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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : YELLOW CAB - TO-15

RTP ENVIRONMENTAL

239 US Highway 22 East

Green Brook, NJ - 08812

Phone No: 732-968-9600

ORDER ID : Q2671

ATTENTION : David Gabel

Laboratory Certification ID # 20012

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

Cover Page

Order ID : Q2671

Project ID : Yellow Cab - TO-15

Client : RTP Environmental

Lab Sample Number	Client Sample Number
Q2671-01	118-AAI
Q2671-02	118-IA-1
Q2671-03	118-IA-2
Q2671-04	118-SG2
Q2671-05	118-SG1

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 Sohil Jodhani, QA/QC Director at 8:22 am, Aug 01, 2025

Date: 7/31/2025

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. : Q2671

Client Contact Information	Bottle Order ID : **B2507027**	Courier :	1 of 5 COCs
Client ID : **RTPE01** Project ID : **Yellow Cab - TO-15**		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		
113-AA1	7/24 to 7/25/25	9:56	9:56	-30	-7	72	72	-30	-5.9	10567	10599	6 L	4.16	VL042600.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: Sean	Date/Time: 7/21/25	Canisters Received by:	Date/Time: 7/21/25		
Samples Relinquished by:	Date/Time: 7/22/25	Received by:	Date/Time: 7/22/25 1220	B2507027 - 5	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q2671

Client Contact Information	Bottle Order ID : **B2507027**	Courier :	2 of 5 COCs
Client ID : **RTPE01** Project ID : **Yellow Cab - TO-15**		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: 118 West 22nd back house.	Individual 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		
118-IA-1	7-21 to 7-22	9:50	9:50	-30	-7	72	72	-30	-7.5	10476	10154	6 L	4.16	VL042600.D	X				X			

	Temperature (Fahrenheit)			
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

	Pressure (Inches of Hg)			
	Ambient	Maximum	Minimum	
Start				
Stop				

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

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:	Date/Time: 7/21/25	Canisters Received by:	Date/Time: 7/21/25		
Samples Relinquished by:	Date/Time: 7/21/25	Received by:	Date/Time: 7/22/25 1220		B2507027 - 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. : Q 2671

Client Contact Information	Bottle Order ID : **B2507027**	Courier :	3 of 5 COCs
Client ID : **RTPE01** Project ID : **Yellow Cab - TO-15**		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: 118 W. 22nd Street Front.	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
118	7-21-25 to 7-22-25	952	952	-30	-7	72	72	-30	6.3	10183	10294	6 L	4.16	VL042600.D	X	X	

	Temperature (Fahrenheit)			
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

	Pressure (Inches of Hg)			
	Ambient	Maximum	Minimum	
Start				
Stop				

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

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: Sean	Date/Time: 7/21/25	Canisters Received by: CW	Date/Time: 7/21/25		
Samples Relinquished by: CW	Date/Time: 7/21/25	Received by: CR	Date/Time: 7/22/25 1220	**B2507027 - 4**	
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. : Q2671

Client Contact Information	Bottle Order ID : **B2507027**	Courier :	4 of 5 COCs
Client ID : **RTPE01** Project ID : **Yellow Cab - TO-15**		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			
118-562	7/22/25	10:30	11:30	-30	-7	72	72	-30	-7.5	10188	10197	6 L	100	VL042600.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: Sean	Date/Time: 07/21/15	Canisters Received by: CW	Date/Time: 7/21/25		
Samples Relinquished by: CW	Date/Time: 7/22/25	Received by: CR	Date/Time: 7/24/25 1220	**B2507027 - 2**	
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. : Q2671

Client Contact Information	Bottle Order ID : **B2507027**	Courier :	5 of 5 COCs
Client ID : **RTPE01** Project ID : **Yellow Cab - TO-15**		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 : Full data deliverables	
Country :	Rush (Specify): _____ **Days**	EDD Type : TO2/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		
116561	7/22/25	10:07	11:07	-30	-10	72	72	**-30**	-8.6	**10202**	**10267**	**6 L**	**100**	**VL042600.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: 07/21/25	Canisters Received by: CW	Date/Time: 7/21/25		
Samples Relinquished by: CW	Date/Time: 7/22/25	Received by: CA	Date/Time: 7/22/25 1226	**B2507027 - 3**	
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.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
Name: [illegible]
Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Field Sample Seal No.: Q2671
Date Broken: 7/22/2025
Military Time Seal Broken: 12:26:00
Case No.: Yellow Cab - TO-15
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q2671-01	118-AAI		
Q2671-02	118-IA-1		
Q2671-03	118-IA-2		
Q2671-04	118-SG2		
Q2671-05	118-SG1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
7-22-25	1345	Signature [signature]	Signature [signature]	
		Printed Name Jahmir Davis	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*

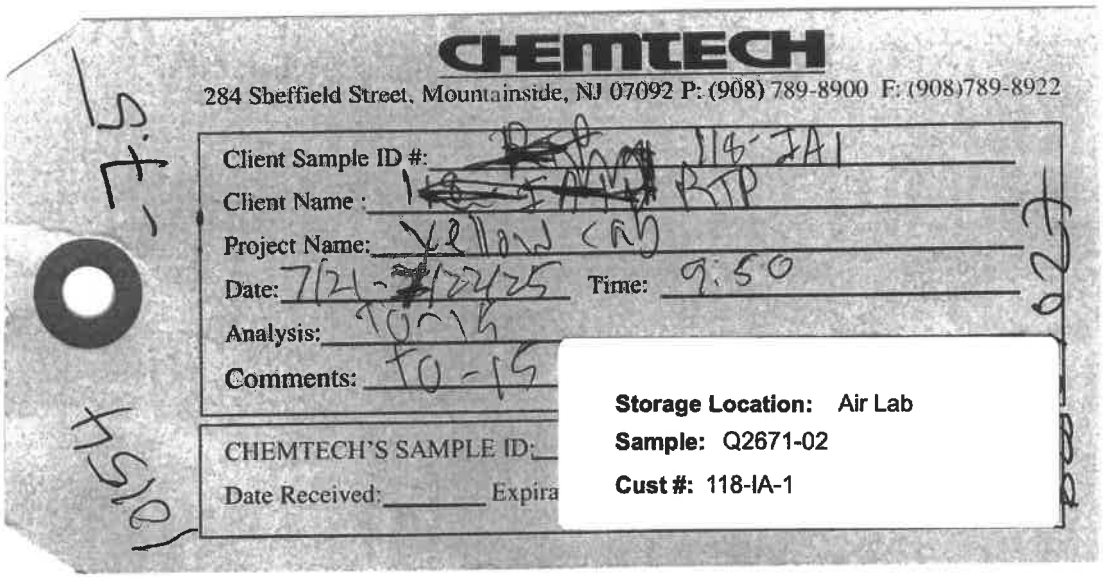
CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

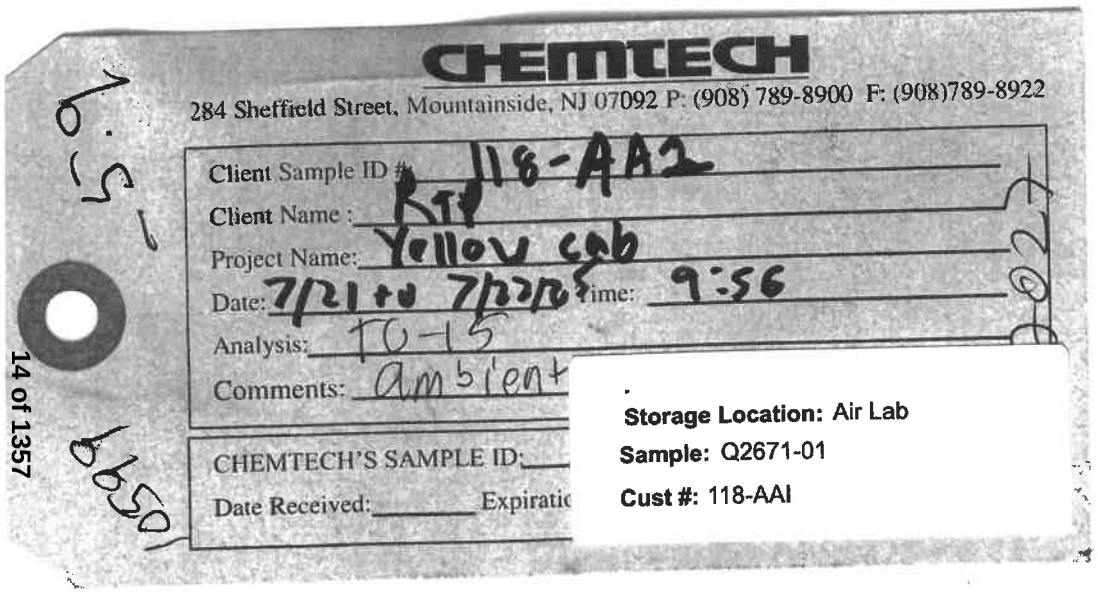
AIR SAMPLE PRESSURE & DILUTION LOGBOOK

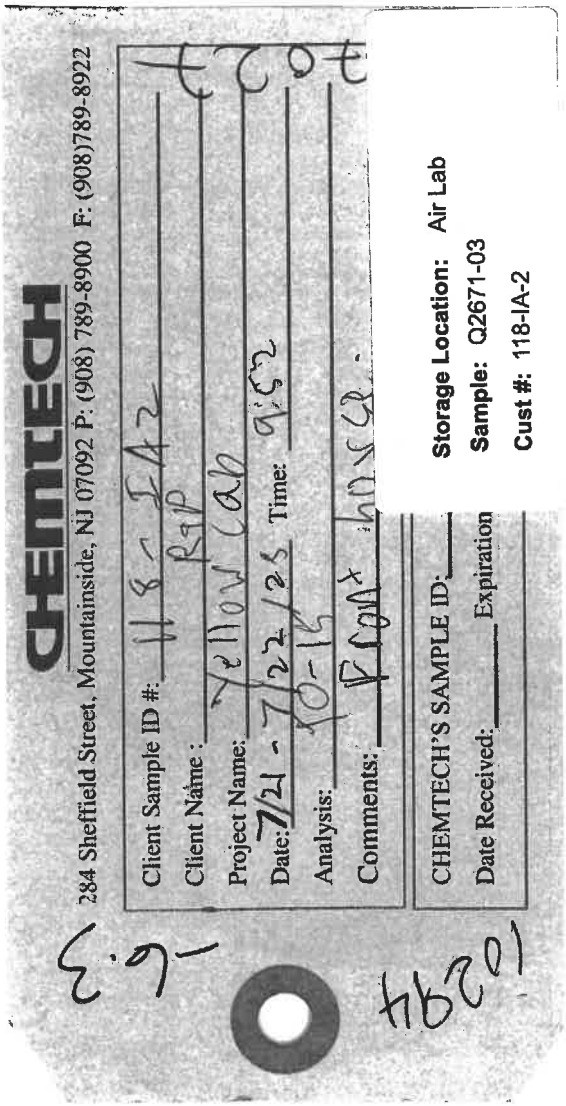
Analyst Signature: _____ Supervisor Signature: _____

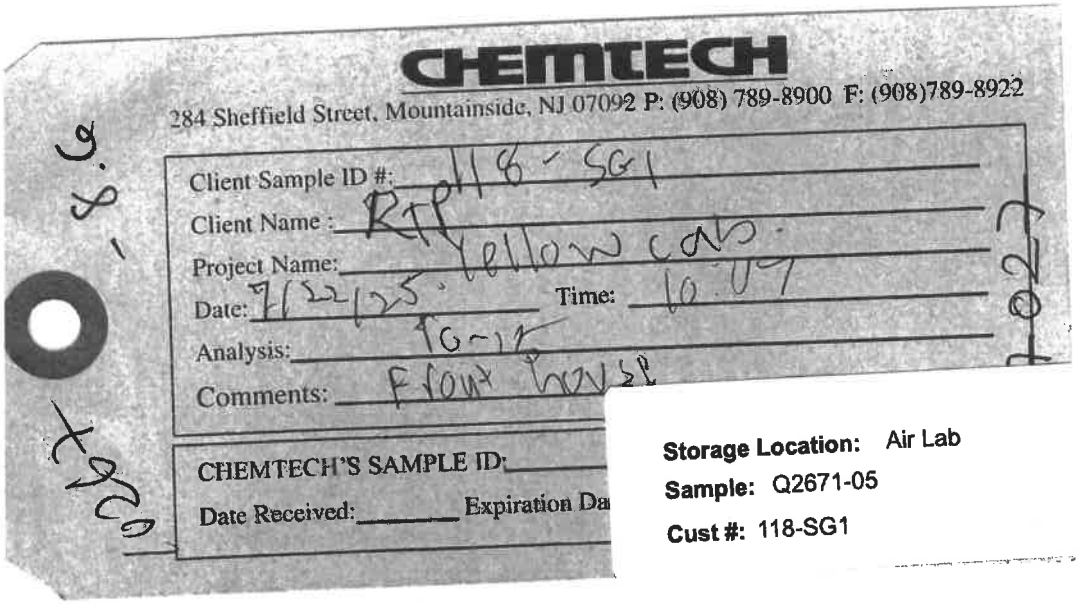
METHOD: TO-15 Pressure Gauge ID: A 755971

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
6/18/25	Q2359-01	10280	10.6	-8.4				SY
6/19/25	Q2368-01	10606	12.4	-4.7				
	Q2368-02	10321	11.8	-5.9				
	~~Q2369-01~~ Q2369-01	10153	12.4	-4.7				
	Q2369-02	10590	12.0	-5.5				
6/20/25	Q2390-01	10598	12.8	-3.9				SY
06/23/25	Q2390-01	10724	1.0		10		10X	SY
06/26/25	Q2432-01	10311	11.4	-6.7				SY
06/27/25	Q2432-01	10039	1.0		10.0		10X	SY
07/08/25	Q2518-01	10281	11.2	-7.1				SY
"	Q2518-02	10602	11.2	-7.1				SY
7/16/25	Q2617-01	10331	12.2	-5.1				SY
	Q2617-02	10283	12.8	-3.9				
	Q2617-03	10608	11.4	-6.7				
7/17/25	Q2632-01	10595	13.6	-2.2				SY
"	Q2632-02	10332	11.6	-6.3				SY
7/22/25	Q2671-01	~~10559~~ 10597	11.8	-5.9				SY
	Q2671-02	10154	11.0	-7.5				
	Q2671-03	10294	11.6	-6.3				
	Q2671-04	10197	11.0	-7.5				
	Q2671-05	10267	10.4	-8.6				


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 118-IA1
Client Name : RTP
Project Name: Yellow cab
Date: 7/21-7/22/25 Time: 9:50
Analysis: TO-15
Comments: TO-15
CHEMTECH'S SAMPLE ID:
Date Received: Expira
Storage Location: Air Lab
Sample: Q2671-02
Cust #: 118-IA-1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 118-AA2
Client Name : RTP
Project Name: Yellow cab
Date: 7/21 to 7/22/25 Time: 9:56
Analysis: TO-15
Comments: ambient
CHEMTECH'S SAMPLE ID:
Date Received: Expiratic
Storage Location: Air Lab
Sample: Q2671-01
Cust #: 118-AAI


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 118-IA2
Client Name : RTP
Project Name: Yellow cab
Date: 7/21 - 7/22/25 Time: 9:52
Analysis: TO-15
Comments: Ambient
CHEMTECH'S SAMPLE ID:
Date Received: Expiration
Storage Location: Air Lab
Sample: Q2671-03
Cust #: 118-IA-2



CHEMTECH

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

Client Sample ID #: 118-SG1

Client Name: RTP

Project Name: Yellow can

Date: 7/22/25 Time: 10:07

Analysis: TO-15

Comments: Flow 5.2

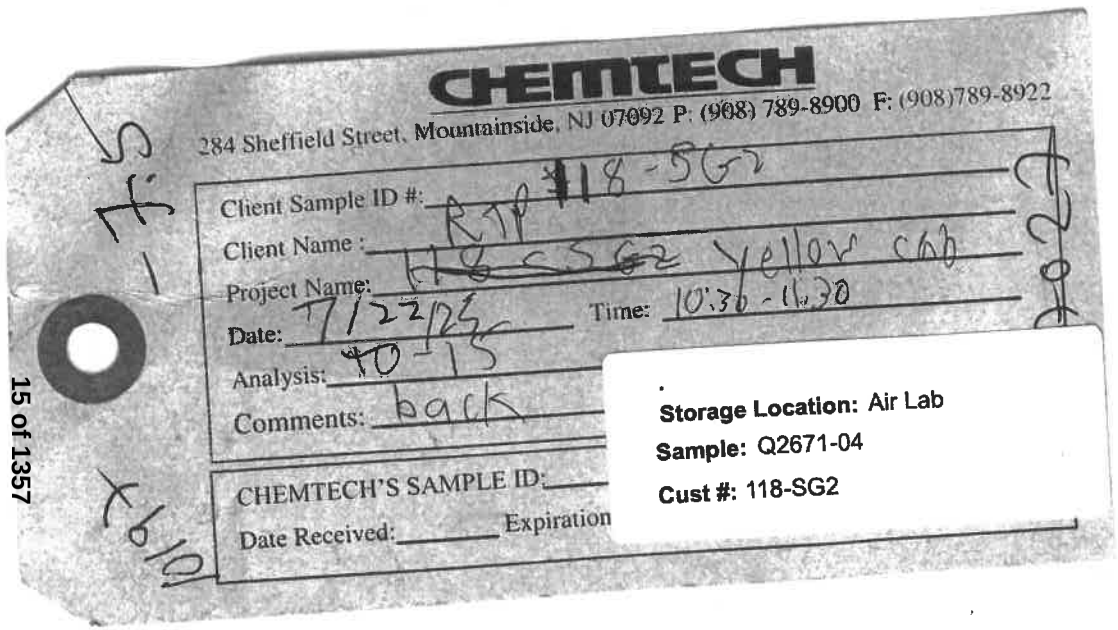
CHEMTECH'S SAMPLE ID:

Date Received: Expiration Da

Storage Location: Air Lab

Sample: Q2671-05

Cust #: 118-SG1



CHEMTECH

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

Client Sample ID #: RTP 118-SG2

Client Name:

Project Name: 118-SG2 Yellow can

Date: 7/22/25 Time: 10:36 - 11:30

Analysis: TO-15

Comments: back

CHEMTECH'S SAMPLE ID:

Date Received: Expiration

Storage Location: Air Lab

Sample: Q2671-04

Cust #: 118-SG2

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

CASE NARRATIVE

RTP Environmental
Project Name: Yellow Cab - TO-15
Project # N/A
Order ID # Q2671
Test Name: TO-15

A. Number of Samples and Date of Receipt:
5 Air samples were received on 07/22/2025.

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 RPD for {Q2671-01DUP} with File ID: VL042765.D met criteria except for Carbon Tetrachloride[28.6%] due to difference in results of original and DUP.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 30% in the Initial Calibration method (VL072325AIR.M) for Naphthalene and 1,2,4-Trichlorobenzene these compounds are passing on Linear Regression.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Due to potential high concentration of target analytes, Samples 118-SG1 was initially diluted.

Samples 118-IA-1, 118-IA-2, 118-SG2 and 118-SG1 were diluted due to high concentrations.

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

E. Additional Comments:
The Sample #118-AAI, 118-IA-1, 118-IA-2DL, 118-SG2, 118-SG1 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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.
The Manual Integrations are performed for the followings.

Manual Integration Report			
Sequence	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042747.D	m/p-Xylene	SAM	7/24/2025 9:02:56 AM	MMDadoda	7/24/2025 2:20:57 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	1,4-Dioxane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	cis-1,3-Dichloropropene	SAM	7/24/2025	MMDadoda	7/24/2025	Peak Integrat

				9:03:01 AM		2:20:59 PM	ed by Software incorrectly
VSTDICC002	VL042748.D	Cyclohexane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	Heptane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	m/p-Xylene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042748.D	trans-1,2-Dichloroethene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	1,4-Dioxane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC0	VL04274	4-Methyl-2-	SAM	7/24/20	MMDado	7/24/20	Peak

01	9.D	Pentanone		25 9:03:21 AM	da	25 2:21:02 PM	Integrated by Software incorrectly
VSTDICC001	VL042749.D	Bromodichloromethane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Ethanol	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Heptane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	m/p-Xylene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042749.D	Methyl Methacrylate	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly

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VSTDICC001	VL042749.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	1,4-Dioxane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	2-Hexanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Benzyl Chloride	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL042750.D	Bromodichloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Dibromochloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Ethanol	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Heptane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	m/p-Xylene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Methyl Methacrylate	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL042750.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Tetrahydrofuran	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042750.D	Trichloroethene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	1,1,1-Trichloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042752.D	Tetrachloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly

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VSTDICC0.03	VL042752.D	Trichloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL042753.D	m/p-Xylene	SAM	7/24/2025 9:03:41 AM	MMDadoda	7/24/2025 2:21:10 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	Tetrachloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042754.D	Trichloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software incorrectly

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VSTDICV010	VL042755.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042755.D	m/p-Xylene	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software incorrectly

Sequence	VL072425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042757.D	m/p-Xylene	SAM	7/25/2025 7:40:22 AM	MMDadoda	7/25/2025 4:36:25 PM	Peak Integrated by Software incorrectly
VL0724ABS01	VL042759.D	m/p-Xylene	SAM	7/25/2025 8:06:02 AM	MMDadoda	7/25/2025 4:36:24 PM	Peak Integrated by Software incorrectly
Q2671-04DL	VL042760.D	1,1,1-Trichloroethane	SAM	7/25/2025 8:07:19 AM	MMDadoda	7/25/2025 4:36:25 PM	Peak Integrated by Software incorrectly
Q2671-04DL	VL042760.D	Carbon Tetrachloride	SAM	7/25/2025 8:07:19 AM	MMDadoda	7/25/2025 4:36:25 PM	Peak Integrated by Software incorrectly

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Q2671-05DL	VL042761.D	Trichloroethene	SAM	7/25/2025 8:06:07 AM	MMDadoda	7/25/2025 4:36:28 PM	Peak Integrated by Software incorrectly
Q2671-04	VL042762.D	4-Methyl-2-Pentanone	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly
Q2671-04	VL042762.D	Bromodichloromethane	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly
Q2671-04	VL042762.D	Heptane	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly
Q2671-04	VL042762.D	Isopropyl Alcohol	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly
Q2671-04	VL042762.D	m/p-Xylene	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly
Q2671-04	VL042762.D	o-Xylene	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly

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Q2671-04	VL042762.D	Toluene	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software incorrectly
Q2671-05	VL042763.D	1,1,1-Trichloroethane	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly
Q2671-05	VL042763.D	Carbon Tetrachloride	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly
Q2671-05	VL042763.D	Heptane	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly
Q2671-05	VL042763.D	m/p-Xylene	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly
Q2671-05	VL042763.D	Tetrahydrofuran	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly
Q2671-05	VL042763.D	Toluene	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly

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Q2671-05	VL042763.D	Trichloroethene	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	Benzene	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	Carbon Tetrachloride	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	Chlorodifluoromethane	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	Heptane	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	Isopropyl Alcohol	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	m/p-Xylene	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly

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Q2671-01	VL042764.D	Toluene	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01	VL042764.D	Trichlorofluoromethane	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Benzene	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Carbon Tetrachloride	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Chlorodifluoromethane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Dichlorodifluoromethane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Heptane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly

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Q2671-01DUP	VL042765.D	Isopropyl Alcohol	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	m/p-Xylene	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Toluene	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-01DUP	VL042765.D	Trichlorofluoromethane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software incorrectly
Q2671-02	VL042767.D	Benzene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software incorrectly
Q2671-02	VL042767.D	Carbon Tetrachloride	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software incorrectly
Q2671-02	VL042767.D	Heptane	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software incorrectly

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Q2671-02	VL042767.D	m/p-Xylene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software incorrectly
Q2671-02	VL042767.D	Propene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software incorrectly
Q2671-02	VL042767.D	Tetrachloroethene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software incorrectly
Q2671-02DL	VL042768.D	Propene	SAM	7/25/2025 8:06:27 AM	MMDadoda	7/25/2025 4:36:42 PM	Peak Integrated by Software incorrectly
Q2671-03	VL042769.D	Benzene	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software incorrectly
Q2671-03	VL042769.D	Carbon Tetrachloride	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software incorrectly
Q2671-03	VL042769.D	Heptane	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software incorrectly

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Q2671-03	VL042769.D	m/p-Xylene	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software incorrectly
Q2671-03	VL042769.D	Methylene Chloride	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software incorrectly
Q2671-03	VL042769.D	Propene	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software incorrectly
Q2671-03DL	VL042770.D	1,1,1-Trichloroethane	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software incorrectly
Q2671-03DL	VL042770.D	1,2-Dichloroethane	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software incorrectly
Q2671-03DL	VL042770.D	Propene	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software incorrectly
Q2671-03DL	VL042770.D	Tetrachloroethene	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software incorrectly

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Q2671-03DL	VL042770.D	Toluene	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL042771.D	m/p-Xylene	SAM	7/25/2025 8:06:17 AM	MMDadoda	7/25/2025 4:36:51 PM	Peak Integrated by Software incorrectly

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 Sohil Jodhani, QA/QC Director at 8:22 am, Aug 01, 2025

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2671

	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:** 07/31/2025

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LAB CHRONICLE

OrderID:	Q2671	**OrderDate:**	7/22/2025 1:24:00 PM
Client:	RTP Environmental	**Project:**	Yellow Cab - TO-15
Contact:	David Gabel	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2671-01	**118-AAI**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-02	**118-IA-1**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-02DL	**118-IA-1DL**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-03	**118-IA-2**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-03DL	**118-IA-2DL**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-04	**118-SG2**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-04DL	**118-SG2DL**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-05	**118-SG1**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	
Q2671-05DL	**118-SG1DL**	**Air**			**07/22/25**			**07/22/25**
			TO-15	TO-15			07/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2671

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**118-AAI**							
Q2671-01	118-AAI	Air	Dichlorodifluoromethane	2.23	J	0.54	2.47	ug/m3
Q2671-01	118-AAI	Air	Chloromethane	0.95	J	0.21	1.03	ug/m3
Q2671-01	118-AAI	Air	Trichlorofluoromethane	1.12	J	0.96	2.81	ug/m3
Q2671-01	118-AAI	Air	Acetone	11.6		0.43	1.19	ug/m3
Q2671-01	118-AAI	Air	2-Butanone	1.06	J	0.18	1.47	ug/m3
Q2671-01	118-AAI	Air	Carbon Tetrachloride	0.38		0.19	0.19	ug/m3
Q2671-01	118-AAI	Air	Benzene	0.38	J	0.26	1.60	ug/m3
Q2671-01	118-AAI	Air	Toluene	0.83	J	0.60	1.88	ug/m3
Q2671-01	118-AAI	Air	Hexane	26.8		0.56	1.76	ug/m3
			Total Voc :	45.4				
			Total Concentration:	45.4				
Client ID:	**118-IA-1**							
Q2671-02	118-IA-1	Air	Dichlorodifluoromethane	1.98	J	0.54	2.47	ug/m3
Q2671-02	118-IA-1	Air	Chloromethane	1.16		0.21	1.03	ug/m3
Q2671-02	118-IA-1	Air	Trichlorofluoromethane	1.12	J	0.96	2.81	ug/m3
Q2671-02	118-IA-1	Air	Heptane	1.35	J	0.70	2.05	ug/m3
Q2671-02	118-IA-1	Air	Acetone	55.4	E	0.43	1.19	ug/m3
Q2671-02	118-IA-1	Air	2-Butanone	1.98		0.18	1.47	ug/m3
Q2671-02	118-IA-1	Air	Carbon Tetrachloride	0.57		0.19	0.19	ug/m3
Q2671-02	118-IA-1	Air	Chloroform	2.30	J	0.49	2.44	ug/m3
Q2671-02	118-IA-1	Air	1,1,1-Trichloroethane	1.09		0.11	0.16	ug/m3
Q2671-02	118-IA-1	Air	Benzene	0.70	J	0.26	1.60	ug/m3
Q2671-02	118-IA-1	Air	1,2-Dichloroethane	1.66	J	0.36	2.02	ug/m3
Q2671-02	118-IA-1	Air	Toluene	3.05		0.60	1.88	ug/m3
Q2671-02	118-IA-1	Air	Tetrachloroethene	1.15		0.14	0.20	ug/m3
Q2671-02	118-IA-1	Air	Styrene	0.77	J	0.68	2.13	ug/m3
Q2671-02	118-IA-1	Air	1,2,4-Trimethylbenzene	0.88	J	0.88	2.46	ug/m3
Q2671-02	118-IA-1	Air	Naphthalene	2.52		0.050	0.52	ug/m3
Q2671-02	118-IA-1	Air	Hexane	30.3		0.56	1.76	ug/m3
			Total Voc :	108				
			Total Concentration:	108				
Client ID:	**118-IA-1DL**							
Q2671-02DL	118-IA-1DL	Air	Acetone	57.0	D	4.28	11.9	ug/m3
Q2671-02DL	118-IA-1DL	Air	Hexane	24.0	D	5.64	17.6	ug/m3
			Total Voc :	81.0				
			Total Concentration:	81.0				
Client ID:	**118-IA-2**							

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Hit Summary Sheet
SW-846

SDG No.: Q2671

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2671-03	118-IA-2	Air	Dichlorodifluoromethane	2.03	J	0.54	2.47	ug/m3
Q2671-03	118-IA-2	Air	Chloromethane	1.61		0.21	1.03	ug/m3
Q2671-03	118-IA-2	Air	Trichlorofluoromethane	1.29	J	0.96	2.81	ug/m3
Q2671-03	118-IA-2	Air	Heptane	3.03		0.70	2.05	ug/m3
Q2671-03	118-IA-2	Air	Acetone	107	E	0.43	1.19	ug/m3
Q2671-03	118-IA-2	Air	Methylene Chloride	2.08		0.80	1.74	ug/m3
Q2671-03	118-IA-2	Air	2-Butanone	3.24		0.18	1.47	ug/m3
Q2671-03	118-IA-2	Air	Carbon Tetrachloride	0.69		0.19	0.19	ug/m3
Q2671-03	118-IA-2	Air	Chloroform	3.22		0.49	2.44	ug/m3
Q2671-03	118-IA-2	Air	1,1,1-Trichloroethane	1.42		0.11	0.16	ug/m3
Q2671-03	118-IA-2	Air	Benzene	0.83	J	0.26	1.60	ug/m3
Q2671-03	118-IA-2	Air	1,2-Dichloroethane	4.45		0.36	2.02	ug/m3
Q2671-03	118-IA-2	Air	Toluene	6.03		0.60	1.88	ug/m3
Q2671-03	118-IA-2	Air	Tetrachloroethene	3.05		0.14	0.20	ug/m3
Q2671-03	118-IA-2	Air	Ethyl Benzene	0.91	J	0.83	2.17	ug/m3
Q2671-03	118-IA-2	Air	m/p-Xylene	2.22	J	1.78	4.34	ug/m3
Q2671-03	118-IA-2	Air	o-Xylene	1.00	J	0.91	2.17	ug/m3
Q2671-03	118-IA-2	Air	Styrene	2.47		0.68	2.13	ug/m3
Q2671-03	118-IA-2	Air	1,2,4-Trimethylbenzene	1.13	J	0.88	2.46	ug/m3
Q2671-03	118-IA-2	Air	Naphthalene	2.78		0.050	0.52	ug/m3
Q2671-03	118-IA-2	Air	Hexane	22.6		0.56	1.76	ug/m3
			Total Voc :	173				
			Total Concentration:	173				
Client ID:	**118-IA-2DL**							
Q2671-03DL	118-IA-2DL	Air	Acetone	106	D	4.28	11.9	ug/m3
Q2671-03DL	118-IA-2DL	Air	2-Butanone	3.83	JD	1.65	14.8	ug/m3
Q2671-03DL	118-IA-2DL	Air	1,1,1-Trichloroethane	1.91	D	0.87	1.64	ug/m3
Q2671-03DL	118-IA-2DL	Air	1,2-Dichloroethane	4.86	JD	3.76	20.2	ug/m3
Q2671-03DL	118-IA-2DL	Air	Tetrachloroethene	4.00	D	1.02	2.03	ug/m3
Q2671-03DL	118-IA-2DL	Air	Hexane	19.4	D	5.64	17.6	ug/m3
			Total Voc :	140				
			Total Concentration:	140				
Client ID:	**118-SG2**							
Q2671-04	118-SG2	Air	Dichlorodifluoromethane	2.23	J	0.54	2.47	ug/m3
Q2671-04	118-SG2	Air	Trichlorofluoromethane	1.69	J	0.96	2.81	ug/m3
Q2671-04	118-SG2	Air	tert-Butyl alcohol	1.79		0.49	1.52	ug/m3
Q2671-04	118-SG2	Air	Heptane	2.58		0.70	2.05	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q2671

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2671-04	118-SG2	Air	Acetone	51.8	E	0.43	1.19	ug/m3
Q2671-04	118-SG2	Air	Carbon Disulfide	7.16		0.25	1.56	ug/m3
Q2671-04	118-SG2	Air	2-Butanone	45.7	E	0.18	1.47	ug/m3
Q2671-04	118-SG2	Air	Carbon Tetrachloride	2.08		0.19	0.19	ug/m3
Q2671-04	118-SG2	Air	cis-1,2-Dichloroethene	0.83	J	0.40	1.98	ug/m3
Q2671-04	118-SG2	Air	Chloroform	98.7	E	0.49	2.44	ug/m3
Q2671-04	118-SG2	Air	1,1,1-Trichloroethane	2.18		0.11	0.16	ug/m3
Q2671-04	118-SG2	Air	Benzene	0.86	J	0.26	1.60	ug/m3
Q2671-04	118-SG2	Air	Trichloroethene	118	E	0.11	0.16	ug/m3
Q2671-04	118-SG2	Air	Bromodichloromethane	1.47	J	0.40	3.35	ug/m3
Q2671-04	118-SG2	Air	4-Methyl-2-Pentanone	0.94	J	0.41	2.05	ug/m3
Q2671-04	118-SG2	Air	Toluene	1.24	J	0.60	1.88	ug/m3
Q2671-04	118-SG2	Air	Tetrachloroethene	136	E	0.14	0.20	ug/m3
Q2671-04	118-SG2	Air	Naphthalene	2.57		0.050	0.52	ug/m3
Q2671-04	118-SG2	Air	Hexane	8.46		0.56	1.76	ug/m3
			Total Voc :	486				
			Total Concentration:	486				
Client ID:	**118-SG2DL**							
Q2671-04DL	118-SG2DL	Air	Acetone	50.8	D	4.28	11.9	ug/m3
Q2671-04DL	118-SG2DL	Air	2-Butanone	43.4	D	1.65	14.8	ug/m3
Q2671-04DL	118-SG2DL	Air	Carbon Tetrachloride	2.14	D	1.57	1.89	ug/m3
Q2671-04DL	118-SG2DL	Air	Chloroform	101	D	4.69	24.4	ug/m3
Q2671-04DL	118-SG2DL	Air	1,1,1-Trichloroethane	2.35	D	0.87	1.64	ug/m3
Q2671-04DL	118-SG2DL	Air	Trichloroethene	110	D	1.29	1.61	ug/m3
Q2671-04DL	118-SG2DL	Air	Tetrachloroethene	128	D	1.02	2.03	ug/m3
Q2671-04DL	118-SG2DL	Air	Hexane	8.11	JD	5.64	17.6	ug/m3
			Total Voc :	446				
			Total Concentration:	446				
Client ID:	**118-SG1**							
Q2671-05	118-SG1	Air	Dichlorodifluoromethane	2.32	J	1.09	4.94	ug/m3
Q2671-05	118-SG1	Air	Chloromethane	4.96		0.41	2.07	ug/m3
Q2671-05	118-SG1	Air	Tetrahydrofuran	9.73		0.47	2.95	ug/m3
Q2671-05	118-SG1	Air	tert-Butyl alcohol	1.52	J	0.97	3.03	ug/m3
Q2671-05	118-SG1	Air	Acetone	106	E	0.86	2.38	ug/m3
Q2671-05	118-SG1	Air	2-Butanone	46.3		0.32	2.95	ug/m3
Q2671-05	118-SG1	Air	Carbon Tetrachloride	0.63		0.31	0.38	ug/m3
Q2671-05	118-SG1	Air	1,1,1-Trichloroethane	0.55		0.16	0.33	ug/m3

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Hit Summary Sheet
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SDG No.: Q2671

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2671-05	118-SG1	Air	Benzene	0.93	J	0.51	3.19	ug/m3
Q2671-05	118-SG1	Air	Trichloroethene	1.88		0.27	0.32	ug/m3
Q2671-05	118-SG1	Air	Toluene	1.32	J	1.21	3.77	ug/m3
Q2671-05	118-SG1	Air	Tetrachloroethene	4.27		0.20	0.41	ug/m3
Q2671-05	118-SG1	Air	Naphthalene	4.77		0.16	1.05	ug/m3
Q2671-05	118-SG1	Air	Hexane	2.29	J	1.13	3.52	ug/m3
			Total Voc :	187				
			Total Concentration:	187				
Client ID:	**118-SG1DL**							
Q2671-05DL	118-SG1DL	Air	Chloromethane	5.37	JD	2.02	10.3	ug/m3
Q2671-05DL	118-SG1DL	Air	Acetone	112	D	4.28	11.9	ug/m3
Q2671-05DL	118-SG1DL	Air	2-Butanone	42.2	D	1.65	14.8	ug/m3
Q2671-05DL	118-SG1DL	Air	Trichloroethene	2.42	D	1.29	1.61	ug/m3
Q2671-05DL	118-SG1DL	Air	Tetrachloroethene	5.76	D	1.02	2.03	ug/m3
			Total Voc :	168				
			Total Concentration:	168				

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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-AAI **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-01 **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	0.45	J	2.23		
Chloromethane	74-87-3	50.49	0.46	J	0.95		
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	0.2	J	1.12		
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	4.9		11.6		
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	0.23	U	0.8		
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	0.36	J	1.06		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
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	0.12	J	0.38		
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	0.22	J	0.83		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-AAI **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-01 **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	7.6		26.8		
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 : Yellow Cab - TO-15

Field Id Number : 118-IA-1

Laboratory Id Number : Q2671-02

Sampling Date : 07/22/25

Analysis Date : 07/24/25

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	0.4	J	1.98		
Chloromethane	74-87-3	50.49	0.56		1.16		
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	0.2	J	1.12		
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	0.33	J	1.35		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	23.3	E	55.4		
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	0.23	U	0.8		
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	0.67		1.98		
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	0.47	J	2.3		
1,1,1-Trichloroethane	71-55-6	133.4	0.2		1.09		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	U	0.65		
Benzene	71-43-2	78.11	0.22	J	0.7		
1,2-Dichloroethane	107-06-2	98.96	0.41	J	1.66		
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	0.81		3.05		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-1 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-02 **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	0.17		1.15		
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	0.18	J	0.77		
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	J	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	0.48		2.52		
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	8.6		30.3		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-1DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-02DL **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	1.1	UD	5.44		
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	24	D	57.0		
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	2.3	UD	7.99		
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	0.56	UD	1.65		
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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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-1DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-02DL **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		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
4-Ethyltoluene	622-96-8	120.2	2.1	UD	10.3		
Hexane	110-54-3	86.17	6.8	D	24.0		
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		

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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-2 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-03 **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	0.41	J	2.03		
Chloromethane	74-87-3	50.49	0.78		1.61		
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	0.23	J	1.29		
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	0.74		3.03		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	45	E	106		
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	0.6		2.08		
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	1.1		3.24		
Carbon Tetrachloride	56-23-5	153.8	0.11		0.69		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.66		3.22		
1,1,1-Trichloroethane	71-55-6	133.4	0.26		1.42		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	U	0.65		
Benzene	71-43-2	78.11	0.26	J	0.83		
1,2-Dichloroethane	107-06-2	98.96	1.1		4.45		
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	1.6		6.03		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-2 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-03 **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	0.45		3.05		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.21	J	0.91		
m/p-Xylene	179601-23-1	106.2	0.51	J	2.22		
o-Xylene	95-47-6	106.2	0.23	J	1		
Styrene	100-42-5	104.1	0.58		2.47		
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	0.23	J	1.13		
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	0.53		2.78		
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	6.4		22.6		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-2DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-03DL **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	UD	5.44		
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	44.7	D	106		
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	2.3	UD	7.99		
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	1.3	JD	3.83		
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	0.35	D	1.91		
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	1.2	JD	4.86		
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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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-IA-2DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-03DL **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	0.59	D	4		
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		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
4-Ethyltoluene	622-96-8	120.2	2.1	UD	10.3		
Hexane	110-54-3	86.17	5.5	D	19.4		
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		

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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG2 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-04 **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	0.45	J	2.23		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
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	0.3	J	1.69		
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	0.59		1.79		
Heptane	142-82-5	100.2	0.63		2.58		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	21.8	E	51.8		
Carbon Disulfide	75-15-0	76.14	2.3		7.16		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	0.23	U	0.8		
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	15.5	E	45.7		
Carbon Tetrachloride	56-23-5	153.8	0.33		2.08		
cis-1,2-Dichloroethene	156-59-2	96.94	0.21	J	0.83		
Chloroform	67-66-3	119.4	20.2	E	98.6		
1,1,1-Trichloroethane	71-55-6	133.4	0.4		2.18		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	U	0.65		
Benzene	71-43-2	78.11	0.27	J	0.86		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	22	E	118		
1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	0.22	J	1.47		
4-Methyl-2-Pentanone	108-10-1	100.2	0.23	J	0.94		
Toluene	108-88-3	92.14	0.33	J	1.24		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG2 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-04 **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	20	E	135		
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	0.49		2.57		
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	2.4		8.46		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG2DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-04DL **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	UD	5.44		
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	21.4	D	50.8		
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	2.3	UD	7.99		
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	14.7	D	43.4		
Carbon Tetrachloride	56-23-5	153.8	0.34	D	2.14		
cis-1,2-Dichloroethene	156-59-2	96.94	0.99	UD	3.93		
Chloroform	67-66-3	119.4	20.7	D	101		
1,1,1-Trichloroethane	71-55-6	133.4	0.43	D	2.35		
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	20.5	D	110		
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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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG2DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-04DL **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	18.9	D	128		
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	2.3	JD	8.11		
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		

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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG1 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-05 **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	0.47	J	2.32		
Chloromethane	74-87-3	50.49	2.4		4.96		
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	3.3		9.73		
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	0.5	J	1.52		
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	44.6	E	105		
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	0.46	U	1.6		
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	15.7		46.3		
Carbon Tetrachloride	56-23-5	153.8	0.1		0.63		
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	0.1		0.55		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.29	J	0.93		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.35		1.88		
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	0.35	J	1.32		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG1 **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-05 **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	0.63		4.27		
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	0.91		4.77		
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	0.65	J	2.29		
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 : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG1DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-05DL **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	1.1	UD	5.44		
Chloromethane	74-87-3	50.49	2.6	JD	5.37		
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	47.1	D	111		
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	2.3	UD	7.99		
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	14.3	D	42.2		
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	0.45	D	2.42		
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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Project : Yellow Cab - TO-15 **Sampling Date :** 07/22/25

Field Id Number : 118-SG1DL **Analysis Date :** 07/24/25

Laboratory Id Number : Q2671-05DL **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	0.85	D	5.76		
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		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
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,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q2671

Client: RTP Environmental

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2671-01	118-AAI	1-Bromo-4-Fluorobenzene	10	10.1	101		70 (65)	130 (135)
Q2671-01DUP	118-AAIDUP	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q2671-02	118-IA-1	1-Bromo-4-Fluorobenzene	10	10.0	100		70 (65)	130 (135)
Q2671-02DL	118-IA-1DL	1-Bromo-4-Fluorobenzene	10	9.84	98		70 (65)	130 (135)
Q2671-03	118-IA-2	1-Bromo-4-Fluorobenzene	10	10.2	101		70 (65)	130 (135)
Q2671-03DL	118-IA-2DL	1-Bromo-4-Fluorobenzene	10	9.86	99		70 (65)	130 (135)
Q2671-04	118-SG2	1-Bromo-4-Fluorobenzene	10	10.1	101		70 (65)	130 (135)
Q2671-04DL	118-SG2DL	1-Bromo-4-Fluorobenzene	10	9.89	99		70 (65)	130 (135)
Q2671-05	118-SG1	1-Bromo-4-Fluorobenzene	10	9.94	99		70 (65)	130 (135)
Q2671-05DL	118-SG1DL	1-Bromo-4-Fluorobenzene	10	9.93	99		70 (65)	130 (135)
VL0724ABL01	VL0724ABL01	1-Bromo-4-Fluorobenzene	10	10.1	101		70 (65)	130 (135)
VL0724ABS01	VL0724ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2671**	**Analytical Method:**	**SWTO-15**
Client:	**RTP Environmental**	**Datafile :**	VL042759.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0724ABS01	Dichlorodifluoromethane	10	9.30	ppbv	93			40 (70)	160 (130)	
	Chloromethane	10	9.40	ppbv	94			40 (70)	160 (130)	
	Vinyl Chloride	10	8.10	ppbv	81			70 (70)	130 (130)	
	Bromomethane	10	9.30	ppbv	93			40 (70)	160 (130)	
	Chloroethane	10	8.20	ppbv	82			40 (70)	160 (130)	
	Tetrahydrofuran	10	10.5	ppbv	105			70 (70)	130 (130)	
	Trichlorofluoromethane	10	9.30	ppbv	93			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	9.50	ppbv	95			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	9.10	ppbv	91			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	8.90	ppbv	89			70 (70)	130 (130)	
	Heptane	10	9.90	ppbv	99			70 (70)	130 (130)	
	1,1-Dichloroethene	10	8.80	ppbv	88			70 (70)	130 (130)	
	Acetone	10	7.50	ppbv	75			40 (70)	160 (130)	
	Carbon disulfide	10	9.90	ppbv	99			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	8.70	ppbv	87			70 (70)	130 (130)	
	Methylene Chloride	10	8.10	ppbv	81			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	9.30	ppbv	93			70 (70)	130 (130)	
	1,1-Dichloroethane	10	9.20	ppbv	92			70 (70)	130 (130)	
	Cyclohexane	10	9.70	ppbv	97			70 (70)	130 (130)	
	2-Butanone	10	9.90	ppbv	99			40 (70)	160 (130)	
	Carbon Tetrachloride	10	10.3	ppbv	103			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	9.50	ppbv	95			70 (70)	130 (130)	
	Chloroform	10	9.70	ppbv	97			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	9.30	ppbv	93			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	10.3	ppbv	103			70 (70)	130 (130)	
	Benzene	10	9.80	ppbv	98			70 (70)	130 (130)	
	1,2-Dichloroethane	10	10.2	ppbv	102			70 (70)	130 (130)	
	Trichloroethene	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,2-Dichloropropane	10	9.90	ppbv	99			70 (70)	130 (130)	
	Bromodichloromethane	10	10.5	ppbv	105			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	10.2	ppbv	102			40 (70)	160 (130)	
	Toluene	10	10.3	ppbv	103			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	10.8	ppbv	108			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	10.7	ppbv	107			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	10.0	ppbv	100			70 (70)	130 (130)	
	Dibromochloromethane	10	10.8	ppbv	108			70 (70)	130 (130)	
	1,2-Dibromoethane	10	10.3	ppbv	103			70 (70)	130 (130)	
	Tetrachloroethene	10	8.90	ppbv	89			70 (70)	130 (130)	
	Chlorobenzene	10	9.70	ppbv	97			70 (70)	130 (130)	
	Ethyl Benzene	10	10.5	ppbv	105			70 (70)	130 (130)	
	m/p-Xylene	20	21.2	ppbv	106			70 (70)	130 (130)	
	o-Xylene	10	10.5	ppbv	105			70 (70)	130 (130)	
	Styrene	10	10.9	ppbv	109			70 (70)	130 (130)	
	Bromoform	10	11.0	ppbv	110			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	9.50	ppbv	95			70 (70)	130 (130)	
	2-Chlorotoluene	10	10.4	ppbv	104			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	11.1	ppbv	111			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	11.2	ppbv	112			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2671**	**Analytical Method:**	**SWTO-15**
Client:	**RTP Environmental**	**Datafile :**	VL042759.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0724ABS01	1,3-Dichlorobenzene	10	10.2	ppbv	102			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	10.1	ppbv	101			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	10.2	ppbv	102			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	9.10	ppbv	91			70 (70)	130 (130)	
	Naphthalene	10	10.4	ppbv	104			40 (70)	160 (130)	
	1,3-Butadiene	10	8.80	ppbv	88			70 (70)	130 (130)	
	4-Ethyltoluene	10	11.0	ppbv	110			70 (70)	130 (130)	
	Hexane	10	9.70	ppbv	97			70 (70)	130 (130)	
	Allyl Chloride	10	9.50	ppbv	95			70 (70)	130 (130)	
	1,4-Dioxane	10	9.70	ppbv	97			40 (70)	160 (130)	
	Methyl methacrylate	10	10.8	ppbv	108			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Duplicate Sample Summary

Lab Sample Id :	Q2671-01DUP		Q2671-01	
Client Id :	118-AAIDUP		118-AAI	
DF :	1		1	
Datafile :	VL042765.D		VL042764.D	
Anal Date & Time :	07/24/2025	15:05	07/24/2025	14:28

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	0	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	0.38	0.36	5.4
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	4.5	4.9	8.5
Allyl Chloride	0	0	0
Benzene	0.13	0.12	8
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.08	0.06	28.6 *

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Duplicate Sample Summary

Lab Sample Id :	Q2671-01DUP		Q2671-01	
Client Id :	118-AAIDUP		118-AAI	
DF :	1		1	
Datafile :	VL042765.D		VL042764.D	
Anal Date & Time :	07/24/2025	15:05	07/24/2025	14:28

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.41	0.46	11.5
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.4	0.45	11.8
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	7.7	7.6	1.3
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0	0	0
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	0.22	0.22	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.2	0.2	0
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

Client ID: VL0724ABL01

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q2671

Lab File ID: VL042758.D | Lab Sample ID: VL0724ABL01

Date Analyzed: 07/24/2025 | Time Analyzed: 10:12

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
VL0724ABS01	VL0724ABS01	VL042759.D	07/24/2025
118-SG2DL	Q2671-04DL	VL042760.D	07/24/2025
118-SG1DL	Q2671-05DL	VL042761.D	07/24/2025
118-SG2	Q2671-04	VL042762.D	07/24/2025
118-SG1	Q2671-05	VL042763.D	07/24/2025
118-AAI	Q2671-01	VL042764.D	07/24/2025
118-AAIDUP	Q2671-01DUP	VL042765.D	07/24/2025
118-IA-1	Q2671-02	VL042767.D	07/24/2025
118-IA-1DL	Q2671-02DL	VL042768.D	07/24/2025
118-IA-2	Q2671-03	VL042769.D	07/24/2025
118-IA-2DL	Q2671-03DL	VL042770.D	07/24/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q2671

Lab File ID: VL042746.D | BFB Injection Date: 07/23/2025

Instrument ID: MSVOA_L | BFB Injection Time: 08:00

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	24.9
75	30.0 - 66.0% of mass 95	59.7
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	0.5 (0.8) 1
174	50.0 - 120.0% of mass 95	65.3
175	4.0 - 9.0% of mass 174	5.2 (8) 1
176	93.0 - 101.0% of mass 174	64.6 (99) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 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
VSTDICCC010	VSTDICCC010	VL042747.D	07/23/2025	08:58
VSTDICC002	VSTDICC002	VL042748.D	07/23/2025	09:34
VSTDICC001	VSTDICC001	VL042749.D	07/23/2025	10:08
VSTDICC0.5	VSTDICC0.5	VL042750.D	07/23/2025	10:42
VSTDICC0.03	VSTDICC0.03	VL042752.D	07/23/2025	11:50
VSTDICC015	VSTDICC015	VL042753.D	07/23/2025	12:26
VSTDICC0.1	VSTDICC0.1	VL042754.D	07/23/2025	13:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q2671

Lab File ID: VL042756.D | BFB Injection Date: 07/24/2025

Instrument ID: MSVOA_L | BFB Injection Time: 07:39

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.9
75	30.0 - 66.0% of mass 95	57.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 120.0% of mass 95	64.5
175	4.0 - 9.0% of mass 174	4.8 (7.4) 1
176	93.0 - 101.0% of mass 174	63 (97.6) 1
177	5.0 - 9.0% of mass 176	3.8 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042757.D	07/24/2025	08:23
VL0724ABL01	VL0724ABL01	VL042758.D	07/24/2025	10:12
VL0724ABS01	VL0724ABS01	VL042759.D	07/24/2025	10:57
118-SG2DL	Q2671-04DL	VL042760.D	07/24/2025	11:39
118-SG1DL	Q2671-05DL	VL042761.D	07/24/2025	12:14
118-SG2	Q2671-04	VL042762.D	07/24/2025	13:17
118-SG1	Q2671-05	VL042763.D	07/24/2025	13:52
118-AAI	Q2671-01	VL042764.D	07/24/2025	14:28
118-AAIDUP	Q2671-01DUP	VL042765.D	07/24/2025	15:05
118-IA-1	Q2671-02	VL042767.D	07/24/2025	16:17
118-IA-1DL	Q2671-02DL	VL042768.D	07/24/2025	16:53
118-IA-2	Q2671-03	VL042769.D	07/24/2025	17:29
118-IA-2DL	Q2671-03DL	VL042770.D	07/24/2025	18:05

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG NO.: Q2671

Lab File ID: VL042757.D Date Analyzed: 07/24/2025

Instrument ID: MSVOA_L Time Analyzed: 08:23

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	147950	2.79	427210	3.96	383056	8.88
UPPER LIMIT	207130	3.12	598094	4.29	536278	9.21
LOWER LIMIT	88770	2.46	256326	3.63	229834	8.55
EPA SAMPLE NO.						
118-AAI	153272	2.79	419258	3.96	371493	8.89
118-AAIDUP	152008	2.79	406880	3.96	361575	8.88
118-IA-1	149110	2.79	411819	3.97	377399	8.89
118-IA-1DL	151863	2.79	412621	3.97	353060	8.89
118-IA-2	152144	2.79	410938	3.96	378371	8.88
118-IA-2DL	153526	2.79	414561	3.97	358888	8.89
118-SG2	154296	2.78	419540	3.95	381810	8.88
118-SG2DL	156495	2.78	430230	3.95	375286	8.88
118-SG1	152545	2.79	423795	3.96	382302	8.89
118-SG1DL	149830	2.79	418114	3.96	370590	8.88
VL0724ABL01	147578	2.78	413602	3.95	364492	8.88
VL0724ABS01	147044	2.78	409745	3.95	372748	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:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-AAI	SDG No.:	Q2671
Lab Sample ID:	Q2671-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042764.D	1		07/24/25 14:28	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.45	2.23	J	0.54	2.47	ug/m3
74-87-3	Chloromethane	0.46	0.95	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.20	1.12	J	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.17	0.70	U	0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	4.90	11.6		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.36	1.06	J	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.12	0.38	J	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.22	0.83	J	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-AAI	SDG No.:	Q2671
Lab Sample ID:	Q2671-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042764.D	1		07/24/25 14:28	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	7.60	26.8		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			70 (65) - 130 (135)	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	153000		2.79			
540-36-3	1,4-Difluorobenzene	419000		3.962			
3114-55-4	Chlorobenzene-d5	371000		8.885			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-AAI	SDG No.:	Q2671
Lab Sample ID:	Q2671-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042764.D	1		07/24/25 14:28	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042764.D
Acq On : 24 Jul 2025 14:28
Operator : SY/MD
Sample : Q2671-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	153272	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	419258	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	371493	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	297462	10.111	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	9014	0.445	ppbv		99
3) Chlorodifluoromethane	1.476	51	5947m	0.225	ppbv		
4) Chloromethane	1.534	50	3742	0.456	ppbv		93
9) Propene	1.489	41	3163	0.330	ppbv		98
10) Heptane	4.985	43	3757m	0.145	ppbv		
11) Trichlorofluoromethane	1.881	101	4119m	0.197	ppbv		
13) Ethanol	1.725	45	16700	22.753	ppbv	#	31
15) Acetone	1.839	43	104631	4.944	ppbv		98
19) Isopropyl Alcohol	1.890	45	7539m	0.670	ppbv		
26) Hexane	2.829	57	156916	7.636	ppbv	#	41
34) 2-Butanone	2.567	43	10608	0.357	ppbv		100
35) Carbon Tetrachloride	3.768	117	1957m	0.063	ppbv		
36) Benzene	3.654	78	4639m	0.117	ppbv		
53) Toluene	6.943	91	9496m	0.223	ppbv		
59) m/p-Xylene	9.535	91	6809m	0.145	ppbv		
74) 1,2,4-Trimethylbenzene	11.536	105	8207	0.163	ppbv	#	56

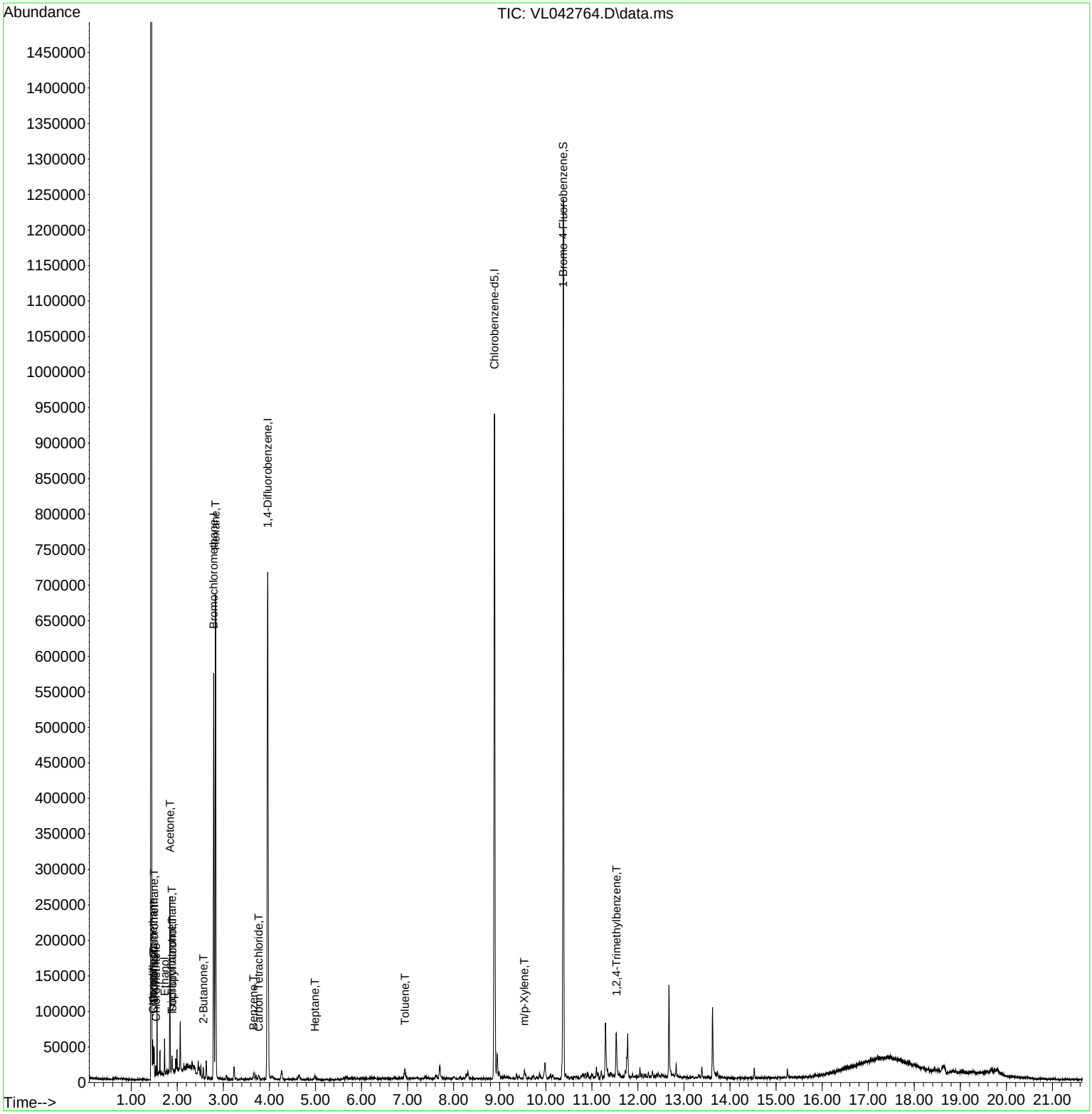
(#) = qualifier out of range (m) = manual integration (+) = signals summed

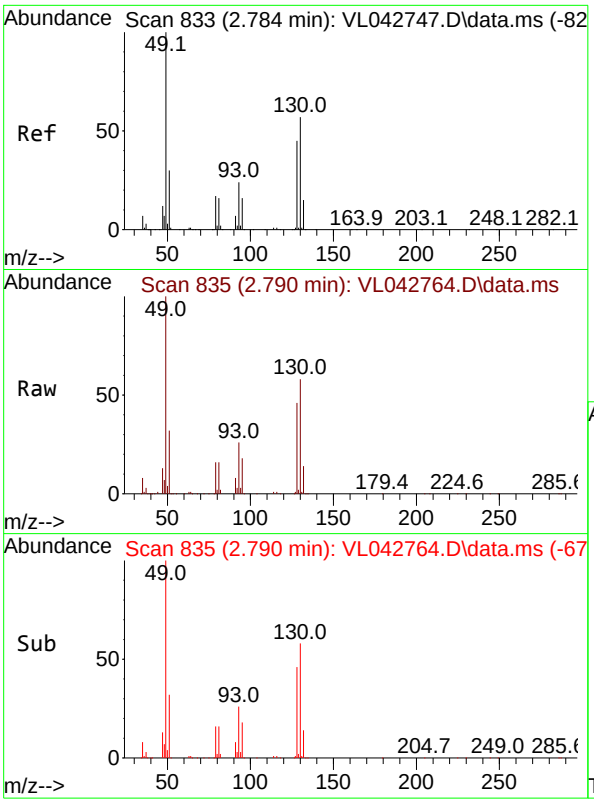
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042764.D
Acq On : 24 Jul 2025 14:28
Operator : SY/MD
Sample : Q2671-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

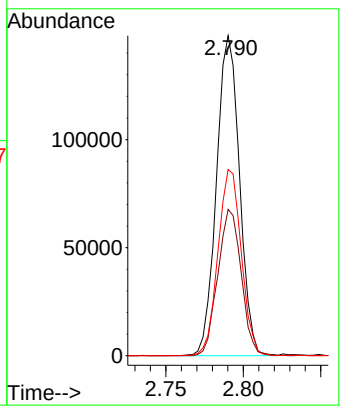




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 49 Resp: 15327

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.6	71.0
130	58.9	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
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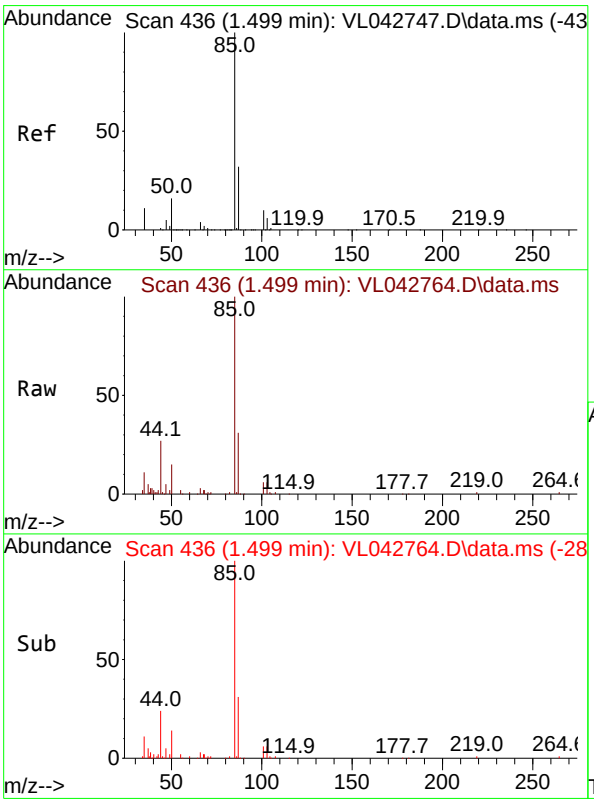
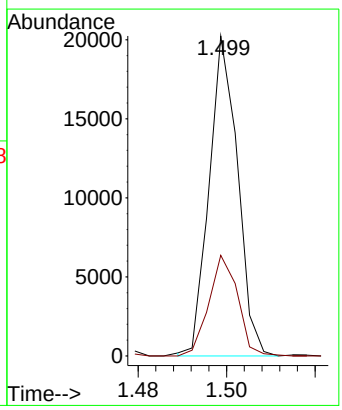
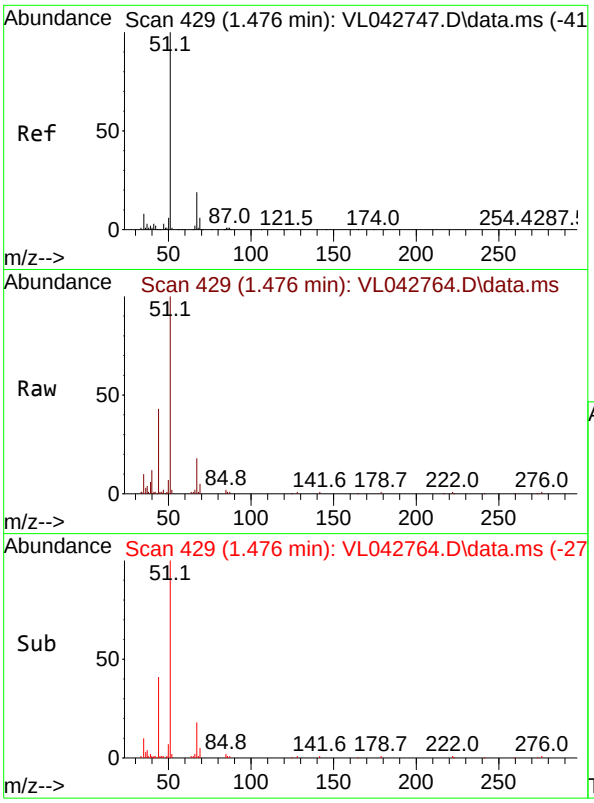


#2
Dichlorodifluoromethane
Concen: 0.445 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 85 Resp: 9014

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.4	38.2

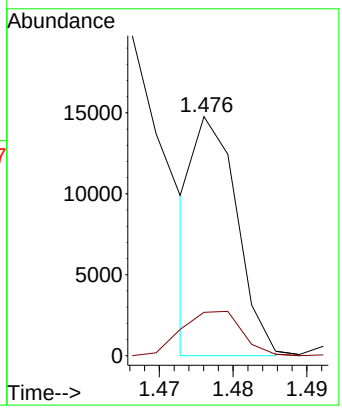




#3
Chlorodifluoromethane
Concen: 0.225 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 51 Resp: 594

Ion	Ratio	Lower	Upper
51	100		
67	26.9	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

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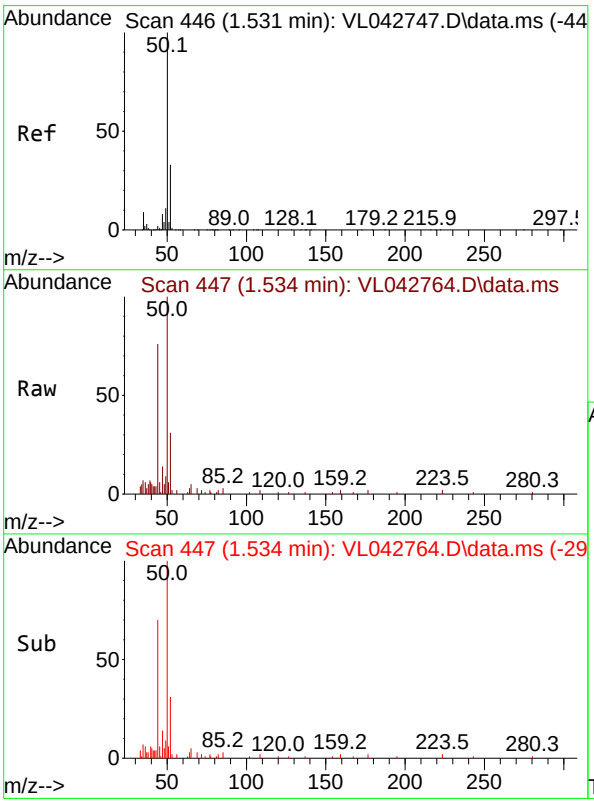
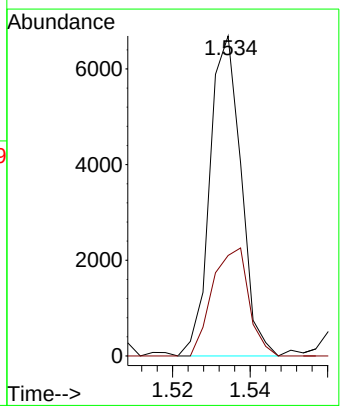
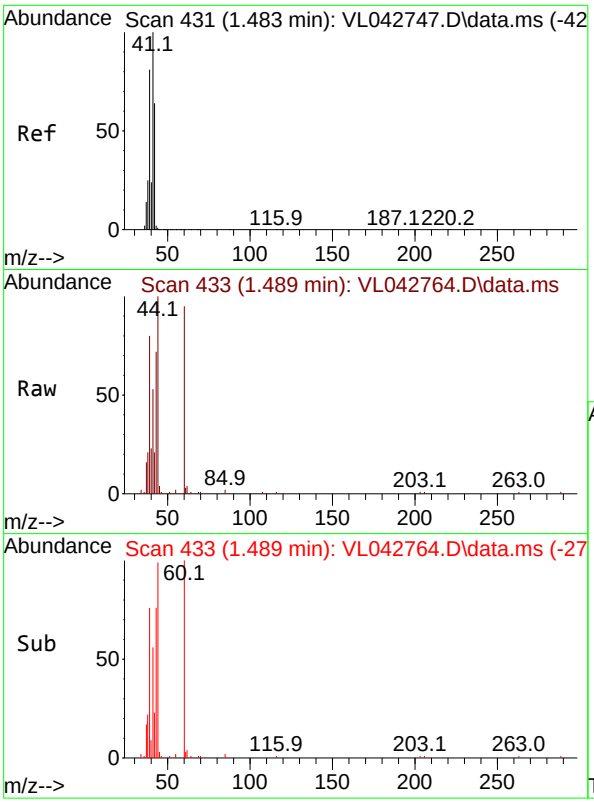


#4
Chloromethane
Concen: 0.456 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 50 Resp: 3742

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.6	40.0

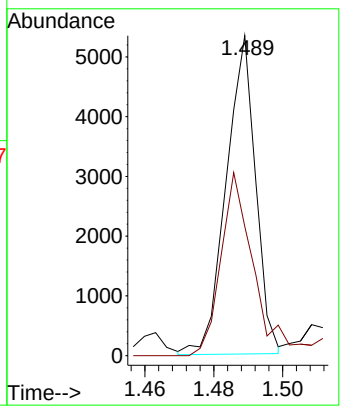




#9
Propene
Concen: 0.330 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 41 Resp: 316

Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
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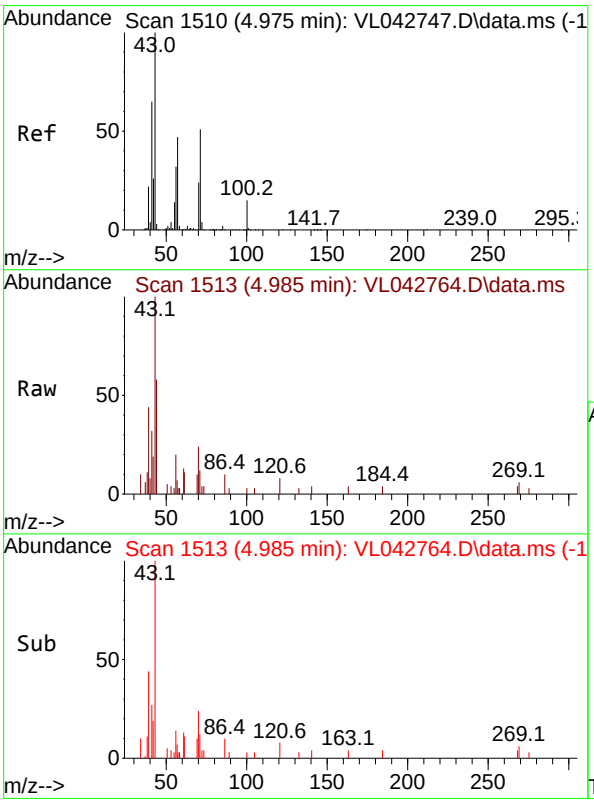
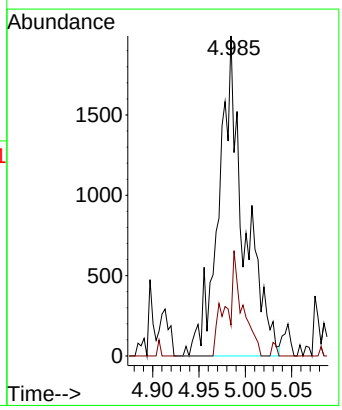
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

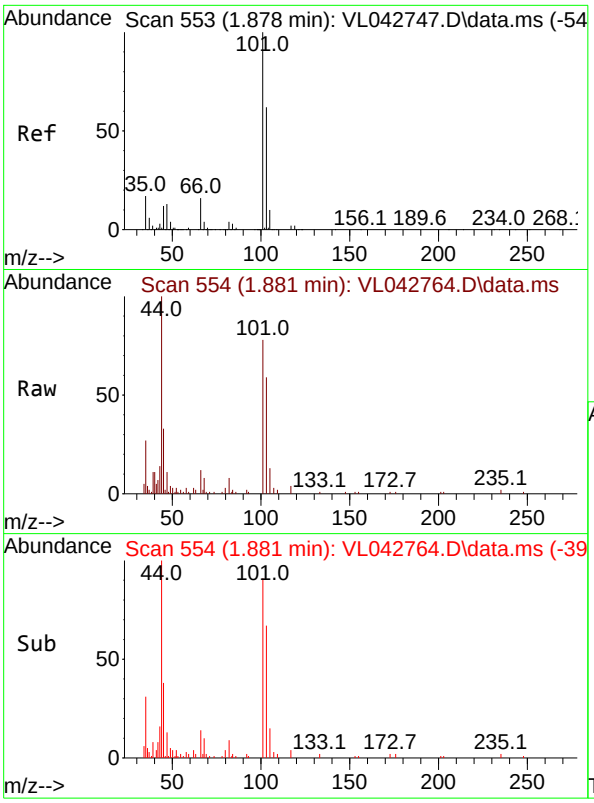


#10
Heptane
Concen: 0.145 ppbv m
RT: 4.985 min Scan# 1513
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 43 Resp: 3757

Ion	Ratio	Lower	Upper
43	100		
57	21.8	39.9	59.9#

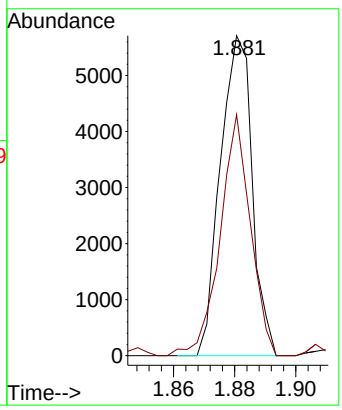




#11
Trichlorofluoromethane
Concen: 0.197 ppbv m
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:101 Resp: 411

Ion	Ratio	Lower	Upper
101	100		
103	75.3	49.6	74.4#



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
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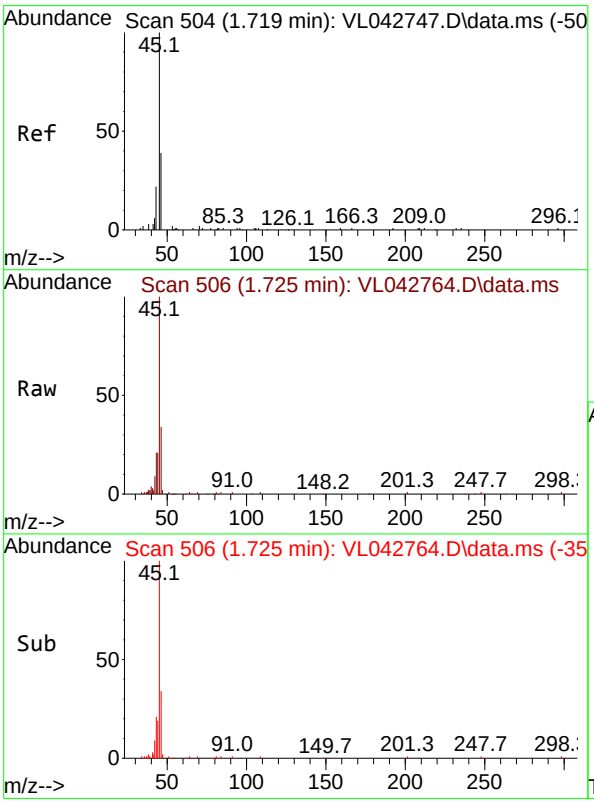
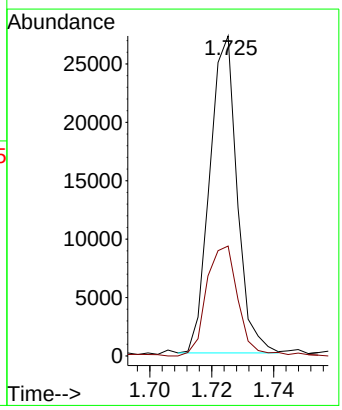
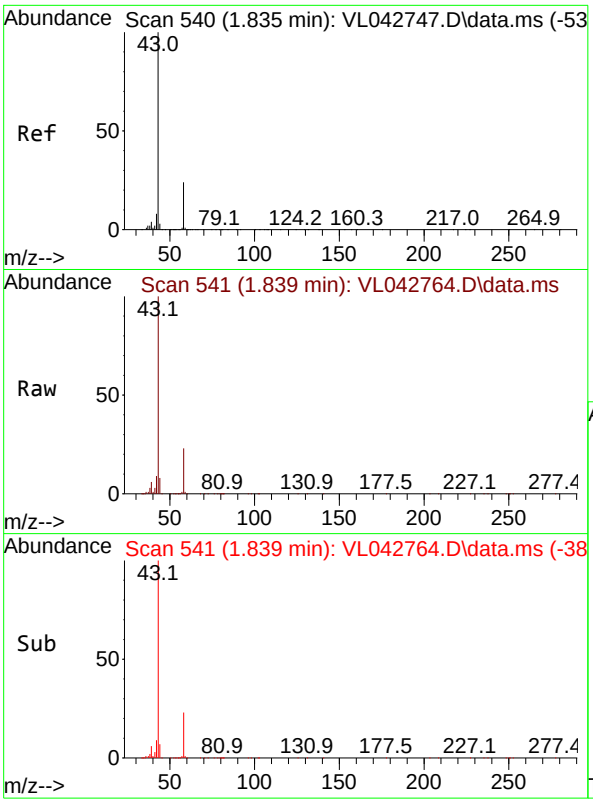


#13
Ethanol
Concen: 22.753 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 45 Resp: 16700

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#





#15
Acetone
Concen: 4.944 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 43 Resp: 10463

Ion	Ratio	Lower	Upper
43	100		
58	25.9	19.8	29.8

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
APPROVED

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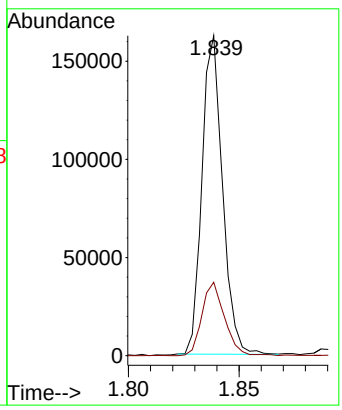
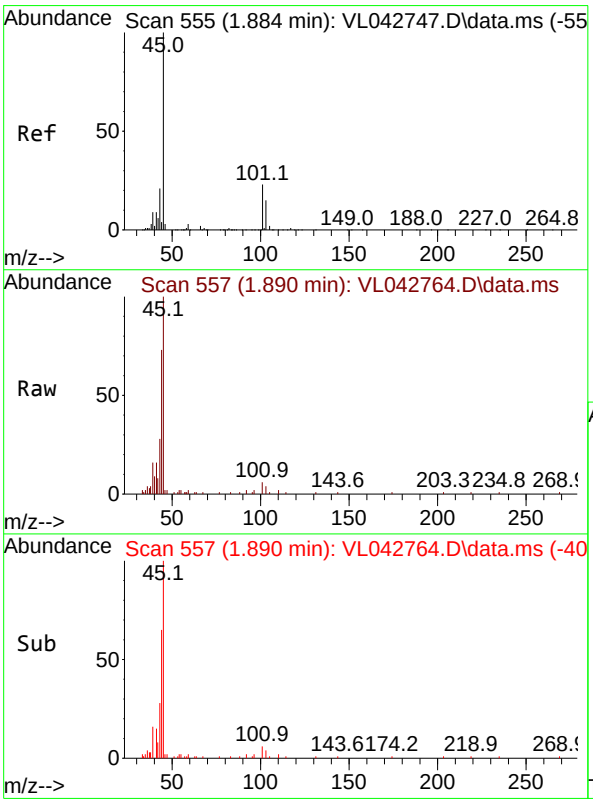
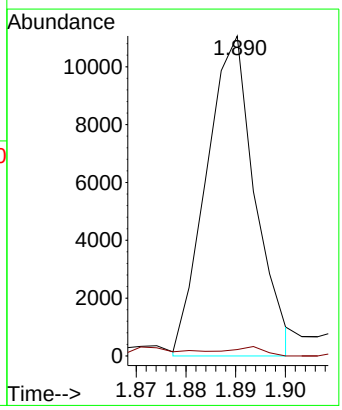


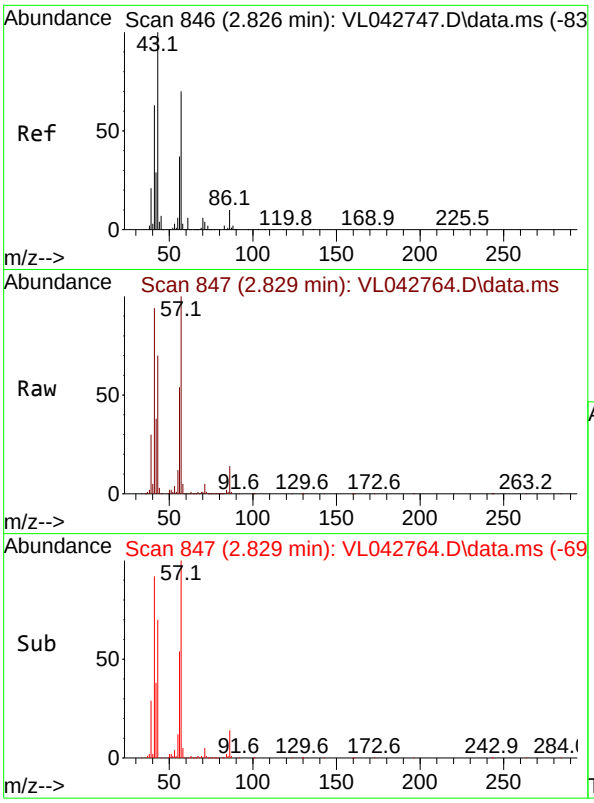


#19
Isopropyl Alcohol
Concen: 0.670 ppbv m
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 45 Resp: 7539

Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.0	45.0#

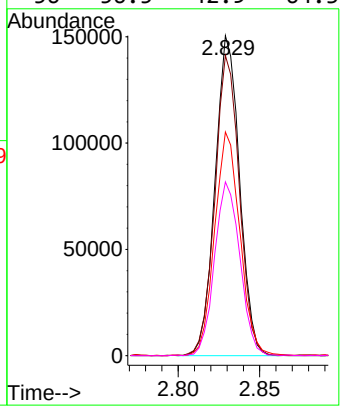




#26
Hexane
Concen: 7.636 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 57 Resp: 15691

Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.4	113.2
43	72.7	185.0	277.6
56	56.5	42.9	64.3



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
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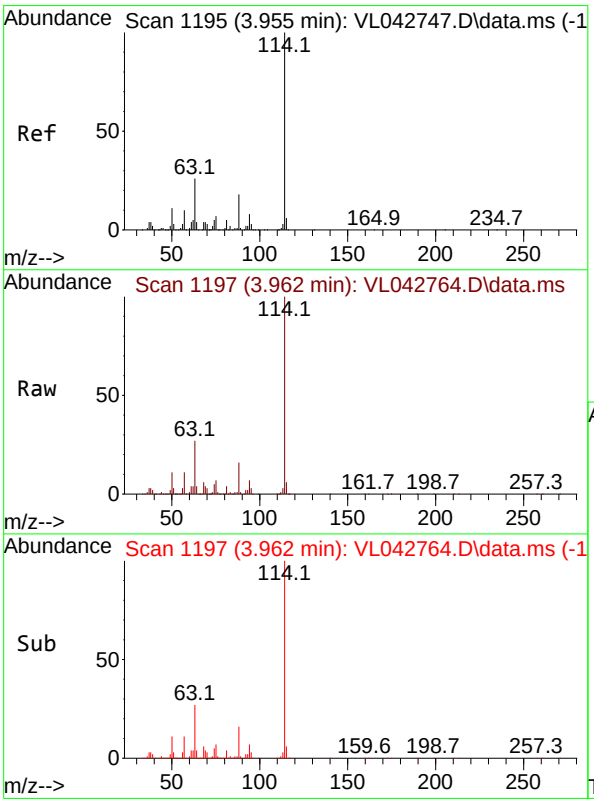
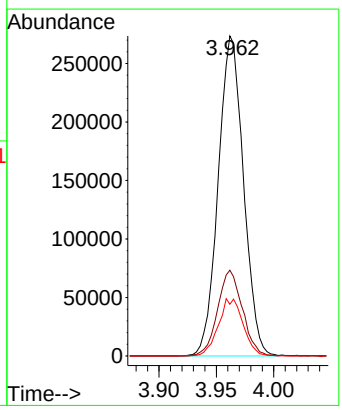
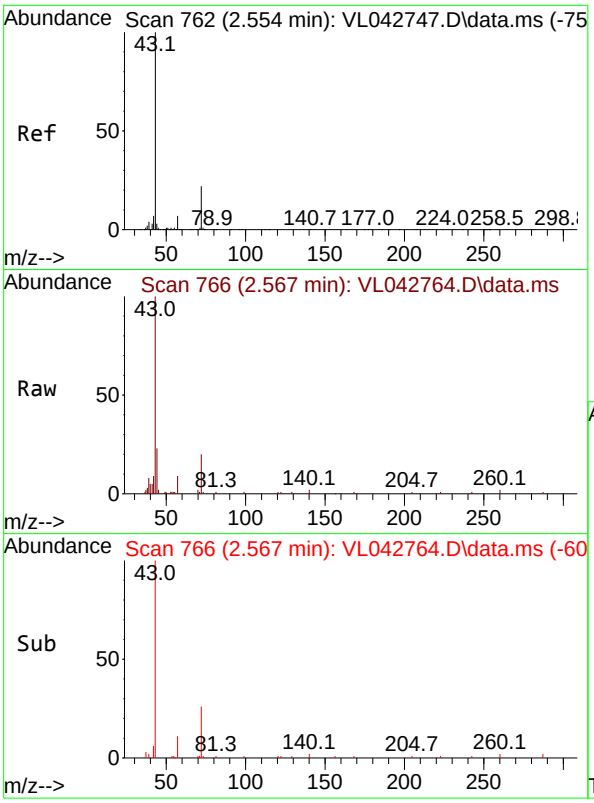


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:114 Resp: 419258

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.5	30.7
88	17.6	14.0	21.0

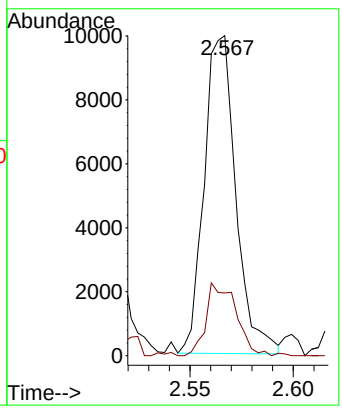




#34
2-Butanone
Concen: 0.357 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 43 Resp: 1060

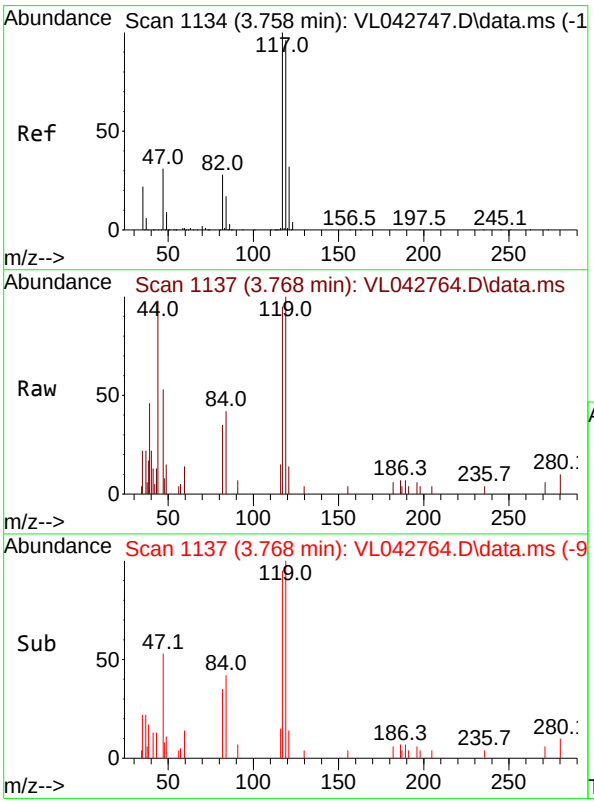
Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
APPROVED

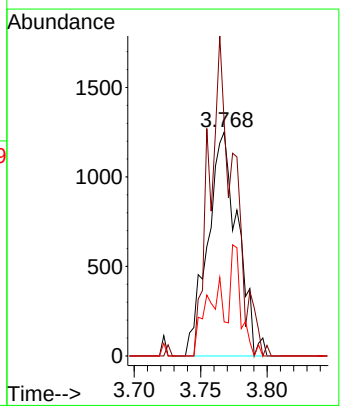
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

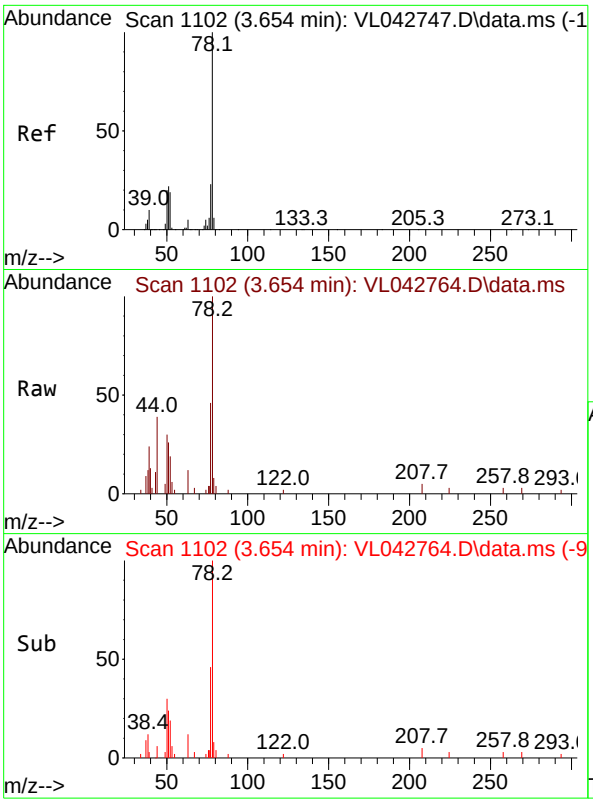


#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:117 Resp: 1957

Ion	Ratio	Lower	Upper
117	100		
119	105.0	77.1	115.7
121	15.2	25.5	38.3#

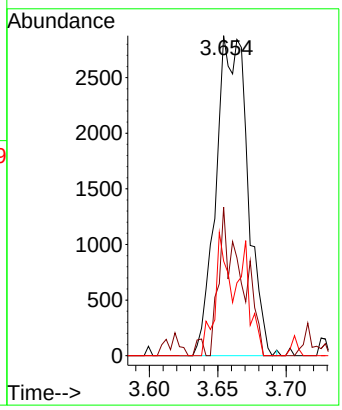




#36
Benzene
Concen: 0.117 ppbv m
RT: 3.654 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 78 Resp: 463

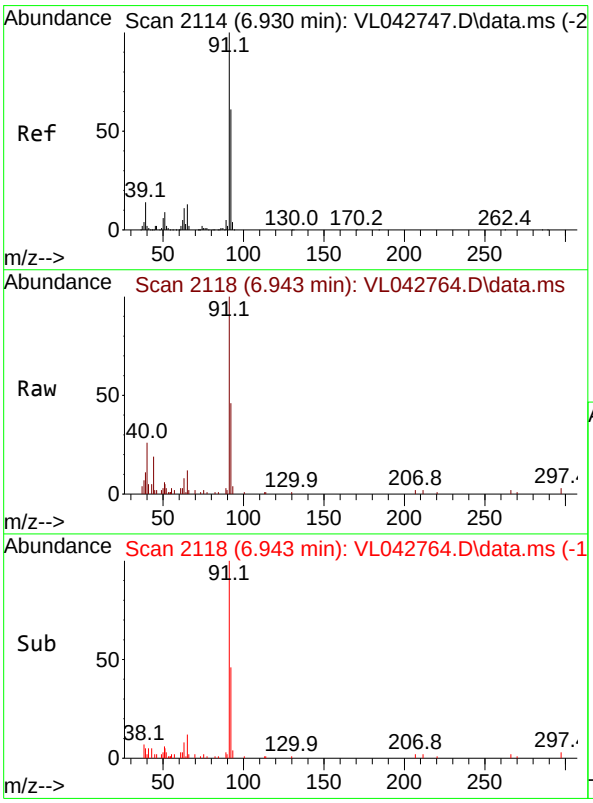
Ion	Ratio	Lower	Upper
78	100		
77	46.4	18.5	27.7#
50	29.5	16.2	24.2#



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
APPROVED

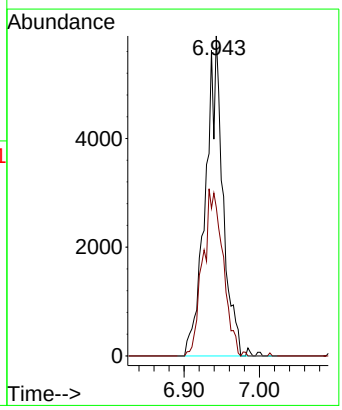
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

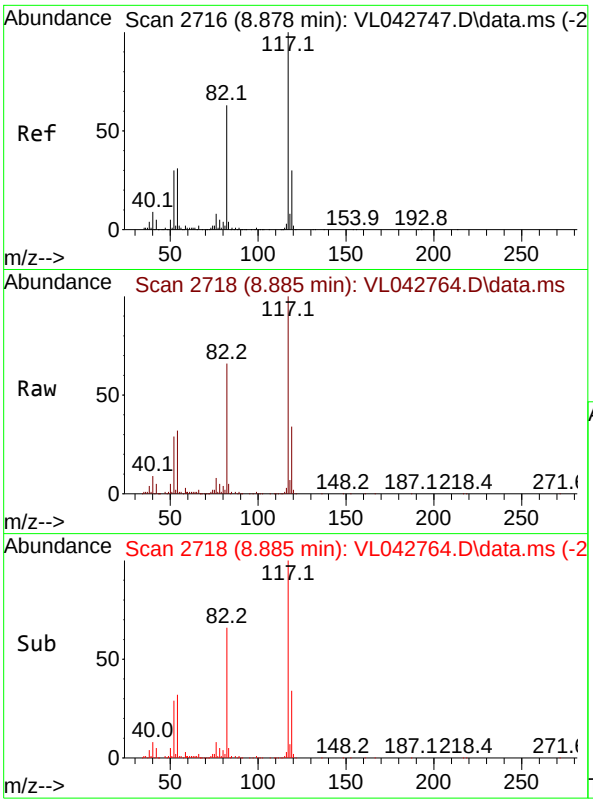


#53
Toluene
Concen: 0.223 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 91 Resp: 9496

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.0	72.0#

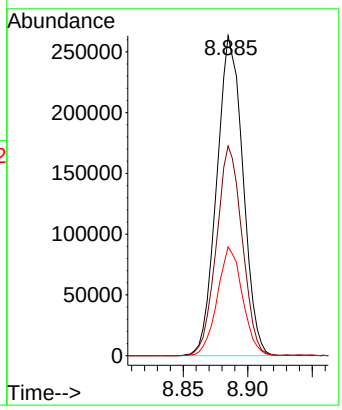




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:117 Resp: 37149

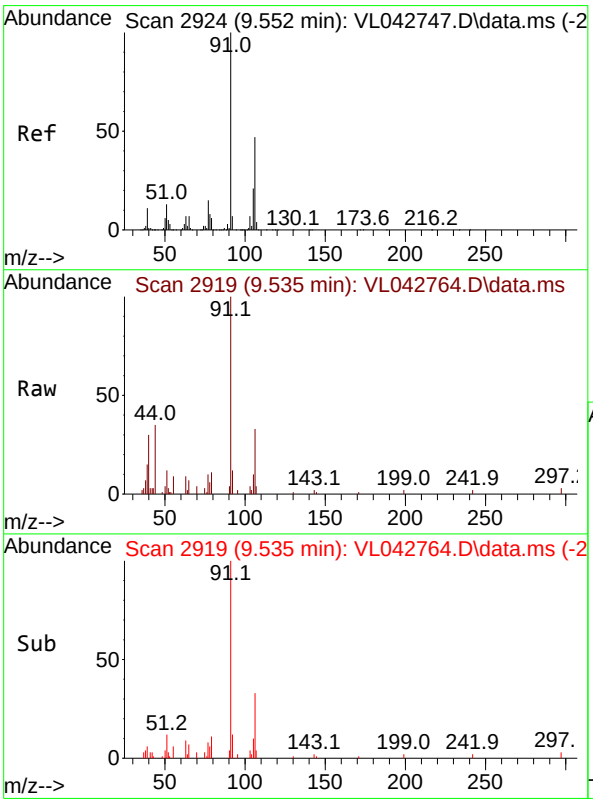
Ion	Ratio	Lower	Upper
117	100		
82	64.5	53.3	79.9
119	33.0	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
APPROVED

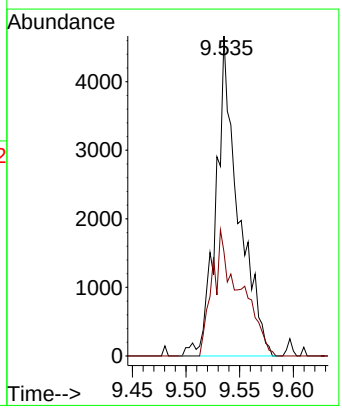
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

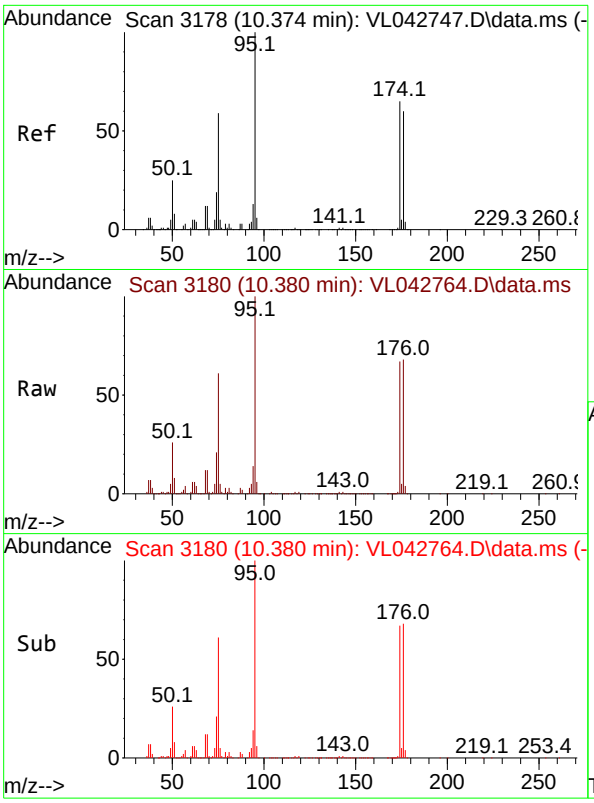


#59
m/p-Xylene
Concen: 0.145 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.016 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 91 Resp: 6809

Ion	Ratio	Lower	Upper
91	100		
106	48.9	37.4	56.2

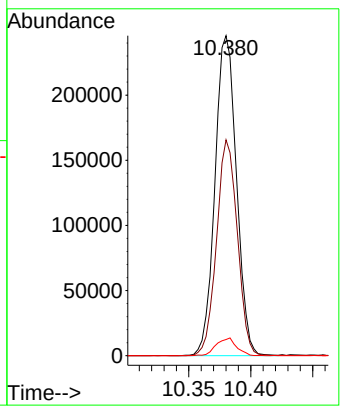




#68
1-Bromo-4-Fluorobenzene
Concen: 10.111 ppbv
RT: 10.380 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 95 Resp: 29746

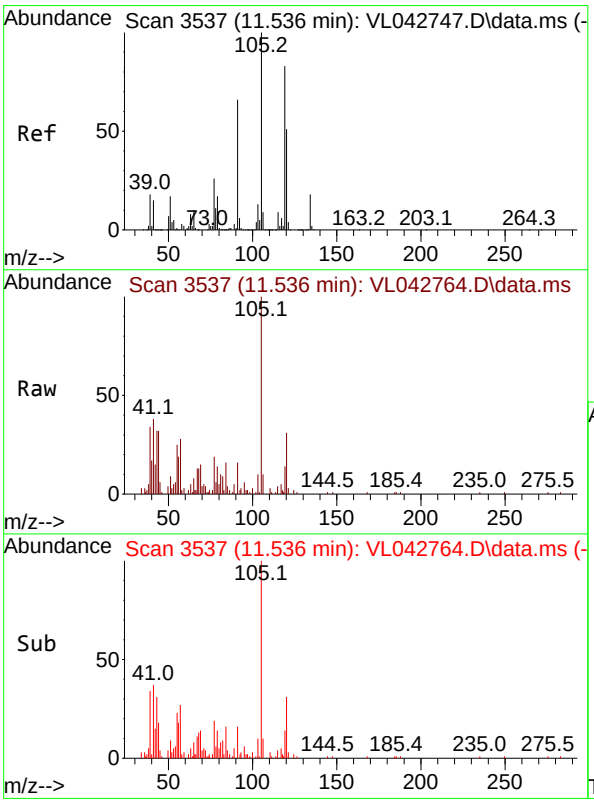
Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.2	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Manual Integrations
APPROVED

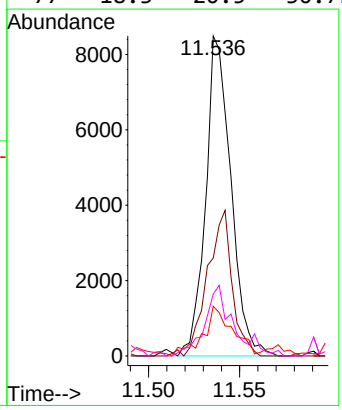
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.163 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:105 Resp: 8207

Ion	Ratio	Lower	Upper
105	100		
120	30.6	40.8	61.2#
91	12.8	53.0	79.4#
77	18.3	20.5	30.7#



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:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-1	SDG No.:	Q2671
Lab Sample ID:	Q2671-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042767.D	1		07/24/25 16:17	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.40	1.98	J	0.54	2.47	ug/m3
74-87-3	Chloromethane	0.56	1.16		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.20	1.12	J	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.33	1.35	J	0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	23.3	55.4	E	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.67	1.98		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.090	0.57		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.47	2.30	J	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.20	1.09		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.22	0.70	J	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.41	1.66	J	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.81	3.05		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-1	SDG No.:	Q2671
Lab Sample ID:	Q2671-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042767.D	1		07/24/25 16:17	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.17	1.15		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.18	0.77	J	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	J	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.48	2.52		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	8.60	30.3		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			70 (65) - 130 (135)	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	149000		2.79			
540-36-3	1,4-Difluorobenzene	412000		3.965			
3114-55-4	Chlorobenzene-d5	377000		8.888			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-1	SDG No.:	Q2671
Lab Sample ID:	Q2671-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042767.D	1		07/24/25 16:17	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042767.D
Acq On : 24 Jul 2025 16:17
Operator : SY/MD
Sample : Q2671-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:28:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	149110	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	411819	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	377399	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	300204	10.044	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	7879	0.400	ppbv		97
4) Chloromethane	1.534	50	4426	0.555	ppbv	#	84
9) Propene	1.489	41	343573m	36.809	ppbv		
10) Heptane	4.991	43	8280m	0.329	ppbv		
11) Trichlorofluoromethane	1.881	101	4048	0.199	ppbv		86
13) Ethanol	1.725	45	878523	1291.503	ppbv		92
15) Acetone	1.839	43	478727	23.251	ppbv		99
19) Isopropyl Alcohol	1.890	45	284464	25.998	ppbv		94
26) Hexane	2.832	57	171539	8.580	ppbv	#	53
29) Chloroform	2.852	83	14358	0.465	ppbv		94
32) 1,1,1-Trichloroethane	3.373	97	6414	0.199	ppbv	#	86
34) 2-Butanone	2.564	43	19454	0.667	ppbv		94
35) Carbon Tetrachloride	3.771	117	2861m	0.094	ppbv		
36) Benzene	3.664	78	8384m	0.215	ppbv		
37) 1,2-Dichloroethane	3.224	62	9737	0.414	ppbv		98
52) Tetrachloroethene	8.241	164	2682m	0.166	ppbv		
53) Toluene	6.946	91	33987	0.811	ppbv		99
59) m/p-Xylene	9.539	91	11567m	0.243	ppbv		
60) o-Xylene	9.969	91	5451	0.115	ppbv		100
61) Styrene	9.878	104	3503m	0.175	ppbv		
74) 1,2,4-Trimethylbenzene	11.542	105	8935	0.175	ppbv	#	62
79) Naphthalene	13.520	128	2772m	0.483	ppbv		

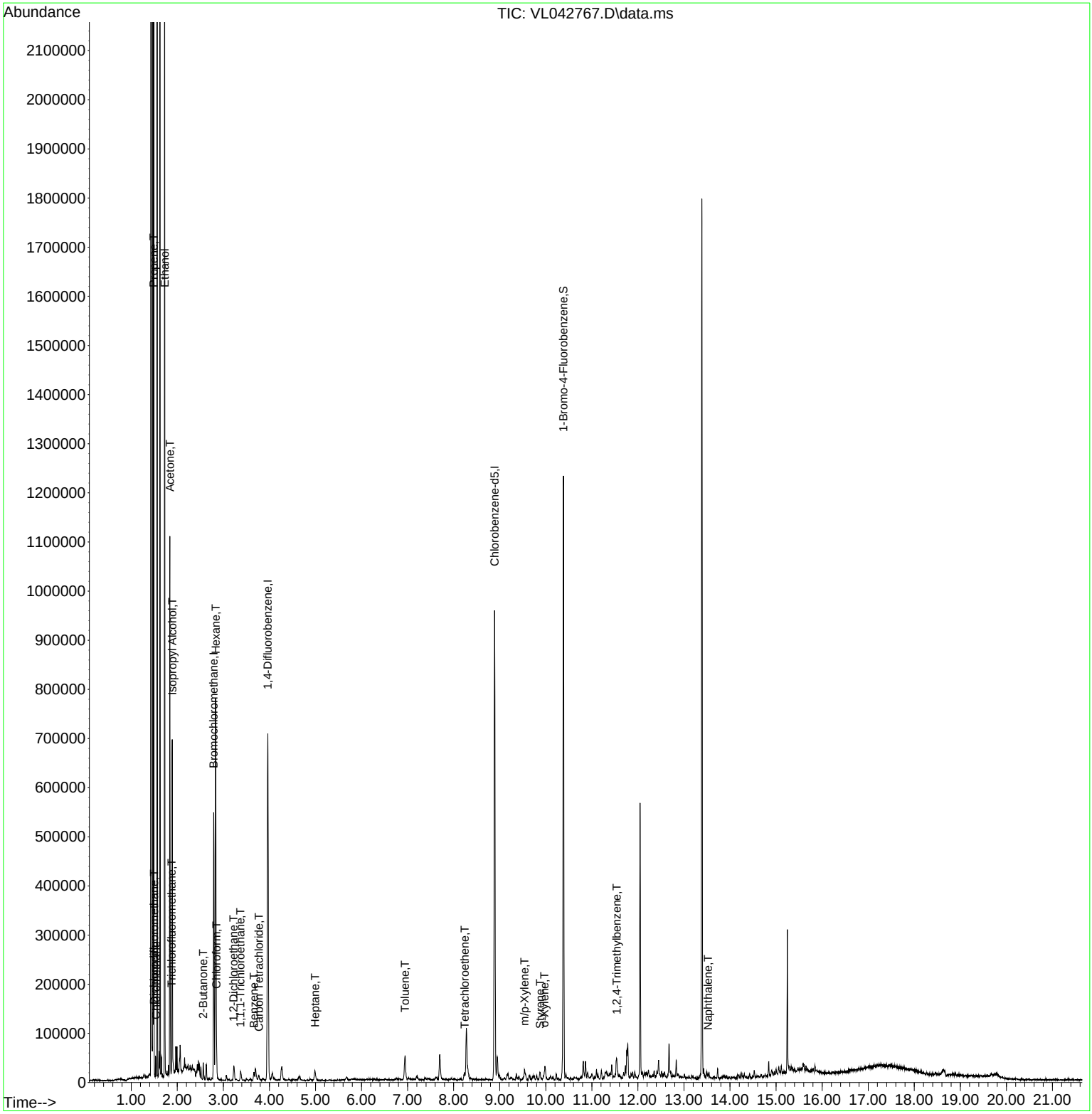
(#) = qualifier out of range (m) = manual integration (+) = signals summed

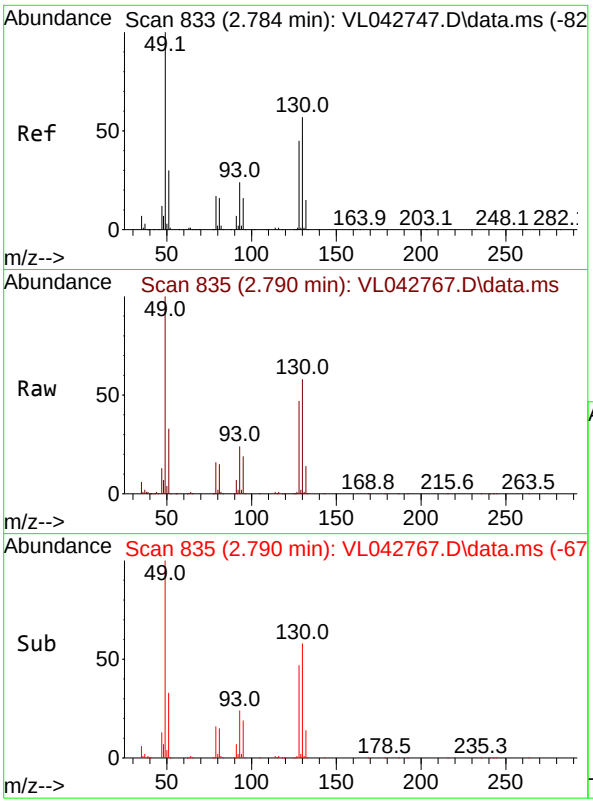
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042767.D
Acq On : 24 Jul 2025 16:17
Operator : SY/MD
Sample : Q2671-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:28:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

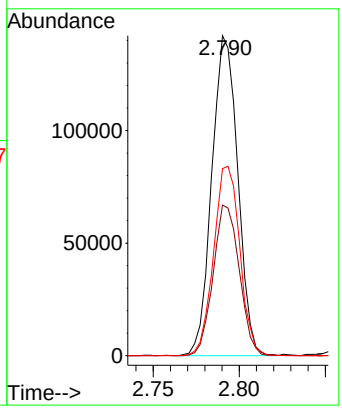




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 49 Resp: 14911

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	59.8	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

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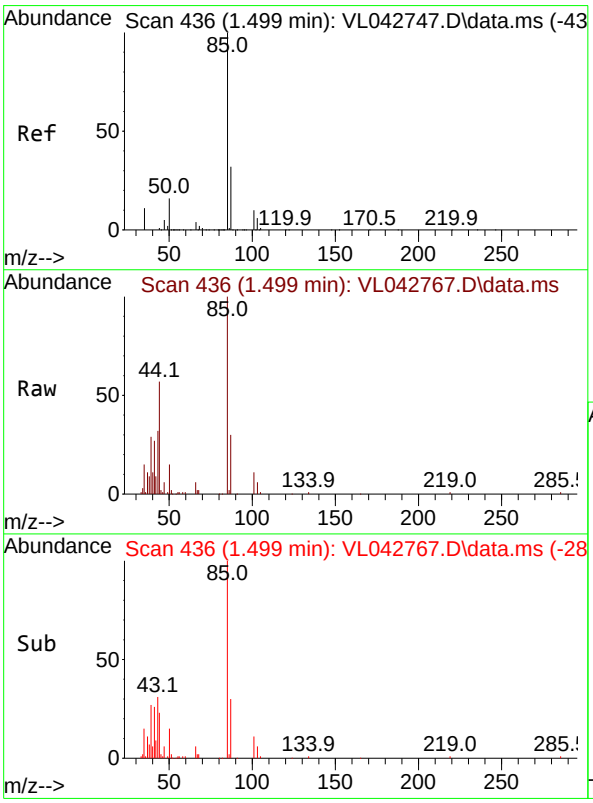
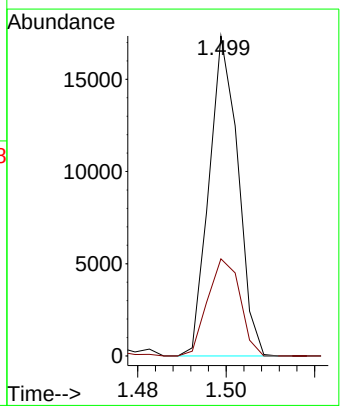
Supervised By :Mahesh Dadoda 07/25/2025

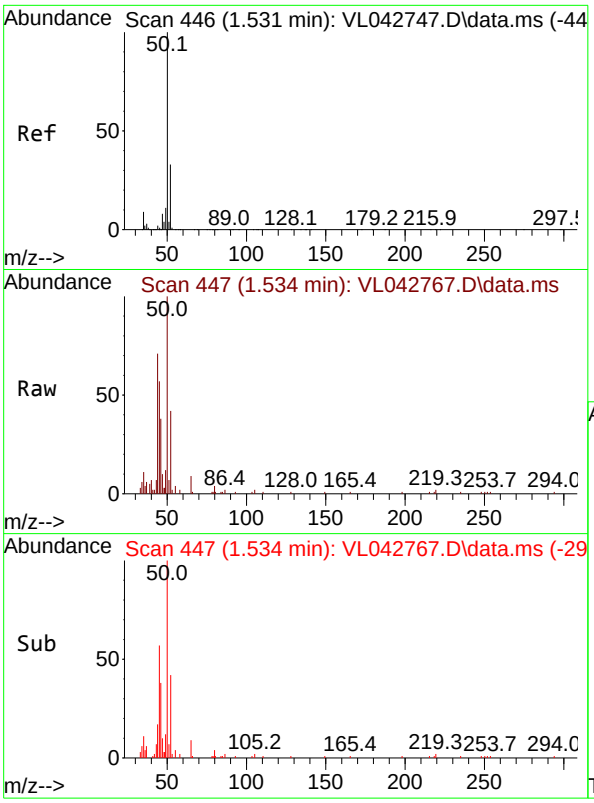


#2
Dichlorodifluoromethane
Concen: 0.400 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 85 Resp: 7879

Ion	Ratio	Lower	Upper
85	100		
87	30.4	25.4	38.2

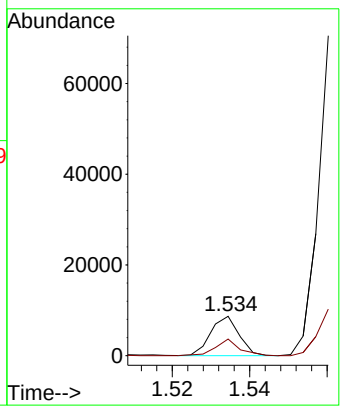




#4
Chloromethane
Concen: 0.555 ppbv
RT: 1.534 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 50 Resp: 442

Ion	Ratio	Lower	Upper
50	100		
52	42.3	26.6	40.0#



Instrument :
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118-IA-1

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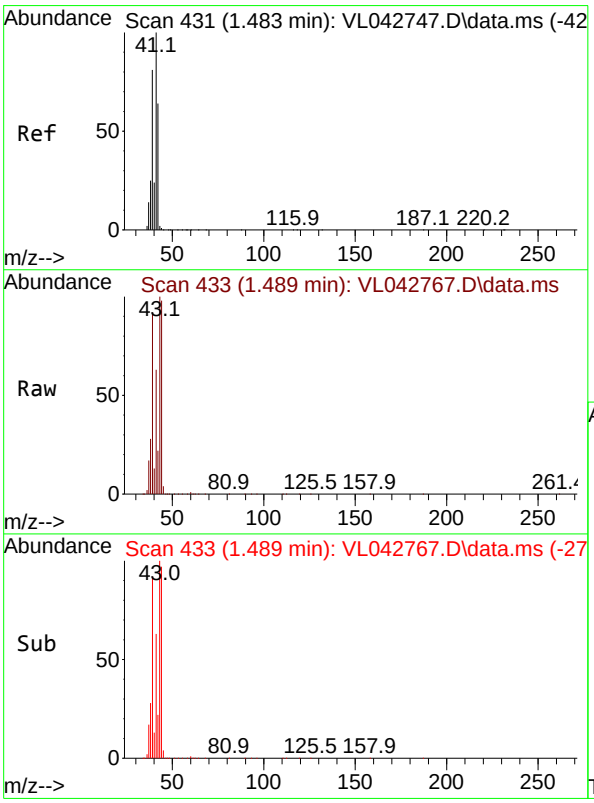
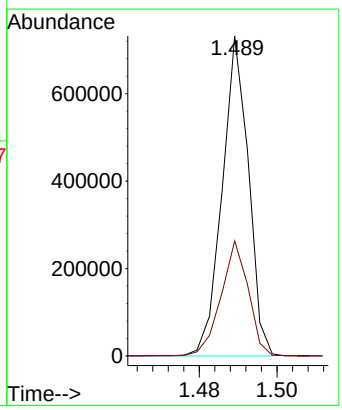
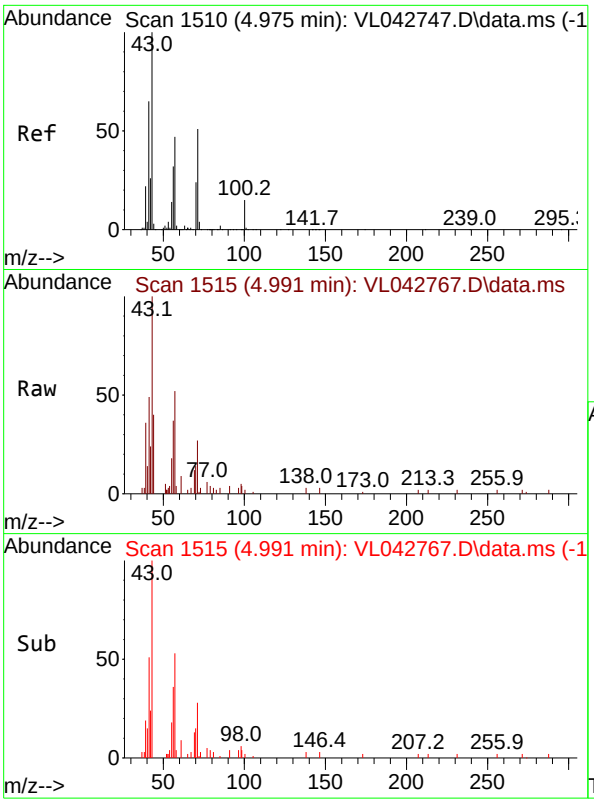


#9
Propene
Concen: 36.809 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 41 Resp: 343573

Ion	Ratio	Lower	Upper
41	100		
42	282.9	53.2	79.8#

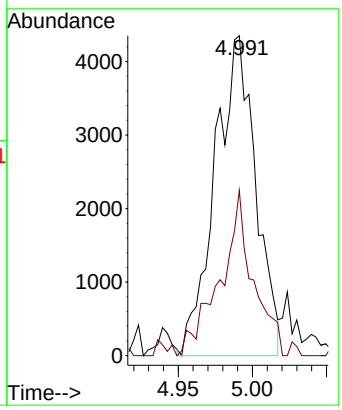




#10
Heptane
Concen: 0.329 ppbv m
RT: 4.991 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 43 Resp: 828

Ion	Ratio	Lower	Upper
43	100		
57	43.9	39.9	59.9



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

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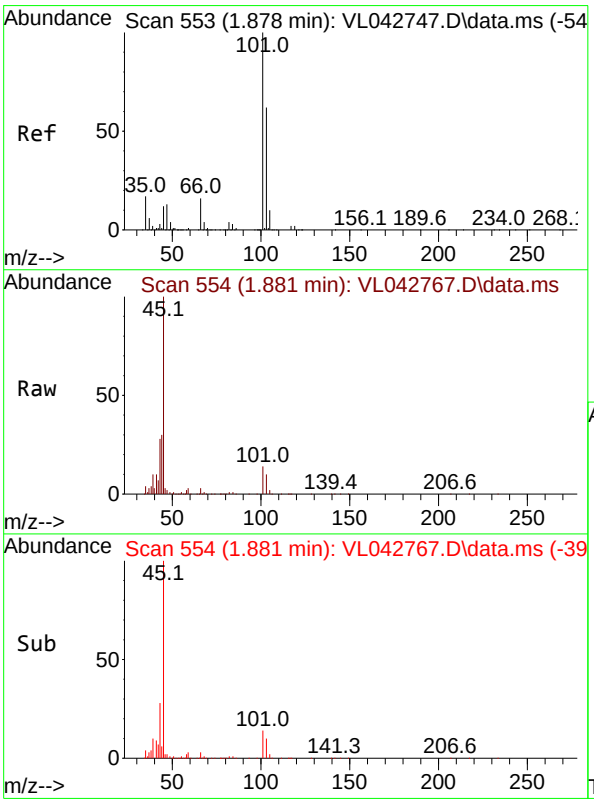
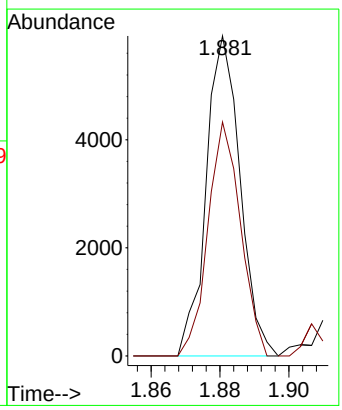
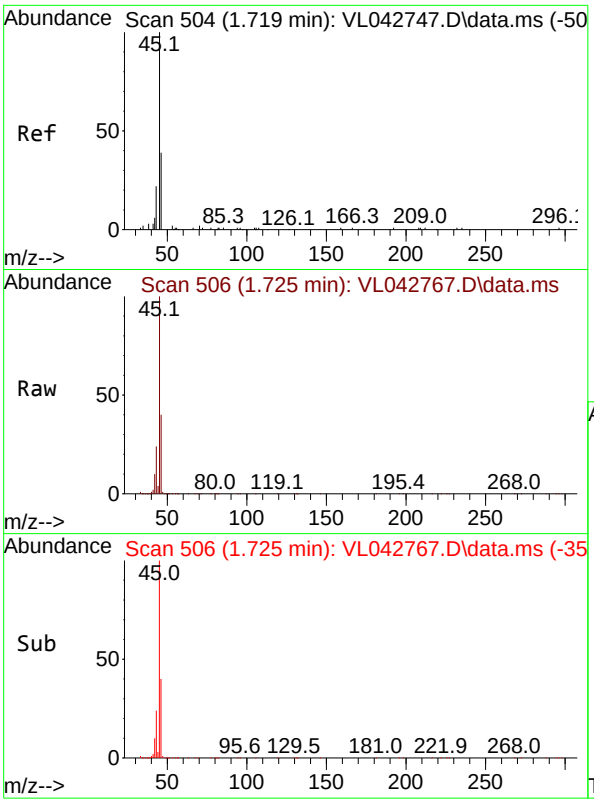


#11
Trichlorofluoromethane
Concen: 0.199 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:101 Resp: 4048

Ion	Ratio	Lower	Upper
101	100		
103	73.1	49.6	74.4

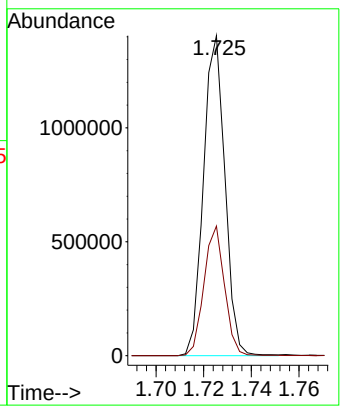




#13
Ethanol
Concen: 1291.503 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 45 Resp: 87852

Ion	Ratio	Lower	Upper
45	100		
46	39.1	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

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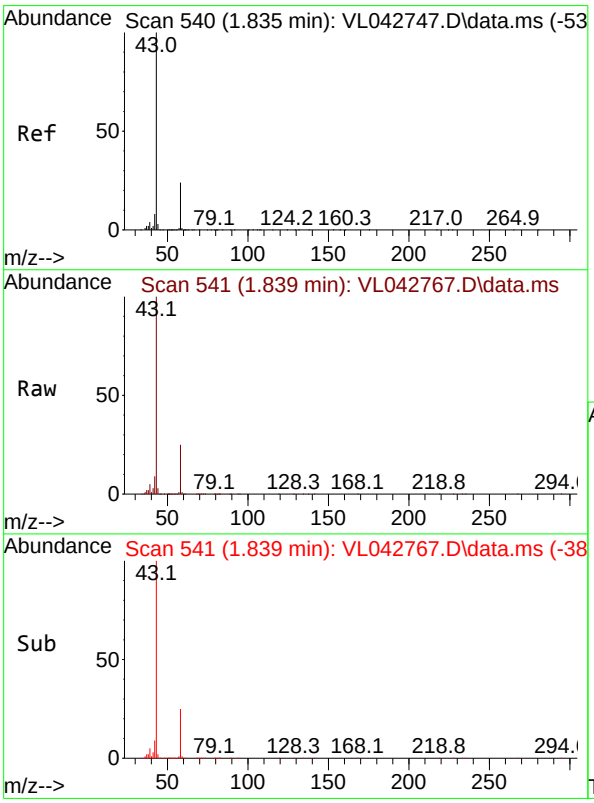
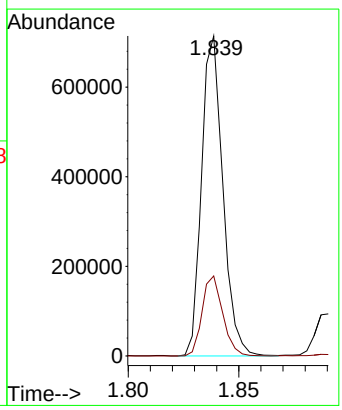
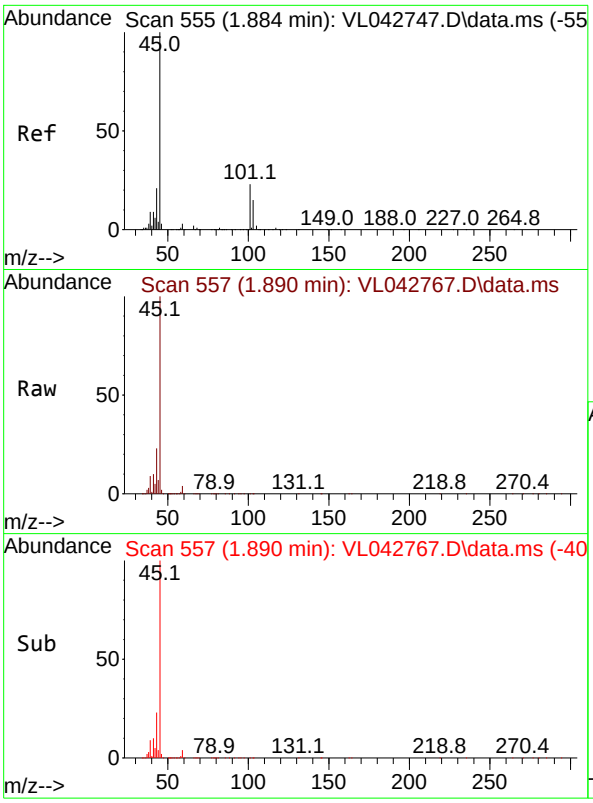


#15
Acetone
Concen: 23.251 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 43 Resp: 478727

Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.8	29.8

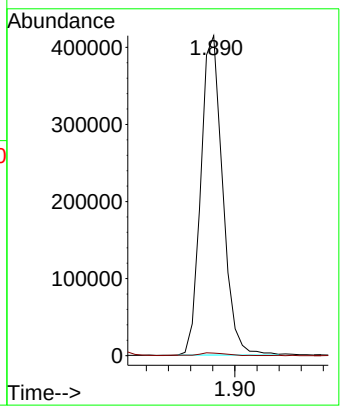




#19
Isopropyl Alcohol
Concen: 25.998 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 45 Resp: 28446

Ion	Ratio	Lower	Upper
45	100		
58	40.9	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

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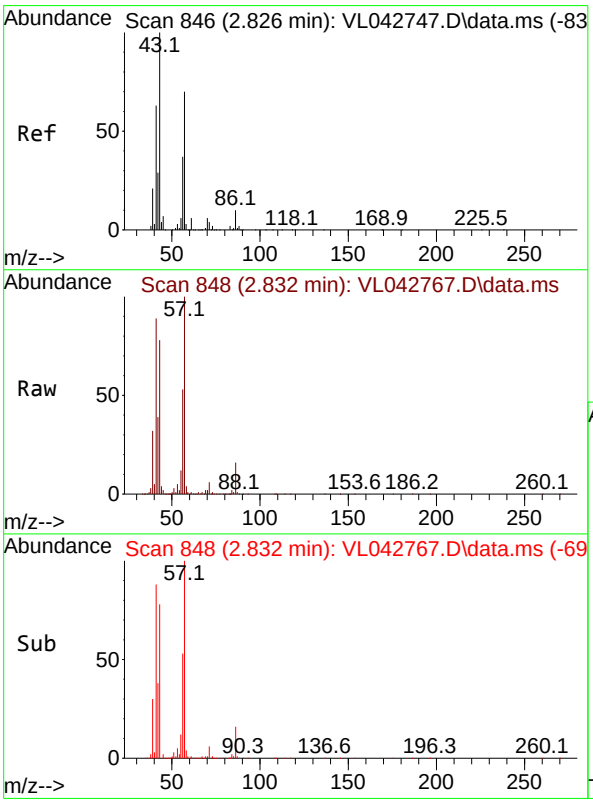
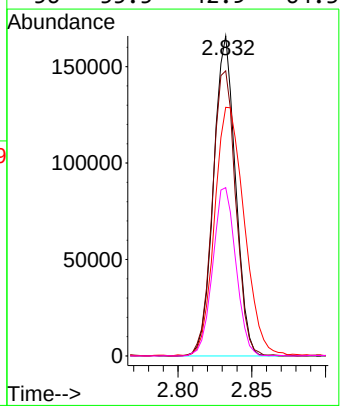
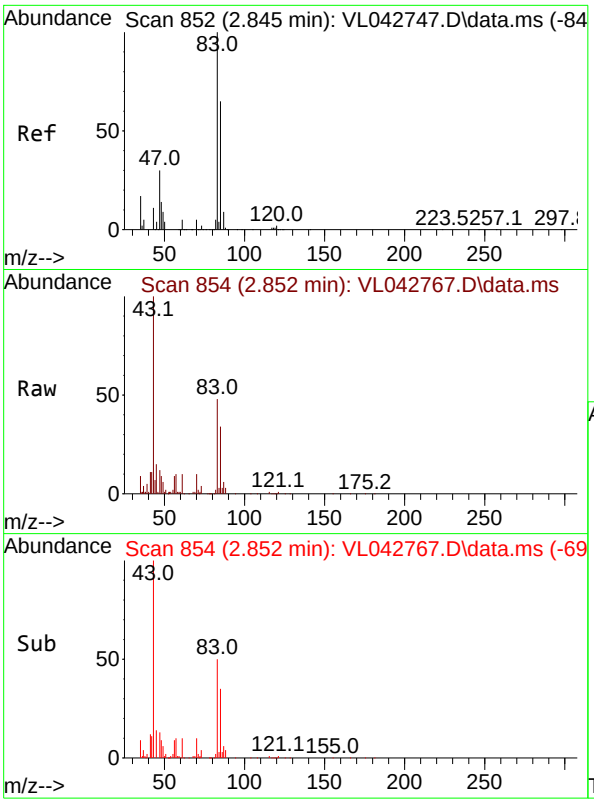


#26
Hexane
Concen: 8.580 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 57 Resp: 171539

Ion	Ratio	Lower	Upper
57	100		
41	95.5	75.4	113.2
43	105.8	185.0	277.6#
56	55.5	42.9	64.3

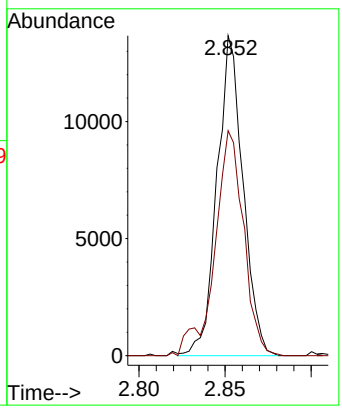




#29
Chloroform
Concen: 0.465 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 83 Resp: 1435

Ion	Ratio	Lower	Upper
83	100		
85	70.3	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

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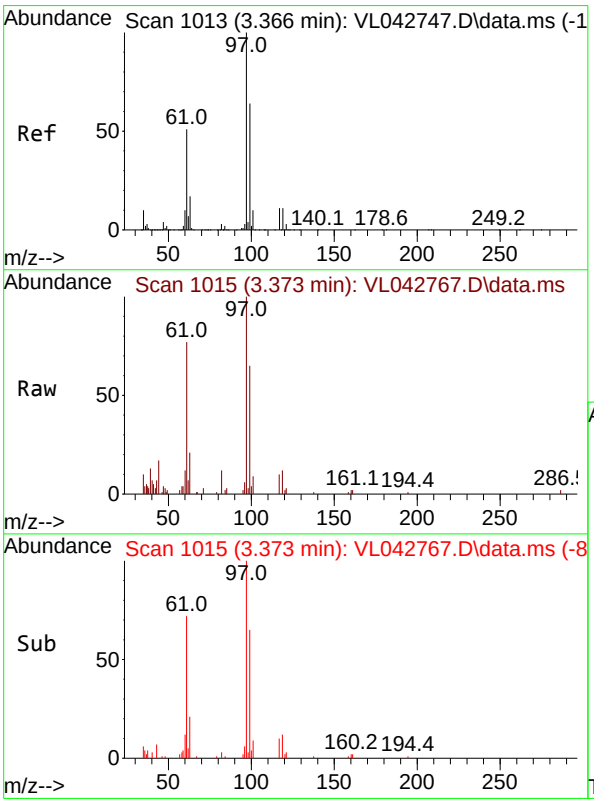
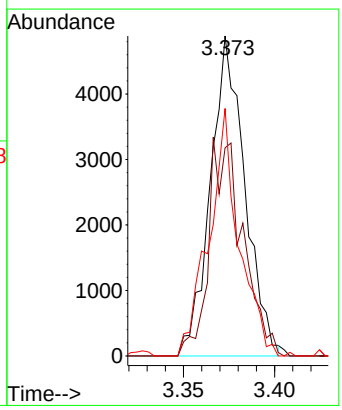
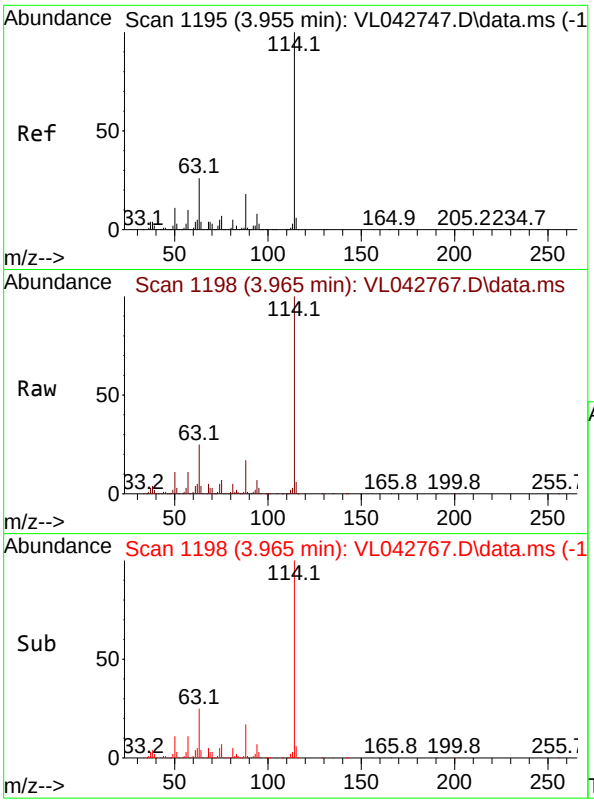


#32
1,1,1-Trichloroethane
Concen: 0.199 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 97 Resp: 6414

Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.0	76.6
61	68.5	40.9	61.3#

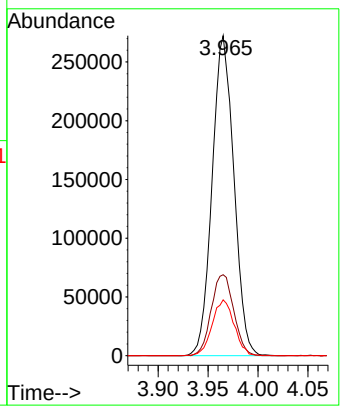




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:114 Resp: 41181

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.5	30.7
88	17.7	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

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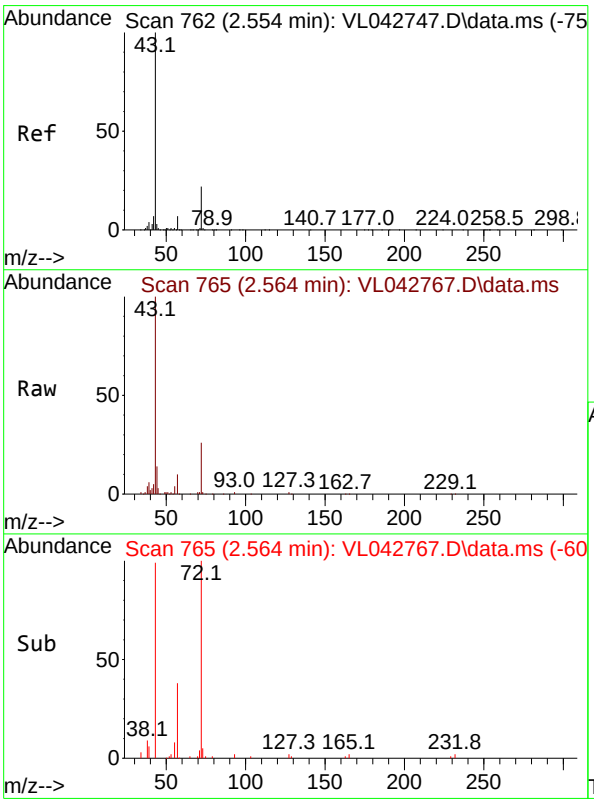
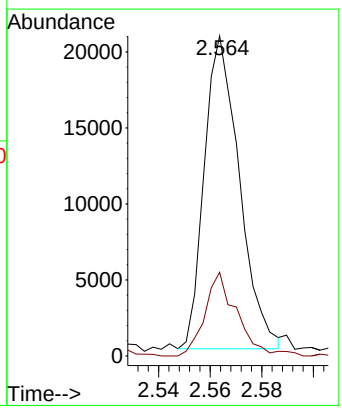
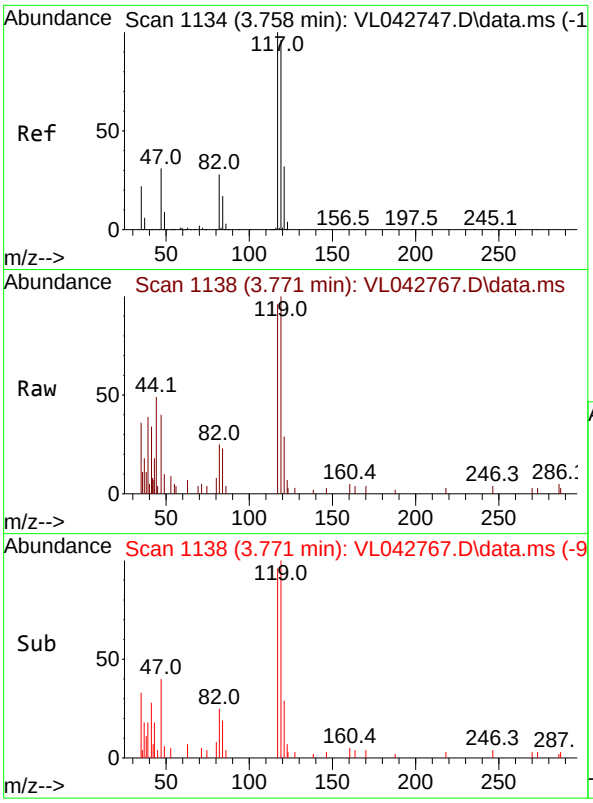


#34
2-Butanone
Concen: 0.667 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 43 Resp: 19454

Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.0

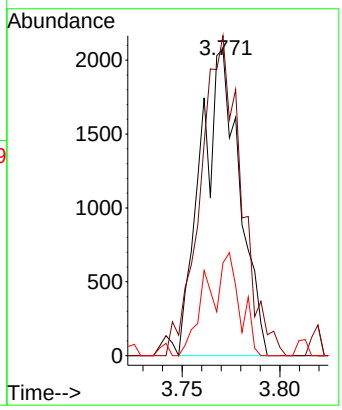




#35
Carbon Tetrachloride
Concen: 0.094 ppbv m
RT: 3.771 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:117 Resp: 286

Ion	Ratio	Lower	Upper
117	100		
119	104.4	77.1	115.7
121	30.3	25.5	38.3



Instrument :
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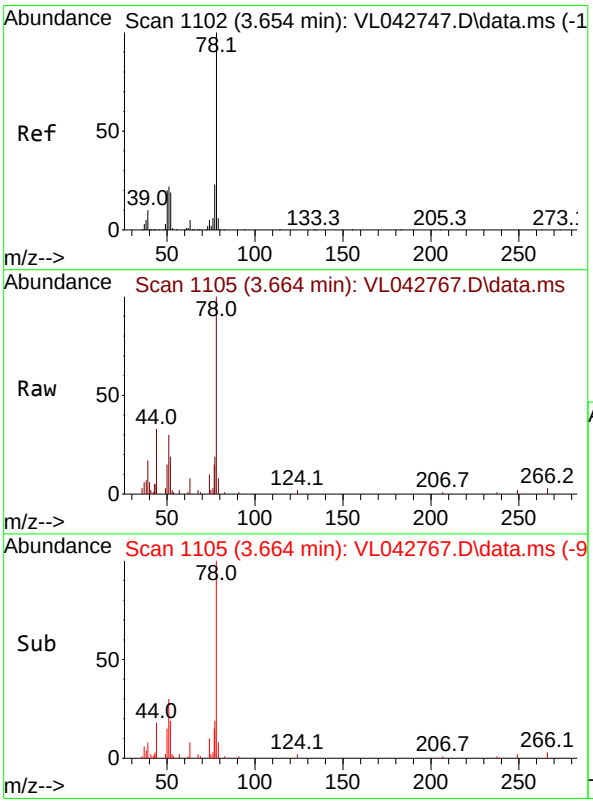
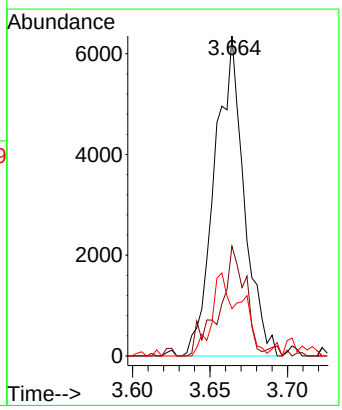
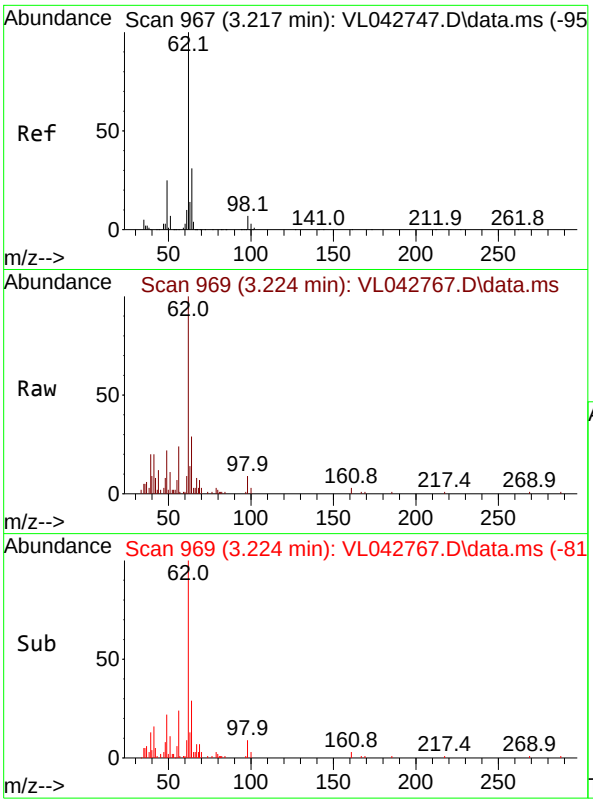


#36
Benzene
Concen: 0.215 ppbv m
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 78 Resp: 8384

Ion	Ratio	Lower	Upper
78	100		
77	18.8	18.5	27.7
50	14.8	16.2	24.2#

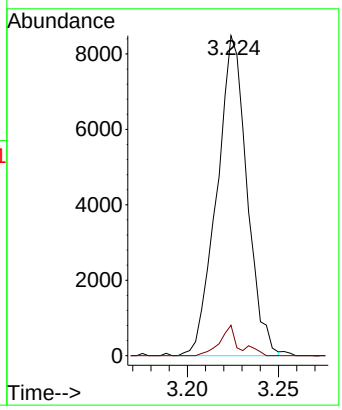




#37
1,2-Dichloroethane
Concen: 0.414 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 62 Resp: 973

Ion	Ratio	Lower	Upper
62	100		
98	5.9	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations
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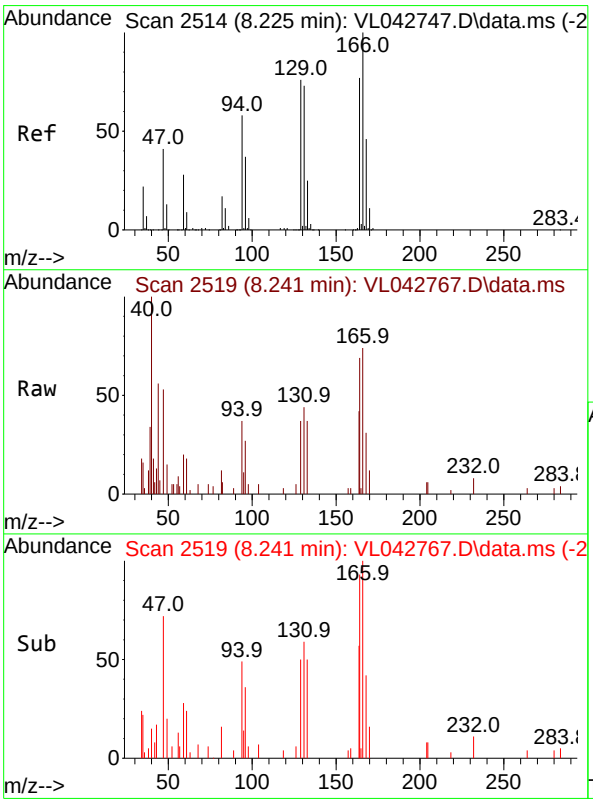
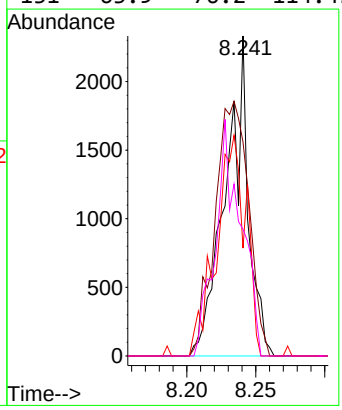
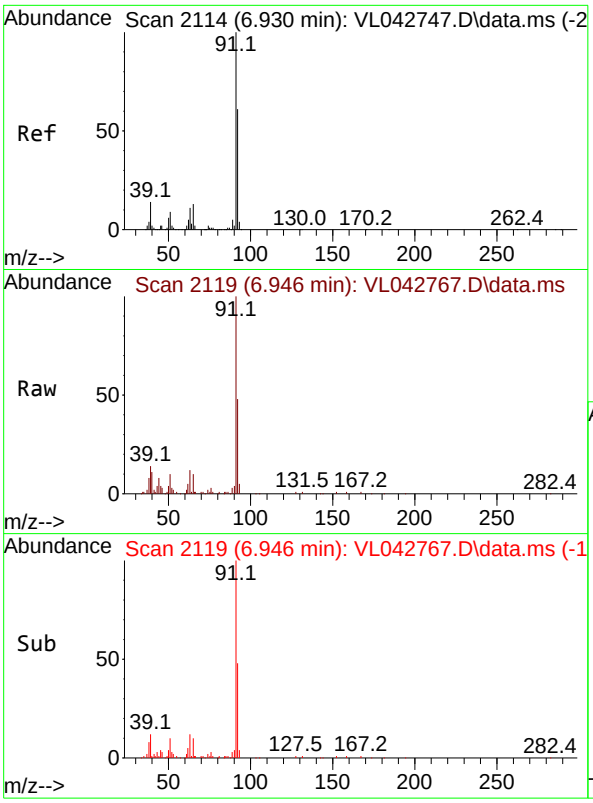


#52
Tetrachloroethene
Concen: 0.166 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:164 Resp: 2682

Ion	Ratio	Lower	Upper
164	100		
166	107.8	104.0	156.0
129	54.3	79.2	118.8#
131	63.9	76.2	114.4#

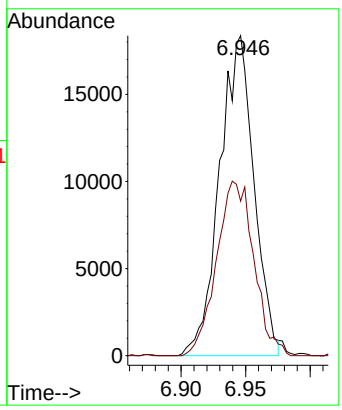




#53
Toluene
Concen: 0.811 ppbv
RT: 6.946 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 91 Resp: 3398

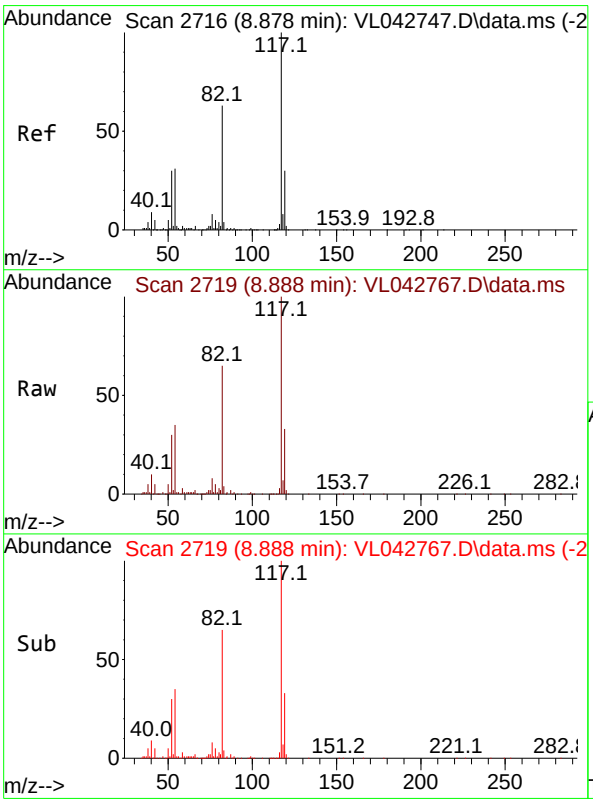
Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations
APPROVED

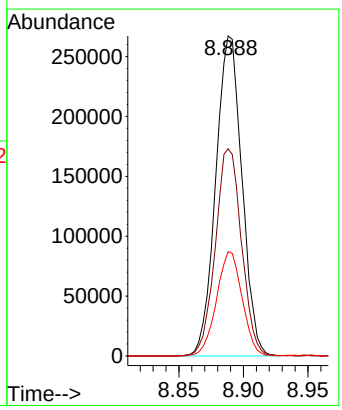
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

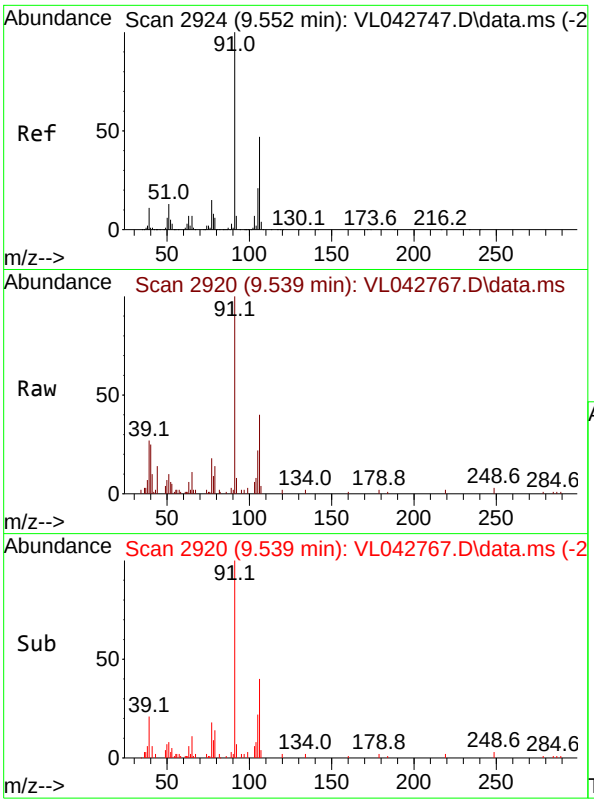


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:117 Resp: 377399

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.3	79.9
119	32.0	25.8	38.6





#59
m/p-Xylene
Concen: 0.243 ppbv m
RT: 9.539 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

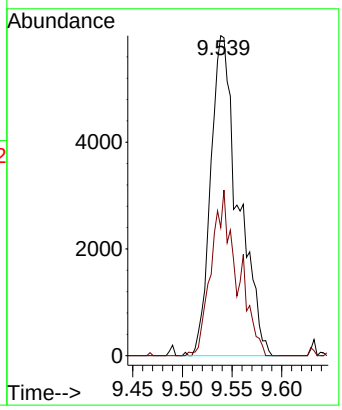
Tgt Ion: 91 Resp: 1156

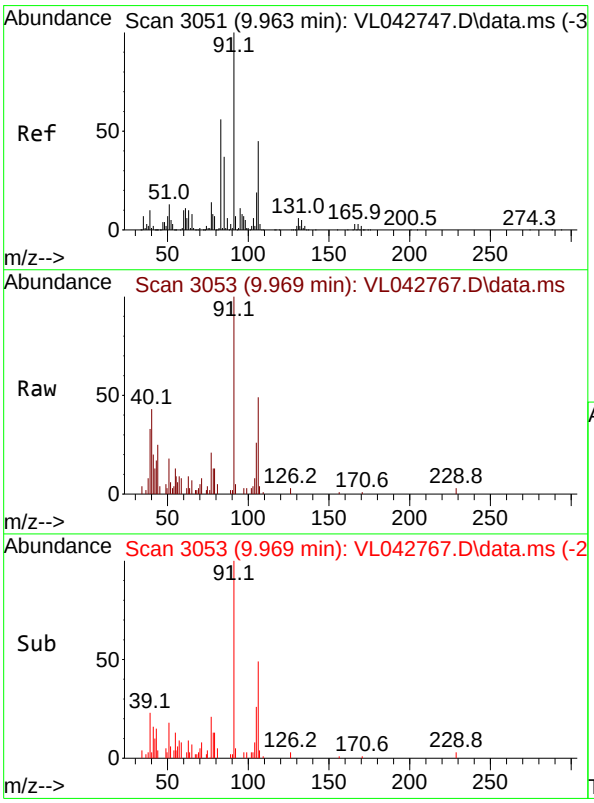
Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

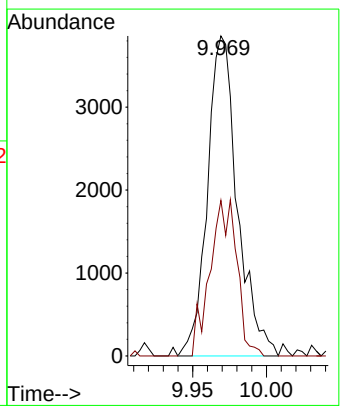


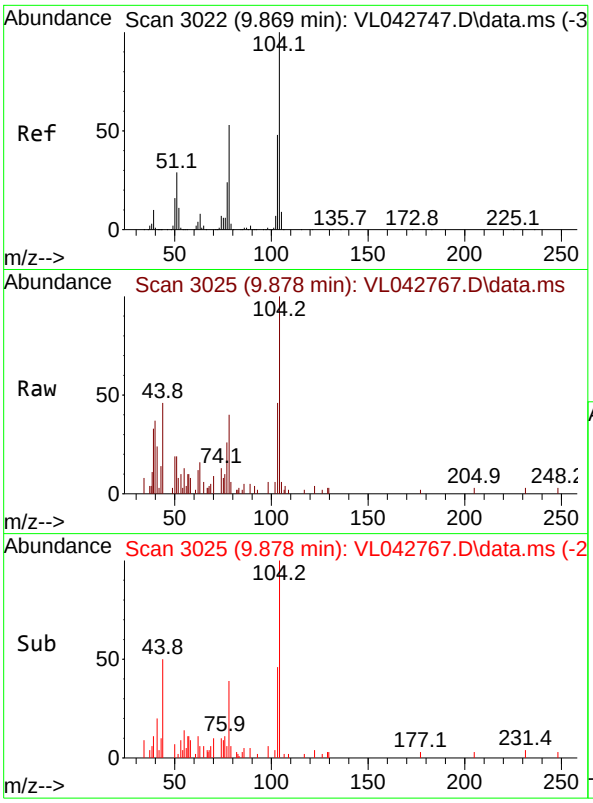


#60
o-Xylene
Concen: 0.115 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 91 Resp: 5451

Ion	Ratio	Lower	Upper
91	100		
106	43.9	22.0	66.0

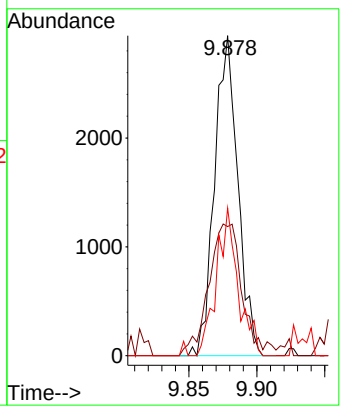




#61
Styrene
Concen: 0.175 ppbv m
RT: 9.878 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:104 Resp: 350

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.5	62.3#
103	0.0	37.5	56.3#



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations
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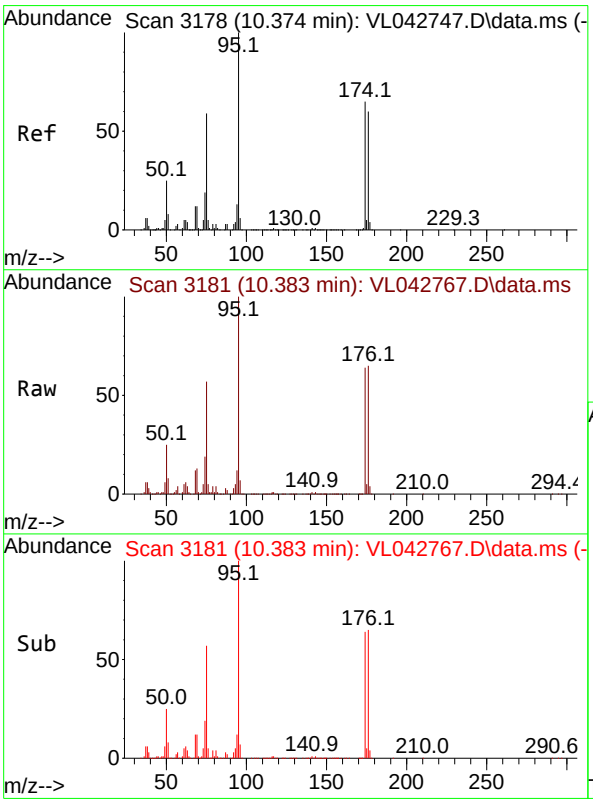
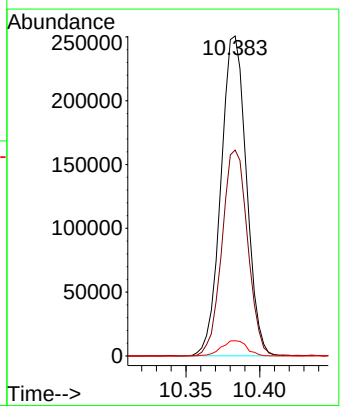
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

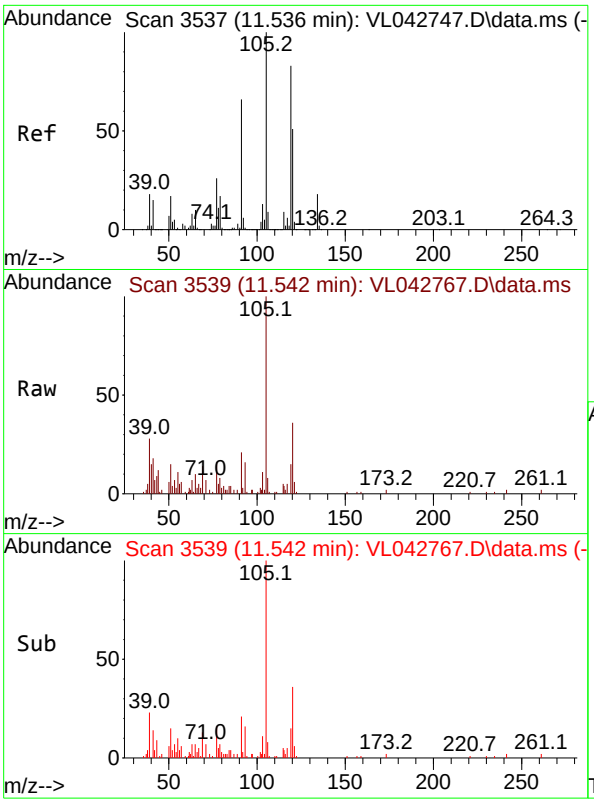


#68
1-Bromo-4-Fluorobenzene
Concen: 10.044 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 95 Resp: 300204

Ion	Ratio	Lower	Upper
95	100		
174	65.3	53.8	80.6
175	4.8	4.0	6.0

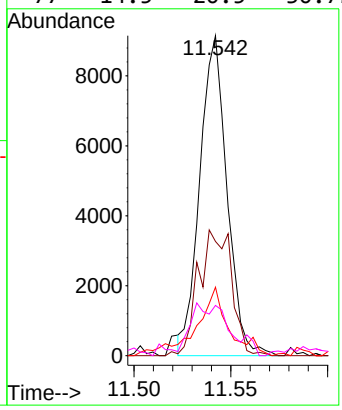




#74
1,2,4-Trimethylbenzene
Concen: 0.175 ppbv
RT: 11.542 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:105 Resp: 893

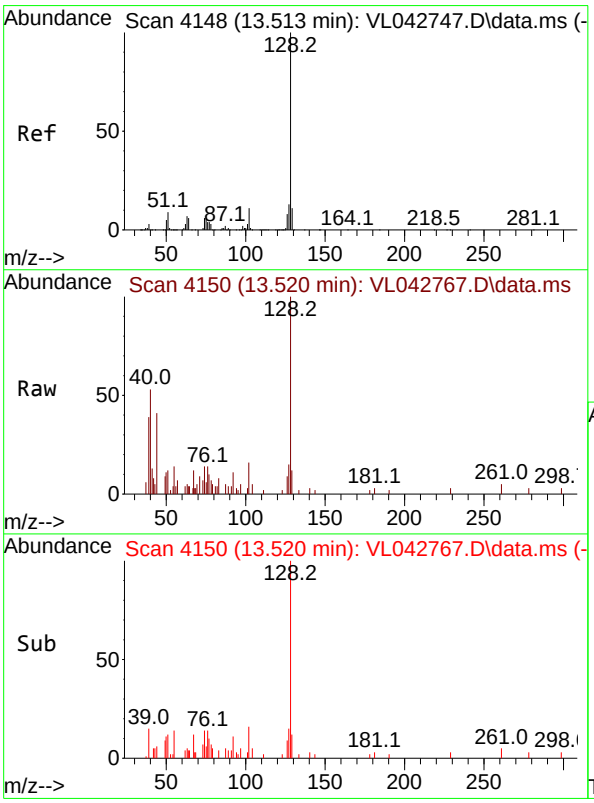
Ion	Ratio	Lower	Upper
105	100		
120	36.0	40.8	61.2#
91	21.0	53.0	79.4#
77	14.5	20.5	30.7#



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Manual Integrations
APPROVED

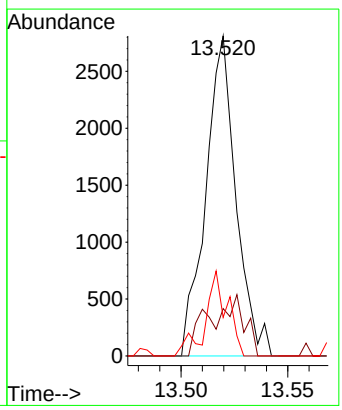
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#79
Naphthalene
Concen: 0.483 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:128 Resp: 2772

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.5	15.7
129	12.1	8.6	13.0



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:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-1DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042768.D	10		07/24/25 16:53	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77	ug/m3
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4	ug/m3
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2	ug/m3
109-99-9	Tetrahydrofuran	0.80	2.36	UD	2.36	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	4.85	15.2	ug/m3
142-82-5	Heptane	1.70	6.97	UD	6.97	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8	ug/m3
67-64-1	Acetone	24.0	57.0	D	4.28	11.9	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0	ug/m3
75-09-2	Methylene Chloride	2.30	7.99	UD	7.99	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	0.56	1.65	UD	1.65	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	1.57	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	3.93	19.8	ug/m3
67-66-3	Chloroform	0.96	4.69	UD	4.69	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	0.87	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4	ug/m3
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	3.76	20.2	ug/m3
79-01-6	Trichloroethene	0.24	1.29	UD	1.29	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1	ug/m3
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	UD	6.03	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-1DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042768.D	10		07/24/25 16:53	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.15	1.02	UD	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0	ug/m3
100-41-4	Ethyl Benzene	1.90	8.25	UD	8.25	21.7	ug/m3
179601-23-1	m/p-Xylene	4.10	17.8	UD	17.8	43.4	ug/m3
95-47-6	o-Xylene	2.10	9.12	UD	9.12	21.7	ug/m3
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3	ug/m3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3	ug/m3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1	ug/m3
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24	ug/m3
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6	ug/m3
110-54-3	Hexane	6.80	24.0	D	5.64	17.6	ug/m3
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7	ug/m3
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0	ug/m3
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			70 (65) - 130 (135)	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	152000		2.794			
540-36-3	1,4-Difluorobenzene	413000		3.965			
3114-55-4	Chlorobenzene-d5	353000		8.888			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-1DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042768.D	10		07/24/25 16:53	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042768.D
Acq On : 24 Jul 2025 16:53
Operator : SY/MD
Sample : Q2671-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.794	49	151863	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	412621	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	353060	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.384	95	275055	9.837	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%				
Target Compounds							Qvalue
9) Propene	1.489	41	41514m	4.367	ppbv		
13) Ethanol	1.726	45	96968	138.940	ppbv		90
15) Acetone	1.839	43	50277	2.398	ppbv		97
19) Isopropyl Alcohol	1.891	45	27840	2.498	ppbv		93
26) Hexane	2.833	57	13749	0.675	ppbv	#	52

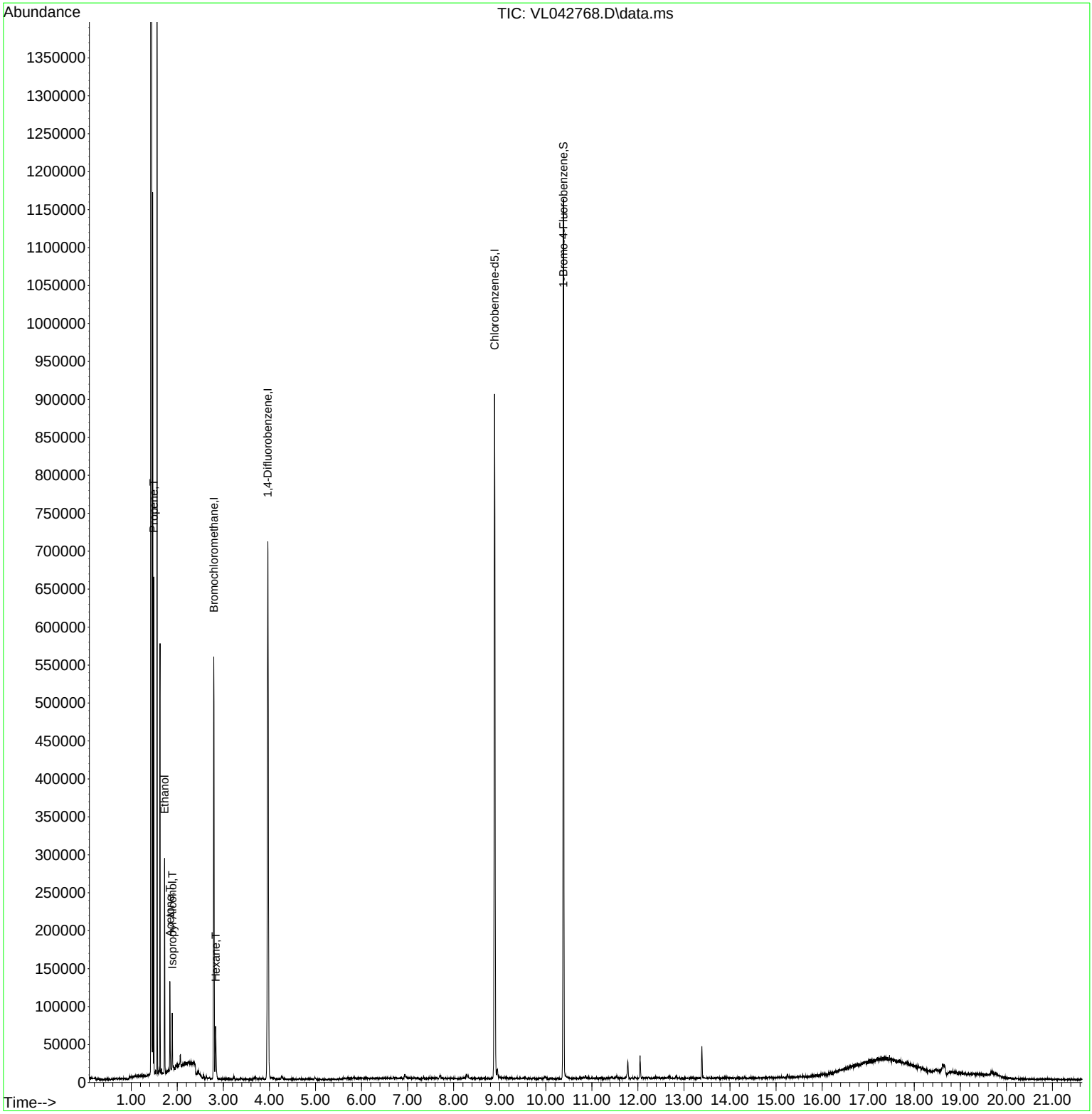
(#) = qualifier out of range (m) = manual integration (+) = signals summed

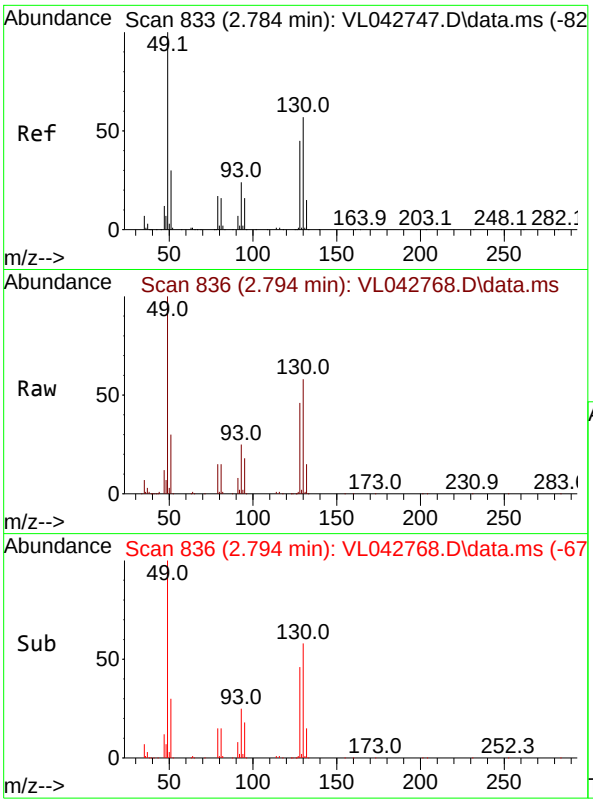
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042768.D
Acq On : 24 Jul 2025 16:53
Operator : SY/MD
Sample : Q2671-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

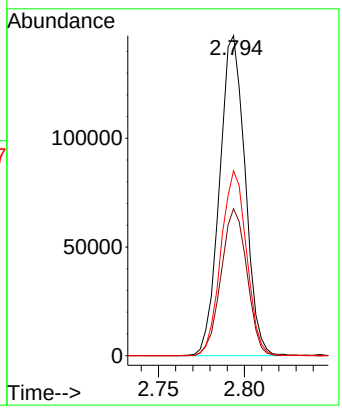




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 49 Resp: 15186

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.6	71.0
130	57.9	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations
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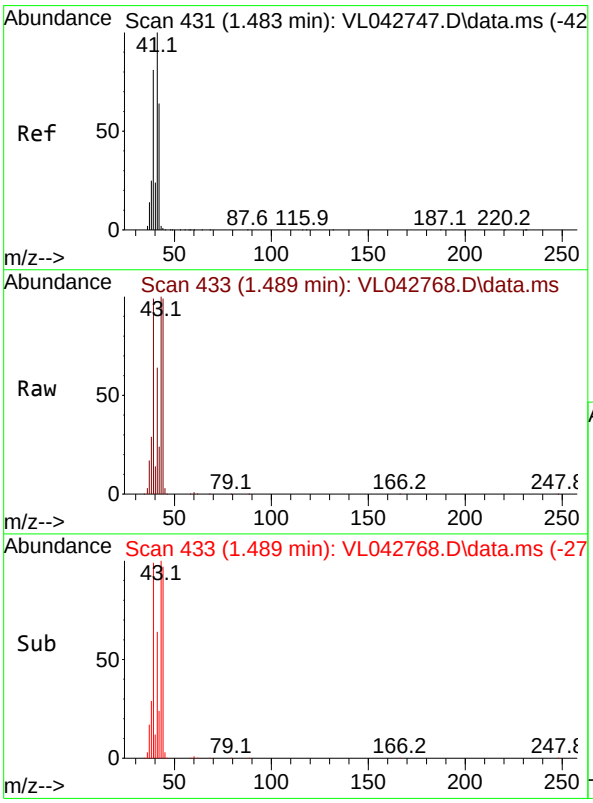
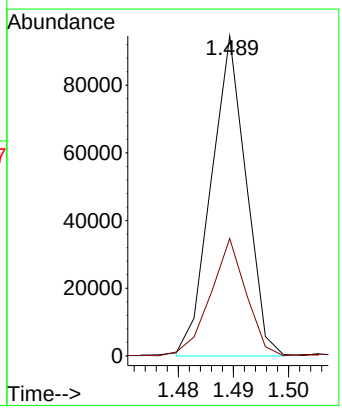
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

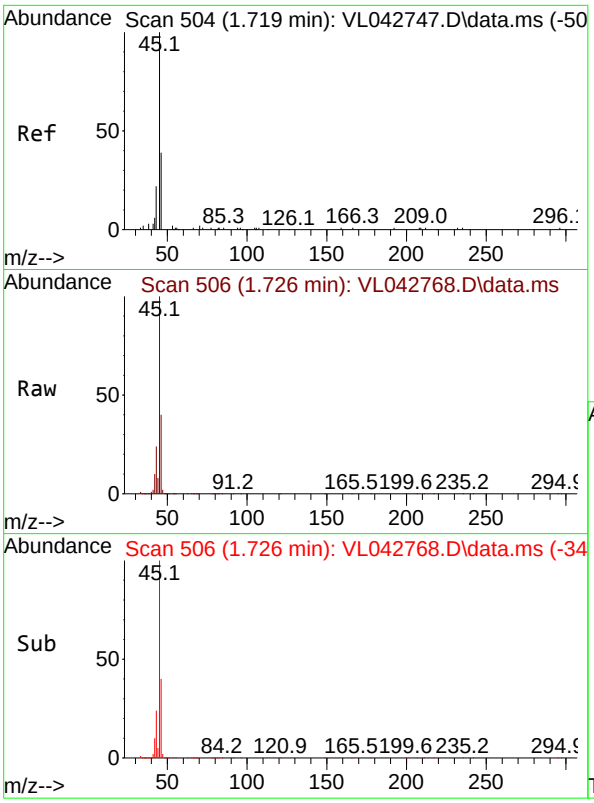


#9
Propene
Concen: 4.367 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 41 Resp: 41514

Ion	Ratio	Lower	Upper
41	100		
42	290.6	53.2	79.8#

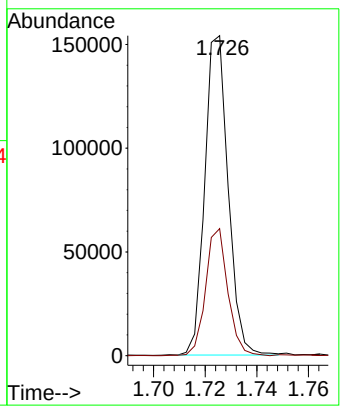




#13
Ethanol
Concen: 138.940 ppbv
RT: 1.726 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 45 Resp: 9696

Ion	Ratio	Lower	Upper
45	100		
46	38.4	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations
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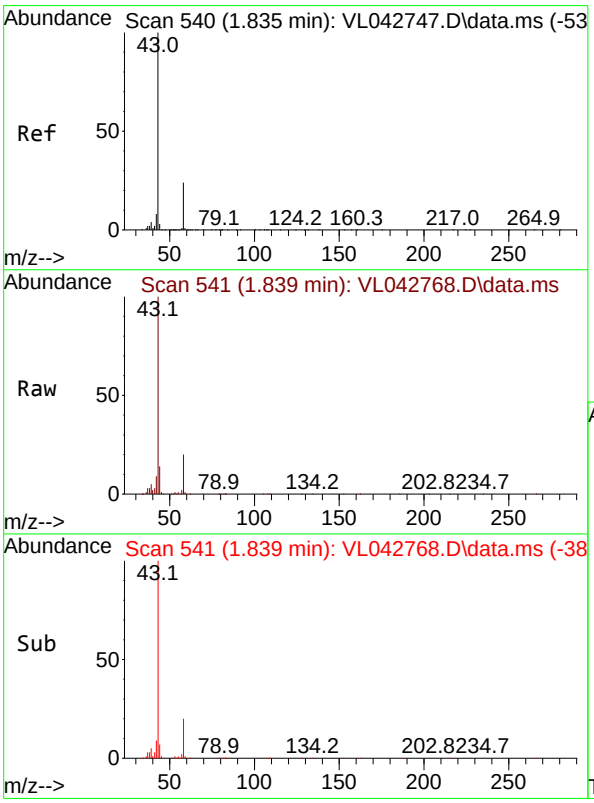
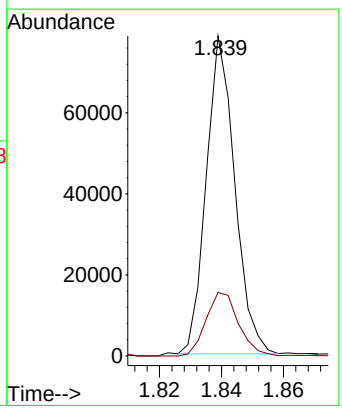
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

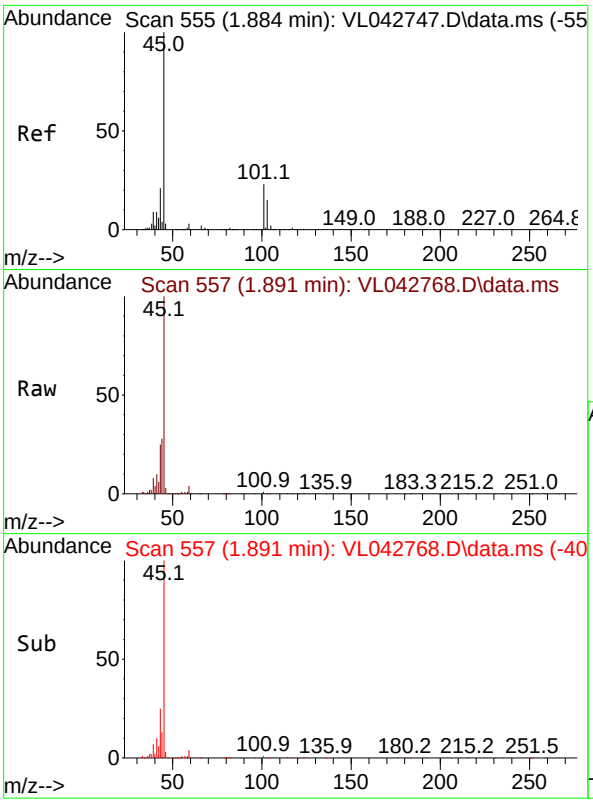


#15
Acetone
Concen: 2.398 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 43 Resp: 50277

Ion	Ratio	Lower	Upper
43	100		
58	23.1	19.8	29.8

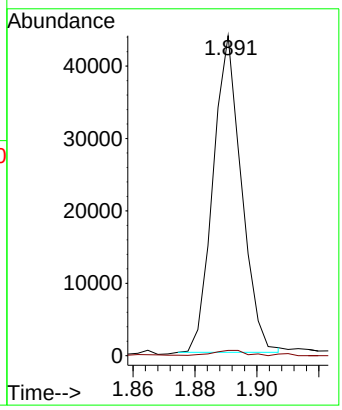




#19
Isopropyl Alcohol
Concen: 2.498 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 45 Resp: 2784

Ion	Ratio	Lower	Upper
45	100		
58	41.7	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations
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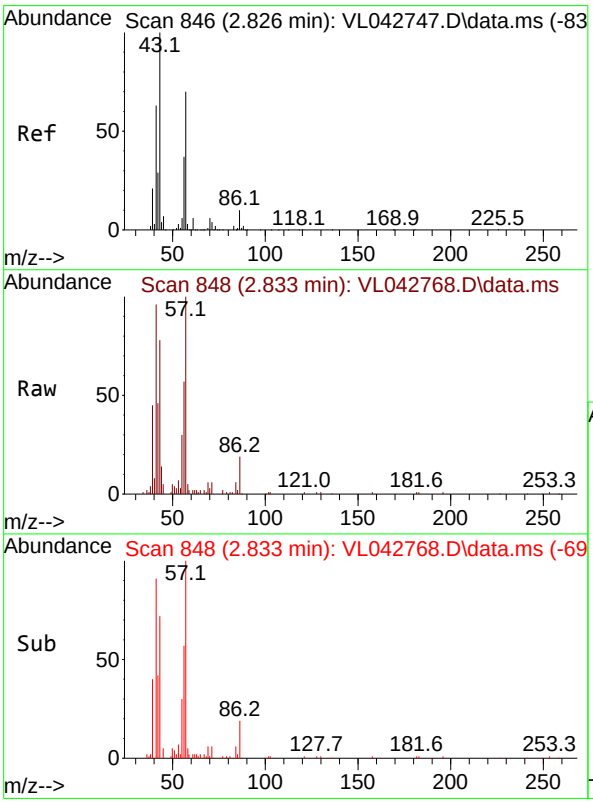
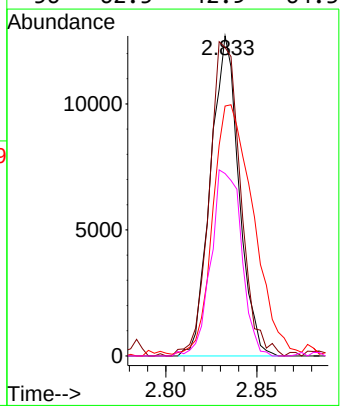
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

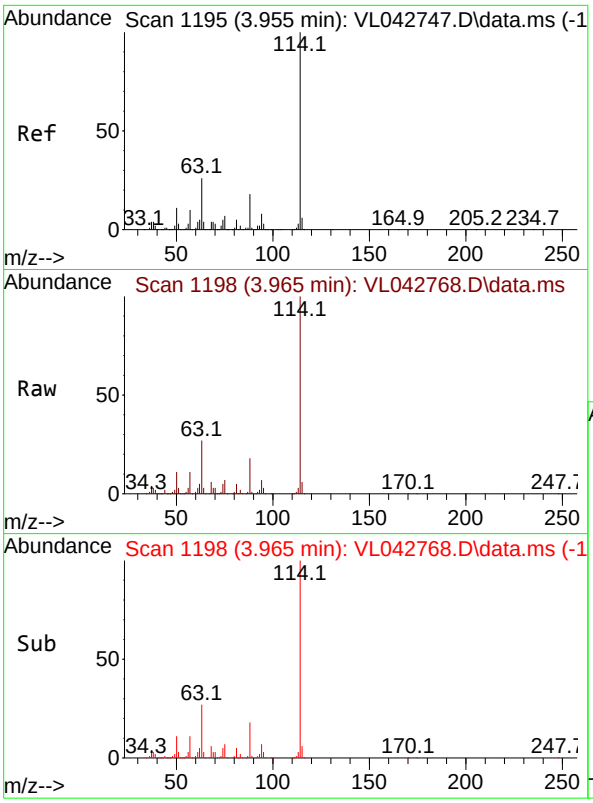


#26
Hexane
Concen: 0.675 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 57 Resp: 13749

Ion	Ratio	Lower	Upper
57	100		
41	109.3	75.4	113.2
43	115.8	185.0	277.6#
56	62.5	42.9	64.3

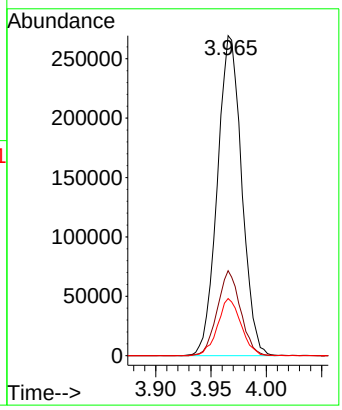




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion:114 Resp: 41262

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.2	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/25/2025
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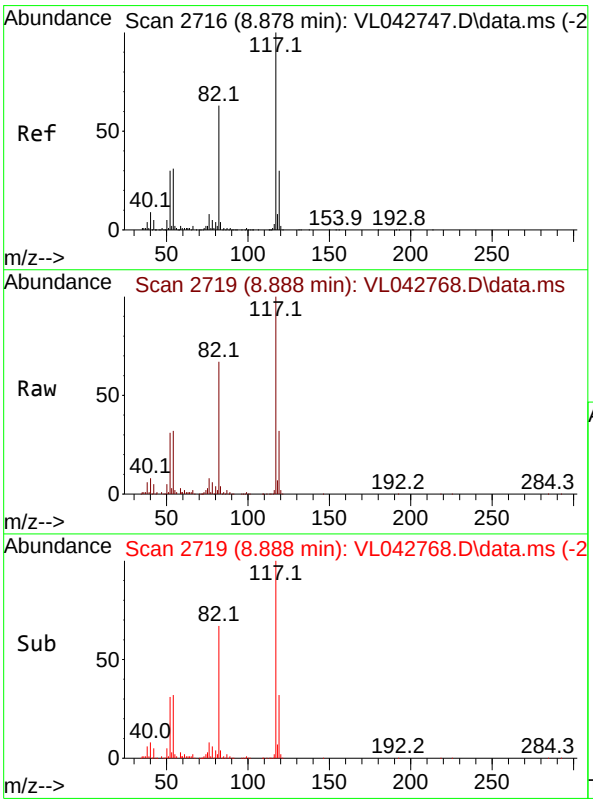
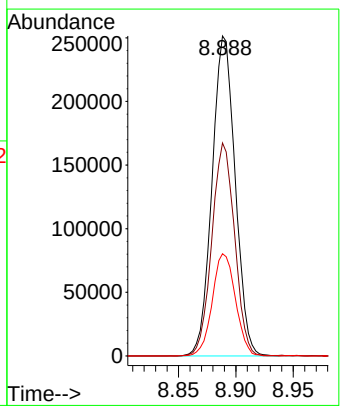
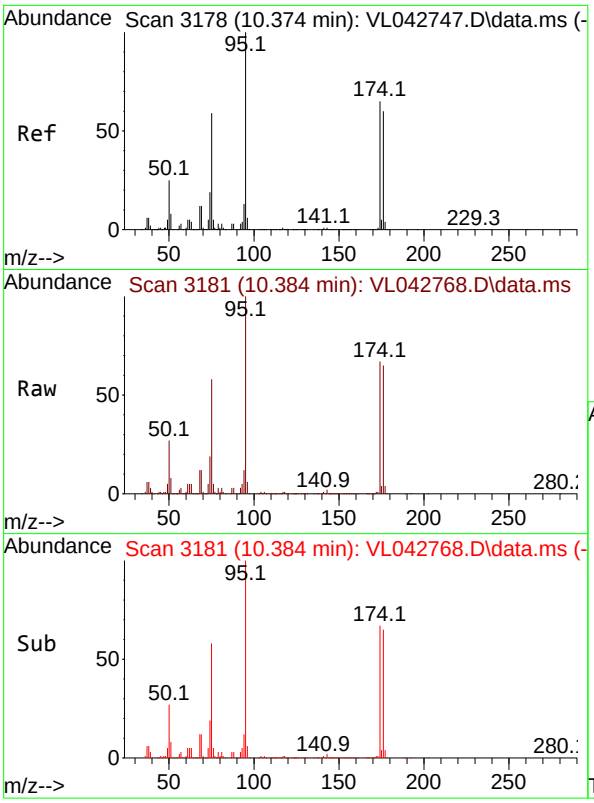


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion:117 Resp: 353060

Ion	Ratio	Lower	Upper
117	100		
82	65.7	53.3	79.9
119	32.0	25.8	38.6

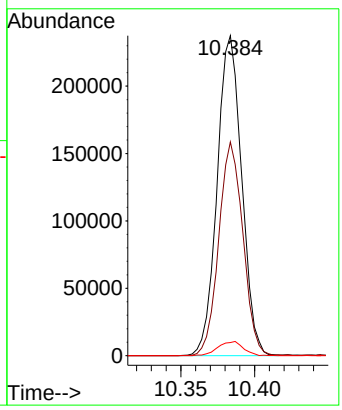




#68
1-Bromo-4-Fluorobenzene
Concen: 9.837 ppbv
RT: 10.384 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 95 Resp: 27505

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.8	80.6
175	4.6	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

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:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-2	SDG No.:	Q2671
Lab Sample ID:	Q2671-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042769.D	1		07/24/25 17:29	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.41	2.03	J	0.54	2.47	ug/m3
74-87-3	Chloromethane	0.78	1.61		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.74	3.03		0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	45.0	107	E	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.60	2.08		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	1.10	3.24		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.11	0.69		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.66	3.22		0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.26	1.42		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.26	0.83	J	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	1.10	4.45		0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	1.60	6.03		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-2	SDG No.:	Q2671
Lab Sample ID:	Q2671-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042769.D	1		07/24/25 17:29	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.45	3.05		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.21	0.91	J	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.51	2.22	J	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.23	1.00	J	0.91	2.17	ug/m3
100-42-5	Styrene	0.58	2.47		0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.23	1.13	J	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.53	2.78		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	6.40	22.6		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			70 (65) - 130 (135)	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	152000		2.787			
540-36-3	1,4-Difluorobenzene	411000		3.959			
3114-55-4	Chlorobenzene-d5	378000		8.882			

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-2	SDG No.:	Q2671
Lab Sample ID:	Q2671-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042769.D	1		07/24/25 17:29	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042769.D
Acq On : 24 Jul 2025 17:29
Operator : SY/MD
Sample : Q2671-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:29:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	152144	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	410938	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	378371	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	304041	10.147	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	8186	0.407	ppbv		95
4) Chloromethane	1.531	50	6378	0.784	ppbv		91
9) Propene	1.486	41	380397m	39.942	ppbv		
10) Heptane	4.985	43	19067m	0.742	ppbv		
11) Trichlorofluoromethane	1.877	101	4820	0.232	ppbv		90
13) Ethanol	1.725	45	2117174	3051.926	ppbv		90
15) Acetone	1.835	43	944712	44.968	ppbv		99
19) Isopropyl Alcohol	1.887	45	458535	41.072	ppbv	#	76
20) Methylene Chloride	2.062	84	3980m	0.601	ppbv		
25) Ethyl Acetate	2.832	43	238601	5.131	ppbv	#	95
26) Hexane	2.829	57	130342	6.389	ppbv	#	82
29) Chloroform	2.848	83	20783	0.659	ppbv		99
32) 1,1,1-Trichloroethane	3.370	97	8467	0.258	ppbv	#	89
34) 2-Butanone	2.557	43	32227	1.107	ppbv		97
35) Carbon Tetrachloride	3.764	117	3384m	0.111	ppbv		
36) Benzene	3.661	78	10259m	0.263	ppbv		
37) 1,2-Dichloroethane	3.221	62	25795	1.099	ppbv		97
52) Tetrachloroethene	8.228	164	7237	0.448	ppbv		93
53) Toluene	6.936	91	66216	1.583	ppbv		99
58) Ethyl Benzene	9.354	91	12289	0.206	ppbv		94
59) m/p-Xylene	9.535	91	24196m	0.507	ppbv		
60) o-Xylene	9.966	91	10717	0.225	ppbv		97
61) Styrene	9.869	104	11559	0.576	ppbv		93
74) 1,2,4-Trimethylbenzene	11.539	105	11842	0.231	ppbv	#	69
79) Naphthalene	13.516	128	5307	0.526	ppbv	#	83

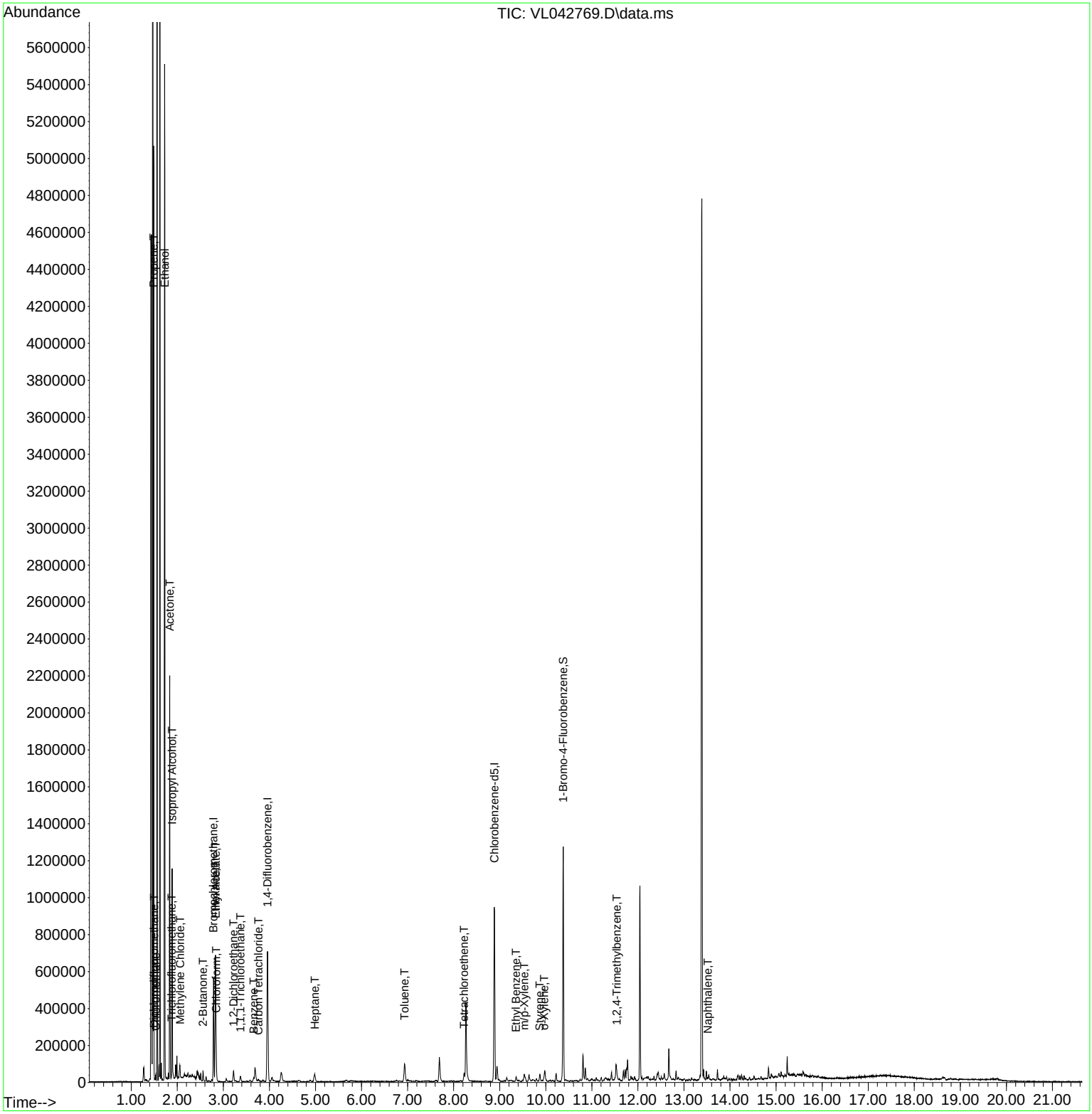
(#) = qualifier out of range (m) = manual integration (+) = signals summed

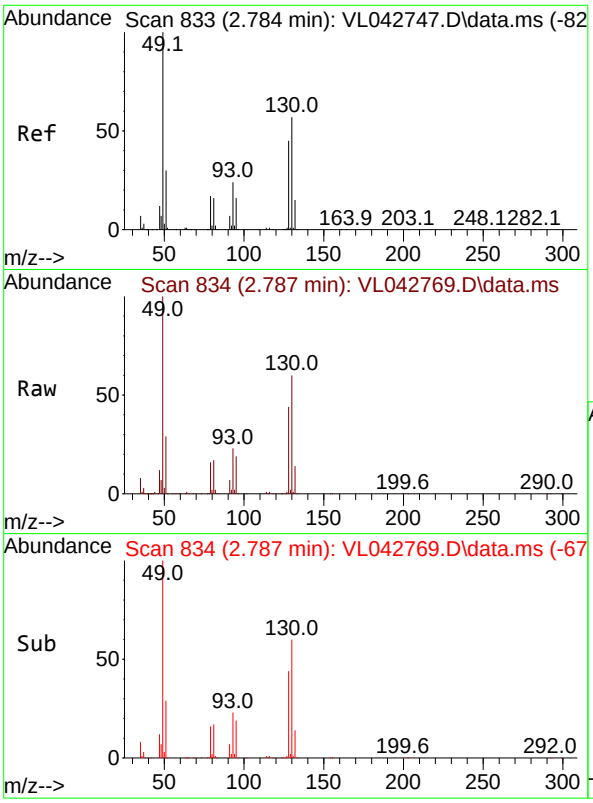
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042769.D
Acq On : 24 Jul 2025 17:29
Operator : SY/MD
Sample : Q2671-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:29:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

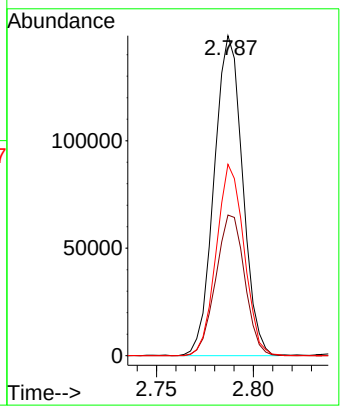




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 49 Resp: 15214

Ion	Ratio	Lower	Upper
49	100		
128	44.7	23.6	71.0
130	58.3	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

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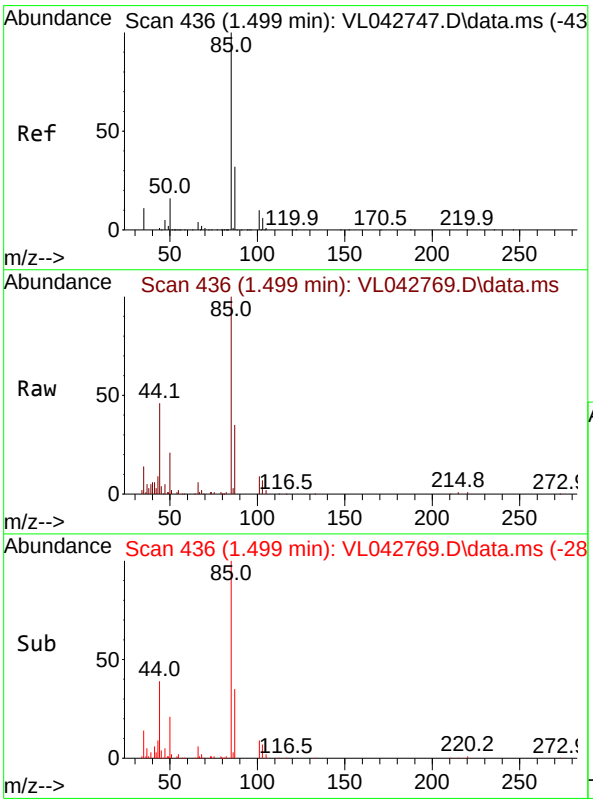
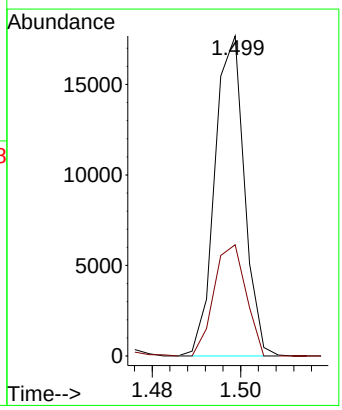
Supervised By :Mahesh Dadoda 07/26/2025

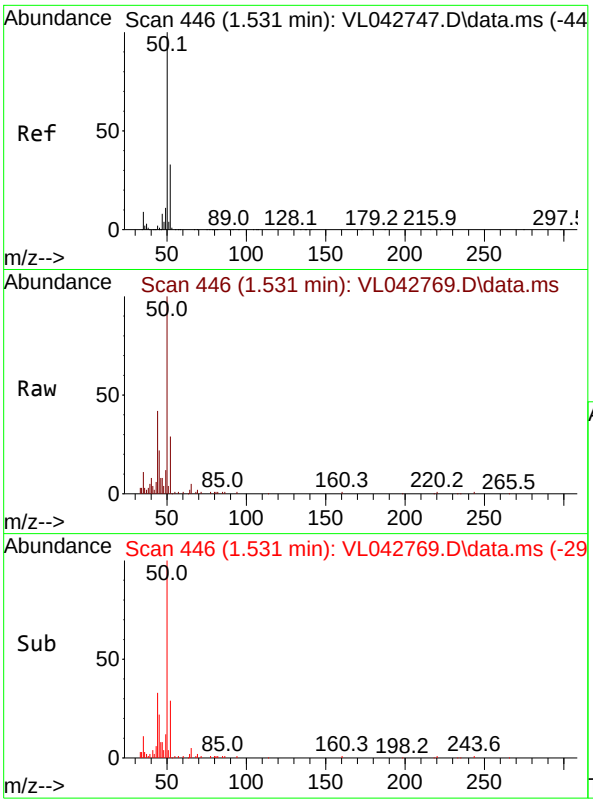


#2
Dichlorodifluoromethane
Concen: 0.407 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 85 Resp: 8186

Ion	Ratio	Lower	Upper
85	100		
87	34.8	25.4	38.2

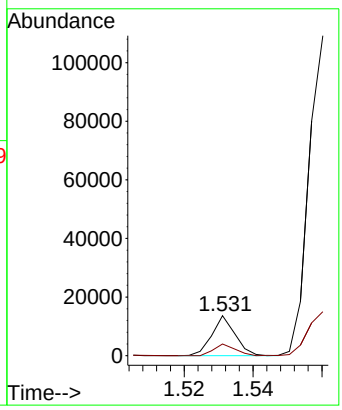




#4
Chloromethane
Concen: 0.784 ppbv
RT: 1.531 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 50 Resp: 637

Ion	Ratio	Lower	Upper
50	100		
52	28.1	26.6	40.0



Instrument :
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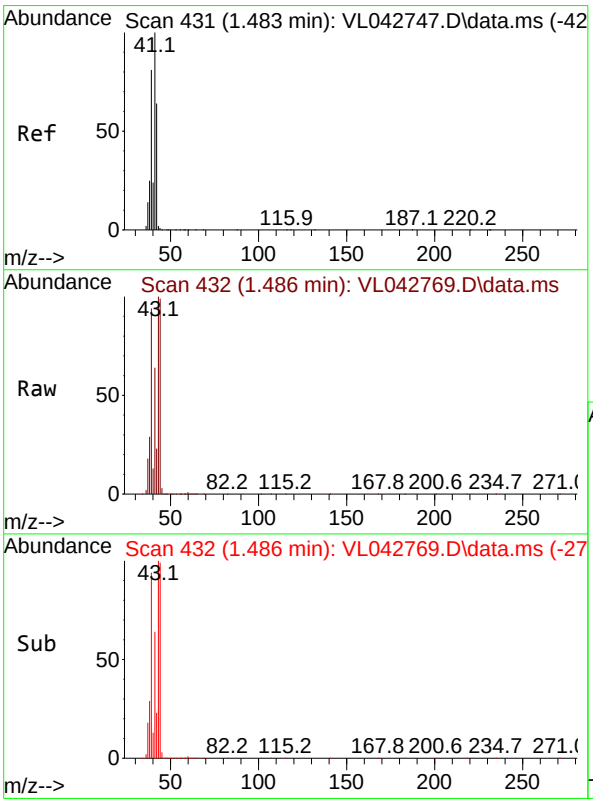
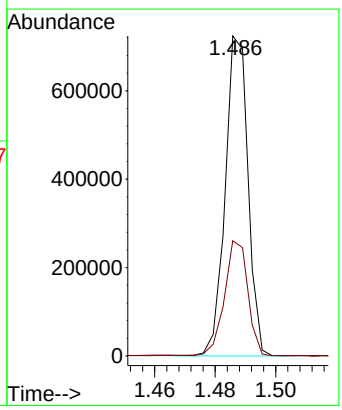
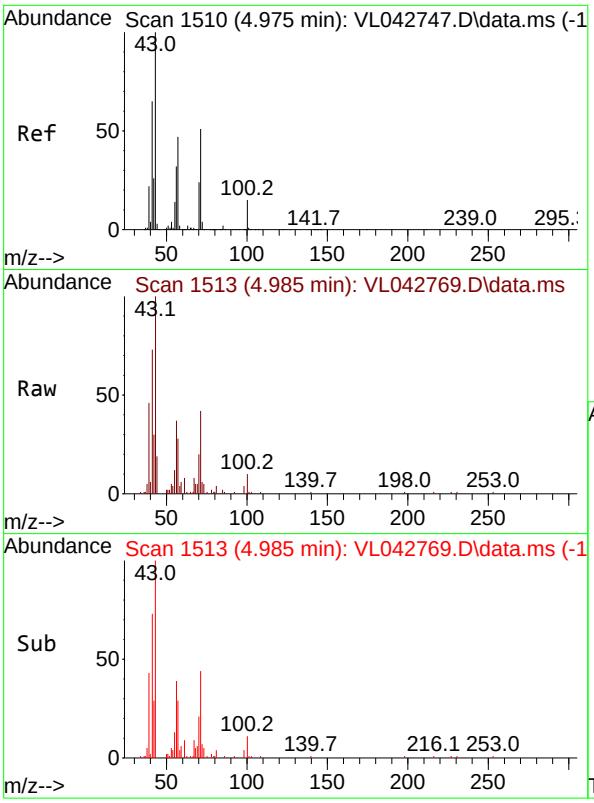


#9
Propene
Concen: 39.942 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 41 Resp: 380397

Ion	Ratio	Lower	Upper
41	100		
42	332.7	53.2	79.8#

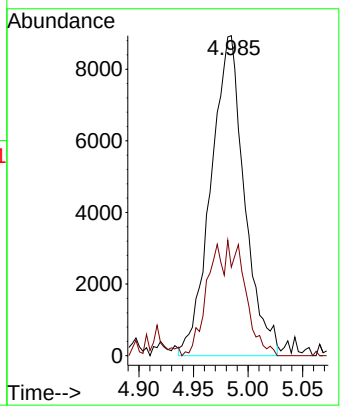




#10
Heptane
Concen: 0.742 ppbv m
RT: 4.985 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 1906

Ion	Ratio	Lower	Upper
43	100		
57	38.5	39.9	59.9



Instrument :
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ClientSampleId :
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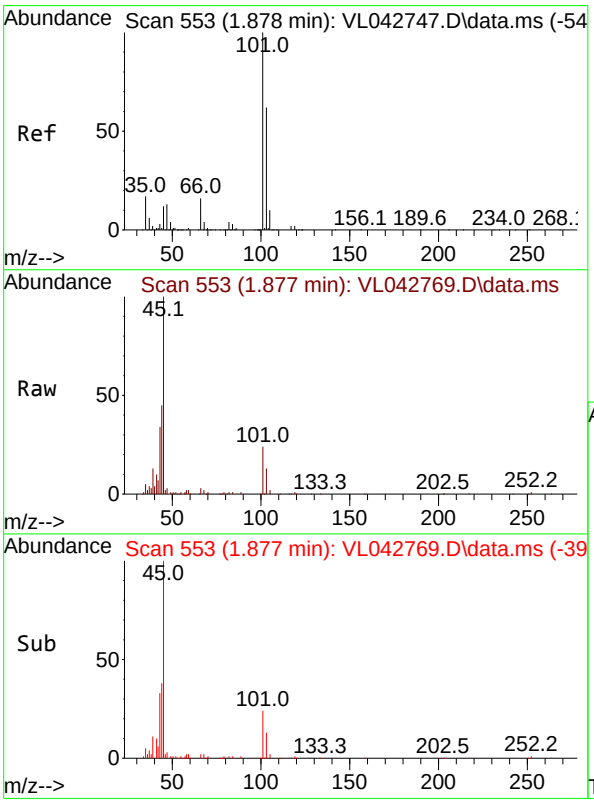
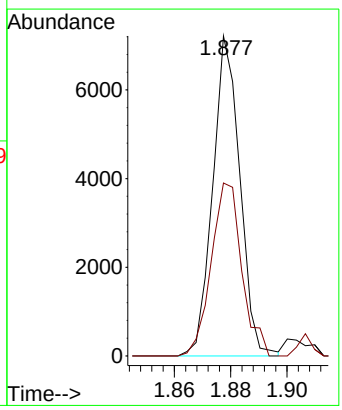
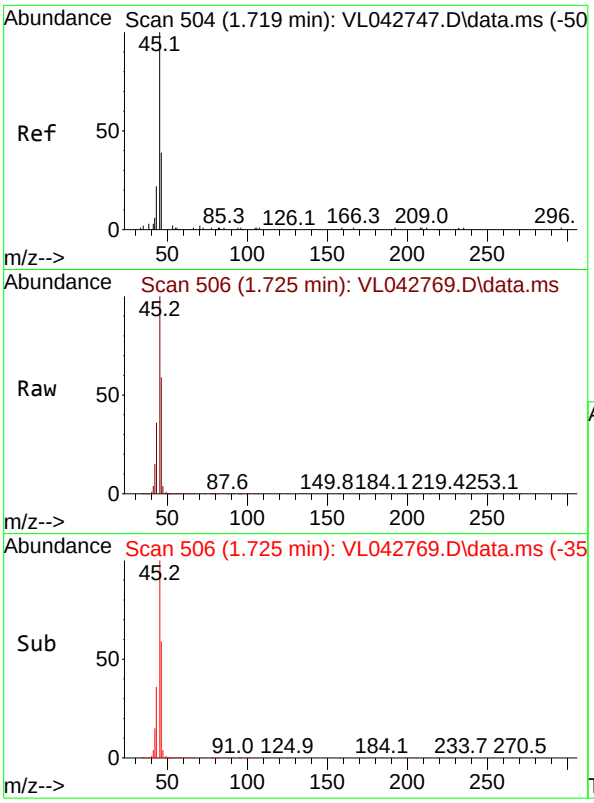


#11
Trichlorofluoromethane
Concen: 0.232 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:101 Resp: 4820

Ion	Ratio	Lower	Upper
101	100		
103	54.0	49.6	74.4

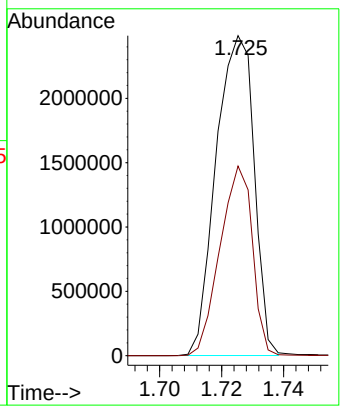




#13
Ethanol
Concen: 3051.926 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 45 Resp: 211717

Ion	Ratio	Lower	Upper
45	100		
46	50.8	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
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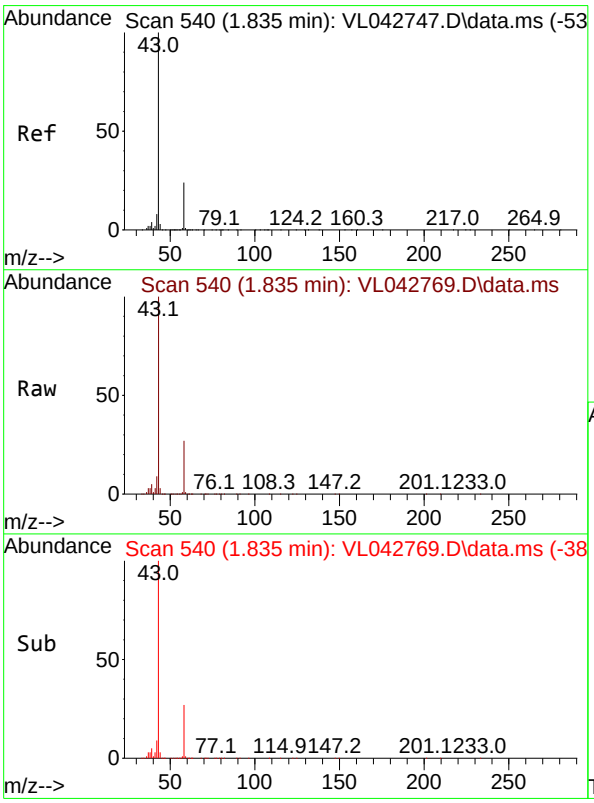
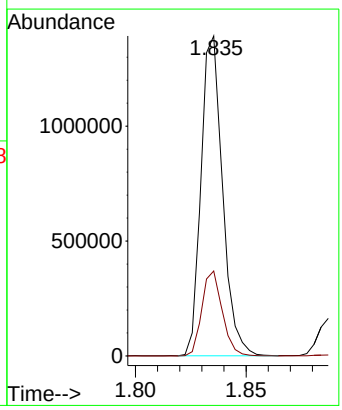
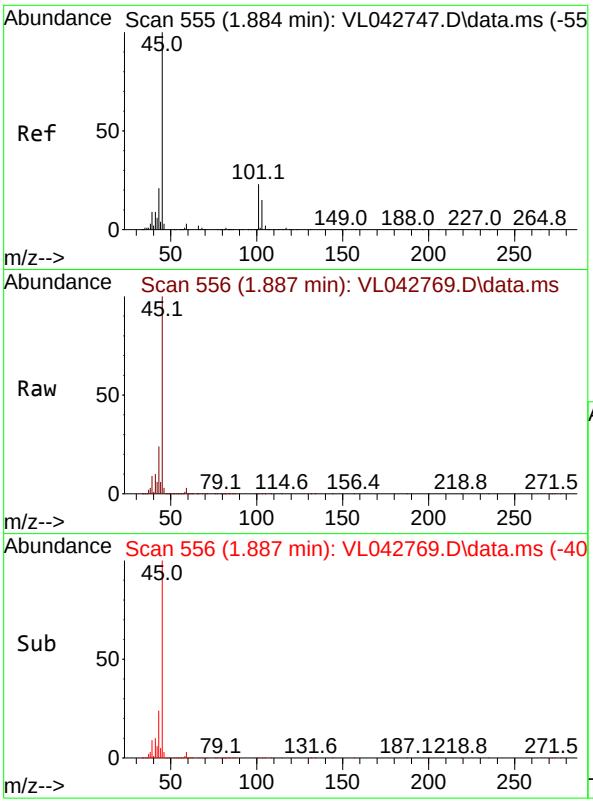


#15
Acetone
Concen: 44.968 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 944712

Ion	Ratio	Lower	Upper
43	100		
58	25.1	19.8	29.8

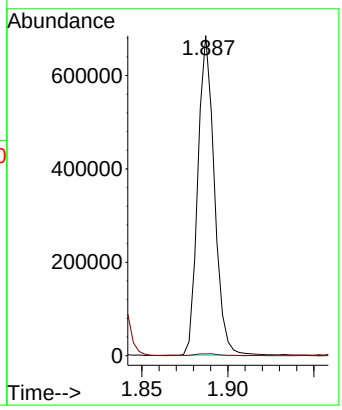




#19
Isopropyl Alcohol
Concen: 41.072 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 45 Resp: 45853

Ion	Ratio	Lower	Upper
45	100		
58	51.8	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

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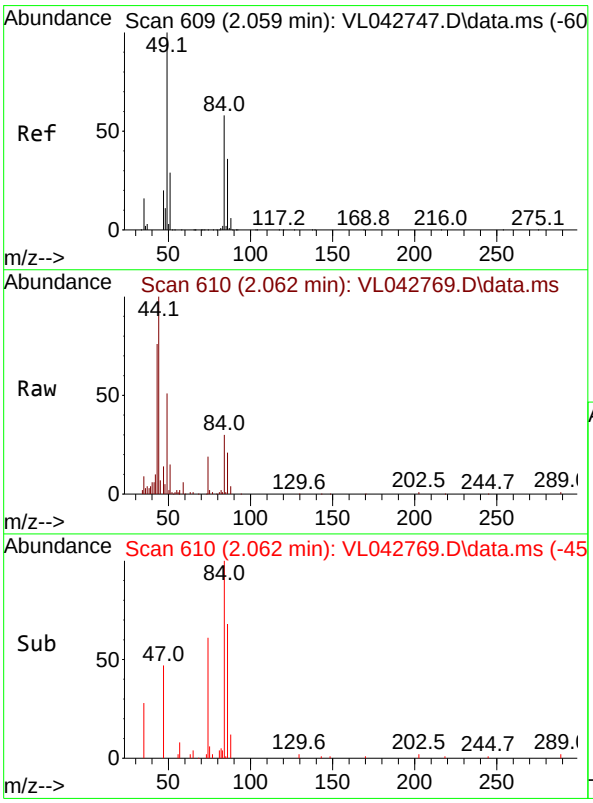
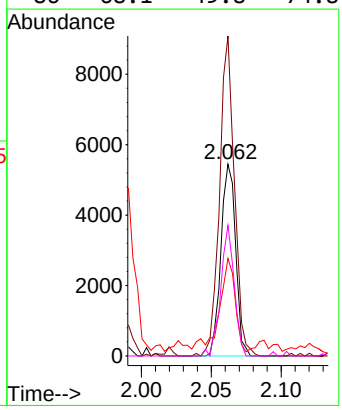
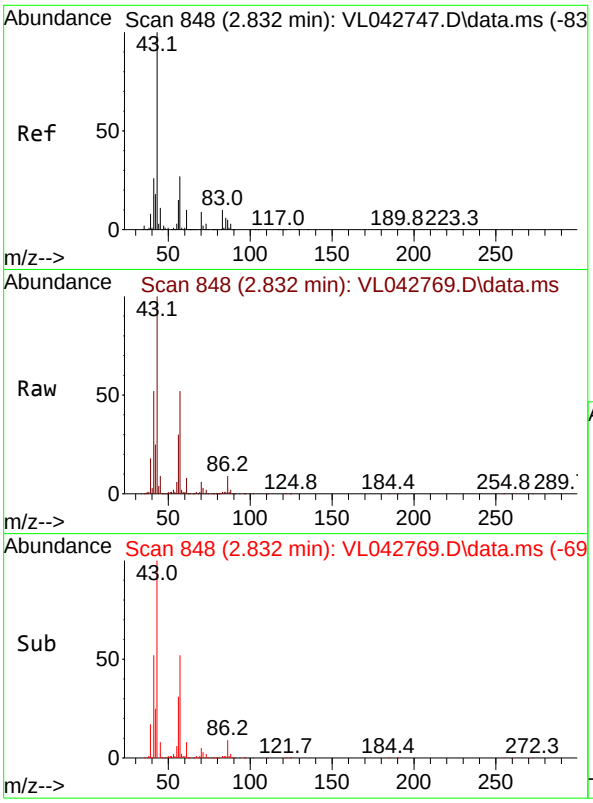


#20
Methylene Chloride
Concen: 0.601 ppbv m
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 84 Resp: 3980

Ion	Ratio	Lower	Upper
84	100		
49	166.9	138.6	208.0
51	50.8	40.6	61.0
86	68.1	49.8	74.8

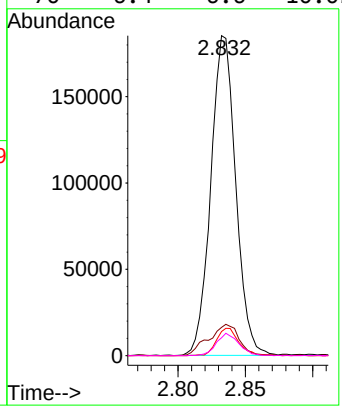




#25
Ethyl Acetate
Concen: 5.131 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 23860

Ion	Ratio	Lower	Upper
43	100		
45	12.2	7.8	11.6#
61	7.8	6.7	10.1
70	6.4	6.6	10.0#



Instrument :
MSVOA_L
ClientSampleId :
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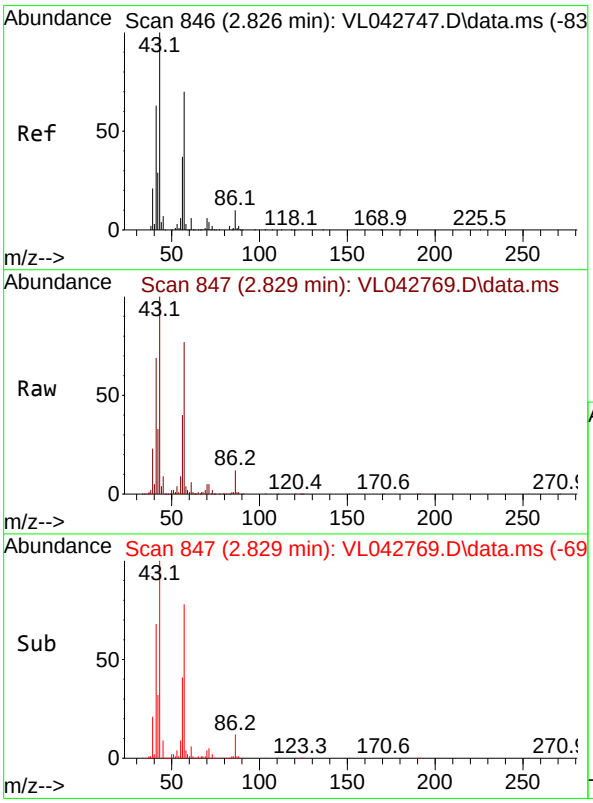
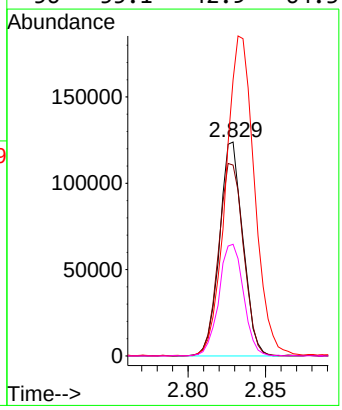
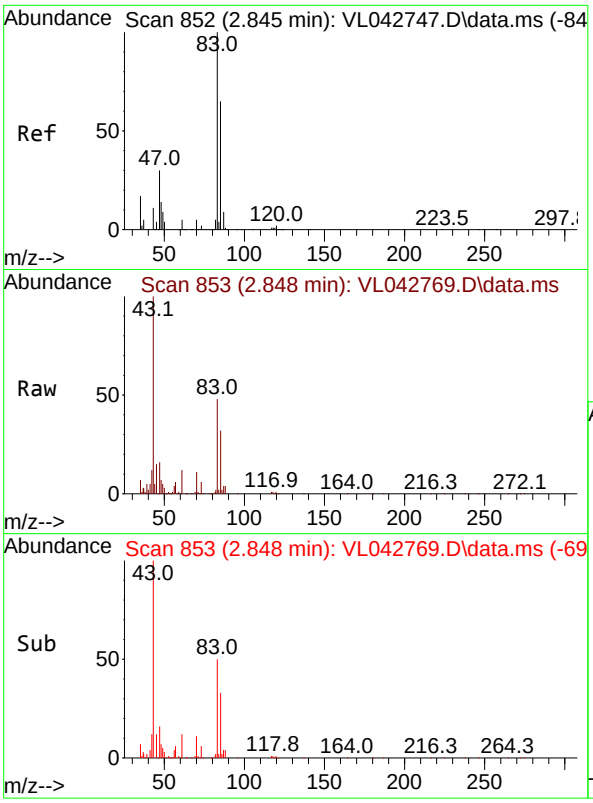


#26
Hexane
Concen: 6.389 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 57 Resp: 130342

Ion	Ratio	Lower	Upper
57	100		
41	96.2	75.4	113.2
43	184.3	185.0	277.6#
56	55.1	42.9	64.3





#29
Chloroform
Concen: 0.659 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 83 Resp: 2078

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.2

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

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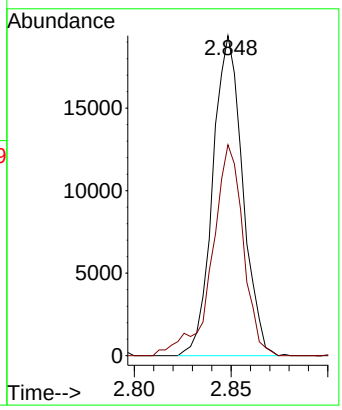
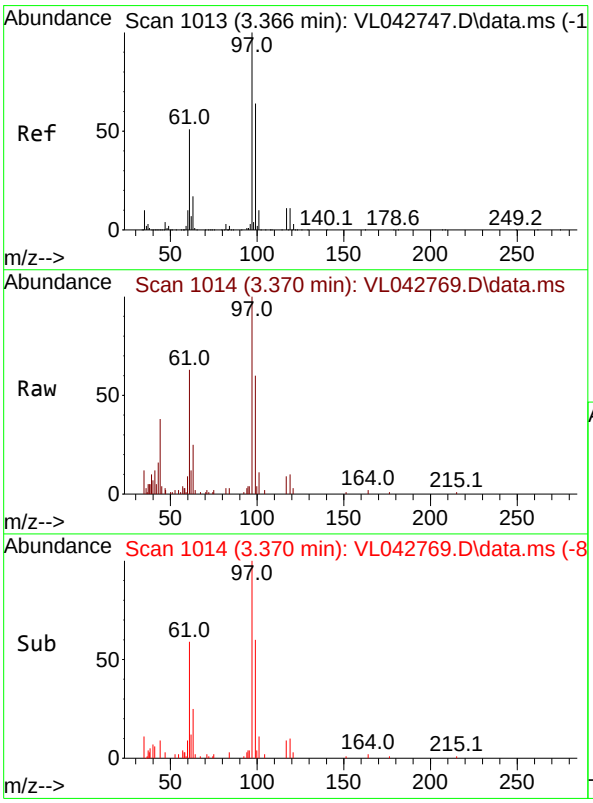
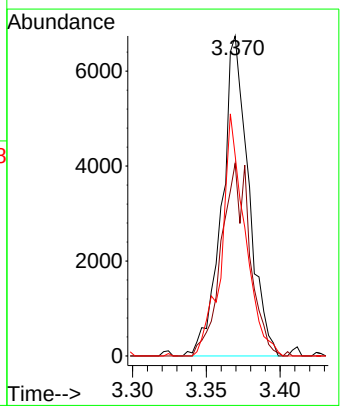


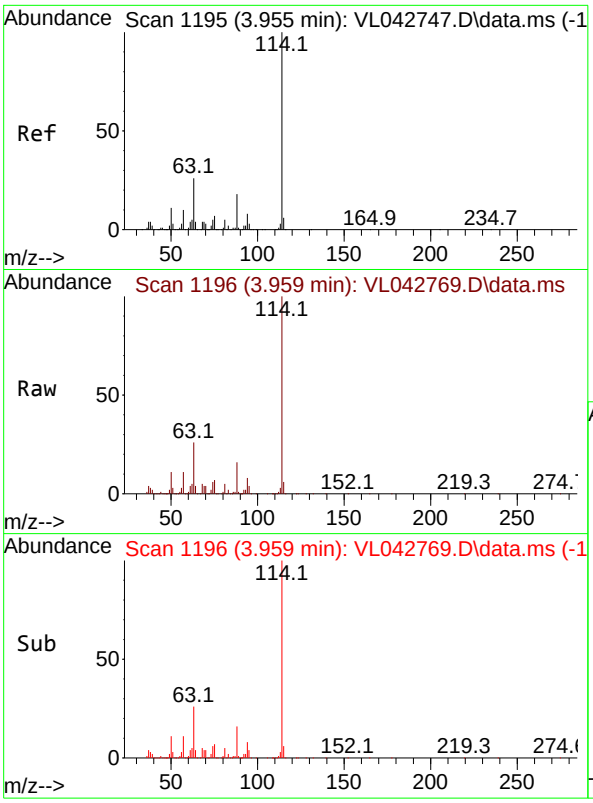


#32
1,1,1-Trichloroethane
Concen: 0.258 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 97 Resp: 8467

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	66.6	40.9	61.3#

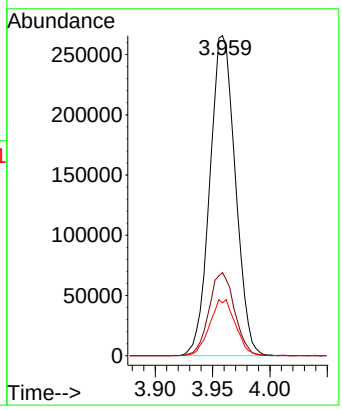




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:114 Resp: 41093

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.5	30.7
88	17.8	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
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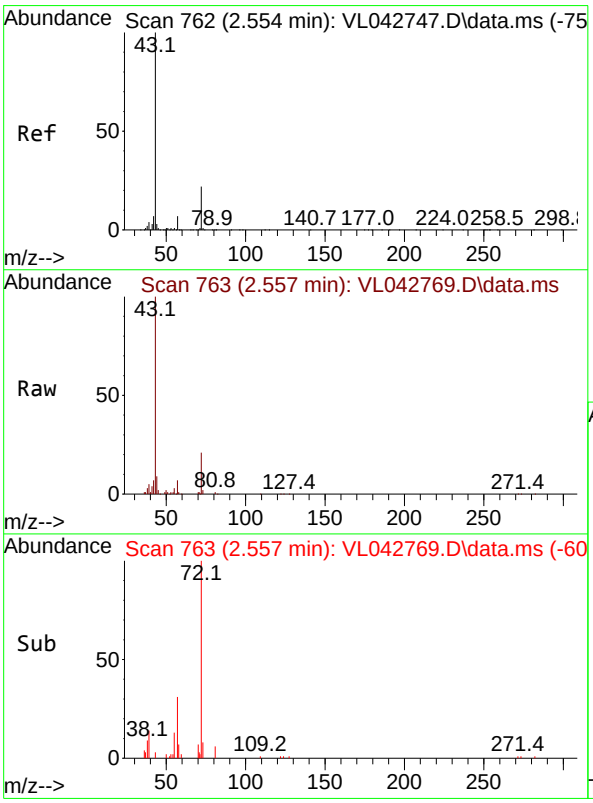
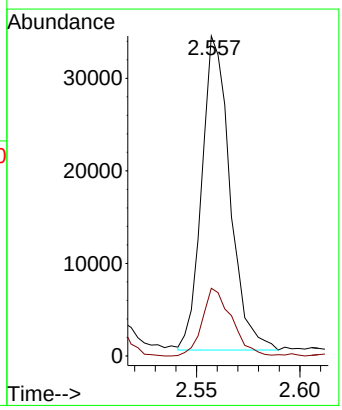
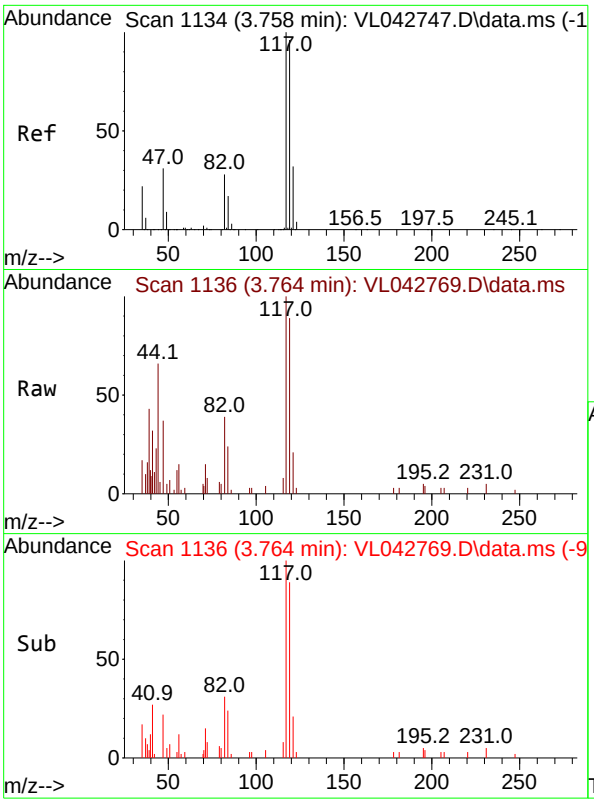


#34
2-Butanone
Concen: 1.107 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 32227

Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.4	26.0

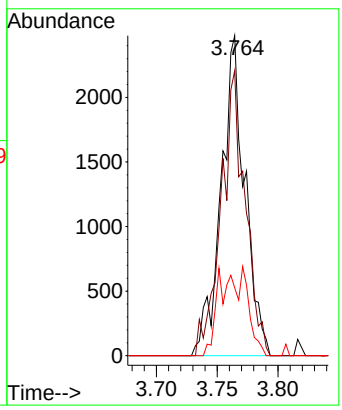




#35
Carbon Tetrachloride
Concen: 0.111 ppbv m
RT: 3.764 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:117 Resp: 338

Ion	Ratio	Lower	Upper
117	100		
119	89.0	77.1	115.7
121	21.3	25.5	38.3#



Instrument :
MSVOA_L
ClientSampleId :
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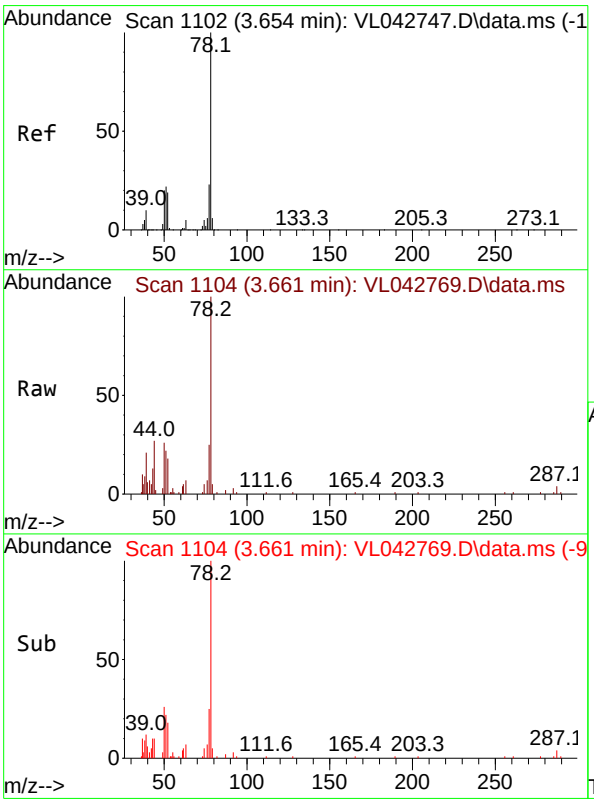
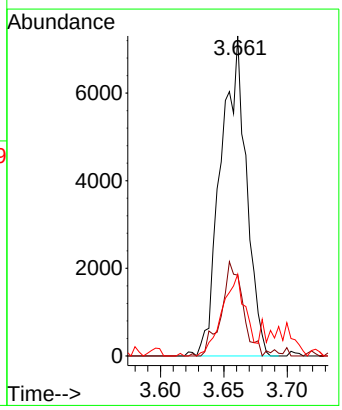
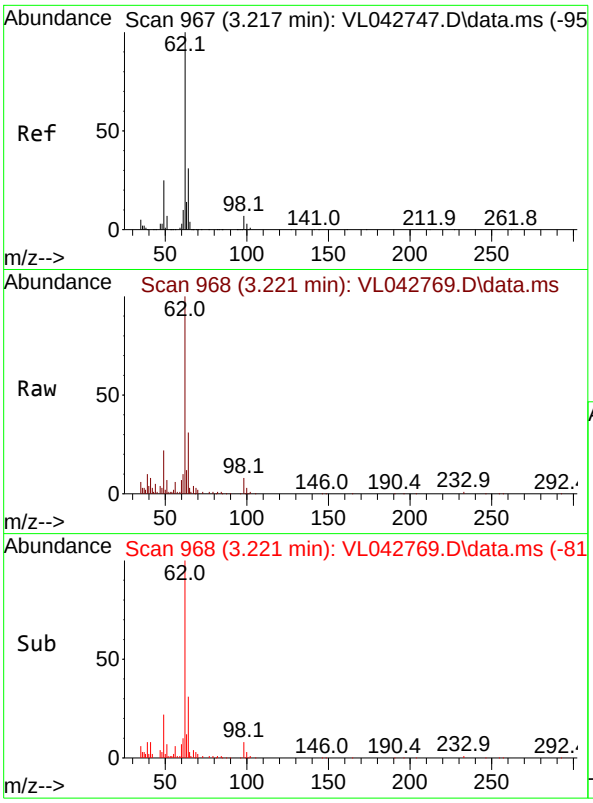


#36
Benzene
Concen: 0.263 ppbv m
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 78 Resp: 10259

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.5	27.7
50	25.5	16.2	24.2#

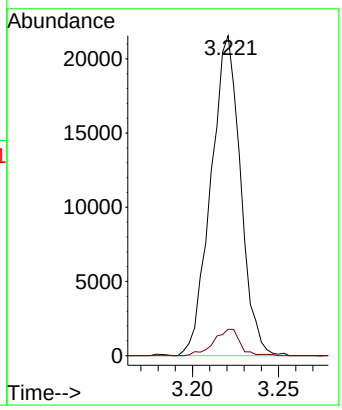




#37
1,2-Dichloroethane
Concen: 1.099 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 62 Resp: 2579

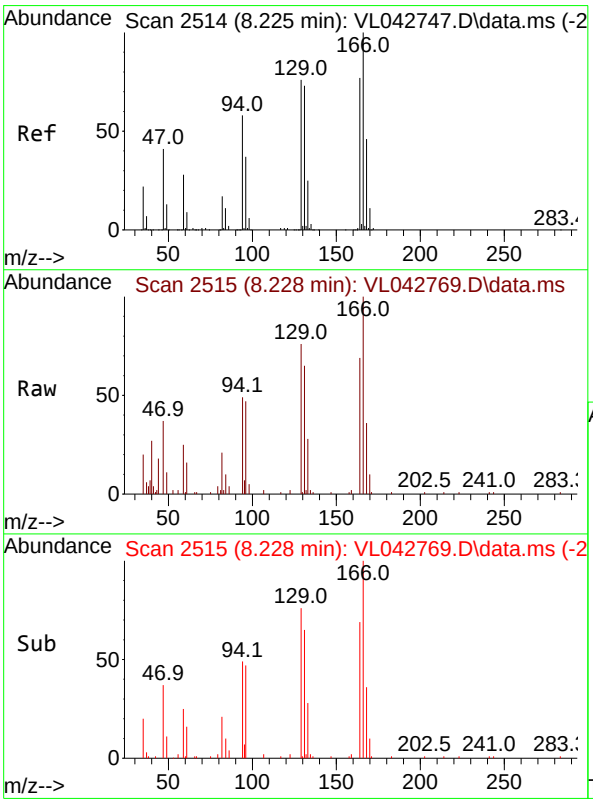
Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations
APPROVED

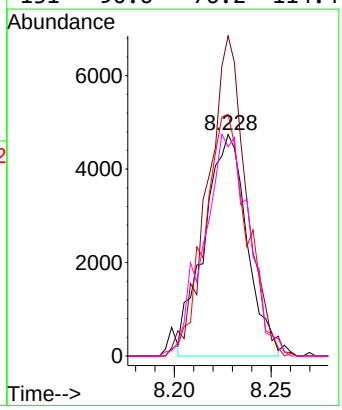
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

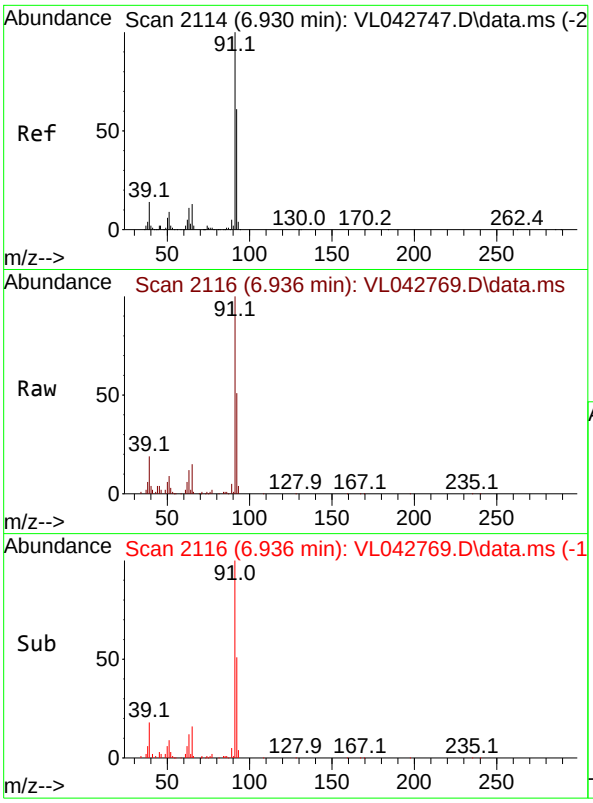


#52
Tetrachloroethene
Concen: 0.448 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:164 Resp: 7237

Ion	Ratio	Lower	Upper
164	100		
166	138.9	104.0	156.0
129	108.0	79.2	118.8
131	90.6	76.2	114.4

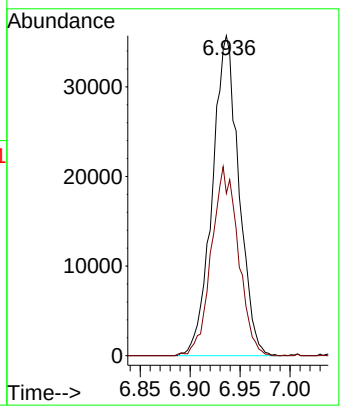




#53
Toluene
Concen: 1.583 ppbv
RT: 6.936 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 6621

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations
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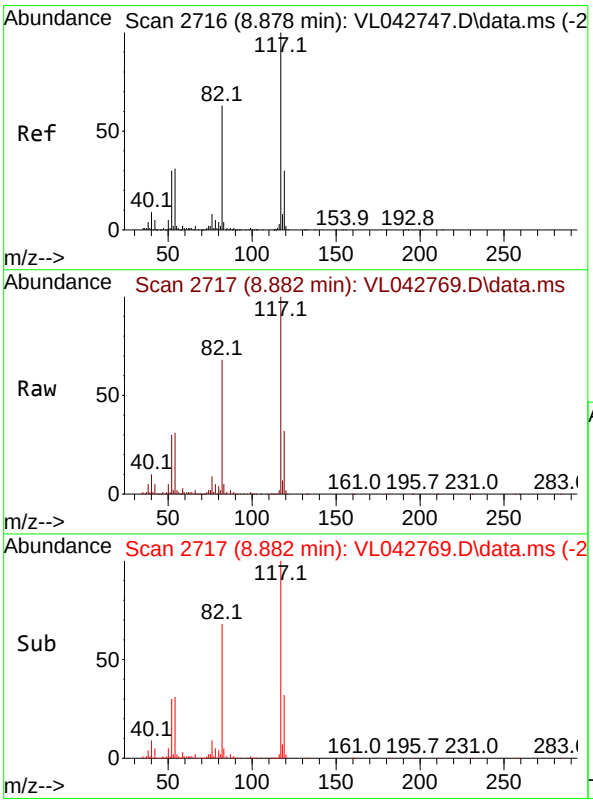
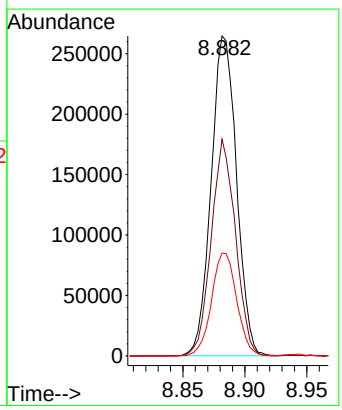
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

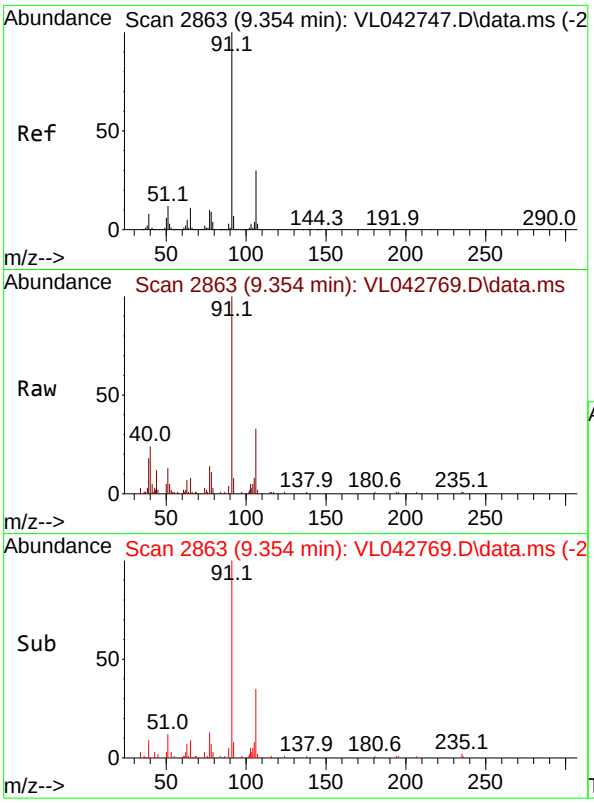


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:117 Resp: 378371

Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.3	79.9
119	32.0	25.8	38.6

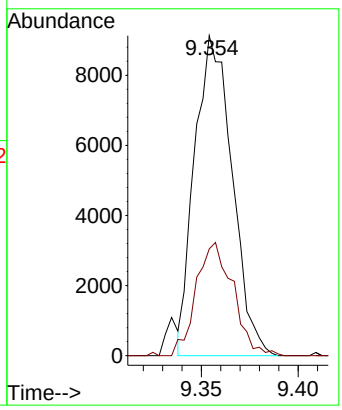




#58
Ethyl Benzene
Concen: 0.206 ppbv
RT: 9.354 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 1228

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations
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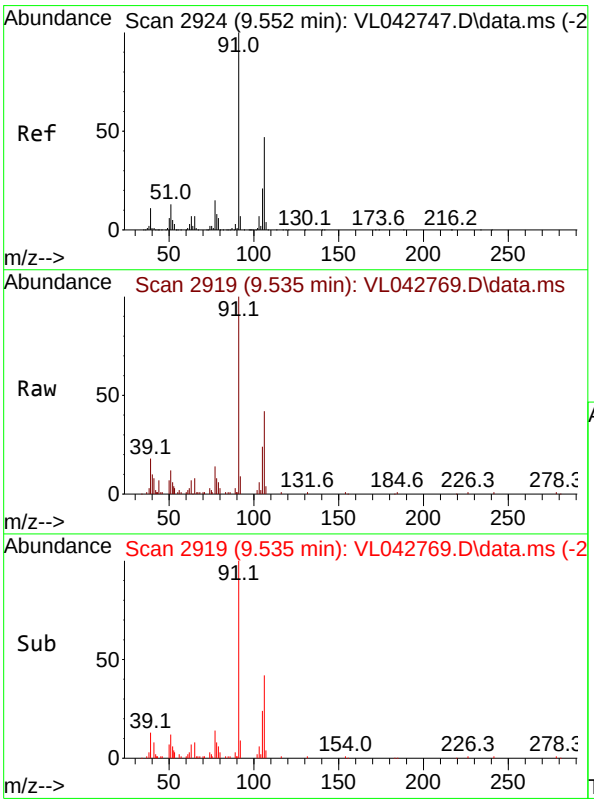
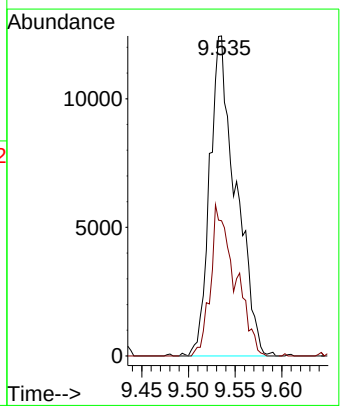
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

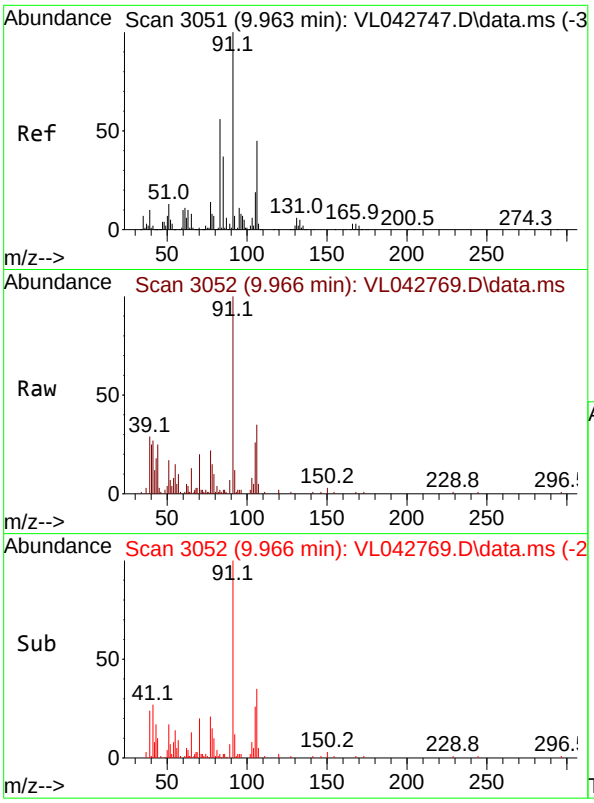


#59
m/p-Xylene
Concen: 0.507 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.016 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 24196

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

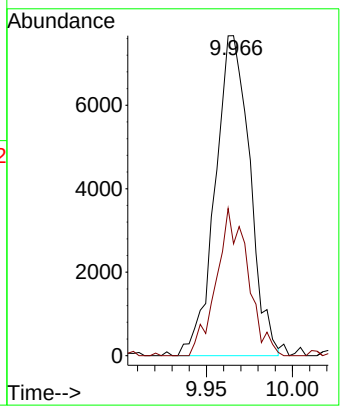




#60
o-Xylene
Concen: 0.225 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 1071

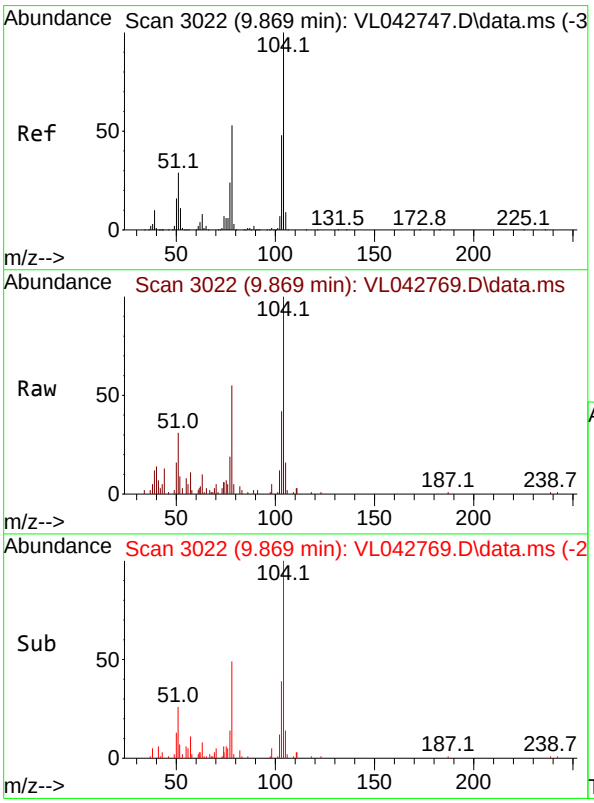
Ion	Ratio	Lower	Upper
91	100		
106	42.0	22.0	66.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations
APPROVED

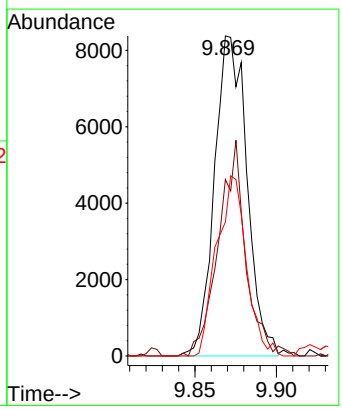
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

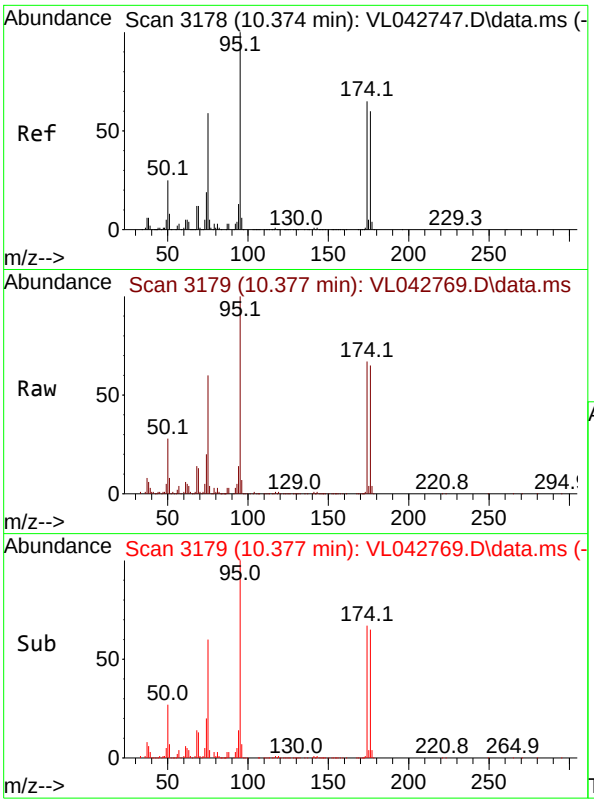


#61
Styrene
Concen: 0.576 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:104 Resp: 11559

Ion	Ratio	Lower	Upper
104	100		
78	57.2	41.5	62.3
103	51.7	37.5	56.3

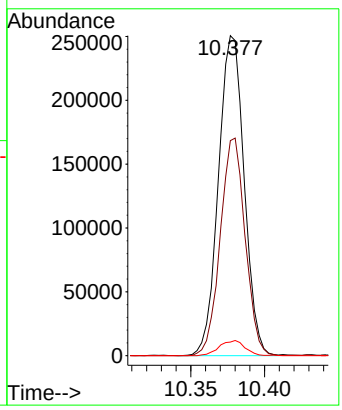




#68
1-Bromo-4-Fluorobenzene
Concen: 10.147 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 95 Resp: 30404

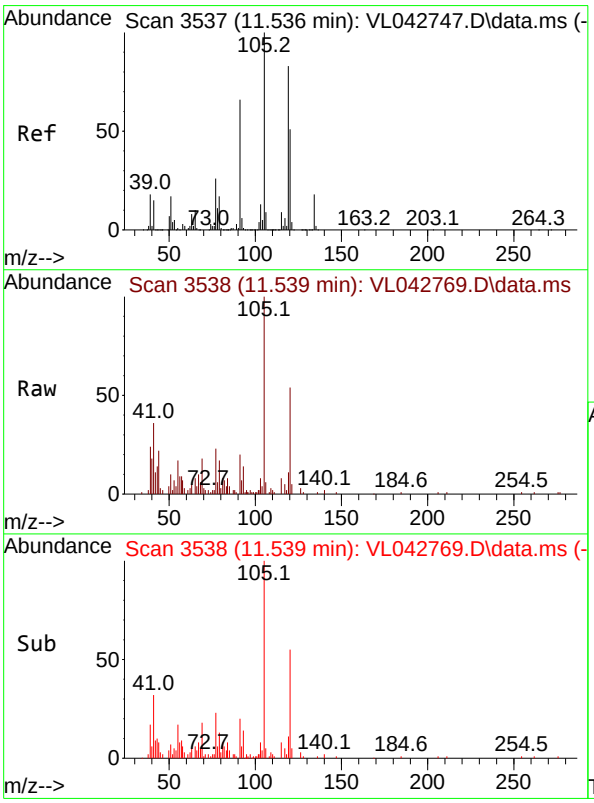
Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	4.8	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations
APPROVED

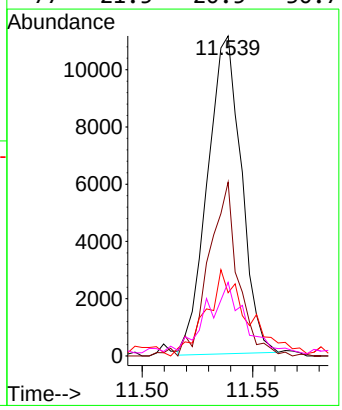
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

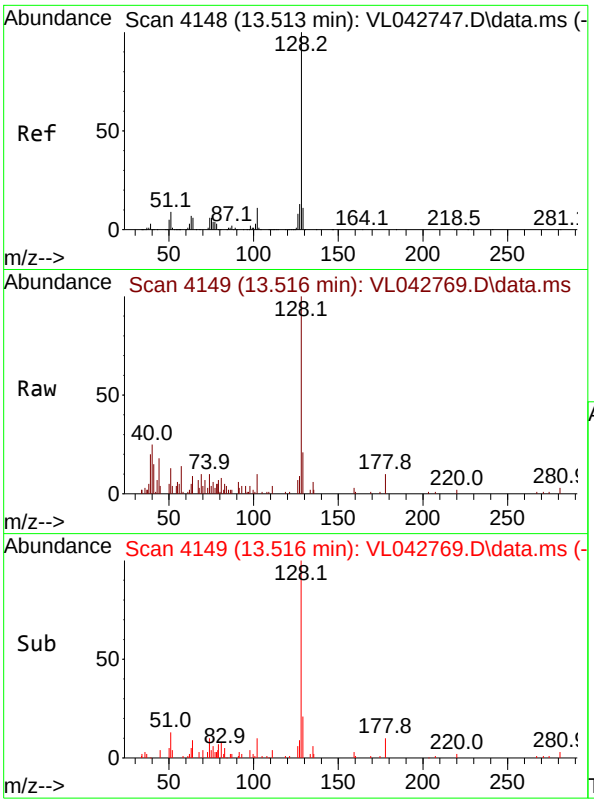


#74
1,2,4-Trimethylbenzene
Concen: 0.231 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:105 Resp: 11842

Ion	Ratio	Lower	Upper
105	100		
120	54.2	40.8	61.2
91	17.6	53.0	79.4#
77	21.5	20.5	30.7

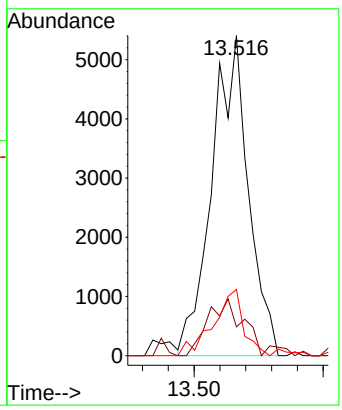




#79
Naphthalene
Concen: 0.526 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:128 Resp: 530

Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.5	15.7#
129	20.7	8.6	13.0#



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-2DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042770.D	10		07/24/25 18:05	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77	ug/m3
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4	ug/m3
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2	ug/m3
109-99-9	Tetrahydrofuran	0.80	2.36	UD	2.36	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	4.85	15.2	ug/m3
142-82-5	Heptane	1.70	6.97	UD	6.97	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8	ug/m3
67-64-1	Acetone	44.7	106	D	4.28	11.9	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0	ug/m3
75-09-2	Methylene Chloride	2.30	7.99	UD	7.99	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	1.30	3.83	JD	1.65	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	1.57	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	3.93	19.8	ug/m3
67-66-3	Chloroform	0.96	4.69	UD	4.69	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.35	1.91	D	0.87	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4	ug/m3
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1.20	4.86	JD	3.76	20.2	ug/m3
79-01-6	Trichloroethene	0.24	1.29	UD	1.29	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1	ug/m3
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	UD	6.03	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-2DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042770.D	10		07/24/25 18:05	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.59	4.00	D	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0	ug/m3
100-41-4	Ethyl Benzene	1.90	8.25	UD	8.25	21.7	ug/m3
179601-23-1	m/p-Xylene	4.10	17.8	UD	17.8	43.4	ug/m3
95-47-6	o-Xylene	2.10	9.12	UD	9.12	21.7	ug/m3
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3	ug/m3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3	ug/m3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1	ug/m3
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24	ug/m3
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6	ug/m3
110-54-3	Hexane	5.50	19.4	D	5.64	17.6	ug/m3
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7	ug/m3
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0	ug/m3
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	154000		2.793			
540-36-3	1,4-Difluorobenzene	415000		3.965			
3114-55-4	Chlorobenzene-d5	359000		8.888			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-IA-2DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042770.D	10		07/24/25 18:05	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042770.D
Acq On : 24 Jul 2025 18:05
Operator : SY/MD
Sample : Q2671-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	153526	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	414561	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	358888	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	280181	9.858	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
9) Propene	1.479	41	21115m	2.197	ppbv	
13) Ethanol	1.725	45	347930	496.065	ppbv	88
15) Acetone	1.839	43	94811	4.472	ppbv	99
19) Isopropyl Alcohol	1.890	45	43059	3.822	ppbv #	70
26) Hexane	2.832	57	11237	0.546	ppbv	84
32) 1,1,1-Trichloroethane	3.379	97	1158m	0.035	ppbv	
34) 2-Butanone	2.567	43	3750	0.128	ppbv	96
37) 1,2-Dichloroethane	3.227	62	2882m	0.122	ppbv	
52) Tetrachloroethene	8.231	164	963m	0.059	ppbv	
53) Toluene	6.946	91	6108m	0.145	ppbv	

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

Quantitation Report (QT Reviewed)

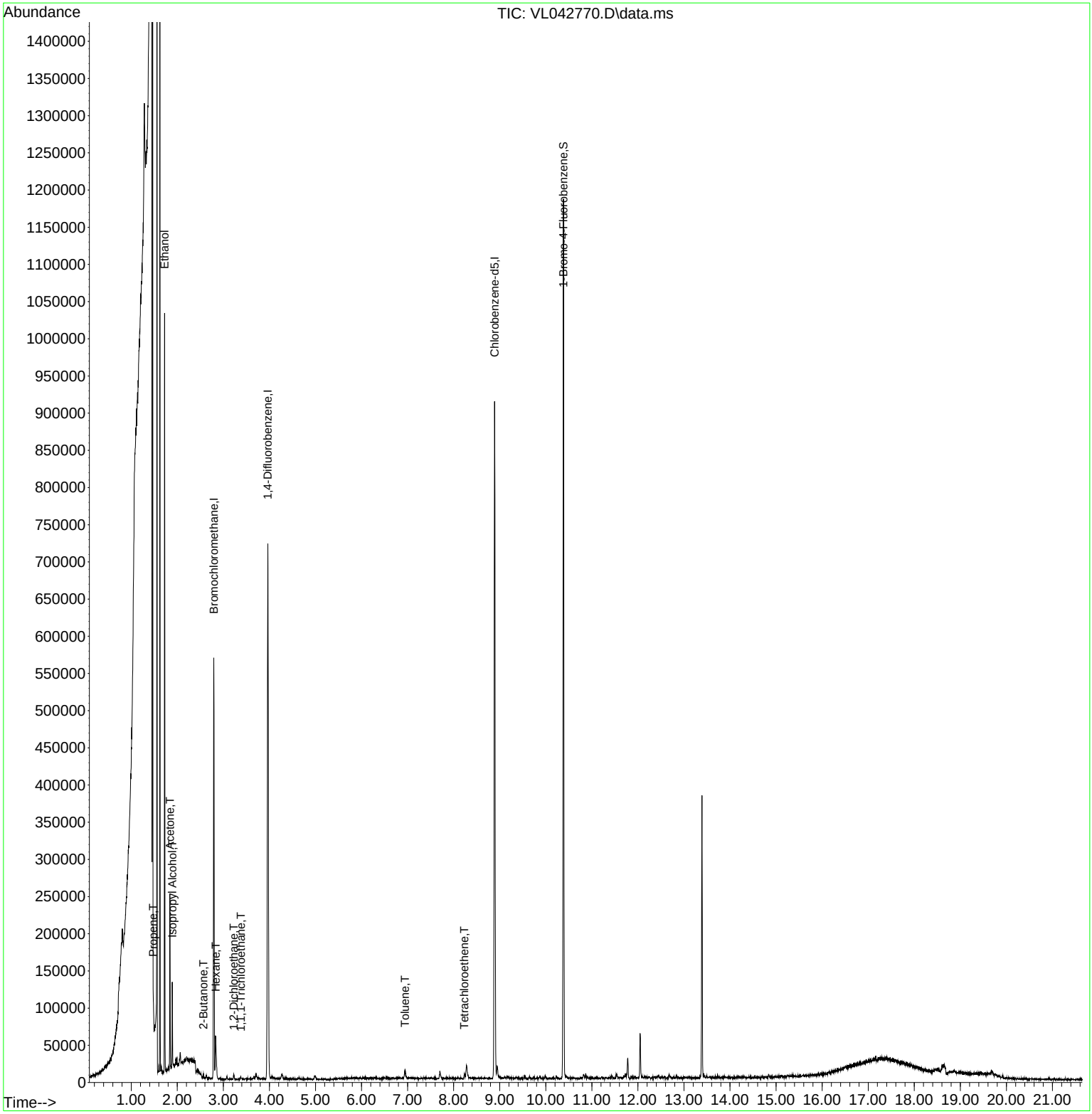
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042770.D
Acq On : 24 Jul 2025 18:05
Operator : SY/MD
Sample : Q2671-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

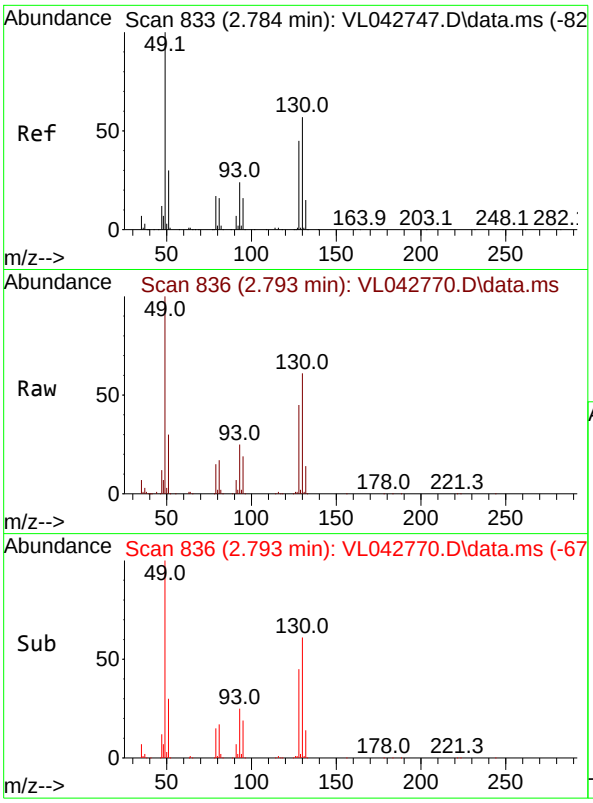
Quant Time: Jul 25 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

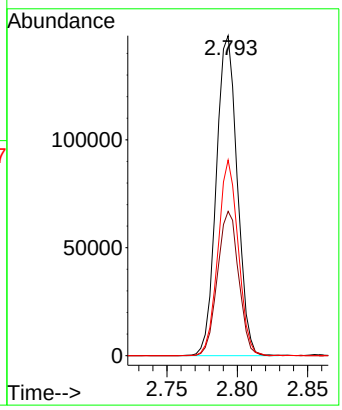




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.009 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 49 Resp: 15352

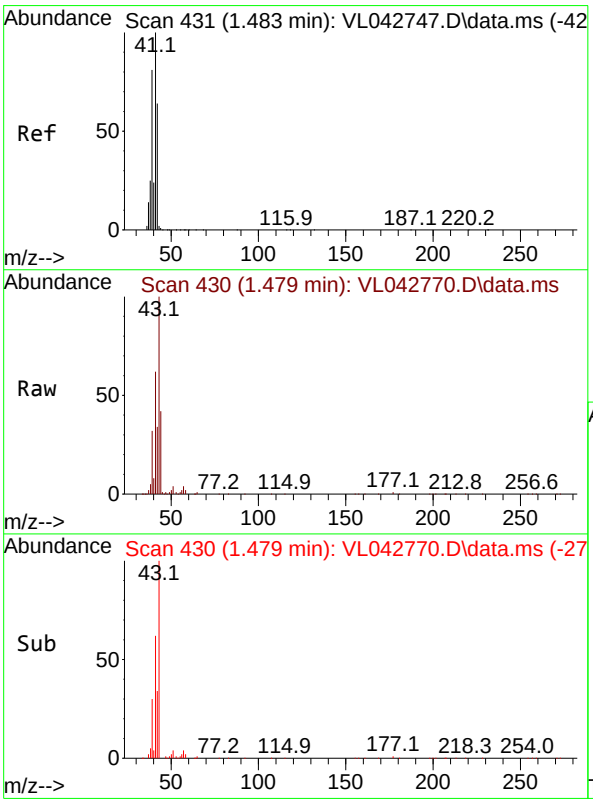
Ion	Ratio	Lower	Upper
49	100		
128	45.7	23.6	71.0
130	58.9	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

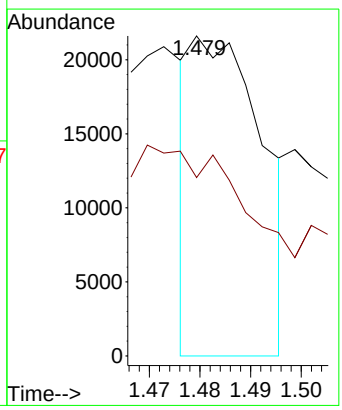
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

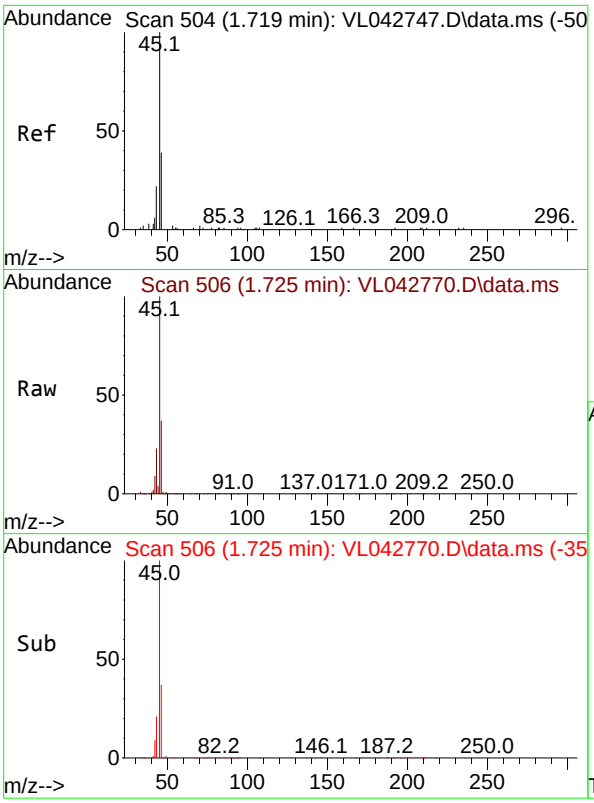


#9
Propene
Concen: 2.197 ppbv m
RT: 1.479 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 41 Resp: 21115

Ion	Ratio	Lower	Upper
41	100		
42	745.0	53.2	79.8#

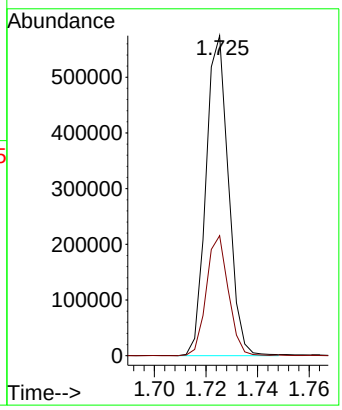




#13
Ethanol
Concen: 496.065 ppbv
RT: 1.725 min Scan# 5(
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 45 Resp: 34793(

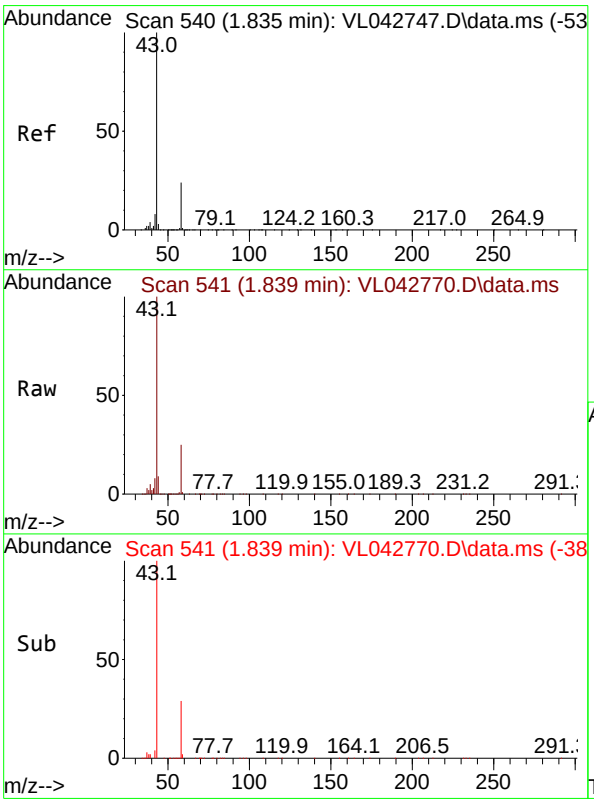
Ion	Ratio	Lower	Upper
45	100		
46	37.0	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

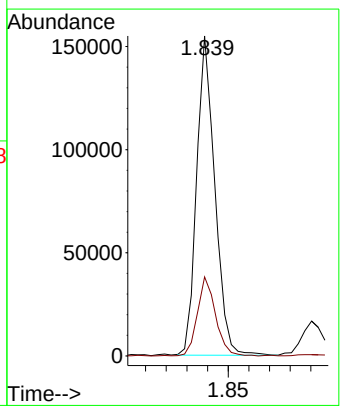
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

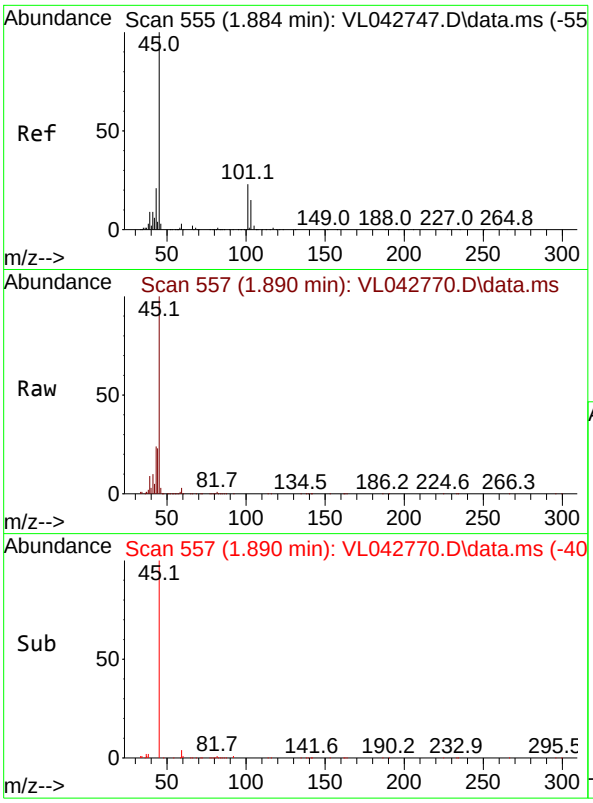


#15
Acetone
Concen: 4.472 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 43 Resp: 94811

Ion	Ratio	Lower	Upper
43	100		
58	25.1	19.8	29.8

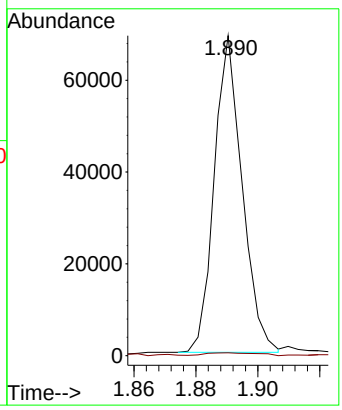




#19
Isopropyl Alcohol
Concen: 3.822 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 45 Resp: 4305

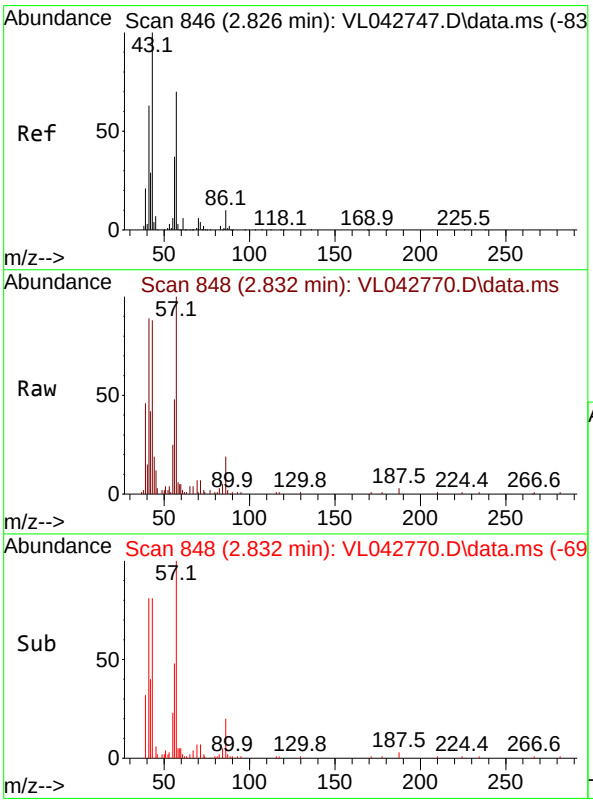
Ion	Ratio	Lower	Upper
45	100		
58	55.2	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

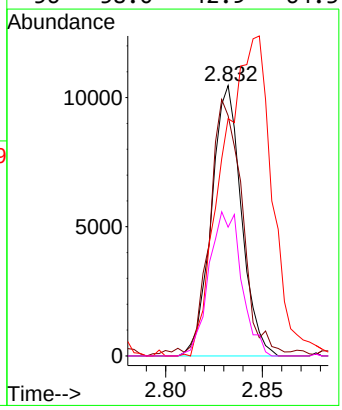
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

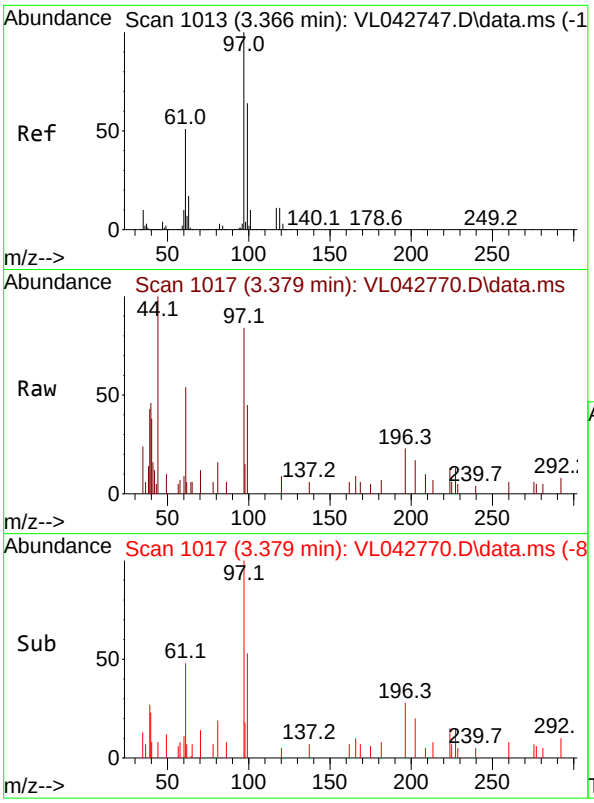


#26
Hexane
Concen: 0.546 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 57 Resp: 11237

Ion	Ratio	Lower	Upper
57	100		
41	104.7	75.4	113.2
43	196.4	185.0	277.6
56	58.0	42.9	64.3

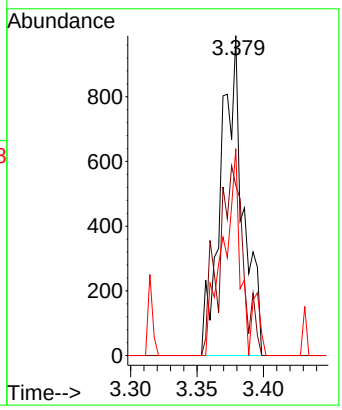




#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv m
RT: 3.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 97 Resp: 115

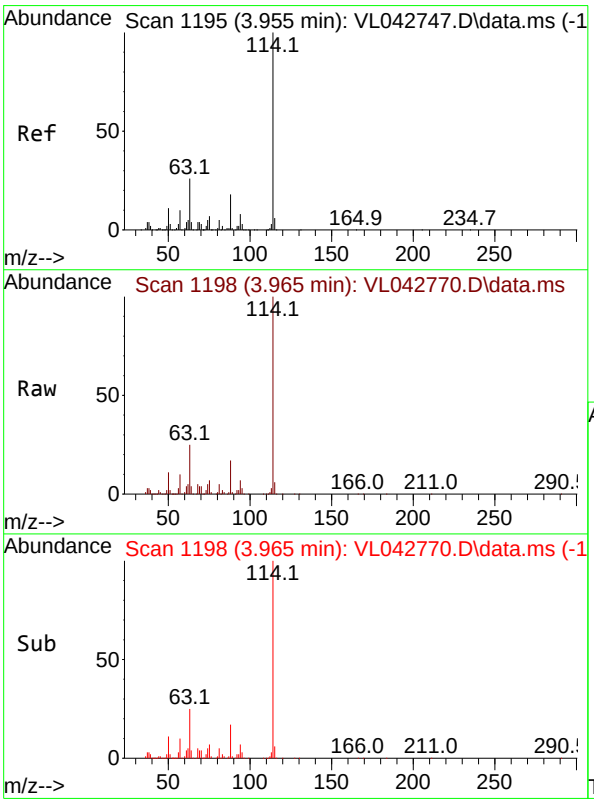
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	56.0	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

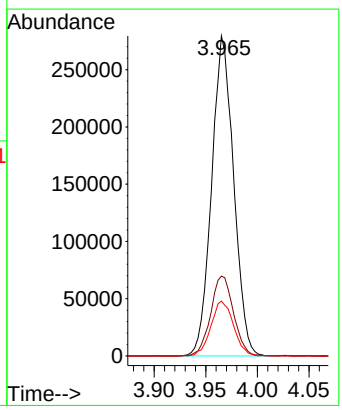
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

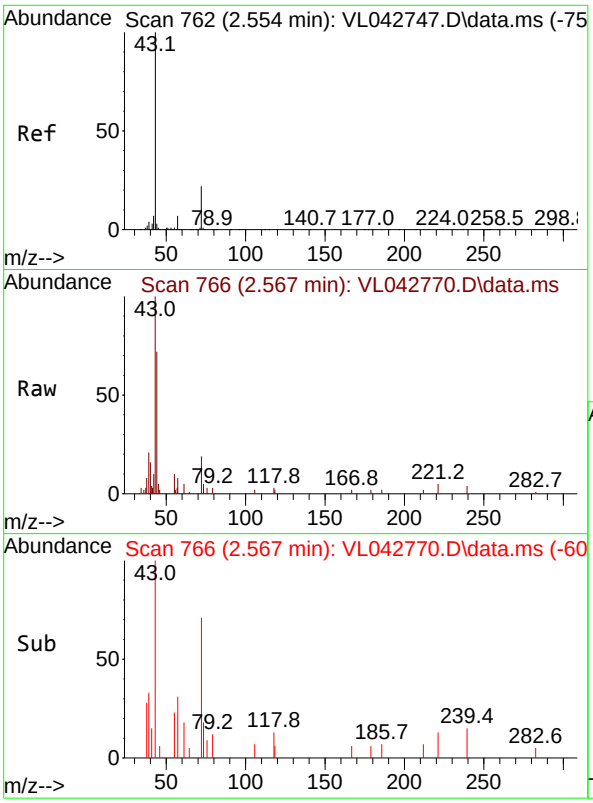


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:114 Resp: 414561

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.5	30.7
88	17.6	14.0	21.0

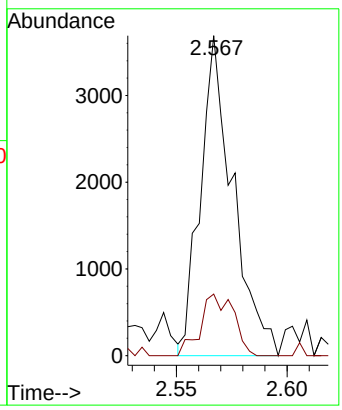




#34
2-Butanone
Concen: 0.128 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 43 Resp: 375

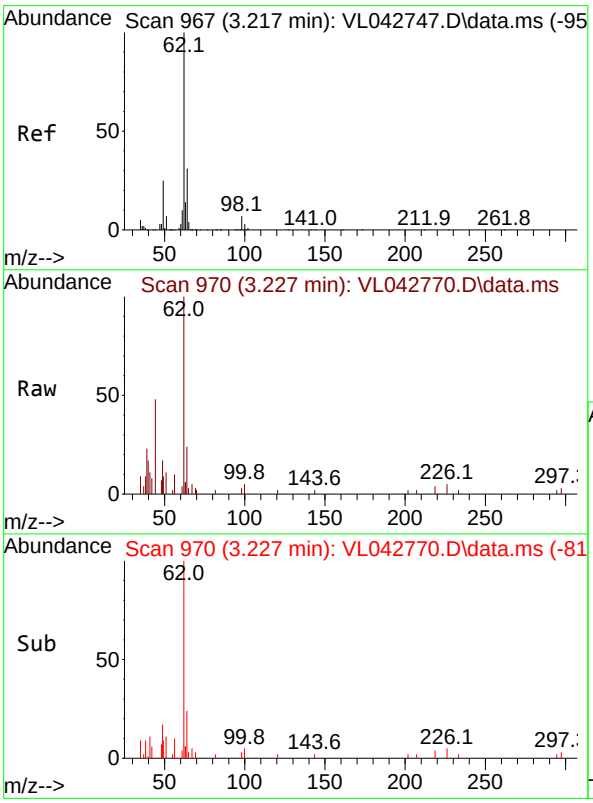
Ion	Ratio	Lower	Upper
43	100		
72	19.7	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

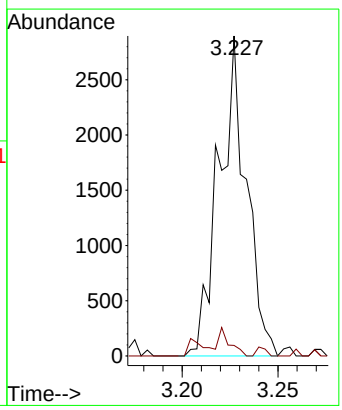
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

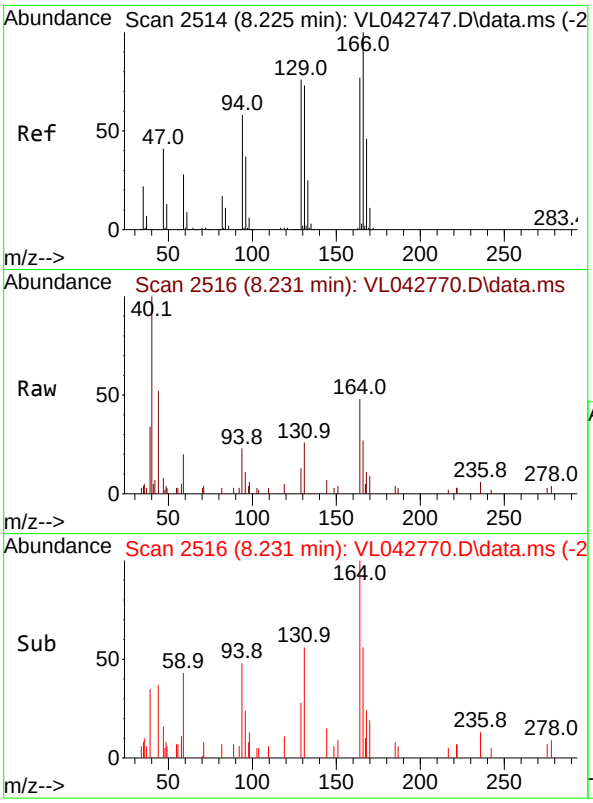


#37
1,2-Dichloroethane
Concen: 0.122 ppbv m
RT: 3.227 min Scan# 970
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 62 Resp: 2882

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#

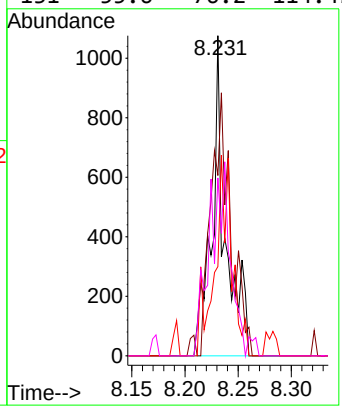




#52
Tetrachloroethene
Concen: 0.059 ppbv m
RT: 8.231 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:164 Resp: 96

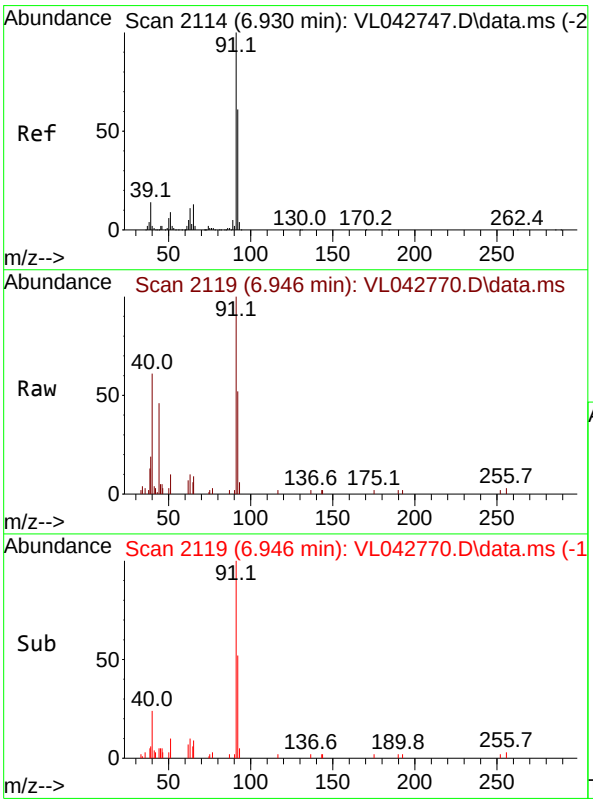
Ion	Ratio	Lower	Upper
164	100		
166	56.3	104.0	156.0#
129	27.9	79.2	118.8#
131	55.6	76.2	114.4#



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

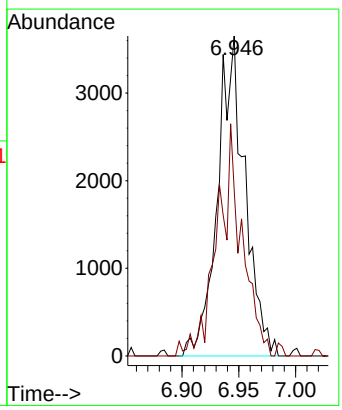
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

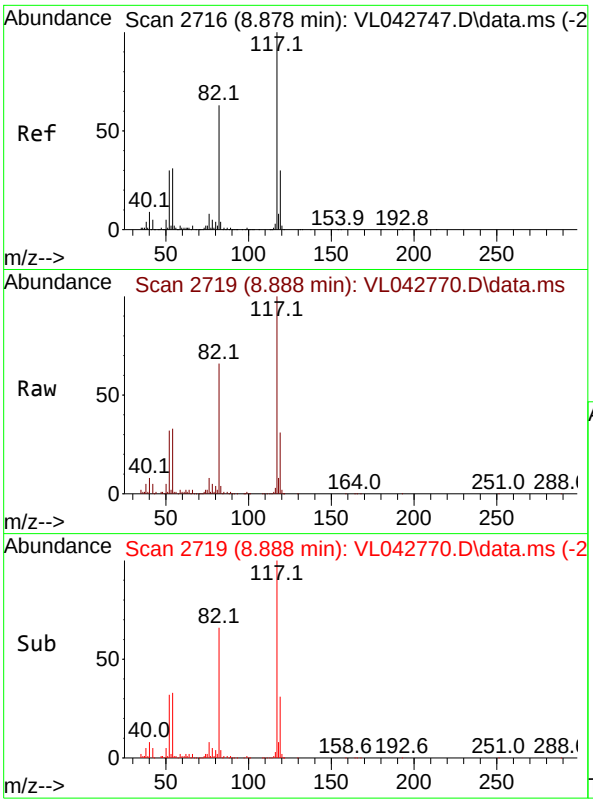


#53
Toluene
Concen: 0.145 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 91 Resp: 6108

Ion	Ratio	Lower	Upper
91	100		
92	66.5	48.0	72.0

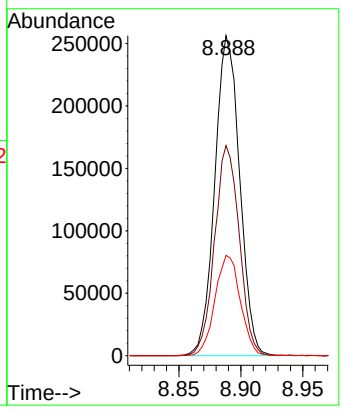




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:117 Resp: 35888

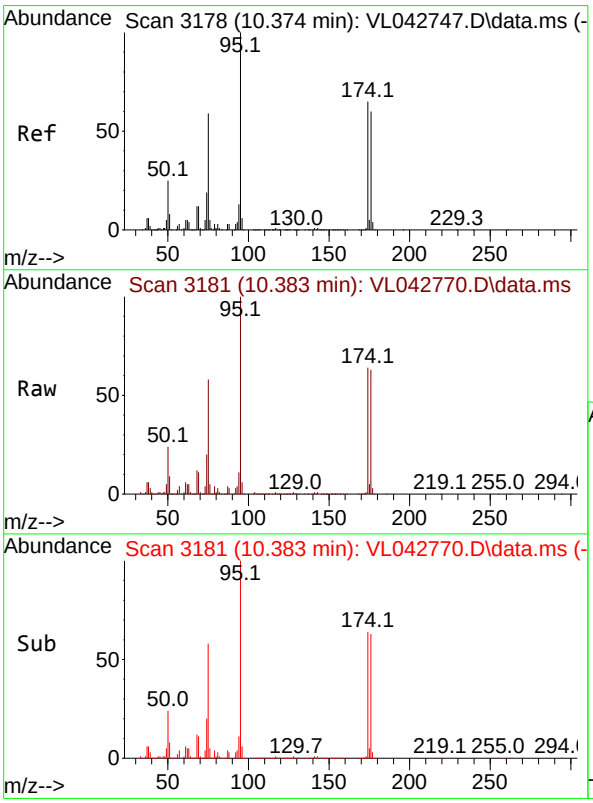
Ion	Ratio	Lower	Upper
117	100		
82	65.1	53.3	79.9
119	32.1	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Manual Integrations
APPROVED

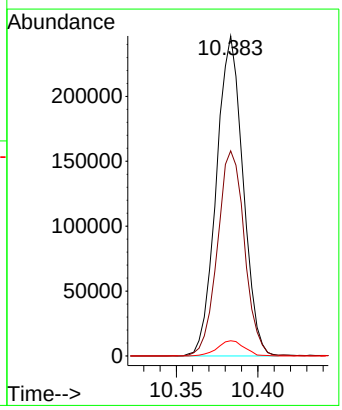
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 95 Resp: 280181

Ion	Ratio	Lower	Upper
95	100		
174	65.2	53.8	80.6
175	4.9	4.0	6.0



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:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG2	SDG No.:	Q2671
Lab Sample ID:	Q2671-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042762.D	1		07/24/25 13:17	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.45	2.23	J	0.54	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.30	1.69	J	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.59	1.79		0.49	1.52	ug/m3
142-82-5	Heptane	0.63	2.58		0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	21.8	51.8	E	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	2.30	7.16		0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	15.5	45.7	E	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.33	2.08		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.21	0.83	J	0.40	1.98	ug/m3
67-66-3	Chloroform	20.2	98.7	E	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.40	2.18		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.27	0.86	J	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	22.0	118	E	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.22	1.47	J	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.23	0.94	J	0.41	2.05	ug/m3
108-88-3	Toluene	0.33	1.24	J	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG2	SDG No.:	Q2671
Lab Sample ID:	Q2671-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042762.D	1		07/24/25 13:17	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	20.0	136	E	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.49	2.57		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	2.40	8.46		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			70 (65) - 130 (135)	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	154000		2.784			
540-36-3	1,4-Difluorobenzene	420000		3.952			
3114-55-4	Chlorobenzene-d5	382000		8.878			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG2	SDG No.:	Q2671
Lab Sample ID:	Q2671-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042762.D	1		07/24/25 13:17	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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 (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042762.D
Acq On : 24 Jul 2025 13:17
Operator : SY/MD
Sample : Q2671-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:25:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	154296	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	419540	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	381810	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	306627	10.141	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	9247	0.453	ppbv		96
9) Propene	1.486	41	67022m	6.939	ppbv		
10) Heptane	4.978	43	16368m	0.629	ppbv		
11) Trichlorofluoromethane	1.878	101	6222	0.296	ppbv		89
13) Ethanol	1.719	45	462583	656.614	ppbv		89
15) Acetone	1.832	43	463947	21.776	ppbv		98
17) tert-Butyl alcohol	2.039	59	11264	0.586	ppbv	#	88
19) Isopropyl Alcohol	1.884	45	36290m	3.205	ppbv		
26) Hexane	2.826	57	49153	2.376	ppbv	#	44
27) Carbon Disulfide	2.149	76	40051	2.261	ppbv	#	1
29) Chloroform	2.845	83	645551	20.193	ppbv		97
31) cis-1,2-Dichloroethene	2.719	61	4361	0.205	ppbv	#	89
32) 1,1,1-Trichloroethane	3.366	97	13146	0.395	ppbv		95
34) 2-Butanone	2.554	43	461666	15.535	ppbv		99
35) Carbon Tetrachloride	3.761	117	10371	0.333	ppbv		86
36) Benzene	3.651	78	10733	0.270	ppbv	#	90
38) Trichloroethene	4.541	130	420946	22.037	ppbv		97
42) Bromodichloromethane	4.483	83	6924m	0.222	ppbv		
50) 4-Methyl-2-Pentanone	5.765	43	8852m	0.231	ppbv		
51) 2-Hexanone	7.438	43	21380	0.739	ppbv	#	92
52) Tetrachloroethene	8.221	164	329198	19.975	ppbv		98
53) Toluene	6.923	91	13871m	0.325	ppbv		
59) m/p-Xylene	9.529	91	10979m	0.228	ppbv		
60) o-Xylene	9.966	91	5517m	0.115	ppbv		
61) Styrene	9.866	104	2858	0.141	ppbv		95
74) 1,2,4-Trimethylbenzene	11.536	105	7139	0.138	ppbv	#	54
79) Naphthalene	13.513	128	3165	0.489	ppbv	#	95

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

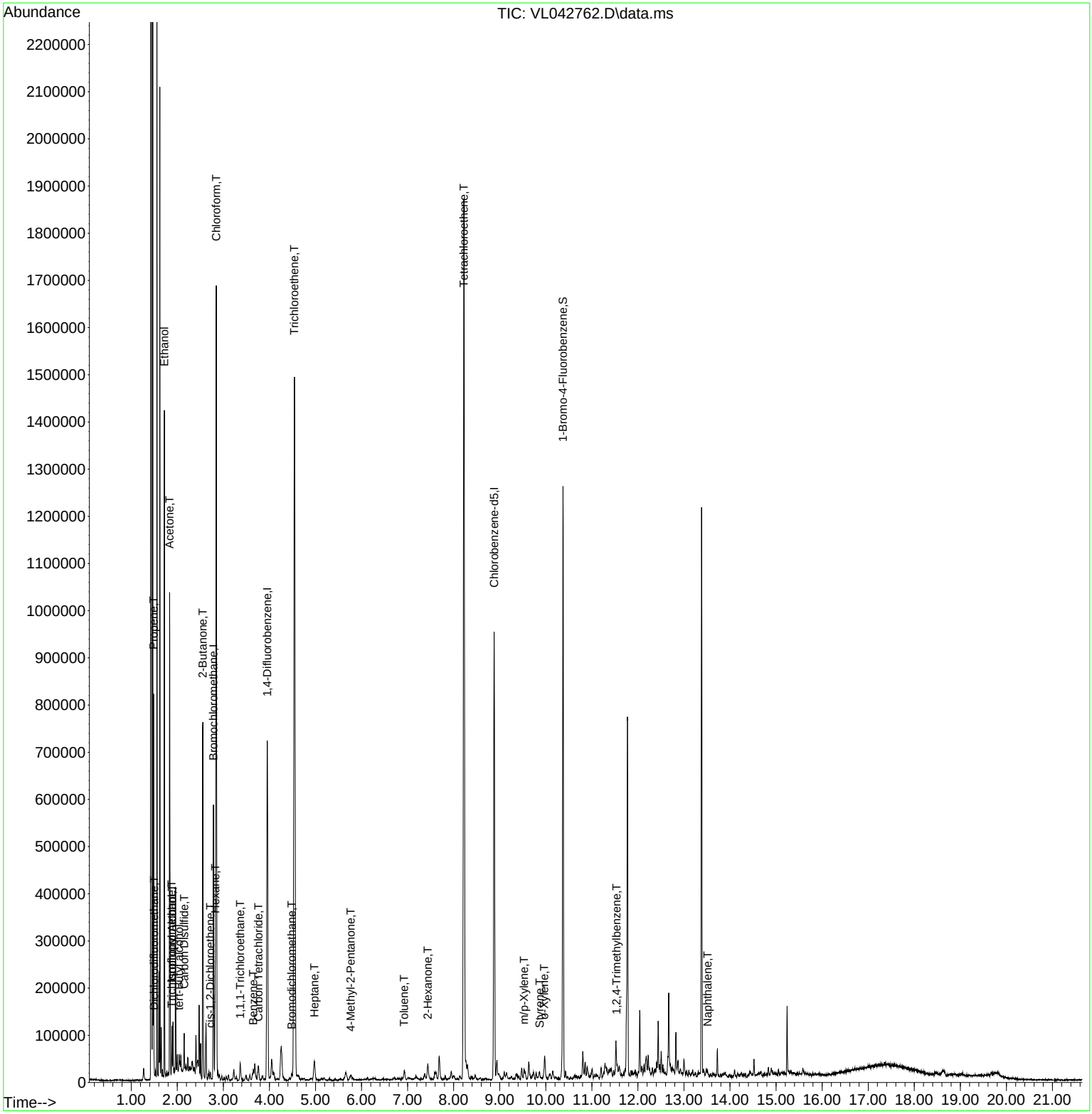
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042762.D
Acq On : 24 Jul 2025 13:17
Operator : SY/MD
Sample : Q2671-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

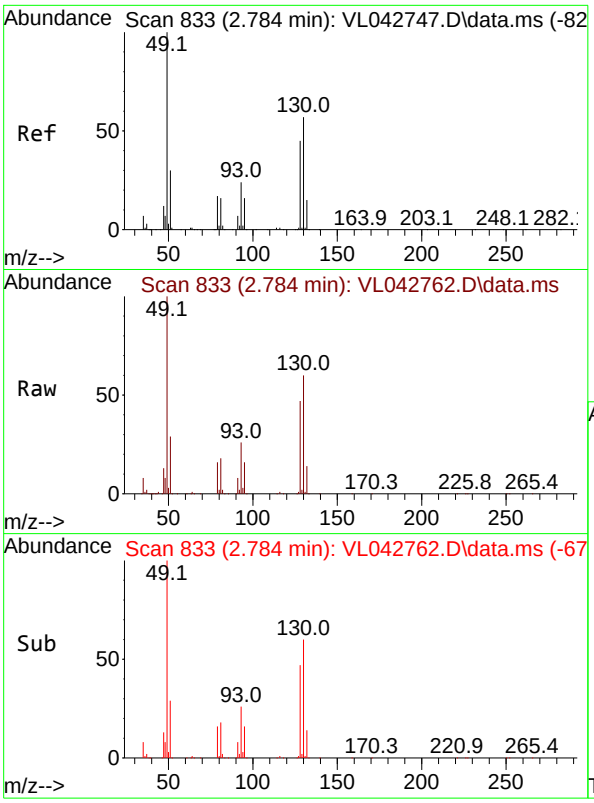
Quant Time: Jul 25 01:25:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

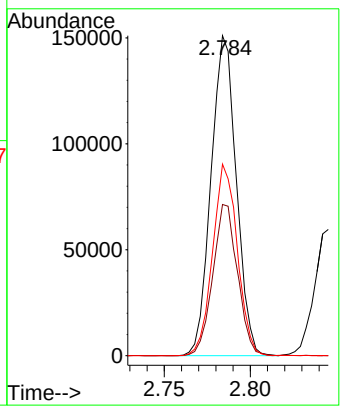




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 49 Resp: 15429

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	58.5	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
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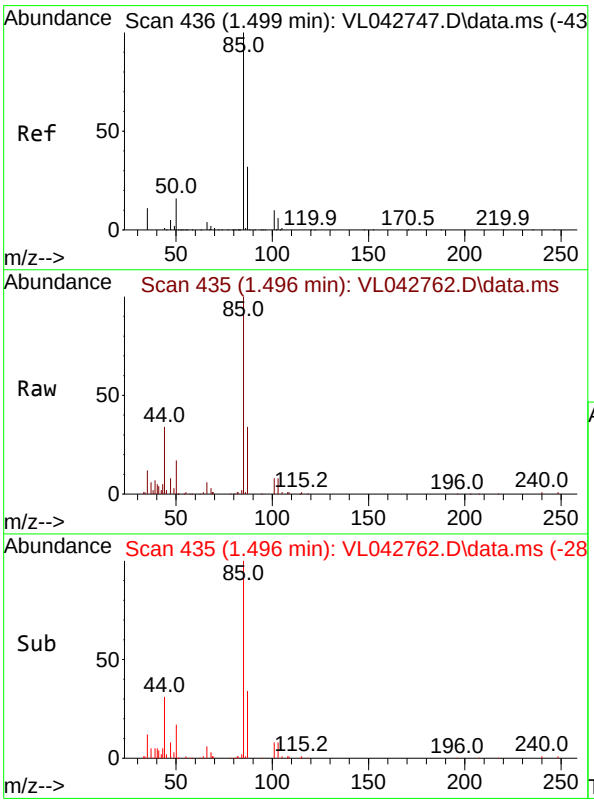
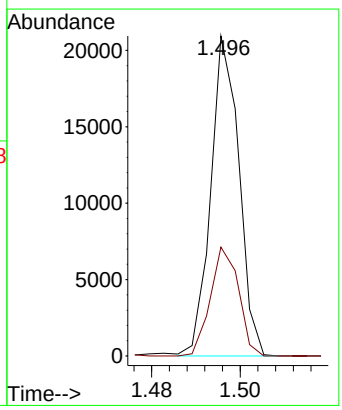
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

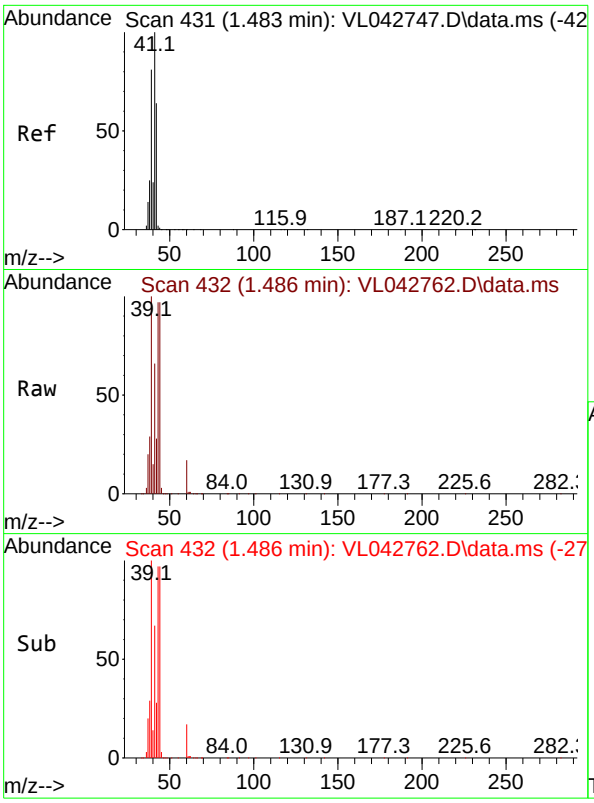


#2
Dichlorodifluoromethane
Concen: 0.453 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 85 Resp: 9247

Ion	Ratio	Lower	Upper
85	100		
87	34.0	25.4	38.2

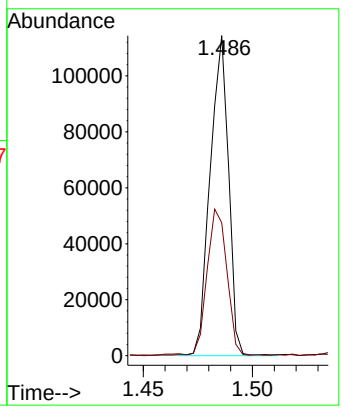




#9
Propene
Concen: 6.939 ppbv m
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 41 Resp: 6702

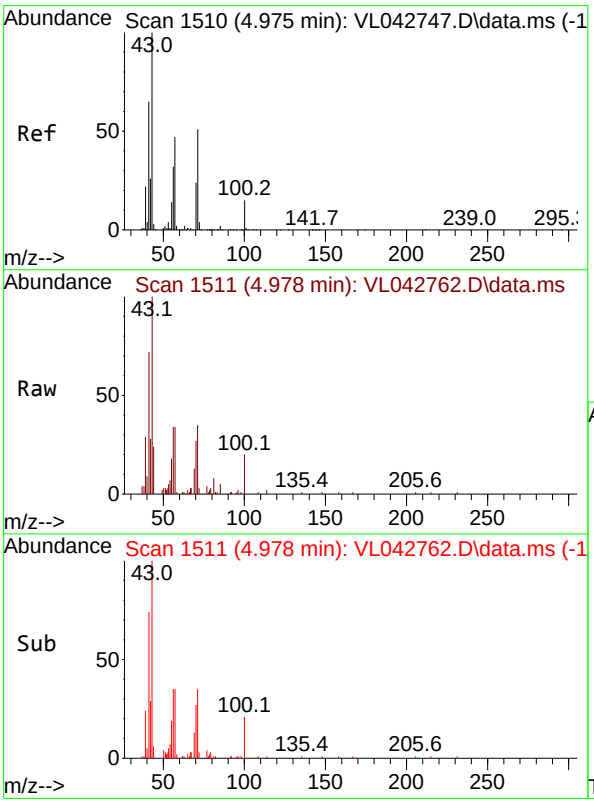
Ion	Ratio	Lower	Upper
41	100		
42	0.0	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
APPROVED

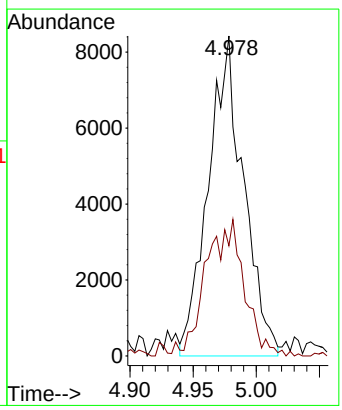
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

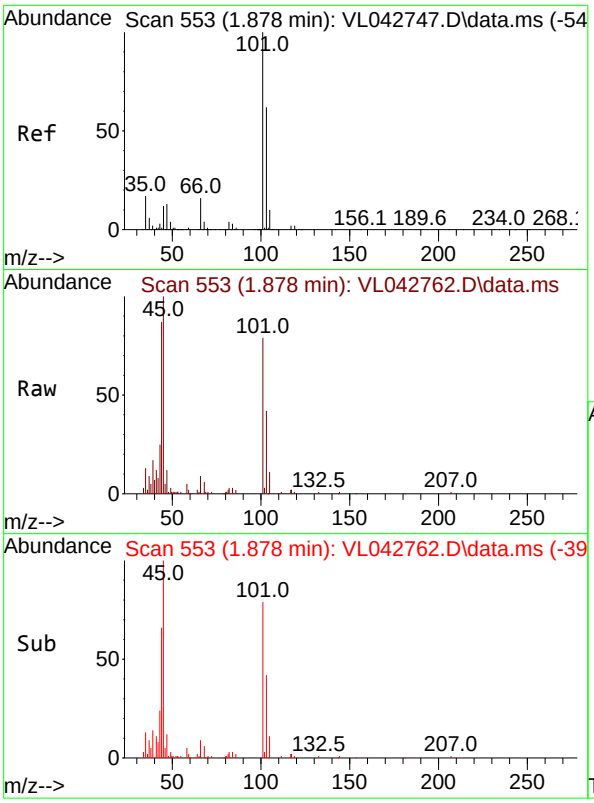


#10
Heptane
Concen: 0.629 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 16368

Ion	Ratio	Lower	Upper
43	100		
57	47.4	39.9	59.9

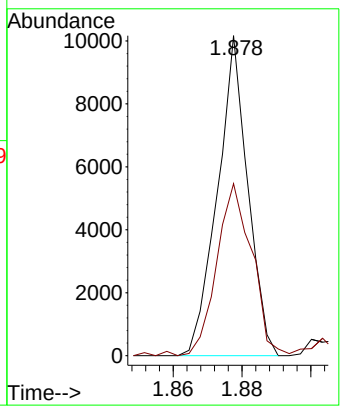




#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:101 Resp: 622

Ion	Ratio	Lower	Upper
101	100		
103	53.7	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
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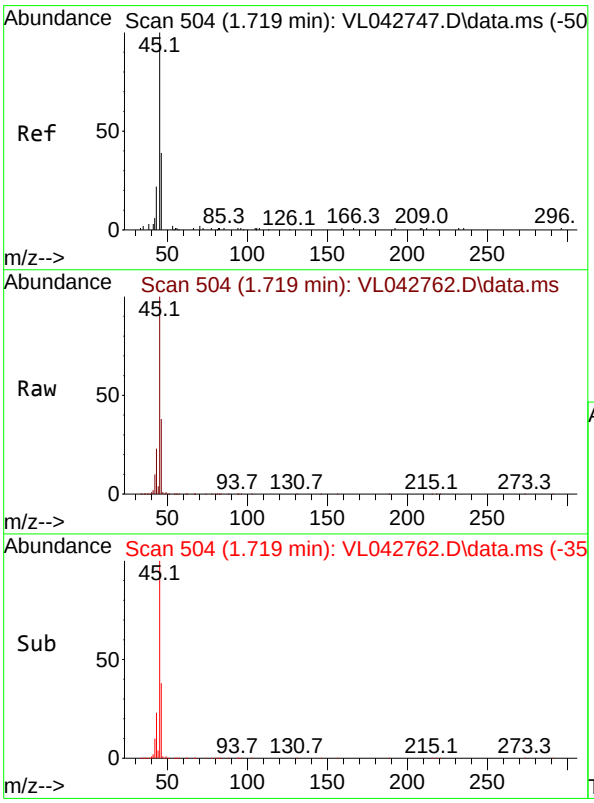
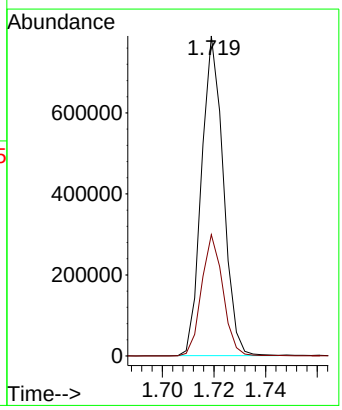
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

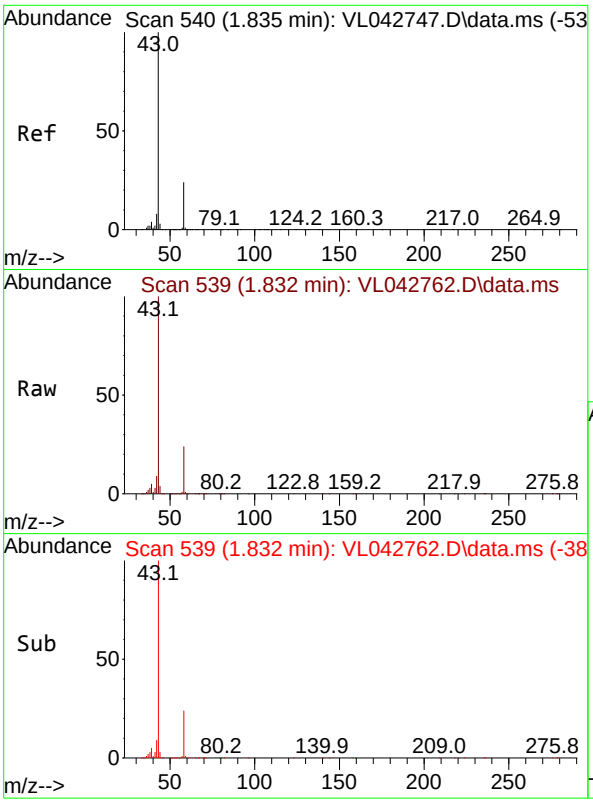


#13
Ethanol
Concen: 656.614 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 45 Resp: 462583

Ion	Ratio	Lower	Upper
45	100		
46	37.5	17.8	71.4

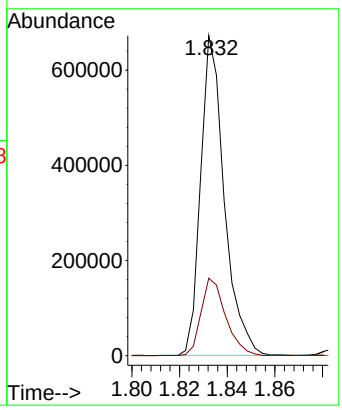




#15
Acetone
Concen: 21.776 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 46394

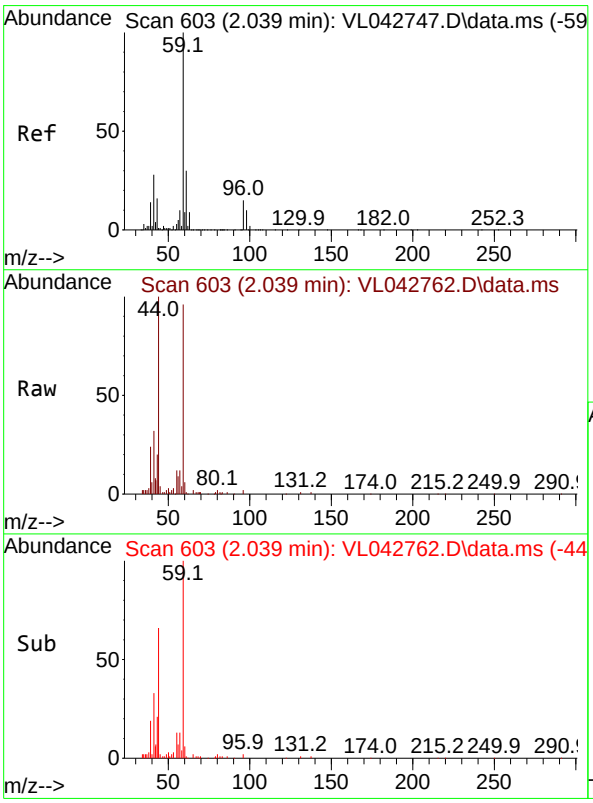
Ion	Ratio	Lower	Upper
43	100		
58	25.7	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
APPROVED

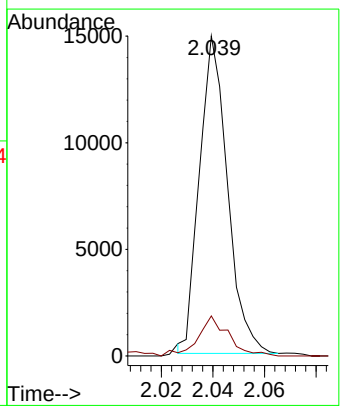
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

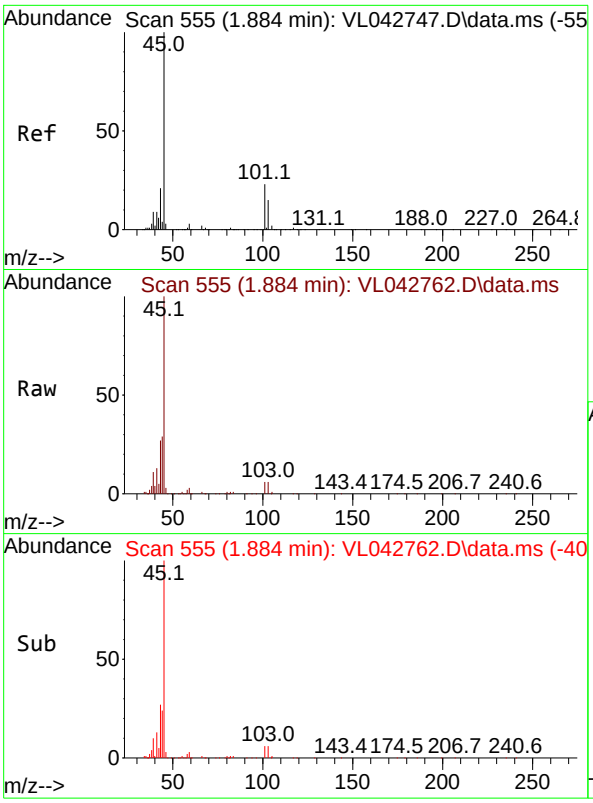


#17
tert-Butyl alcohol
Concen: 0.586 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 59 Resp: 11264

Ion	Ratio	Lower	Upper
59	100		
57	14.7	8.3	12.5#

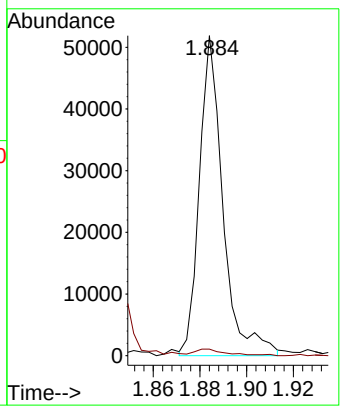




#19
Isopropyl Alcohol
Concen: 3.205 ppbv m
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 45 Resp: 3629

Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.0	45.0#



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
APPROVED

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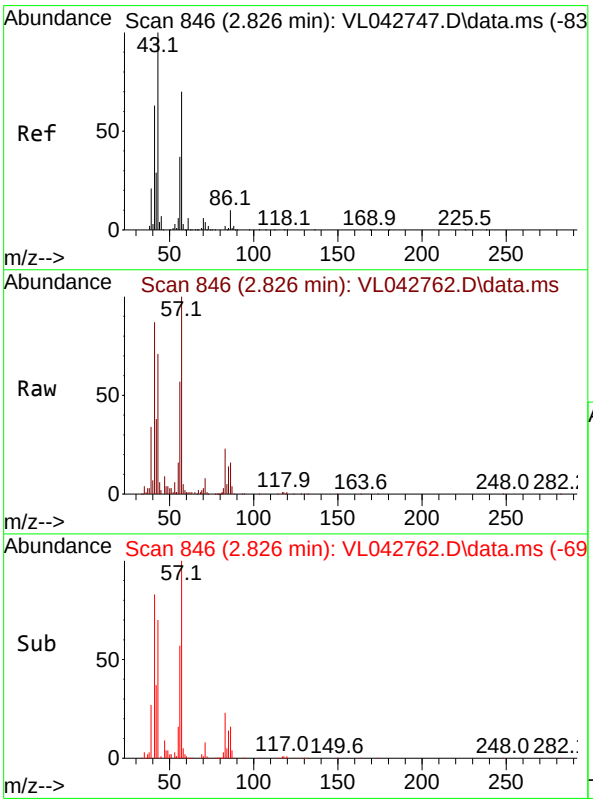
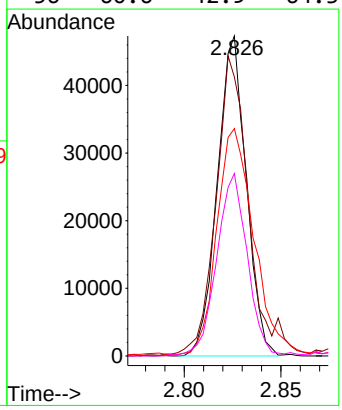
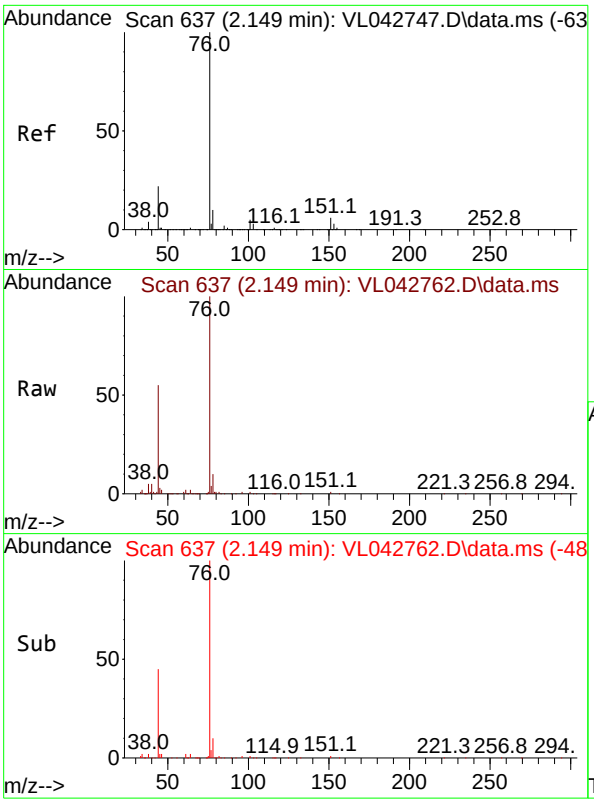


#26
Hexane
Concen: 2.376 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 57 Resp: 49153

Ion	Ratio	Lower	Upper
57	100		
41	105.4	75.4	113.2
43	90.6	185.0	277.6#
56	60.6	42.9	64.3

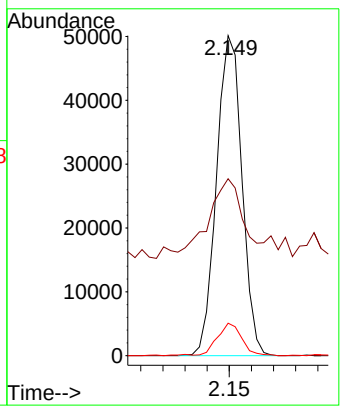




#27
Carbon Disulfide
Concen: 2.261 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 76 Resp: 4005

Ion	Ratio	Lower	Upper
76	100		
44	126.2	19.3	28.9#
78	10.1	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
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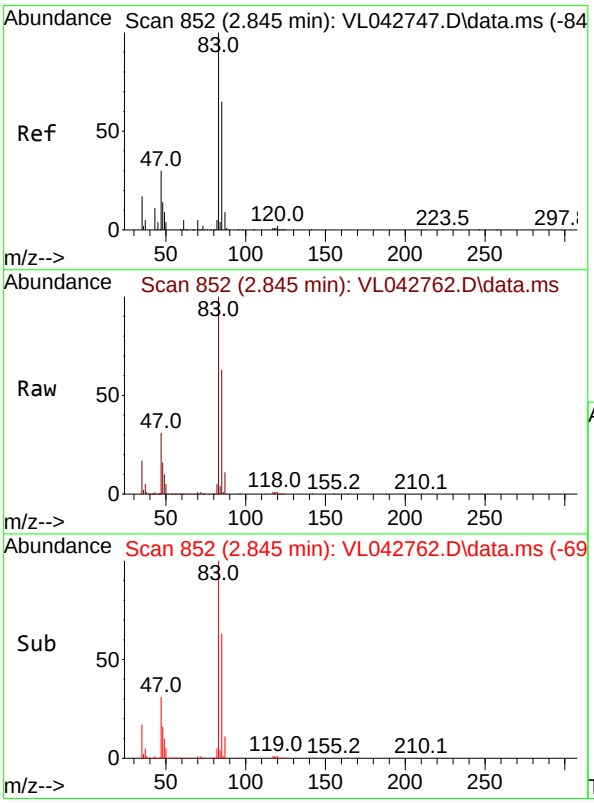
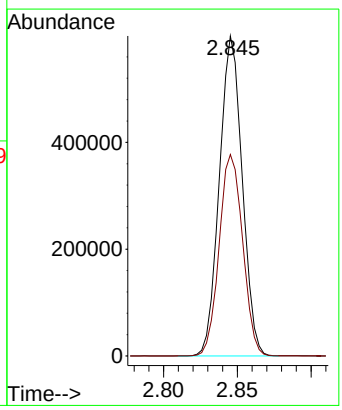
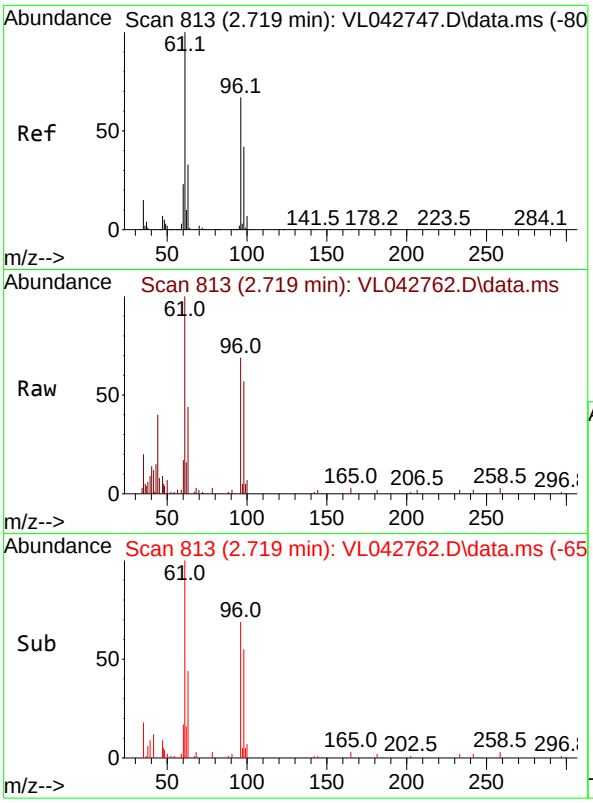


#29
Chloroform
Concen: 20.193 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 83 Resp: 645551

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2

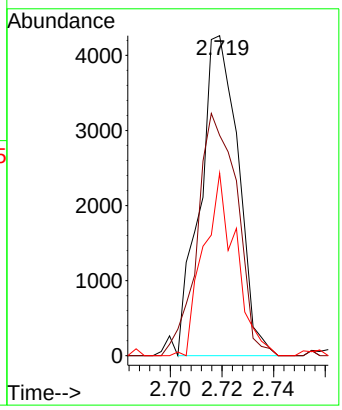




#31
cis-1,2-Dichloroethene
Concen: 0.205 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 61 Resp: 436

Ion	Ratio	Lower	Upper
61	100		
96	68.9	53.5	80.3
98	57.0	33.6	50.4



Instrument :
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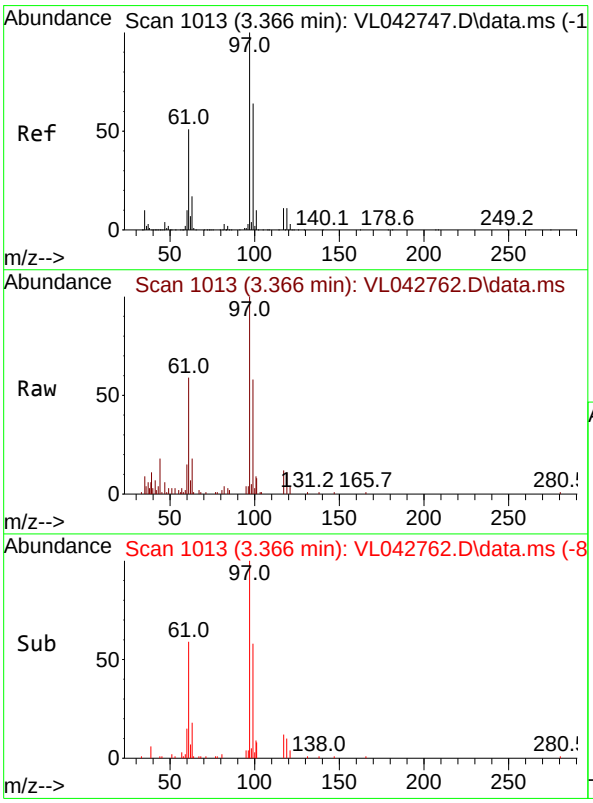
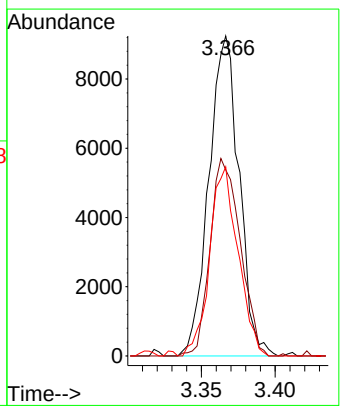
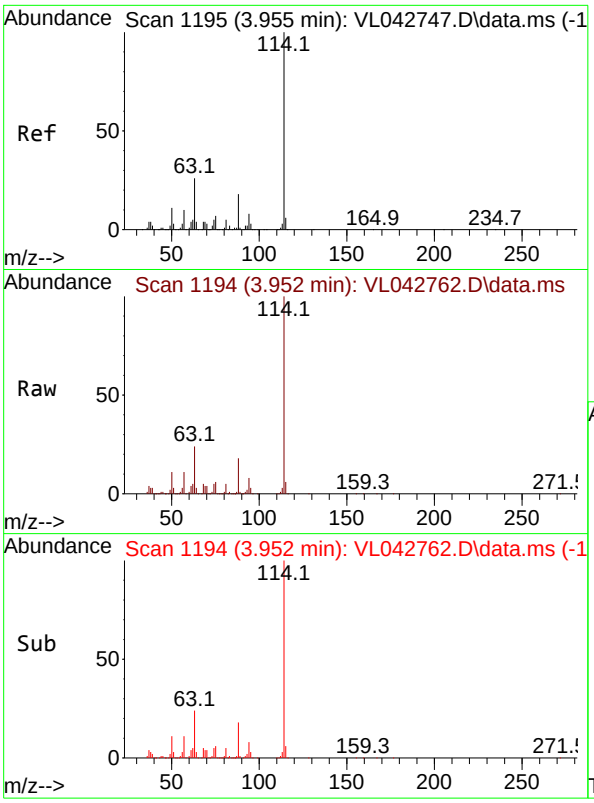


#32
1,1,1-Trichloroethane
Concen: 0.395 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 97 Resp: 13146

Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.6
61	56.5	40.9	61.3

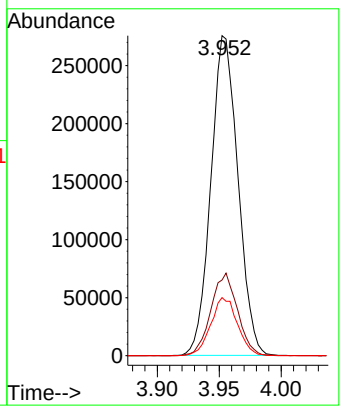




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:114 Resp: 41954

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.9	14.0	21.0



Instrument :
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ClientSampleId :
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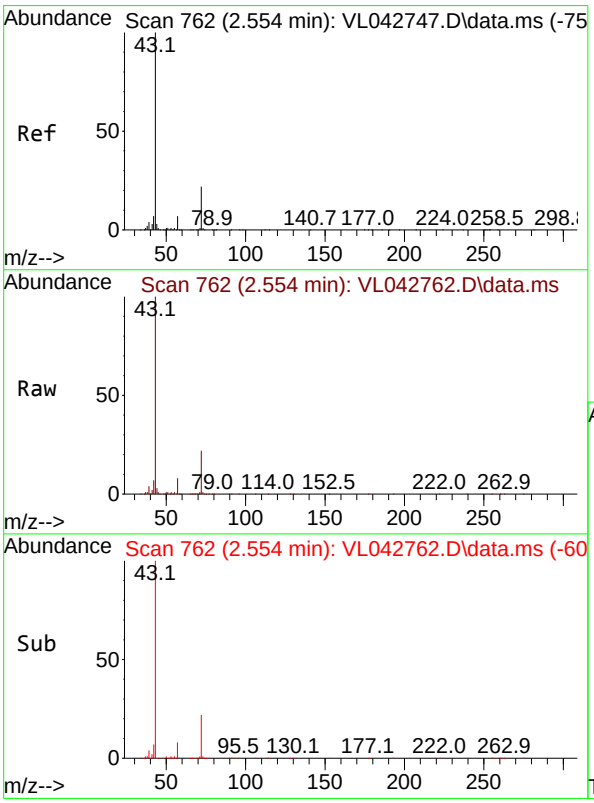
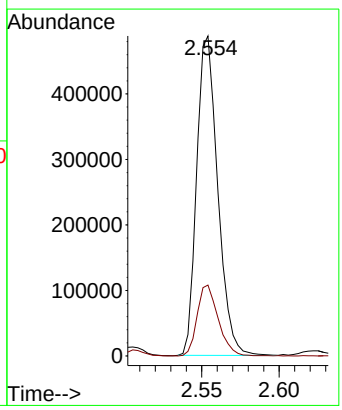
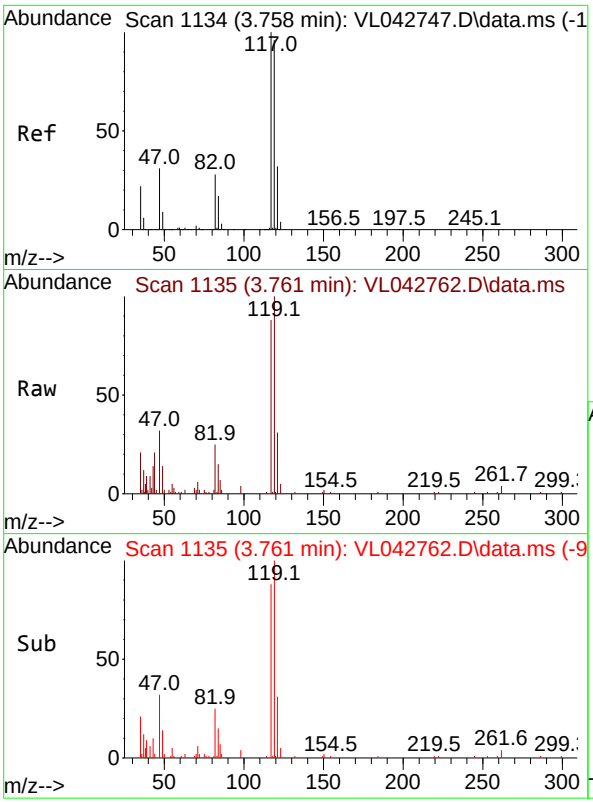


#34
2-Butanone
Concen: 15.535 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 461666

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.4	26.0

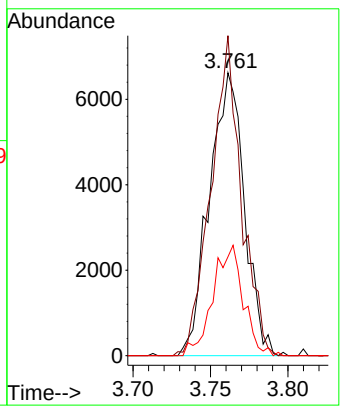




#35
Carbon Tetrachloride
Concen: 0.333 ppbv
RT: 3.761 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:117 Resp: 1037

Ion	Ratio	Lower	Upper
117	100		
119	113.1	77.1	115.7
121	35.0	25.5	38.3



Instrument :
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ClientSampleId :
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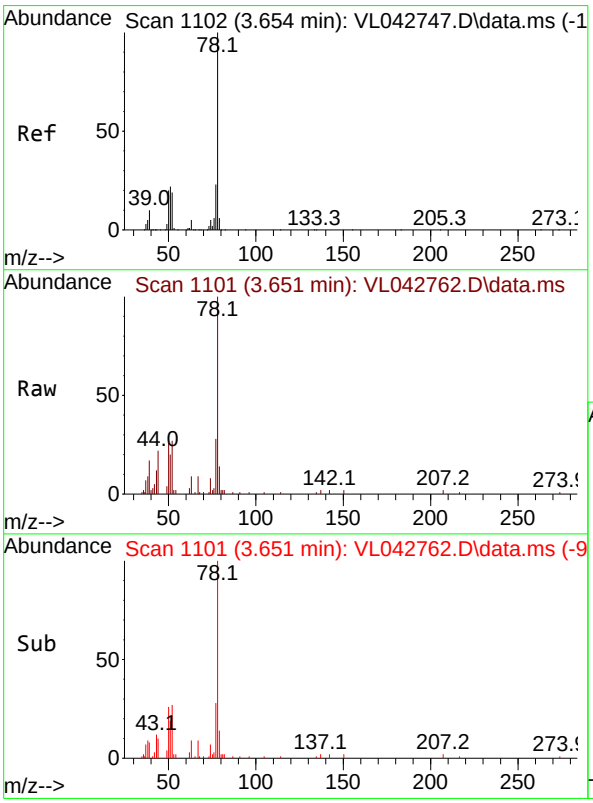
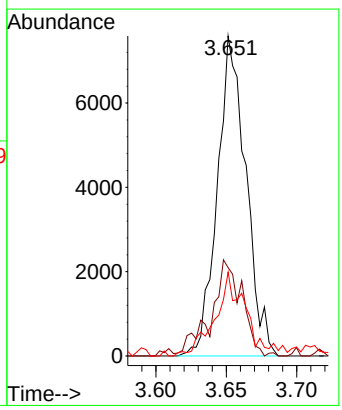
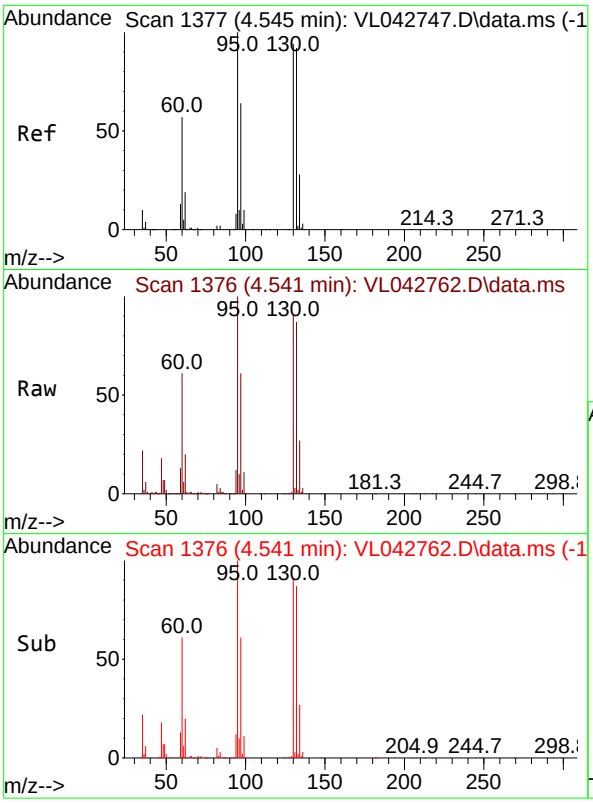


#36
Benzene
Concen: 0.270 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 78 Resp: 10733

Ion	Ratio	Lower	Upper
78	100		
77	27.6	18.5	27.7
50	25.2	16.2	24.2#

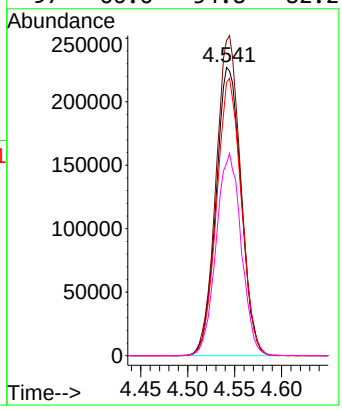




#38
Trichloroethene
Concen: 22.037 ppbv
RT: 4.541 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:130 Resp: 42094

Ion	Ratio	Lower	Upper
130	100		
95	109.3	85.4	128.2
132	94.7	78.2	117.2
97	66.6	54.8	82.2



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

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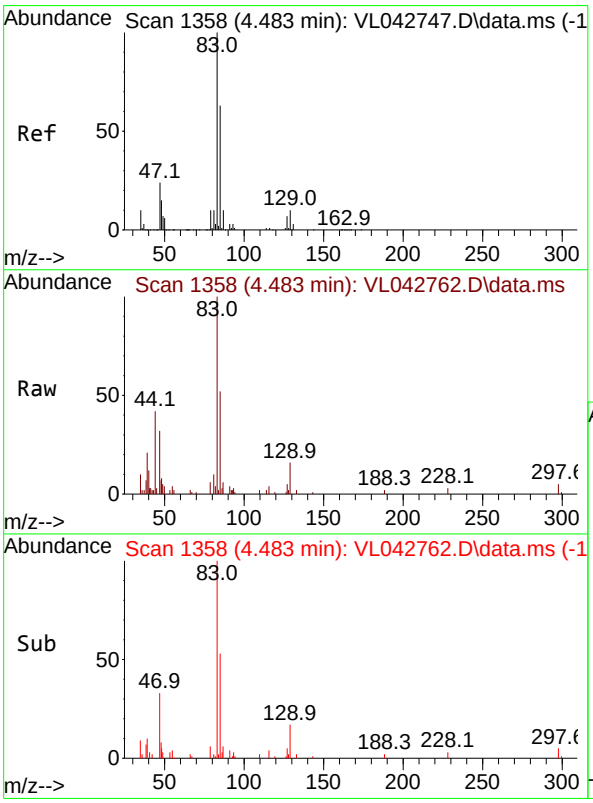
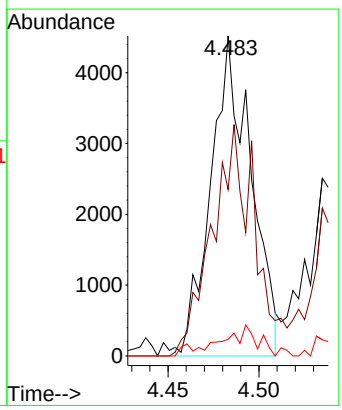
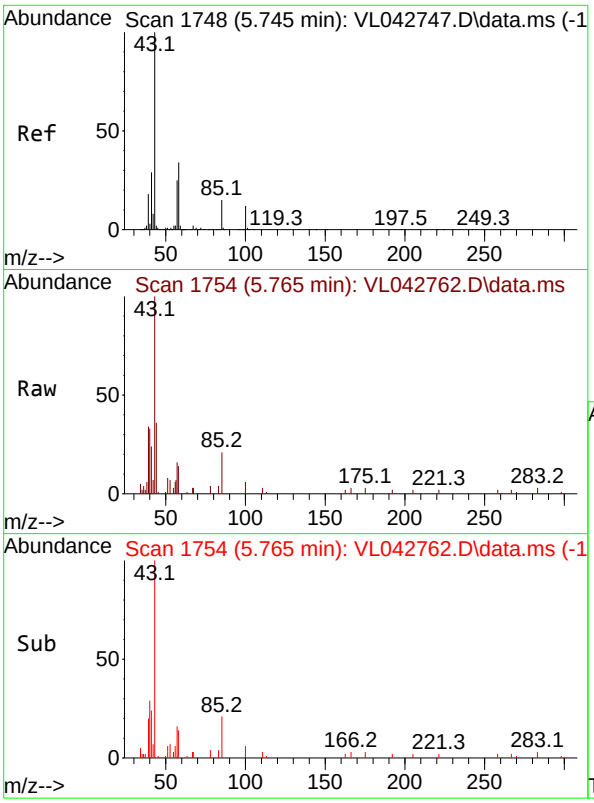


#42
Bromodichloromethane
Concen: 0.222 ppbv m
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 83 Resp: 6924

Ion	Ratio	Lower	Upper
83	100		
85	52.0	50.2	75.4
127	5.2	5.4	8.2#

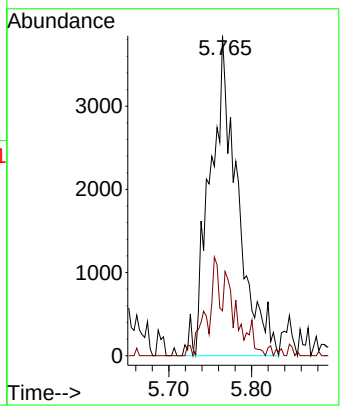




#50
4-Methyl-2-Pentanone
Concen: 0.231 ppbv m
RT: 5.765 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 885

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

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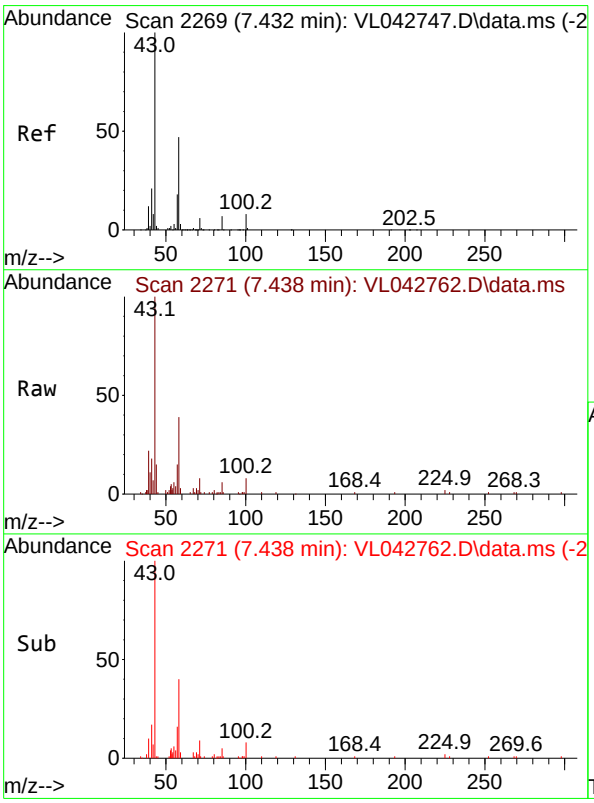
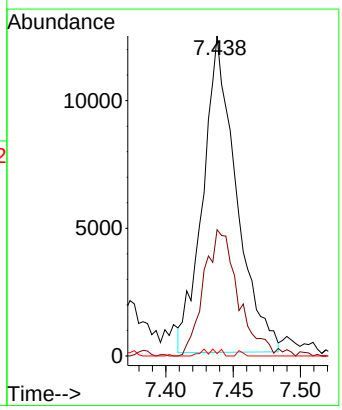
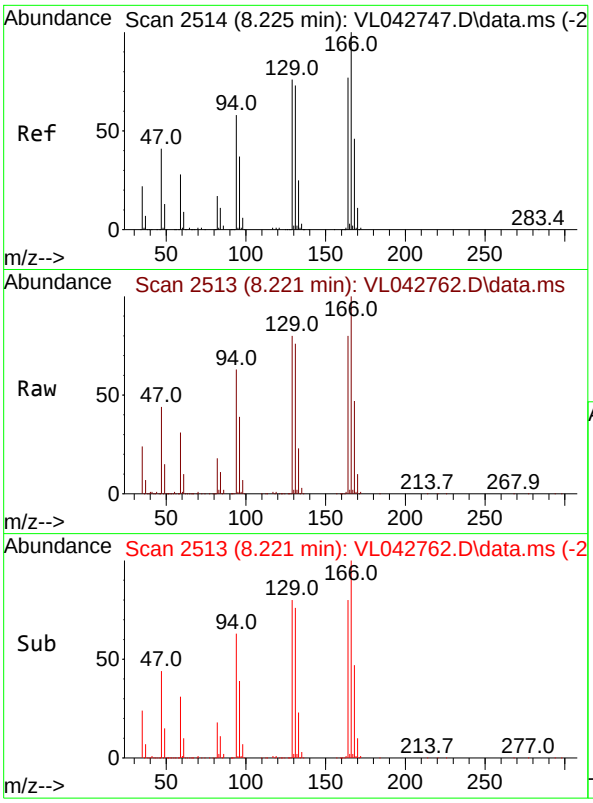


#51
2-Hexanone
Concen: 0.739 ppbv
RT: 7.438 min Scan# 2271
Delta R.T. 0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 21380

Ion	Ratio	Lower	Upper
43	100		
58	42.0	38.0	57.0
98	1.4	0.2	0.4#

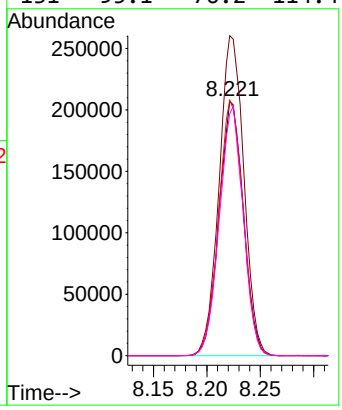




#52
Tetrachloroethene
Concen: 19.975 ppbv
RT: 8.221 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:164 Resp: 32919

Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.0	156.0
129	100.4	79.2	118.8
131	95.1	76.2	114.4



Instrument :
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ClientSampleId :
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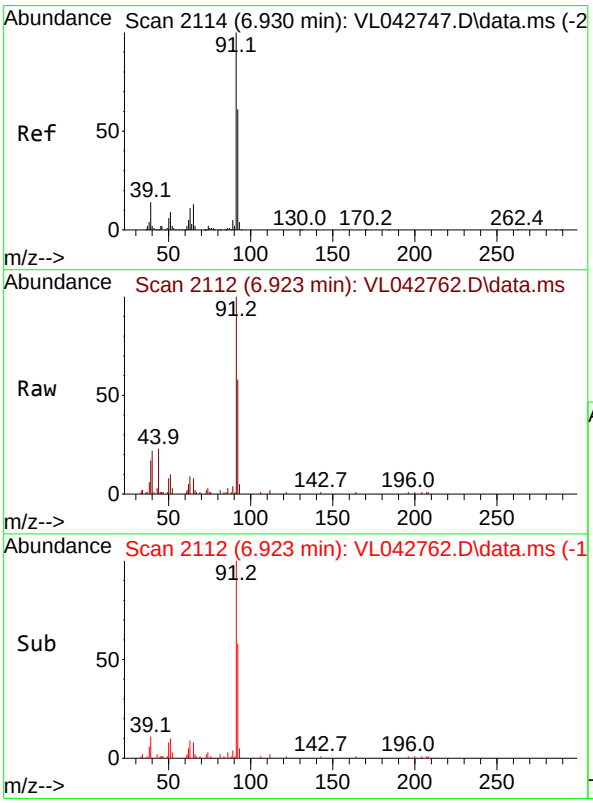
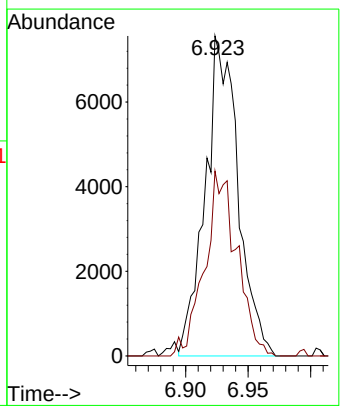
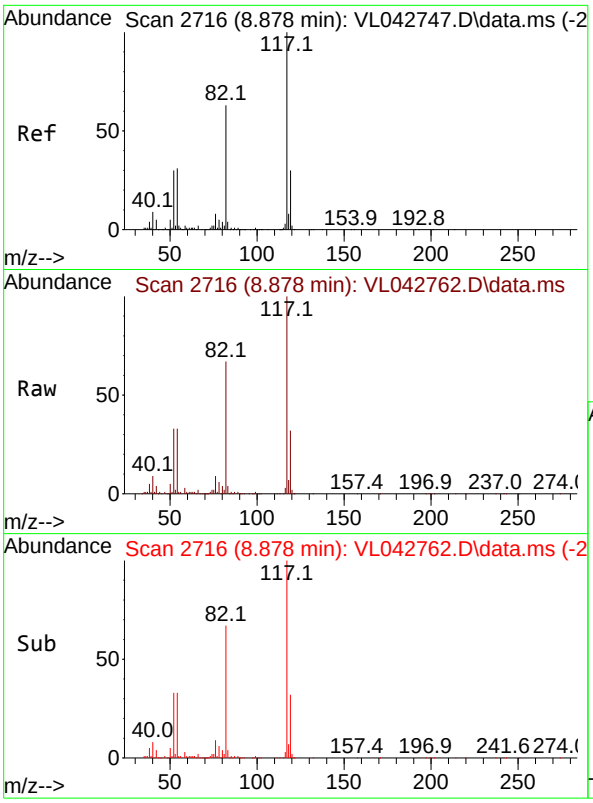


#53
Toluene
Concen: 0.325 ppbv m
RT: 6.923 min Scan# 2112
Delta R.T. -0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 91 Resp: 13871

Ion	Ratio	Lower	Upper
91	100		
92	56.6	48.0	72.0

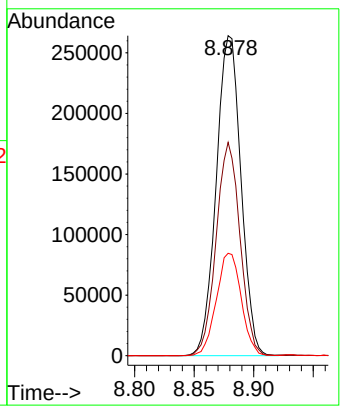




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:117 Resp: 38181

Ion	Ratio	Lower	Upper
117	100		
82	64.4	53.3	79.9
119	32.4	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

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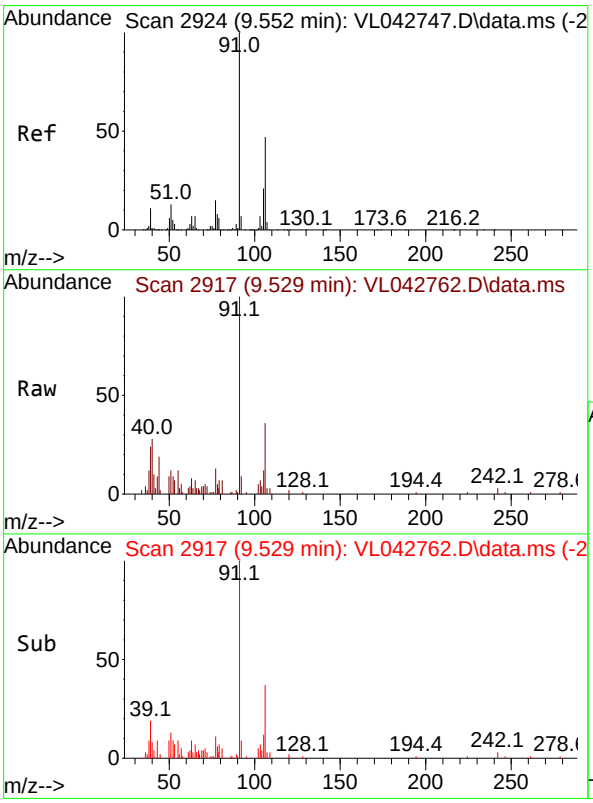
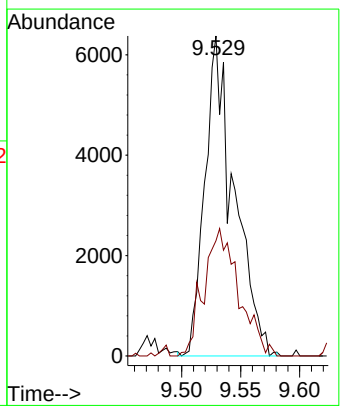
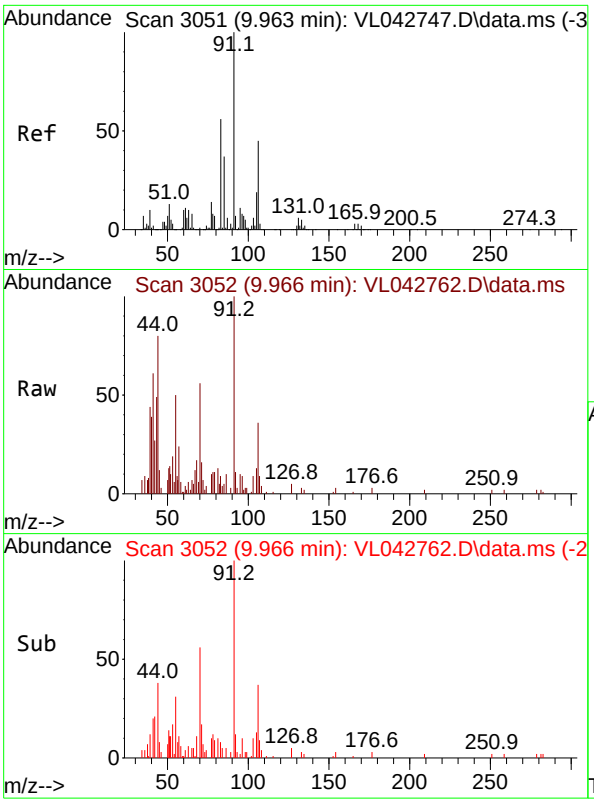


#59
m/p-Xylene
Concen: 0.228 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 91 Resp: 10979

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

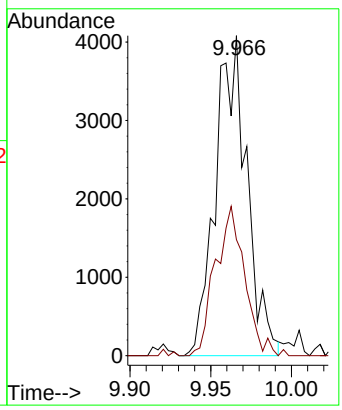




#60
o-Xylene
Concen: 0.115 ppbv m
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 91 Resp: 551

Ion	Ratio	Lower	Upper
91	100		
106	44.2	22.0	66.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

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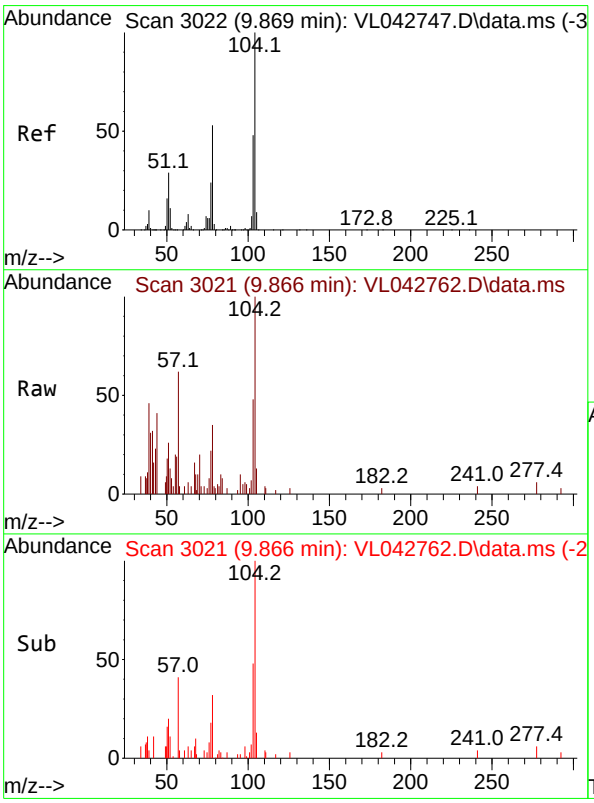
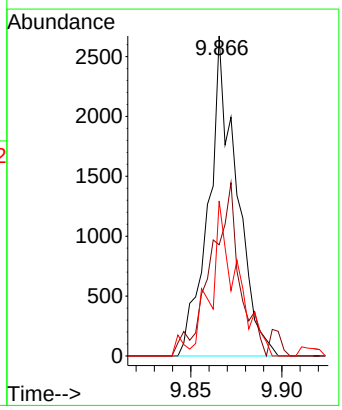
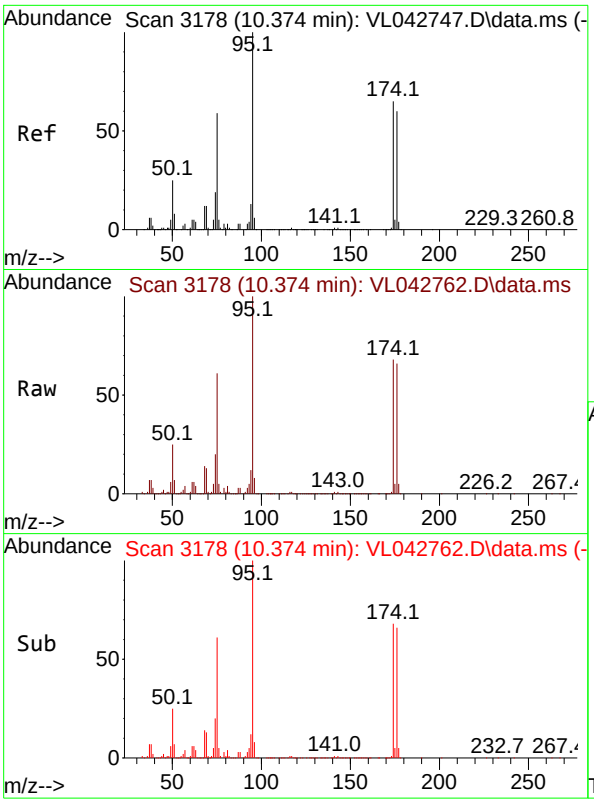


#61
Styrene
Concen: 0.141 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:104 Resp: 2858

Ion	Ratio	Lower	Upper
104	100		
78	59.1	41.5	62.3
103	46.7	37.5	56.3

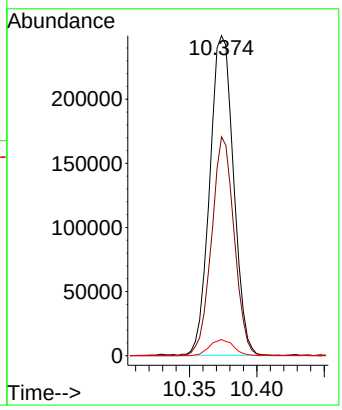




#68
1-Bromo-4-Fluorobenzene
Concen: 10.141 ppbv
RT: 10.374 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 95 Resp: 30662

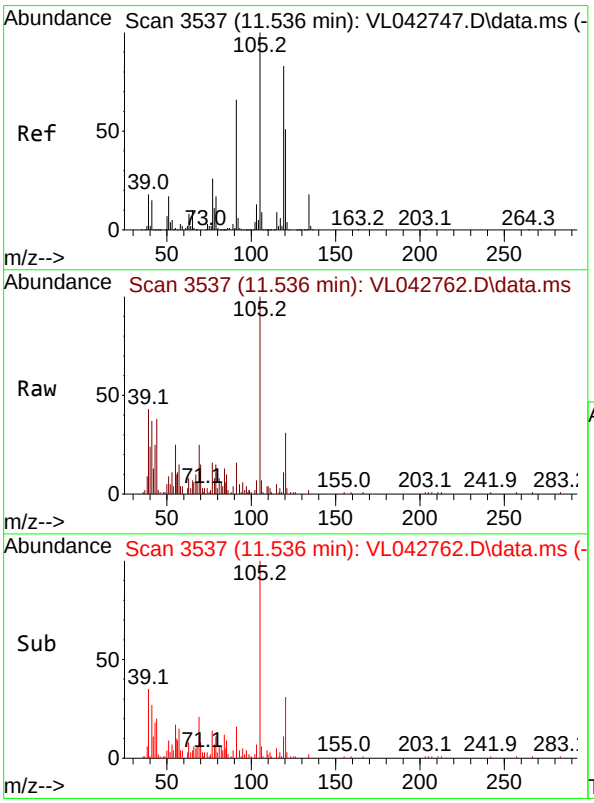
Ion	Ratio	Lower	Upper
95	100		
174	65.2	53.8	80.6
175	5.1	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
APPROVED

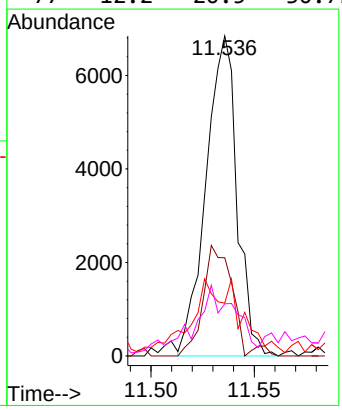
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

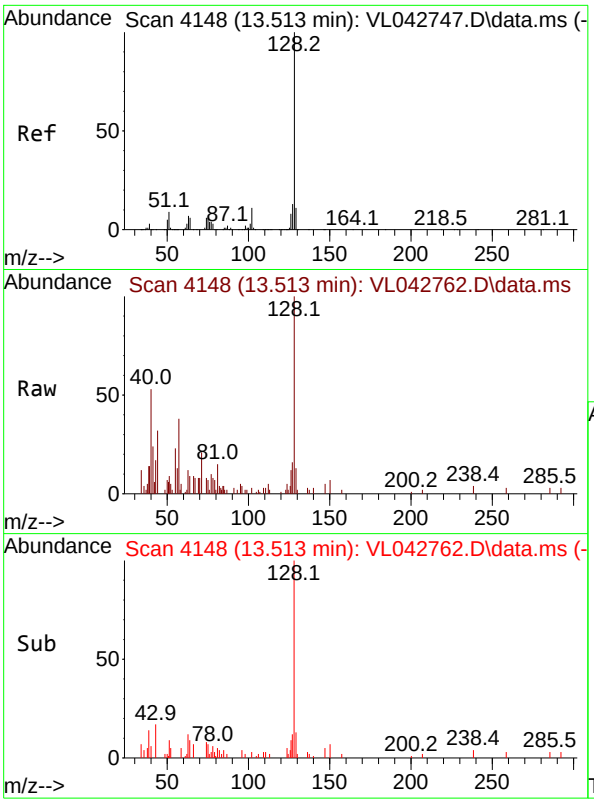


#74
1,2,4-Trimethylbenzene
Concen: 0.138 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:105 Resp: 7139

Ion	Ratio	Lower	Upper
105	100		
120	30.7	40.8	61.2#
91	13.8	53.0	79.4#
77	12.2	20.5	30.7#

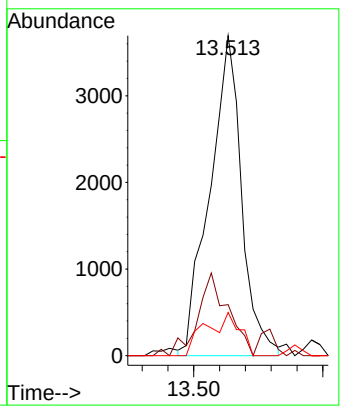




#79
Naphthalene
Concen: 0.489 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:128 Resp: 316

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	13.7	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

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:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG2DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042760.D	10		07/24/25 11:39	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77	ug/m3
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4	ug/m3
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2	ug/m3
109-99-9	Tetrahydrofuran	0.80	2.36	UD	2.36	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	4.85	15.2	ug/m3
142-82-5	Heptane	1.70	6.97	UD	6.97	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8	ug/m3
67-64-1	Acetone	21.4	50.8	D	4.28	11.9	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0	ug/m3
75-09-2	Methylene Chloride	2.30	7.99	UD	7.99	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	14.7	43.4	D	1.65	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.34	2.14	D	1.57	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	3.93	19.8	ug/m3
67-66-3	Chloroform	20.7	101	D	4.69	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.43	2.35	D	0.87	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4	ug/m3
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	3.76	20.2	ug/m3
79-01-6	Trichloroethene	20.5	110	D	1.29	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1	ug/m3
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	UD	6.03	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG2DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042760.D	10		07/24/25 11:39	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69	ug/m3
127-18-4	Tetrachloroethene	18.9	128	D	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0	ug/m3
100-41-4	Ethyl Benzene	1.90	8.25	UD	8.25	21.7	ug/m3
179601-23-1	m/p-Xylene	4.10	17.8	UD	17.8	43.4	ug/m3
95-47-6	o-Xylene	2.10	9.12	UD	9.12	21.7	ug/m3
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3	ug/m3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3	ug/m3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1	ug/m3
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24	ug/m3
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6	ug/m3
110-54-3	Hexane	2.30	8.11	JD	5.64	17.6	ug/m3
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7	ug/m3
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0	ug/m3
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	156000		2.784			
540-36-3	1,4-Difluorobenzene	430000		3.952			
3114-55-4	Chlorobenzene-d5	375000		8.878			

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG2DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-04DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042760.D	10		07/24/25 11:39	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042760.D
Acq On : 24 Jul 2025 11:39
Operator : SY/MD
Sample : Q2671-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	156495	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	430230	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	375286	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	293938	9.890	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.900%				
Target Compounds							Qvalue
9) Propene	1.483	41	7762	0.792	ppbv		86
13) Ethanol	1.719	45	49390	68.091	ppbv		92
15) Acetone	1.835	43	46128	2.135	ppbv		99
26) Hexane	2.823	57	4829	0.230	ppbv	#	47
29) Chloroform	2.848	83	67233	2.074	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	1443m	0.043	ppbv		
34) 2-Butanone	2.557	43	44716	1.467	ppbv		99
35) Carbon Tetrachloride	3.751	117	1090m	0.034	ppbv		
38) Trichloroethene	4.541	130	40151	2.050	ppbv		96
52) Tetrachloroethene	8.218	164	31954	1.891	ppbv		94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042760.D
Acq On : 24 Jul 2025 11:39
Operator : SY/MD
Sample : Q2671-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
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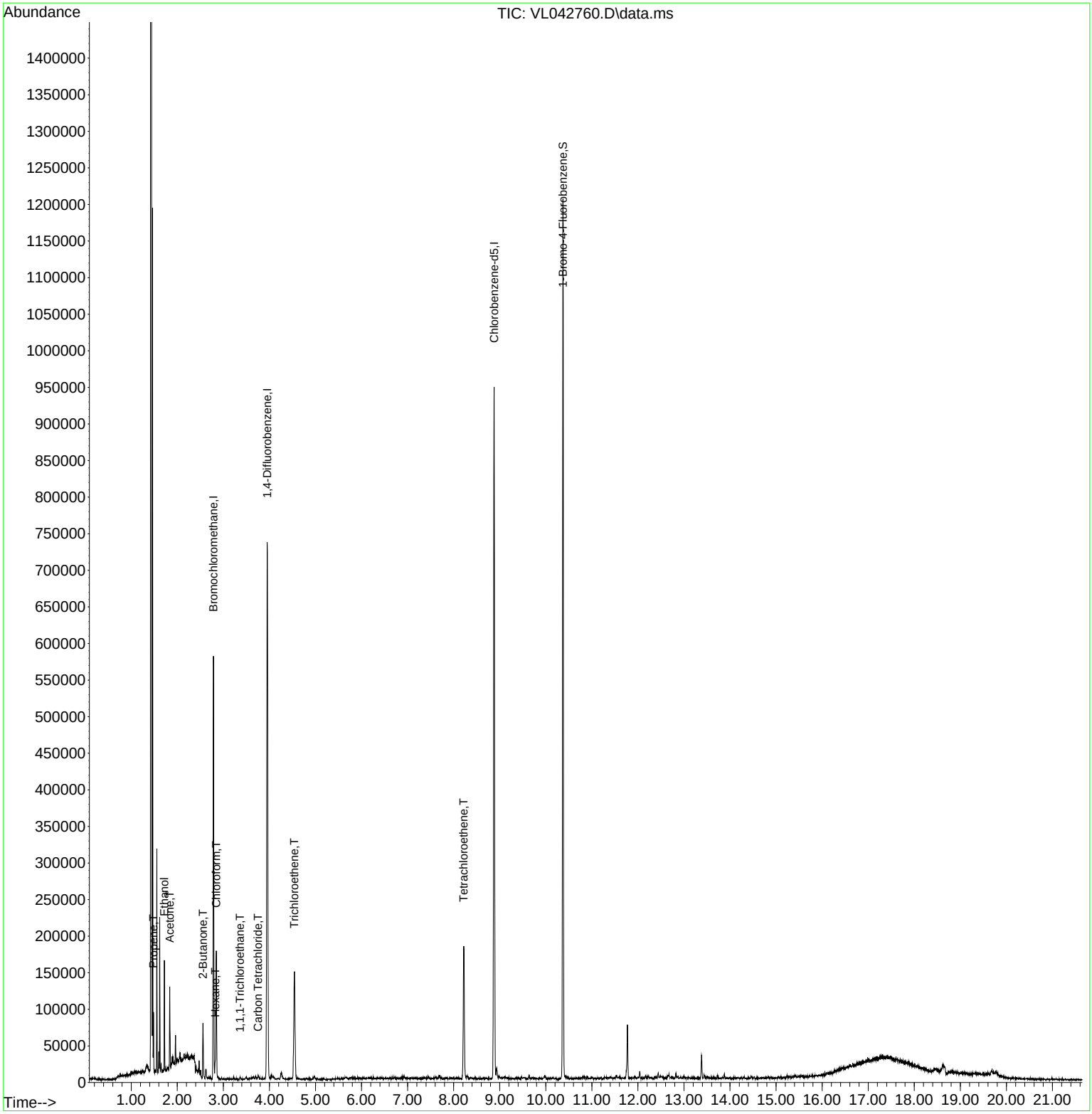
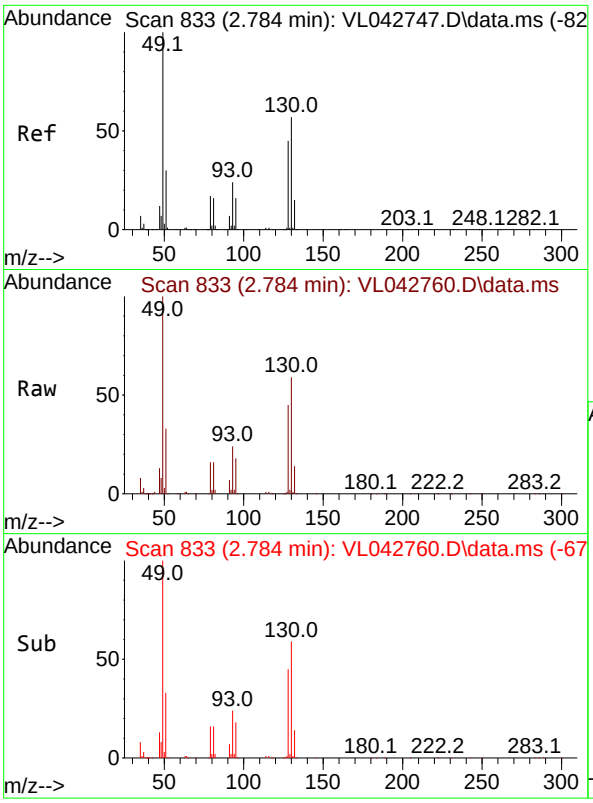
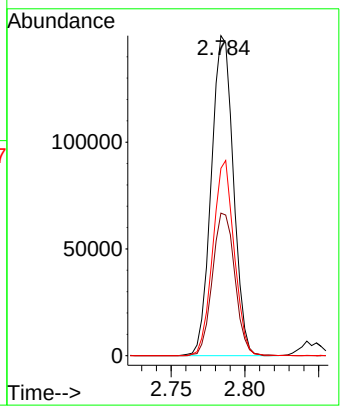




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 49 Resp: 15649

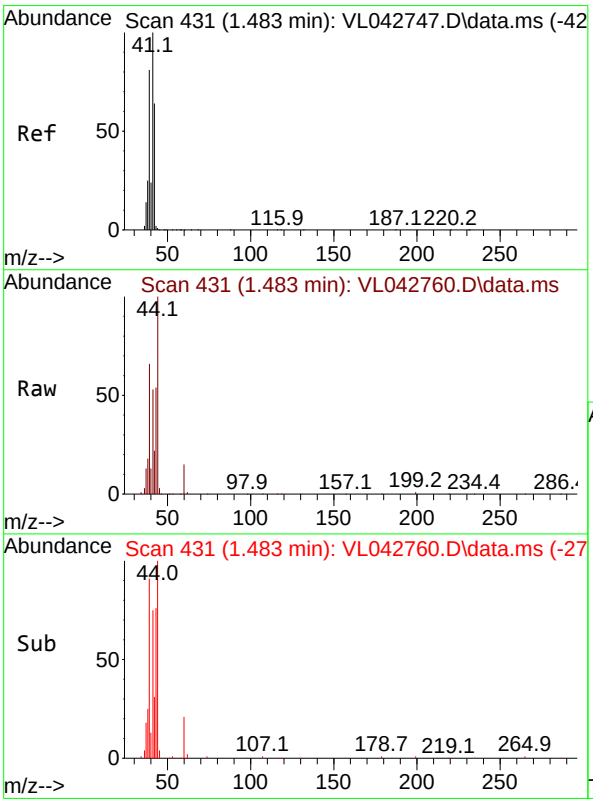
Ion	Ratio	Lower	Upper
49	100		
128	45.2	23.6	71.0
130	58.9	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
APPROVED

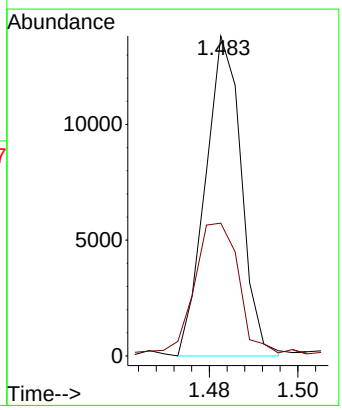
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

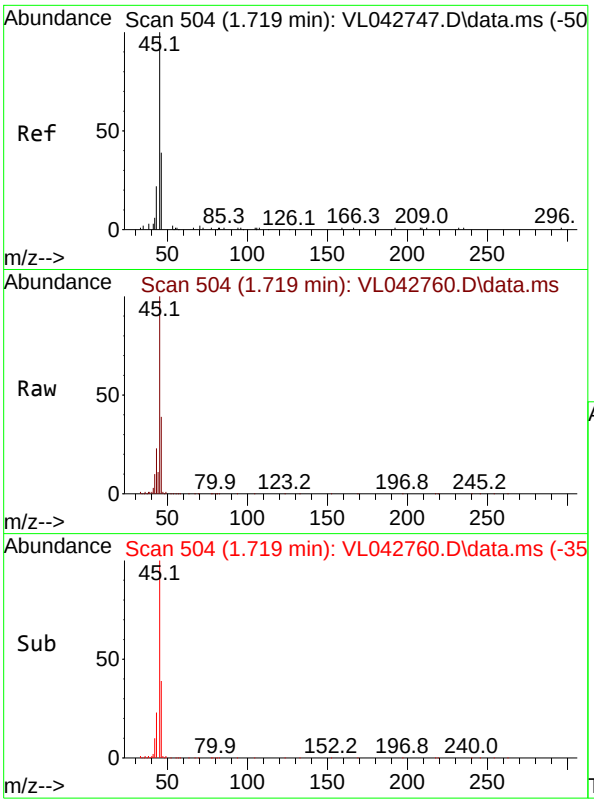


#9
Propene
Concen: 0.792 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 41 Resp: 7762

Ion	Ratio	Lower	Upper
41	100		
42	55.5	53.2	79.8

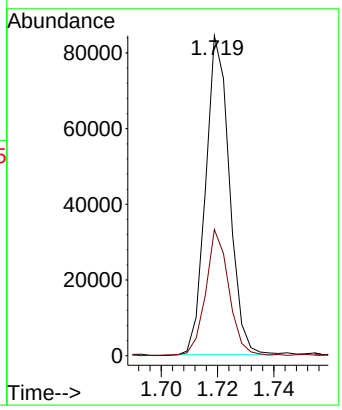




#13
Ethanol
Concen: 68.091 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 45 Resp: 4939(

Ion	Ratio	Lower	Upper
45	100		
46	39.6	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
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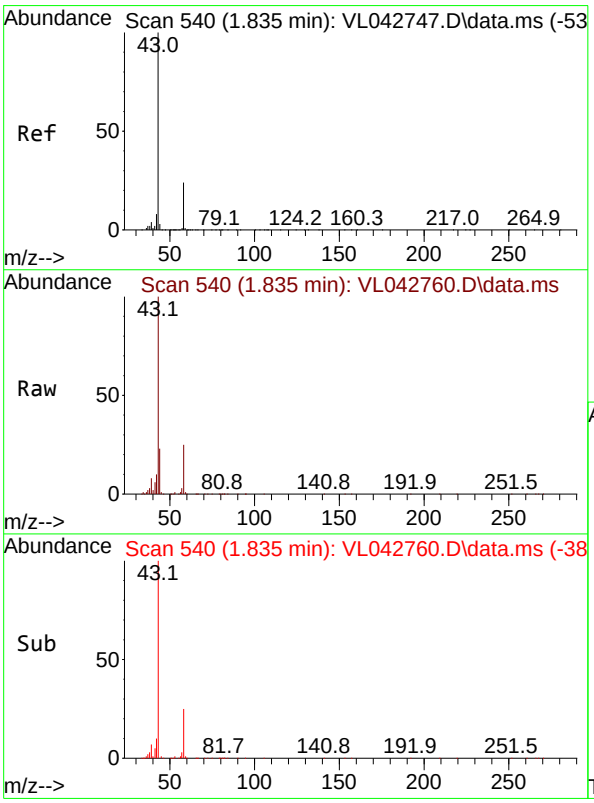
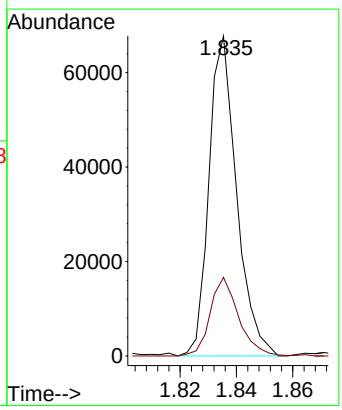
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

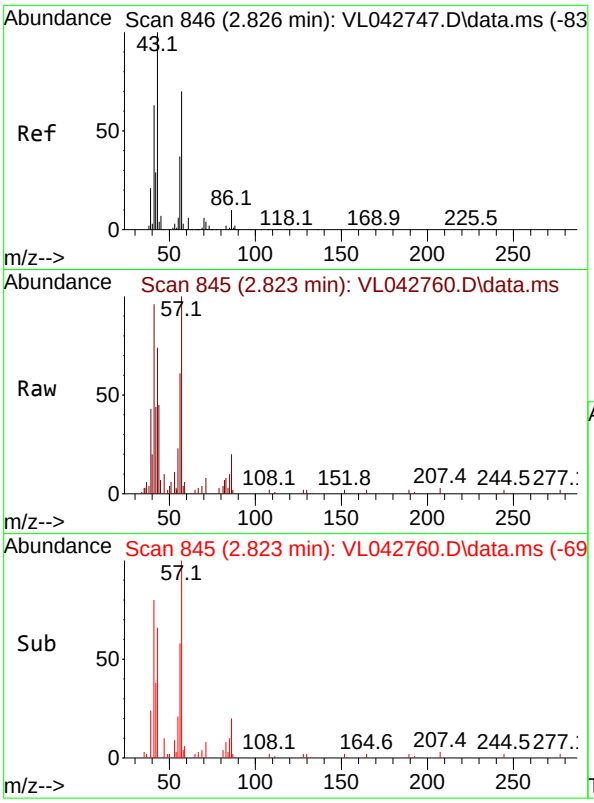


#15
Acetone
Concen: 2.135 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 43 Resp: 46128

Ion	Ratio	Lower	Upper
43	100		
58	25.4	19.8	29.8

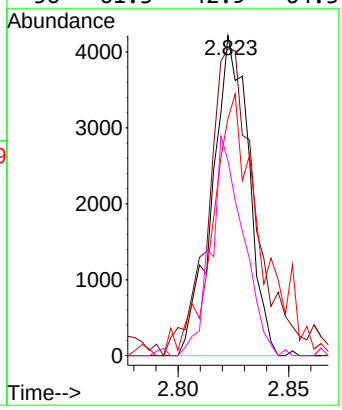




#26
Hexane
Concen: 0.230 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 57 Resp: 482

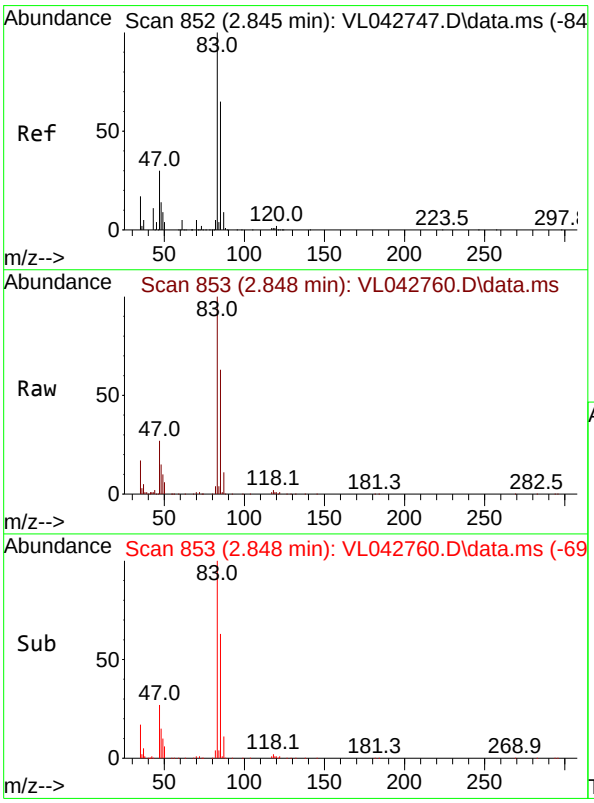
Ion	Ratio	Lower	Upper
57	100		
41	130.1	75.4	113.2#
43	115.8	185.0	277.6#
56	61.3	42.9	64.3



Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
APPROVED

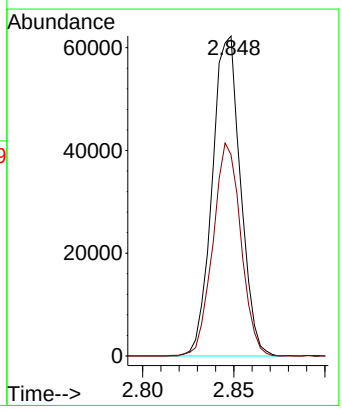
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

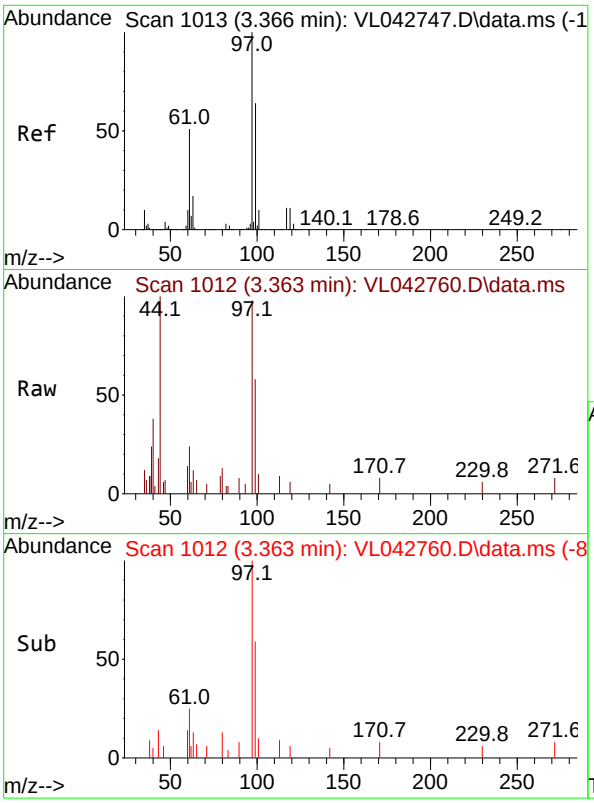


#29
Chloroform
Concen: 2.074 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 83 Resp: 67233

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2

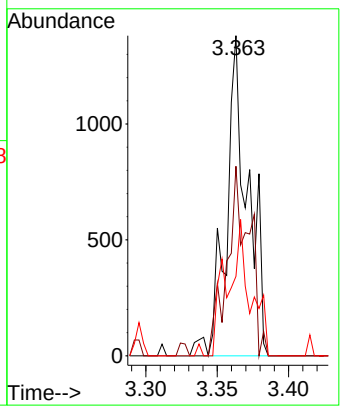




#32
1,1,1-Trichloroethane
Concen: 0.043 ppbv m
RT: 3.363 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 97 Resp: 144

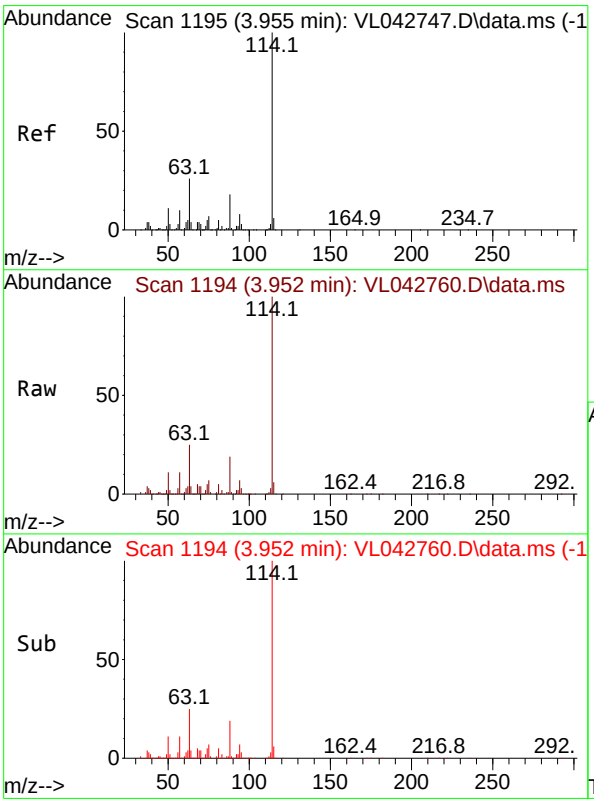
Ion	Ratio	Lower	Upper
97	100		
99	2.1	51.0	76.6#
61	1.7	40.9	61.3#



Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
APPROVED

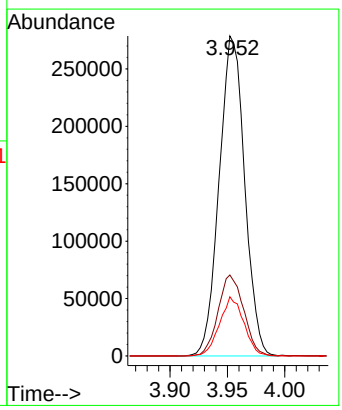
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

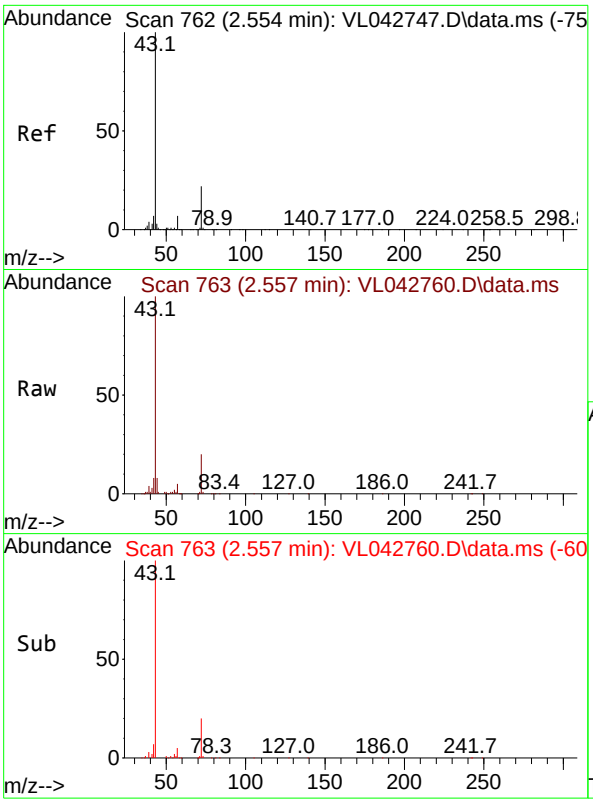


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:114 Resp: 430230

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.5	30.7
88	17.6	14.0	21.0





#34
2-Butanone
Concen: 1.467 ppbv
RT: 2.557 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 43 Resp: 4471

Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.4	26.0

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
APPROVED

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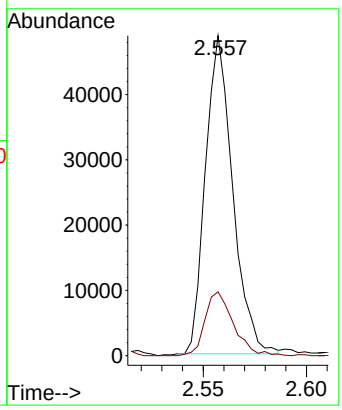
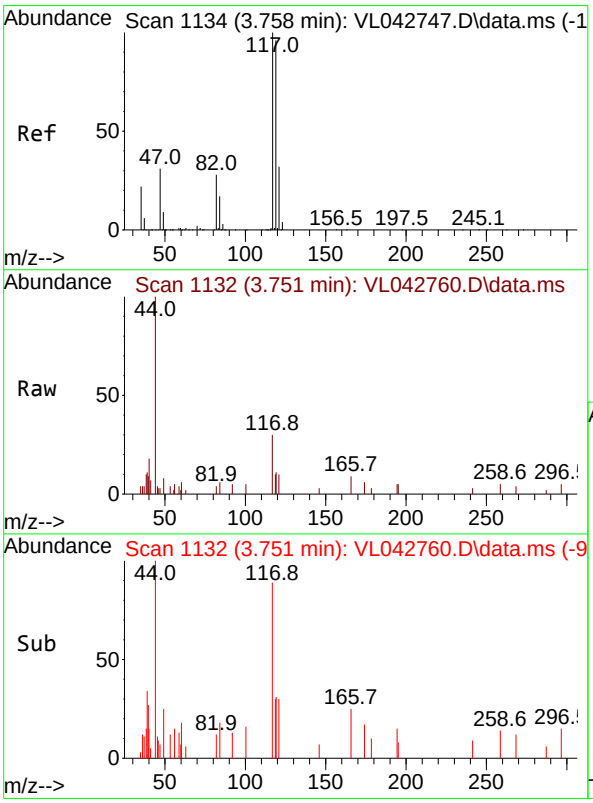
Supervised By :Mahesh Dadoda 07/25/2025

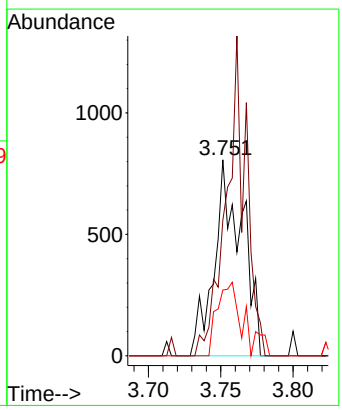


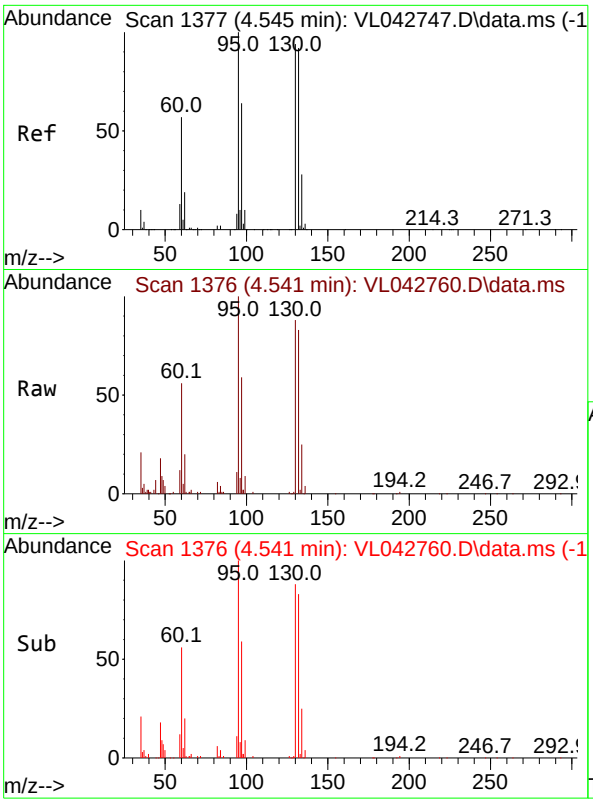


#35
Carbon Tetrachloride
Concen: 0.034 ppbv m
RT: 3.751 min Scan# 1132
Delta R.T. -0.007 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:117 Resp: 1090

Ion	Ratio	Lower	Upper
117	100		
119	35.4	77.1	115.7#
121	33.6	25.5	38.3

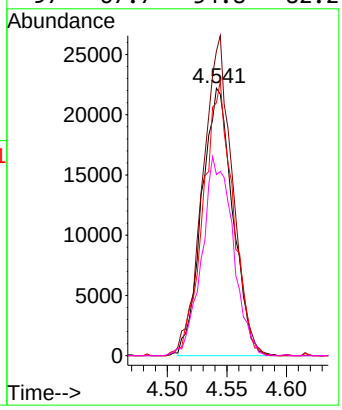




#38
Trichloroethene
Concen: 2.050 ppbv
RT: 4.541 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:130 Resp: 4015

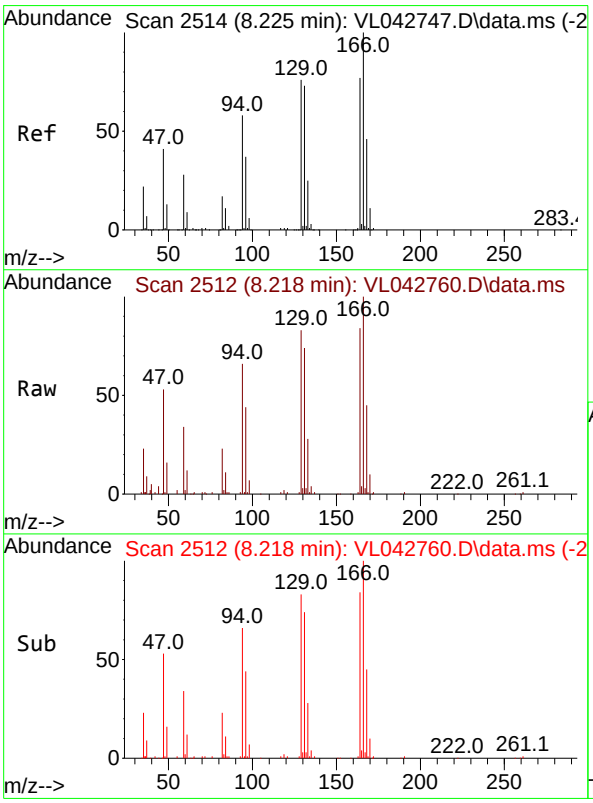
Ion	Ratio	Lower	Upper
130	100		
95	113.9	85.4	128.2
132	94.6	78.2	117.2
97	67.7	54.8	82.2



Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
APPROVED

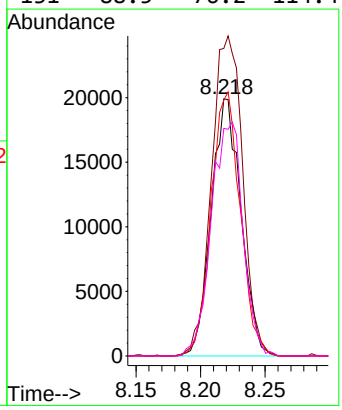
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

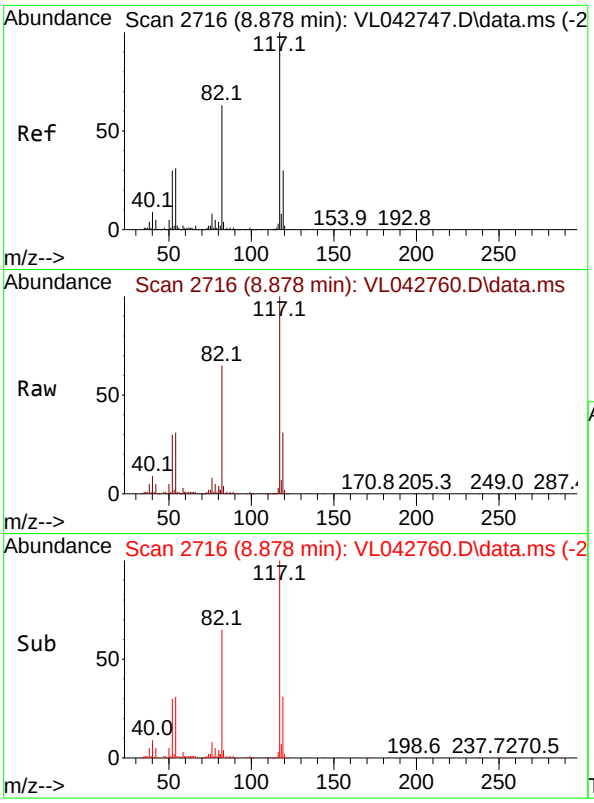


#52
Tetrachloroethene
Concen: 1.891 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:164 Resp: 31954

Ion	Ratio	Lower	Upper
164	100		
166	119.6	104.0	156.0
129	99.4	79.2	118.8
131	88.5	76.2	114.4

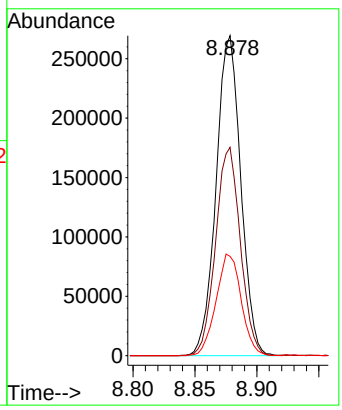




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:117 Resp: 37528

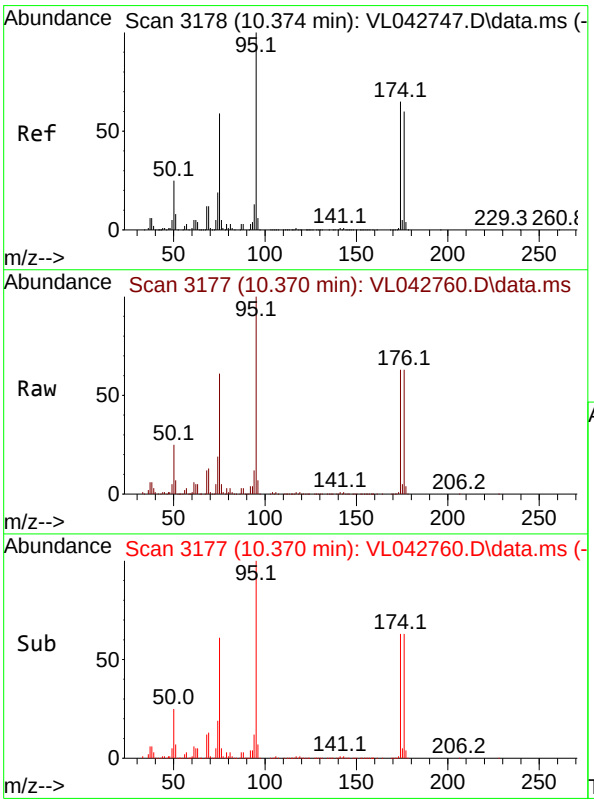
Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.3	79.9
119	32.4	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Manual Integrations
APPROVED

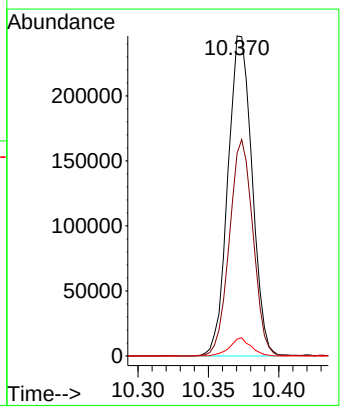
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 95 Resp: 293938

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	5.0	4.0	6.0



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG1	SDG No.:	Q2671
Lab Sample ID:	Q2671-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042763.D	2		07/24/25 13:52	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.47	2.32	J	1.09	4.94	ug/m3
74-87-3	Chloromethane	2.40	4.96		0.41	2.07	ug/m3
75-01-4	Vinyl Chloride	0.050	0.13	U	0.13	0.15	ug/m3
74-83-9	Bromomethane	0.15	0.58	U	0.58	3.88	ug/m3
75-00-3	Chloroethane	0.30	0.79	U	0.79	2.64	ug/m3
109-99-9	Tetrahydrofuran	3.30	9.73		0.47	2.95	ug/m3
75-69-4	Trichlorofluoromethane	0.34	1.91	U	1.91	5.62	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2.15	7.66	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2.10	6.99	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	J	0.97	3.03	ug/m3
142-82-5	Heptane	0.34	1.39	U	1.39	4.10	ug/m3
75-35-4	1,1-Dichloroethene	0.30	1.19	U	1.19	3.96	ug/m3
67-64-1	Acetone	44.6	106	E	0.86	2.38	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	3.11	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	1.66	3.61	ug/m3
75-09-2	Methylene Chloride	0.46	1.60	U	1.60	3.47	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	0.95	3.96	ug/m3
75-34-3	1,1-Dichloroethane	0.26	1.05	U	1.05	4.05	ug/m3
110-82-7	Cyclohexane	0.44	1.51	U	1.51	3.44	ug/m3
78-93-3	2-Butanone	15.7	46.3		0.32	2.95	ug/m3
56-23-5	Carbon Tetrachloride	0.10	0.63		0.31	0.38	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	0.79	3.96	ug/m3
67-66-3	Chloroform	0.19	0.93	U	0.93	4.88	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55		0.16	0.33	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	1.31	4.67	ug/m3
71-43-2	Benzene	0.29	0.93	J	0.51	3.19	ug/m3
107-06-2	1,2-Dichloroethane	0.19	0.77	U	0.77	4.05	ug/m3
79-01-6	Trichloroethene	0.35	1.88		0.27	0.32	ug/m3
78-87-5	1,2-Dichloropropane	0.26	1.20	U	1.20	4.62	ug/m3
75-27-4	Bromodichloromethane	0.13	0.87	U	0.87	6.70	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	0.78	4.10	ug/m3
108-88-3	Toluene	0.35	1.32	J	1.21	3.77	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	1.36	4.54	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	1.00	4.54	ug/m3
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	0.87	5.46	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG1	SDG No.:	Q2671
Lab Sample ID:	Q2671-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042763.D	2		07/24/25 13:52	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.17	1.45	U	1.45	8.52	ug/m3
106-93-4	1,2-Dibromoethane	0.17	1.31	U	1.31	1.54	ug/m3
127-18-4	Tetrachloroethene	0.63	4.27		0.20	0.41	ug/m3
108-90-7	Chlorobenzene	0.15	0.69	U	0.69	4.61	ug/m3
100-41-4	Ethyl Benzene	0.38	1.65	U	1.65	4.34	ug/m3
179601-23-1	m/p-Xylene	0.82	3.56	U	3.56	8.69	ug/m3
95-47-6	o-Xylene	0.42	1.82	U	1.82	4.34	ug/m3
100-42-5	Styrene	0.32	1.36	U	1.36	4.26	ug/m3
75-25-2	Bromoform	0.10	1.03	U	1.03	10.3	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.41	ug/m3
95-49-8	2-Chlorotoluene	0.34	1.76	U	1.76	5.18	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	1.77	4.92	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	1.77	4.92	ug/m3
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	0.66	6.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	1.56	6.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	1.56	6.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	3.12	7.42	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2.77	10.7	ug/m3
106-99-0	1,3-Butadiene	0.10	0.22	U	0.22	2.21	ug/m3
91-20-3	Naphthalene	0.91	4.77		0.16	1.05	ug/m3
622-96-8	4-Ethyltoluene	0.42	2.06	U	2.06	4.92	ug/m3
110-54-3	Hexane	0.65	2.29	J	1.13	3.52	ug/m3
107-05-1	Allyl Chloride	0.22	0.69	U	0.69	3.13	ug/m3
123-91-1	1,4-Dioxane	0.44	1.59	U	1.59	3.60	ug/m3
80-62-6	Methyl Methacrylate	0.28	1.15	U	1.15	4.09	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	153000		2.787			
540-36-3	1,4-Difluorobenzene	424000		3.959			
3114-55-4	Chlorobenzene-d5	382000		8.885			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG1	SDG No.:	Q2671
Lab Sample ID:	Q2671-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042763.D	2		07/24/25 13:52	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042763.D
Acq On : 24 Jul 2025 13:52
Operator : SY/MD
Sample : Q2671-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	152545	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	423795	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	382302	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	301001	9.942	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4755	0.236	ppbv		97
4) Chloromethane	1.535	50	9639	1.181	ppbv	#	82
9) Propene	1.486	41	13877	1.453	ppbv		93
10) Heptane	4.985	43	2740m	0.106	ppbv		
11) Trichlorofluoromethane	1.881	101	2383	0.115	ppbv		85
13) Ethanol	1.722	45	38097	53.641	ppbv		90
15) Acetone	1.836	43	469831	22.305	ppbv		97
17) tert-Butyl alcohol	2.046	59	4732	0.249	ppbv	#	77
19) Isopropyl Alcohol	1.887	45	23494m	2.099	ppbv		
26) Hexane	2.826	57	6609	0.323	ppbv	#	2
32) 1,1,1-Trichloroethane	3.373	97	1580m	0.048	ppbv		
34) 2-Butanone	2.557	43	235290	7.838	ppbv		99
35) Carbon Tetrachloride	3.765	117	1556m	0.049	ppbv		
36) Benzene	3.658	78	5821	0.145	ppbv	#	92
38) Trichloroethene	4.548	130	3421m	0.177	ppbv		
41) Tetrahydrofuran	3.056	42	25066m	1.641	ppbv		
51) 2-Hexanone	7.445	43	15306	0.524	ppbv	#	98
52) Tetrachloroethene	8.225	164	5241	0.315	ppbv	#	77
53) Toluene	6.940	91	7531m	0.175	ppbv		
59) m/p-Xylene	9.536	91	5874m	0.122	ppbv		
79) Naphthalene	13.513	128	1249m	0.456	ppbv		

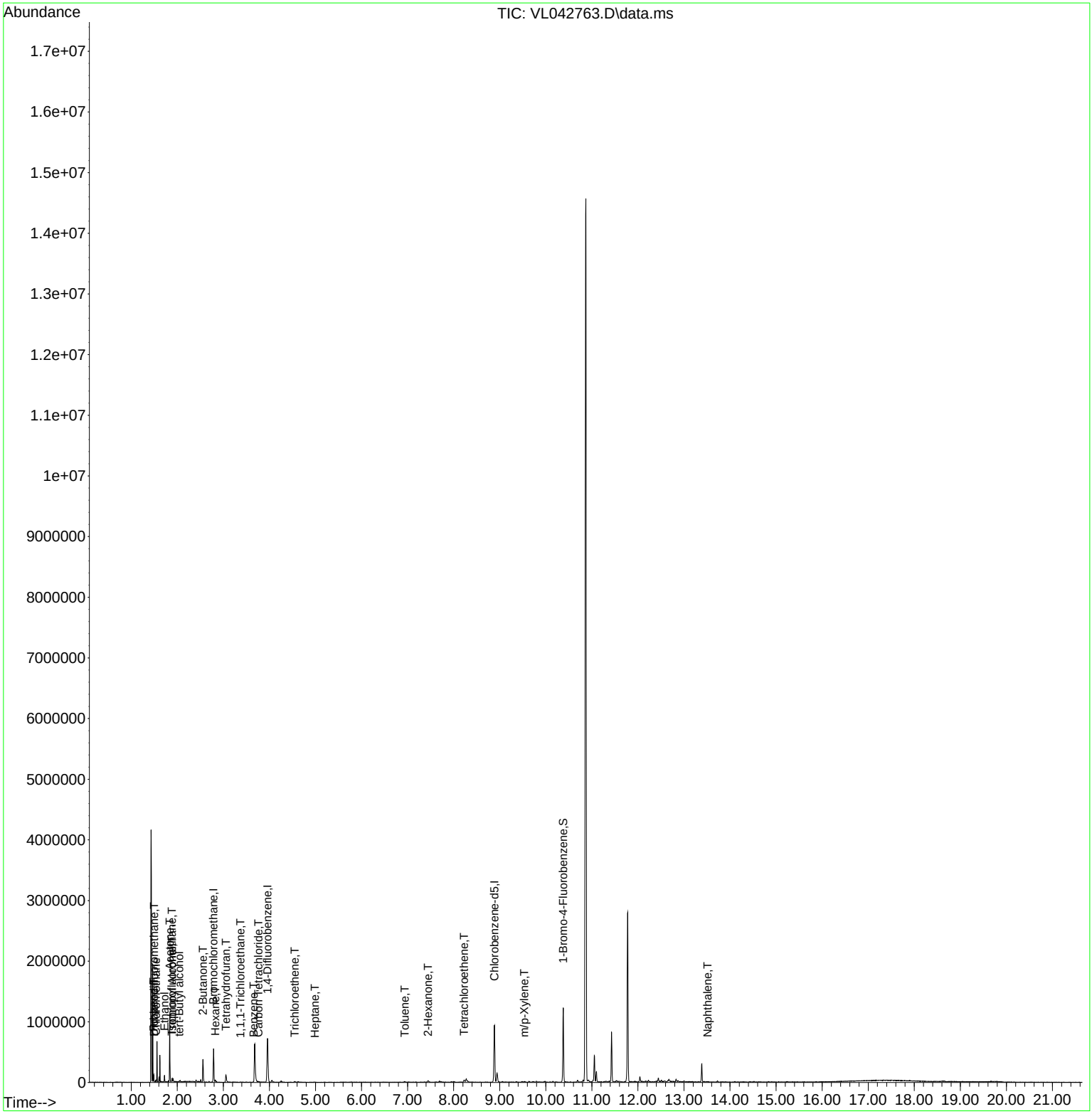
(#) = qualifier out of range (m) = manual integration (+) = signals summed

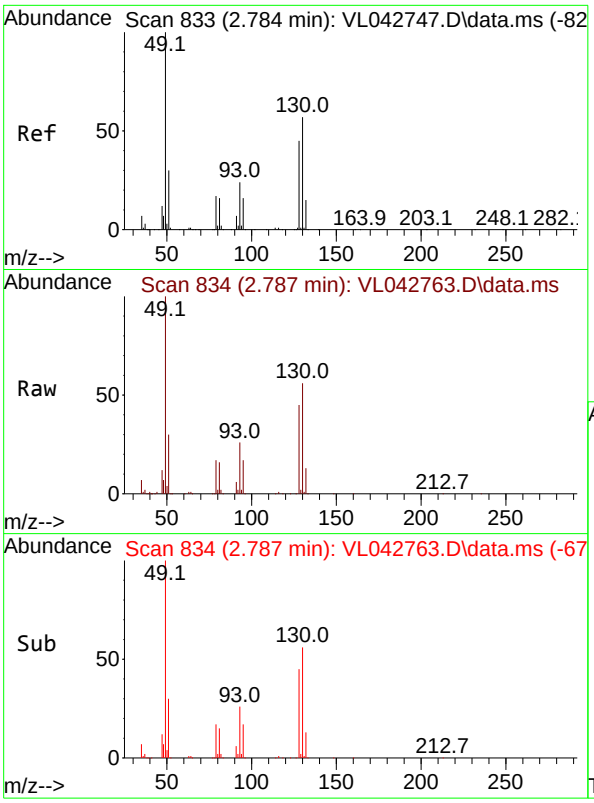
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042763.D
Acq On : 24 Jul 2025 13:52
Operator : SY/MD
Sample : Q2671-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

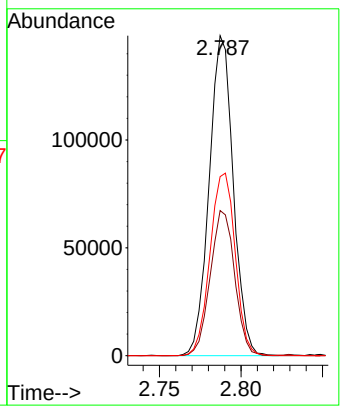




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 49 Resp: 15254

Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.6	71.0
130	59.7	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations
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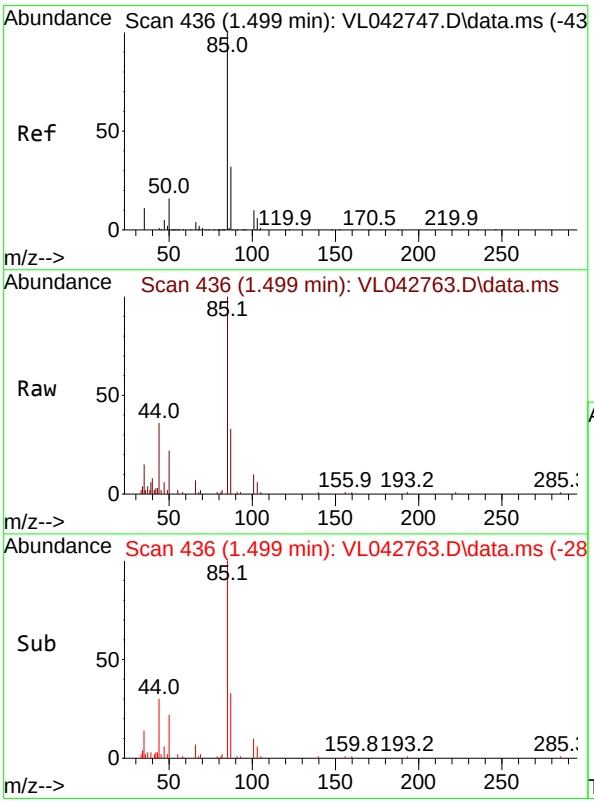
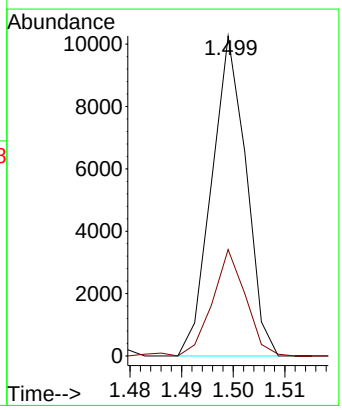
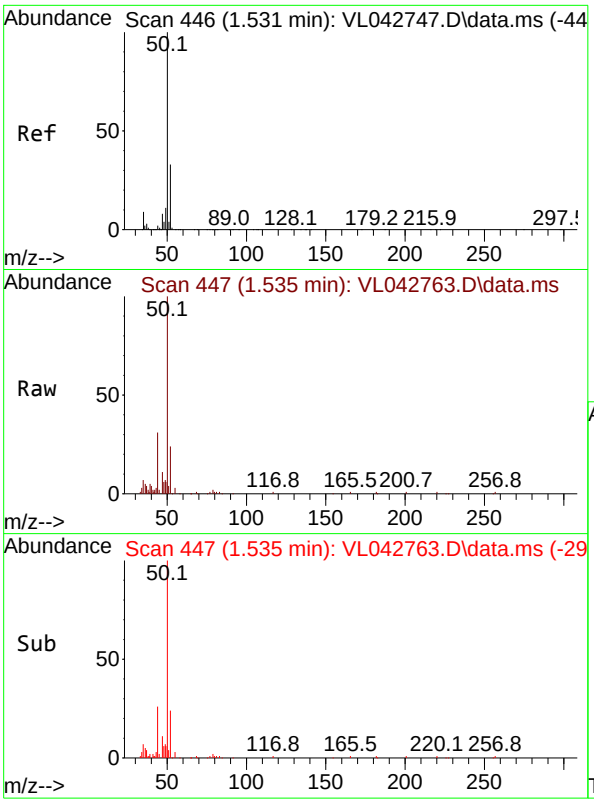


#2
Dichlorodifluoromethane
Concen: 0.236 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 85 Resp: 4755

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.4	38.2

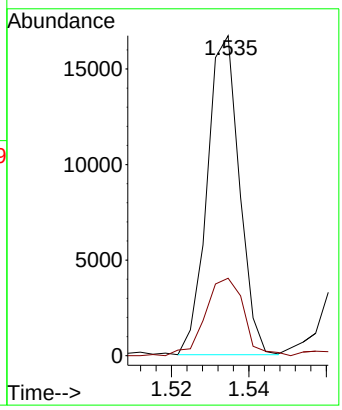




#4
Chloromethane
Concen: 1.181 ppbv
RT: 1.535 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 50 Resp: 963

Ion	Ratio	Lower	Upper
50	100		
52	23.3	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

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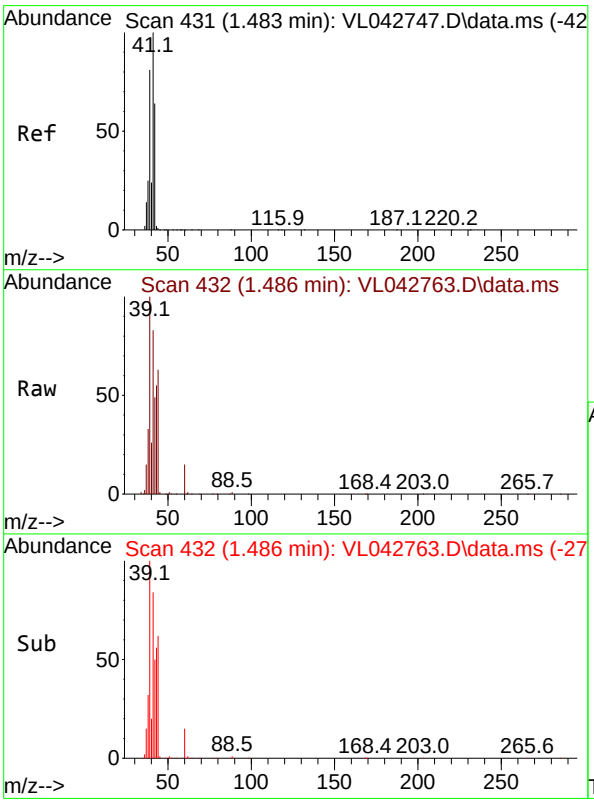
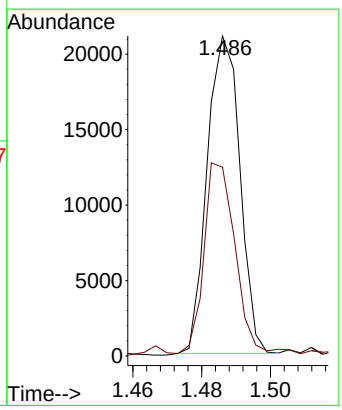
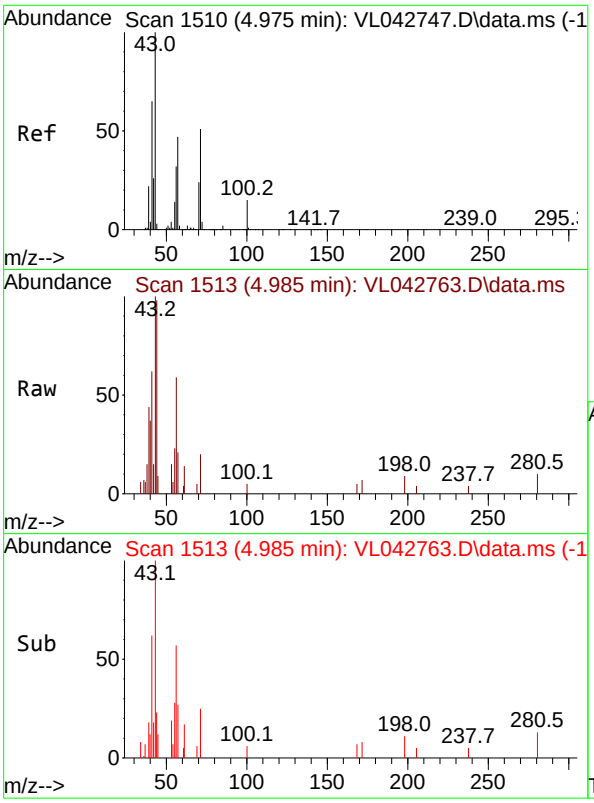


#9
Propene
Concen: 1.453 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 41 Resp: 13877

Ion	Ratio	Lower	Upper
41	100		
42	60.8	53.2	79.8

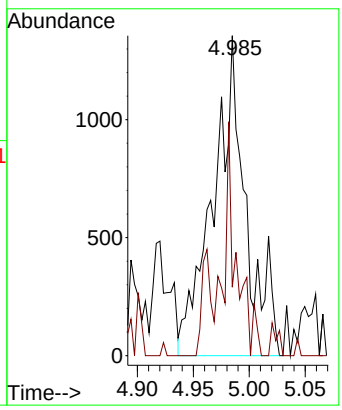




#10
Heptane
Concen: 0.106 ppbv m
RT: 4.985 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 274

Ion	Ratio	Lower	Upper
43	100		
57	38.3	39.9	59.9



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

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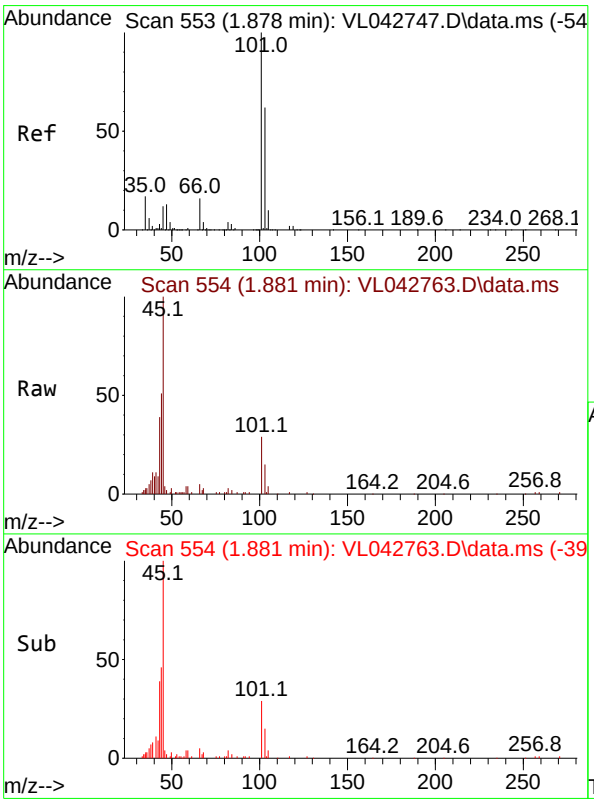
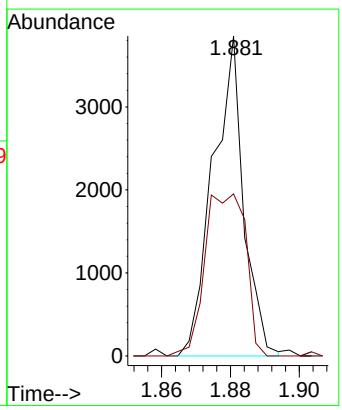
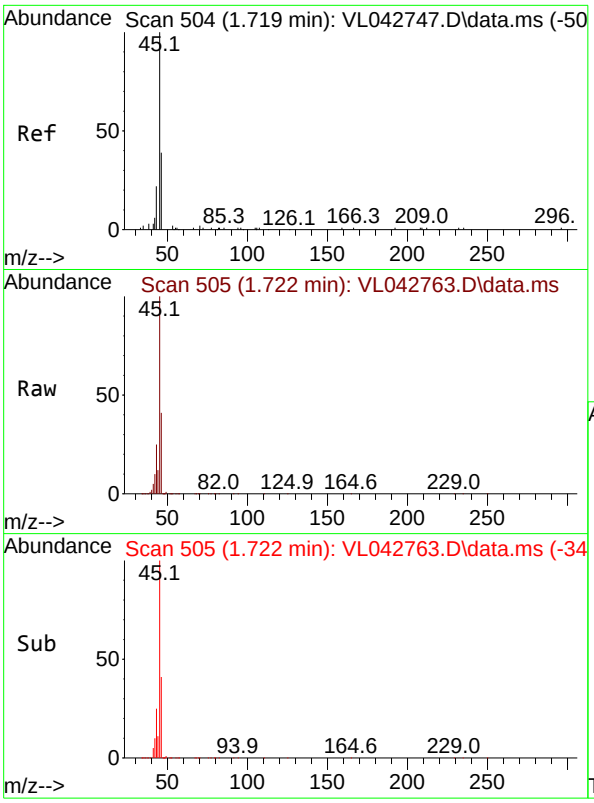


#11
Trichlorofluoromethane
Concen: 0.115 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:101 Resp: 2383

Ion	Ratio	Lower	Upper
101	100		
103	50.6	49.6	74.4

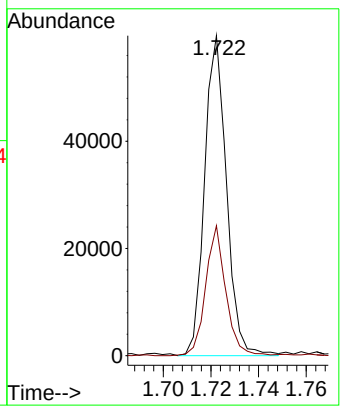




#13
Ethanol
Concen: 53.641 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 45 Resp: 3809

Ion	Ratio	Lower	Upper
45	100		
46	38.1	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

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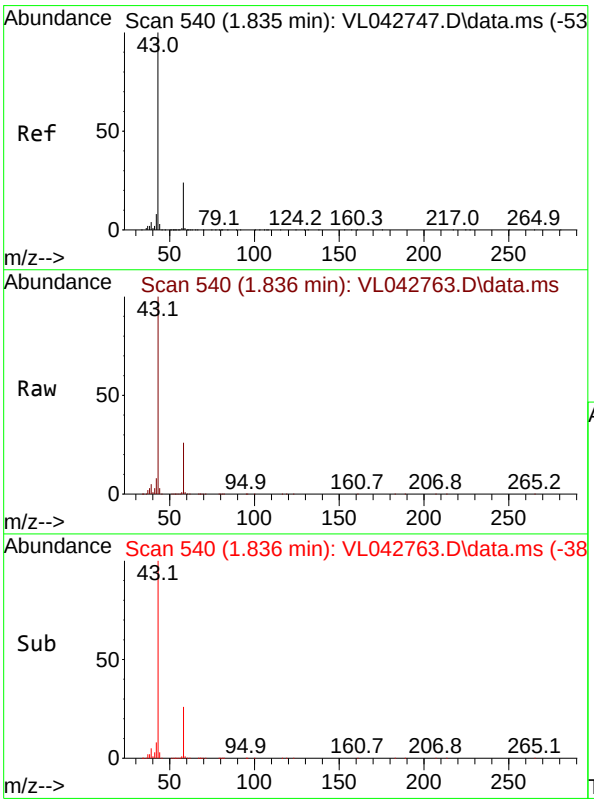
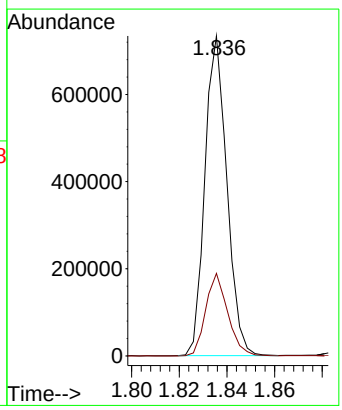
Supervised By :Mahesh Dadoda 07/26/2025

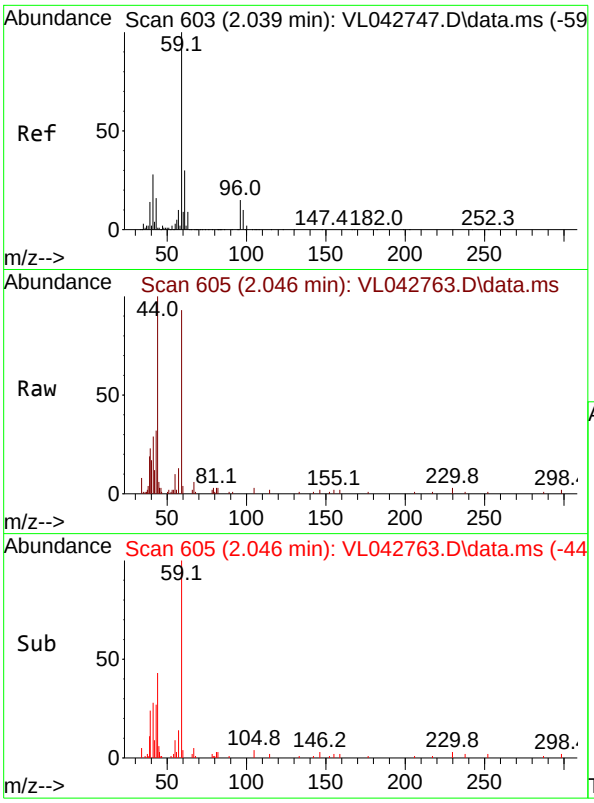


#15
Acetone
Concen: 22.305 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 469831

Ion	Ratio	Lower	Upper
43	100		
58	26.3	19.8	29.8

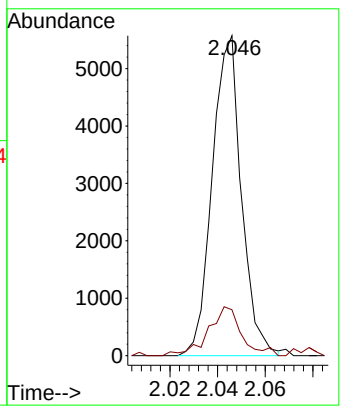




#17
tert-Butyl alcohol
Concen: 0.249 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 59 Resp: 473

Ion	Ratio	Lower	Upper
59	100		
57	18.9	8.3	12.5#



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

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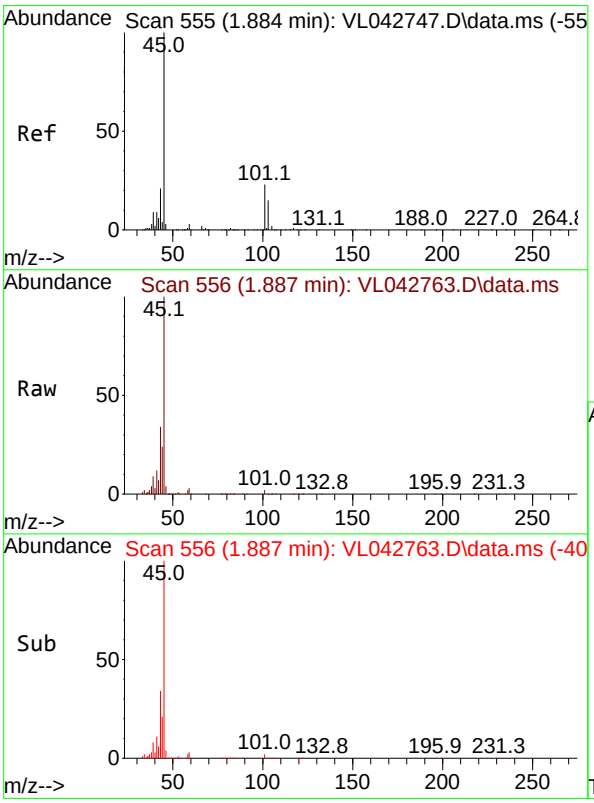
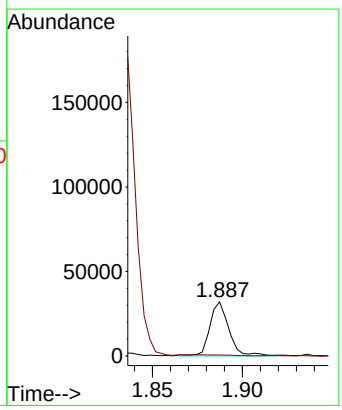
Supervised By :Mahesh Dadoda 07/26/2025

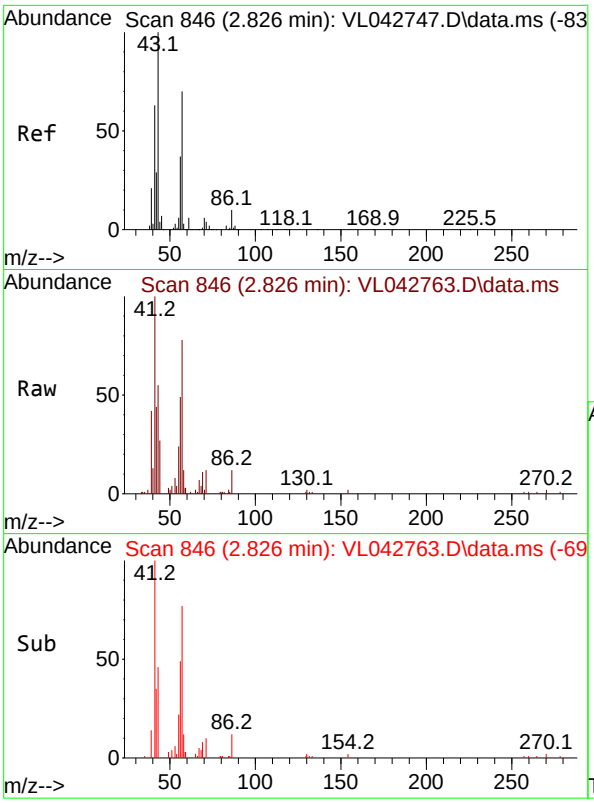


#19
Isopropyl Alcohol
Concen: 2.099 ppbv m
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 45 Resp: 23494

Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.0	45.0#

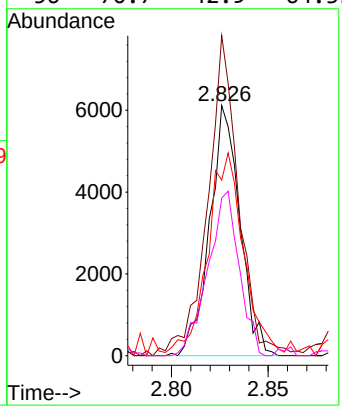




#26
Hexane
Concen: 0.323 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 57 Resp: 660

Ion	Ratio	Lower	Upper
57	100		
41	131.2	75.4	113.2#
43	0.0	185.0	277.6#
56	70.7	42.9	64.3#



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations
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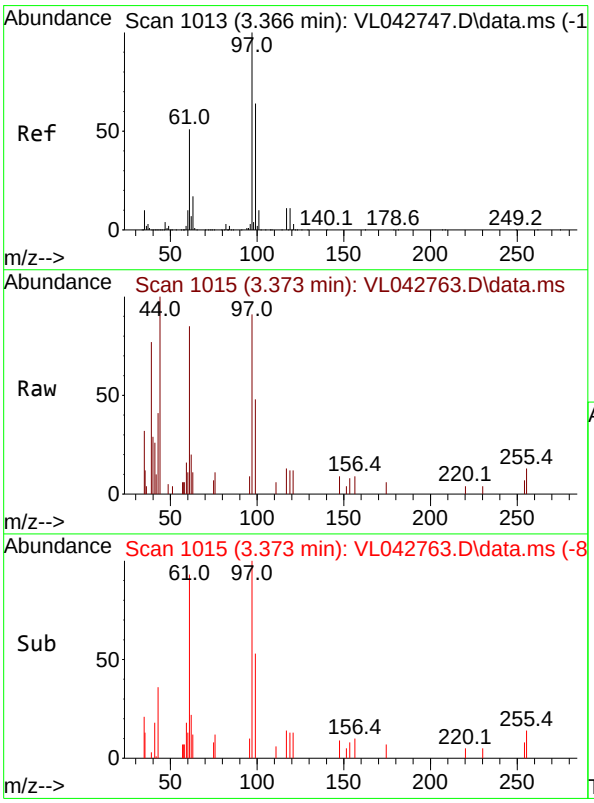
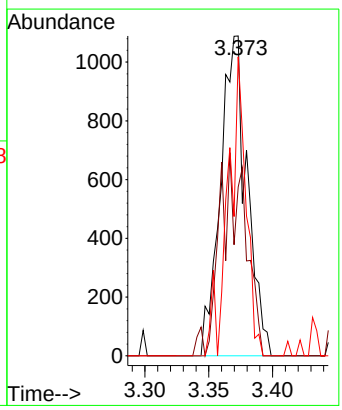
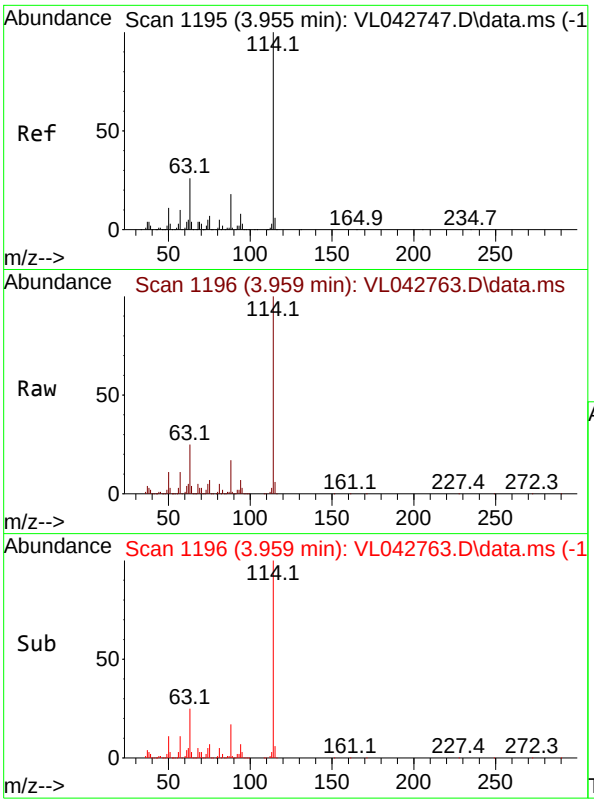


#32
1,1,1-Trichloroethane
Concen: 0.048 ppbv m
RT: 3.373 min Scan# 1015
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 97 Resp: 1580

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.6
61	62.7	40.9	61.3#

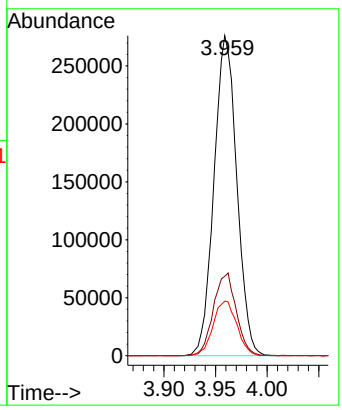




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:114 Resp: 42379

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	17.8	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
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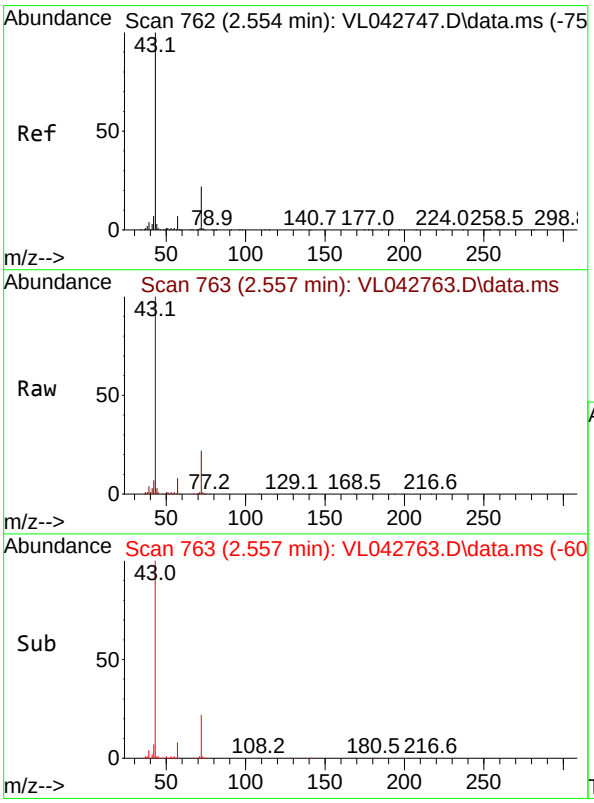
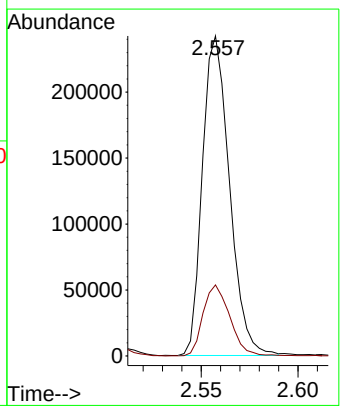
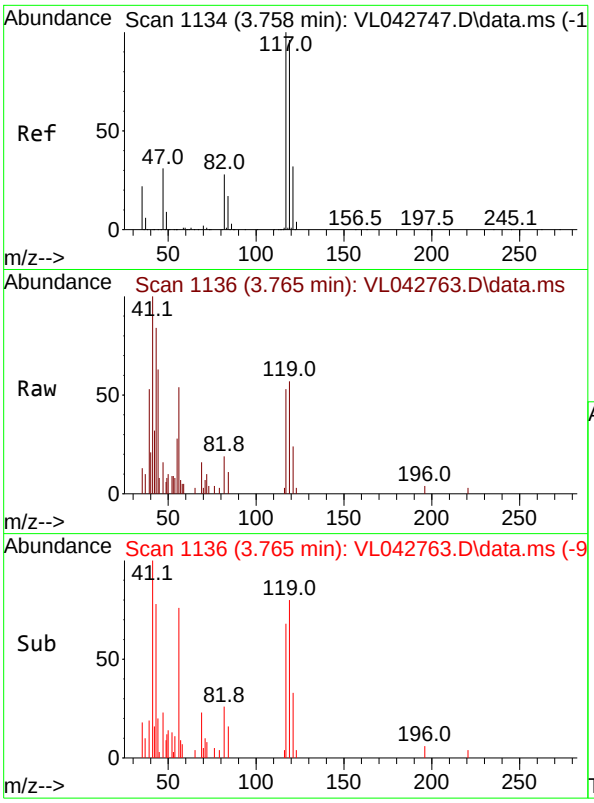


#34
2-Butanone
Concen: 7.838 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 235290

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.4	26.0

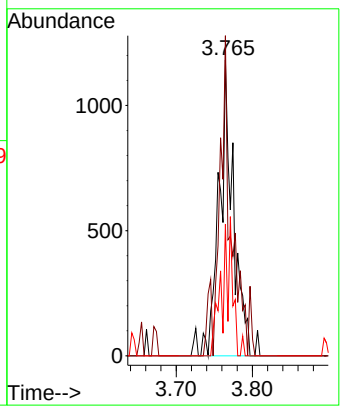




#35
Carbon Tetrachloride
Concen: 0.049 ppbv m
RT: 3.765 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:117 Resp: 155

Ion	Ratio	Lower	Upper
117	100		
119	108.2	77.1	115.7
121	44.5	25.5	38.3#



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

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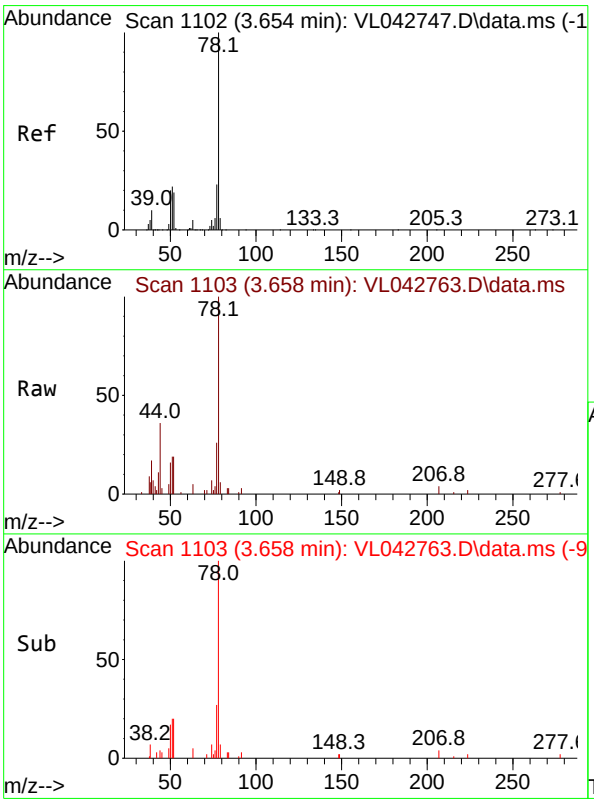
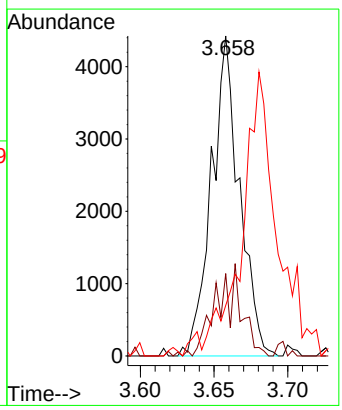
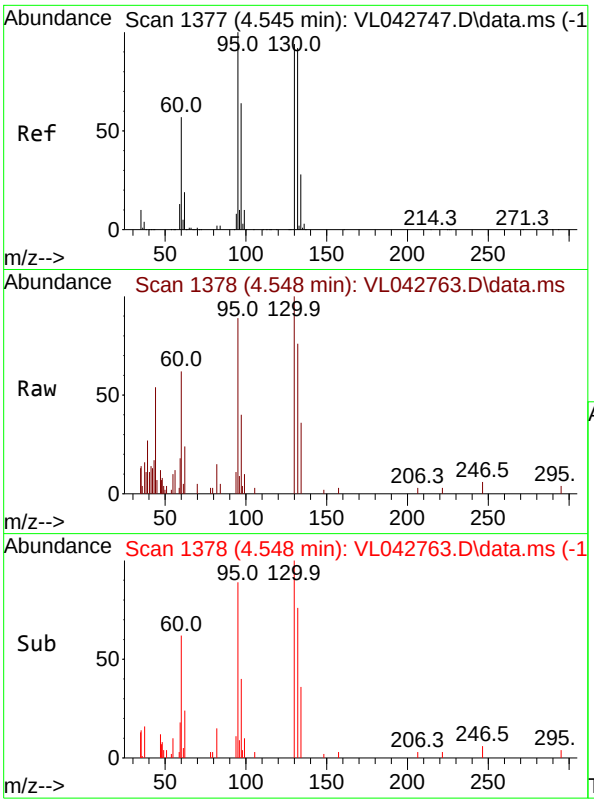


#36
Benzene
Concen: 0.145 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 78 Resp: 5821

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.5	27.7
50	14.4	16.2	24.2#

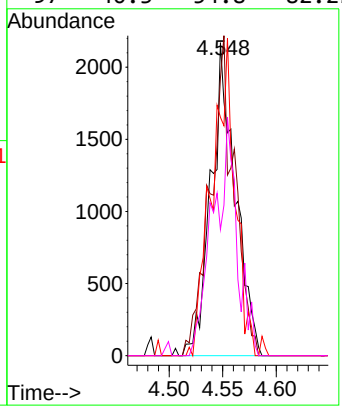




#38
Trichloroethene
Concen: 0.177 ppbv m
RT: 4.548 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:130 Resp: 342

Ion	Ratio	Lower	Upper
130	100		
95	88.8	85.4	128.2
132	76.2	78.2	117.2#
97	40.3	54.8	82.2#



Instrument :
MSVOA_L
ClientSampleId :
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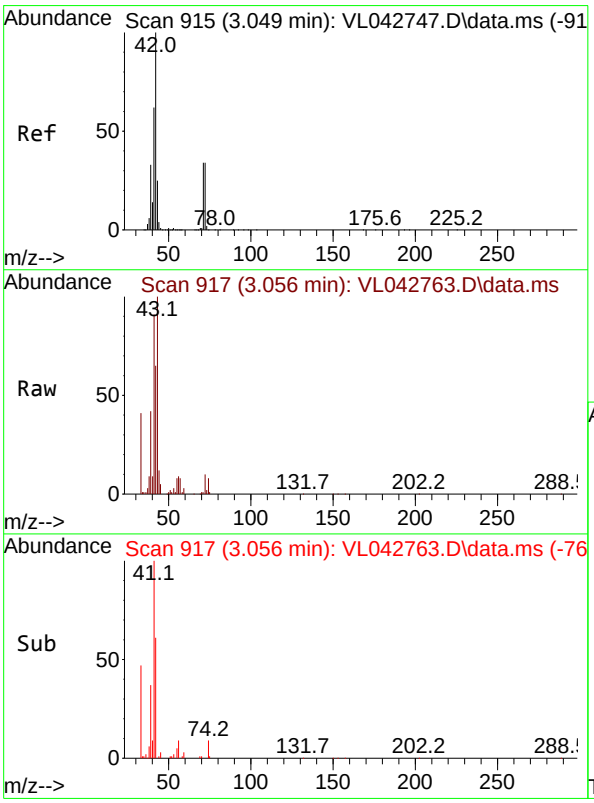
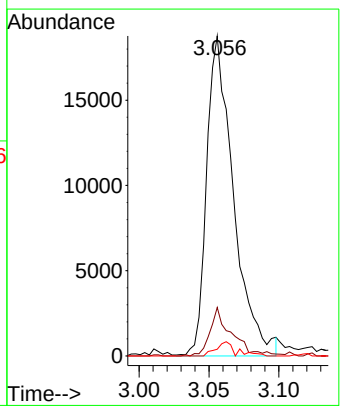
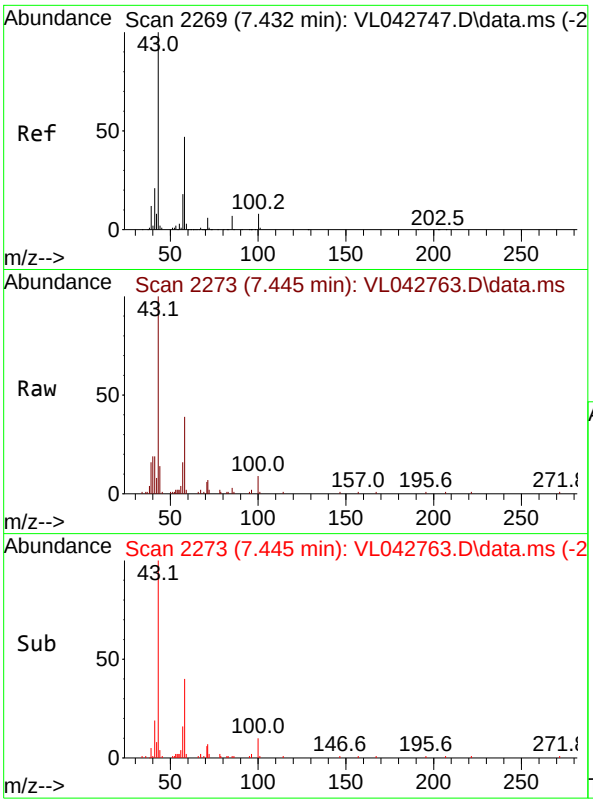


#41
Tetrahydrofuran
Concen: 1.641 ppbv m
RT: 3.056 min Scan# 917
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 42 Resp: 25066

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.6	43.0#





#51
2-Hexanone
Concen: 0.524 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

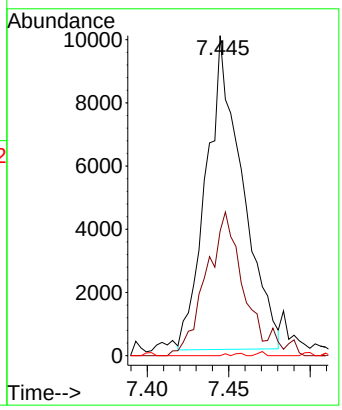
Tgt Ion: 43 Resp: 1530

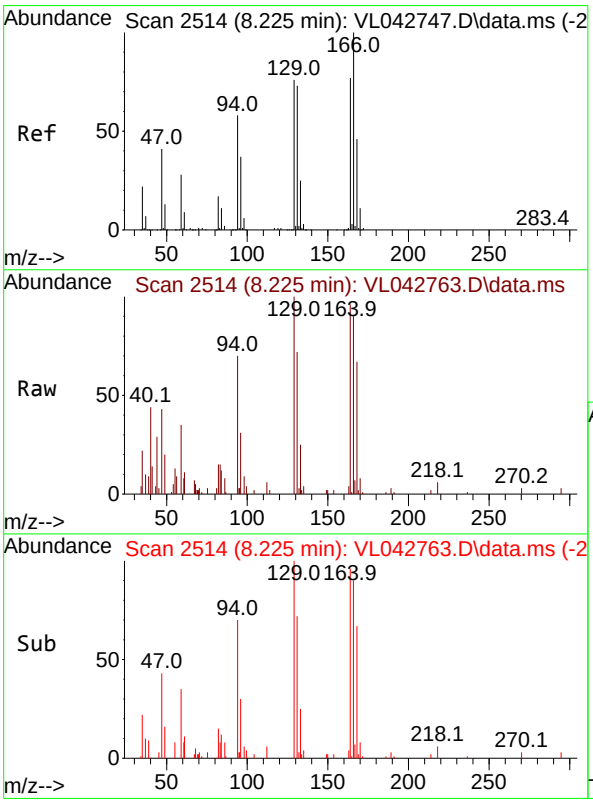
Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.0	57.0
98	0.0	0.2	0.4#

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

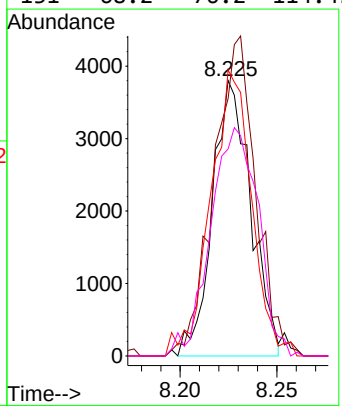


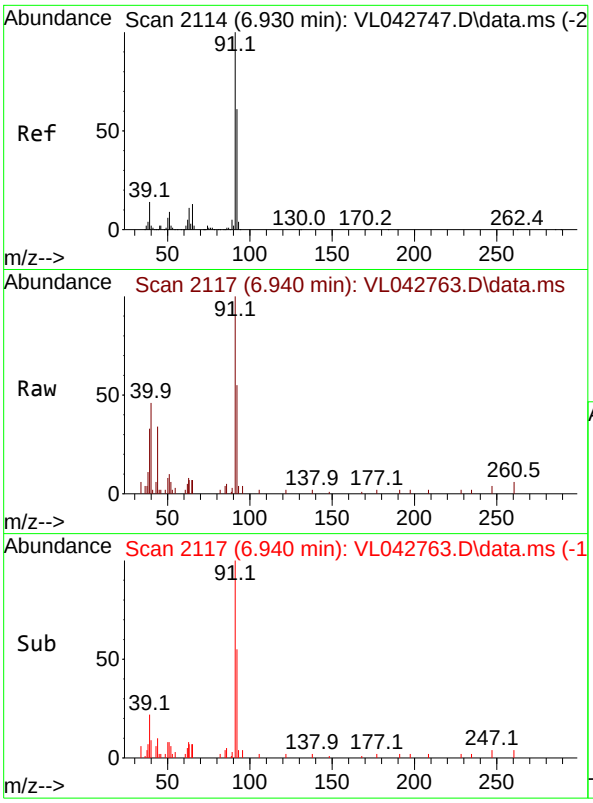


#52
Tetrachloroethene
Concen: 0.315 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:164 Resp: 5241

Ion	Ratio	Lower	Upper
164	100		
166	89.0	104.0	156.0#
129	100.3	79.2	118.8
131	68.2	76.2	114.4#

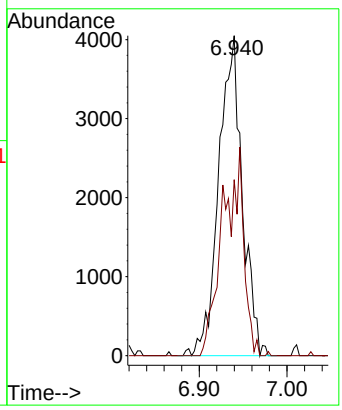




#53
Toluene
Concen: 0.175 ppbv m
RT: 6.940 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 753

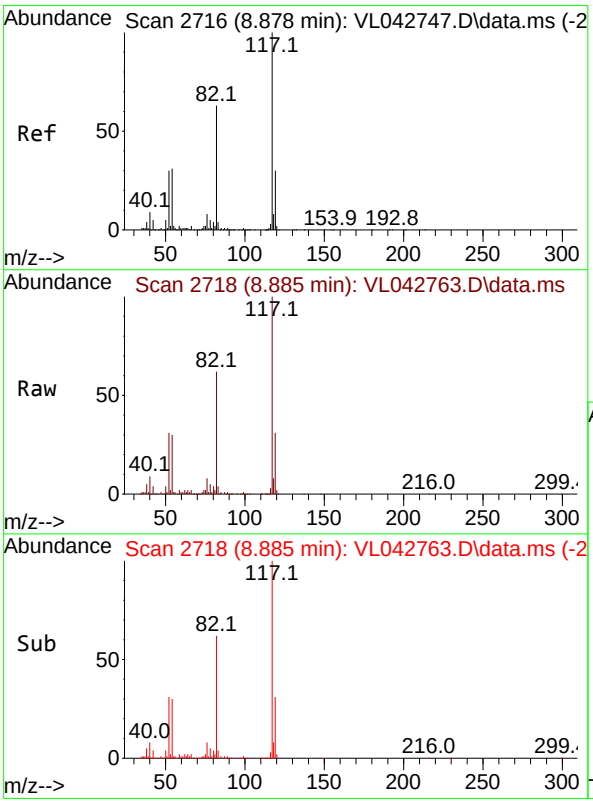
Ion	Ratio	Lower	Upper
91	100		
92	58.5	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations
APPROVED

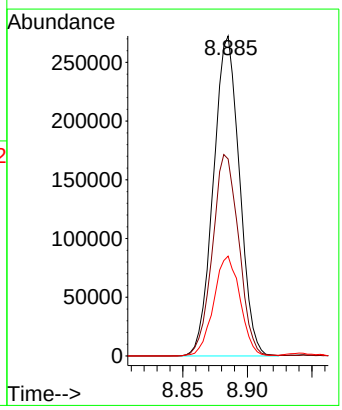
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

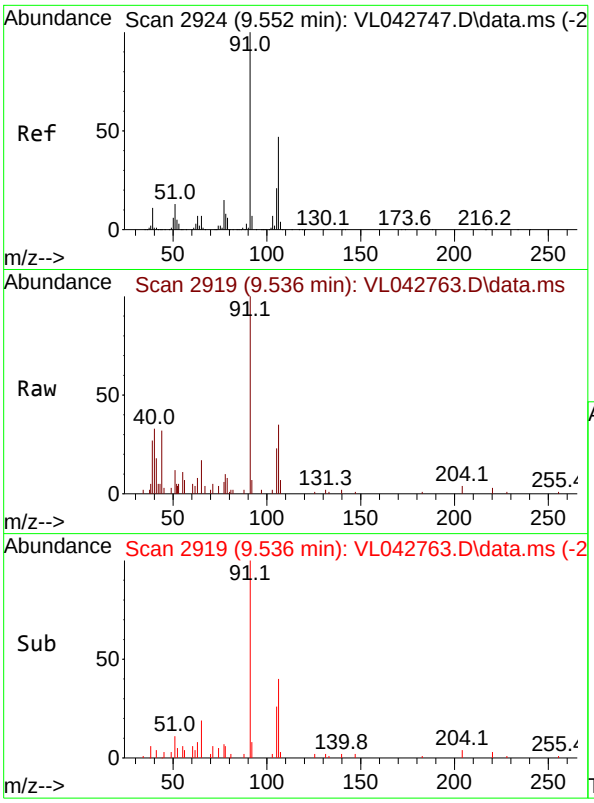


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:117 Resp: 382302

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.3	79.9
119	31.7	25.8	38.6





#59
m/p-Xylene
Concen: 0.122 ppbv m
RT: 9.536 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

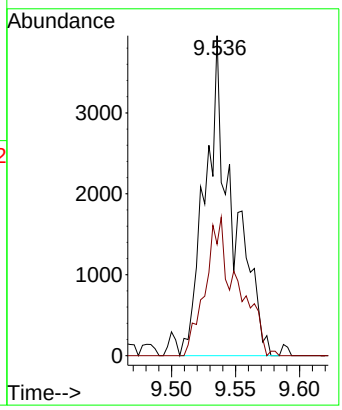
Tgt Ion: 91 Resp: 587

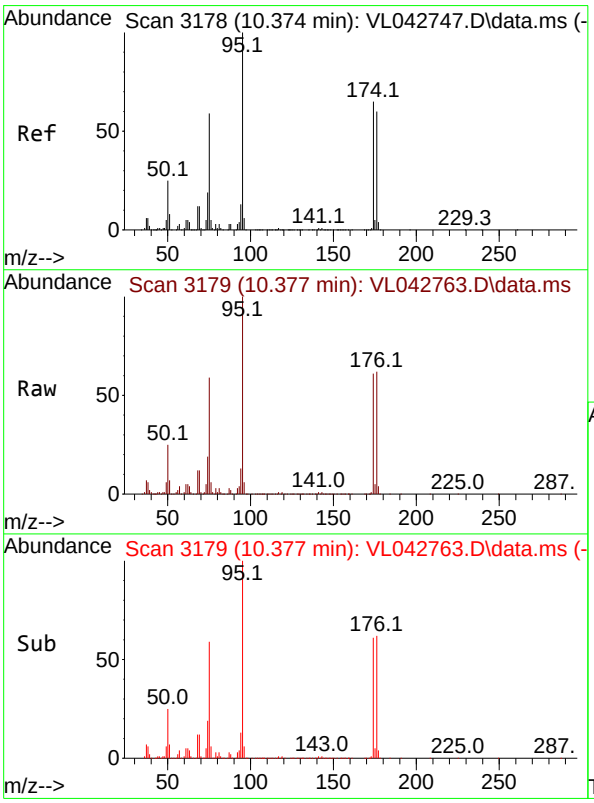
Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

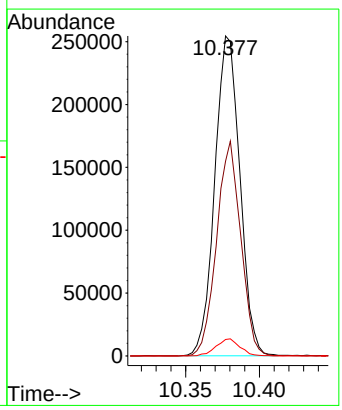


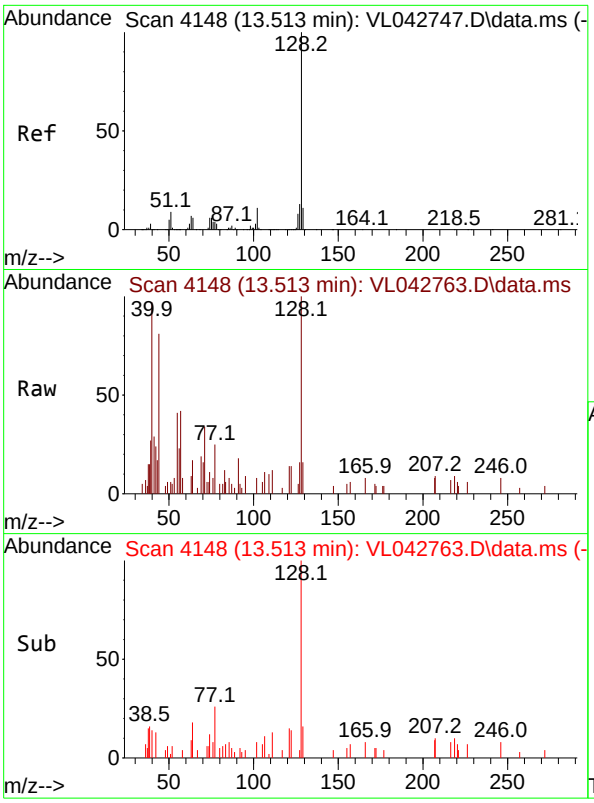


#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 95 Resp: 301001

Ion	Ratio	Lower	Upper
95	100		
174	64.6	53.8	80.6
175	5.1	4.0	6.0

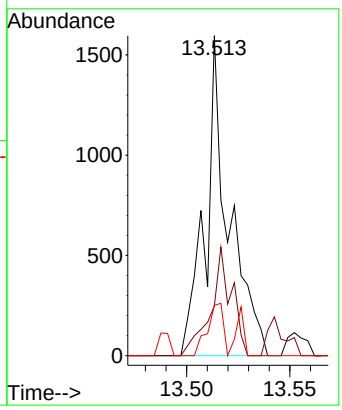




#79
Naphthalene
Concen: 0.456 ppbv m
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:128 Resp: 124

Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.5	15.7
129	15.7	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG1DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042761.D	10		07/24/25 12:14	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7	ug/m3
74-87-3	Chloromethane	2.60	5.37	JD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77	ug/m3
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4	ug/m3
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2	ug/m3
109-99-9	Tetrahydrofuran	0.80	2.36	UD	2.36	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	4.85	15.2	ug/m3
142-82-5	Heptane	1.70	6.97	UD	6.97	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8	ug/m3
67-64-1	Acetone	47.1	112	D	4.28	11.9	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0	ug/m3
75-09-2	Methylene Chloride	2.30	7.99	UD	7.99	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	14.3	42.2	D	1.65	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	1.57	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	3.93	19.8	ug/m3
67-66-3	Chloroform	0.96	4.69	UD	4.69	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	0.87	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4	ug/m3
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	3.76	20.2	ug/m3
79-01-6	Trichloroethene	0.45	2.42	D	1.29	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1	ug/m3
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	UD	6.03	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG1DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042761.D	10		07/24/25 12:14	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.85	5.76	D	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0	ug/m3
100-41-4	Ethyl Benzene	1.90	8.25	UD	8.25	21.7	ug/m3
179601-23-1	m/p-Xylene	4.10	17.8	UD	17.8	43.4	ug/m3
95-47-6	o-Xylene	2.10	9.12	UD	9.12	21.7	ug/m3
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3	ug/m3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3	ug/m3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1	ug/m3
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24	ug/m3
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6	ug/m3
110-54-3	Hexane	1.60	5.64	UD	5.64	17.6	ug/m3
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7	ug/m3
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0	ug/m3
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	150000		2.787			
540-36-3	1,4-Difluorobenzene	418000		3.959			
3114-55-4	Chlorobenzene-d5	371000		8.882			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	07/22/25
Project:	Yellow Cab - TO-15	Date Received:	07/22/25
Client Sample ID:	118-SG1DL	SDG No.:	Q2671
Lab Sample ID:	Q2671-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042761.D	10		07/24/25 12:14	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042761.D
Acq On : 24 Jul 2025 12:14
Operator : SY/MD
Sample : Q2671-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:25:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	149830	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	418114	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	370590	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	291433	9.930	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	99.300%		
Target Compounds						Qvalue
4) Chloromethane	1.531	50	2085	0.260	ppbv	# 86
9) Propene	1.486	41	2822	0.301	ppbv	95
13) Ethanol	1.722	45	7958	10.501	ppbv	# 31
15) Acetone	1.836	43	97426	4.709	ppbv	99
34) 2-Butanone	2.557	43	42357	1.430	ppbv	96
38) Trichloroethene	4.545	130	860m	0.045	ppbv	
52) Tetrachloroethene	8.225	164	1390m	0.085	ppbv	

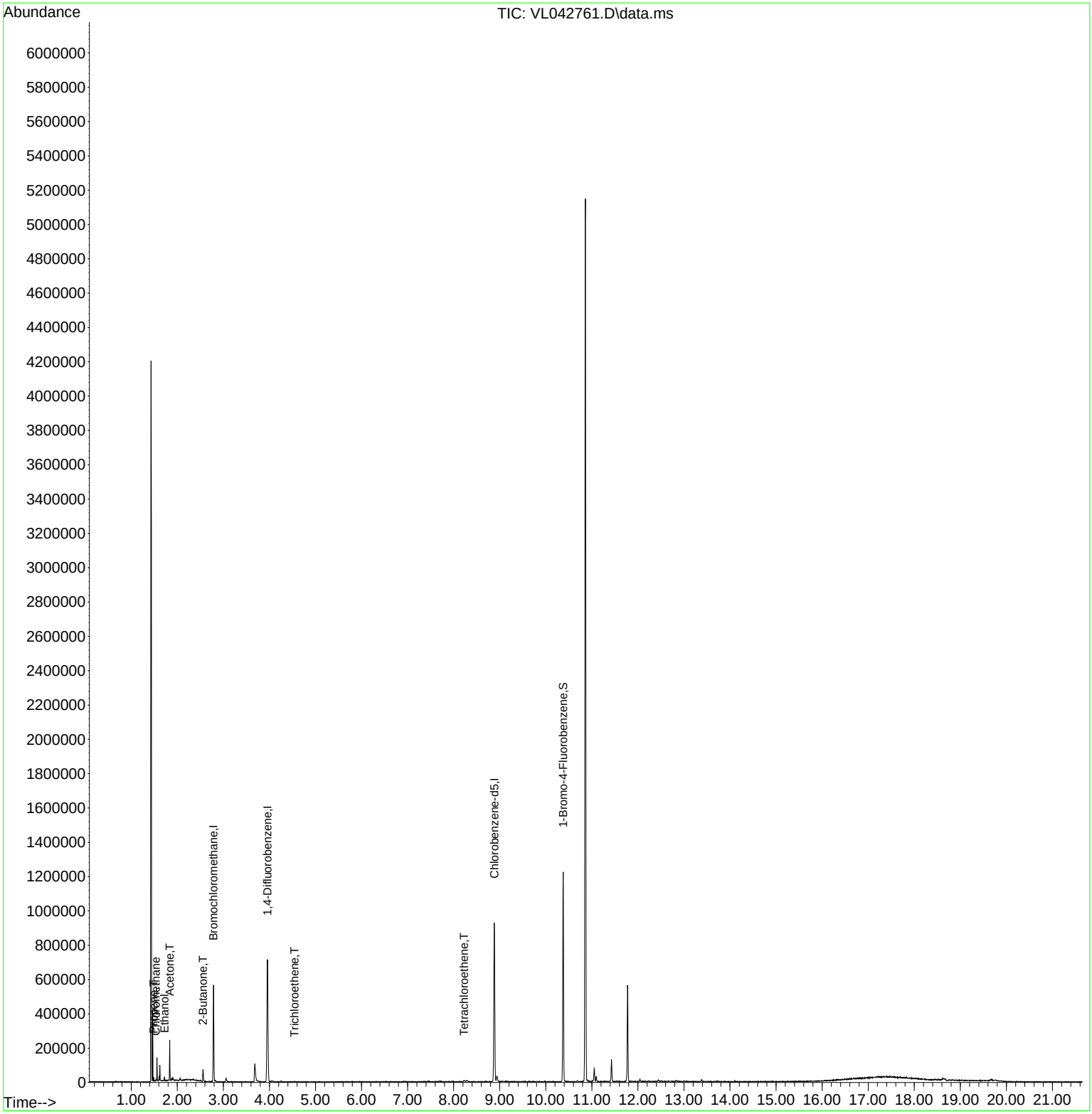
(#) = qualifier out of range (m) = manual integration (+) = signals summed

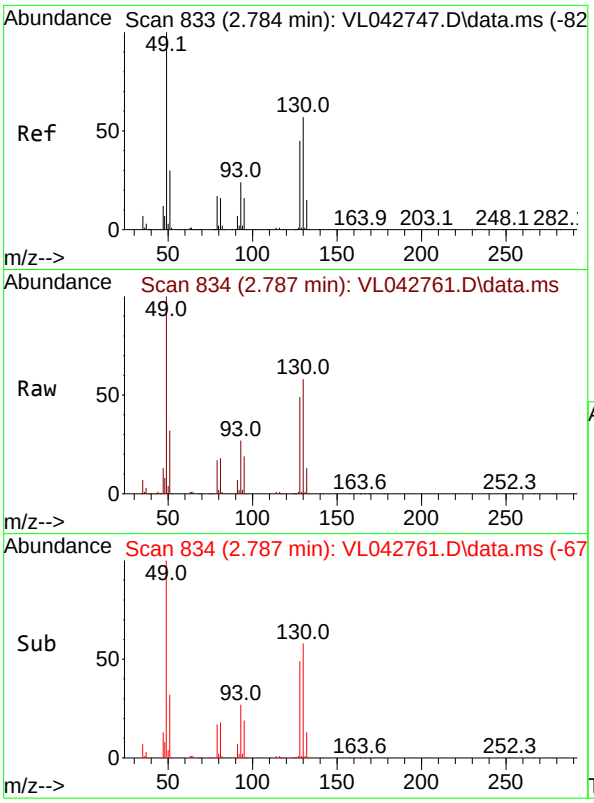
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042761.D
Acq On : 24 Jul 2025 12:14
Operator : SY/MD
Sample : Q2671-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:25:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

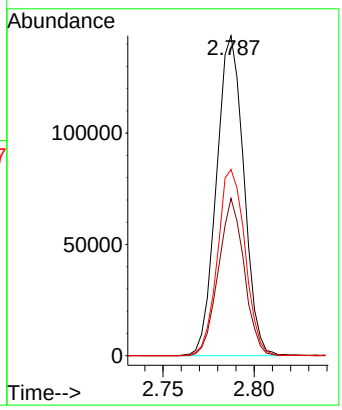




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 49 Resp: 14983

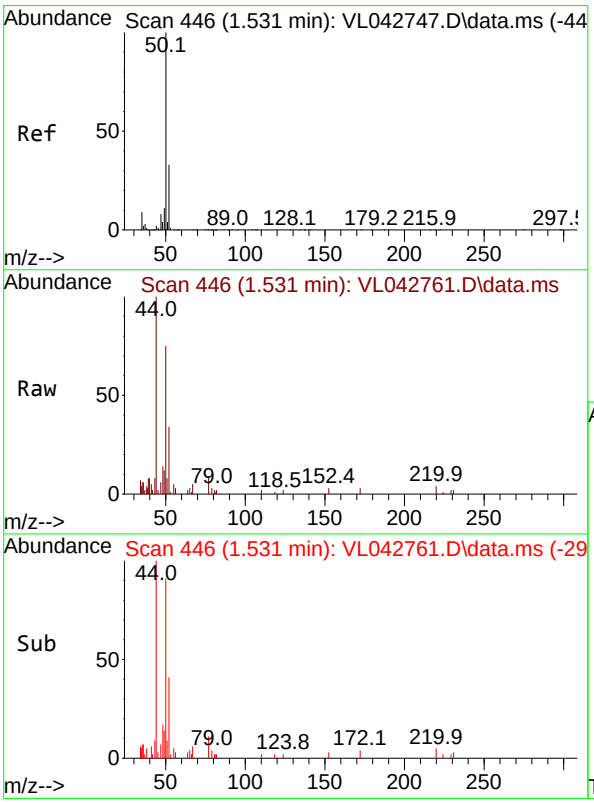
Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	58.9	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Manual Integrations
APPROVED

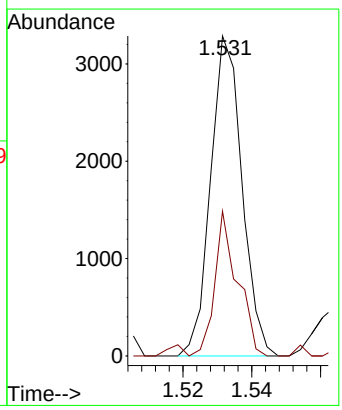
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

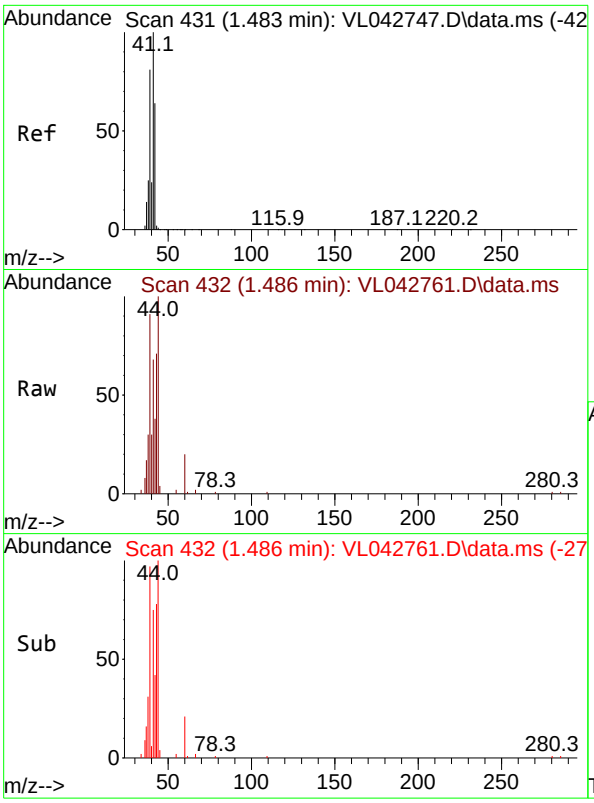


#4
Chloromethane
Concen: 0.260 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 50 Resp: 2085

Ion	Ratio	Lower	Upper
50	100		
52	41.0	26.6	40.0#

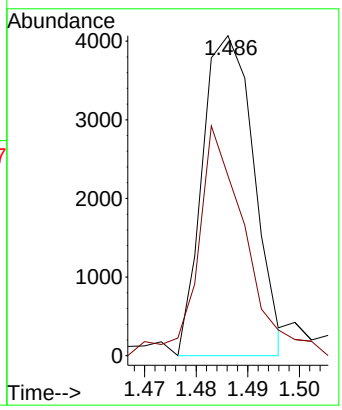




#9
Propene
Concen: 0.301 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 41 Resp: 282

Ion	Ratio	Lower	Upper
41	100		
42	70.6	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Manual Integrations
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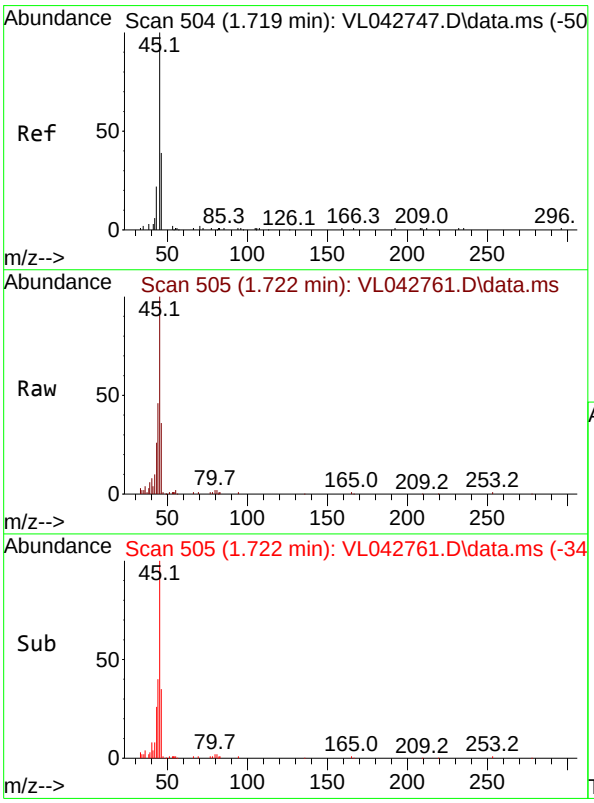
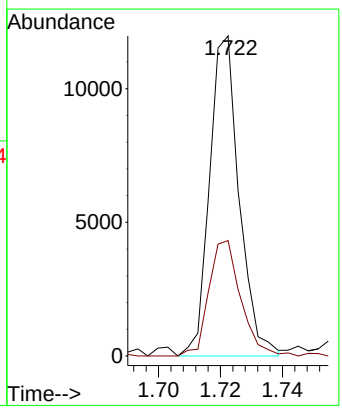
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

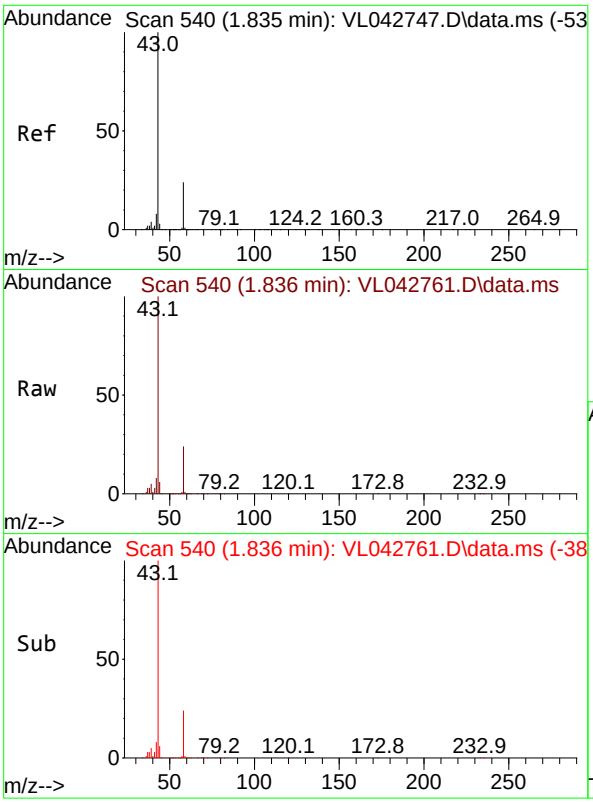


#13
Ethanol
Concen: 10.501 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 45 Resp: 7958

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#

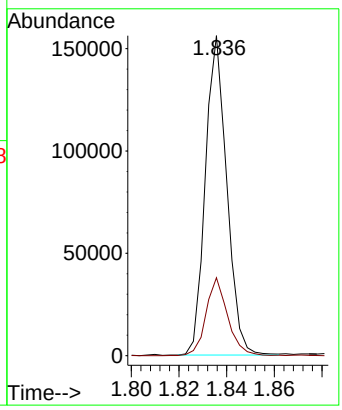




#15
Acetone
Concen: 4.709 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 43 Resp: 9742

Ion	Ratio	Lower	Upper
43	100		
58	25.2	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

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Reviewed By :Semsettin Yesilyurt 07/25/2025
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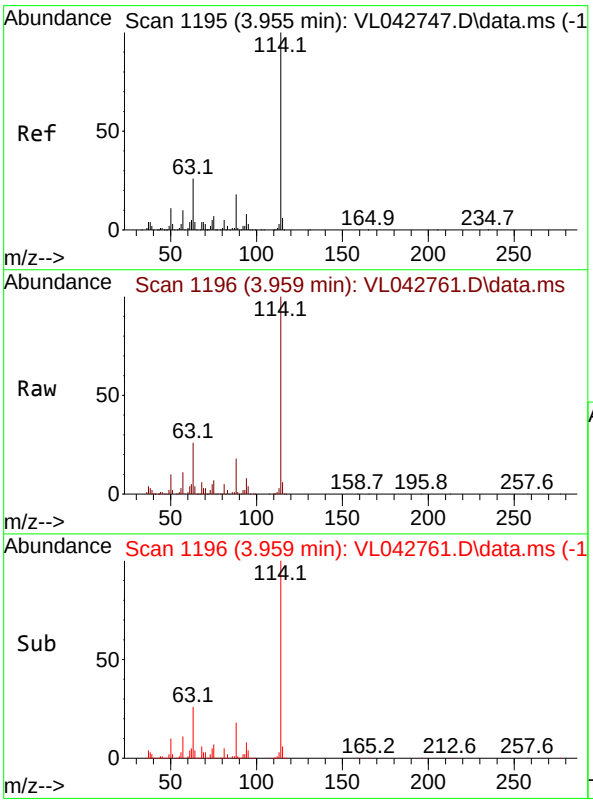
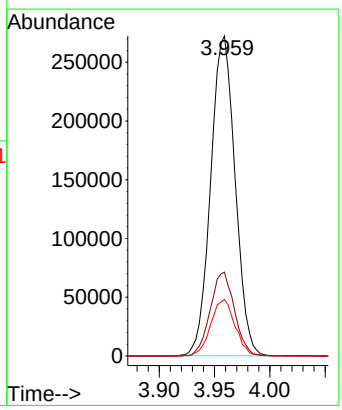
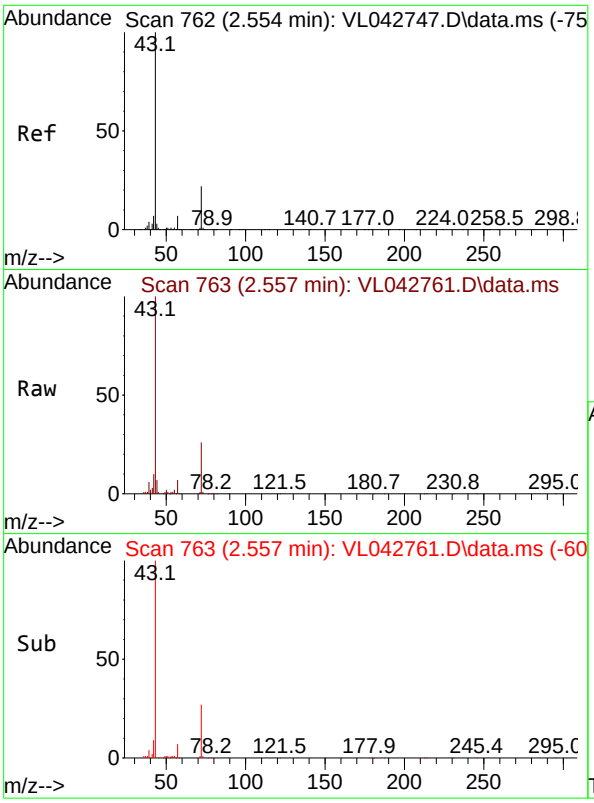


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.004 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:114 Resp: 418114

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.5	30.7
88	17.6	14.0	21.0

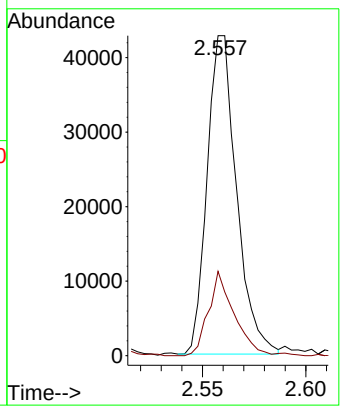




#34
2-Butanone
Concen: 1.430 ppbv
RT: 2.557 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 43 Resp: 4235

Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

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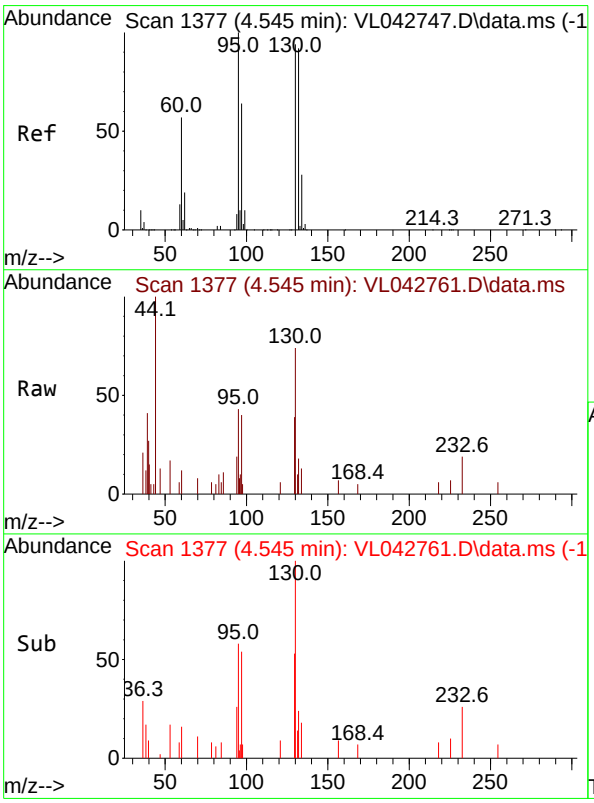
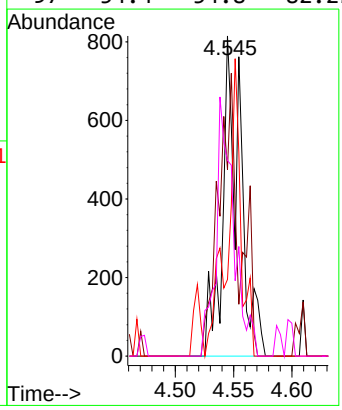
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

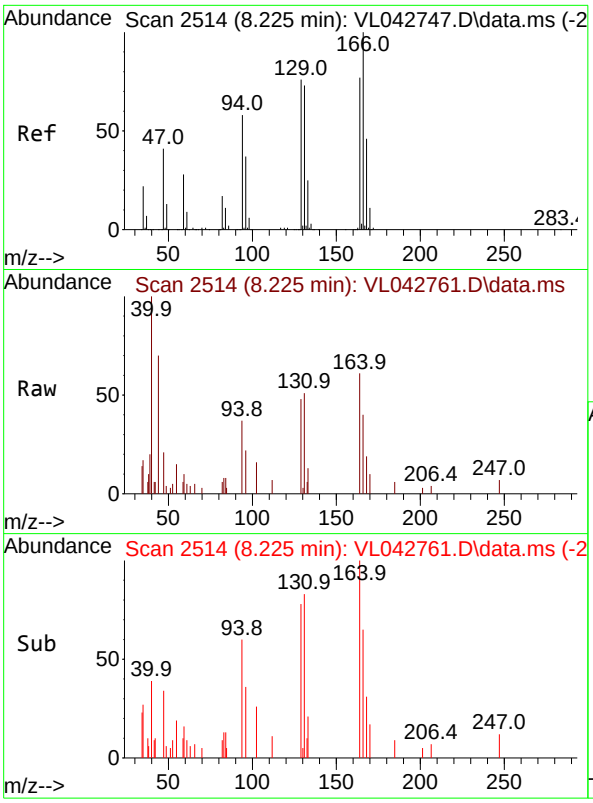


#38
Trichloroethene
Concen: 0.045 ppbv m
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:130 Resp: 860

Ion	Ratio	Lower	Upper
130	100		
95	58.3	85.4	128.2#
132	23.9	78.2	117.2#
97	54.4	54.8	82.2#

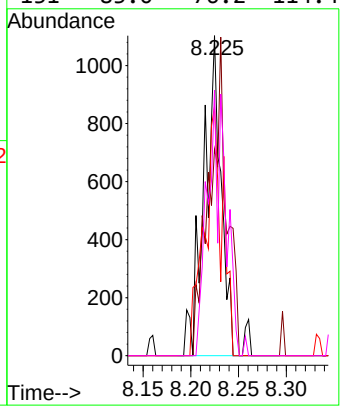




#52
Tetrachloroethene
Concen: 0.085 ppbv m
RT: 8.225 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:164 Resp: 139

Ion	Ratio	Lower	Upper
164	100		
166	64.6	104.0	156.0#
129	77.9	79.2	118.8#
131	83.0	76.2	114.4



Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Manual Integrations
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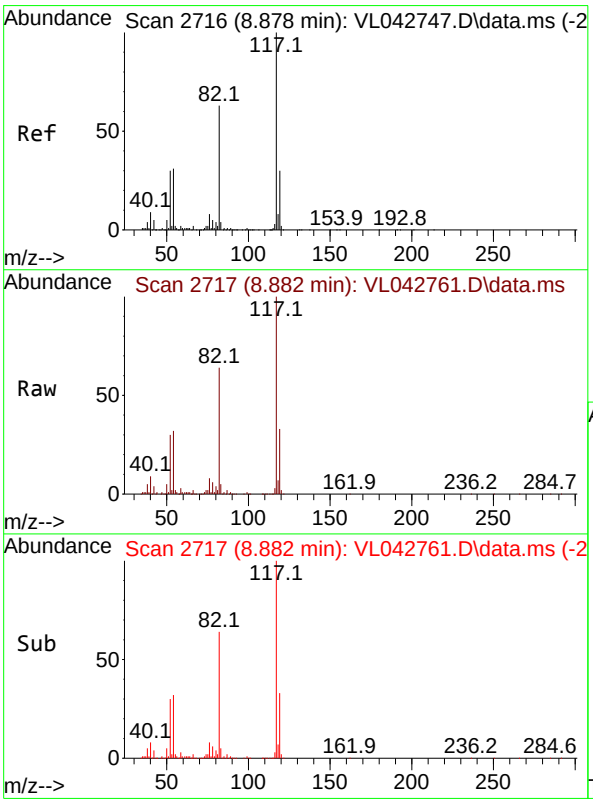
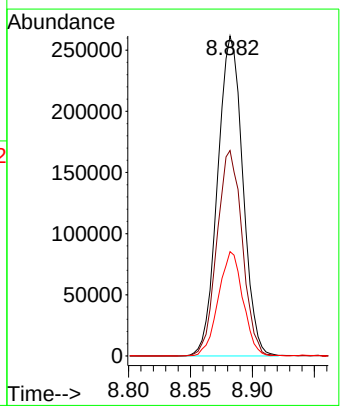
Supervised By :Mahesh Dadoda 07/25/2025

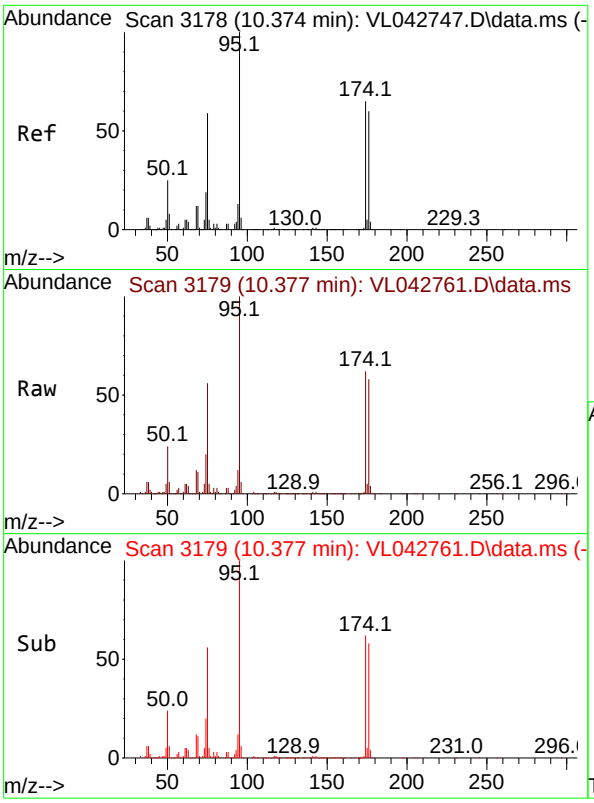


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:117 Resp: 370590

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.3	79.9
119	32.0	25.8	38.6

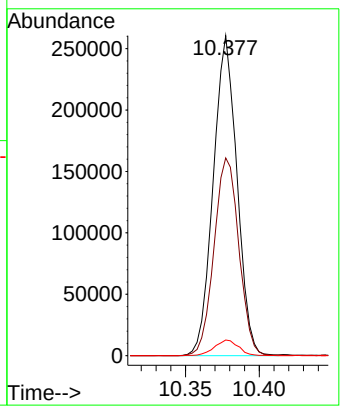




#68
1-Bromo-4-Fluorobenzene
Concen: 9.930 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 95 Resp: 29143

Ion	Ratio	Lower	Upper
95	100		
174	65.0	53.8	80.6
175	5.0	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

CALIBRATION SUMMARY

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Jul 24 05:24:41 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042752.D 0.1 =VL042754.D 0.5 =VL042750.D 1 =VL042749.D 2 =VL042748.D 10 =VL042747.D 15 =VL042753.D

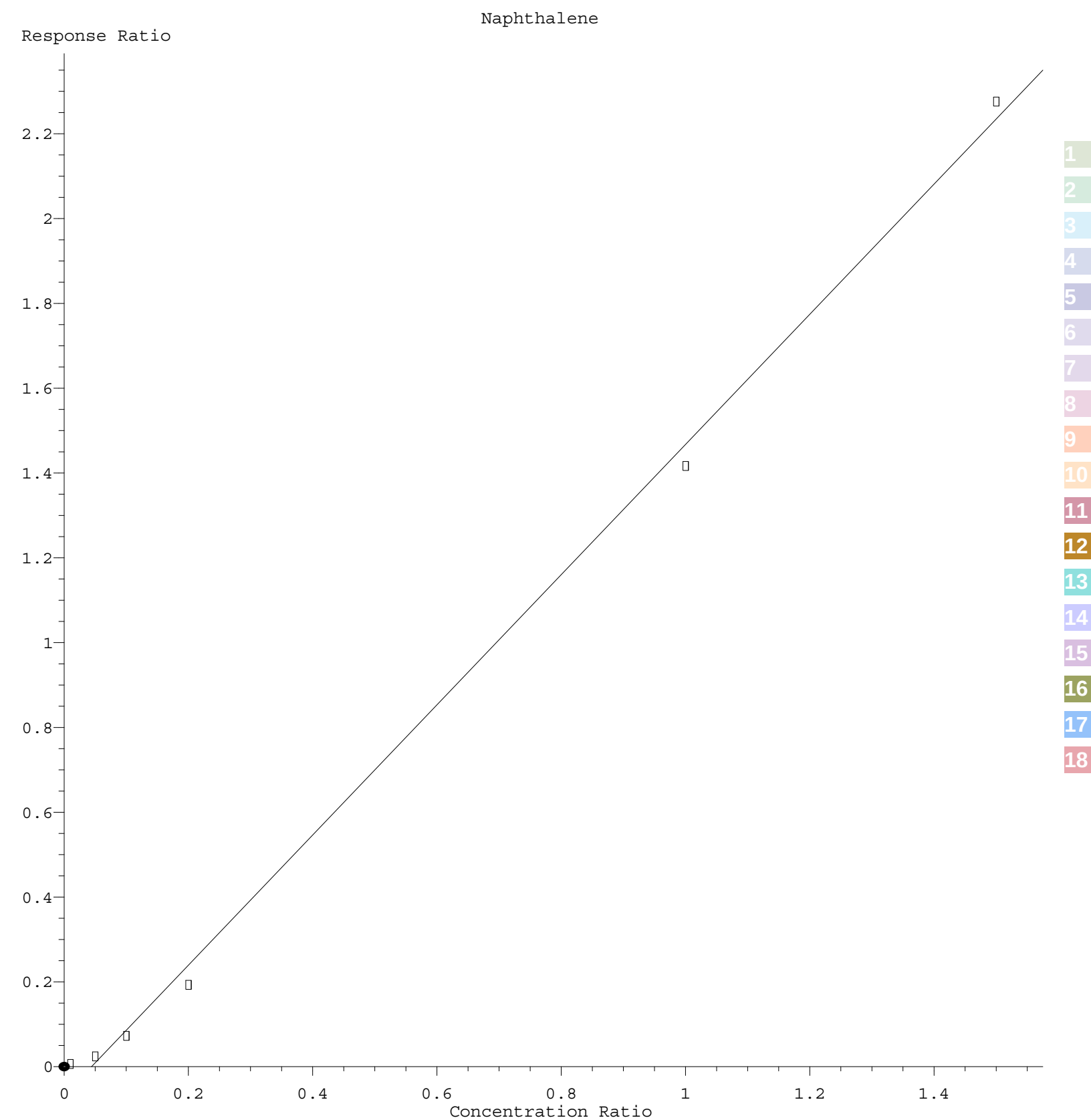
		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.468	1.339	1.377	1.198	1.229	1.322	8.34
3)		Chlorodifluoro...			1.890	1.757	1.772	1.625	1.567	1.722	7.41
4)		Chloromethane			0.585	0.579	0.531	0.484	0.495	0.535	8.70
5)	T	Vinyl Chloride	0.825	0.549	0.516	0.476	0.485	0.411	0.437	0.528	26.27
6)	T	Bromomethane			0.227	0.239	0.181	0.178	0.196	0.204	13.52
7)		Chloroethane			0.278	0.196	0.189	0.177	0.181	0.204	20.51
8)	T	Dichlorotetraf...			1.186	1.130	1.123	0.980	1.017	1.087	7.89
9)	T	Propene			0.621	0.662	0.681	0.594	0.572	0.626	7.25
10)	T	Heptane			1.719	1.672	1.780	1.633	1.635	1.688	3.68
11)	T	Trichlorofluor...			1.457	1.435	1.412	1.226	1.285	1.363	7.47
12)	T	1,1,2-Trichlor...			1.115	1.063	1.069	0.940	0.991	1.036	6.67
13)		Ethanol			0.141	0.104	0.073	0.050	0.049	0.083	46.80
14)	T	Bromoethene			0.393	0.379	0.381	0.337	0.343	0.367	6.76
15)	T	Acetone			1.853	1.479	1.521	0.998	1.054	1.381	25.75
16)	T	1,3-Butadiene			0.726	0.602	0.583	0.509	0.524	0.589	14.57
17)		tert-Butyl alc...			1.366	1.275	1.265	1.165	1.156	1.245	7.01
18)	T	1,1-Dichloroet...			0.536	0.530	0.453	0.404	0.417	0.468	13.20
19)	T	Isopropyl Alcohol			0.857	0.764	0.726	0.659	0.663	0.734	11.12
20)	T	Methylene Chlo...			0.595	0.458	0.419	0.337	0.367	0.435	23.16
21)	T	Allyl Chloride			0.903	0.856	0.876	0.798	0.821	0.851	4.92
22)	T	trans-1,2-Dich...			0.553	0.506	0.523	0.460	0.475	0.503	7.46
23)	T	Vinyl Acetate			1.643	1.502	1.688	1.704	1.833	1.674	7.14
24)	T	1,1-Dichloroet...			1.053	1.117	1.071	0.945	0.981	1.033	6.75
25)	T	Ethyl Acetate			3.125	3.122	3.212	2.954	2.870	3.056	4.57
26)	T	Hexane			1.325	1.425	1.433	1.281	1.240	1.341	6.43
27)	T	Carbon Disulfide			1.146	1.183	1.165	1.088	1.157	1.148	3.13
28)	T	Methyl tert-Bu...			0.653	0.613	0.650	0.556	0.696	0.633	8.28
29)	T	Chloroform			2.261	2.104	2.136	1.915	1.943	2.072	6.92
30)	T	Cyclohexane			1.137	1.140	1.201	1.125	1.083	1.137	3.74
31)	T	cis-1,2-Dichlo...			1.459	1.406	1.414	1.306	1.304	1.378	5.05
32)	T	1,1,1-Trichlor...	2.522	2.330	2.133	2.048	2.132	1.957	1.985	2.158	9.39
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.730	0.713	0.761	0.663	0.675	0.708	5.64
35)	T	Carbon Tetrach...	0.950	0.692	0.681	0.709	0.735	0.701	0.731	0.743	12.56
36)	T	Benzene			0.976	0.971	0.995	0.896	0.900	0.948	4.86
37)	T	1,2-Dichloroet...			0.595	0.585	0.584	0.537	0.553	0.571	4.34
38)	T	Trichloroethene	0.511	0.503	0.452	0.459	0.445	0.408	0.409	0.455	8.97
39)	T	1,2-Dichloropr...			0.371	0.362	0.363	0.324	0.330	0.350	6.13

Response Factor Report MSVOA_L

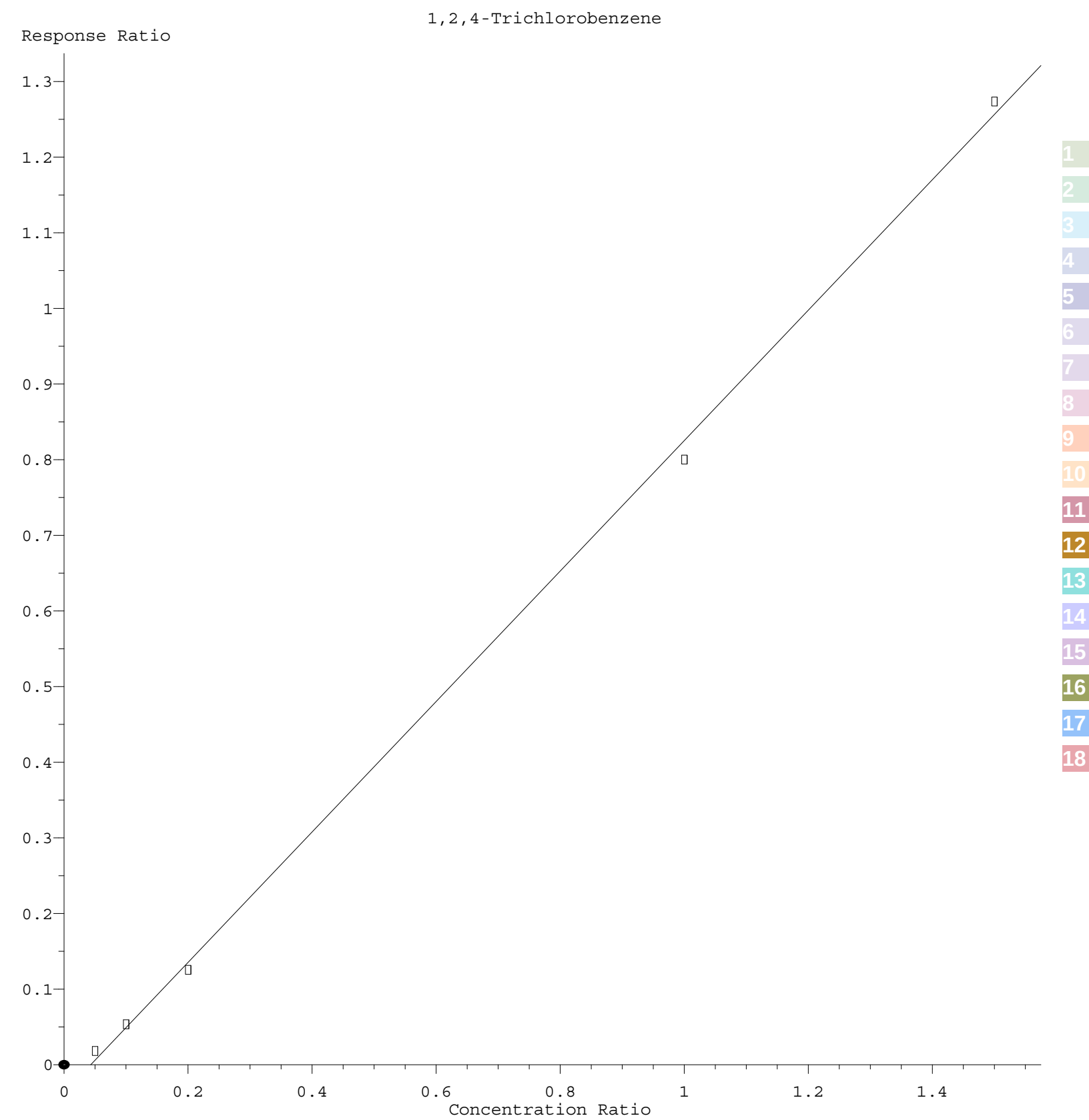
Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL072325AIR.M

40)	T	1,4-Dioxane			0.177	0.170	0.174	0.141	0.153	0.163	9.36
41)	T	Tetrahydrofuran			0.361	0.350	0.367	0.362	0.362	0.360	1.74
42)	T	Bromodichlorom...			0.720	0.761	0.755	0.723	0.759	0.744	2.75
43)		Methyl Methacr...			0.321	0.324	0.331	0.348	0.361	0.337	5.05
44)	T	2,2,4-Trimethy...			1.515	1.585	1.634	1.486	1.503	1.545	4.03
45)	T	t-1,3-Dichloro...			0.357	0.340	0.375	0.402	0.415	0.378	8.21
46)	T	cis-1,3-Dichlo...			0.435	0.459	0.479	0.507	0.514	0.479	6.95
47)	T	1,1,2-Trichlor...			0.393	0.384	0.385	0.347	0.356	0.373	5.41
48)	T	Dibromochlorom...			0.569	0.571	0.600	0.600	0.619	0.592	3.61
49)	T	Bromoform			0.483	0.502	0.517	0.529	0.549	0.516	4.87
50)	T	4-Methyl-2-Pen...			0.876	0.907	0.956	0.895	0.928	0.912	3.39
51)	T	2-Hexanone			0.573	0.647	0.744	0.726	0.757	0.690	11.25
52)	T	Tetrachloroethene	0.504	0.422	0.374	0.394	0.378	0.339	0.339	0.393	14.53
53)	T	Toluene			0.954	0.993	1.074	1.022	1.045	1.018	4.55
54)	T	1,2-Dibromoethane		0.498	0.550	0.531	0.539	0.514	0.529	0.527	3.51
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.548	0.520	0.541	0.484	0.508	0.520	4.96
57)	T	Chlorobenzene			1.019	1.019	1.016	0.879	0.905	0.968	7.22
58)	T	Ethyl Benzene			1.426	1.548	1.744	1.551	1.627	1.579	7.40
59)	T	m/p-Xylene			1.151	1.275	1.354	1.234	1.296	1.262	6.00
60)	T	o-Xylene			1.155	1.280	1.381	1.225	1.264	1.261	6.55
61)	T	Styrene			0.450	0.495	0.552	0.561	0.594	0.531	10.81
62)		Isopropylbenzene			1.722	1.885	2.034	1.793	1.866	1.860	6.27
63)	T	1,1,2,2-Tetrac...	1.105	0.785	0.761	0.795	0.803	0.693	0.726	0.810	16.82
64)		n-propylbenzene			0.437	0.490	0.533	0.469	0.496	0.485	7.31
65)		tert-Butylbenzene			1.496	1.669	1.839	1.606	1.652	1.652	7.52
66)	T	Benzyl Chloride			0.114	0.115	0.128	0.159	0.163	0.136	17.43
67)		sec-Butylbenzene			2.162	2.474	2.592	2.225	2.297	2.350	7.61
68)	S	1-Bromo-4-Fluo...	0.780	0.759	0.782	0.799	0.805	0.801	0.818	0.792	2.50
69)		p-Isopropyltol...			1.620	1.907	2.137	1.928	1.989	1.916	9.83
70)		n-Butylbenzene			1.422	1.811	2.090	1.939	1.994	1.851	14.06
71)		2-Chlorotoluene			1.331	1.444	1.522	1.385	1.451	1.426	5.08
72)	T	4-Ethyltoluene			1.292	1.493	1.632	1.524	1.589	1.506	8.74
73)	T	1,3,5-Trimethy...			1.096	1.193	1.315	1.275	1.321	1.240	7.70
74)	T	1,2,4-Trimethy...			1.115	1.345	1.489	1.384	1.432	1.353	10.61
75)	T	1,3-Dichlorobe...			0.914	0.970	1.038	0.887	0.933	0.948	6.14
76)	T	1,4-Dichlorobe...			0.862	0.927	1.016	0.896	0.940	0.928	6.19
77)	T	1,2-Dichlorobe...			0.920	0.996	1.002	0.848	0.894	0.932	7.10
78)	T	Hexachloro-1,3...			0.897	0.908	0.953	0.712	0.748	0.844	12.62
79)	T	Naphthalene		0.638	0.485	0.727	0.964	1.417	1.517	0.958	44.34
80)	T	Naphthalene,2-...			0.036	0.048	0.071	0.685	0.790	0.326	115.91
81)	T	1,2,4-Trichlor...			0.365	0.535	0.627	0.800	0.849	0.635	31.11

(#) = Out of Range



Response = 1.535e+000 * Amt - 6.678e-002
Coef of Det (r^2) = 0.997757 Curve Fit: Linear
Method File: Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Calibration Table Last Updated: Thu Jul 24 05:24:41 2025



Response = 8.625e-001 * Amt - 3.751e-002
Coef of Det (r^2) = 0.999044 Curve Fit: Linear
Method File: Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Calibration Table Last Updated: Thu Jul 24 05:24:41 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	159080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	462763	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	422206	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	338271	10.117	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	190592	9.062	ppbv	100
3) Chlorodifluoromethane	1.476	51	258542	9.436	ppbv	100
4) Chloromethane	1.531	50	77006	9.050	ppbv	100
5) Vinyl Chloride	1.580	62	65346	7.773	ppbv	100
6) Bromomethane	1.667	94	28292	8.705	ppbv	100
7) Chloroethane	1.703	64	28085	8.646	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	155875	9.011	ppbv	100
9) Propene	1.483	41	94480	9.488	ppbv	100
10) Heptane	4.975	43	259821	9.701	ppbv	100
11) Trichlorofluoromethane	1.878	101	194964	8.992	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	149612	9.081	ppbv	100
13) Ethanol	1.719	45	7949	9.867	ppbv	97
14) Bromoethene	1.780	108	53625	9.193	ppbv	100
15) Acetone	1.835	43	158714	7.225	ppbv	100
16) 1,3-Butadiene	1.609	39	80968	8.642	ppbv	100
17) tert-Butyl alcohol	2.039	59	185262	9.351	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64224	8.627	ppbv	100
19) Isopropyl Alcohol	1.884	45	104903	8.987	ppbv	100
20) Methylene Chloride	2.059	84	53581	7.740	ppbv	100
21) Allyl Chloride	2.094	41	127021	9.382	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	73152	9.148	ppbv	100
23) Vinyl Acetate	2.460	43	271125	10.181	ppbv	100
24) 1,1-Dichloroethane	2.408	63	150257	9.141	ppbv	100
25) Ethyl Acetate	2.832	43	469997	9.666	ppbv	100
26) Hexane	2.826	57	203800	9.555	ppbv	100
27) Carbon Disulfide	2.149	76	173105	9.480	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	88372	8.770	ppbv	100
29) Chloroform	2.845	83	304670	9.244	ppbv	100
30) Cyclohexane	3.852	84	178948	9.892	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	207751	9.479	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	311368	9.069	ppbv	100
34) 2-Butanone	2.554	43	306858	9.361	ppbv	100
35) Carbon Tetrachloride	3.758	117	324501	9.436	ppbv	100
36) Benzene	3.654	78	414863	9.459	ppbv	100
37) 1,2-Dichloroethane	3.217	62	248414	9.403	ppbv	100
38) Trichloroethene	4.545	130	188750	8.926	ppbv	100
39) 1,2-Dichloropropane	4.311	63	149771	9.251	ppbv	100
40) 1,4-Dioxane	4.580	88	65413	8.569	ppbv #	100
41) Tetrahydrofuran	3.049	42	167323	10.160	ppbv	100
42) Bromodichloromethane	4.483	83	334531	9.713	ppbv	100
43) Methyl Methacrylate	4.875	69	161053	10.331	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	687885	9.623	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185965	10.633	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	234594	10.587	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	160431	9.297	ppbv	100
48) Dibromochloromethane	7.383	129	277832	10.141	ppbv	100
49) Bromoform	9.480	173	244997	10.256	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	413966	9.914	ppbv	100
51) 2-Hexanone	7.432	43	336048	10.532	ppbv	100
52) Tetrachloroethene	8.225	164	156930	8.609	ppbv	100
53) Toluene	6.930	91	472953	10.042	ppbv	100
54) 1,2-Dibromoethane	7.648	107	238045	9.745	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	204205	9.302	ppbv	100
57) Chlorobenzene	8.920	112	371117	9.082	ppbv	100
58) Ethyl Benzene	9.354	91	655020	9.824	ppbv	100
59) m/p-Xylene	9.552	91	1042332m	19.555	ppbv	
60) o-Xylene	9.963	91	517292	9.715	ppbv	100
61) Styrene	9.869	104	236709	10.568	ppbv	100
62) Isopropylbenzene	10.539	105	757219	9.641	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	292568	8.434	ppbv	100
64) n-propylbenzene	10.989	120	198109	9.675	ppbv	100
65) tert-Butylbenzene	11.529	119	678174	9.721	ppbv	100
66) Benzyl Chloride	11.617	91	66954	11.691	ppbv	100
67) sec-Butylbenzene	11.765	105	939396	9.468	ppbv	100
69) p-Isopropyltoluene	11.924	119	814010	10.061	ppbv	100
70) n-Butylbenzene	12.280	91	818457	10.473	ppbv	100
71) 2-Chlorotoluene	10.898	91	584629	9.708	ppbv	100
72) 4-Ethyltoluene	11.125	105	643519	10.120	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	538451	10.285	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	584447	10.232	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	374587	9.355	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	378093	9.649	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	358206	9.102	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	300801	8.444	ppbv	100
79) Naphthalene	13.513	128	598108	9.665	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	289412	9.404	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	337776	9.710	ppbv	100

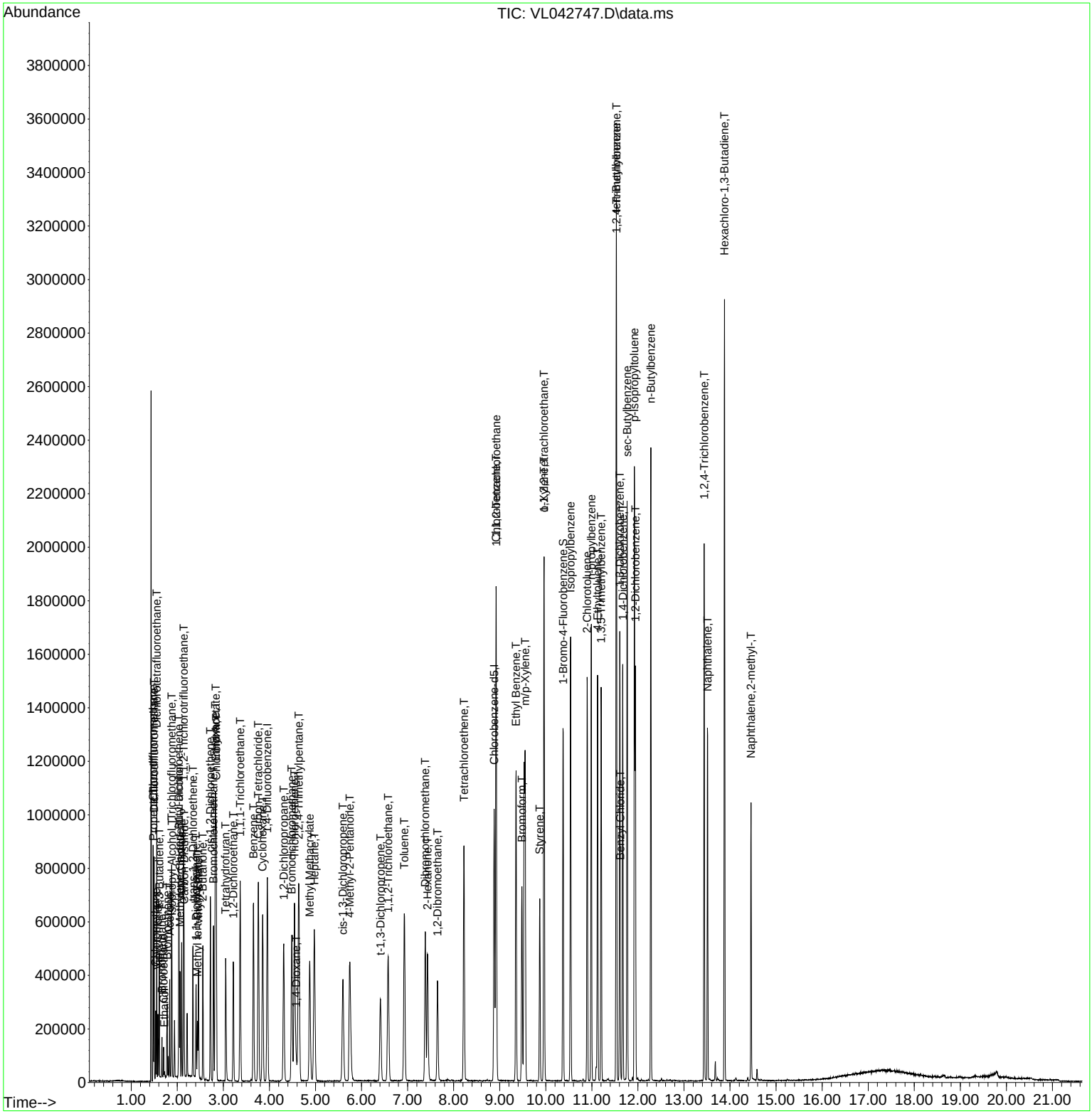
(#) = qualifier out of range (m) = manual integration (+) = signals summed

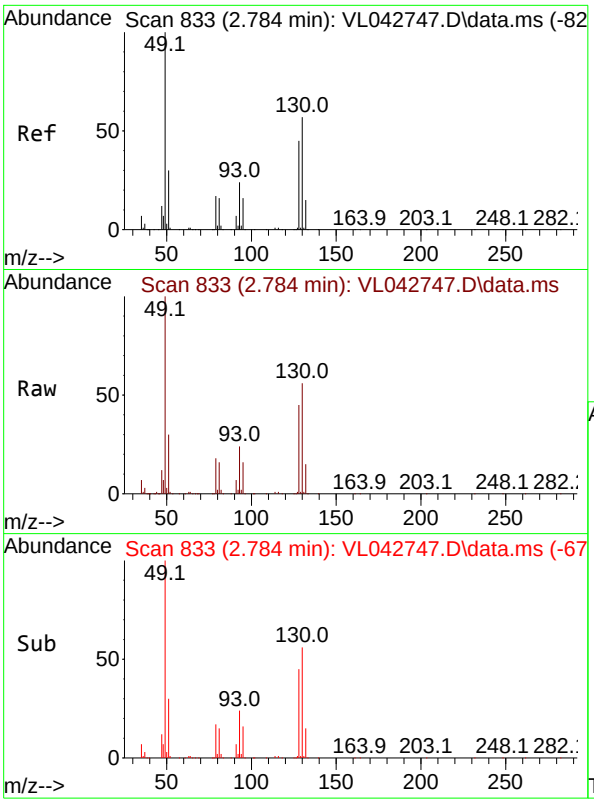
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

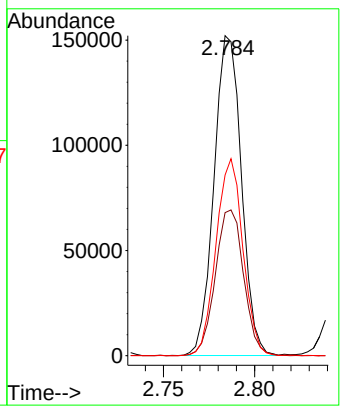




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 49 Resp: 15908

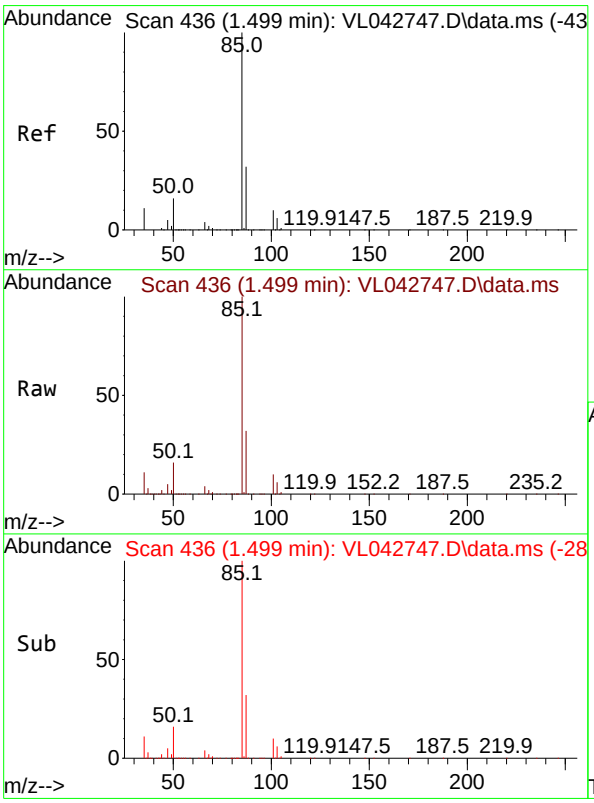
Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.6	71.0
130	60.5	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

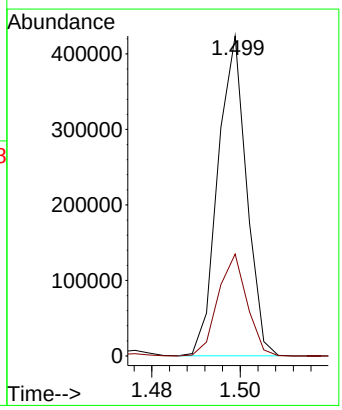
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

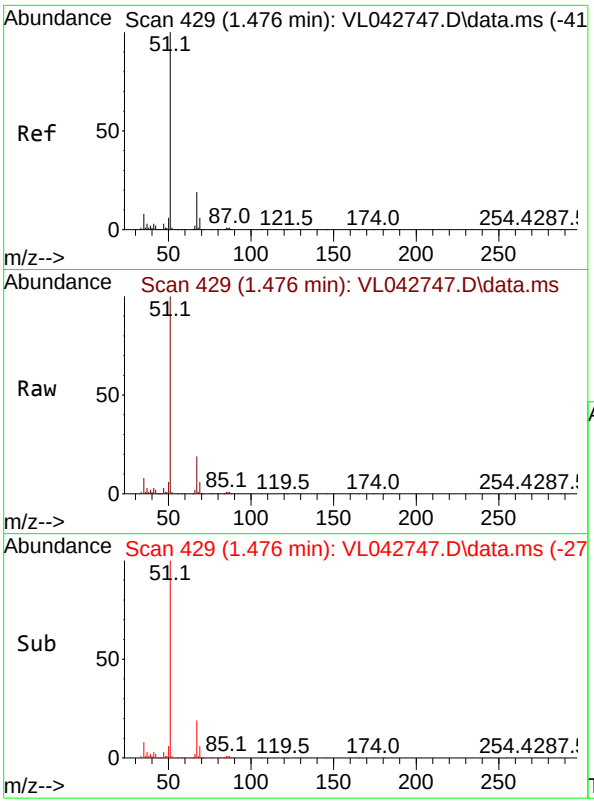


#2
Dichlorodifluoromethane
Concen: 9.062 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 190592

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2

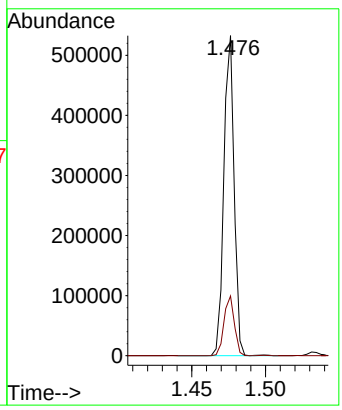




#3
Chlorodifluoromethane
Concen: 9.436 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 51 Resp: 25854

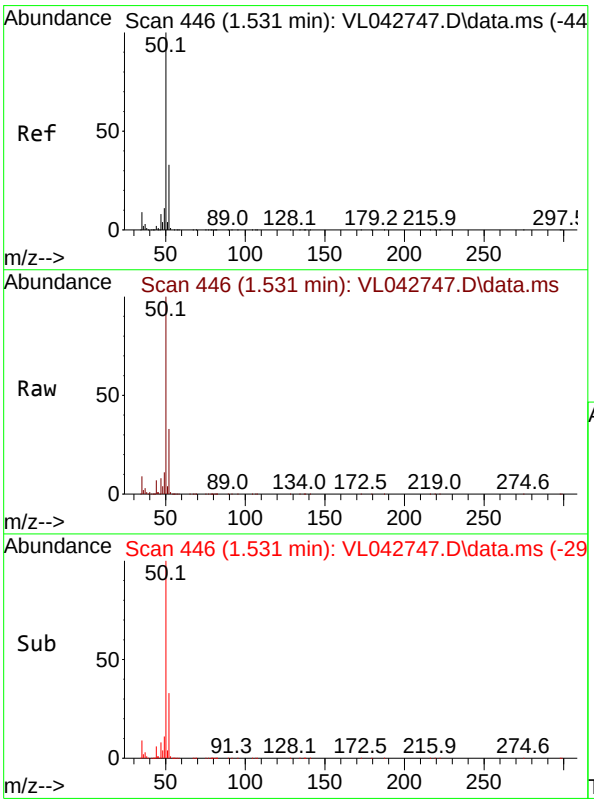
Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

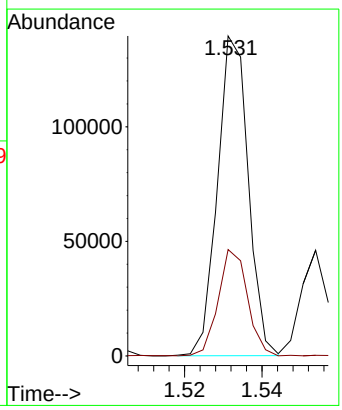
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

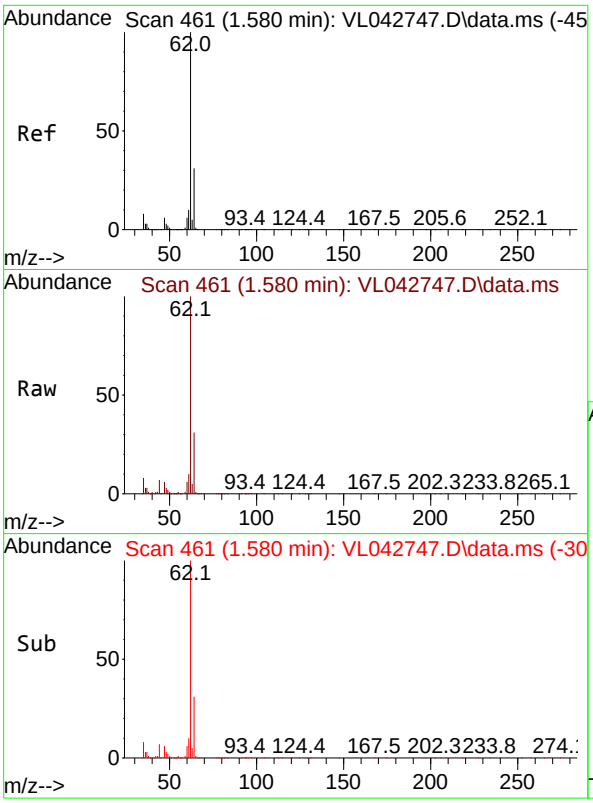


#4
Chloromethane
Concen: 9.050 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 50 Resp: 77006

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0

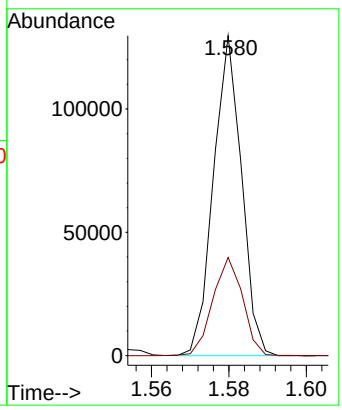




#5
Vinyl Chloride
Concen: 7.773 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 62 Resp: 6534

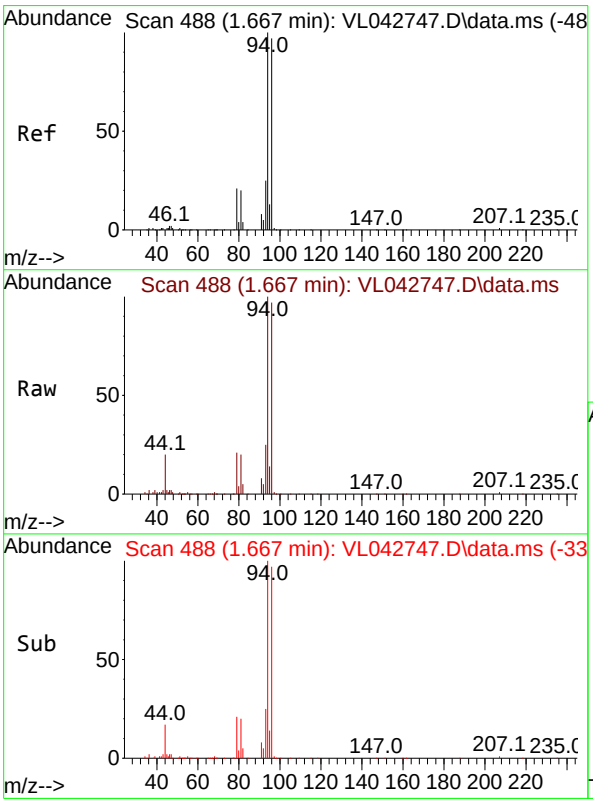
Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

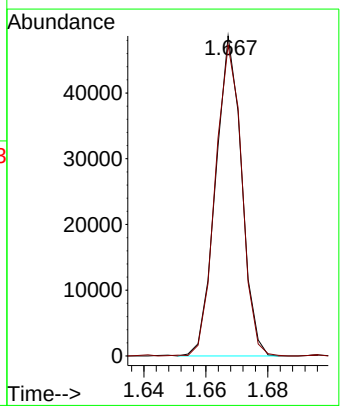
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

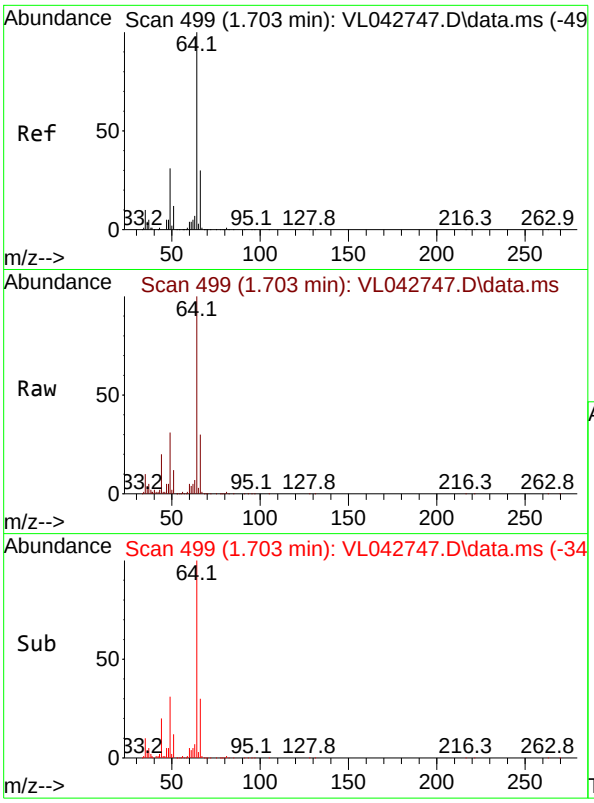


#6
Bromomethane
Concen: 8.705 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 94 Resp: 28292

Ion	Ratio	Lower	Upper
94	100		
96	97.0	77.6	116.4

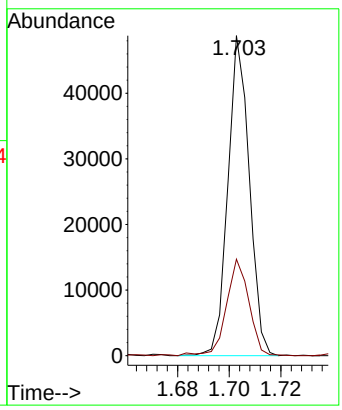




#7
Chloroethane
Concen: 8.646 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 64 Resp: 2808

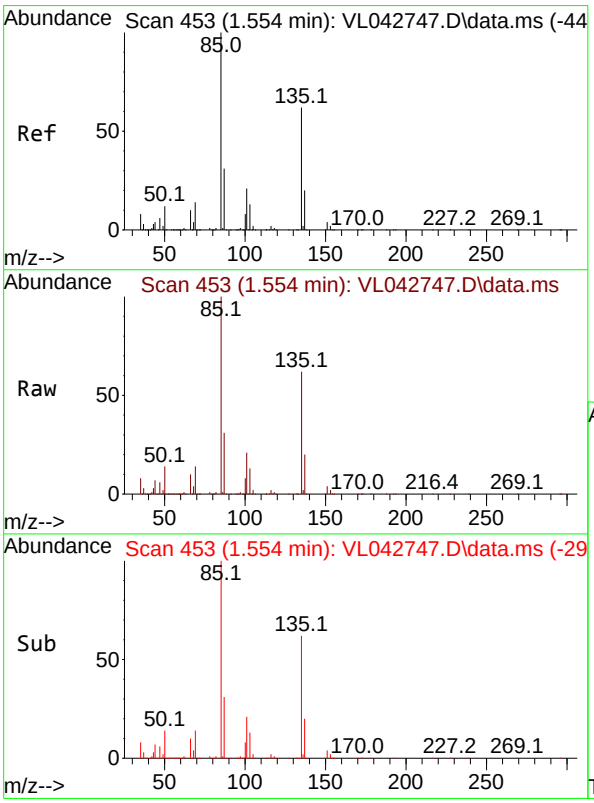
Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

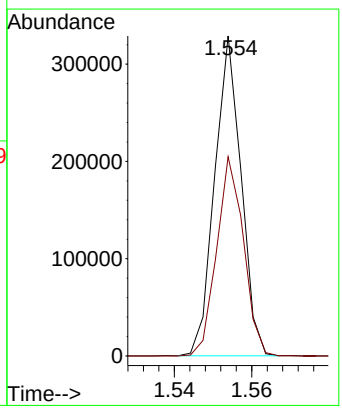
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

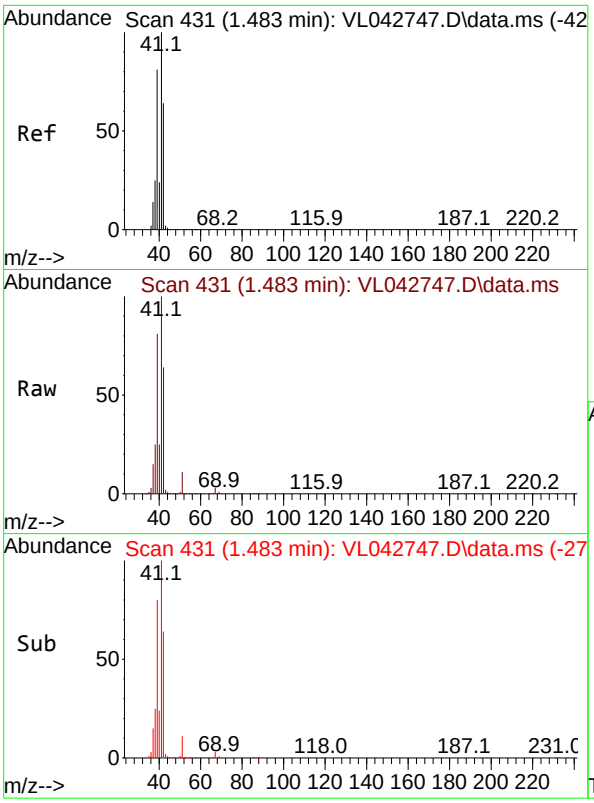


#8
Dichlorotetrafluoroethane
Concen: 9.011 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 155875

Ion	Ratio	Lower	Upper
85	100		
135	63.3	50.6	76.0

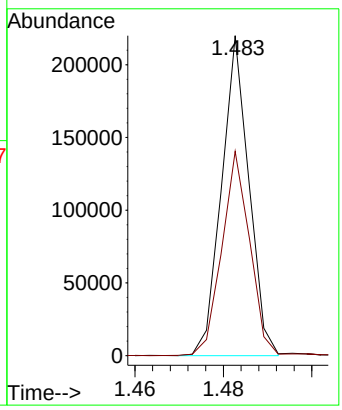




#9
Propene
Concen: 9.488 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 41 Resp: 9448

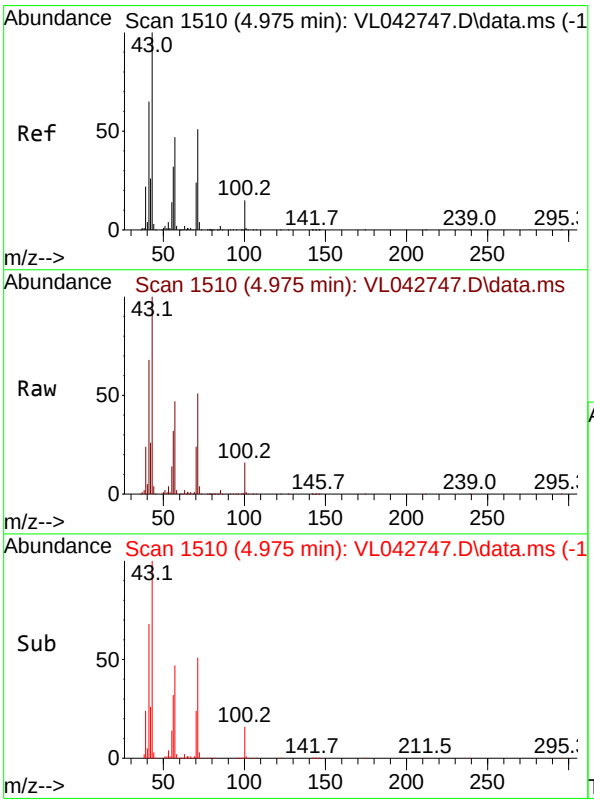
Ion	Ratio	Lower	Upper
41	100		
42	66.5	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

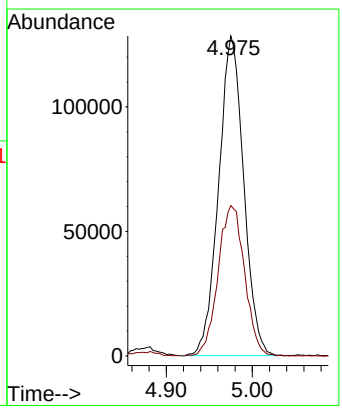
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

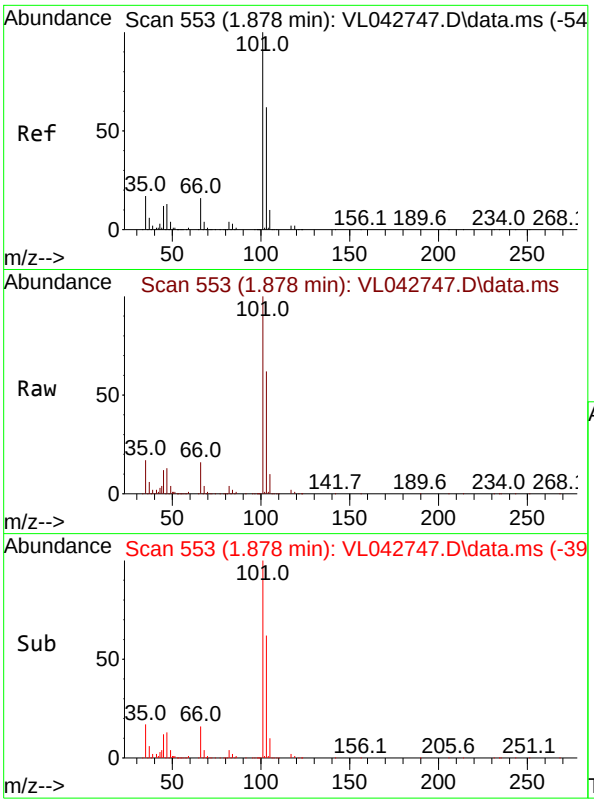


#10
Heptane
Concen: 9.701 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 259821

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.9	59.9

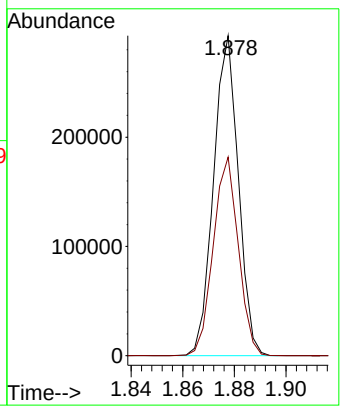




#11
Trichlorofluoromethane
Concen: 8.992 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:101 Resp: 19496

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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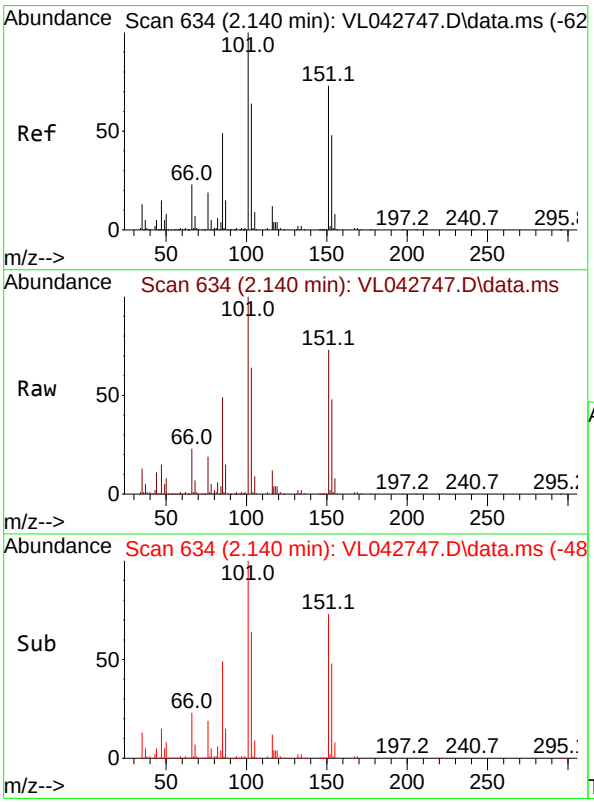
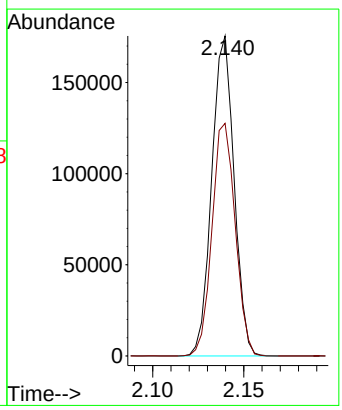
Supervised By :Mahesh Dadoda 07/24/2025

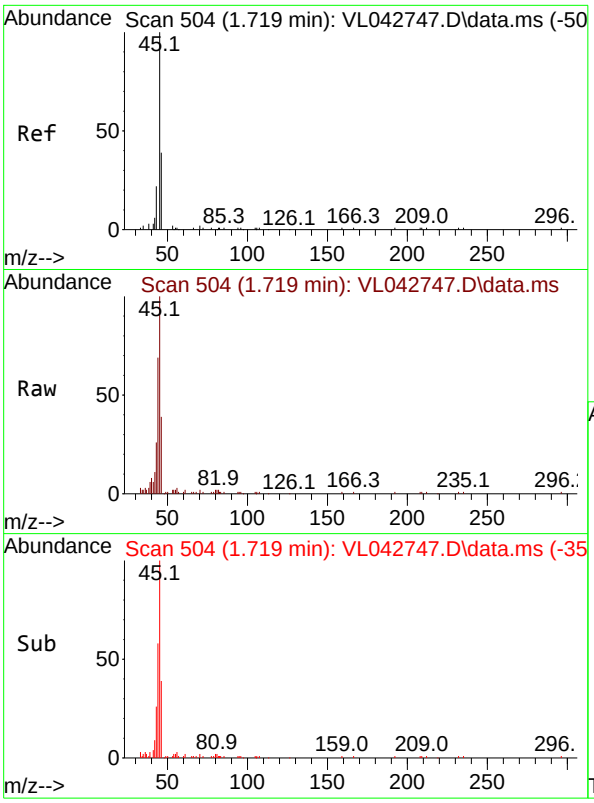


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.081 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:101 Resp: 149612

Ion	Ratio	Lower	Upper
101	100		
151	75.6	60.5	90.7

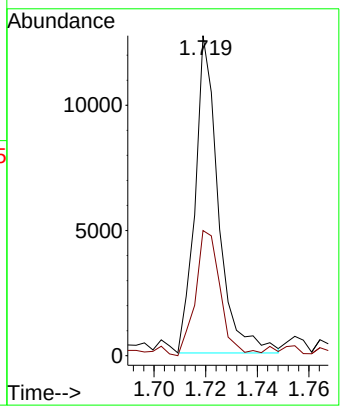




#13
Ethanol
Concen: 9.867 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 45 Resp: 794

Ion	Ratio	Lower	Upper
45	100		
46	46.5	17.8	71.4



Instrument :
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ClientSampleId :
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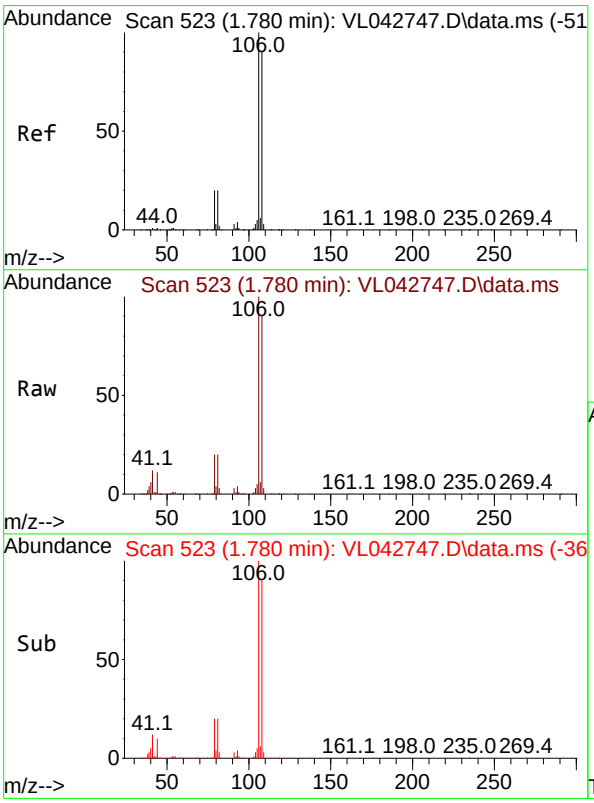
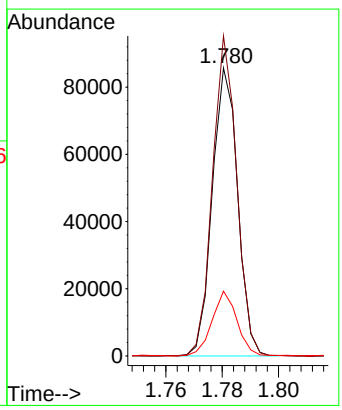
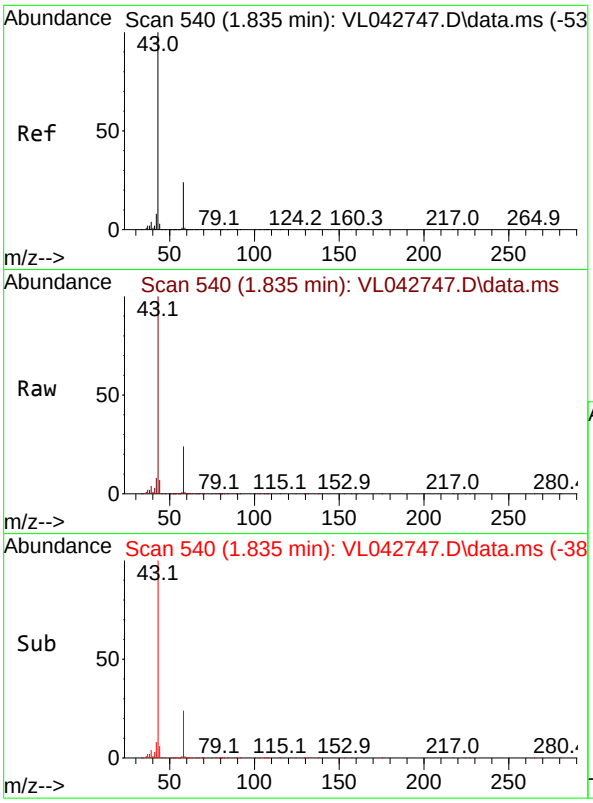


#14
Bromoethene
Concen: 9.193 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:108 Resp: 53625

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.7	127.1
79	21.8	17.4	26.2

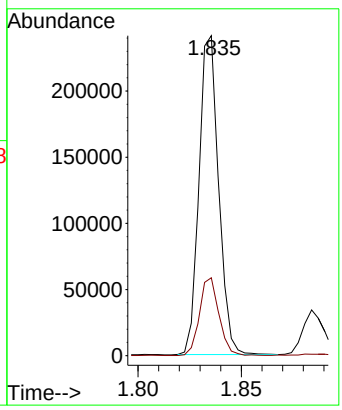




#15
Acetone
Concen: 7.225 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 15871

Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.8	29.8



Instrument :
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ClientSampleId :
VSTDICCC010

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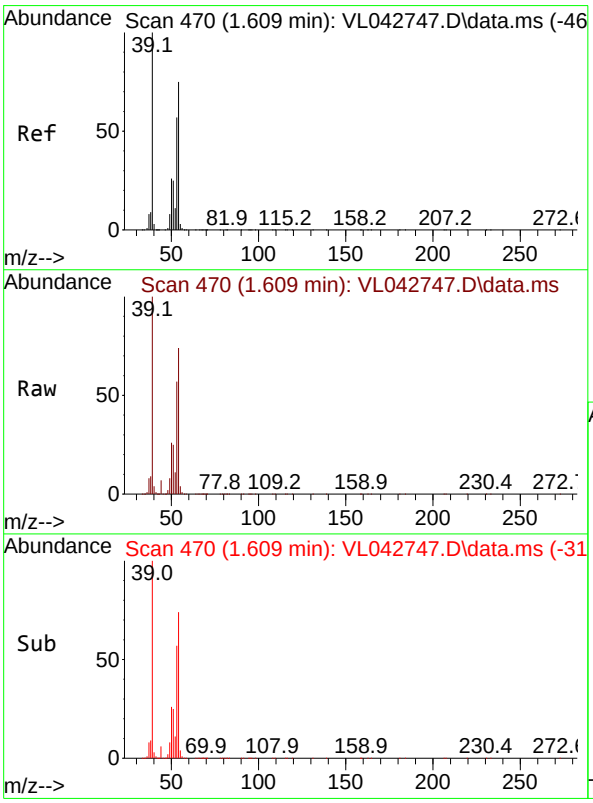
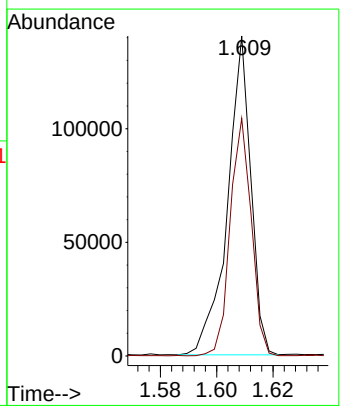
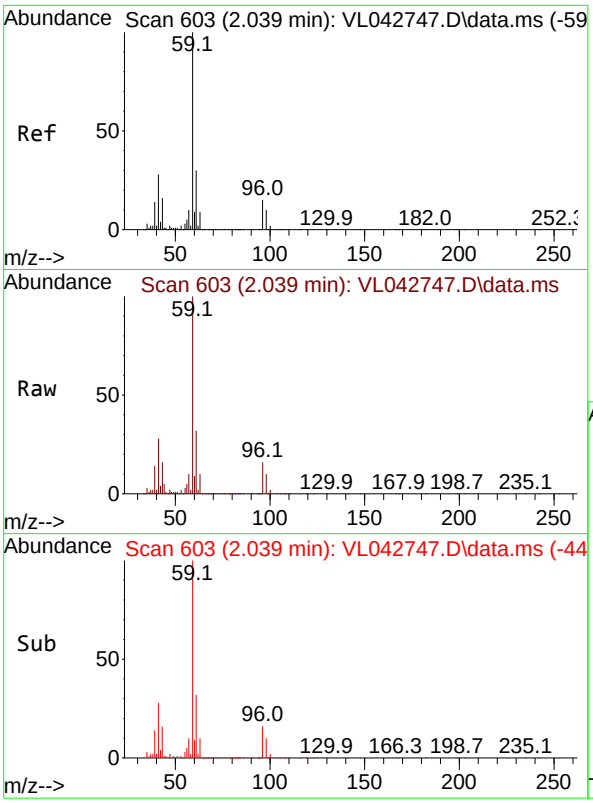


#16
1,3-Butadiene
Concen: 8.642 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 39 Resp: 80968

Ion	Ratio	Lower	Upper
39	100		
54	68.1	54.5	81.7

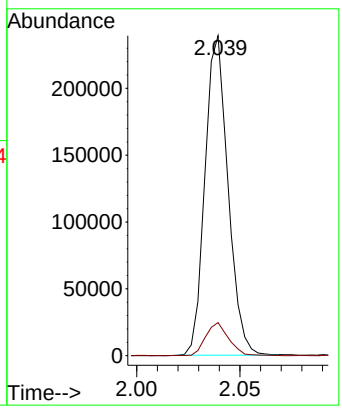




#17
tert-Butyl alcohol
Concen: 9.351 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 59 Resp: 18526

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
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ClientSampleId :
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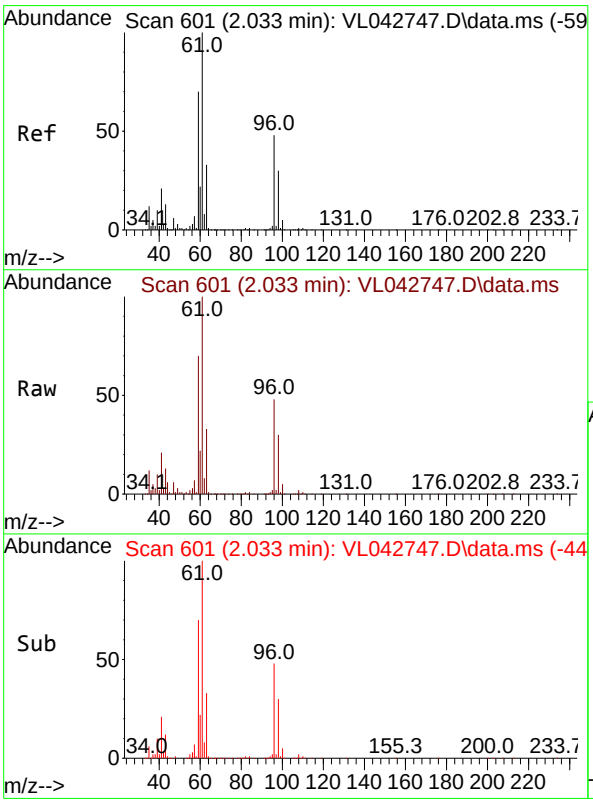
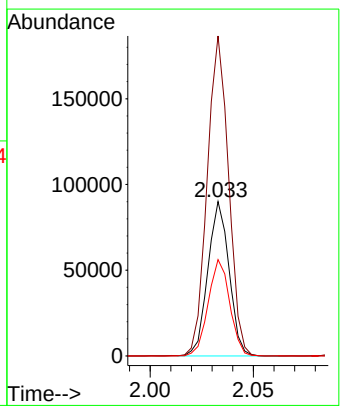
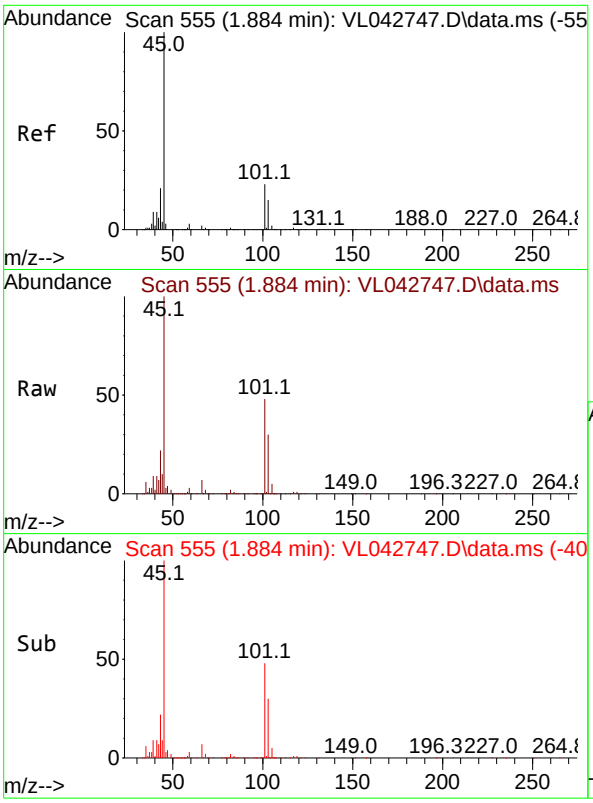


#18
1,1-Dichloroethene
Concen: 8.627 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 64224

Ion	Ratio	Lower	Upper
96	100		
61	207.2	165.8	248.6
98	62.4	49.9	74.9

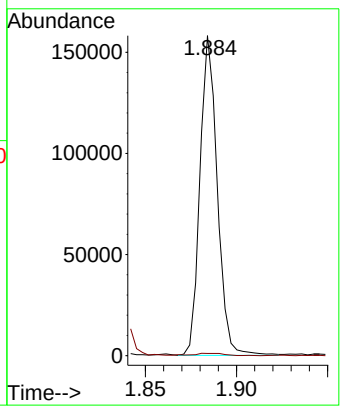




#19
Isopropyl Alcohol
Concen: 8.987 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 45 Resp: 10490

Ion	Ratio	Lower	Upper
45	100		
58	37.5	30.0	45.0



Instrument :
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ClientSampleId :
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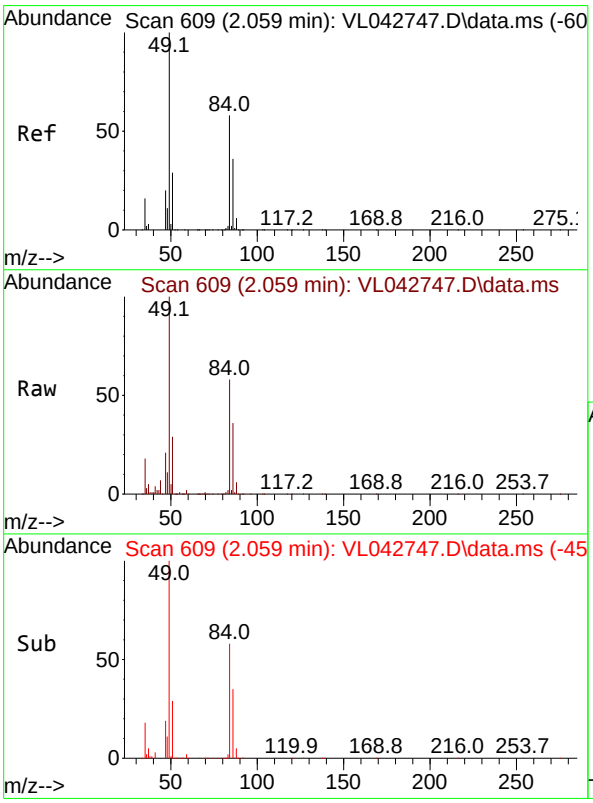
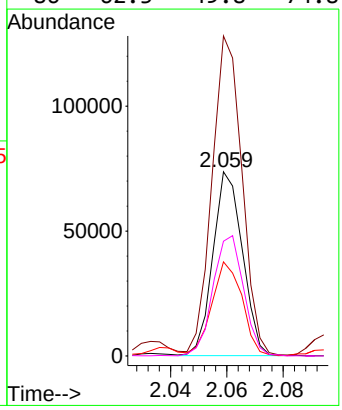
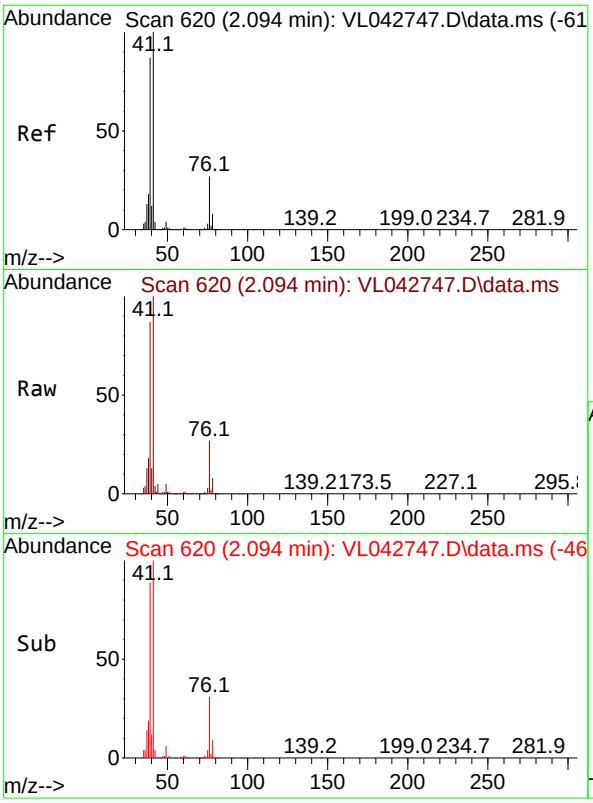


#20
Methylene Chloride
Concen: 7.740 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 53581

Ion	Ratio	Lower	Upper
84	100		
49	173.3	138.6	208.0
51	50.8	40.6	61.0
86	62.3	49.8	74.8

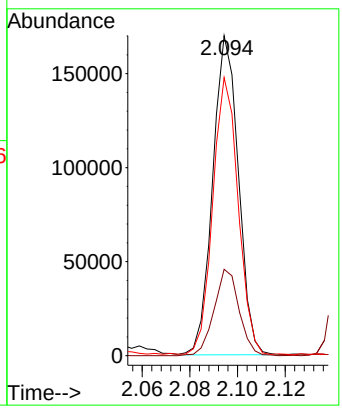




#21
Allyl Chloride
Concen: 9.382 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 41 Resp: 12702

Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.1	31.7
39	85.4	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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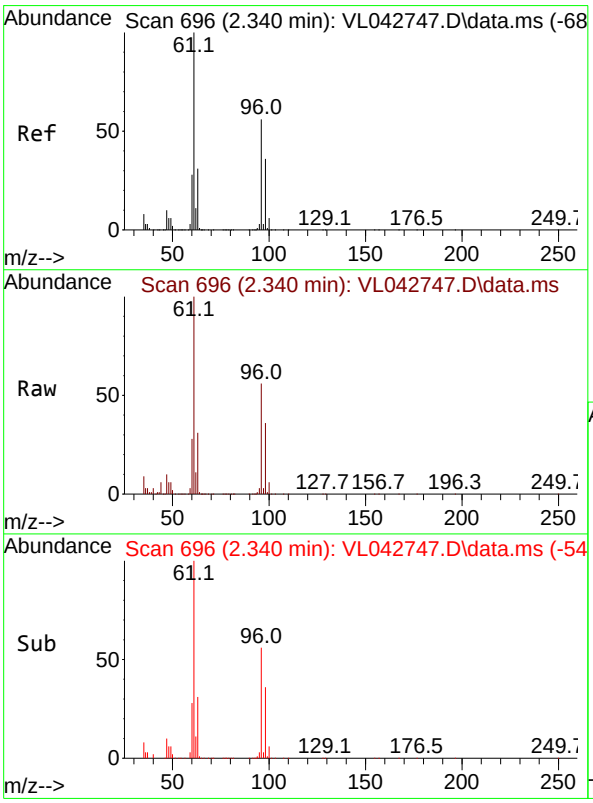
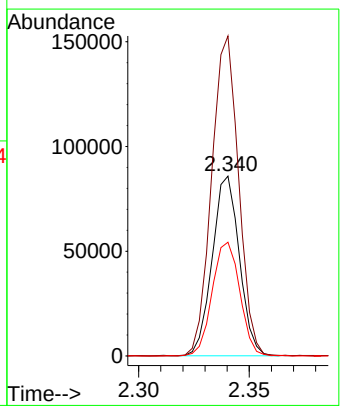
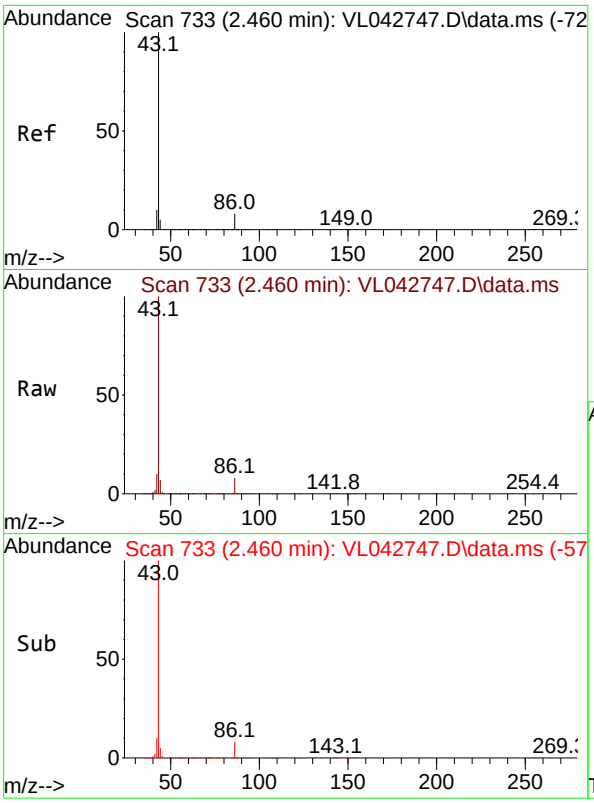


#22
trans-1,2-Dichloroethene
Concen: 9.148 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 73152

Ion	Ratio	Lower	Upper
96	100		
61	177.9	142.3	213.5
98	63.3	50.6	76.0

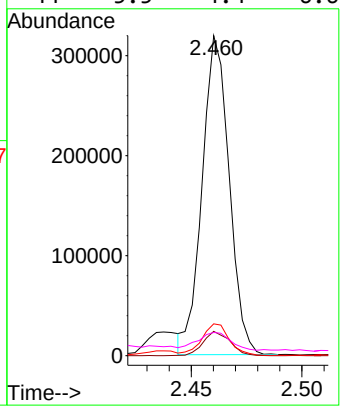




#23
Vinyl Acetate
Concen: 10.181 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 27112

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	9.8	7.8	11.8
44	5.5	4.4	6.6



Instrument :
MSVOA_L
ClientSampleId :
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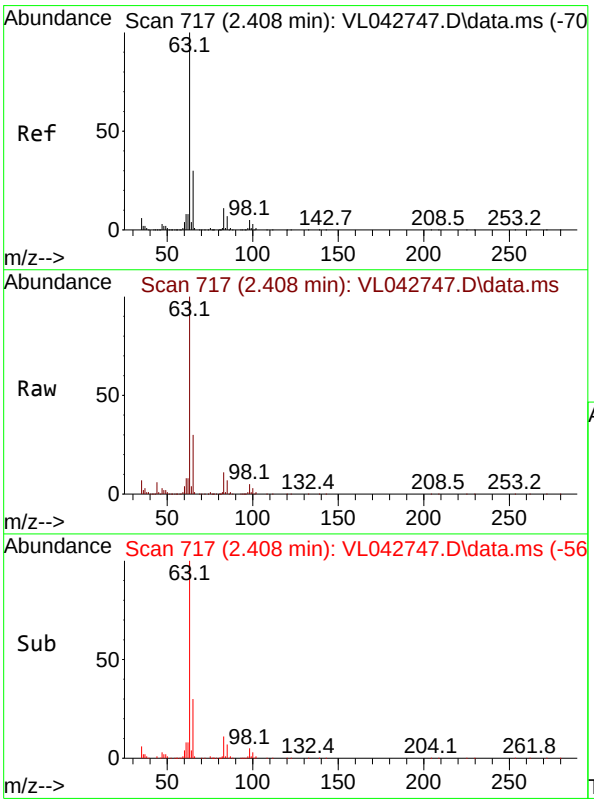
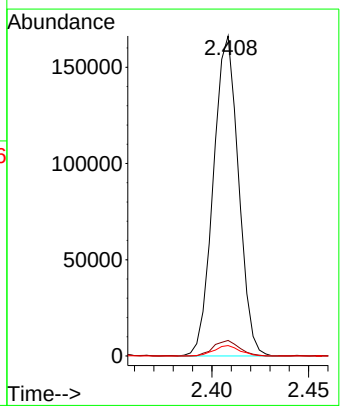
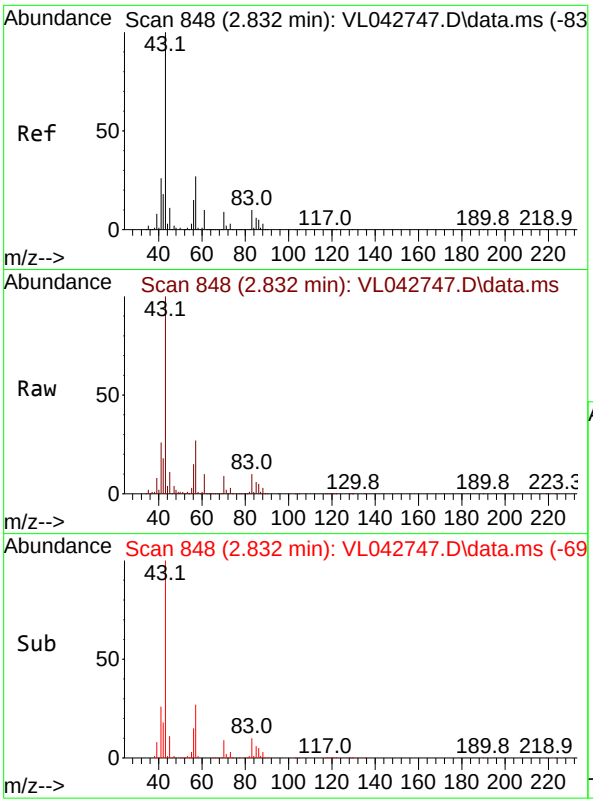


#24
1,1-Dichloroethane
Concen: 9.141 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 63 Resp: 150257

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	3.2	1.6	4.8

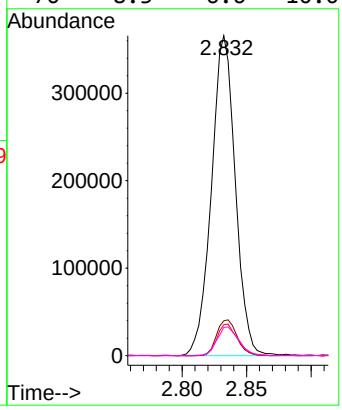




#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 46999

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.4	6.7	10.1
70	8.3	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
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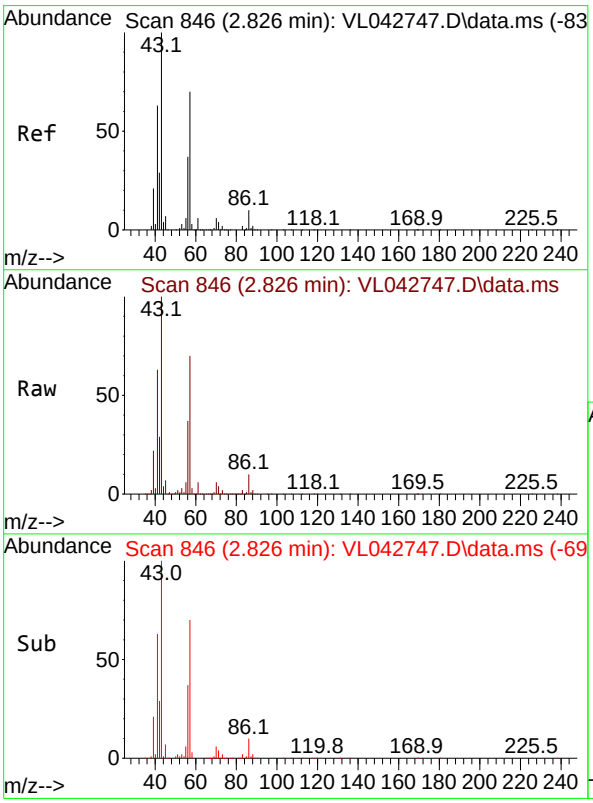
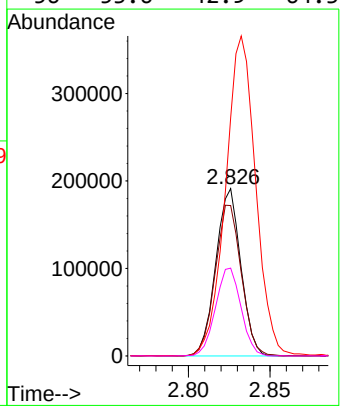
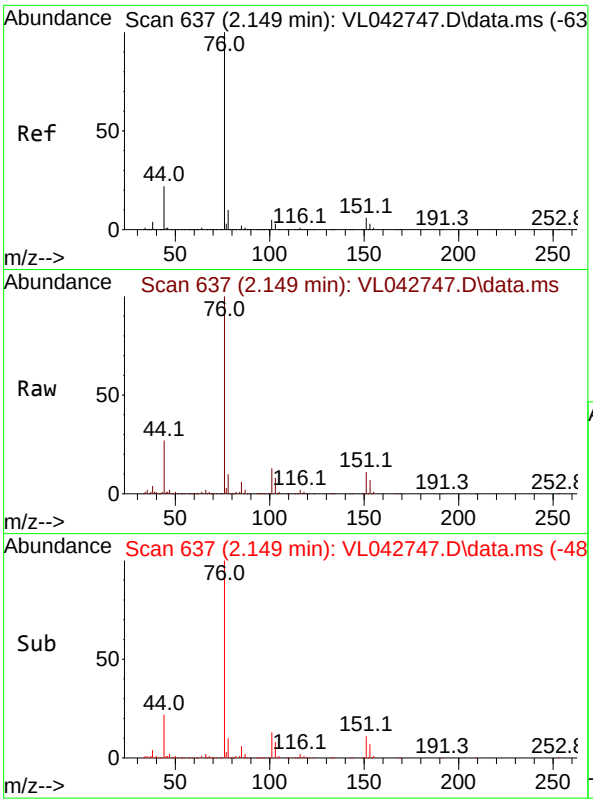


#26
Hexane
Concen: 9.555 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 203800

Ion	Ratio	Lower	Upper
57	100		
41	94.3	75.4	113.2
43	231.3	185.0	277.6
56	53.6	42.9	64.3

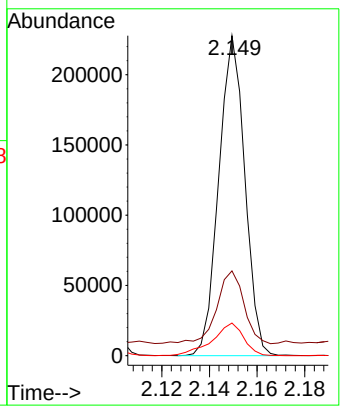




#27
Carbon Disulfide
Concen: 9.480 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 76 Resp: 17310

Ion	Ratio	Lower	Upper
76	100		
44	24.1	19.3	28.9
78	12.4	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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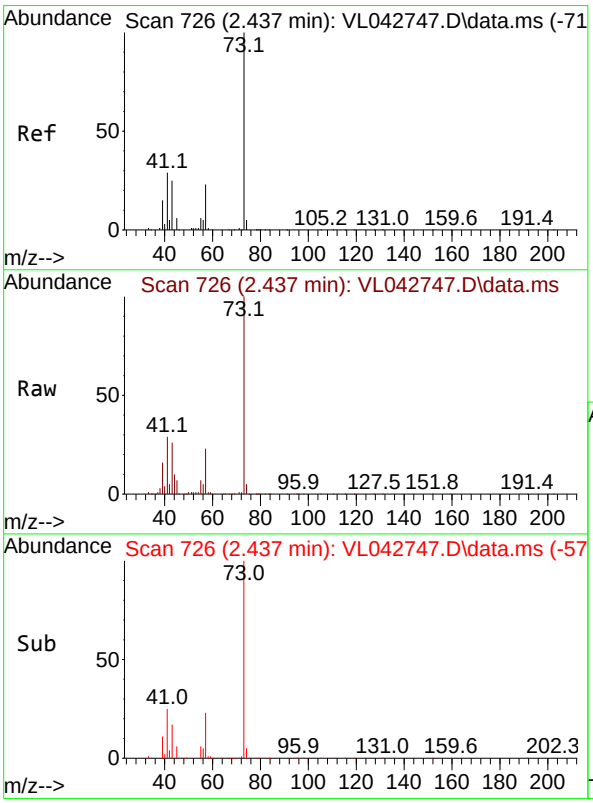
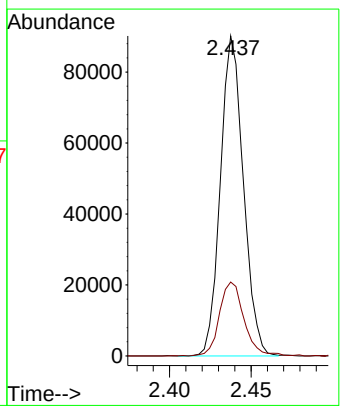
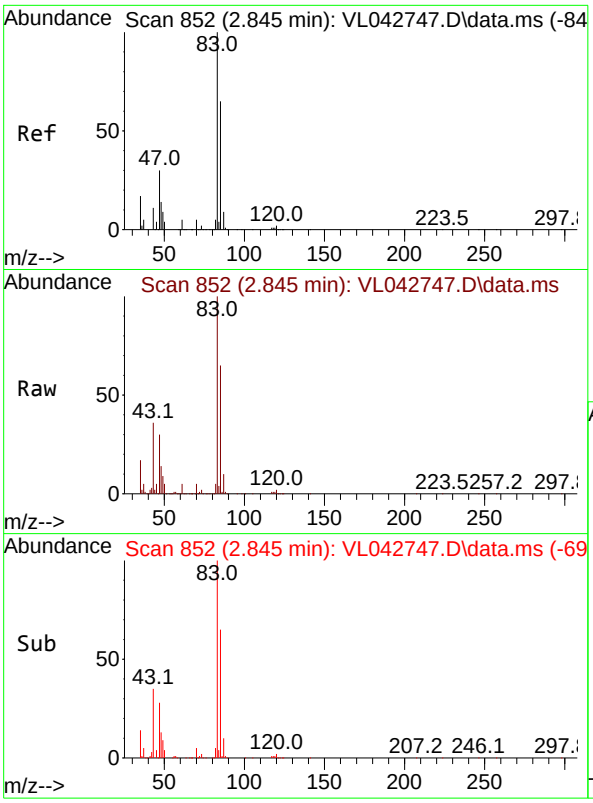


#28
Methyl tert-Butyl Ether
Concen: 8.770 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 73 Resp: 88372

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.8

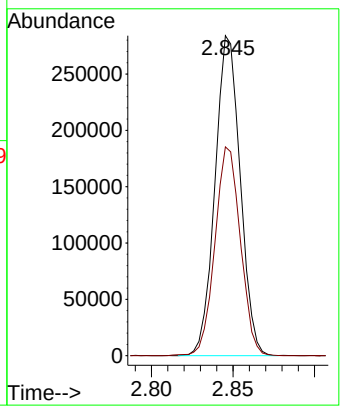




#29
Chloroform
Concen: 9.244 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 30467

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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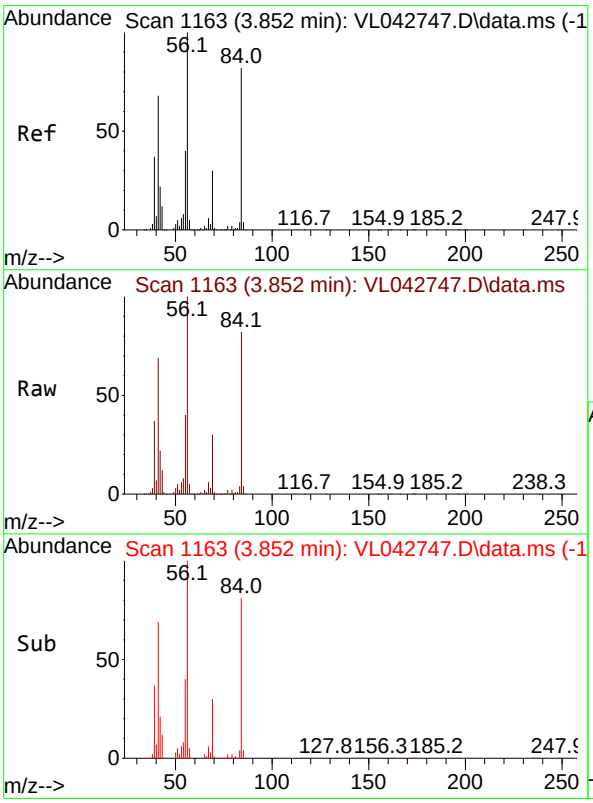
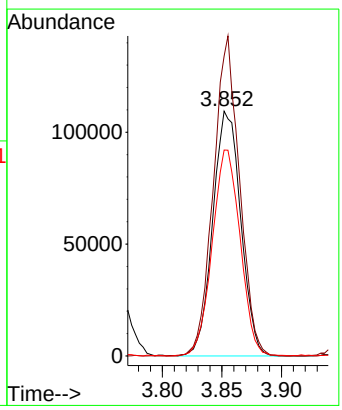
Supervised By :Mahesh Dadoda 07/24/2025

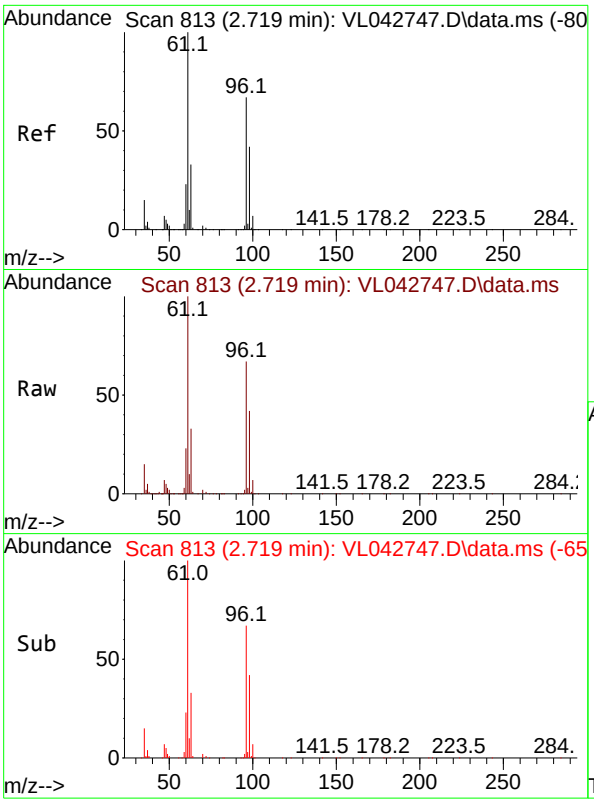


#30
Cyclohexane
Concen: 9.892 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 178948

Ion	Ratio	Lower	Upper
84	100		
56	121.9	97.5	146.3
41	84.0	67.2	100.8

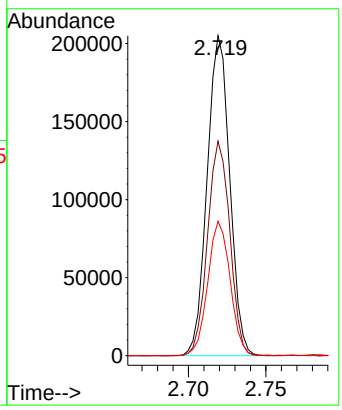




#31
cis-1,2-Dichloroethene
Concen: 9.479 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 61 Resp: 20775

Ion	Ratio	Lower	Upper
61	100		
96	66.9	53.5	80.3
98	42.0	33.6	50.4



Instrument :
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ClientSampleId :
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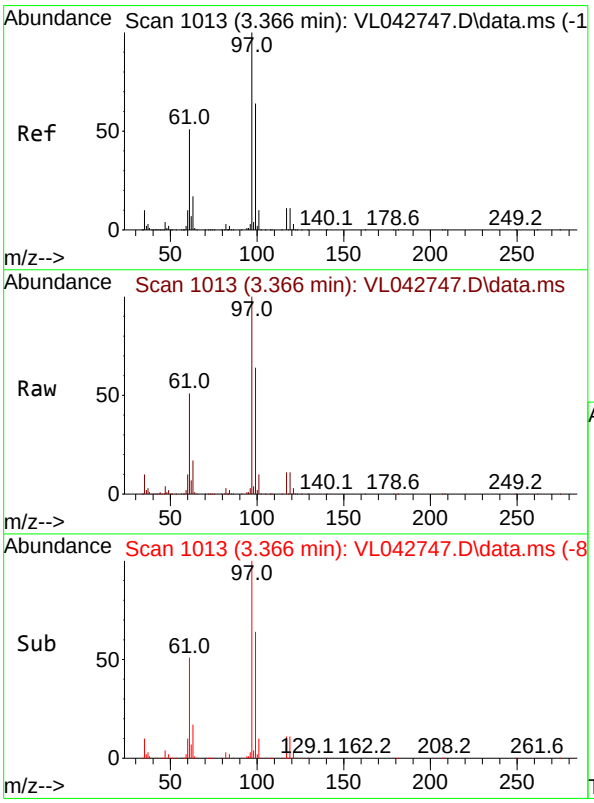
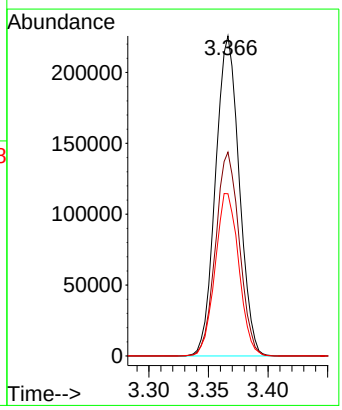
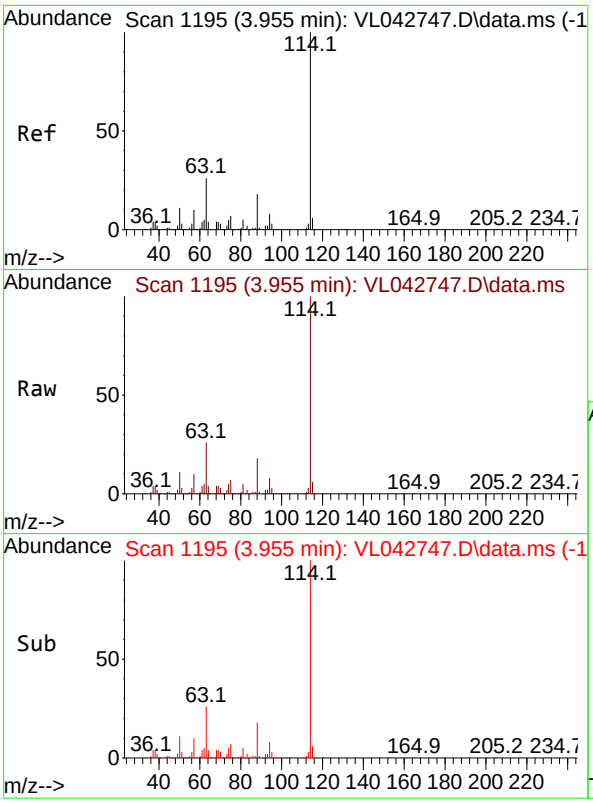


#32
1,1,1-Trichloroethane
Concen: 9.069 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 97 Resp: 311368

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	51.1	40.9	61.3

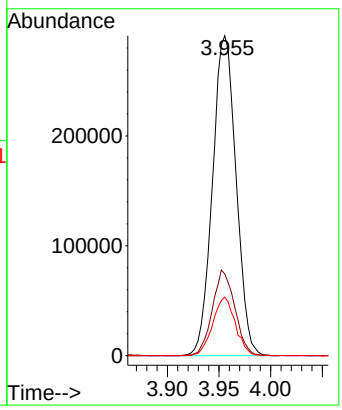




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:114 Resp: 46276

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.5	14.0	21.0



Instrument :
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ClientSampleId :
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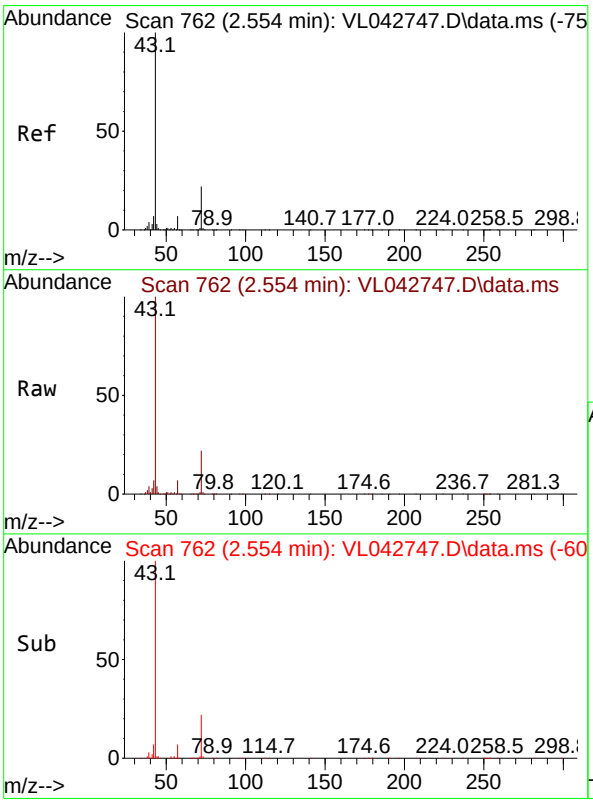
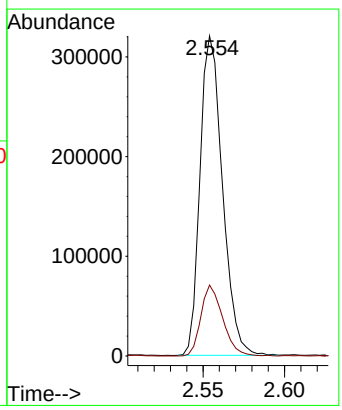
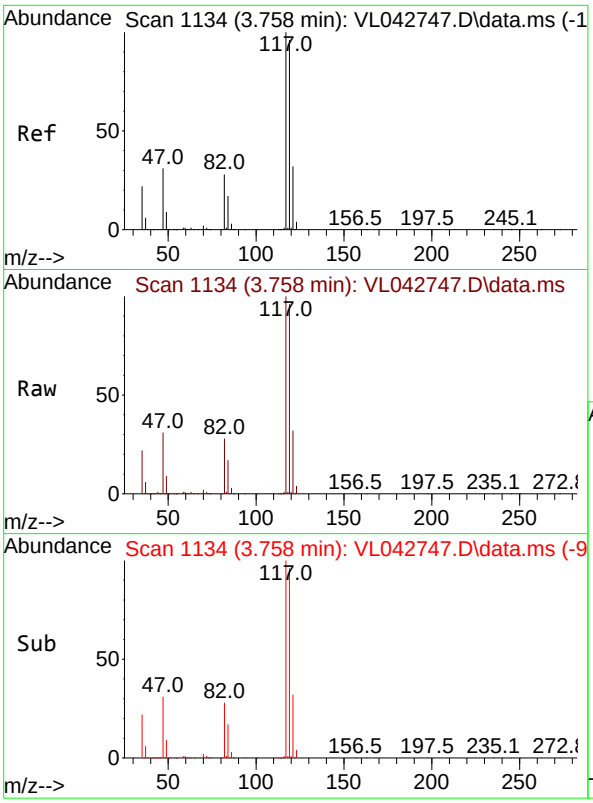


#34
2-Butanone
Concen: 9.361 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 306858

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.0

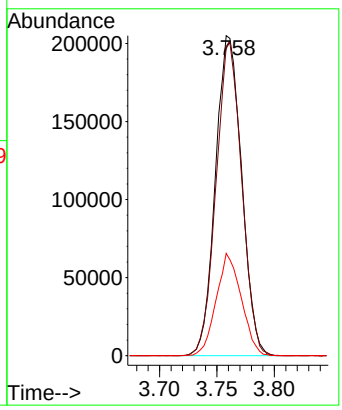




#35
Carbon Tetrachloride
Concen: 9.436 ppbv
RT: 3.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:117 Resp: 32450

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	31.9	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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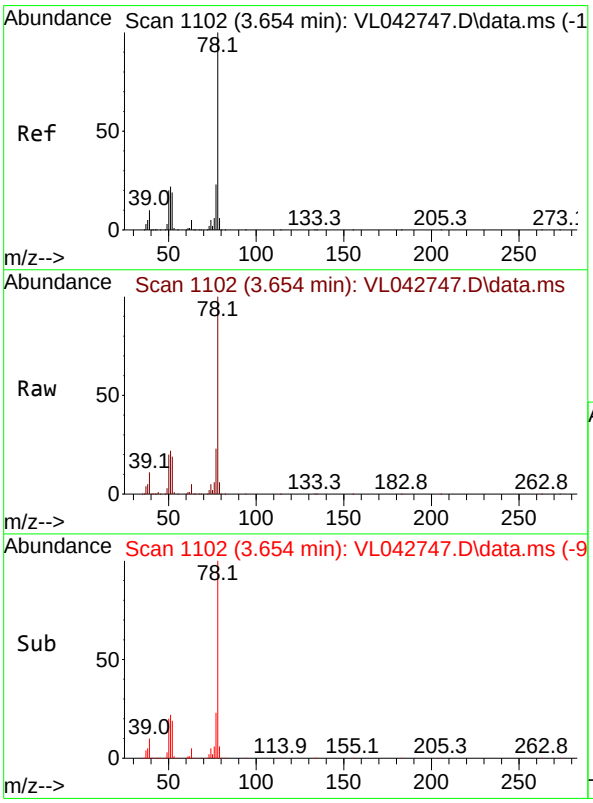
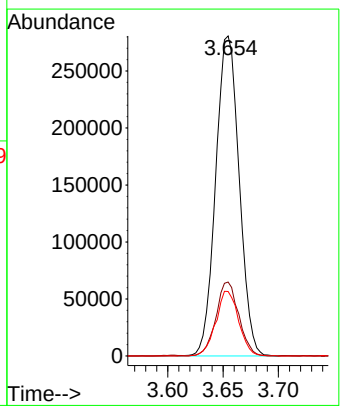
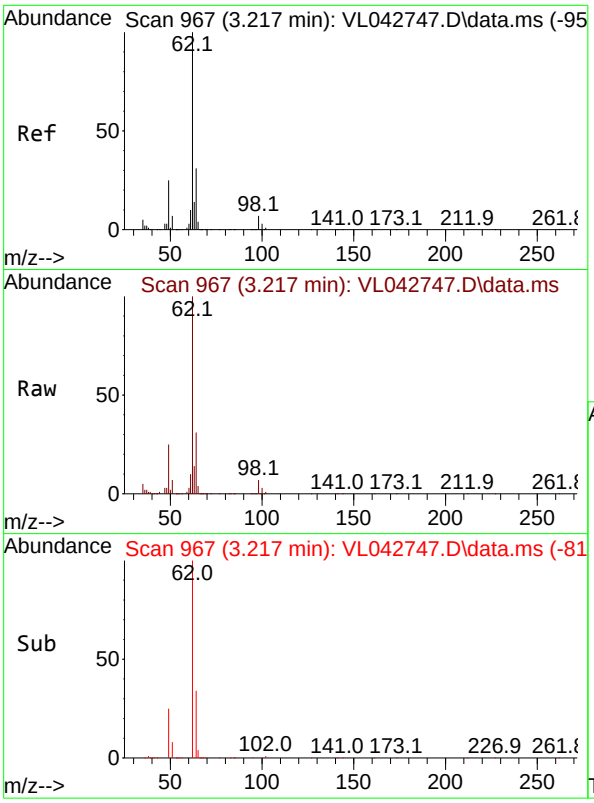


#36
Benzene
Concen: 9.459 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 78 Resp: 414863

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	20.2	16.2	24.2

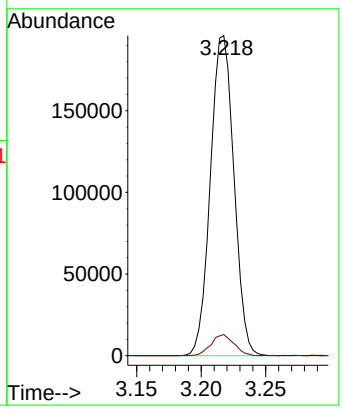




#37
1,2-Dichloroethane
Concen: 9.403 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 62 Resp: 24841

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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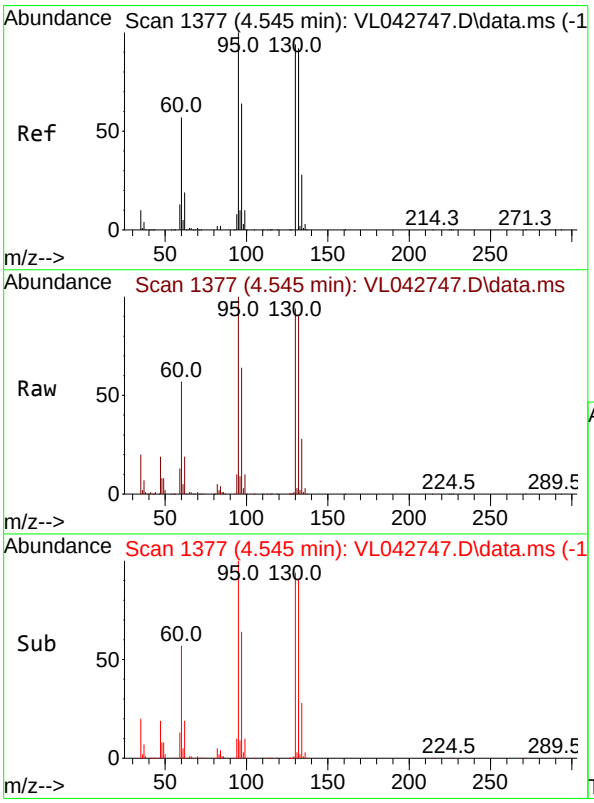
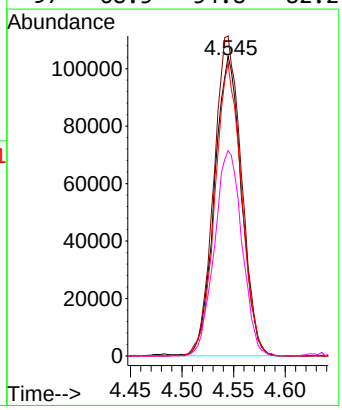
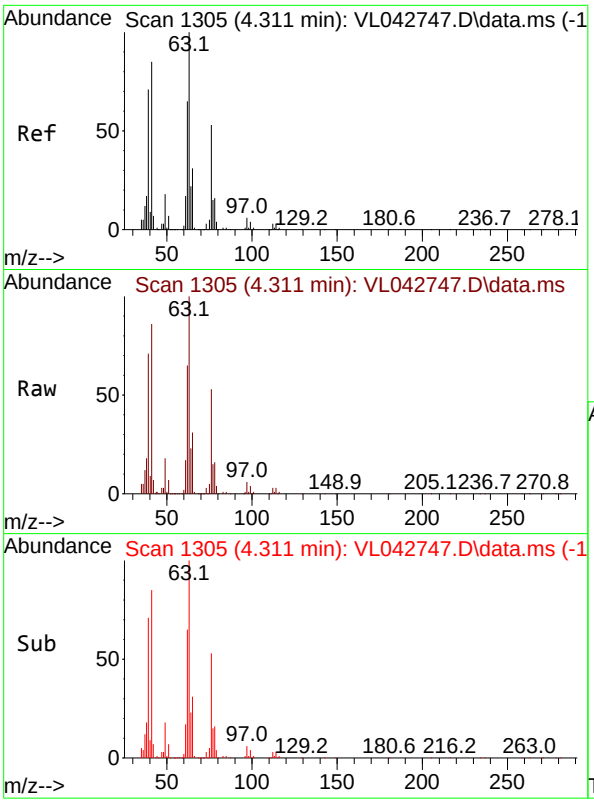


#38
Trichloroethene
Concen: 8.926 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:130 Resp: 188750

Ion	Ratio	Lower	Upper
130	100		
95	106.8	85.4	128.2
132	97.7	78.2	117.2
97	68.5	54.8	82.2

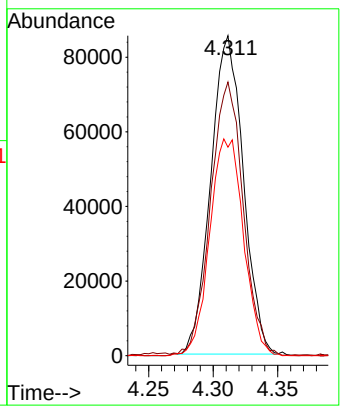




#39
1,2-Dichloropropane
Concen: 9.251 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 63 Resp: 14977

Ion	Ratio	Lower	Upper
63	100		
41	85.3	68.2	102.4
62	65.0	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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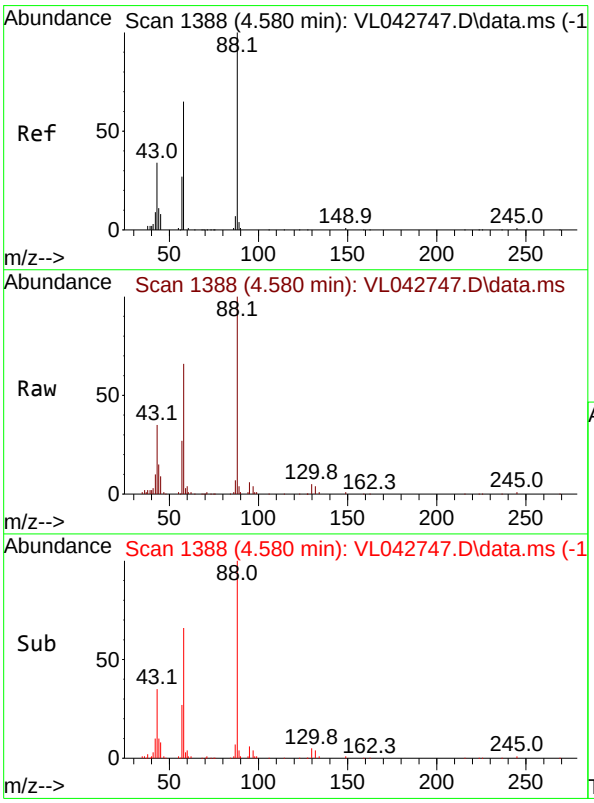
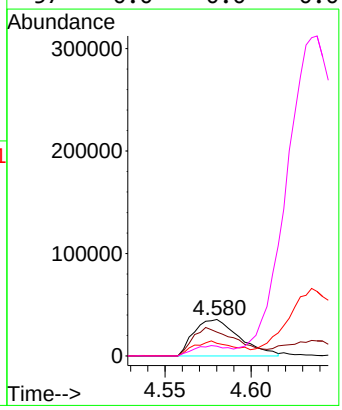
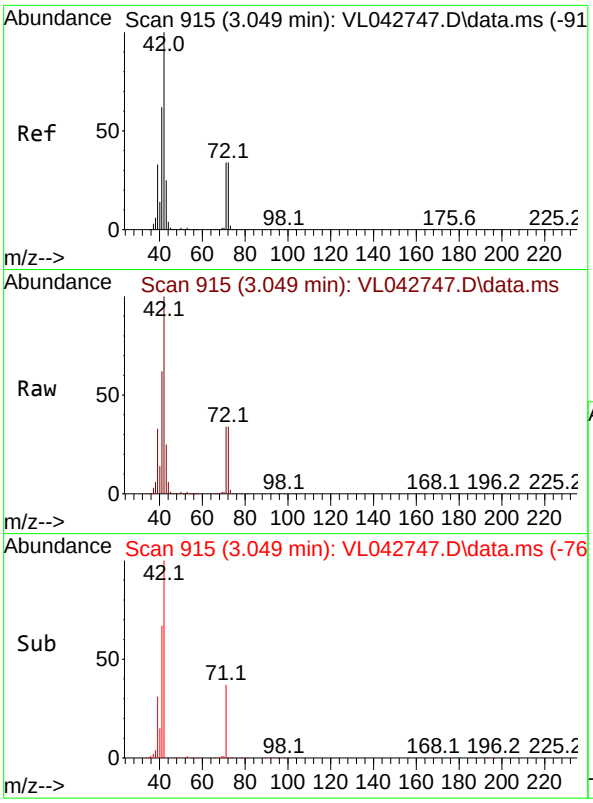


#40
1,4-Dioxane
Concen: 8.569 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 88 Resp: 65413

Ion	Ratio	Lower	Upper
88	100		
58	73.5	58.8	88.2
43	36.1	28.9	43.3
57	0.0	0.0	0.0

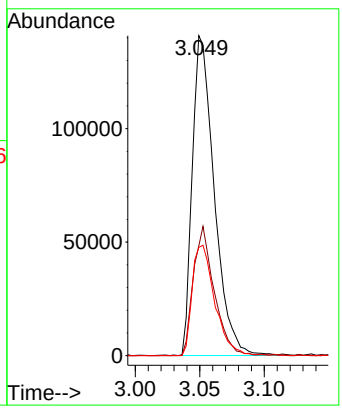




#41
Tetrahydrofuran
Concen: 10.160 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 42 Resp: 16732

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	35.8	28.6	43.0



Instrument :
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ClientSampleId :
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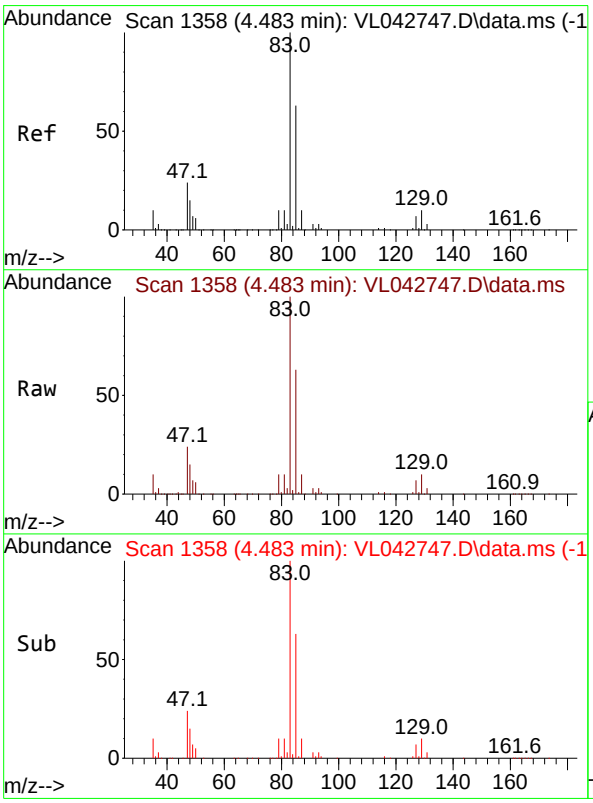
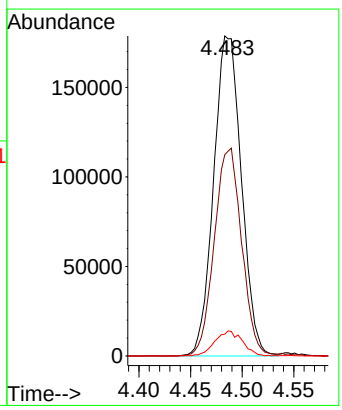
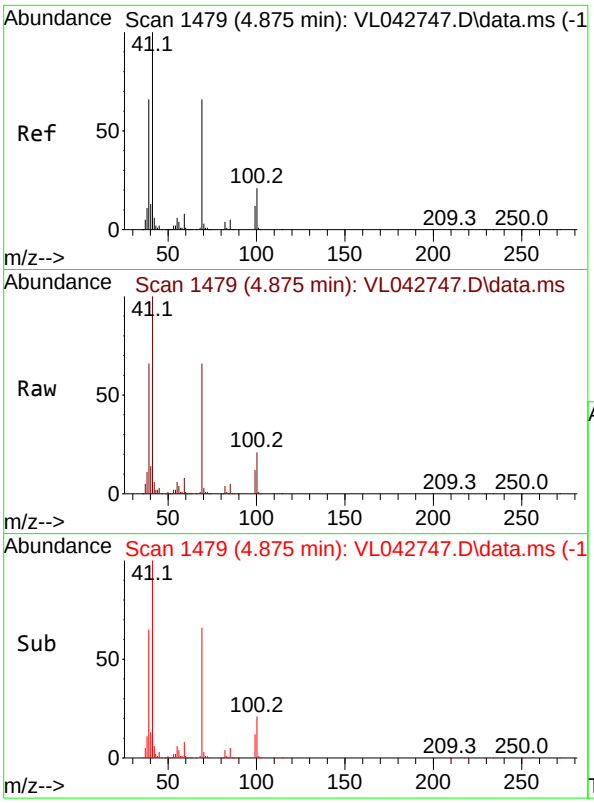


#42
Bromodichloromethane
Concen: 9.713 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 334531

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	6.8	5.4	8.2

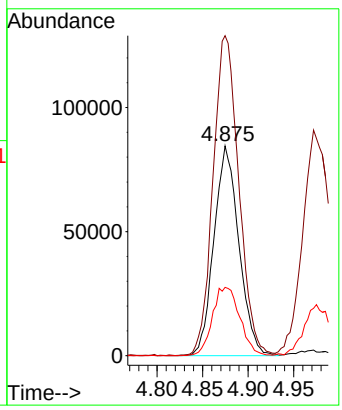




#43
Methyl Methacrylate
Concen: 10.331 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 69 Resp: 16105

Ion	Ratio	Lower	Upper
69	100		
41	157.1	125.7	188.5
100	35.7	28.6	42.8



Instrument :
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ClientSampleId :
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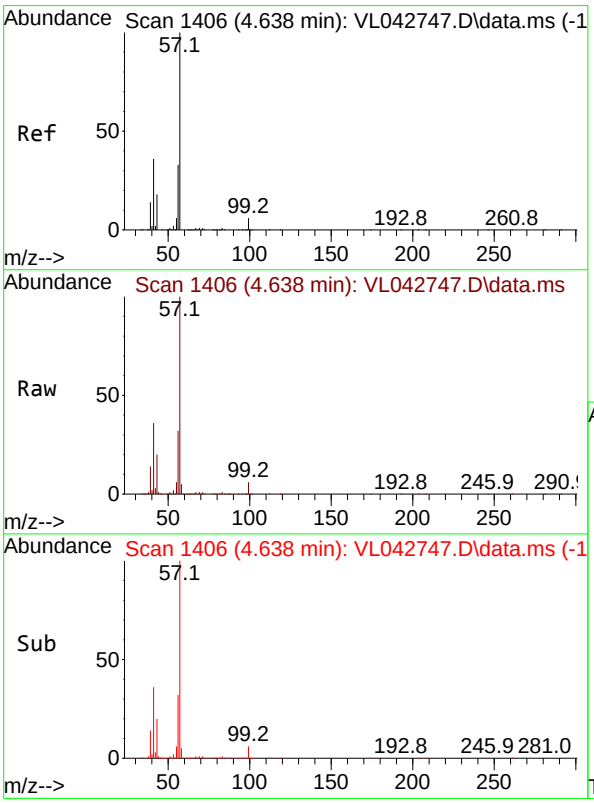
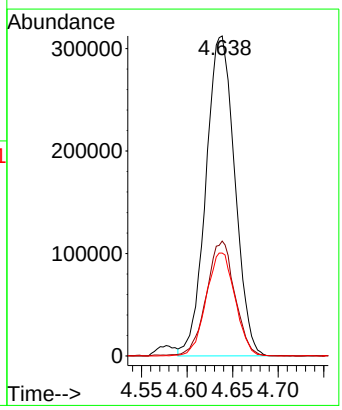
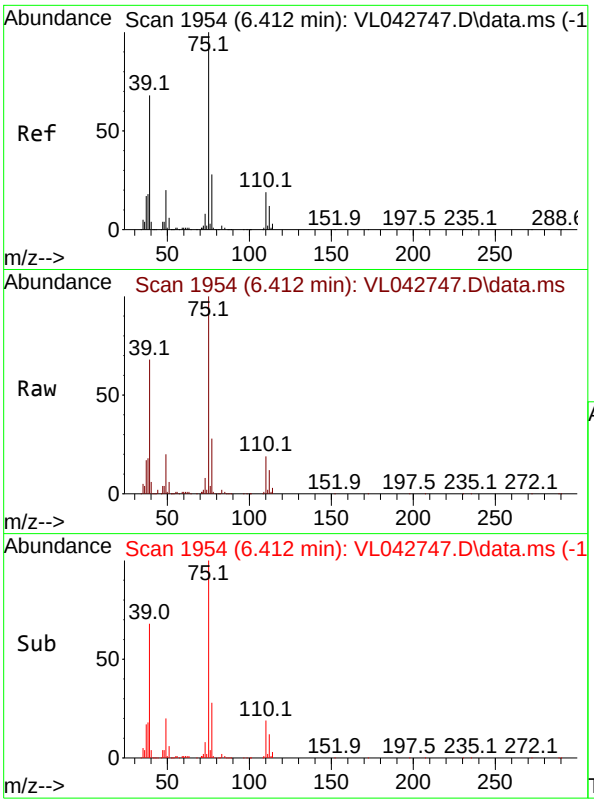


#44
2,2,4-Trimethylpentane
Concen: 9.623 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 687885

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.3	42.5
56	32.2	25.8	38.6

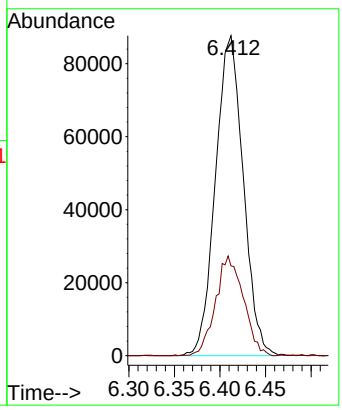




#45
t-1,3-Dichloropropene
Concen: 10.633 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 75 Resp: 18596

Ion	Ratio	Lower	Upper
75	100		
77	28.0	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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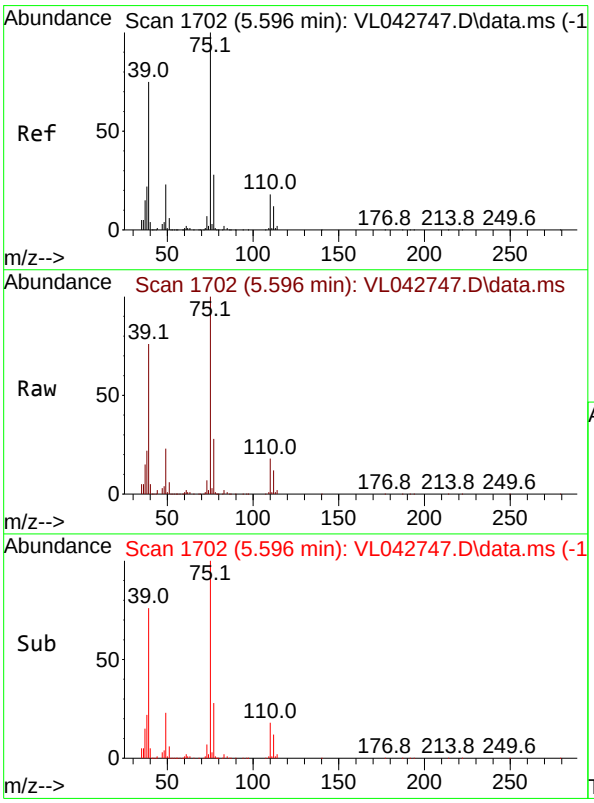
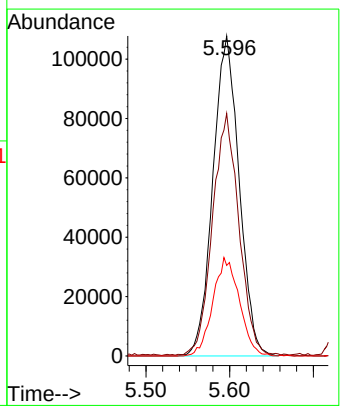
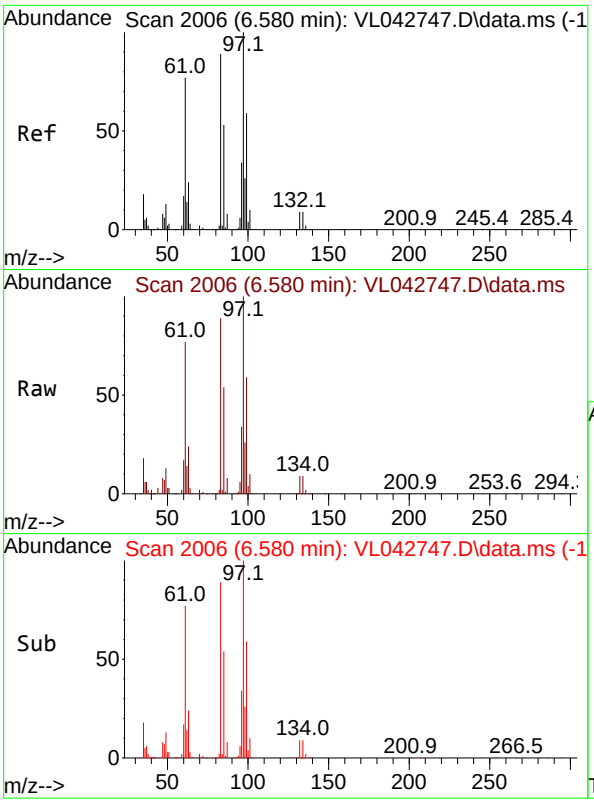


#46
cis-1,3-Dichloropropene
Concen: 10.587 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 75 Resp: 234594

Ion	Ratio	Lower	Upper
75	100		
39	75.2	60.2	90.2
77	28.3	22.6	34.0

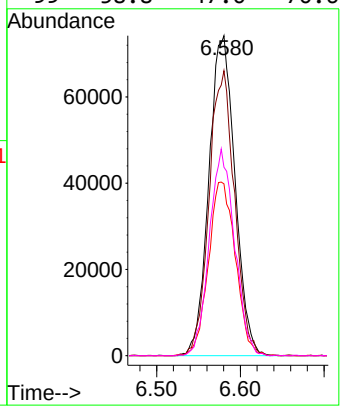




#47
1,1,2-Trichloroethane
Concen: 9.297 ppbv
RT: 6.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 97 Resp: 16043

Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.1	106.7
85	53.7	43.0	64.4
99	58.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
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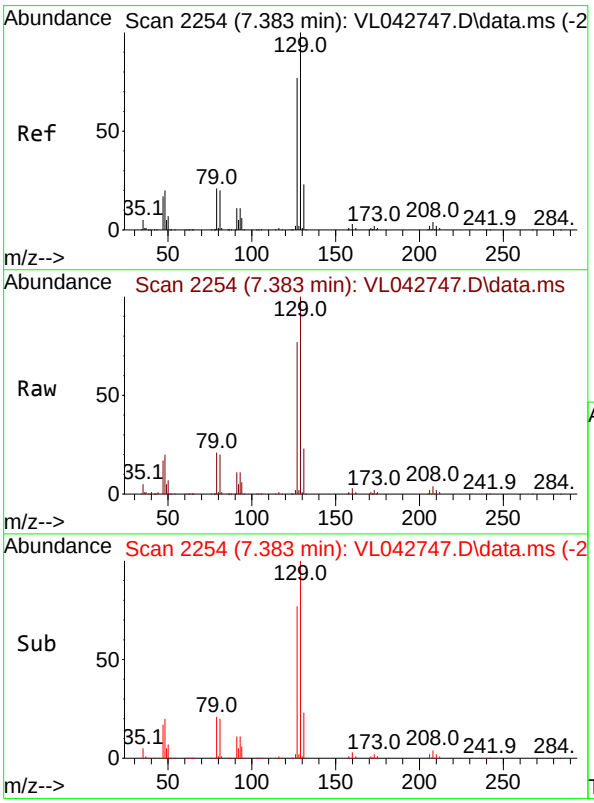
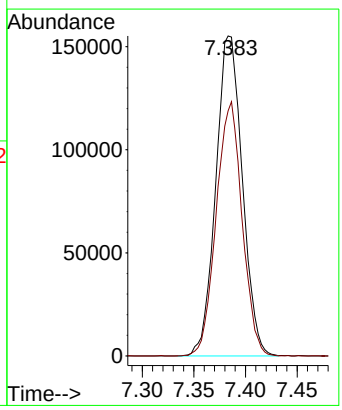
Supervised By :Mahesh Dadoda 07/24/2025

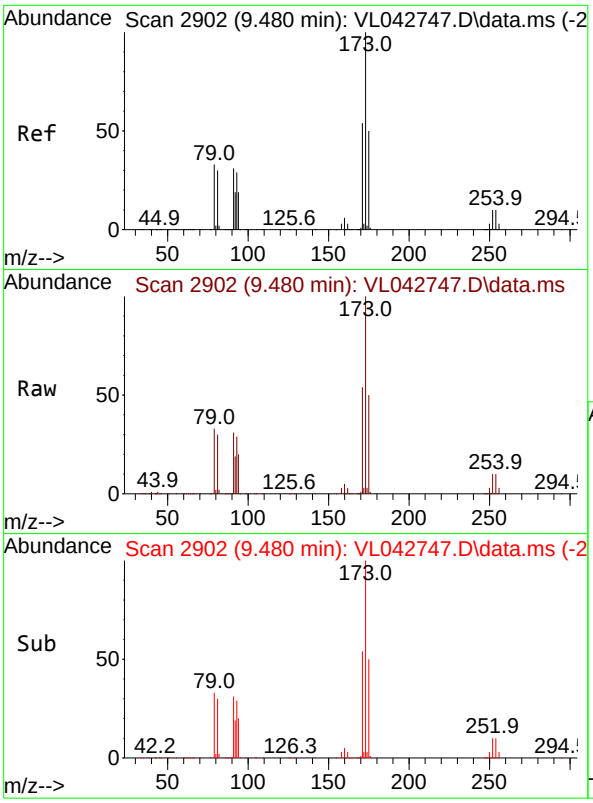


#48
Dibromochloromethane
Concen: 10.141 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:129 Resp: 277832

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1

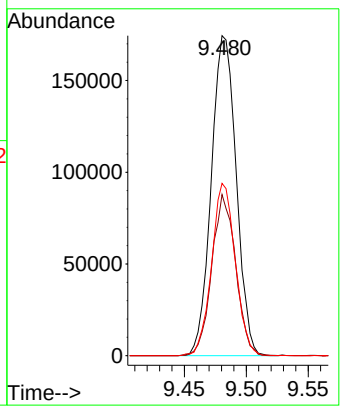




#49
Bromoform
Concen: 10.256 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:173 Resp: 24499

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.1	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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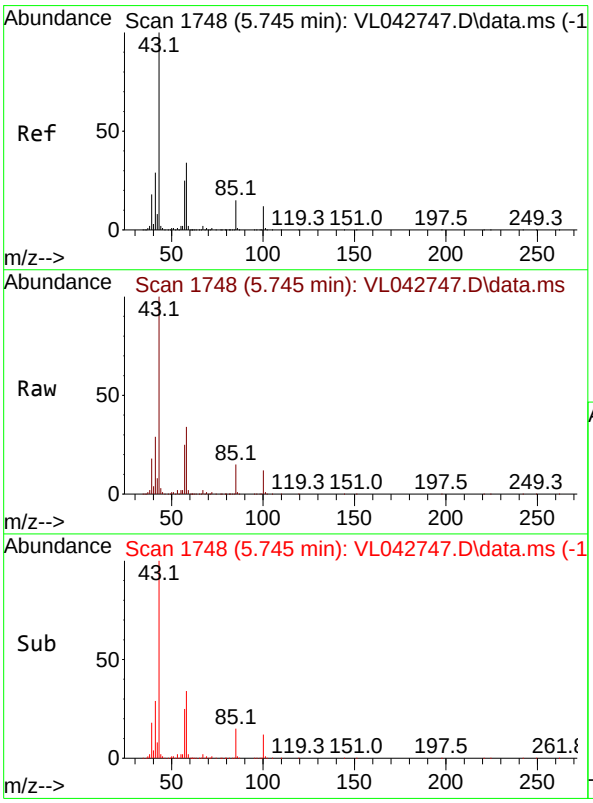
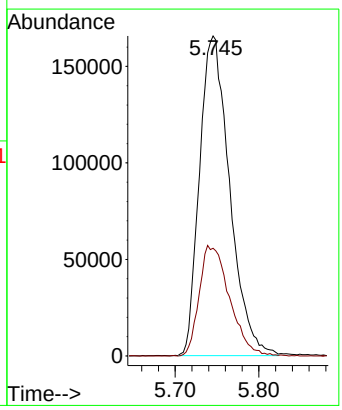
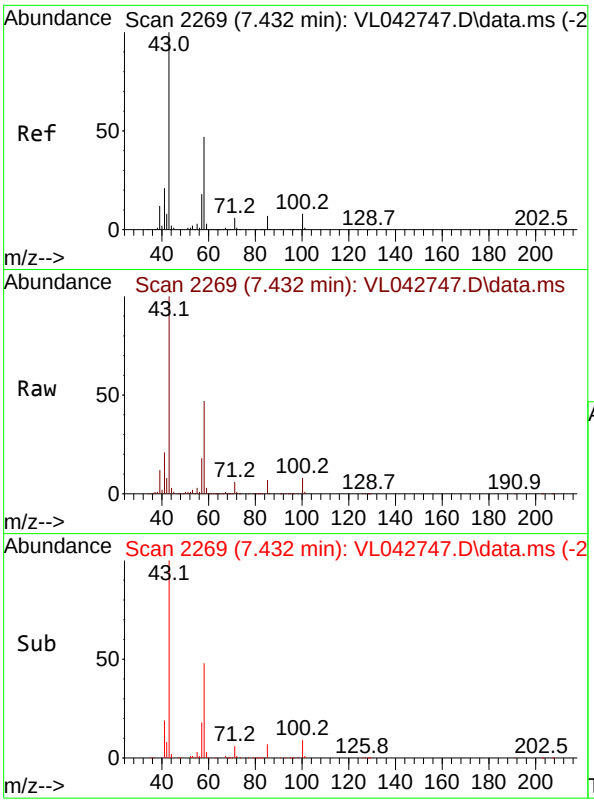


#50
4-Methyl-2-Pentanone
Concen: 9.914 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 413966

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8





#51
2-Hexanone
Concen: 10.532 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 33604

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	0.3	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
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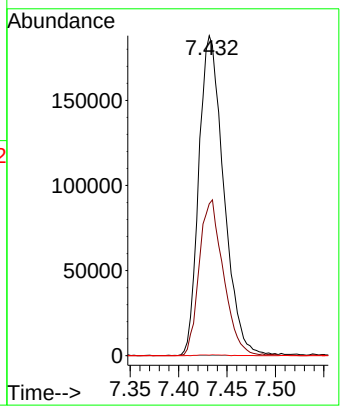
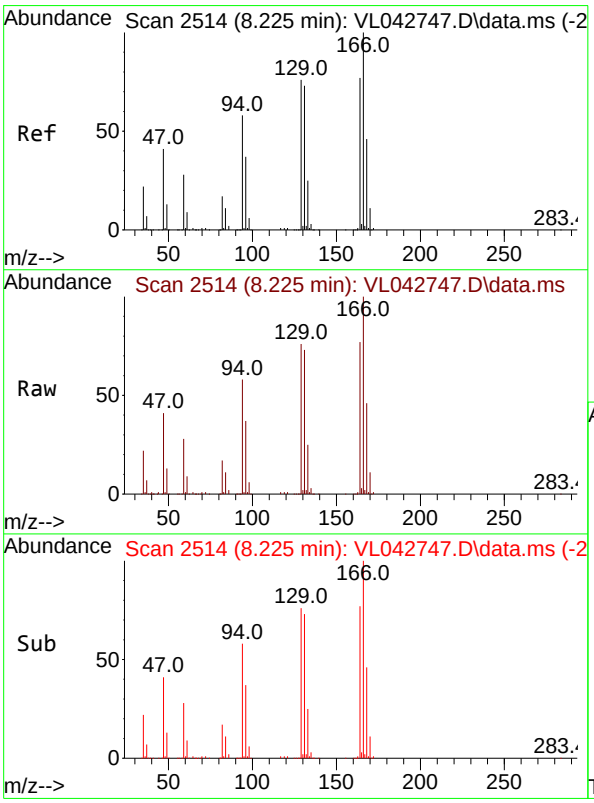
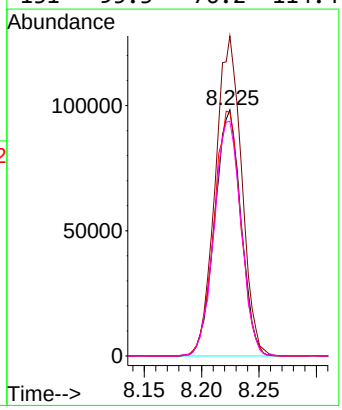


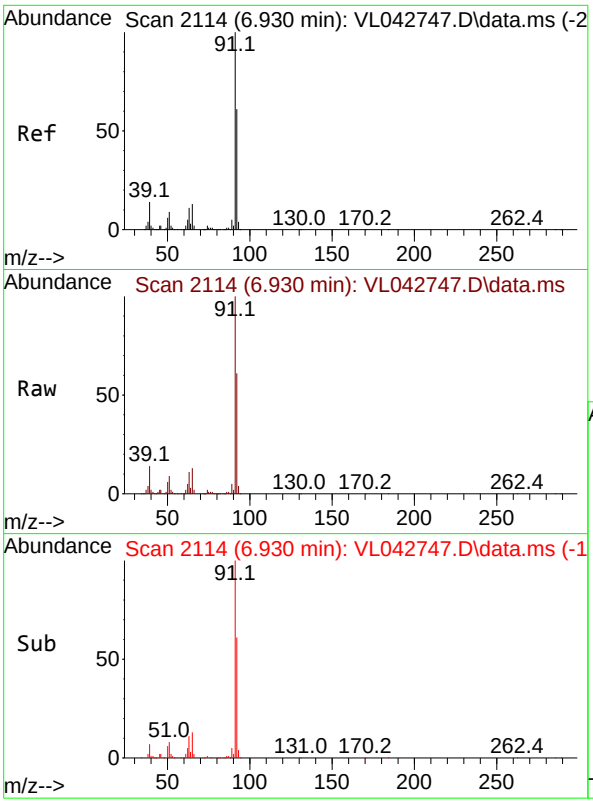


#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:164 Resp: 156930

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	99.0	79.2	118.8
131	95.3	76.2	114.4

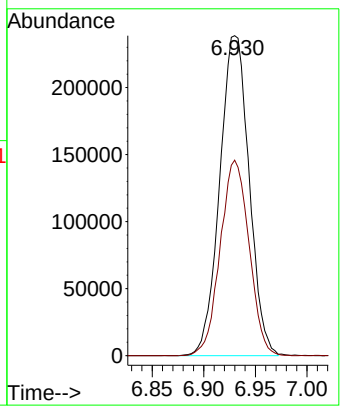




#53
Toluene
Concen: 10.042 ppbv
RT: 6.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 47295

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0



Instrument :
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ClientSampleId :
VSTDICCC010

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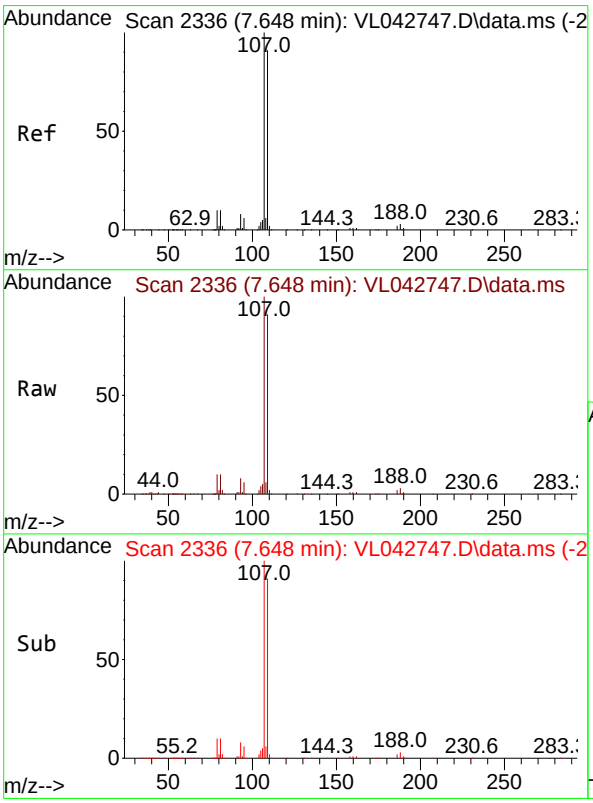
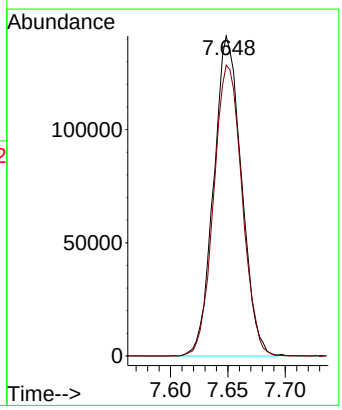
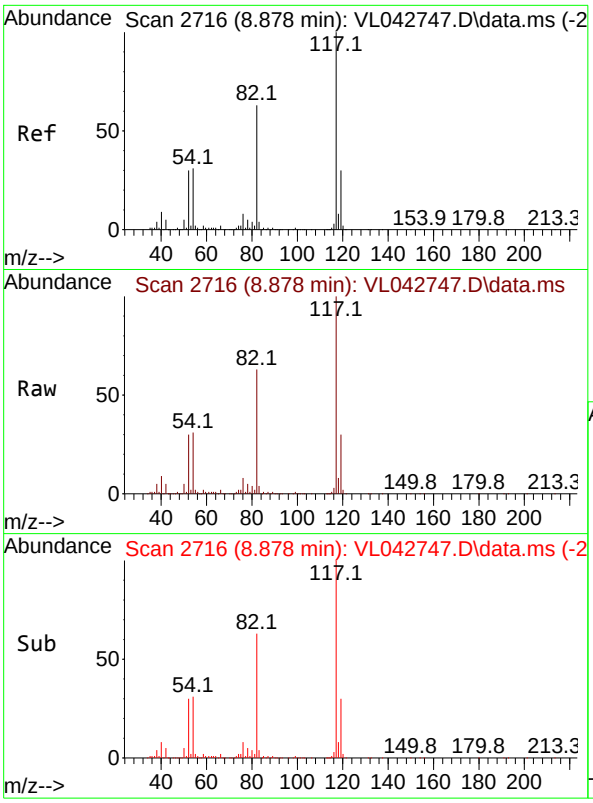


#54
1,2-Dibromoethane
Concen: 9.745 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:107 Resp: 238045

Ion	Ratio	Lower	Upper
107	100		
109	90.9	72.7	109.1

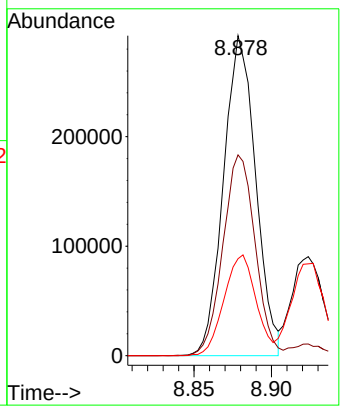




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:117 Resp: 42220

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.3	79.9
119	32.2	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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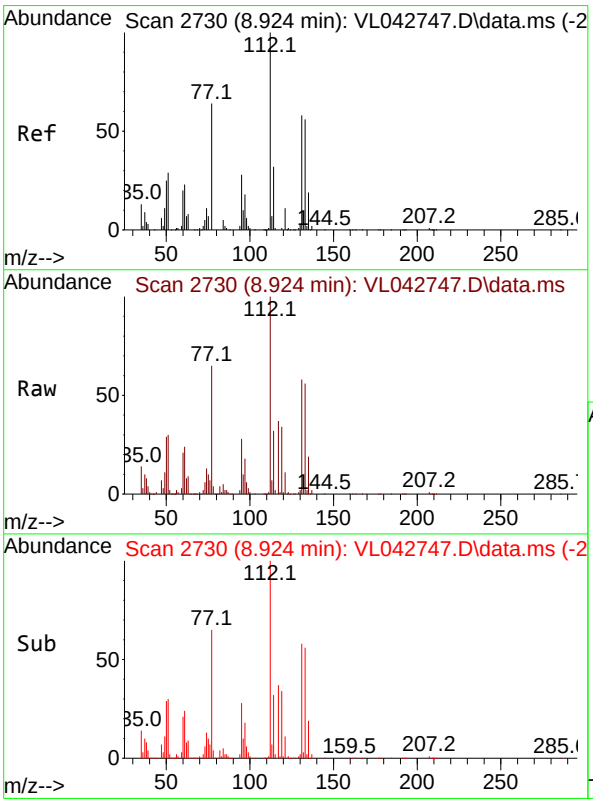
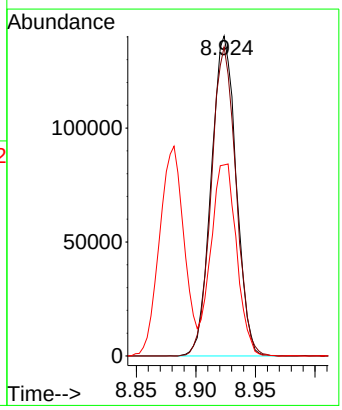
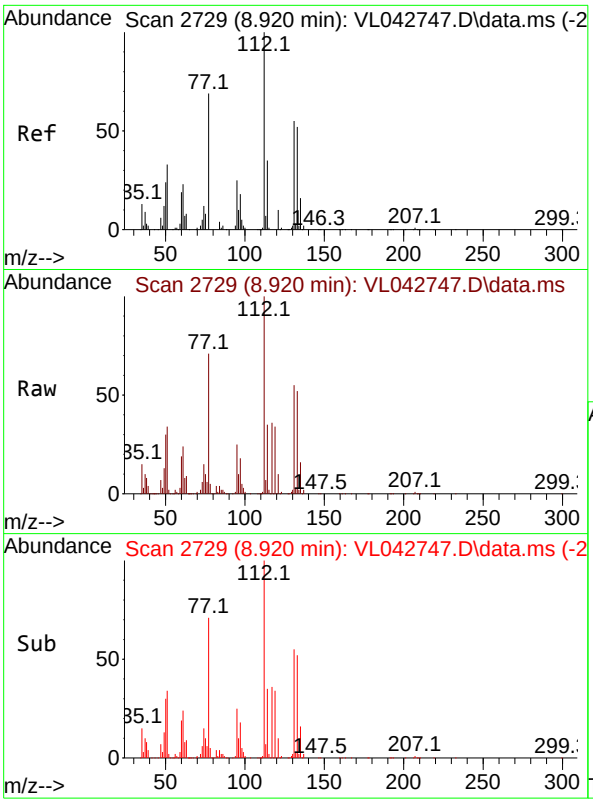


#56
1,1,1,2-Tetrachloroethane
Concen: 9.302 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:131 Resp: 204205

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.8	115.2
119	62.1	49.7	74.5

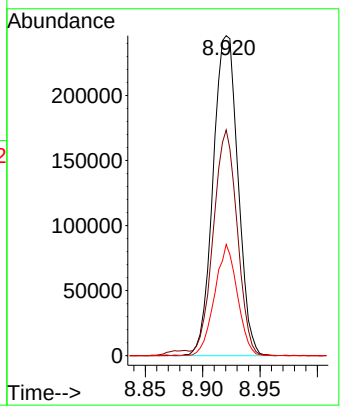




#57
Chlorobenzene
Concen: 9.082 ppbv
RT: 8.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:112 Resp: 37111

Ion	Ratio	Lower	Upper
112	100		
77	70.5	56.4	84.6
114	34.7	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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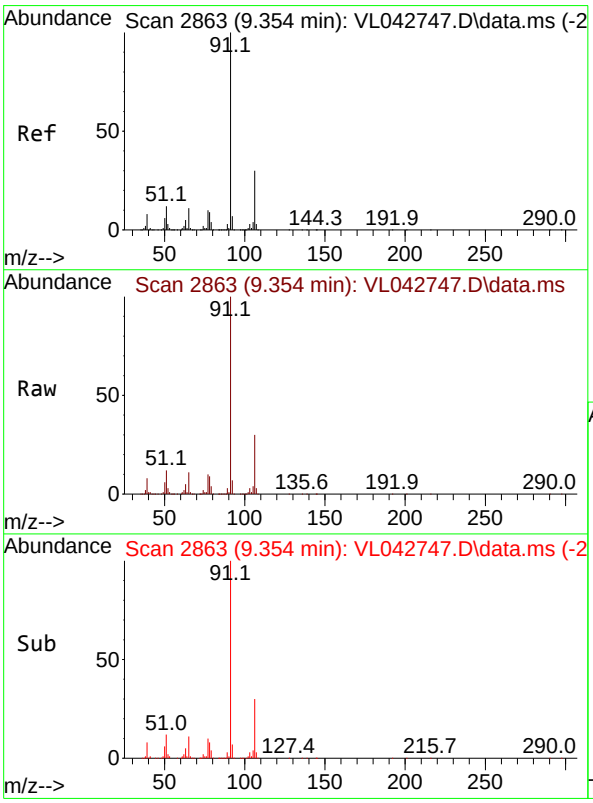
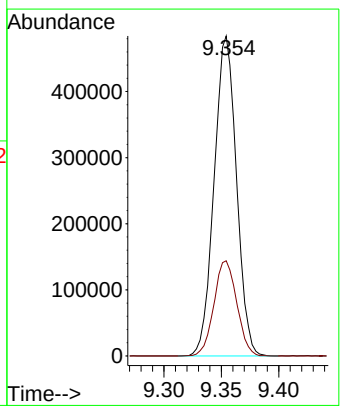
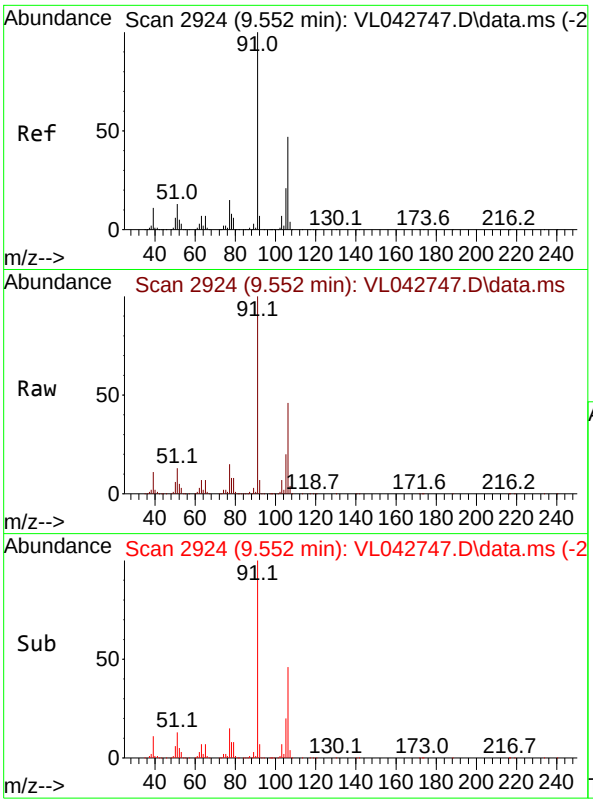


#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 655020

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

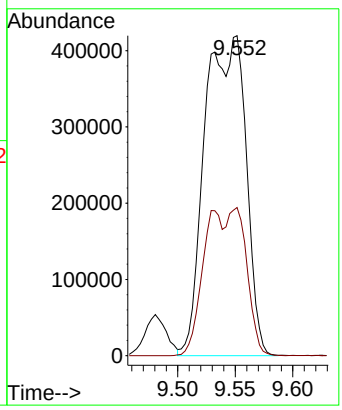




#59
m/p-Xylene
Concen: 19.555 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 104233

Ion	Ratio	Lower	Upper
91	100		
106	46.8	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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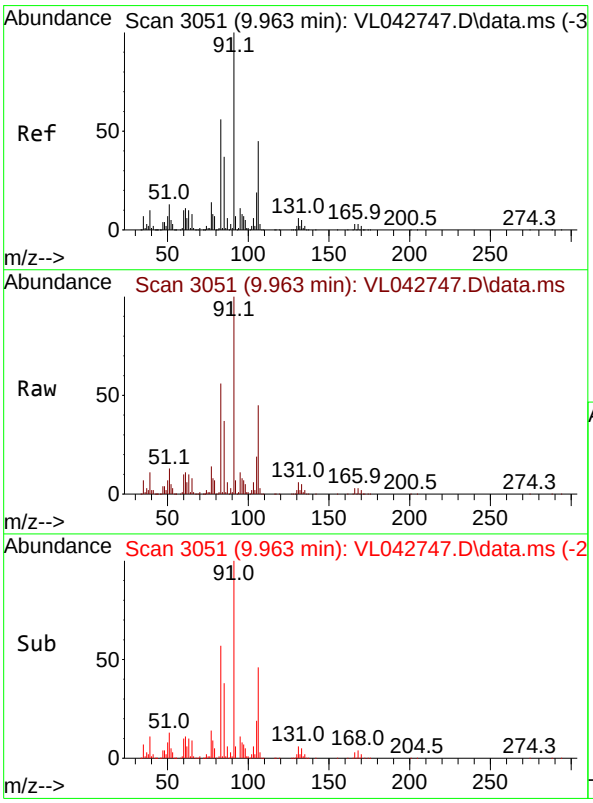
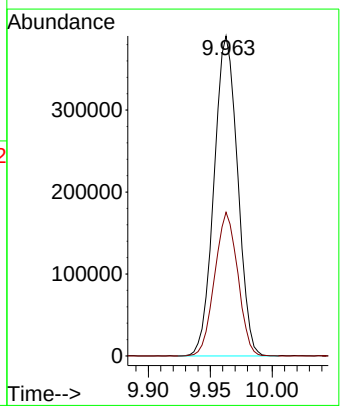
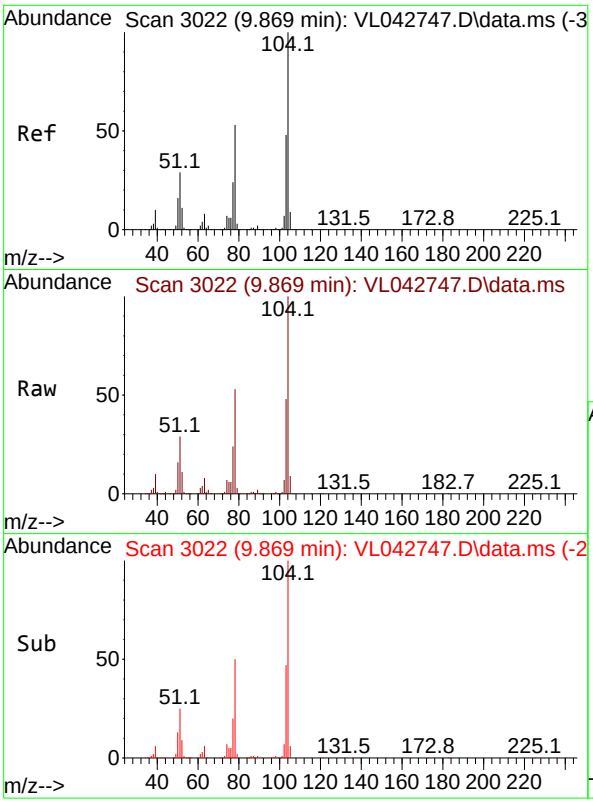


#60
o-Xylene
Concen: 9.715 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 517292

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.0	66.0

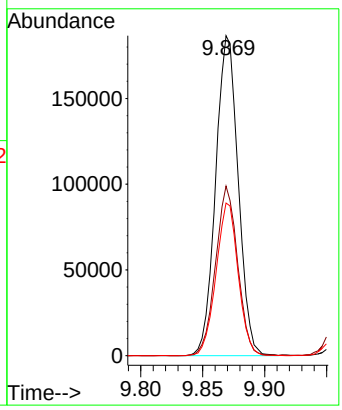




#61
Styrene
Concen: 10.568 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:104 Resp: 23670

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.9	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
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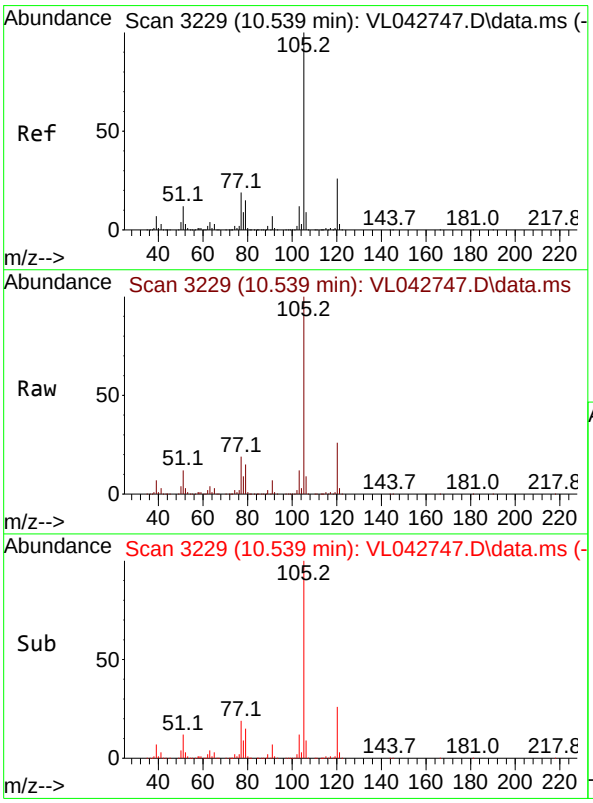
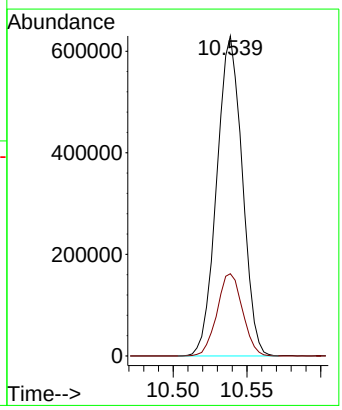
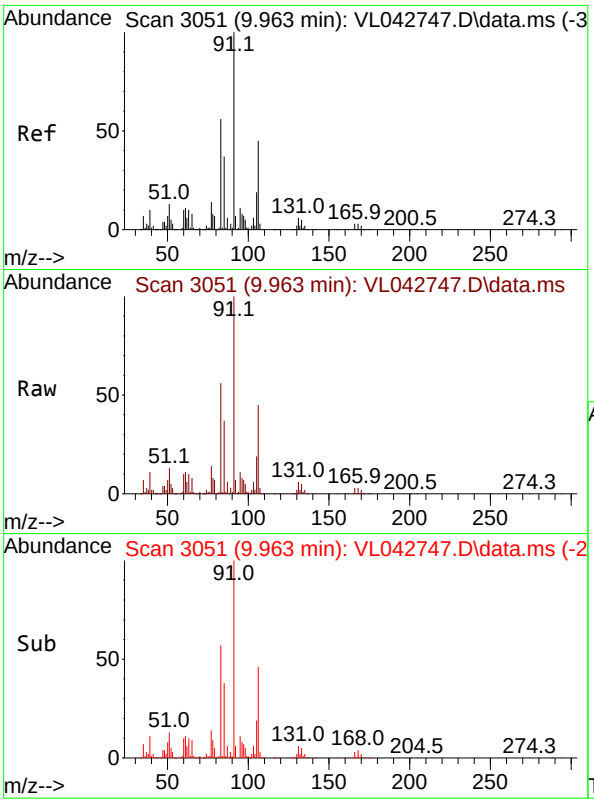


#62
Isopropylbenzene
Concen: 9.641 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 757219

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7

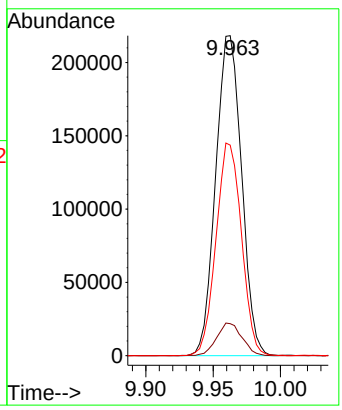




#63
1,1,2,2-Tetrachloroethane
Concen: 8.434 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 29256

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
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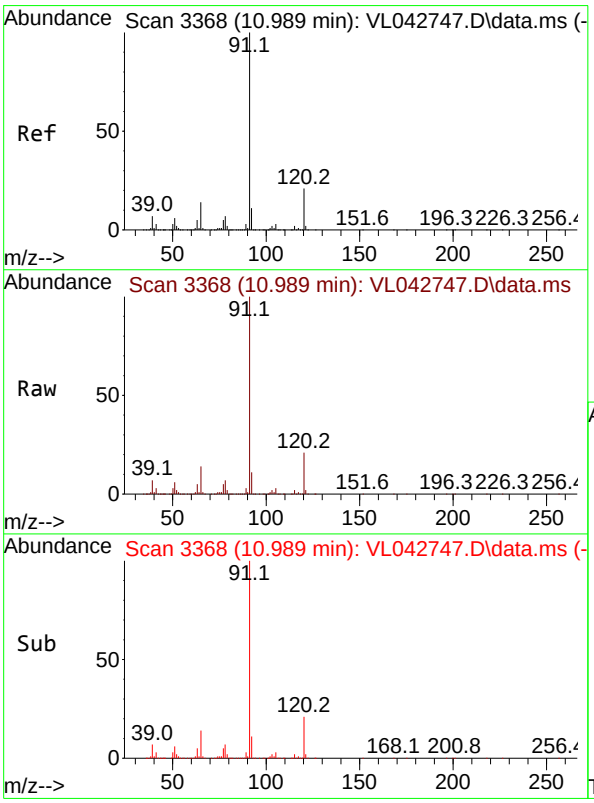
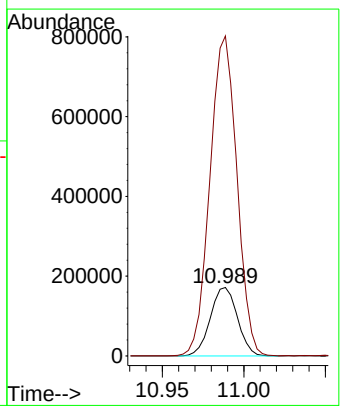
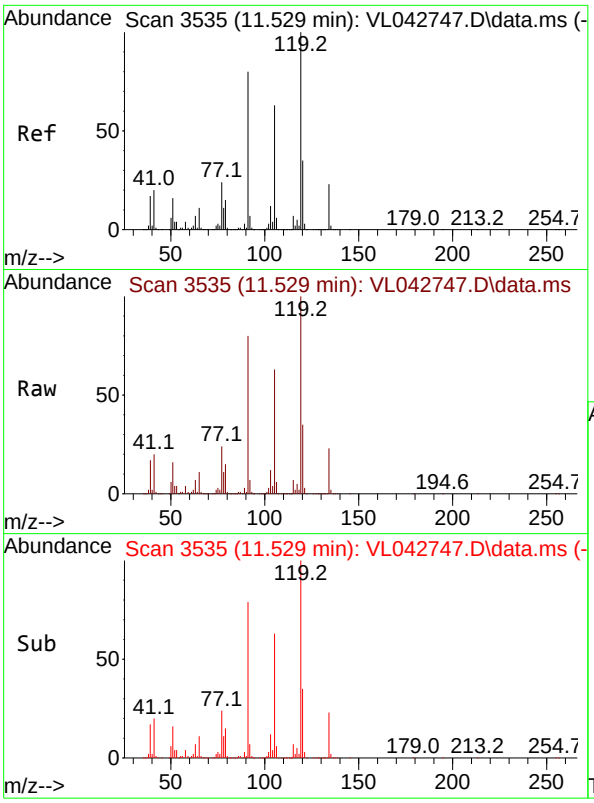


#64
n-propylbenzene
Concen: 9.675 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:120 Resp: 198109

Ion	Ratio	Lower	Upper
120	100		
91	465.9	372.7	559.1

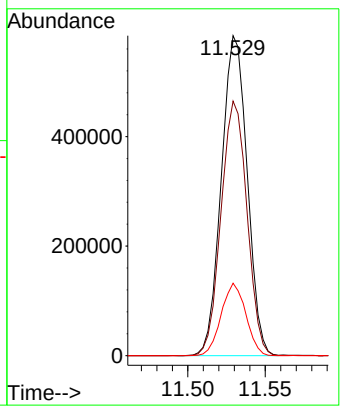




#65
tert-Butylbenzene
Concen: 9.721 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:119 Resp: 67817

Ion	Ratio	Lower	Upper
119	100		
91	80.0	64.0	96.0
134	21.6	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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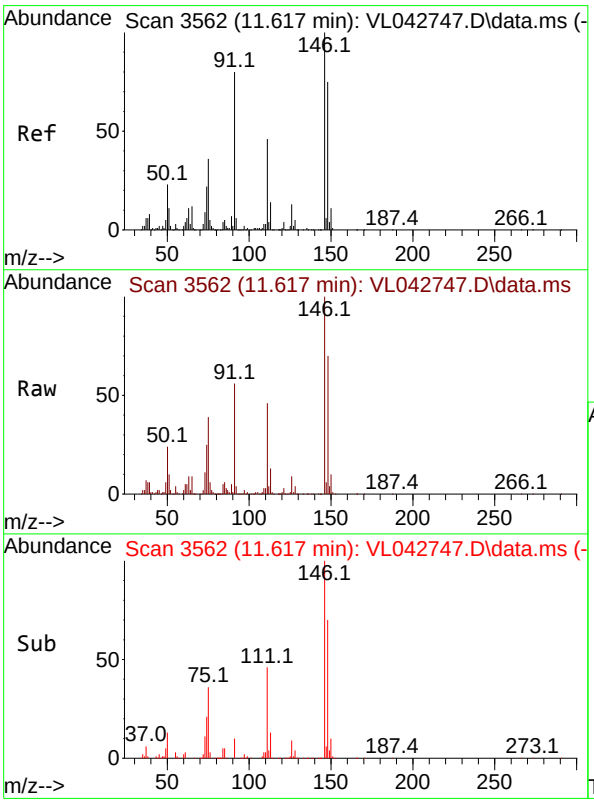
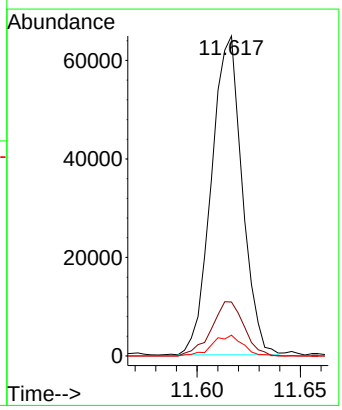
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

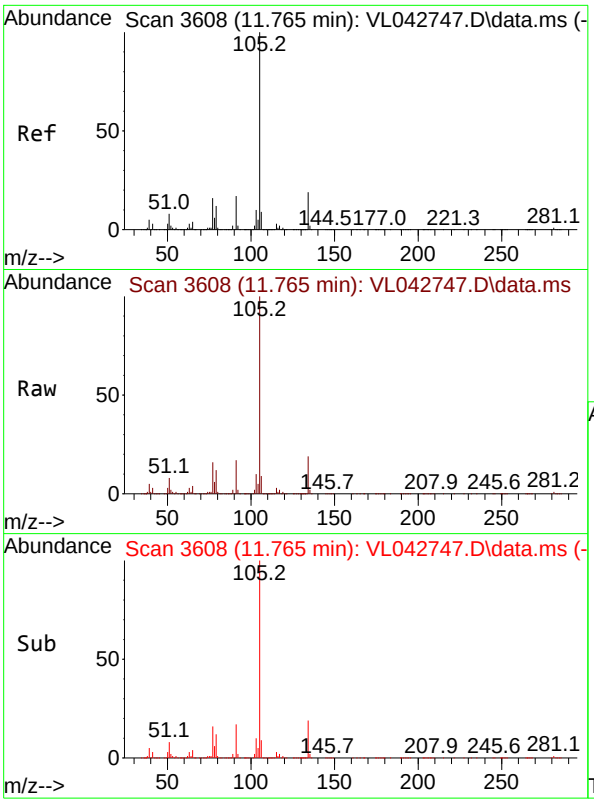


#66
Benzyl Chloride
Concen: 11.691 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 66954

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	6.5	5.2	7.8





#67
sec-Butylbenzene
Concen: 9.468 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 93939

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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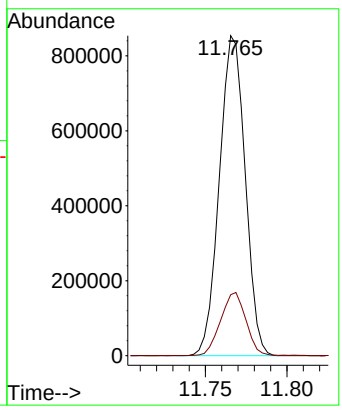
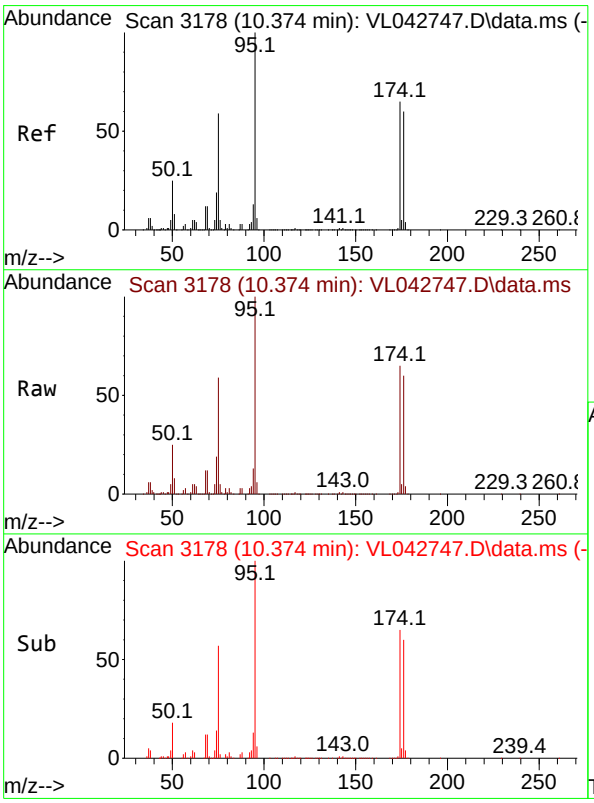
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

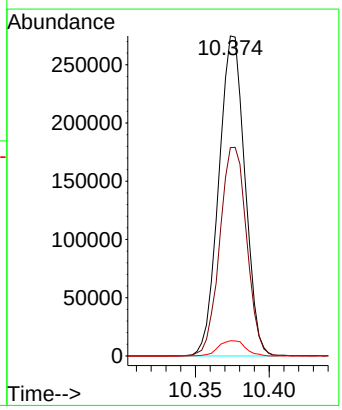


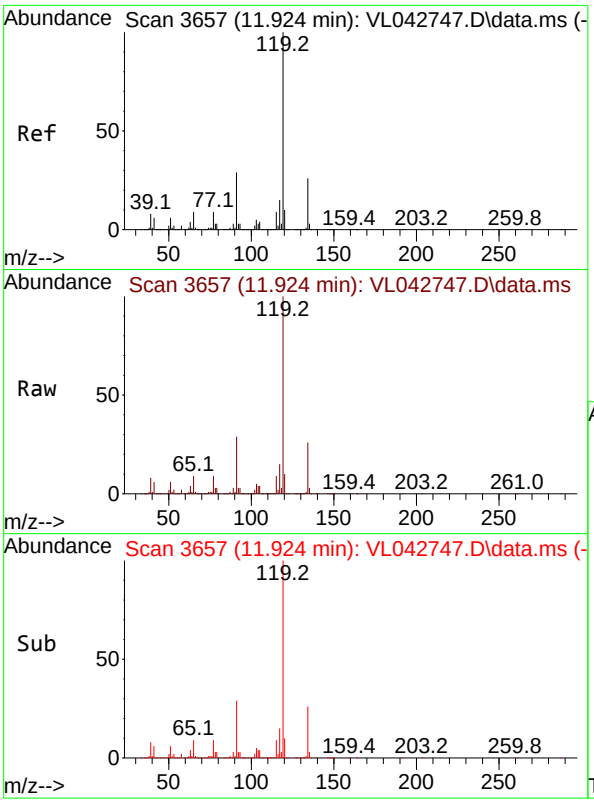


#68
1-Bromo-4-Fluorobenzene
Concen: 10.117 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 95 Resp: 338271

Ion	Ratio	Lower	Upper
95	100		
174	67.2	53.8	80.6
175	5.0	4.0	6.0

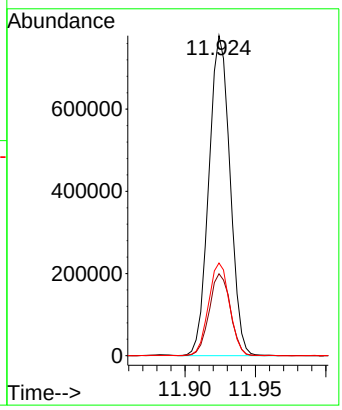




#69
p-Isopropyltoluene
Concen: 10.061 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:119 Resp: 81401

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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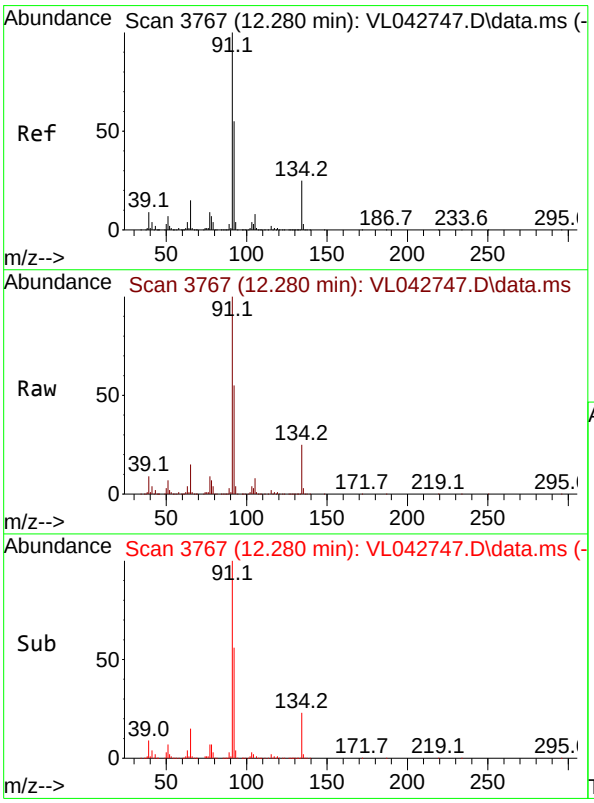
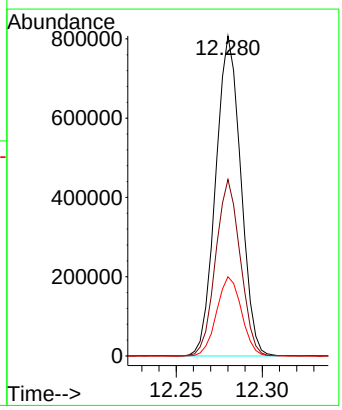
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

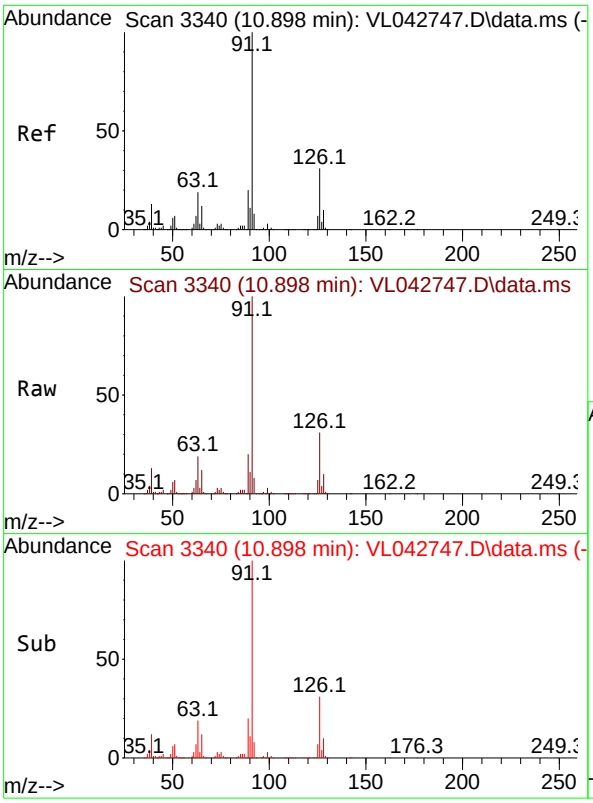


#70
n-Butylbenzene
Concen: 10.473 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 818457

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.4	65.2
134	24.5	19.6	29.4

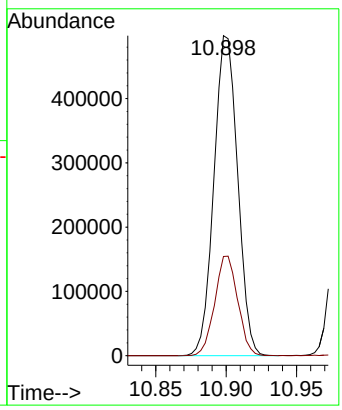




#71
2-Chlorotoluene
Concen: 9.708 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 58462

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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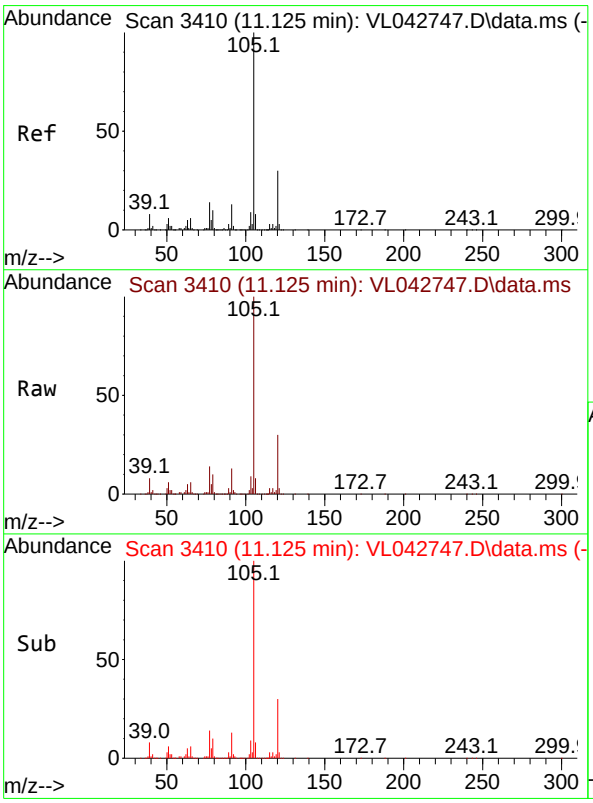
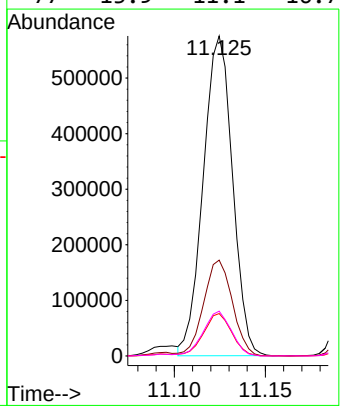
Supervised By :Mahesh Dadoda 07/24/2025

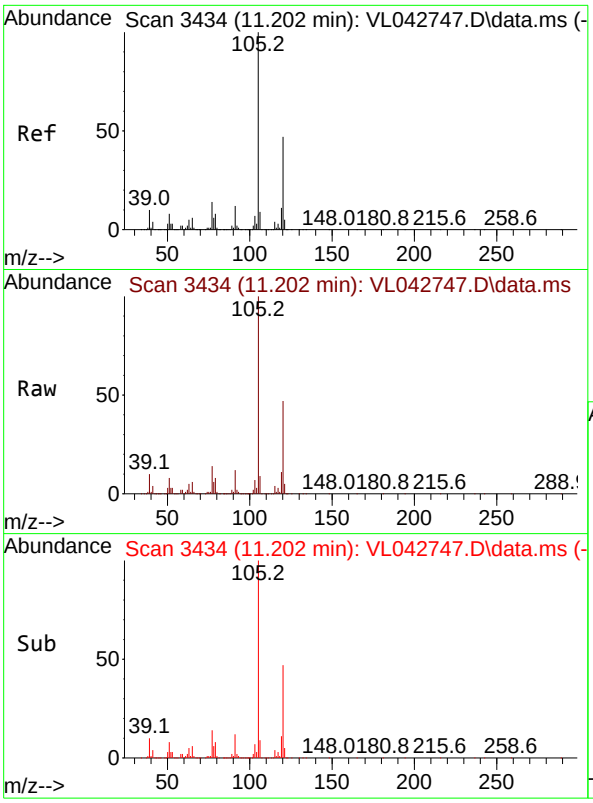


#72
4-Ethyltoluene
Concen: 10.120 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 643519

Ion	Ratio	Lower	Upper
105	100		
120	30.5	24.4	36.6
91	13.2	10.6	15.8
77	13.9	11.1	16.7

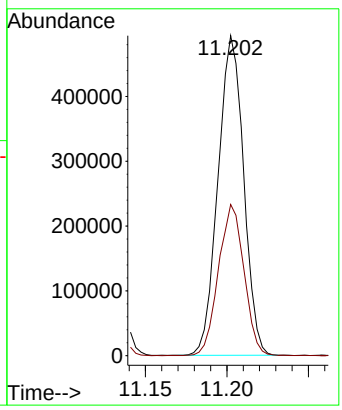




#73
1,3,5-Trimethylbenzene
Concen: 10.285 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 53845

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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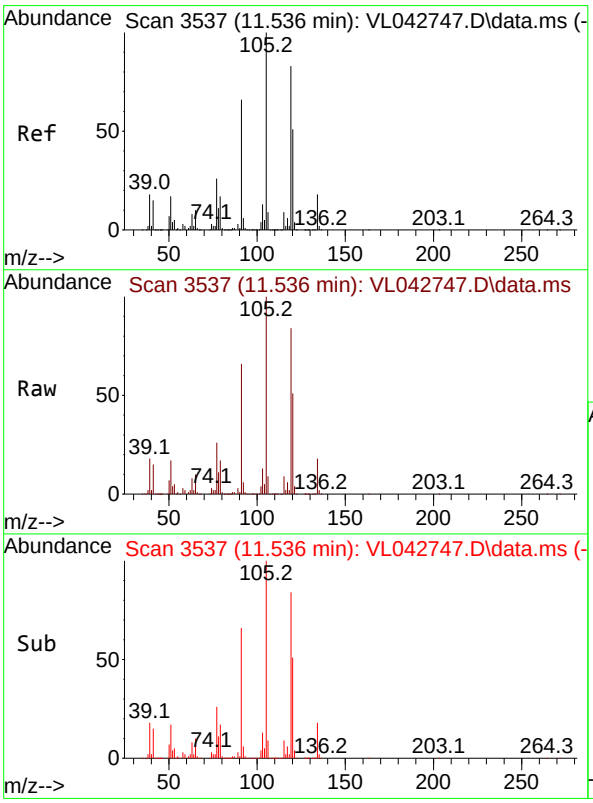
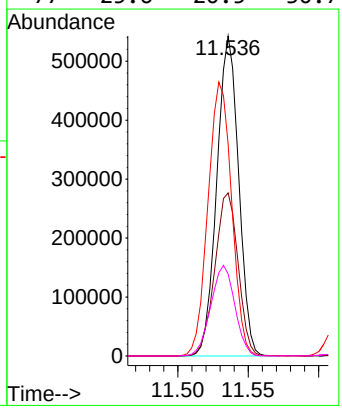
Supervised By :Mahesh Dadoda 07/24/2025

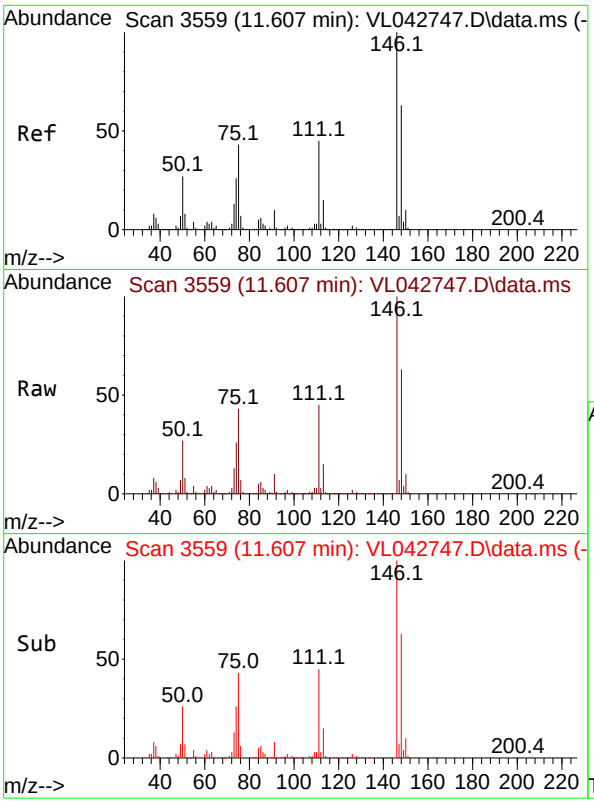


#74
1,2,4-Trimethylbenzene
Concen: 10.232 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 584447

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.8	61.2
91	66.2	53.0	79.4
77	25.6	20.5	30.7

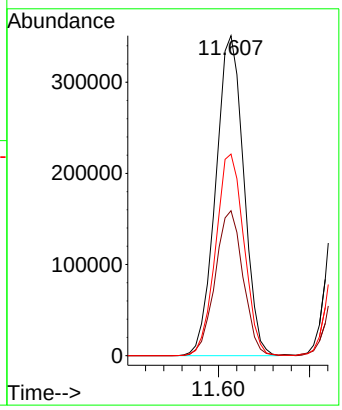




#75
1,3-Dichlorobenzene
Concen: 9.355 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 37458

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	63.7	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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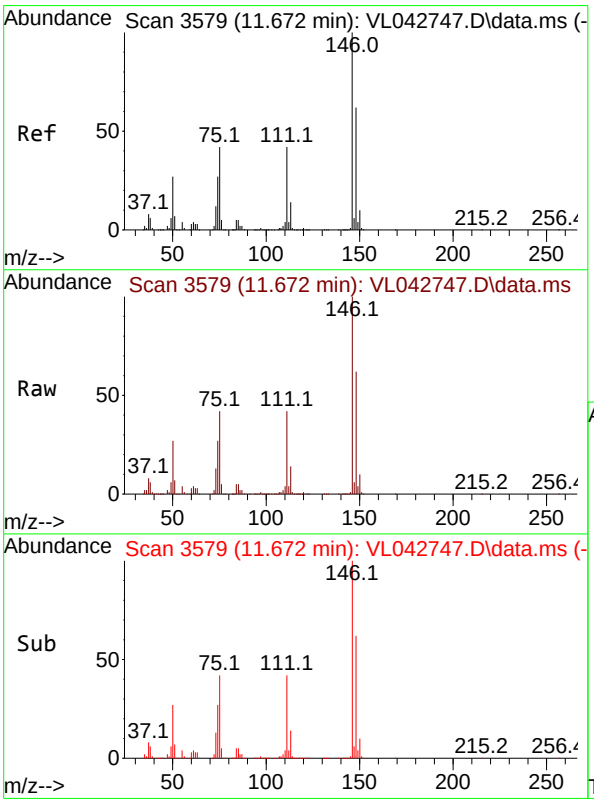
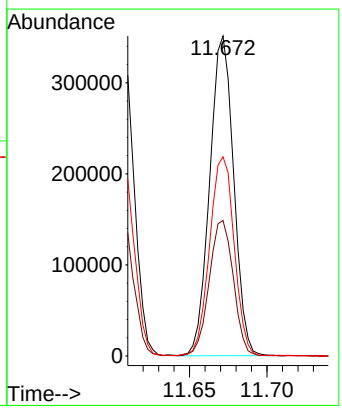
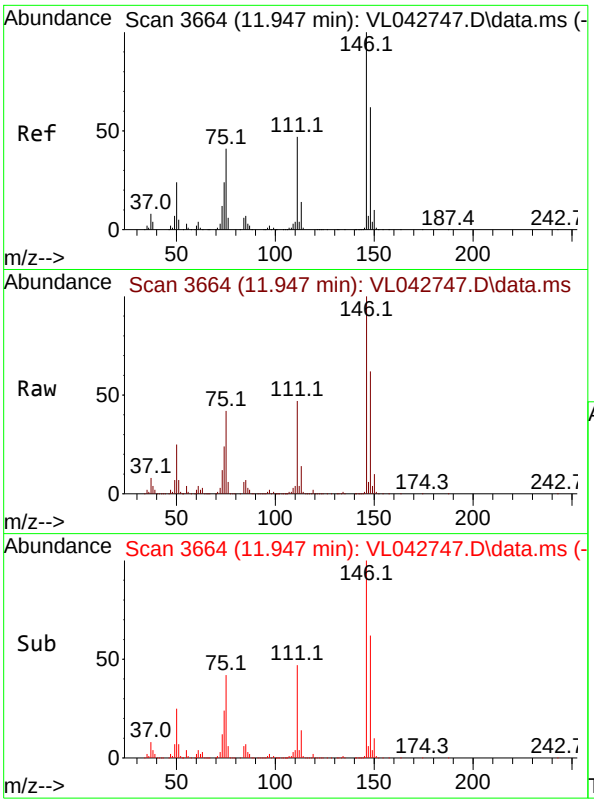


#76
1,4-Dichlorobenzene
Concen: 9.649 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 378093

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	64.2	32.1	96.3

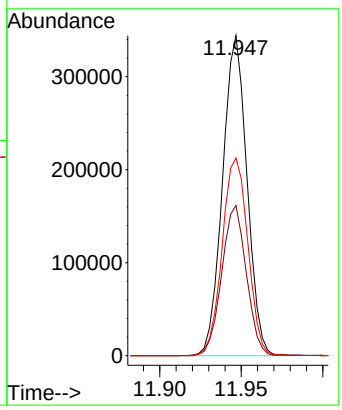




#77
1,2-Dichlorobenzene
Concen: 9.102 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 35820

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	65.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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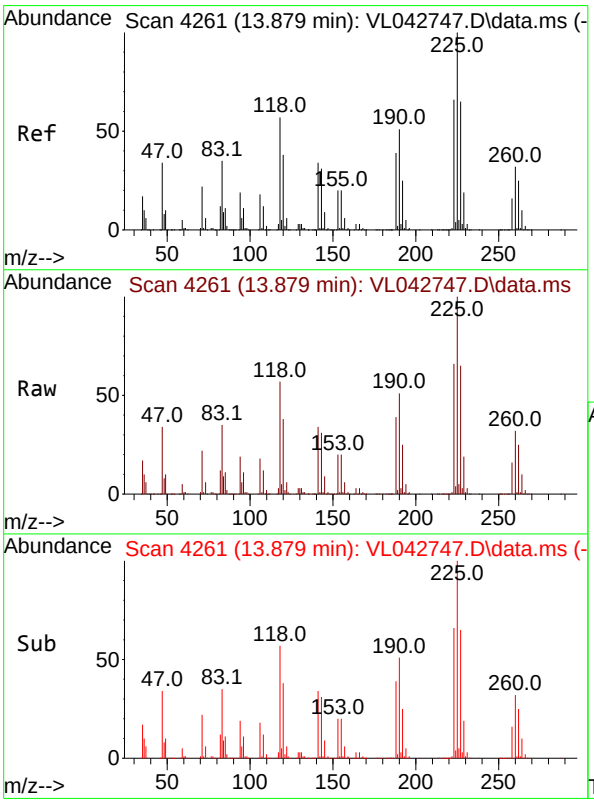
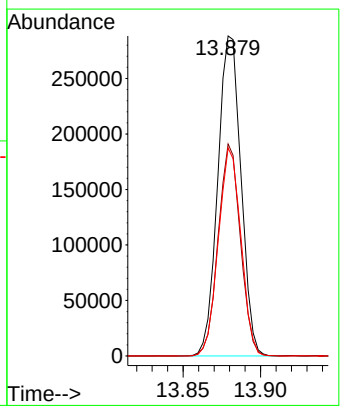
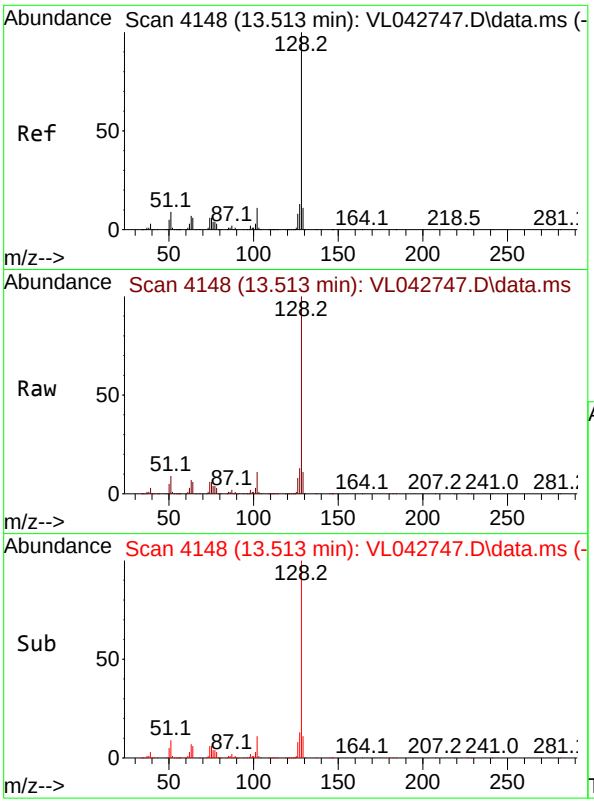


#78
Hexachloro-1,3-Butadiene
Concen: 8.444 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:225 Resp: 300801

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.1	50.5	75.7

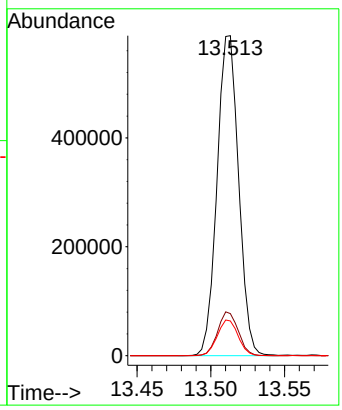




#79
Naphthalene
Concen: 9.665 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:128 Resp: 59810

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
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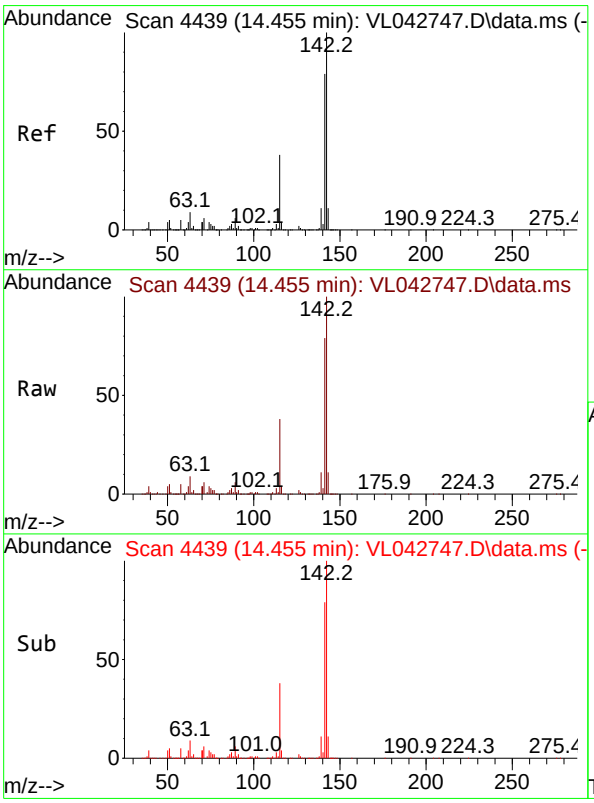
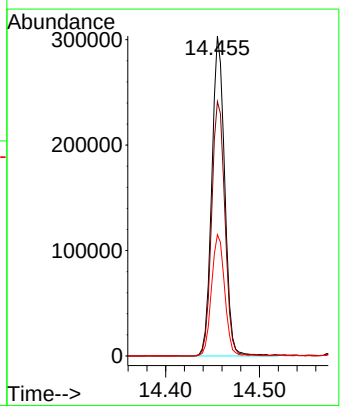
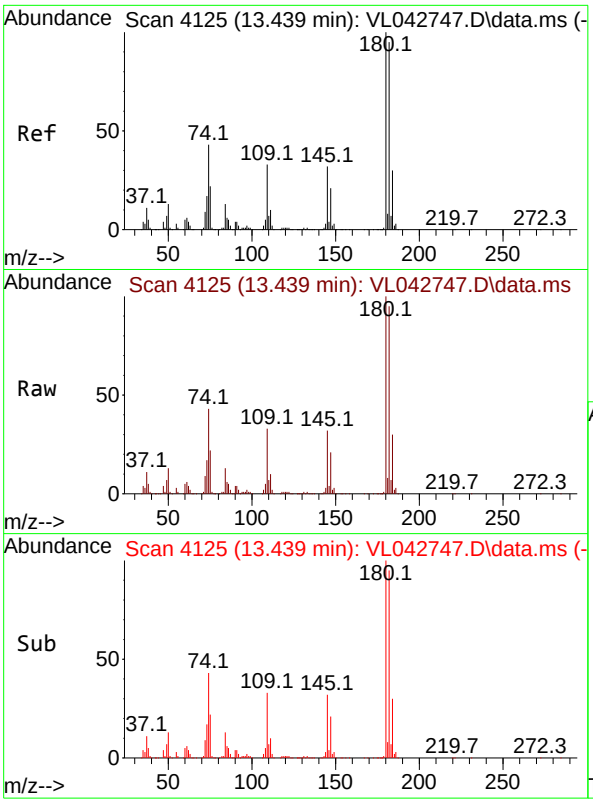


#80
Naphthalene,2-methyl-
Concen: 9.404 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:142 Resp: 289412

Ion	Ratio	Lower	Upper
142	100		
141	82.1	65.8	98.8
115	38.9	31.2	46.8

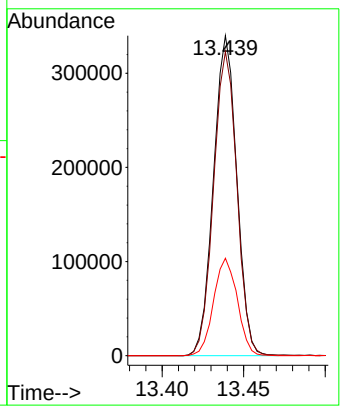




#81
1,2,4-Trichlorobenzene
Concen: 9.710 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:180 Resp: 33777

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	31.0	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.780	49	158575	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	457804	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410740	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	330476	10.160	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	43675	2.083	ppbv		98
3) Chlorodifluoromethane	1.473	51	56214	2.058	ppbv		99
4) Chloromethane	1.531	50	16834	1.985	ppbv		100
5) Vinyl Chloride	1.576	62	15384	1.836	ppbv		92
6) Bromomethane	1.664	94	5754	1.776	ppbv		83
7) Chloroethane	1.703	64	6001	1.853	ppbv		93
8) Dichlorotetrafluoroethane	1.554	85	35629	2.066	ppbv		100
9) Propene	1.483	41	21592	2.175	ppbv		97
10) Heptane	4.965	43	56442m	2.114	ppbv		
11) Trichlorofluoromethane	1.874	101	44770	2.072	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.136	101	33910	2.065	ppbv		99
13) Ethanol	1.719	45	2321	2.155	ppbv		78
14) Bromoethene	1.780	108	12078	2.077	ppbv	#	96
15) Acetone	1.832	43	48226	2.202	ppbv		100
16) 1,3-Butadiene	1.606	39	18504	1.981	ppbv		96
17) tert-Butyl alcohol	2.036	59	40135	2.032	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	14381	1.938	ppbv		93
19) Isopropyl Alcohol	1.884	45	23028	1.979	ppbv	#	75
20) Methylene Chloride	2.059	84	13296	1.927	ppbv		97
21) Allyl Chloride	2.091	41	27789	2.059	ppbv		97
22) trans-1,2-Dichloroethene	2.337	96	16591m	2.081	ppbv		
23) Vinyl Acetate	2.457	43	53544	2.017	ppbv	#	98
24) 1,1-Dichloroethane	2.405	63	33969	2.073	ppbv		99
25) Ethyl Acetate	2.832	43	101853	2.101	ppbv		99
26) Hexane	2.822	57	45446	2.137	ppbv		99
27) Carbon Disulfide	2.146	76	36945	2.030	ppbv	#	36
28) Methyl tert-Butyl Ether	2.437	73	20603	2.051	ppbv		96
29) Chloroform	2.842	83	67755	2.062	ppbv		97
30) Cyclohexane	3.845	84	38095m	2.113	ppbv		
31) cis-1,2-Dichloroethene	2.716	61	44860	2.053	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	67608	1.976	ppbv		98
34) 2-Butanone	2.551	43	69674	2.149	ppbv		99
35) Carbon Tetrachloride	3.755	117	67338	1.979	ppbv		97
36) Benzene	3.648	78	91141	2.101	ppbv		94
37) 1,2-Dichloroethane	3.211	62	53482	2.046	ppbv		98
38) Trichloroethene	4.538	130	40713	1.946	ppbv		90
39) 1,2-Dichloropropane	4.305	63	33225	2.075	ppbv		94
40) 1,4-Dioxane	4.583	88	15890m	2.104	ppbv		
41) Tetrahydrofuran	3.052	42	33618	2.064	ppbv		94
42) Bromodichloromethane	4.480	83	69093	2.028	ppbv		94
43) Methyl Methacrylate	4.871	69	30336	1.967	ppbv		95
44) 2,2,4-Trimethylpentane	4.632	57	149588	2.115	ppbv		99
45) t-1,3-Dichloropropene	6.405	75	34331m	1.984	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	43845m	2.000	ppbv		
47) 1,1,2-Trichloroethane	6.567	97	35222m	2.063	ppbv		
48) Dibromochloromethane	7.380	129	54906	2.026	ppbv		96
49) Bromoform	9.477	173	47340	2.003	ppbv		96
50) 4-Methyl-2-Pentanone	5.748	43	87566m	2.120	ppbv		
51) 2-Hexanone	7.431	43	68093	2.157	ppbv	#	99
52) Tetrachloroethene	8.215	164	34568	1.917	ppbv		94
53) Toluene	6.923	91	98346	2.111	ppbv		100
54) 1,2-Dibromoethane	7.645	107	49346	2.042	ppbv		91
56) 1,1,1,2-Tetrachloroethane	8.920	131	44409	2.079	ppbv		92
57) Chlorobenzene	8.914	112	83503	2.101	ppbv	#	92
58) Ethyl Benzene	9.348	91	143251	2.208	ppbv		97
59) m/p-Xylene	9.545	91	222465m	4.290	ppbv		
60) o-Xylene	9.956	91	113462	2.190	ppbv		99
61) Styrene	9.865	104	45351	2.081	ppbv		100
62) Isopropylbenzene	10.535	105	167108	2.187	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.959	83	65928	1.954	ppbv		100
64) n-propylbenzene	10.982	120	43789	2.198	ppbv		98
65) tert-Butylbenzene	11.526	119	151081	2.226	ppbv		98
66) Benzyl Chloride	11.610	91	10485	1.882	ppbv		98
67) sec-Butylbenzene	11.762	105	212925	2.206	ppbv		99
69) p-Isopropyltoluene	11.921	119	175553	2.230	ppbv		99
70) n-Butylbenzene	12.277	91	171675	2.258	ppbv		99
71) 2-Chlorotoluene	10.898	91	125039	2.134	ppbv		98
72) 4-Ethyltoluene	11.121	105	134097	2.168	ppbv		98
73) 1,3,5-Trimethylbenzene	11.199	105	108055	2.122	ppbv		97
74) 1,2,4-Trimethylbenzene	11.532	105	122295	2.201	ppbv		95
75) 1,3-Dichlorobenzene	11.600	146	85254	2.188	ppbv		99
76) 1,4-Dichlorobenzene	11.665	146	83440	2.189	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	82311	2.150	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	78291	2.259	ppbv		99
79) Naphthalene	13.510	128	79191	1.690	ppbv		98
80) Naphthalene,2-methyl-	14.455	142	5851	1.298	ppbv		90
81) 1,2,4-Trichlorobenzene	13.435	180	51515	1.888	ppbv		99

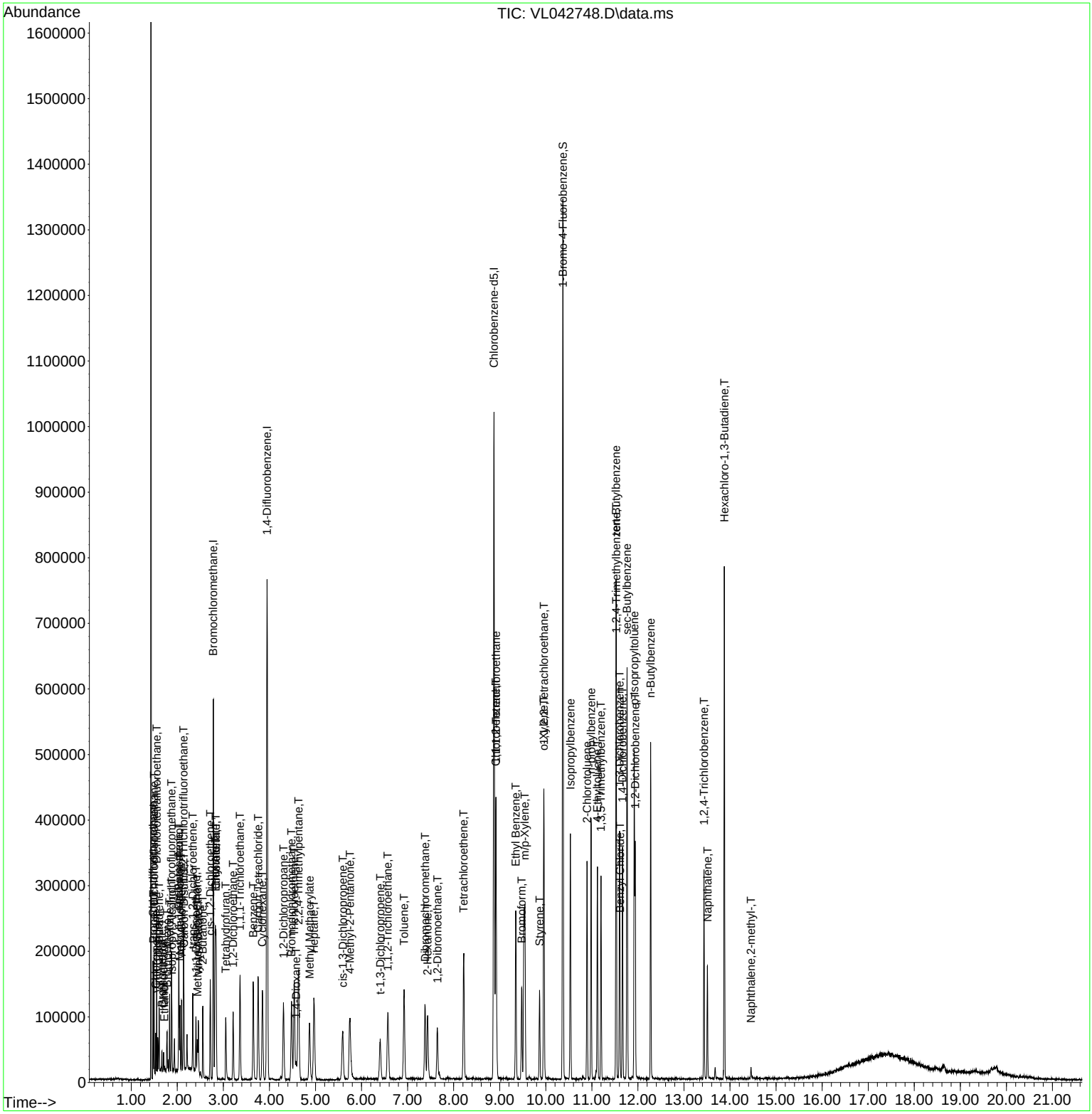
(#) = qualifier out of range (m) = manual integration (+) = signals summed

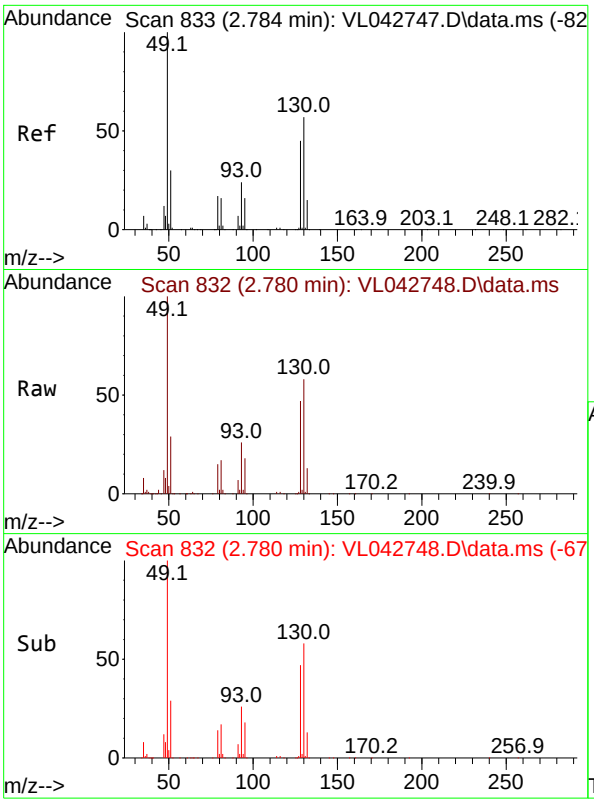
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

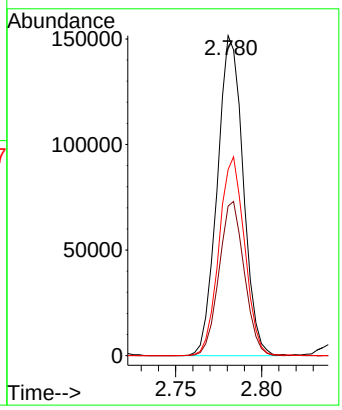




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 49 Resp: 15857

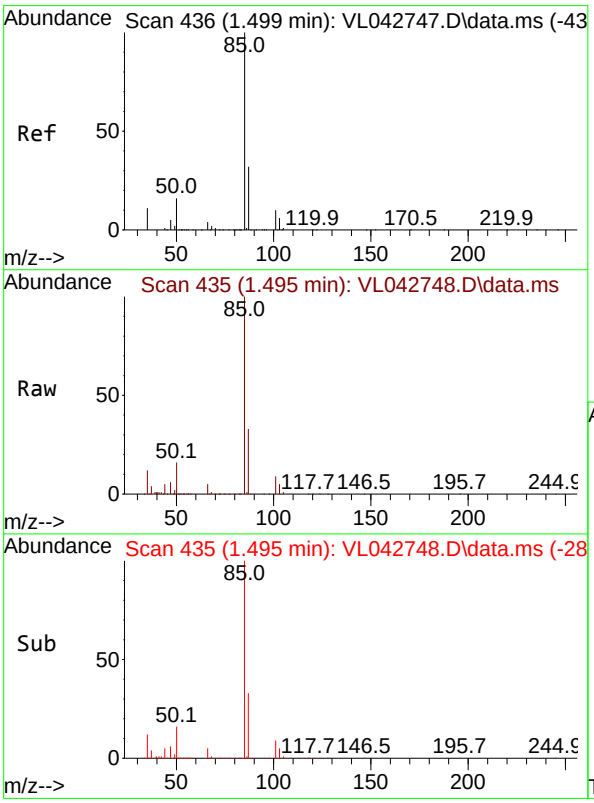
Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.6	71.0
130	61.6	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

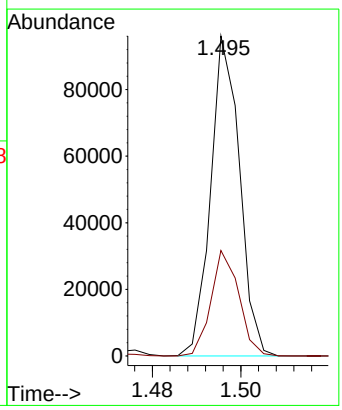
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

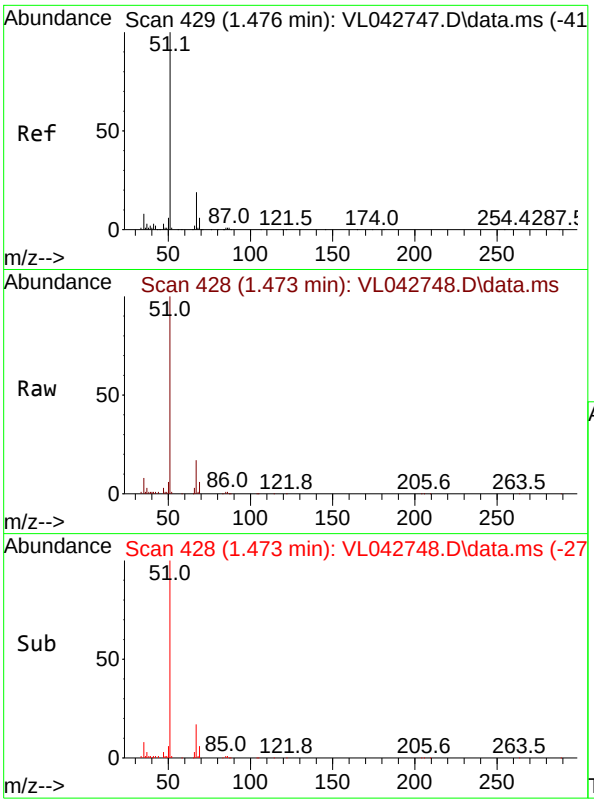


#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 43675

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2

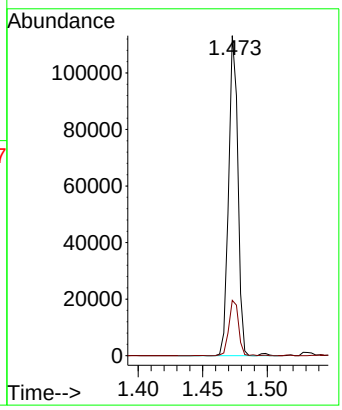




#3
Chlorodifluoromethane
Concen: 2.058 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 51 Resp: 5621

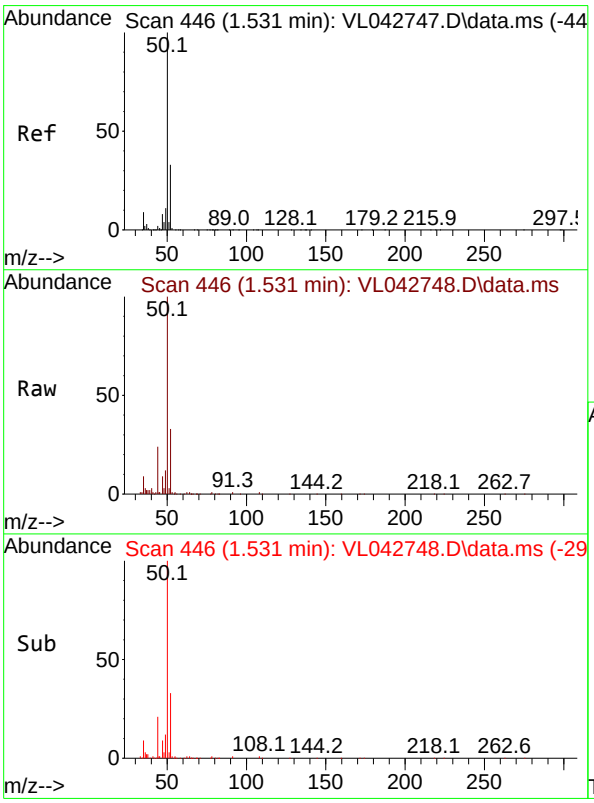
Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

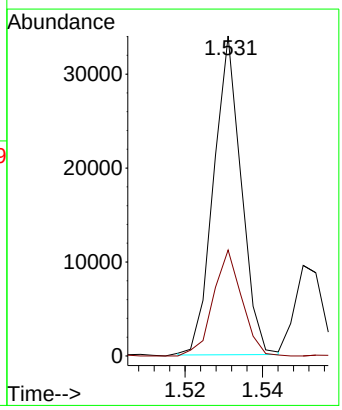
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

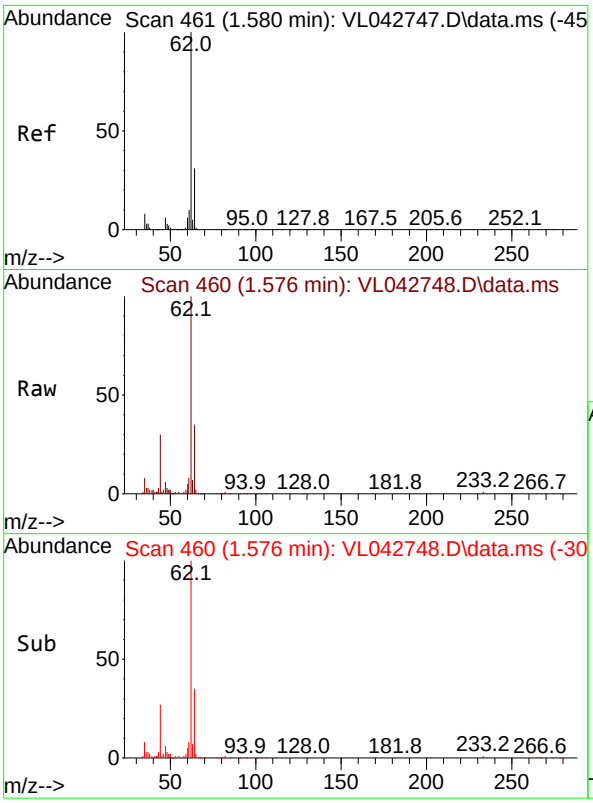


#4
Chloromethane
Concen: 1.985 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 50 Resp: 16834

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.6	40.0

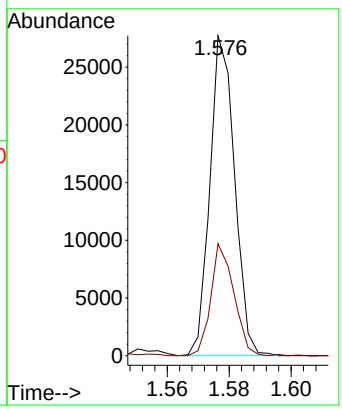




#5
Vinyl Chloride
Concen: 1.836 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 62 Resp: 1538

Ion	Ratio	Lower	Upper
62	100		
64	35.0	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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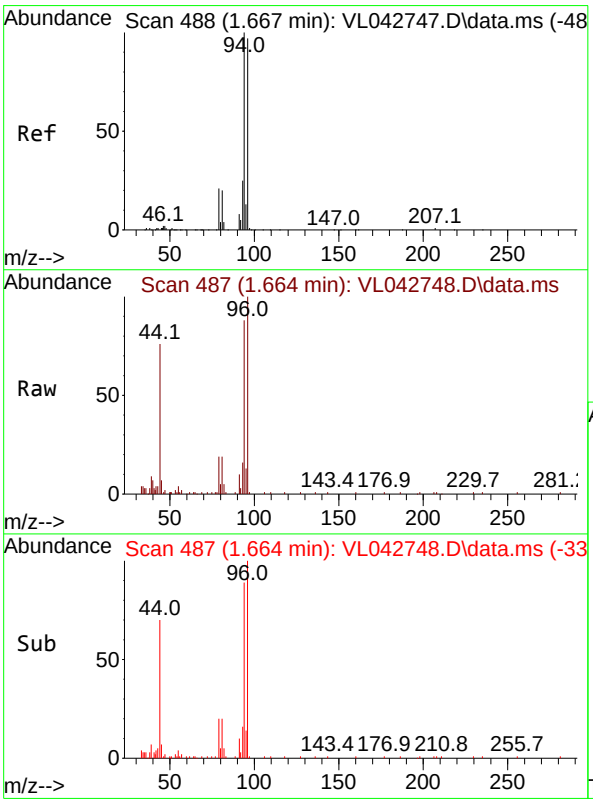
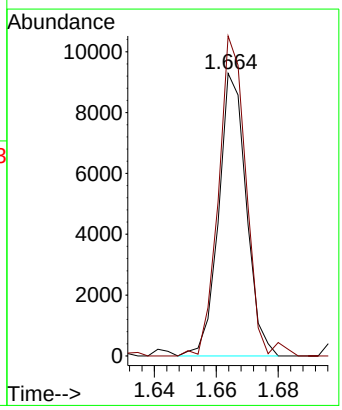
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

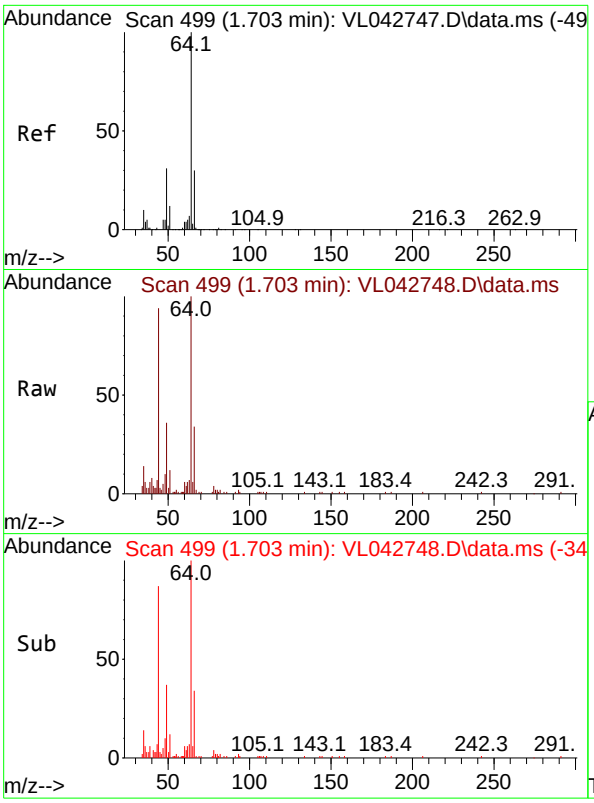


#6
Bromomethane
Concen: 1.776 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 94 Resp: 5754

Ion	Ratio	Lower	Upper
94	100		
96	113.3	77.6	116.4

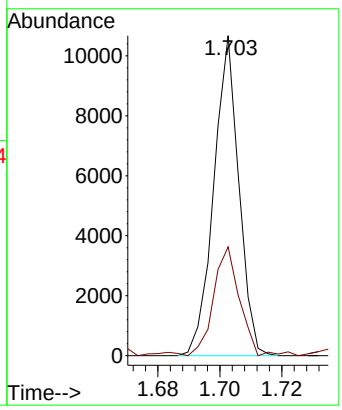




#7
Chloroethane
Concen: 1.853 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 64 Resp: 600

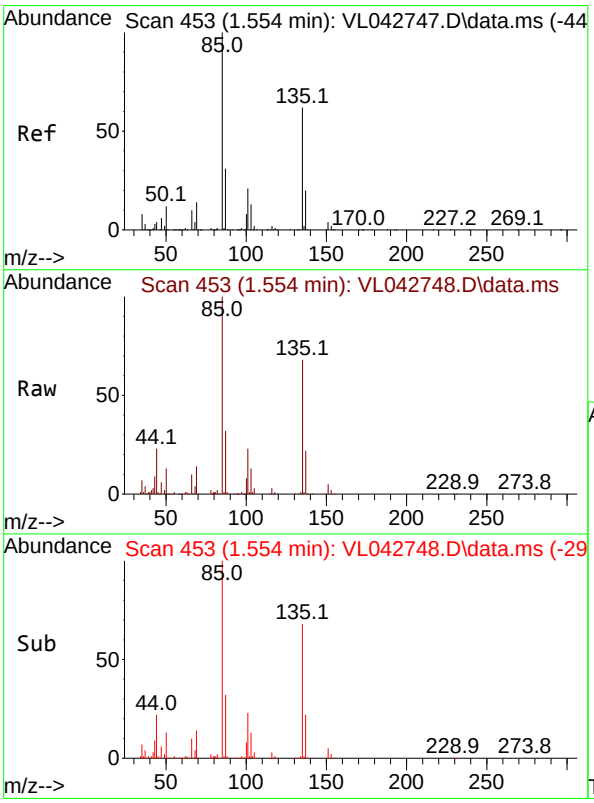
Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

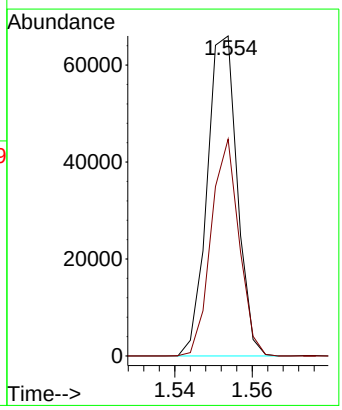
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

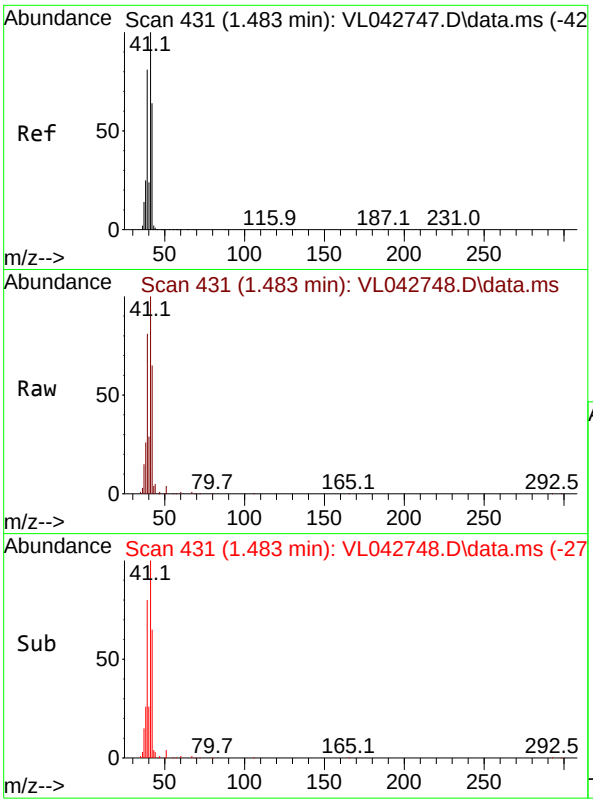


#8
Dichlorotetrafluoroethane
Concen: 2.066 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 35629

Ion	Ratio	Lower	Upper
85	100		
135	63.0	50.6	76.0

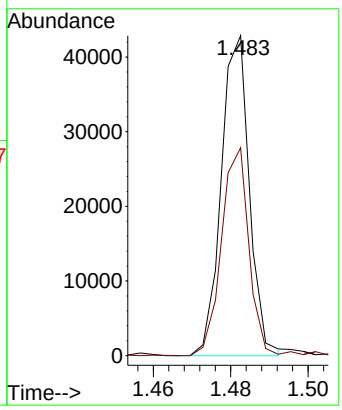




#9
Propene
Concen: 2.175 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 41 Resp: 2159

Ion	Ratio	Lower	Upper
41	100		
42	64.5	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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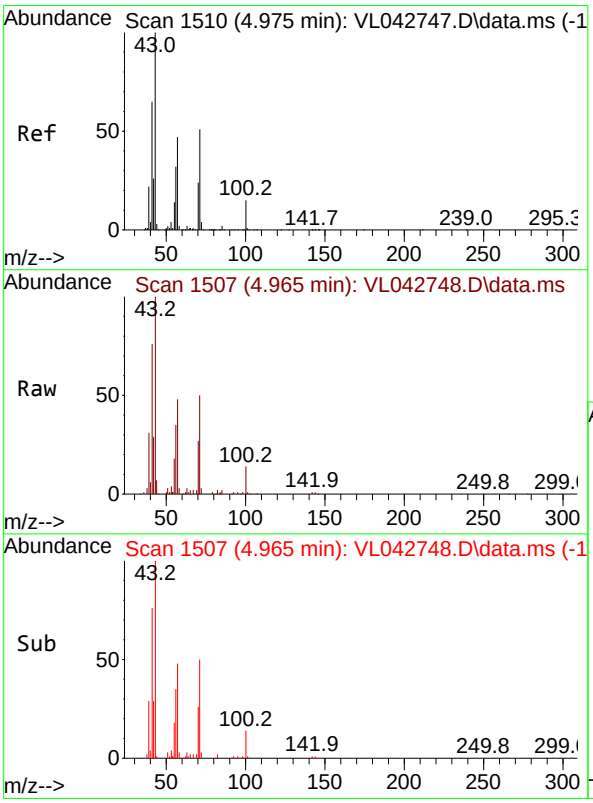
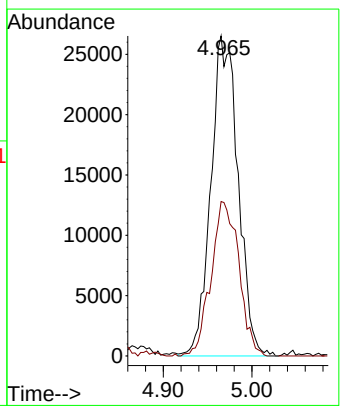
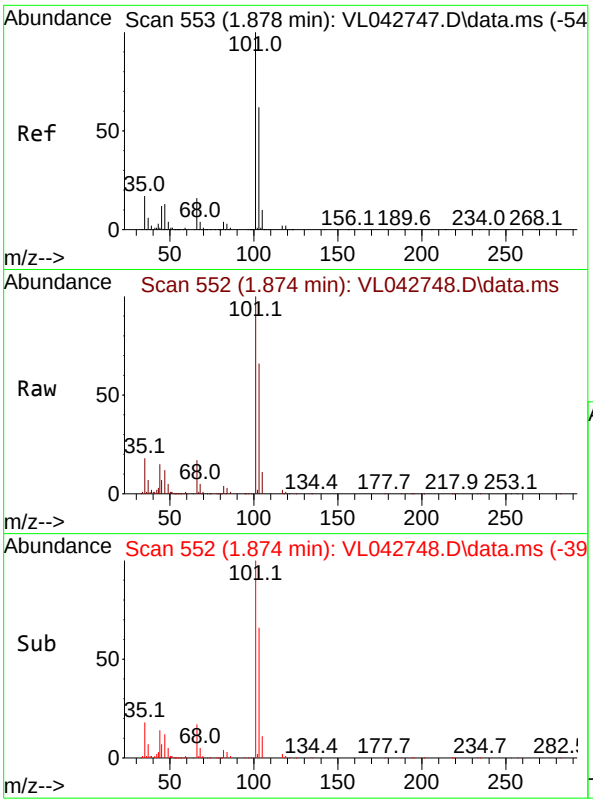


#10
Heptane
Concen: 2.114 ppbv m
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 56442

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.9	59.9

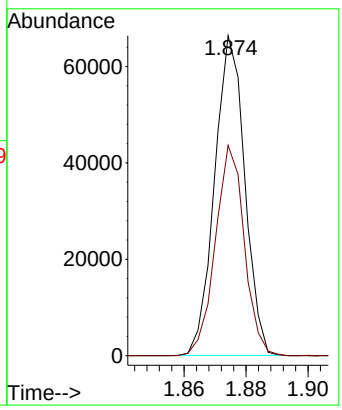




#11
Trichlorofluoromethane
Concen: 2.072 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 4477

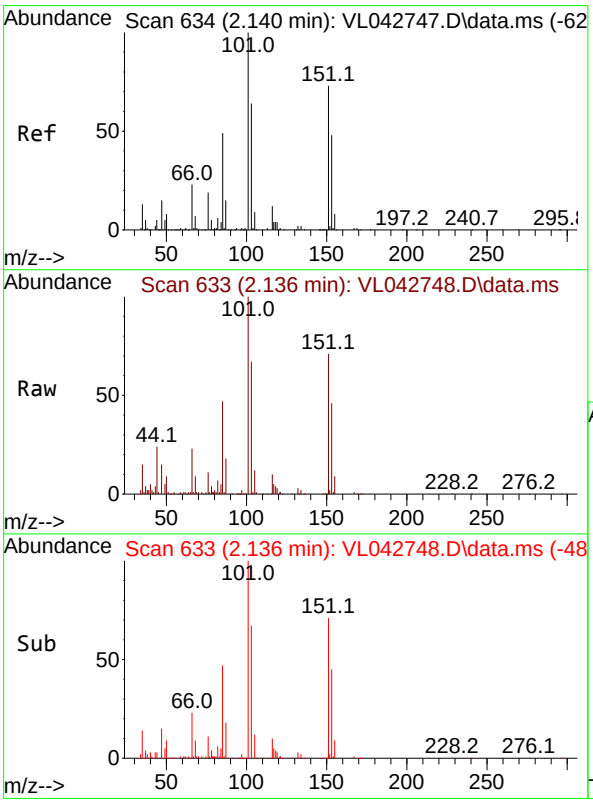
Ion	Ratio	Lower	Upper
101	100		
103	65.8	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

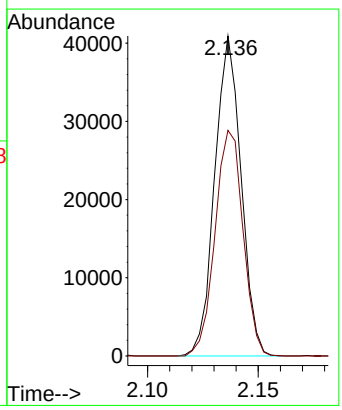
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

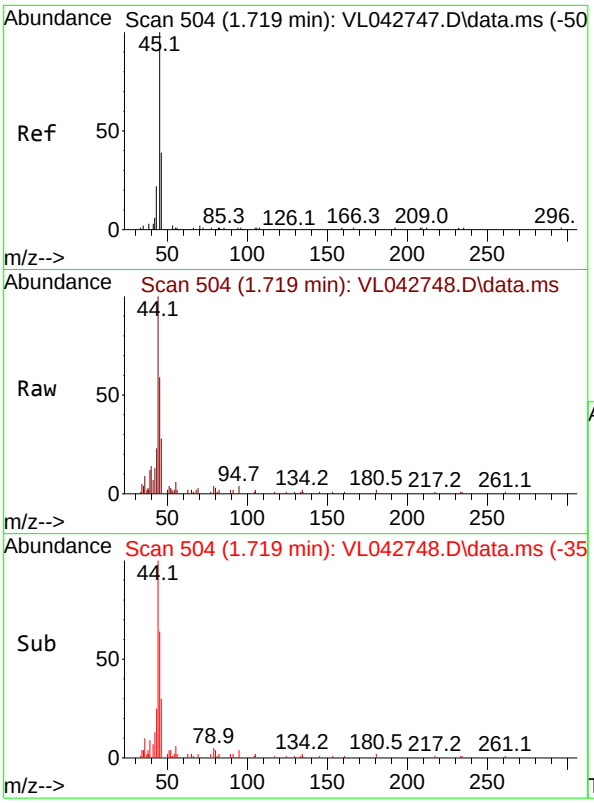


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.065 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 33910

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7

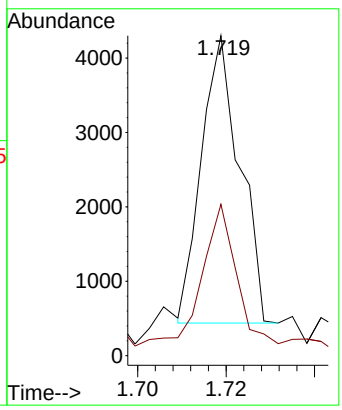




#13
Ethanol
Concen: 2.155 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 45 Resp: 232

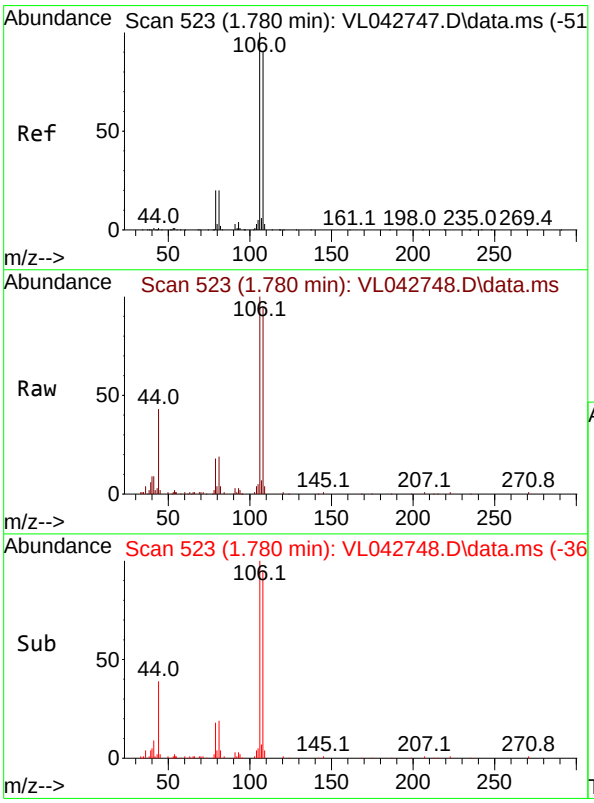
Ion	Ratio	Lower	Upper
45	100		
46	58.7	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

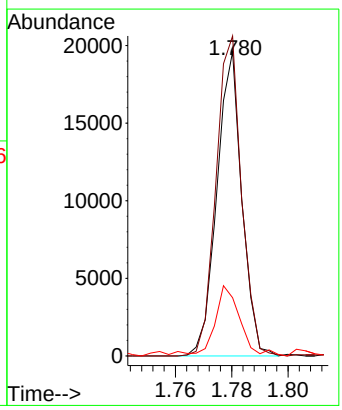
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

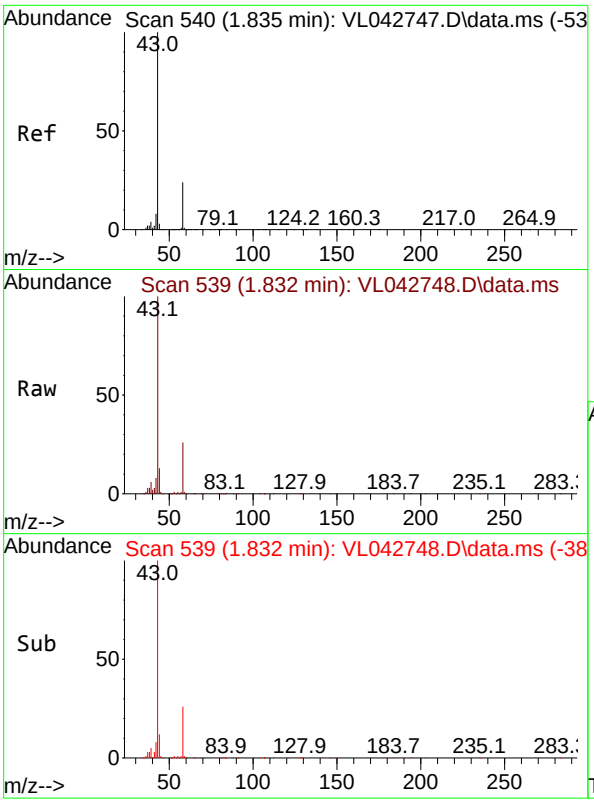


#14
Bromoethene
Concen: 2.077 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:108 Resp: 12078

Ion	Ratio	Lower	Upper
108	100		
106	107.6	84.7	127.1
79	29.2	17.4	26.2#

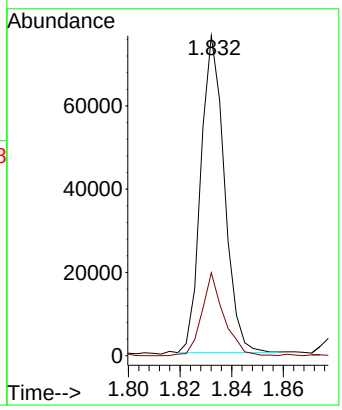




#15
Acetone
Concen: 2.202 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 4822

Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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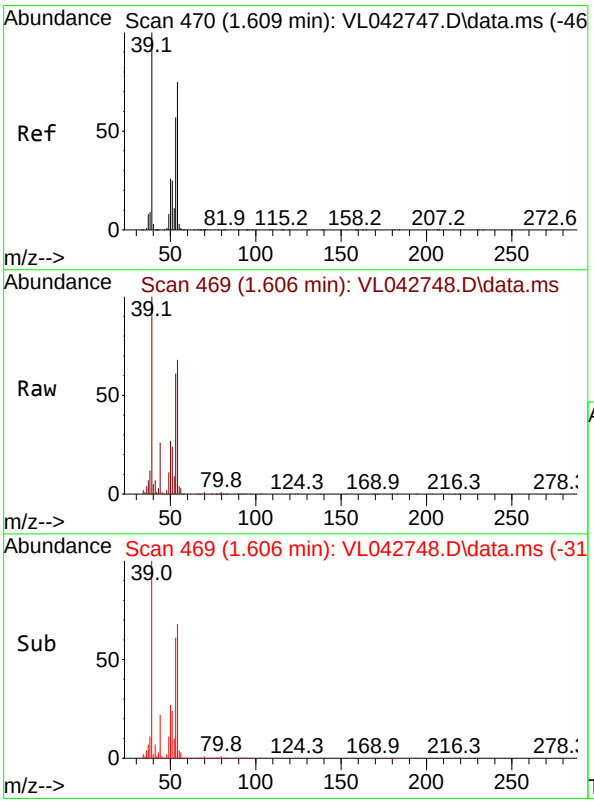
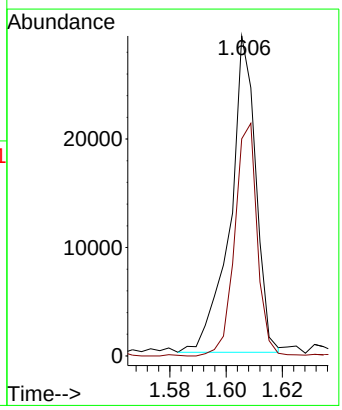
Supervised By :Mahesh Dadoda 07/24/2025

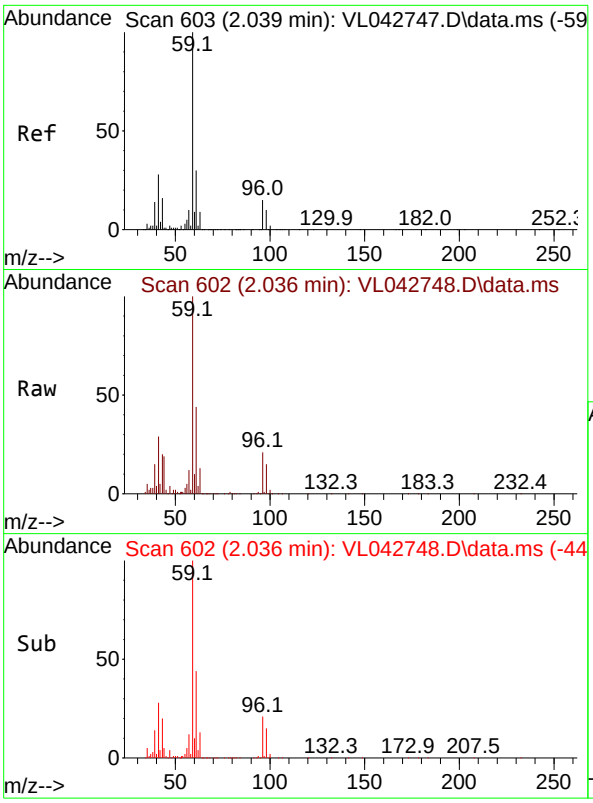


#16
1,3-Butadiene
Concen: 1.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 39 Resp: 18504

Ion	Ratio	Lower	Upper
39	100		
54	65.0	54.5	81.7

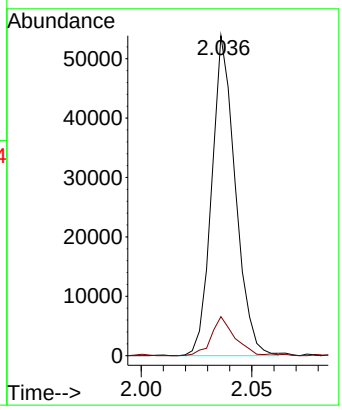




#17
tert-Butyl alcohol
Concen: 2.032 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 59 Resp: 4013

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#



Instrument :
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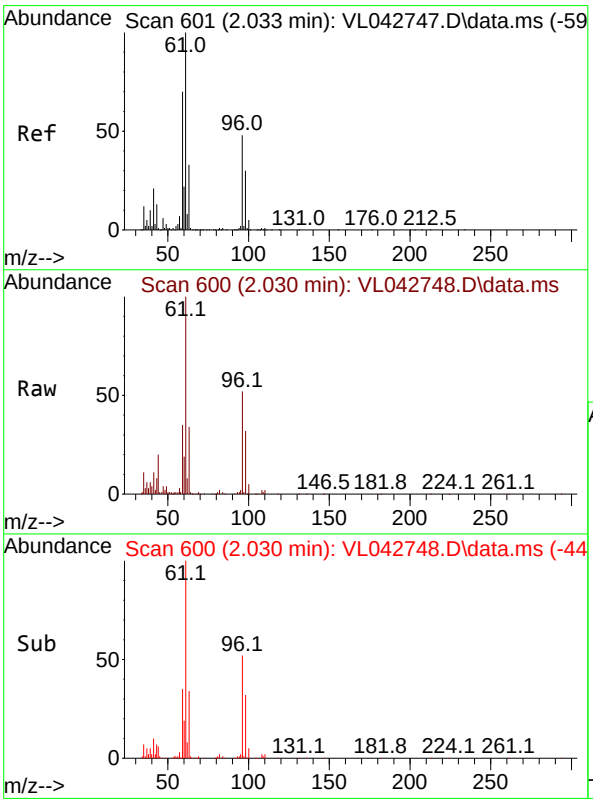
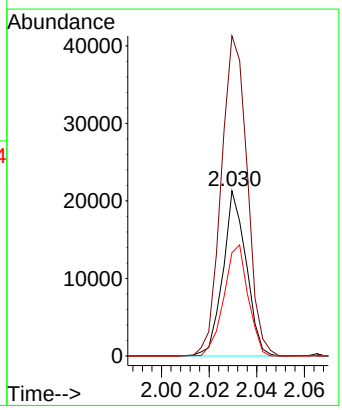
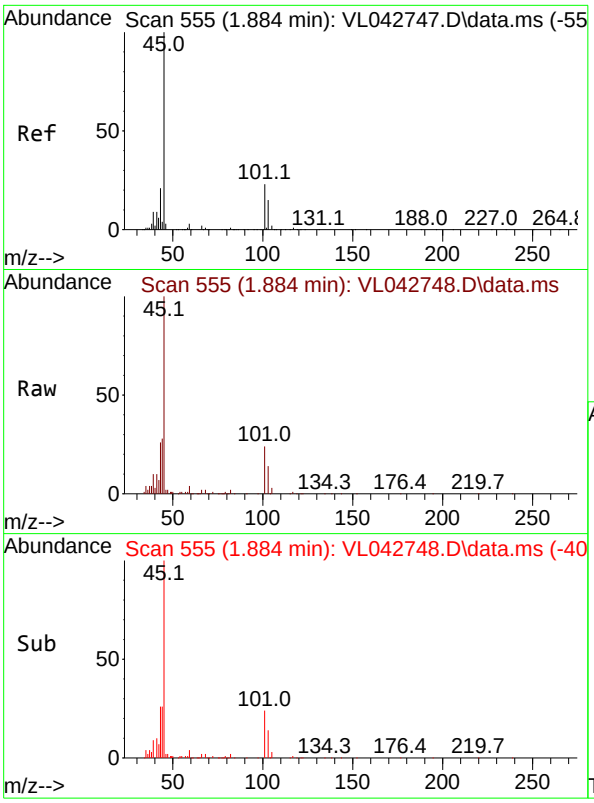


#18
1,1-Dichloroethene
Concen: 1.938 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381

Ion	Ratio	Lower	Upper
96	100		
61	193.9	165.8	248.6
98	62.7	49.9	74.9

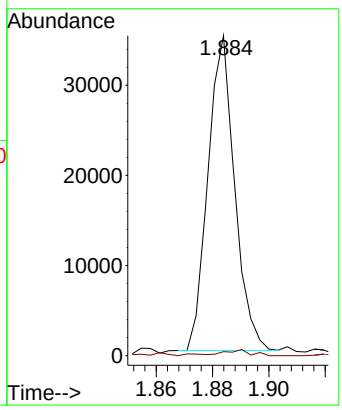




#19
Isopropyl Alcohol
Concen: 1.979 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 45 Resp: 2302

Ion	Ratio	Lower	Upper
45	100		
58	52.5	30.0	45.0



Instrument :
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ClientSampleId :
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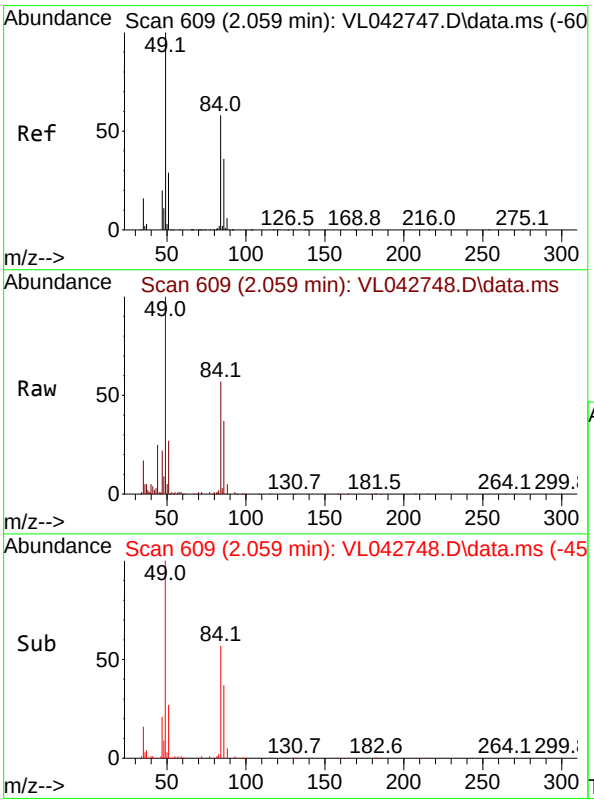
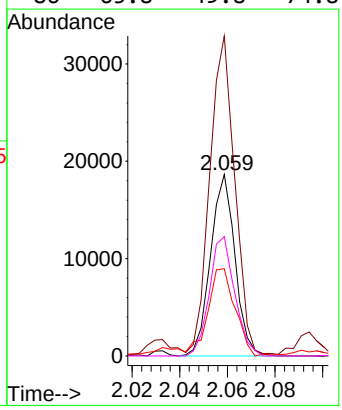
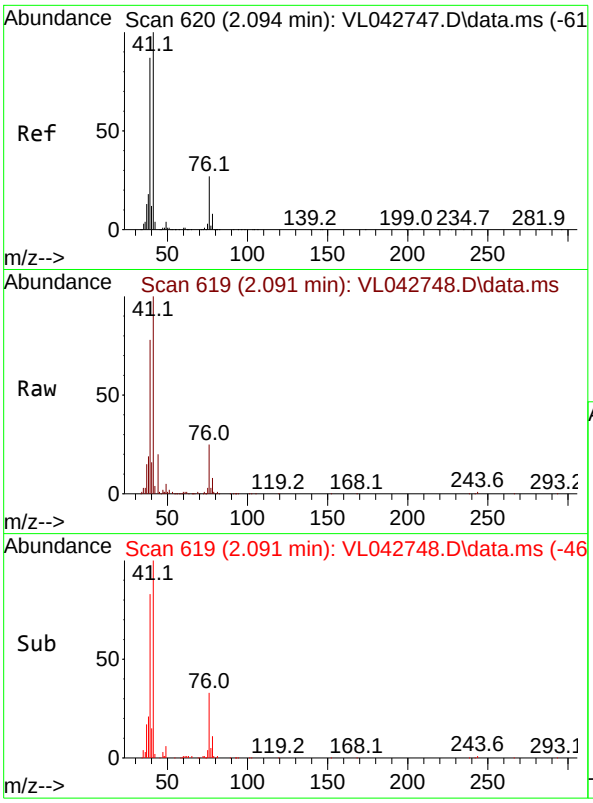


#20
Methylene Chloride
Concen: 1.927 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 13296

Ion	Ratio	Lower	Upper
84	100		
49	175.4	138.6	208.0
51	47.4	40.6	61.0
86	65.8	49.8	74.8

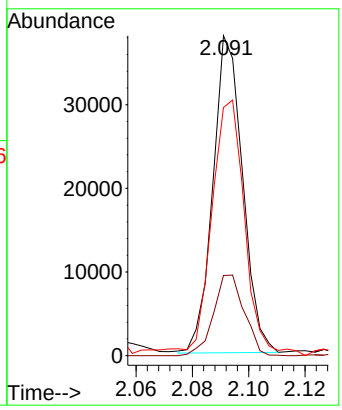




#21
Allyl Chloride
Concen: 2.059 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 41 Resp: 2778

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	89.5	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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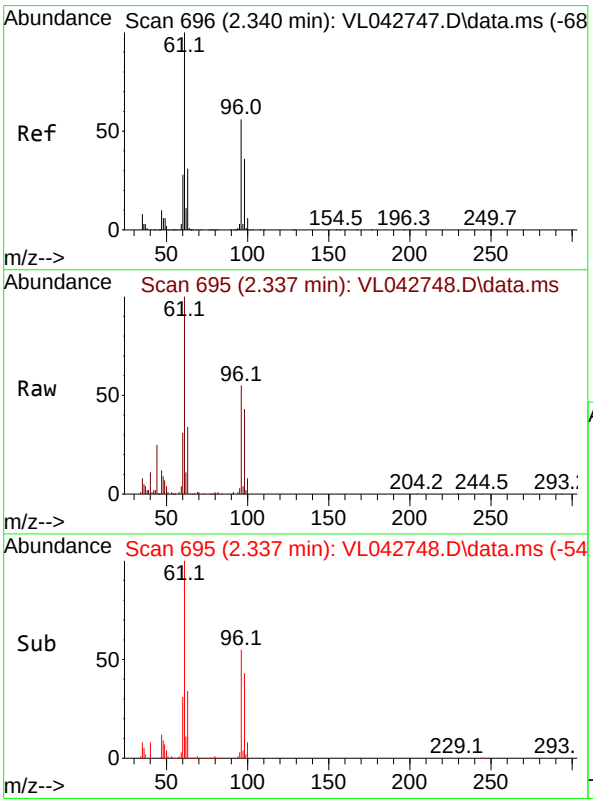
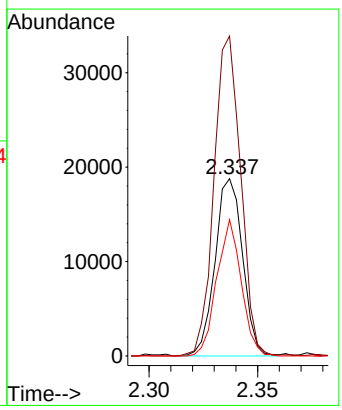
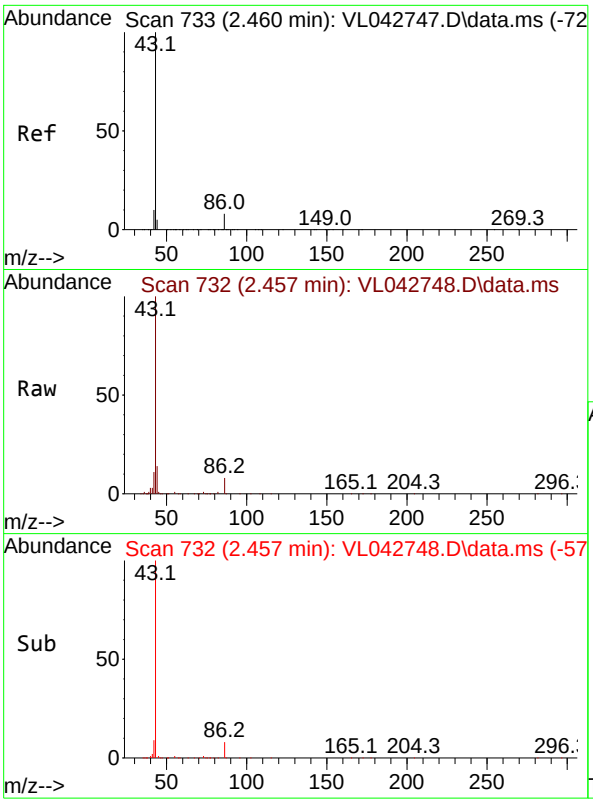


#22
trans-1,2-Dichloroethene
Concen: 2.081 ppbv m
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 16591

Ion	Ratio	Lower	Upper
96	100		
61	180.5	142.3	213.5
98	76.8	50.6	76.0#

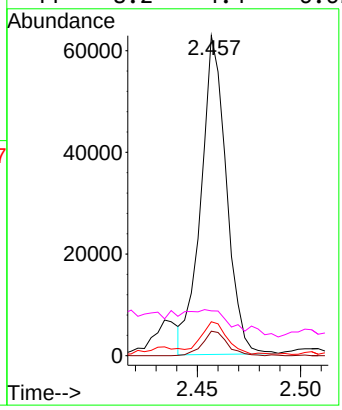




#23
Vinyl Acetate
Concen: 2.017 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 5354

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	10.1	7.8	11.8
44	8.2	4.4	6.6#



Instrument :
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ClientSampleId :
VSTDICC002

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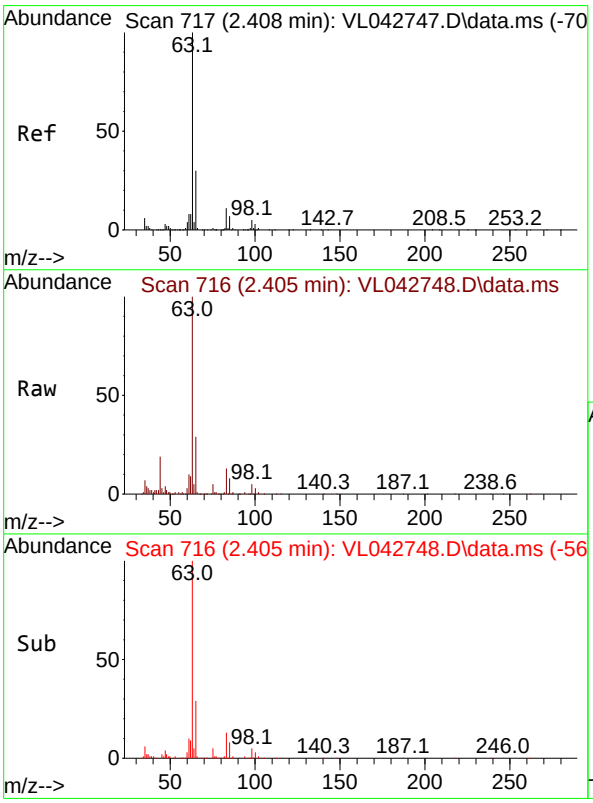
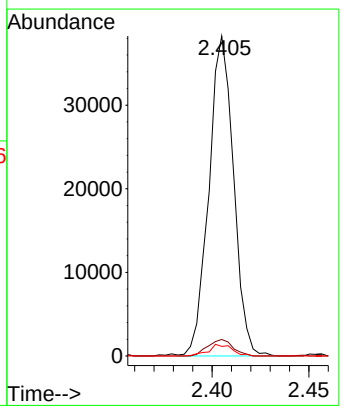
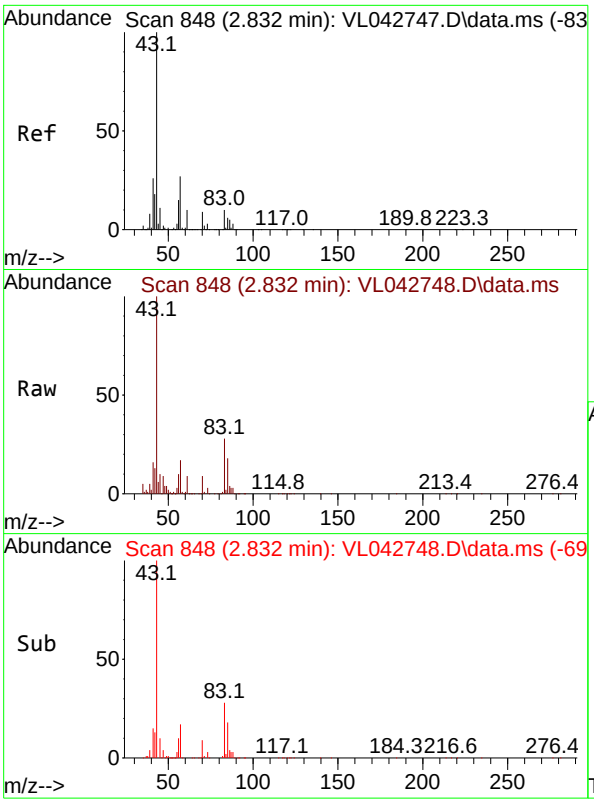


#24
1,1-Dichloroethane
Concen: 2.073 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 63 Resp: 33969

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.5	7.4
100	3.0	1.6	4.8

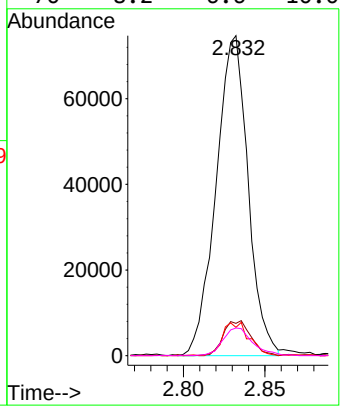




#25
Ethyl Acetate
Concen: 2.101 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 10185

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.9	6.7	10.1
70	8.2	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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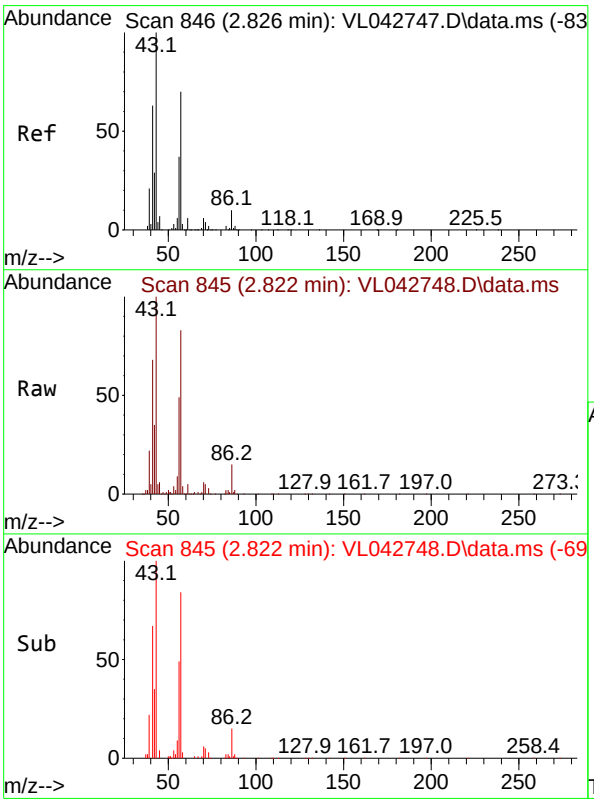
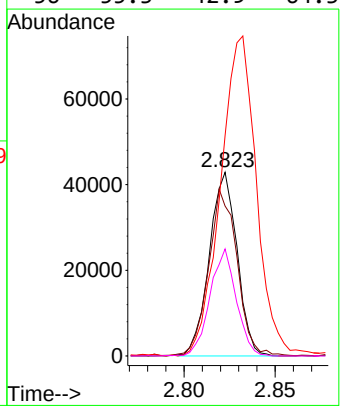
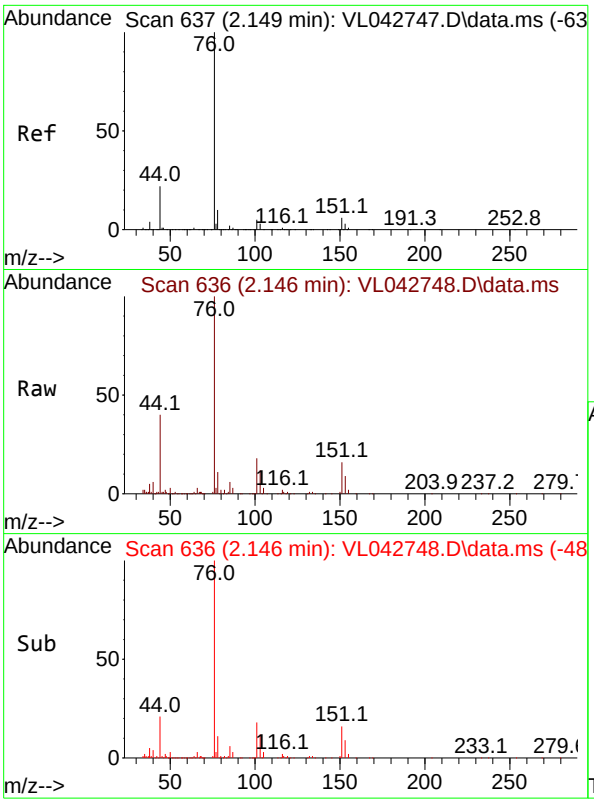


#26
Hexane
Concen: 2.137 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 45446

Ion	Ratio	Lower	Upper
57	100		
41	94.1	75.4	113.2
43	230.2	185.0	277.6
56	55.3	42.9	64.3

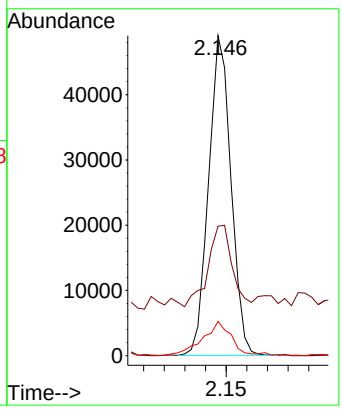




#27
Carbon Disulfide
Concen: 2.030 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 76 Resp: 3694

Ion	Ratio	Lower	Upper
76	100		
44	71.1	19.3	28.9
78	13.6	9.9	14.9



Instrument :
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ClientSampleId :
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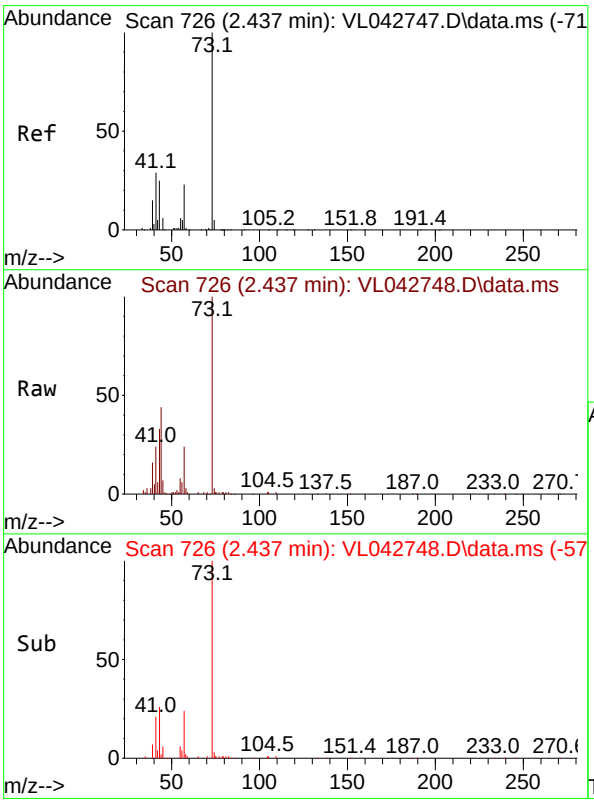
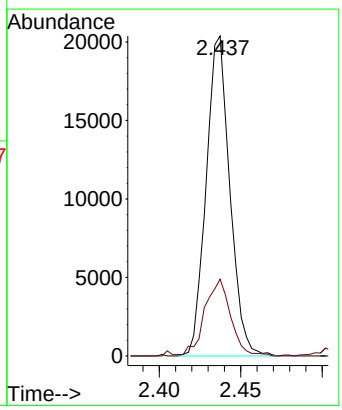
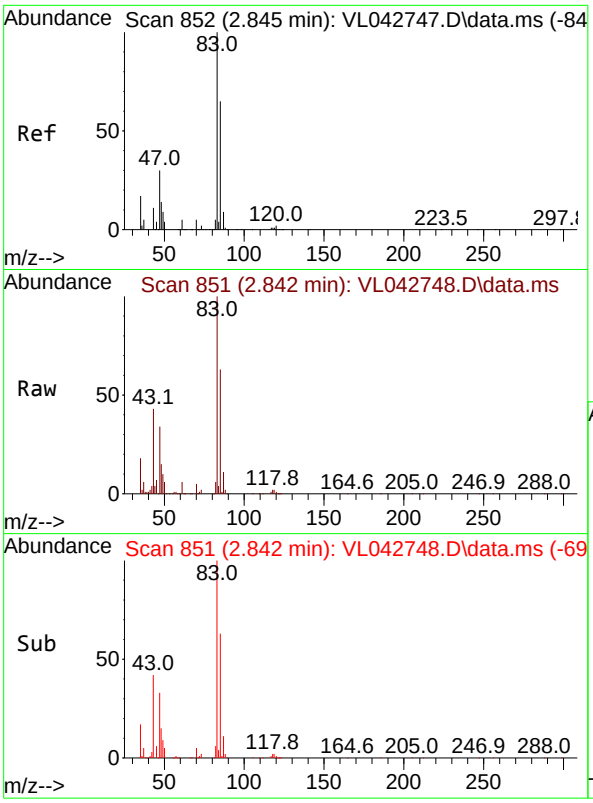


#28
Methyl tert-Butyl Ether
Concen: 2.051 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 73 Resp: 20603

Ion	Ratio	Lower	Upper
73	100		
57	26.7	19.8	29.8

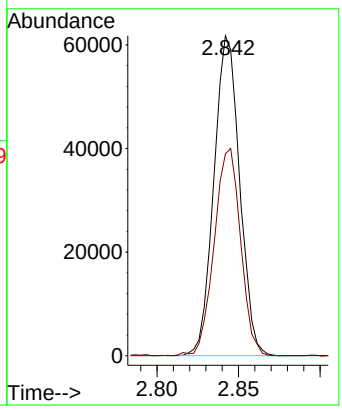




#29
Chloroform
Concen: 2.062 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 6775

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2



Instrument :
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ClientSampleId :
VSTDICC002

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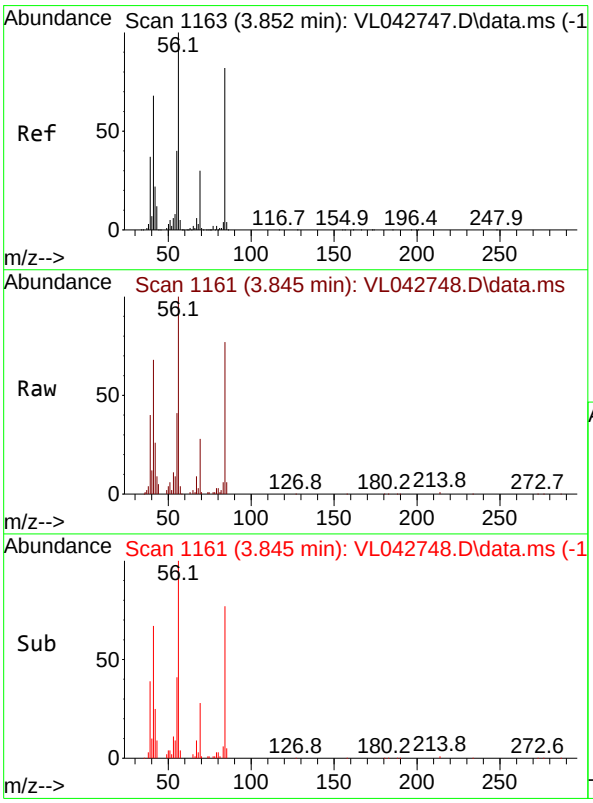
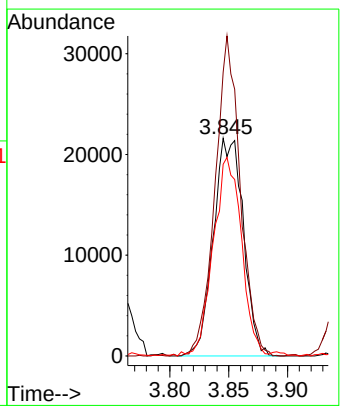
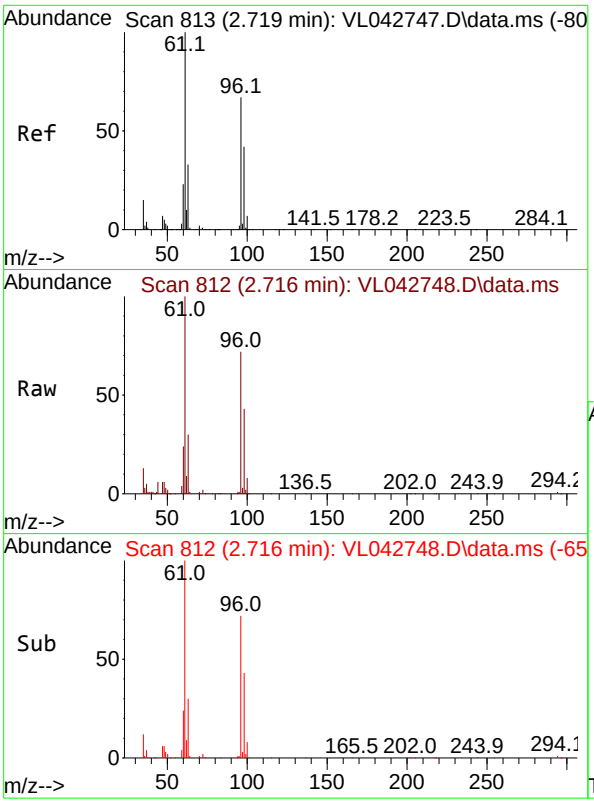


#30
Cyclohexane
Concen: 2.113 ppbv m
RT: 3.845 min Scan# 1161
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 38095

Ion	Ratio	Lower	Upper
84	100		
56	124.9	97.5	146.3
41	87.4	67.2	100.8

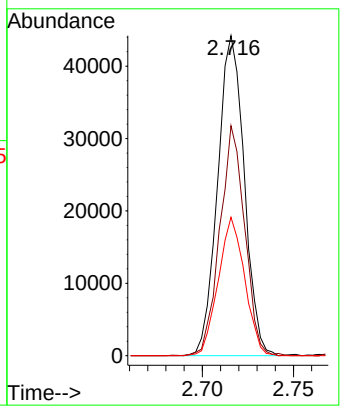




#31
cis-1,2-Dichloroethene
Concen: 2.053 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 61 Resp: 4486

Ion	Ratio	Lower	Upper
61	100		
96	71.8	53.5	80.3
98	43.3	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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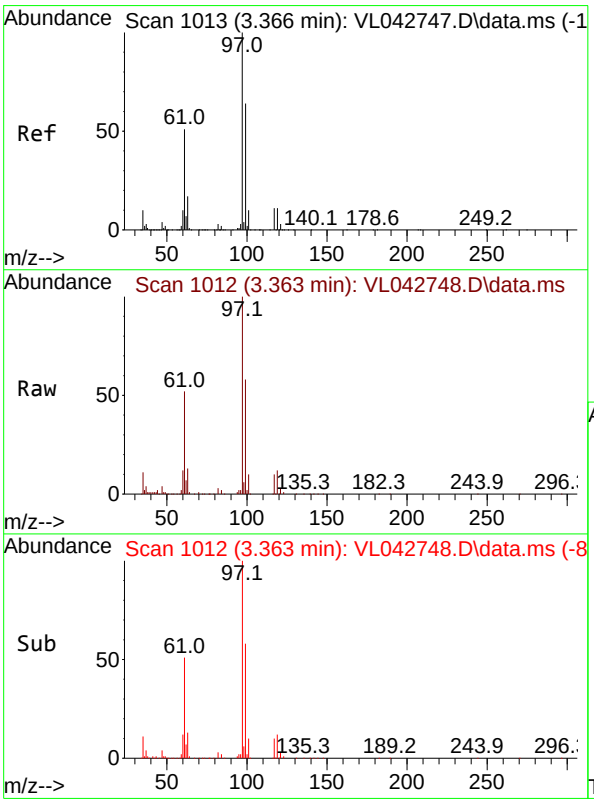
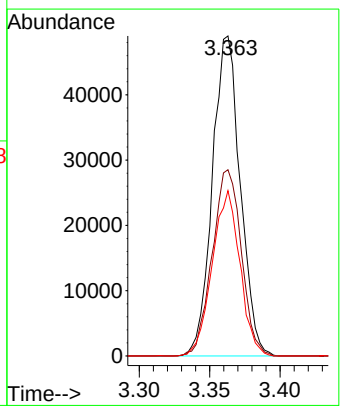
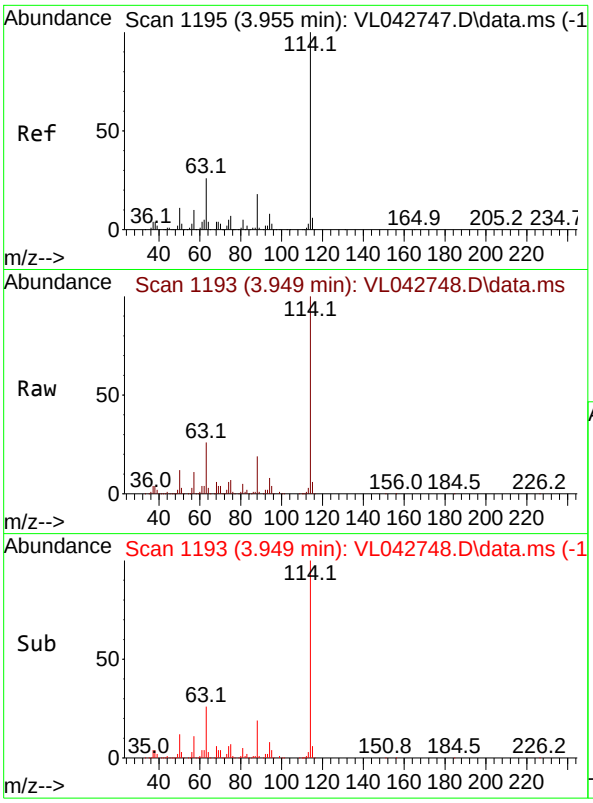


#32
1,1,1-Trichloroethane
Concen: 1.976 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 67608

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.0	76.6
61	51.3	40.9	61.3

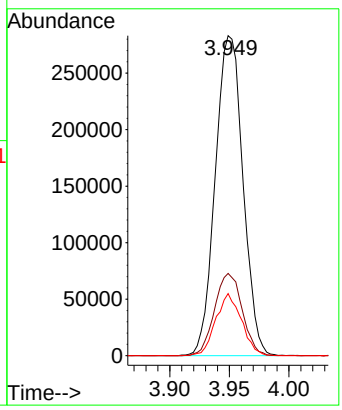




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:114 Resp: 45780

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	18.0	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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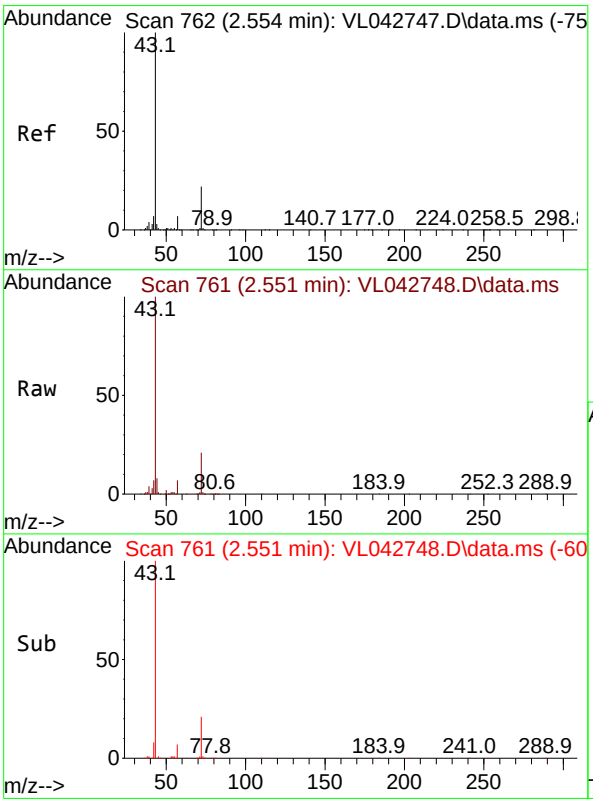
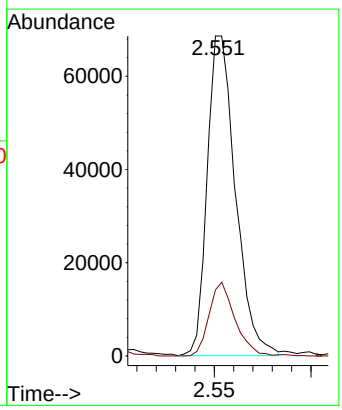
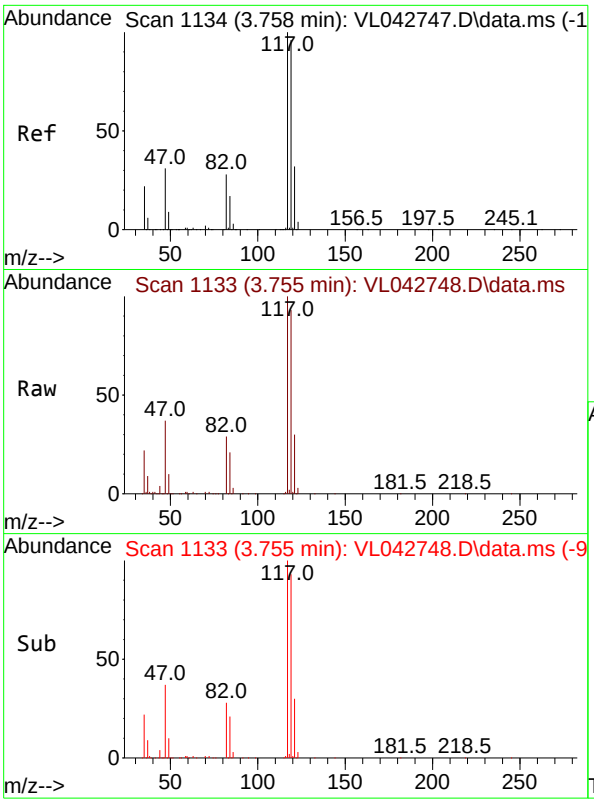


#34
2-Butanone
Concen: 2.149 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 69674

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0

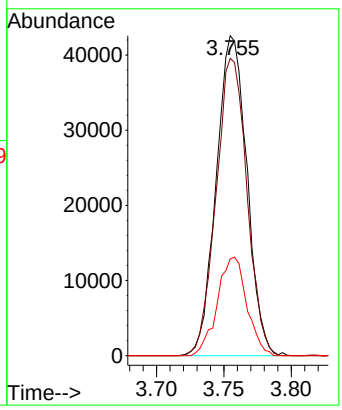




#35
Carbon Tetrachloride
Concen: 1.979 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:117 Resp: 6733

Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.1	115.7
121	30.2	25.5	38.3



Instrument :
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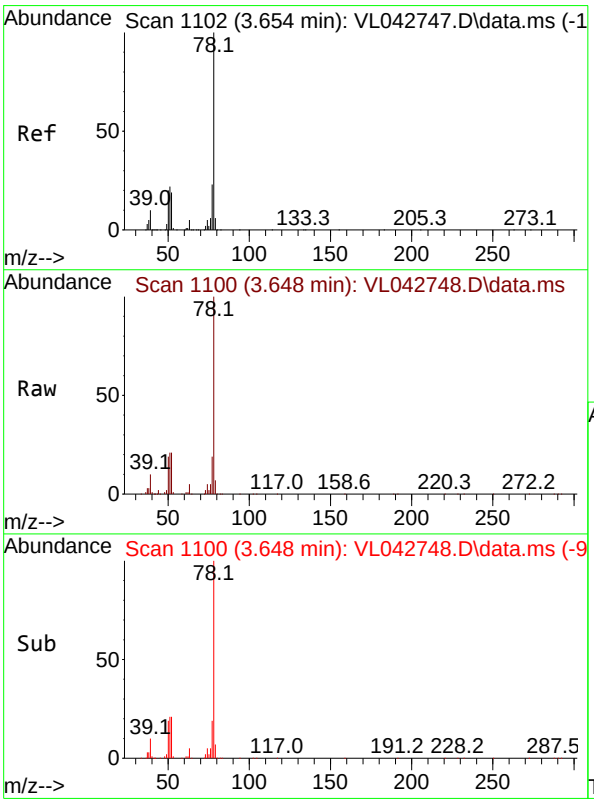
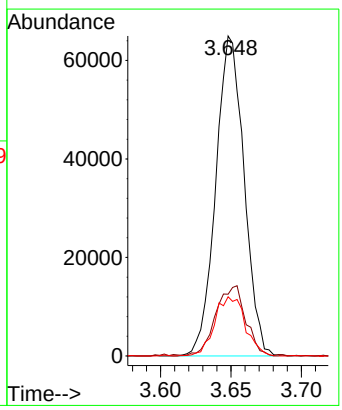
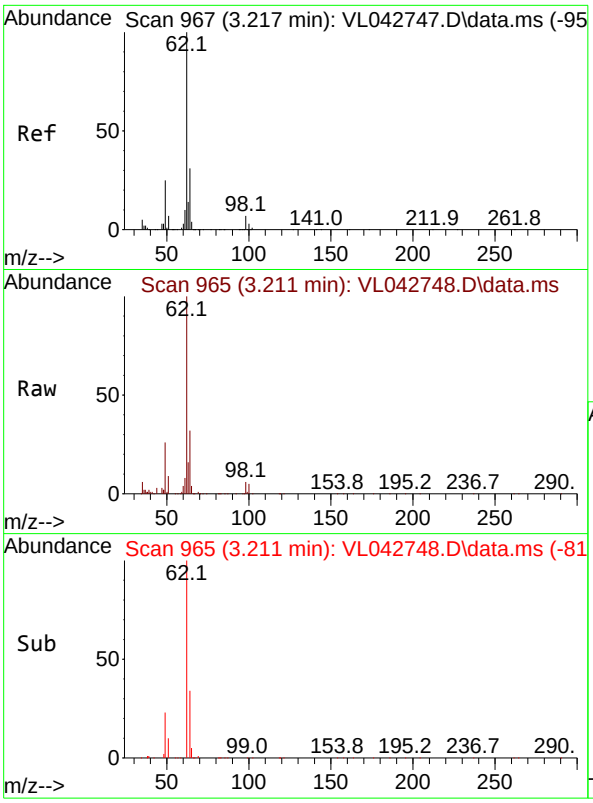


#36
Benzene
Concen: 2.101 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 78 Resp: 91141

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.5	27.7
50	18.5	16.2	24.2

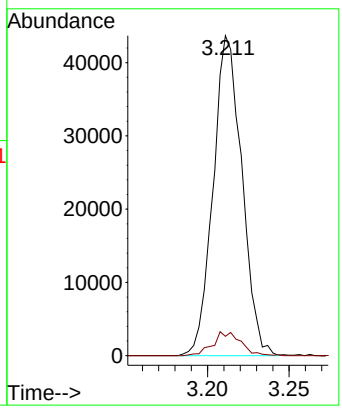




#37
1,2-Dichloroethane
Concen: 2.046 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 62 Resp: 5348

Ion	Ratio	Lower	Upper
62	100		
98	7.3	5.2	7.8



Instrument :
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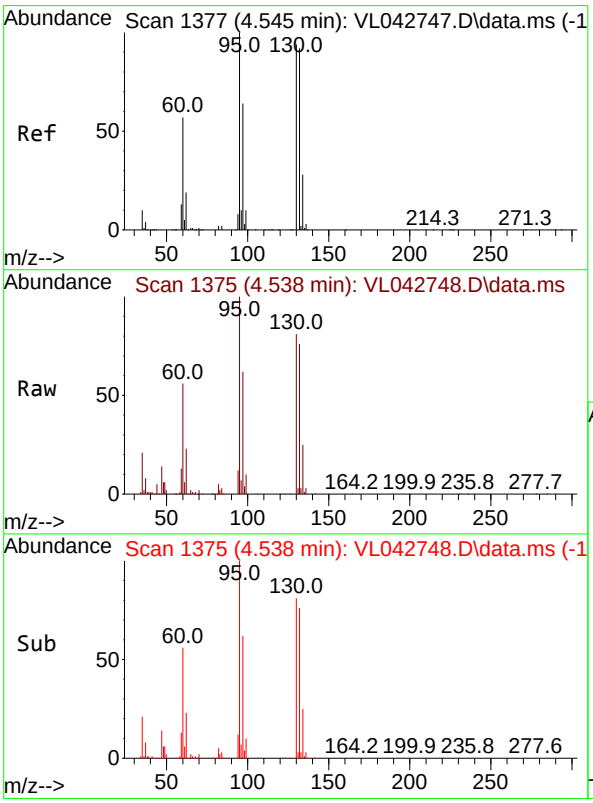
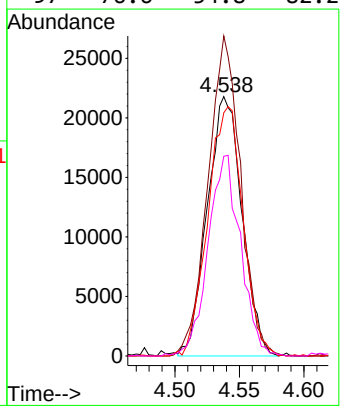
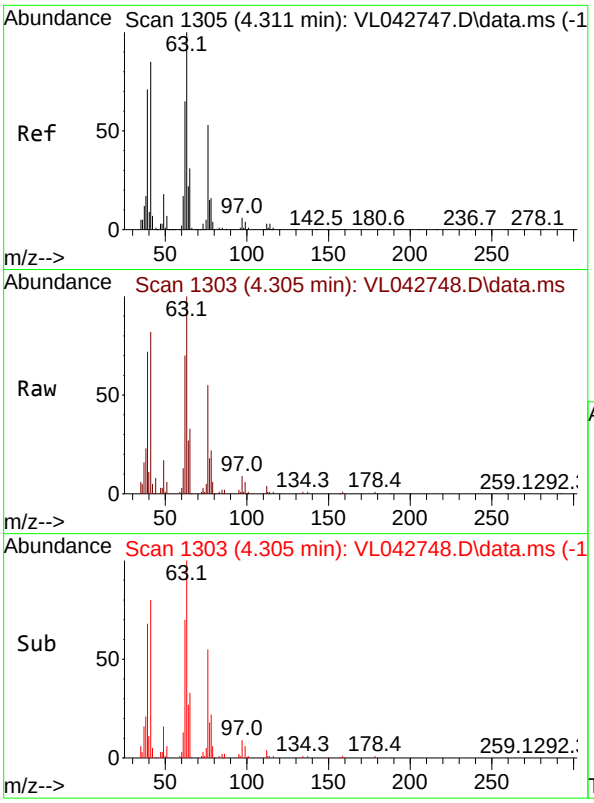


#38
Trichloroethene
Concen: 1.946 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:130 Resp: 40713

Ion	Ratio	Lower	Upper
130	100		
95	122.9	85.4	128.2
132	94.1	78.2	117.2
97	76.6	54.8	82.2

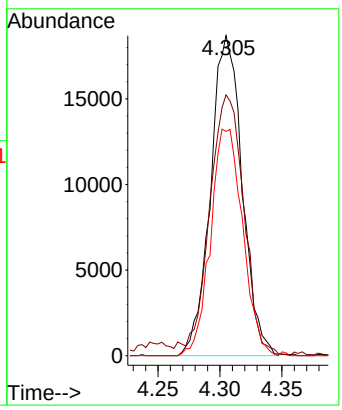




#39
1,2-Dichloropropane
Concen: 2.075 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 63 Resp: 3322

Ion	Ratio	Lower	Upper
63	100		
41	80.8	68.2	102.4
62	70.1	52.0	78.0



Instrument :
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ClientSampleId :
VSTDICC002

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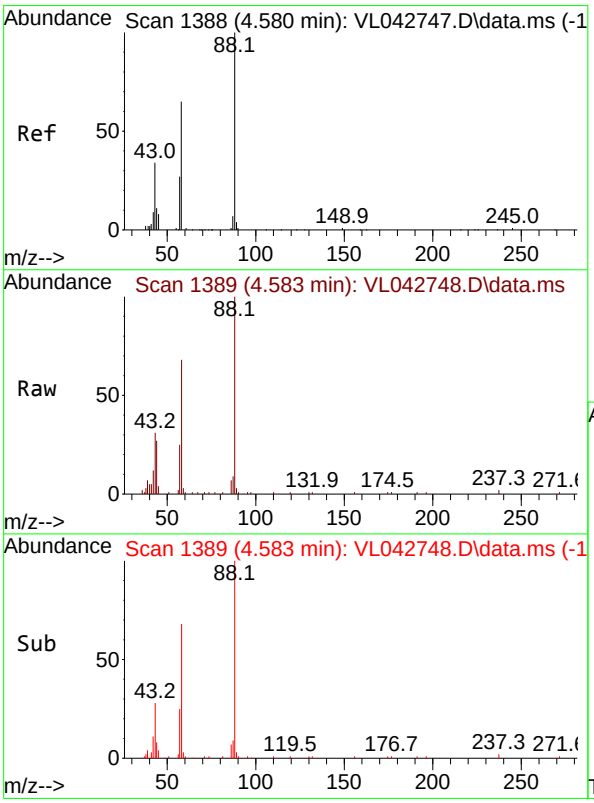
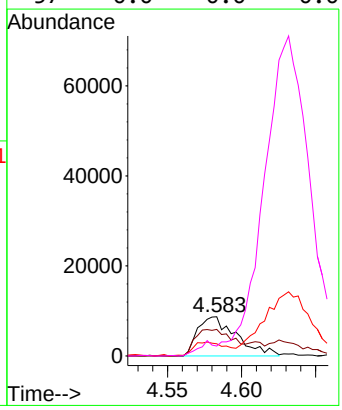
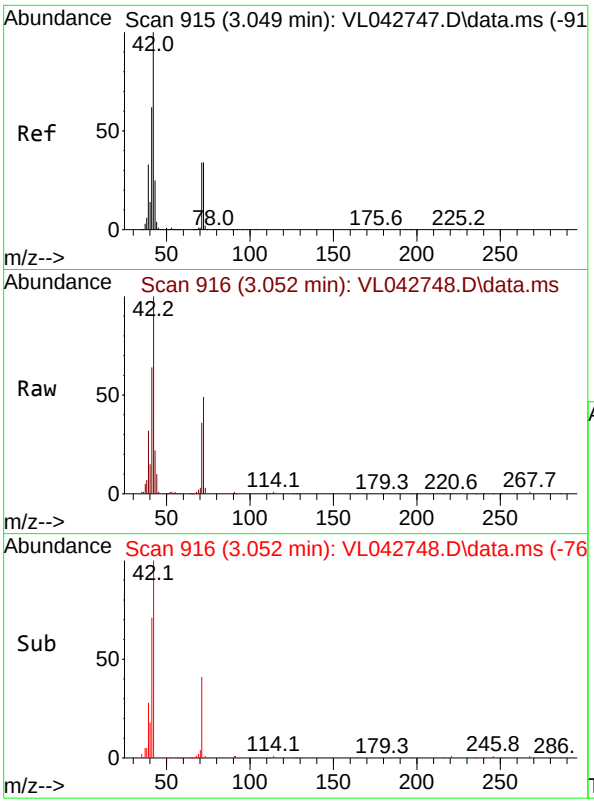


#40
1,4-Dioxane
Concen: 2.104 ppbv m
RT: 4.583 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 88 Resp: 15890

Ion	Ratio	Lower	Upper
88	100		
58	80.9	58.8	88.2
43	0.0	28.9	43.3#
57	0.0	0.0	0.0

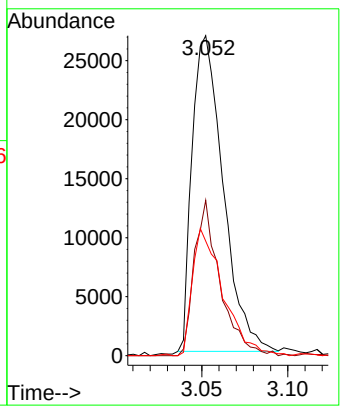




#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.052 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 42 Resp: 3361

Ion	Ratio	Lower	Upper
42	100		
72	41.3	30.9	46.3
71	40.4	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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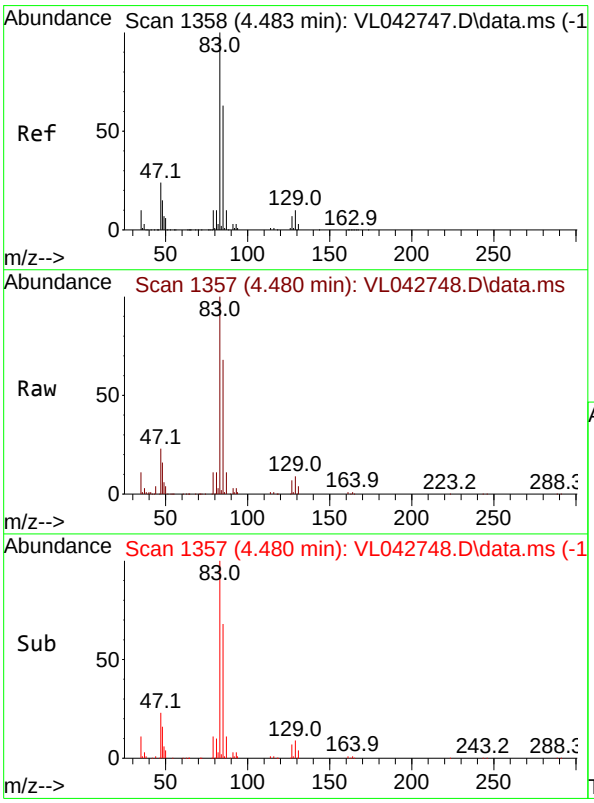
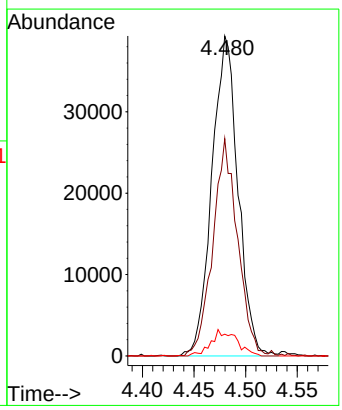
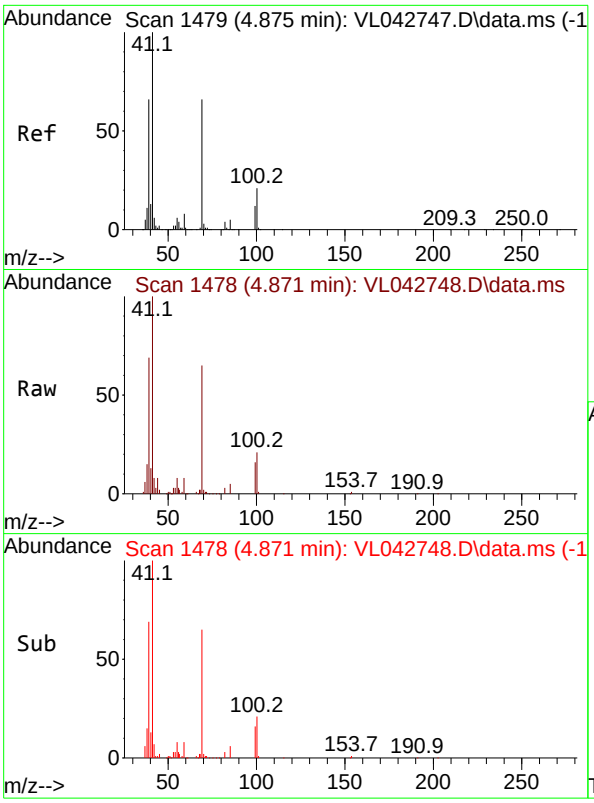


#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 69093

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.4
127	6.8	5.4	8.2

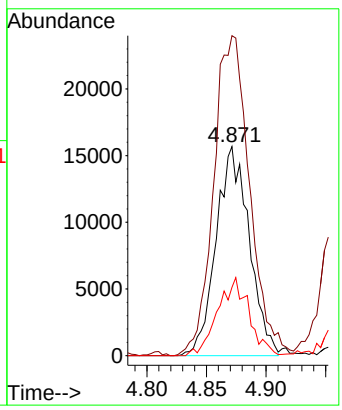




#43
Methyl Methacrylate
Concen: 1.967 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 69 Resp: 3033

Ion	Ratio	Lower	Upper
69	100		
41	164.3	125.7	188.5
100	35.5	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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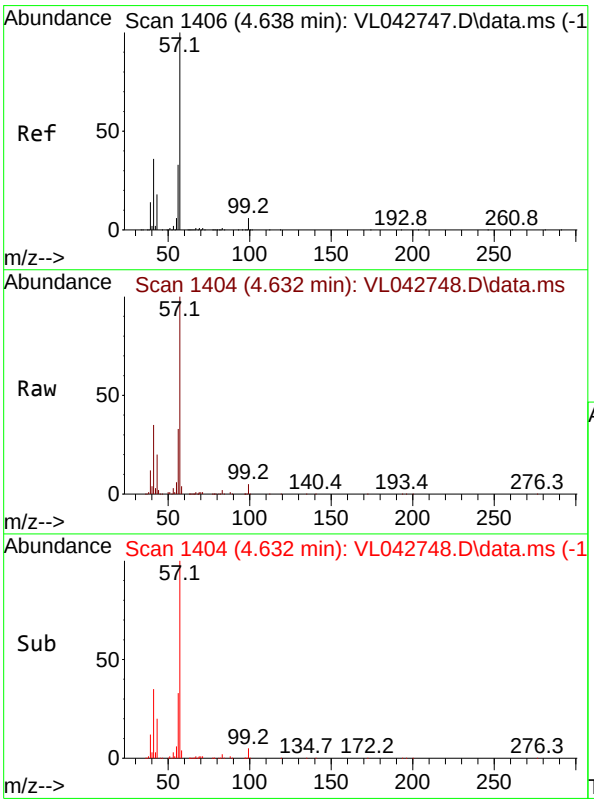
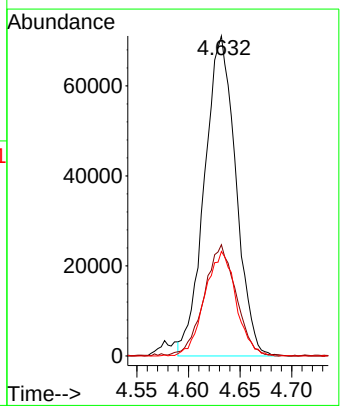
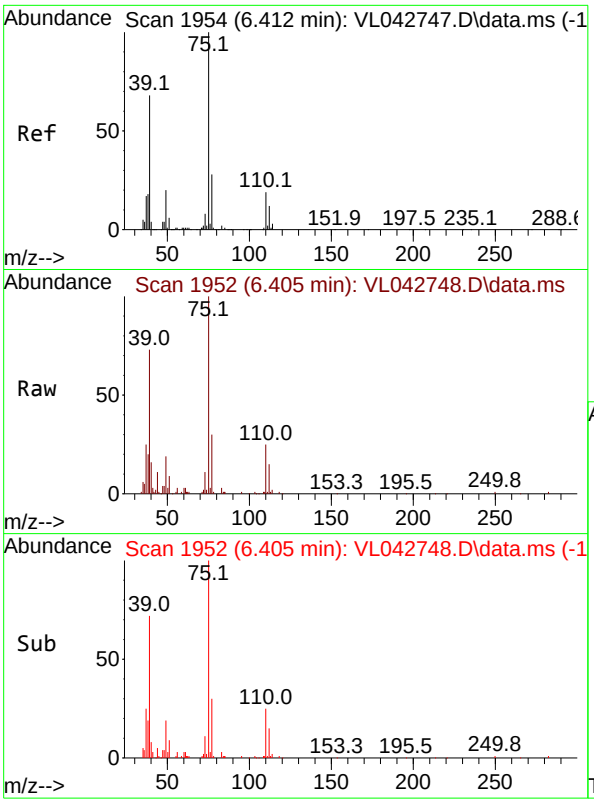


#44
2,2,4-Trimethylpentane
Concen: 2.115 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 149588

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.3	42.5
56	32.9	25.8	38.6

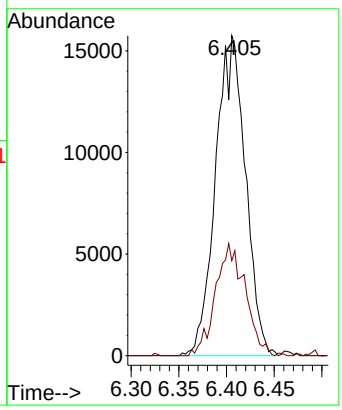




#45
t-1,3-Dichloropropene
Concen: 1.984 ppbv m
RT: 6.405 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 75 Resp: 3433

Ion	Ratio	Lower	Upper
75	100		
77	29.7	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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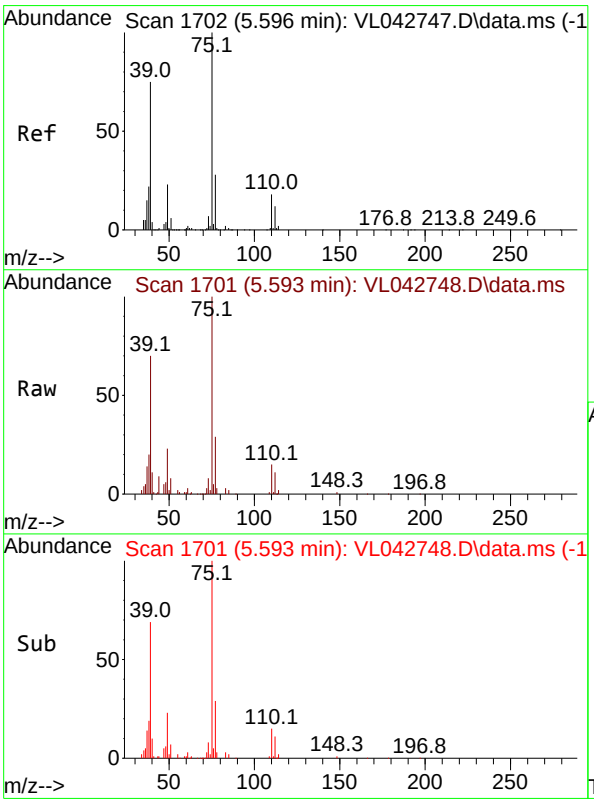
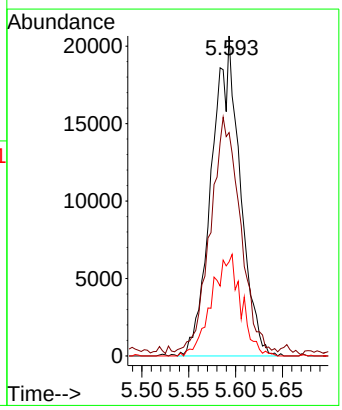
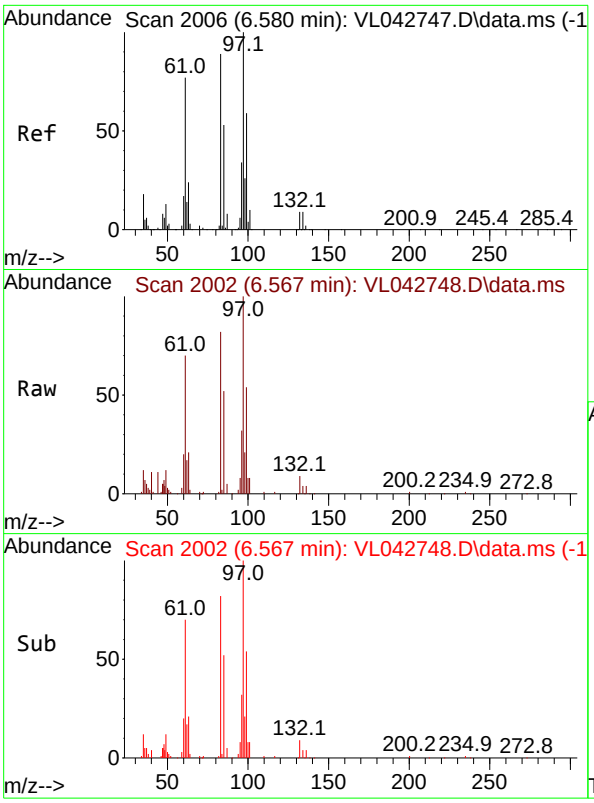


#46
cis-1,3-Dichloropropene
Concen: 2.000 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 75 Resp: 43845

Ion	Ratio	Lower	Upper
75	100		
39	69.8	60.2	90.2
77	29.4	22.6	34.0

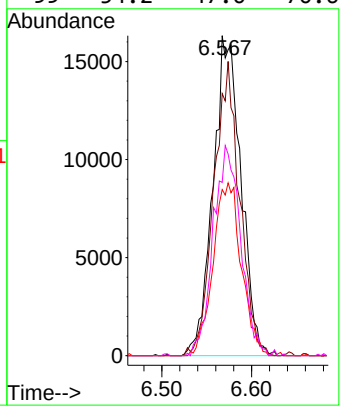




#47
1,1,2-Trichloroethane
Concen: 2.063 ppbv m
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 3522

Ion	Ratio	Lower	Upper
97	100		
83	81.9	71.1	106.7
85	51.9	43.0	64.4
99	54.2	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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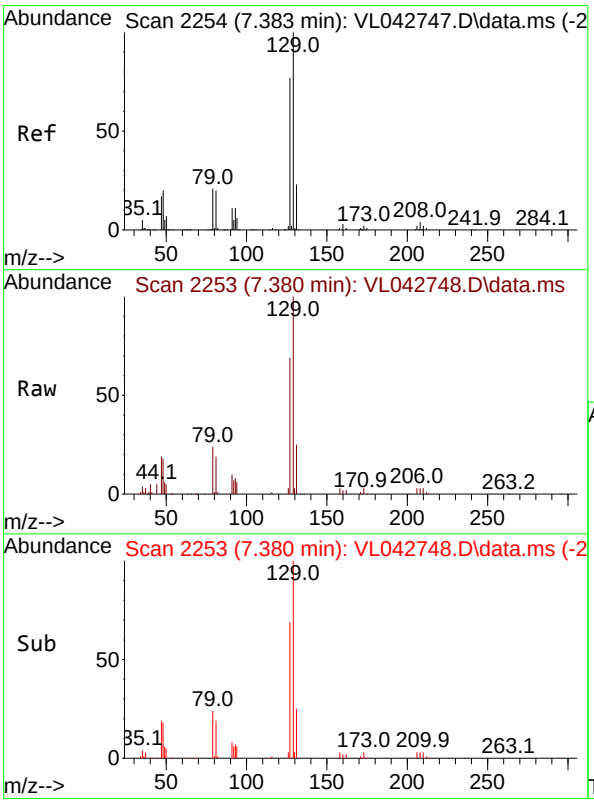
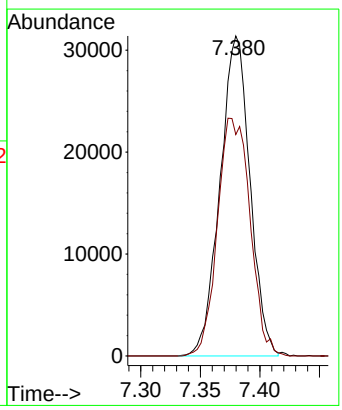
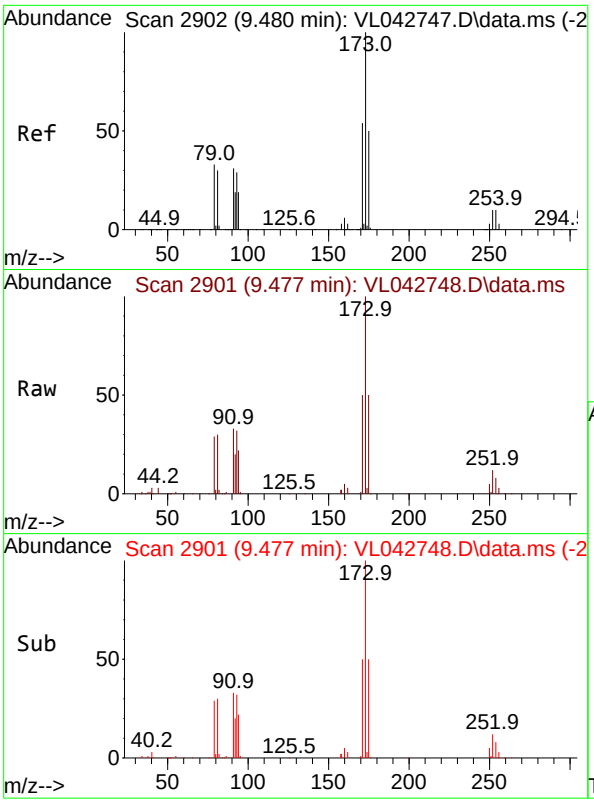


#48
Dibromochloromethane
Concen: 2.026 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:129 Resp: 54906

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.7	116.1

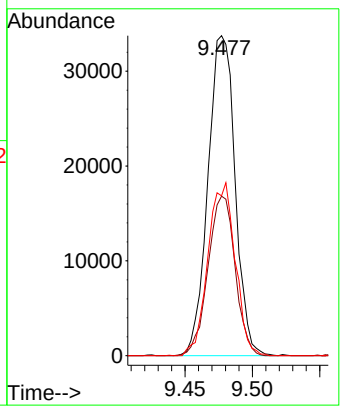




#49
Bromoform
Concen: 2.003 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:173 Resp: 4734

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.4	57.6
171	54.2	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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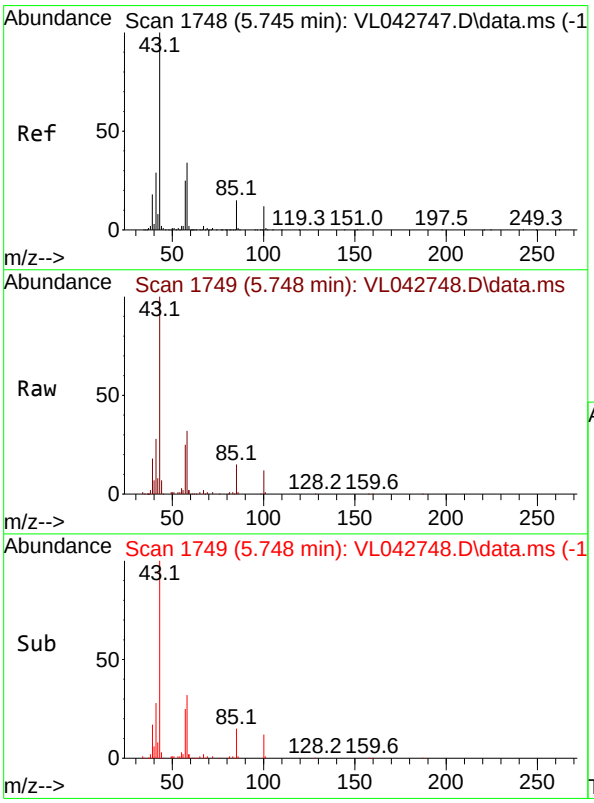
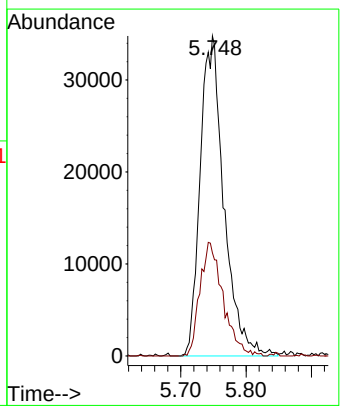
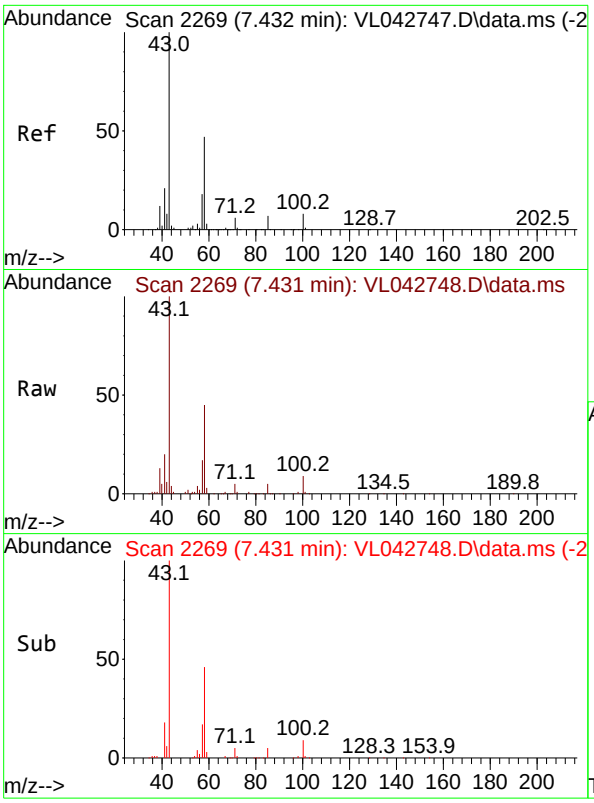


#50
4-Methyl-2-Pentanone
Concen: 2.120 ppbv m
RT: 5.748 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 87566

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8

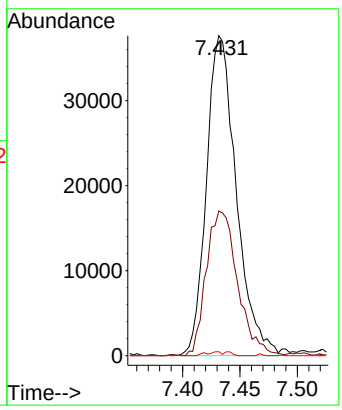




#51
2-Hexanone
Concen: 2.157 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 6809

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.0	57.0
98	1.0	0.2	0.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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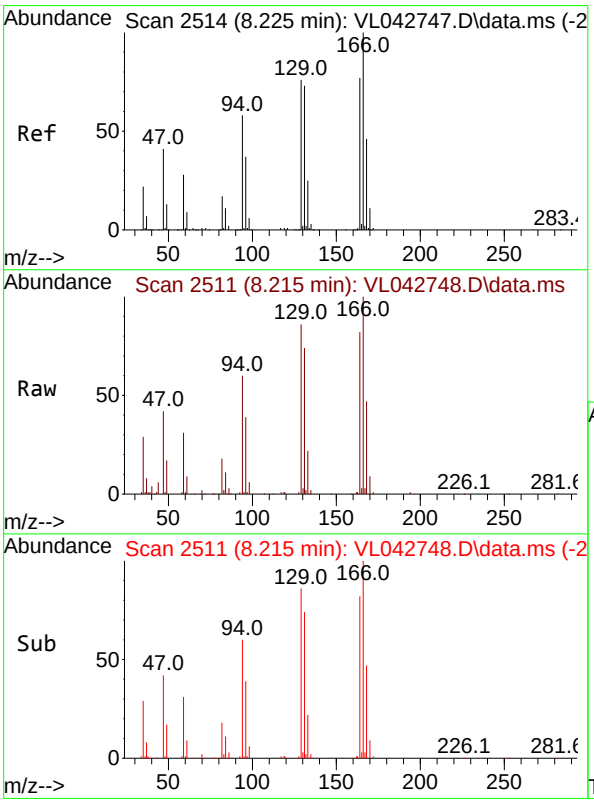
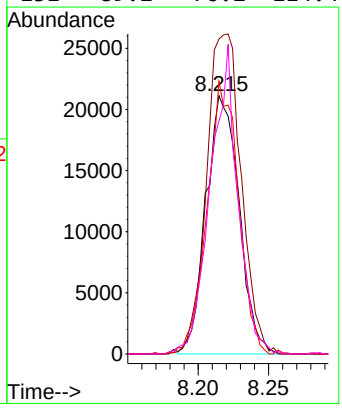
Supervised By :Mahesh Dadoda 07/24/2025

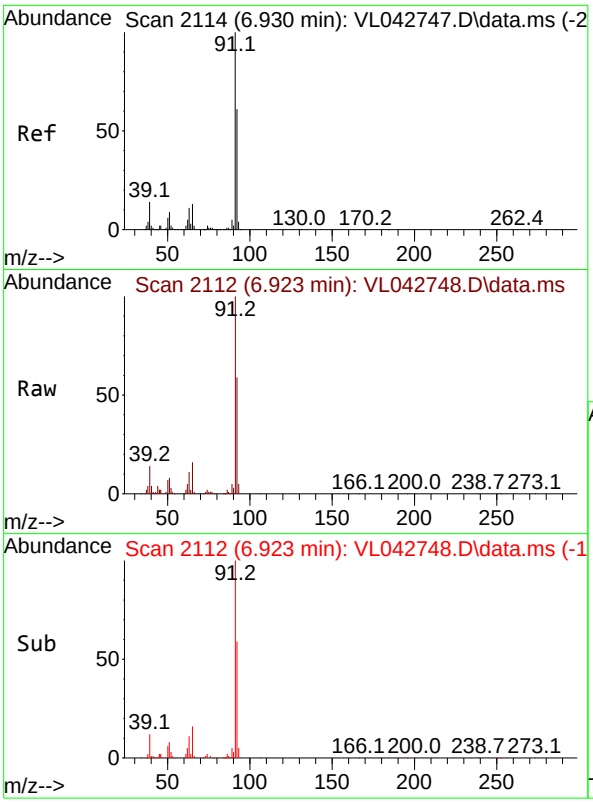


#52
Tetrachloroethene
Concen: 1.917 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:164 Resp: 34568

Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.0	156.0
129	103.9	79.2	118.8
131	89.2	76.2	114.4

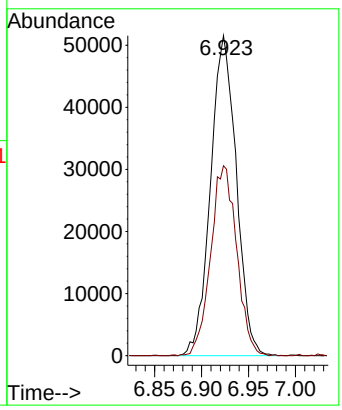




#53
Toluene
Concen: 2.111 ppbv
RT: 6.923 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 9834

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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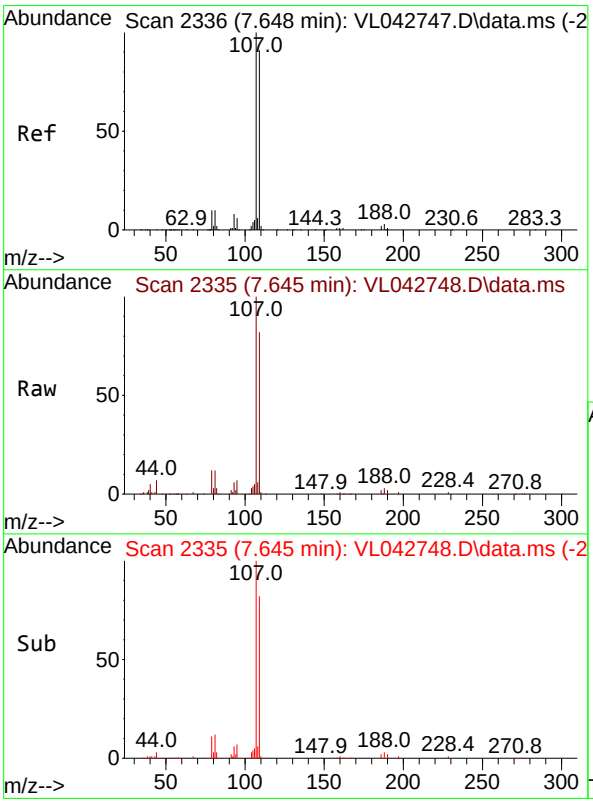
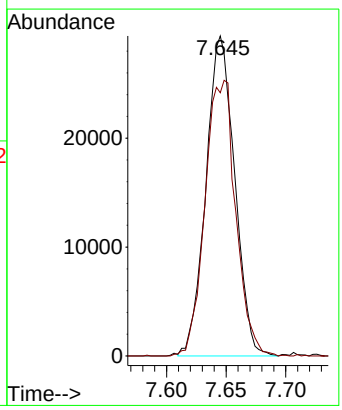
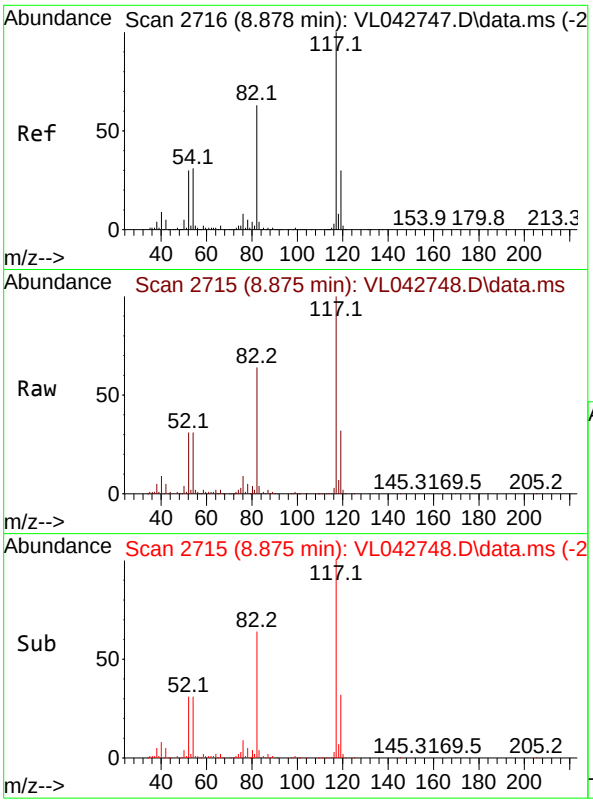


#54
1,2-Dibromoethane
Concen: 2.042 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:107 Resp: 49346

Ion	Ratio	Lower	Upper
107	100		
109	82.2	72.7	109.1

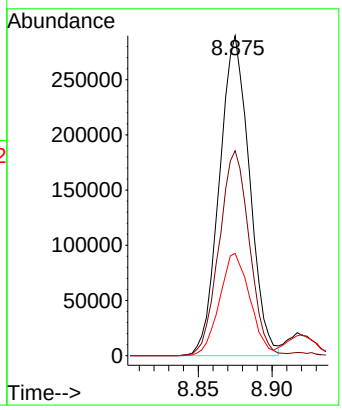




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:117 Resp: 41074

Ion	Ratio	Lower	Upper
117	100		
82	65.2	53.3	79.9
119	33.2	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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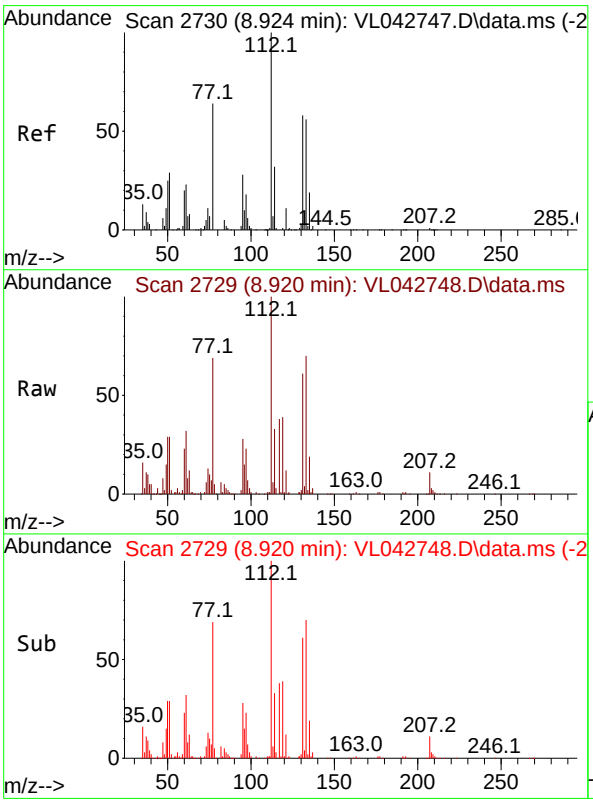
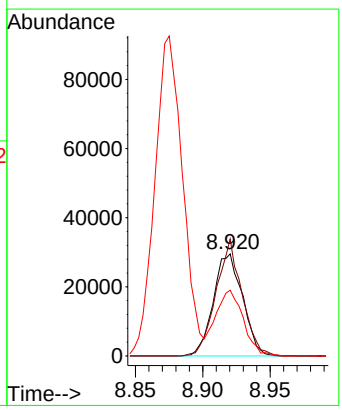
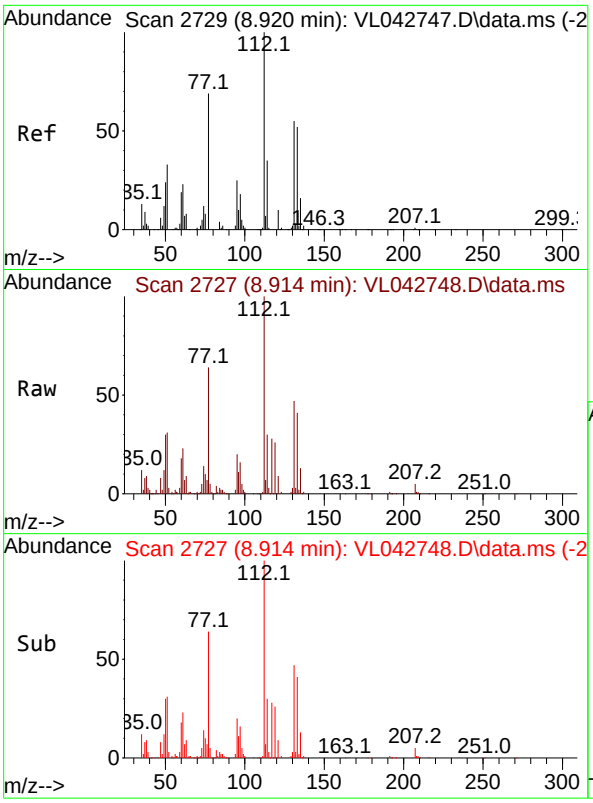


#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:131 Resp: 44409

Ion	Ratio	Lower	Upper
131	100		
133	102.1	76.8	115.2
119	54.2	49.7	74.5





#57
Chlorobenzene
Concen: 2.101 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:112 Resp: 8350

Ion	Ratio	Lower	Upper
112	100		
77	63.5	56.4	84.6
114	30.2	31.2	38.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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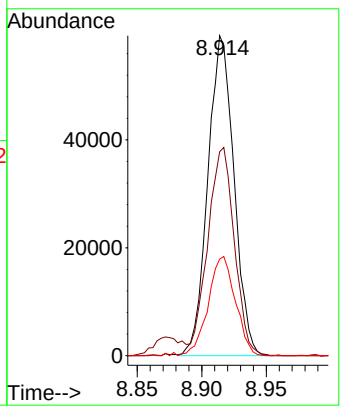
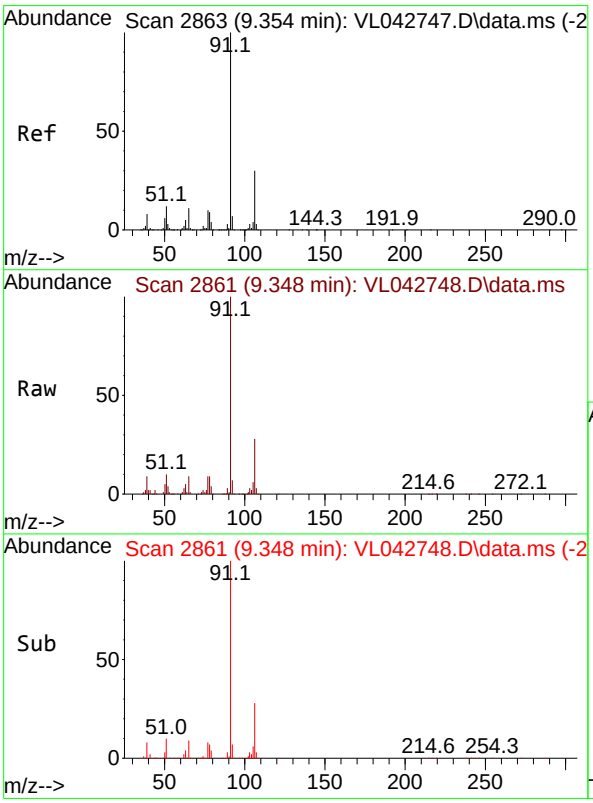
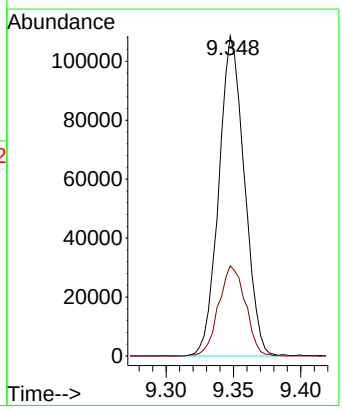


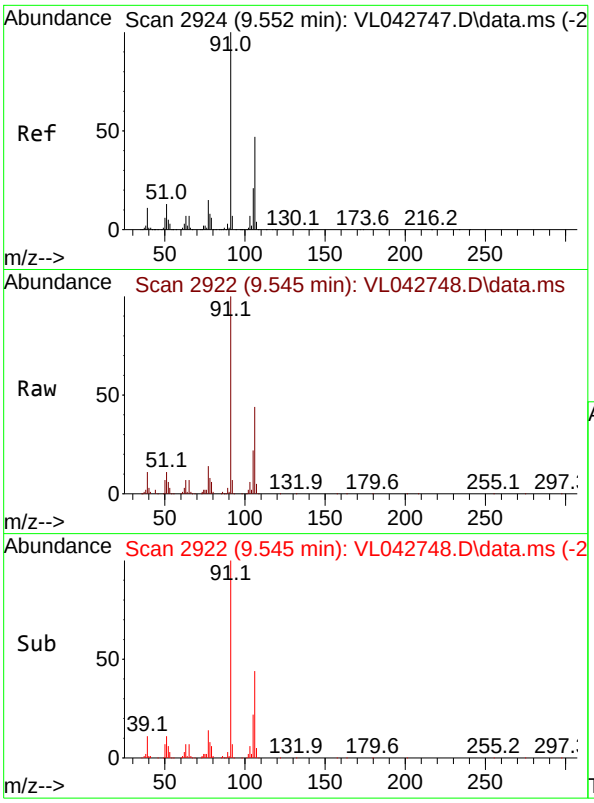


#58
Ethyl Benzene
Concen: 2.208 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 143251

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.6





#59
m/p-Xylene
Concen: 4.290 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 22246

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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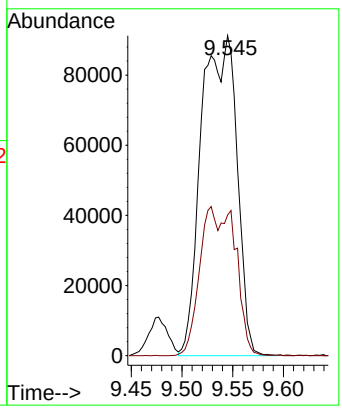
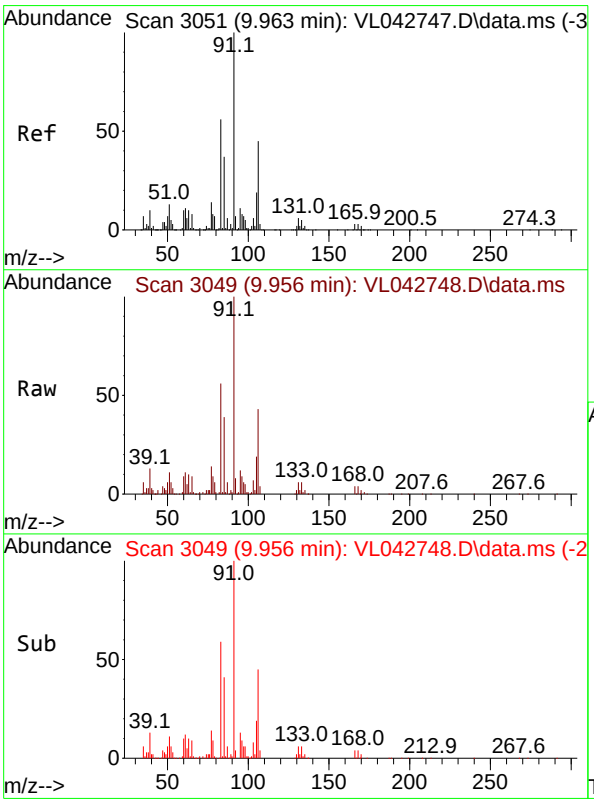
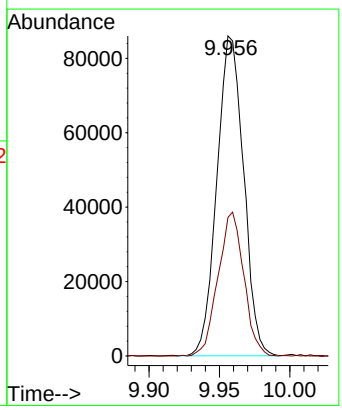


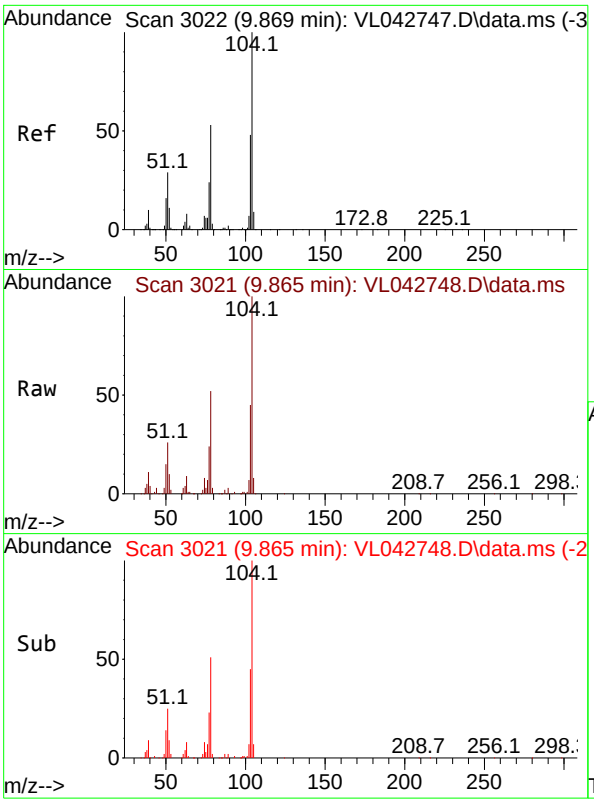


#60
o-Xylene
Concen: 2.190 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 113462

Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.0	66.0

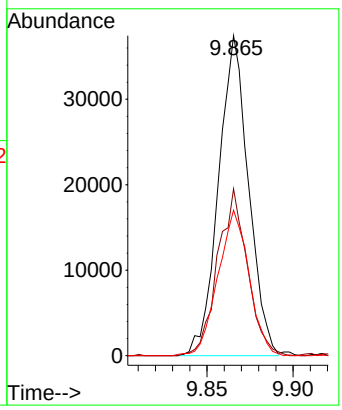




#61
Styrene
Concen: 2.081 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:104 Resp: 4535

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.5	62.3
103	47.1	37.5	56.3



Instrument :
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ClientSampleId :
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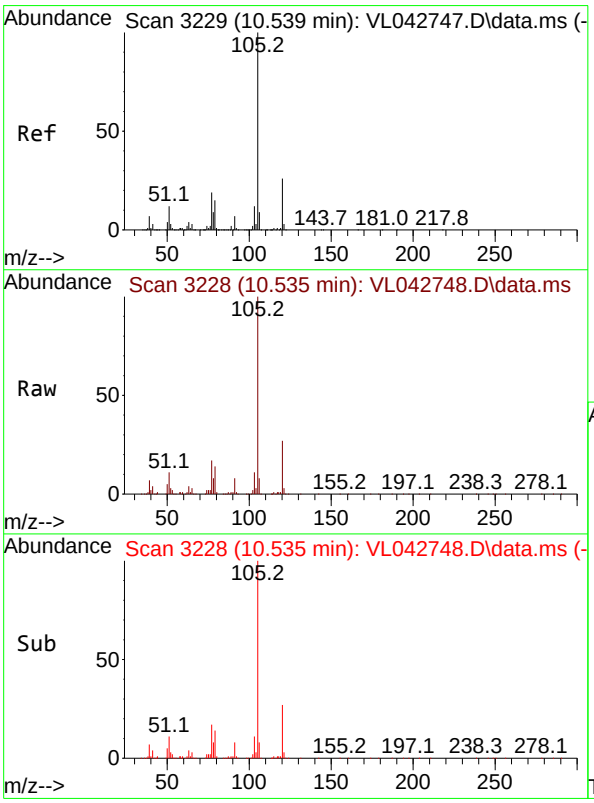
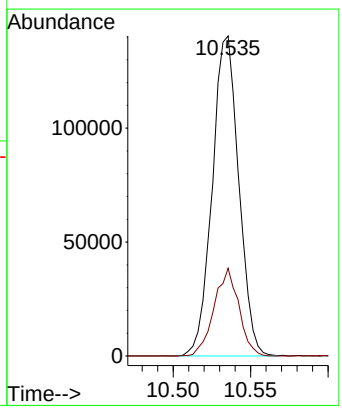
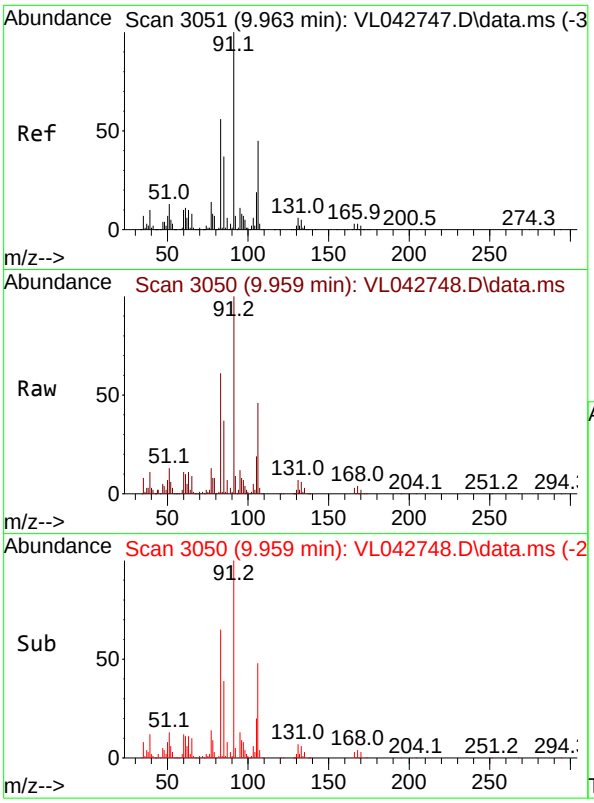


#62
Isopropylbenzene
Concen: 2.187 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 167108

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7

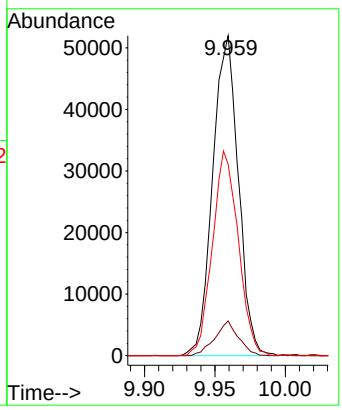




#63
1,1,2,2-Tetrachloroethane
Concen: 1.954 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 6592

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	64.7	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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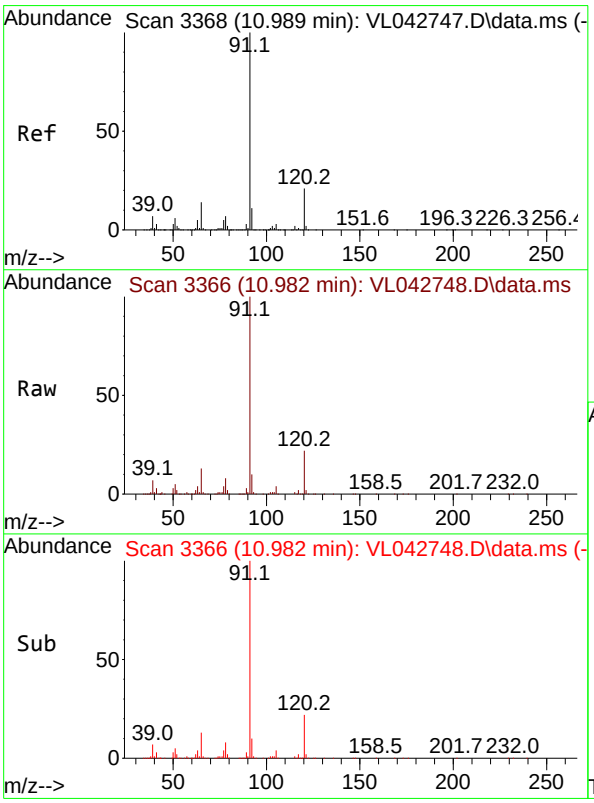
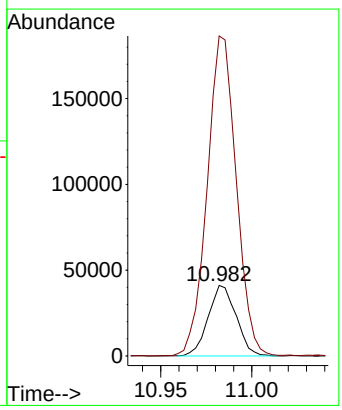
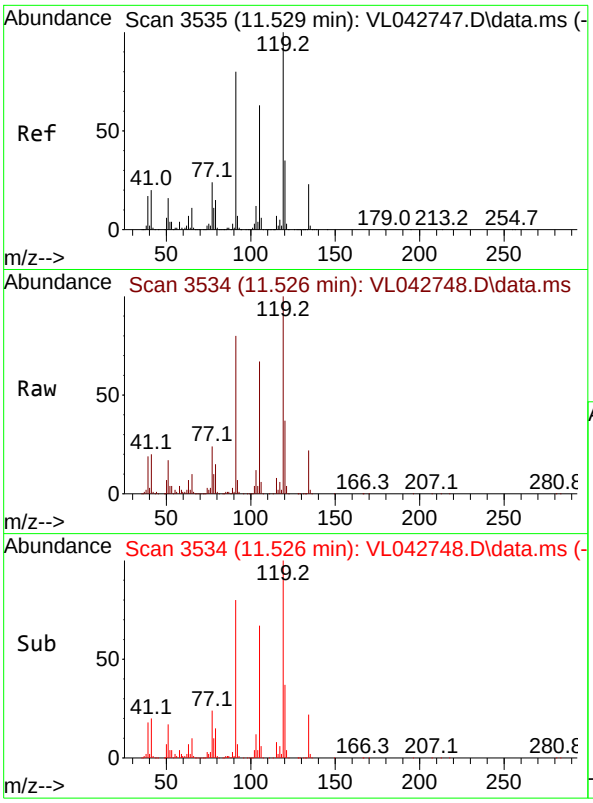


#64
n-propylbenzene
Concen: 2.198 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:120 Resp: 43789

Ion	Ratio	Lower	Upper
120	100		
91	472.1	372.7	559.1





#65
tert-Butylbenzene
Concen: 2.226 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:119 Resp: 15108

Ion	Ratio	Lower	Upper
119	100		
91	81.8	64.0	96.0
134	21.7	17.3	25.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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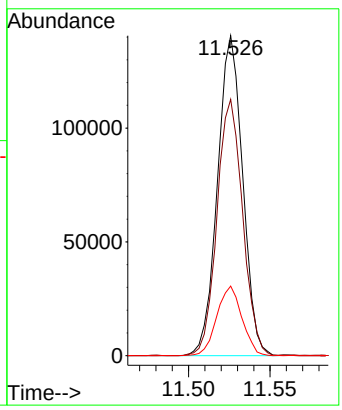
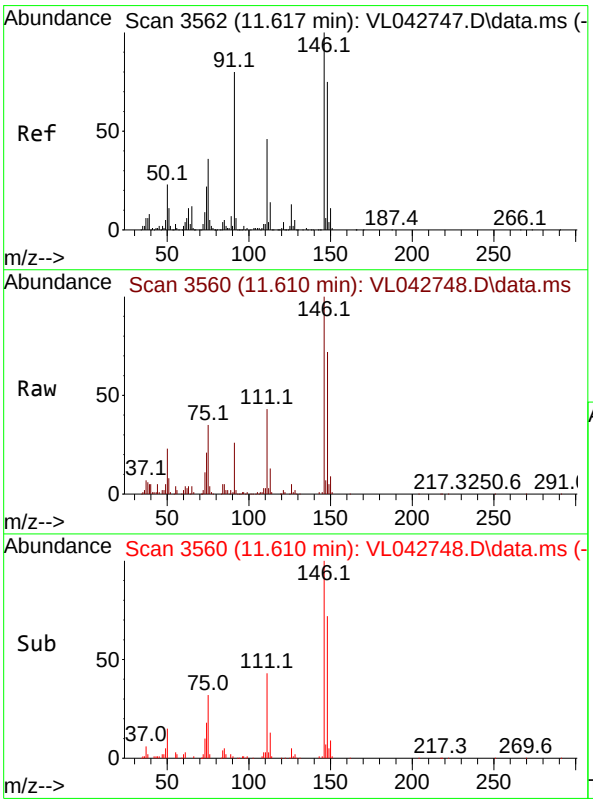
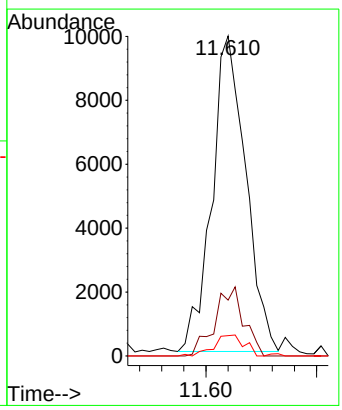


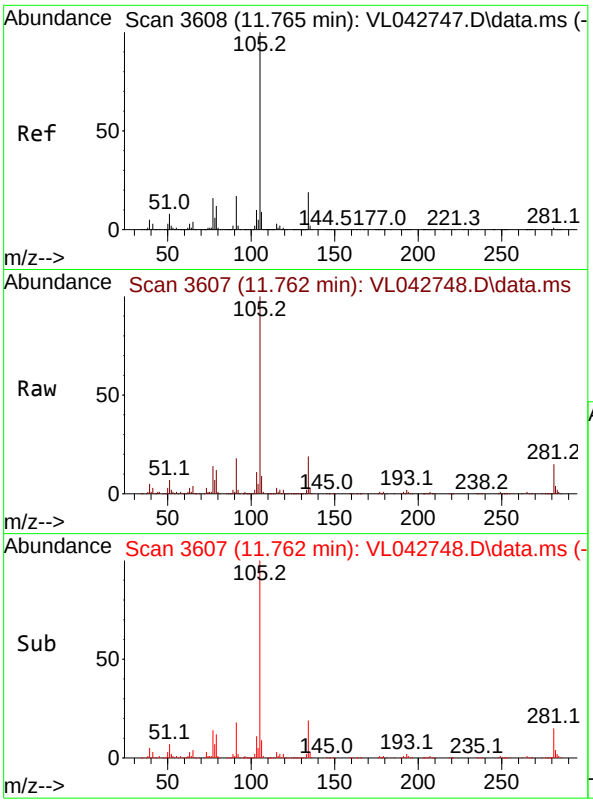


#66
Benzyl Chloride
Concen: 1.882 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 10485

Ion	Ratio	Lower	Upper
91	100		
126	18.8	14.4	21.6
128	6.2	5.2	7.8

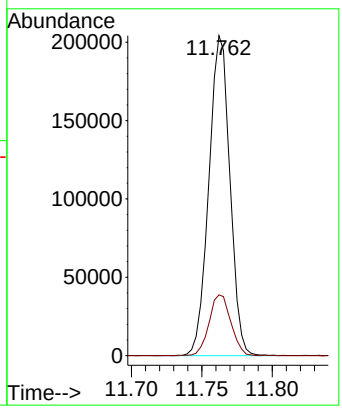




#67
sec-Butylbenzene
Concen: 2.206 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 21292

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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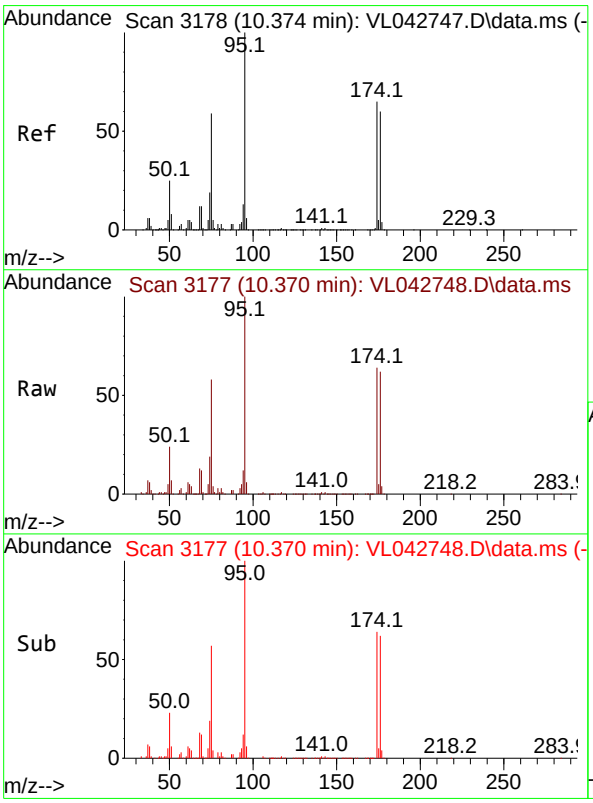
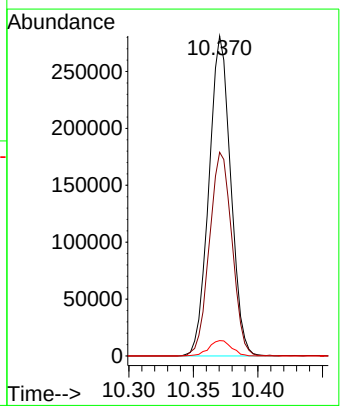
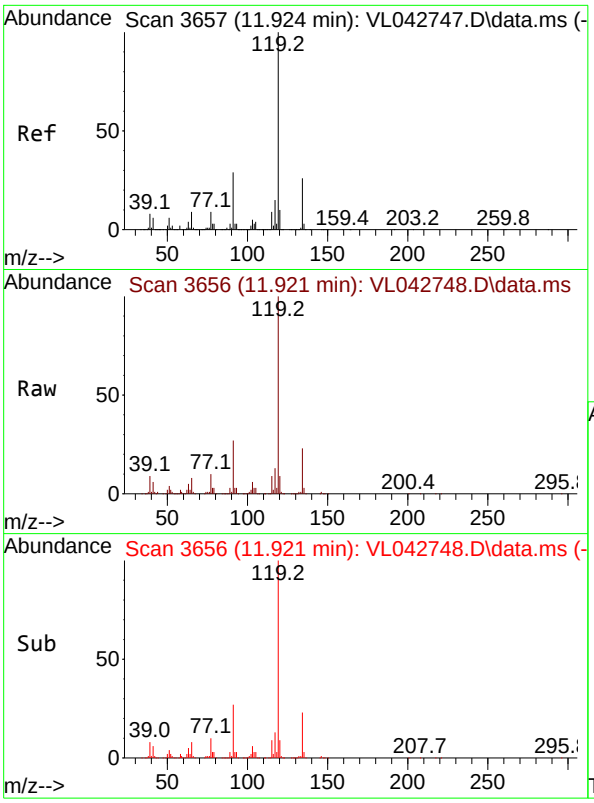


#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 95 Resp: 330476

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.8	80.6
175	5.0	4.0	6.0

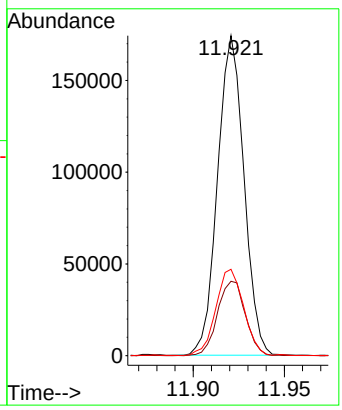




#69
p-Isopropyltoluene
Concen: 2.230 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:119 Resp: 17555

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	31.0
91	29.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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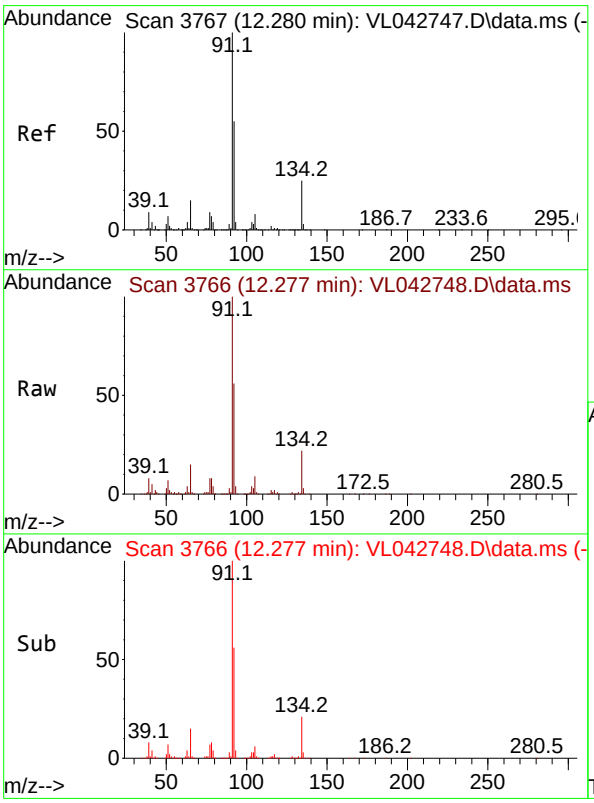
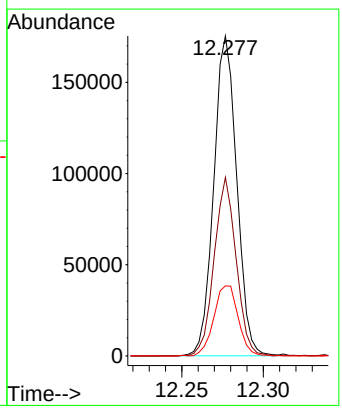
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

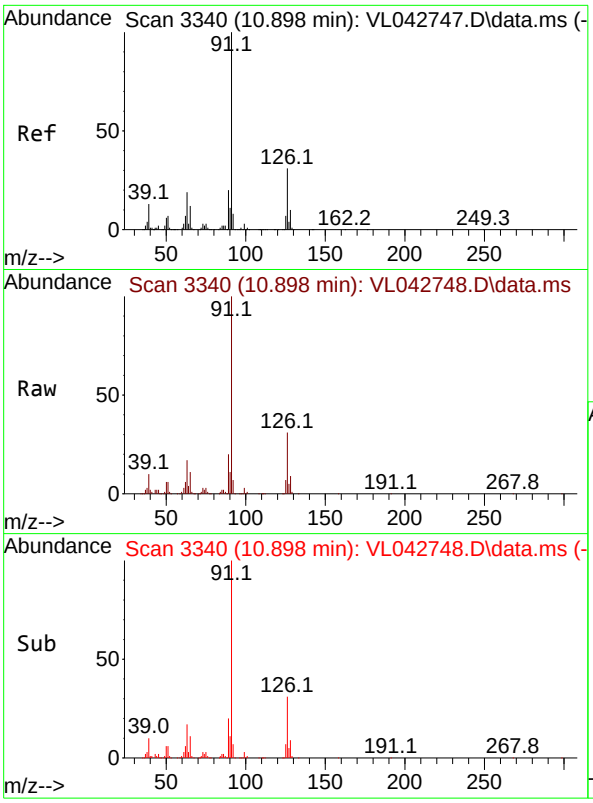


#70
n-Butylbenzene
Concen: 2.258 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 171675

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.4	65.2
134	23.4	19.6	29.4

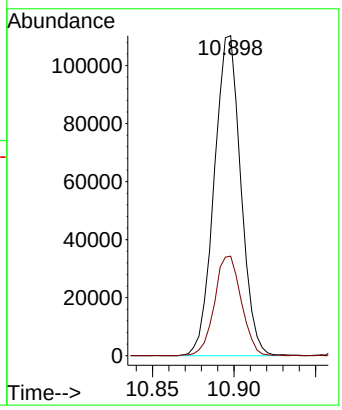




#71
2-Chlorotoluene
Concen: 2.134 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 12503

Ion	Ratio	Lower	Upper
91	100		
126	31.4	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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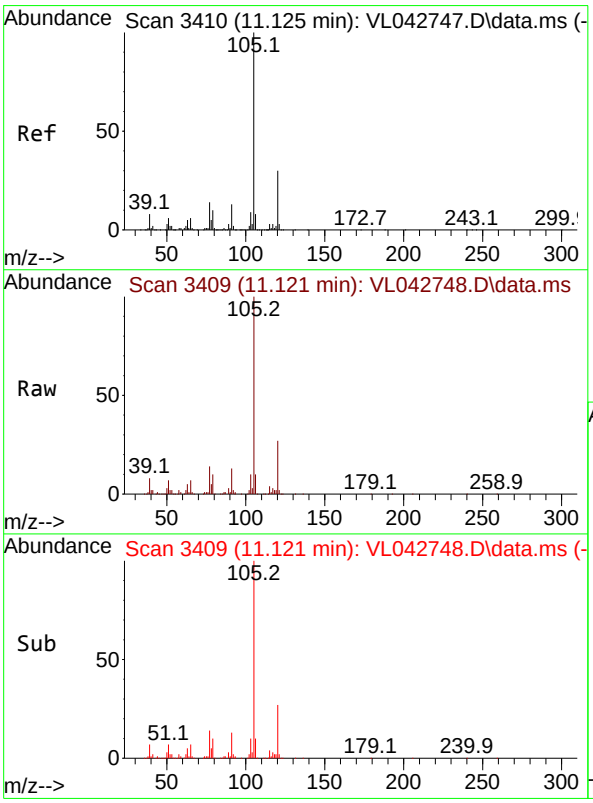
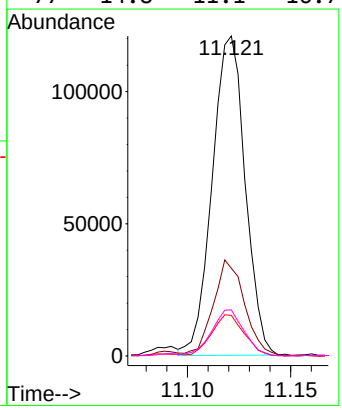
Supervised By :Mahesh Dadoda 07/24/2025

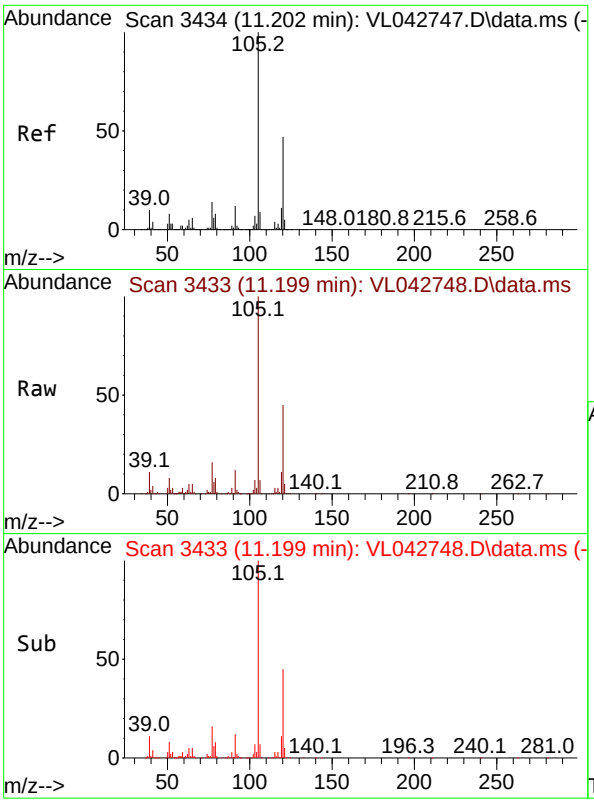


#72
4-Ethyltoluene
Concen: 2.168 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 134097

Ion	Ratio	Lower	Upper
105	100		
120	29.7	24.4	36.6
91	13.7	10.6	15.8
77	14.8	11.1	16.7

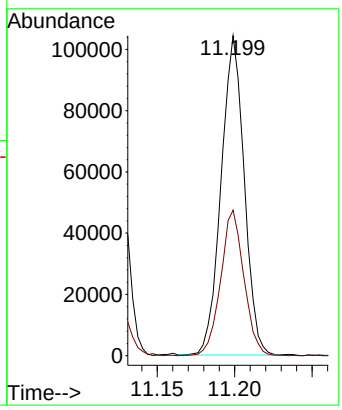




#73
1,3,5-Trimethylbenzene
Concen: 2.122 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 10805

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
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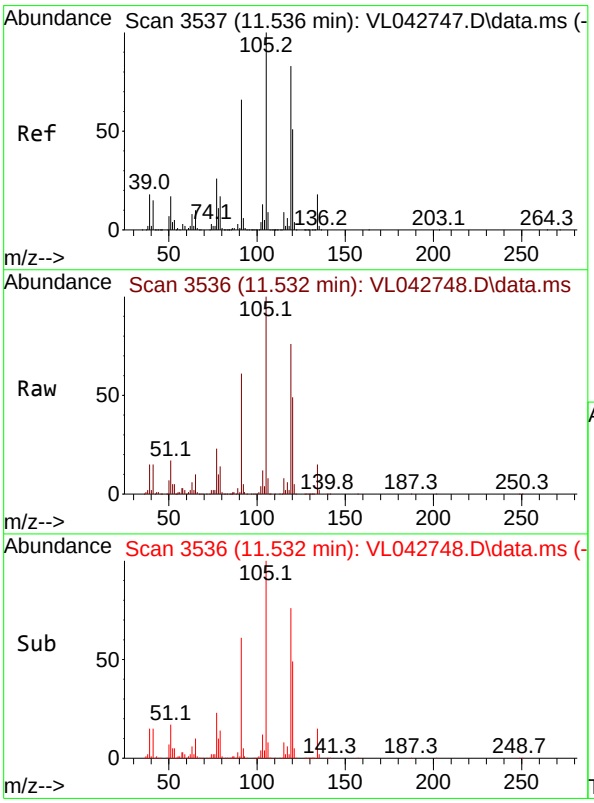
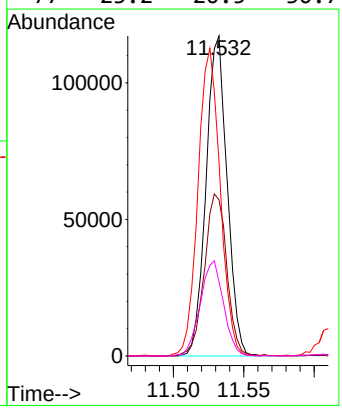
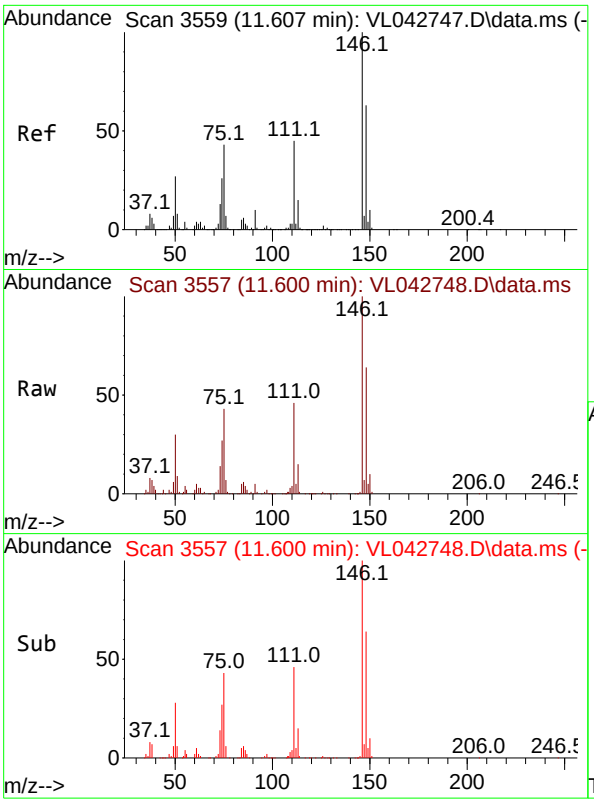


#74
1,2,4-Trimethylbenzene
Concen: 2.201 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 122295

Ion	Ratio	Lower	Upper
105	100		
120	48.6	40.8	61.2
91	60.6	53.0	79.4
77	23.2	20.5	30.7

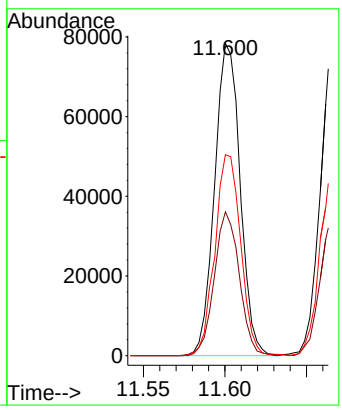




#75
1,3-Dichlorobenzene
Concen: 2.188 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 8525

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	65.2	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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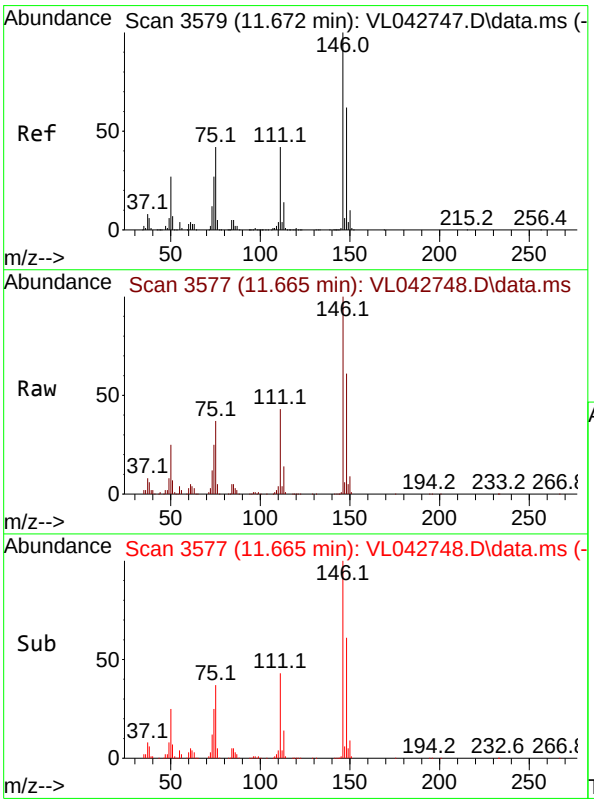
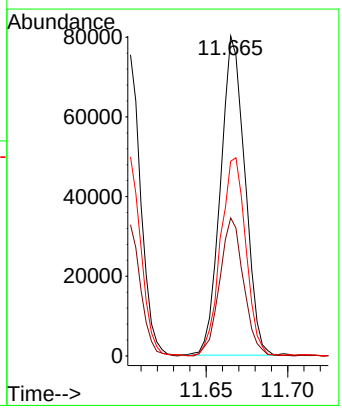
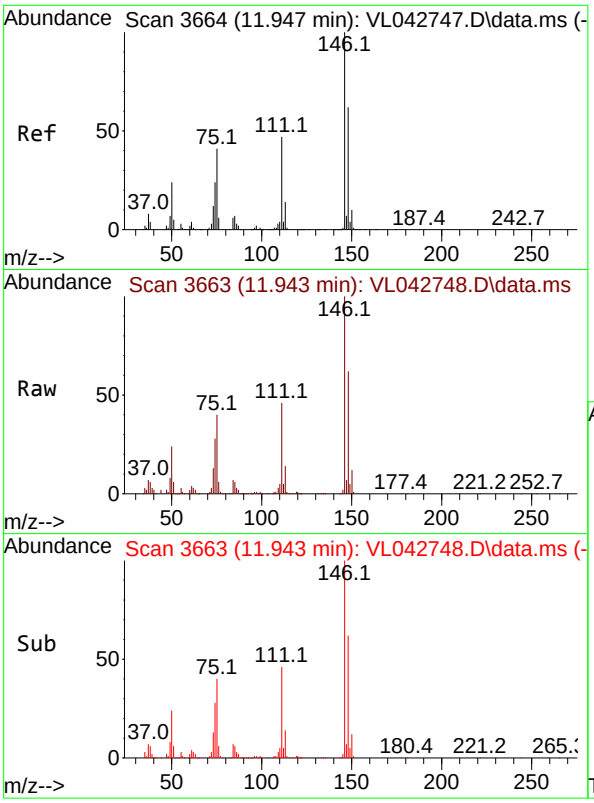


#76
1,4-Dichlorobenzene
Concen: 2.189 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 83440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	64.9	32.1	96.3

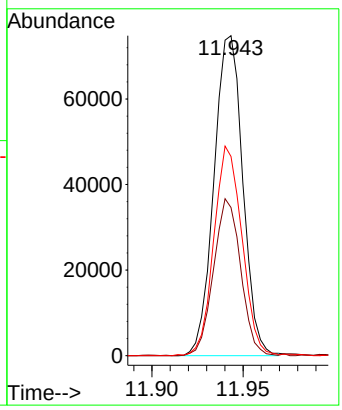




#77
1,2-Dichlorobenzene
Concen: 2.150 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 8231

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.7	71.1
148	64.3	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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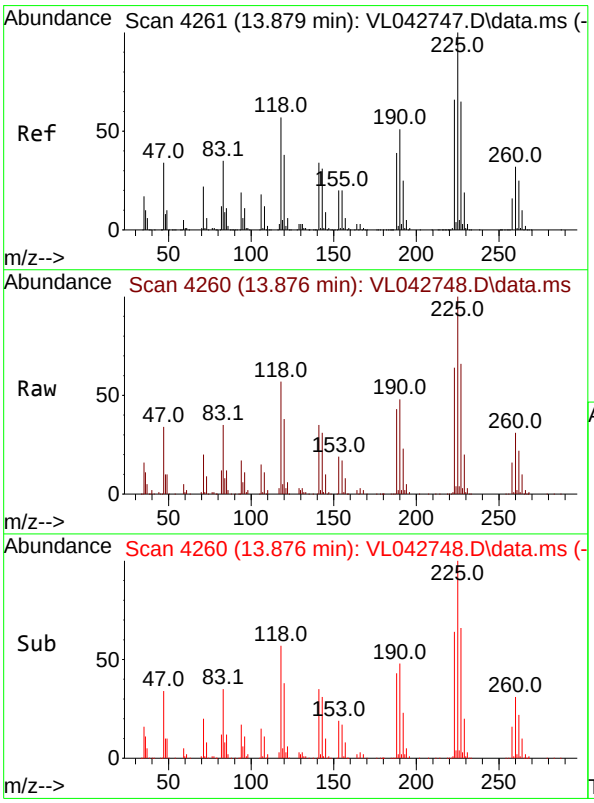
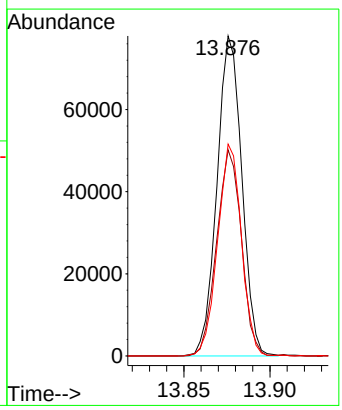
Supervised By :Mahesh Dadoda 07/24/2025

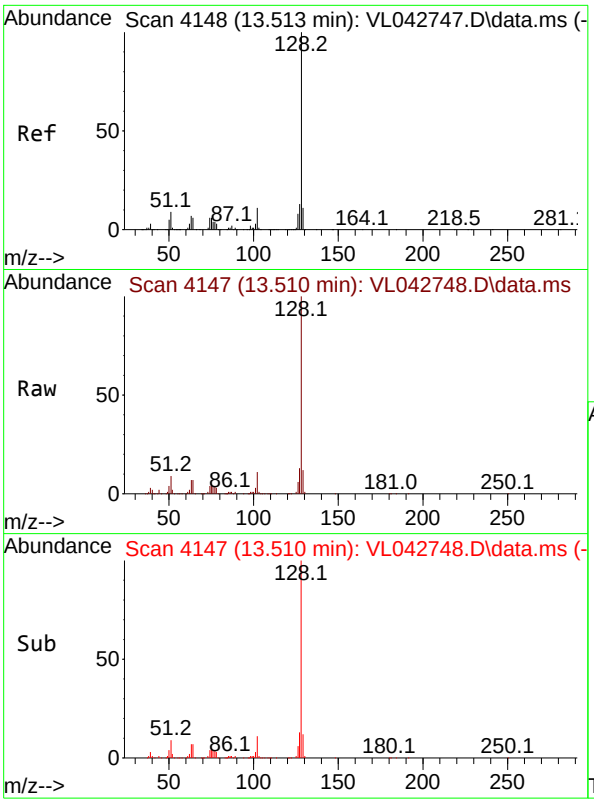


#78
Hexachloro-1,3-Butadiene
Concen: 2.259 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:225 Resp: 78291

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	63.3	50.5	75.7

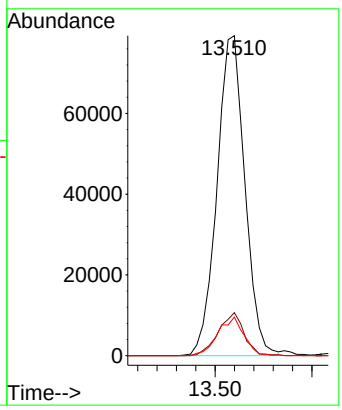




#79
Naphthalene
Concen: 1.690 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:128 Resp: 7919

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.1	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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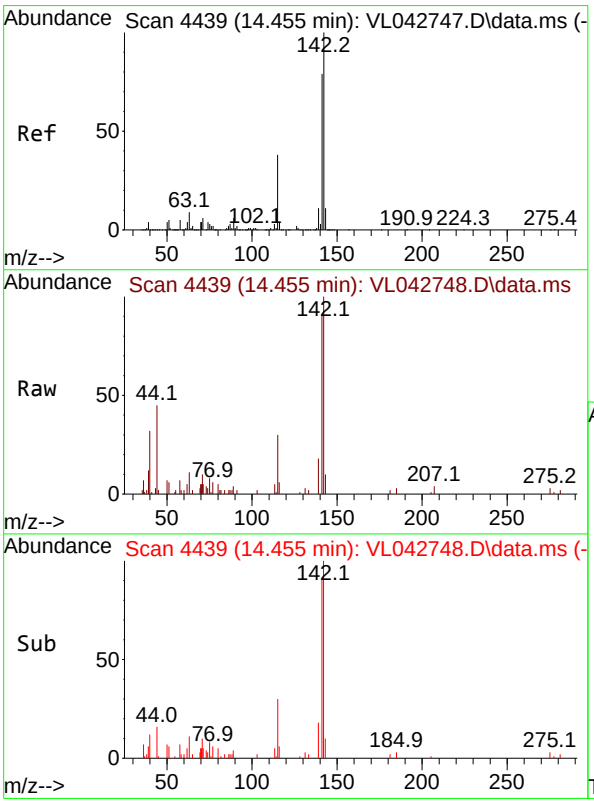
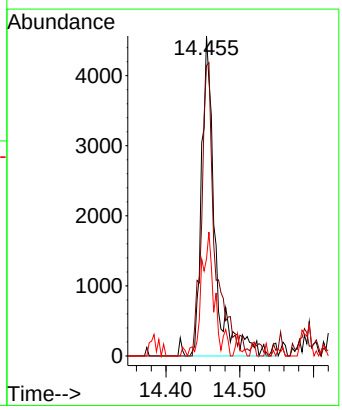
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

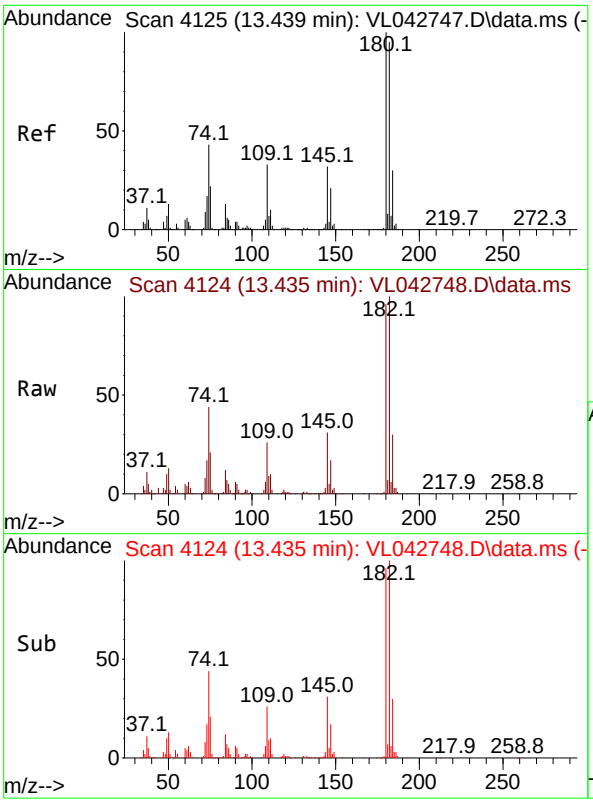


#80
Naphthalene,2-methyl-
Concen: 1.298 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:142 Resp: 5851

Ion	Ratio	Lower	Upper
142	100		
141	94.9	65.8	98.8
115	40.3	31.2	46.8

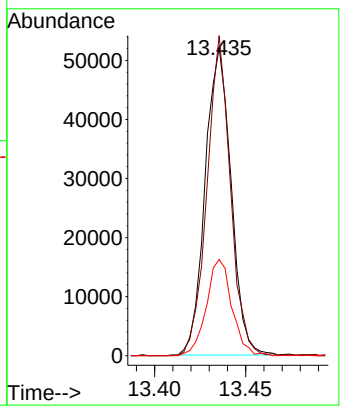




#81
1,2,4-Trichlorobenzene
Concen: 1.888 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:180 Resp: 5151

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	30.9	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	156293	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	459770	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410018	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	327673	10.091	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	20935	1.013	ppbv		93
3) Chlorodifluoromethane	1.473	51	27459	1.020	ppbv		99
4) Chloromethane	1.531	50	9047	1.082	ppbv		96
5) Vinyl Chloride	1.580	62	7432	0.900	ppbv		96
6) Bromomethane	1.667	94	3743	1.172	ppbv	#	71
7) Chloroethane	1.703	64	3061	0.959	ppbv		99
8) Dichlorotetrafluoroethane	1.551	85	17668	1.040	ppbv		98
9) Propene	1.483	41	10346	1.057	ppbv		95
10) Heptane	4.975	43	26137m	0.993	ppbv		
11) Trichlorofluoromethane	1.874	101	22428	1.053	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.136	101	16608	1.026	ppbv		97
13) Ethanol	1.719	45	1620m	1.222	ppbv		
14) Bromoethene	1.780	108	5928	1.034	ppbv	#	92
15) Acetone	1.832	43	23119	1.071	ppbv		94
16) 1,3-Butadiene	1.606	39	9416	1.023	ppbv		98
17) tert-Butyl alcohol	2.039	59	19926	1.024	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	8276	1.132	ppbv		95
19) Isopropyl Alcohol	1.884	45	11942	1.041	ppbv	#	42
20) Methylene Chloride	2.059	84	7153	1.052	ppbv		90
21) Allyl Chloride	2.091	41	13382	1.006	ppbv		92
22) trans-1,2-Dichloroethene	2.337	96	7909	1.007	ppbv		89
23) Vinyl Acetate	2.457	43	23472	0.897	ppbv	#	91
24) 1,1-Dichloroethane	2.405	63	17459	1.081	ppbv		99
25) Ethyl Acetate	2.829	43	48790	1.021	ppbv		97
26) Hexane	2.823	57	22279	1.063	ppbv		98
27) Carbon Disulfide	2.146	76	18488	1.031	ppbv	#	1
28) Methyl tert-Butyl Ether	2.434	73	9587	0.968	ppbv		90
29) Chloroform	2.845	83	32880	1.015	ppbv		95
30) Cyclohexane	3.852	84	17824	1.003	ppbv		97
31) cis-1,2-Dichloroethene	2.716	61	21979	1.021	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	32003	0.949	ppbv		97
34) 2-Butanone	2.554	43	32783	1.007	ppbv		98
35) Carbon Tetrachloride	3.758	117	32610	0.954	ppbv		92
36) Benzene	3.651	78	44638	1.024	ppbv		98
37) 1,2-Dichloroethane	3.211	62	26909	1.025	ppbv	#	96
38) Trichloroethene	4.538	130	21122	1.005	ppbv		93
39) 1,2-Dichloropropane	4.305	63	16622	1.033	ppbv		94
40) 1,4-Dioxane	4.587	88	7811m	1.030	ppbv		
41) Tetrahydrofuran	3.056	42	16097	0.984	ppbv		97
42) Bromodichloromethane	4.480	83	34995m	1.023	ppbv		
43) Methyl Methacrylate	4.868	69	14886m	0.961	ppbv		
44) 2,2,4-Trimethylpentane	4.629	57	72865	1.026	ppbv		99
45) t-1,3-Dichloropropene	6.399	75	15641m	0.900	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	21088m	0.958	ppbv		
47) 1,1,2-Trichloroethane	6.574	97	17646	1.029	ppbv	#	82
48) Dibromochloromethane	7.380	129	26259	0.965	ppbv		99
49) Bromoform	9.474	173	23083	0.973	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	41715m	1.006	ppbv		
51) 2-Hexanone	7.435	43	29761	0.939	ppbv	#	100
52) Tetrachloroethene	8.215	164	18131	1.001	ppbv		96
53) Toluene	6.927	91	45645	0.976	ppbv		98
54) 1,2-Dibromoethane	7.642	107	24427	1.007	ppbv		85
56) 1,1,1,2-Tetrachloroethane	8.920	131	21319	1.000	ppbv		94
57) Chlorobenzene	8.911	112	41788	1.053	ppbv	#	85
58) Ethyl Benzene	9.351	91	63467	0.980	ppbv		98
59) m/p-Xylene	9.545	91	104545m	2.020	ppbv		
60) o-Xylene	9.959	91	52499	1.015	ppbv		99
61) Styrene	9.865	104	20313	0.934	ppbv		97
62) Isopropylbenzene	10.532	105	77278	1.013	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.956	83	32591	0.967	ppbv		100
64) n-propylbenzene	10.985	120	20073	1.009	ppbv		95
65) tert-Butylbenzene	11.526	119	68428	1.010	ppbv		95
66) Benzyl Chloride	11.610	91	4700	0.845	ppbv		96
67) sec-Butylbenzene	11.762	105	101458	1.053	ppbv		99
69) p-Isopropyltoluene	11.921	119	78186	0.995	ppbv		98
70) n-Butylbenzene	12.277	91	74257	0.978	ppbv		98
71) 2-Chlorotoluene	10.895	91	59193	1.012	ppbv		100
72) 4-Ethyltoluene	11.121	105	61199	0.991	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	48901	0.962	ppbv		99
74) 1,2,4-Trimethylbenzene	11.532	105	55153	0.994	ppbv		97
75) 1,3-Dichlorobenzene	11.600	146	39753	1.022	ppbv		97
76) 1,4-Dichlorobenzene	11.665	146	38018	0.999	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	40835	1.068	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	37228	1.076	ppbv		98
79) Naphthalene	13.510	128	29792	0.907	ppbv		97
80) Naphthalene,2-methyl-	14.449	142	1950	1.184	ppbv	#	78
81) 1,2,4-Trichlorobenzene	13.435	180	21929	1.053	ppbv		98

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

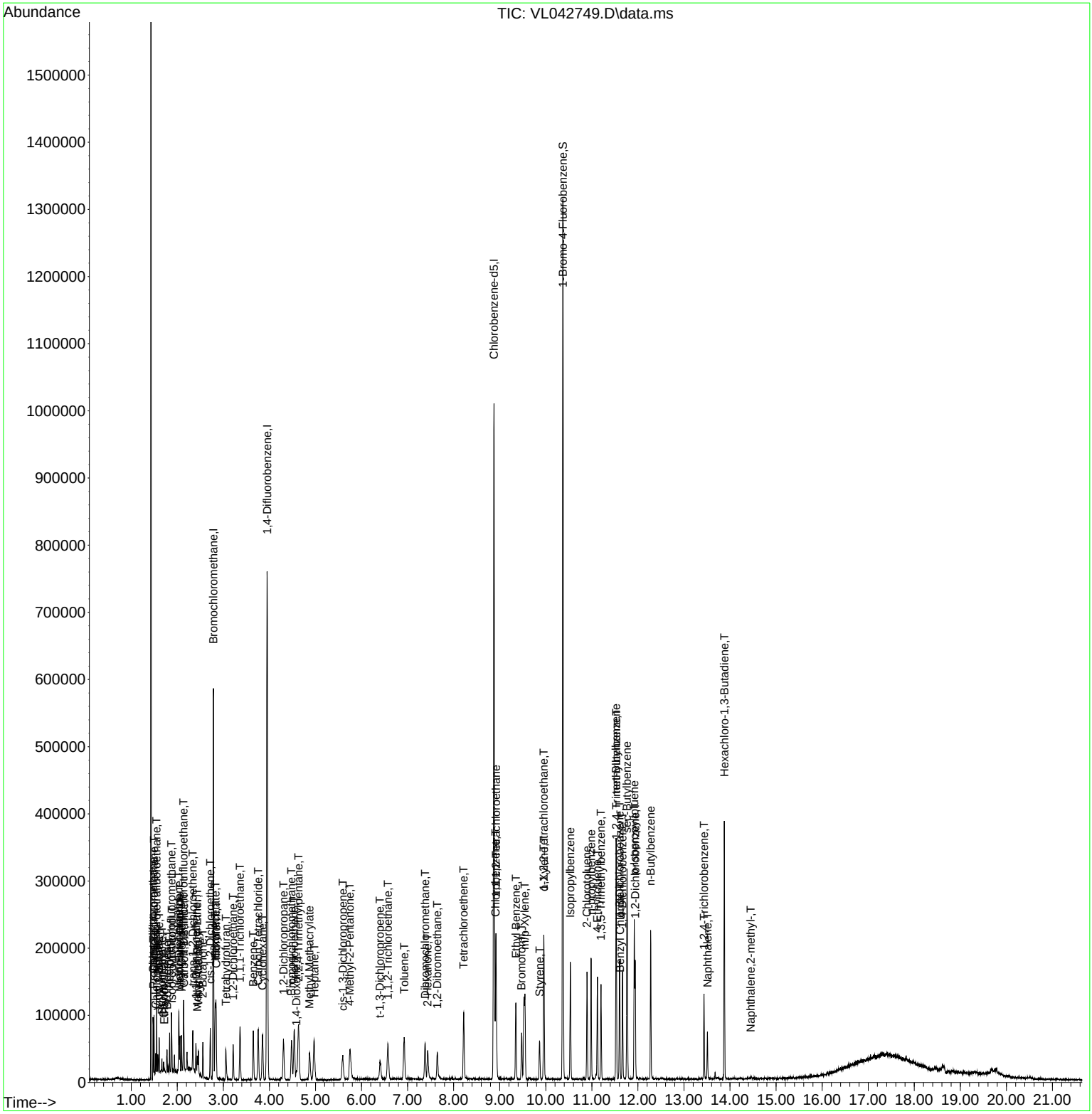
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

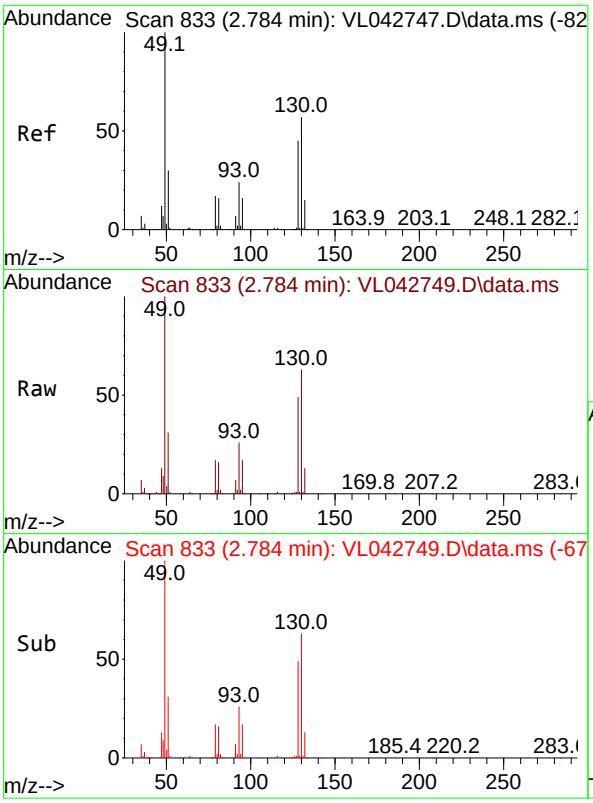
Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

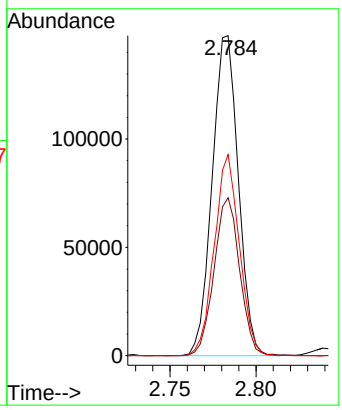




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 49 Resp: 15629

Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.6	71.0
130	60.4	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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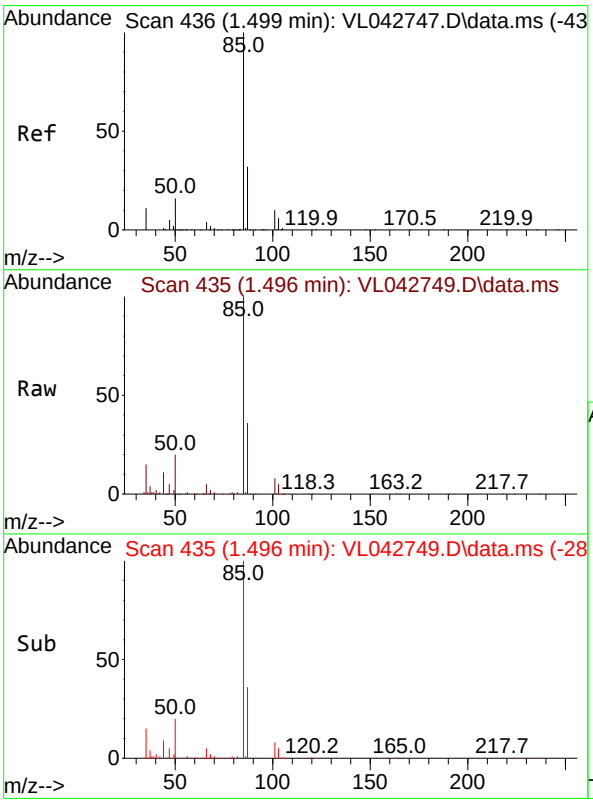
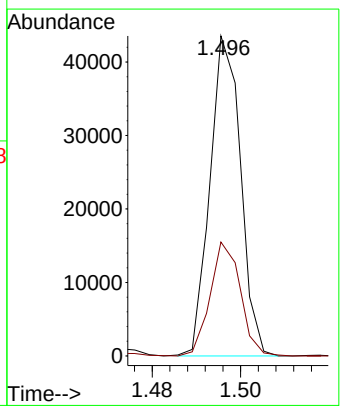
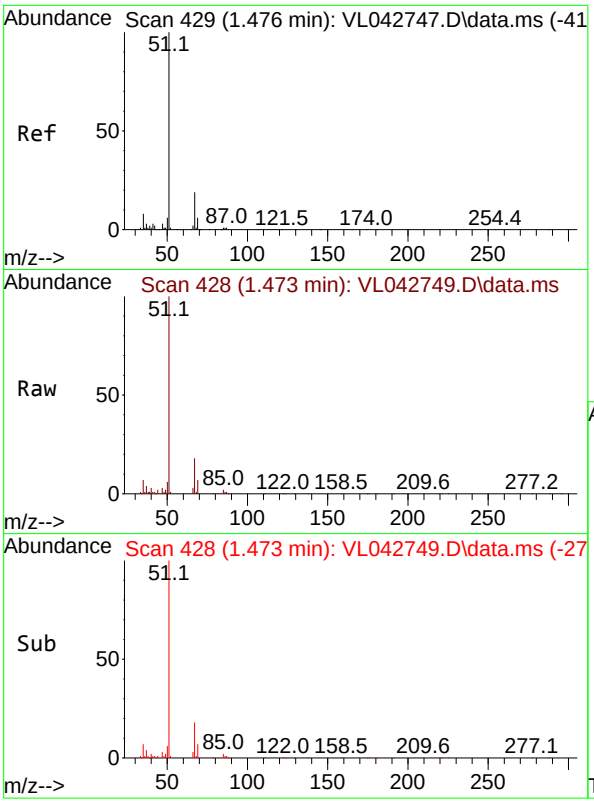


#2
Dichlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 20935

Ion	Ratio	Lower	Upper
85	100		
87	35.6	25.4	38.2

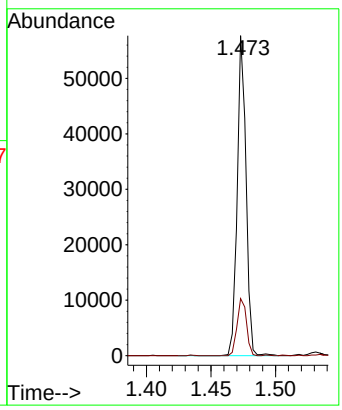




#3
Chlorodifluoromethane
Concen: 1.020 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 51 Resp: 2745

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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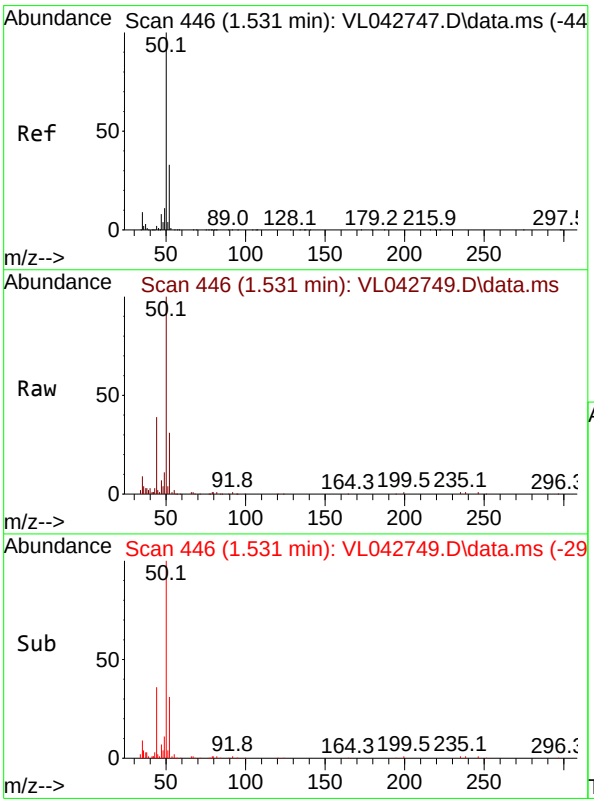
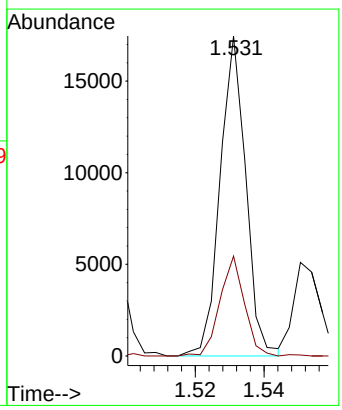
Supervised By :Mahesh Dadoda 07/24/2025

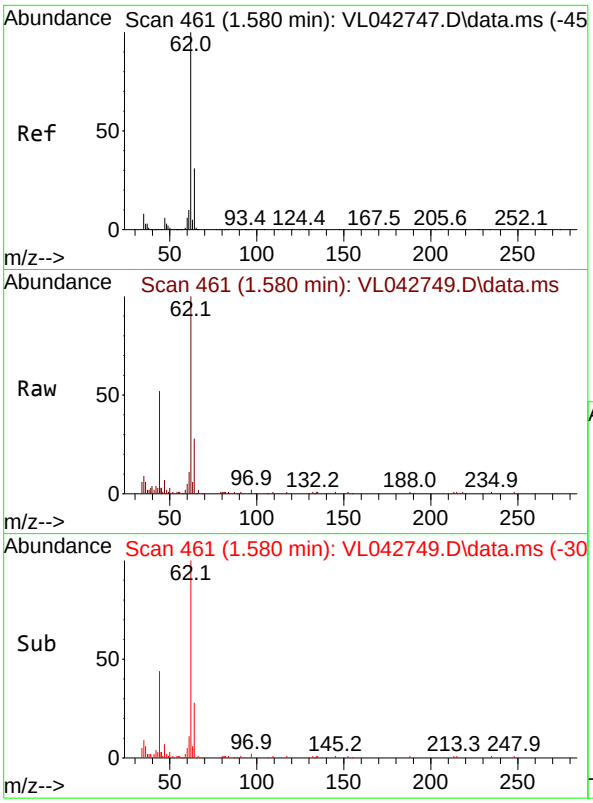


#4
Chloromethane
Concen: 1.082 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 50 Resp: 9047

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.6	40.0

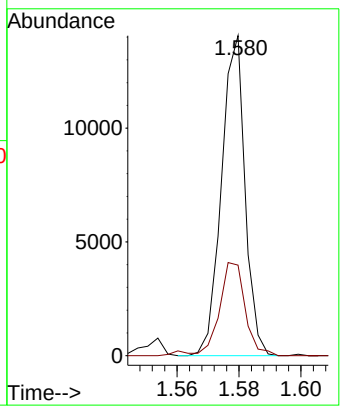




#5
Vinyl Chloride
Concen: 0.900 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 62 Resp: 743

Ion	Ratio	Lower	Upper
62	100		
64	28.3	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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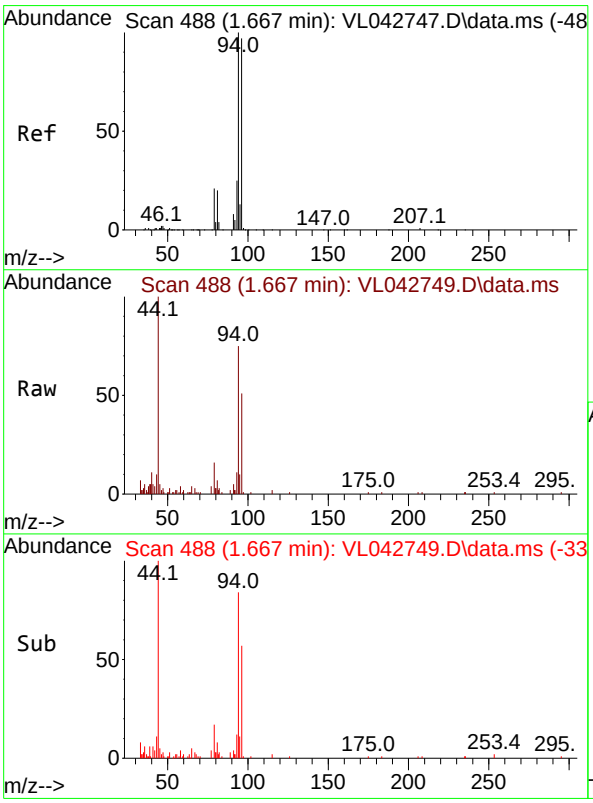
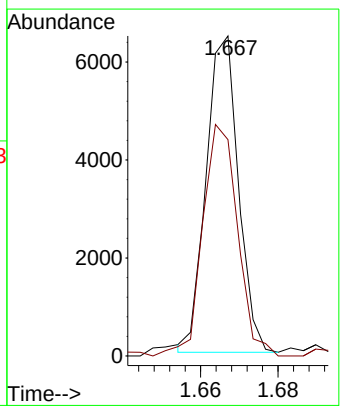
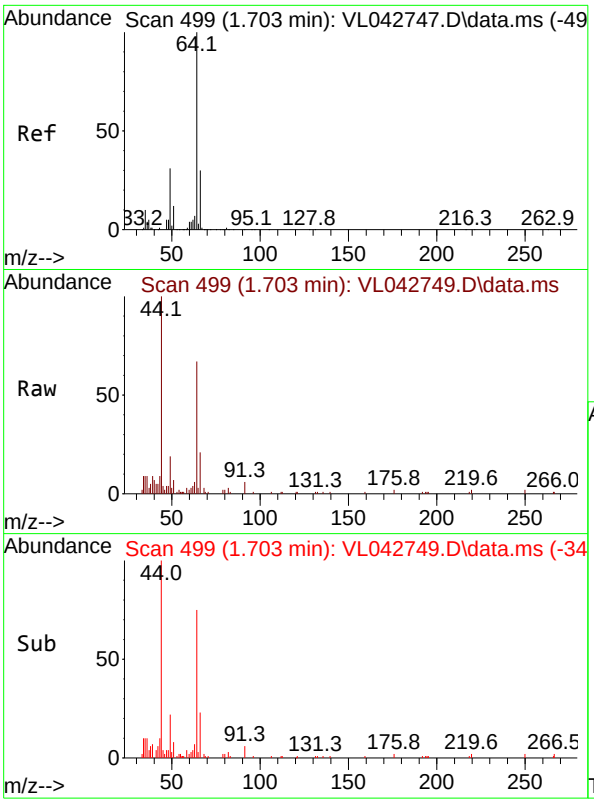


#6
Bromomethane
Concen: 1.172 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 94 Resp: 3743

Ion	Ratio	Lower	Upper
94	100		
96	68.4	77.6	116.4#

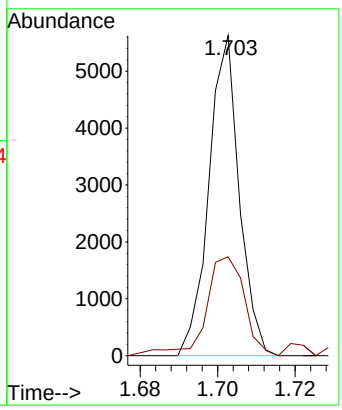




#7
Chloroethane
Concen: 0.959 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 64 Resp: 306

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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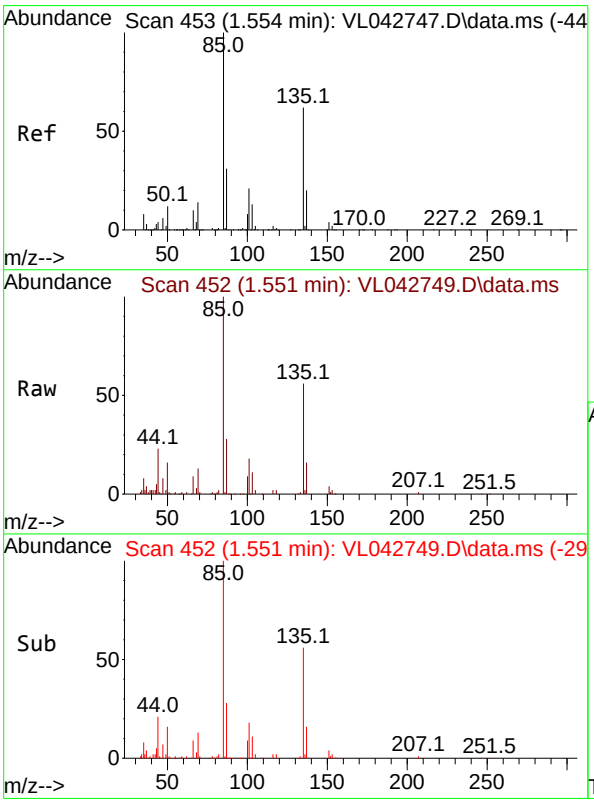
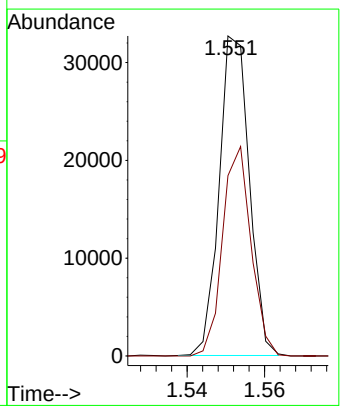
Supervised By :Mahesh Dadoda 07/24/2025

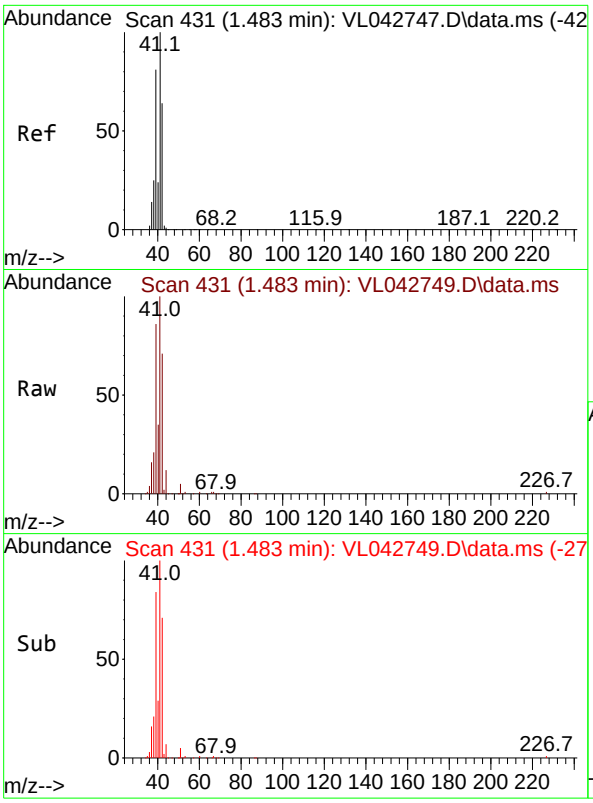


#8
Dichlorotetrafluoroethane
Concen: 1.040 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 17668

Ion	Ratio	Lower	Upper
85	100		
135	62.1	50.6	76.0

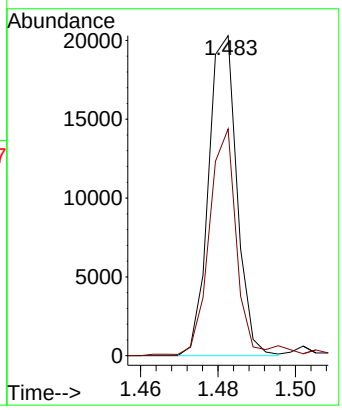




#9
Propene
Concen: 1.057 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 41 Resp: 1034

Ion	Ratio	Lower	Upper
41	100		
42	70.5	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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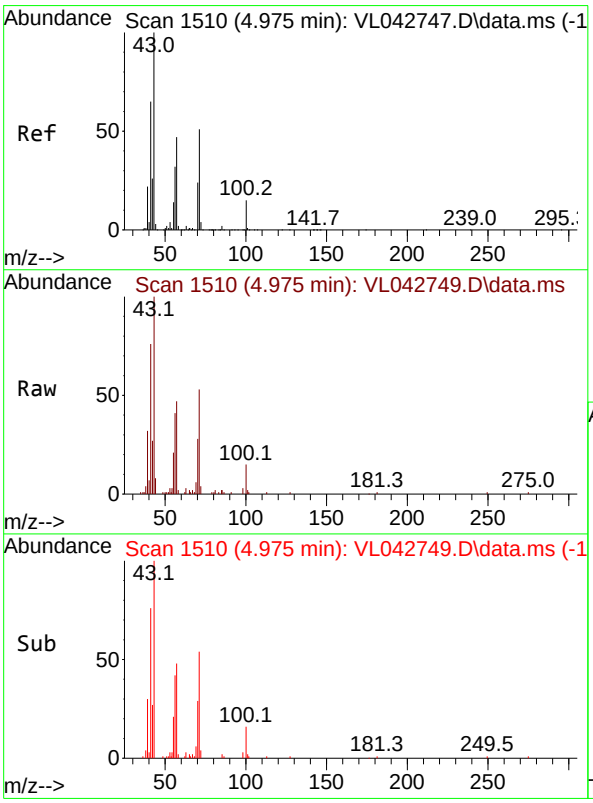
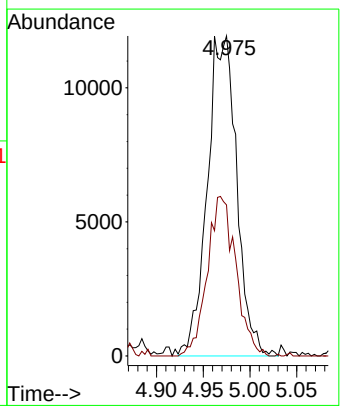
Supervised By :Mahesh Dadoda 07/24/2025

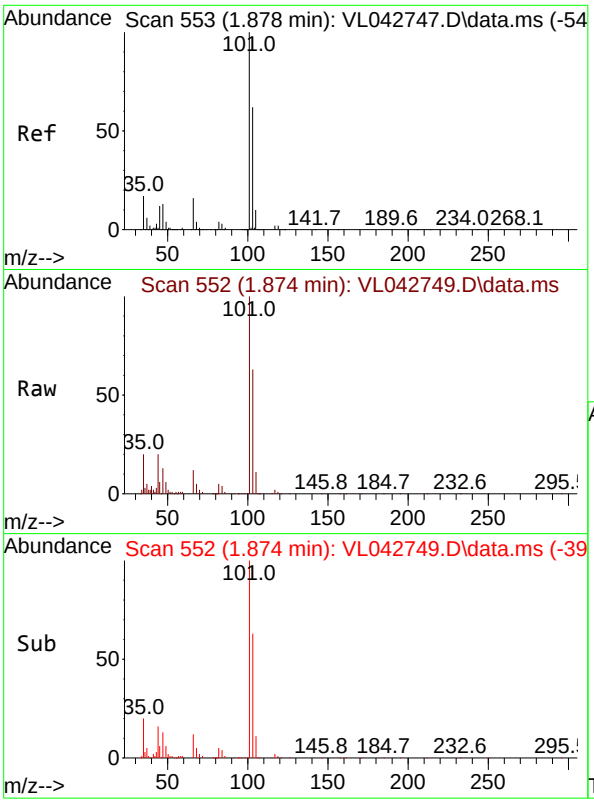


#10
Heptane
Concen: 0.993 ppbv m
RT: 4.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 26137

Ion	Ratio	Lower	Upper
43	100		
57	48.5	39.9	59.9

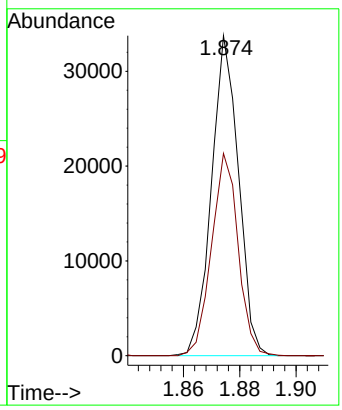




#11
Trichlorofluoromethane
Concen: 1.053 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 2242

Ion	Ratio	Lower	Upper
101	100		
103	63.2	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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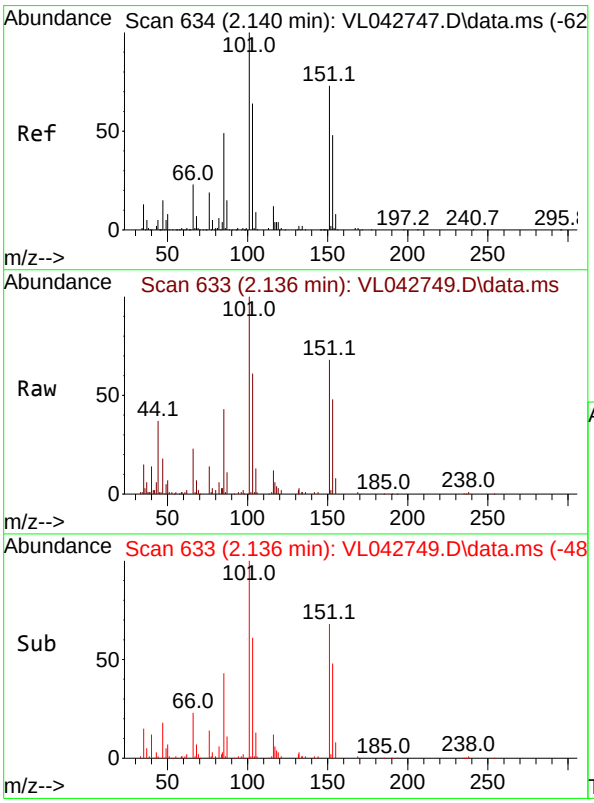
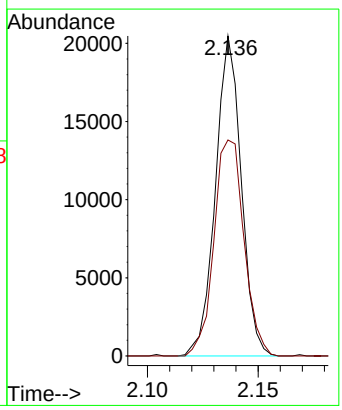
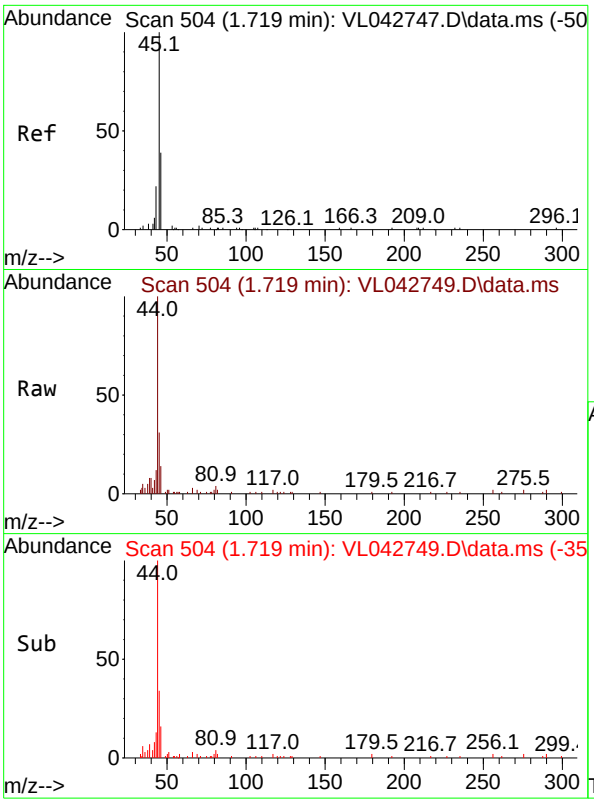


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.026 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 16608

Ion	Ratio	Lower	Upper
101	100		
151	78.6	60.5	90.7

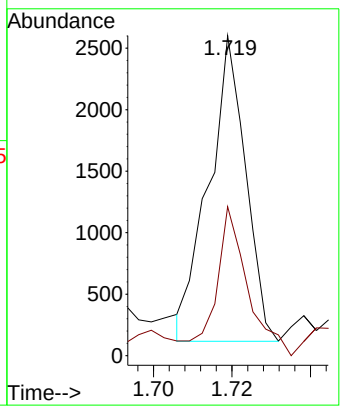




#13
Ethanol
Concen: 1.222 ppbv m
RT: 1.719 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 45 Resp: 162(

Ion	Ratio	Lower	Upper
45	100		
46	38.4	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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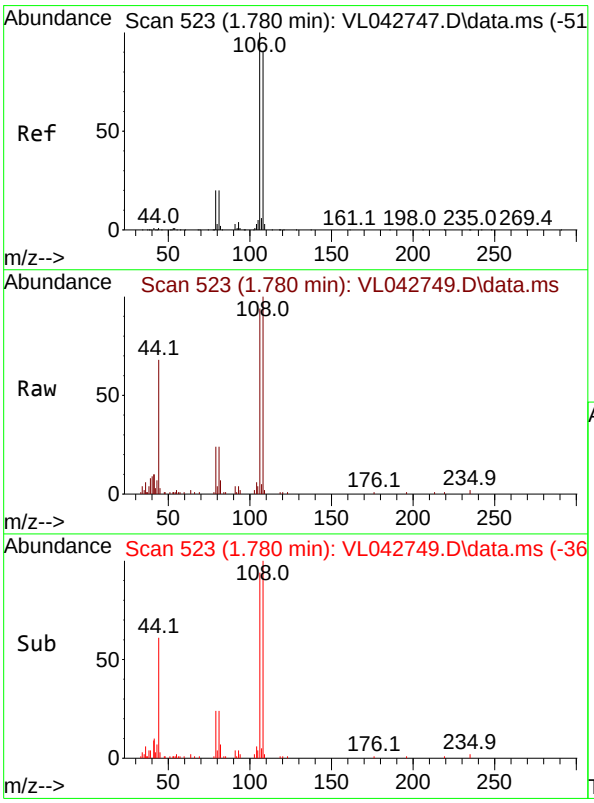
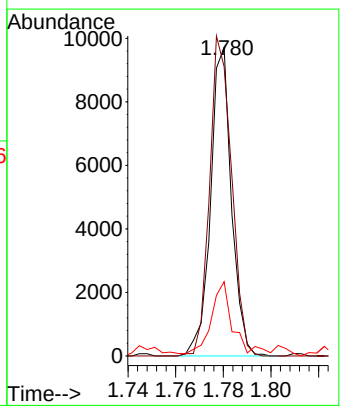
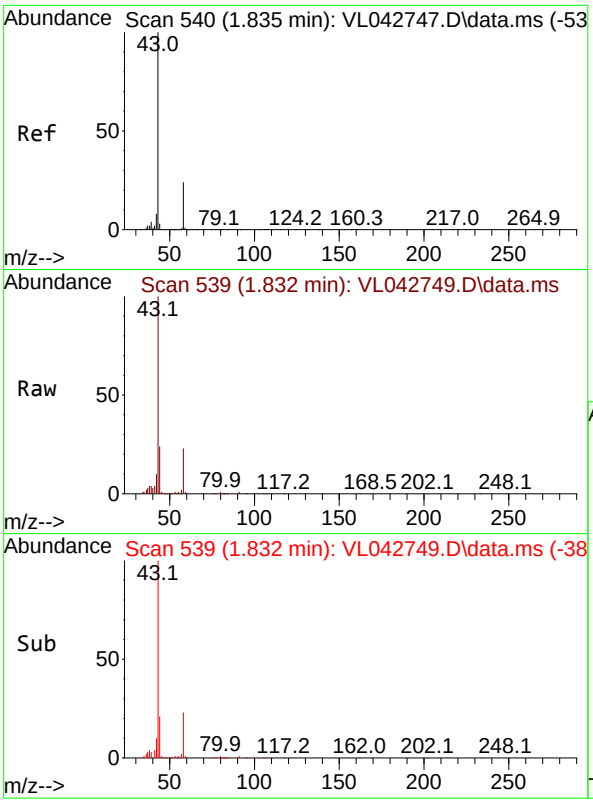


#14
Bromoethene
Concen: 1.034 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:108 Resp: 5928

Ion	Ratio	Lower	Upper
108	100		
106	108.7	84.7	127.1
79	38.6	17.4	26.2#

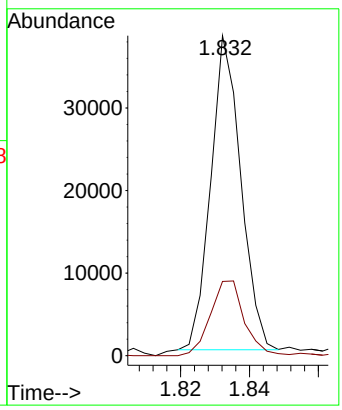




#15
Acetone
Concen: 1.071 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 2311

Ion	Ratio	Lower	Upper
43	100		
58	27.7	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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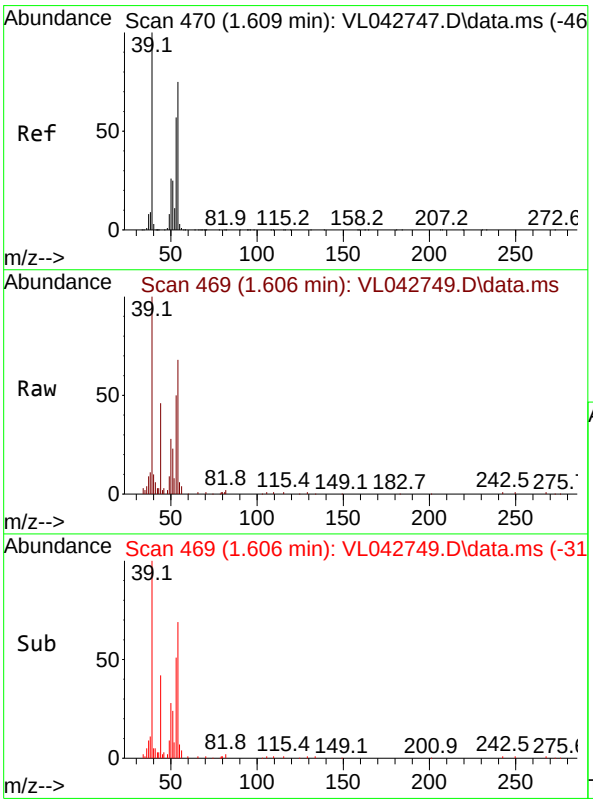
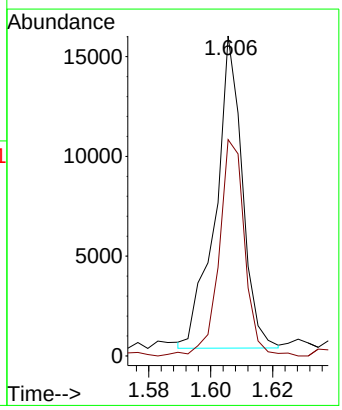
Supervised By :Mahesh Dadoda 07/24/2025

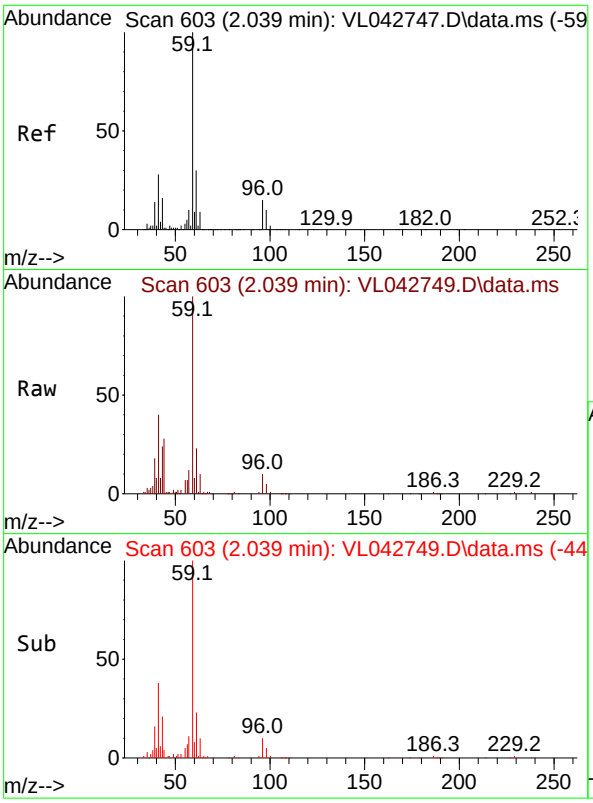


#16
1,3-Butadiene
Concen: 1.023 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 39 Resp: 9416

Ion	Ratio	Lower	Upper
39	100		
54	69.7	54.5	81.7

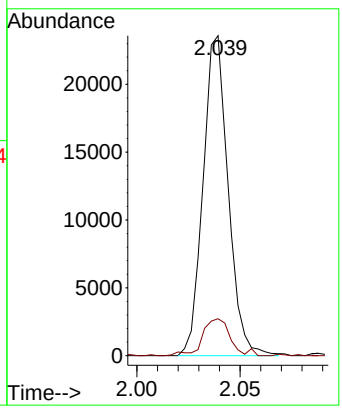




#17
tert-Butyl alcohol
Concen: 1.024 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 59 Resp: 1992

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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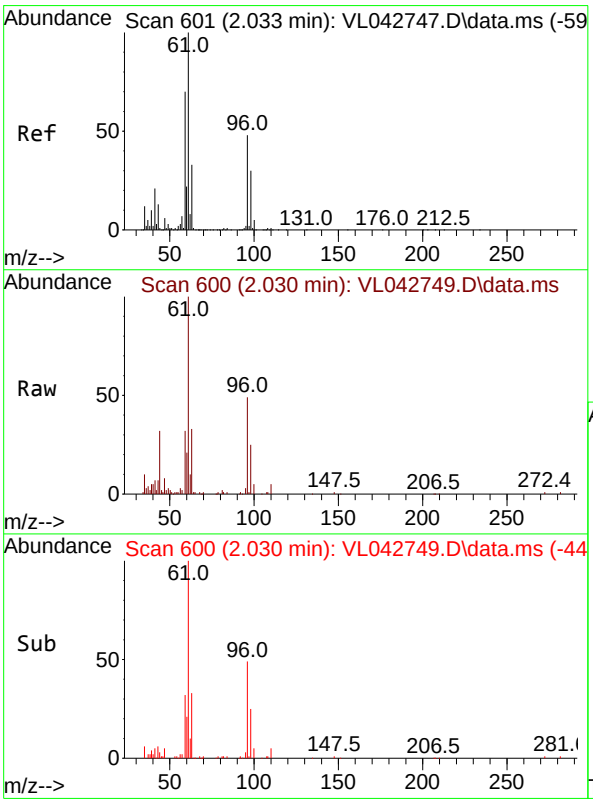
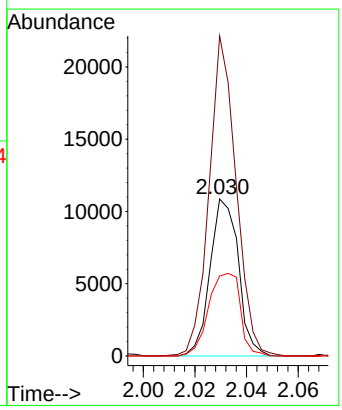
Supervised By :Mahesh Dadoda 07/24/2025

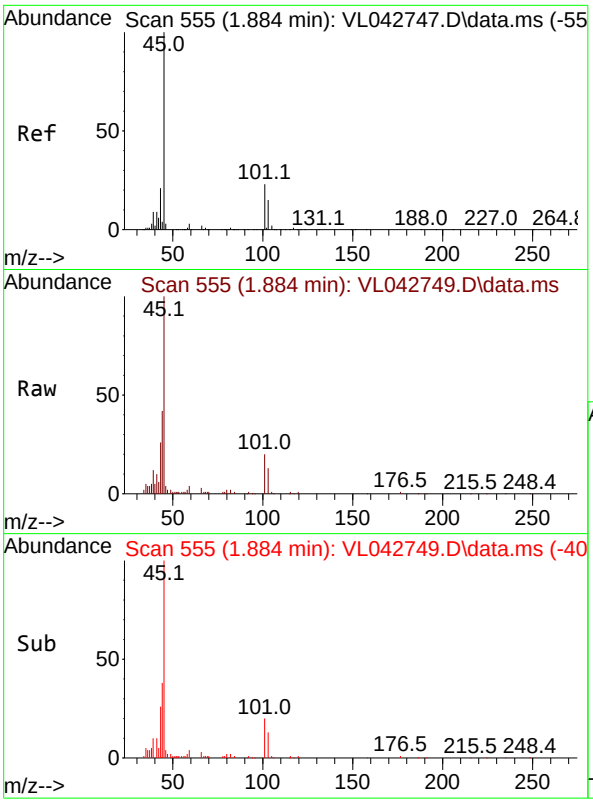


#18
1,1-Dichloroethene
Concen: 1.132 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 8276

Ion	Ratio	Lower	Upper
96	100		
61	203.0	165.8	248.6
98	51.0	49.9	74.9

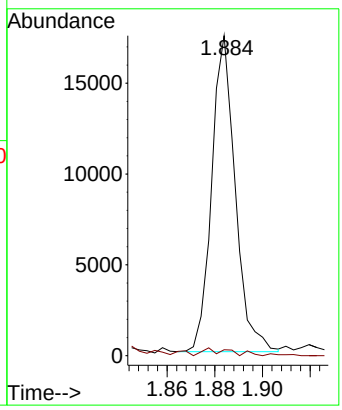




#19
Isopropyl Alcohol
Concen: 1.041 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 45 Resp: 1194

Ion	Ratio	Lower	Upper
45	100		
58	2.8	30.0	45.0#



Instrument :
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ClientSampleId :
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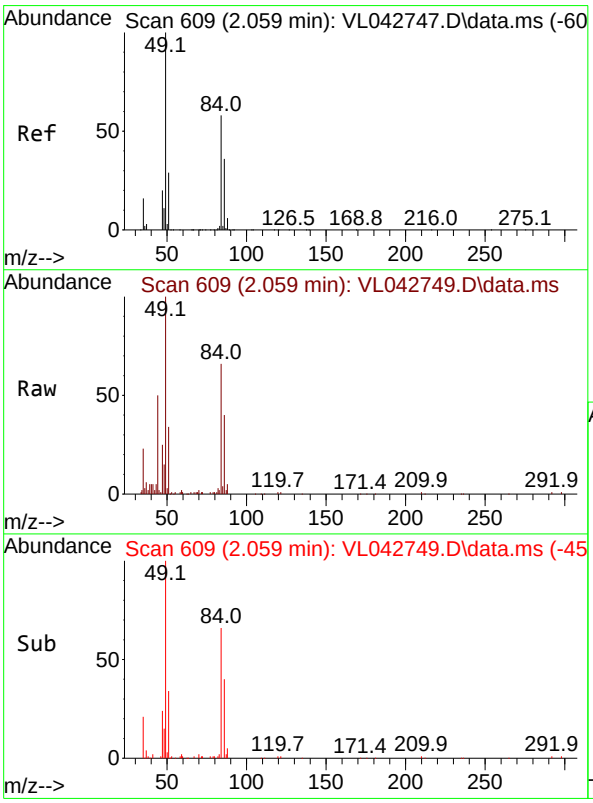
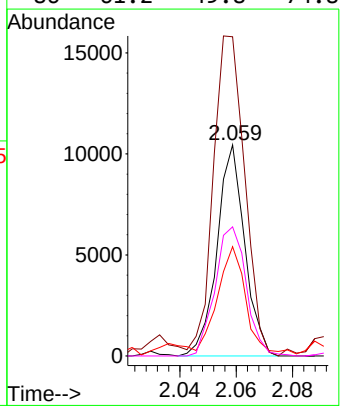
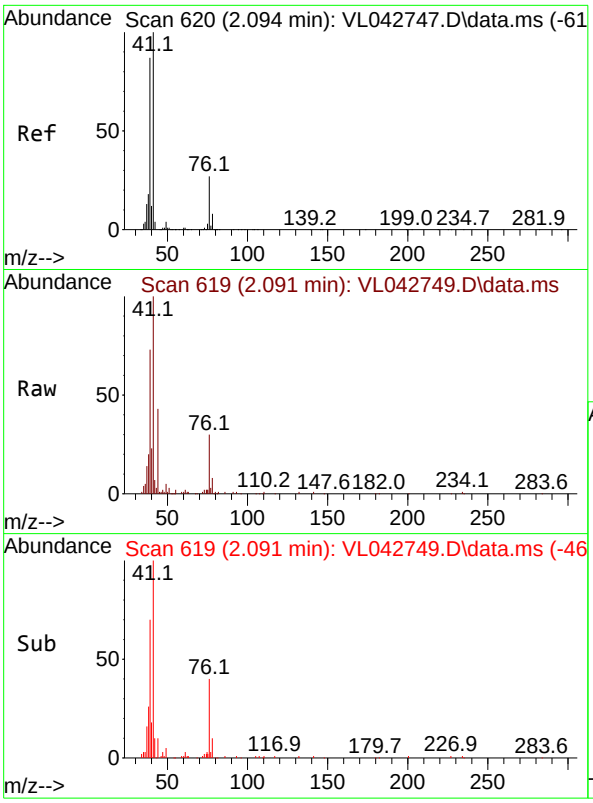


#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 7153

Ion	Ratio	Lower	Upper
84	100		
49	151.3	138.6	208.0
51	50.2	40.6	61.0
86	61.2	49.8	74.8

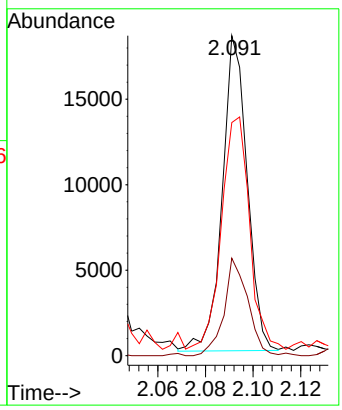




#21
Allyl Chloride
Concen: 1.006 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 41 Resp: 1338

Ion	Ratio	Lower	Upper
41	100		
76	30.1	21.1	31.7
39	93.4	68.3	102.5



Instrument :
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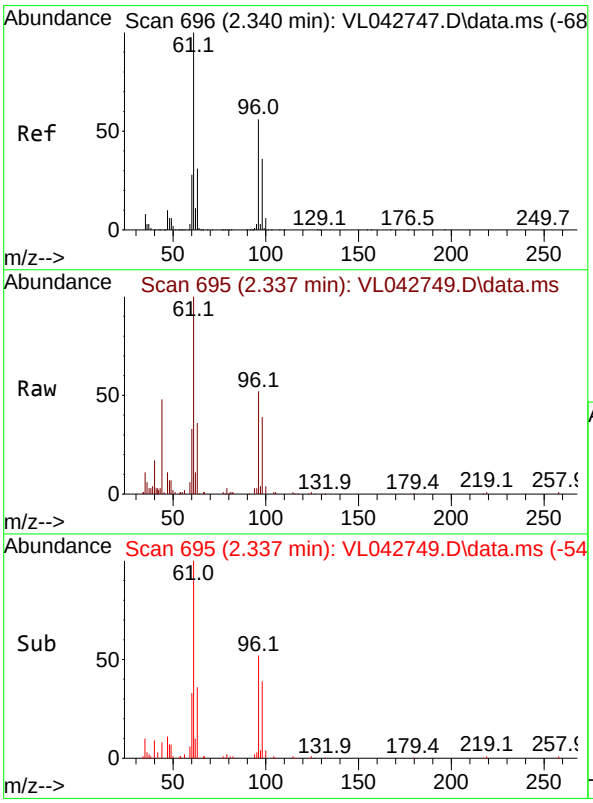
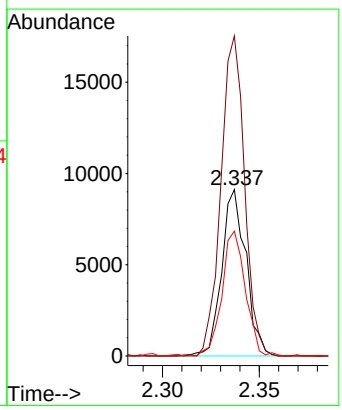
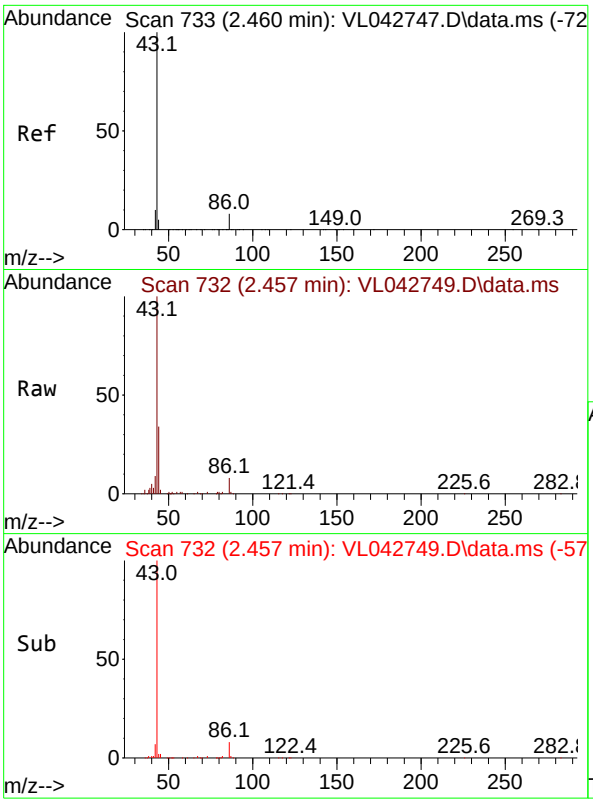


#22
trans-1,2-Dichloroethene
Concen: 1.007 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 7909

Ion	Ratio	Lower	Upper
96	100		
61	192.3	142.3	213.5
98	74.2	50.6	76.0

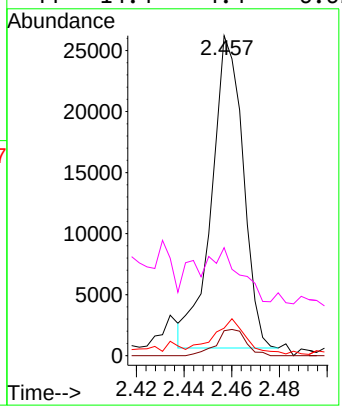




#23
Vinyl Acetate
Concen: 0.897 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 2347

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	7.5	7.8	11.8#
44	14.4	4.4	6.6#



Instrument :
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ClientSampleId :
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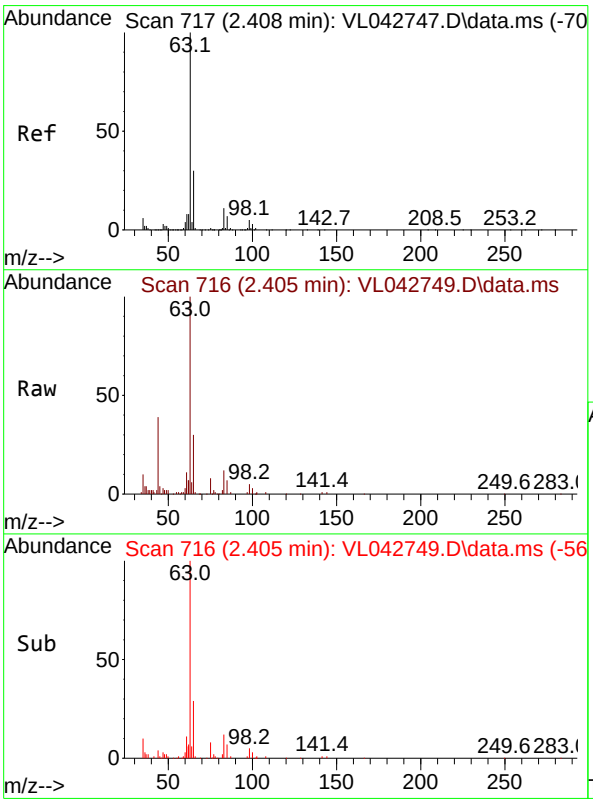
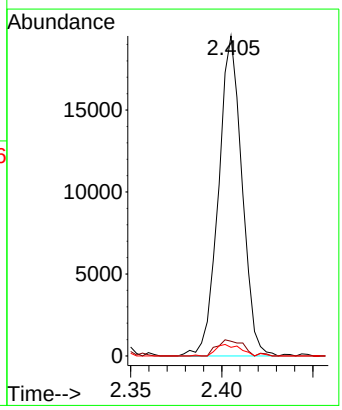
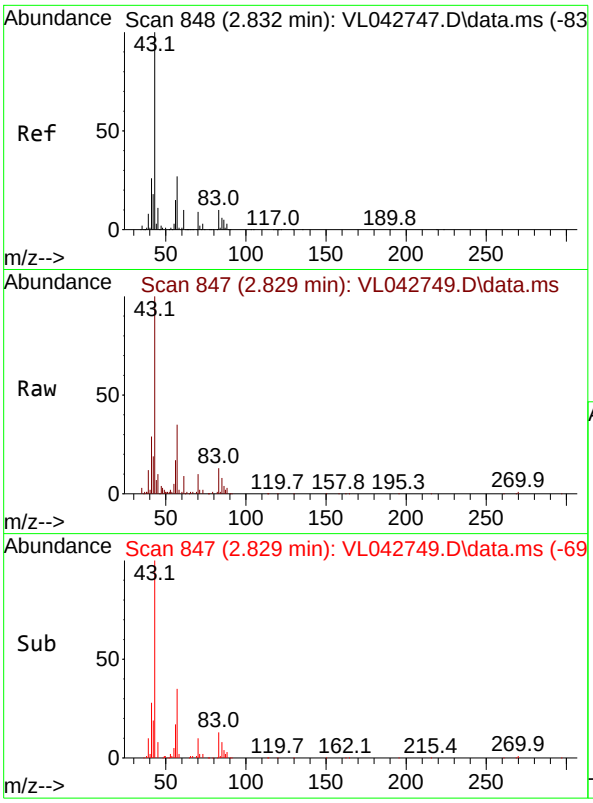


#24
1,1-Dichloroethane
Concen: 1.081 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 63 Resp: 17459

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.4
100	2.7	1.6	4.8

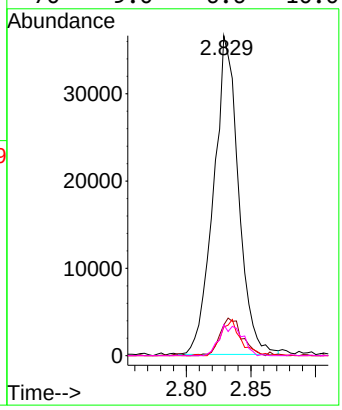




#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 4879

Ion	Ratio	Lower	Upper
43	100		
45	11.3	7.8	11.6
61	9.3	6.7	10.1
70	9.0	6.6	10.0



Instrument :
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ClientSampleId :
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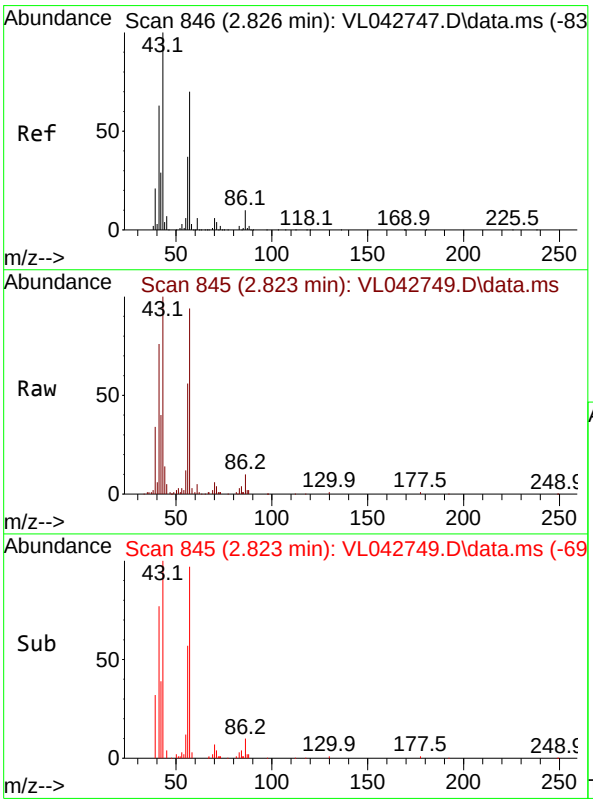
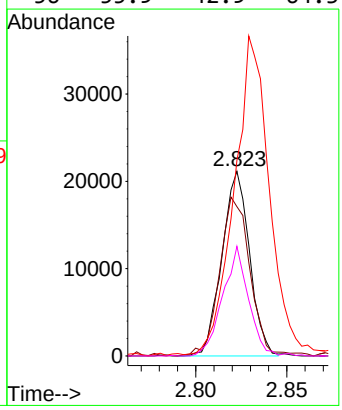
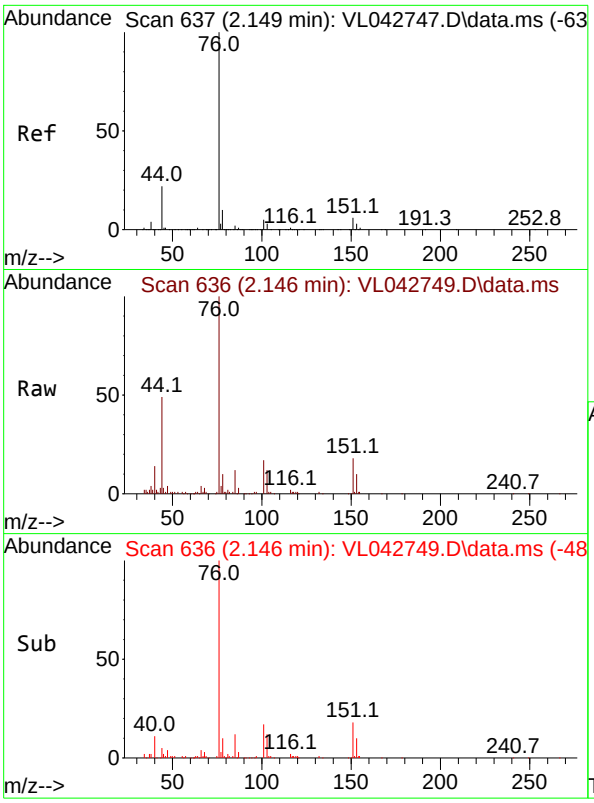


#26
Hexane
Concen: 1.063 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 22279

Ion	Ratio	Lower	Upper
57	100		
41	98.5	75.4	113.2
43	230.7	185.0	277.6
56	55.9	42.9	64.3

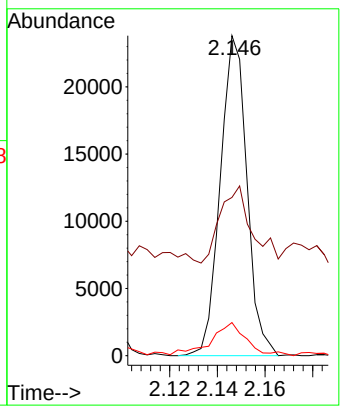




#27
Carbon Disulfide
Concen: 1.031 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 76 Resp: 1848

Ion	Ratio	Lower	Upper
76	100		
44	115.6	19.3	28.9#
78	14.9	9.9	14.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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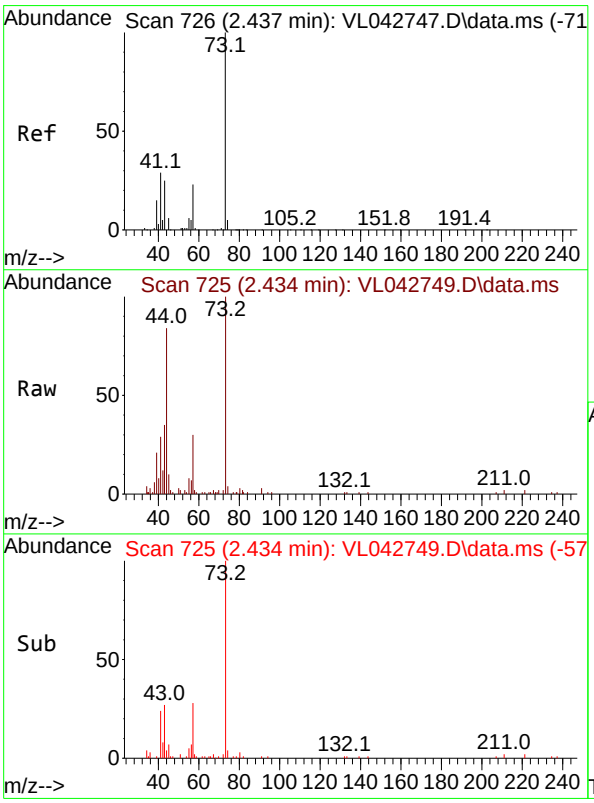
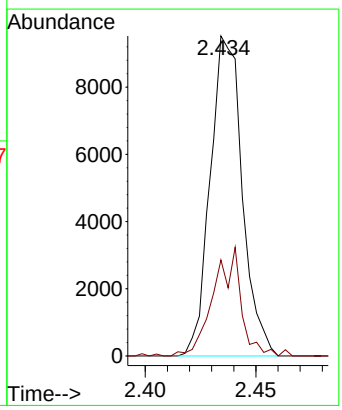
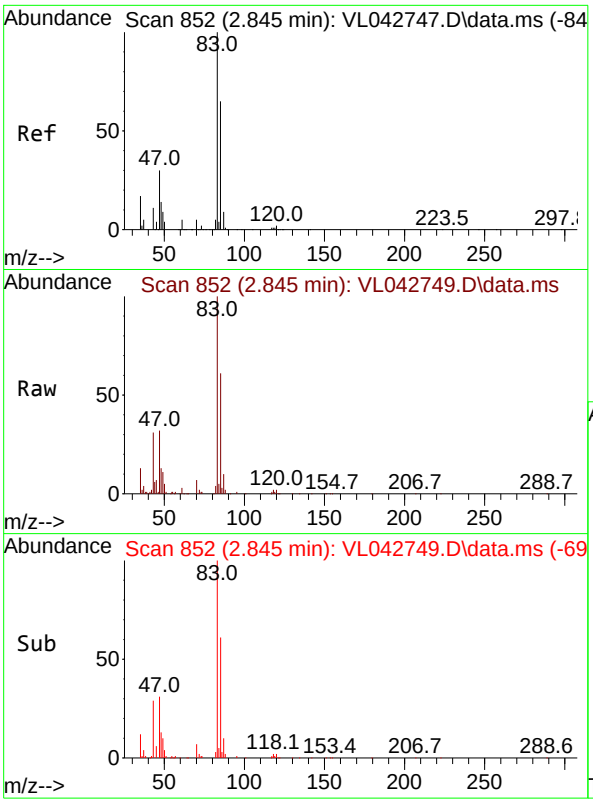


#28
Methyl tert-Butyl Ether
Concen: 0.968 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 73 Resp: 9587

Ion	Ratio	Lower	Upper
73	100		
57	29.7	19.8	29.8

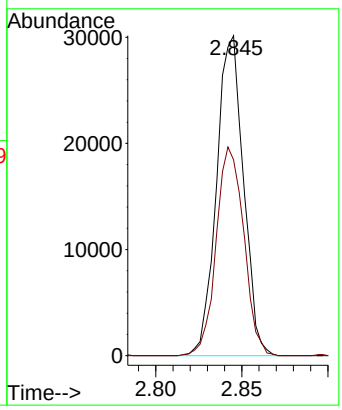




#29
Chloroform
Concen: 1.015 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 3288

Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.2



Instrument :
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ClientSampleId :
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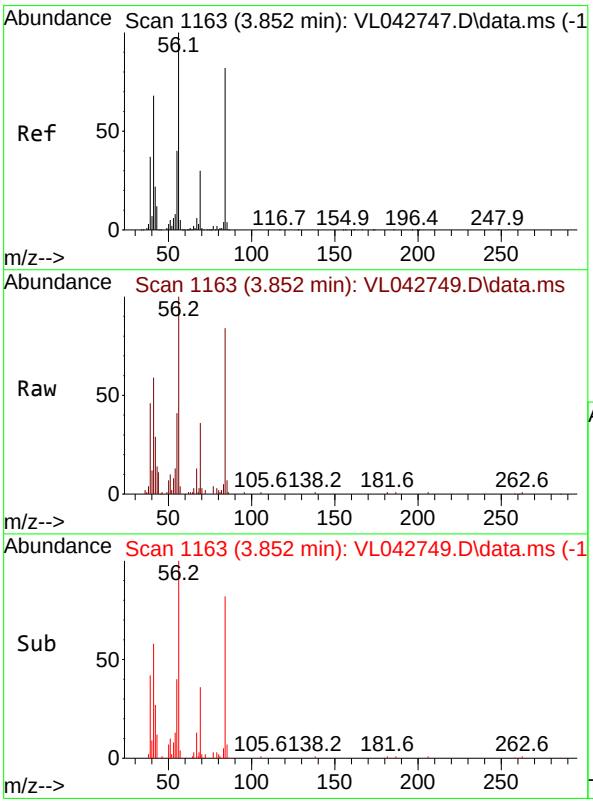
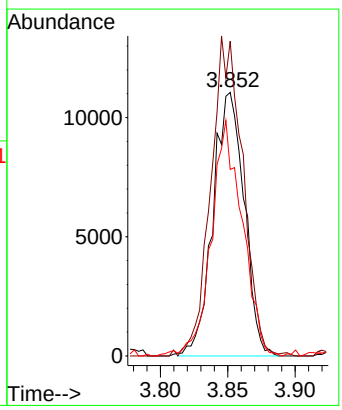
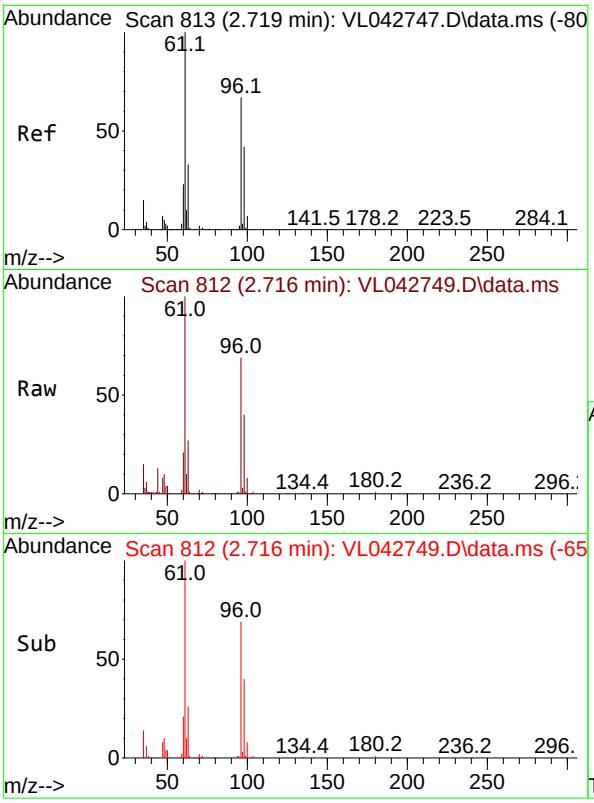


#30
Cyclohexane
Concen: 1.003 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 17824

Ion	Ratio	Lower	Upper
84	100		
56	124.3	97.5	146.3
41	88.5	67.2	100.8

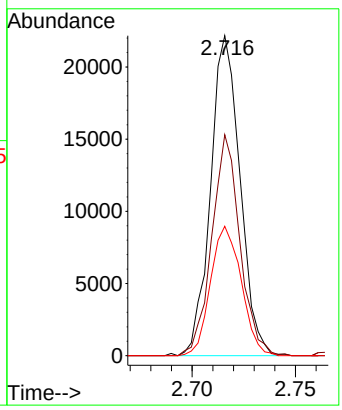




#31
cis-1,2-Dichloroethene
Concen: 1.021 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 61 Resp: 2197

Ion	Ratio	Lower	Upper
61	100		
96	69.0	53.5	80.3
98	40.5	33.6	50.4



Instrument :
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ClientSampleId :
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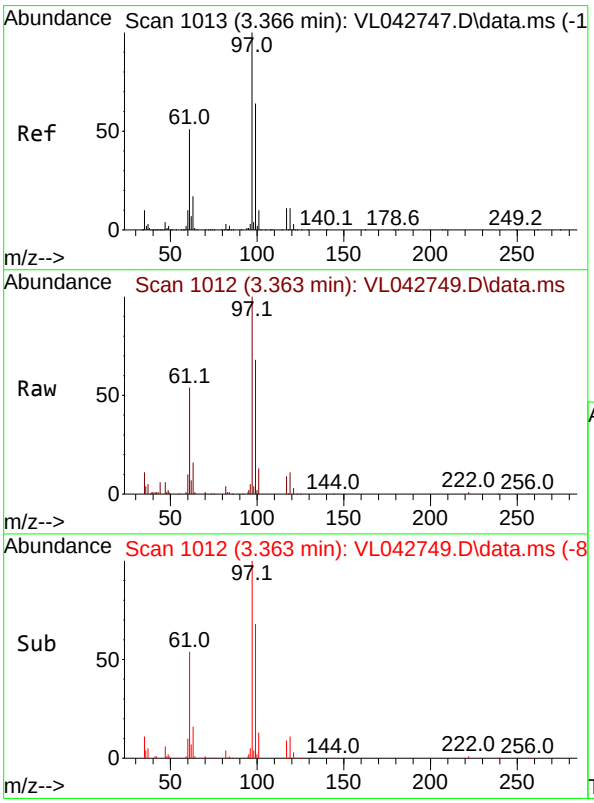
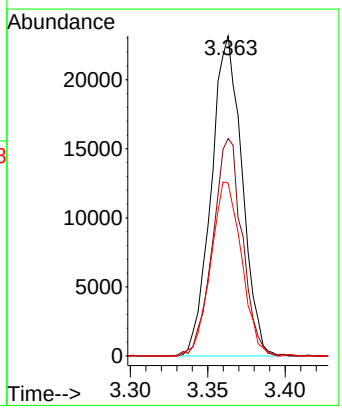
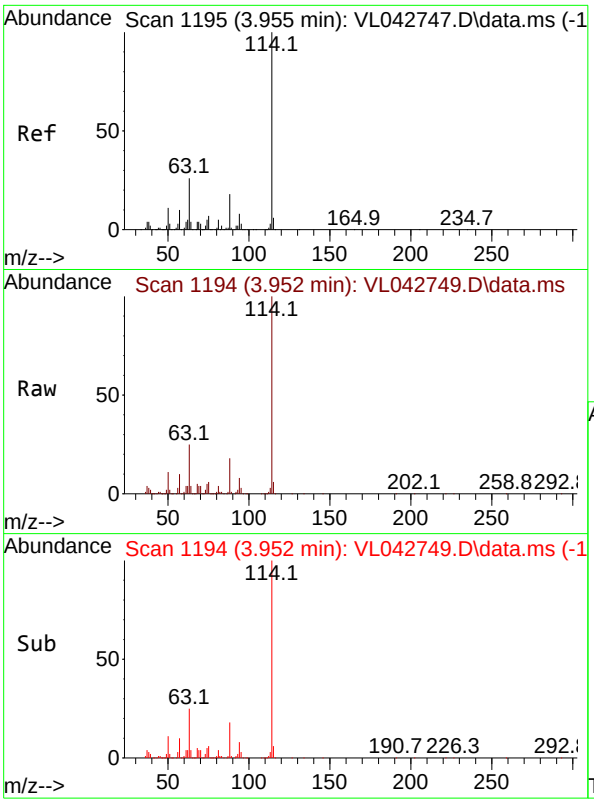


#32
1,1,1-Trichloroethane
Concen: 0.949 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 32003

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	54.5	40.9	61.3

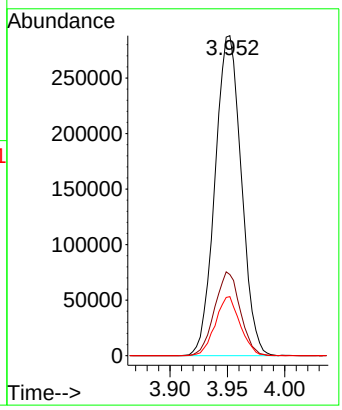




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:114 Resp: 45977

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.5	30.7
88	17.4	14.0	21.0



Instrument :
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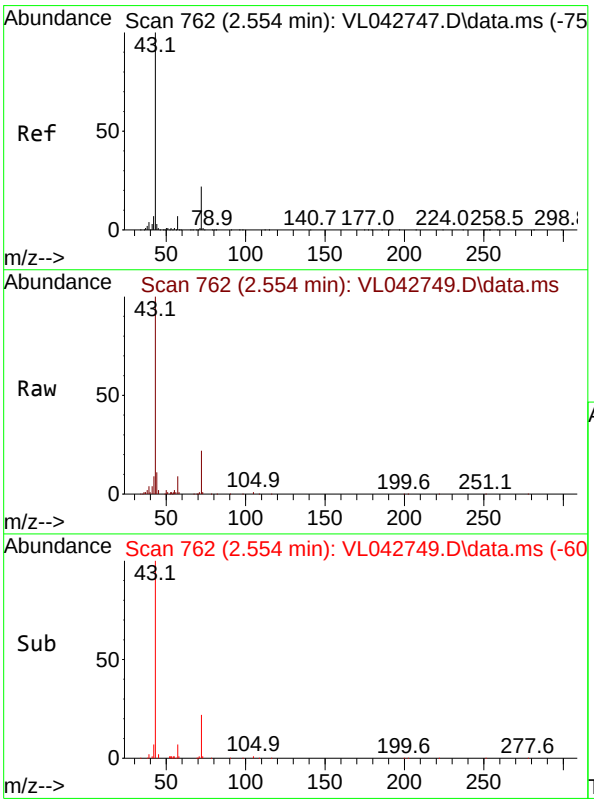
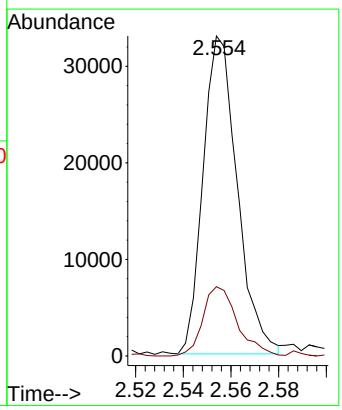
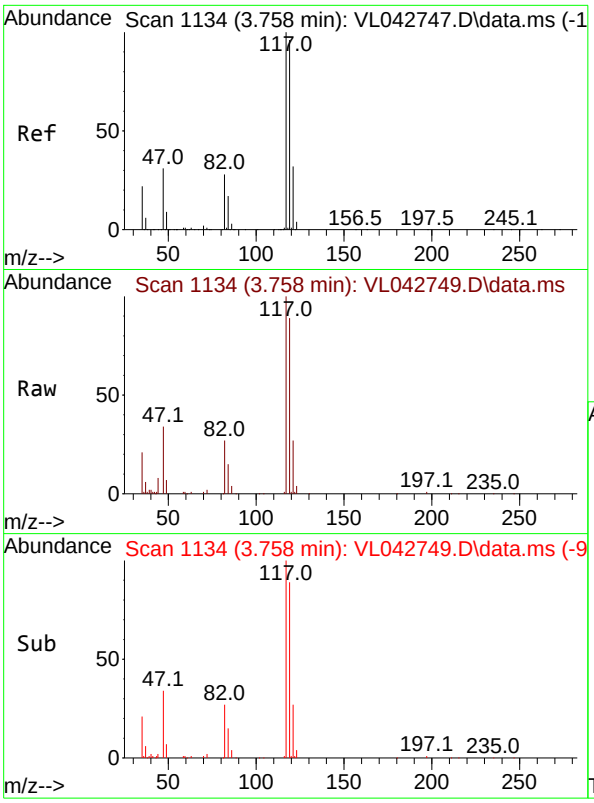


#34
2-Butanone
Concen: 1.007 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 32783

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.0

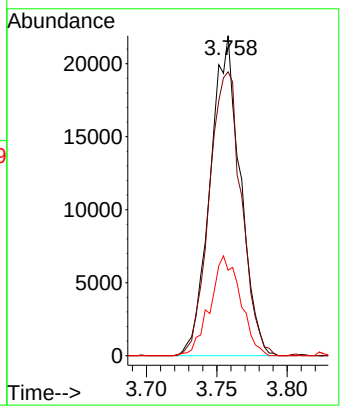




#35
Carbon Tetrachloride
Concen: 0.954 ppbv
RT: 3.758 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:117 Resp: 3261

Ion	Ratio	Lower	Upper
117	100		
119	88.7	77.1	115.7
121	26.7	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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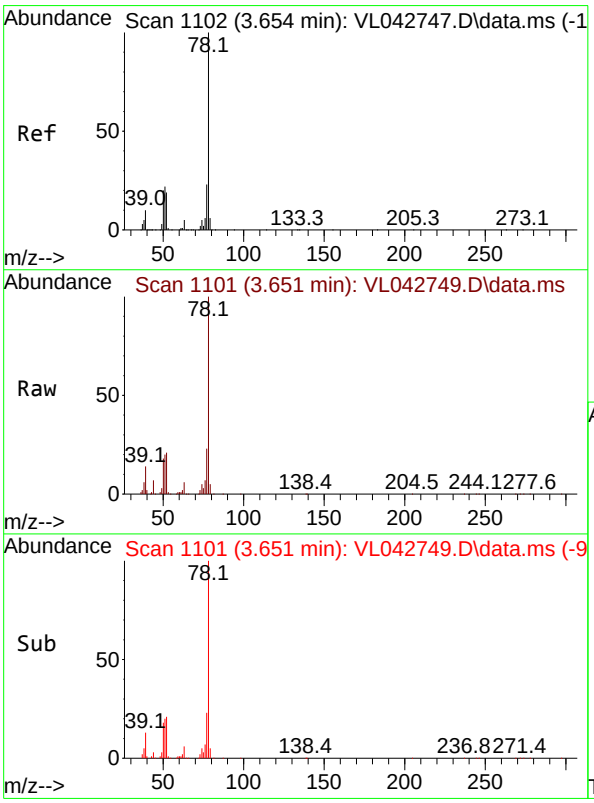
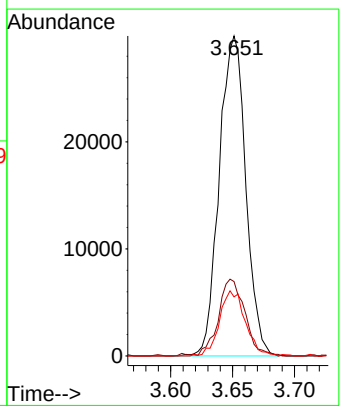
Supervised By :Mahesh Dadoda 07/24/2025

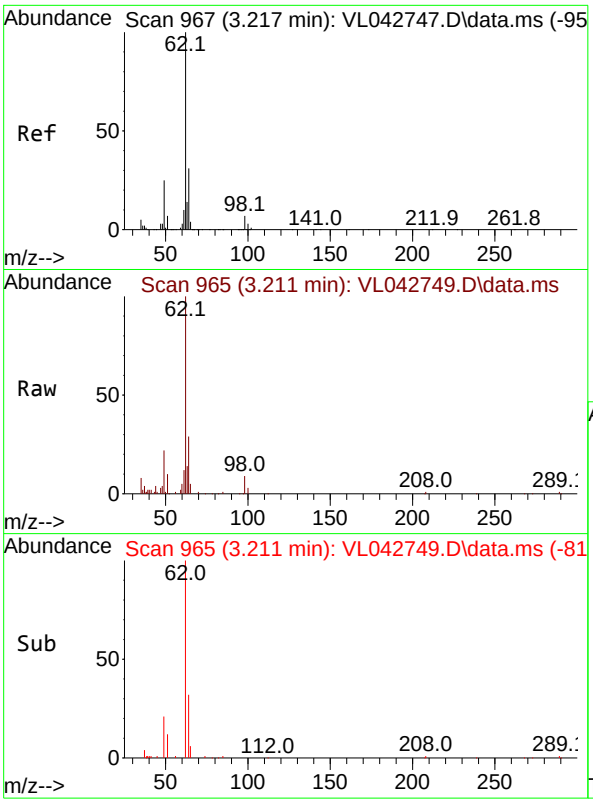


#36
Benzene
Concen: 1.024 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 78 Resp: 44638

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	18.4	16.2	24.2

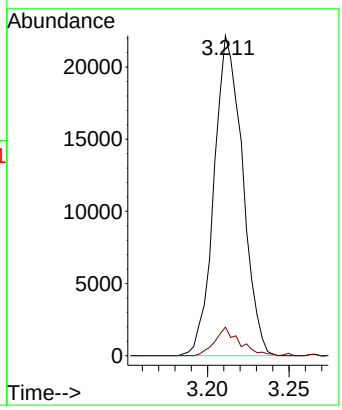




#37
1,2-Dichloroethane
Concen: 1.025 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 62 Resp: 2690

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
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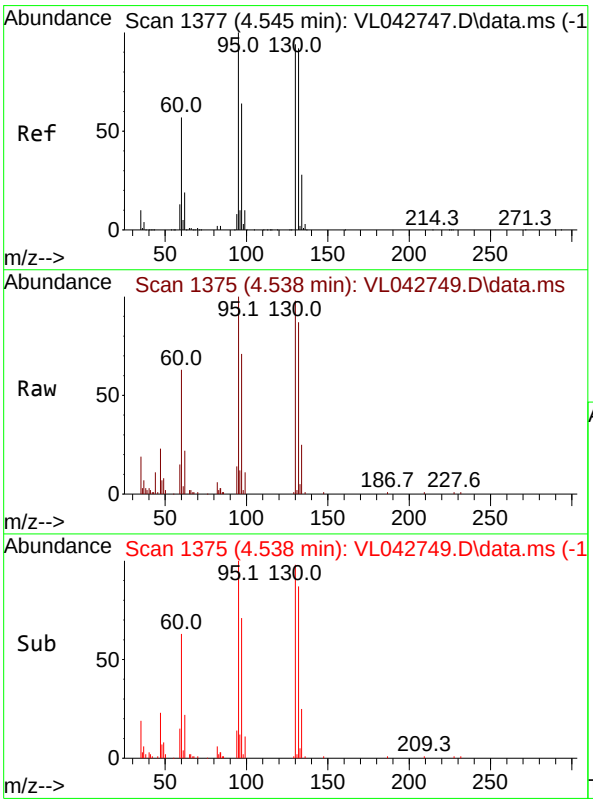
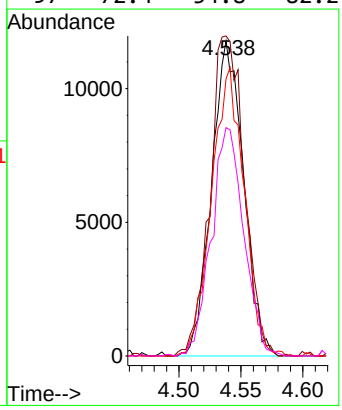
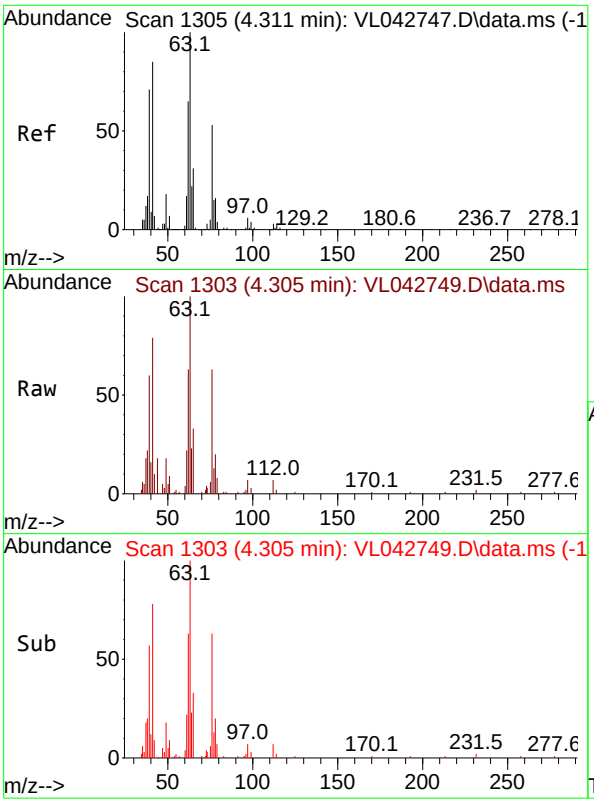


#38
Trichloroethene
Concen: 1.005 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:130 Resp: 21122

Ion	Ratio	Lower	Upper
130	100		
95	101.6	85.4	128.2
132	87.5	78.2	117.2
97	72.4	54.8	82.2

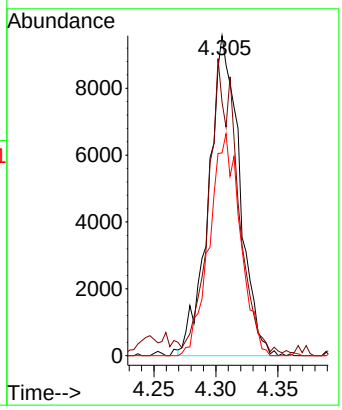




#39
1,2-Dichloropropane
Concen: 1.033 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 63 Resp: 1662

Ion	Ratio	Lower	Upper
63	100		
41	77.8	68.2	102.4
62	63.3	52.0	78.0



Instrument :
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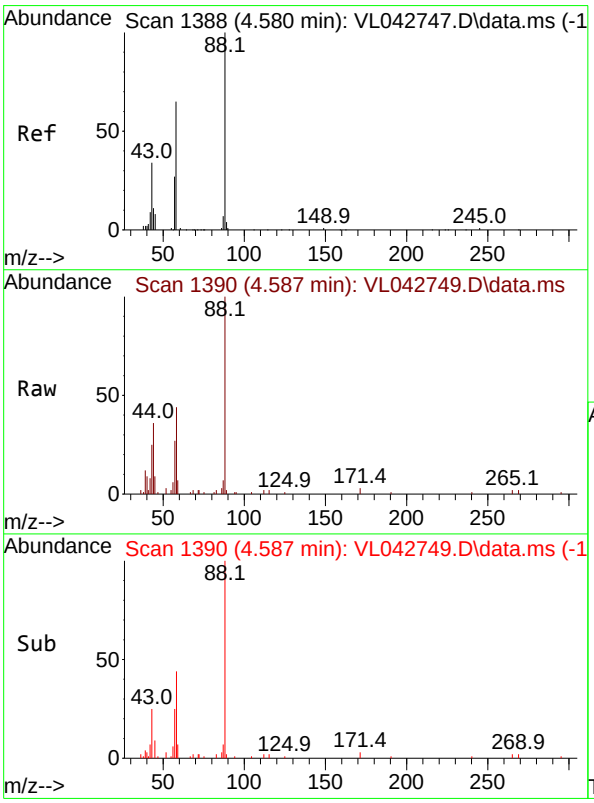
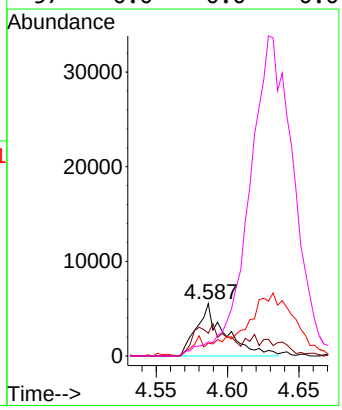
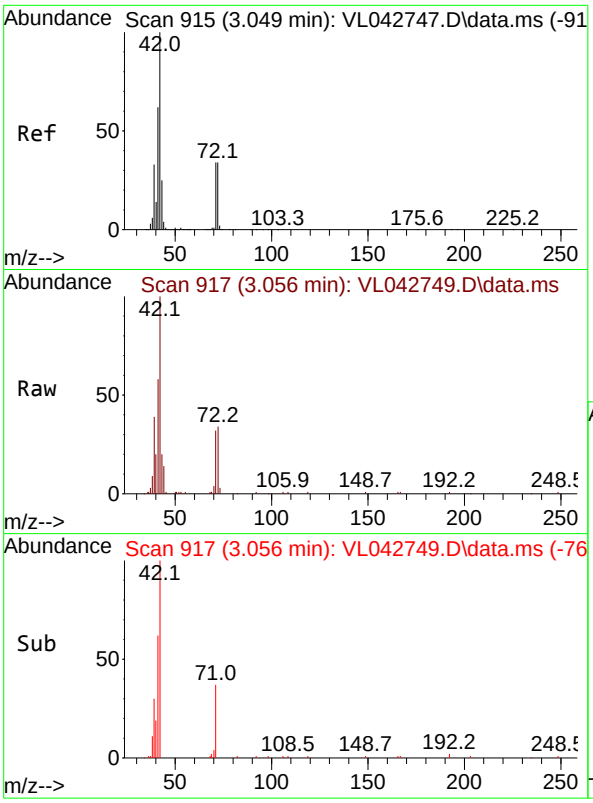


#40
1,4-Dioxane
Concen: 1.030 ppbv m
RT: 4.587 min Scan# 1390
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 88 Resp: 7811

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0

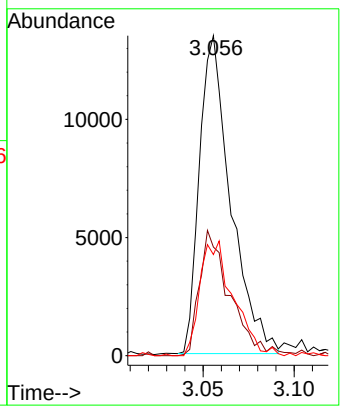




#41
Tetrahydrofuran
Concen: 0.984 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 42 Resp: 1609

Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.9	46.3
71	38.6	28.6	43.0



Instrument :
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ClientSampleId :
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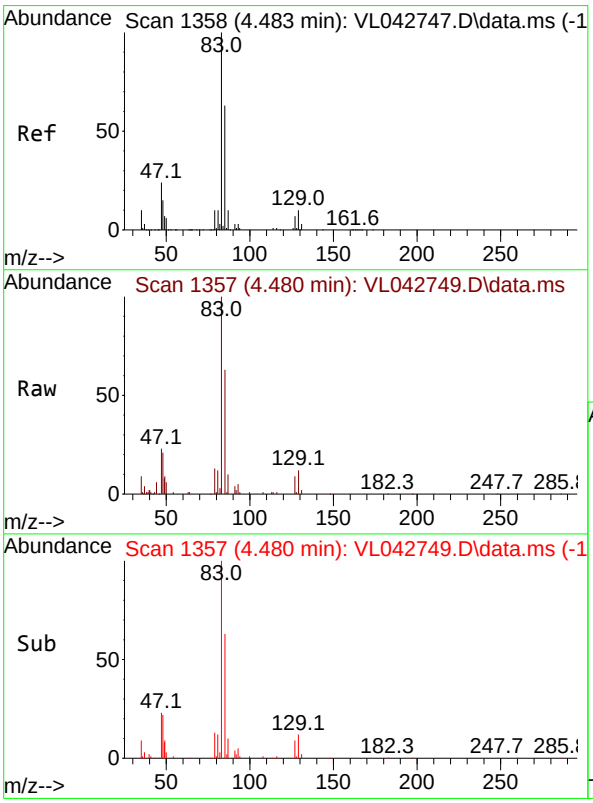
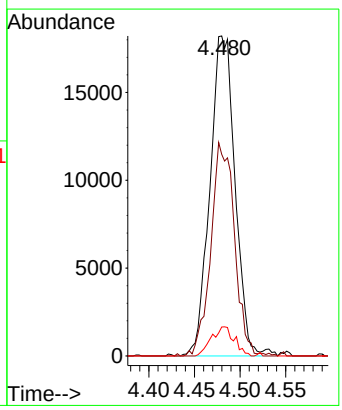
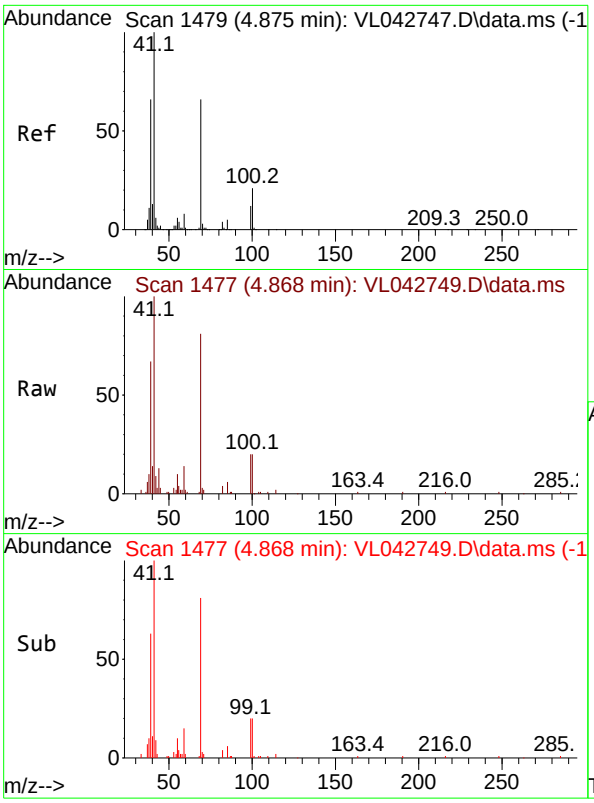


#42
Bromodichloromethane
Concen: 1.023 ppbv m
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 34995

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.4
127	9.1	5.4	8.2#

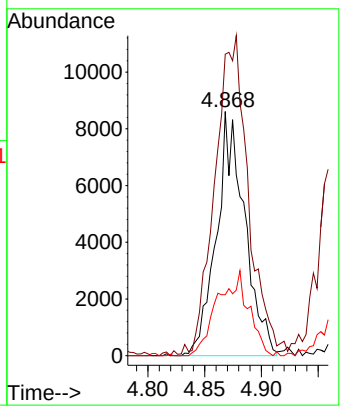




#43
Methyl Methacrylate
Concen: 0.961 ppbv m
RT: 4.868 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 69 Resp: 1488

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#



Instrument :
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ClientSampleId :
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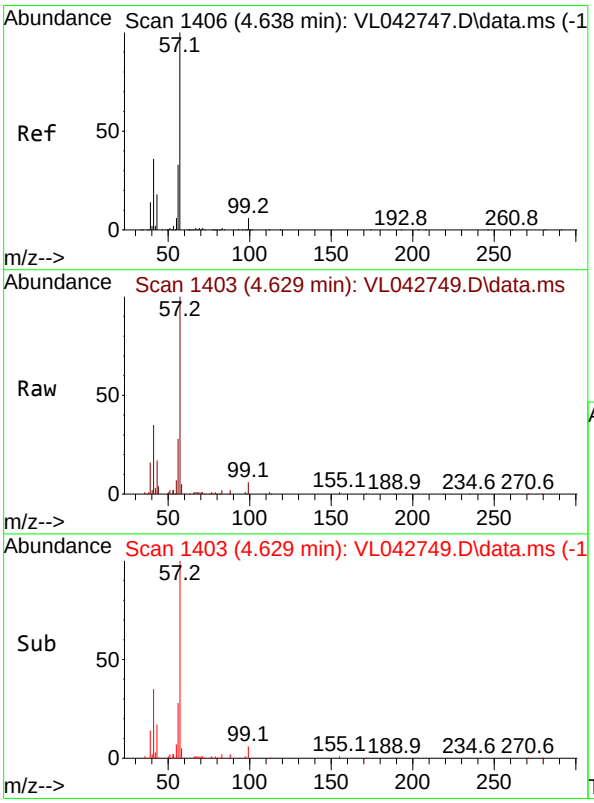
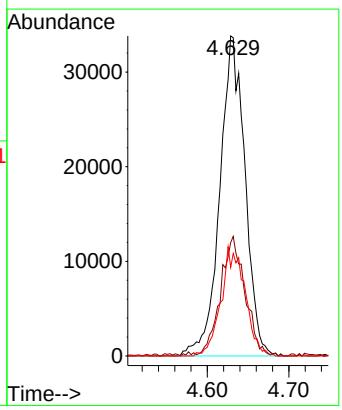
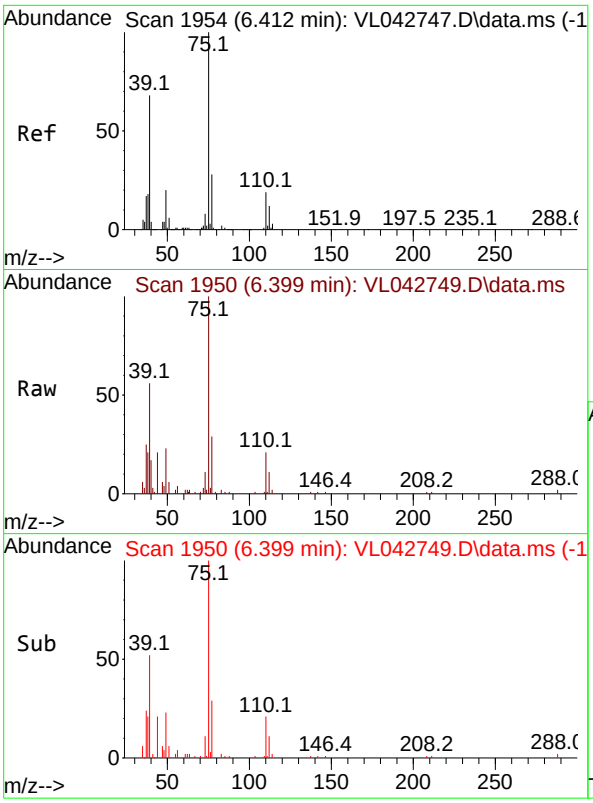


#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 72865

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.5	25.8	38.6

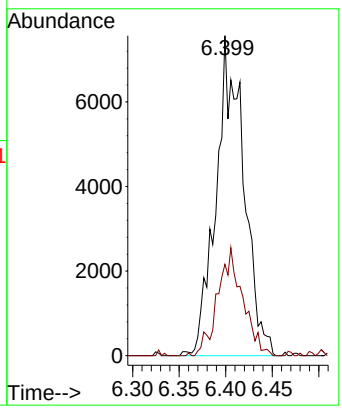




#45
t-1,3-Dichloropropene
Concen: 0.900 ppbv m
RT: 6.399 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 1564

Ion	Ratio	Lower	Upper
75	100		
77	28.5	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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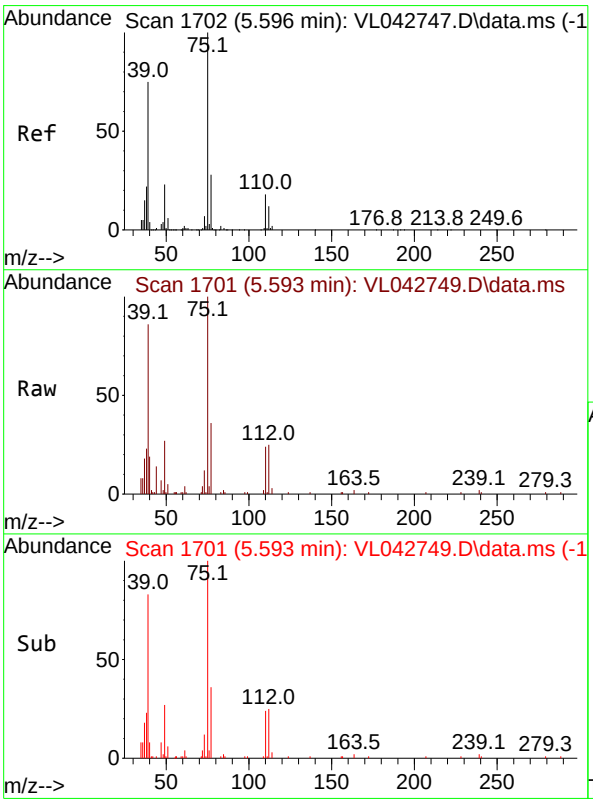
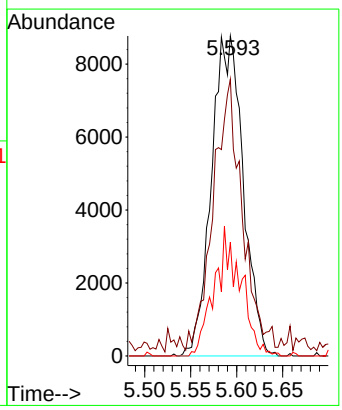
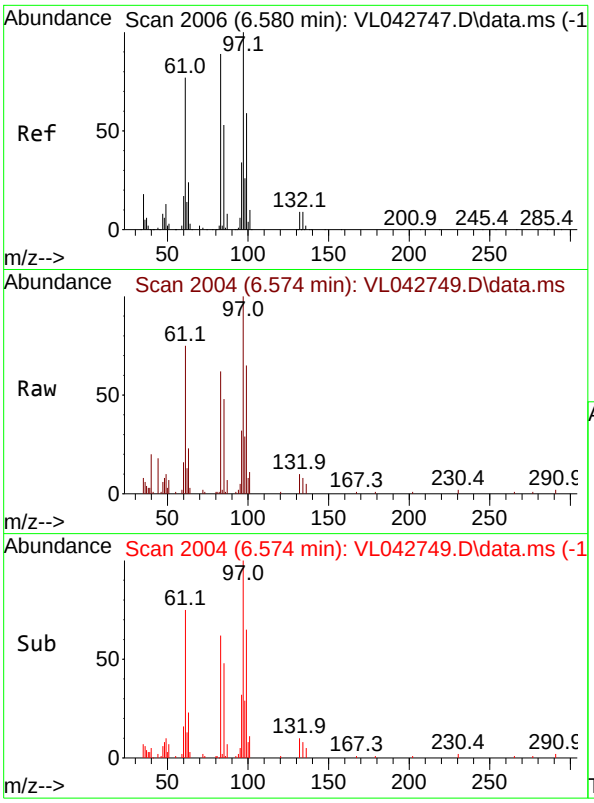


#46
cis-1,3-Dichloropropene
Concen: 0.958 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 21088

Ion	Ratio	Lower	Upper
75	100		
39	86.5	60.2	90.2
77	35.6	22.6	34.0#

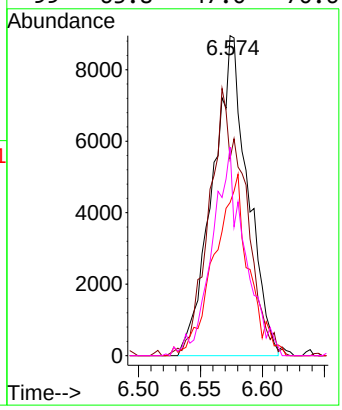




#47
1,1,2-Trichloroethane
Concen: 1.029 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 1764

Ion	Ratio	Lower	Upper
97	100		
83	60.2	71.1	106.7#
85	46.8	43.0	64.4
99	63.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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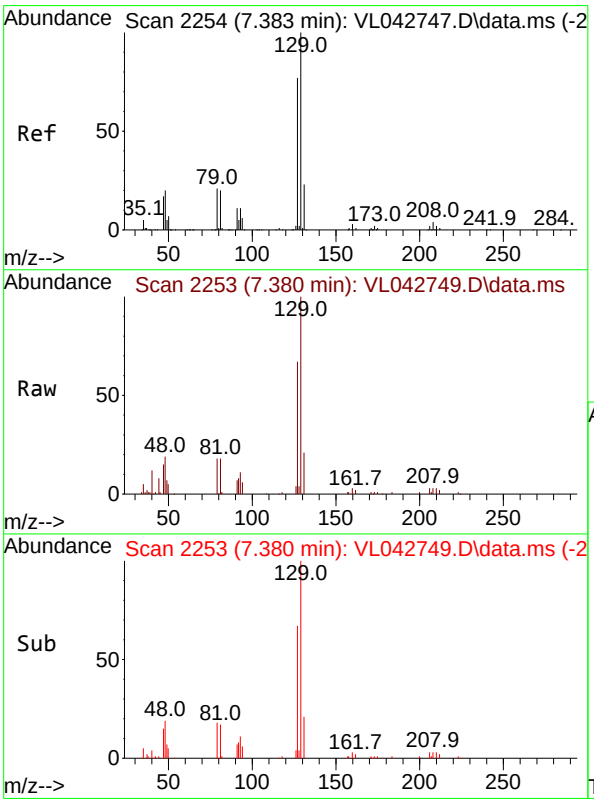
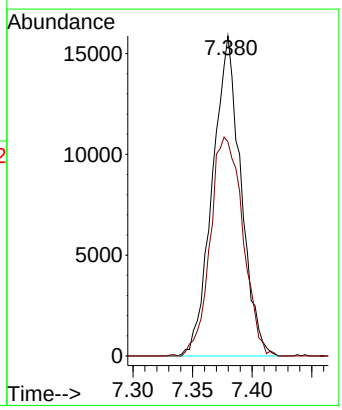
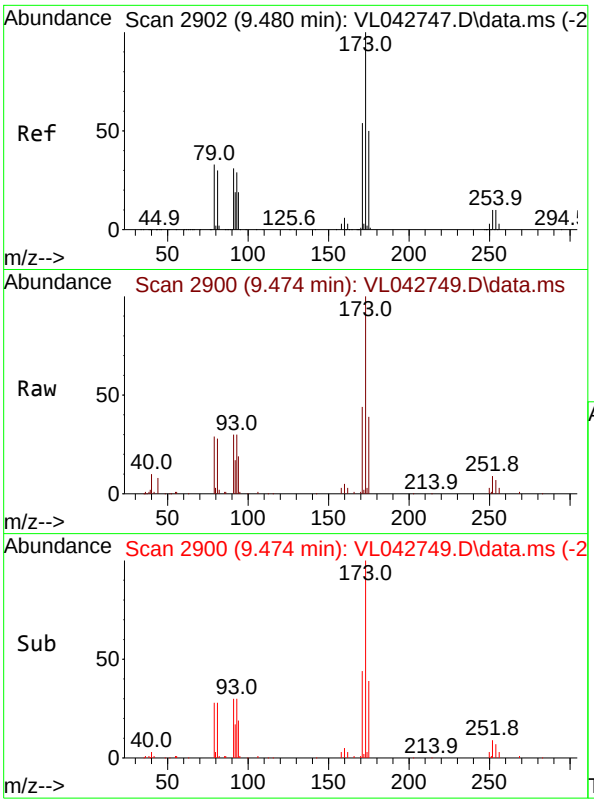


#48
Dibromochloromethane
Concen: 0.965 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:129 Resp: 26259

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.7	116.1

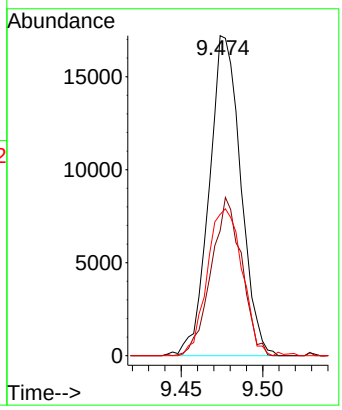




#49
Bromoform
Concen: 0.973 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:173 Resp: 2308

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.3	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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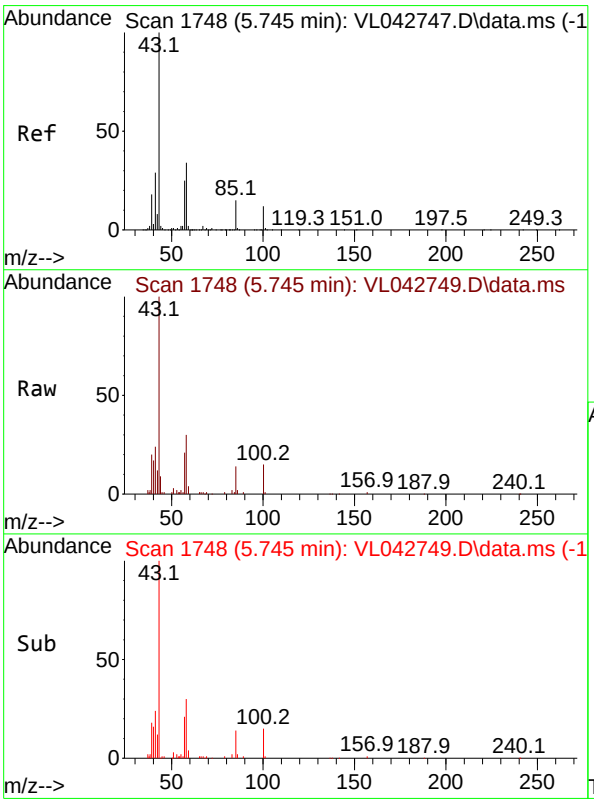
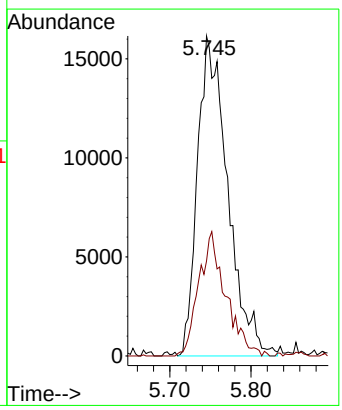
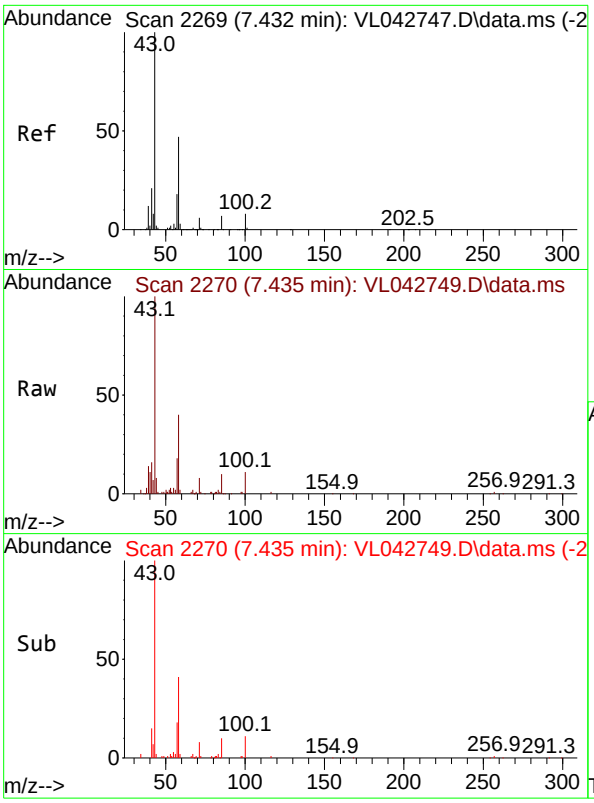


#50
4-Methyl-2-Pentanone
Concen: 1.006 ppbv m
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 41715

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#





#51
2-Hexanone
Concen: 0.939 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 2976

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	1.6	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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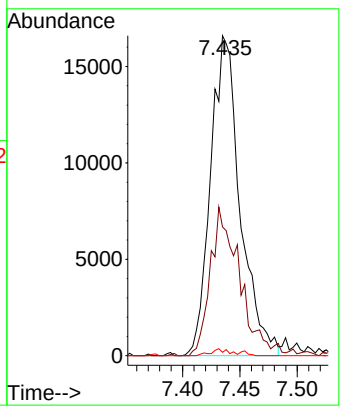
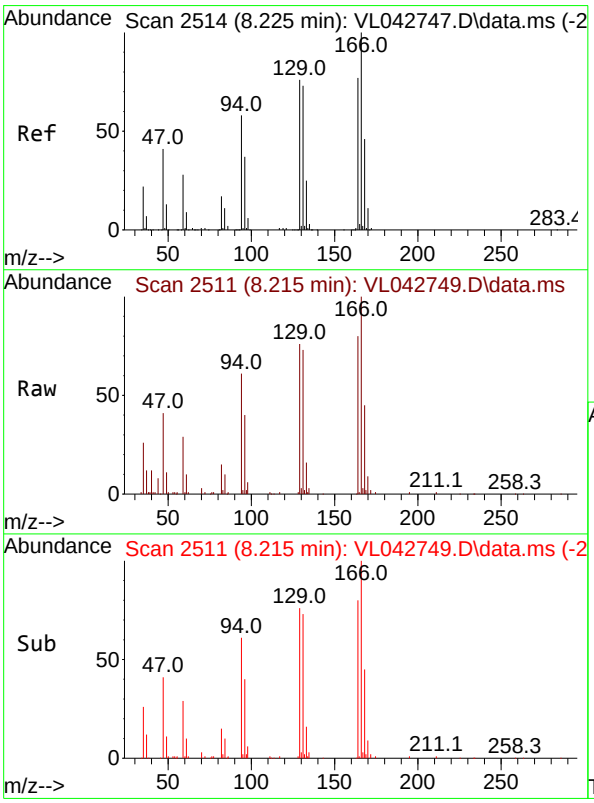
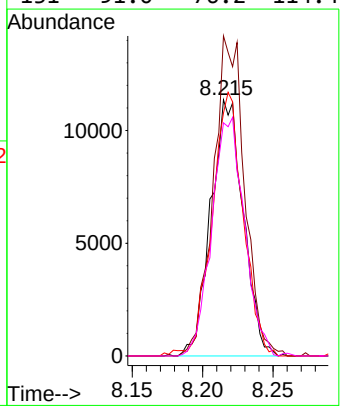


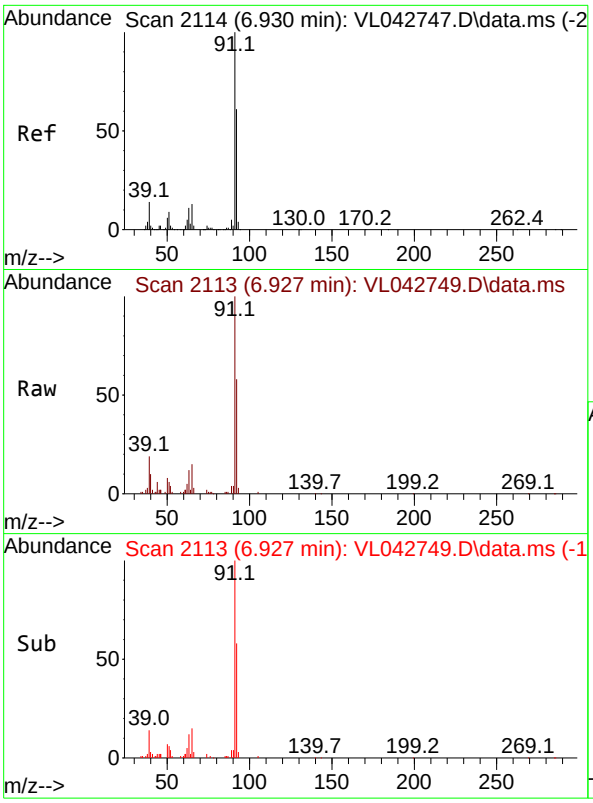


#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:164 Resp: 18131

Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.0	156.0
129	94.8	79.2	118.8
131	91.0	76.2	114.4

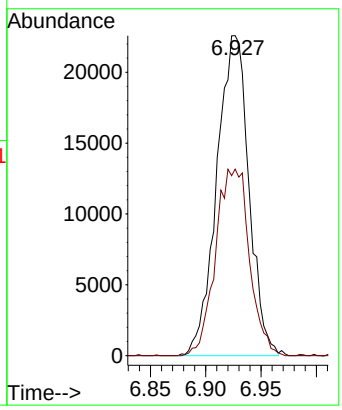




#53
Toluene
Concen: 0.976 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 4564

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
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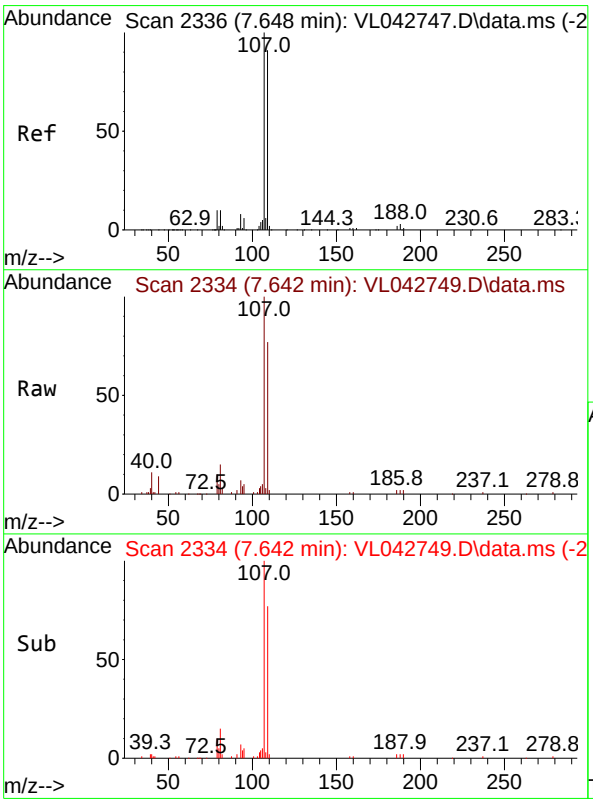
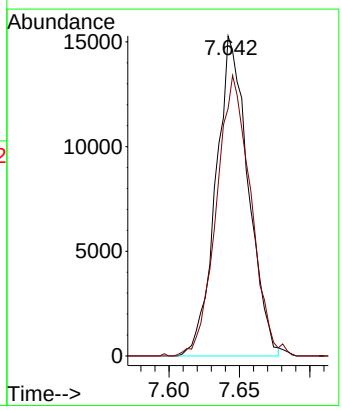
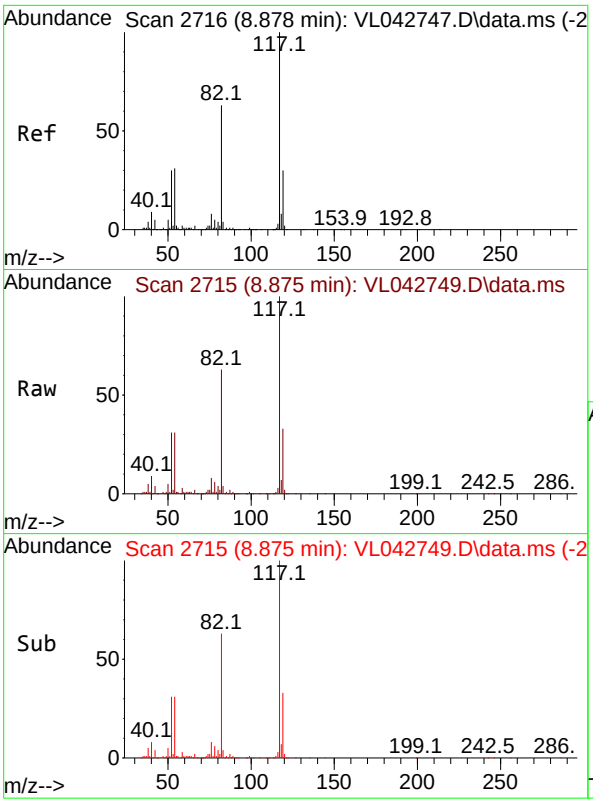


#54
1,2-Dibromoethane
Concen: 1.007 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:107 Resp: 24427

Ion	Ratio	Lower	Upper
107	100		
109	76.9	72.7	109.1

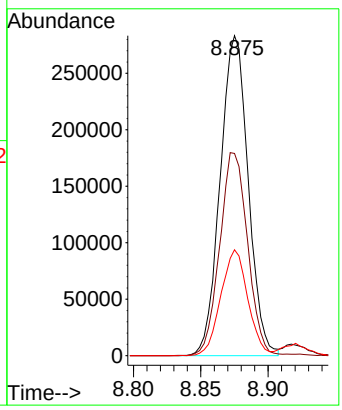




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:117 Resp: 41001

Ion	Ratio	Lower	Upper
117	100		
82	63.5	53.3	79.9
119	32.0	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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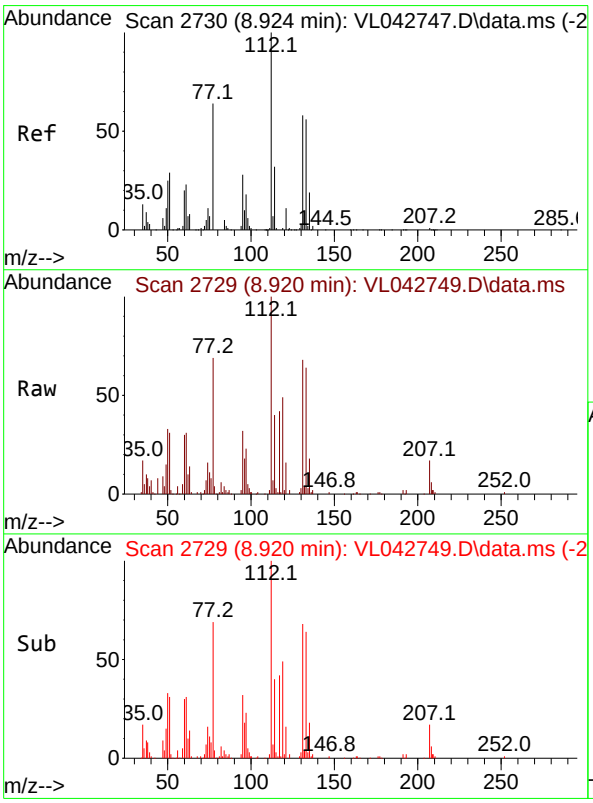
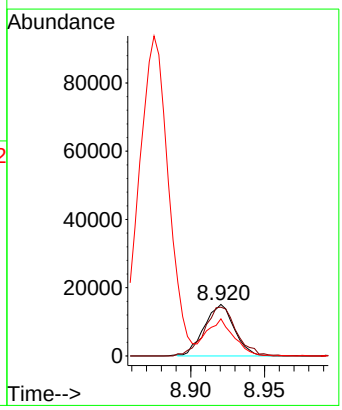
Supervised By :Mahesh Dadoda 07/24/2025

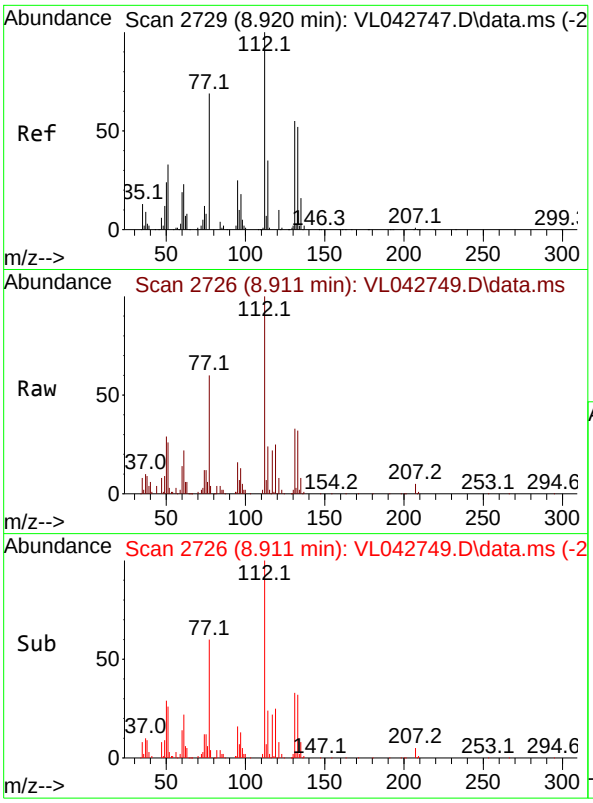


#56
1,1,1,2-Tetrachloroethane
Concen: 1.000 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:131 Resp: 21319

Ion	Ratio	Lower	Upper
131	100		
133	102.0	76.8	115.2
119	58.6	49.7	74.5

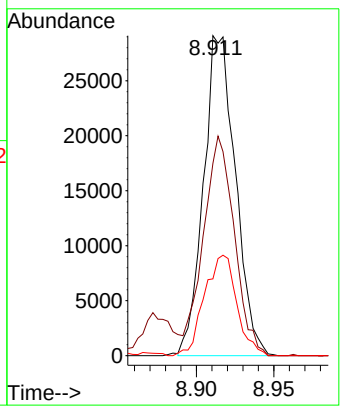




#57
Chlorobenzene
Concen: 1.053 ppbv
RT: 8.911 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:112 Resp: 4178

Ion	Ratio	Lower	Upper
112	100		
77	60.1	56.4	84.6
114	24.0	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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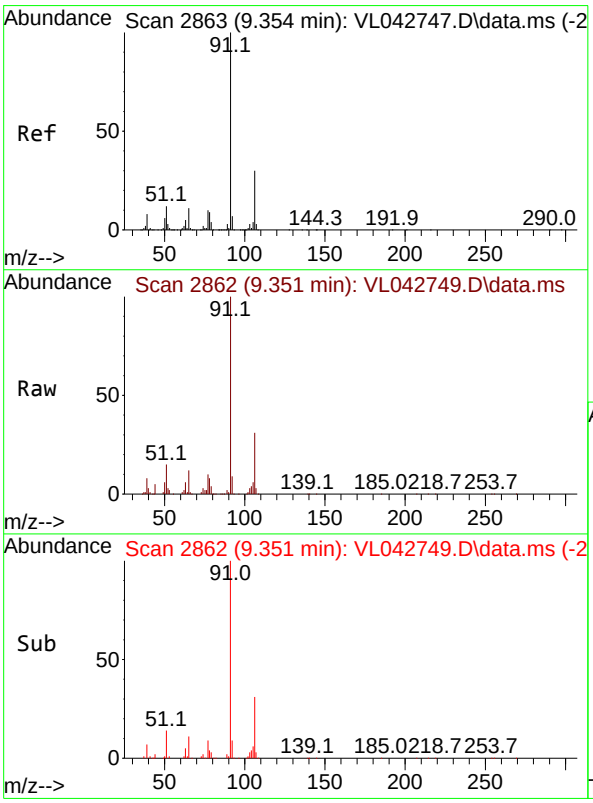
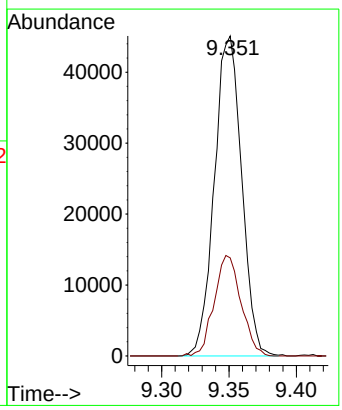
Supervised By :Mahesh Dadoda 07/24/2025

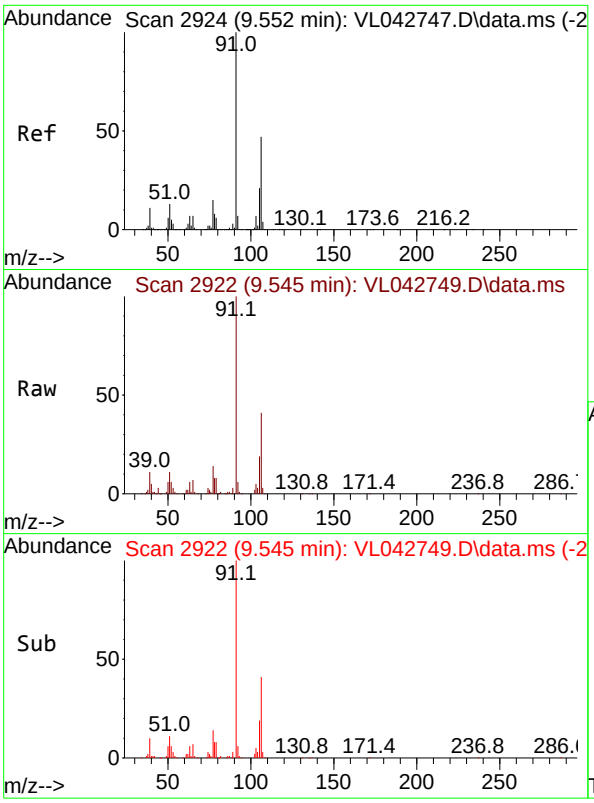


#58
Ethyl Benzene
Concen: 0.980 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 63467

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6





#59
m/p-Xylene
Concen: 2.020 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 10454

Ion	Ratio	Lower	Upper
91	100		
106	46.9	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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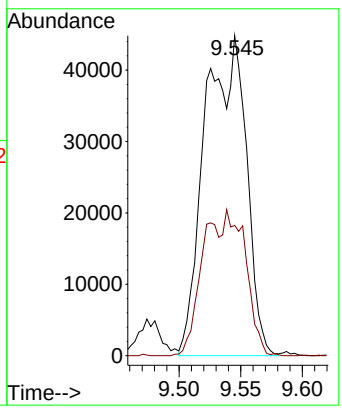
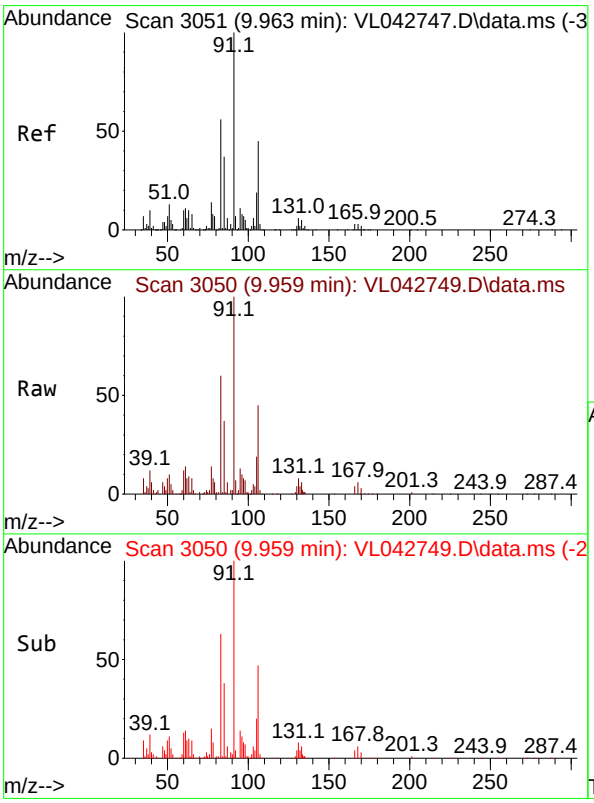
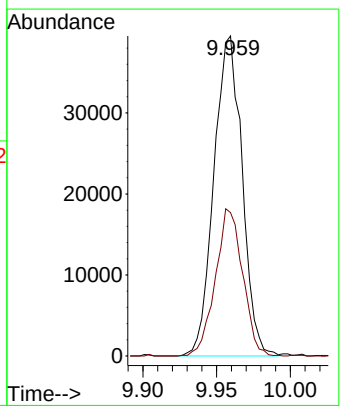


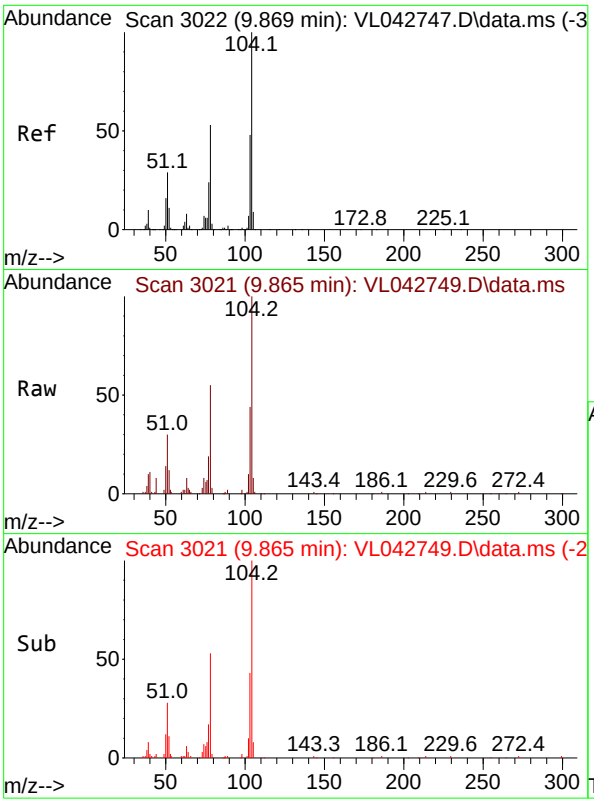


#60
o-Xylene
Concen: 1.015 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 52499

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.0	66.0

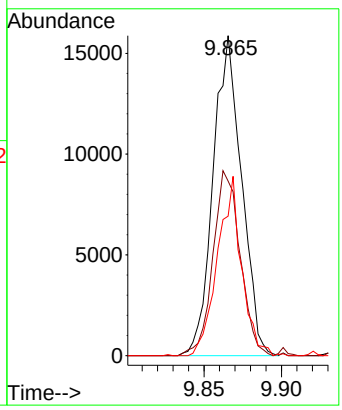




#61
Styrene
Concen: 0.934 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:104 Resp: 2031

Ion	Ratio	Lower	Upper
104	100		
78	55.7	41.5	62.3
103	47.2	37.5	56.3



Instrument :
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ClientSampleId :
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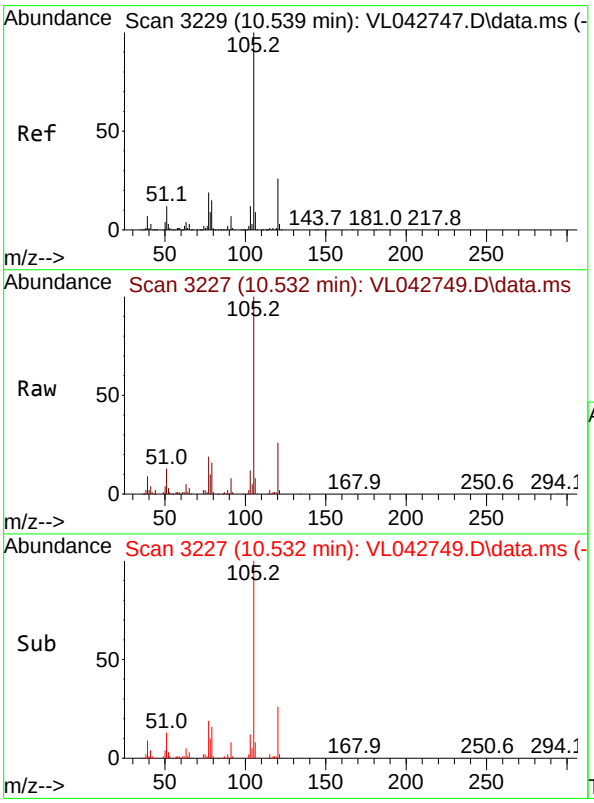
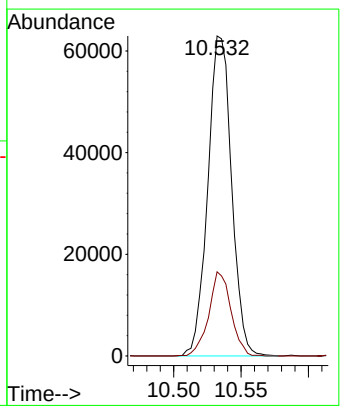
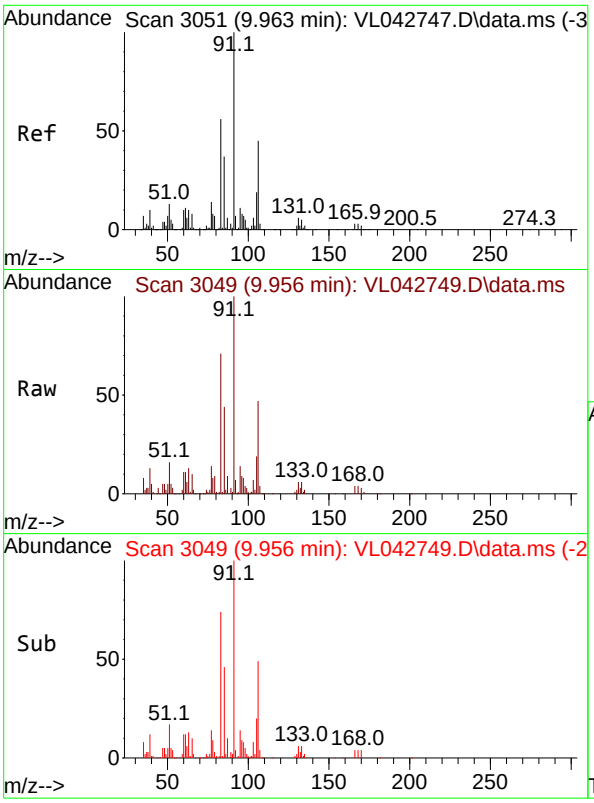


#62
Isopropylbenzene
Concen: 1.013 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 77278

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.5	30.7

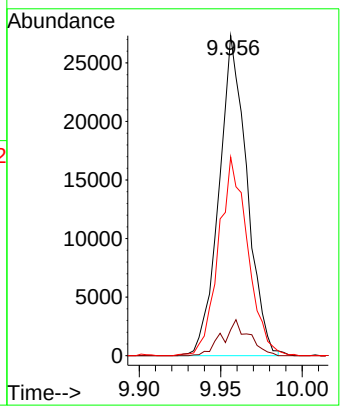




#63
1,1,2,2-Tetrachloroethane
Concen: 0.967 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 3259

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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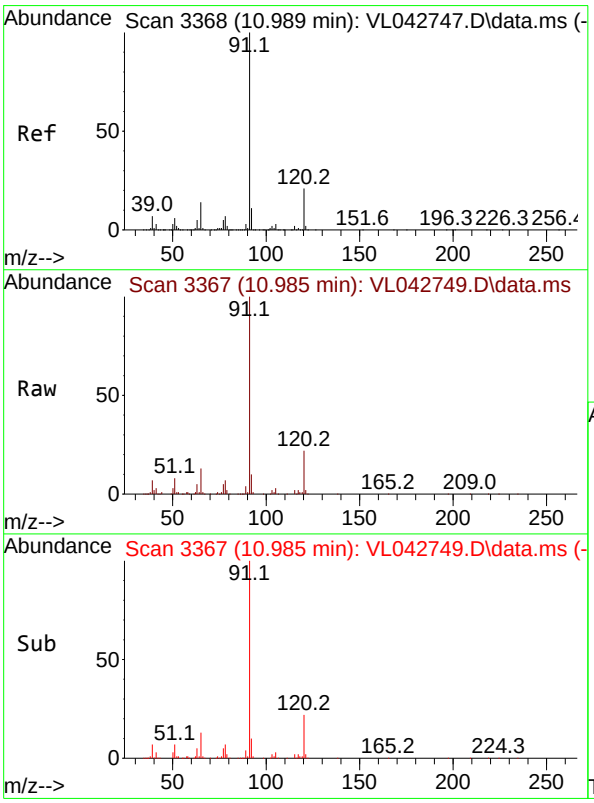
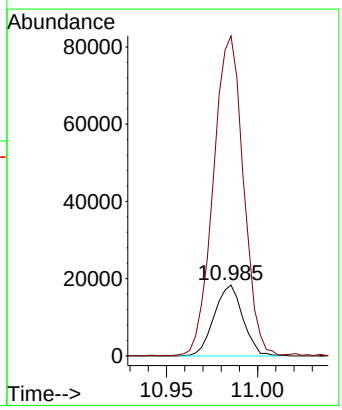
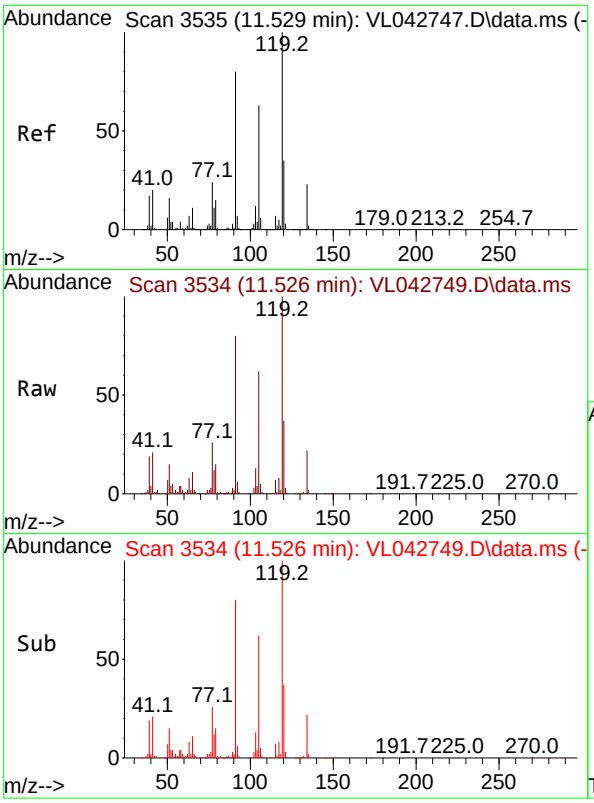


#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:120 Resp: 20073

Ion	Ratio	Lower	Upper
120	100		
91	478.1	372.7	559.1

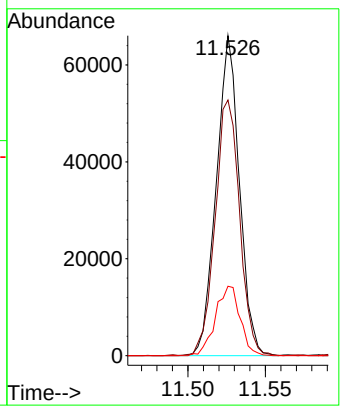




#65
tert-Butylbenzene
Concen: 1.010 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:119 Resp: 6842

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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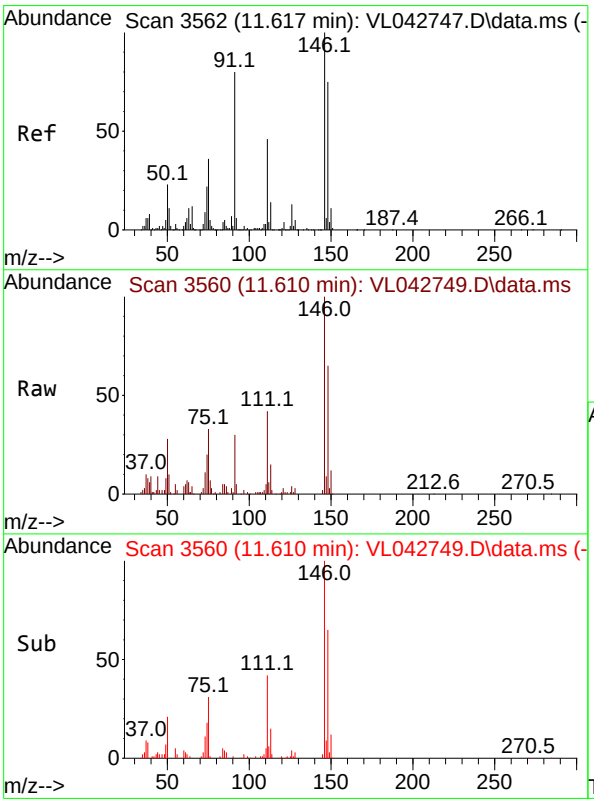
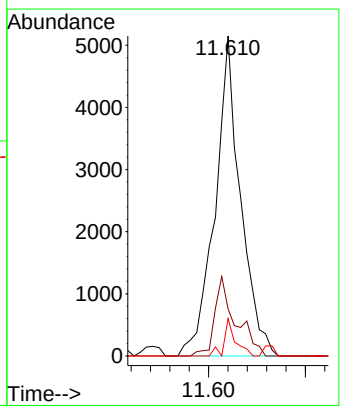
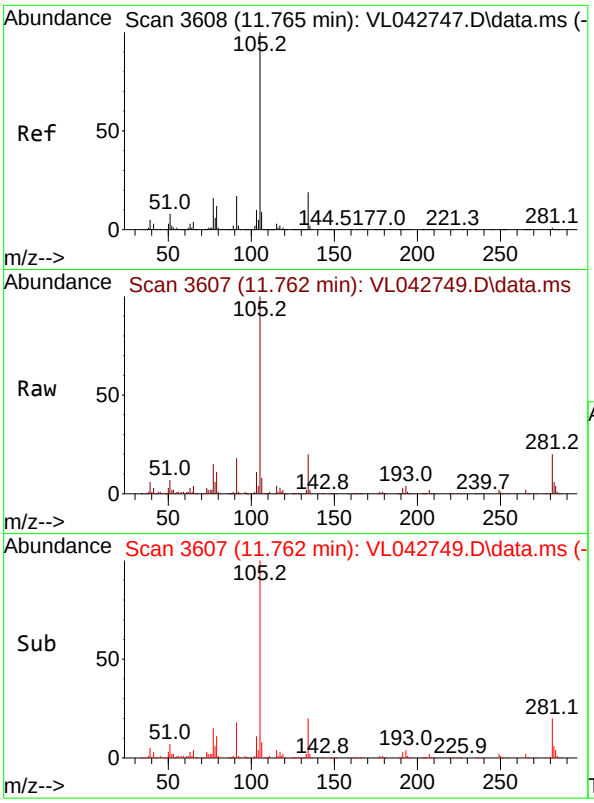


#66
Benzyl Chloride
Concen: 0.845 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 4700

Ion	Ratio	Lower	Upper
91	100		
126	20.3	14.4	21.6
128	6.5	5.2	7.8

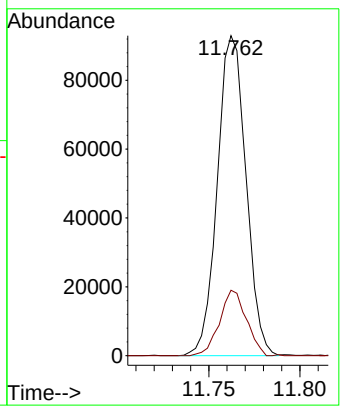




#67
sec-Butylbenzene
Concen: 1.053 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 10145

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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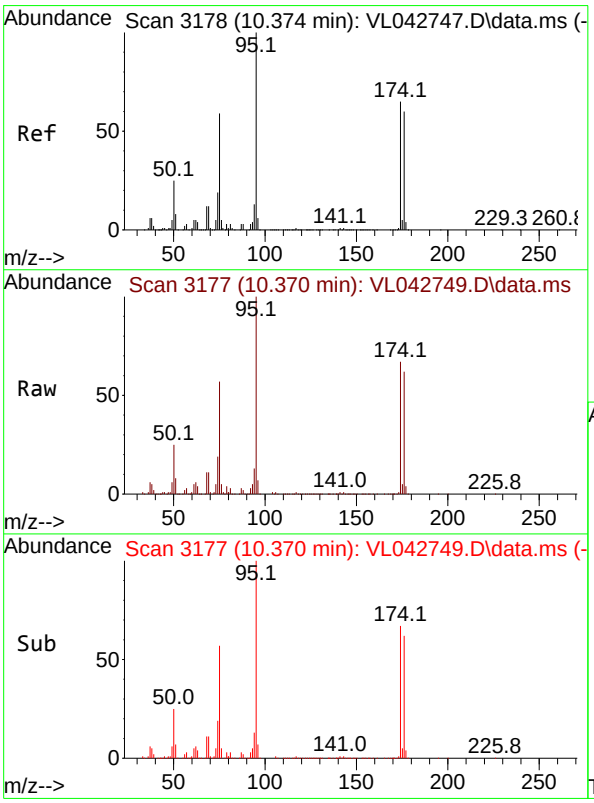
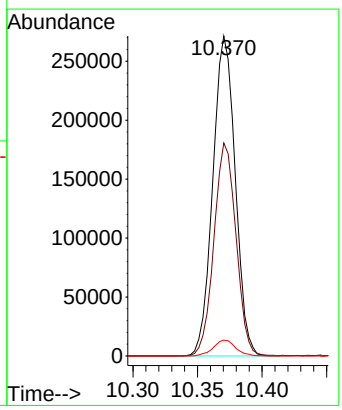
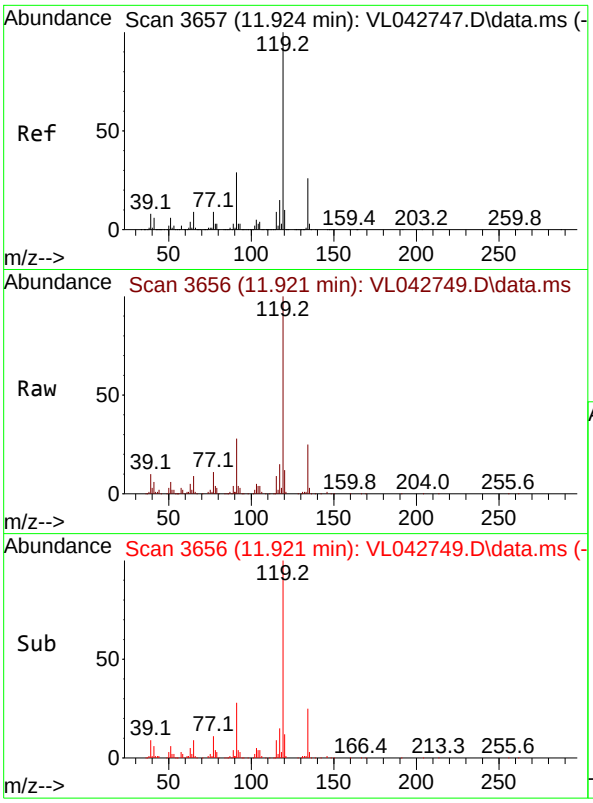


#68
1-Bromo-4-Fluorobenzene
Concen: 10.091 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 95 Resp: 327673

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.0	4.0	6.0

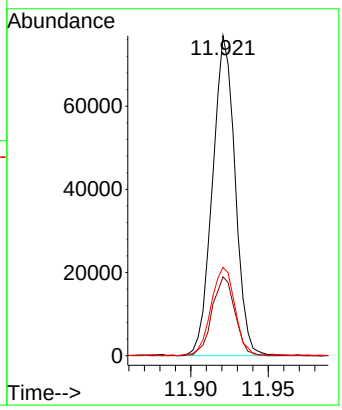




#69
p-Isopropyltoluene
Concen: 0.995 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:119 Resp: 7818

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.6	31.0
91	29.8	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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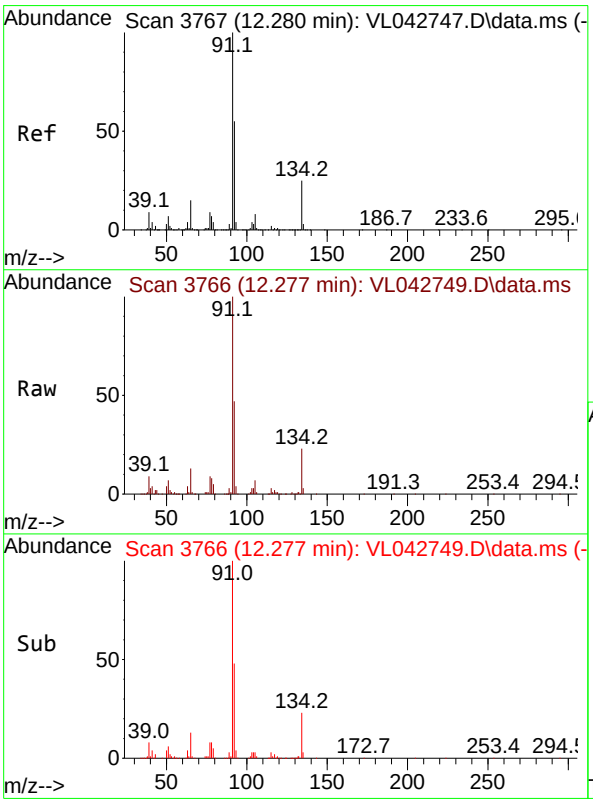
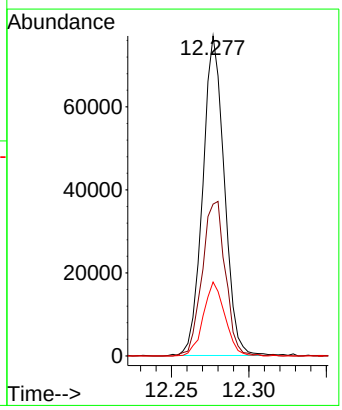
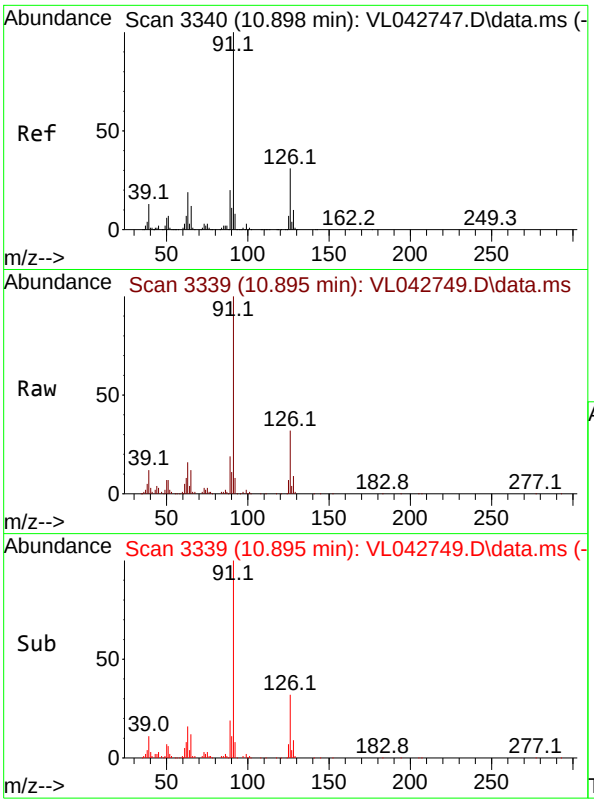


#70
n-Butylbenzene
Concen: 0.978 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 74257

Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.4	65.2
134	23.4	19.6	29.4

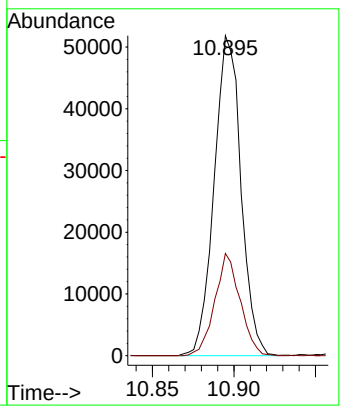




#71
2-Chlorotoluene
Concen: 1.012 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 5919

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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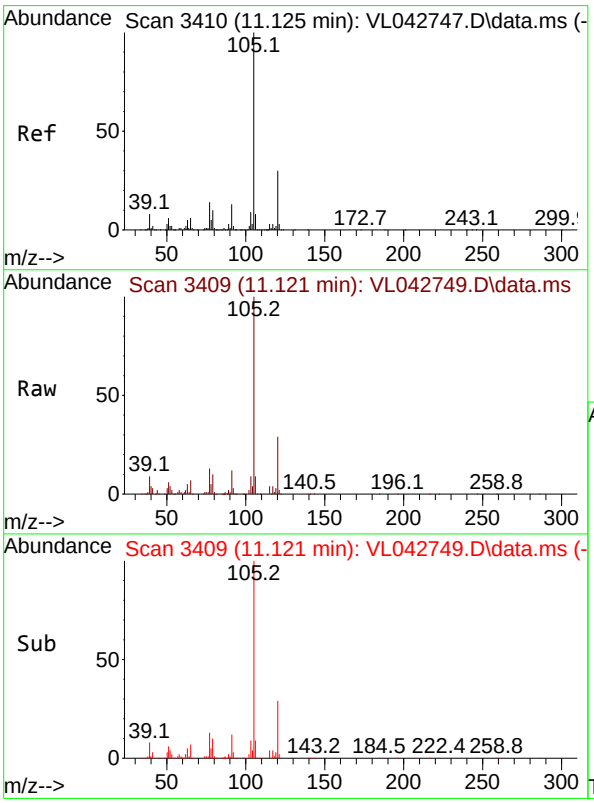
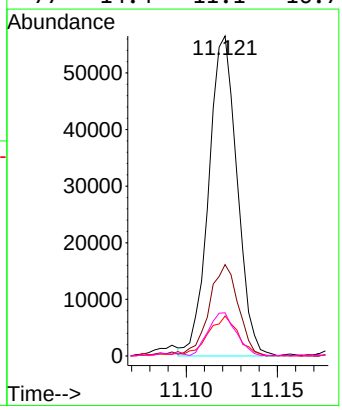
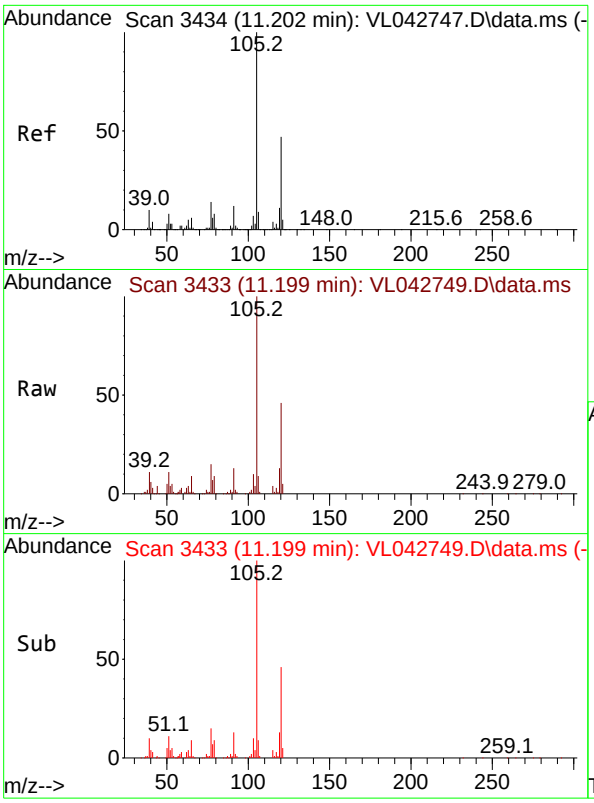


#72
4-Ethyltoluene
Concen: 0.991 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 61199

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	14.2	10.6	15.8
77	14.4	11.1	16.7

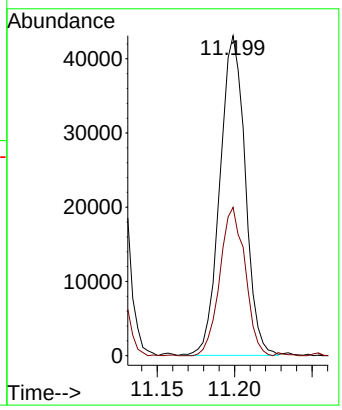




#73
1,3,5-Trimethylbenzene
Concen: 0.962 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 4890

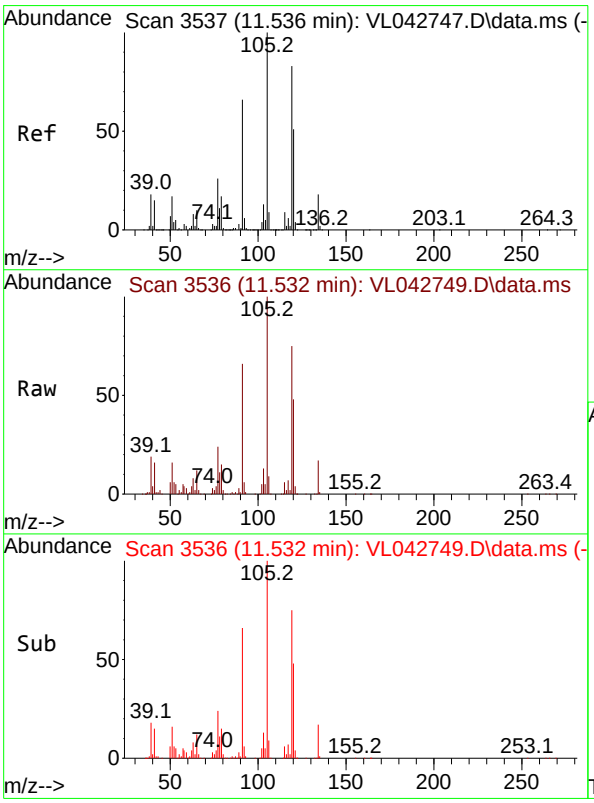
Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

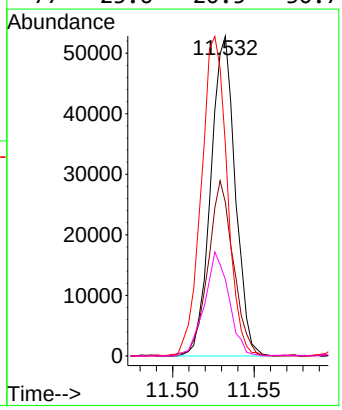
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

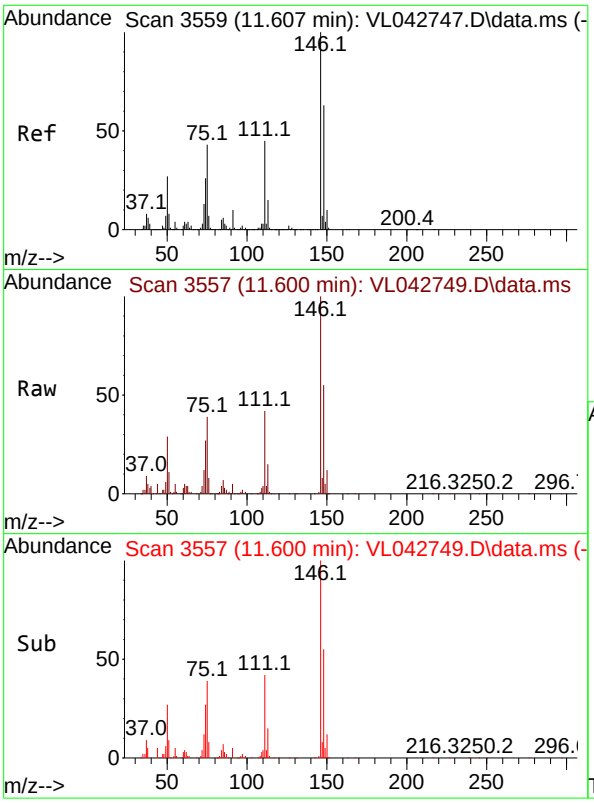


#74
1,2,4-Trimethylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 55153

Ion	Ratio	Lower	Upper
105	100		
120	48.0	40.8	61.2
91	65.8	53.0	79.4
77	23.6	20.5	30.7

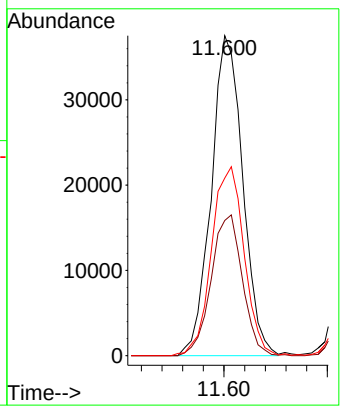




#75
1,3-Dichlorobenzene
Concen: 1.022 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 3975

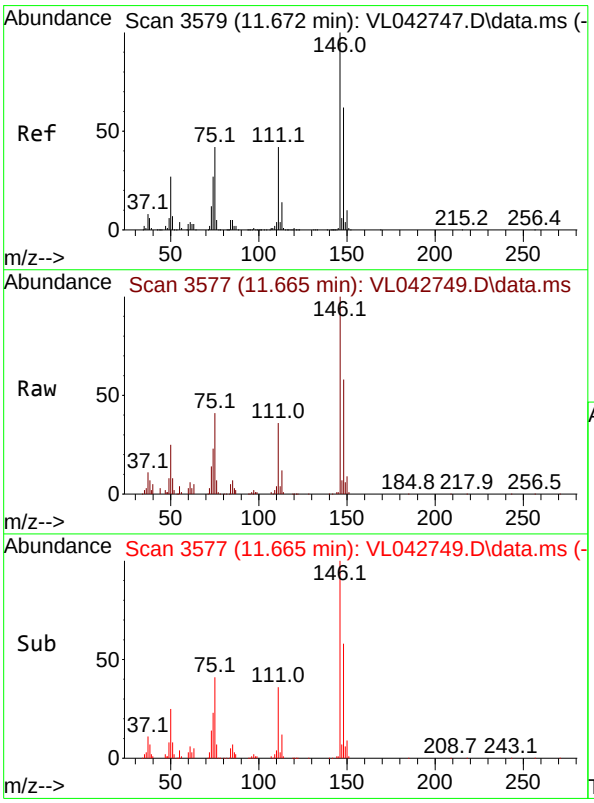
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.7	68.0
148	61.0	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

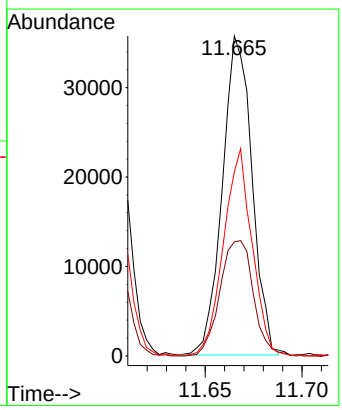
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

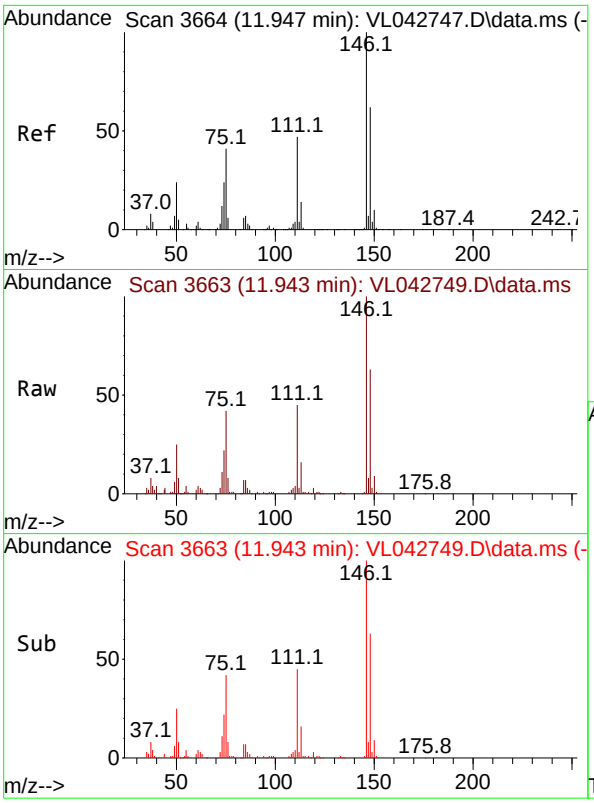


#76
1,4-Dichlorobenzene
Concen: 0.999 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 38018

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.2
148	63.1	32.1	96.3

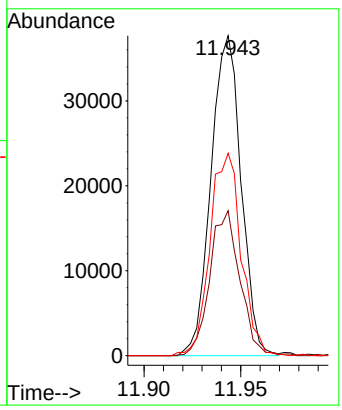




#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 4083

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.7	71.1
148	65.5	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
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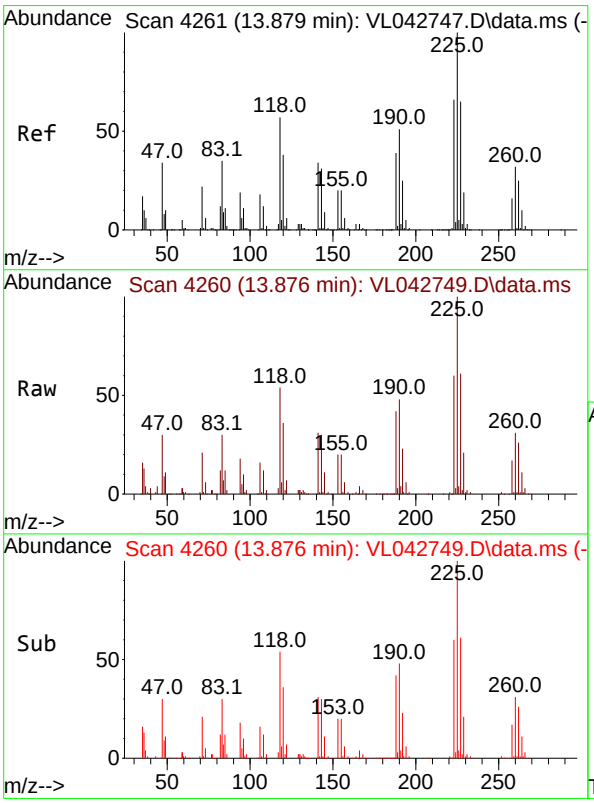
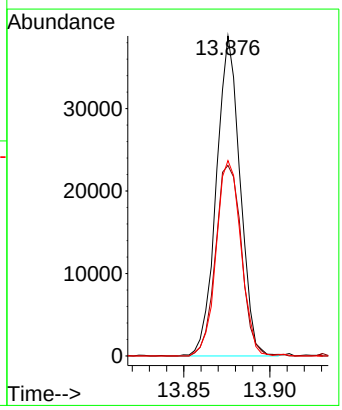
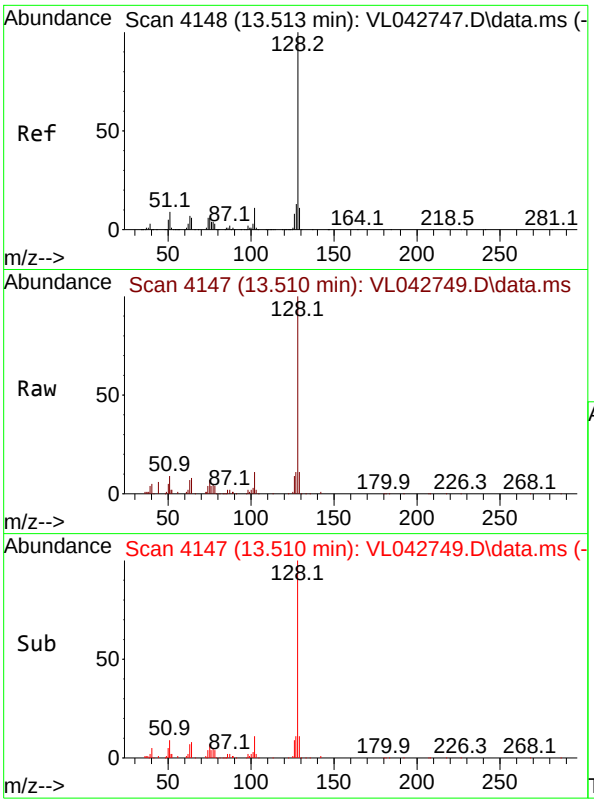


#78
Hexachloro-1,3-Butadiene
Concen: 1.076 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:225 Resp: 37228

Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.7	76.1
227	63.9	50.5	75.7

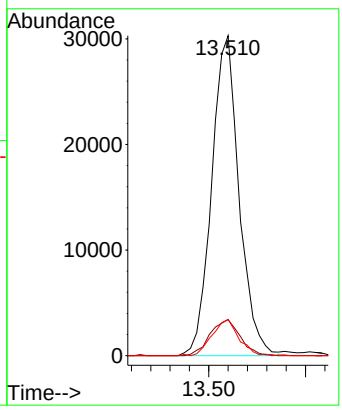




#79
Naphthalene
Concen: 0.907 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:128 Resp: 2979

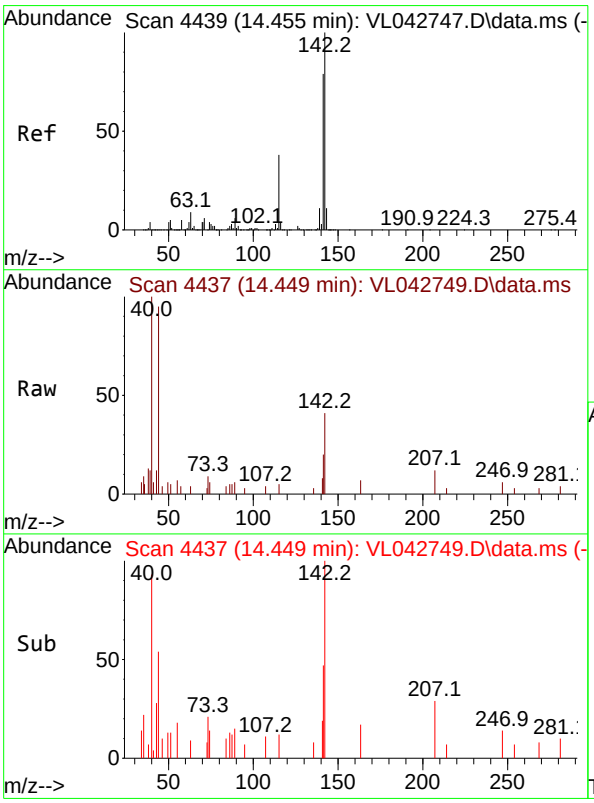
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.5	15.7
129	11.4	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

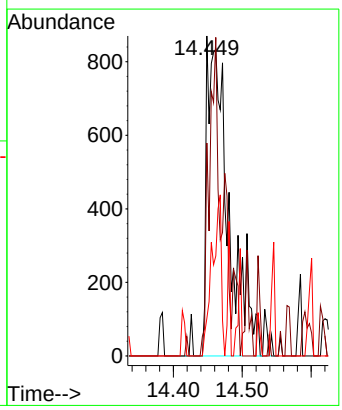
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

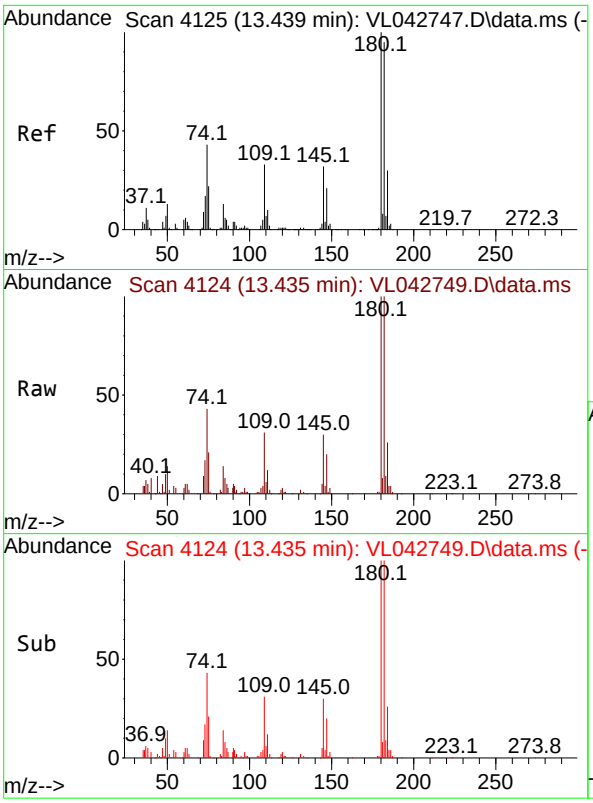


#80
Naphthalene,2-methyl-
Concen: 1.184 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:142 Resp: 1950

Ion	Ratio	Lower	Upper
142	100		
141	63.5	65.8	98.8#
115	25.1	31.2	46.8#

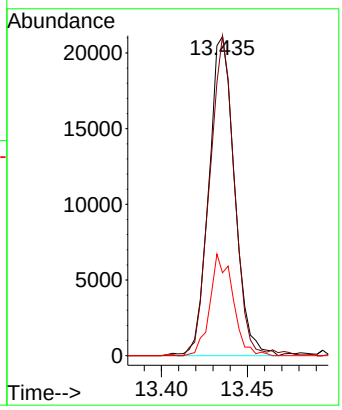




#81
1,2,4-Trichlorobenzene
Concen: 1.053 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:180 Resp: 2192

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.2
184	28.7	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	151256	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	446836	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	408626	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	319353	9.869	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11099	0.555	ppbv		98
3) Chlorodifluoromethane	1.476	51	14291	0.549	ppbv		97
4) Chloromethane	1.531	50	4428	0.547	ppbv		96
5) Vinyl Chloride	1.580	62	3902	0.488	ppbv		97
6) Bromomethane	1.667	94	1717	0.556	ppbv	#	38
7) Chloroethane	1.703	64	2102	0.681	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	8971	0.545	ppbv		97
9) Propene	1.483	41	4695	0.496	ppbv	#	77
10) Heptane	4.978	43	13003m	0.511	ppbv		
11) Trichlorofluoromethane	1.878	101	11021	0.535	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.137	101	8430	0.538	ppbv		98
13) Ethanol	1.719	45	1066m	0.498	ppbv		
14) Bromoethene	1.781	108	2971	0.536	ppbv	#	92
15) Acetone	1.836	43	14012	0.671	ppbv	#	88
16) 1,3-Butadiene	1.609	39	5488	0.616	ppbv		100
17) tert-Butyl alcohol	2.040	59	10333	0.549	ppbv	#	77
18) 1,1-Dichloroethene	2.033	96	4051	0.572	ppbv		77
19) Isopropyl Alcohol	1.888	45	6478	0.584	ppbv	#	81
20) Methylene Chloride	2.059	84	4500	0.684	ppbv		82
21) Allyl Chloride	2.098	41	6829	0.531	ppbv	#	80
22) trans-1,2-Dichloroethene	2.341	96	4186	0.551	ppbv		88
23) Vinyl Acetate	2.460	43	12423	0.491	ppbv	#	76
24) 1,1-Dichloroethane	2.405	63	7962	0.509	ppbv	#	91
25) Ethyl Acetate	2.836	43	23632	0.511	ppbv		97
26) Hexane	2.823	57	10019	0.494	ppbv		90
27) Carbon Disulfide	2.150	76	8670	0.499	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	4937	0.515	ppbv	#	79
29) Chloroform	2.849	83	17100	0.546	ppbv	#	82
30) Cyclohexane	3.855	84	8596	0.500	ppbv		89
31) cis-1,2-Dichloroethene	2.723	61	11032	0.529	ppbv		99
32) 1,1,1-Trichloroethane	3.367	97	16132	0.494	ppbv		97
34) 2-Butanone	2.557	43	16299	0.515	ppbv		94
35) Carbon Tetrachloride	3.761	117	15207	0.458	ppbv		90
36) Benzene	3.651	78	21800	0.515	ppbv		96
37) 1,2-Dichloroethane	3.215	62	13299	0.521	ppbv	#	95
38) Trichloroethene	4.548	130	10097m	0.494	ppbv		
39) 1,2-Dichloropropane	4.312	63	8291	0.530	ppbv	#	90
40) 1,4-Dioxane	4.606	88	3963m	0.538	ppbv		
41) Tetrahydrofuran	3.056	42	8064m	0.507	ppbv		
42) Bromodichloromethane	4.487	83	16080m	0.484	ppbv		
43) Methyl Methacrylate	4.881	69	7162m	0.476	ppbv		
44) 2,2,4-Trimethylpentane	4.639	57	33853	0.490	ppbv		93
45) t-1,3-Dichloropropene	6.412	75	7968m	0.472	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	9709m	0.454	ppbv		
47) 1,1,2-Trichloroethane	6.574	97	8782m	0.527	ppbv		
48) Dibromochloromethane	7.383	129	12723m	0.481	ppbv		
49) Bromoform	9.481	173	10801	0.468	ppbv		97
50) 4-Methyl-2-Pentanone	5.768	43	19575m	0.486	ppbv		
51) 2-Hexanone	7.448	43	12813m	0.416	ppbv		
52) Tetrachloroethene	8.218	164	8359	0.475	ppbv	#	81
53) Toluene	6.924	91	21324	0.469	ppbv		95
54) 1,2-Dibromoethane	7.649	107	12294m	0.521	ppbv		
56) 1,1,1,2-Tetrachloroethane	8.924	131	11191	0.527	ppbv	#	1
57) Chlorobenzene	8.921	112	20828	0.527	ppbv	#	84
58) Ethyl Benzene	9.354	91	29134	0.451	ppbv		96
59) m/p-Xylene	9.549	91	47028m	0.912	ppbv		
60) o-Xylene	9.963	91	23603	0.458	ppbv		100
61) Styrene	9.872	104	9195	0.424	ppbv		97
62) Isopropylbenzene	10.539	105	35189	0.463	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.956	83	15544	0.463	ppbv		99
64) n-propylbenzene	10.989	120	8924	0.450	ppbv		99
65) tert-Butylbenzene	11.529	119	30560	0.453	ppbv		95
66) Benzyl Chloride	11.617	91	2336m	0.421	ppbv		
67) sec-Butylbenzene	11.766	105	44169	0.460	ppbv		100
69) p-Isopropyltoluene	11.924	119	33104	0.423	ppbv		99
70) n-Butylbenzene	12.280	91	29048	0.384	ppbv		99
71) 2-Chlorotoluene	10.902	91	27184	0.466	ppbv		97
72) 4-Ethyltoluene	11.125	105	26395	0.429	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.206	105	22392	0.442	ppbv	#	85
74) 1,2,4-Trimethylbenzene	11.536	105	22772	0.412	ppbv		96
75) 1,3-Dichlorobenzene	11.607	146	18680	0.482	ppbv		96
76) 1,4-Dichlorobenzene	11.669	146	17616	0.465	ppbv		97
77) 1,2-Dichlorobenzene	11.947	146	18799	0.494	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	18330	0.532	ppbv		99
79) Naphthalene	13.514	128	9916	0.592	ppbv		97
80) Naphthalene,2-methyl-	14.481	142	731	1.148	ppbv	#	61
81) 1,2,4-Trichlorobenzene	13.436	180	7453	0.645	ppbv		95

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

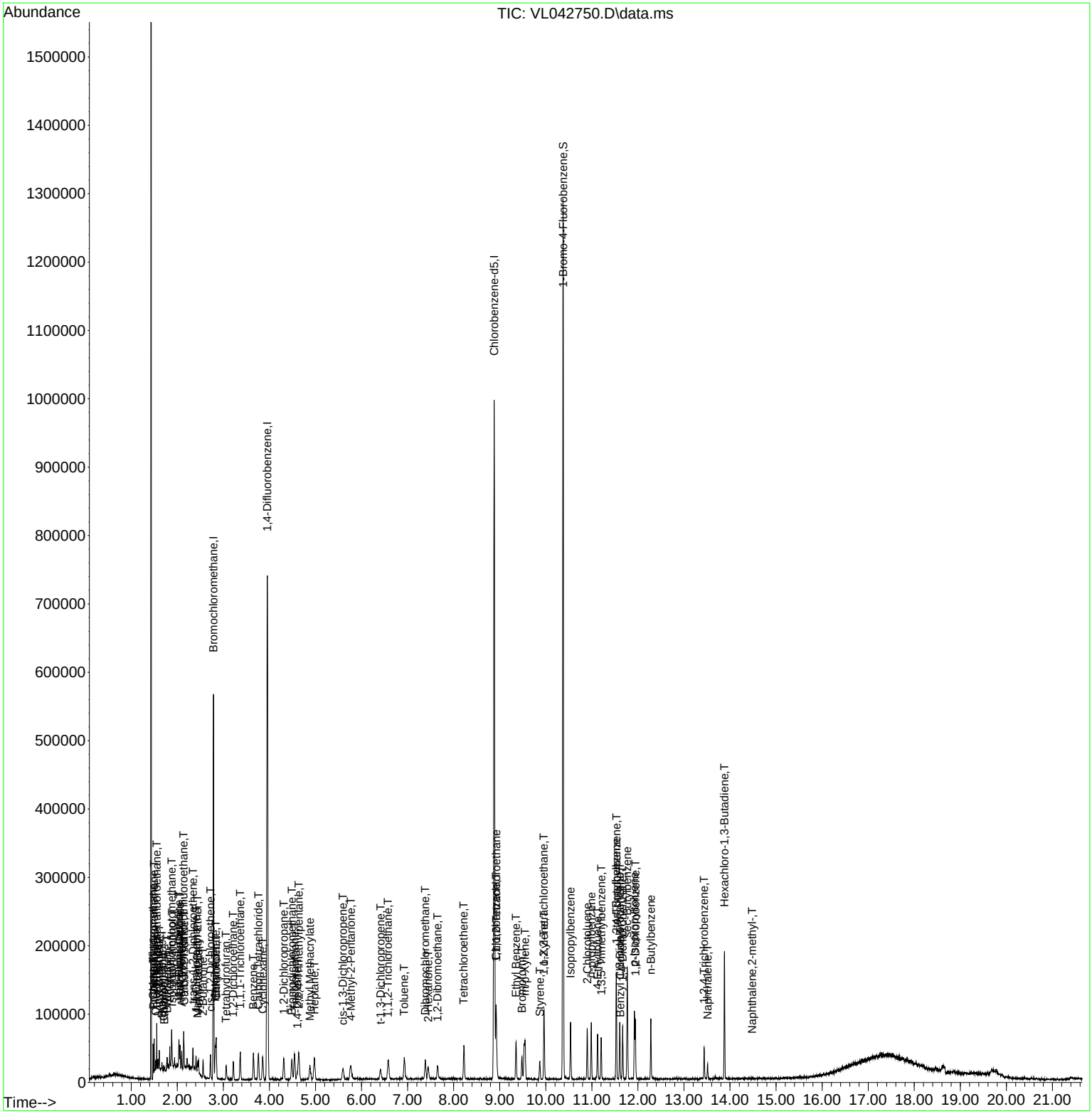
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

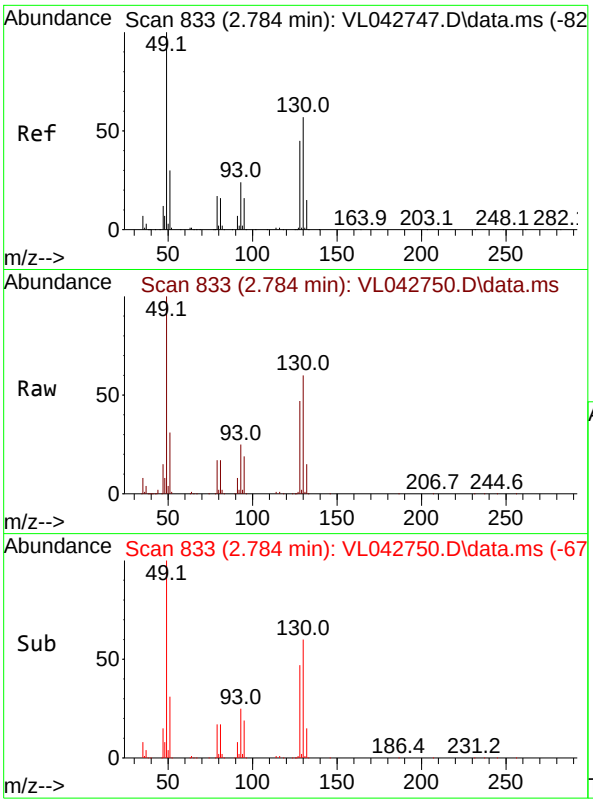
Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

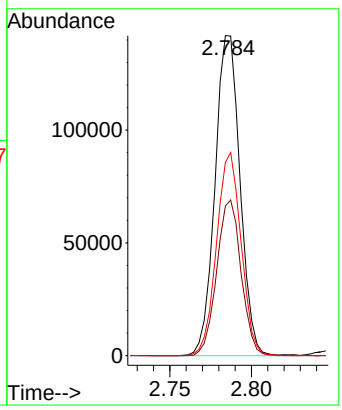




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 49 Resp: 15125

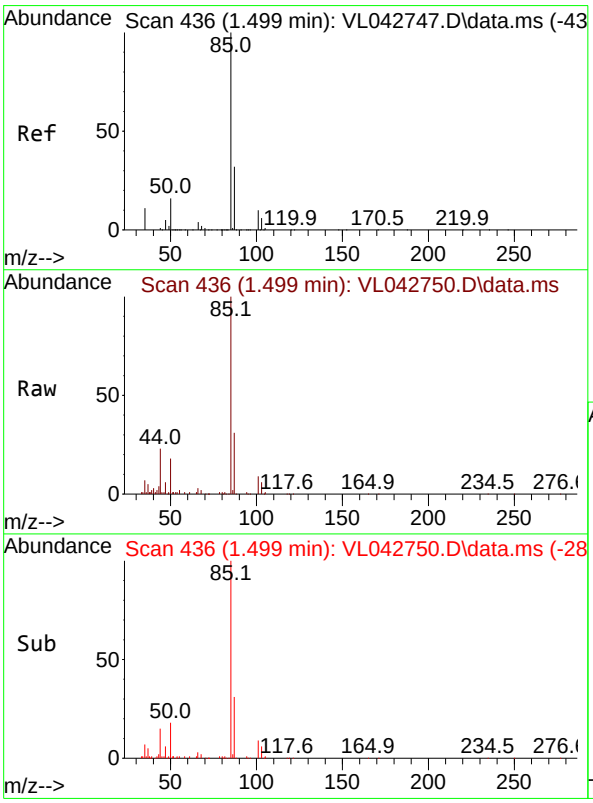
Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	62.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

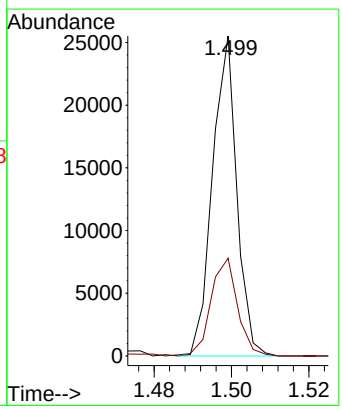
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

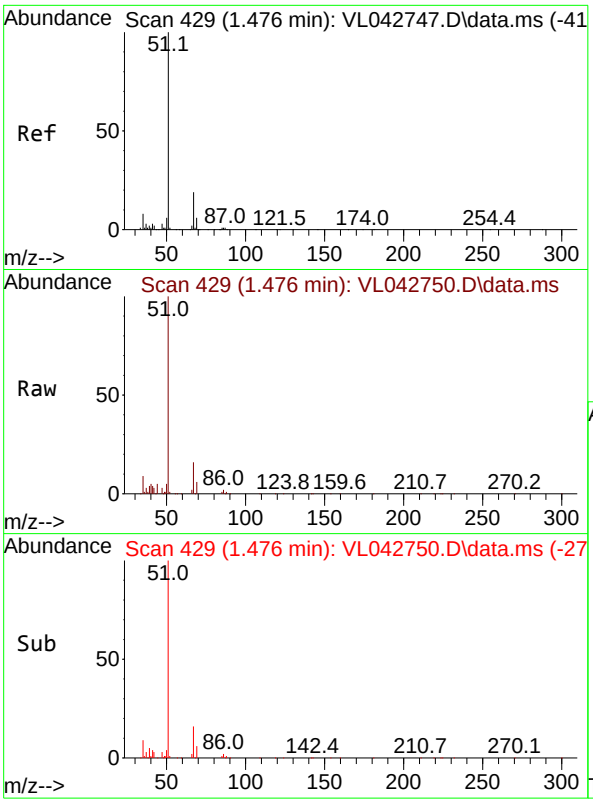


#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 11099

Ion	Ratio	Lower	Upper
85	100		
87	30.6	25.4	38.2

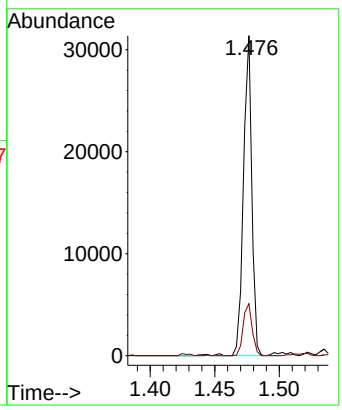




#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 51 Resp: 1429

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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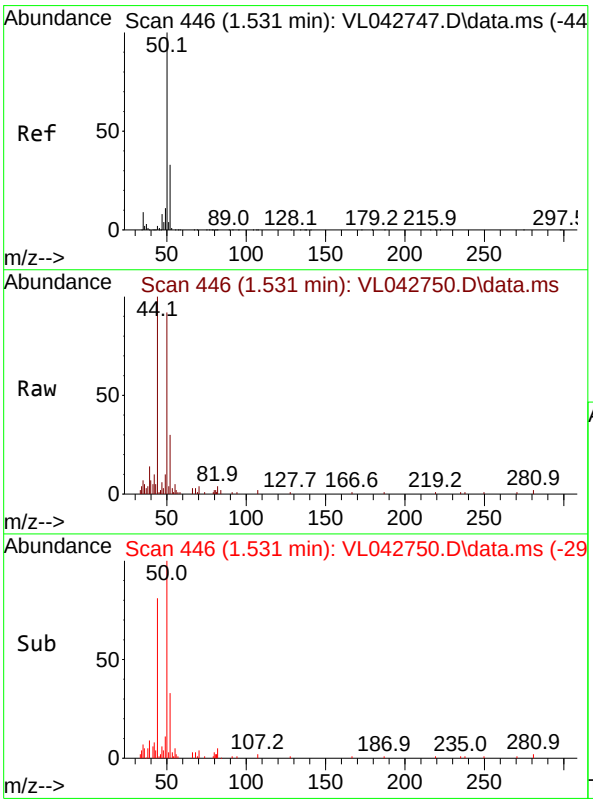
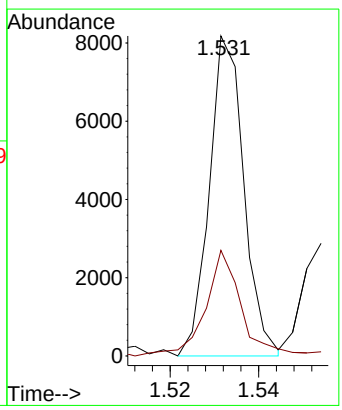
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

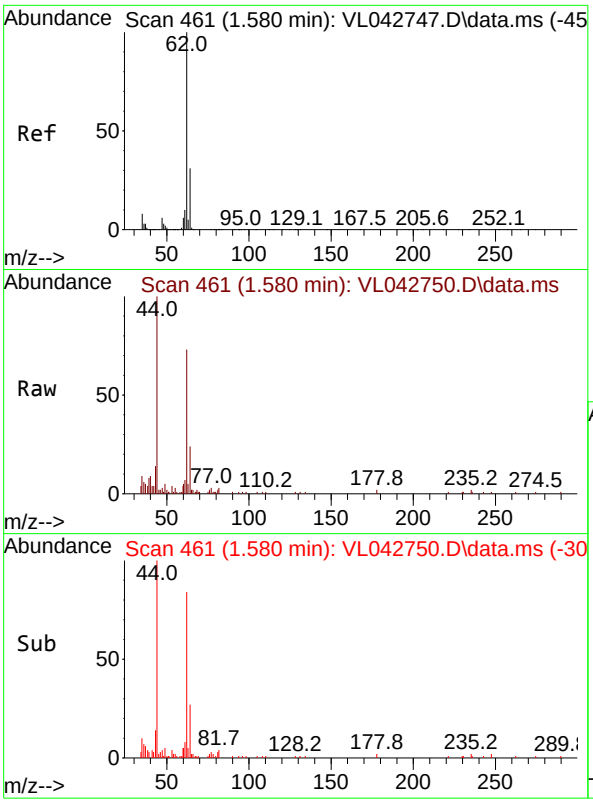


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 50 Resp: 4428

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0

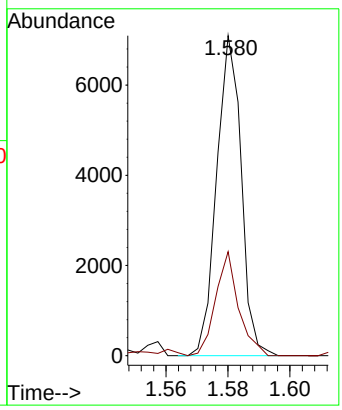




#5
Vinyl Chloride
Concen: 0.488 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 62 Resp: 390

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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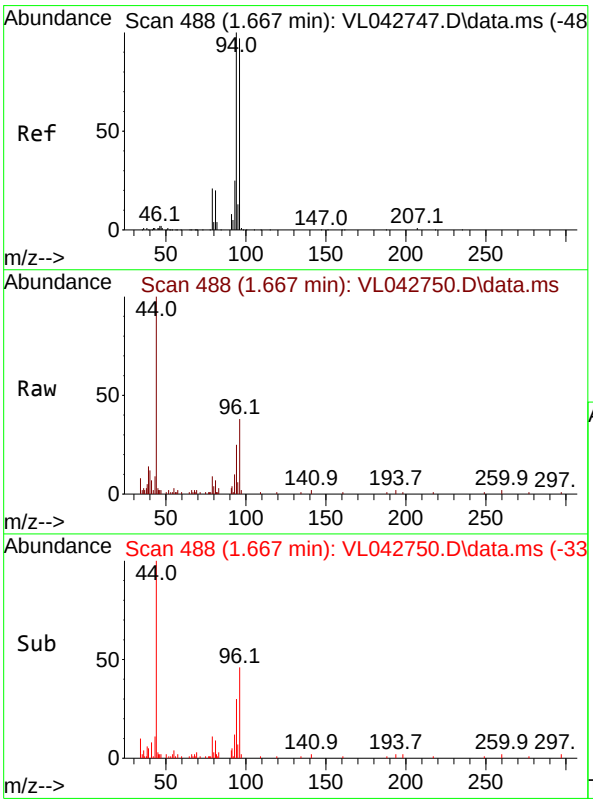
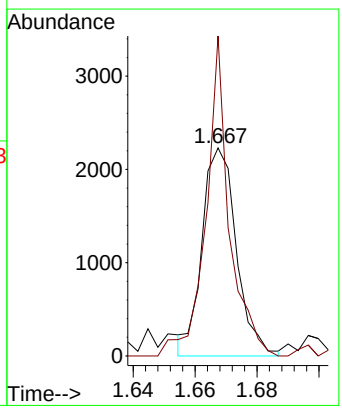
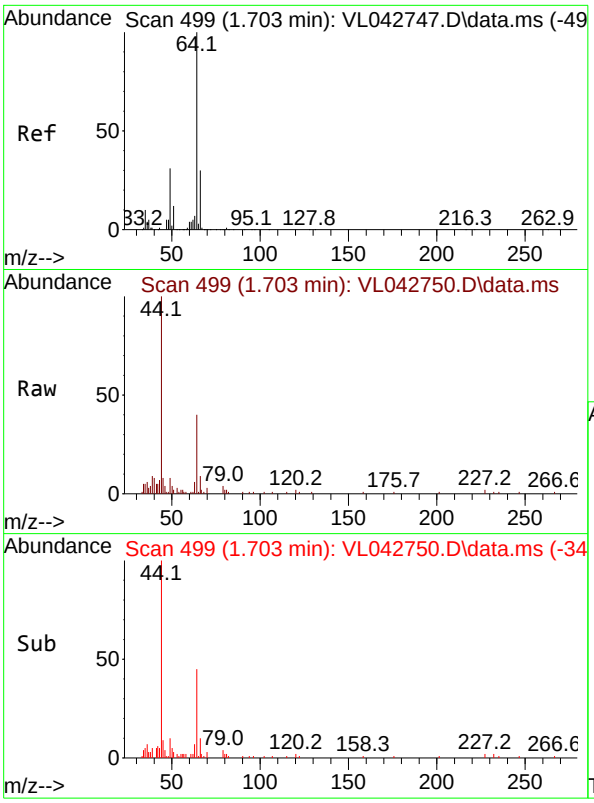


#6
Bromomethane
Concen: 0.556 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 94 Resp: 1717

Ion	Ratio	Lower	Upper
94	100		
96	157.5	77.6	116.4#

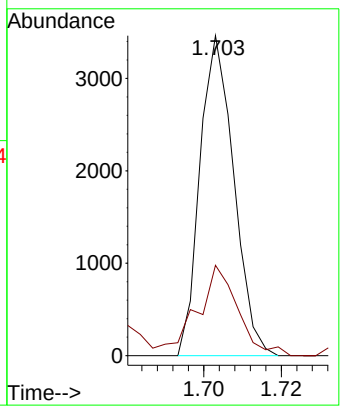




#7
Chloroethane
Concen: 0.681 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 64 Resp: 210

Ion	Ratio	Lower	Upper
64	100		
66	28.3	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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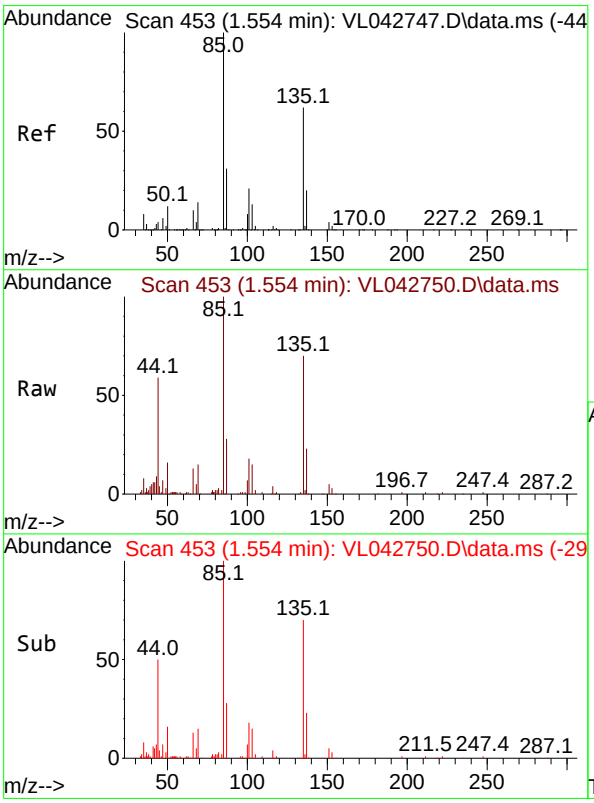
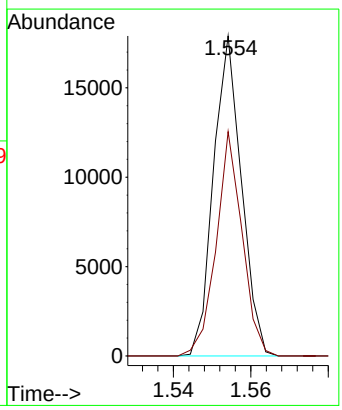
Supervised By :Mahesh Dadoda 07/24/2025

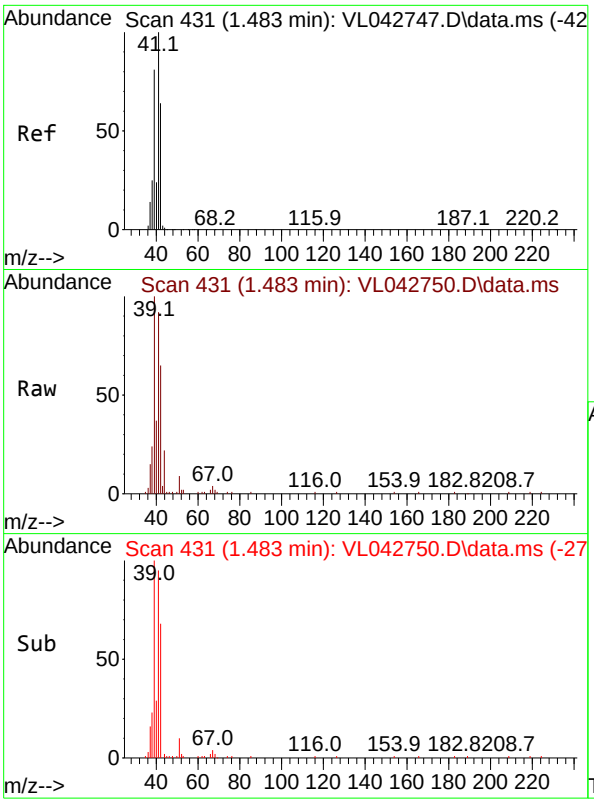


#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 8971

Ion	Ratio	Lower	Upper
85	100		
135	65.3	50.6	76.0

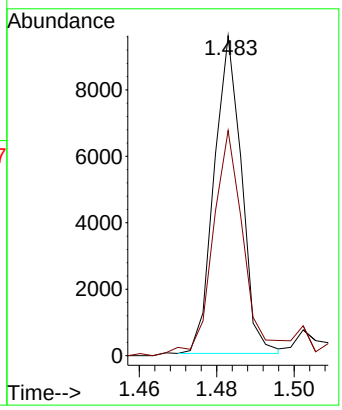




#9
Propene
Concen: 0.496 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 41 Resp: 469

Ion	Ratio	Lower	Upper
41	100		
42	84.9	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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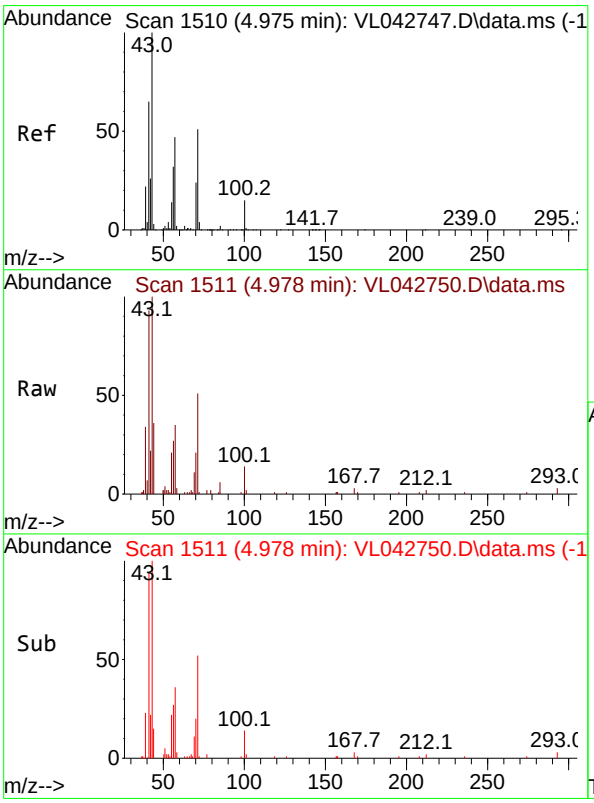
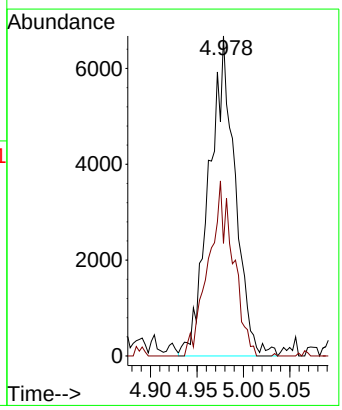
Supervised By :Mahesh Dadoda 07/24/2025

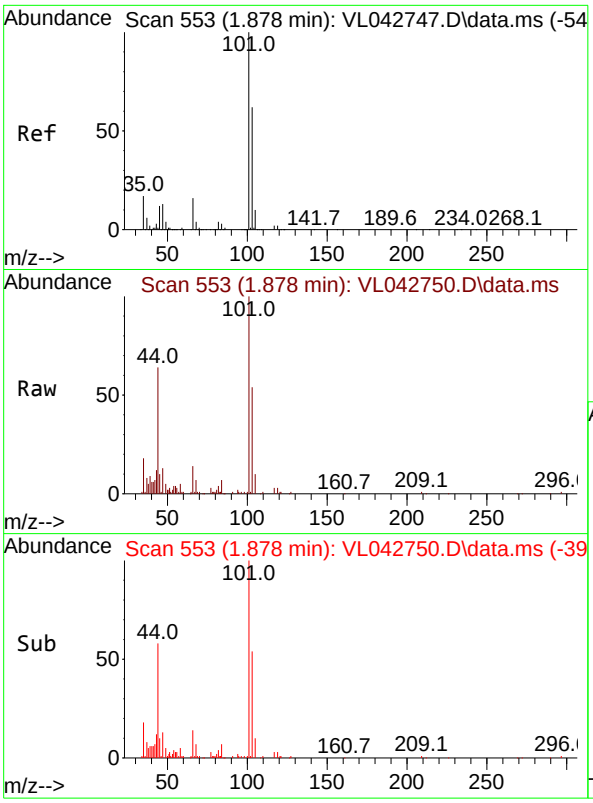


#10
Heptane
Concen: 0.511 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 13003

Ion	Ratio	Lower	Upper
43	100		
57	51.9	39.9	59.9

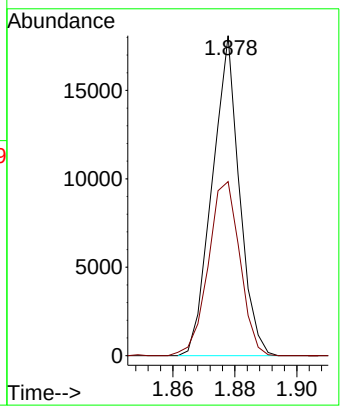




#11
Trichlorofluoromethane
Concen: 0.535 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 1102

Ion	Ratio	Lower	Upper
101	100		
103	54.4	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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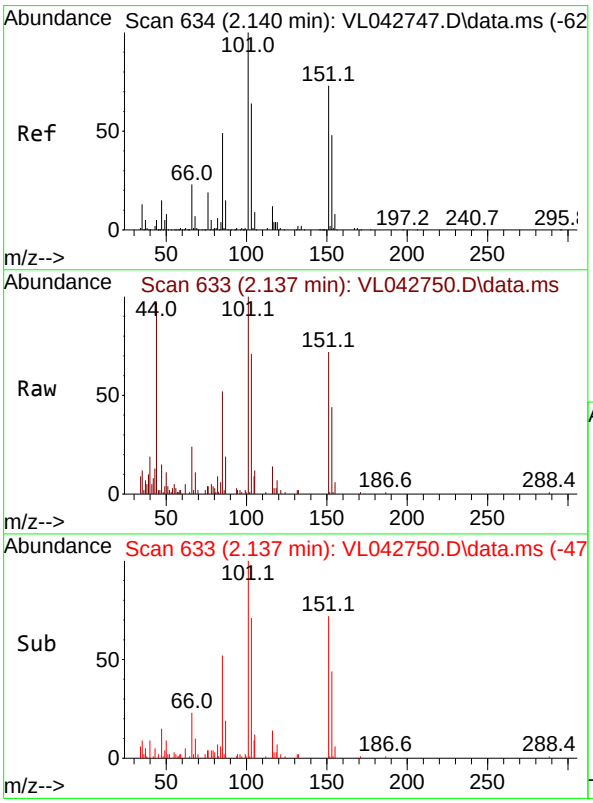
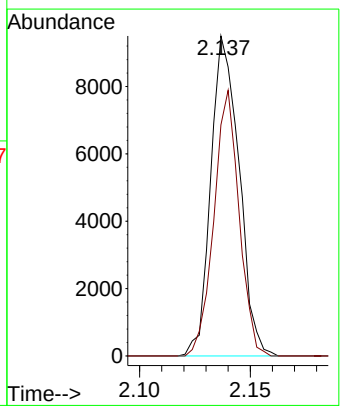
Supervised By :Mahesh Dadoda 07/24/2025

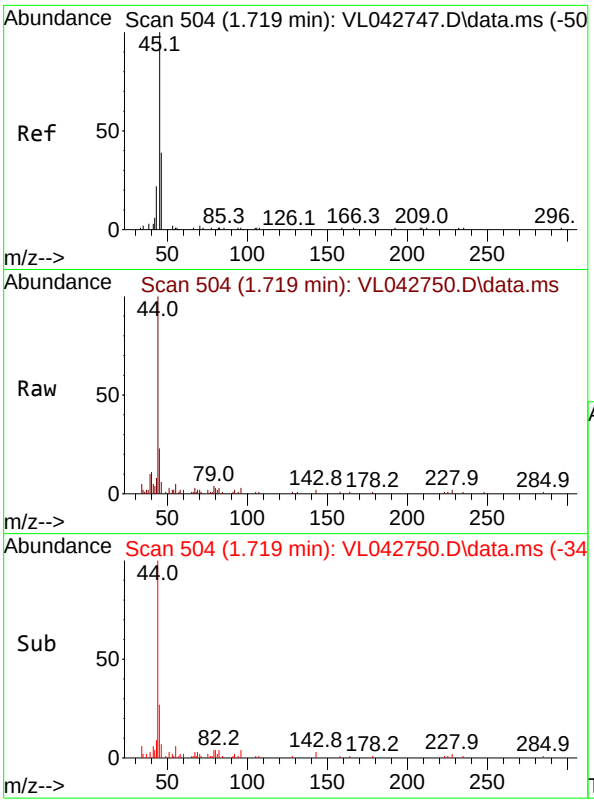


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.538 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 8430

Ion	Ratio	Lower	Upper
101	100		
151	74.0	60.5	90.7

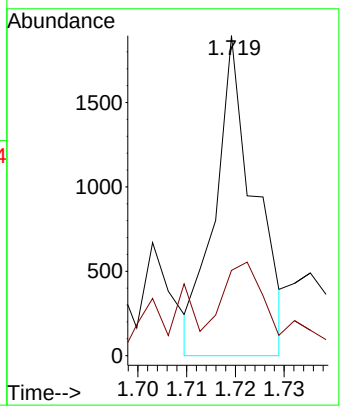




#13
Ethanol
Concen: 0.498 ppbv m
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 45 Resp: 106(

Ion	Ratio	Lower	Upper
45	100		
46	81.1	17.8	71.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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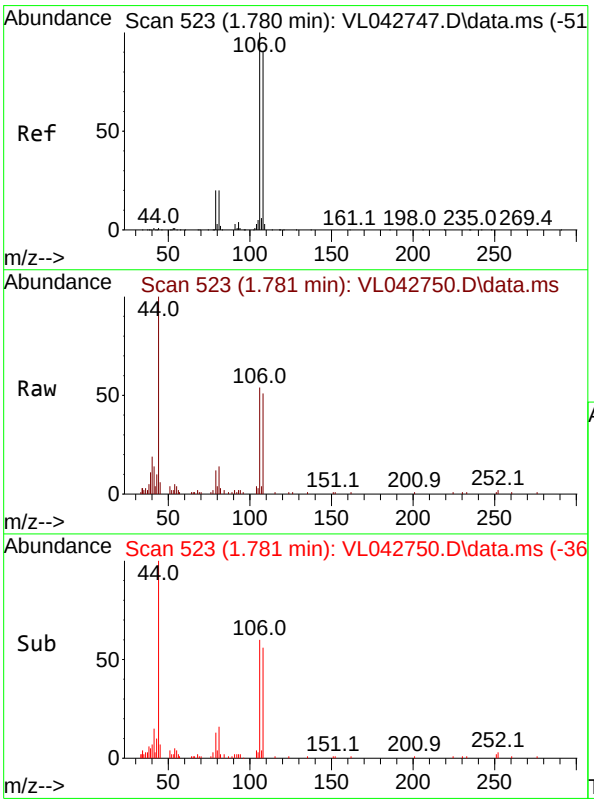
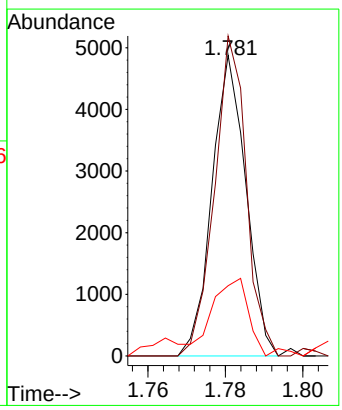
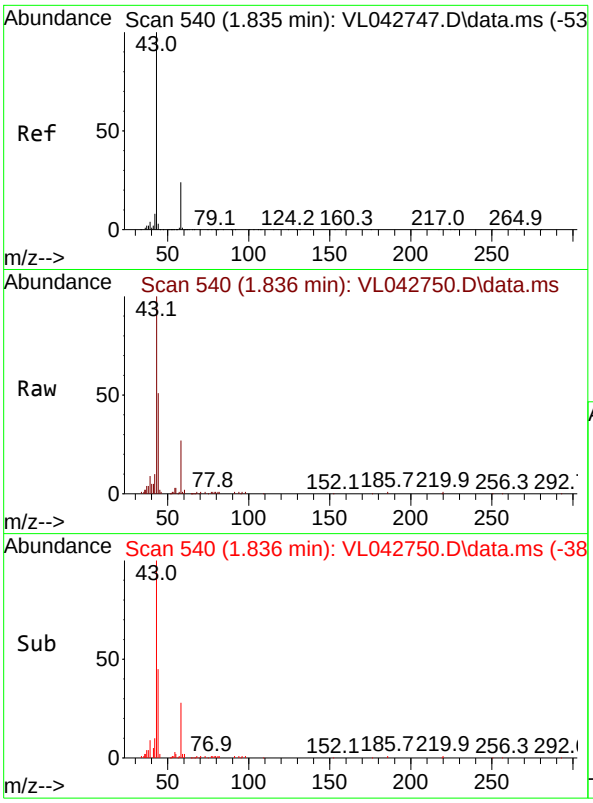


#14
Bromoethene
Concen: 0.536 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:108 Resp: 2971

Ion	Ratio	Lower	Upper
108	100		
106	102.0	84.7	127.1
79	35.4	17.4	26.2#

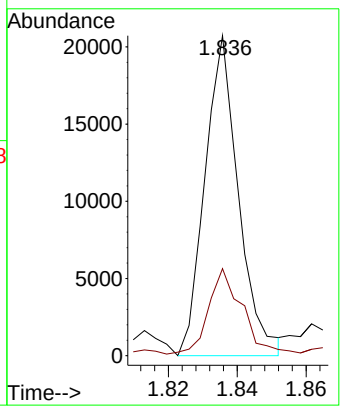




#15
Acetone
Concen: 0.671 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 1401

Ion	Ratio	Lower	Upper
43	100		
58	30.8	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
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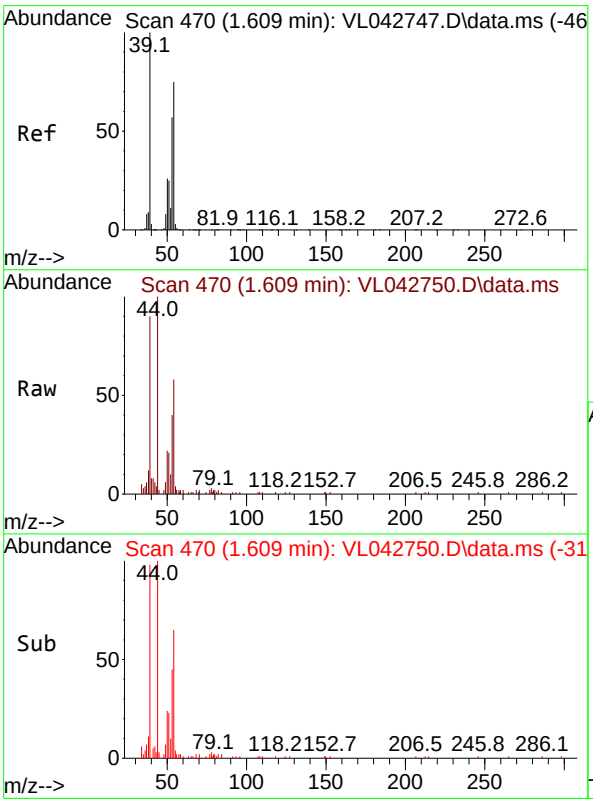
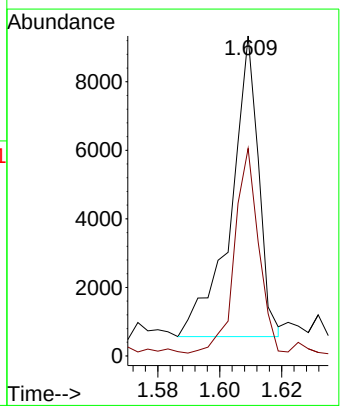
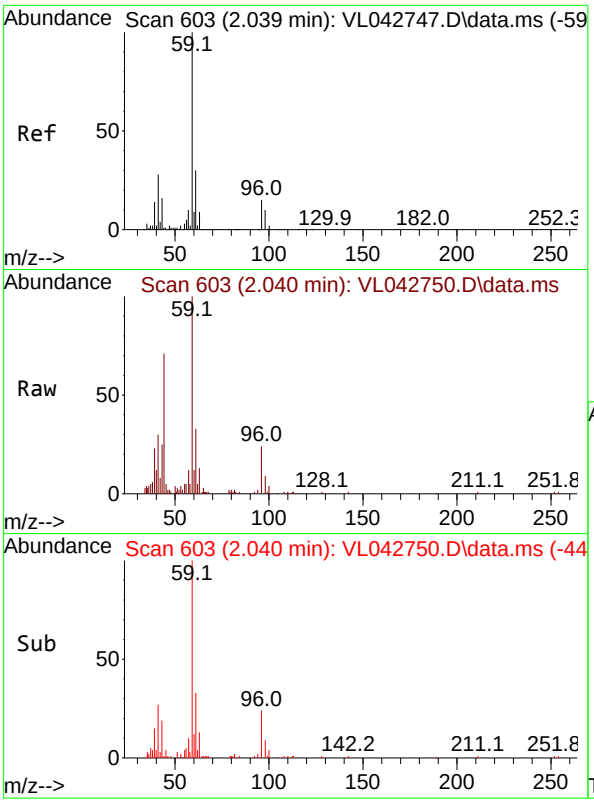


#16
1,3-Butadiene
Concen: 0.616 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 39 Resp: 5488

Ion	Ratio	Lower	Upper
39	100		
54	67.8	54.5	81.7





#17
tert-Butyl alcohol
Concen: 0.549 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 59 Resp: 1033

Ion	Ratio	Lower	Upper
59	100		
57	19.1	8.3	12.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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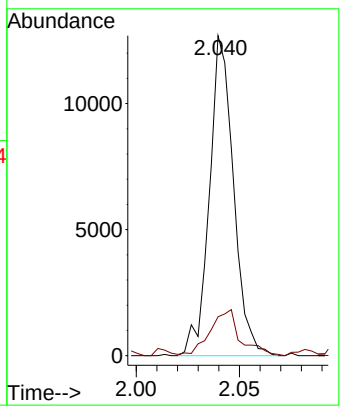
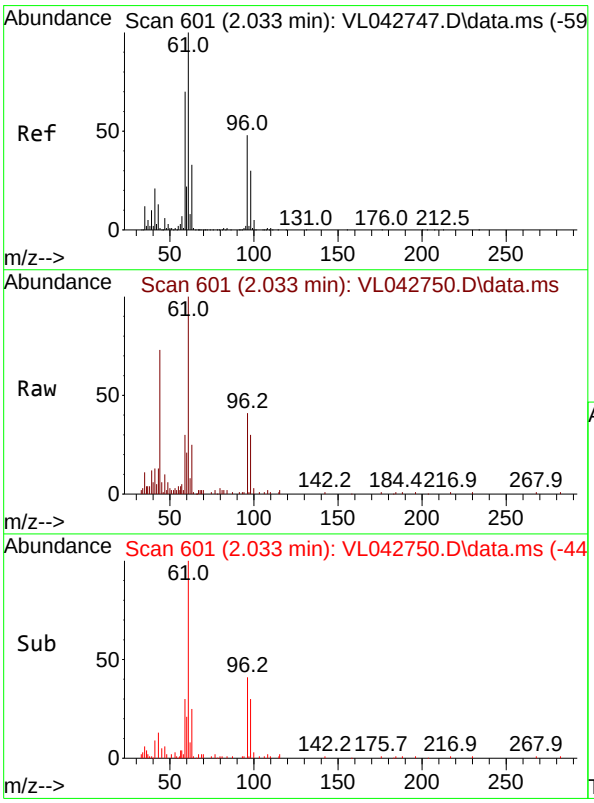
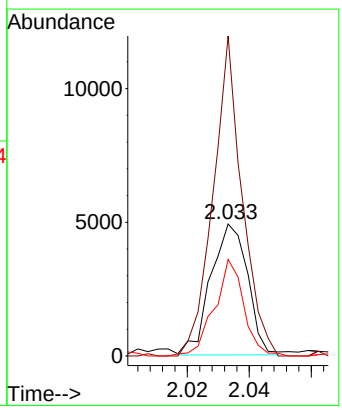


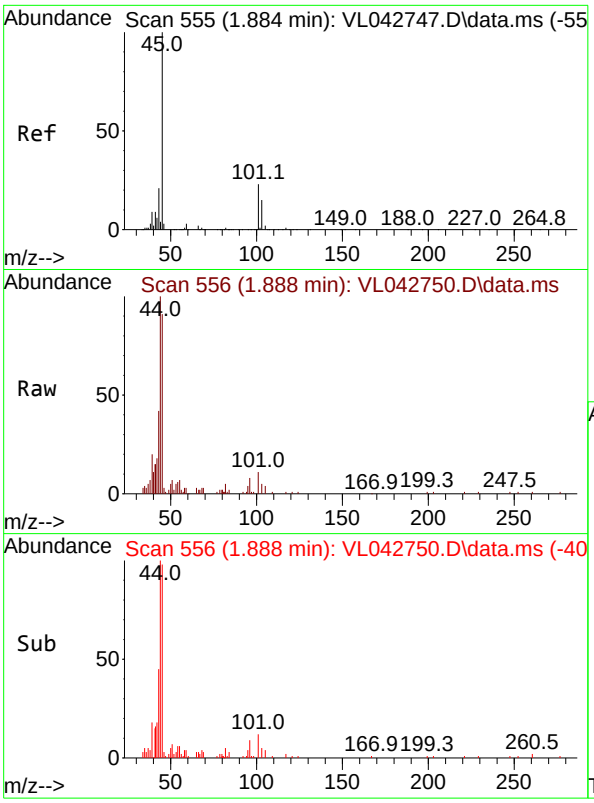


#18
1,1-Dichloroethene
Concen: 0.572 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4051

Ion	Ratio	Lower	Upper
96	100		
61	246.6	165.8	248.6
98	72.7	49.9	74.9





#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 45 Resp: 647

Ion	Ratio	Lower	Upper
45	100		
58	25.9	30.0	45.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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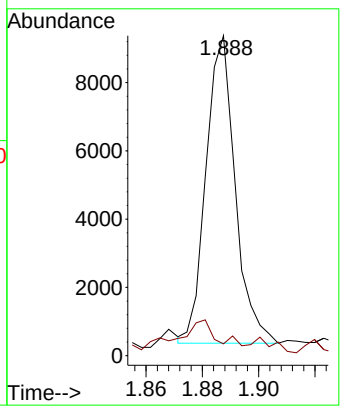
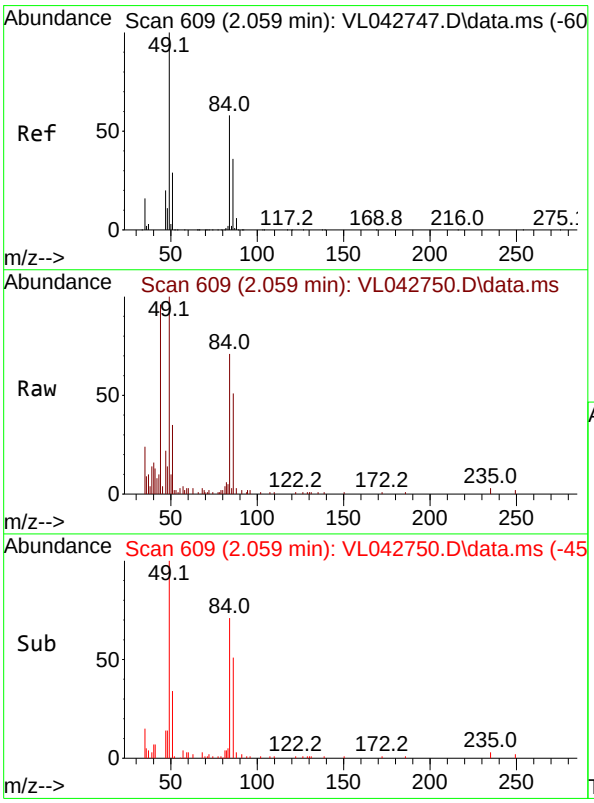
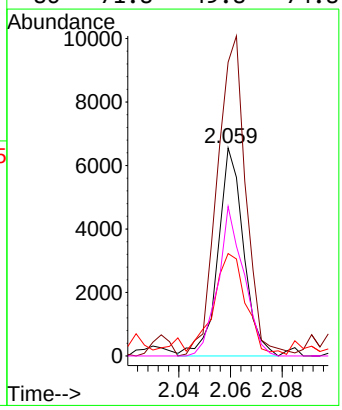


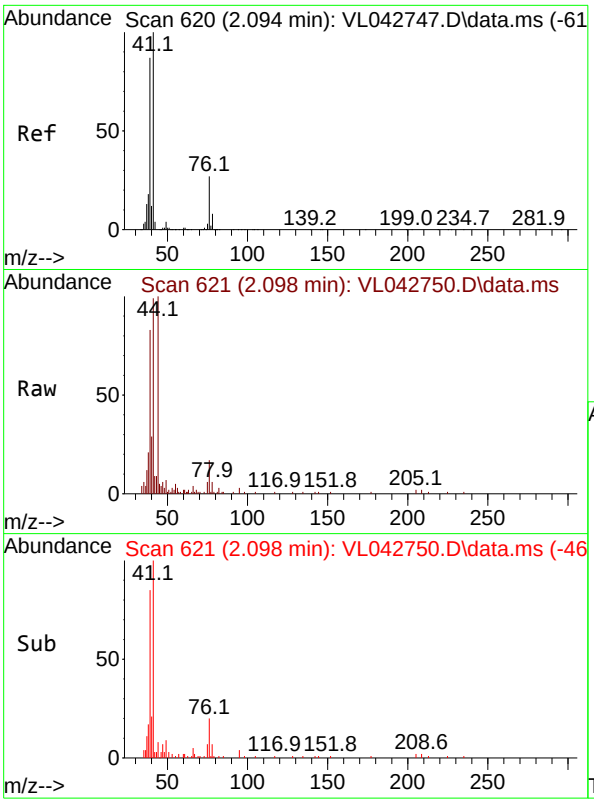


#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 4500

Ion	Ratio	Lower	Upper
84	100		
49	141.2	138.6	208.0
51	46.8	40.6	61.0
86	71.8	49.8	74.8

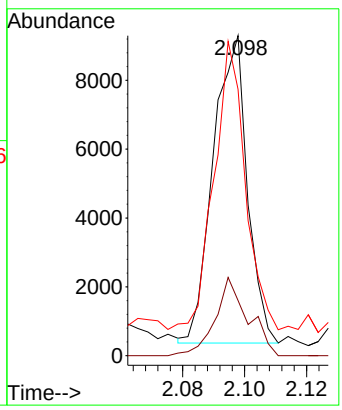




#21
Allyl Chloride
Concen: 0.531 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 41 Resp: 682

Ion	Ratio	Lower	Upper
41	100		
76	24.4	21.1	31.7
39	108.8	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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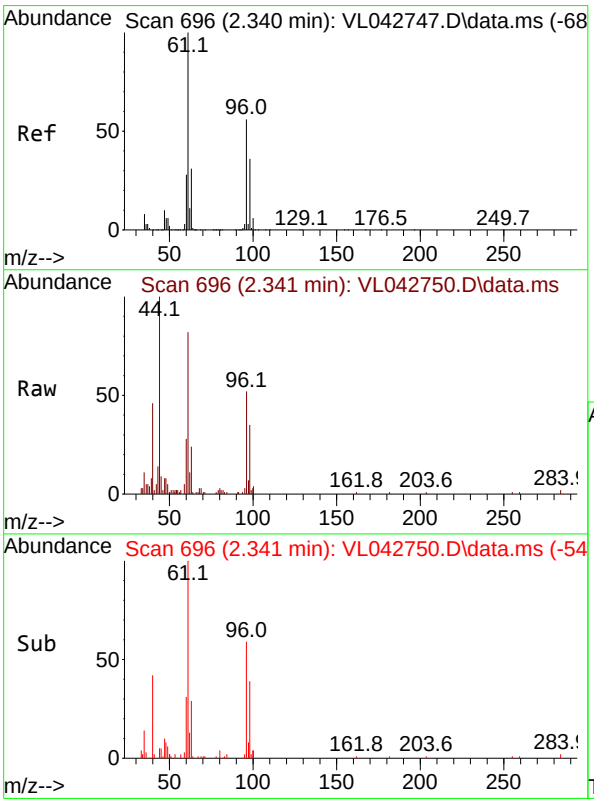
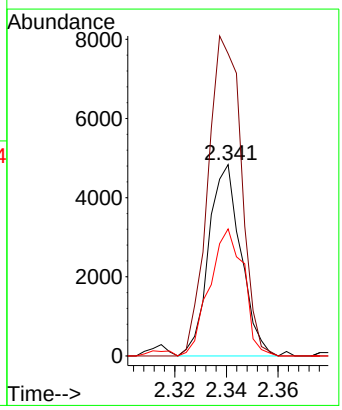
Supervised By :Mahesh Dadoda 07/24/2025

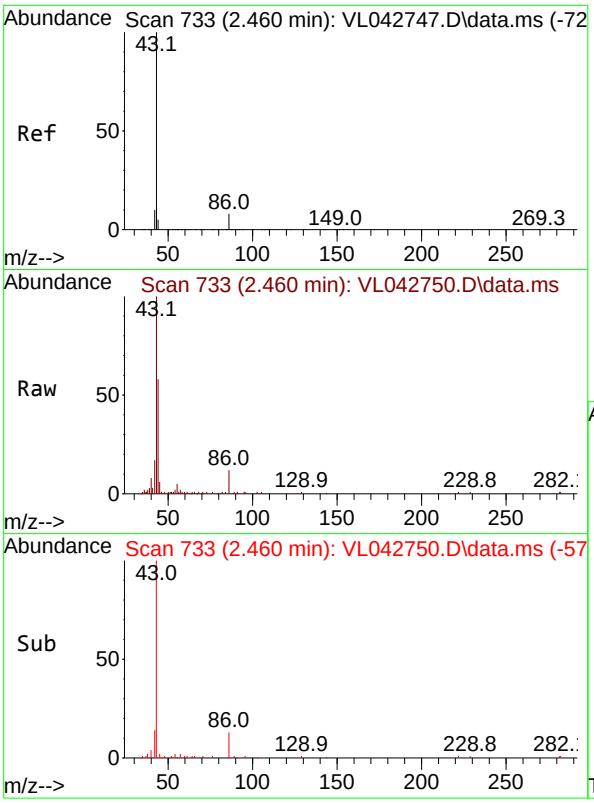


#22
trans-1,2-Dichloroethene
Concen: 0.551 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4186

Ion	Ratio	Lower	Upper
96	100		
61	157.9	142.3	213.5
98	66.4	50.6	76.0

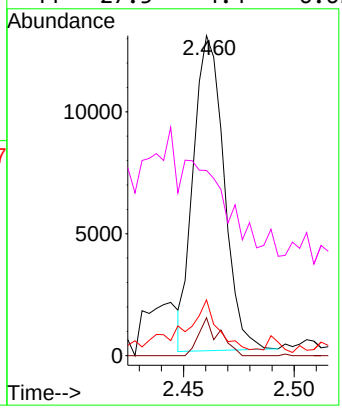




#23
Vinyl Acetate
Concen: 0.491 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 1242

Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.1	9.1#
42	13.5	7.8	11.8#
44	27.5	4.4	6.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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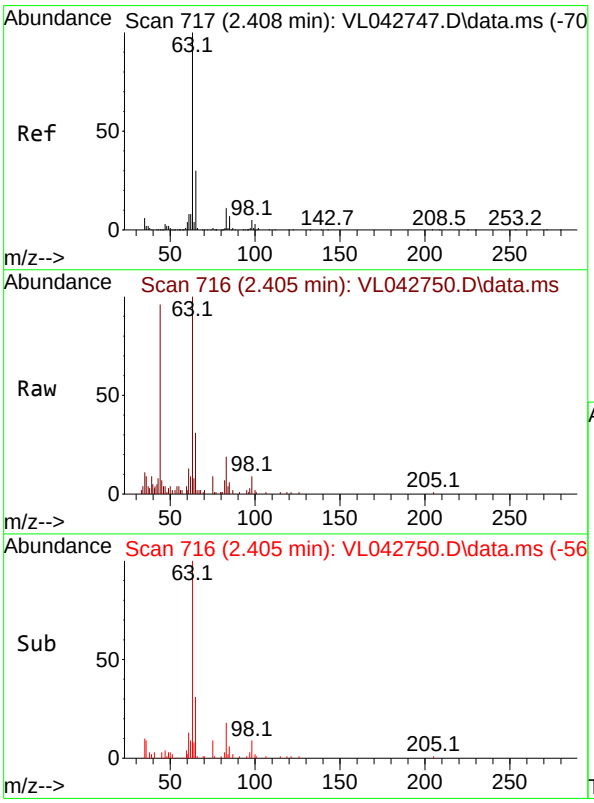
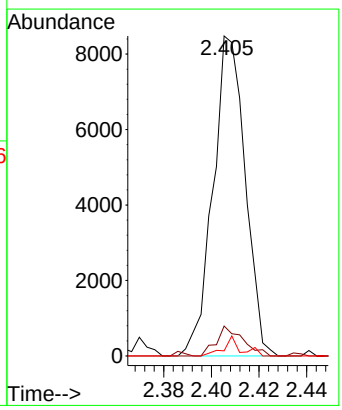
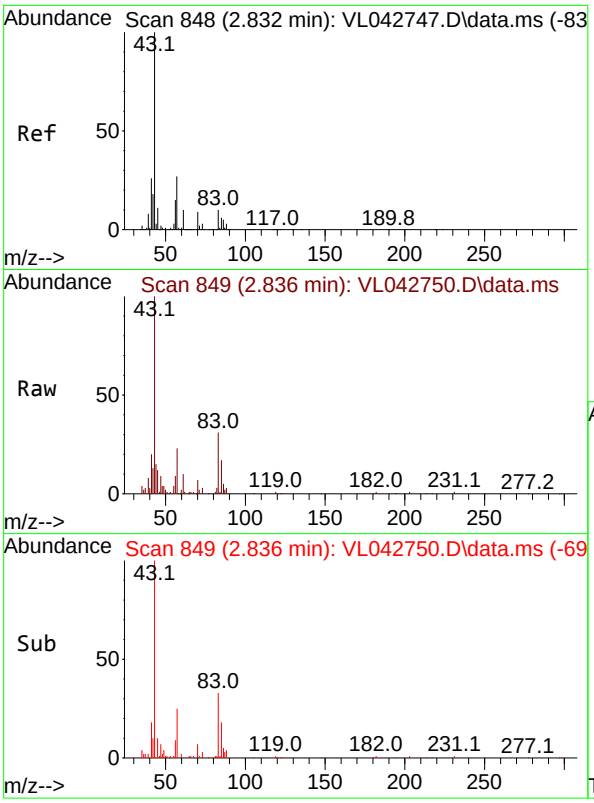


#24
1,1-Dichloroethane
Concen: 0.509 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 63 Resp: 7962

Ion	Ratio	Lower	Upper
63	100		
98	9.4	2.5	7.4#
100	2.8	1.6	4.8

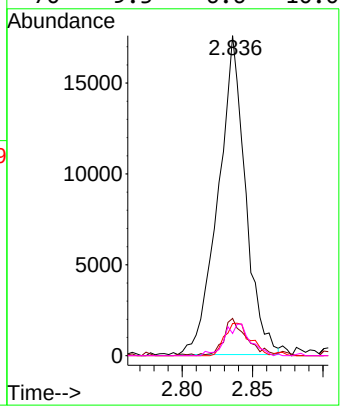




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 2363

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	9.8	6.7	10.1
70	9.3	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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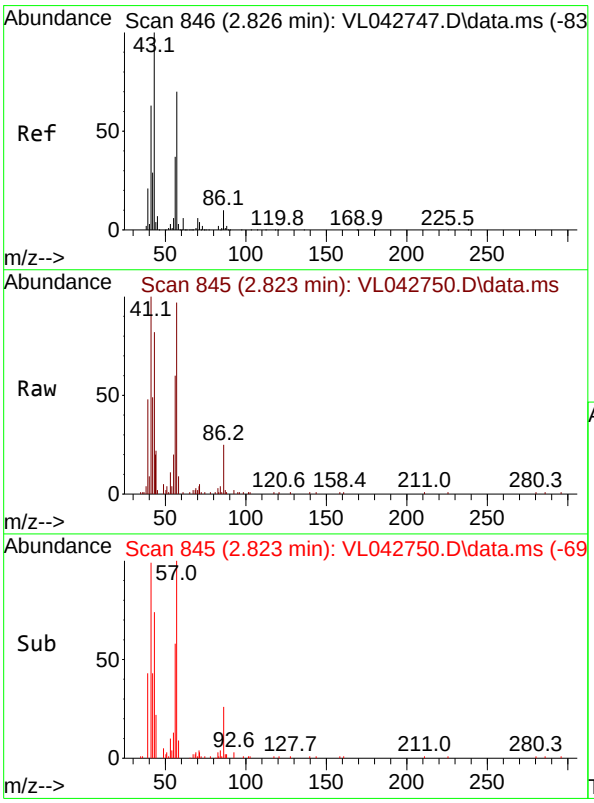
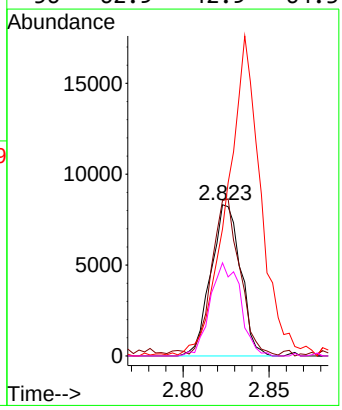
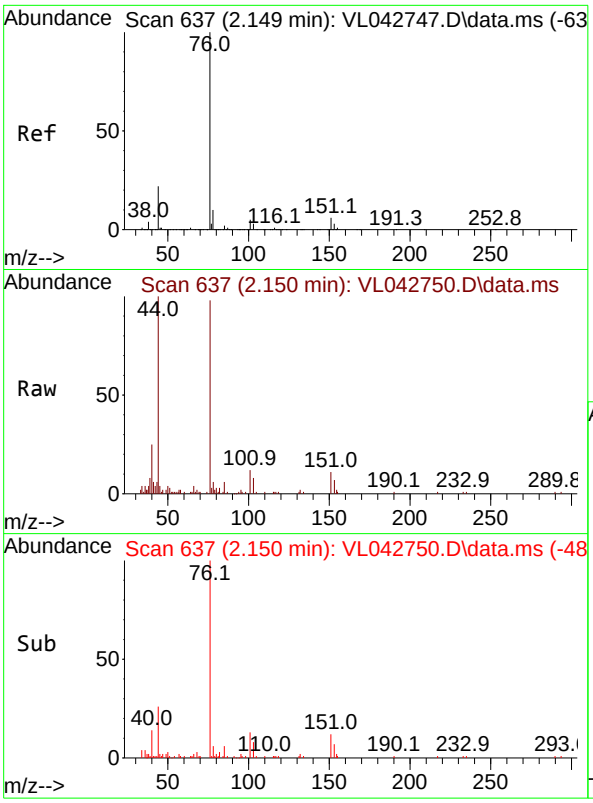


#26
Hexane
Concen: 0.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 10019

Ion	Ratio	Lower	Upper
57	100		
41	107.1	75.4	113.2
43	244.9	185.0	277.6
56	62.9	42.9	64.3





#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 76 Resp: 867

Ion	Ratio	Lower	Upper
76	100		
44	203.7	19.3	28.9#
78	19.1	9.9	14.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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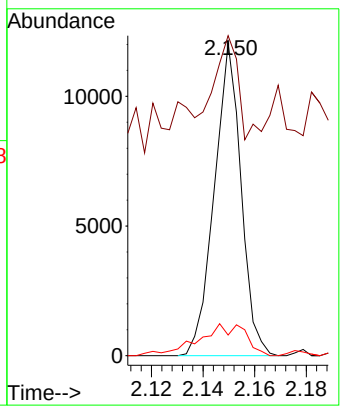
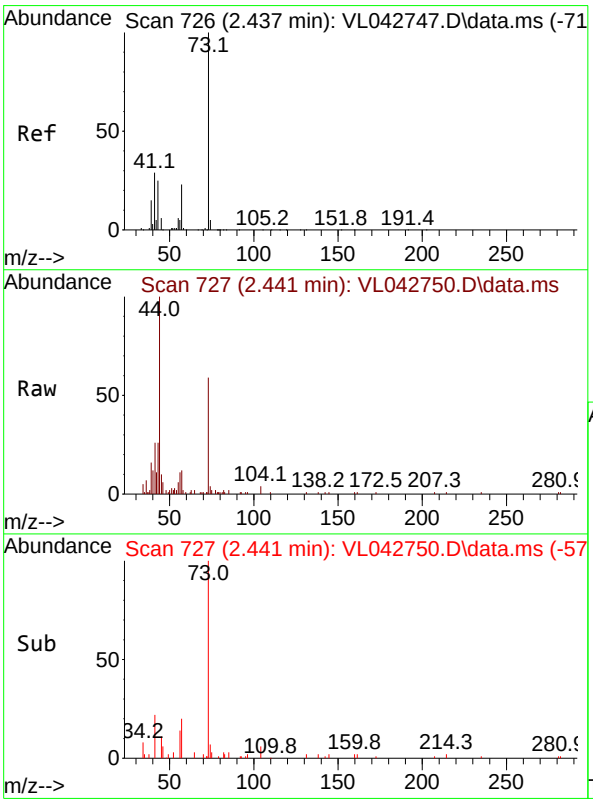
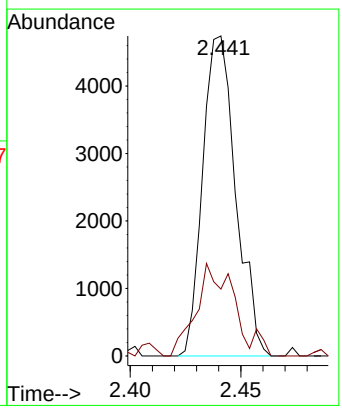


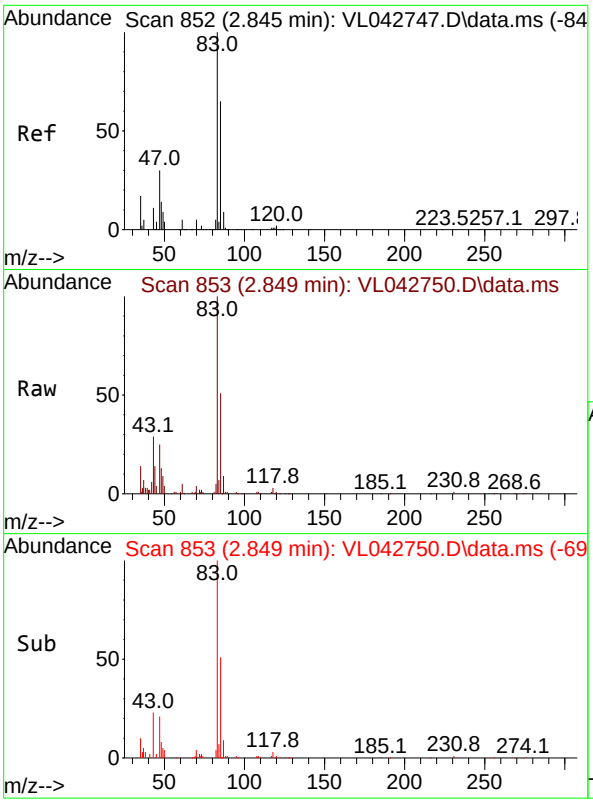


#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 73 Resp: 4937

Ion	Ratio	Lower	Upper
73	100		
57	35.2	19.8	29.8#





#29
Chloroform
Concen: 0.546 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 1710

Ion	Ratio	Lower	Upper
83	100		
85	50.7	52.2	78.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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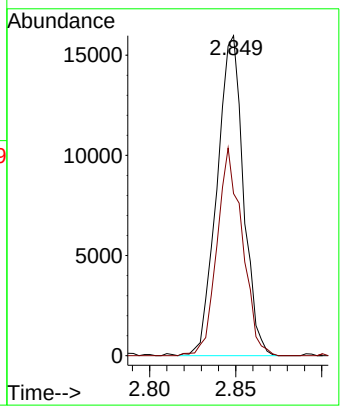
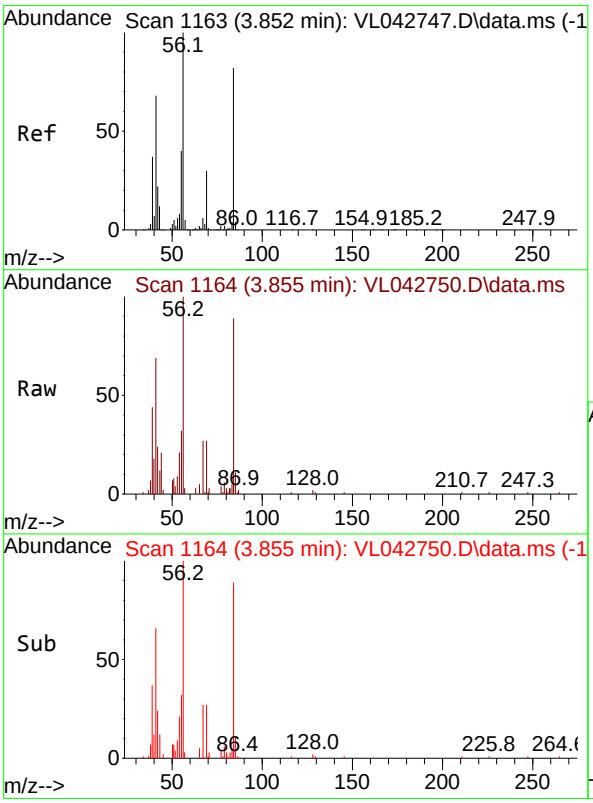
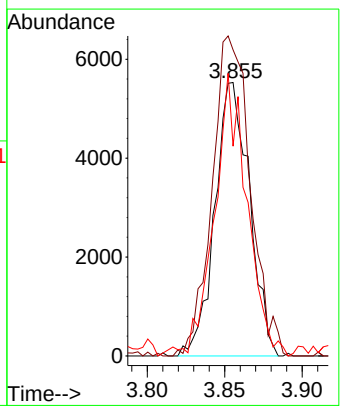


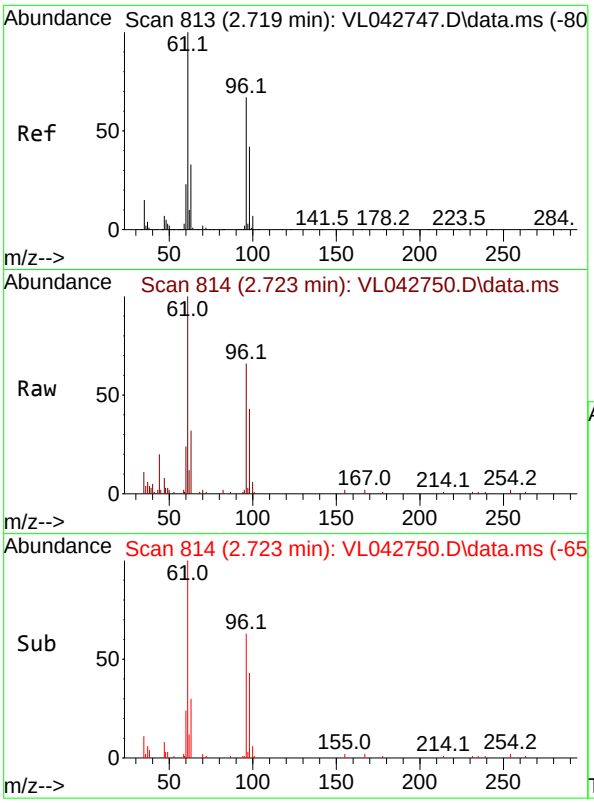


#30
Cyclohexane
Concen: 0.500 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 8596

Ion	Ratio	Lower	Upper
84	100		
56	129.6	97.5	146.3
41	98.8	67.2	100.8

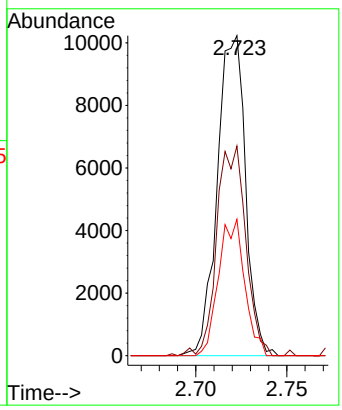




#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 61 Resp: 1103

Ion	Ratio	Lower	Upper
61	100		
96	65.5	53.5	80.3
98	42.6	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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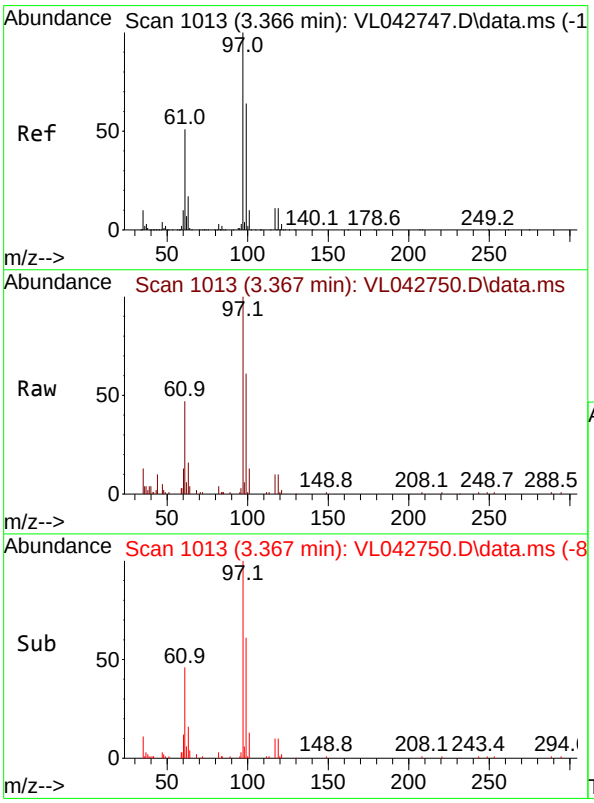
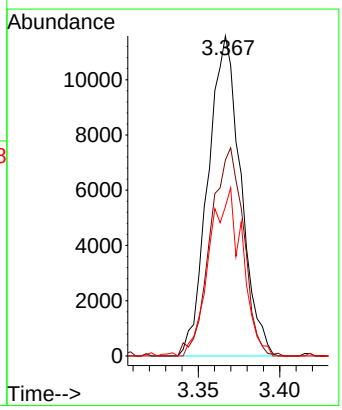
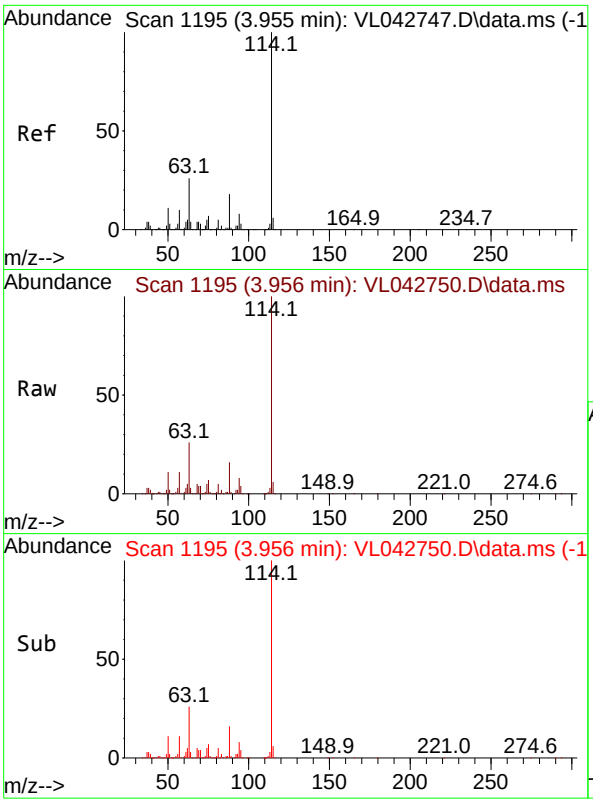


#32
1,1,1-Trichloroethane
Concen: 0.494 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 16132

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	53.8	40.9	61.3

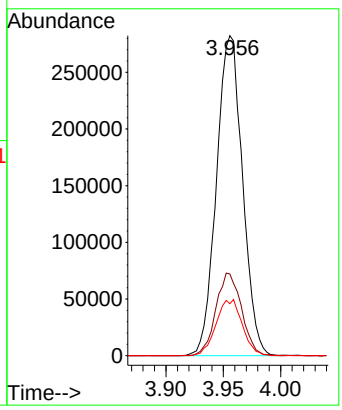




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:114 Resp: 44683

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.7	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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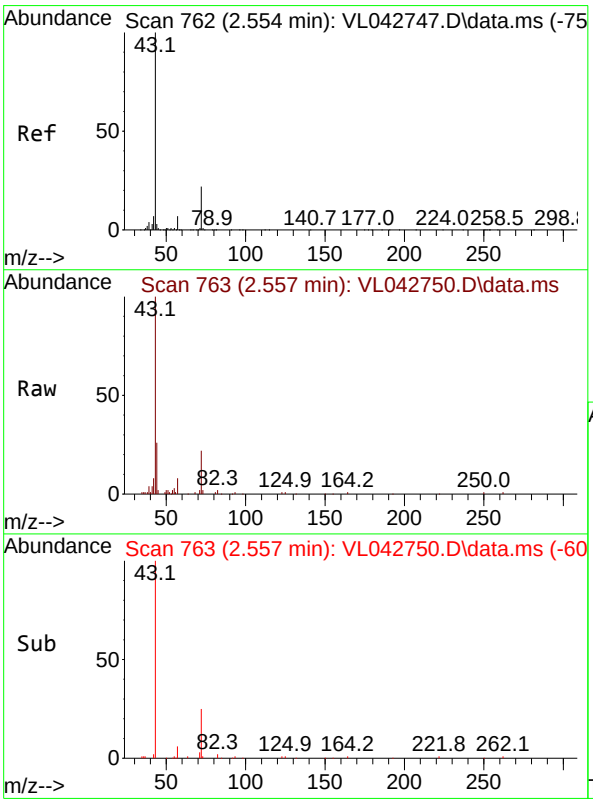
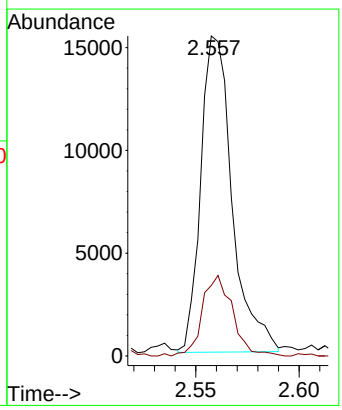
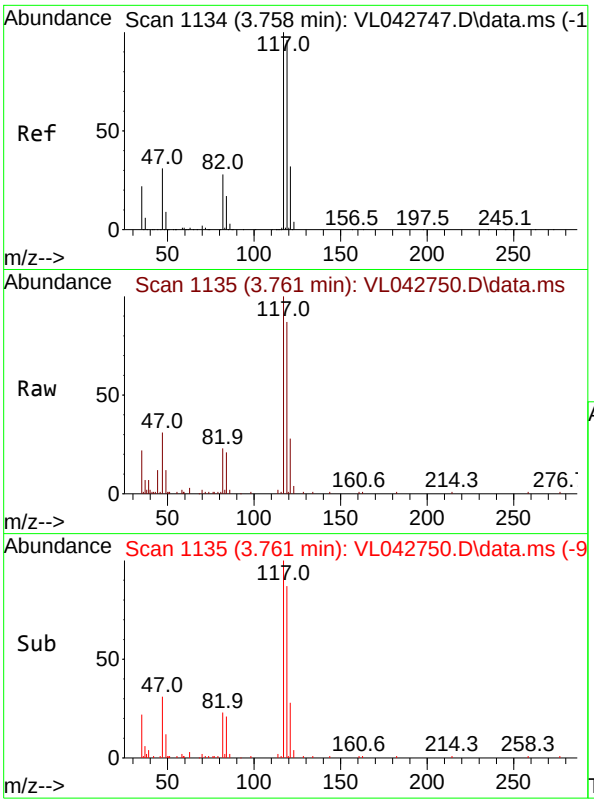


#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 16299

Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.0

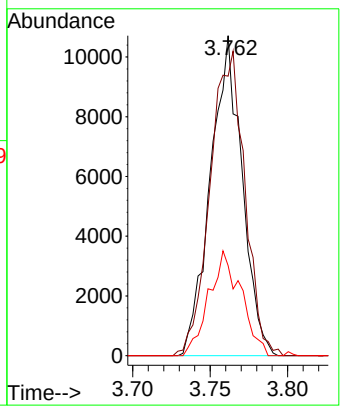




#35
Carbon Tetrachloride
Concen: 0.458 ppbv
RT: 3.761 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:117 Resp: 1520

Ion	Ratio	Lower	Upper
117	100		
119	86.0	77.1	115.7
121	28.2	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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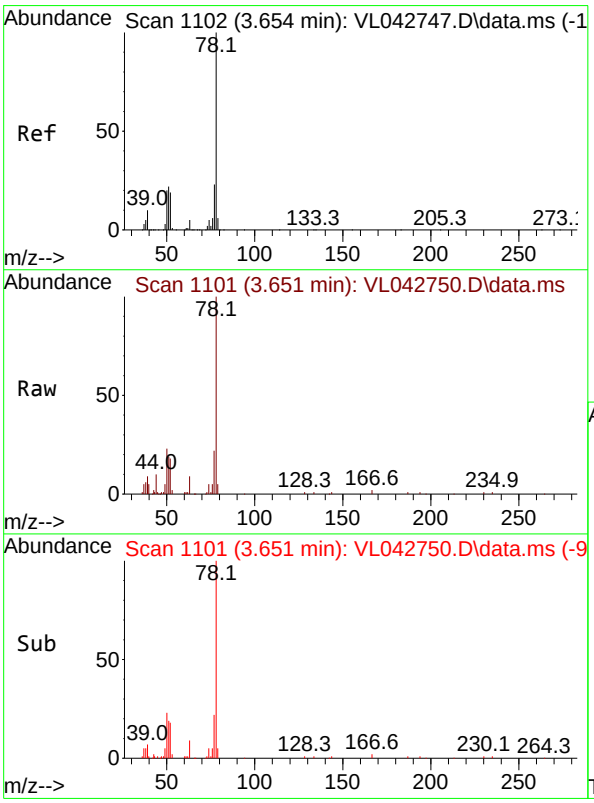
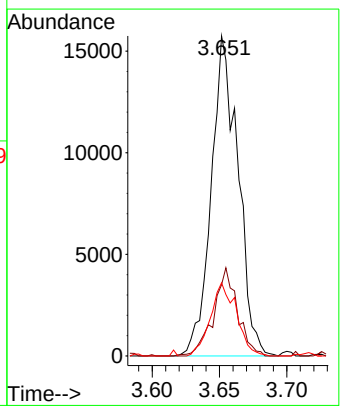
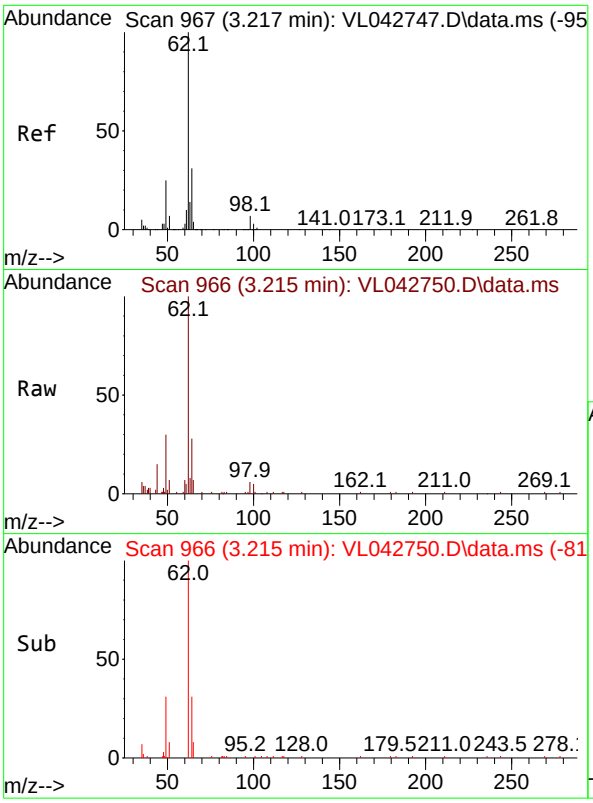


#36
Benzene
Concen: 0.515 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 78 Resp: 21800

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7
50	22.8	16.2	24.2

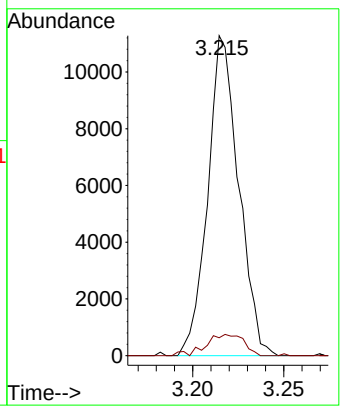




#37
1,2-Dichloroethane
Concen: 0.521 ppbv
RT: 3.215 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 62 Resp: 1329

Ion	Ratio	Lower	Upper
62	100		
98	8.3	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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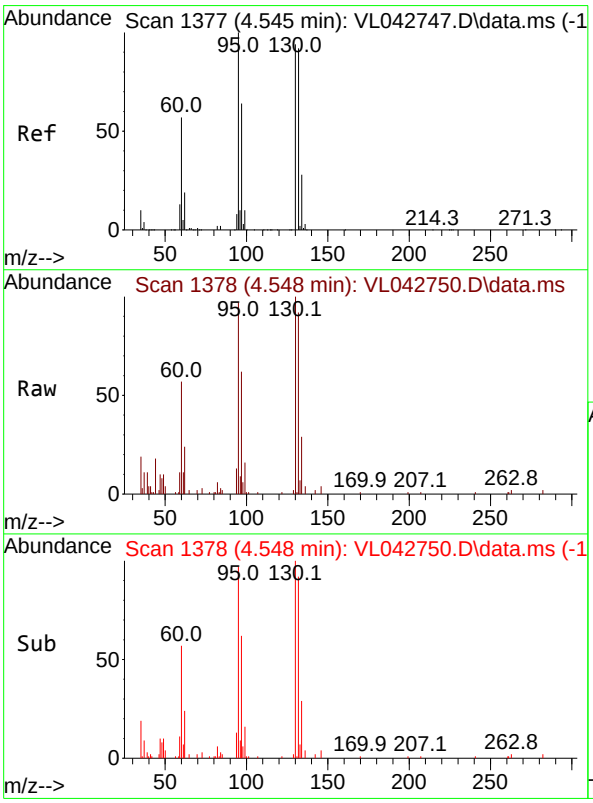
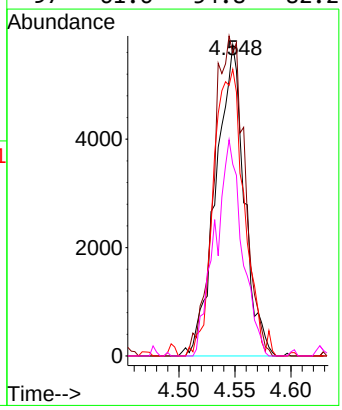
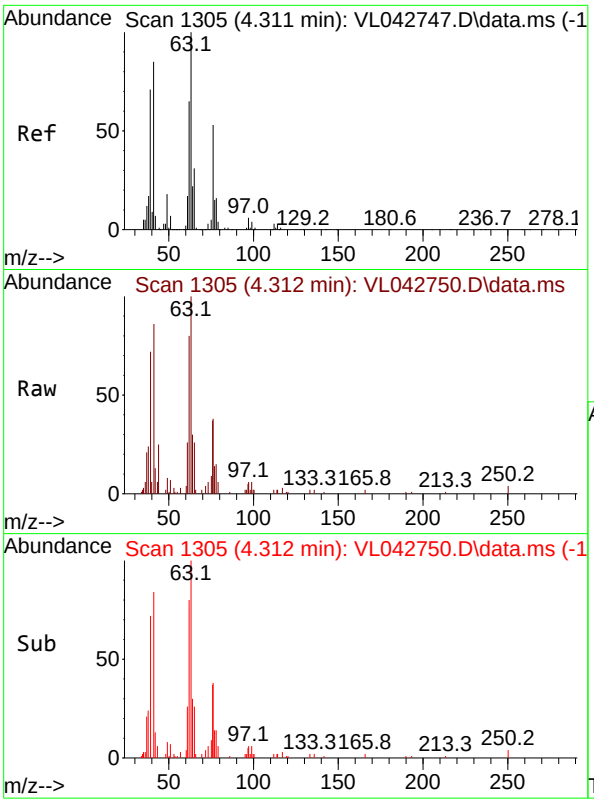


#38
Trichloroethene
Concen: 0.494 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:130 Resp: 10097

Ion	Ratio	Lower	Upper
130	100		
95	97.3	85.4	128.2
132	92.1	78.2	117.2
97	61.6	54.8	82.2

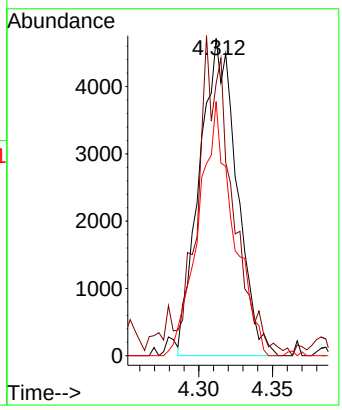




#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 63 Resp: 829

Ion	Ratio	Lower	Upper
63	100		
41	83.1	68.2	102.4
62	80.1	52.0	78.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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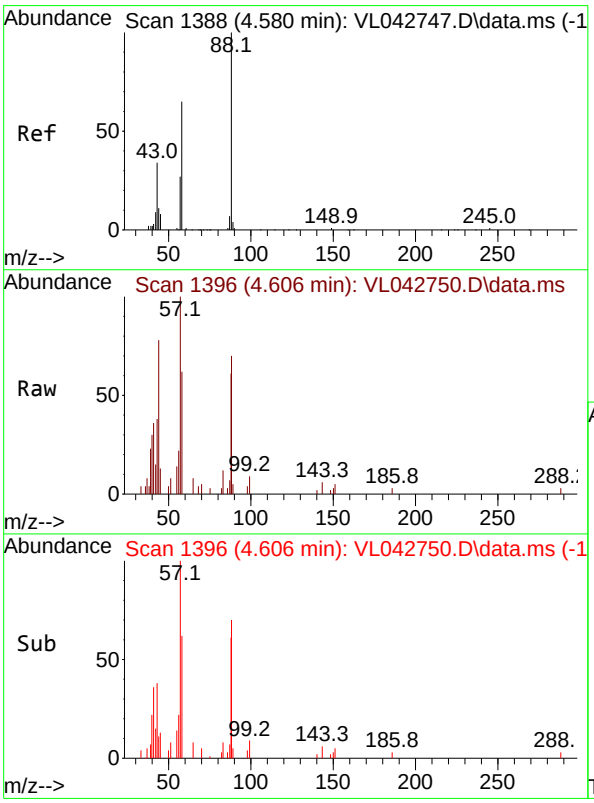
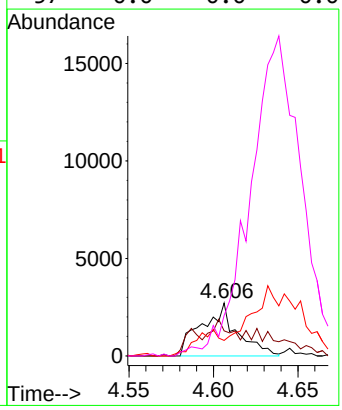
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

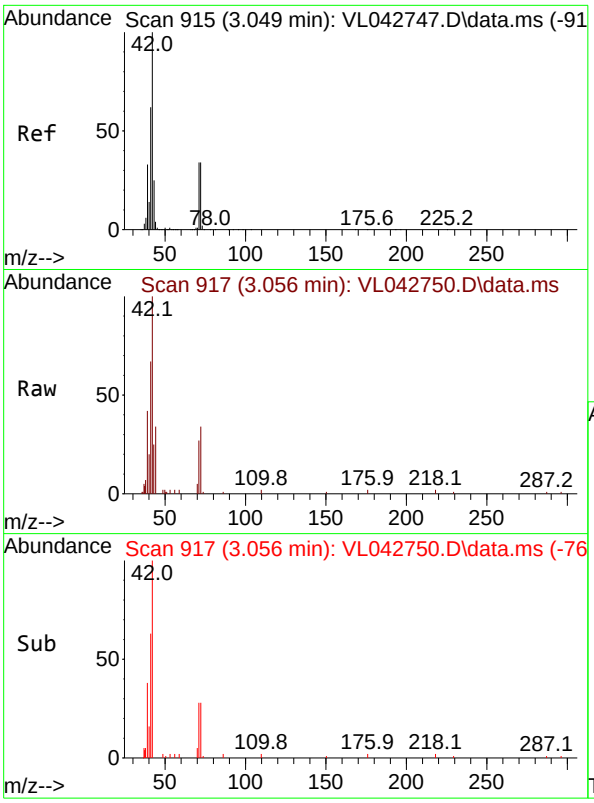


#40
1,4-Dioxane
Concen: 0.538 ppbv m
RT: 4.606 min Scan# 1396
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 88 Resp: 3963

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0

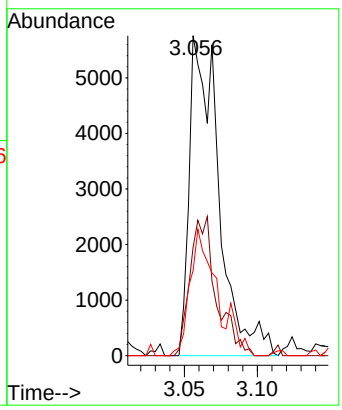




#41
Tetrahydrofuran
Concen: 0.507 ppbv m
RT: 3.056 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 42 Resp: 806

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	37.6	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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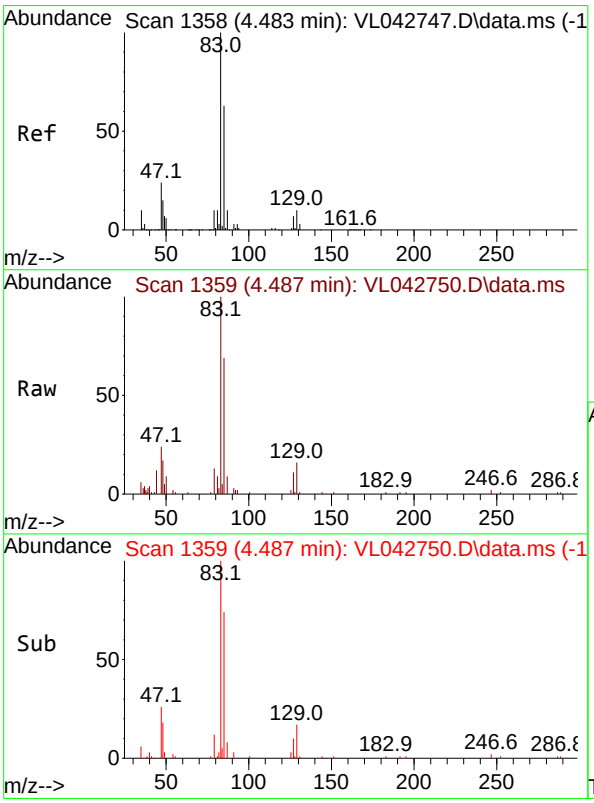
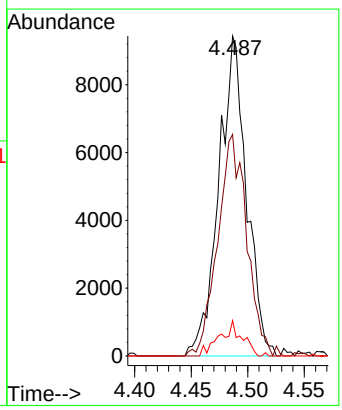
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

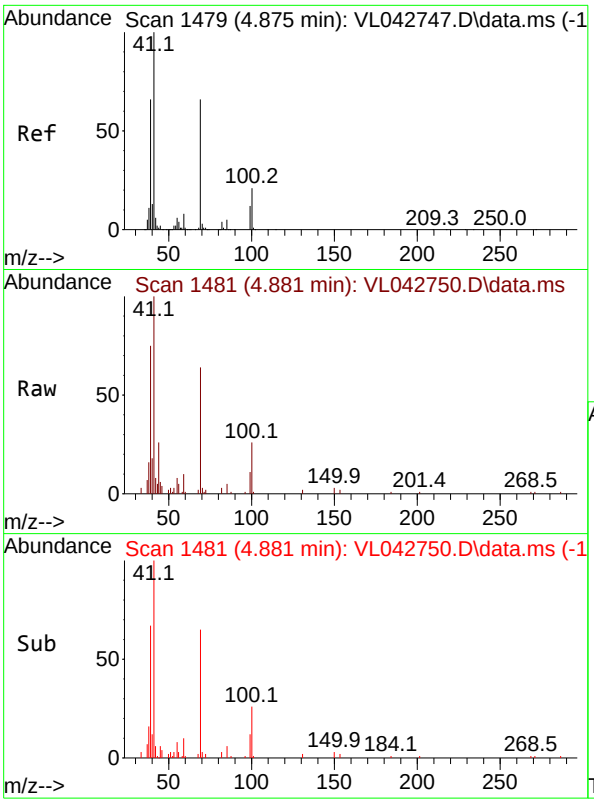


#42
Bromodichloromethane
Concen: 0.484 ppbv m
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 16080

Ion	Ratio	Lower	Upper
83	100		
85	69.3	50.2	75.4
127	11.1	5.4	8.2#

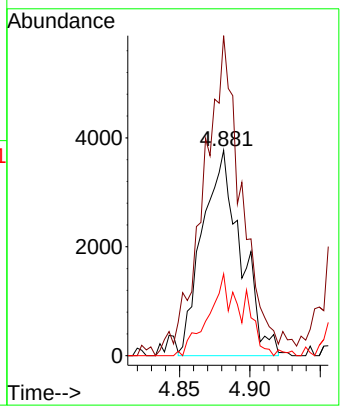




#43
Methyl Methacrylate
Concen: 0.476 ppbv m
RT: 4.881 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 69 Resp: 716

Ion	Ratio	Lower	Upper
69	100		
41	155.0	125.7	188.5
100	36.5	28.6	42.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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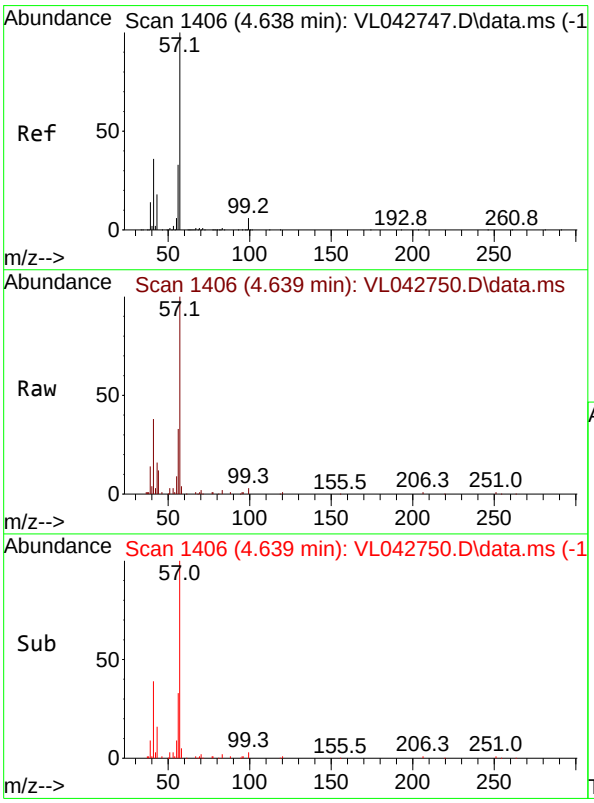
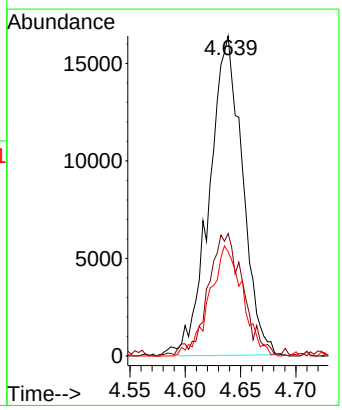
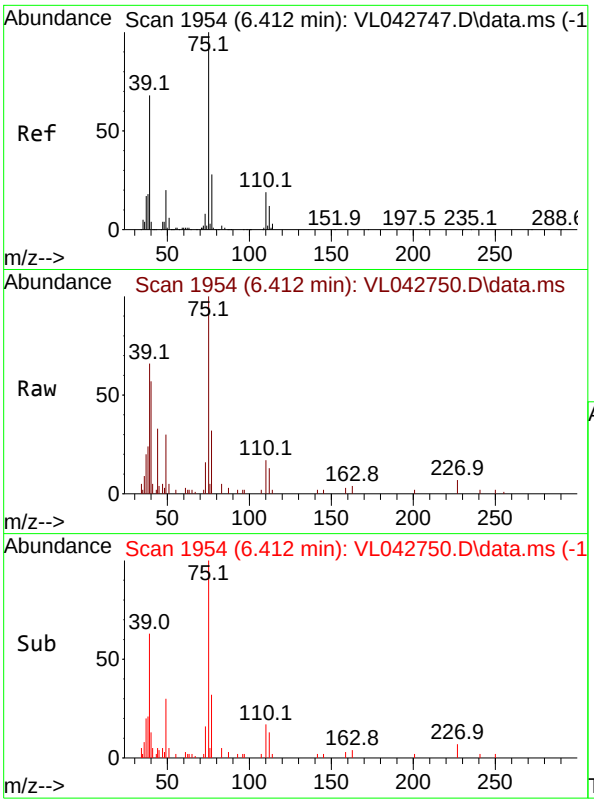


#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 33853

Ion	Ratio	Lower	Upper
57	100		
41	41.3	28.3	42.5
56	34.7	25.8	38.6

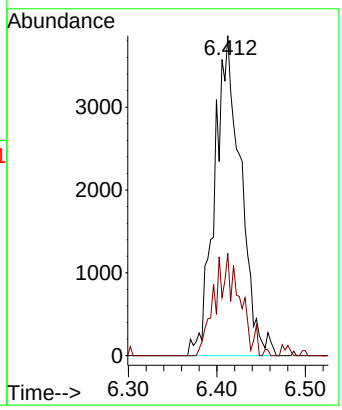




#45
t-1,3-Dichloropropene
Concen: 0.472 ppbv m
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 75 Resp: 796

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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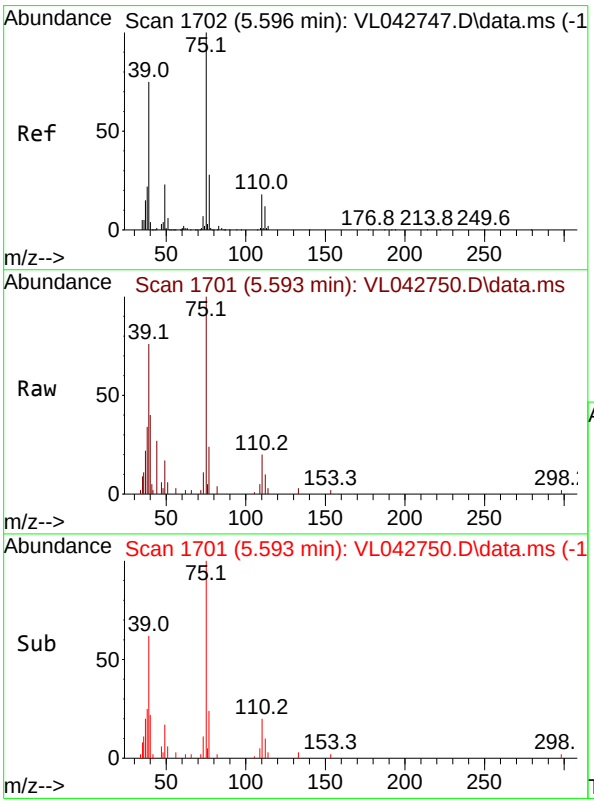
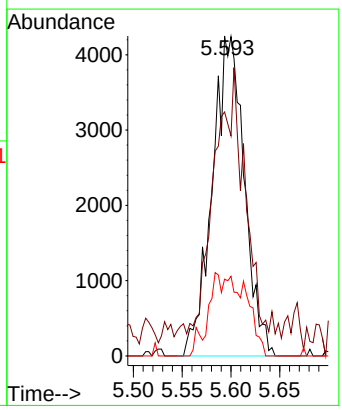
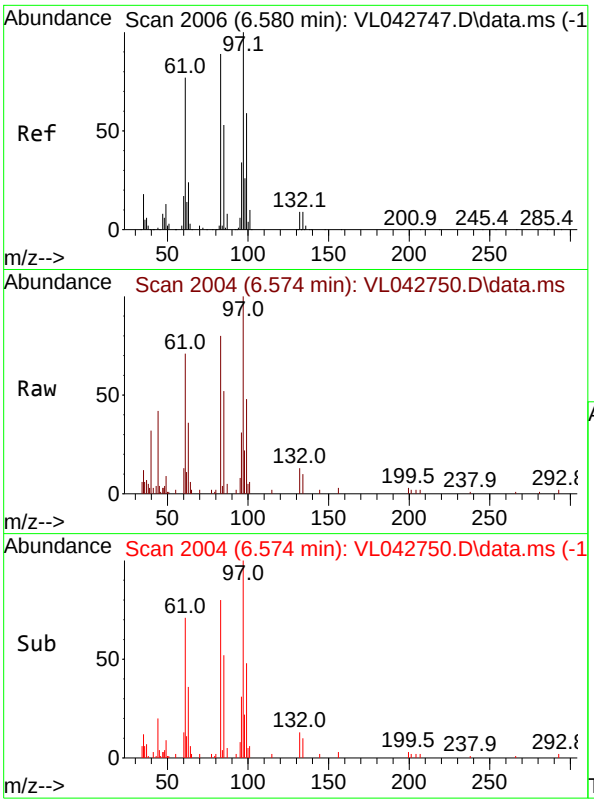


#46
cis-1,3-Dichloropropene
Concen: 0.454 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 75 Resp: 9709

Ion	Ratio	Lower	Upper
75	100		
39	76.3	60.2	90.2
77	24.0	22.6	34.0

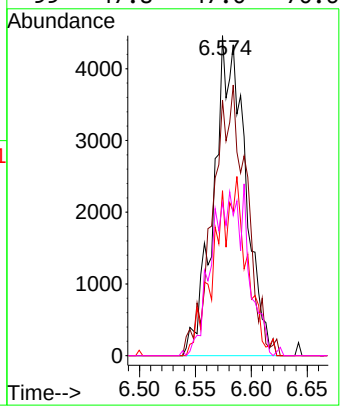




#47
1,1,2-Trichloroethane
Concen: 0.527 ppbv m
RT: 6.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 878

Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.1	106.7
85	51.6	43.0	64.4
99	47.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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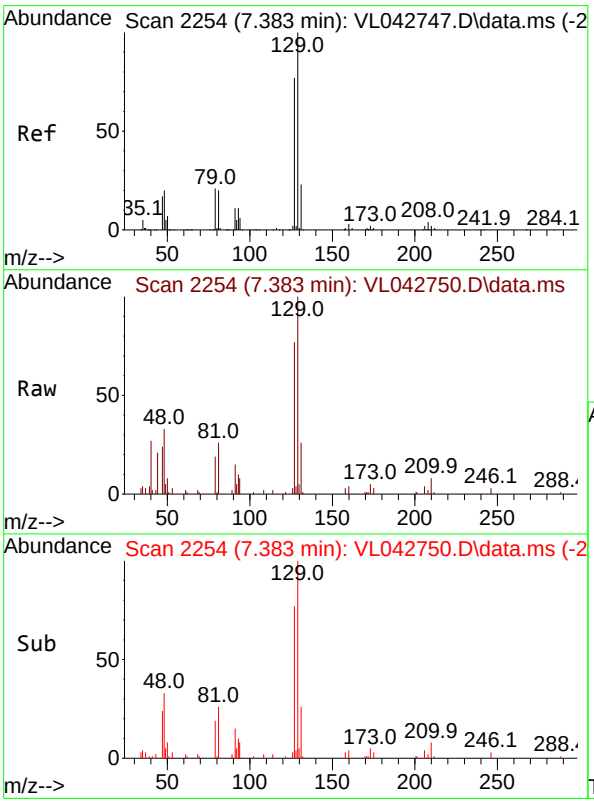
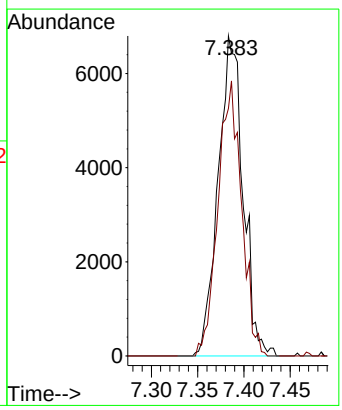
Supervised By :Mahesh Dadoda 07/24/2025

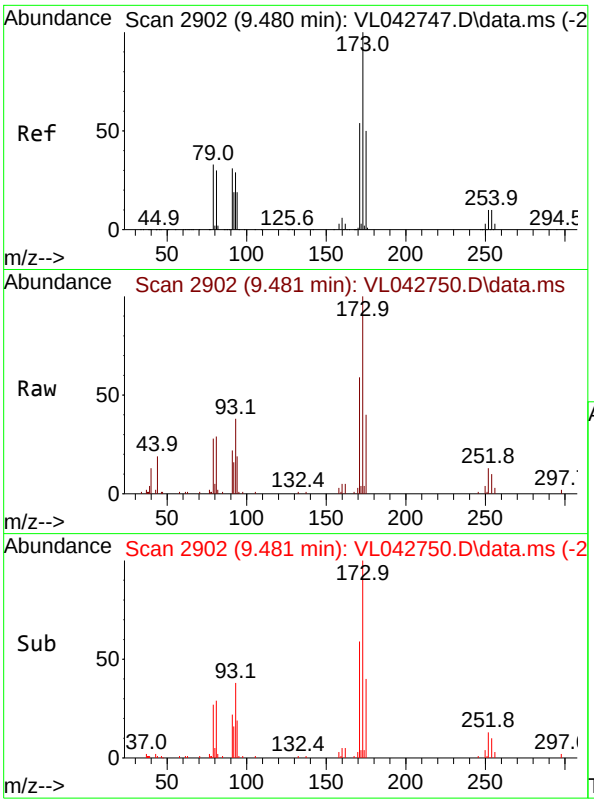


#48
Dibromochloromethane
Concen: 0.481 ppbv m
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:129 Resp: 12723

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.7	116.1

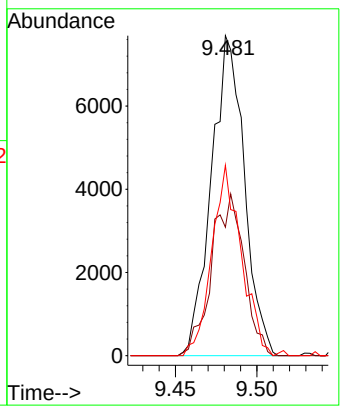




#49
Bromoform
Concen: 0.468 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:173 Resp: 1080

Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.4	57.6
171	53.7	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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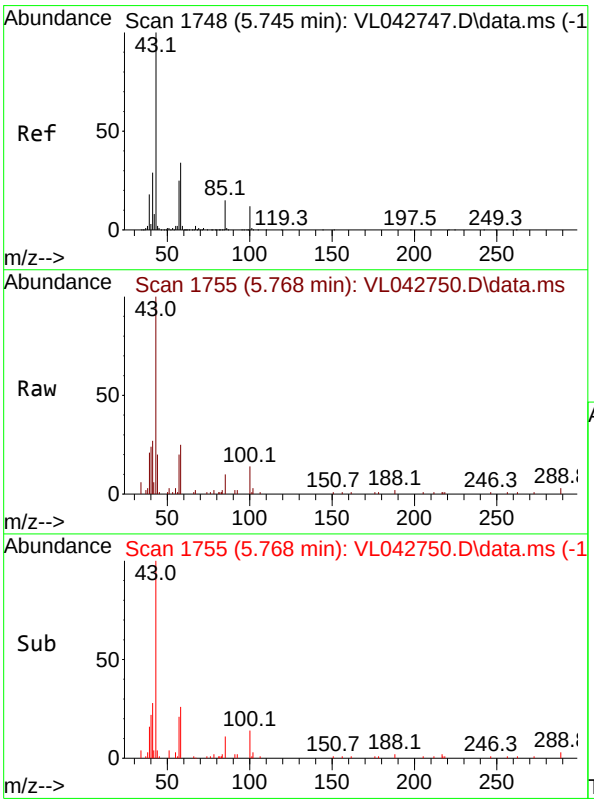
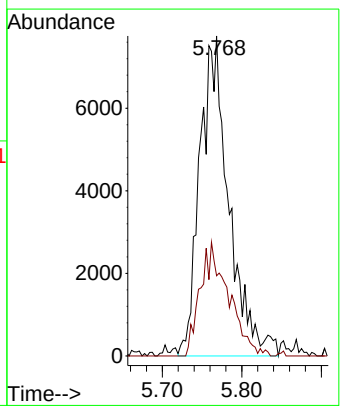
Supervised By :Mahesh Dadoda 07/24/2025

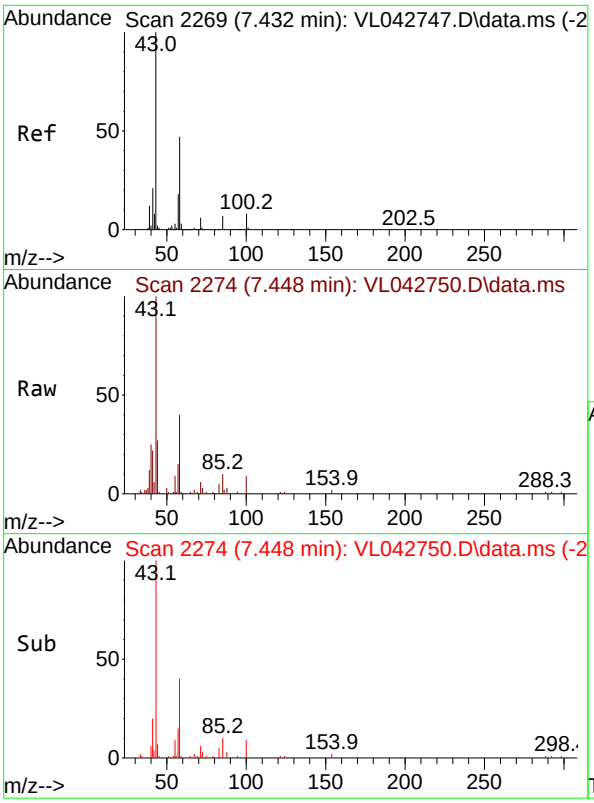


#50
4-Methyl-2-Pentanone
Concen: 0.486 ppbv m
RT: 5.768 min Scan# 1755
Delta R.T. 0.023 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 19575

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#

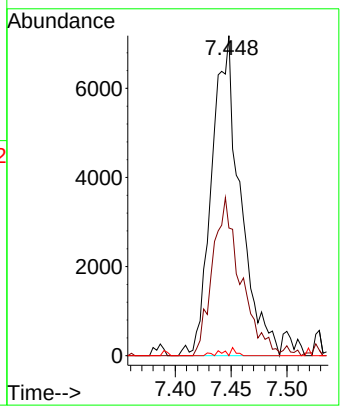




#51
2-Hexanone
Concen: 0.416 ppbv m
RT: 7.448 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 1281

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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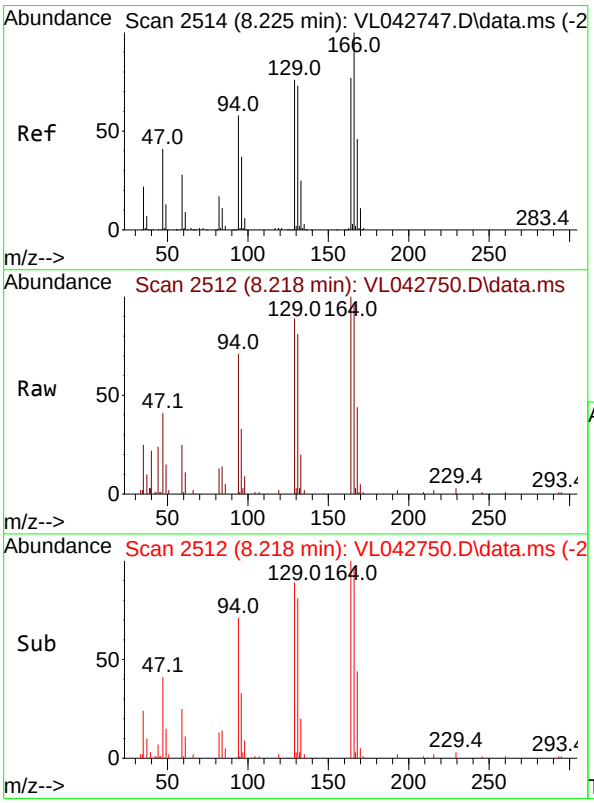
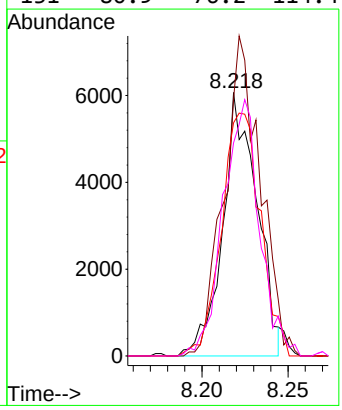
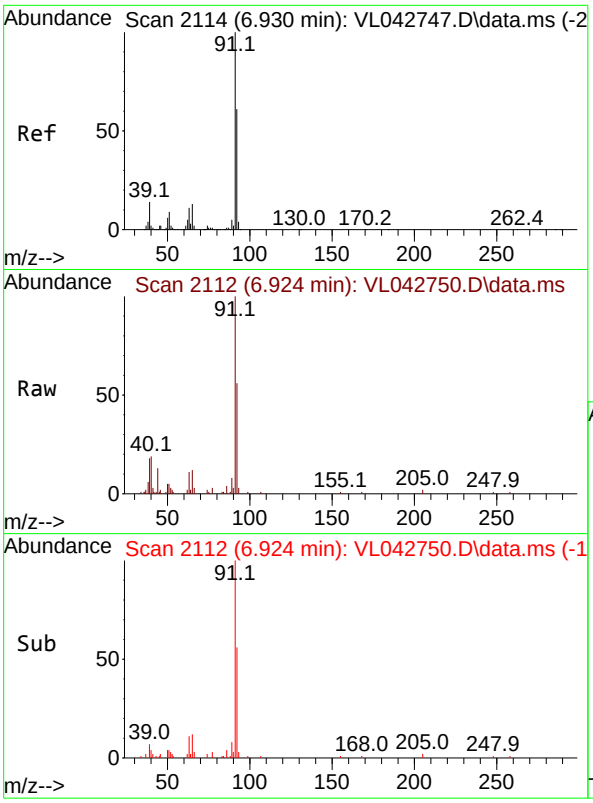


#52
Tetrachloroethene
Concen: 0.475 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:164 Resp: 8359

Ion	Ratio	Lower	Upper
164	100		
166	97.5	104.0	156.0#
129	88.5	79.2	118.8
131	80.9	76.2	114.4

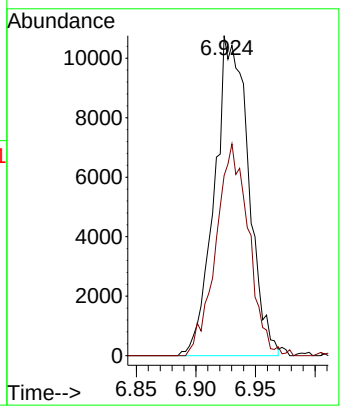




#53
Toluene
Concen: 0.469 ppbv
RT: 6.924 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2132

Ion	Ratio	Lower	Upper
91	100		
92	63.9	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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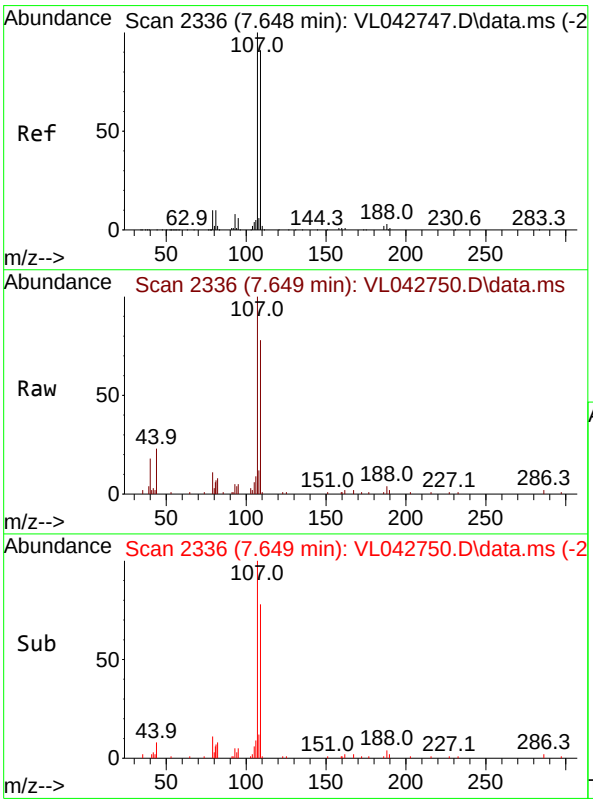
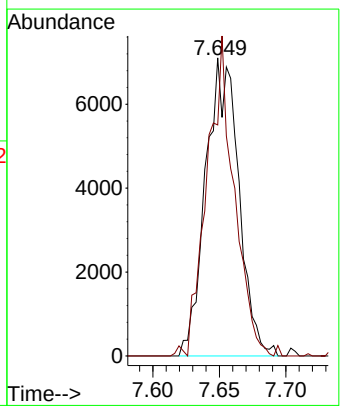
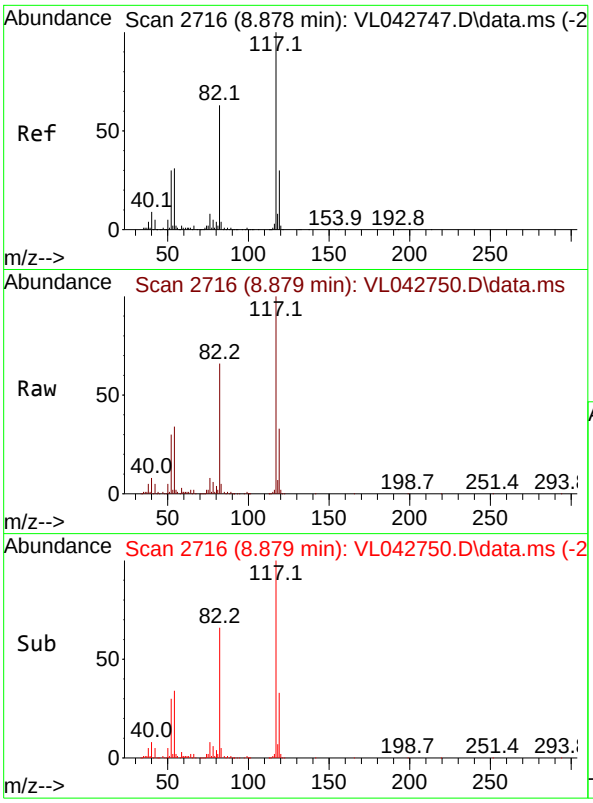


#54
1,2-Dibromoethane
Concen: 0.521 ppbv m
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:107 Resp: 12294

Ion	Ratio	Lower	Upper
107	100		
109	77.5	72.7	109.1

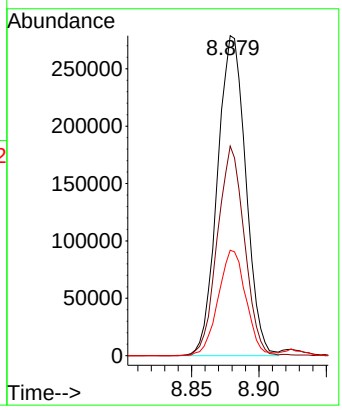




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:117 Resp: 40862

Ion	Ratio	Lower	Upper
117	100		
82	62.7	53.3	79.9
119	32.3	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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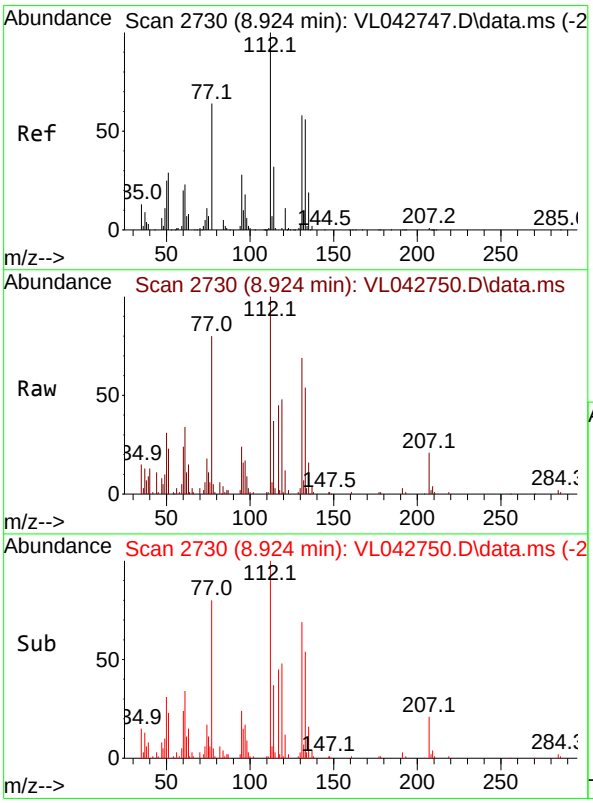
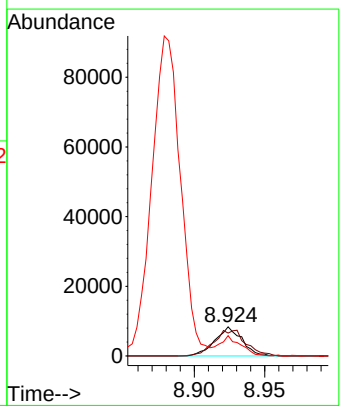
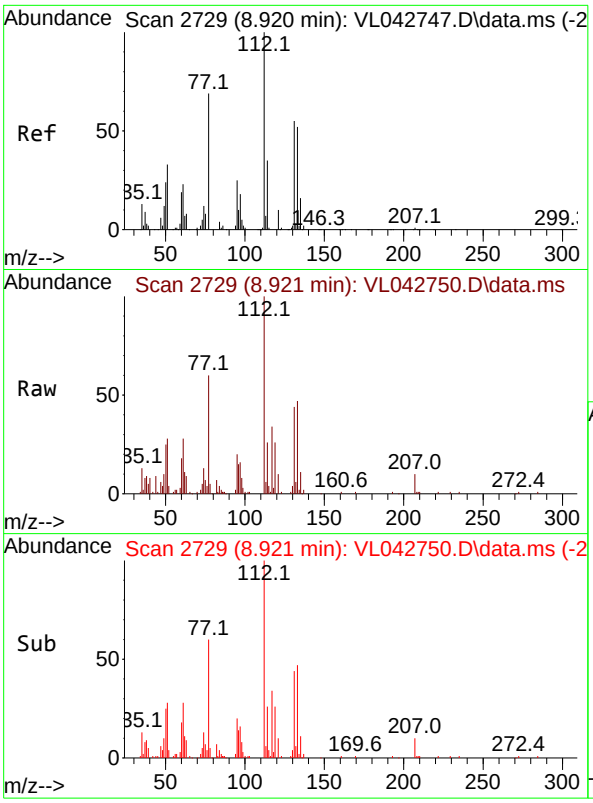


#56
1,1,1,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:131 Resp: 11191

Ion	Ratio	Lower	Upper
131	100		
133	104.0	76.8	115.2
119	1231.3	49.7	74.5#

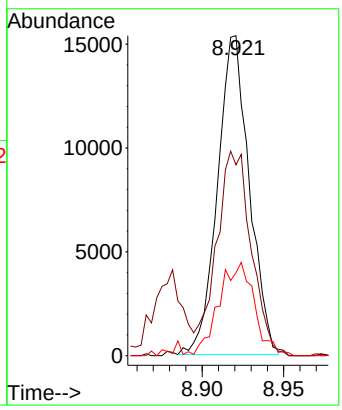




#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:112 Resp: 2082

Ion	Ratio	Lower	Upper
112	100		
77	58.4	56.4	84.6
114	23.8	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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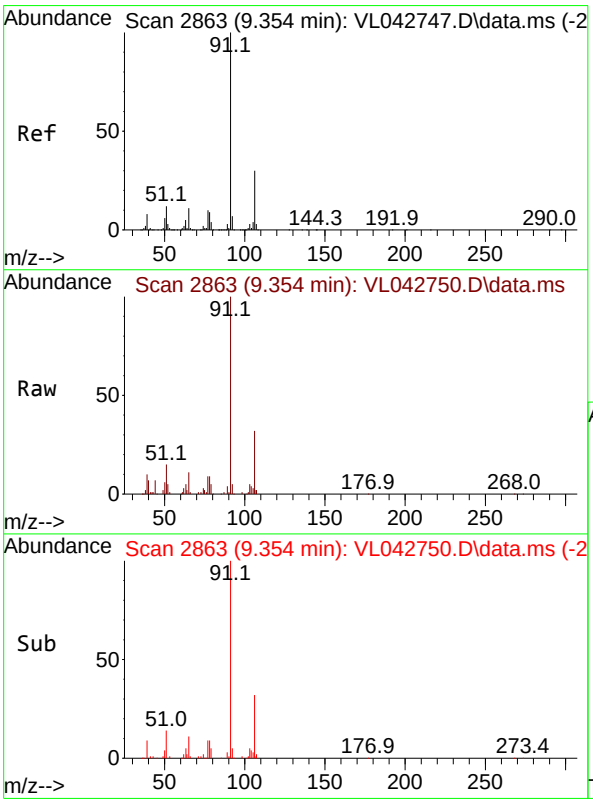
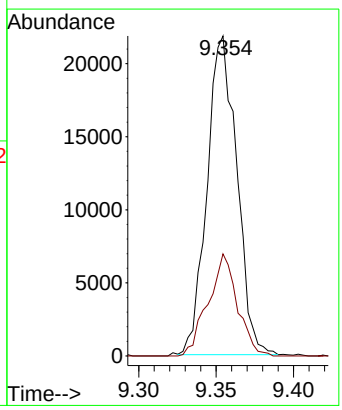
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

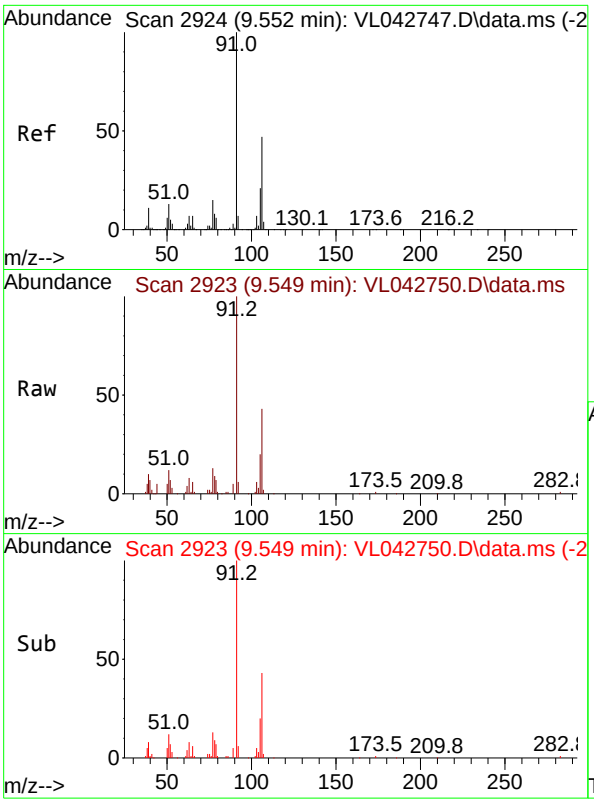


#58
Ethyl Benzene
Concen: 0.451 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29134

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.8	35.6

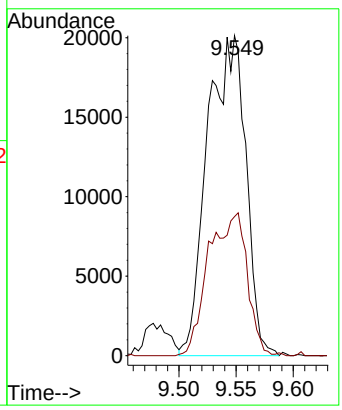




#59
m/p-Xylene
Concen: 0.912 ppbv m
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 4702

Ion	Ratio	Lower	Upper
91	100		
106	44.9	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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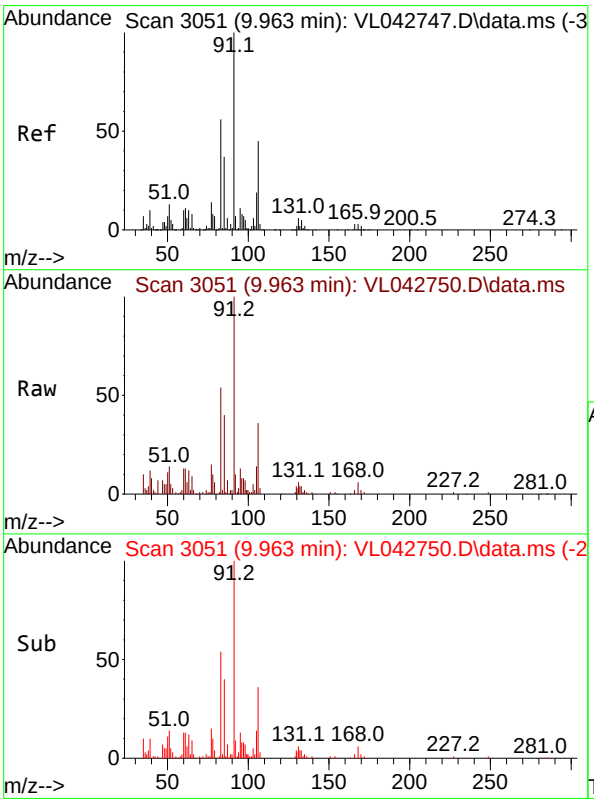
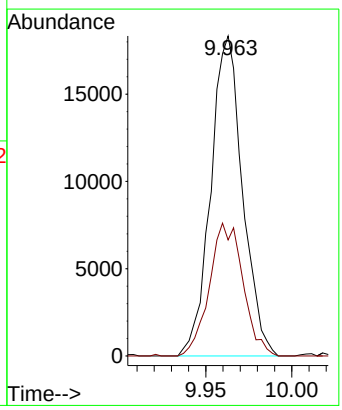
Supervised By :Mahesh Dadoda 07/24/2025

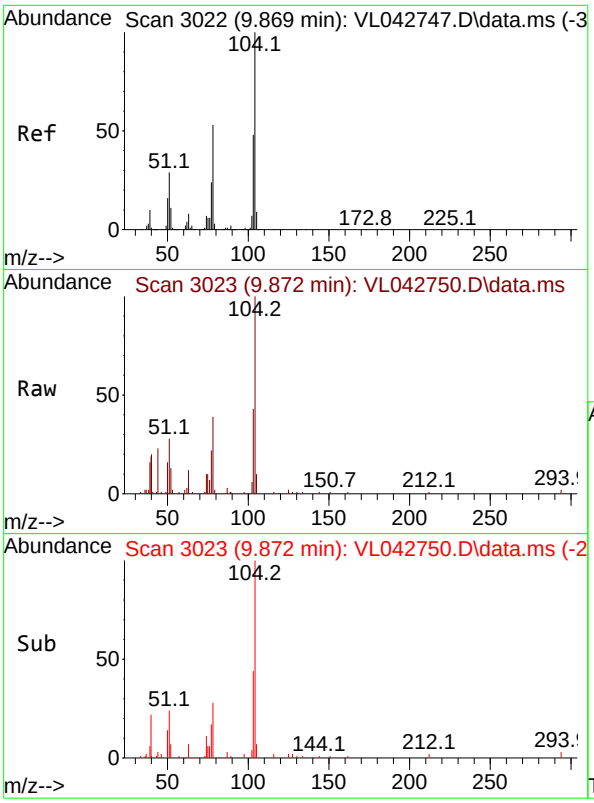


#60
o-Xylene
Concen: 0.458 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 23603

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.0	66.0

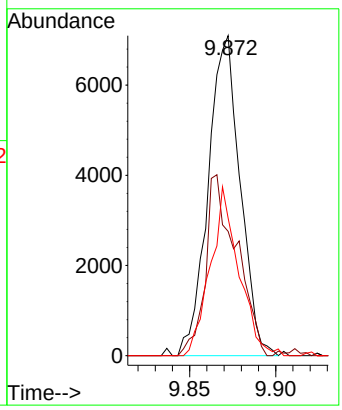




#61
Styrene
Concen: 0.424 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:104 Resp: 919

Ion	Ratio	Lower	Upper
104	100		
78	55.8	41.5	62.3
103	47.0	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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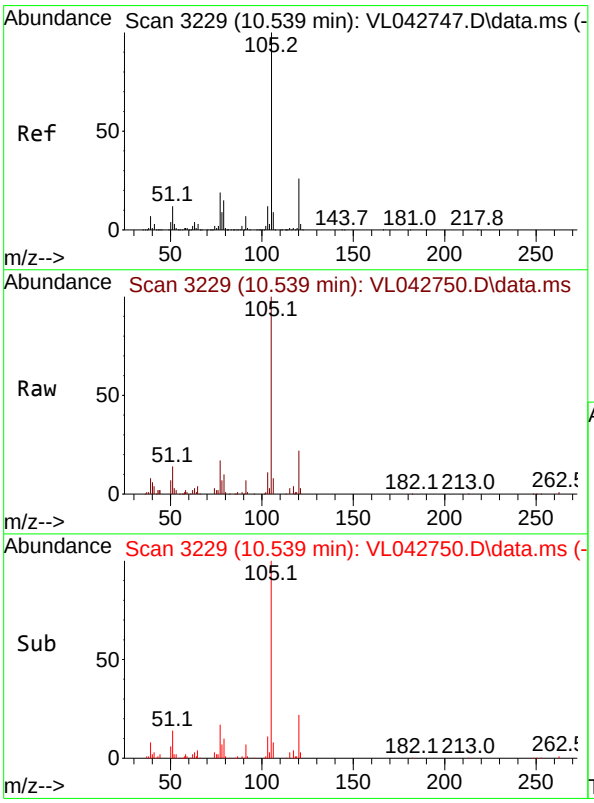
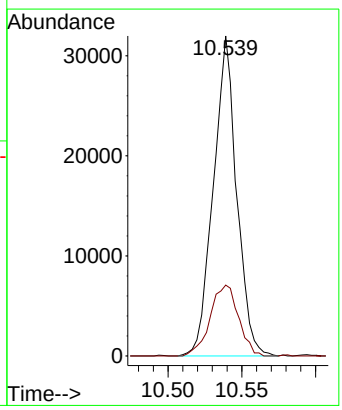
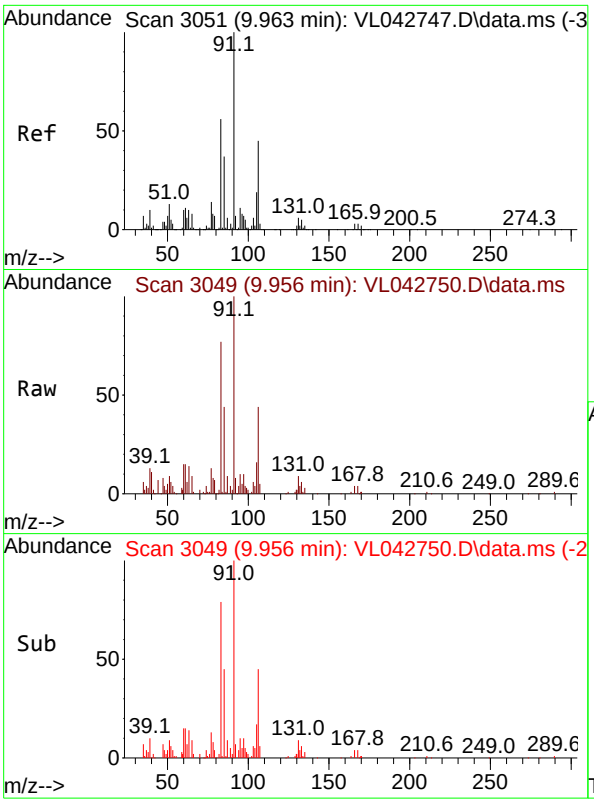


#62
Isopropylbenzene
Concen: 0.463 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 35189

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.5	30.7

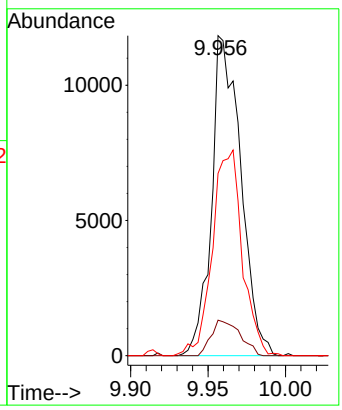




#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 1554

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	15.0
85	66.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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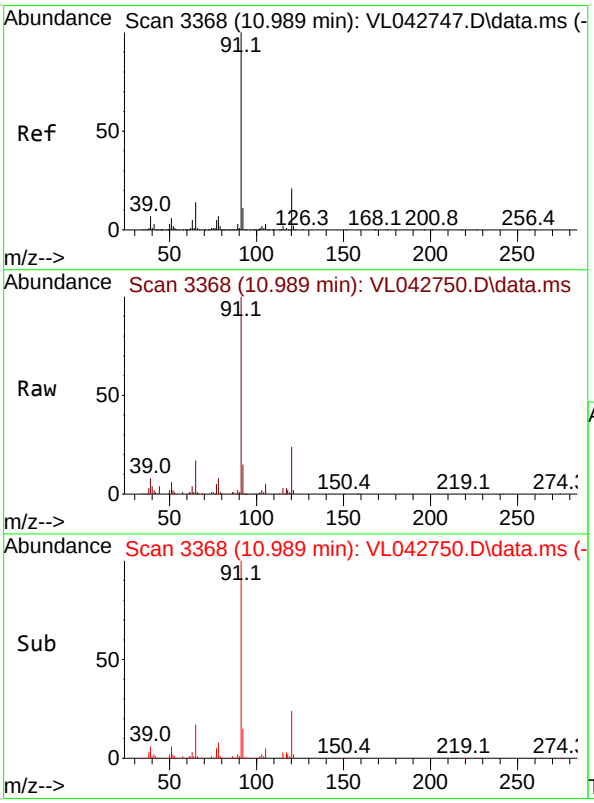
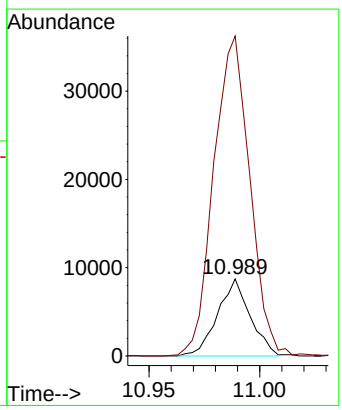
Supervised By :Mahesh Dadoda 07/24/2025

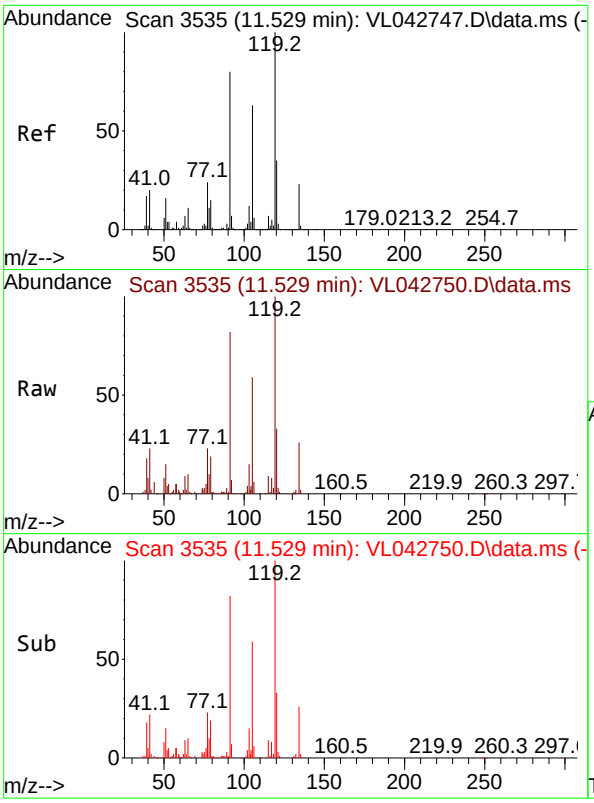


#64
n-propylbenzene
Concen: 0.450 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:120 Resp: 8924

Ion	Ratio	Lower	Upper
120	100		
91	464.1	372.7	559.1

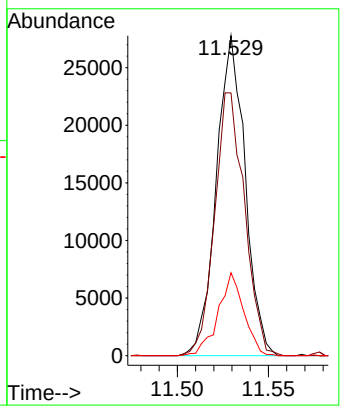




#65
tert-Butylbenzene
Concen: 0.453 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:119 Resp: 3056

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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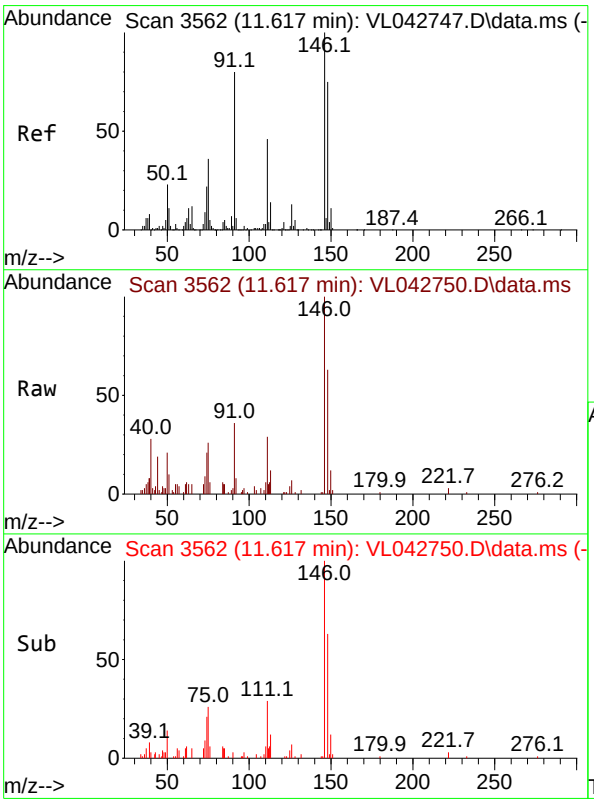
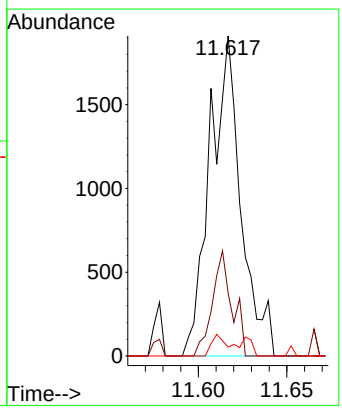
Supervised By :Mahesh Dadoda 07/24/2025

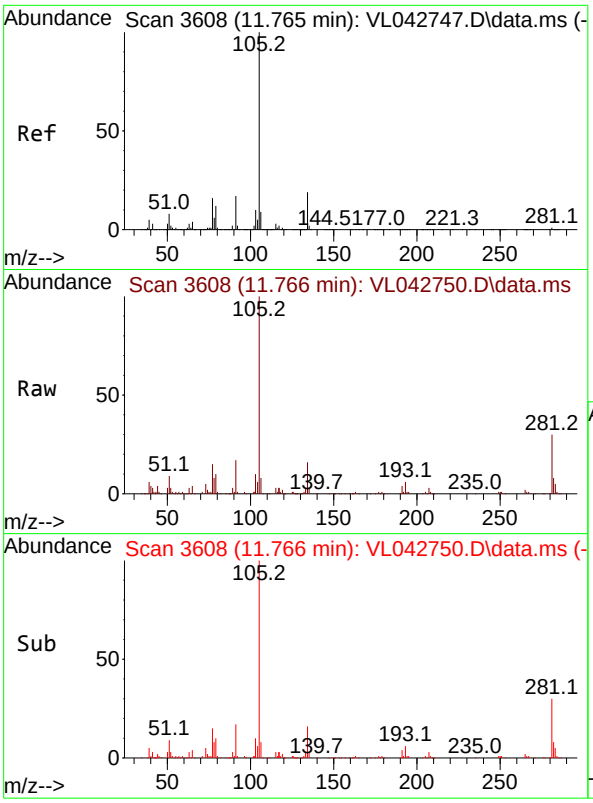


#66
Benzyl Chloride
Concen: 0.421 ppbv m
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2336

Ion	Ratio	Lower	Upper
91	100		
126	20.8	14.4	21.6
128	5.6	5.2	7.8

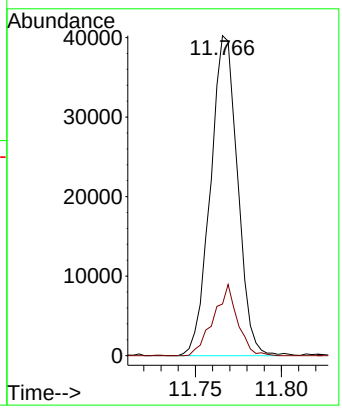




#67
sec-Butylbenzene
Concen: 0.460 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 4416

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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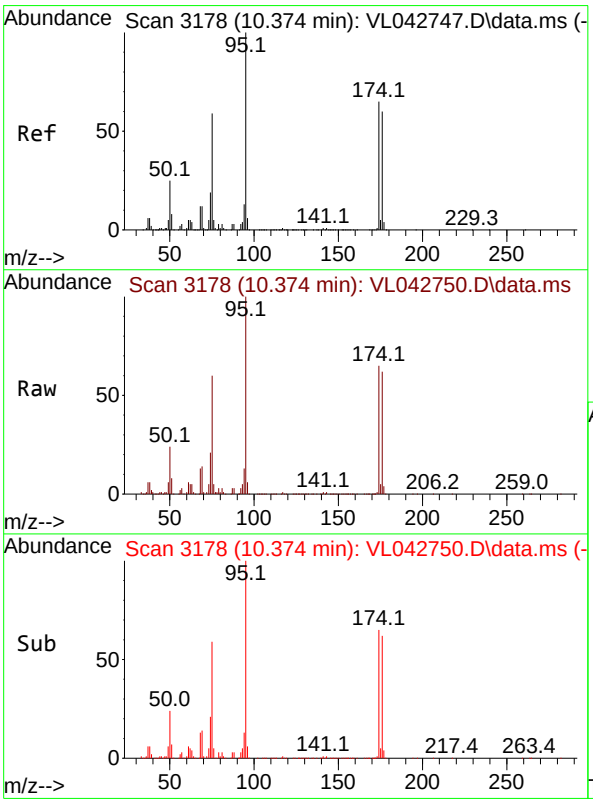
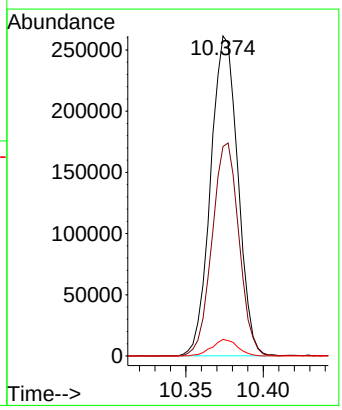
Supervised By :Mahesh Dadoda 07/24/2025

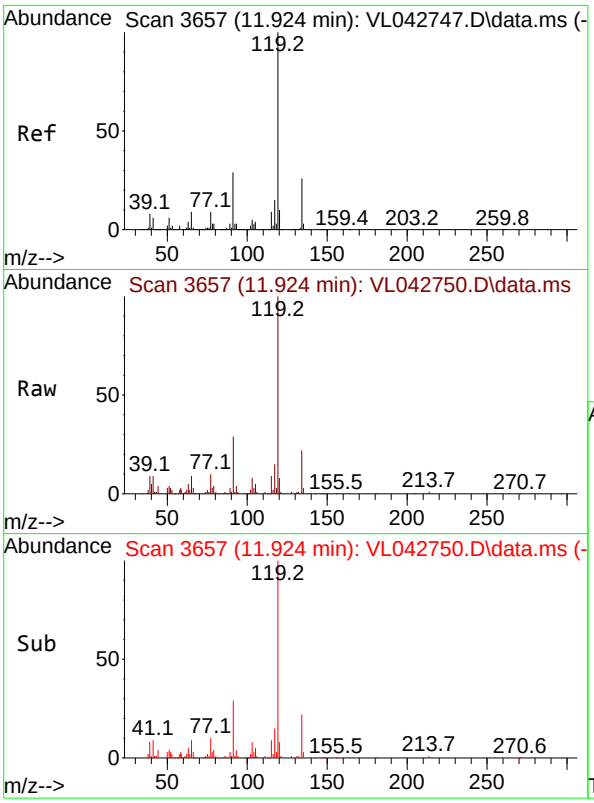


#68
1-Bromo-4-Fluorobenzene
Concen: 9.869 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 95 Resp: 319353

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	4.9	4.0	6.0

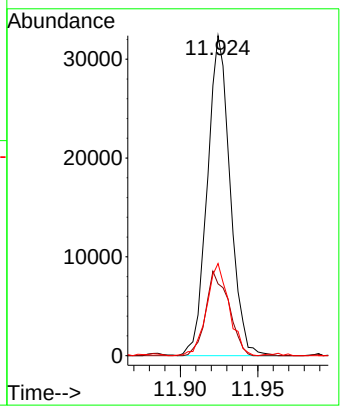




#69
p-Isopropyltoluene
Concen: 0.423 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:119 Resp: 3310

Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.6	31.0
91	28.8	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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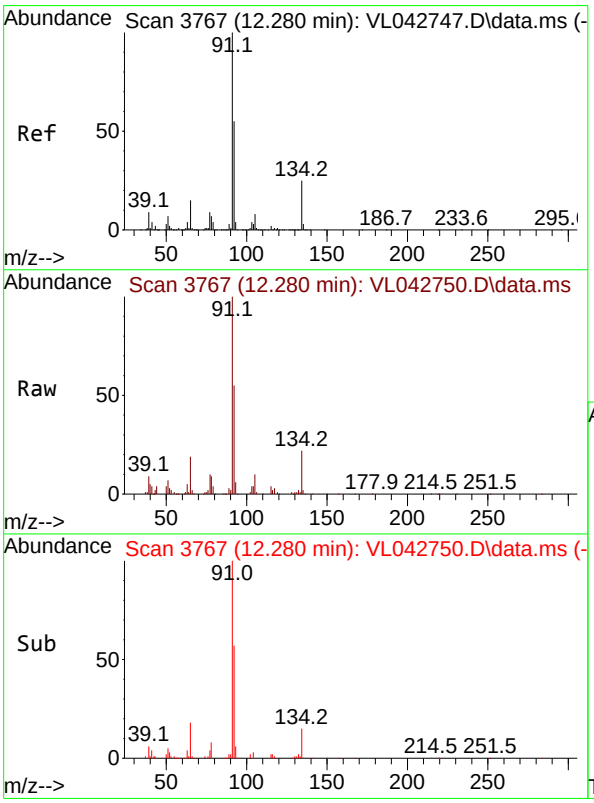
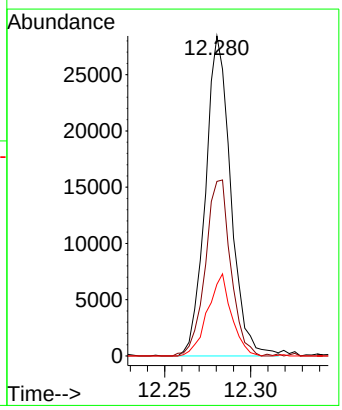
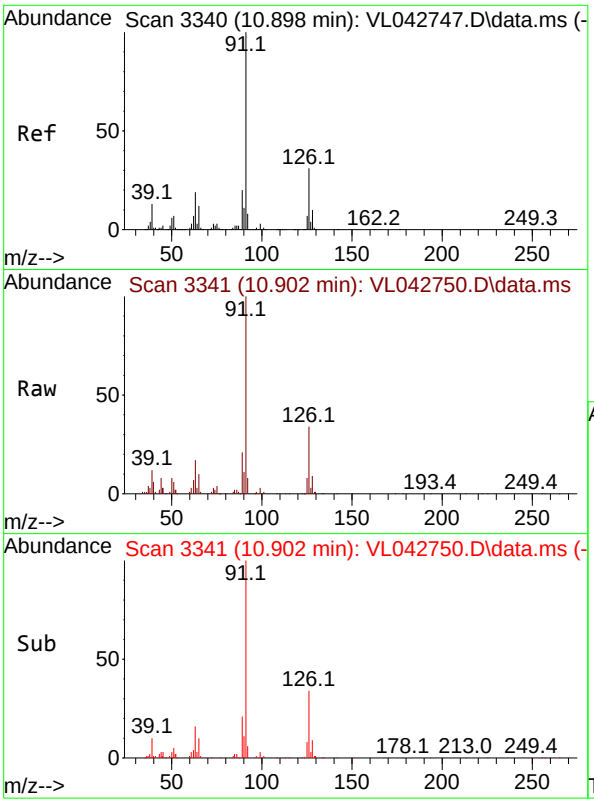


#70
n-Butylbenzene
Concen: 0.384 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29048

Ion	Ratio	Lower	Upper
91	100		
92	55.5	43.4	65.2
134	24.3	19.6	29.4

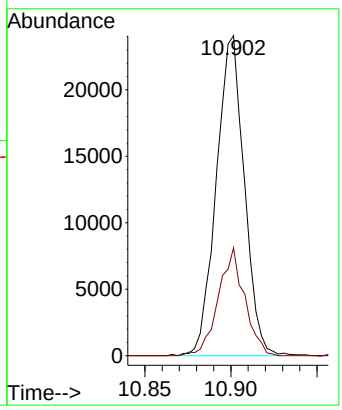




#71
2-Chlorotoluene
Concen: 0.466 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 2718

Ion	Ratio	Lower	Upper
91	100		
126	31.7	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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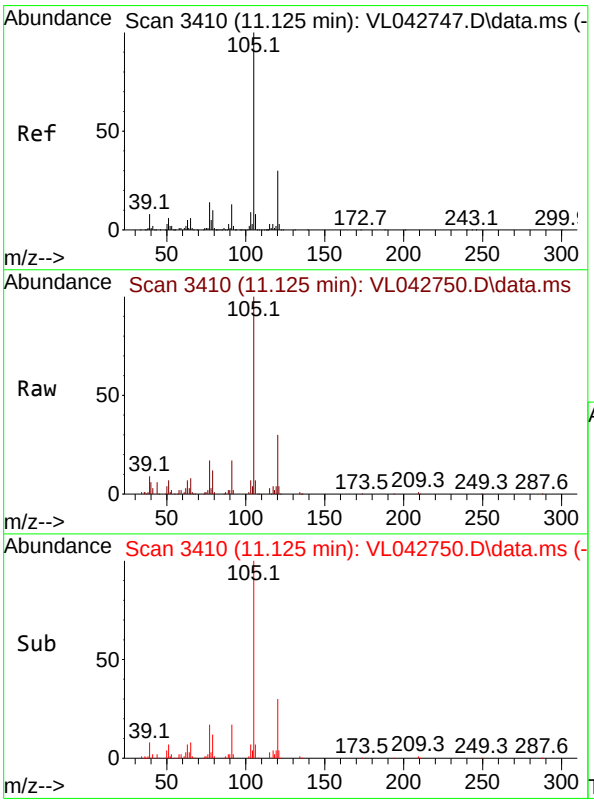
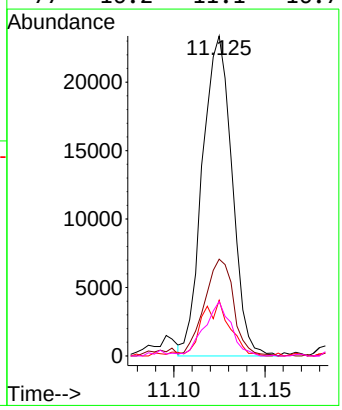
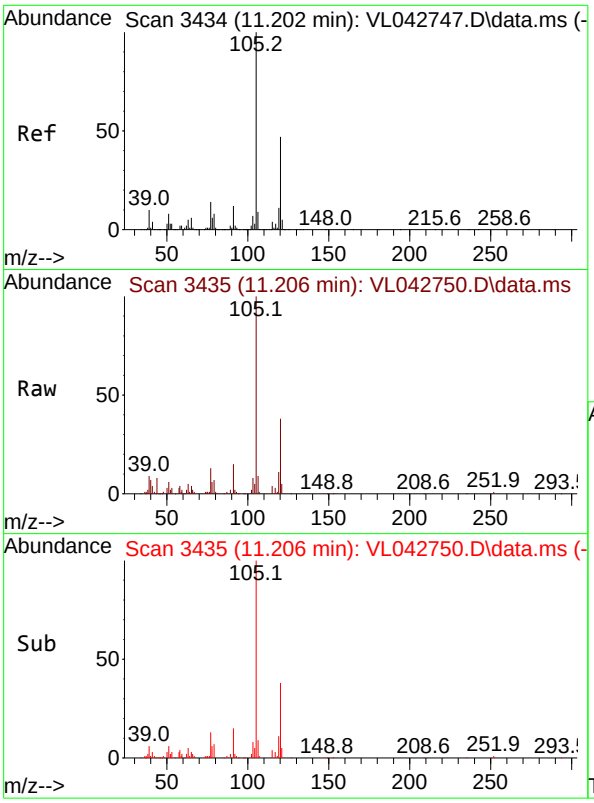


#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 26395

Ion	Ratio	Lower	Upper
105	100		
120	31.6	24.4	36.6
91	17.0	10.6	15.8#
77	16.2	11.1	16.7

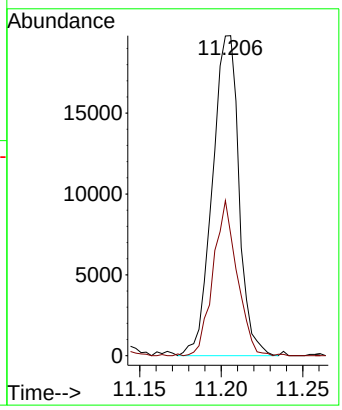




#73
1,3,5-Trimethylbenzene
Concen: 0.442 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 2239

Ion	Ratio	Lower	Upper
105	100		
120	37.5	37.8	56.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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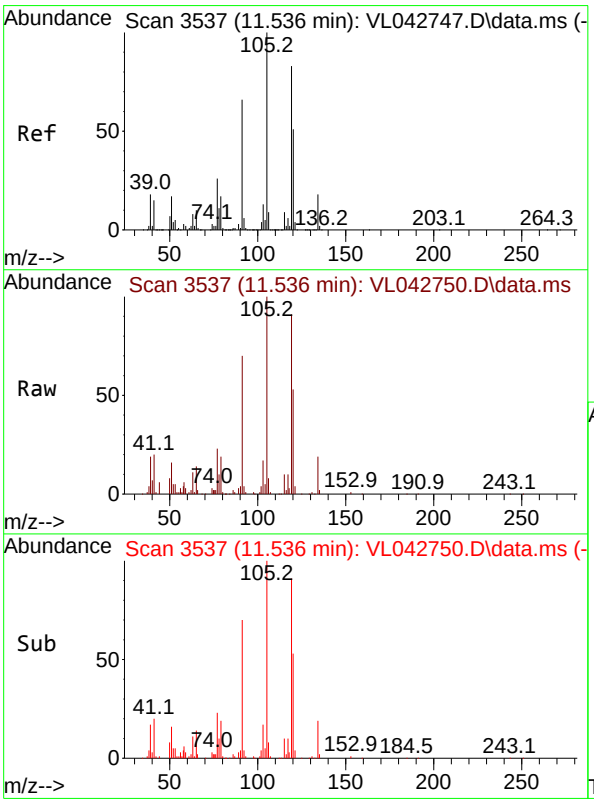
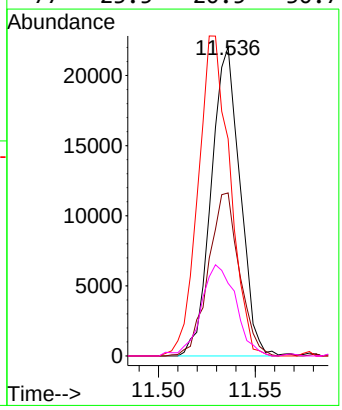
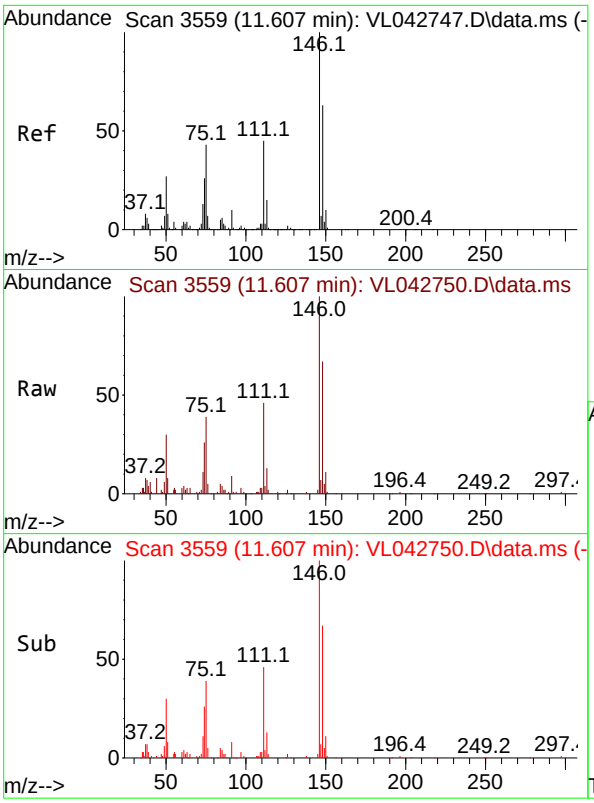


#74
1,2,4-Trimethylbenzene
Concen: 0.412 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 22772

Ion	Ratio	Lower	Upper
105	100		
120	52.7	40.8	61.2
91	70.3	53.0	79.4
77	23.5	20.5	30.7

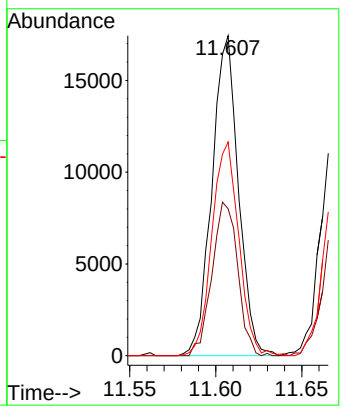




#75
1,3-Dichlorobenzene
Concen: 0.482 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 1868

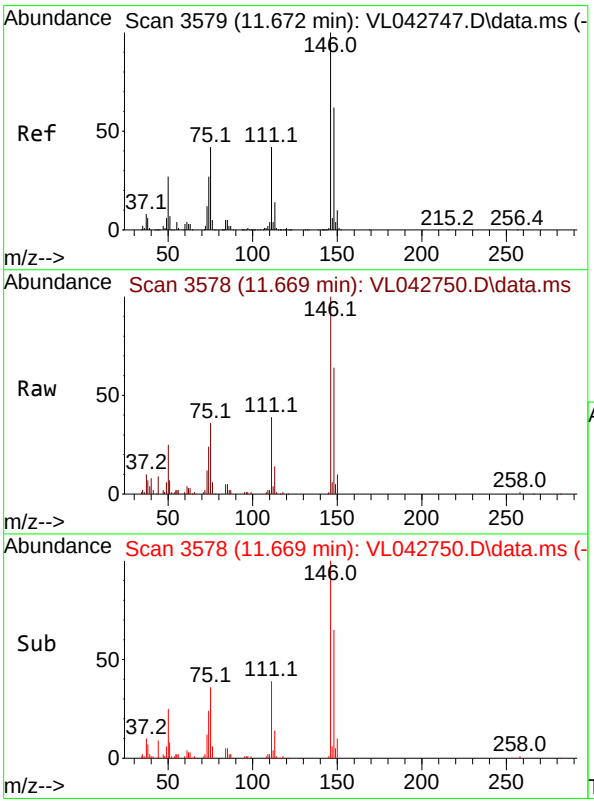
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.7	68.0
148	67.7	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

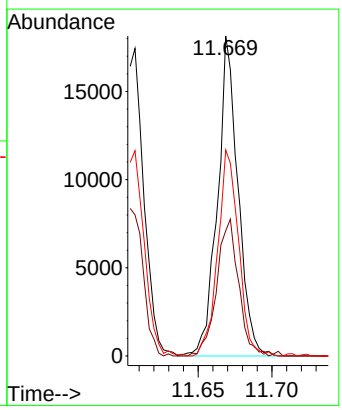
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

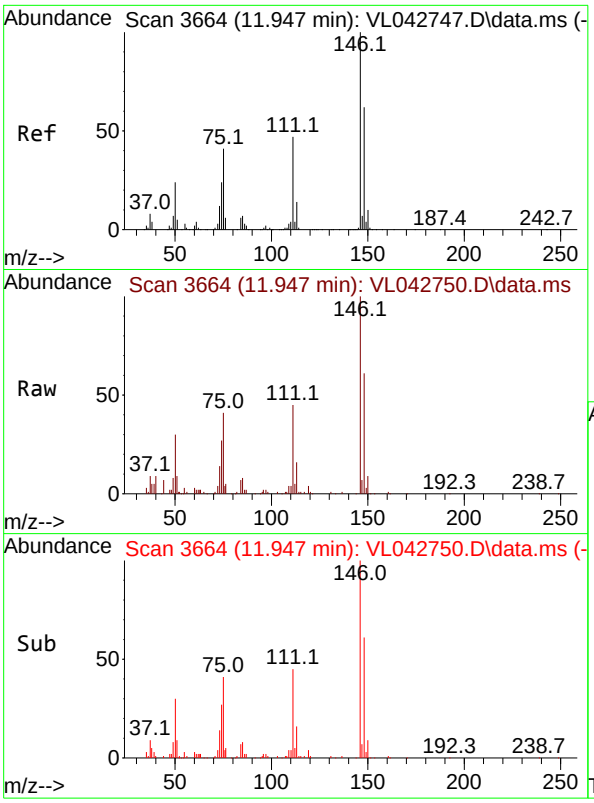


#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 17616

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	65.4	32.1	96.3

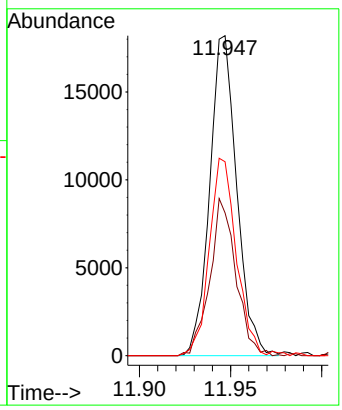




#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 1879

Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.7	71.1
148	62.3	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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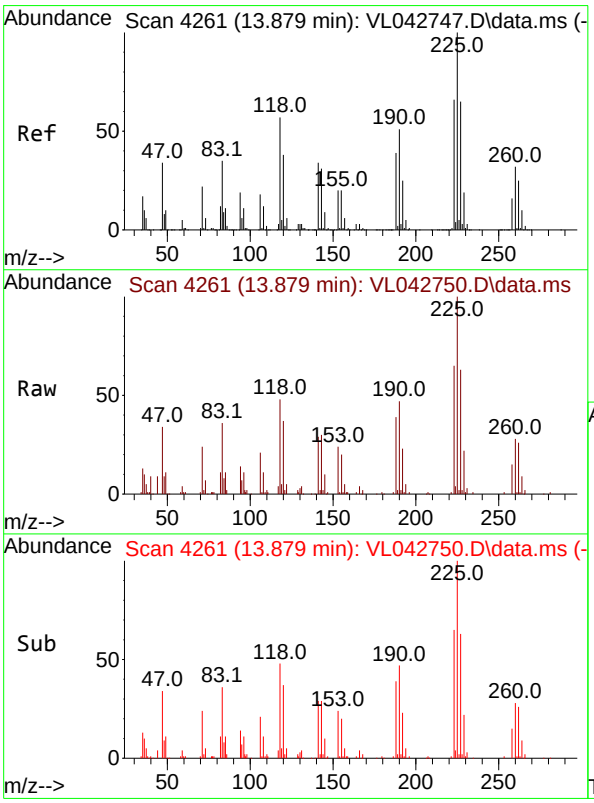
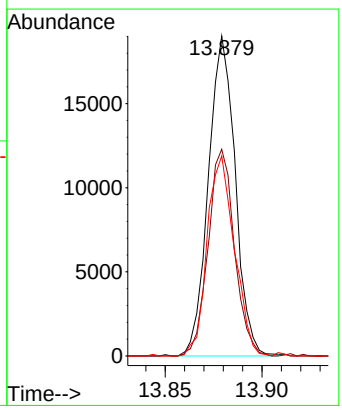
Supervised By :Mahesh Dadoda 07/24/2025

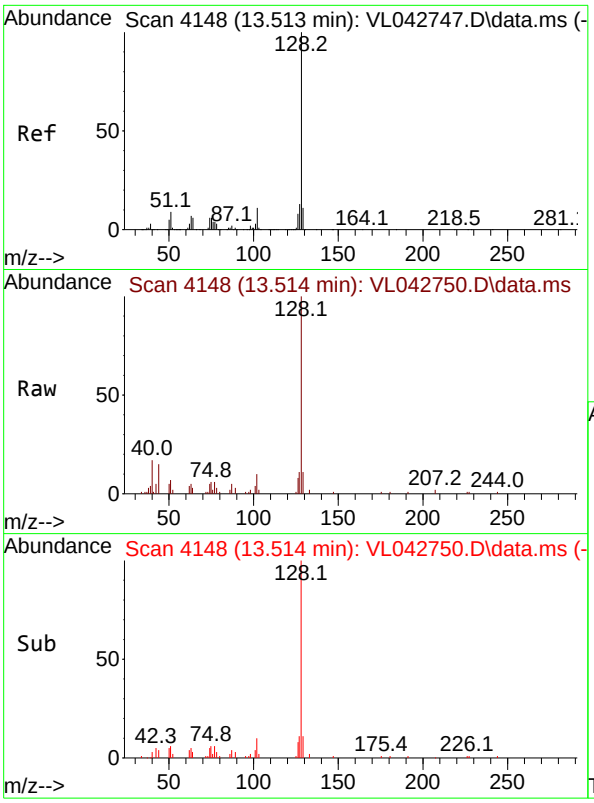


#78
Hexachloro-1,3-Butadiene
Concen: 0.532 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:225 Resp: 18330

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.7	76.1
227	63.7	50.5	75.7

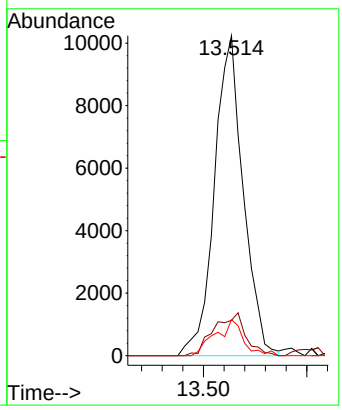




#79
Naphthalene
Concen: 0.592 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:128 Resp: 991

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.2	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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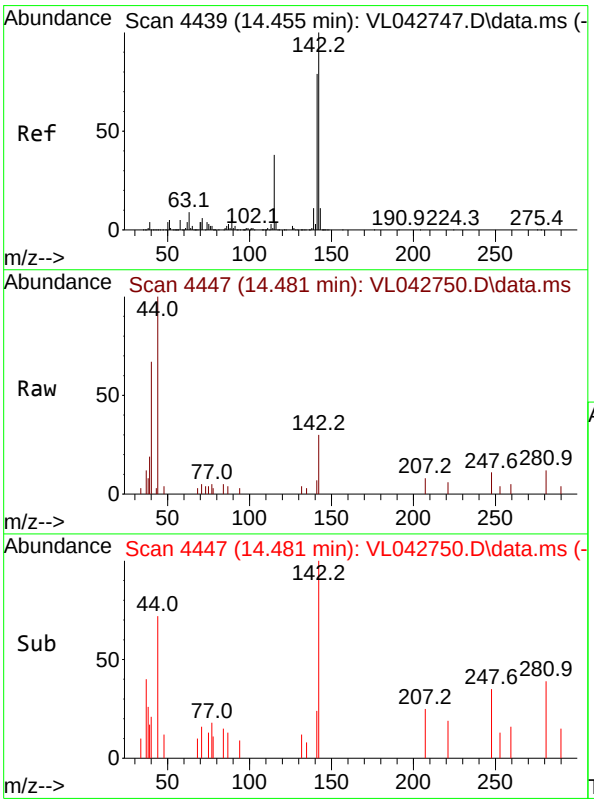
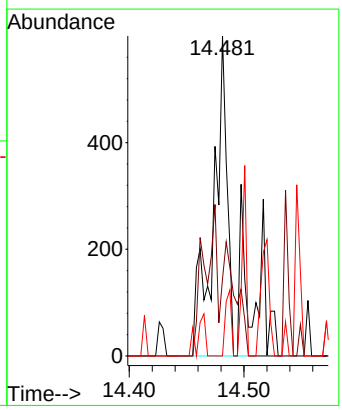
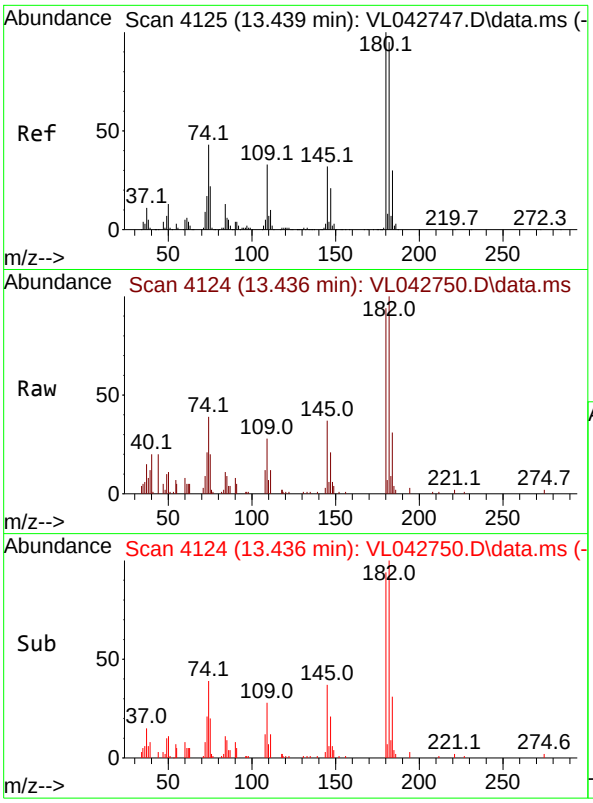


#80
Naphthalene,2-methyl-
Concen: 1.148 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:142 Resp: 731

Ion	Ratio	Lower	Upper
142	100		
141	54.6	65.8	98.8#
115	5.2	31.2	46.8#

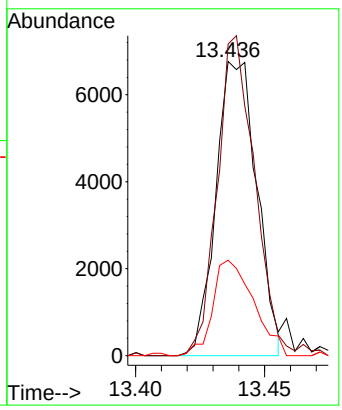




#81
1,2,4-Trichlorobenzene
Concen: 0.645 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:180 Resp: 745

Ion	Ratio	Lower	Upper
180	100		
182	100.9	76.2	114.2
184	33.0	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	151834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	432802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	387541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	302164	9.845	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	376	0.047	ppbv	# 68
32) 1,1,1-Trichloroethane	3.366	97	1149m	0.035	ppbv	
35) Carbon Tetrachloride	3.755	117	1233m	0.038	ppbv	
38) Trichloroethene	4.535	130	664m	0.034	ppbv	
52) Tetrachloroethene	8.215	164	654m	0.038	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	1285m	0.040	ppbv	

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

Quantitation Report (QT Reviewed)

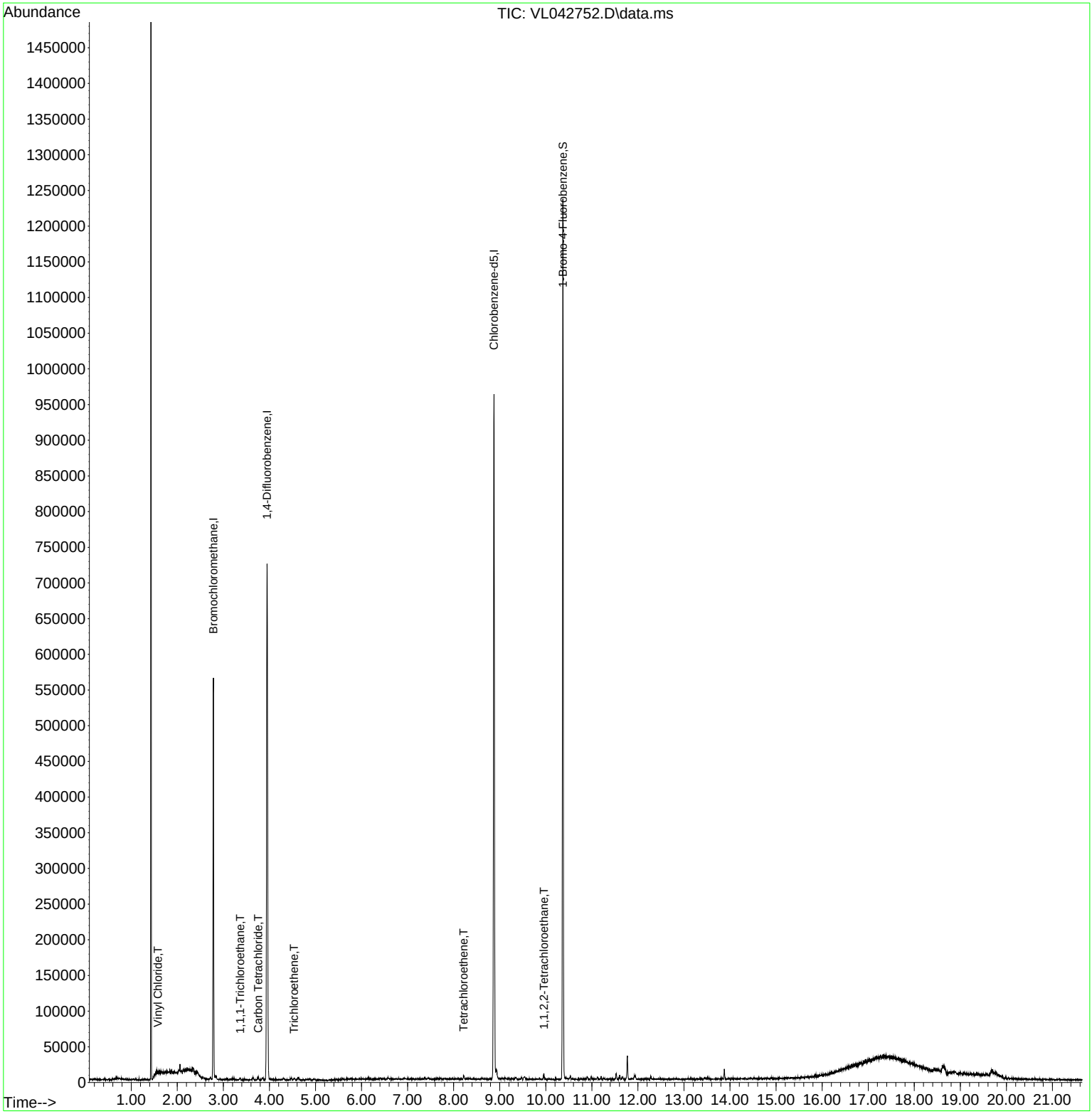
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

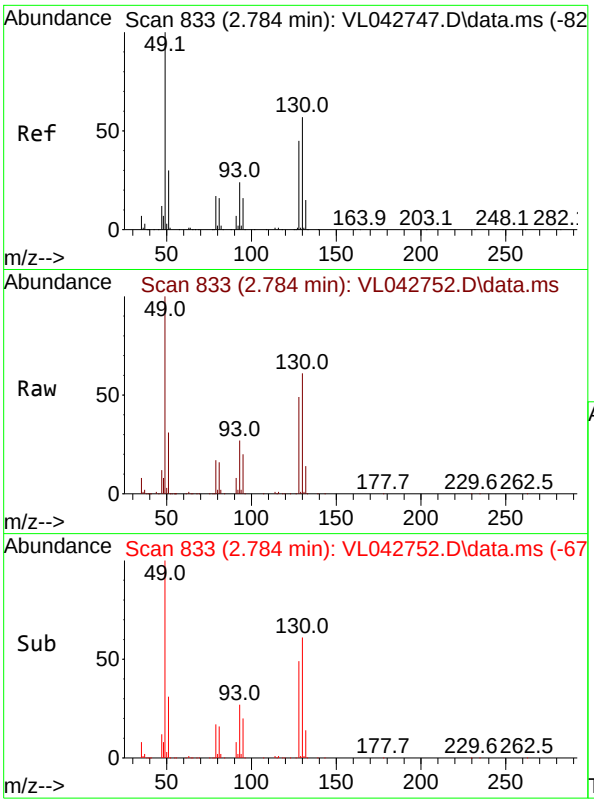
Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

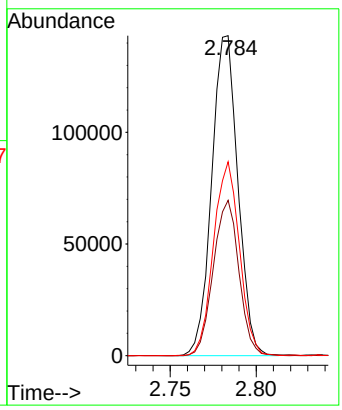




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 49 Resp: 15183

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.6	71.0
130	60.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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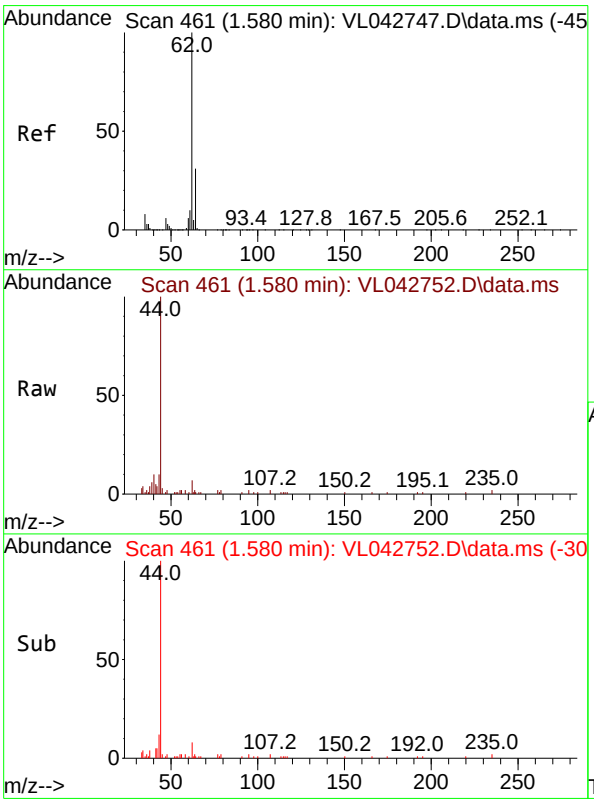
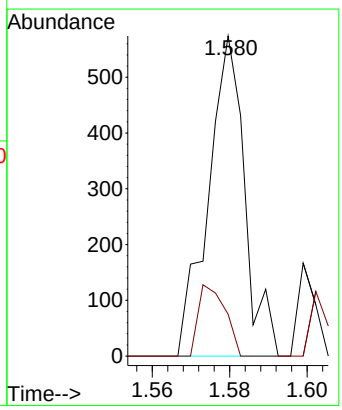
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

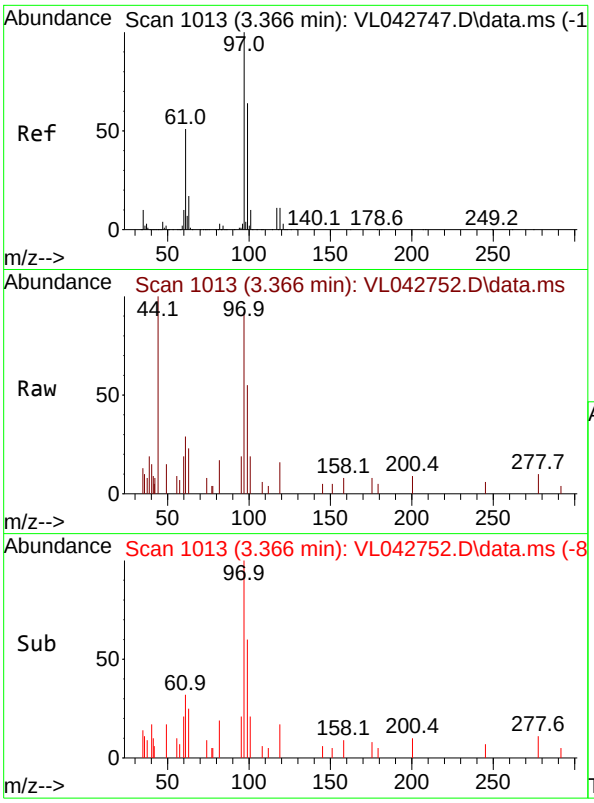


#5
Vinyl Chloride
Concen: 0.047 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 62 Resp: 376

Ion	Ratio	Lower	Upper
62	100		
64	13.1	24.5	36.7#

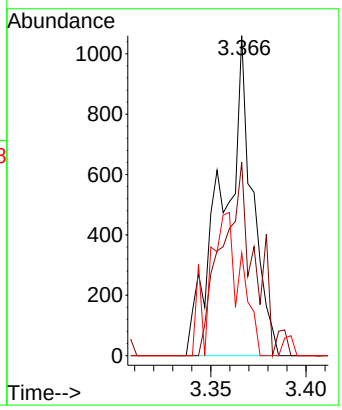




#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv m
RT: 3.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 97 Resp: 114

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6
61	48.9	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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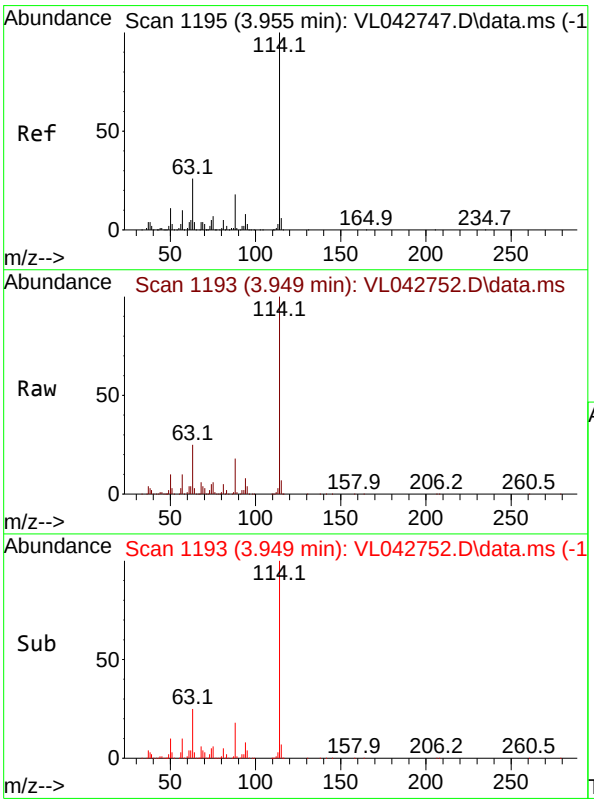
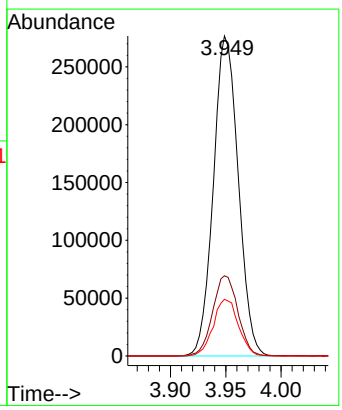
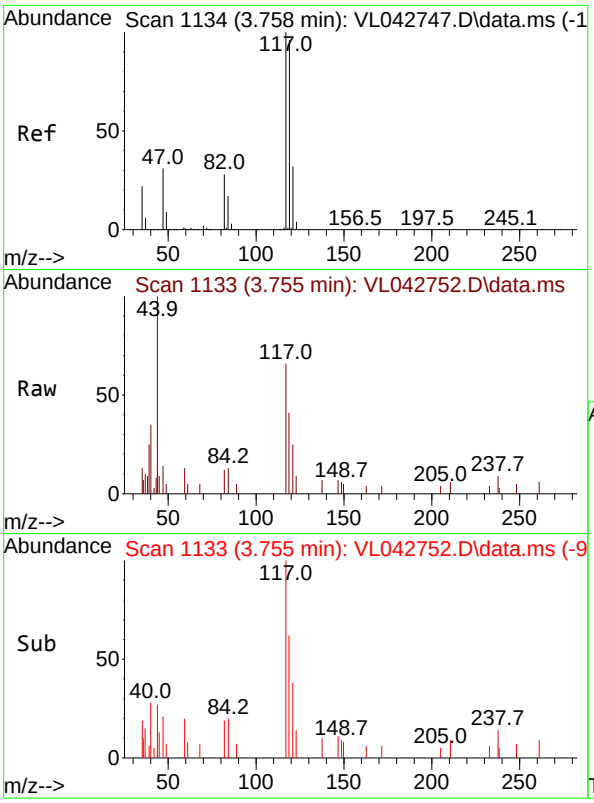


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:114 Resp: 432802

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.9	14.0	21.0

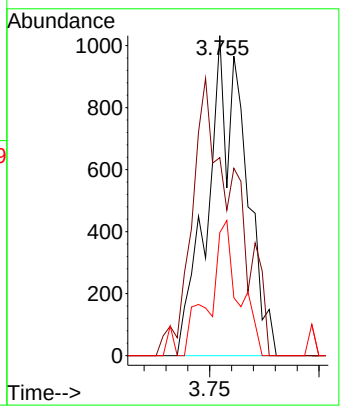




#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:117 Resp: 123

Ion	Ratio	Lower	Upper
117	100		
119	61.9	77.1	115.7#
121	38.5	25.5	38.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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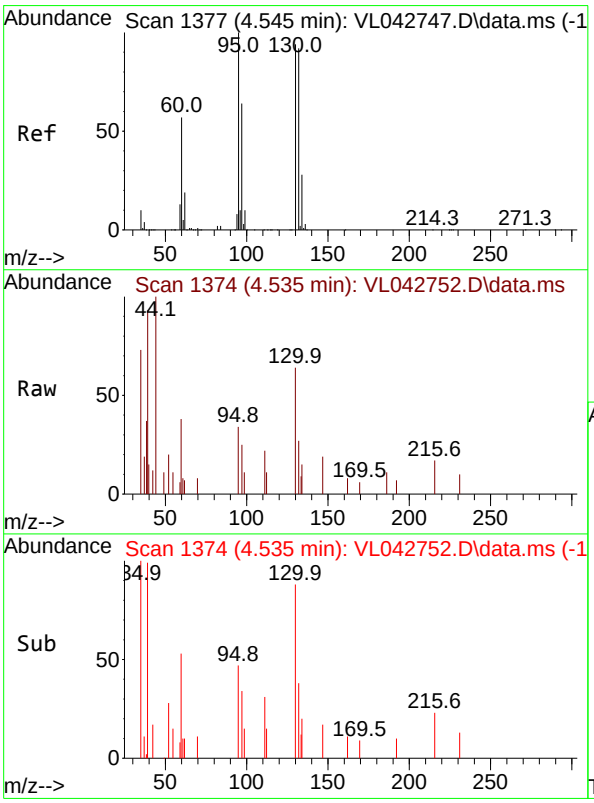
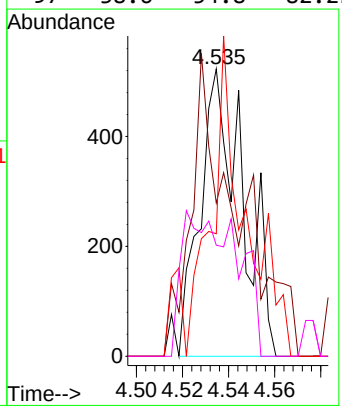
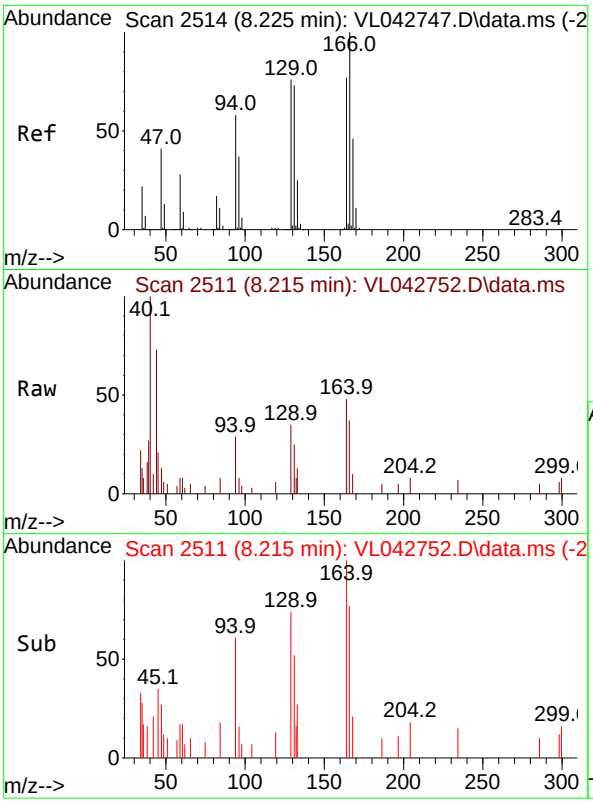


#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 4.535 min Scan# 1374
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:130 Resp: 664

Ion	Ratio	Lower	Upper
130	100		
95	53.3	85.4	128.2#
132	42.6	78.2	117.2#
97	38.6	54.8	82.2#

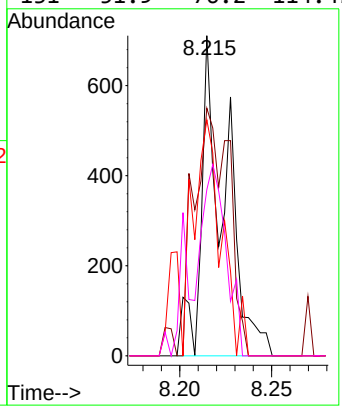




#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 8.215 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:164 Resp: 65

Ion	Ratio	Lower	Upper
164	100		
166	77.4	104.0	156.0#
129	73.7	79.2	118.8#
131	51.9	76.2	114.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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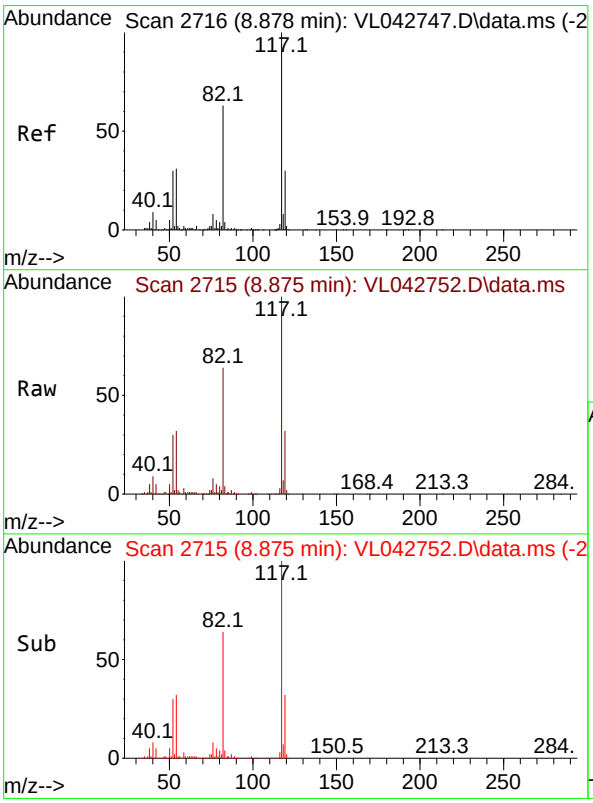
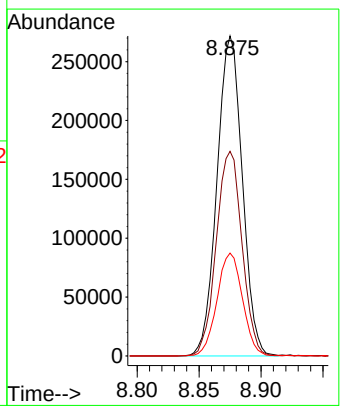
Supervised By :Mahesh Dadoda 07/24/2025

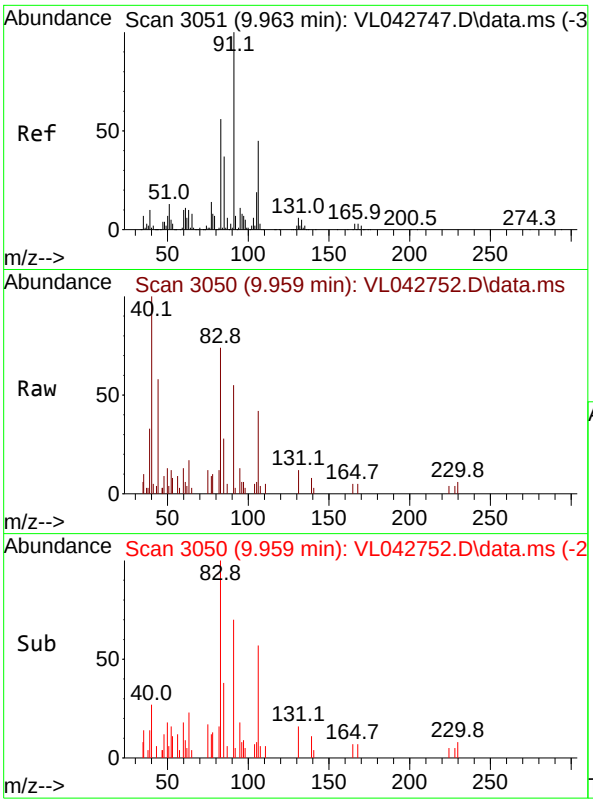


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:117 Resp: 387541

Ion	Ratio	Lower	Upper
117	100		
82	65.0	53.3	79.9
119	32.6	25.8	38.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.040 ppbv m
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 83 Resp: 128

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.0	15.0
85	54.6	32.6	97.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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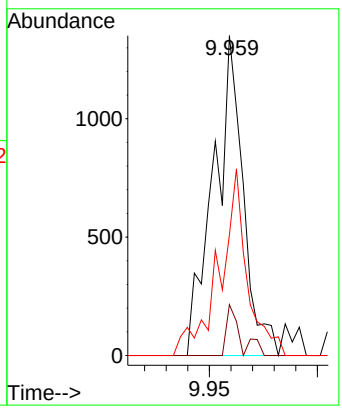
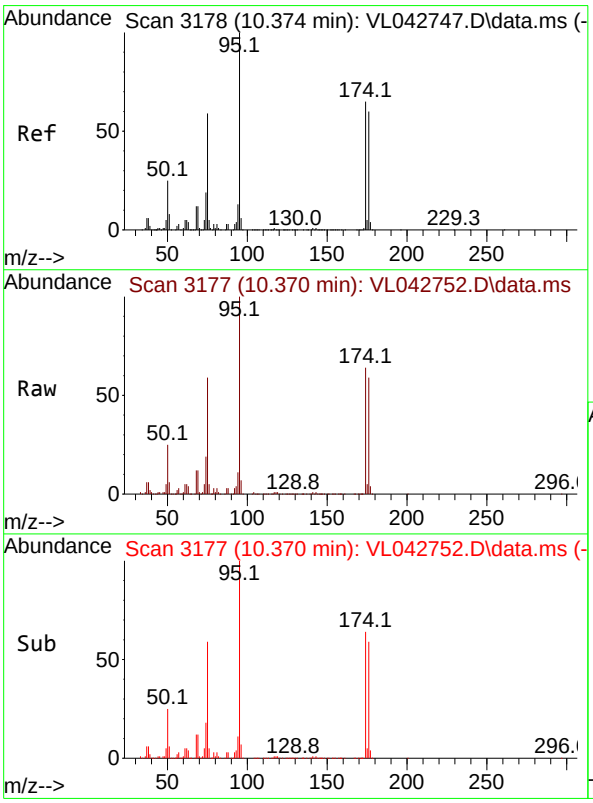
Supervised By :Mahesh Dadoda 07/24/2025

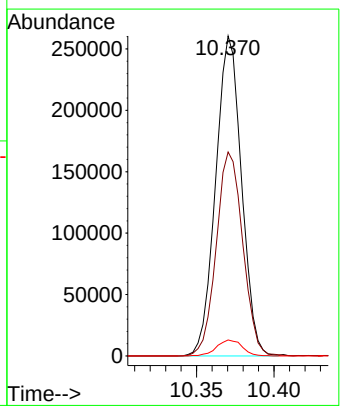




#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 95 Resp: 302164

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.8	80.6
175	5.0	4.0	6.0



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	315293	10.335	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	329850	16.115	ppbv		99
47) 1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv		96
48) Dibromochloromethane	7.380	129	397179	15.695	ppbv		99
49) Bromoform	9.477	173	352050	15.955	ppbv		97
50) 4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv		100
51) 2-Hexanone	7.428	43	485325	16.467	ppbv	#	100
52) Tetrachloroethene	8.221	164	217184	12.899	ppbv		95
53) Toluene	6.923	91	670142	15.405	ppbv		99
54) 1,2-Dibromoethane	7.645	107	338867	15.019	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv		99
57) Chlorobenzene	8.917	112	522894	14.025	ppbv		98
58) Ethyl Benzene	9.351	91	940159	15.454	ppbv		99
59) m/p-Xylene	9.545	91	1497932m	30.800	ppbv		
60) o-Xylene	9.959	91	730161	15.030	ppbv		100
61) Styrene	9.866	104	343429	16.805	ppbv		100
62) Isopropylbenzene	10.536	105	1078393	15.049	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv		98
64) n-propylbenzene	10.985	120	286724	15.348	ppbv		97
65) tert-Butylbenzene	11.529	119	954459	14.995	ppbv		98
66) Benzyl Chloride	11.610	91	94218	18.031	ppbv		98
67) sec-Butylbenzene	11.762	105	1327393	14.662	ppbv		99
69) p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv		99
70) n-Butylbenzene	12.277	91	1152207	16.159	ppbv		100
71) 2-Chlorotoluene	10.898	91	838335	15.257	ppbv		99
72) 4-Ethyltoluene	11.121	105	918453	15.830	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv		97
75) 1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv		100
77) 1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv		99
79) Naphthalene	13.507	128	876734	15.265	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv		98
81) 1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv		99

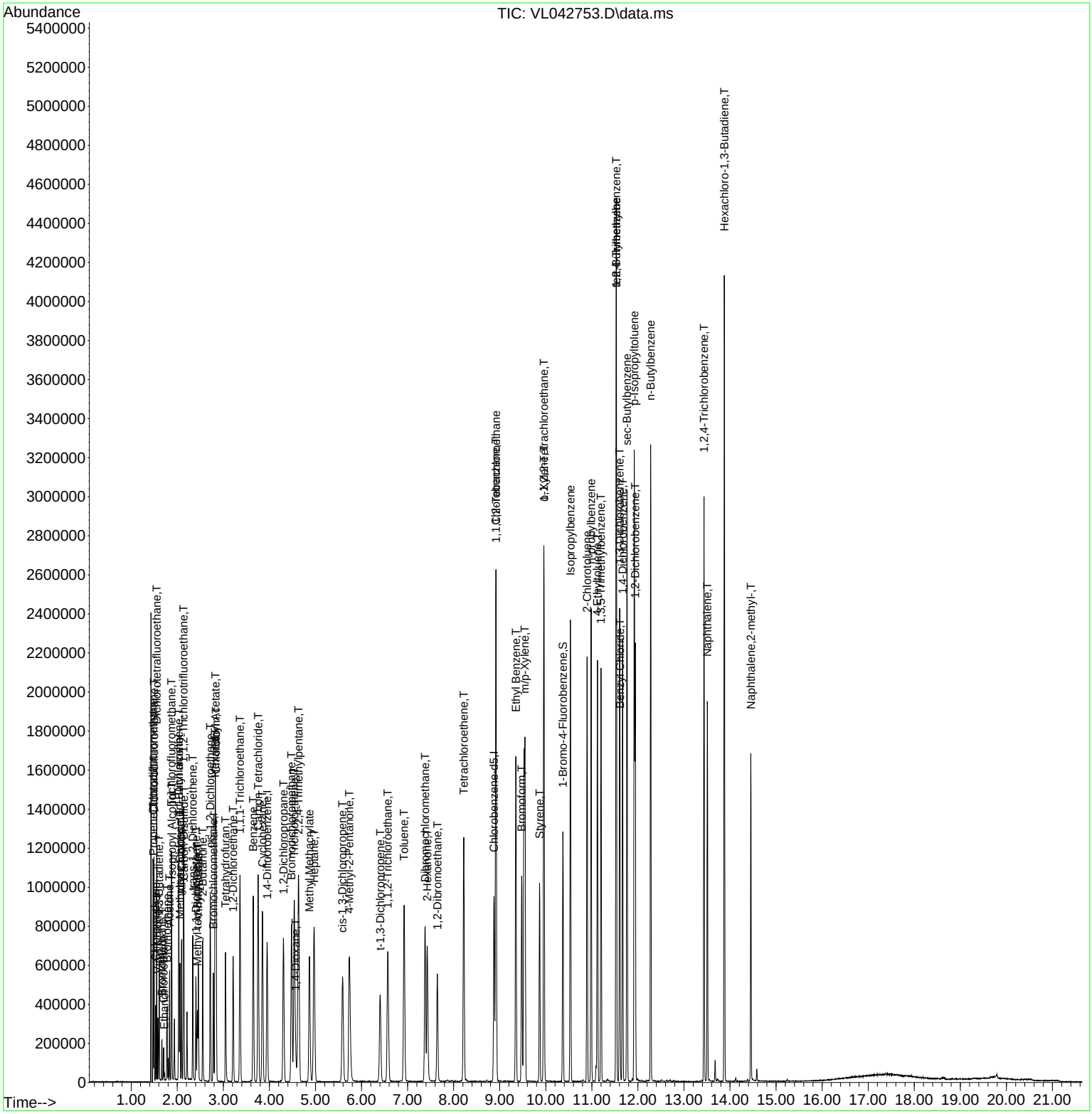
(#) = qualifier out of range (m) = manual integration (+) = signals summed

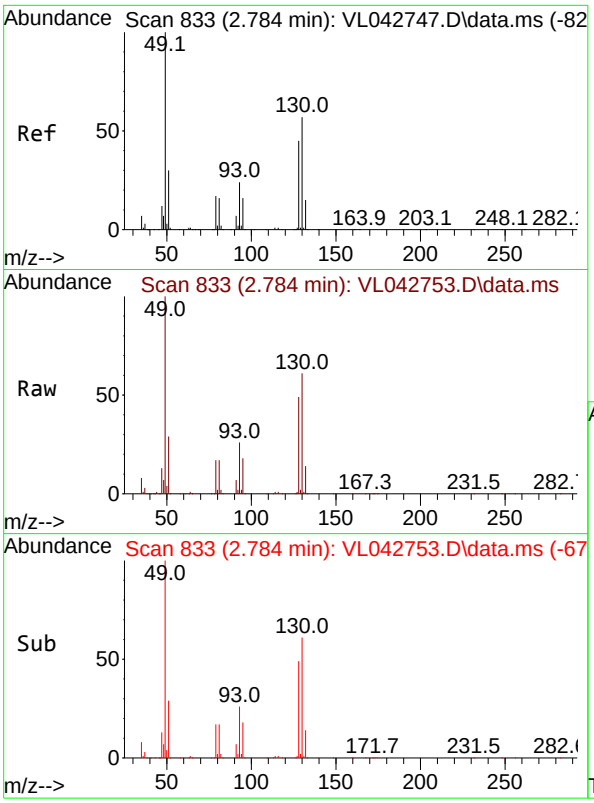
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

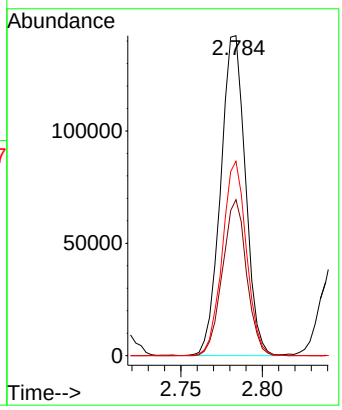




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 49 Resp: 15033

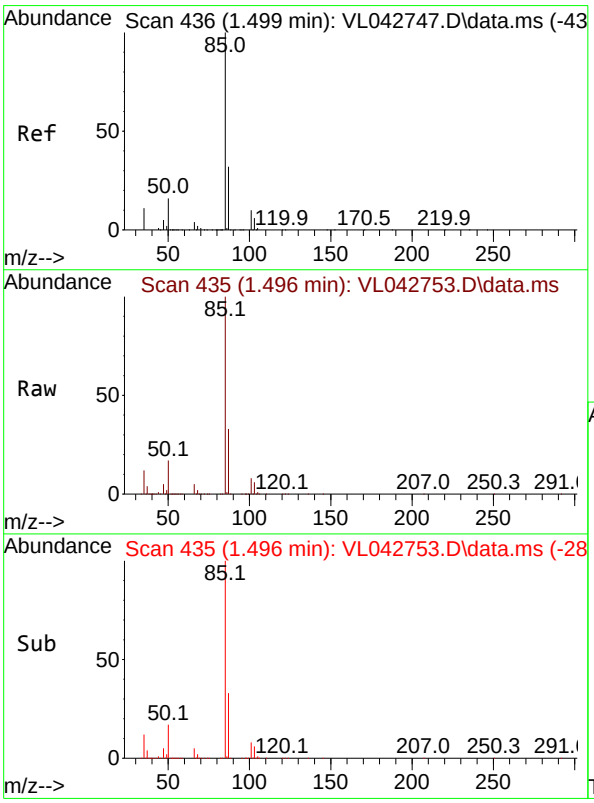
Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	59.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

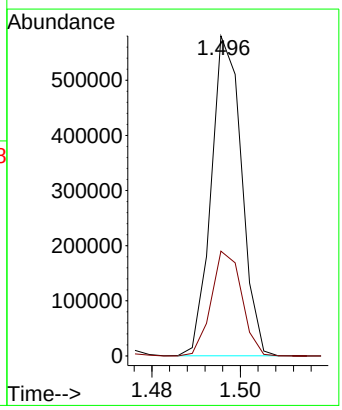
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

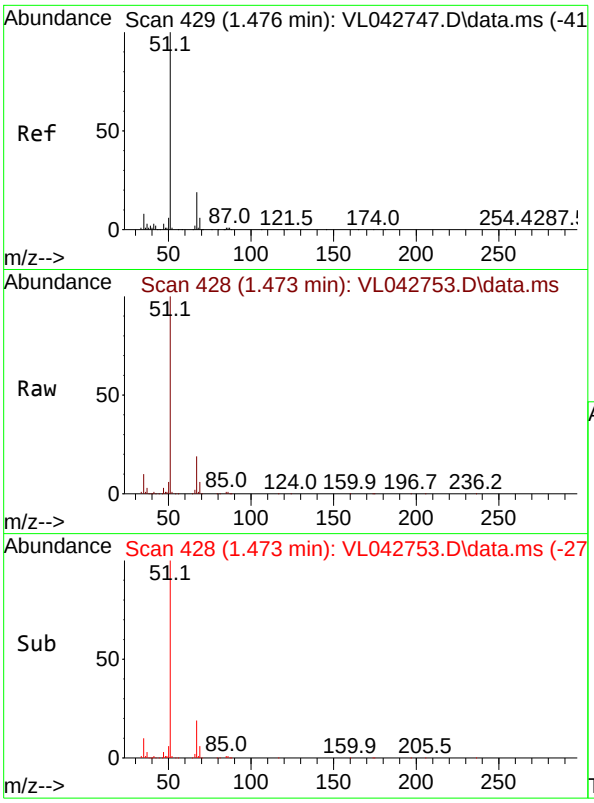


#2
Dichlorodifluoromethane
Concen: 13.938 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 277045

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.4	38.2

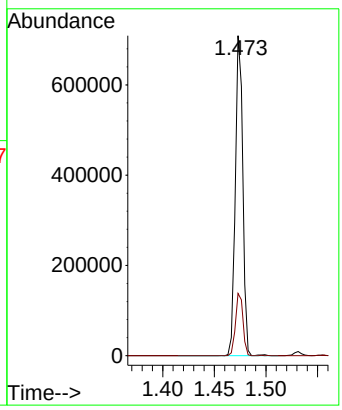




#3
Chlorodifluoromethane
Concen: 13.651 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 51 Resp: 35345

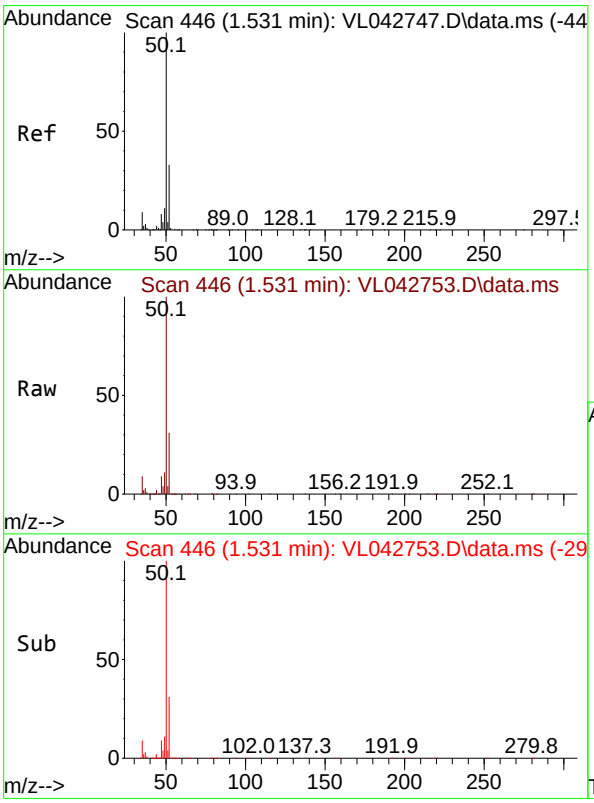
Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

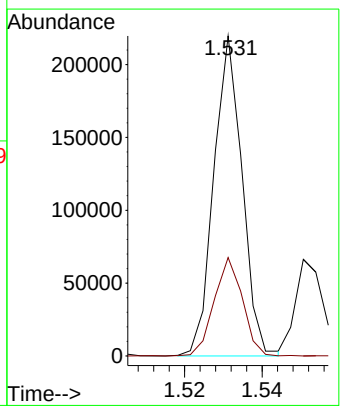
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

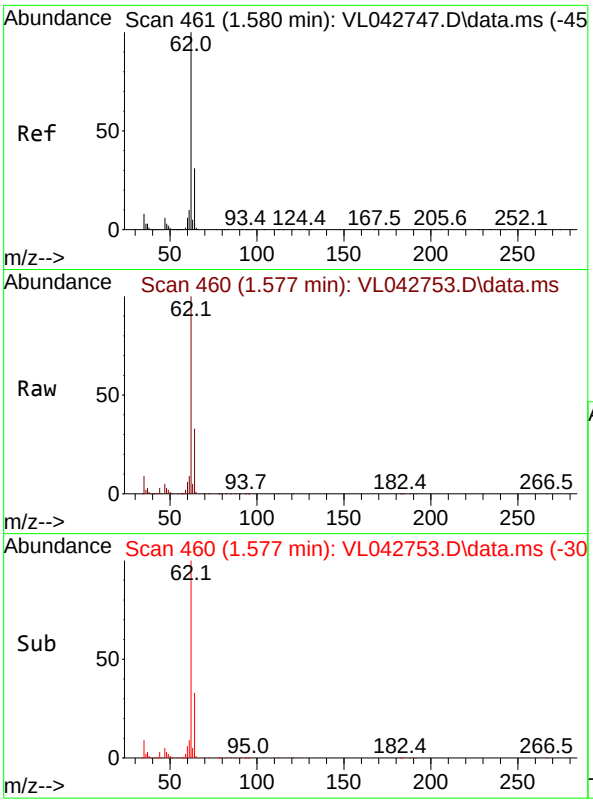


#4
Chloromethane
Concen: 13.889 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 50 Resp: 111684

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0

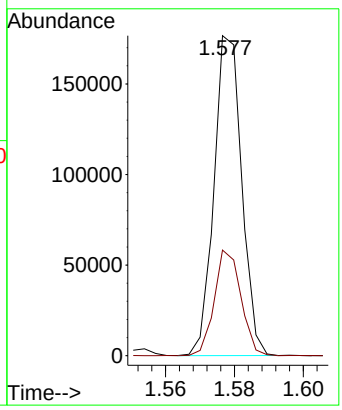




#5
Vinyl Chloride
Concen: 12.410 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 62 Resp: 9859

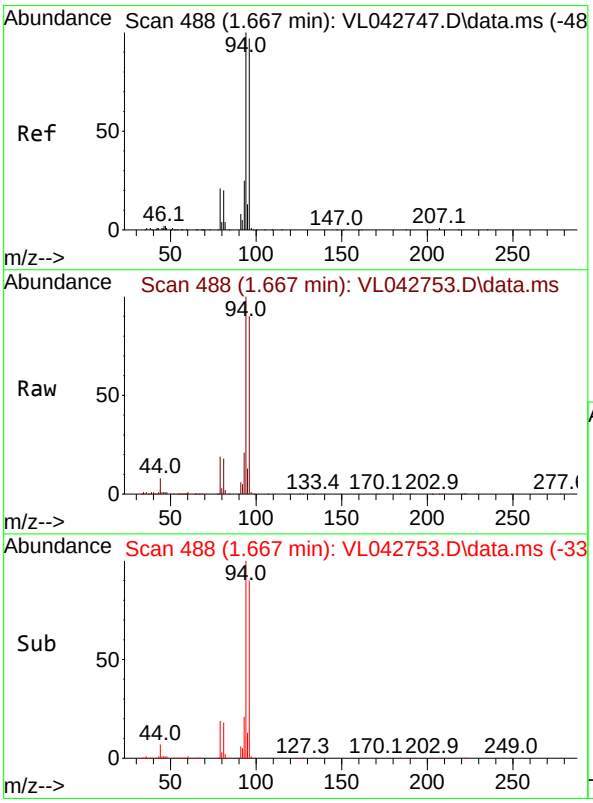
Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

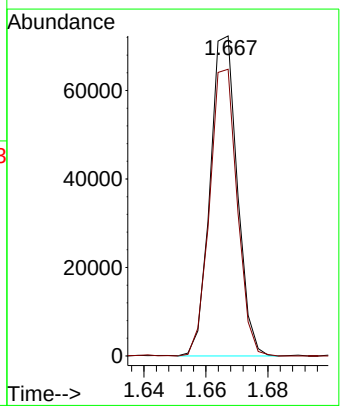
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

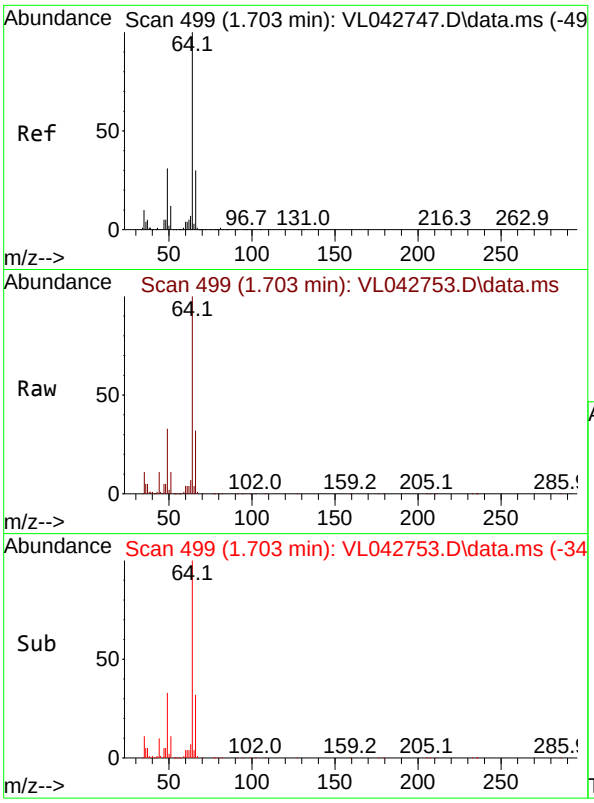


#6
Bromomethane
Concen: 14.372 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 94 Resp: 44144

Ion	Ratio	Lower	Upper
94	100		
96	89.6	77.6	116.4

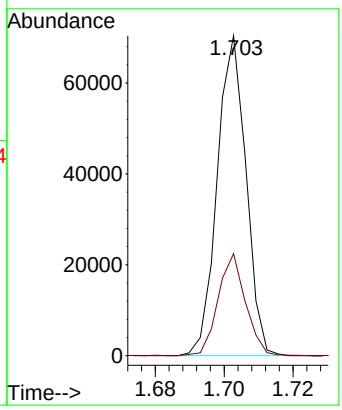




#7
Chloroethane
Concen: 13.327 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 64 Resp: 4090

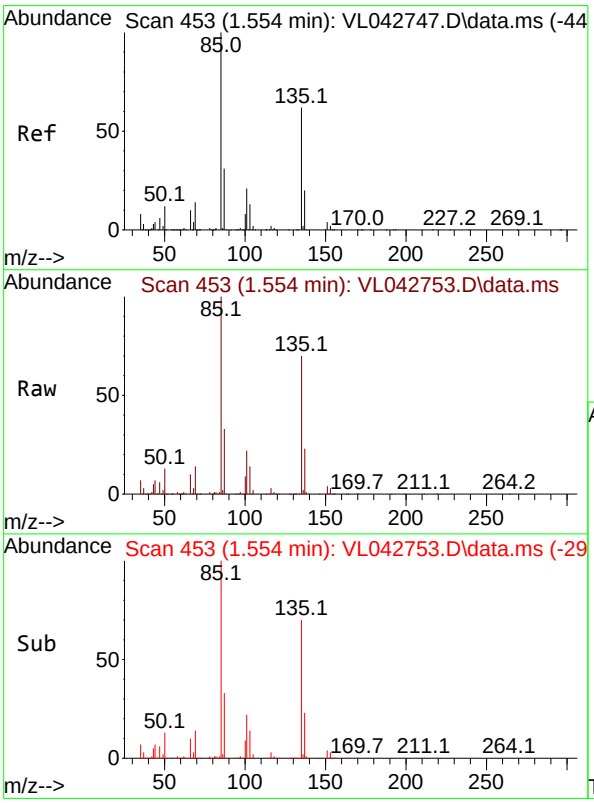
Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

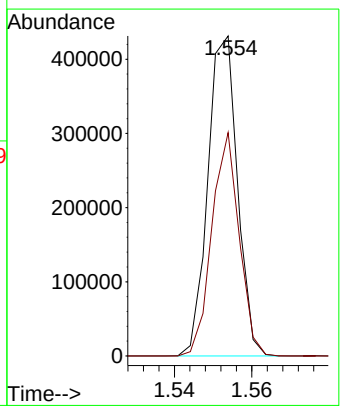
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

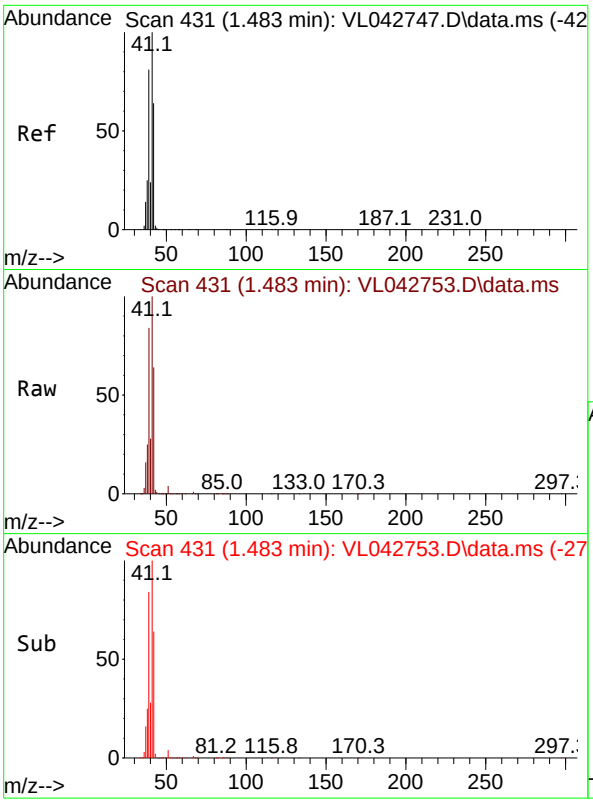


#8
Dichlorotetrafluoroethane
Concen: 14.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 229298

Ion	Ratio	Lower	Upper
85	100		
135	64.4	50.6	76.0

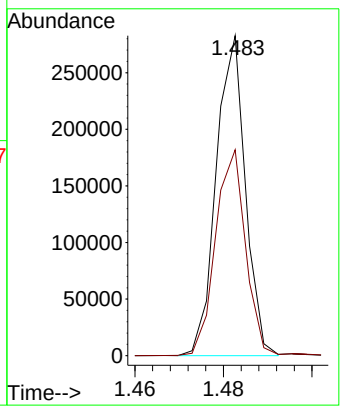




#9
Propene
Concen: 13.716 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 41 Resp: 12906

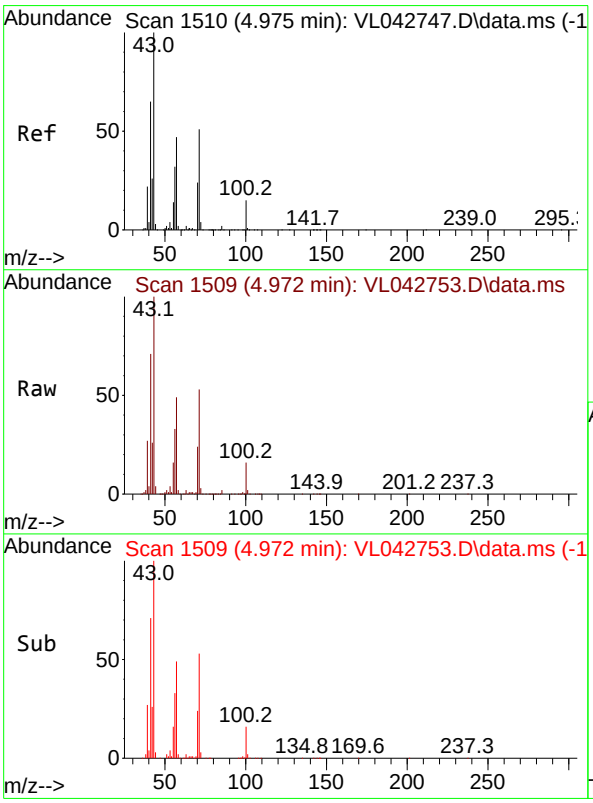
Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

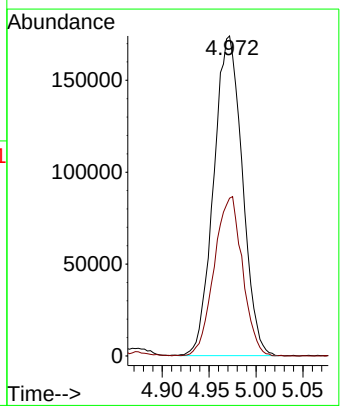
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

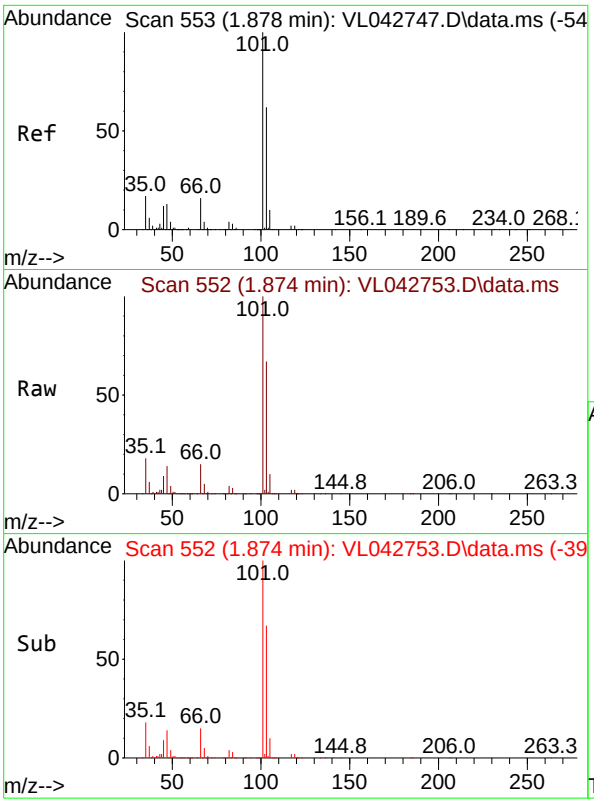


#10
Heptane
Concen: 14.563 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 368612

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.9	59.9

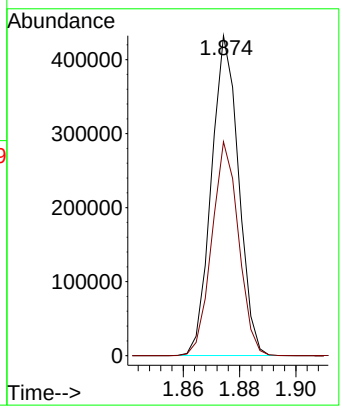




#11
Trichlorofluoromethane
Concen: 14.143 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 28976

Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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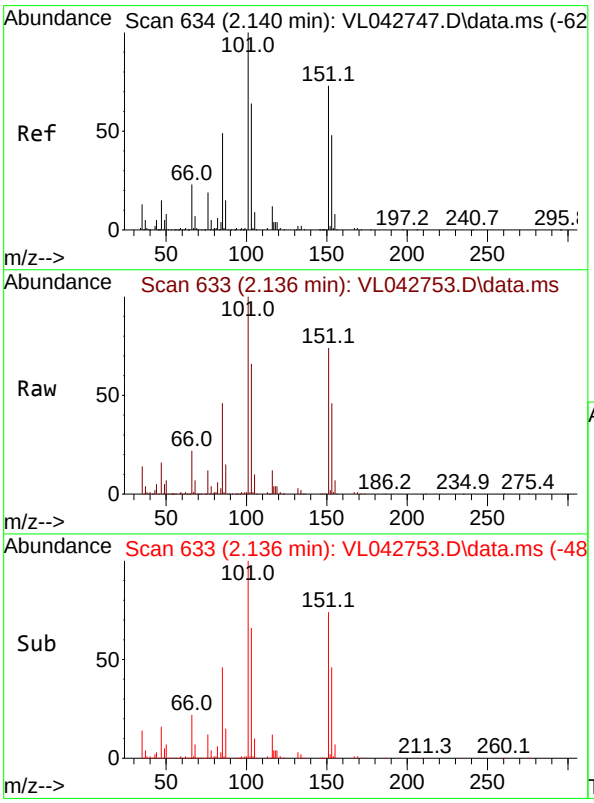
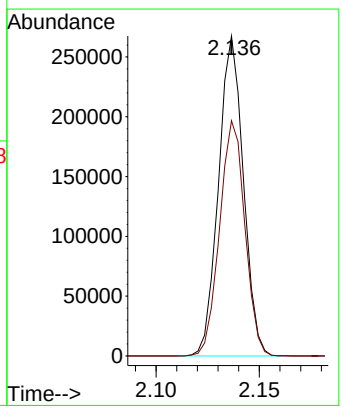
Supervised By :Mahesh Dadoda 07/24/2025

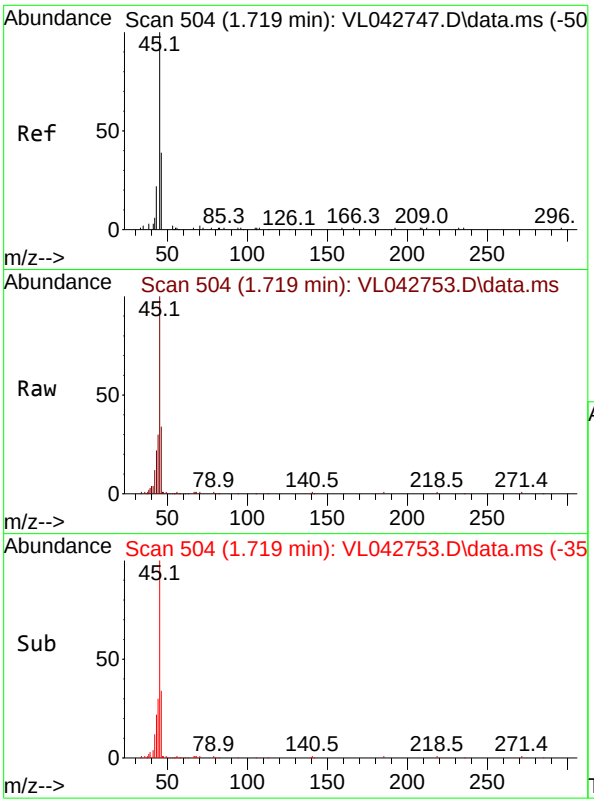


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.358 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 223552

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7

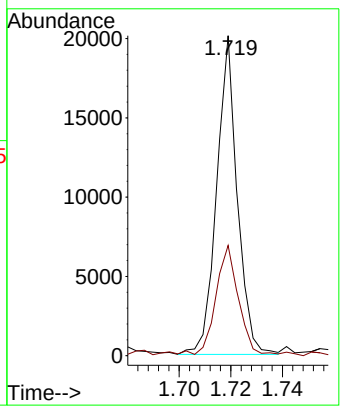




#13
Ethanol
Concen: 15.142 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 45 Resp: 1114

Ion	Ratio	Lower	Upper
45	100		
46	35.4	17.8	71.4



Instrument :
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ClientSampleId :
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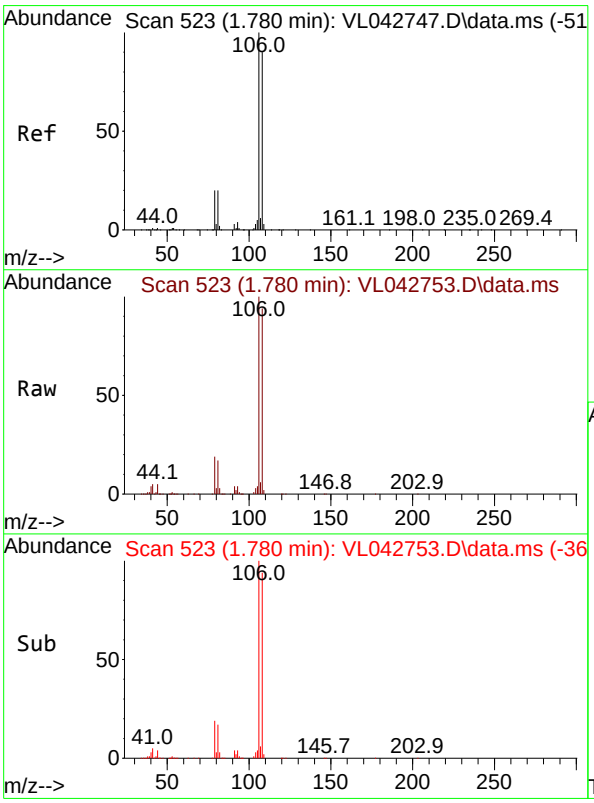
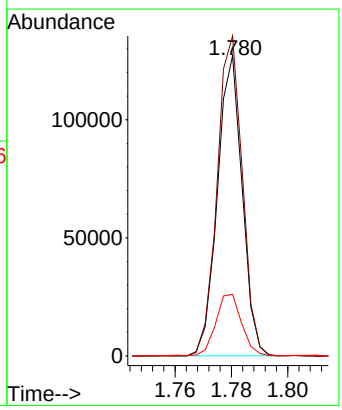
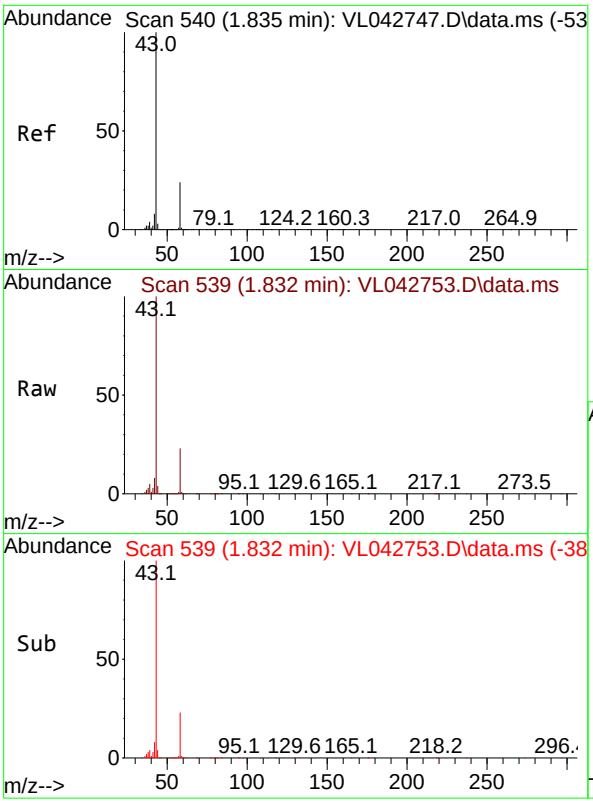


#14
Bromoethene
Concen: 14.047 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:108 Resp: 77435

Ion	Ratio	Lower	Upper
108	100		
106	108.5	84.7	127.1
79	22.3	17.4	26.2

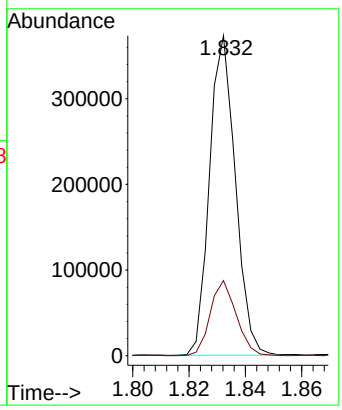




#15
Acetone
Concen: 11.449 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 23766

Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.8	29.8



Instrument :
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ClientSampleId :
VSTDICC015

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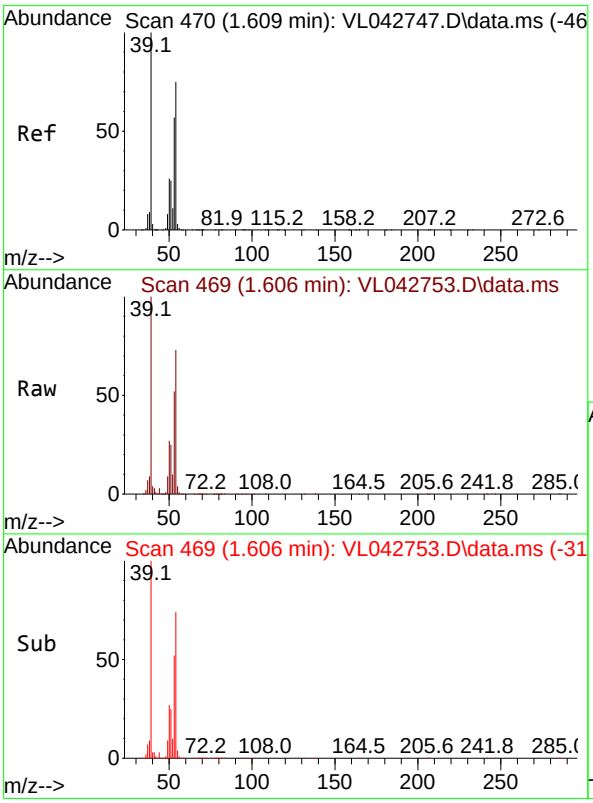
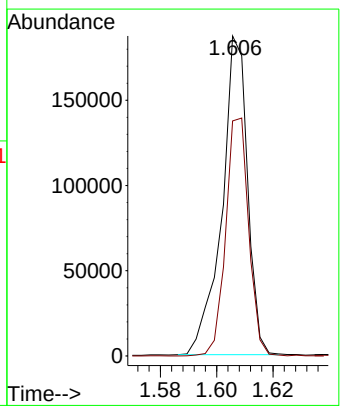
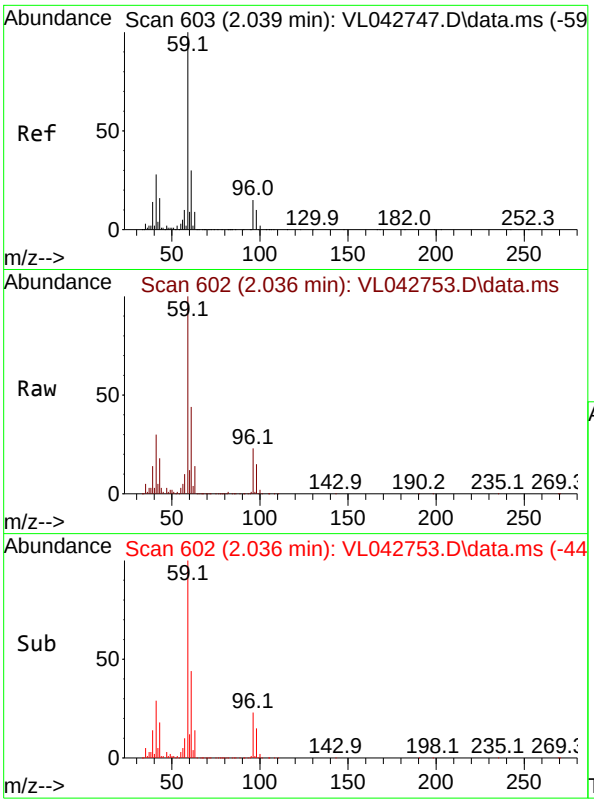


#16
1,3-Butadiene
Concen: 13.355 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 39 Resp: 118252

Ion	Ratio	Lower	Upper
39	100		
54	67.5	54.5	81.7

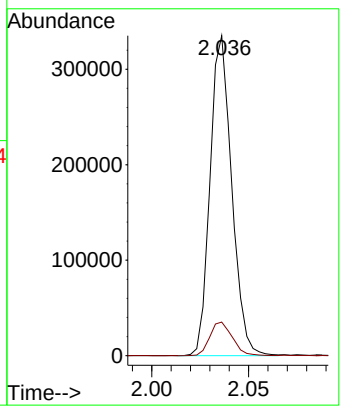




#17
tert-Butyl alcohol
Concen: 13.919 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 59 Resp: 26058

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5



Instrument :
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ClientSampleId :
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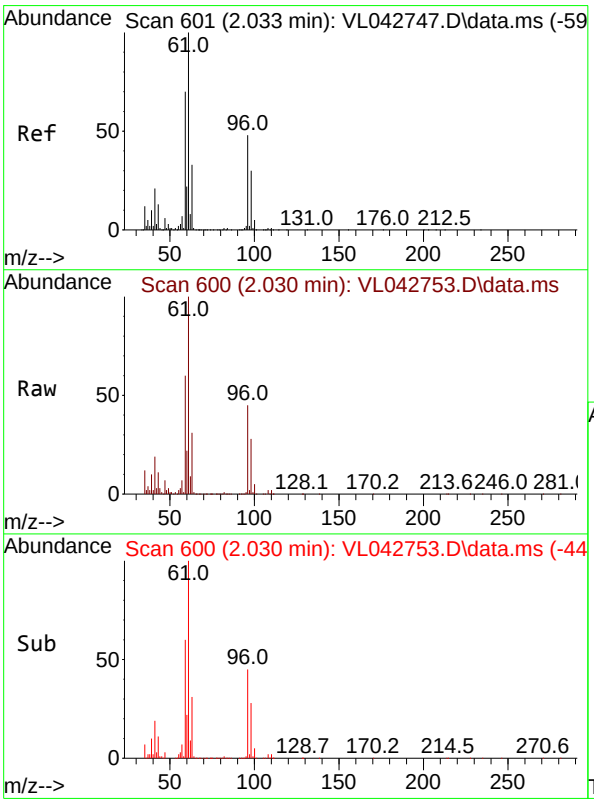
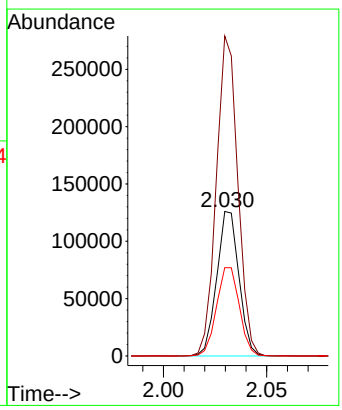
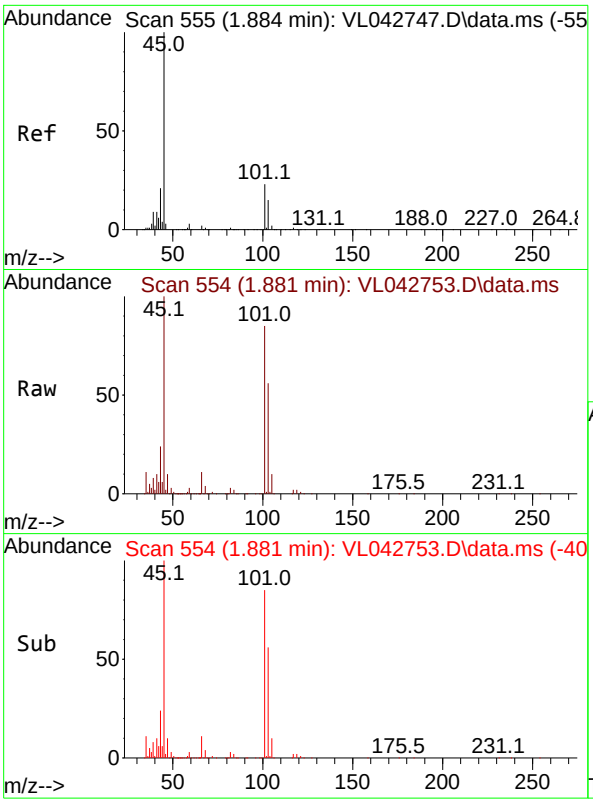


#18
1,1-Dichloroethene
Concen: 13.382 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 94140

Ion	Ratio	Lower	Upper
96	100		
61	221.6	165.8	248.6
98	61.2	49.9	74.9

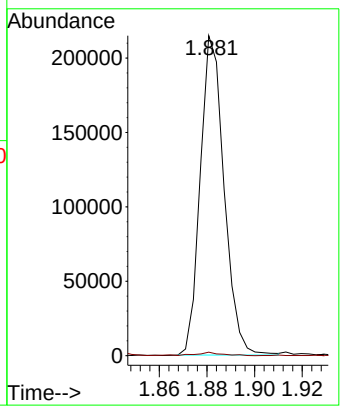




#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 45 Resp: 14946

Ion	Ratio	Lower	Upper
45	100		
58	38.1	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
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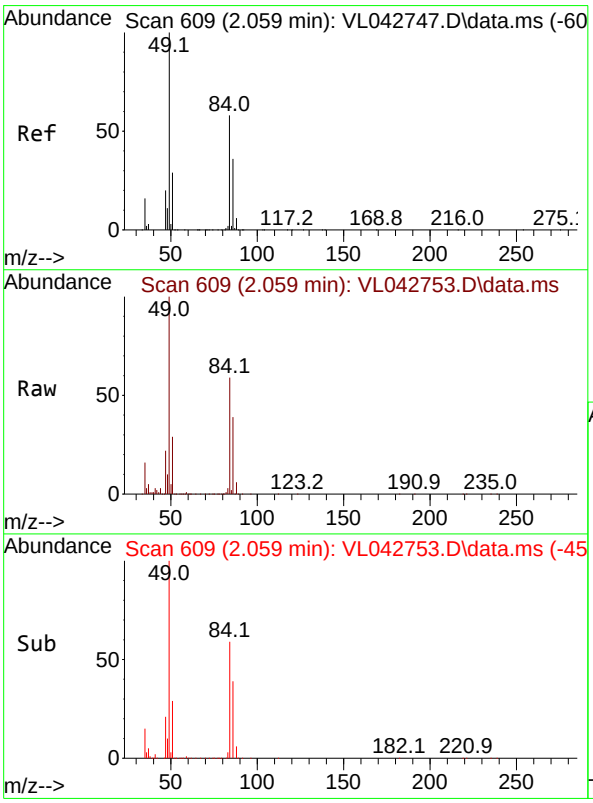
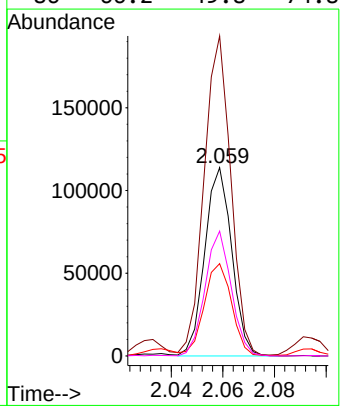
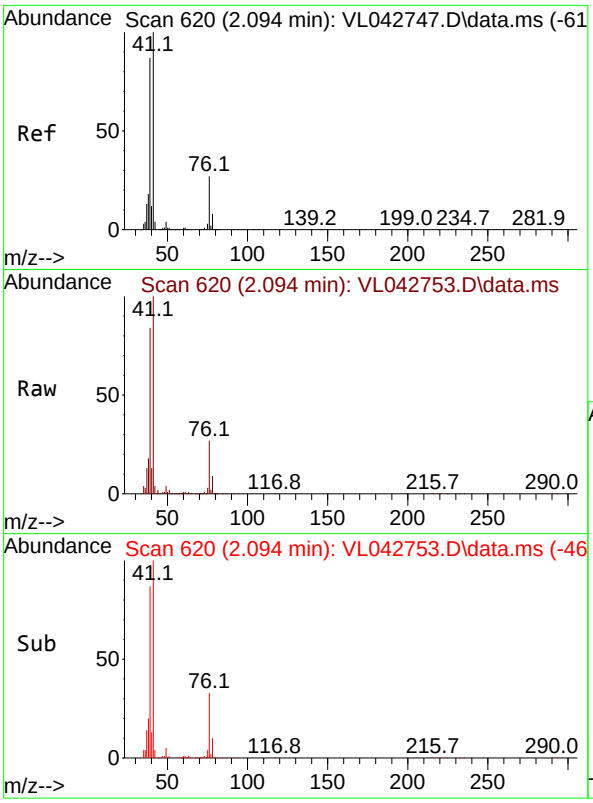


#20
Methylene Chloride
Concen: 12.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 82755

Ion	Ratio	Lower	Upper
84	100		
49	169.2	138.6	208.0
51	48.6	40.6	61.0
86	66.2	49.8	74.8

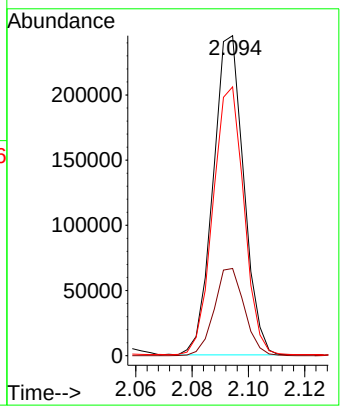




#21
Allyl Chloride
Concen: 14.476 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 41 Resp: 18520

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.1	31.7
39	85.2	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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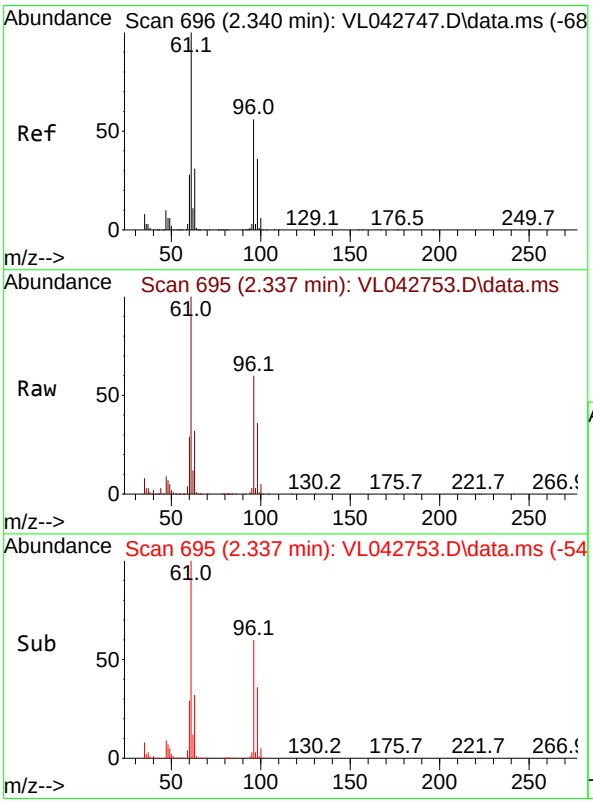
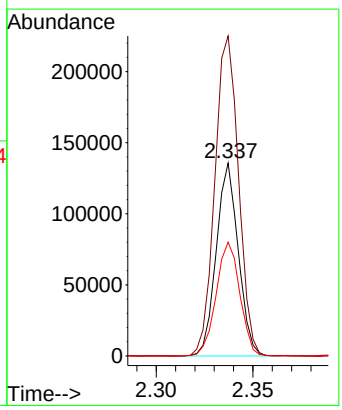
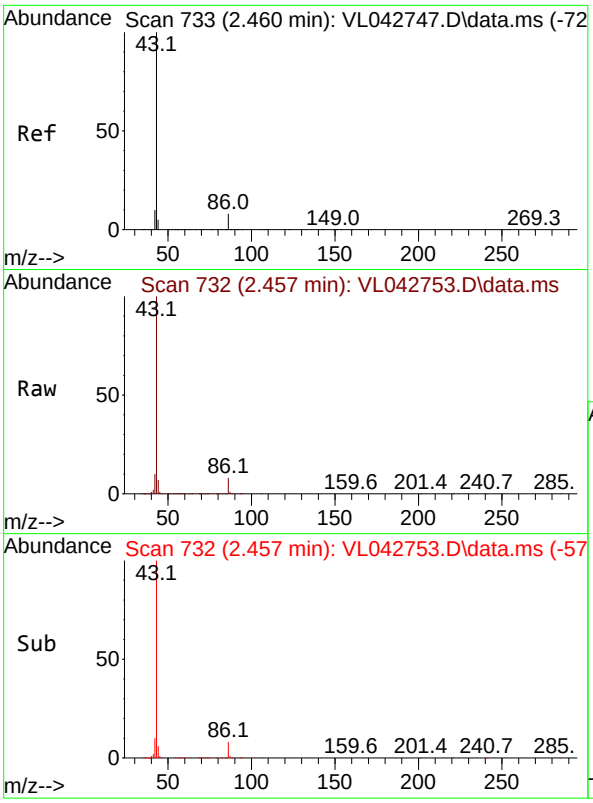


#22
trans-1,2-Dichloroethene
Concen: 14.160 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 107003

Ion	Ratio	Lower	Upper
96	100		
61	165.9	142.3	213.5
98	59.0	50.6	76.0

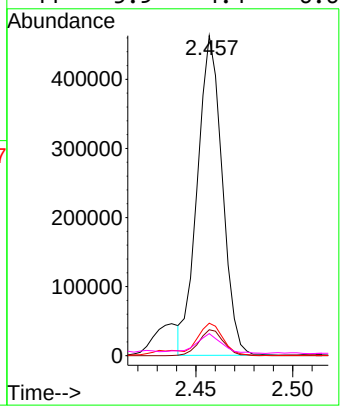




#23
Vinyl Acetate
Concen: 16.426 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 41337

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.1	9.1
42	10.1	7.8	11.8
44	5.9	4.4	6.6



Instrument :
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ClientSampleId :
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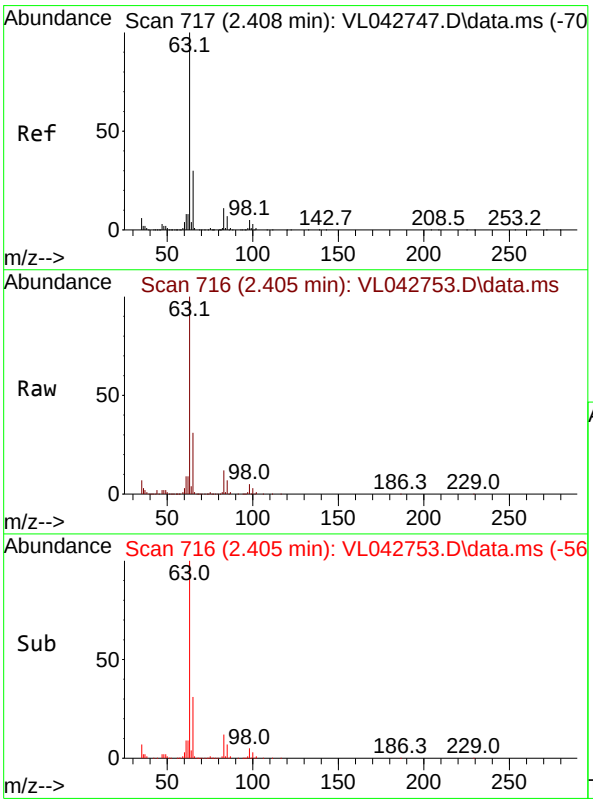
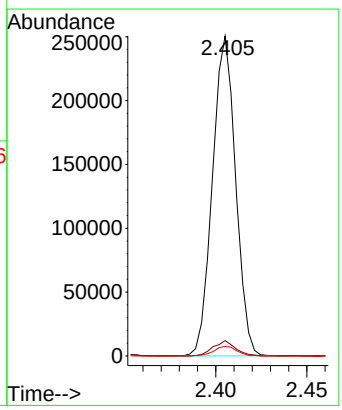
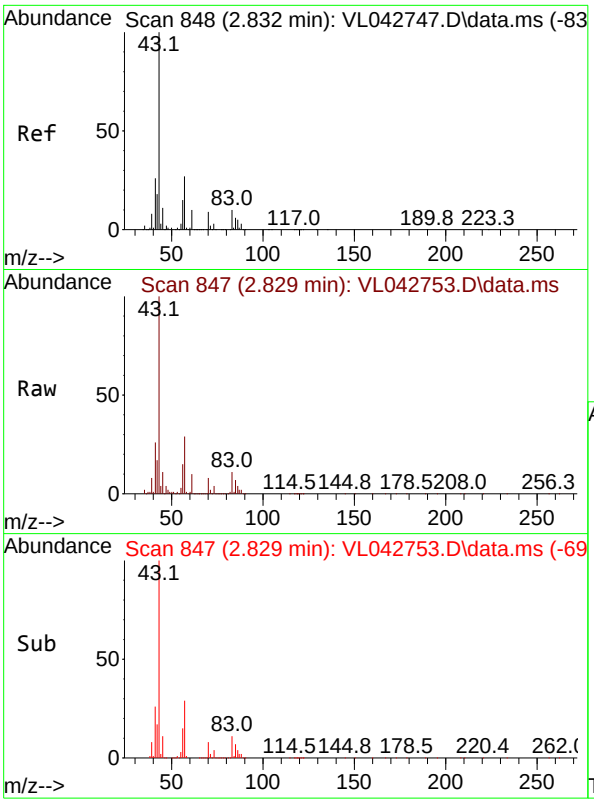


#24
1,1-Dichloroethane
Concen: 14.239 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 221175

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.4
100	2.9	1.6	4.8

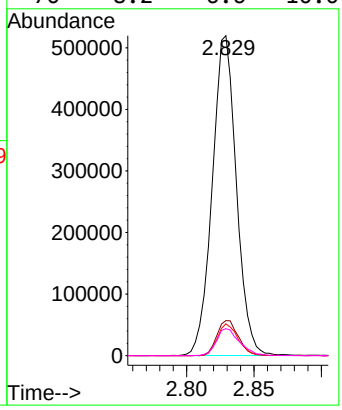




#25
Ethyl Acetate
Concen: 14.084 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 64715

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	8.6	6.7	10.1
70	8.2	6.6	10.0



Instrument :
MSVOA_L
ClientSampleId :
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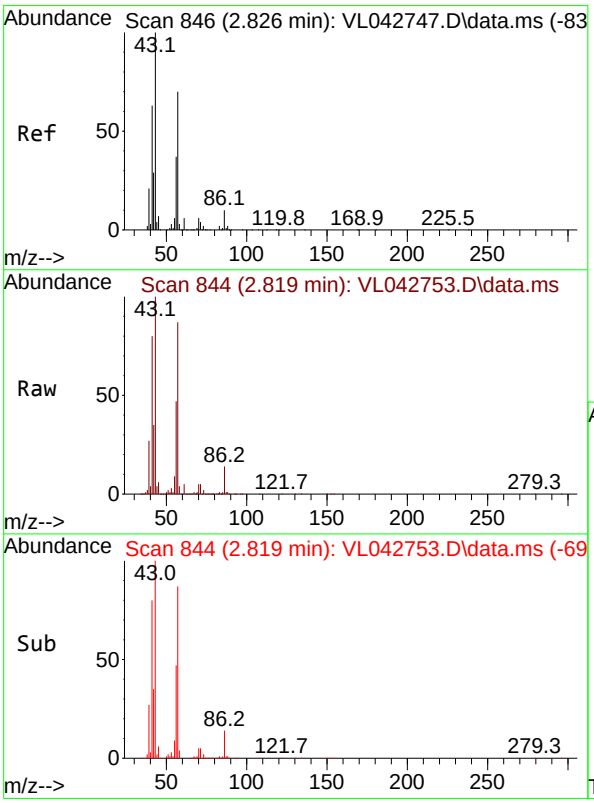
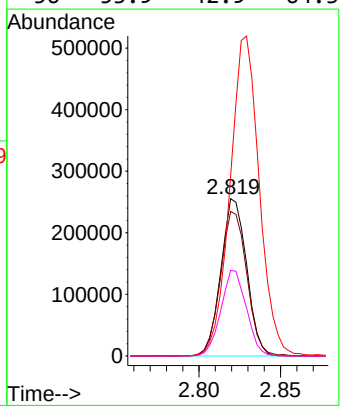
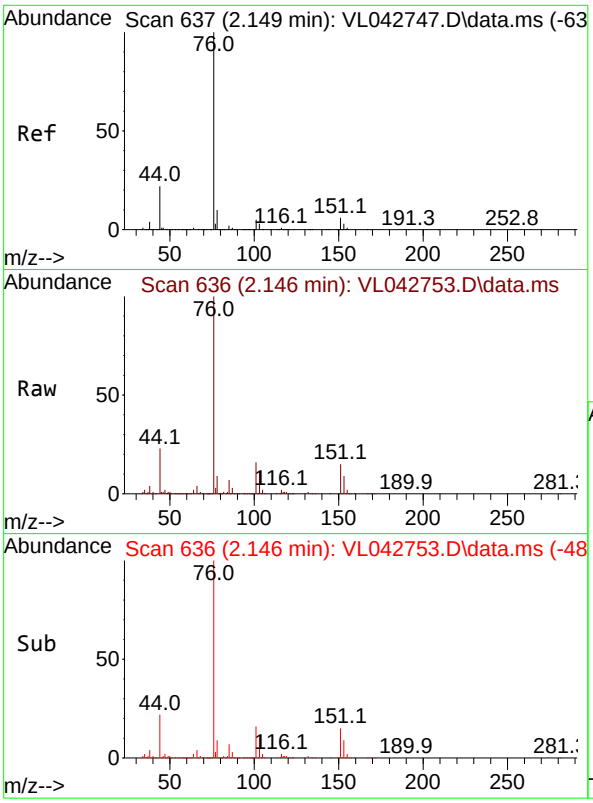


#26
Hexane
Concen: 13.869 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 279549

Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.4	113.2
43	232.7	185.0	277.6
56	53.9	42.9	64.3

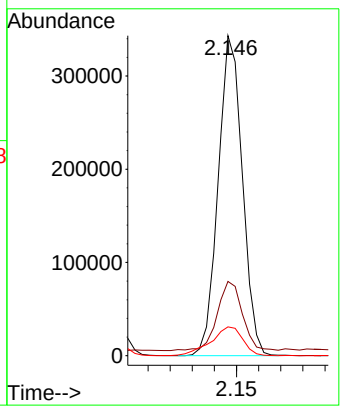




#27
Carbon Disulfide
Concen: 15.119 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 76 Resp: 26088

Ion	Ratio	Lower	Upper
76	100		
44	23.1	19.3	28.9
78	11.9	9.9	14.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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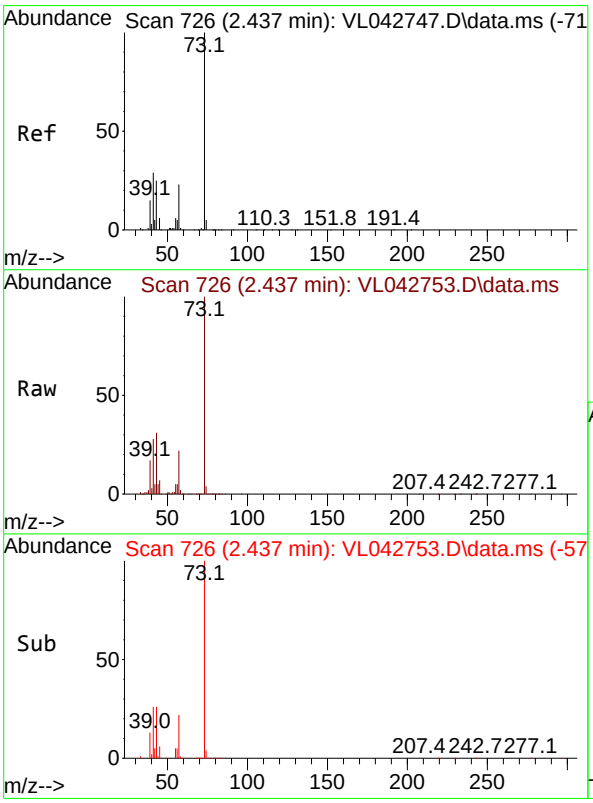
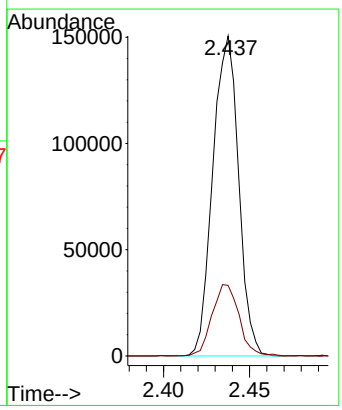
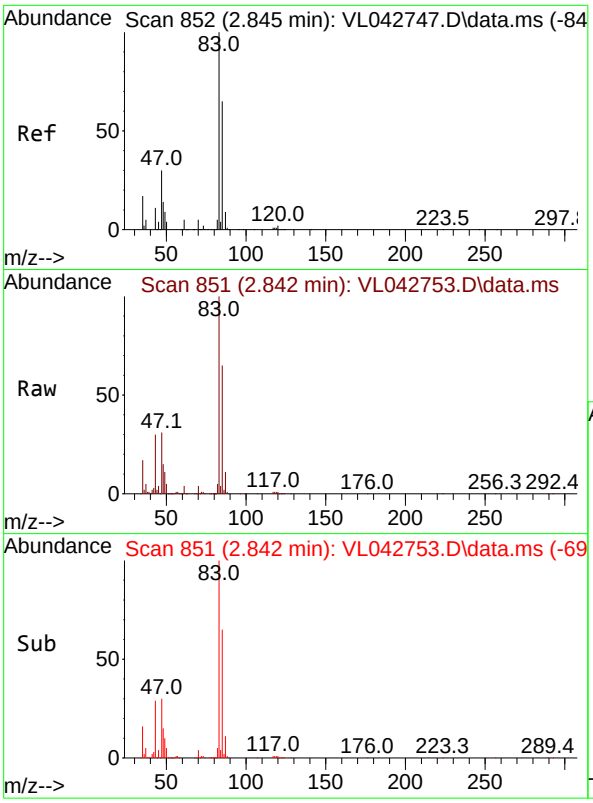


#28
Methyl tert-Butyl Ether
Concen: 16.477 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 73 Resp: 156895

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.8	29.8

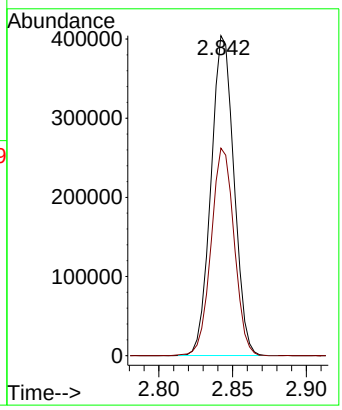




#29
Chloroform
Concen: 14.067 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 43815

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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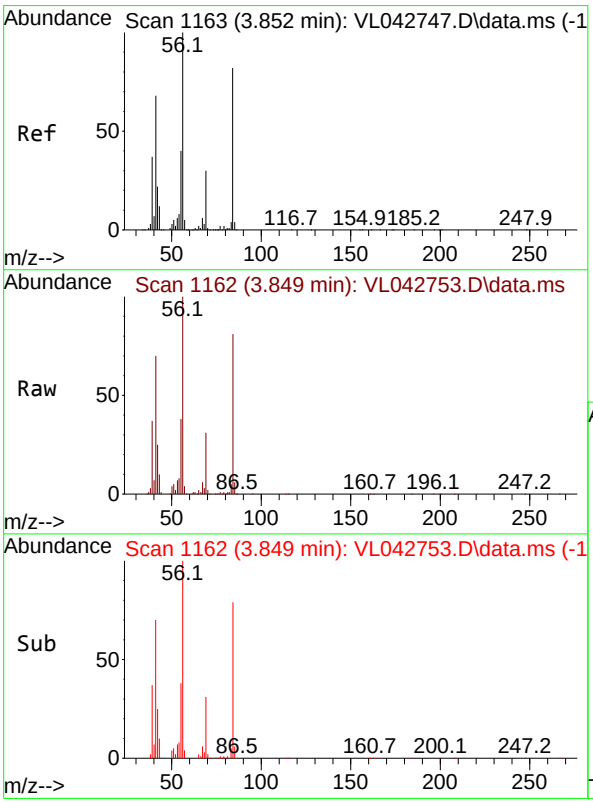
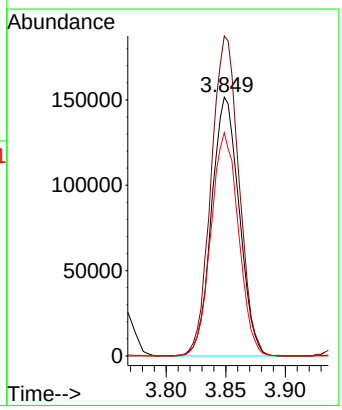
Supervised By :Mahesh Dadoda 07/24/2025

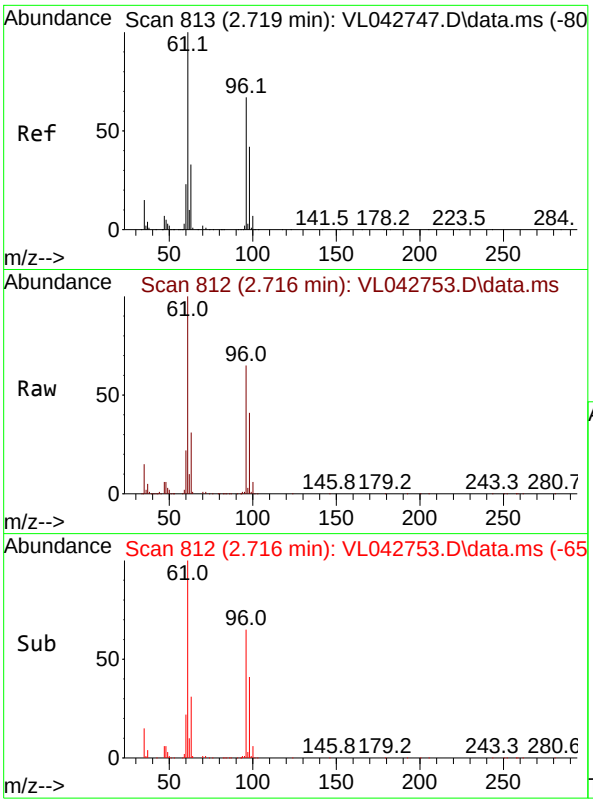


#30
Cyclohexane
Concen: 14.280 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 244116

Ion	Ratio	Lower	Upper
84	100		
56	124.4	97.5	146.3
41	85.9	67.2	100.8

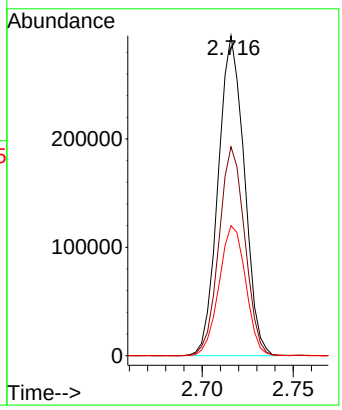




#31
cis-1,2-Dichloroethene
Concen: 14.192 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 61 Resp: 29394

Ion	Ratio	Lower	Upper
61	100		
96	65.3	53.5	80.3
98	40.7	33.6	50.4



Instrument :
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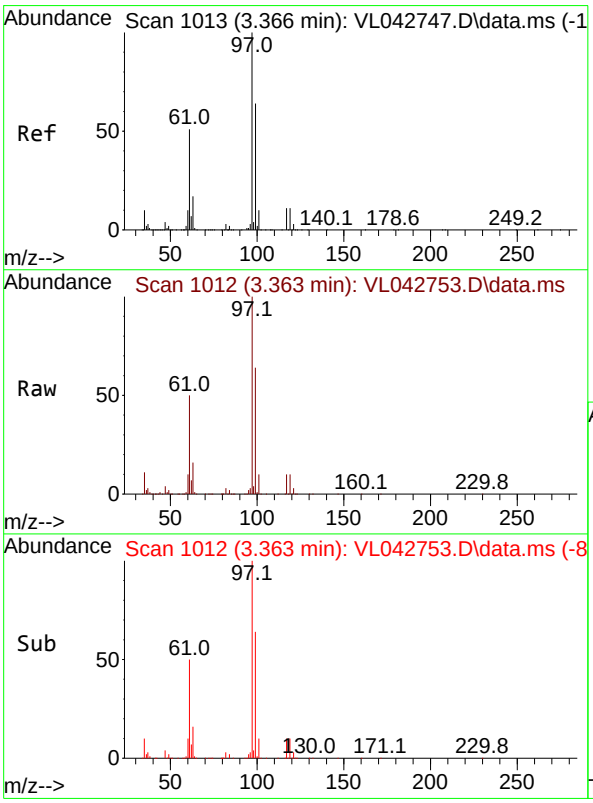
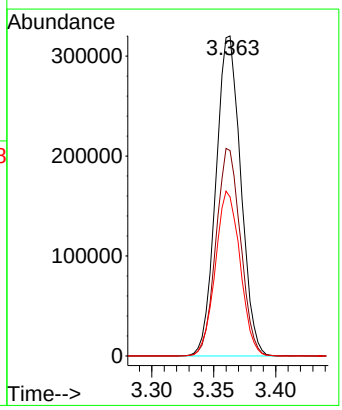
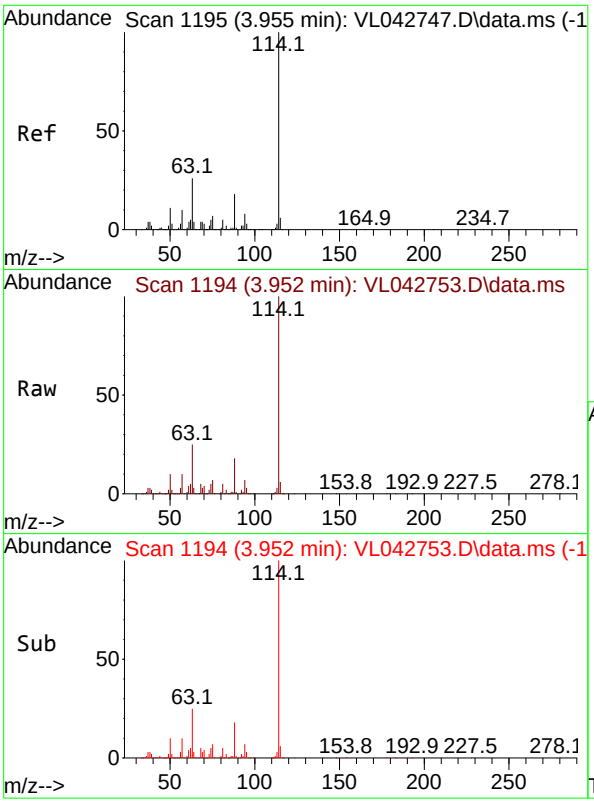


#32
1,1,1-Trichloroethane
Concen: 13.796 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 447592

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	51.5	40.9	61.3

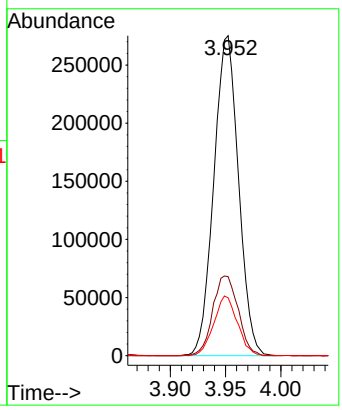




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:114 Resp: 42743

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	17.9	14.0	21.0



Instrument :
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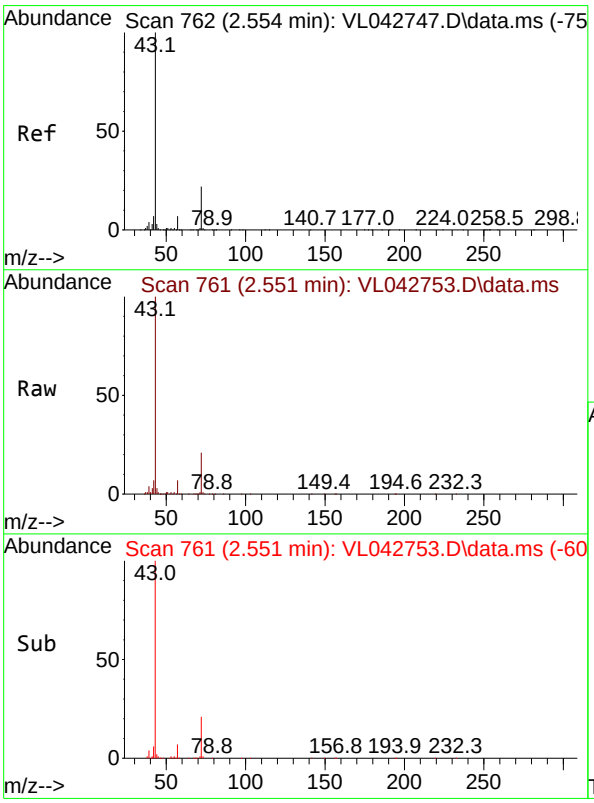
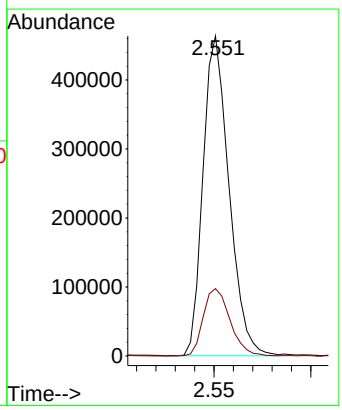
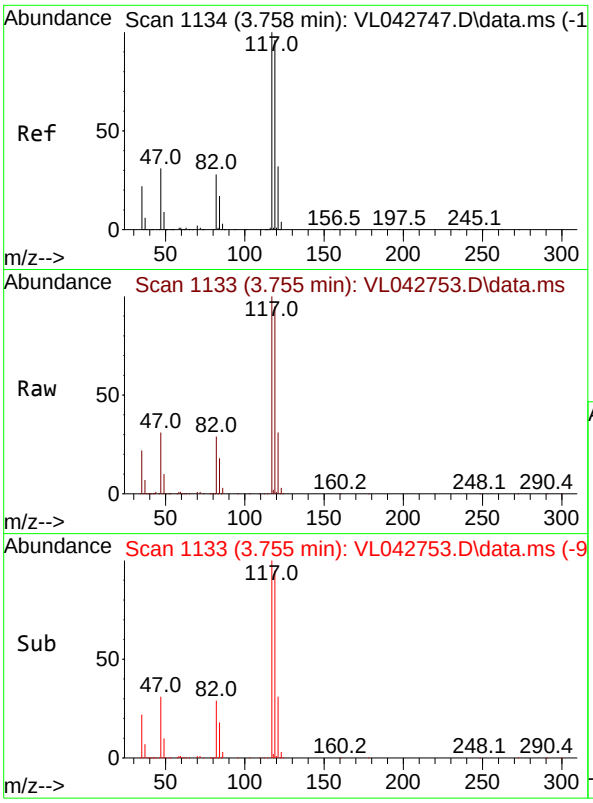


#34
2-Butanone
Concen: 14.297 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 432873

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0

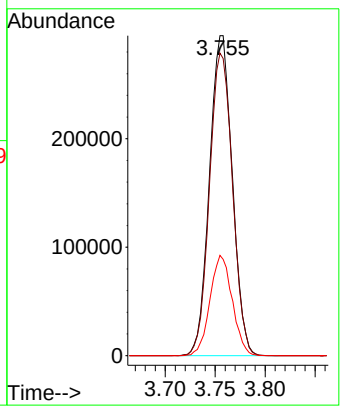




#35
Carbon Tetrachloride
Concen: 14.764 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:117 Resp: 46895

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.1	115.7
121	31.4	25.5	38.3



Instrument :
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ClientSampleId :
VSTDICC015

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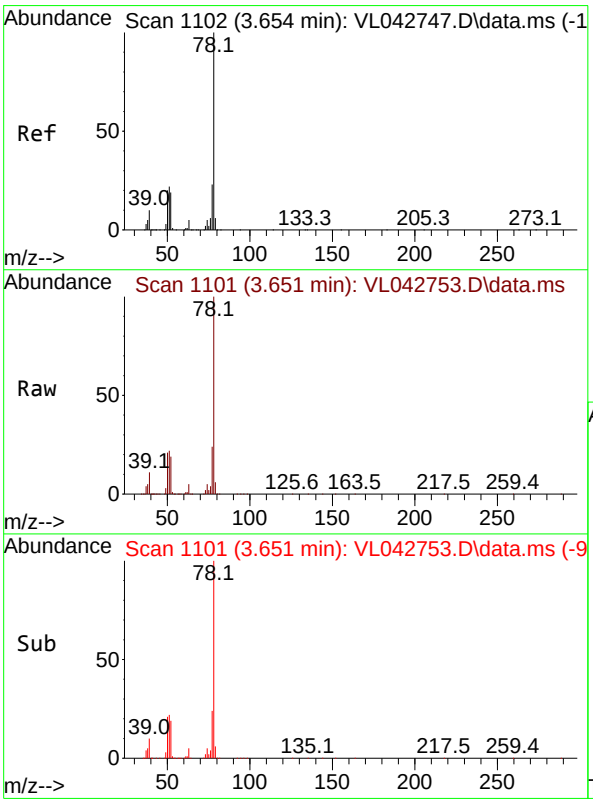
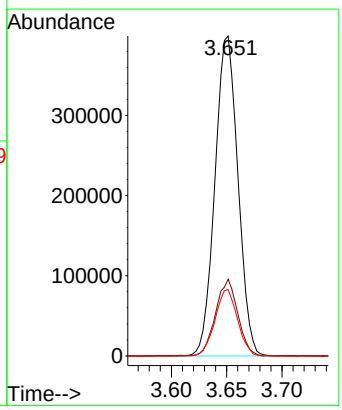
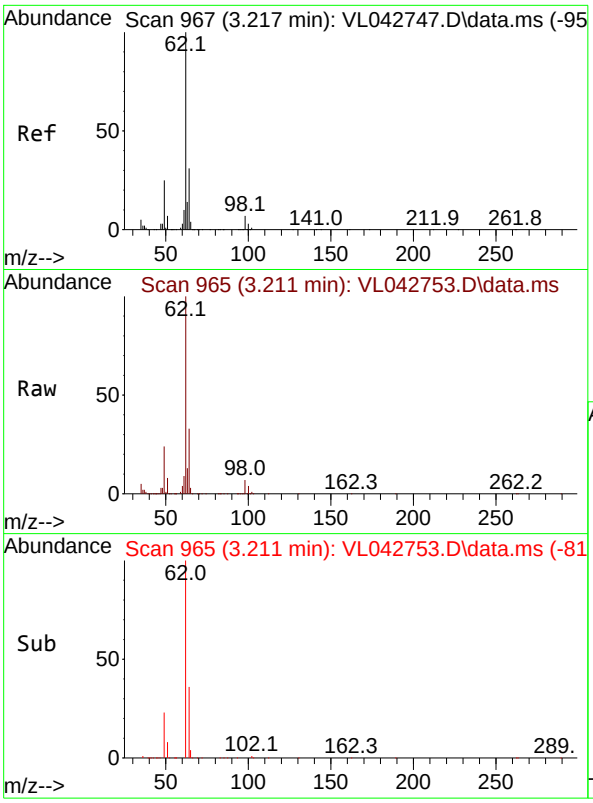


#36
Benzene
Concen: 14.247 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 78 Resp: 577153

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7
50	20.7	16.2	24.2





#37
1,2-Dichloroethane
Concen: 14.533 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 62 Resp: 35463

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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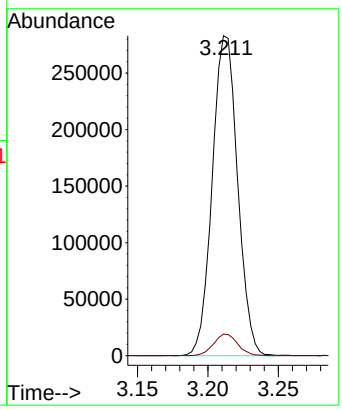
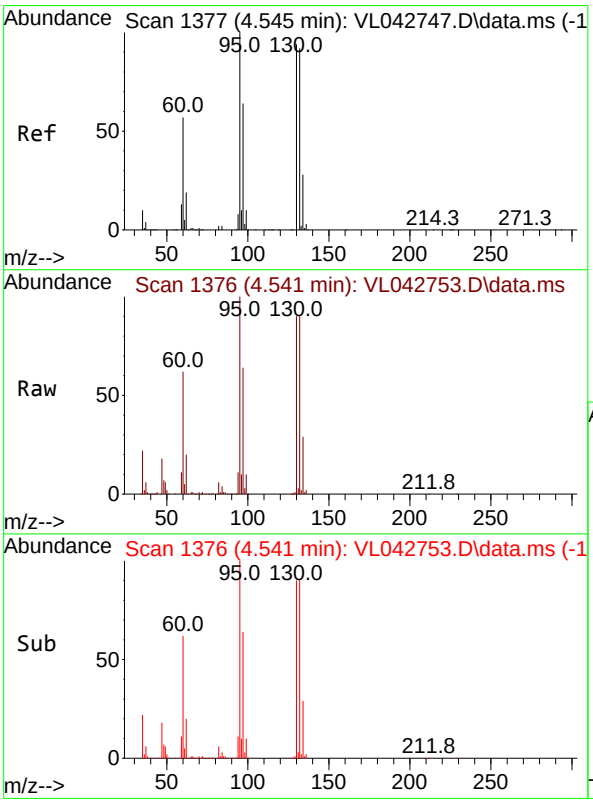
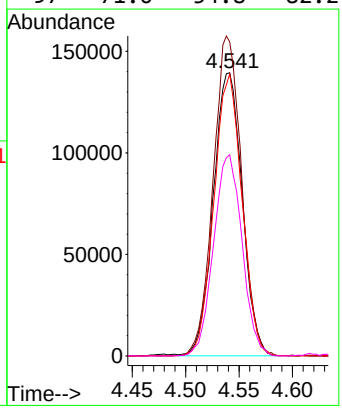


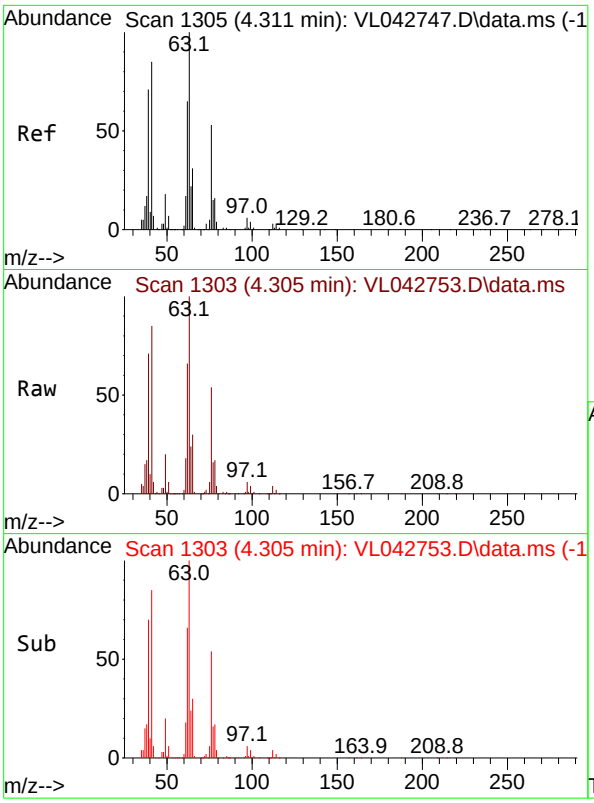


#38
Trichloroethene
Concen: 13.416 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:130 Resp: 262041

Ion	Ratio	Lower	Upper
130	100		
95	110.8	85.4	128.2
132	99.5	78.2	117.2
97	71.0	54.8	82.2

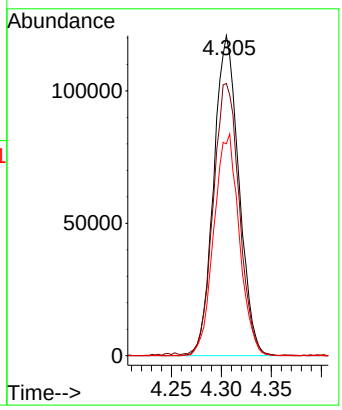




#39
1,2-Dichloropropane
Concen: 14.150 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 21159

Ion	Ratio	Lower	Upper
63	100		
41	85.0	68.2	102.4
62	66.2	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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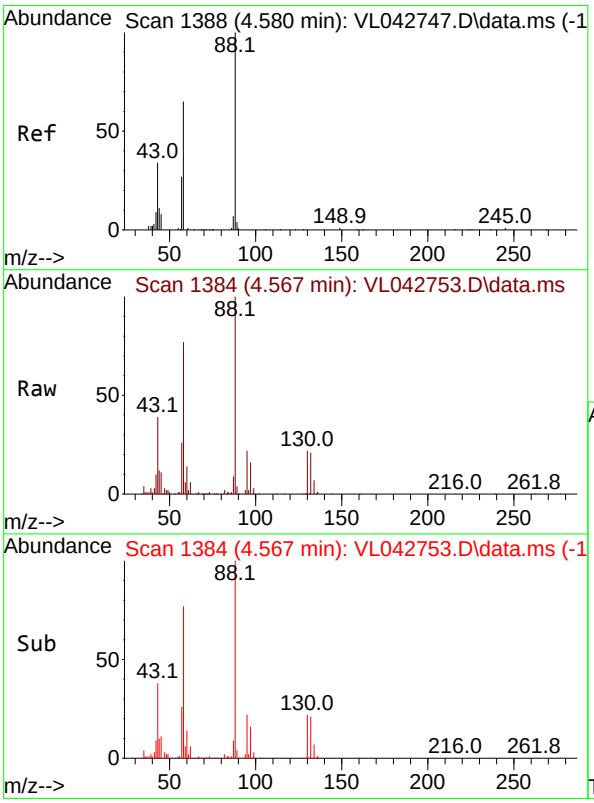
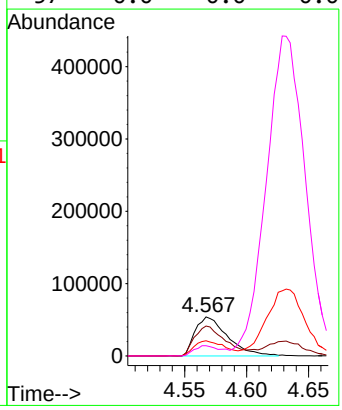
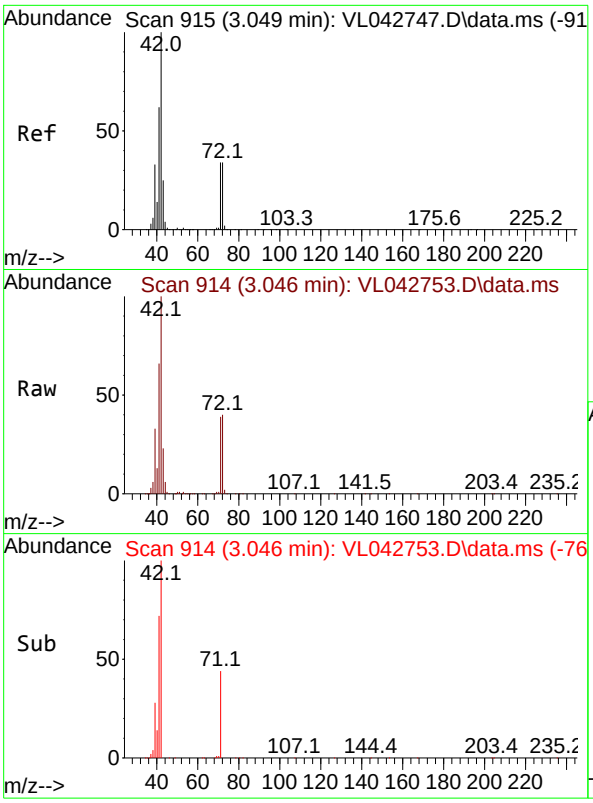


#40
1,4-Dioxane
Concen: 13.926 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 88 Resp: 98196

Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.8	88.2
43	35.8	28.9	43.3
57	0.0	0.0	0.0

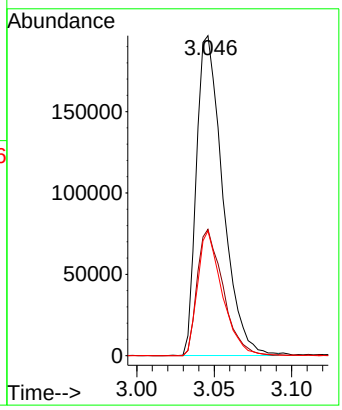




#41
Tetrahydrofuran
Concen: 15.278 ppbv
RT: 3.046 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 42 Resp: 23239

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.9	46.3
71	36.6	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
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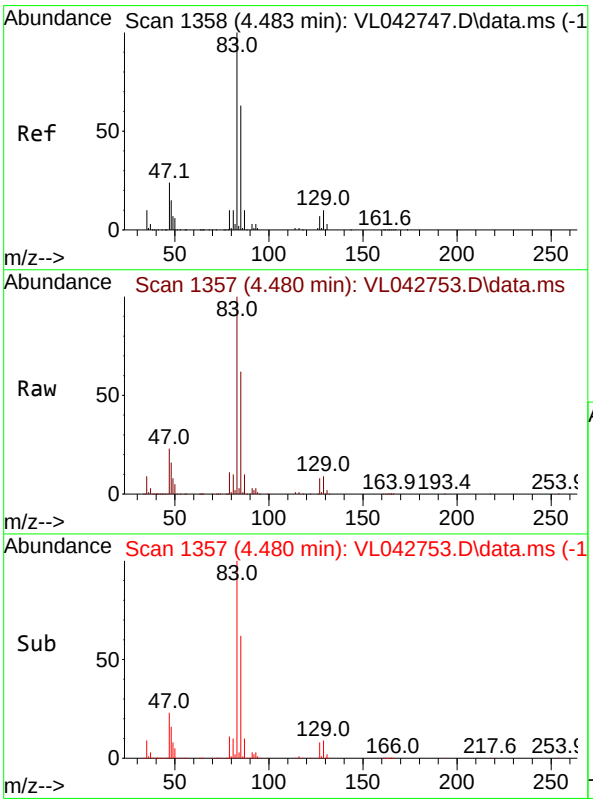
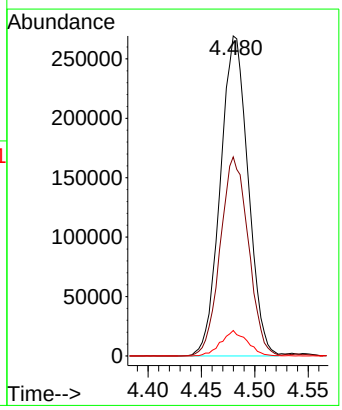
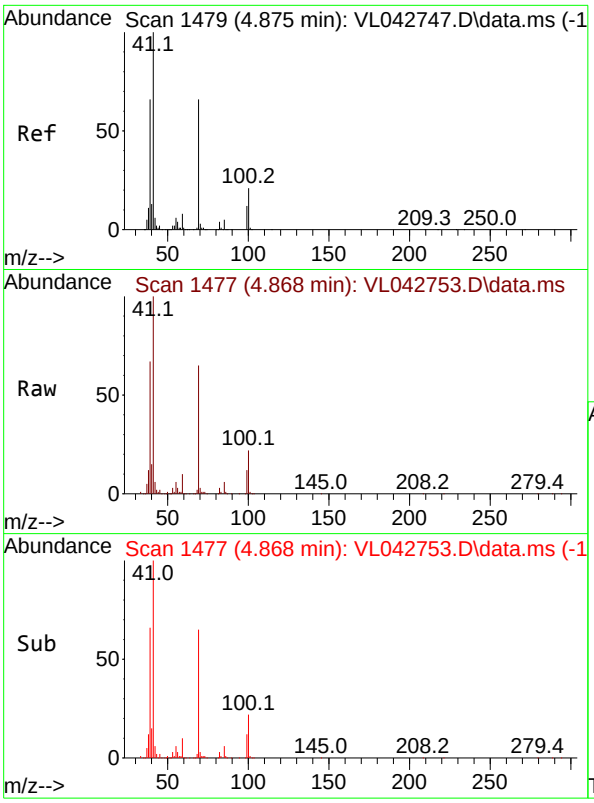


#42
Bromodichloromethane
Concen: 15.303 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 486831

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	8.0	5.4	8.2

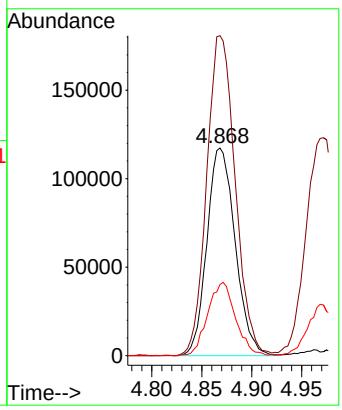




#43
Methyl Methacrylate
Concen: 16.059 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 69 Resp: 23122

Ion	Ratio	Lower	Upper
69	100		
41	155.0	125.7	188.5
100	34.8	28.6	42.8



Instrument :
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ClientSampleId :
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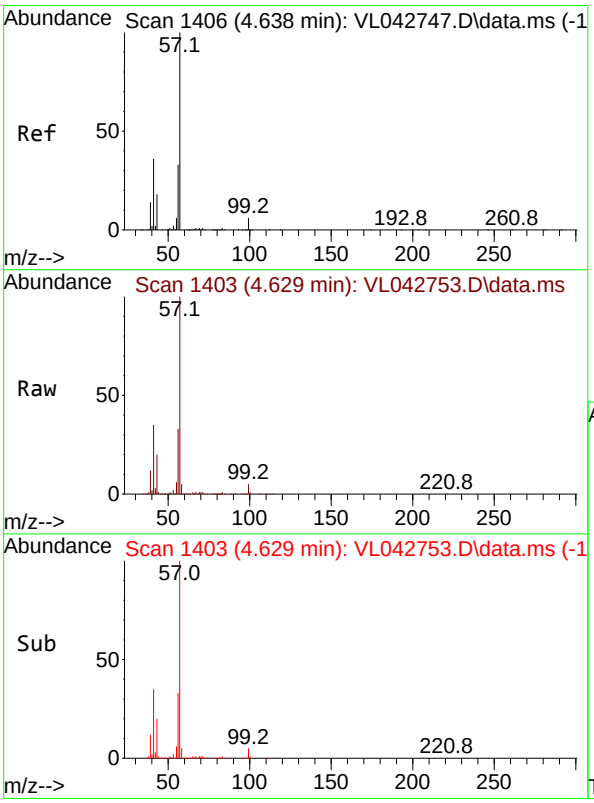
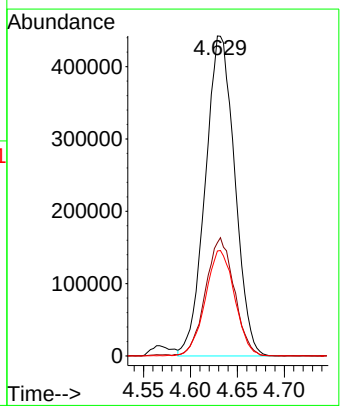
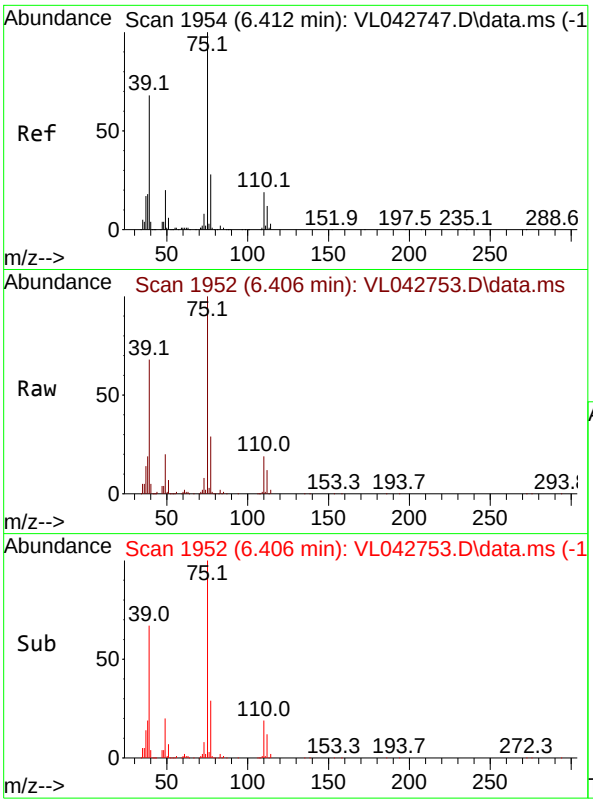


#44
2,2,4-Trimethylpentane
Concen: 14.598 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 963867

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.9	25.8	38.6

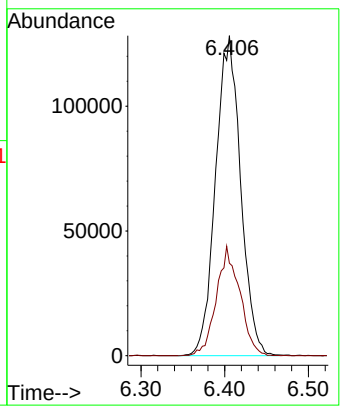




#45
t-1,3-Dichloropropene
Concen: 16.478 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 26619

Ion	Ratio	Lower	Upper
75	100		
77	28.9	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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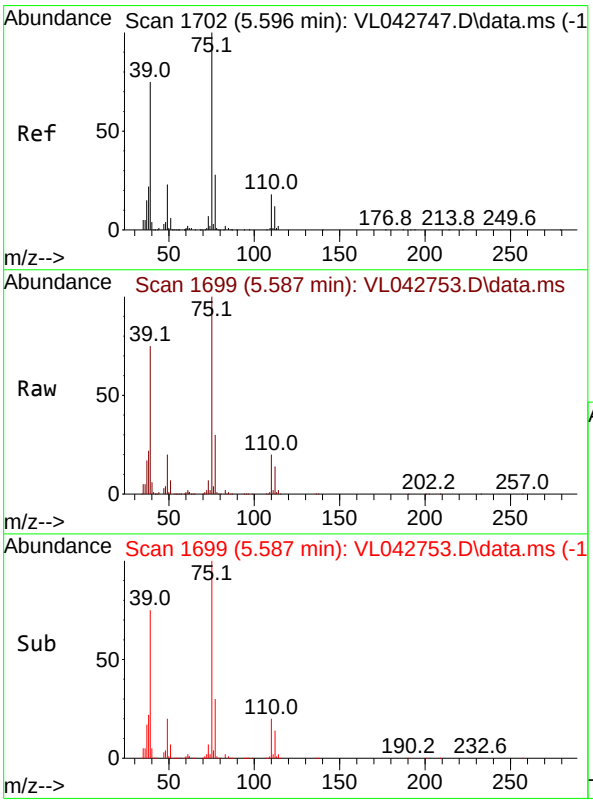
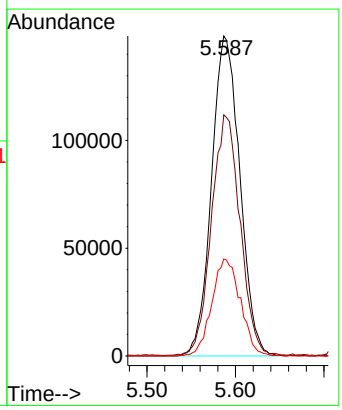
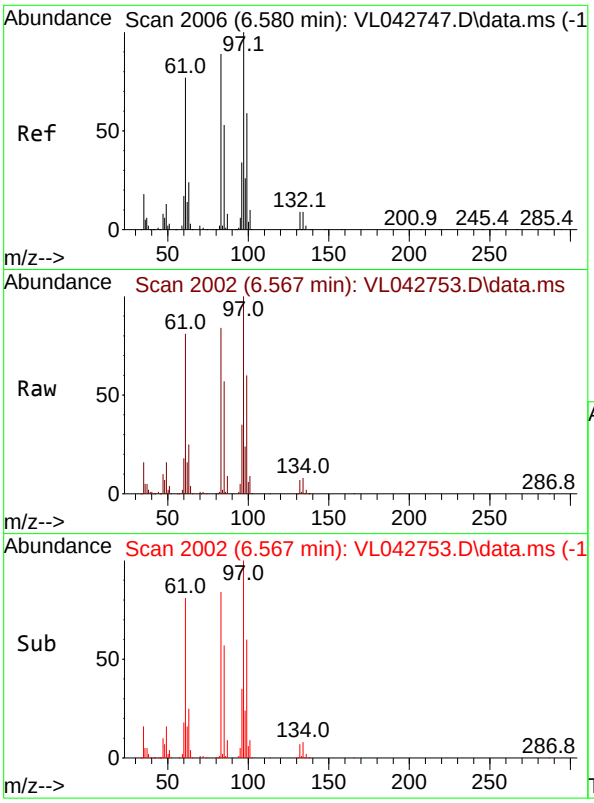


#46
cis-1,3-Dichloropropene
Concen: 16.115 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 329850

Ion	Ratio	Lower	Upper
75	100		
39	74.8	60.2	90.2
77	30.2	22.6	34.0

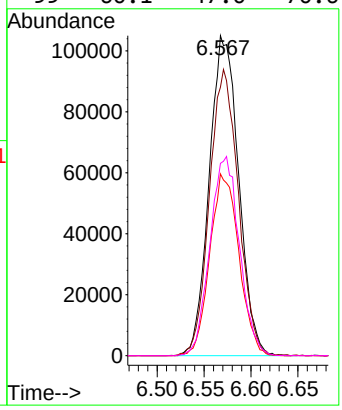




#47
1,1,2-Trichloroethane
Concen: 14.335 ppbv
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 22849

Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.1	106.7
85	56.7	43.0	64.4
99	60.1	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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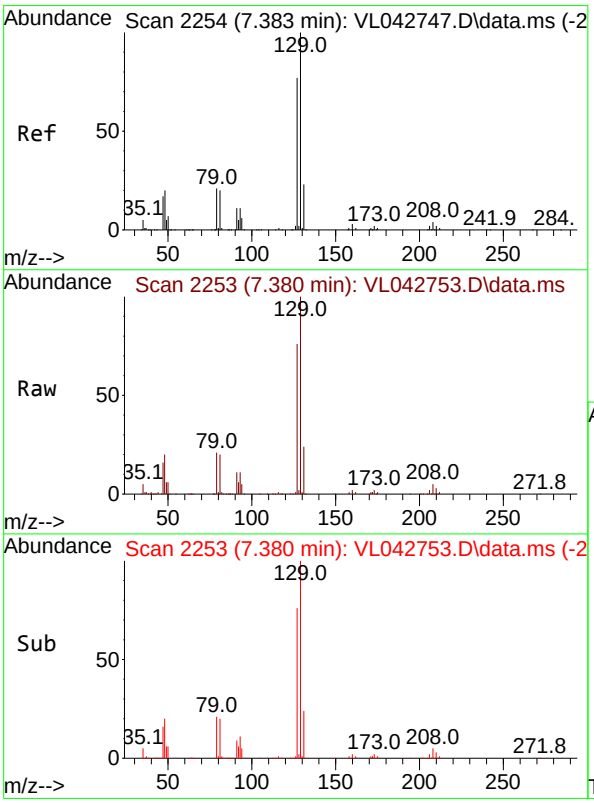
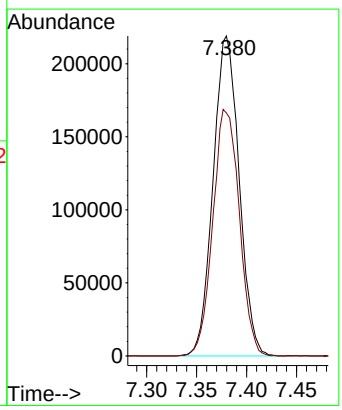
Supervised By :Mahesh Dadoda 07/24/2025

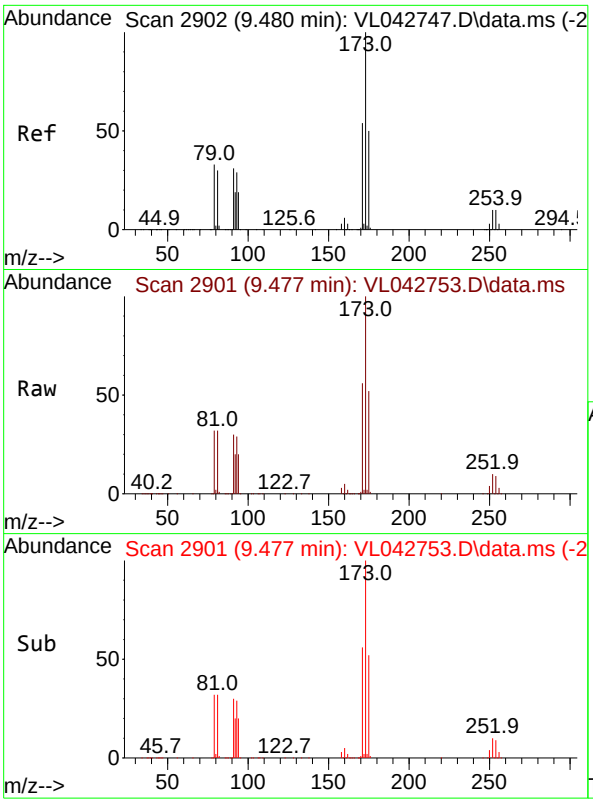


#48
Dibromochloromethane
Concen: 15.695 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:129 Resp: 397179

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.7	116.1

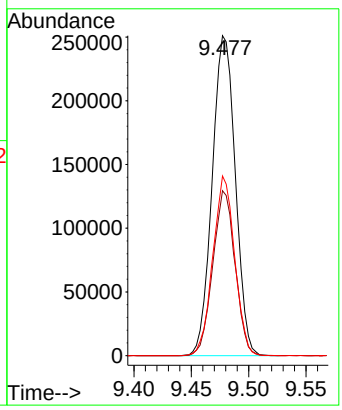




#49
Bromoform
Concen: 15.955 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:173 Resp: 35205

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.4	57.6
171	53.1	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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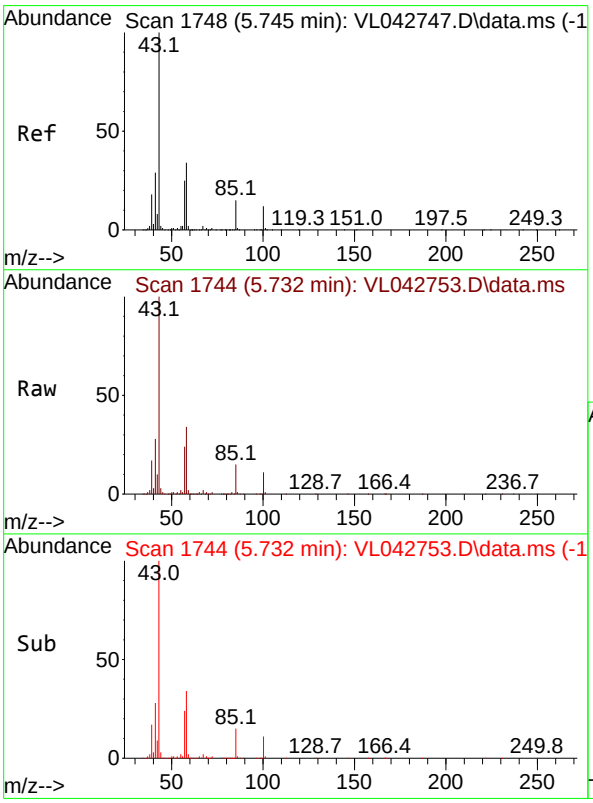
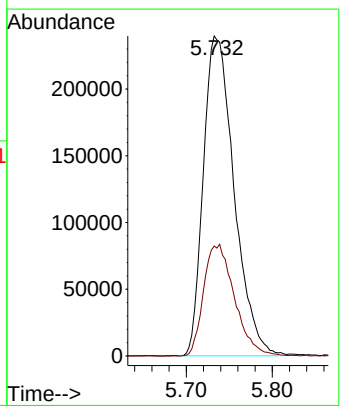
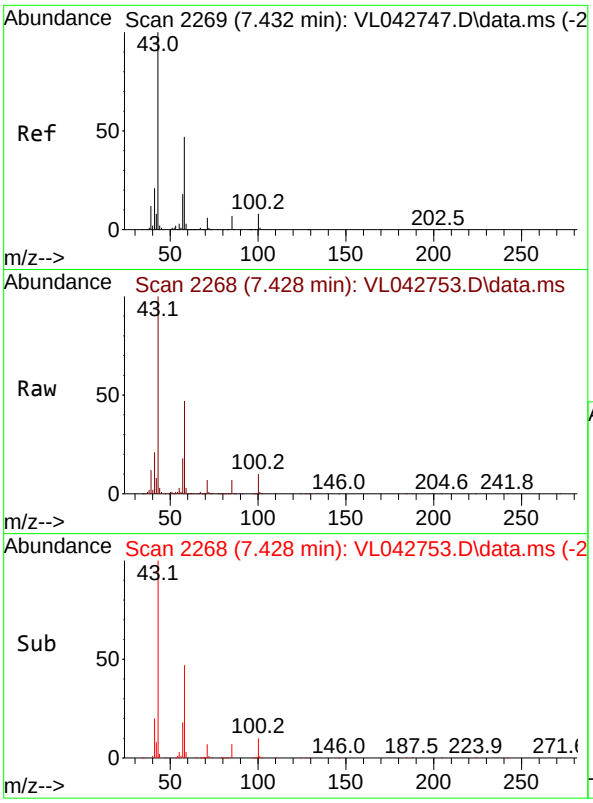


#50
4-Methyl-2-Pentanone
Concen: 15.427 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 594973

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.8





#51
2-Hexanone
Concen: 16.467 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 48532

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.0	57.0
98	0.4	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
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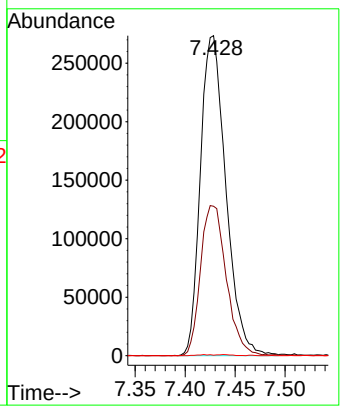
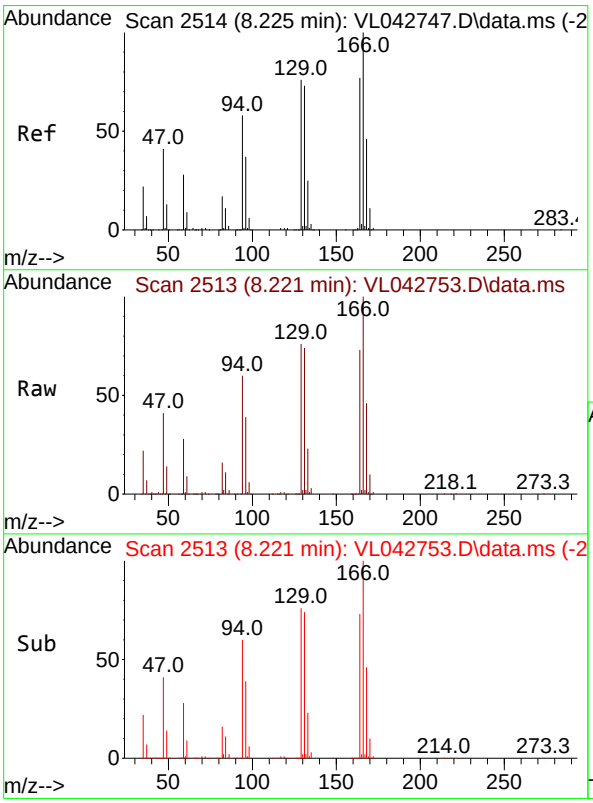
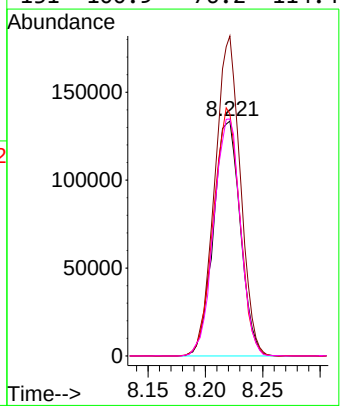


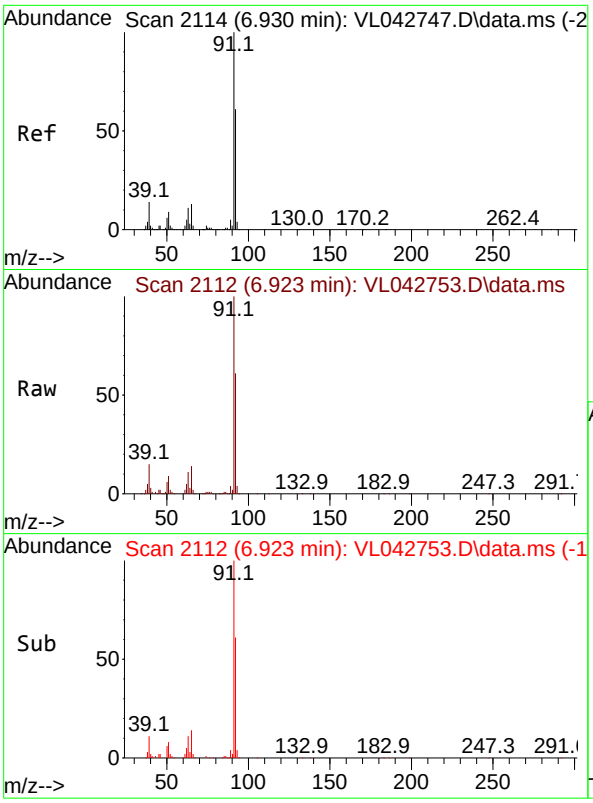


#52
Tetrachloroethene
Concen: 12.899 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:164 Resp: 217184

Ion	Ratio	Lower	Upper
164	100		
166	136.3	104.0	156.0
129	103.1	79.2	118.8
131	100.9	76.2	114.4

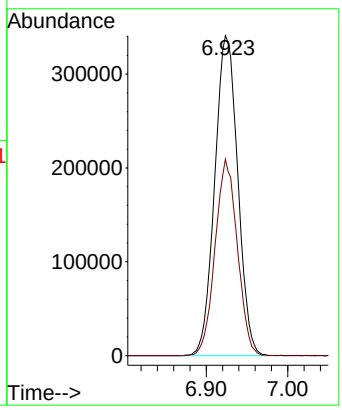




#53
Toluene
Concen: 15.405 ppbv
RT: 6.923 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 67014

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0



Instrument :
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ClientSampleId :
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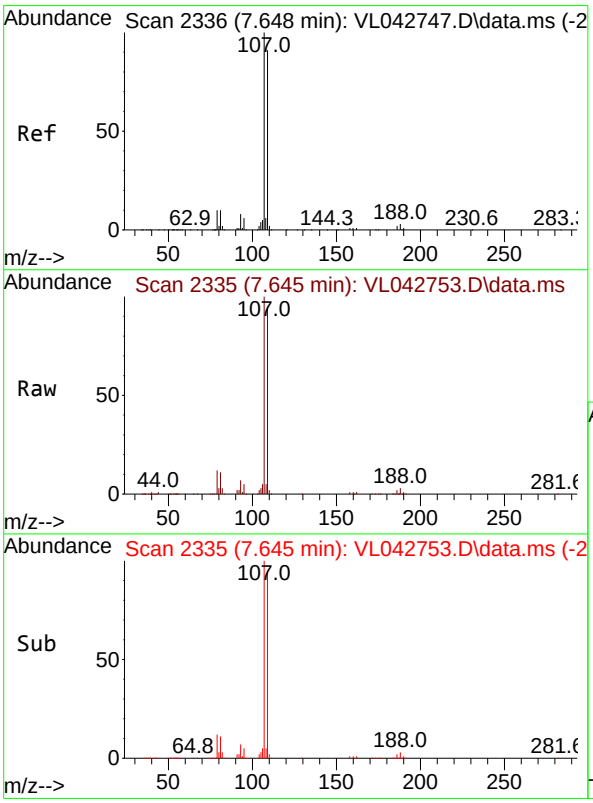
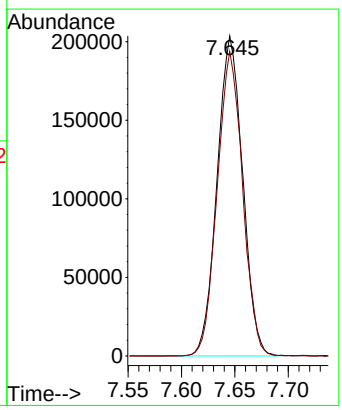
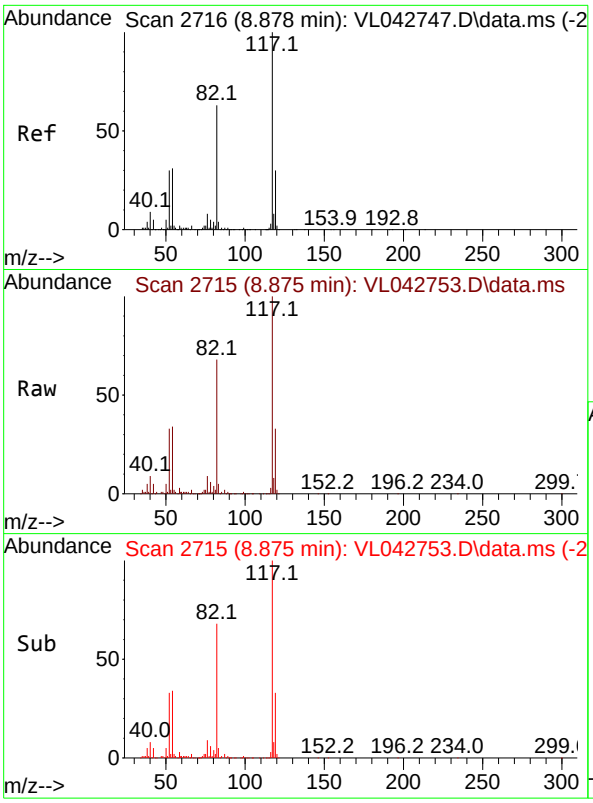


#54
1,2-Dibromoethane
Concen: 15.019 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:107 Resp: 338867

Ion	Ratio	Lower	Upper
107	100		
109	95.1	72.7	109.1

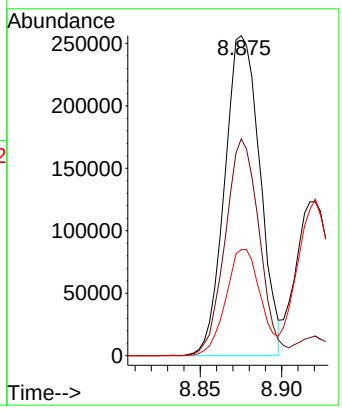




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:117 Resp: 38522

Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.3	79.9
119	32.3	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
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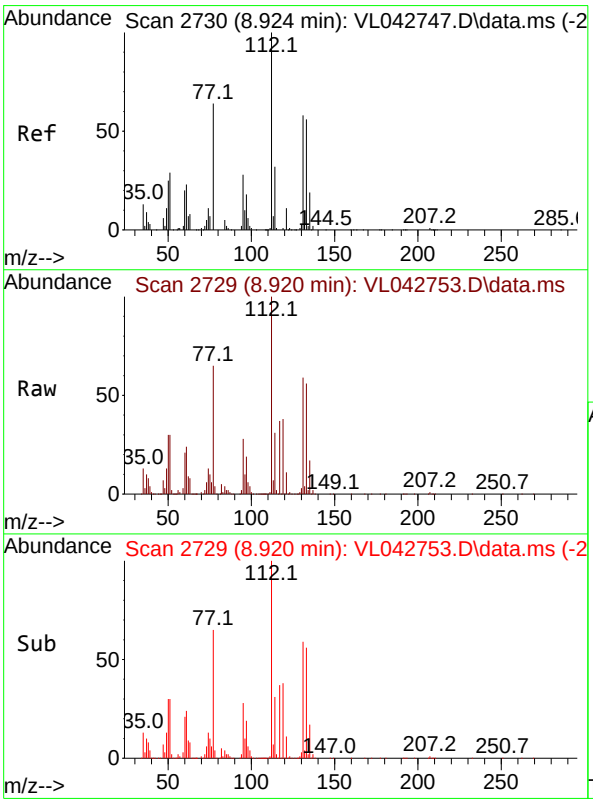
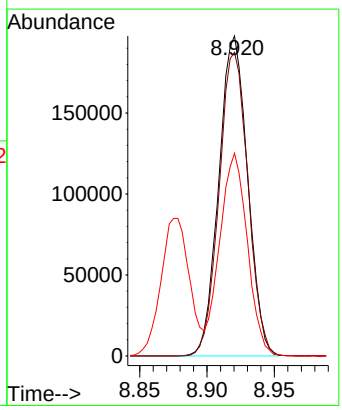
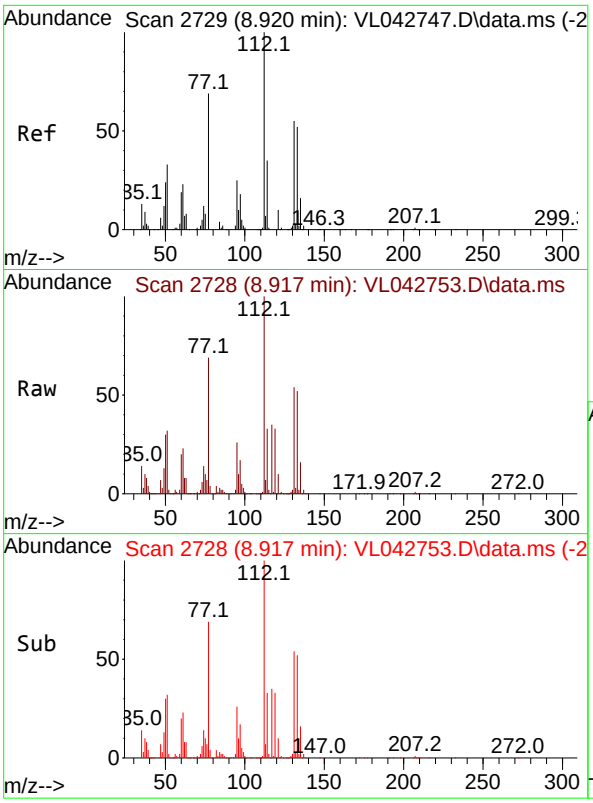


#56
1,1,1,2-Tetrachloroethane
Concen: 14.648 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:131 Resp: 293384

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.8	115.2
119	60.7	49.7	74.5

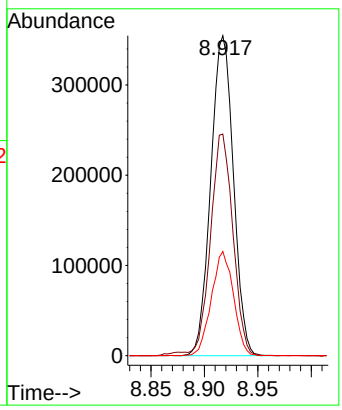




#57
Chlorobenzene
Concen: 14.025 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:112 Resp: 52289

Ion	Ratio	Lower	Upper
112	100		
77	69.2	56.4	84.6
114	32.6	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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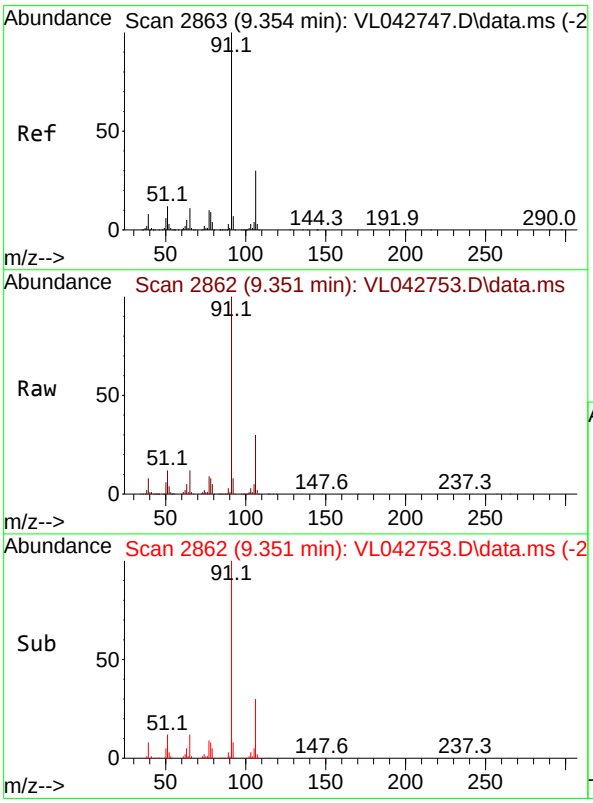
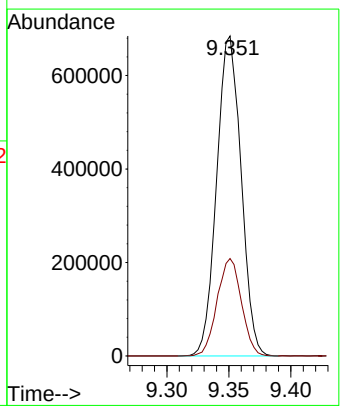
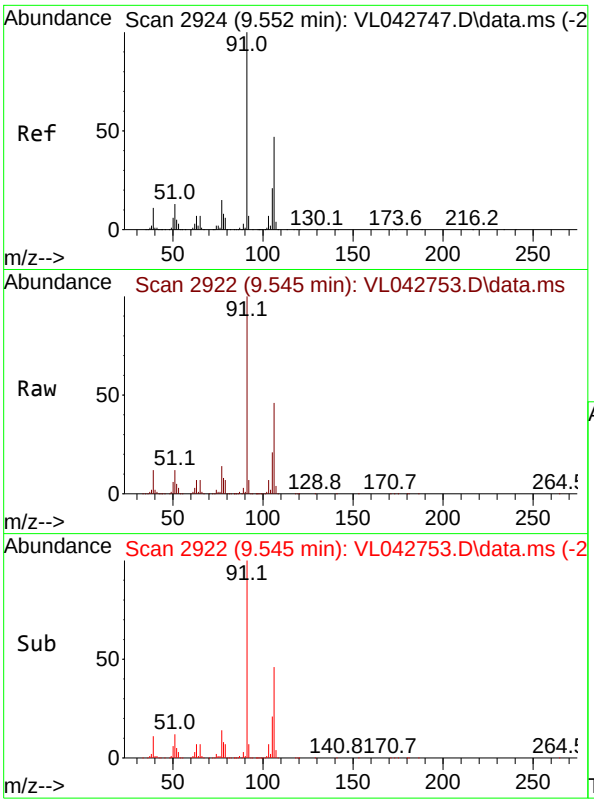


#58
Ethyl Benzene
Concen: 15.454 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 940159

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6

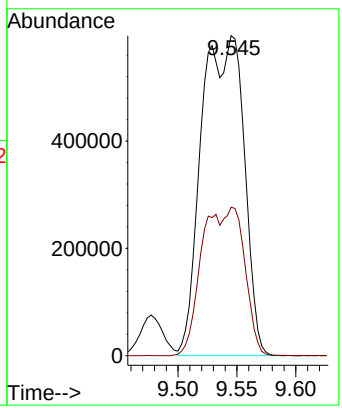




#59
m/p-Xylene
Concen: 30.800 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 149793

Ion	Ratio	Lower	Upper
91	100		
106	46.6	37.4	56.2



Instrument :
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ClientSampleId :
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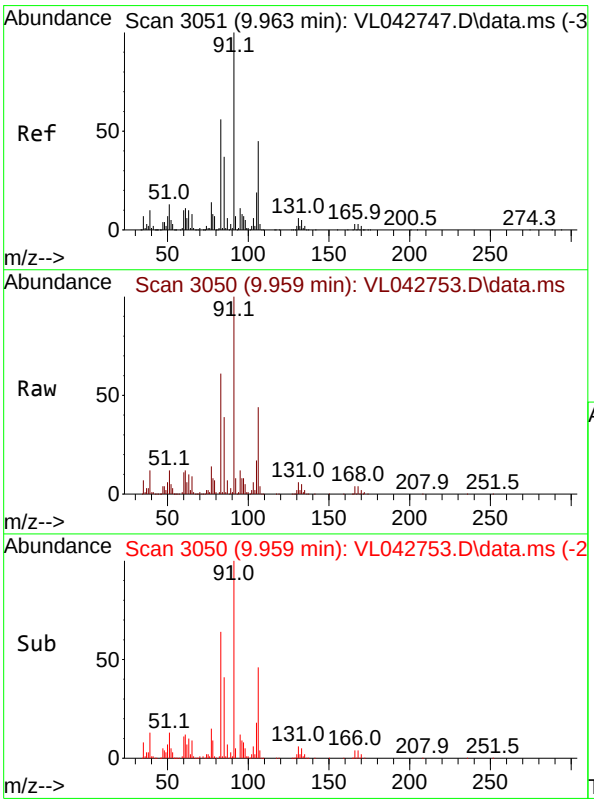
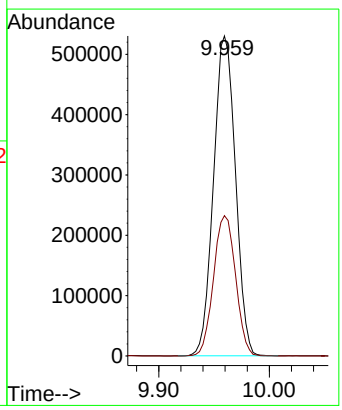
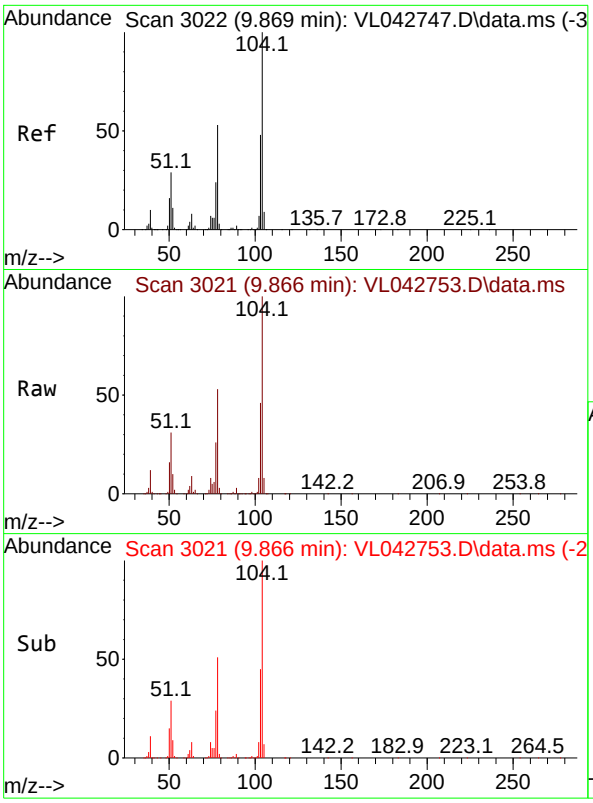


#60
o-Xylene
Concen: 15.030 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 730161

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.0	66.0

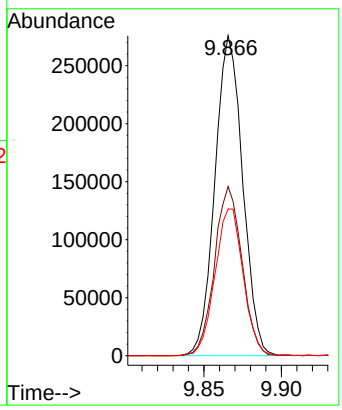




#61
Styrene
Concen: 16.805 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:104 Resp: 34342

Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.5	62.3
103	46.9	37.5	56.3



Instrument :
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ClientSampleId :
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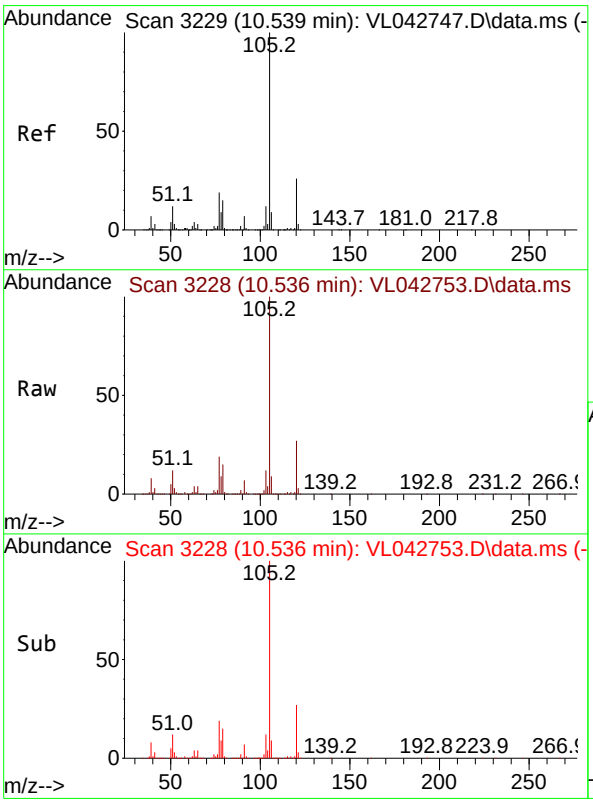
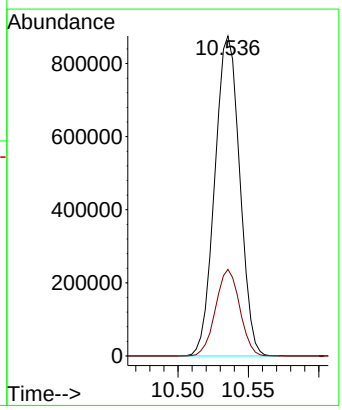
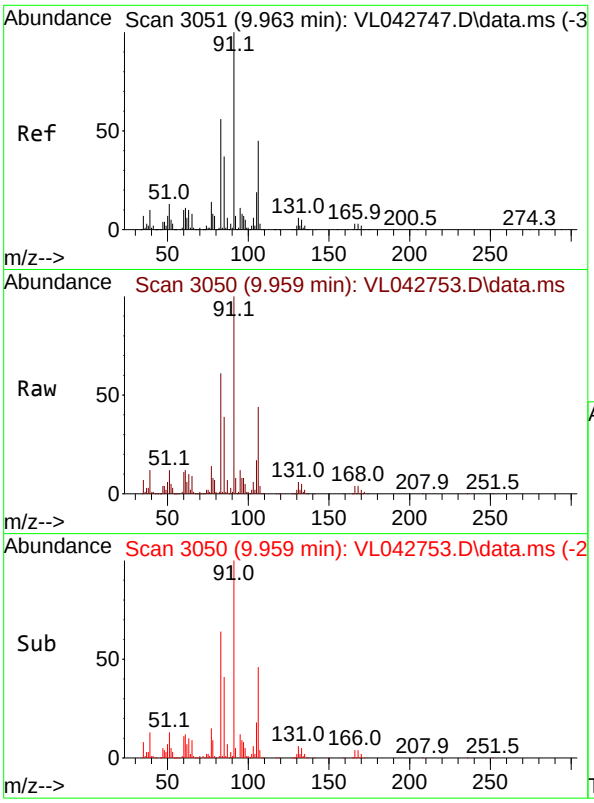


#62
Isopropylbenzene
Concen: 15.049 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 1078393

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.5	30.7

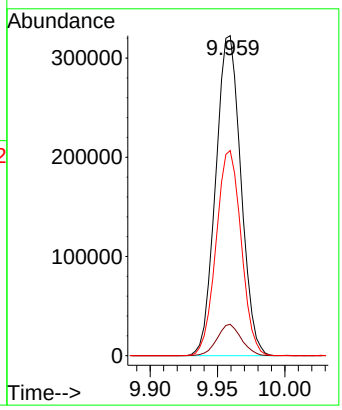




#63
1,1,2,2-Tetrachloroethane
Concen: 13.261 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 41973

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.8	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
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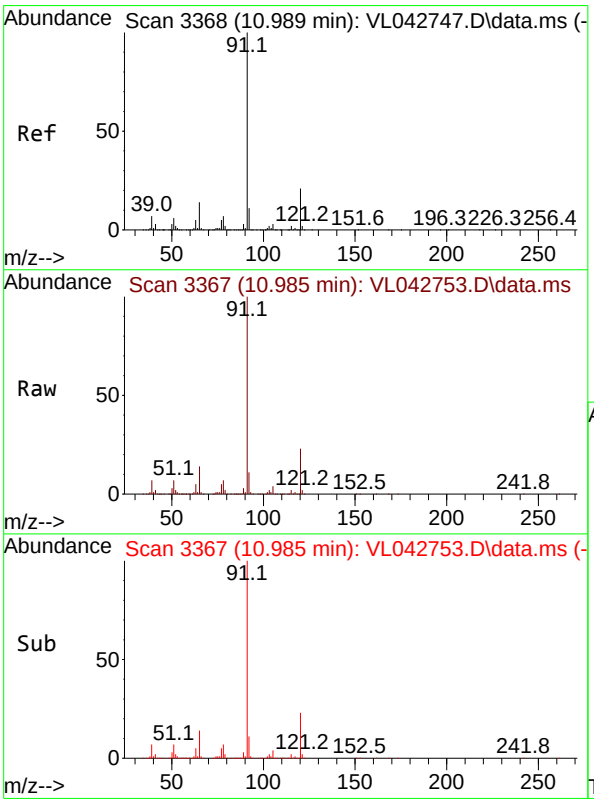
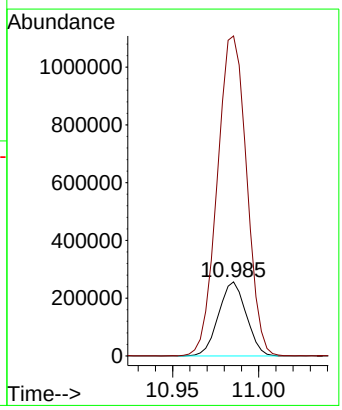
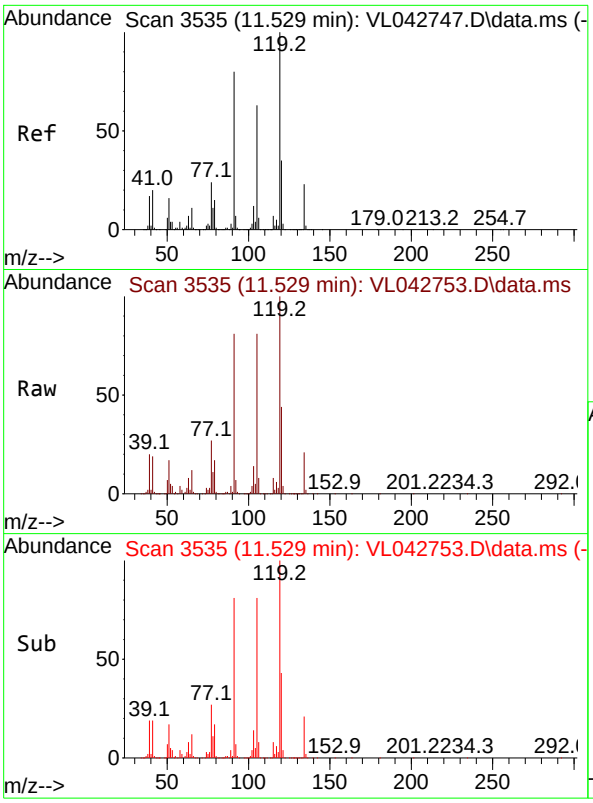


#64
n-propylbenzene
Concen: 15.348 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:120 Resp: 286724

Ion	Ratio	Lower	Upper
120	100		
91	458.1	372.7	559.1

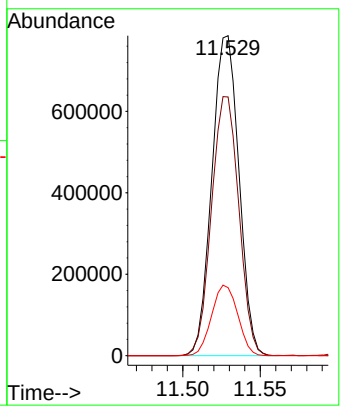




#65
tert-Butylbenzene
Concen: 14.995 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:119 Resp: 95445

Ion	Ratio	Lower	Upper
119	100		
91	81.9	64.0	96.0
134	21.4	17.3	25.9



Instrument :
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ClientSampleId :
VSTDICC015

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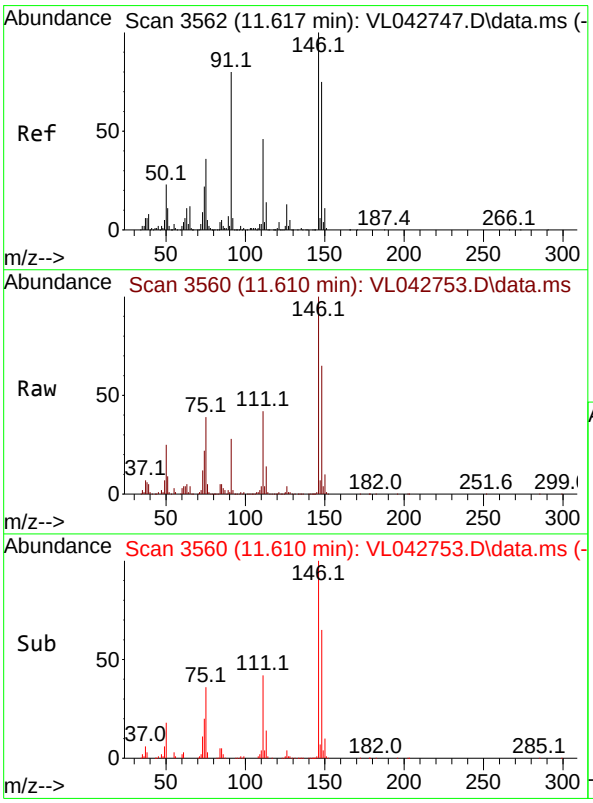
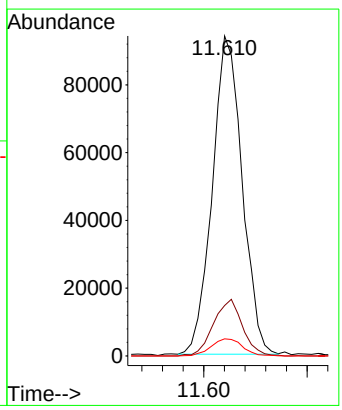
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

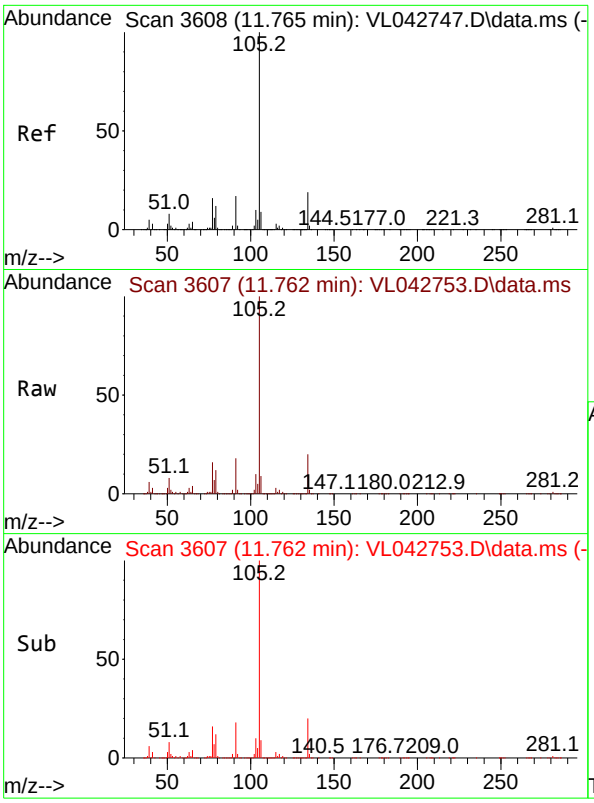


#66
Benzyl Chloride
Concen: 18.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 94218

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.7	5.2	7.8





#67
sec-Butylbenzene
Concen: 14.662 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 132739

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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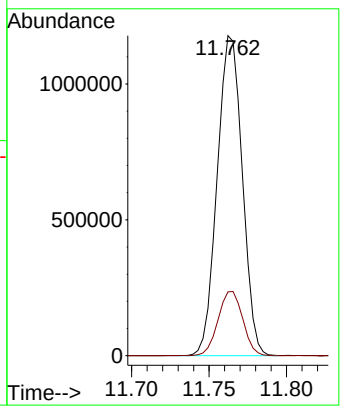
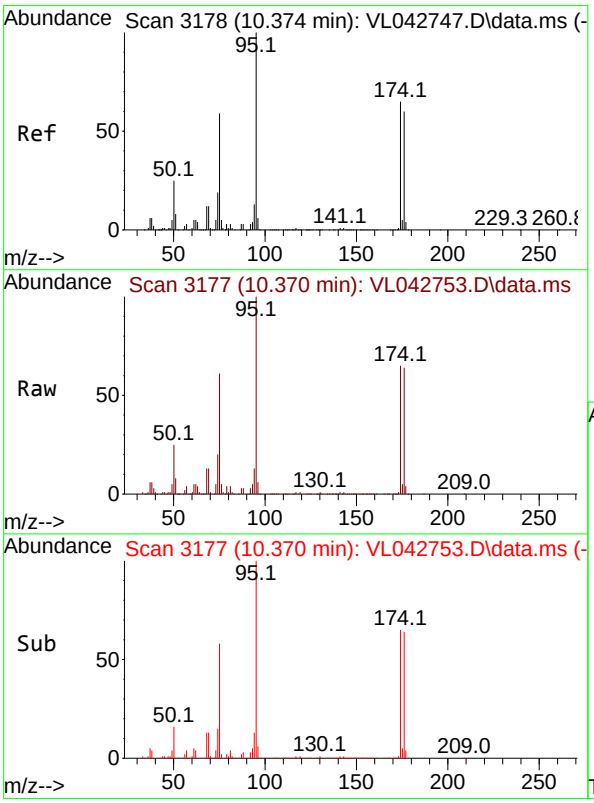
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

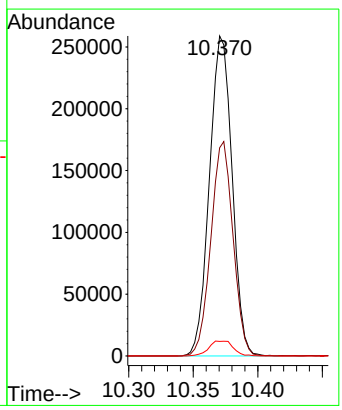


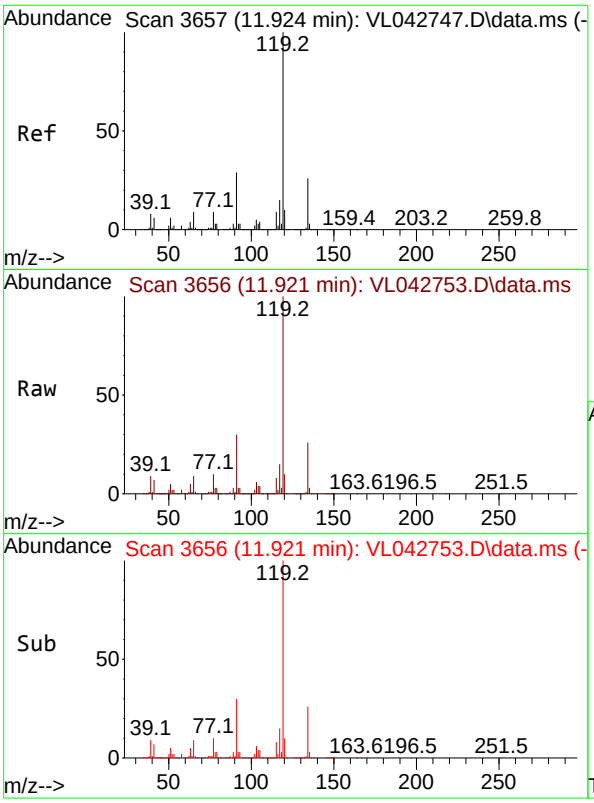


#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 95 Resp: 315293

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.8	80.6
175	5.0	4.0	6.0

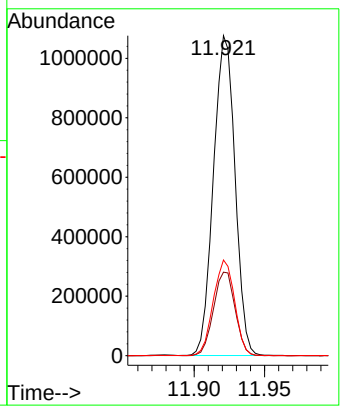




#69
p-Isopropyltoluene
Concen: 15.571 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:119 Resp: 114941

Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.6	31.0
91	29.6	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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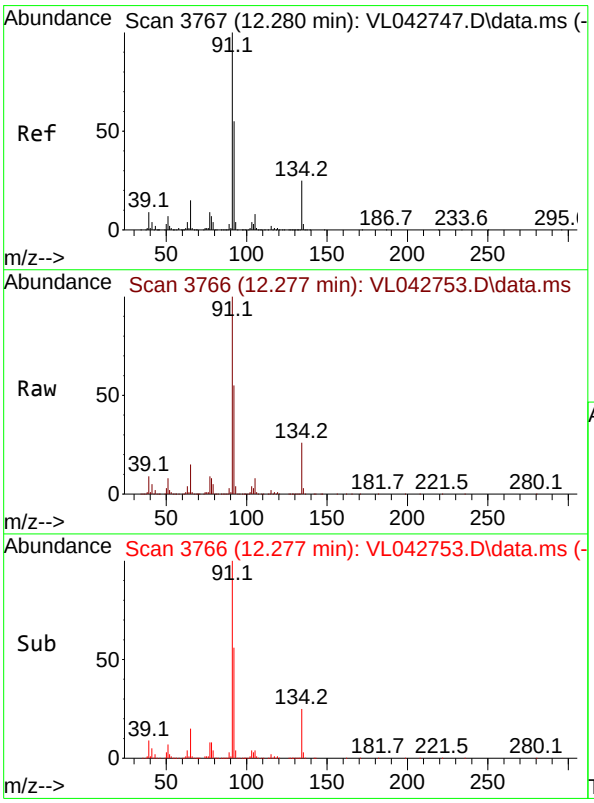
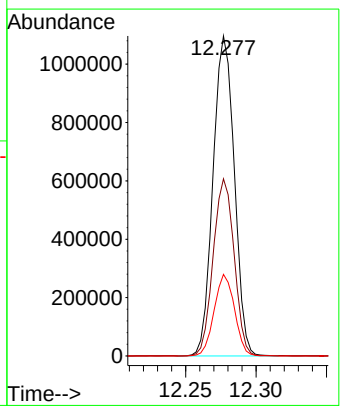
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

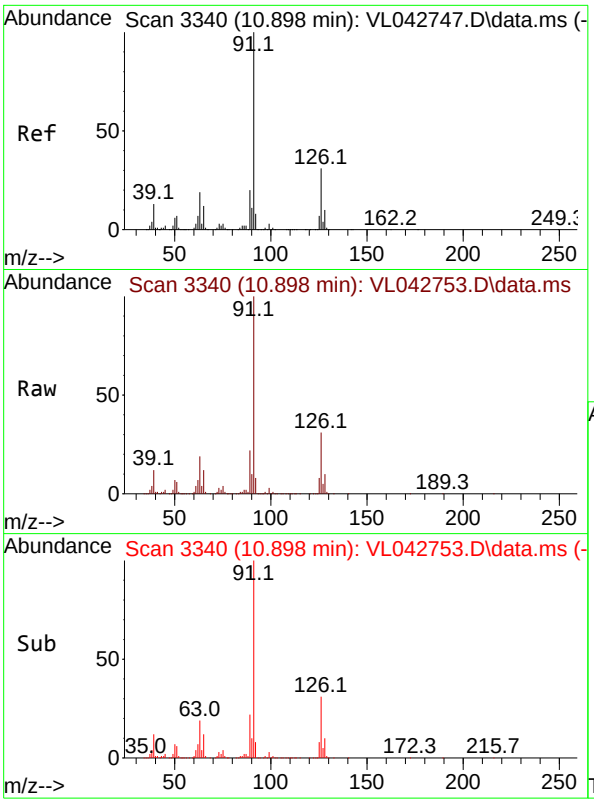


#70
n-Butylbenzene
Concen: 16.159 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 1152207

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.4	65.2
134	24.5	19.6	29.4

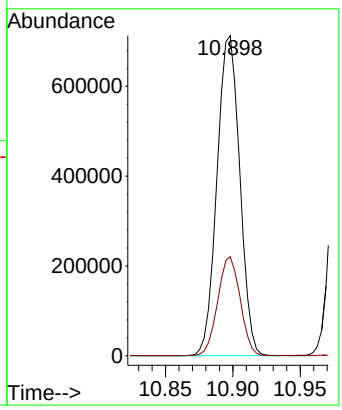




#71
2-Chlorotoluene
Concen: 15.257 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 83833

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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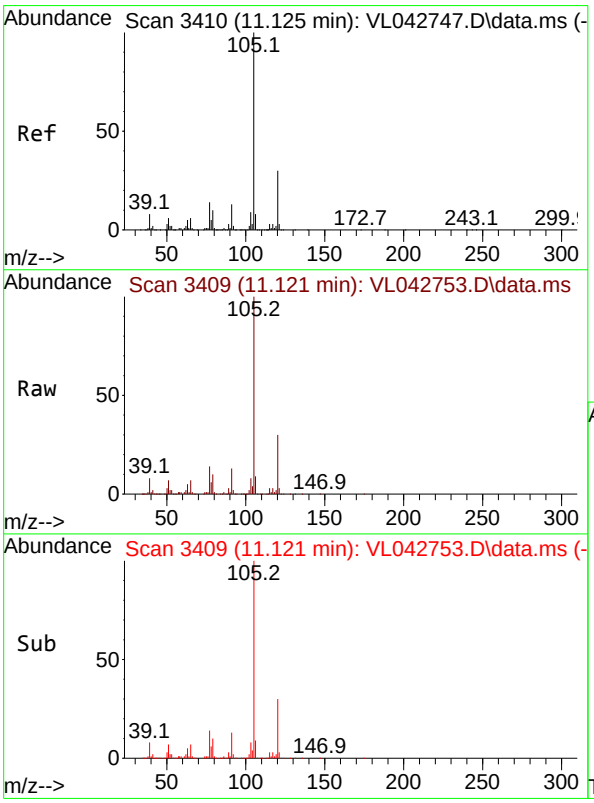
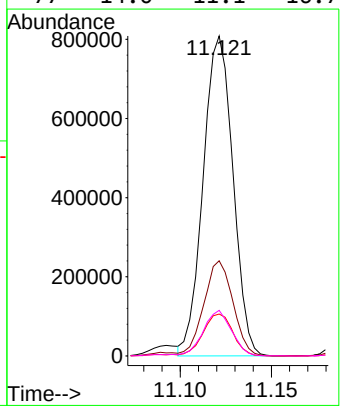
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

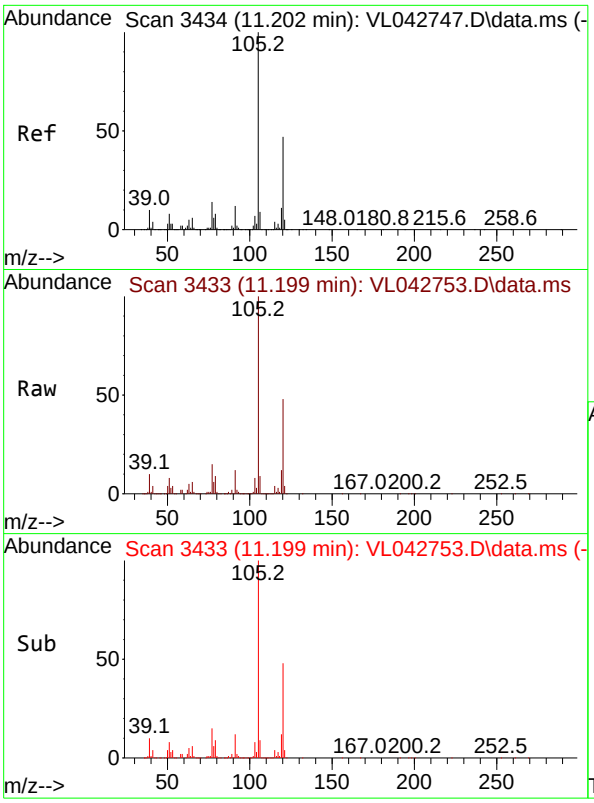


#72
4-Ethyltoluene
Concen: 15.830 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 918453

Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.4	36.6
91	13.5	10.6	15.8
77	14.0	11.1	16.7

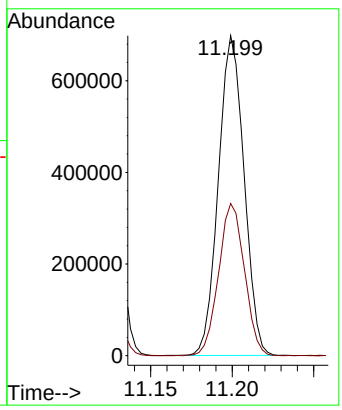




#73
1,3,5-Trimethylbenzene
Concen: 15.977 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 76321

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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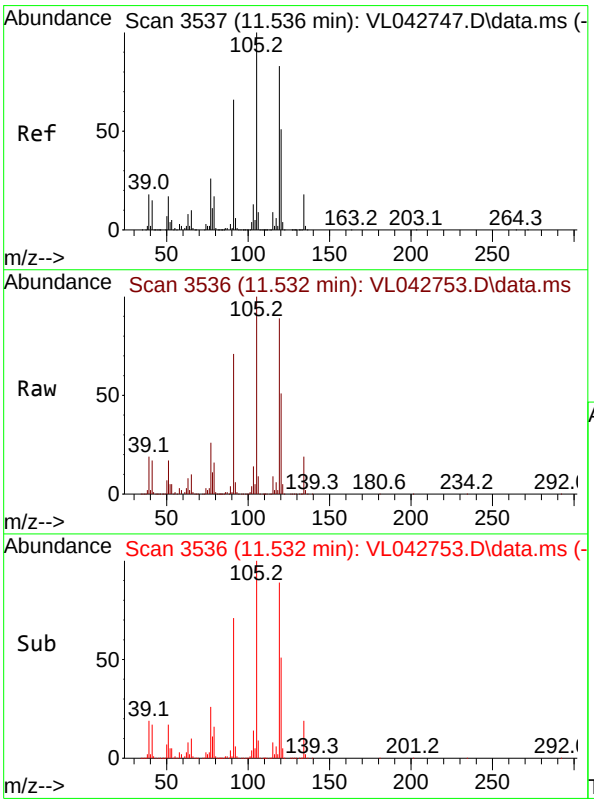
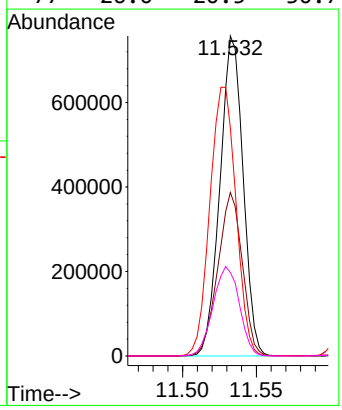
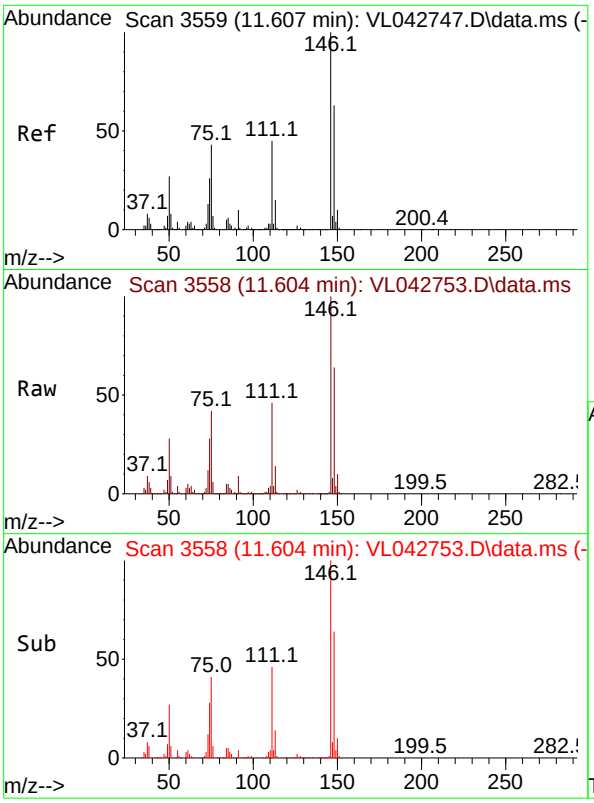


#74
1,2,4-Trimethylbenzene
Concen: 15.873 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 827222

Ion	Ratio	Lower	Upper
105	100		
120	51.1	40.8	61.2
91	71.2	53.0	79.4
77	26.0	20.5	30.7

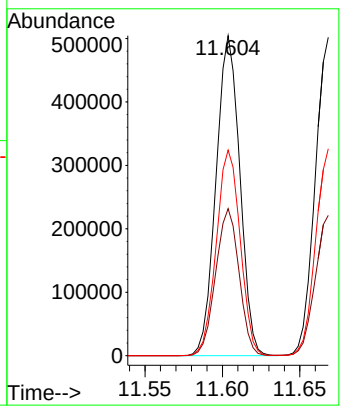




#75
1,3-Dichlorobenzene
Concen: 14.761 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 53928

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	64.6	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
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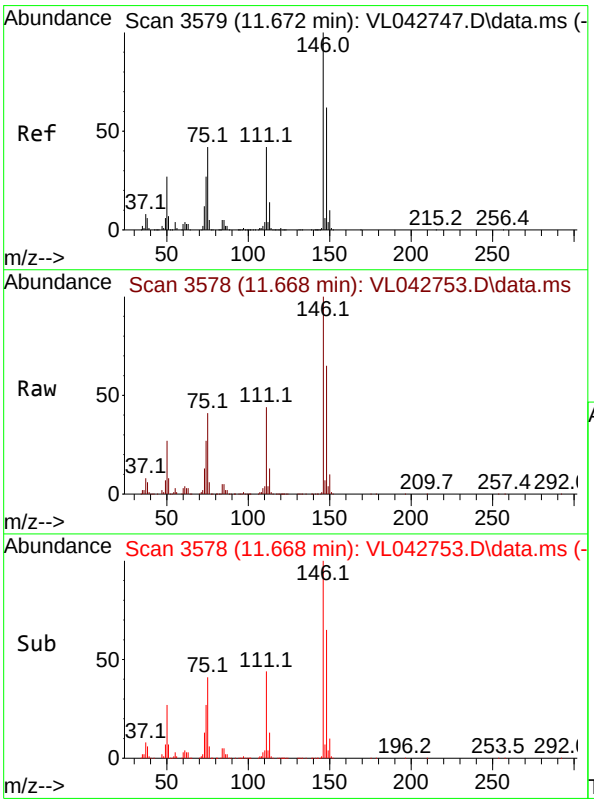
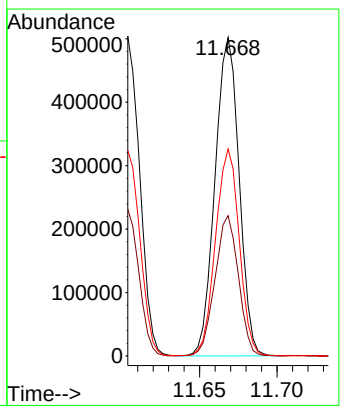
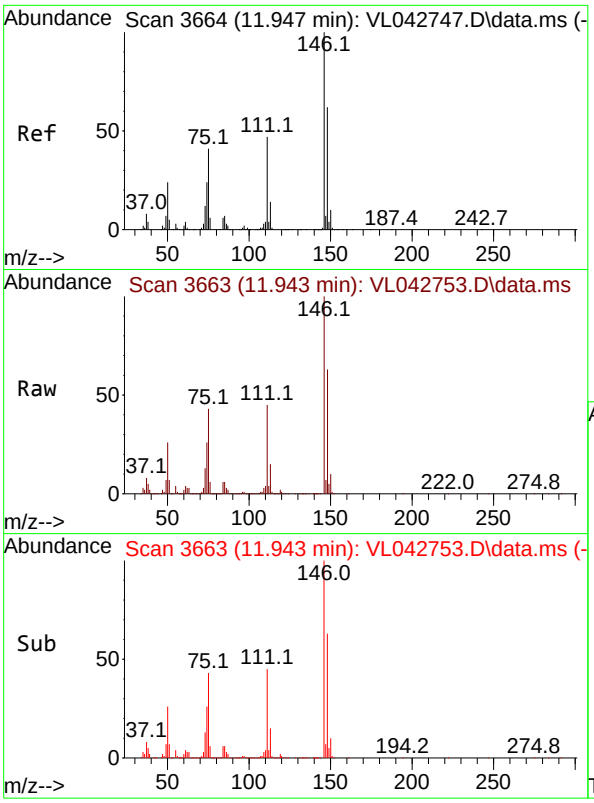


#76
1,4-Dichlorobenzene
Concen: 15.188 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 542998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.2
148	64.3	32.1	96.3

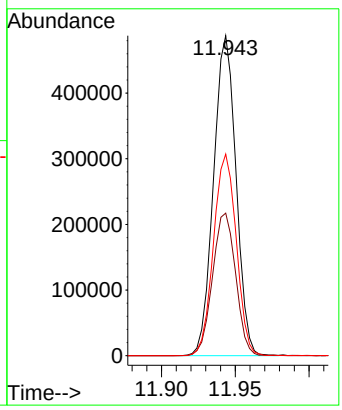




#77
1,2-Dichlorobenzene
Concen: 14.390 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 51671

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.0	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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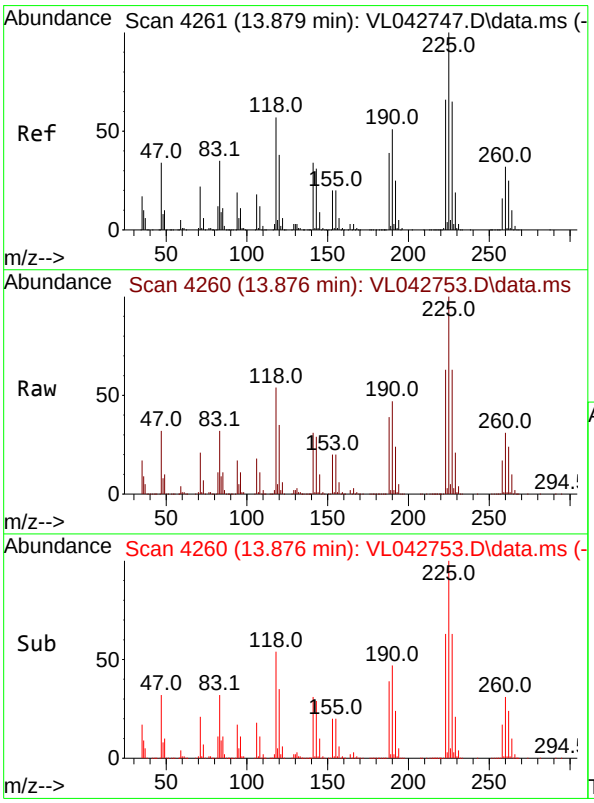
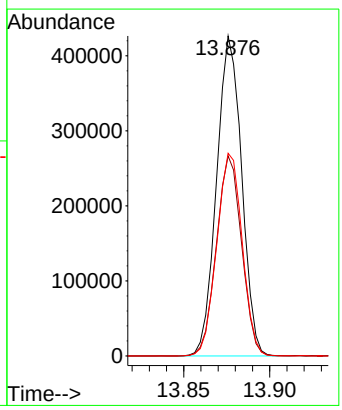
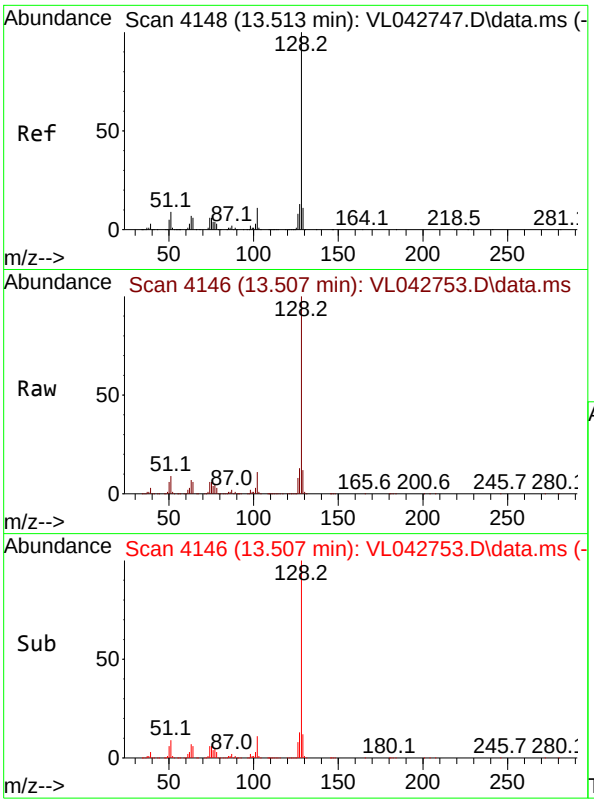


#78
Hexachloro-1,3-Butadiene
Concen: 13.296 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:225 Resp: 432138

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	64.3	50.5	75.7

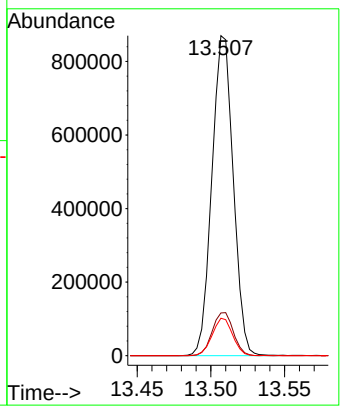




#79
Naphthalene
Concen: 15.265 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:128 Resp: 87673

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.7	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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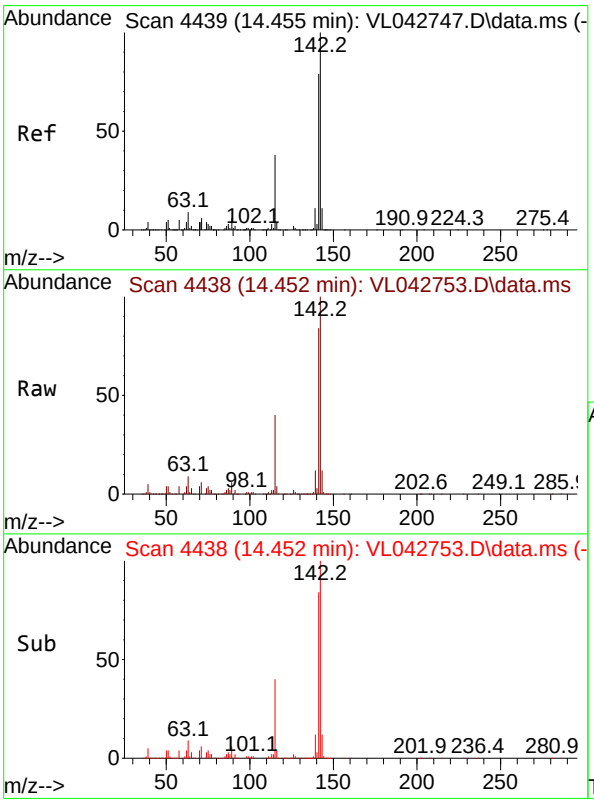
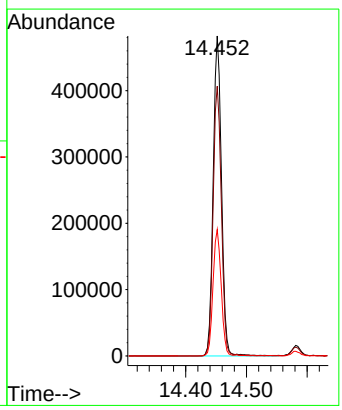
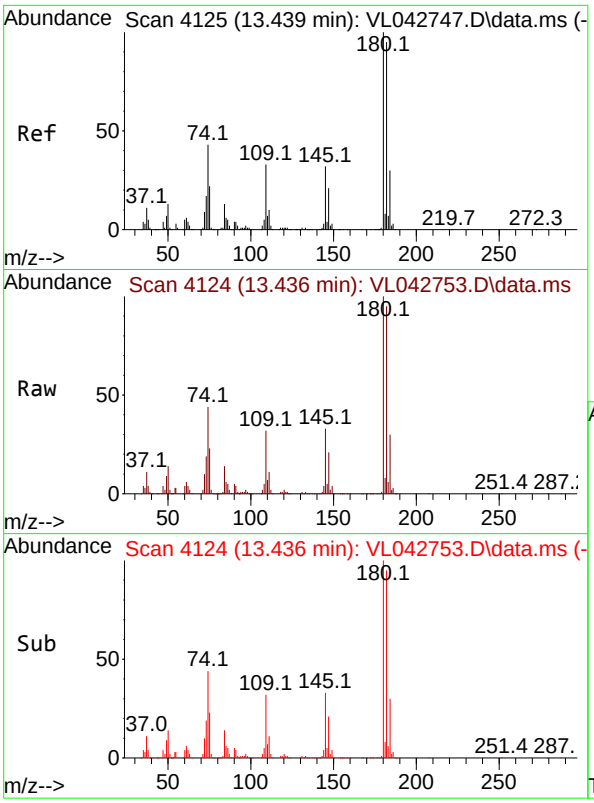


#80
Naphthalene,2-methyl-
Concen: 15.438 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:142 Resp: 456529

Ion	Ratio	Lower	Upper
142	100		
141	84.4	65.8	98.8
115	39.2	31.2	46.8

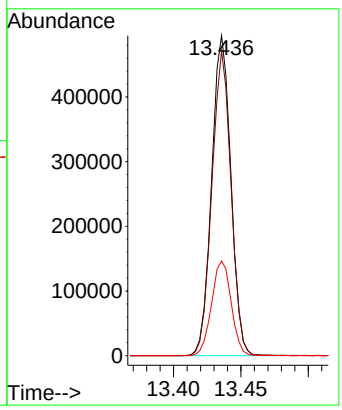




#81
1,2,4-Trichlorobenzene
Concen: 15.200 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:180 Resp: 49057

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.3	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	152358	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	438604	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	393042	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	298283	9.583	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	837	0.104	ppbv #	60
32) 1,1,1-Trichloroethane	3.363	97	3550	0.108	ppbv	96
35) Carbon Tetrachloride	3.758	117	3035m	0.093	ppbv	
38) Trichloroethene	4.555	130	2207m	0.110	ppbv	
52) Tetrachloroethene	8.222	164	1852m	0.107	ppbv	
54) 1,2-Dibromoethane	7.665	107	2184m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	3084m	0.095	ppbv	
79) Naphthalene	13.514	128	2509	0.475	ppbv #	96

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

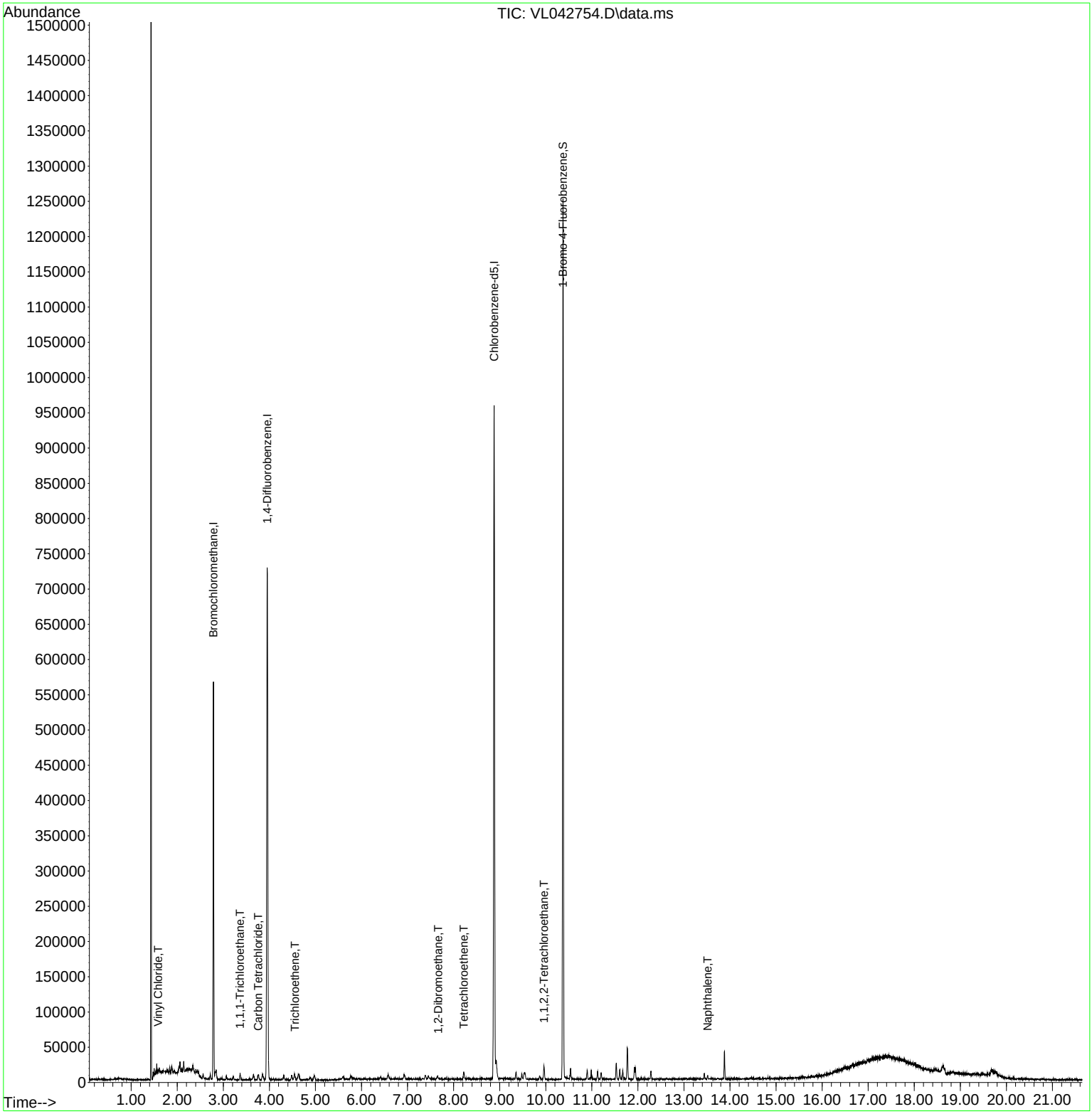
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

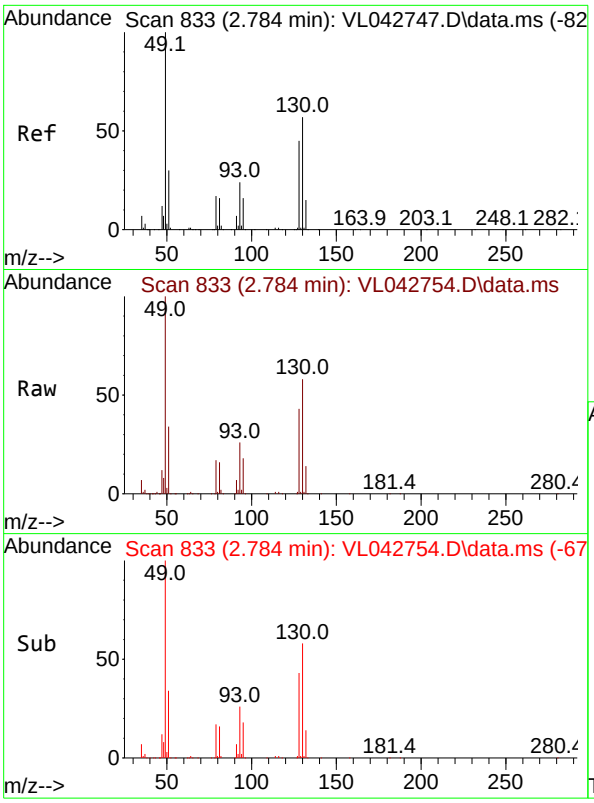
Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

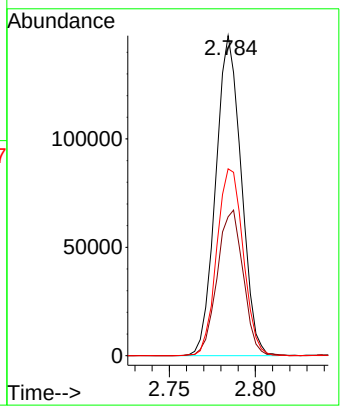




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 49 Resp: 15235

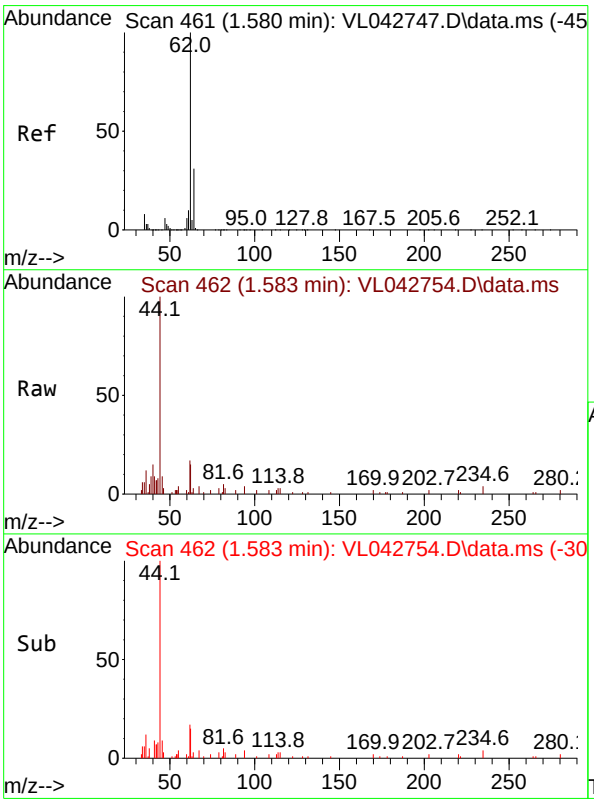
Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	60.6	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

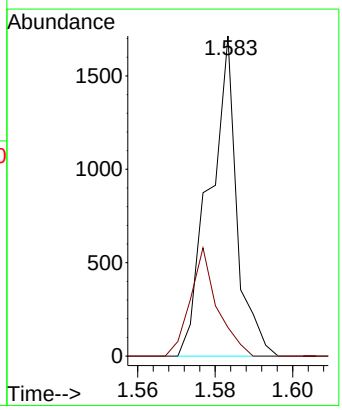
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

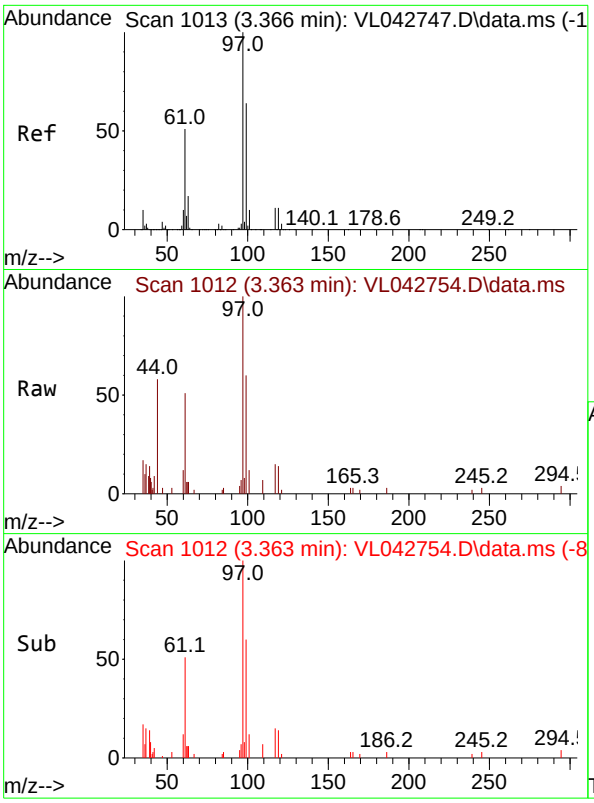


#5
Vinyl Chloride
Concen: 0.104 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 62 Resp: 837

Ion	Ratio	Lower	Upper
62	100		
64	8.9	24.5	36.7#

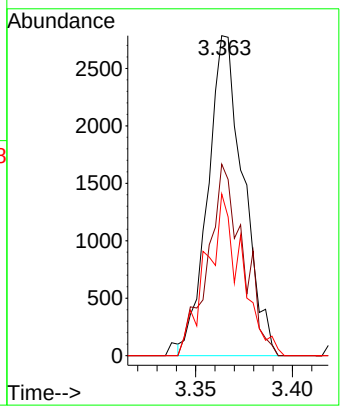




#32
1,1,1-Trichloroethane
Concen: 0.108 ppbv
RT: 3.363 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 97 Resp: 355

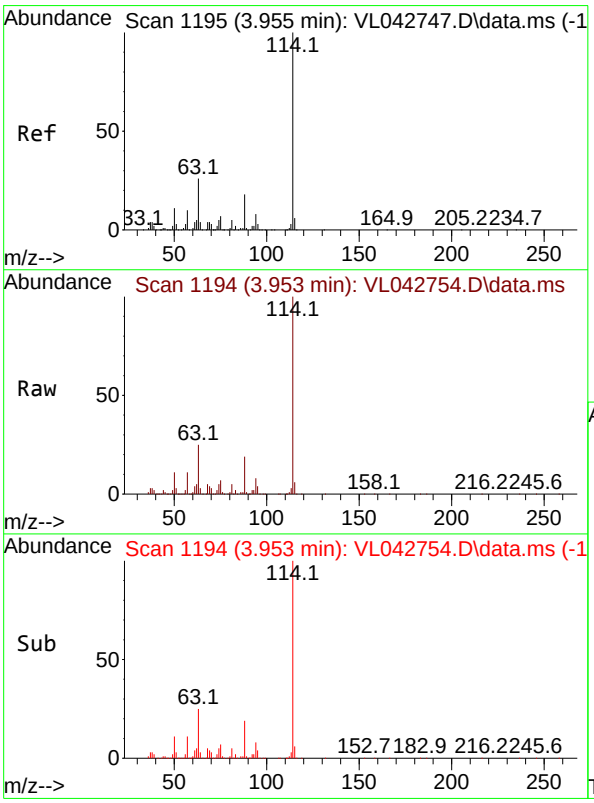
Ion	Ratio	Lower	Upper
97	100		
99	59.4	51.0	76.6
61	50.4	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

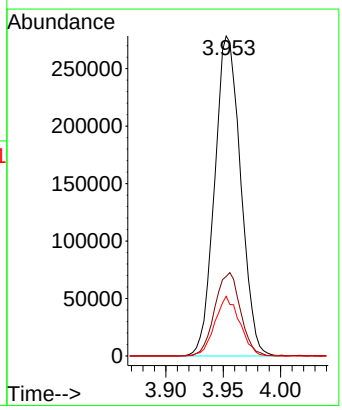
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

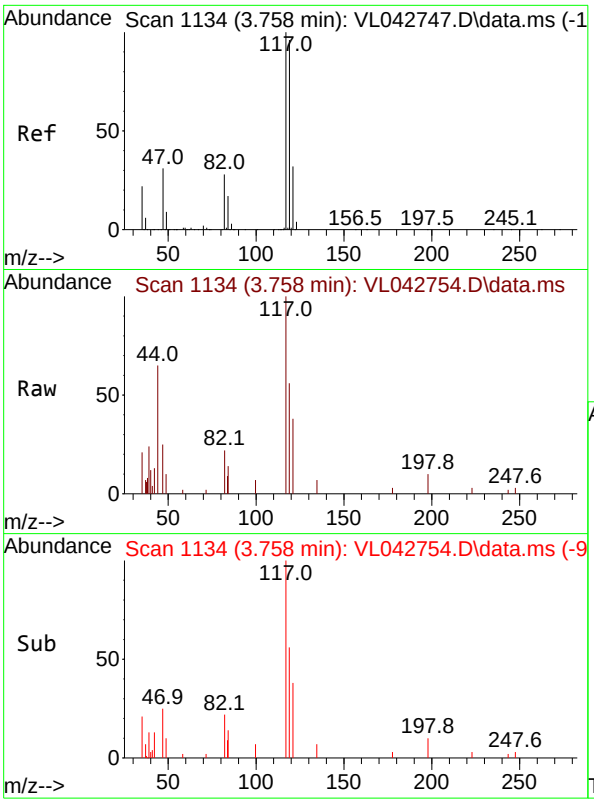


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:114 Resp: 438604

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.8	14.0	21.0

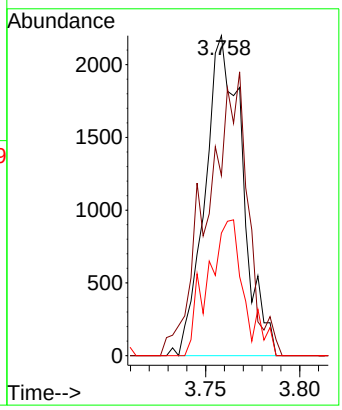




#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 3.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:117 Resp: 303

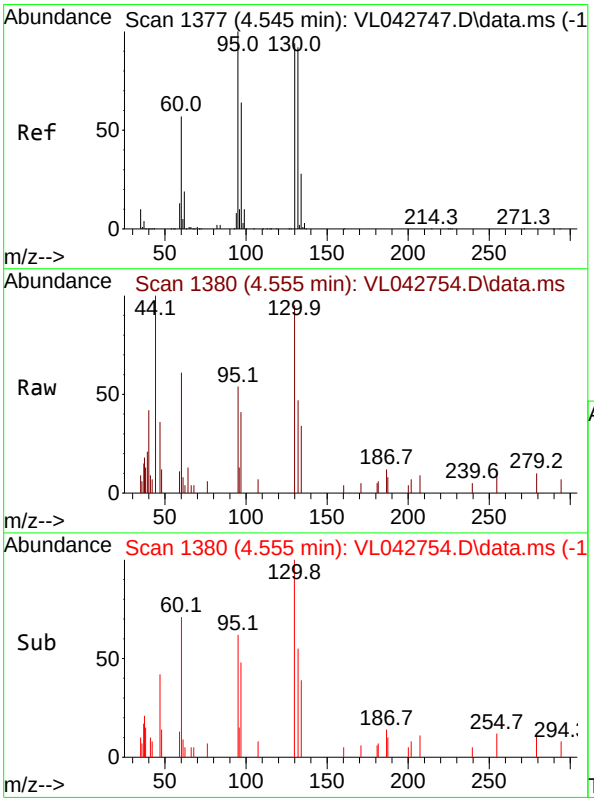
Ion	Ratio	Lower	Upper
117	100		
119	56.3	77.1	115.7#
121	38.3	25.5	38.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

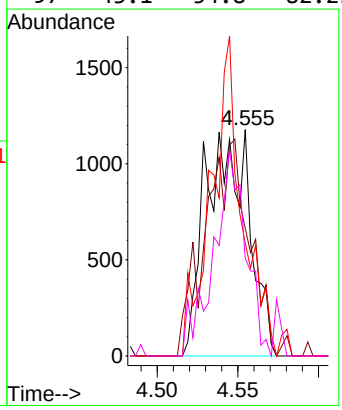
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

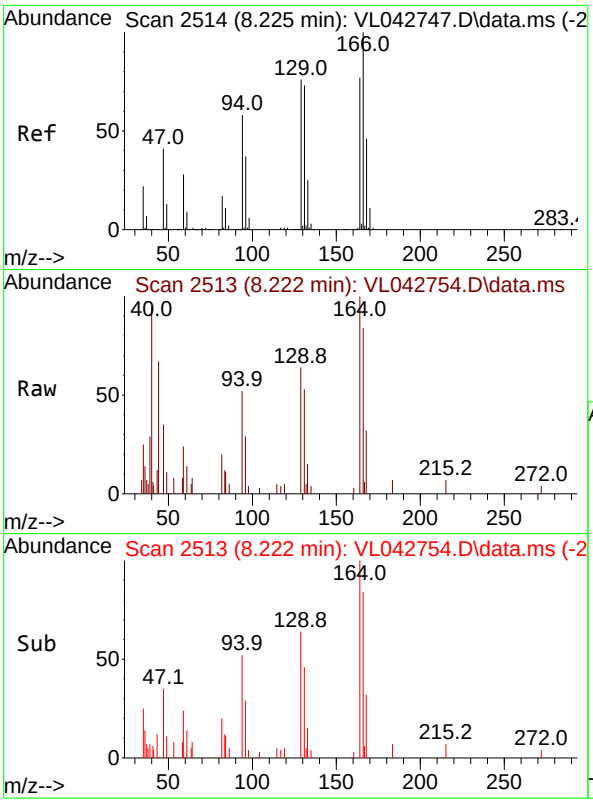


#38
Trichloroethene
Concen: 0.110 ppbv m
RT: 4.555 min Scan# 1380
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:130 Resp: 2207

Ion	Ratio	Lower	Upper
130	100		
95	56.4	85.4	128.2#
132	49.9	78.2	117.2#
97	43.1	54.8	82.2#

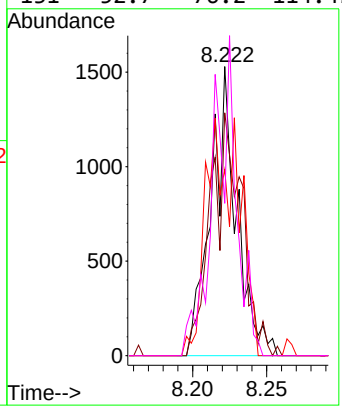




#52
Tetrachloroethene
Concen: 0.107 ppbv m
RT: 8.222 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:164 Resp: 185

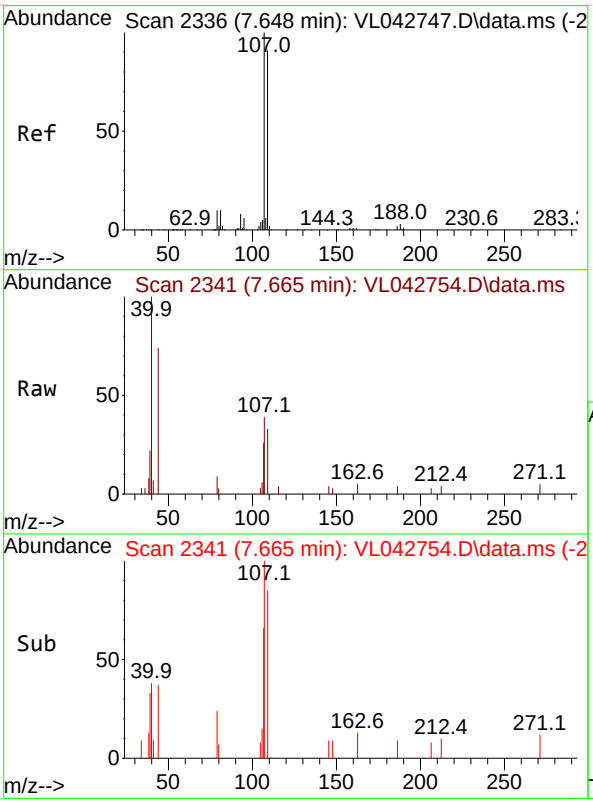
Ion	Ratio	Lower	Upper
164	100		
166	84.0	104.0	156.0#
129	64.3	79.2	118.8#
131	52.7	76.2	114.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

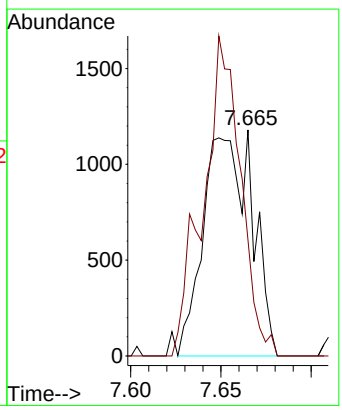
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

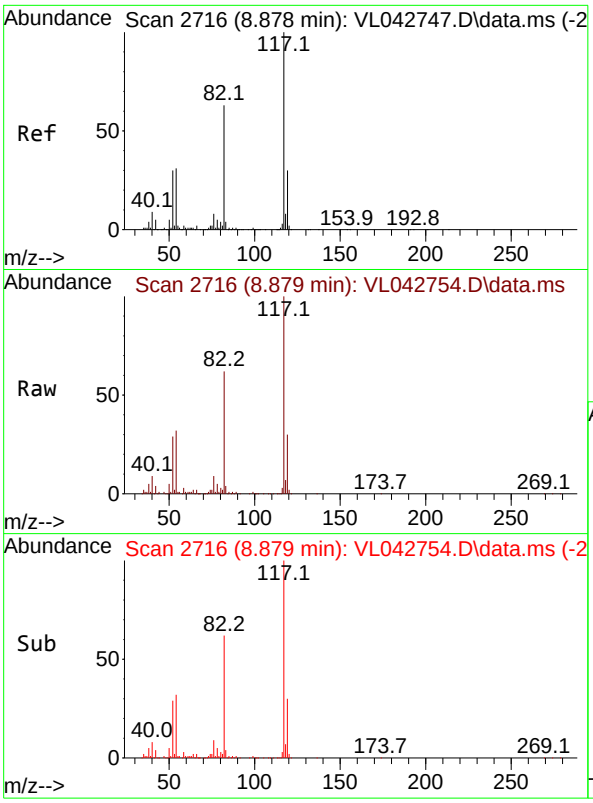


#54
1,2-Dibromoethane
Concen: 0.094 ppbv m
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:107 Resp: 2184

Ion	Ratio	Lower	Upper
107	100		
109	85.2	72.7	109.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

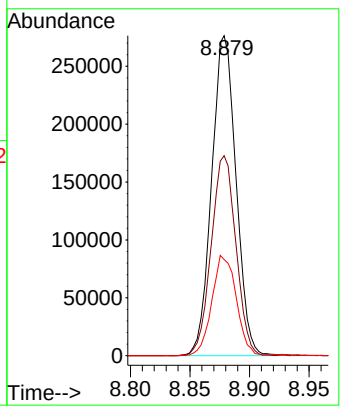
Tgt Ion:117 Resp: 39304

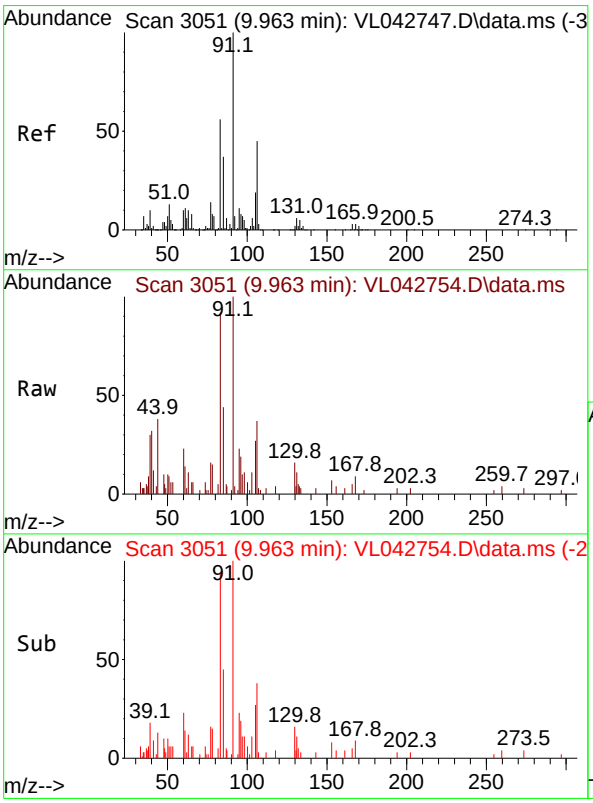
Ion	Ratio	Lower	Upper
117	100		
82	63.6	53.3	79.9
119	31.7	25.8	38.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

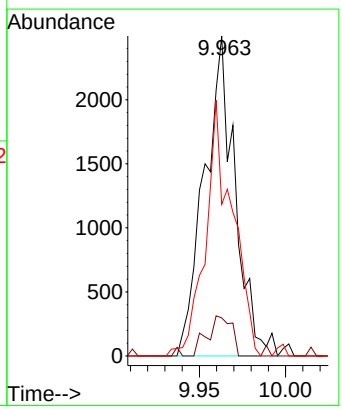


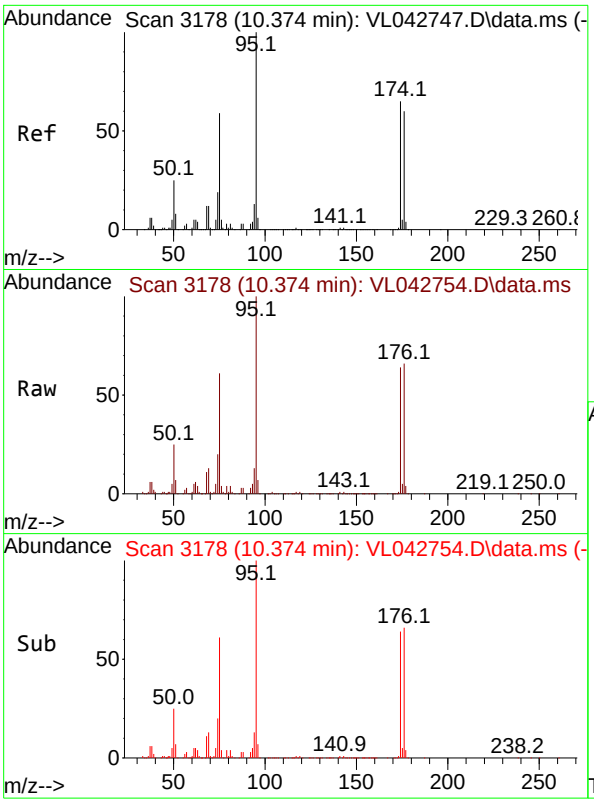


#63
1,1,2,2-Tetrachloroethane
Concen: 0.095 ppbv m
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 83 Resp: 3084

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.0	15.0
85	70.7	32.6	97.7

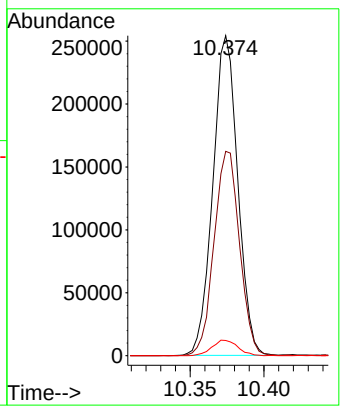




#68
1-Bromo-4-Fluorobenzene
Concen: 9.583 ppbv
RT: 10.374 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 95 Resp: 29828

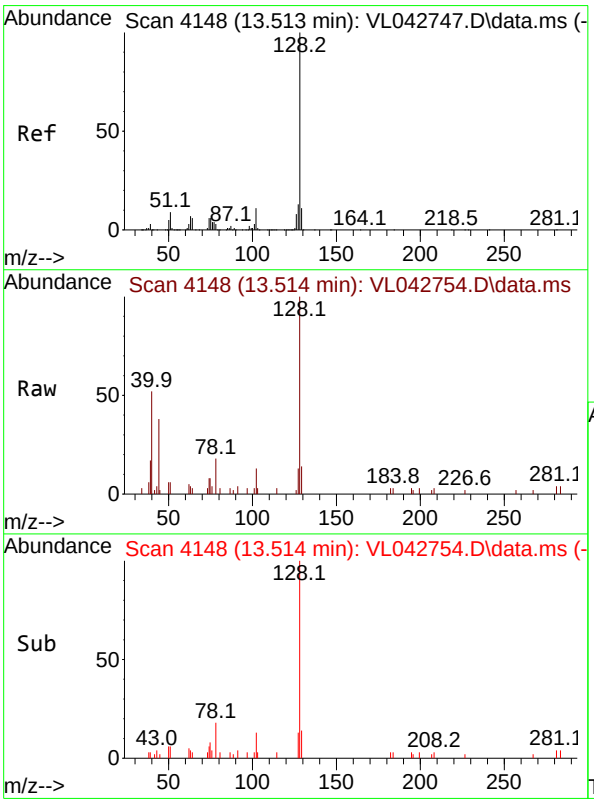
Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.0	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

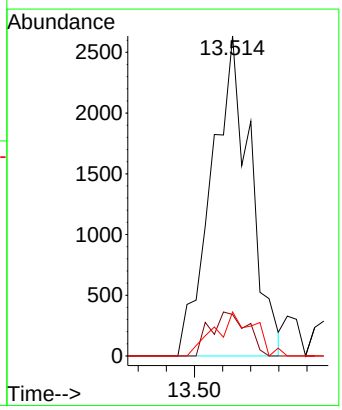
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#79
Naphthalene
Concen: 0.475 ppbv
RT: 13.514 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:128 Resp: 2509

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.7	8.6	13.0#



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	148064	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421747	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	380539	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	313324	10.397	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	185425	9.472	ppbv	99
3) Chlorodifluoromethane	1.473	51	242908	9.525	ppbv	99
4) Chloromethane	1.531	50	72221	9.119	ppbv	98
5) Vinyl Chloride	1.577	62	64673	8.265	ppbv	100
6) Bromomethane	1.664	94	27096	8.957	ppbv	99
7) Chloroethane	1.700	64	26125	8.641	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	148833	9.244	ppbv	100
9) Propene	1.479	41	86343	9.316	ppbv	95
10) Heptane	4.965	43	247934	9.921	ppbv	99
11) Trichlorofluoromethane	1.874	101	179643	8.902	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.136	101	138363	9.023	ppbv	98
13) Ethanol	1.719	45	7690	10.243	ppbv	92
14) Bromoethene	1.777	108	48972	9.020	ppbv	98
15) Acetone	1.832	43	149742	7.324	ppbv	99
16) 1,3-Butadiene	1.606	39	79112	9.072	ppbv	98
17) tert-Butyl alcohol	2.036	59	170096	9.225	ppbv	98
18) 1,1-Dichloroethene	2.030	96	62149	8.970	ppbv	96
19) Isopropyl Alcohol	1.881	45	97844	9.006	ppbv	99
20) Methylene Chloride	2.056	84	53608	8.320	ppbv	98
21) Allyl Chloride	2.091	41	118958	9.441	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	69482	9.322	ppbv	97
23) Vinyl Acetate	2.457	43	261938	10.568	ppbv	98
24) 1,1-Dichloroethane	2.402	63	137586	8.993	ppbv	99
25) Ethyl Acetate	2.829	43	444208	9.816	ppbv	99
26) Hexane	2.819	57	190523	9.597	ppbv	98
27) Carbon Disulfide	2.146	76	164040	9.652	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	85480	9.114	ppbv	98
29) Chloroform	2.842	83	295808	9.643	ppbv	99
30) Cyclohexane	3.849	84	164554	9.773	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	199970	9.802	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	293074	9.172	ppbv	100
34) 2-Butanone	2.551	43	294837	9.869	ppbv	99
35) Carbon Tetrachloride	3.755	117	310129	9.900	ppbv	96
36) Benzene	3.648	78	393085	9.834	ppbv	99
37) 1,2-Dichloroethane	3.211	62	238249	9.895	ppbv	100
38) Trichloroethene	4.538	130	178600	9.301	ppbv	97
39) 1,2-Dichloropropane	4.305	63	141316	9.578	ppbv	95
40) 1,4-Dioxane	4.570	88	65204	9.481	ppbv #	94
41) Tetrahydrofuran	3.046	42	158159	10.404	ppbv	99
42) Bromodichloromethane	4.477	83	321549	10.254	ppbv	98
43) Methyl Methacrylate	4.865	69	152551	10.738	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	649720	9.973	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	169563	10.643	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	215596	10.679	ppbv		97
47) 1,1,2-Trichloroethane	6.564	97	154882m	9.848	ppbv		
48) Dibromochloromethane	7.380	129	261174	10.460	ppbv		98
49) Bromoform	9.477	173	233573	10.729	ppbv		99
50) 4-Methyl-2-Pentanone	5.736	43	396506	10.303	ppbv		100
51) 2-Hexanone	7.428	43	320740	11.029	ppbv	#	100
52) Tetrachloroethene	8.218	164	151810	9.163	ppbv		98
53) Toluene	6.927	91	441829	10.294	ppbv		100
54) 1,2-Dibromoethane	7.645	107	229563	10.331	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.920	131	193089	9.759	ppbv		99
57) Chlorobenzene	8.914	112	354412	9.623	ppbv		96
58) Ethyl Benzene	9.348	91	631247	10.504	ppbv		99
59) m/p-Xylene	9.545	91	1016249m	21.160	ppbv		
60) o-Xylene	9.959	91	503849	10.499	ppbv		99
61) Styrene	9.866	104	225799	11.185	ppbv		99
62) Isopropylbenzene	10.536	105	736044	10.398	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.956	83	287775	9.340	ppbv		99
64) n-propylbenzene	10.982	120	193034	10.460	ppbv		98
65) tert-Butylbenzene	11.526	119	660966	10.512	ppbv		99
66) Benzyl Chloride	11.610	91	60055	11.634	ppbv		99
67) sec-Butylbenzene	11.762	105	914046	10.221	ppbv		100
69) p-Isopropyltoluene	11.921	119	778601	10.677	ppbv		99
70) n-Butylbenzene	12.277	91	788734	11.197	ppbv		99
71) 2-Chlorotoluene	10.895	91	563193	10.376	ppbv		99
72) 4-Ethyltoluene	11.121	105	617355	10.772	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	516735	10.951	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	567186	11.017	ppbv		98
75) 1,3-Dichlorobenzene	11.604	146	366855	10.165	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	364937	10.333	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	348999	9.839	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	291861	9.091	ppbv		99
79) Naphthalene	13.510	128	578563	10.342	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	277798	9.951	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	319897	10.181	ppbv		100

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

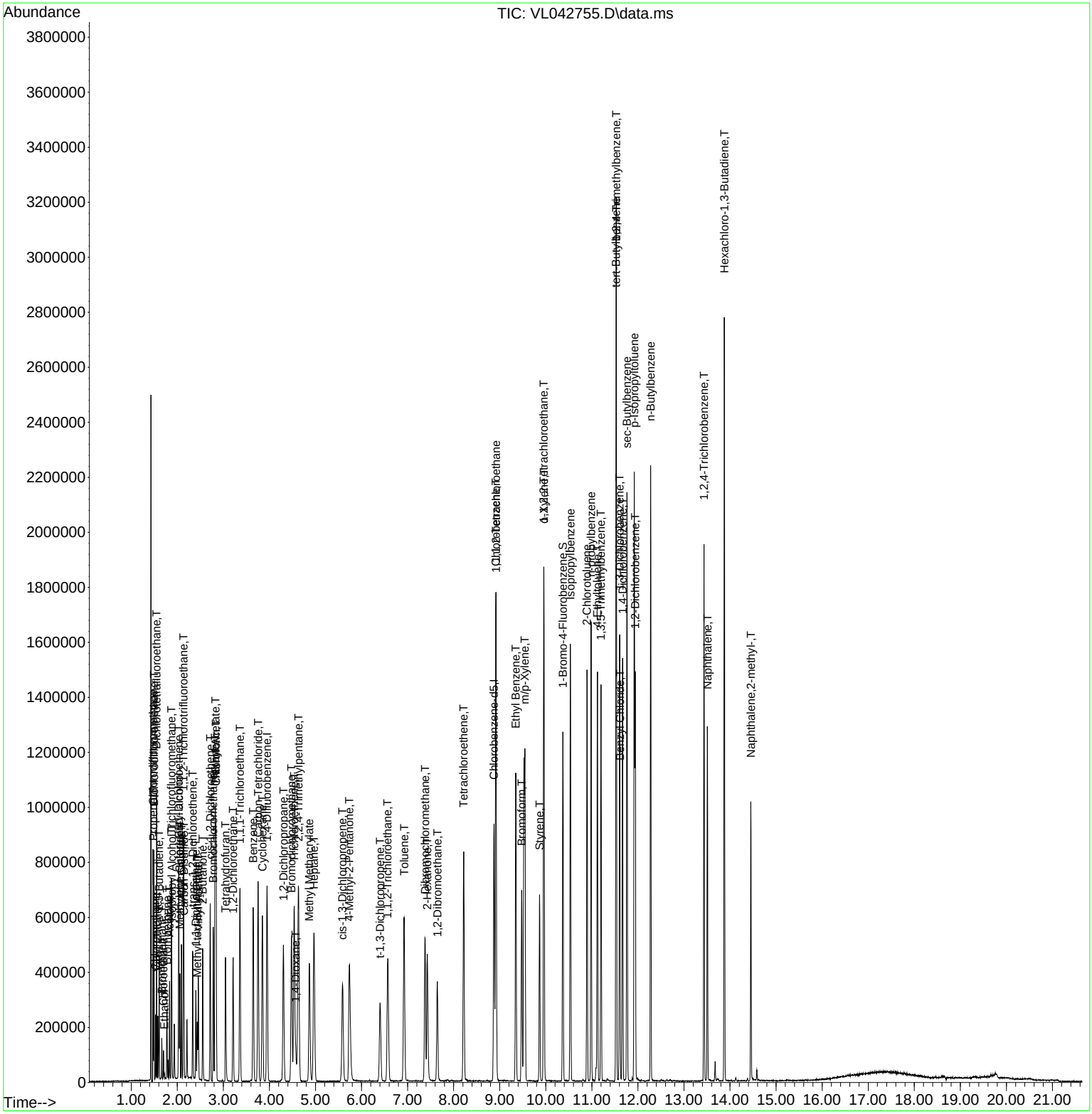
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

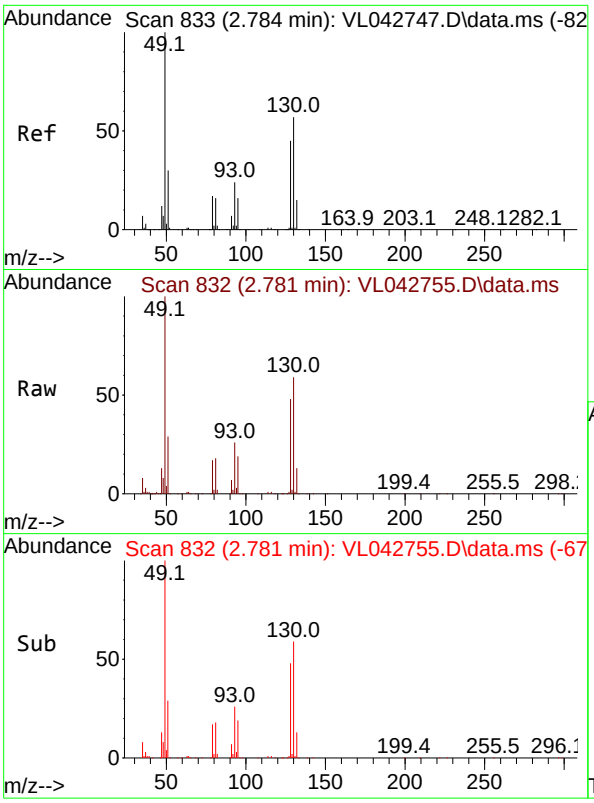
Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

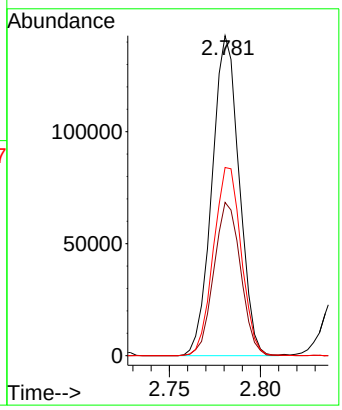




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 49 Resp: 14806

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	60.2	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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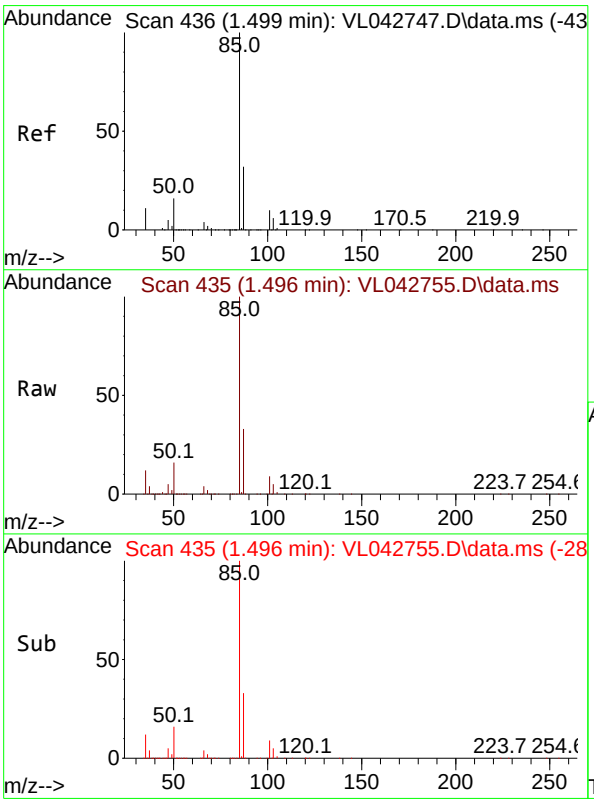
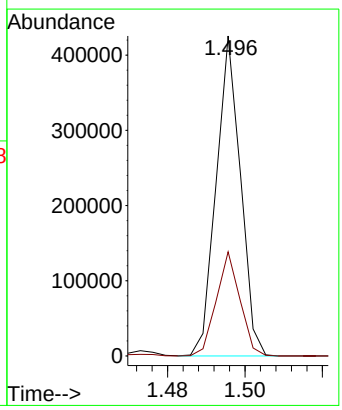
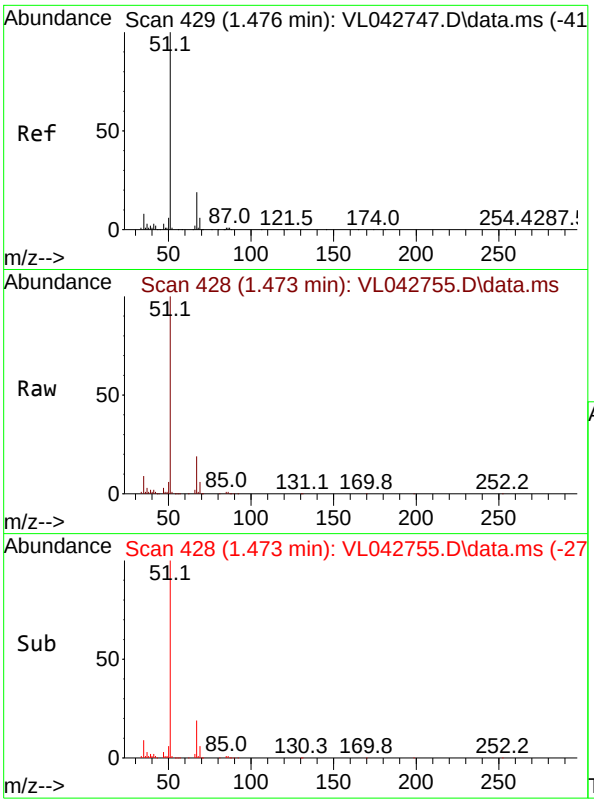


#2
Dichlorodifluoromethane
Concen: 9.472 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 185425

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.4	38.2

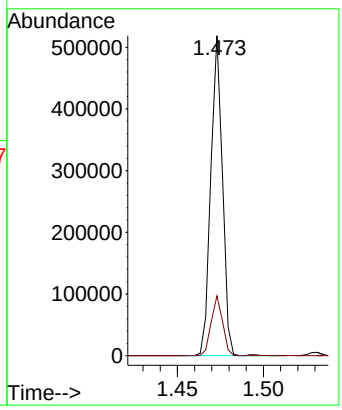




#3
Chlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 51 Resp: 24290

Ion	Ratio	Lower	Upper
51	100		
67	18.4	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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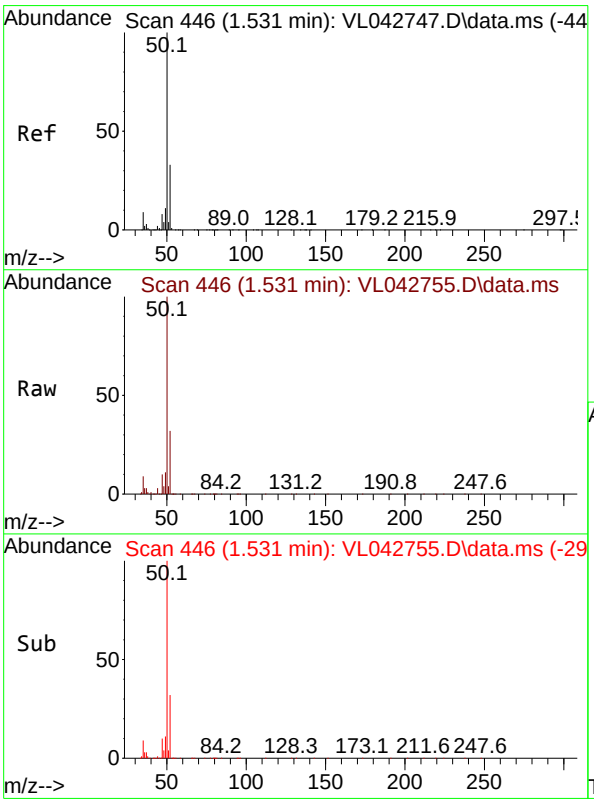
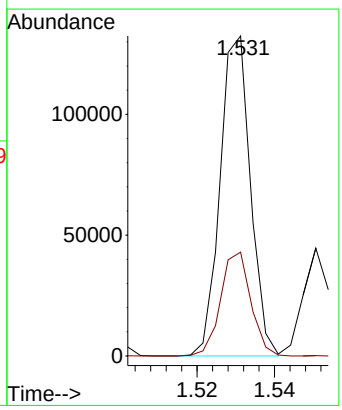
Supervised By :Mahesh Dadoda 07/24/2025

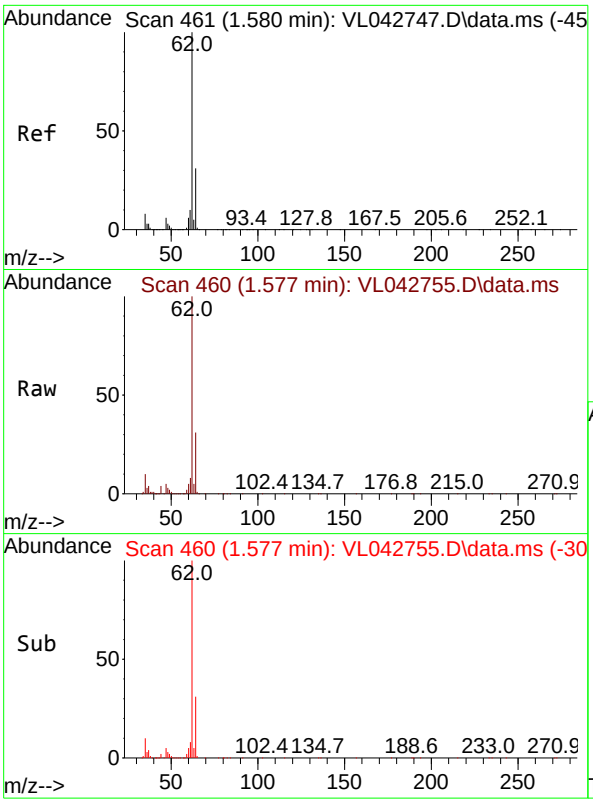


#4
Chloromethane
Concen: 9.119 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 50 Resp: 72221

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.6	40.0

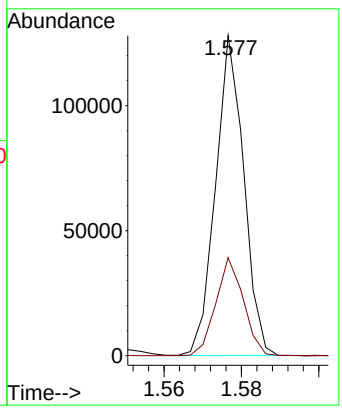




#5
Vinyl Chloride
Concen: 8.265 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 62 Resp: 6467

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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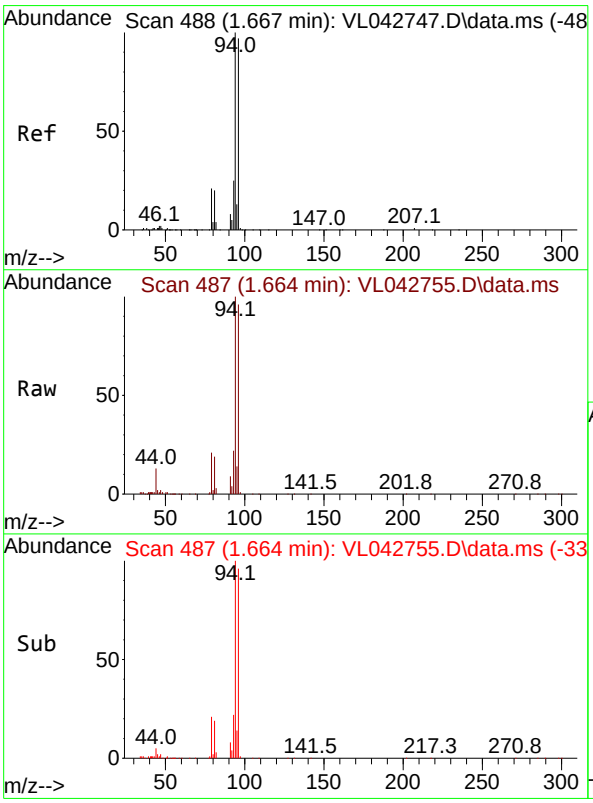
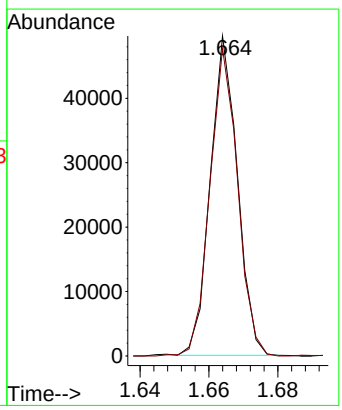
Supervised By :Mahesh Dadoda 07/24/2025

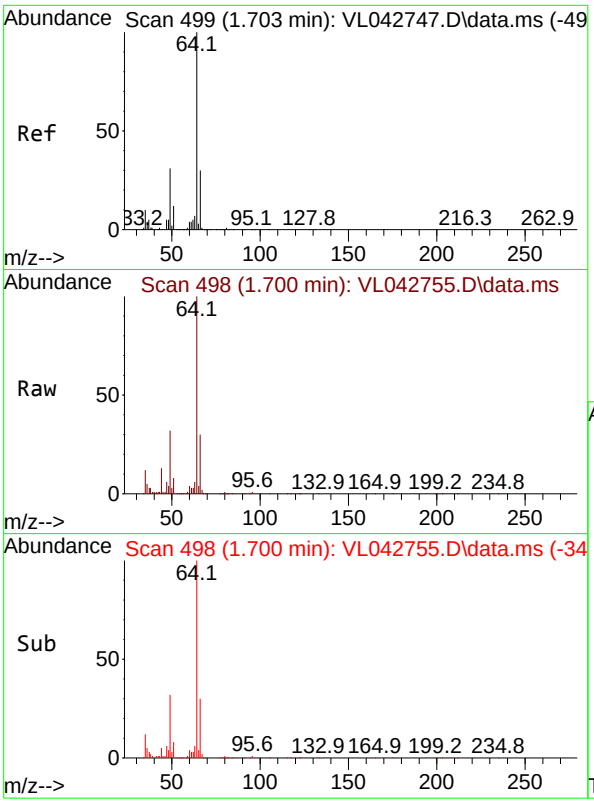


#6
Bromomethane
Concen: 8.957 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 94 Resp: 27096

Ion	Ratio	Lower	Upper
94	100		
96	96.3	77.6	116.4

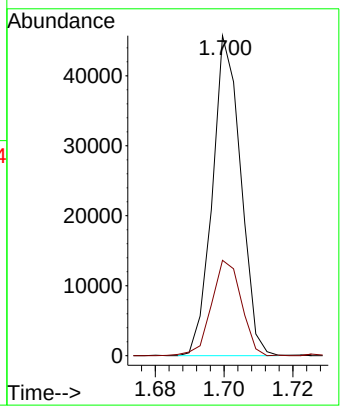




#7
Chloroethane
Concen: 8.641 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 64 Resp: 2612

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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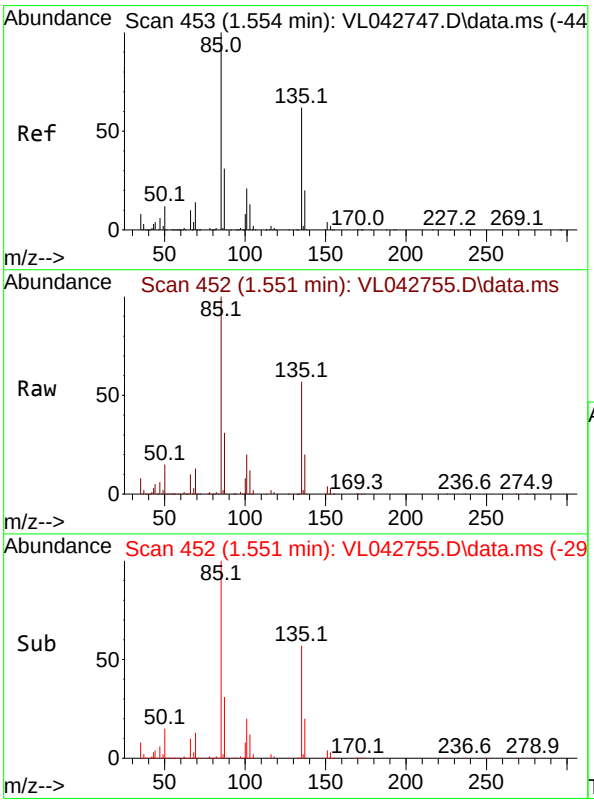
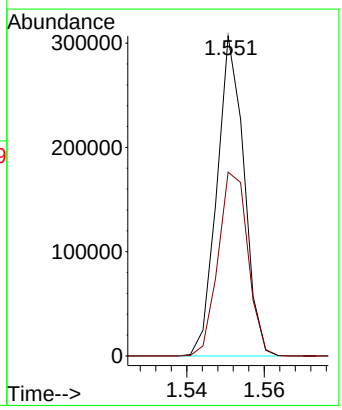
Supervised By :Mahesh Dadoda 07/24/2025

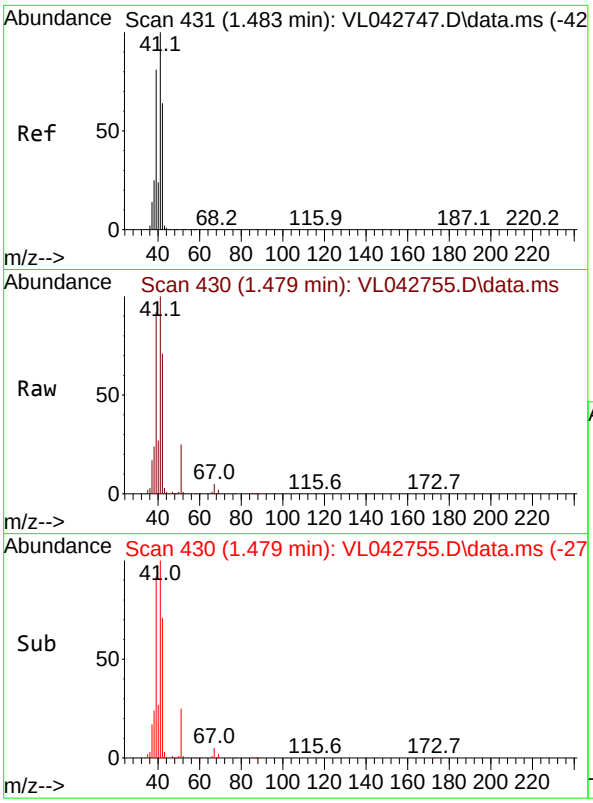


#8
Dichlorotetrafluoroethane
Concen: 9.244 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 148833

Ion	Ratio	Lower	Upper
85	100		
135	63.6	50.6	76.0

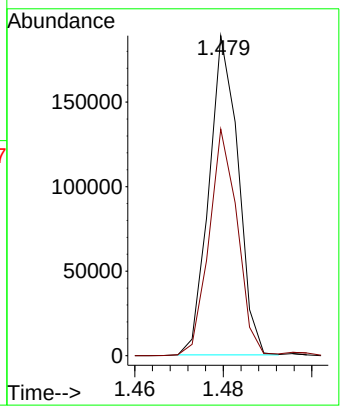




#9
Propene
Concen: 9.316 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 41 Resp: 8634

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.2	79.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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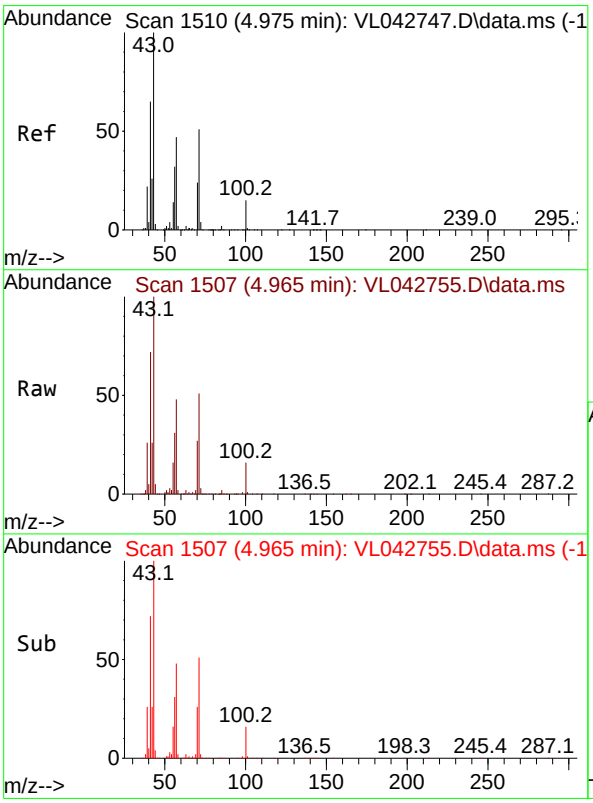
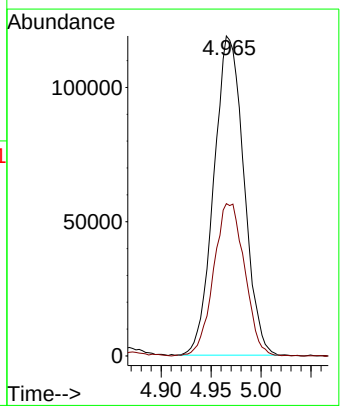
Supervised By :Mahesh Dadoda 07/24/2025

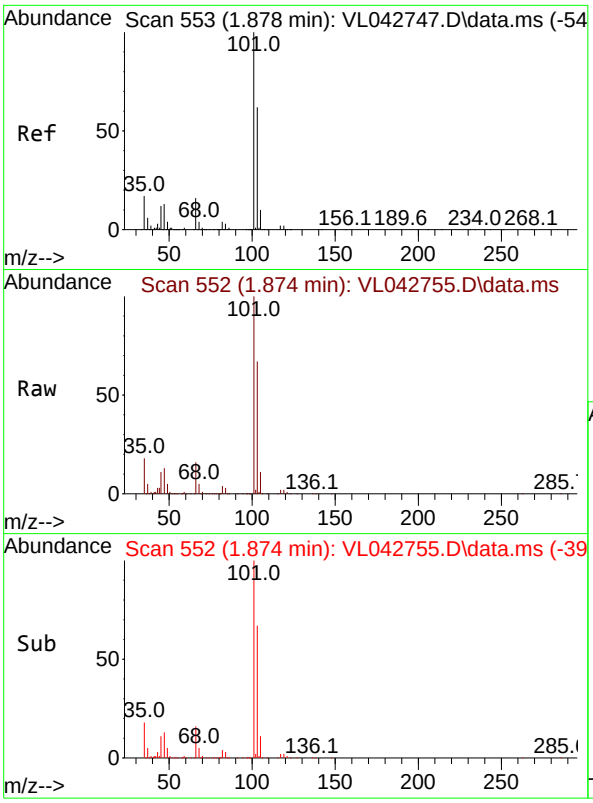


#10
Heptane
Concen: 9.921 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 247934

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.9	59.9





#11
Trichlorofluoromethane
Concen: 8.902 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 17964

Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.6	74.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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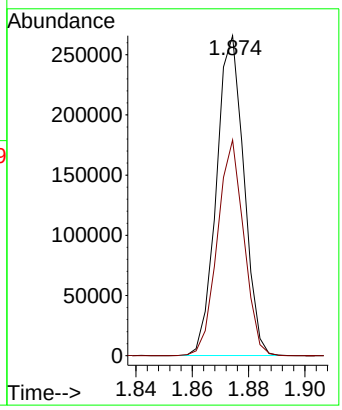
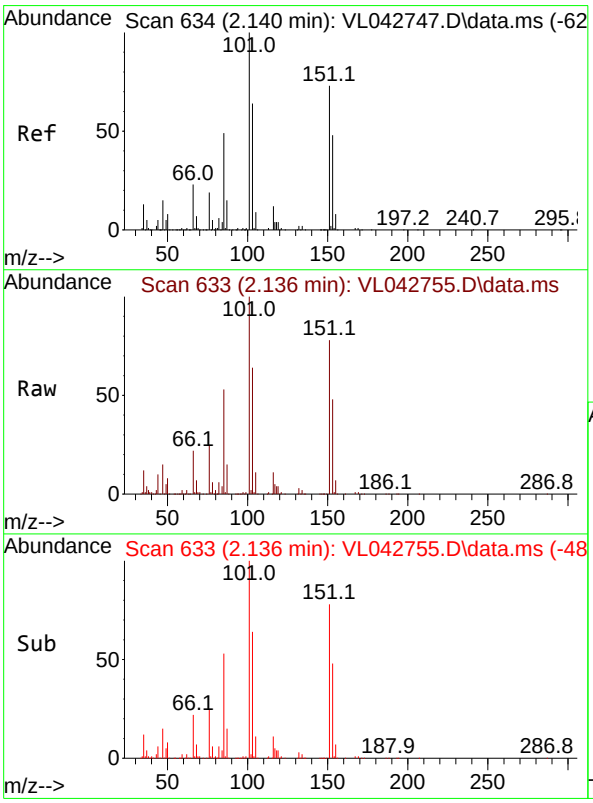
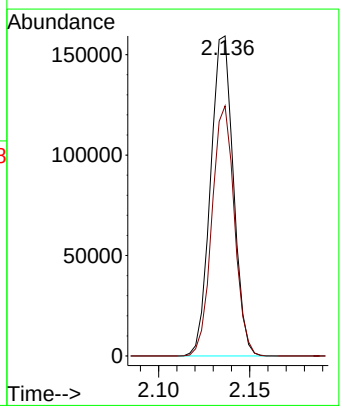


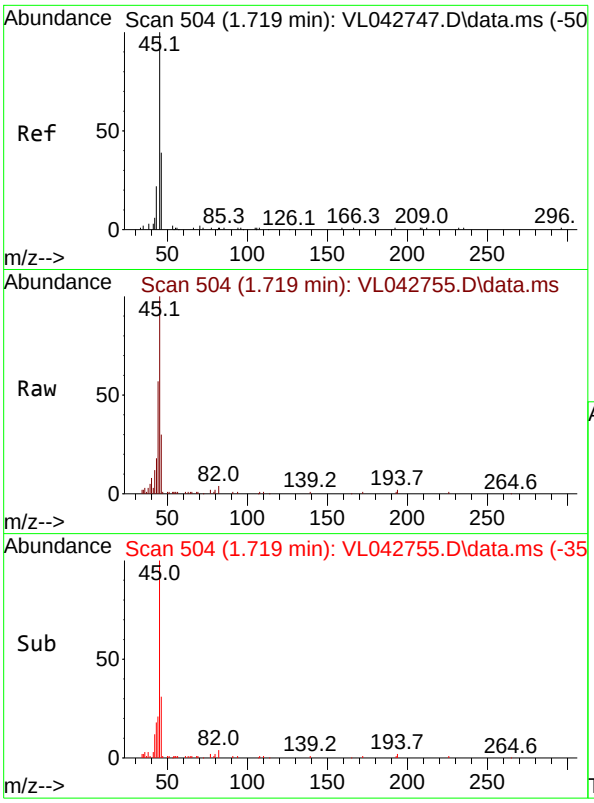


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.023 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 138363

Ion	Ratio	Lower	Upper
101	100		
151	76.9	60.5	90.7

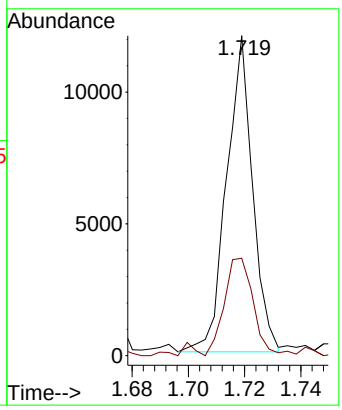




#13
Ethanol
Concen: 10.243 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 45 Resp: 769(

Ion	Ratio	Lower	Upper
45	100		
46	39.7	17.8	71.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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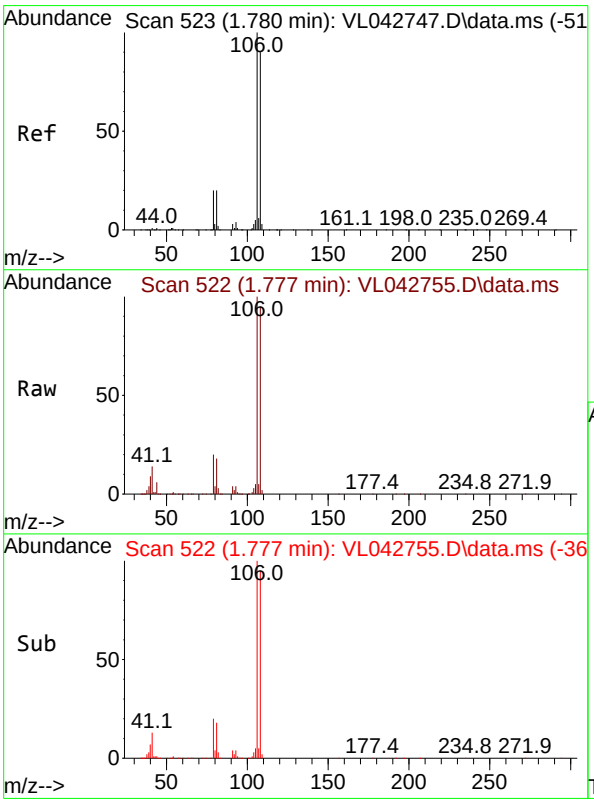
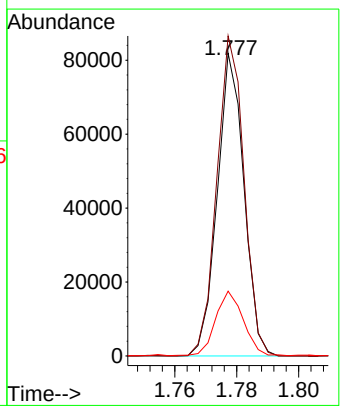
Supervised By :Mahesh Dadoda 07/24/2025

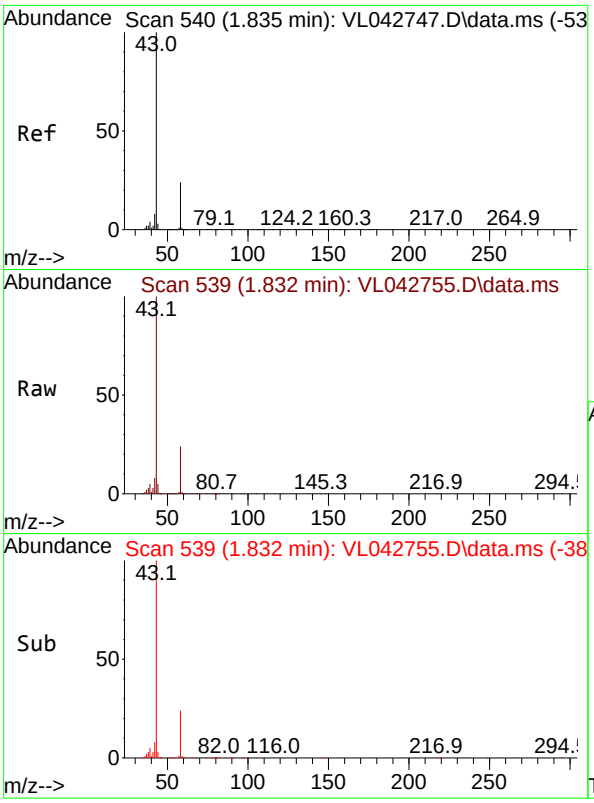


#14
Bromoethene
Concen: 9.020 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:108 Resp: 48972

Ion	Ratio	Lower	Upper
108	100		
106	107.5	84.7	127.1
79	23.5	17.4	26.2





#15
Acetone
Concen: 7.324 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 14974

Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.8	29.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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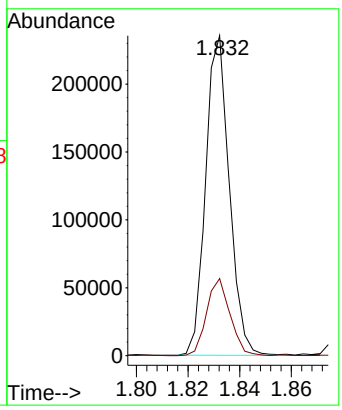
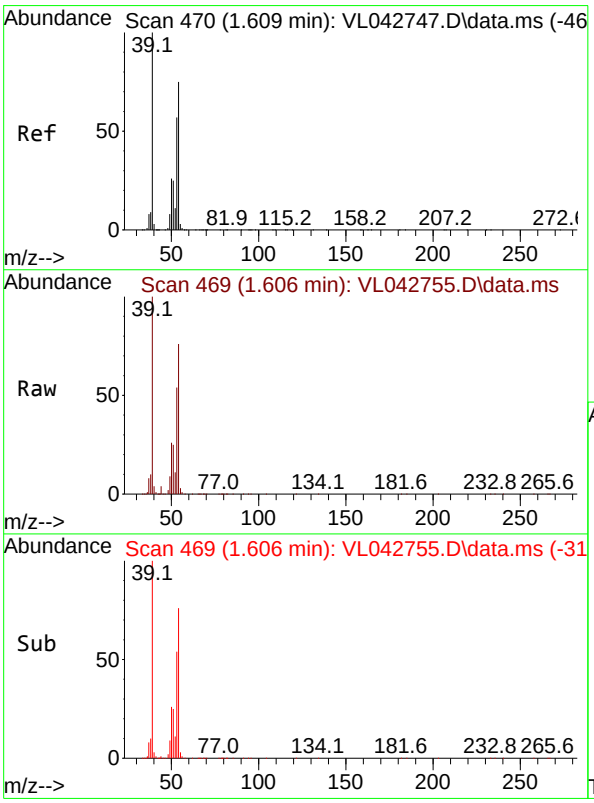
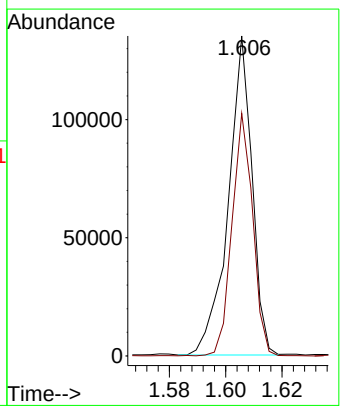


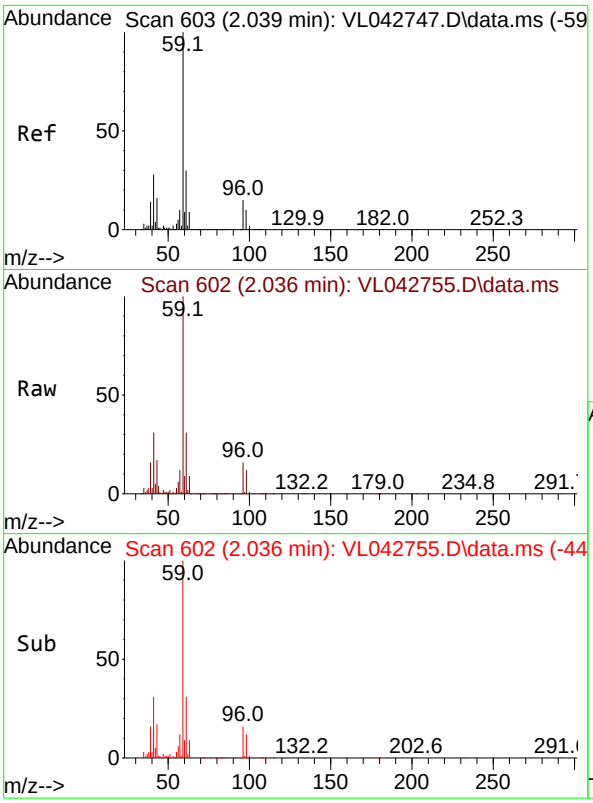


#16
1,3-Butadiene
Concen: 9.072 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 39 Resp: 79112

Ion	Ratio	Lower	Upper
39	100		
54	66.6	54.5	81.7

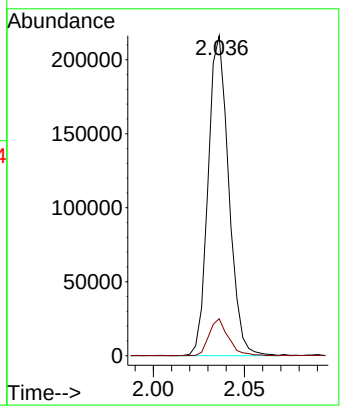




#17
tert-Butyl alcohol
Concen: 9.225 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 59 Resp: 17009

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
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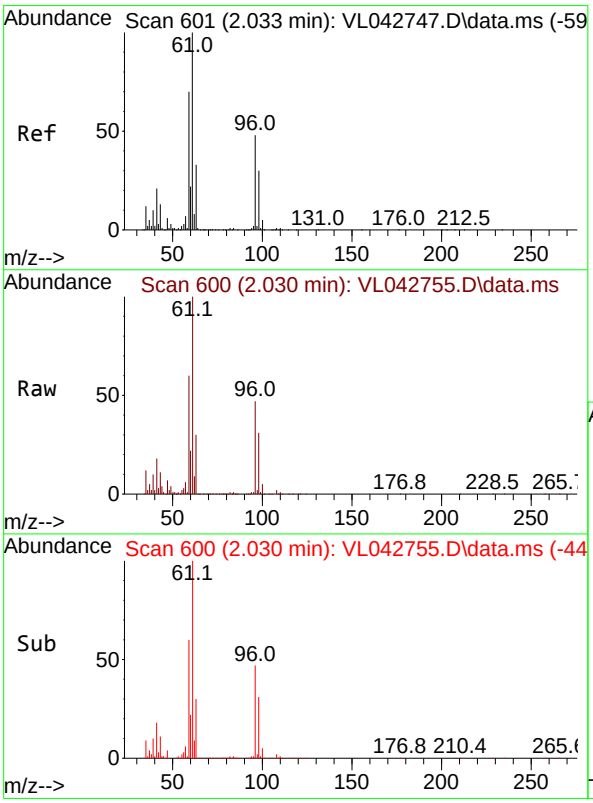
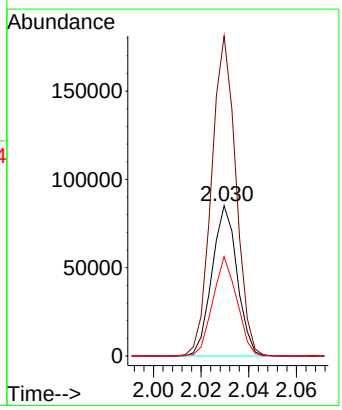
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

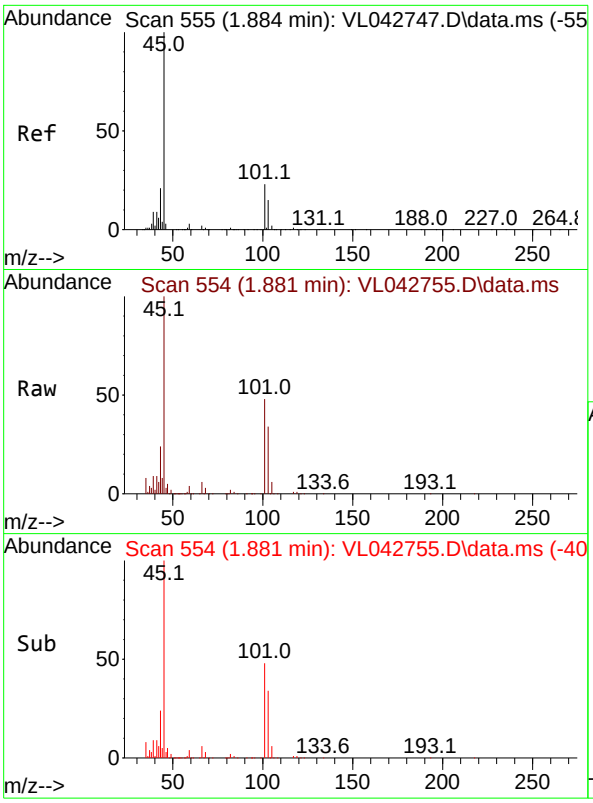


#18
1,1-Dichloroethene
Concen: 8.970 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 62149

Ion	Ratio	Lower	Upper
96	100		
61	212.9	165.8	248.6
98	66.1	49.9	74.9

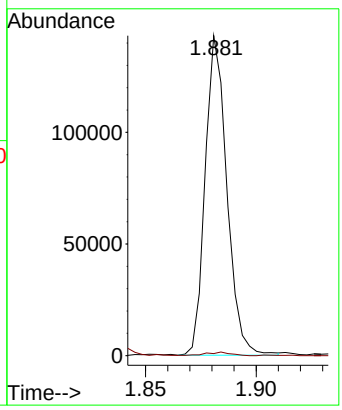




#19
Isopropyl Alcohol
Concen: 9.006 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 45 Resp: 9784

Ion	Ratio	Lower	Upper
45	100		
58	37.1	30.0	45.0



Instrument :
MSVOA_L
ClientSampleId :
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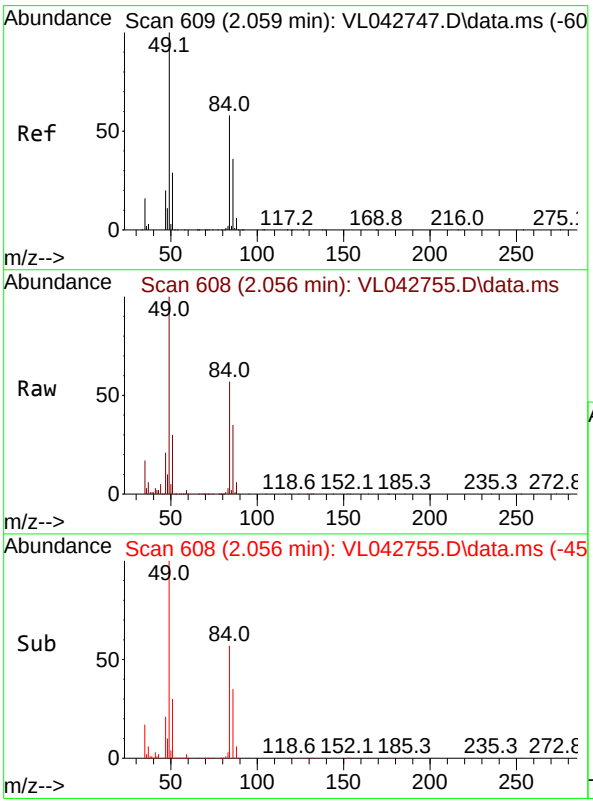
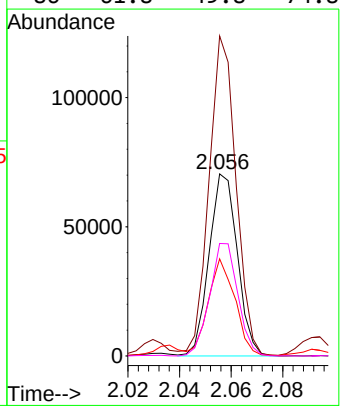
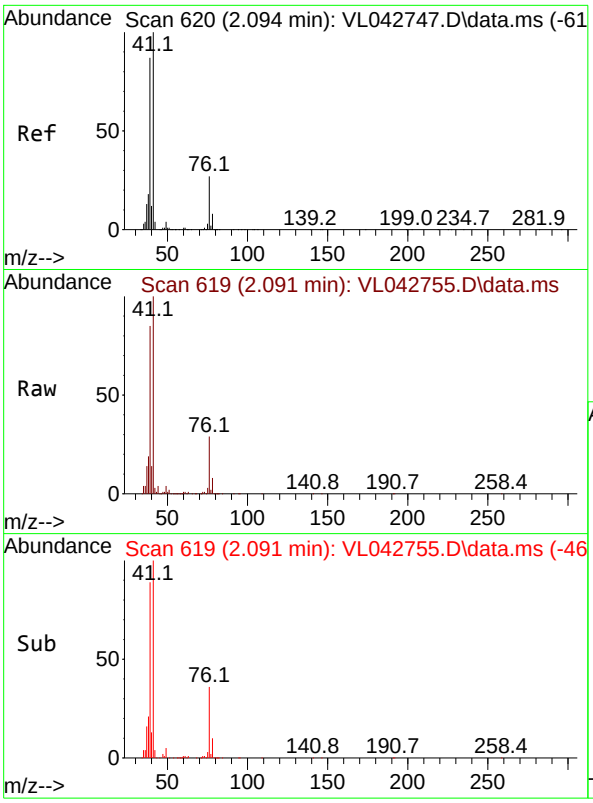


#20
Methylene Chloride
Concen: 8.320 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 53608

Ion	Ratio	Lower	Upper
84	100		
49	175.3	138.6	208.0
51	53.0	40.6	61.0
86	61.8	49.8	74.8

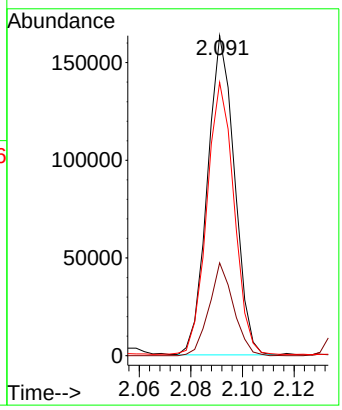




#21
Allyl Chloride
Concen: 9.441 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 41 Resp: 11895

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	85.9	68.3	102.5



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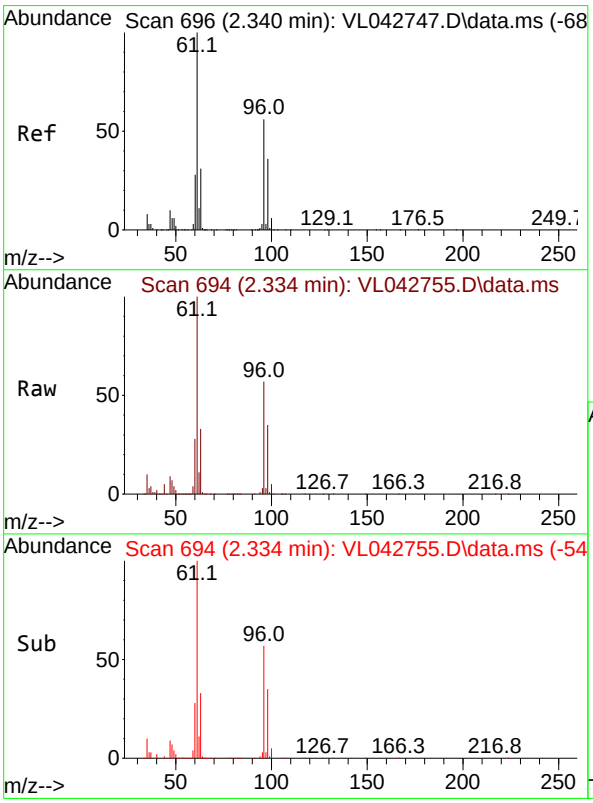
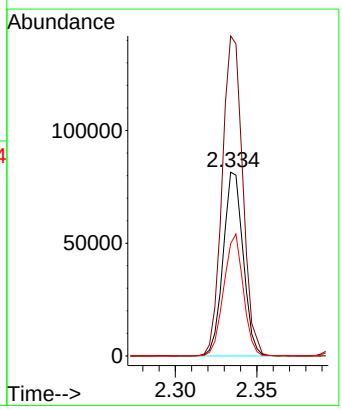
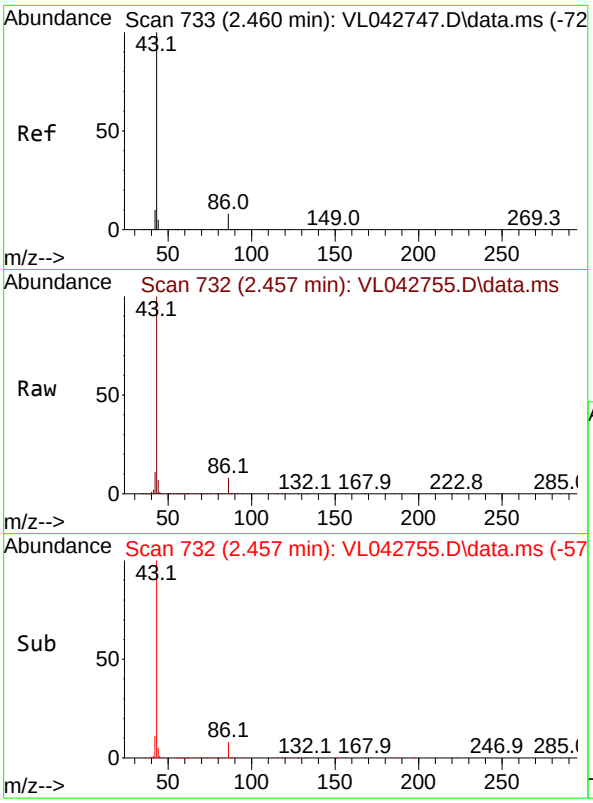


#22
trans-1,2-Dichloroethene
Concen: 9.322 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 69482

Ion	Ratio	Lower	Upper
96	100		
61	174.3	142.3	213.5
98	61.3	50.6	76.0

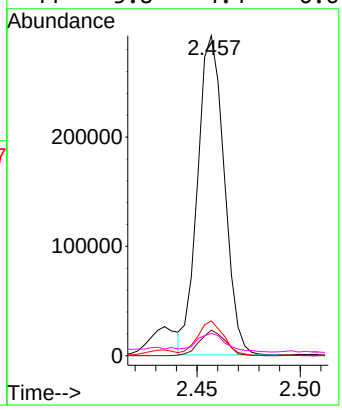




#23
Vinyl Acetate
Concen: 10.568 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 26193

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	10.7	7.8	11.8
44	5.8	4.4	6.6



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ClientSampleId :
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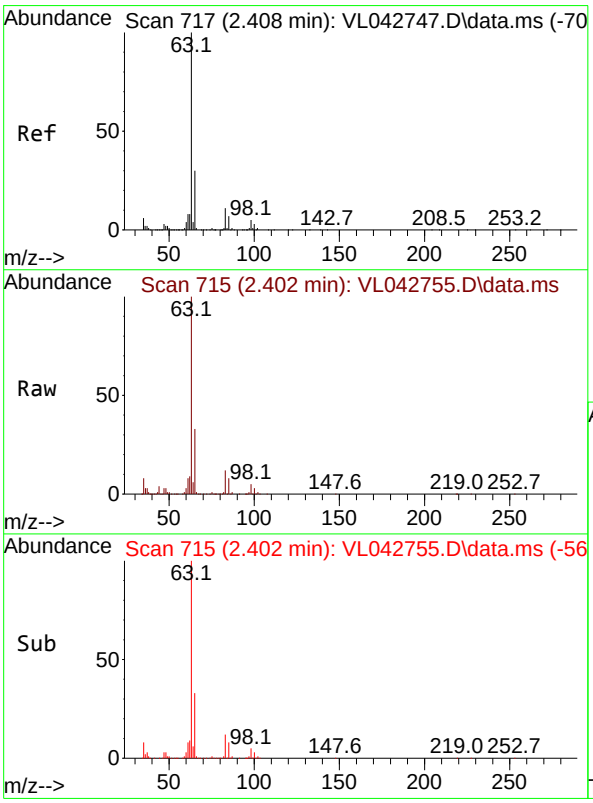
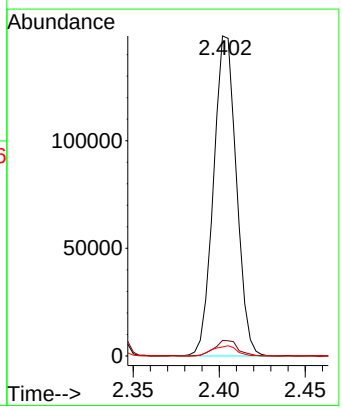
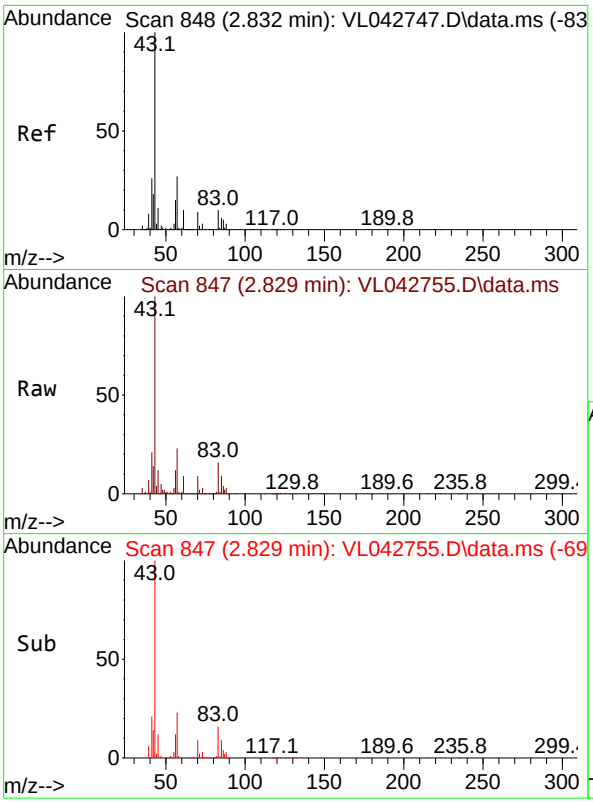


#24
1,1-Dichloroethane
Concen: 8.993 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 137586

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	2.8	1.6	4.8

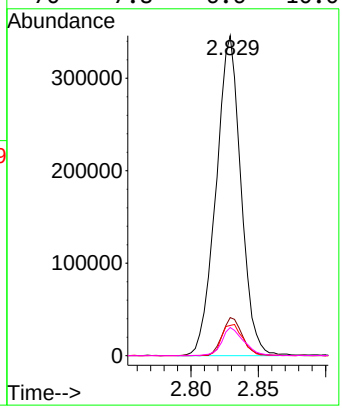




#25
Ethyl Acetate
Concen: 9.816 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 44420

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	6.7	10.1
70	7.8	6.6	10.0



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ClientSampleId :
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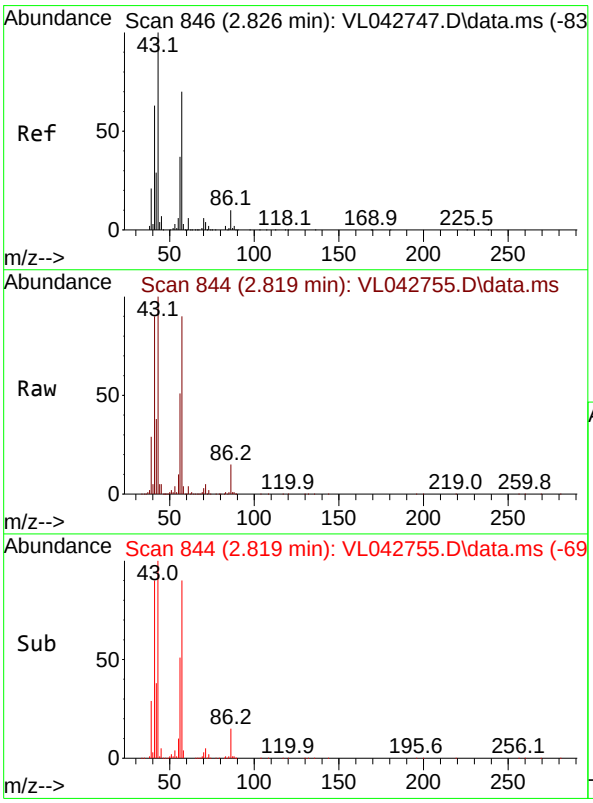
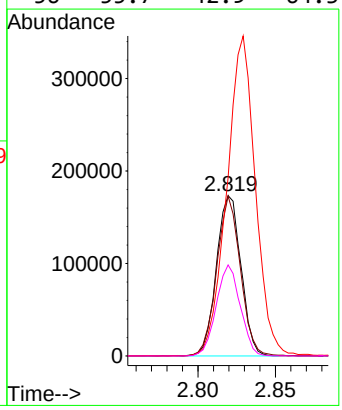
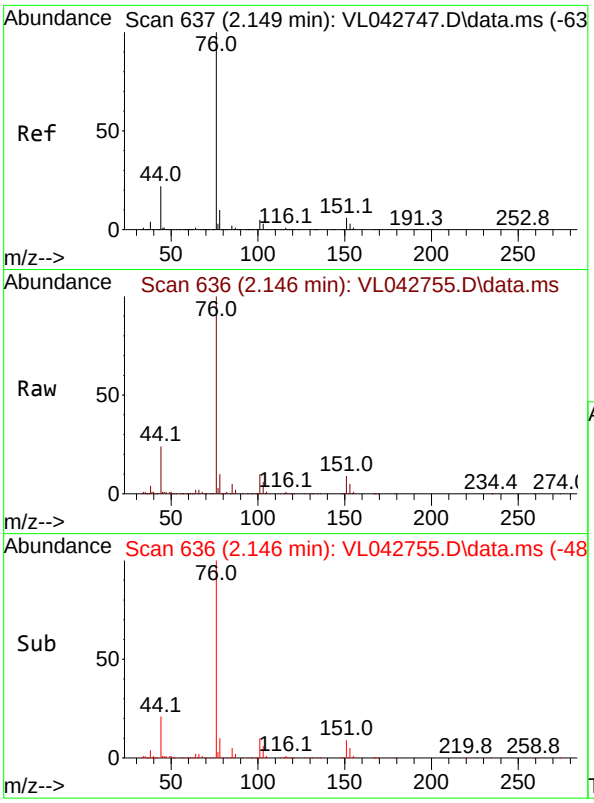


#26
Hexane
Concen: 9.597 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 190523

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.4	113.2
43	234.2	185.0	277.6
56	55.7	42.9	64.3

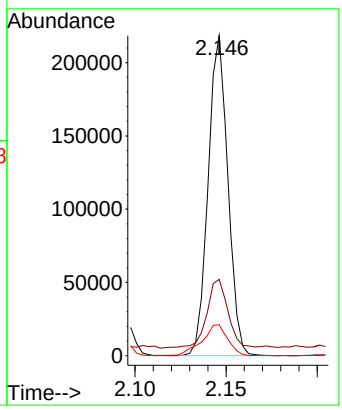




#27
Carbon Disulfide
Concen: 9.652 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 76 Resp: 16404

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.3	28.9
78	12.7	9.9	14.9



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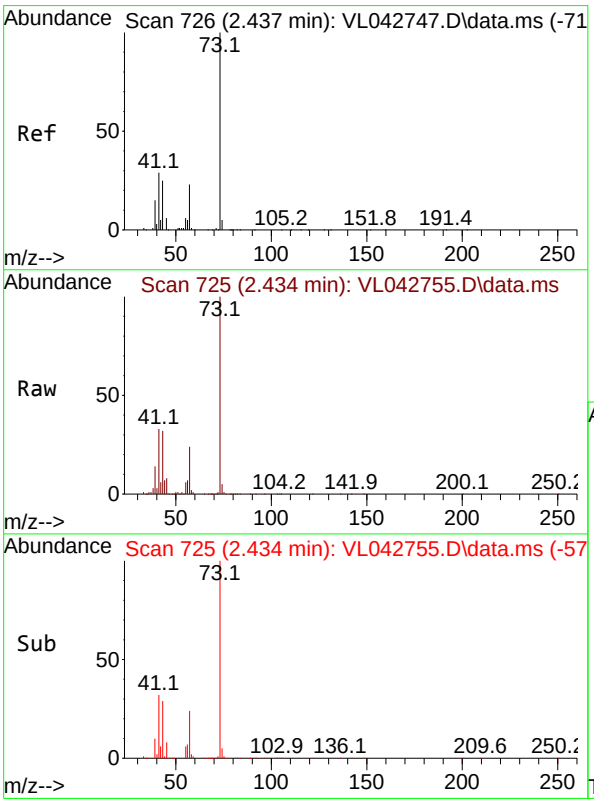
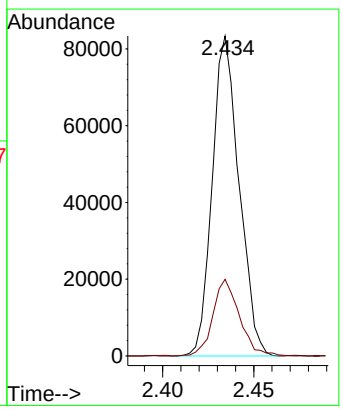
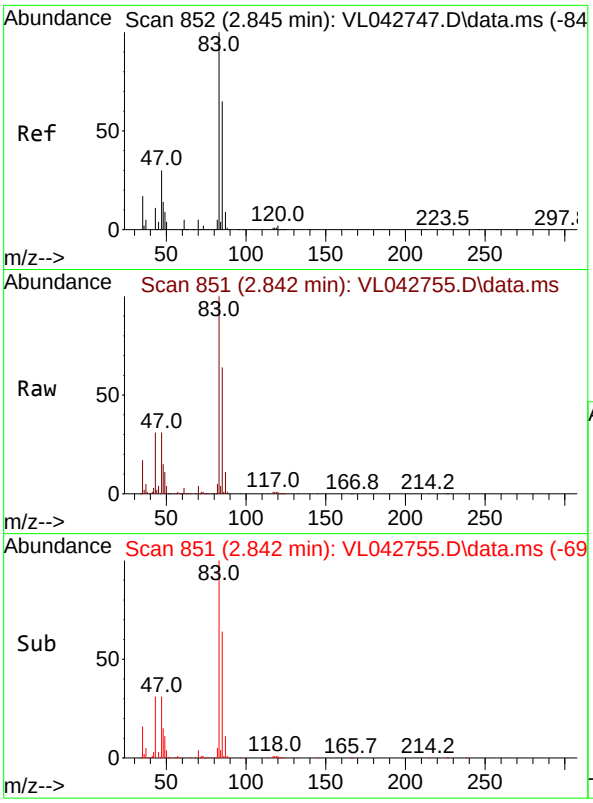


#28
Methyl tert-Butyl Ether
Concen: 9.114 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 73 Resp: 85480

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.8	29.8

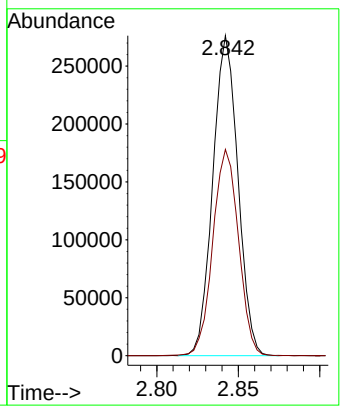




#29
Chloroform
Concen: 9.643 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 29580

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2



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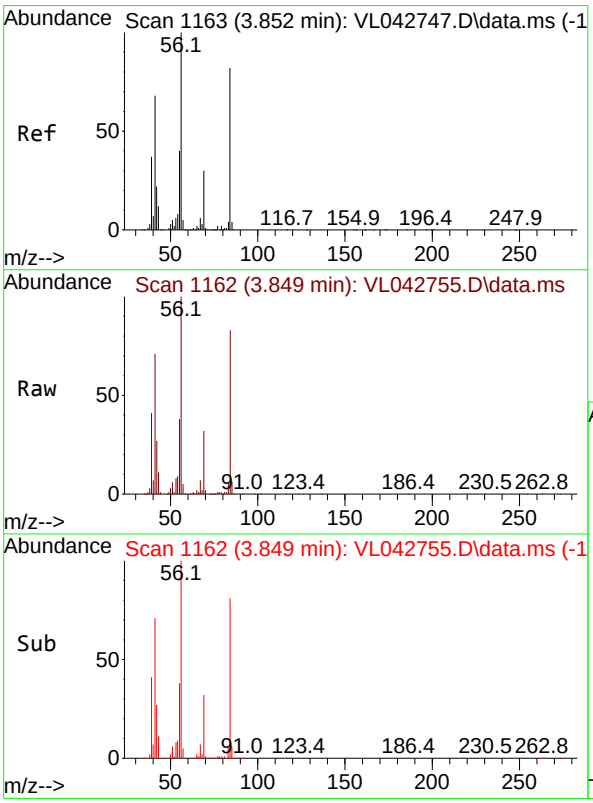
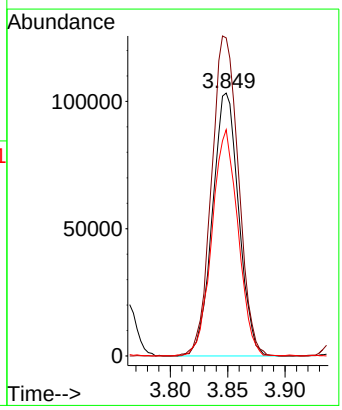
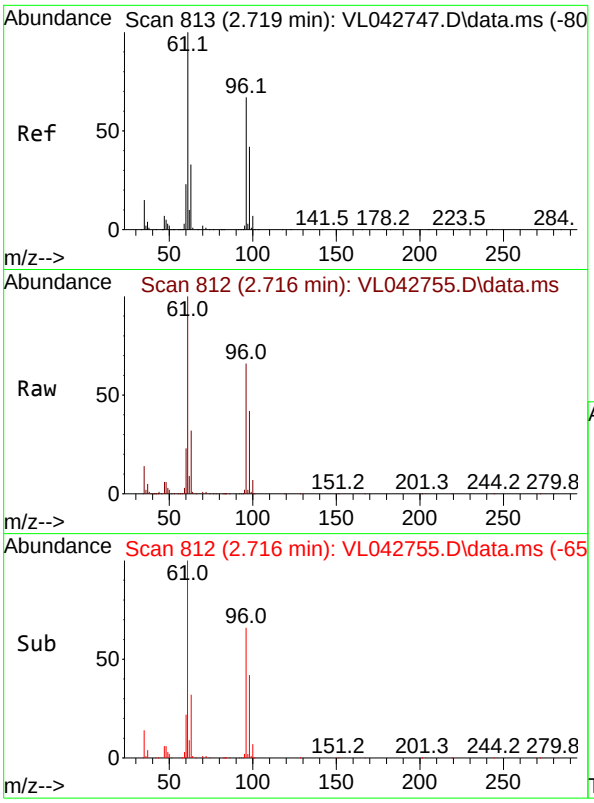


#30
Cyclohexane
Concen: 9.773 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 164554

Ion	Ratio	Lower	Upper
84	100		
56	124.9	97.5	146.3
41	85.5	67.2	100.8

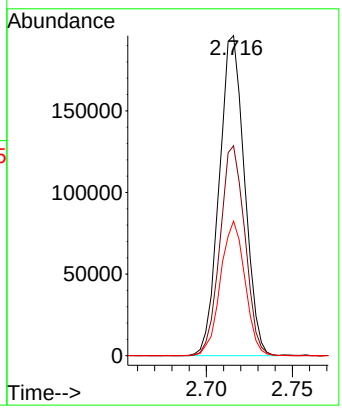




#31
cis-1,2-Dichloroethene
Concen: 9.802 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 61 Resp: 19997

Ion	Ratio	Lower	Upper
61	100		
96	65.6	53.5	80.3
98	42.1	33.6	50.4



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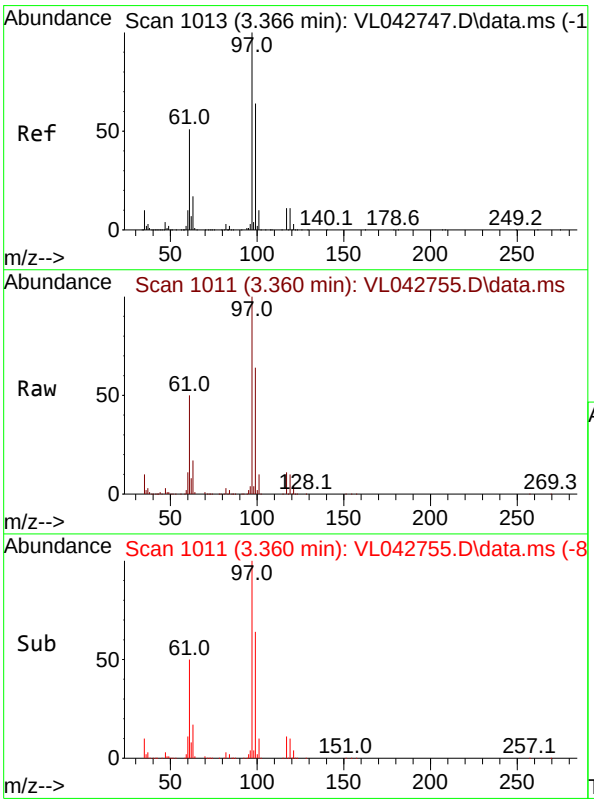
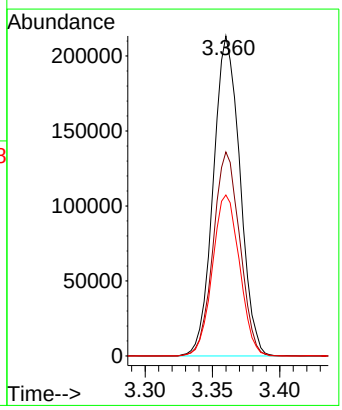
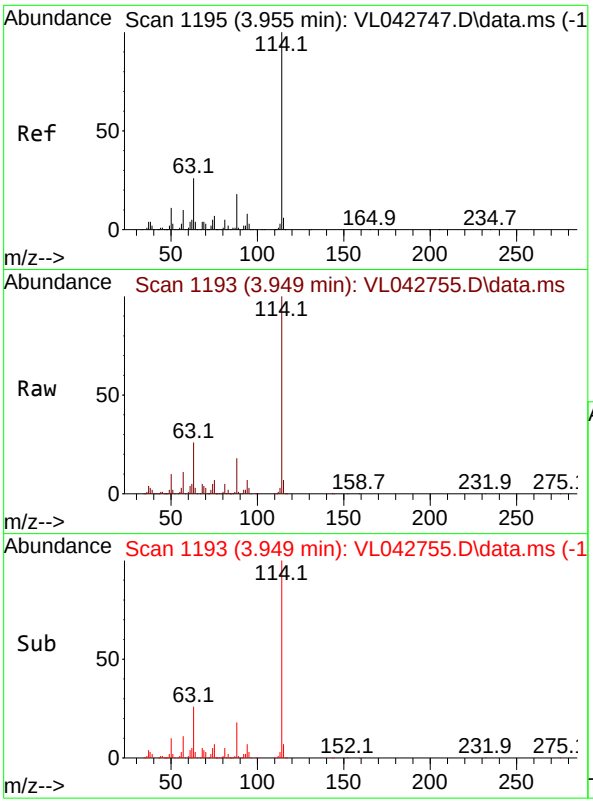


#32
1,1,1-Trichloroethane
Concen: 9.172 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 293074

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	51.4	40.9	61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:114 Resp: 42174

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.8	14.0	21.0

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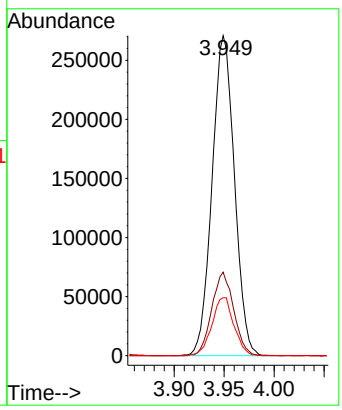
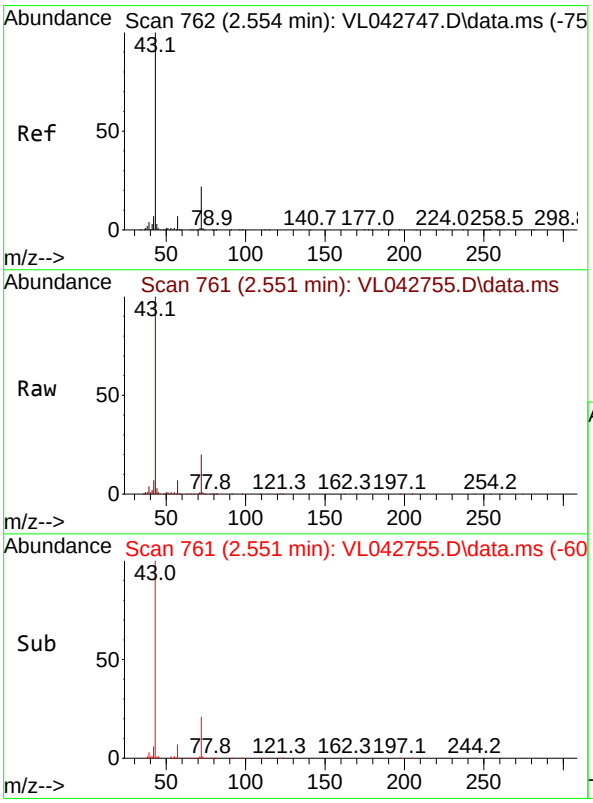
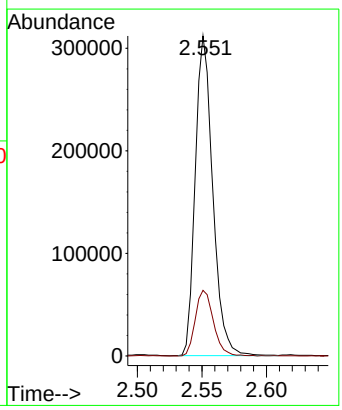


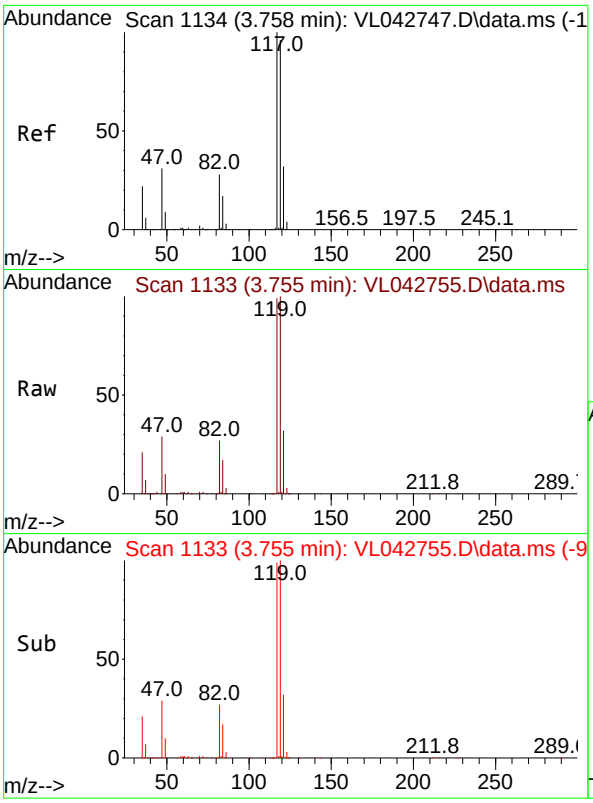


#34
2-Butanone
Concen: 9.869 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 294837

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.4	26.0

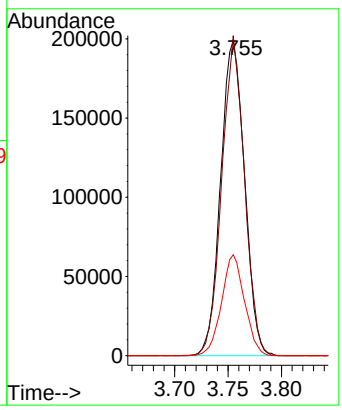




#35
Carbon Tetrachloride
Concen: 9.900 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:117 Resp: 31012

Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.1	115.7
121	32.0	25.5	38.3



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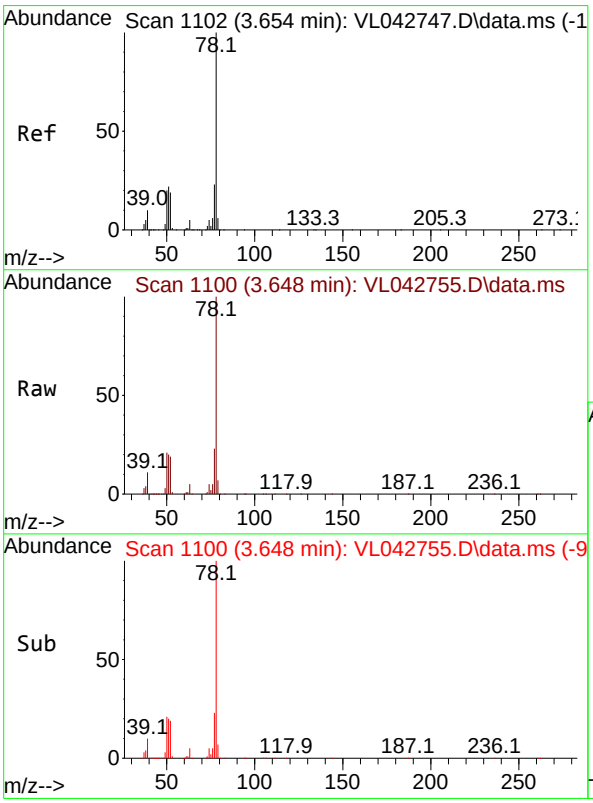
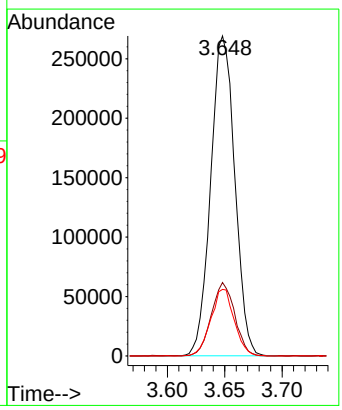
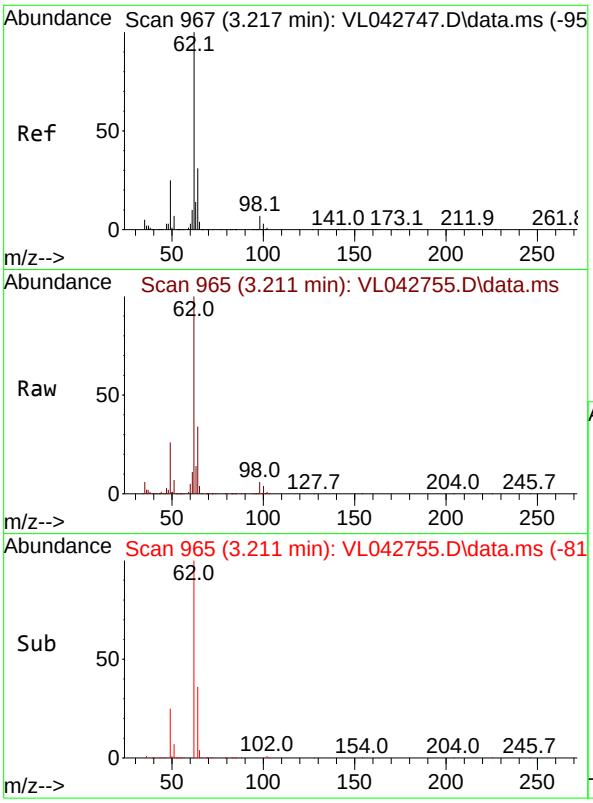


#36
Benzene
Concen: 9.834 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 78 Resp: 393085

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7
50	20.8	16.2	24.2

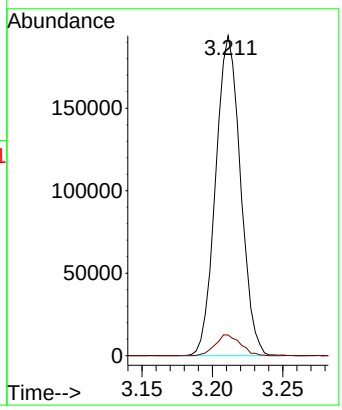




#37
1,2-Dichloroethane
Concen: 9.895 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 62 Resp: 23824

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
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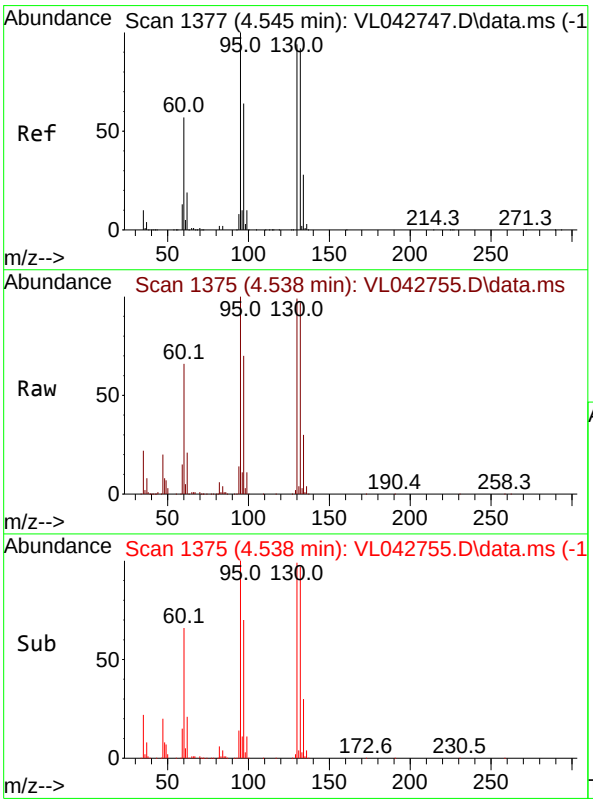
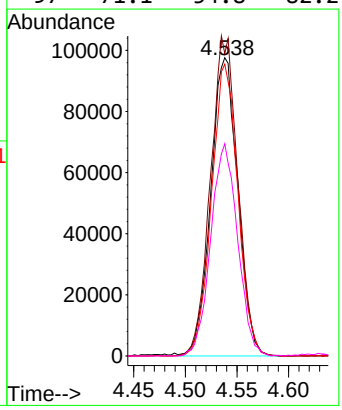
Supervised By :Mahesh Dadoda 07/24/2025

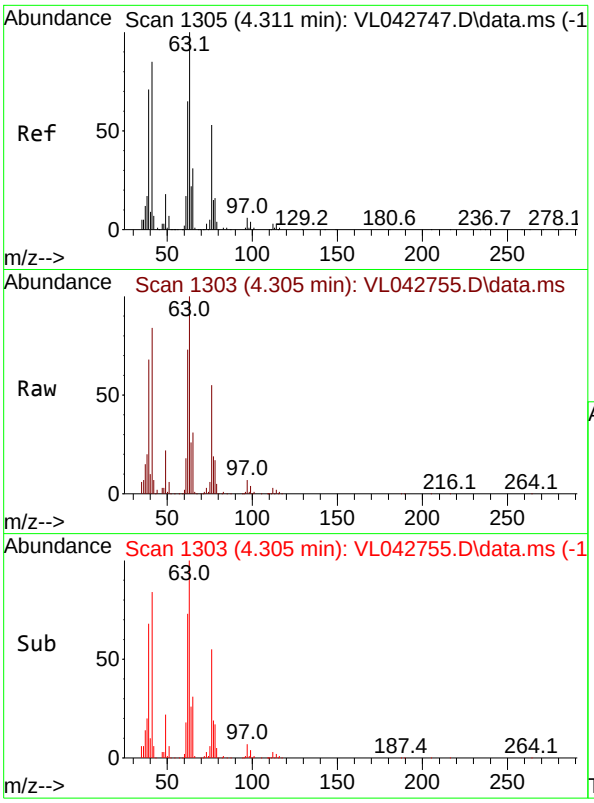


#38
Trichloroethene
Concen: 9.301 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:130 Resp: 178600

Ion	Ratio	Lower	Upper
130	100		
95	101.3	85.4	128.2
132	97.7	78.2	117.2
97	71.1	54.8	82.2

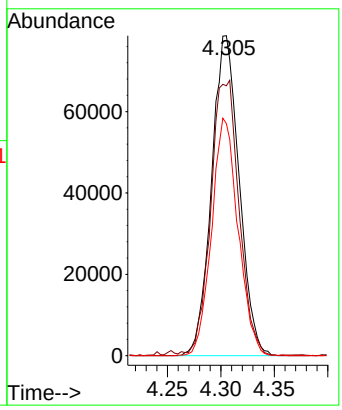




#39
1,2-Dichloropropane
Concen: 9.578 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 14131

Ion	Ratio	Lower	Upper
63	100		
41	84.3	68.2	102.4
62	72.5	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
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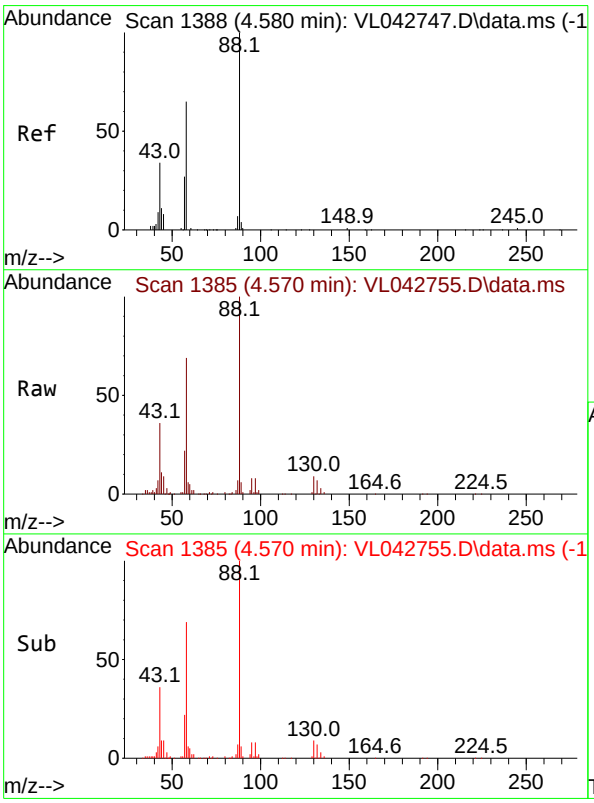
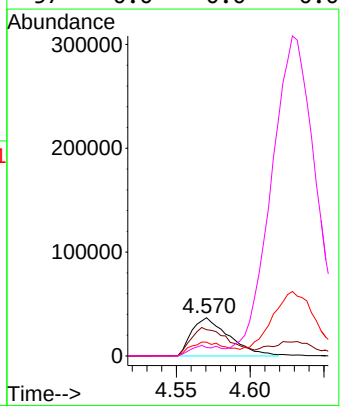
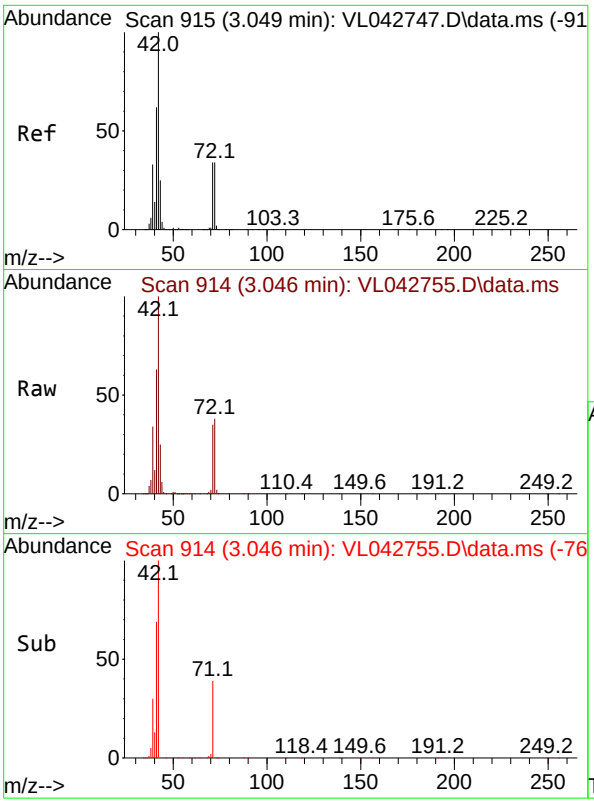


#40
1,4-Dioxane
Concen: 9.481 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 88 Resp: 65204

Ion	Ratio	Lower	Upper
88	100		
58	78.4	58.8	88.2
43	32.6	28.9	43.3
57	0.0	0.0	0.0

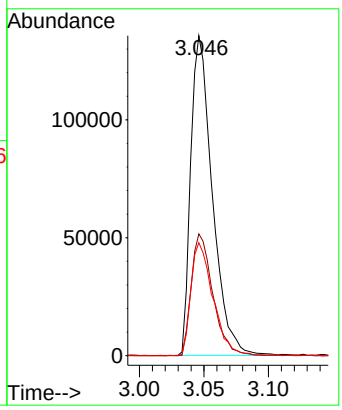




#41
Tetrahydrofuran
Concen: 10.404 ppbv
RT: 3.046 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 42 Resp: 15815

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.9	46.3
71	36.2	28.6	43.0



Instrument :
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ClientSampleId :
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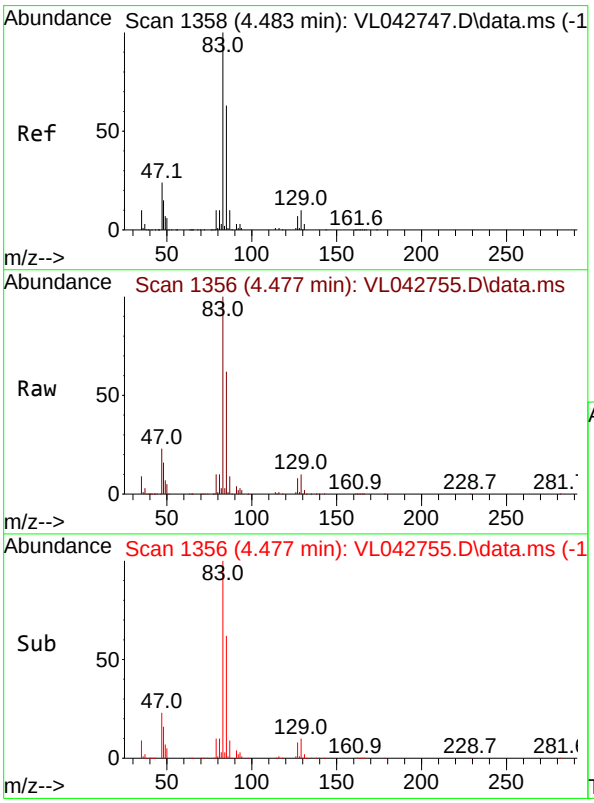
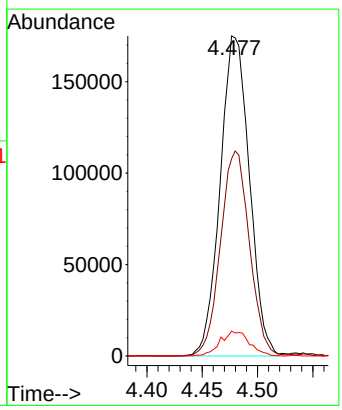
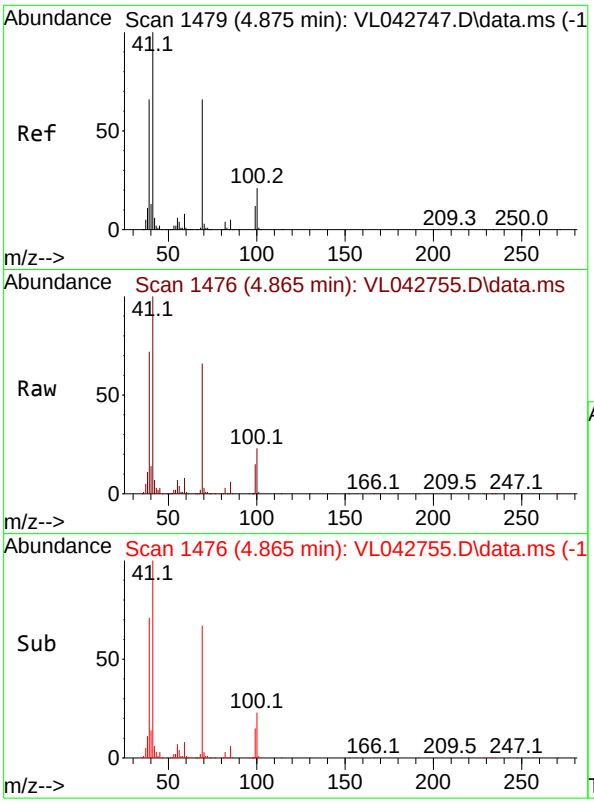


#42
Bromodichloromethane
Concen: 10.254 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 321549

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4
127	7.7	5.4	8.2

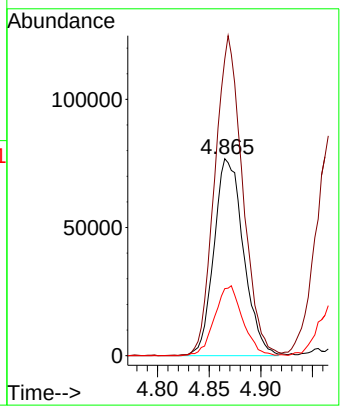




#43
Methyl Methacrylate
Concen: 10.738 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 69 Resp: 15255

Ion	Ratio	Lower	Upper
69	100		
41	153.9	125.7	188.5
100	33.9	28.6	42.8



Instrument :
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ClientSampleId :
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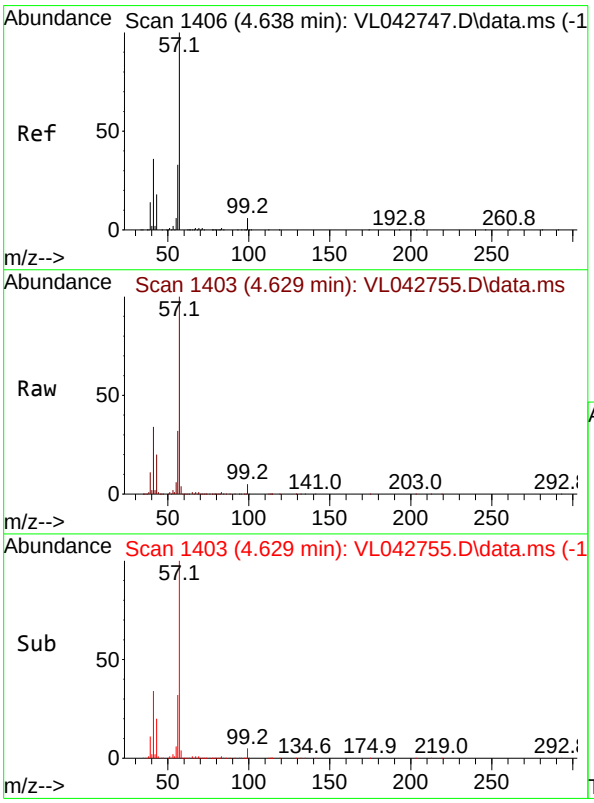
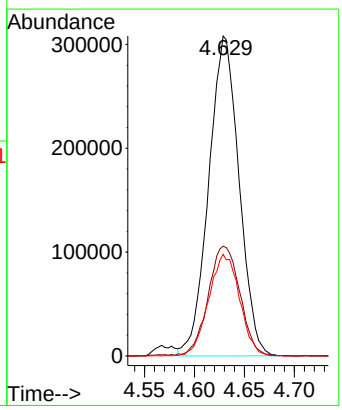
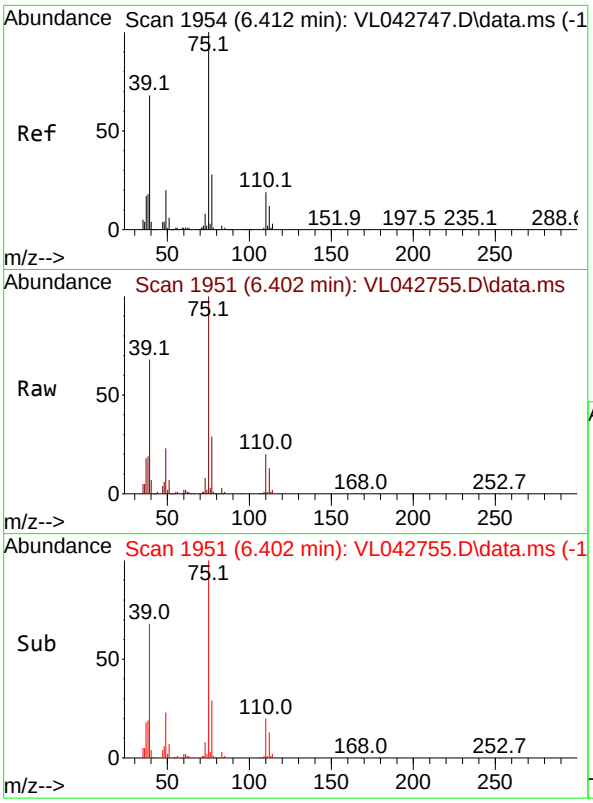


#44
2,2,4-Trimethylpentane
Concen: 9.973 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 649720

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.3	42.5
56	32.4	25.8	38.6

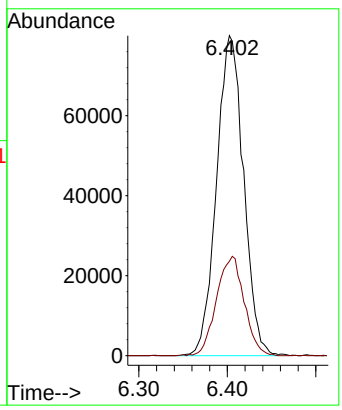




#45
t-1,3-Dichloropropene
Concen: 10.643 ppbv
RT: 6.402 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 16956

Ion	Ratio	Lower	Upper
75	100		
77	29.5	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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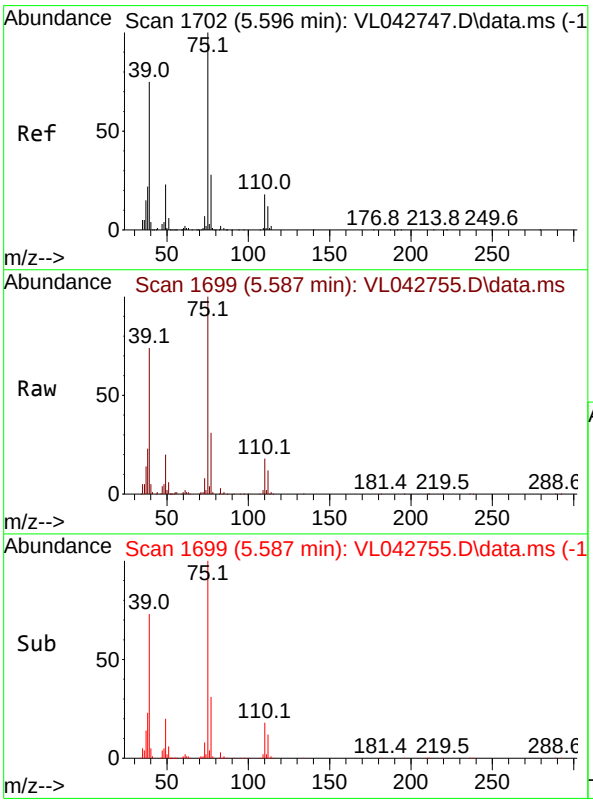
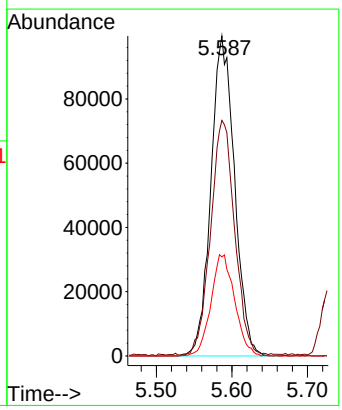
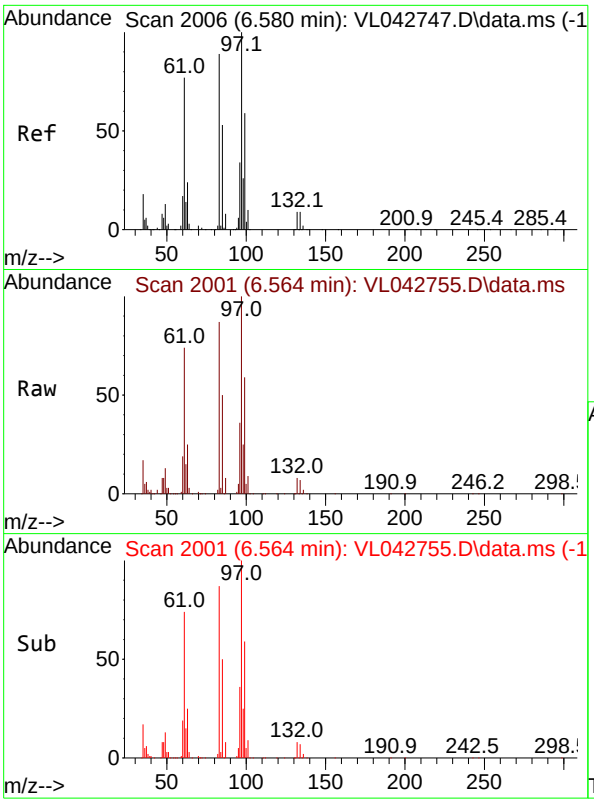


#46
cis-1,3-Dichloropropene
Concen: 10.679 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 215596

Ion	Ratio	Lower	Upper
75	100		
39	73.3	60.2	90.2
77	30.9	22.6	34.0

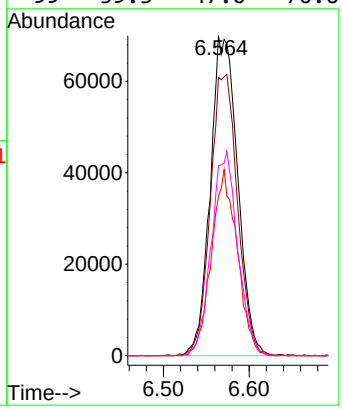




#47
1,1,2-Trichloroethane
Concen: 9.848 ppbv m
RT: 6.564 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 15488

Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.1	106.7
85	49.8	43.0	64.4
99	59.3	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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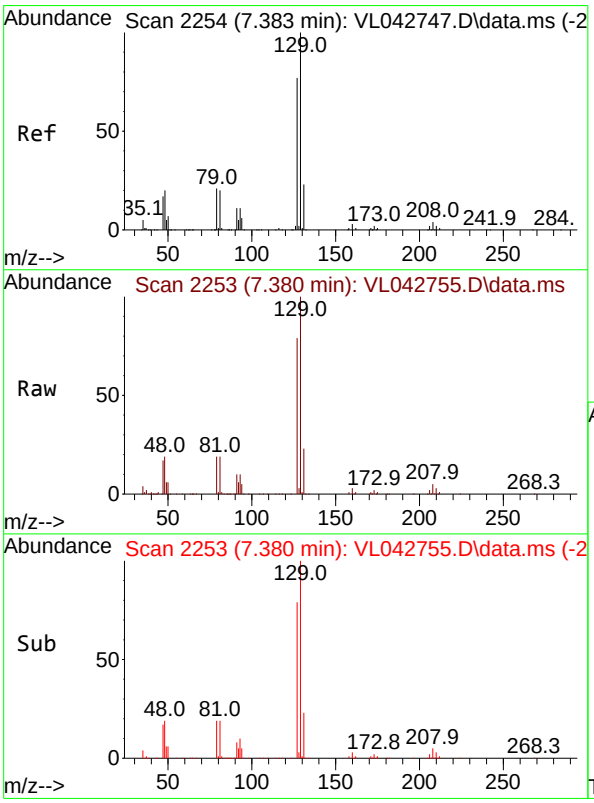
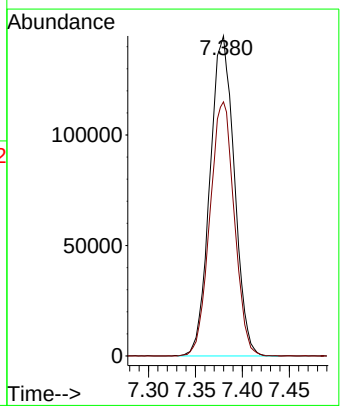
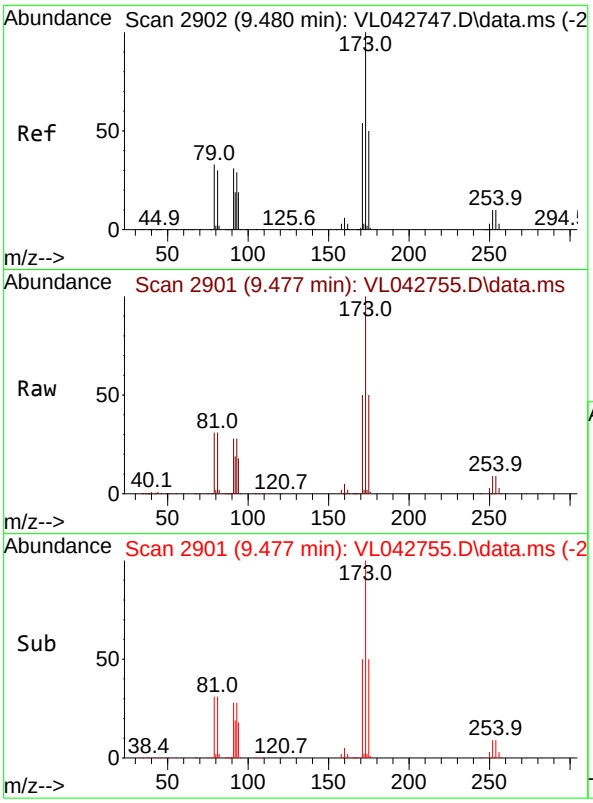


#48
Dibromochloromethane
Concen: 10.460 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:129 Resp: 261174

Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.7	116.1

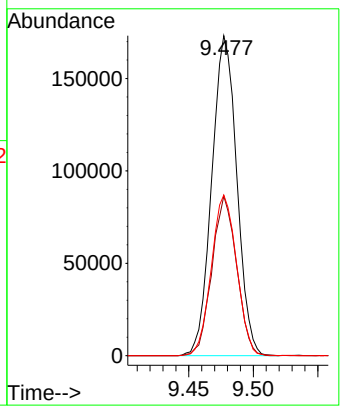




#49
Bromoform
Concen: 10.729 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:173 Resp: 23357

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.4	57.6
171	50.7	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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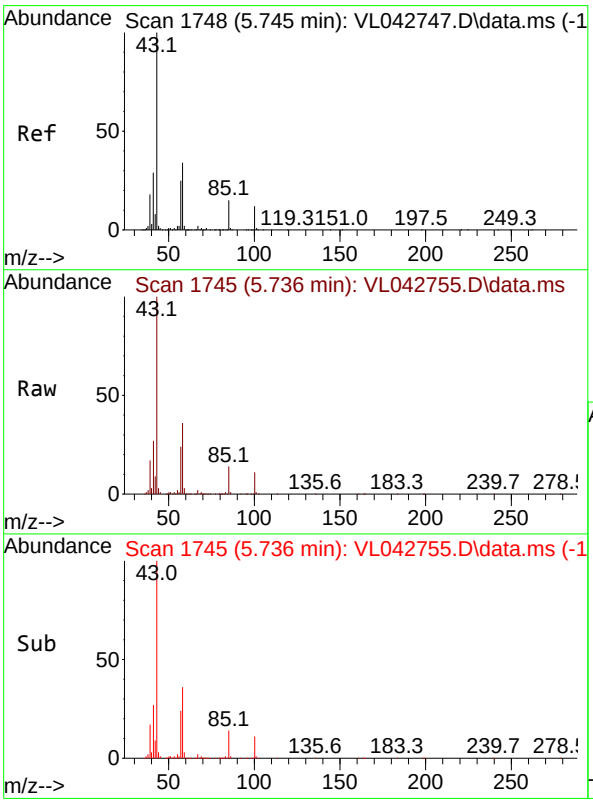
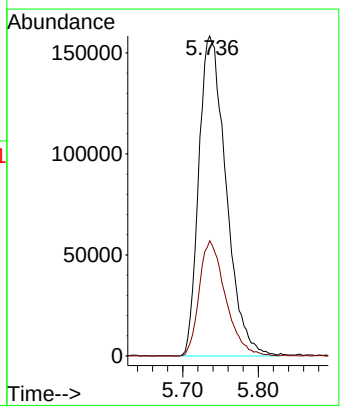
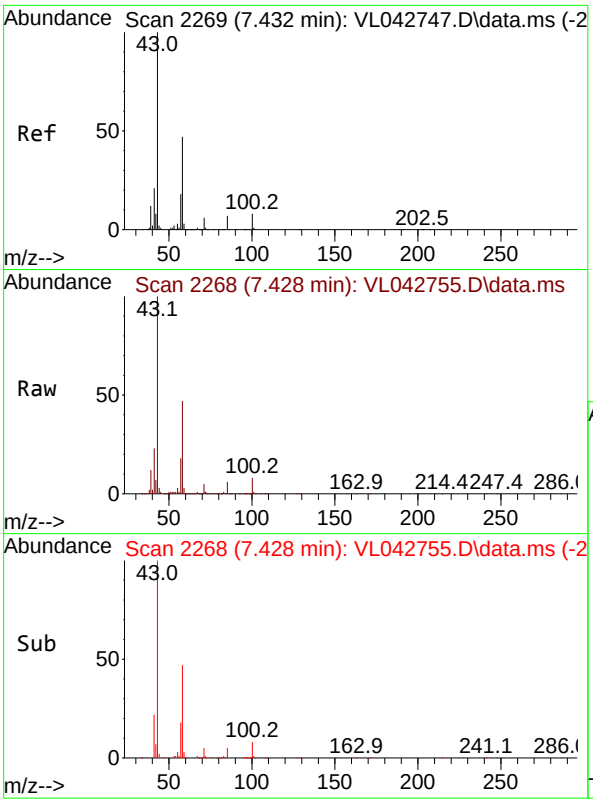


#50
4-Methyl-2-Pentanone
Concen: 10.303 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 396506

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8





#51
2-Hexanone
Concen: 11.029 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 32074

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.0	57.0
98	0.5	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
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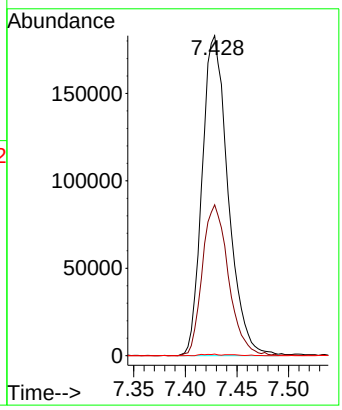
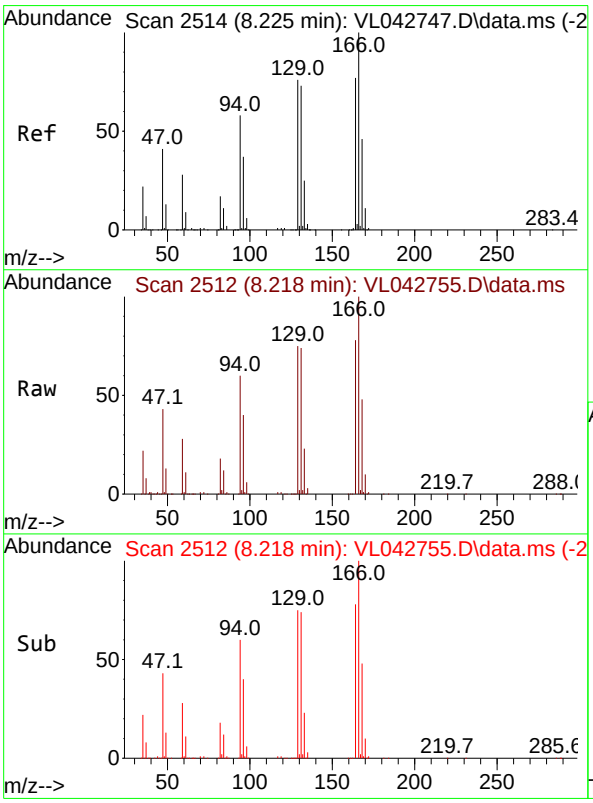
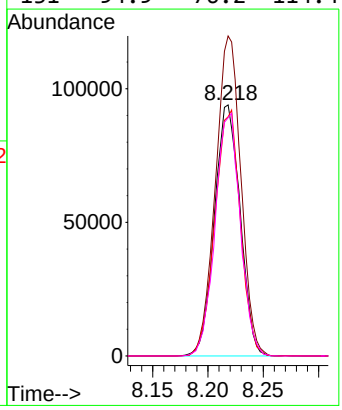


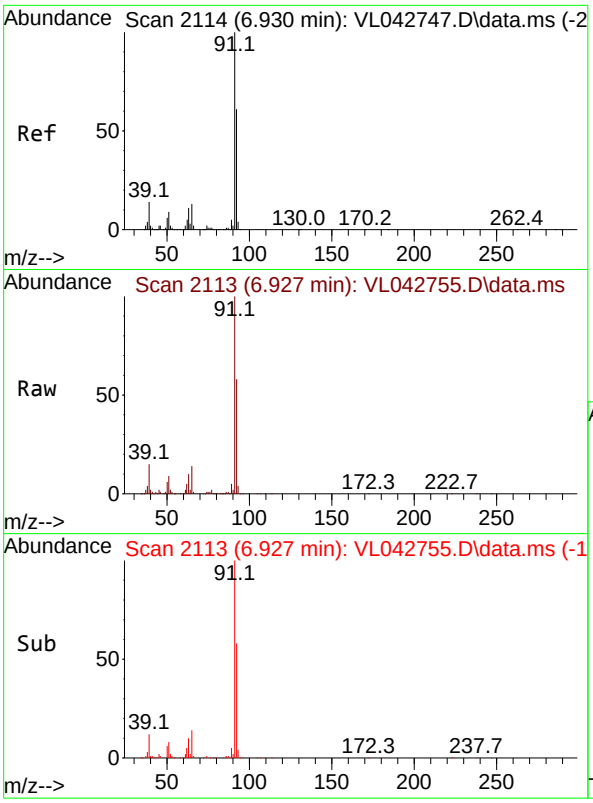


#52
Tetrachloroethene
Concen: 9.163 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:164 Resp: 151810

Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.0	156.0
129	95.3	79.2	118.8
131	94.9	76.2	114.4

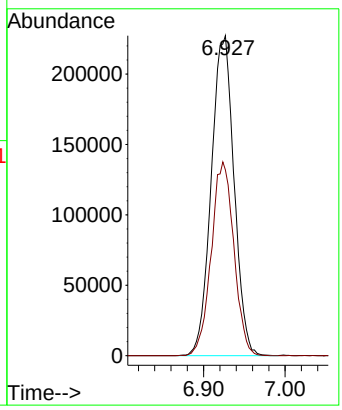




#53
Toluene
Concen: 10.294 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 44182

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
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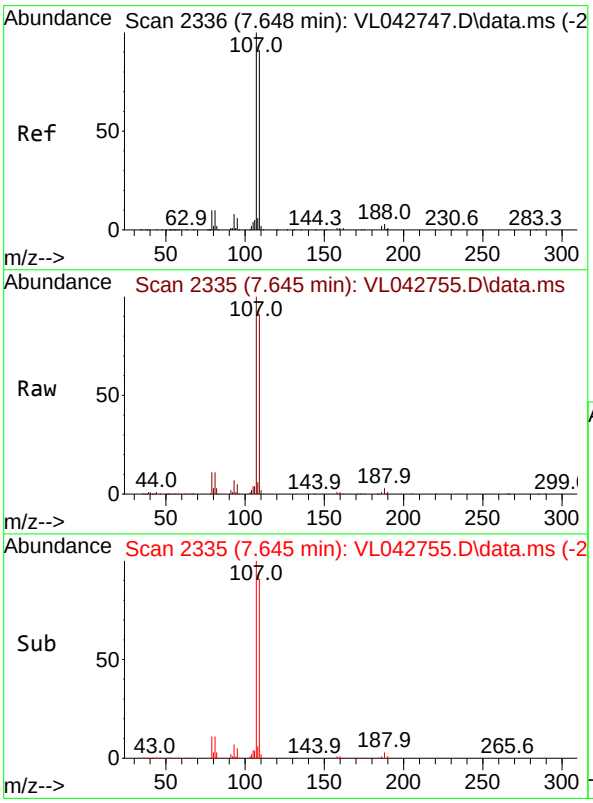
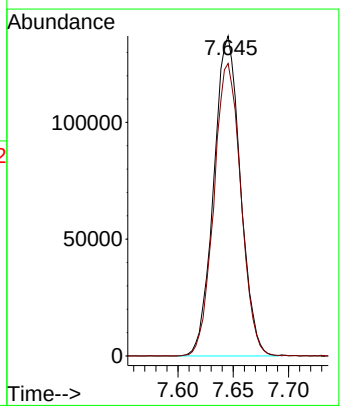
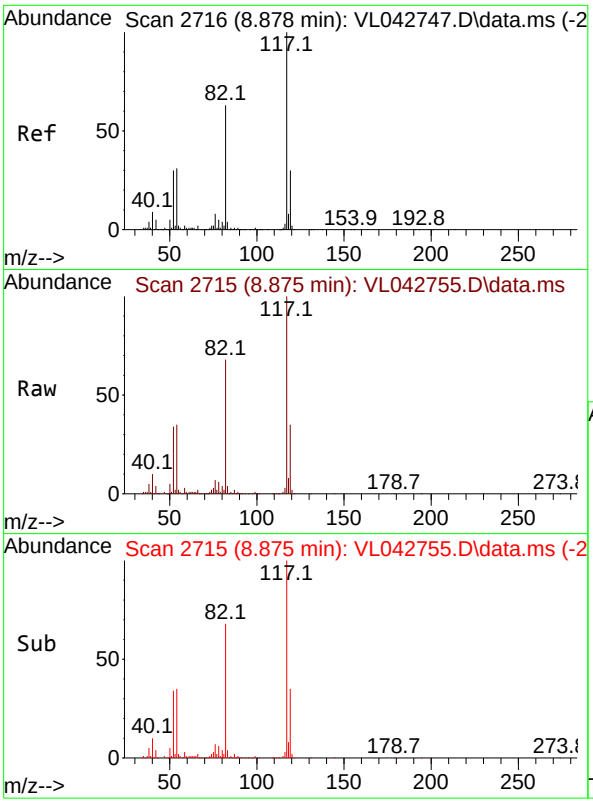


#54
1,2-Dibromoethane
Concen: 10.331 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:107 Resp: 229563

Ion	Ratio	Lower	Upper
107	100		
109	91.3	72.7	109.1

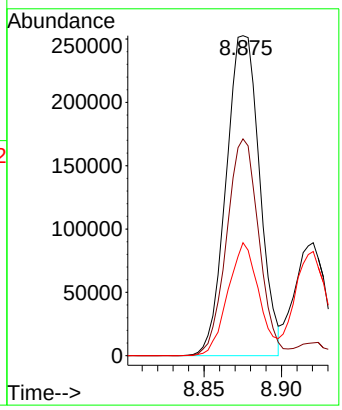




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:117 Resp: 38053

Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.3	79.9
119	33.0	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
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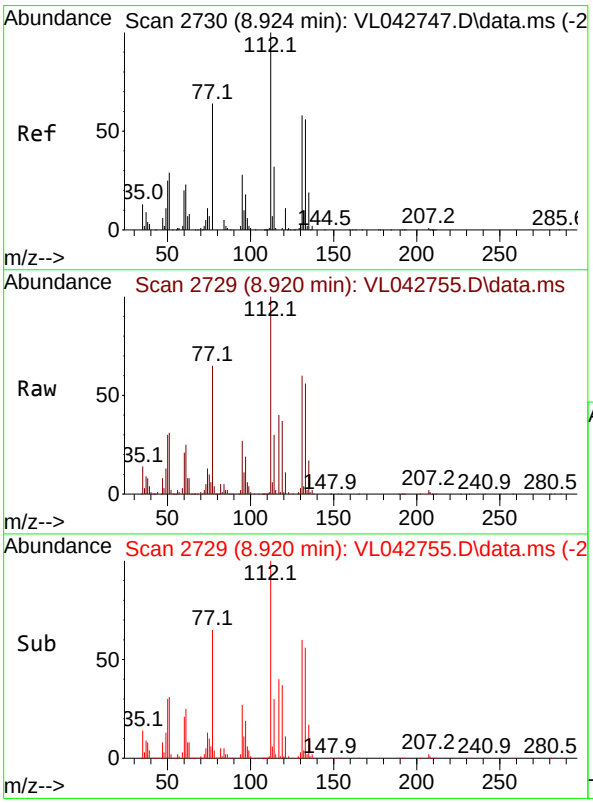
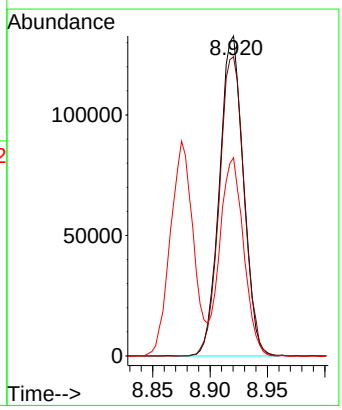
Supervised By :Mahesh Dadoda 07/24/2025

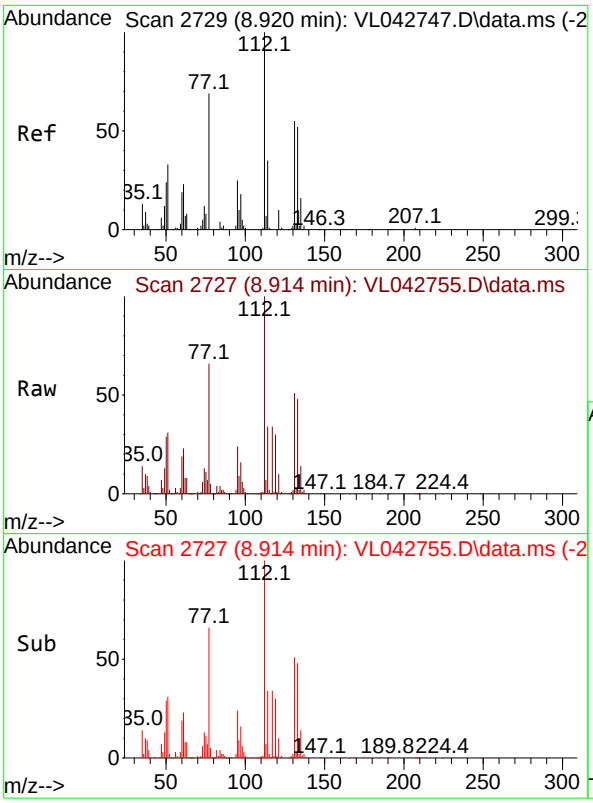


#56
1,1,1,2-Tetrachloroethane
Concen: 9.759 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:131 Resp: 193089

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.8	115.2
119	61.2	49.7	74.5





#57
Chlorobenzene
Concen: 9.623 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:112 Resp: 35441

Ion	Ratio	Lower	Upper
112	100		
77	66.4	56.4	84.6
114	34.0	31.2	38.2

Instrument :
MSVOA_L
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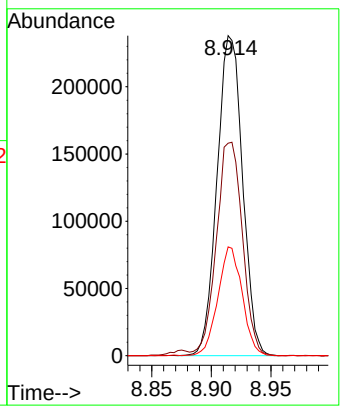
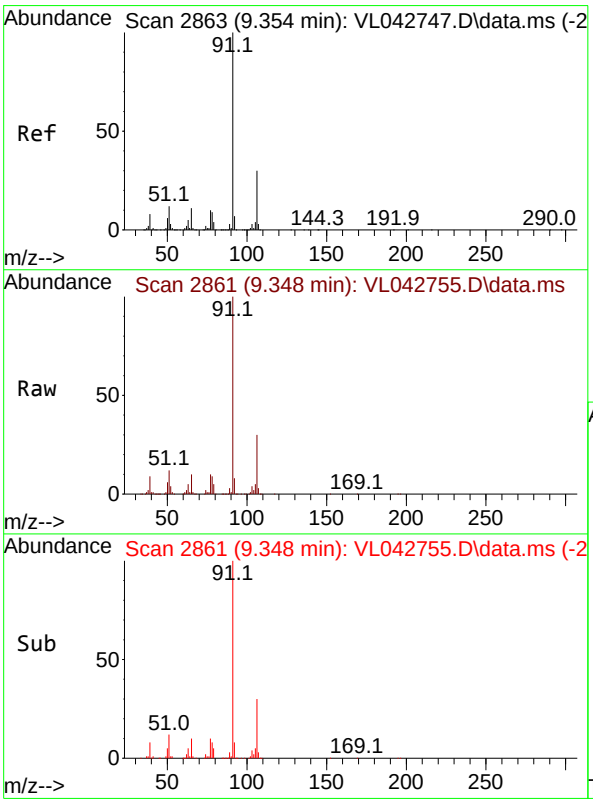
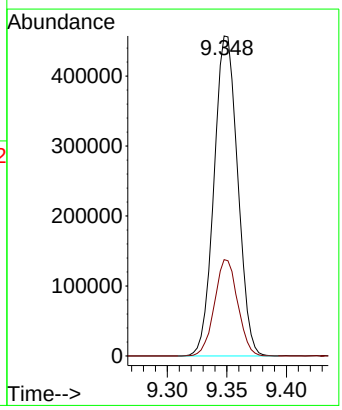


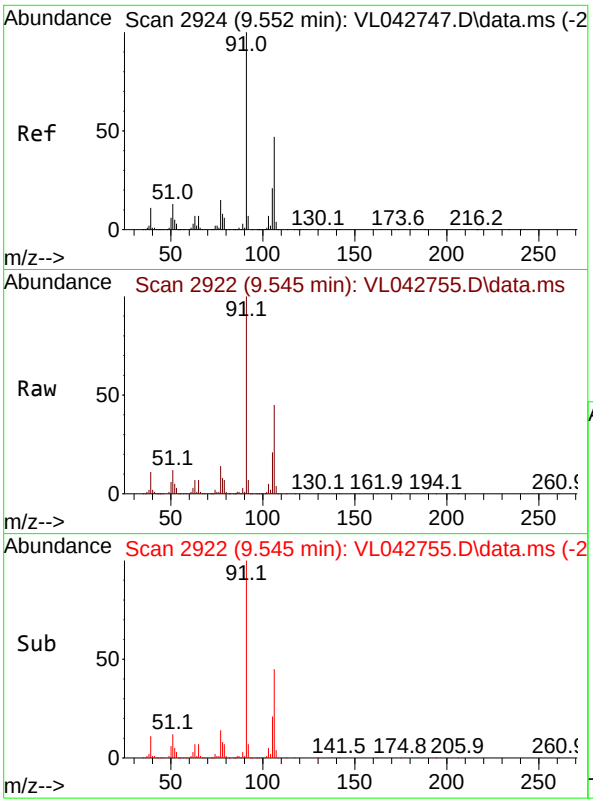


#58
Ethyl Benzene
Concen: 10.504 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 631247

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6

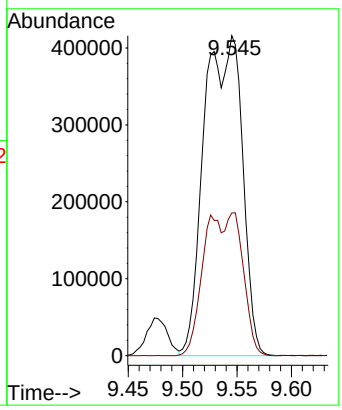




#59
m/p-Xylene
Concen: 21.160 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 101624

Ion	Ratio	Lower	Upper
91	100		
106	45.4	37.4	56.2



Instrument :
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ClientSampleId :
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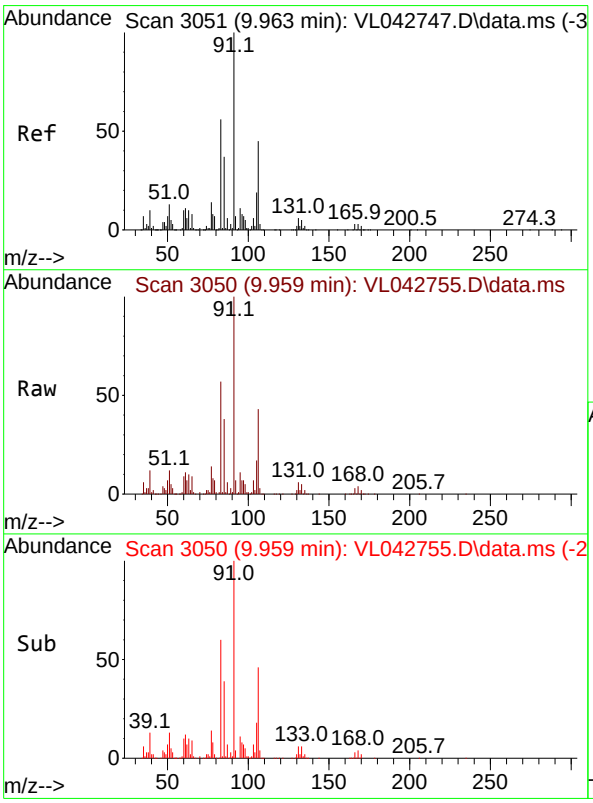
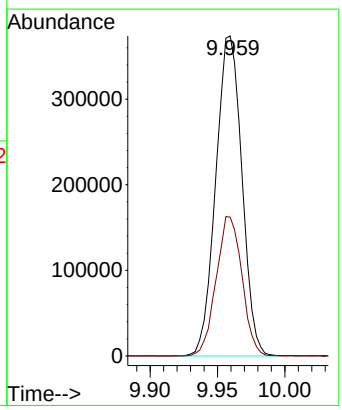
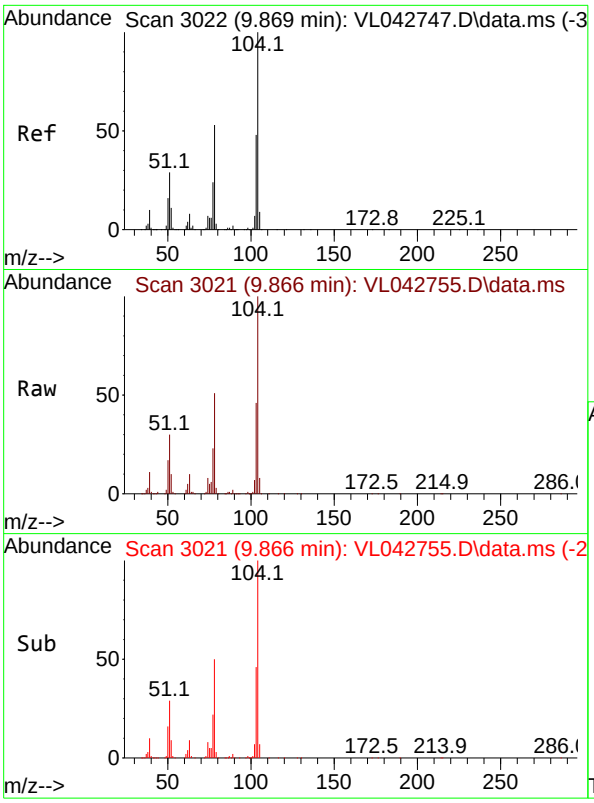


#60
o-Xylene
Concen: 10.499 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 503849

Ion	Ratio	Lower	Upper
91	100		
106	43.1	22.0	66.0

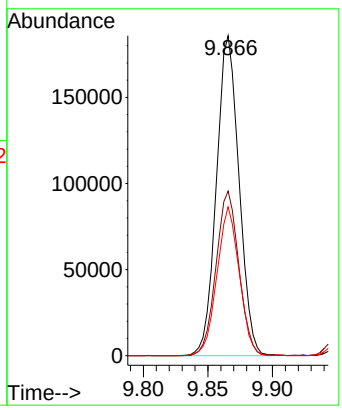




#61
Styrene
Concen: 11.185 ppbv
RT: 9.866 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:104 Resp: 225799

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.0	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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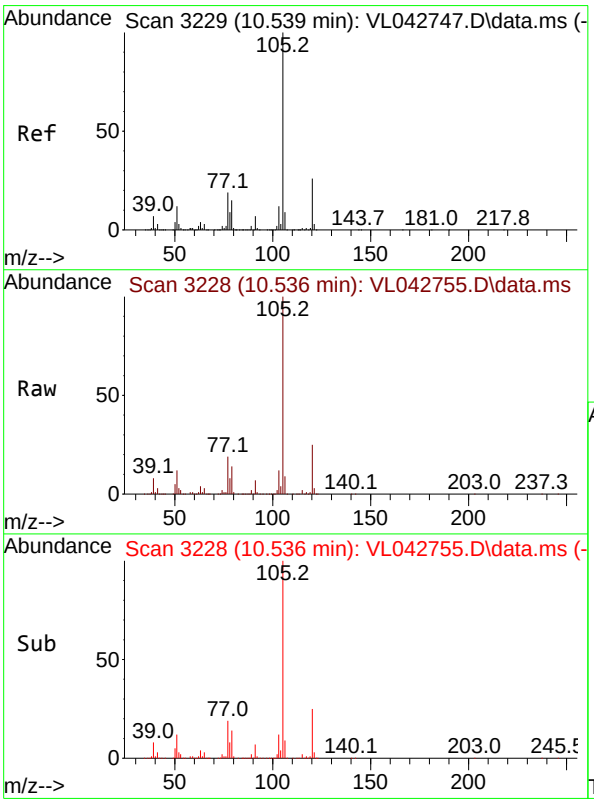
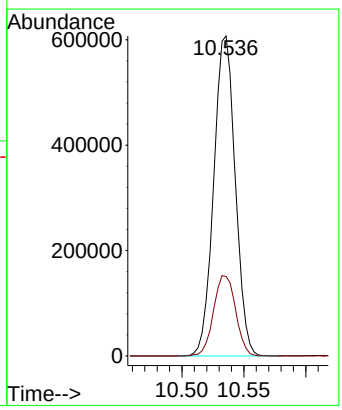
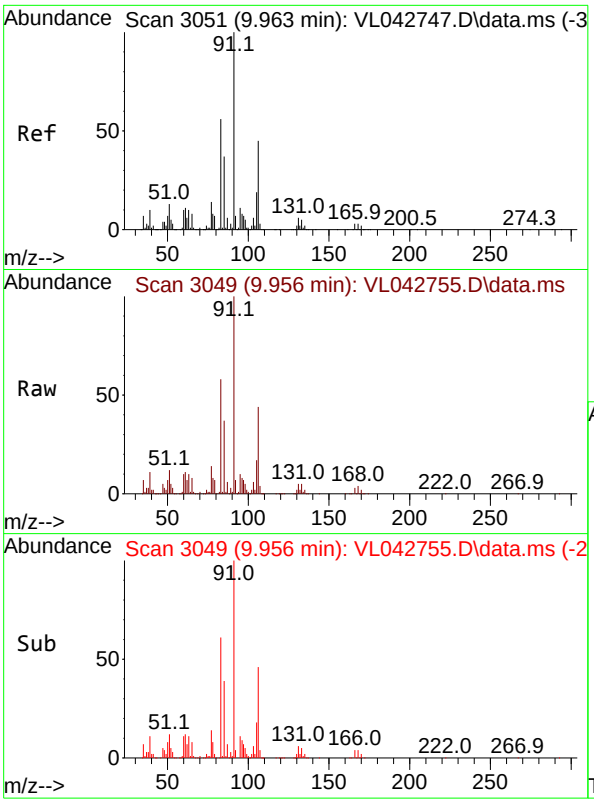


#62
Isopropylbenzene
Concen: 10.398 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 736044

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7

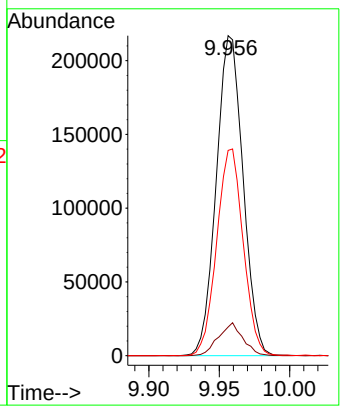




#63
1,1,2,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 28777

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	15.0
85	64.0	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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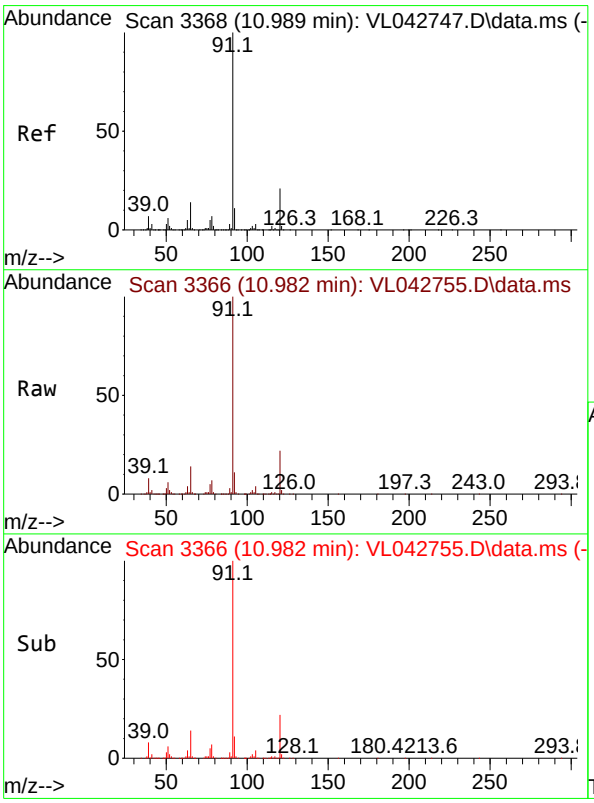
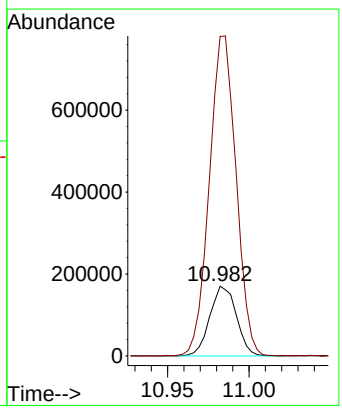
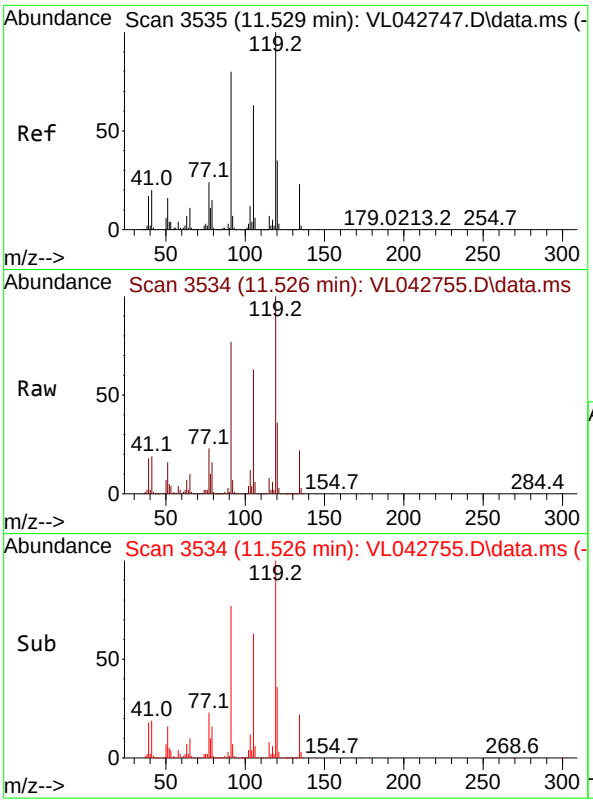


#64
n-propylbenzene
Concen: 10.460 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:120 Resp: 193034

Ion	Ratio	Lower	Upper
120	100		
91	461.7	372.7	559.1

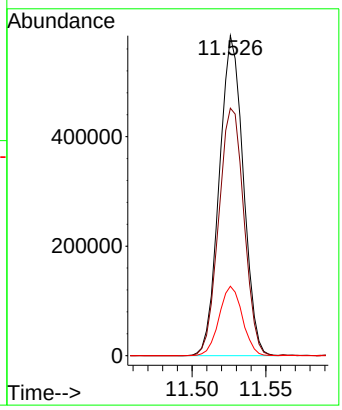




#65
tert-Butylbenzene
Concen: 10.512 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:119 Resp: 66096

Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.0	96.0
134	21.1	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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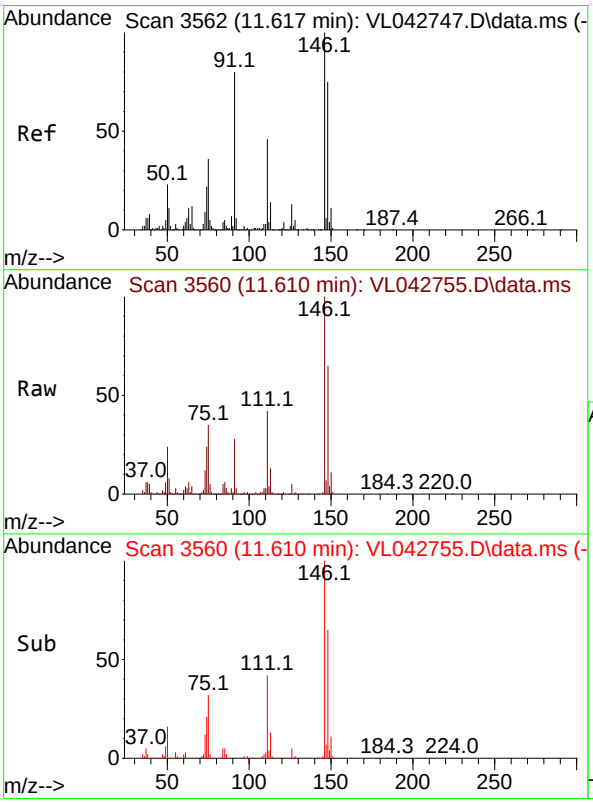
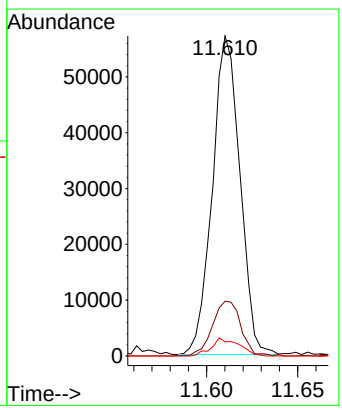
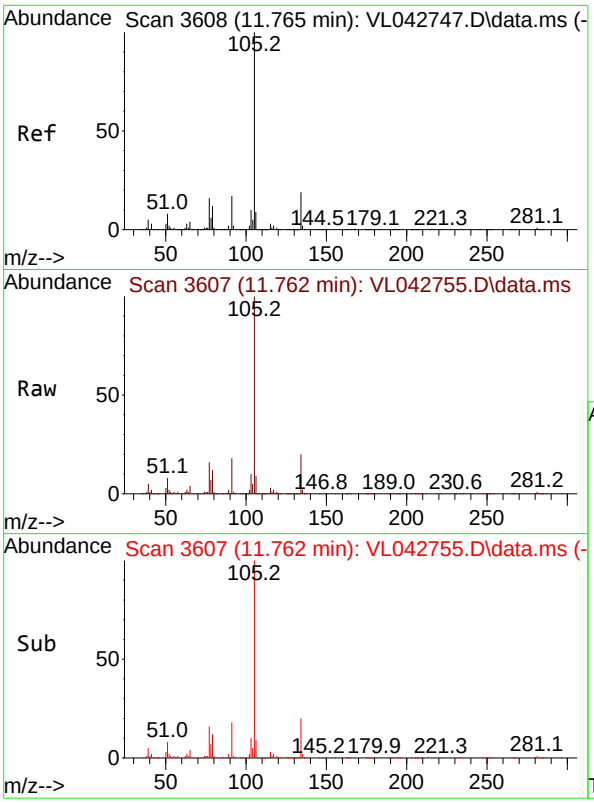


#66
Benzyl Chloride
Concen: 11.634 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 60055

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.4	21.6
128	5.6	5.2	7.8

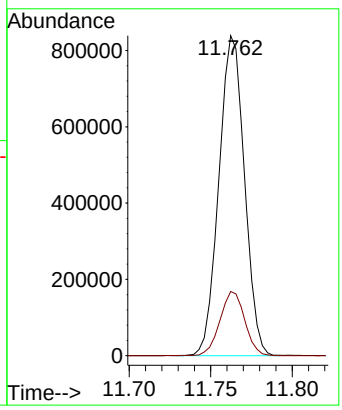




#67
sec-Butylbenzene
Concen: 10.221 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 91404

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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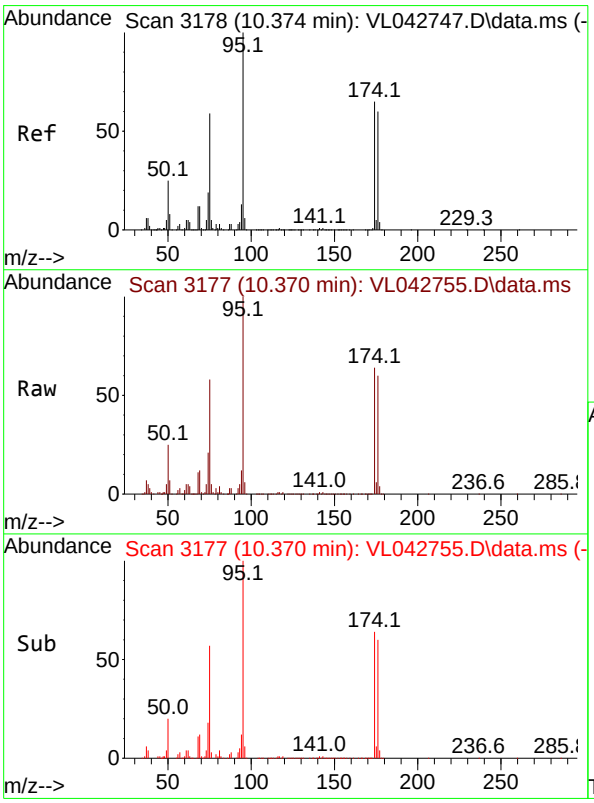
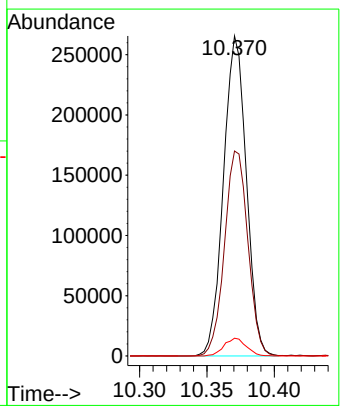
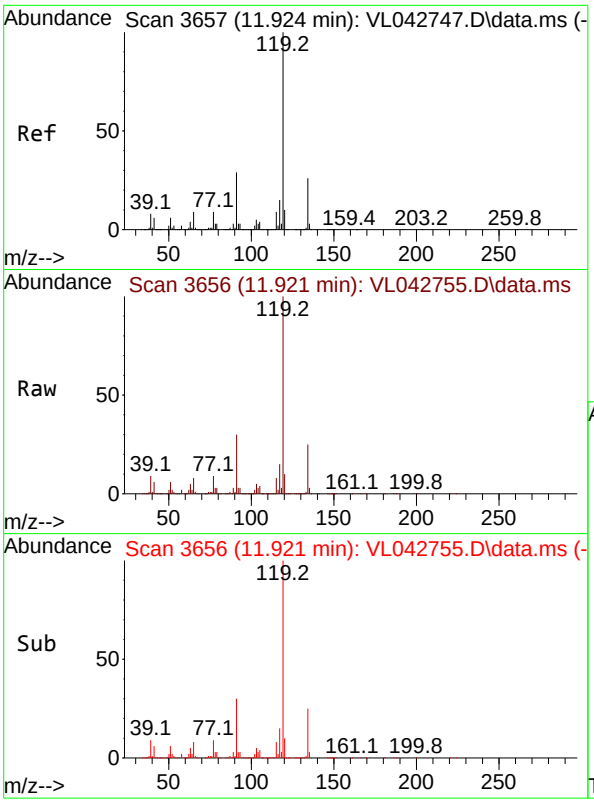


#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 95 Resp: 313324

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.4	4.0	6.0

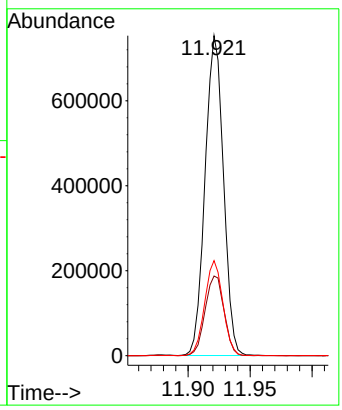




#69
p-Isopropyltoluene
Concen: 10.677 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:119 Resp: 77860

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.5	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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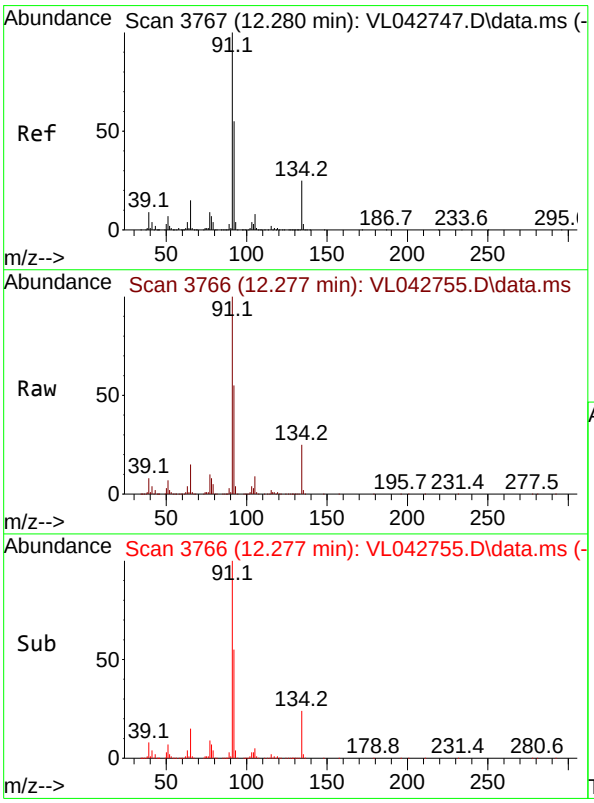
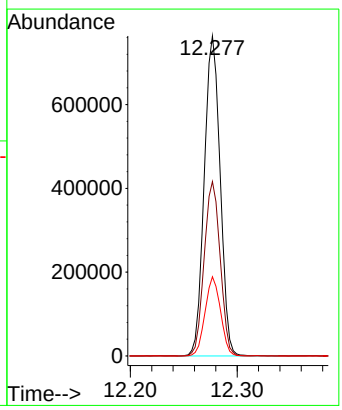
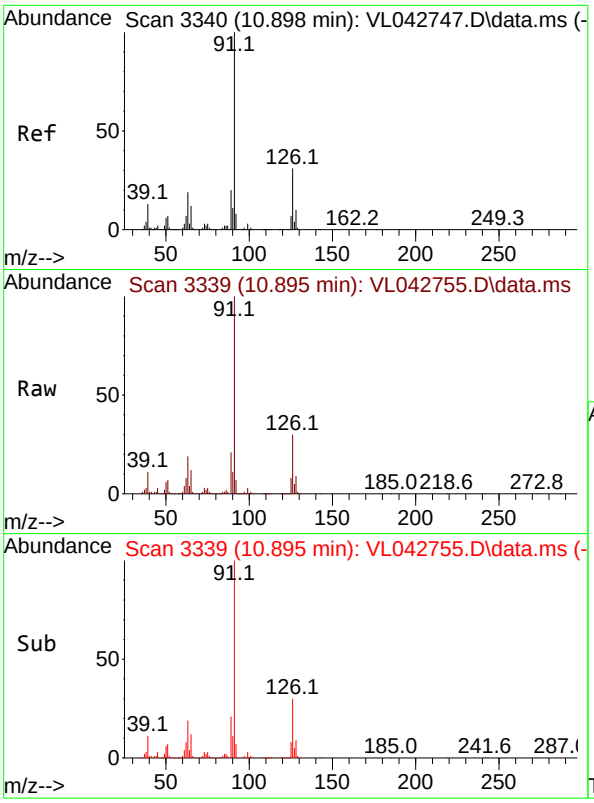


#70
n-Butylbenzene
Concen: 11.197 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 788734

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.4	65.2
134	24.1	19.6	29.4

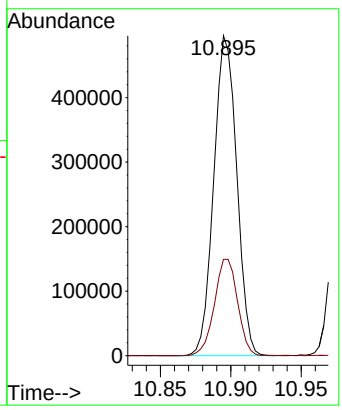




#71
2-Chlorotoluene
Concen: 10.376 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 56319

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

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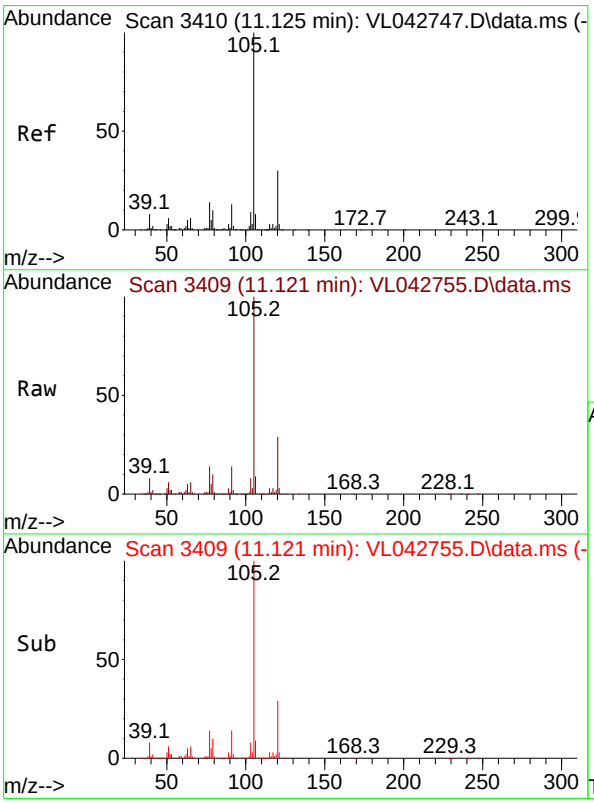
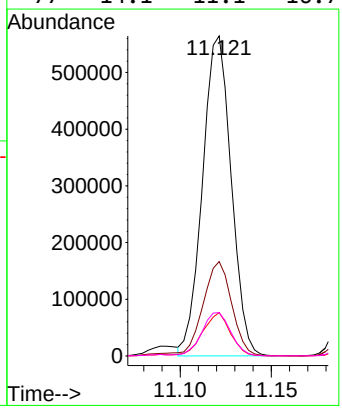
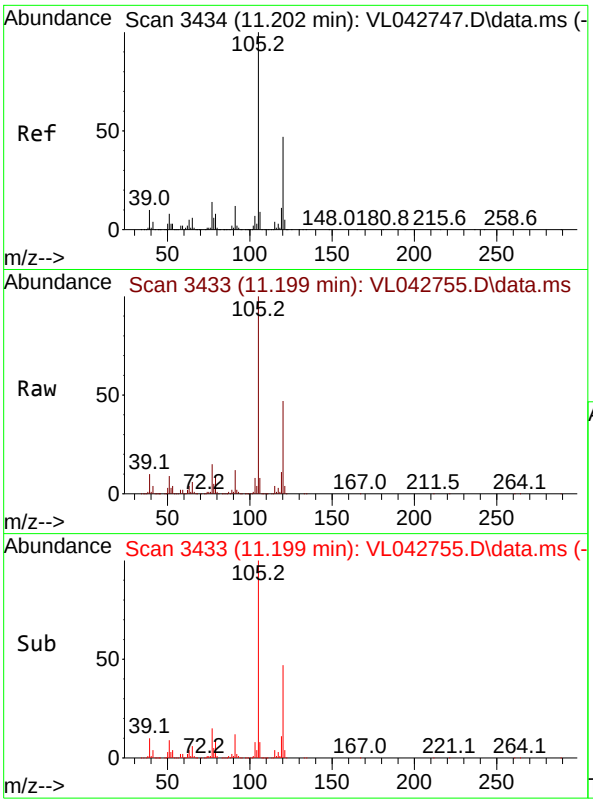


#72
4-Ethyltoluene
Concen: 10.772 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 617355

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	13.4	10.6	15.8
77	14.1	11.1	16.7

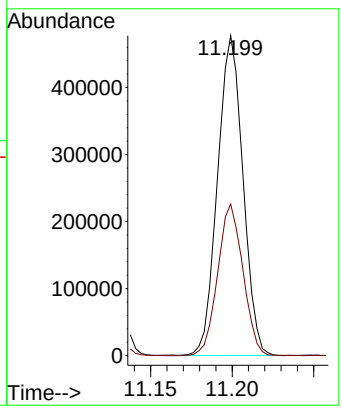




#73
1,3,5-Trimethylbenzene
Concen: 10.951 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 51673

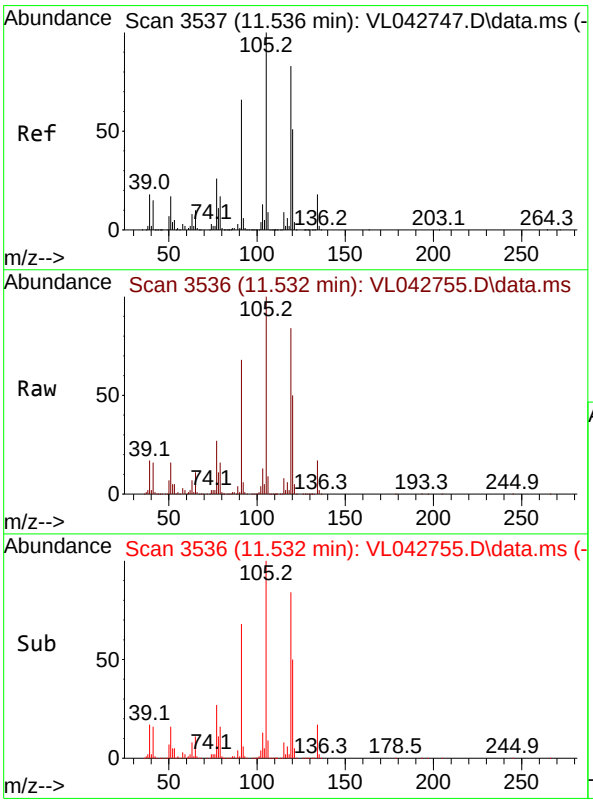
Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

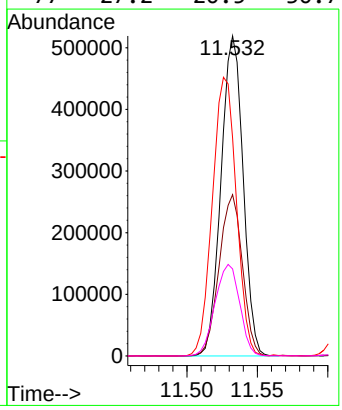
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

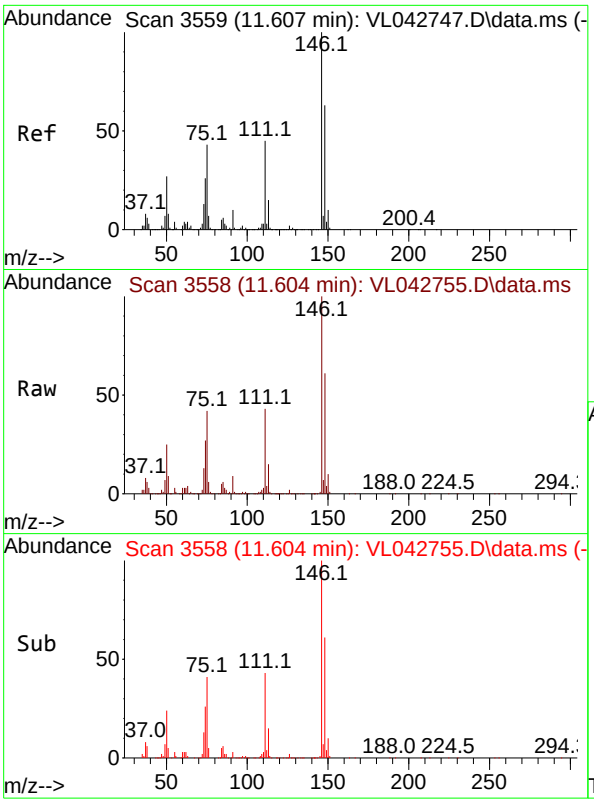


#74
1,2,4-Trimethylbenzene
Concen: 11.017 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 567186

Ion	Ratio	Lower	Upper
105	100		
120	50.4	40.8	61.2
91	68.1	53.0	79.4
77	27.2	20.5	30.7

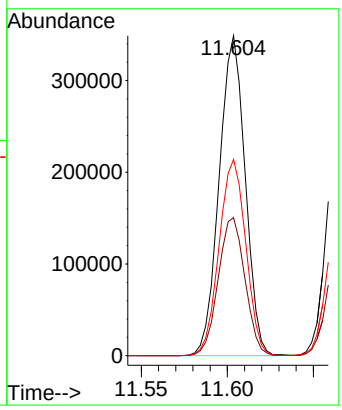




#75
1,3-Dichlorobenzene
Concen: 10.165 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 36685

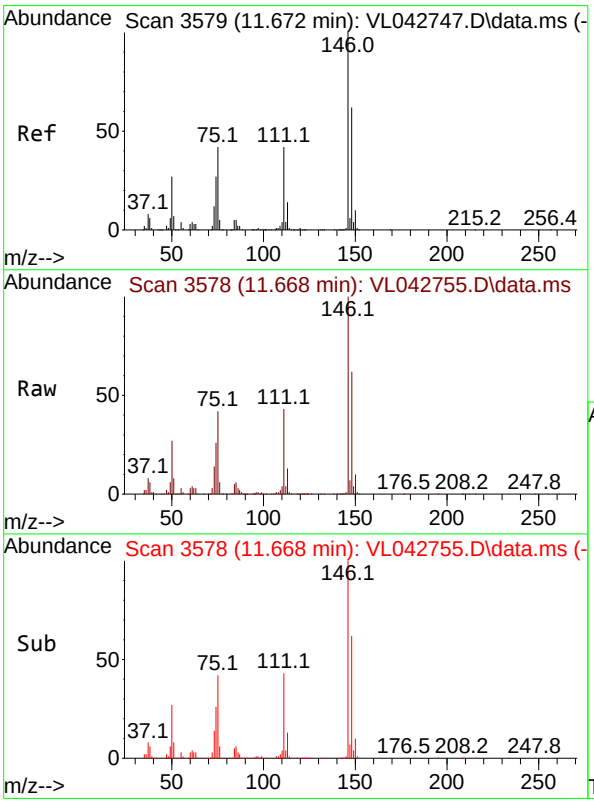
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.7	68.0
148	63.1	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

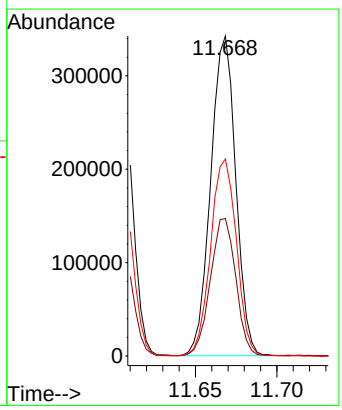
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

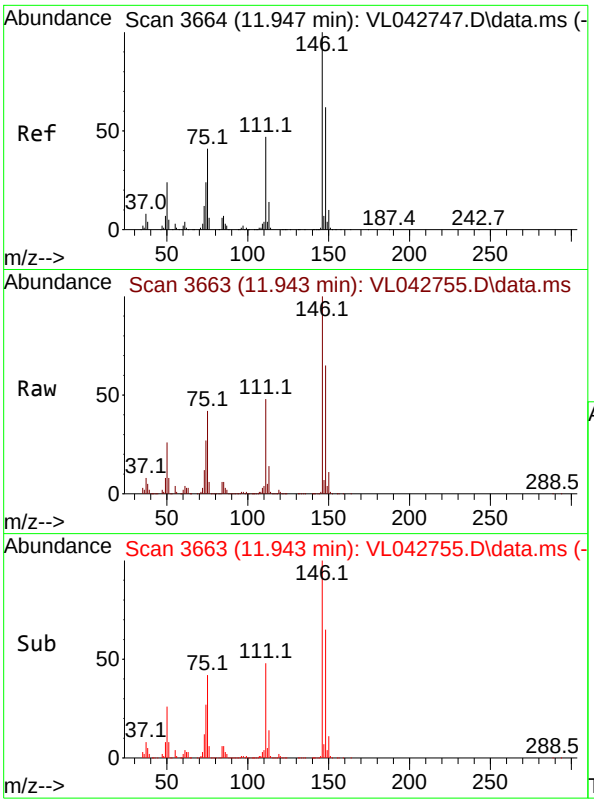


#76
1,4-Dichlorobenzene
Concen: 10.333 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 364937

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.2
148	63.8	32.1	96.3

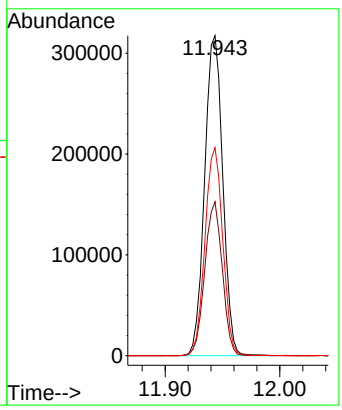




#77
1,2-Dichlorobenzene
Concen: 9.839 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 34899

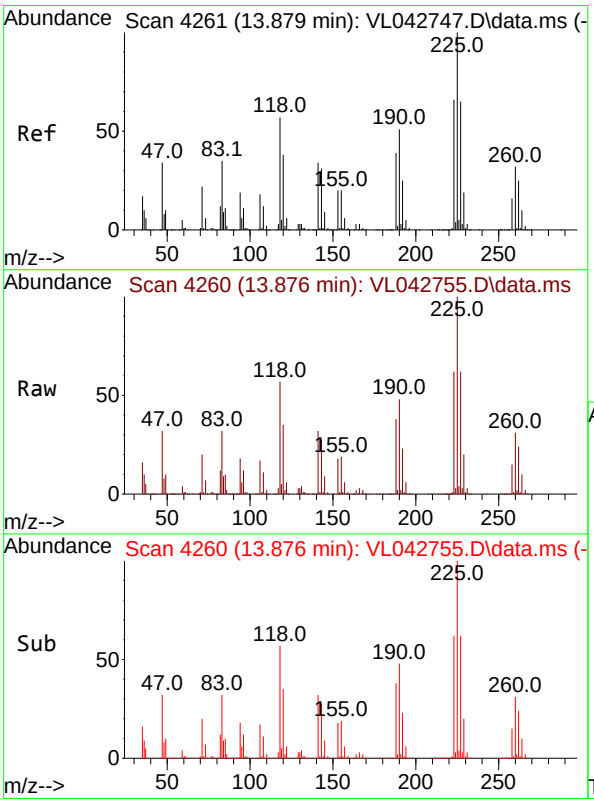
Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.7	71.1
148	63.8	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

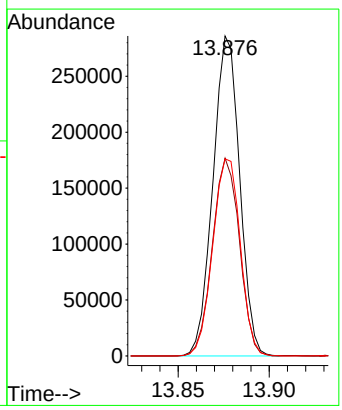
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

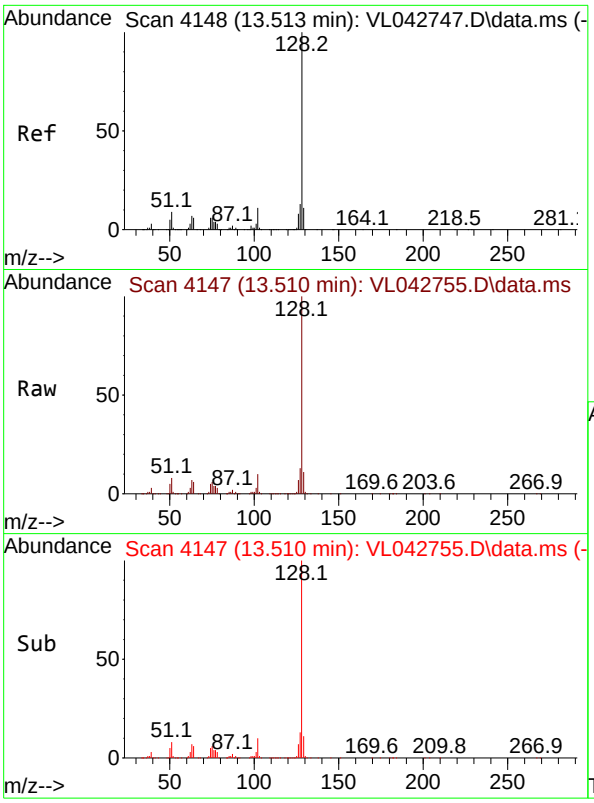


#78
Hexachloro-1,3-Butadiene
Concen: 9.091 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:225 Resp: 291861

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.5	50.5	75.7

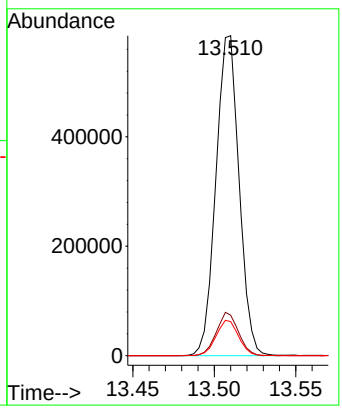




#79
Naphthalene
Concen: 10.342 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:128 Resp: 57856

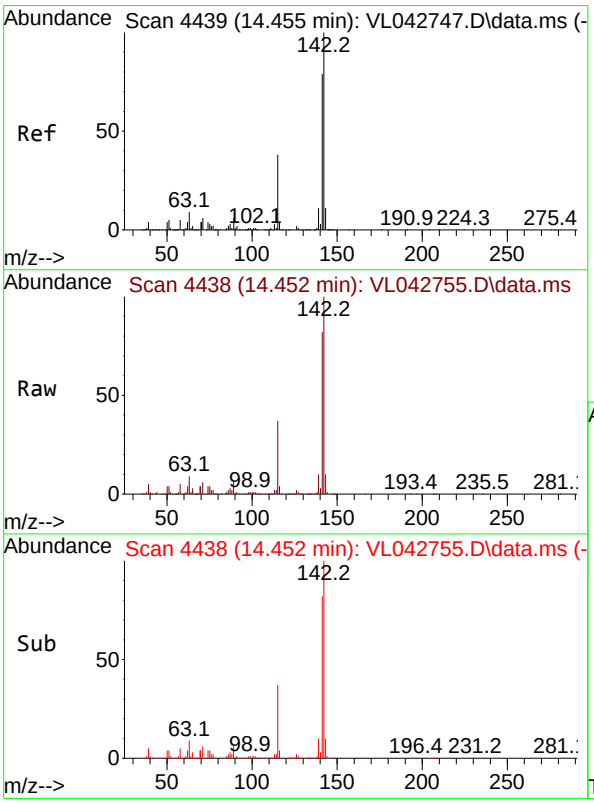
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.6	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

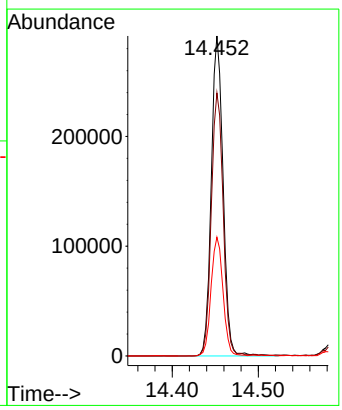
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

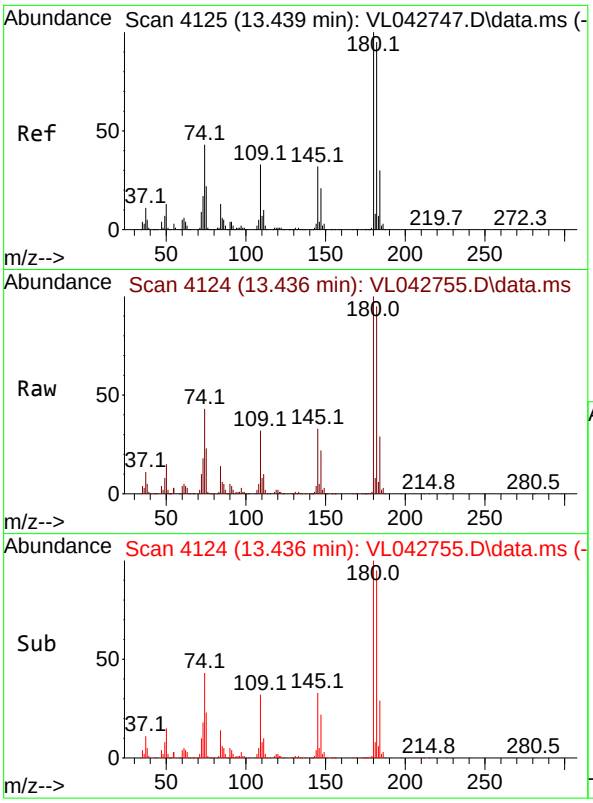


#80
Naphthalene,2-methyl-
Concen: 9.951 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:142 Resp: 277798

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.8
115	38.2	31.2	46.8

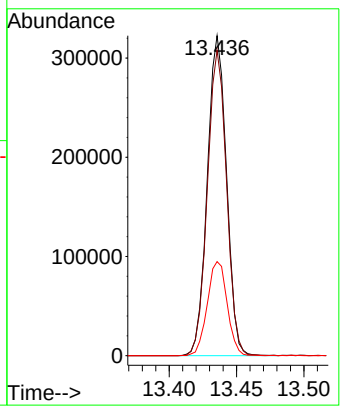




#81
1,2,4-Trichlorobenzene
Concen: 10.181 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:180 Resp: 31989

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
184	30.5	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	1.322	1.252	5.3	97	0.00
3		Chlorodifluoromethane	1.722	1.641	4.7	94	0.00
4		Chloromethane	0.535	0.488	8.8	94	0.00
5	T	Vinyl Chloride	0.528	0.437	17.2	99	0.00
6	T	Bromomethane	0.204	0.183	10.3	96	0.00
7		Chloroethane	0.204	0.176	13.7	93	0.00
8	T	Dichlorotetrafluoroethane	1.087	1.005	7.5	95	0.00
9	T	Propene	0.626	0.583	6.9	91	0.00
10	T	Heptane	1.688	1.675	0.8	95	0.00
11	T	Trichlorofluoromethane	1.363	1.213	11.0	92	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.036	0.934	9.8	92	0.00
13		Ethanol	0.083	0.052	37.3#	97	0.00
14	T	Bromoethene	0.367	0.331	9.8	91	0.00
15	T	Acetone	1.381	1.011	26.8	94	0.00
16	T	1,3-Butadiene	0.589	0.534	9.3	98	0.00
17		tert-Butyl alcohol	1.245	1.149	7.7	92	0.00
18	T	1,1-Dichloroethene	0.468	0.420	10.3	97	0.00
19	T	Isopropyl Alcohol	0.734	0.661	9.9	93	0.00
20	T	Methylene Chloride	0.435	0.362	16.8	100	0.00
21	T	Allyl Chloride	0.851	0.803	5.6	94	0.00
22	T	trans-1,2-Dichloroethene	0.503	0.469	6.8	95	0.00
23	T	Vinyl Acetate	1.674	1.769	-5.7	97	0.00
24	T	1,1-Dichloroethane	1.033	0.929	10.1	92	0.00
25	T	Ethyl Acetate	3.056	3.000	1.8	95	0.00
26	T	Hexane	1.341	1.287	4.0	93	0.00
27	T	Carbon Disulfide	1.148	1.108	3.5	95	0.00
28	T	Methyl tert-Butyl Ether	0.633	0.577	8.8	97	0.00
29	T	Chloroform	2.072	1.998	3.6	97	0.00
30	T	Cyclohexane	1.137	1.111	2.3	92	0.00
31	T	cis-1,2-Dichloroethene	1.378	1.351	2.0	96	0.00
32	T	1,1,1-Trichloroethane	2.158	1.979	8.3	94	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.708	0.699	1.3	96	0.00
35	T	Carbon Tetrachloride	0.743	0.735	1.1	96	0.00
36	T	Benzene	0.948	0.932	1.7	95	0.00
37	T	1,2-Dichloroethane	0.571	0.565	1.1	96	0.00
38	T	Trichloroethene	0.455	0.423	7.0	95	0.00
39	T	1,2-Dichloropropane	0.350	0.335	4.3	94	0.00
40	T	1,4-Dioxane	0.163	0.155	4.9	100	0.00
41	T	Tetrahydrofuran	0.360	0.375	-4.2	95	0.00
42	T	Bromodichloromethane	0.744	0.762	-2.4	96	0.00
43		Methyl Methacrylate	0.337	0.362	-7.4	95	0.00
44	T	2,2,4-Trimethylpentane	1.545	1.541	0.3	94	0.00
45	T	t-1,3-Dichloropropene	0.378	0.402	-6.3	91	0.00
46	T	cis-1,3-Dichloropropene	0.479	0.511	-6.7	92	0.00
47	T	1,1,2-Trichloroethane	0.373	0.367	1.6	97	-0.02
48	T	Dibromochloromethane	0.592	0.619	-4.6	94	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 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	0.516	0.554	-7.4	95	0.00
50	T	4-Methyl-2-Pentanone	0.912	0.940	-3.1	96	0.00
51	T	2-Hexanone	0.690	0.761	-10.3	95	0.00
52	T	Tetrachloroethene	0.393	0.360	8.4	97	0.00
53	T	Toluene	1.018	1.048	-2.9	93	0.00
54	T	1,2-Dibromoethane	0.527	0.544	-3.2	96	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.520	0.507	2.5	95	0.00
57	T	Chlorobenzene	0.968	0.931	3.8	95	0.00
58	T	Ethyl Benzene	1.579	1.659	-5.1	96	0.00
59	T	m/p-Xylene	1.262	1.335	-5.8	97	0.00
60	T	o-Xylene	1.261	1.324	-5.0	97	0.00
61	T	Styrene	0.531	0.593	-11.7	95	0.00
62		Isopropylbenzene	1.860	1.934	-4.0	97	0.00
63	T	1,1,2,2-Tetrachloroethane	0.810	0.756	6.7	98	0.00
64		n-propylbenzene	0.485	0.507	-4.5	97	0.00
65		tert-Butylbenzene	1.652	1.737	-5.1	97	0.00
66	T	Benzyl Chloride	0.136	0.158	-16.2	90	0.00
67		sec-Butylbenzene	2.350	2.402	-2.2	97	0.00
68	S	1-Bromo-4-Fluorobenzene	0.792	0.823	-3.9	93	0.00
69		p-Isopropyltoluene	1.916	2.046	-6.8	96	0.00
70		n-Butylbenzene	1.851	2.073	-12.0	96	0.00
71		2-Chlorotoluene	1.426	1.480	-3.8	96	0.00
72	T	4-Ethyltoluene	1.506	1.622	-7.7	96	0.00
73	T	1,3,5-Trimethylbenzene	1.240	1.358	-9.5	96	0.00
74	T	1,2,4-Trimethylbenzene	1.353	1.490	-10.1	97	0.00
75	T	1,3-Dichlorobenzene	0.948	0.964	-1.7	98	0.00
76	T	1,4-Dichlorobenzene	0.928	0.959	-3.3	97	0.00
77	T	1,2-Dichlorobenzene	0.932	0.917	1.6	97	0.00
78	T	Hexachloro-1,3-Butadiene	0.844	0.767	9.1	97	0.00
79	T	Naphthalene	0.958	1.520	-58.7#	97	0.00
80	T	Naphthalene,2-methyl-	0.326	0.730	-123.9#	96	0.00
81	T	1,2,4-Trichlorobenzene	0.635	0.841	-32.4#	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\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	10.000	9.472	5.3	97	0.00
3		Chlorodifluoromethane	10.000	9.525	4.7	94	0.00
4		Chloromethane	10.000	9.119	8.8	94	0.00
5	T	Vinyl Chloride	10.000	8.265	17.3	99	0.00
6	T	Bromomethane	10.000	8.957	10.4	96	0.00
7		Chloroethane	10.000	8.641	13.6	93	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.244	7.6	95	0.00
9	T	Propene	10.000	9.316	6.8	91	0.00
10	T	Heptane	10.000	9.921	0.8	95	0.00
11	T	Trichlorofluoromethane	10.000	8.902	11.0	92	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.023	9.8	92	0.00
13		Ethanol	10.000	10.243	-2.4	97	0.00
14	T	Bromoethene	10.000	9.020	9.8	91	0.00
15	T	Acetone	10.000	7.324	26.8	94	0.00
16	T	1,3-Butadiene	10.000	9.072	9.3	98	0.00
17		tert-Butyl alcohol	10.000	9.225	7.8	92	0.00
18	T	1,1-Dichloroethene	10.000	8.970	10.3	97	0.00
19	T	Isopropyl Alcohol	10.000	9.006	9.9	93	0.00
20	T	Methylene Chloride	10.000	8.320	16.8	100	0.00
21	T	Allyl Chloride	10.000	9.441	5.6	94	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.322	6.8	95	0.00
23	T	Vinyl Acetate	10.000	10.568	-5.7	97	0.00
24	T	1,1-Dichloroethane	10.000	8.993	10.1	92	0.00
25	T	Ethyl Acetate	10.000	9.816	1.8	95	0.00
26	T	Hexane	10.000	9.597	4.0	93	0.00
27	T	Carbon Disulfide	10.000	9.652	3.5	95	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.114	8.9	97	0.00
29	T	Chloroform	10.000	9.643	3.6	97	0.00
30	T	Cyclohexane	10.000	9.773	2.3	92	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.802	2.0	96	0.00
32	T	1,1,1-Trichloroethane	10.000	9.172	8.3	94	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34	T	2-Butanone	10.000	9.869	1.3	96	0.00
35	T	Carbon Tetrachloride	10.000	9.900	1.0	96	0.00
36	T	Benzene	10.000	9.834	1.7	95	0.00
37	T	1,2-Dichloroethane	10.000	9.895	1.1	96	0.00
38	T	Trichloroethene	10.000	9.301	7.0	95	0.00
39	T	1,2-Dichloropropane	10.000	9.578	4.2	94	0.00
40	T	1,4-Dioxane	10.000	9.481	5.2	100	0.00
41	T	Tetrahydrofuran	10.000	10.404	-4.0	95	0.00
42	T	Bromodichloromethane	10.000	10.254	-2.5	96	0.00
43		Methyl Methacrylate	10.000	10.738	-7.4	95	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.973	0.3	94	0.00
45	T	t-1,3-Dichloropropene	10.000	10.643	-6.4	91	0.00
46	T	cis-1,3-Dichloropropene	10.000	10.679	-6.8	92	0.00
47	T	1,1,2-Trichloroethane	10.000	9.848	1.5	97	-0.02
48	T	Dibromochloromethane	10.000	10.460	-4.6	94	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 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	10.729	-7.3	95	0.00
50	T	4-Methyl-2-Pentanone	10.000	10.303	-3.0	96	0.00
51	T	2-Hexanone	10.000	11.029	-10.3	95	0.00
52	T	Tetrachloroethene	10.000	9.163	8.4	97	0.00
53	T	Toluene	10.000	10.294	-2.9	93	0.00
54	T	1,2-Dibromoethane	10.000	10.331	-3.3	96	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.759	2.4	95	0.00
57	T	Chlorobenzene	10.000	9.623	3.8	95	0.00
58	T	Ethyl Benzene	10.000	10.504	-5.0	96	0.00
59	T	m/p-Xylene	20.000	21.160	-5.8	97	0.00
60	T	o-Xylene	10.000	10.499	-5.0	97	0.00
61	T	Styrene	10.000	11.185	-11.9	95	0.00
62		Isopropylbenzene	10.000	10.398	-4.0	97	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.340	6.6	98	0.00
64		n-propylbenzene	10.000	10.460	-4.6	97	0.00
65		tert-Butylbenzene	10.000	10.512	-5.1	97	0.00
66	T	Benzyl Chloride	10.000	11.634	-16.3	90	0.00
67		sec-Butylbenzene	10.000	10.221	-2.2	97	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.397	-4.0	93	0.00
69		p-Isopropyltoluene	10.000	10.677	-6.8	96	0.00
70		n-Butylbenzene	10.000	11.197	-12.0	96	0.00
71		2-Chlorotoluene	10.000	10.376	-3.8	96	0.00
72	T	4-Ethyltoluene	10.000	10.772	-7.7	96	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.951	-9.5	96	0.00
74	T	1,2,4-Trimethylbenzene	10.000	11.017	-10.2	97	0.00
75	T	1,3-Dichlorobenzene	10.000	10.165	-1.6	98	0.00
76	T	1,4-Dichlorobenzene	10.000	10.333	-3.3	97	0.00
77	T	1,2-Dichlorobenzene	10.000	9.839	1.6	97	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.091	9.1	97	0.00
79	T	Naphthalene	10.000	10.342	-3.4	97	0.00
80	T	Naphthalene,2-methyl-	10.000	9.951	0.5	96	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.181	-1.8	95	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.: Q2671
Instrument ID: MSVOA_L
Calibration Date/Time: 07/24/2025 08:23
Lab File ID: VL042757.D
Init. Calib. Date(s): 07/23/2025 07/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 08:58 13:00
GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.322	1.268		-4.09	30
Chloromethane	0.535	0.502		-6.17	30
Vinyl Chloride	0.528	0.440		-16.67	30
Bromomethane	0.204	0.194		-4.9	30
Chloroethane	0.204	0.186		-8.82	30
Tetrahydrofuran	0.360	0.371		3.06	30
Trichlorofluoromethane	1.363	1.310		-3.89	30
1,1,2-Trichlorotrifluoroethane	1.036	1.001		-3.38	30
Dichlorotetrafluoroethane	1.087	1.015		-6.62	30
tert-Butyl alcohol	1.245	1.191		-4.34	30
Heptane	1.688	1.685		-0.18	30
1,1-Dichloroethene	0.468	0.429		-8.33	30
Acetone	1.381	1.057		-23.46	30
Carbon Disulfide	1.148	1.157		0.78	30
Methyl tert-Butyl Ether	0.633	0.572		-9.64	30
Methylene Chloride	0.435	0.376		-13.56	30
trans-1,2-Dichloroethene	0.503	0.485		-3.58	30
1,1-Dichloroethane	1.033	0.980		-5.13	30
Cyclohexane	1.137	1.107		-2.64	30
2-Butanone	0.708	0.681		-3.81	30
Carbon Tetrachloride	0.743	0.736		-0.94	30
cis-1,2-Dichloroethene	1.378	1.346		-2.32	30
Chloroform	2.072	2.003		-3.33	30
1,1,1-Trichloroethane	2.158	2.011		-6.81	30
2,2,4-Trimethylpentane	1.545	1.543		-0.13	30
Benzene	0.948	0.920		-2.95	30
1,2-Dichloroethane	0.571	0.566		-0.88	30
Trichloroethene	0.455	0.407		-10.55	30
1,2-Dichloropropane	0.350	0.337		-3.71	30
Bromodichloromethane	0.744	0.758		1.88	30
4-Methyl-2-Pentanone	0.912	0.908		-0.44	30
Toluene	1.018	1.036		1.77	30
t-1,3-Dichloropropene	0.378	0.403		6.61	30
cis-1,3-Dichloropropene	0.479	0.505		5.43	30
1,1,2-Trichloroethane	0.373	0.361		-3.22	30
Dibromochloromethane	0.592	0.617		4.22	30
1,2-Dibromoethane	0.527	0.532		0.95	30
Tetrachloroethene	0.393	0.344		-12.47	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.: Q2671

Instrument ID: MSVOA_L | Calibration Date/Time: 07/24/2025 08:23

Lab File ID: VL042757.D | Init. Calib. Date(s): 07/23/2025 07/23/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 08:58 13:00

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.968	0.912		-5.78	30
Ethyl Benzene	1.579	1.626		2.98	30
m/p-Xylene	1.262	1.313		4.04	30
o-Xylene	1.261	1.306		3.57	30
Styrene	0.531	0.579		9.04	30
Bromoform	0.516	0.536		3.88	30
1,1,2,2-Tetrachloroethane	0.810	0.743		-8.27	30
2-Chlorotoluene	1.426	1.456		2.1	30
1,3,5-Trimethylbenzene	1.240	1.346		8.55	30
1,2,4-Trimethylbenzene	1.353	1.466		8.35	30
1,3-Dichlorobenzene	0.948	0.944		-0.42	30
1,4-Dichlorobenzene	0.928	0.957		3.13	30
1,2-Dichlorobenzene	0.932	0.910		-2.36	30
1,2,4-Trichlorobenzene	0.635	0.839		32.13	30
Hexachloro-1,3-Butadiene	0.844	0.748		-11.37	30
1,3-Butadiene	0.589	0.538		-8.66	30
Naphthalene	0.958	1.496		56.16	30
4-Ethyltoluene	1.506	1.619		7.5	30
1-Bromo-4-Fluorobenzene	0.792	0.812		2.53	30
Hexane	1.341	1.296		-3.36	30
Allyl Chloride	0.851	0.832		-2.23	30
1,4-Dioxane	163.065	154.088		-5.51	30
Methyl Methacrylate	0.337	0.356		5.64	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\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	147950	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	427210	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	383056	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	311165	10.257	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	187566	9.589	ppbv	99
3) Chlorodifluoromethane	1.476	51	244317	9.588	ppbv	98
4) Chloromethane	1.531	50	74335	9.393	ppbv	95
5) Vinyl Chloride	1.580	62	65064	8.321	ppbv	99
6) Bromomethane	1.667	94	28685	9.490	ppbv	92
7) Chloroethane	1.703	64	27550	9.119	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	150238	9.339	ppbv	97
9) Propene	1.483	41	87903	9.491	ppbv	96
10) Heptane	4.978	43	249314	9.984	ppbv	98
11) Trichlorofluoromethane	1.878	101	193823	9.612	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	148112	9.666	ppbv	98
13) Ethanol	1.719	45	7492	9.958	ppbv	92
14) Bromoethene	1.781	108	52933	9.757	ppbv	99
15) Acetone	1.836	43	156375	7.654	ppbv	98
16) 1,3-Butadiene	1.609	39	79550	9.129	ppbv	98
17) tert-Butyl alcohol	2.040	59	176200	9.563	ppbv	99
18) 1,1-Dichloroethene	2.033	96	63402	9.158	ppbv	91
19) Isopropyl Alcohol	1.884	45	98884	9.108	ppbv #	40
20) Methylene Chloride	2.062	84	55642	8.643	ppbv	92
21) Allyl Chloride	2.095	41	123118	9.778	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	71805	9.641	ppbv	96
23) Vinyl Acetate	2.460	43	254582	10.279	ppbv	99
24) 1,1-Dichloroethane	2.409	63	144940	9.481	ppbv	98
25) Ethyl Acetate	2.833	43	440225	9.735	ppbv	99
26) Hexane	2.826	57	191695	9.663	ppbv	99
27) Carbon Disulfide	2.150	76	171134	10.077	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	84661	9.034	ppbv	97
29) Chloroform	2.849	83	296376	9.669	ppbv	99
30) Cyclohexane	3.859	84	163787	9.735	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	199128	9.769	ppbv	95
32) 1,1,1-Trichloroethane	3.367	97	297466	9.316	ppbv	99
34) 2-Butanone	2.554	43	291075	9.619	ppbv	98
35) Carbon Tetrachloride	3.761	117	314409	9.908	ppbv	99
36) Benzene	3.655	78	393168	9.711	ppbv	99
37) 1,2-Dichloroethane	3.218	62	241809	9.914	ppbv	100
38) Trichloroethene	4.545	130	173991	8.945	ppbv	97
39) 1,2-Dichloropropane	4.309	63	144022	9.637	ppbv	99
40) 1,4-Dioxane	4.574	88	65828	9.450	ppbv #	96
41) Tetrahydrofuran	3.053	42	158450	10.290	ppbv	99
42) Bromodichloromethane	4.487	83	323680	10.190	ppbv	100
43) Methyl Methacrylate	4.875	69	152285	10.582	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	659271	9.990	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	172061	10.662	ppbv	90

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	215829	10.554	ppbv		98
47) 1,1,2-Trichloroethane	6.581	97	154154	9.676	ppbv		96
48) Dibromochloromethane	7.387	129	263525	10.419	ppbv		99
49) Bromoform	9.481	173	229121	10.390	ppbv		98
50) 4-Methyl-2-Pentanone	5.746	43	387968	9.953	ppbv		99
51) 2-Hexanone	7.435	43	317003	10.761	ppbv	#	99
52) Tetrachloroethene	8.225	164	146976	8.758	ppbv		97
53) Toluene	6.930	91	442405	10.175	ppbv		100
54) 1,2-Dibromoethane	7.649	107	227212	10.094	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.924	131	198082	9.946	ppbv		99
57) Chlorobenzene	8.921	112	349201	9.419	ppbv		97
58) Ethyl Benzene	9.354	91	622947	10.298	ppbv		100
59) m/p-Xylene	9.552	91	1005574m	20.800	ppbv		
60) o-Xylene	9.963	91	500129	10.353	ppbv		99
61) Styrene	9.869	104	221916	10.920	ppbv		99
62) Isopropylbenzene	10.539	105	722087	10.134	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.963	83	284428	9.171	ppbv		99
64) n-propylbenzene	10.989	120	192843	10.381	ppbv		99
65) tert-Butylbenzene	11.533	119	647770	10.234	ppbv		98
66) Benzyl Chloride	11.614	91	59138	11.381	ppbv		99
67) sec-Butylbenzene	11.769	105	905366	10.057	ppbv		100
69) p-Isopropyltoluene	11.924	119	782501	10.660	ppbv		100
70) n-Butylbenzene	12.280	91	792521	11.177	ppbv		99
71) 2-Chlorotoluene	10.902	91	557912	10.211	ppbv		99
72) 4-Ethyltoluene	11.125	105	620030	10.747	ppbv		99
73) 1,3,5-Trimethylbenzene	11.203	105	515645	10.856	ppbv		97
74) 1,2,4-Trimethylbenzene	11.536	105	561445	10.834	ppbv		95
75) 1,3-Dichlorobenzene	11.607	146	361599	9.953	ppbv		100
76) 1,4-Dichlorobenzene	11.672	146	366590	10.312	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	348523	9.761	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	286611	8.868	ppbv		99
79) Naphthalene	13.514	128	573161	10.185	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	273990	9.773	ppbv		99
81) 1,2,4-Trichlorobenzene	13.439	180	321227	10.157	ppbv		99

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

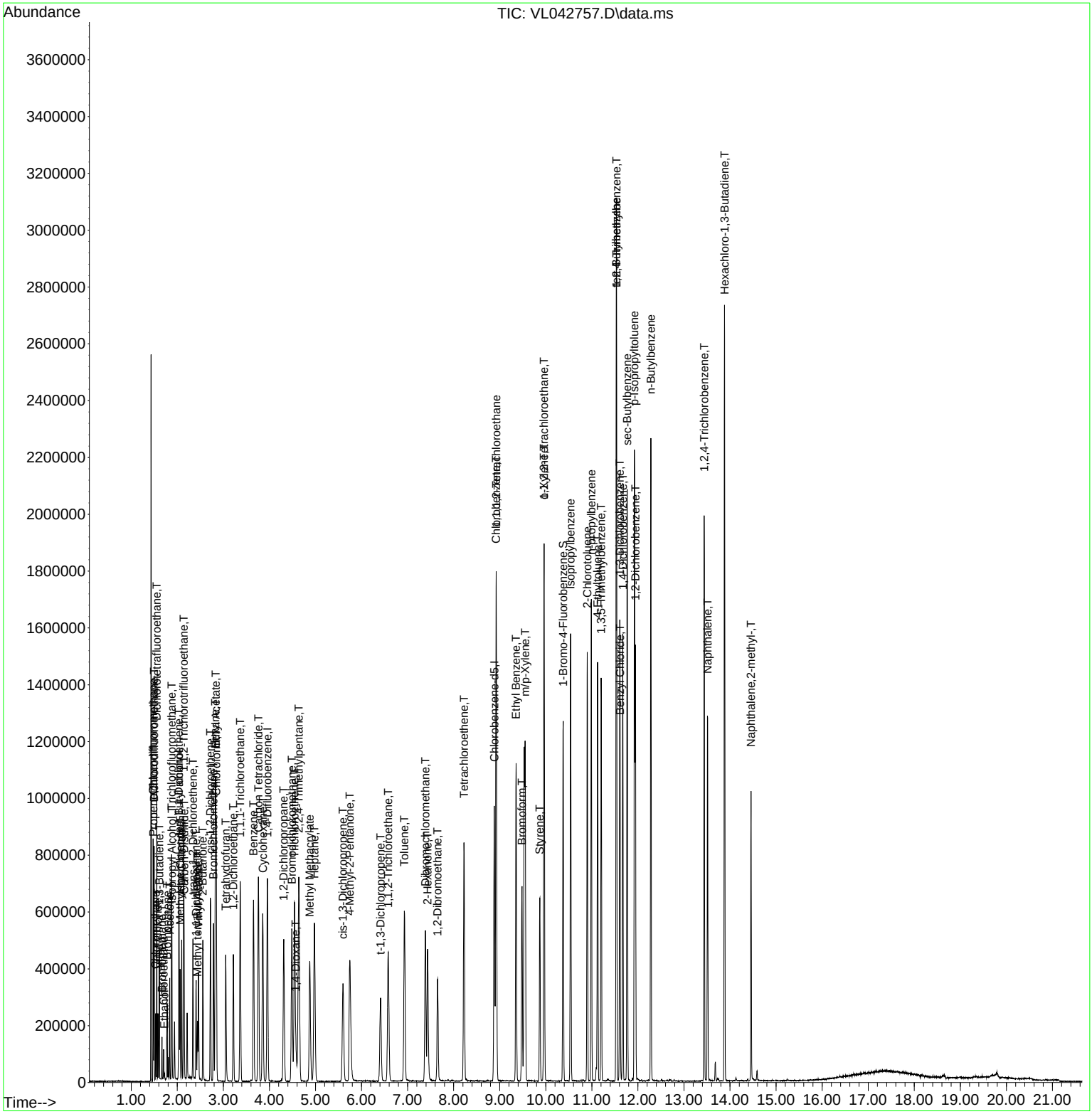
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

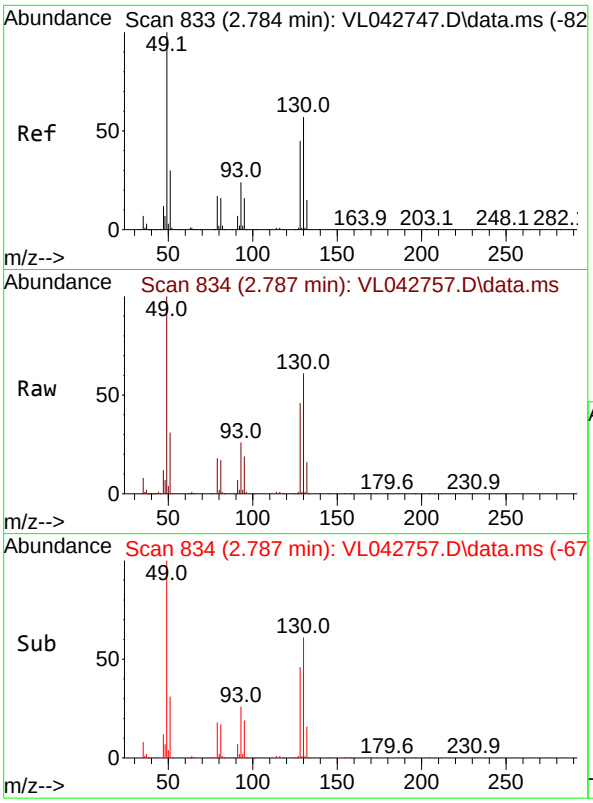
Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

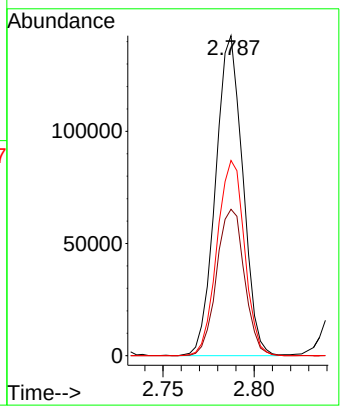




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 49 Resp: 14795

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.6	71.0
130	61.5	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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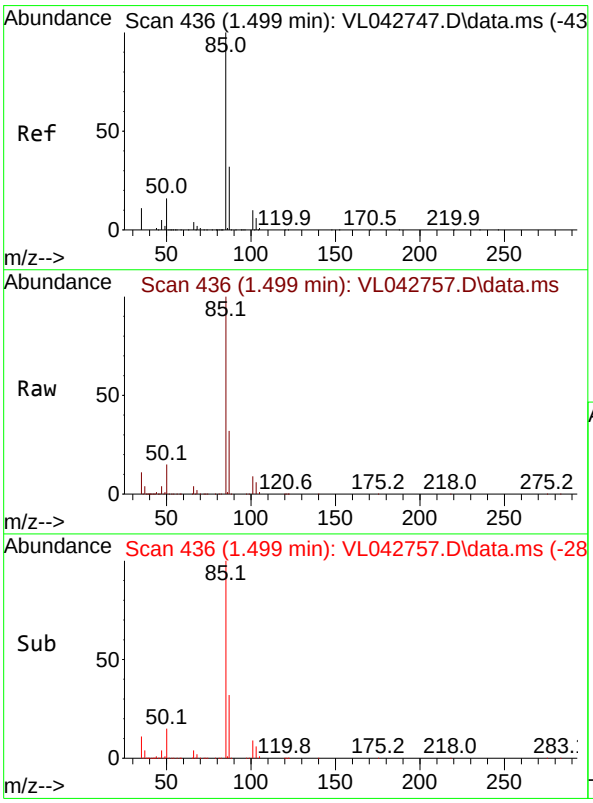
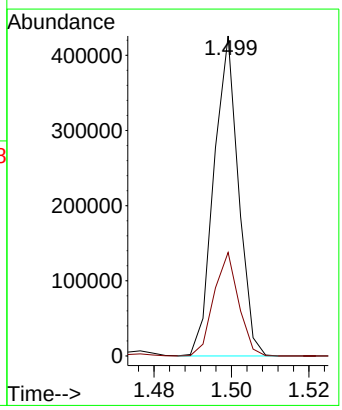
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

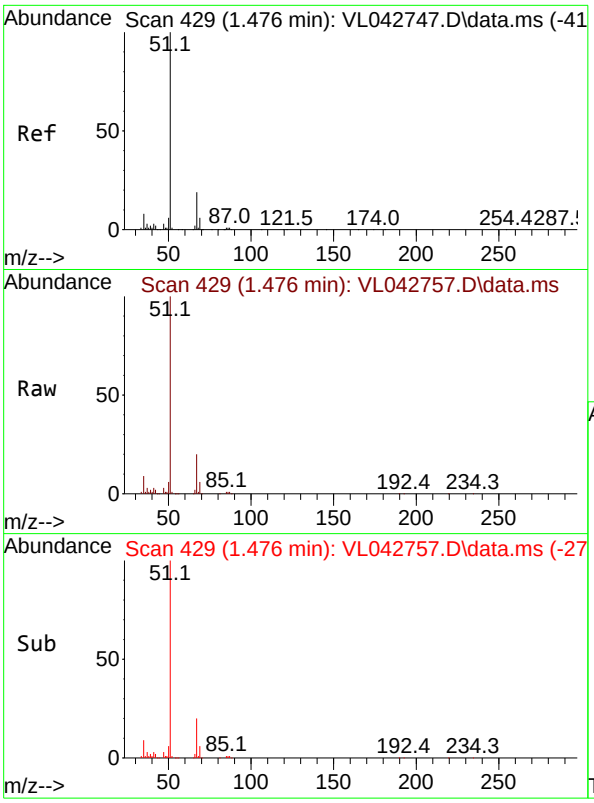


#2
Dichlorodifluoromethane
Concen: 9.589 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 85 Resp: 187566

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.4	38.2

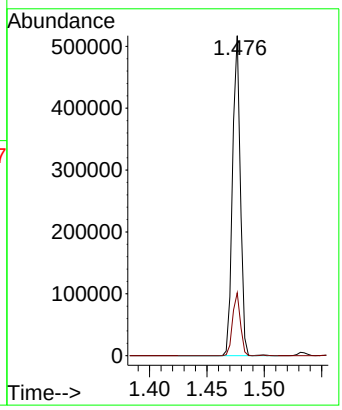




#3
Chlorodifluoromethane
Concen: 9.588 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 51 Resp: 24431

Ion	Ratio	Lower	Upper
51	100		
67	19.7	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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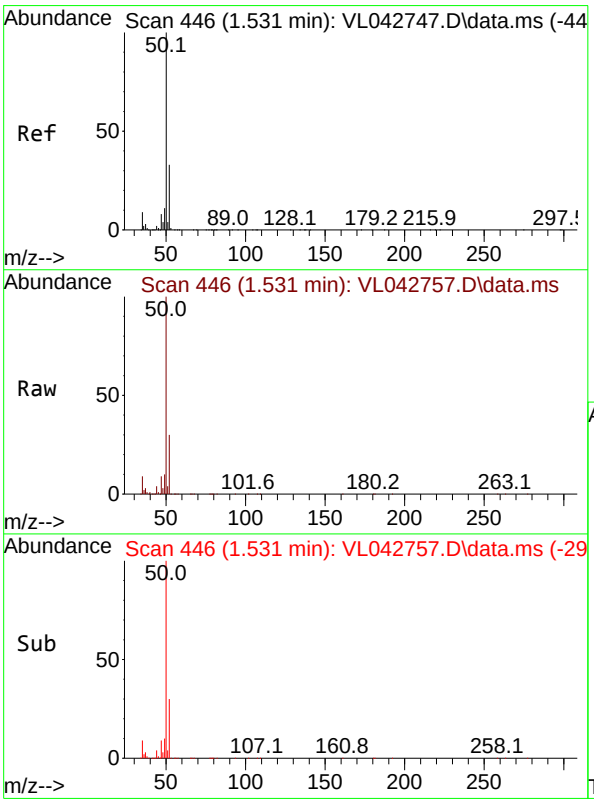
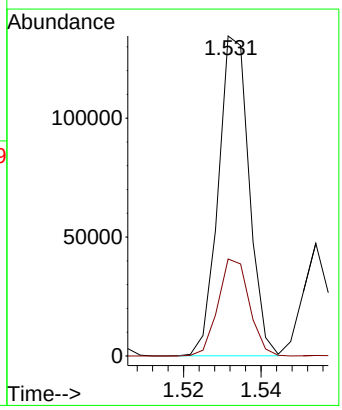
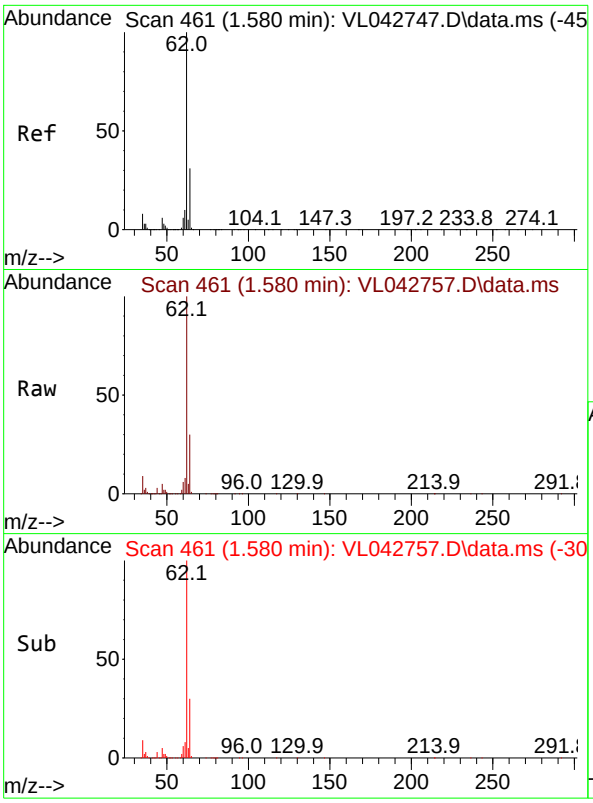


#4
Chloromethane
Concen: 9.393 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 50 Resp: 74335

Ion	Ratio	Lower	Upper
50	100		
52	30.3	26.6	40.0

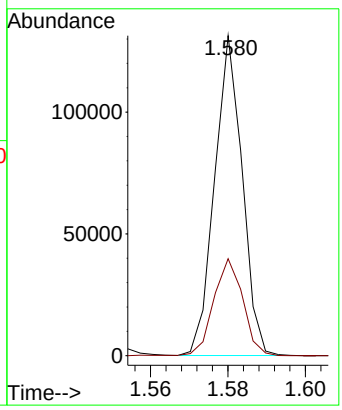




#5
Vinyl Chloride
Concen: 8.321 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 62 Resp: 6506

Ion	Ratio	Lower	Upper
62	100		
64	30.2	24.5	36.7



Instrument :
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ClientSampleId :
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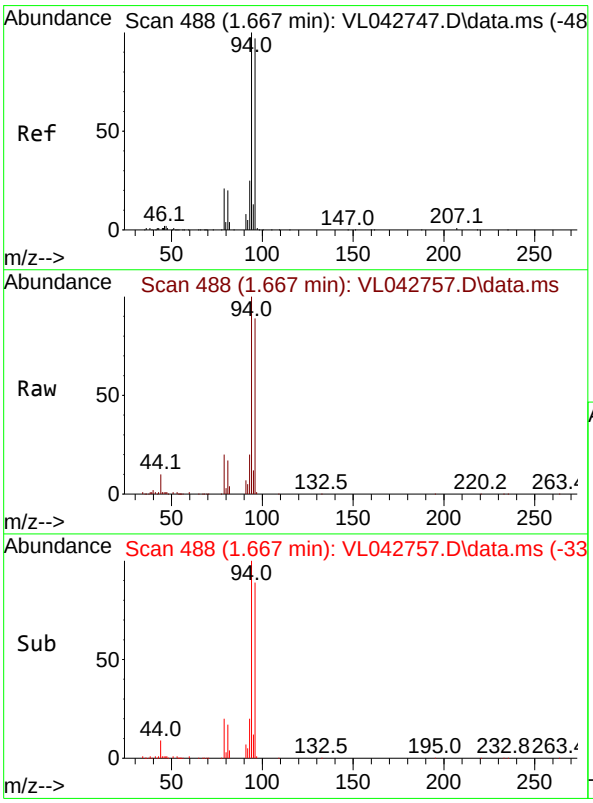
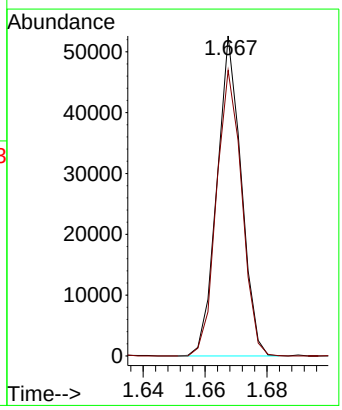
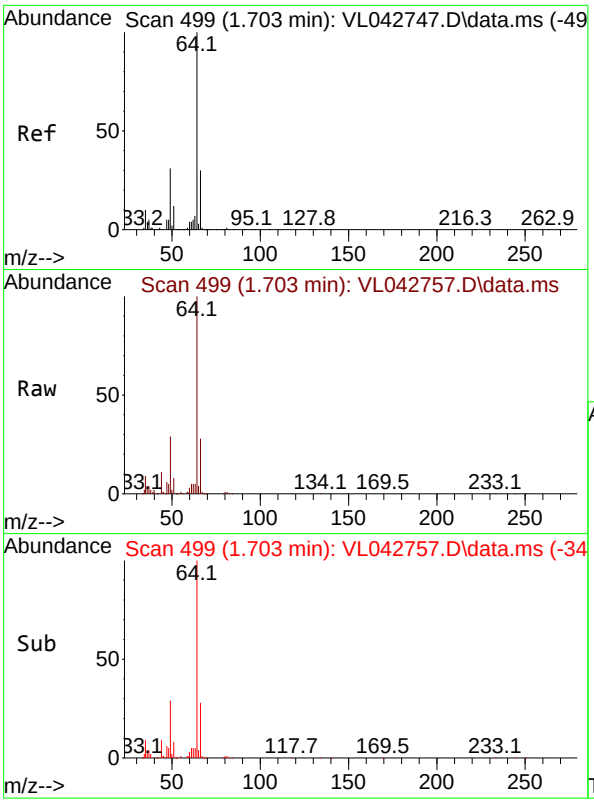


#6
Bromomethane
Concen: 9.490 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 94 Resp: 28685

Ion	Ratio	Lower	Upper
94	100		
96	89.3	77.6	116.4

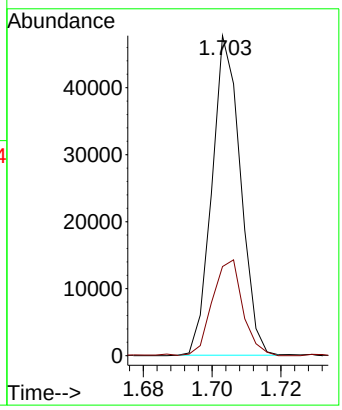




#7
Chloroethane
Concen: 9.119 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 64 Resp: 2755

Ion	Ratio	Lower	Upper
64	100		
66	27.8	24.1	36.1



Instrument :
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ClientSampleId :
VSTDCCC010

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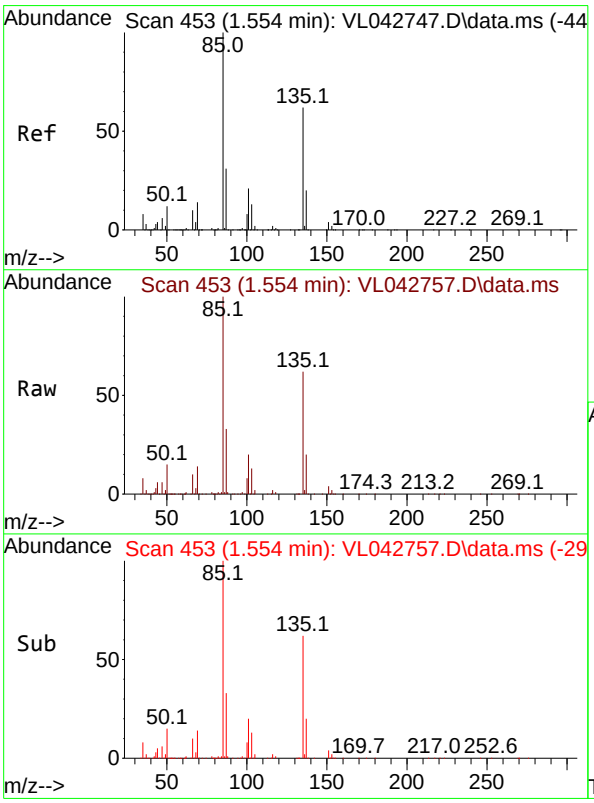
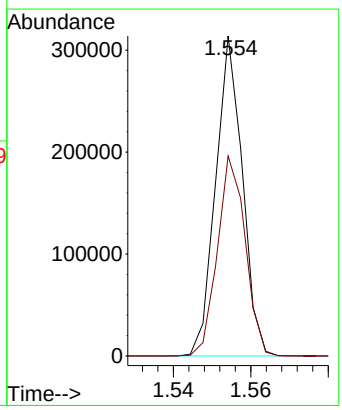
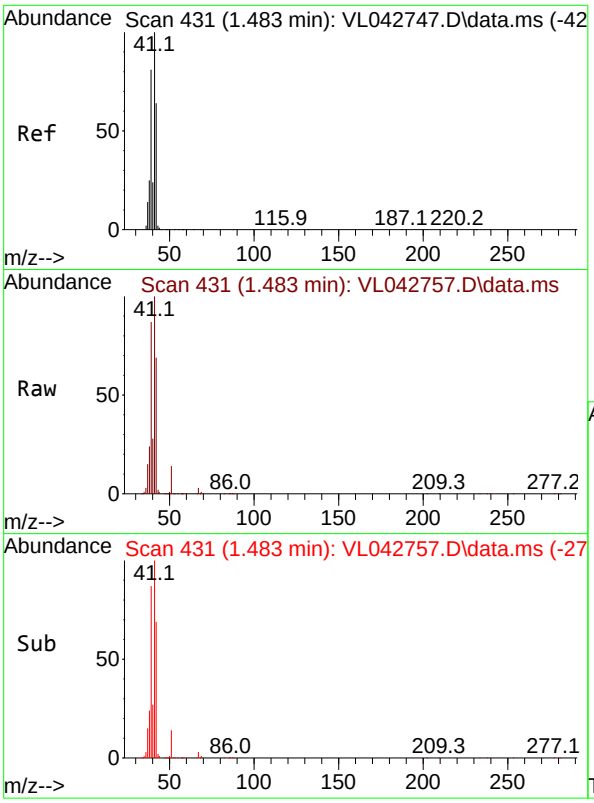


#8
Dichlorotetrafluoroethane
Concen: 9.339 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 85 Resp: 150238

Ion	Ratio	Lower	Upper
85	100		
135	65.3	50.6	76.0

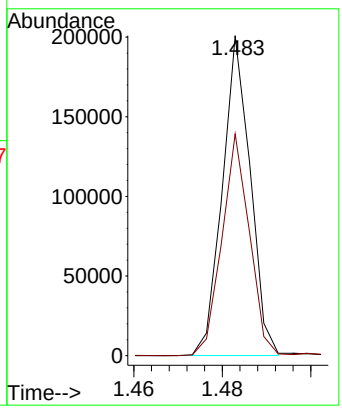




#9
Propene
Concen: 9.491 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 41 Resp: 8790

Ion	Ratio	Lower	Upper
41	100		
42	69.8	53.2	79.8



Instrument :
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ClientSampleId :
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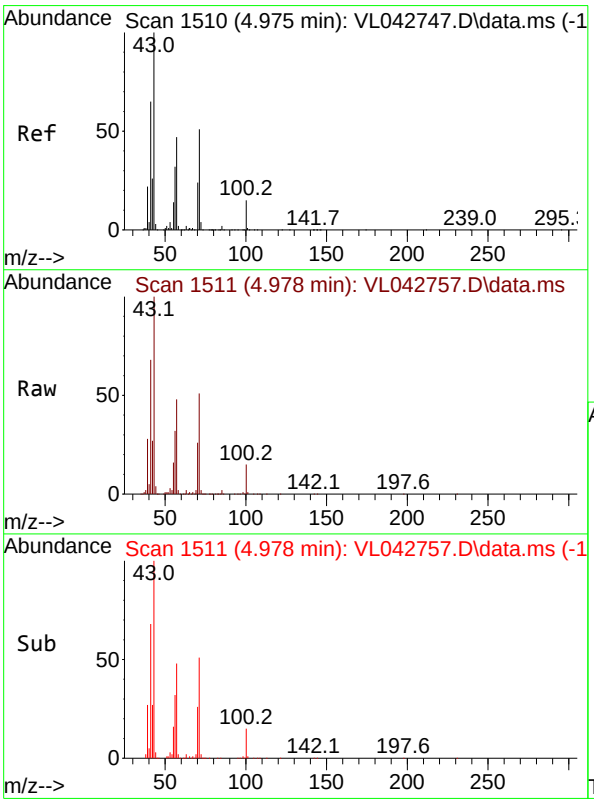
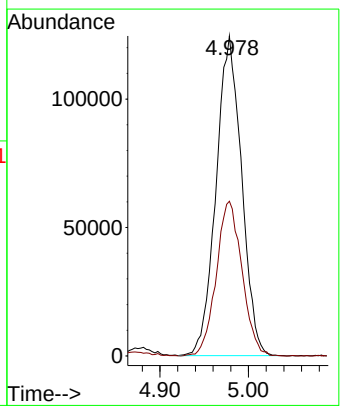
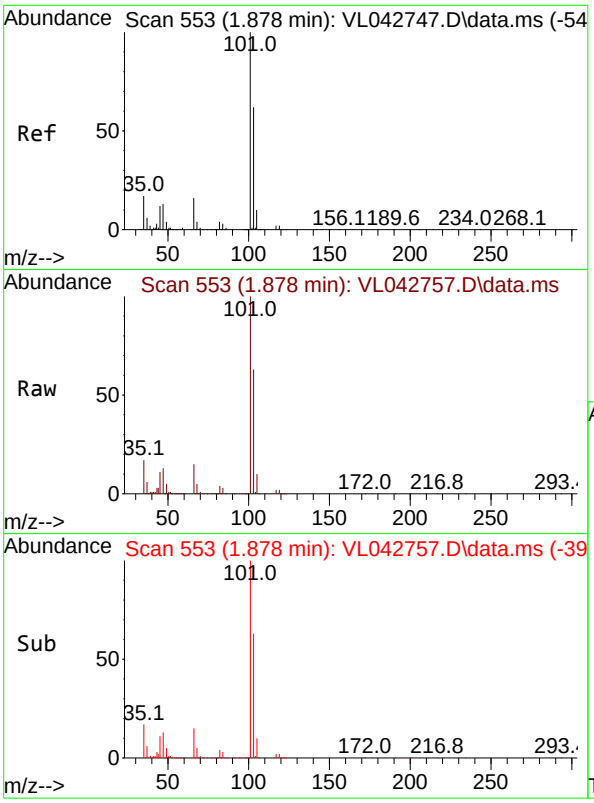


#10
Heptane
Concen: 9.984 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 249314

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.9	59.9

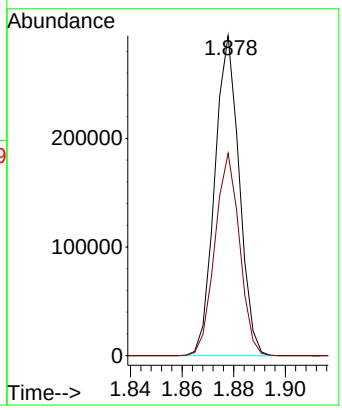




#11
Trichlorofluoromethane
Concen: 9.612 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:101 Resp: 19382

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.6	74.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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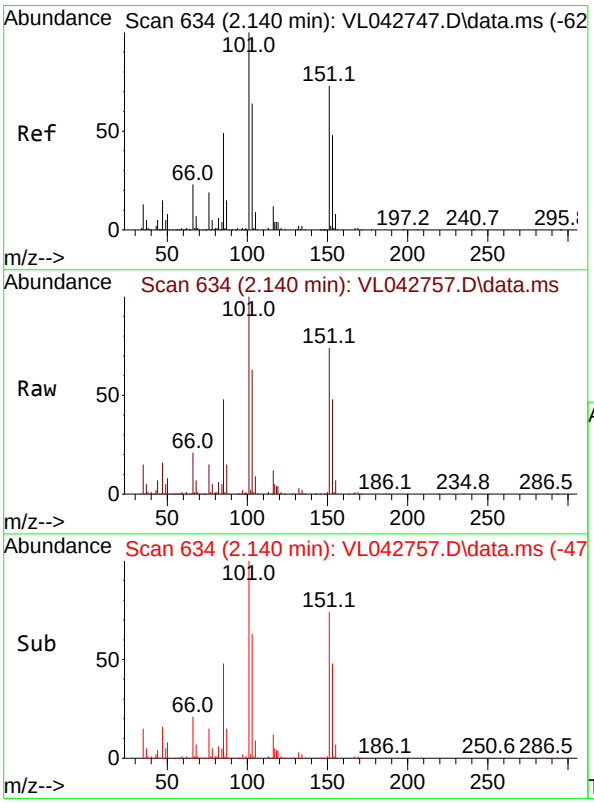
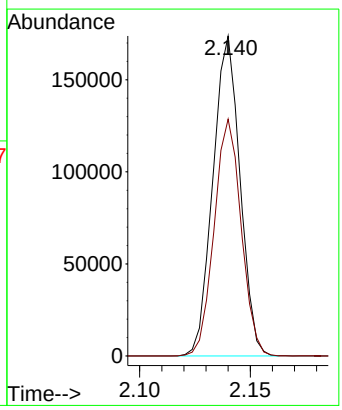
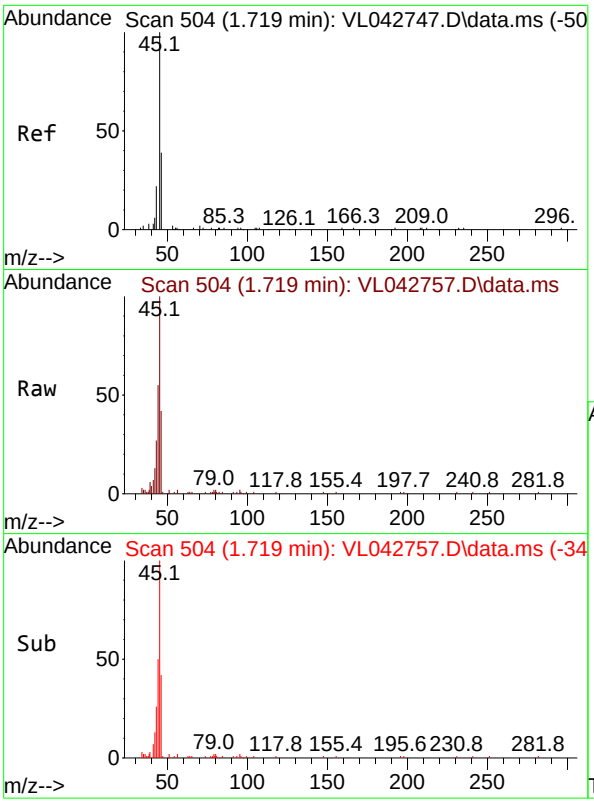


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.666 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:101 Resp: 148112

Ion	Ratio	Lower	Upper
101	100		
151	73.7	60.5	90.7

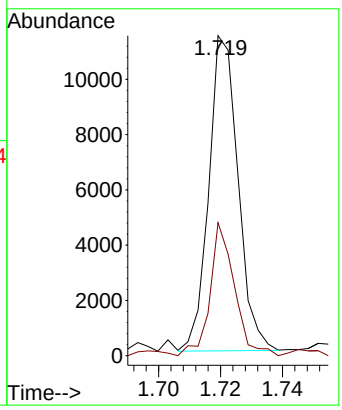




#13
Ethanol
Concen: 9.958 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 45 Resp: 749

Ion	Ratio	Lower	Upper
45	100		
46	39.3	17.8	71.4



Instrument :
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ClientSampleId :
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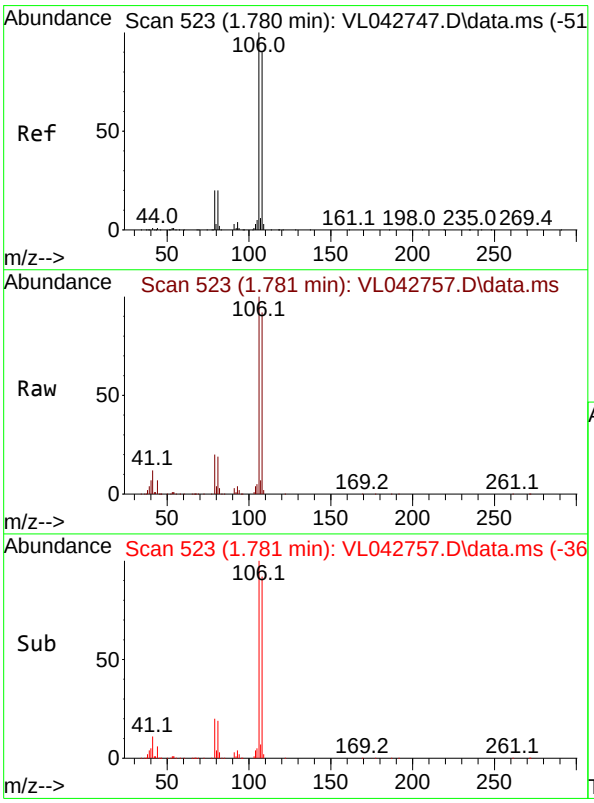
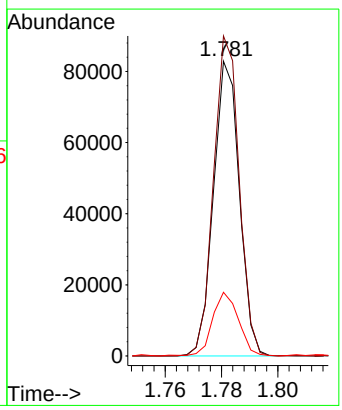
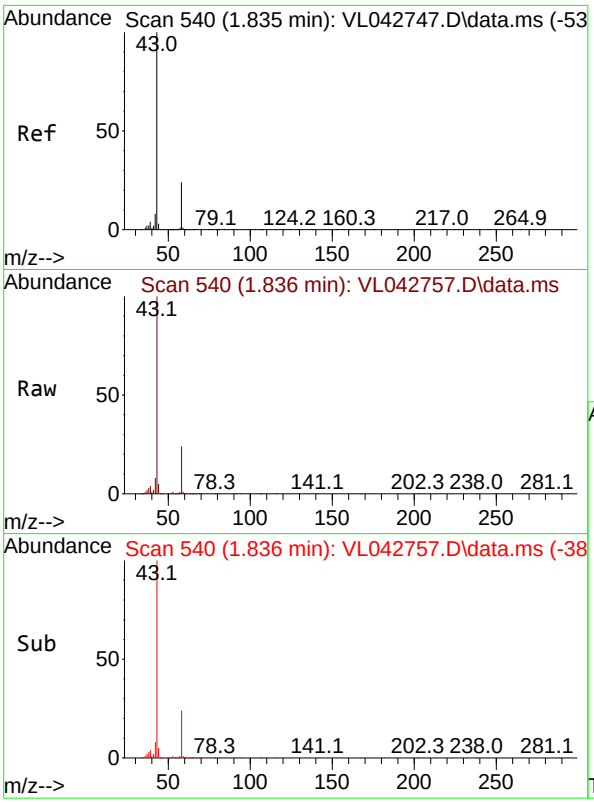


#14
Bromoethene
Concen: 9.757 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:108 Resp: 52933

Ion	Ratio	Lower	Upper
108	100		
106	107.3	84.7	127.1
79	22.4	17.4	26.2

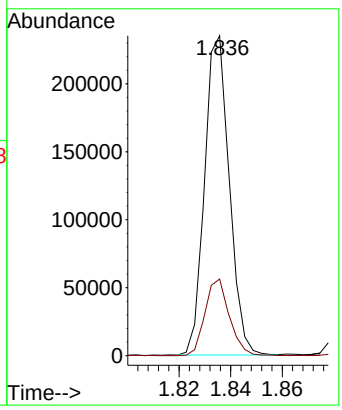




#15
Acetone
Concen: 7.654 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 15637

Ion	Ratio	Lower	Upper
43	100		
58	23.9	19.8	29.8



Instrument :
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ClientSampleId :
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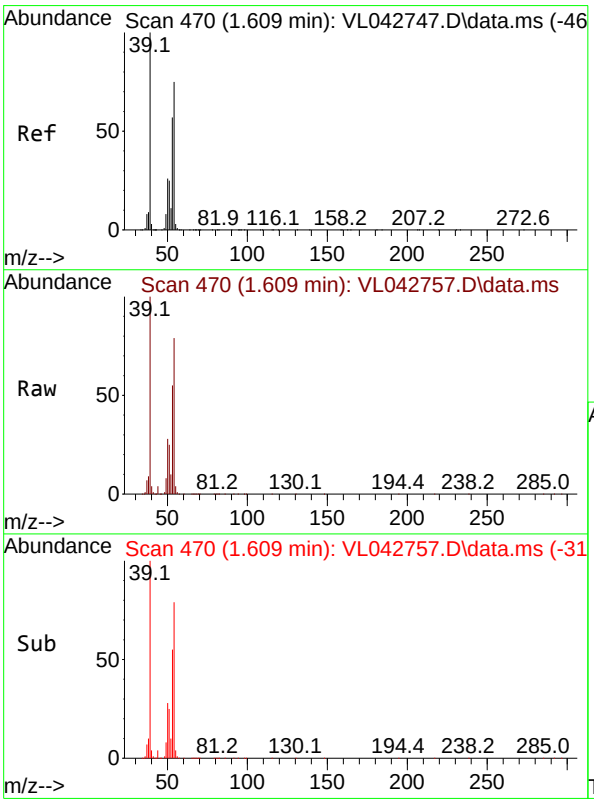
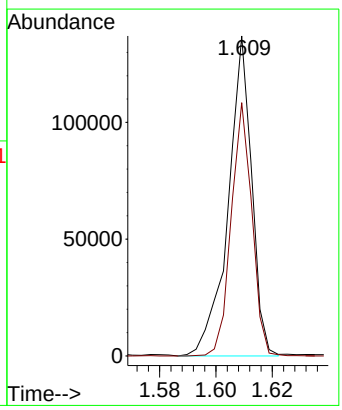
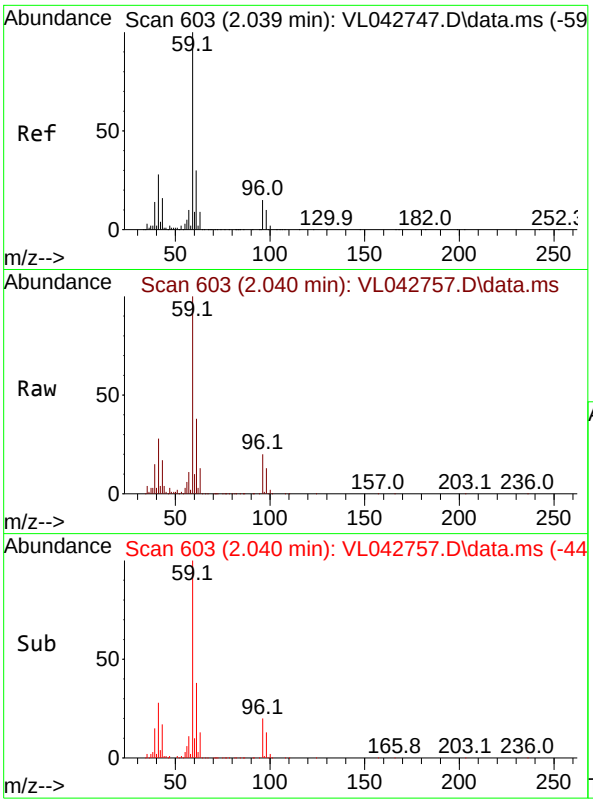


#16
1,3-Butadiene
Concen: 9.129 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 39 Resp: 79550

Ion	Ratio	Lower	Upper
39	100		
54	69.6	54.5	81.7

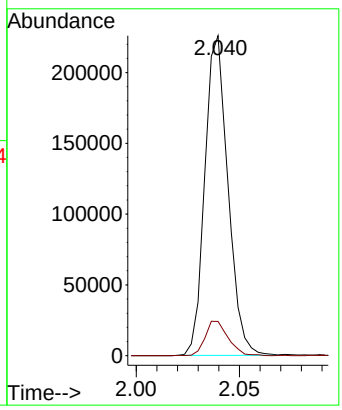




#17
tert-Butyl alcohol
Concen: 9.563 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 59 Resp: 17620

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
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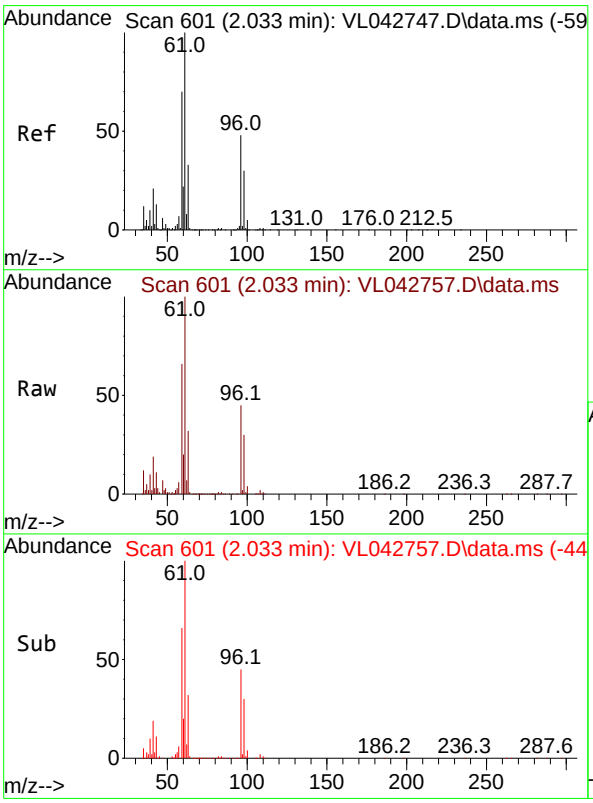
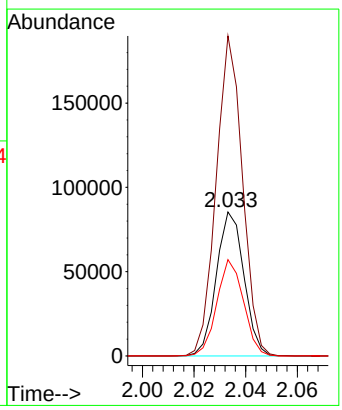
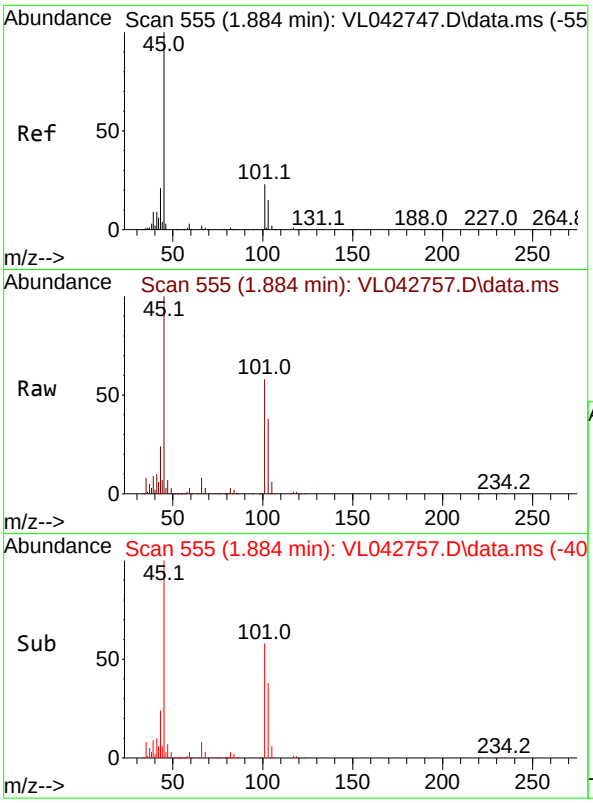


#18
1,1-Dichloroethene
Concen: 9.158 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 96 Resp: 63402

Ion	Ratio	Lower	Upper
96	100		
61	222.1	165.8	248.6
98	67.0	49.9	74.9





#19
Isopropyl Alcohol
Concen: 9.108 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 45 Resp: 9888

Ion	Ratio	Lower	Upper
45	100		
58	1.7	30.0	45.0#

Instrument :
MSVOA_L
ClientSampleId :
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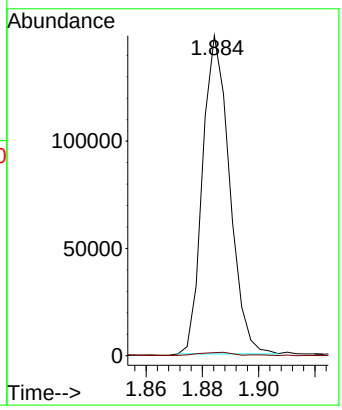
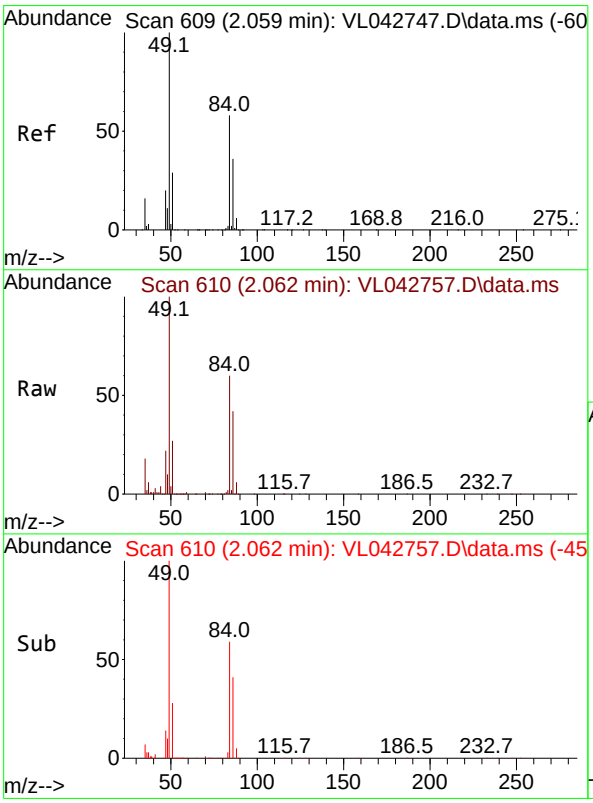
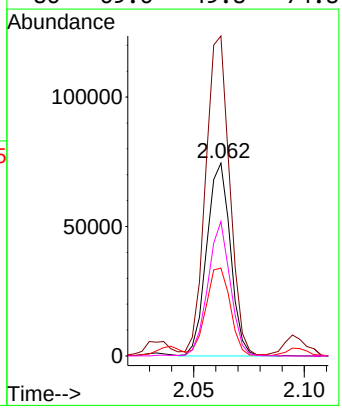


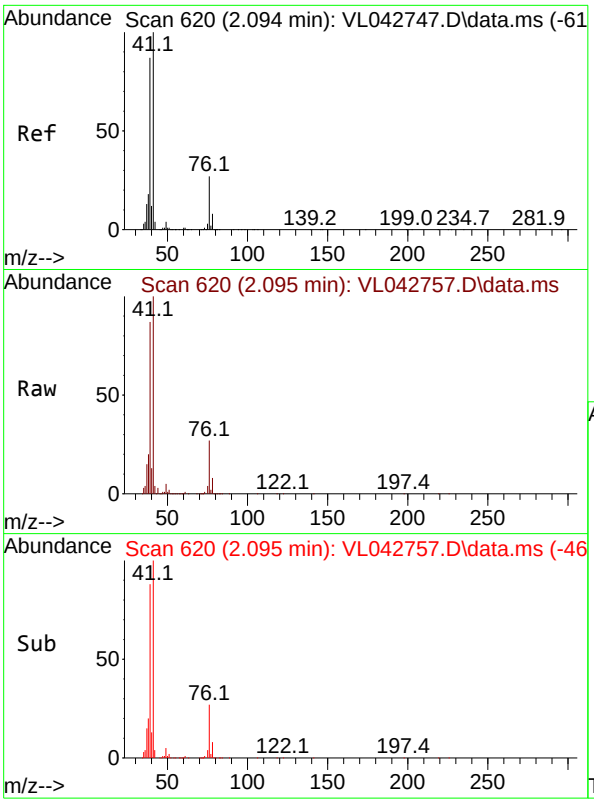


#20
Methylene Chloride
Concen: 8.643 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 84 Resp: 55642

Ion	Ratio	Lower	Upper
84	100		
49	163.9	138.6	208.0
51	44.6	40.6	61.0
86	69.6	49.8	74.8

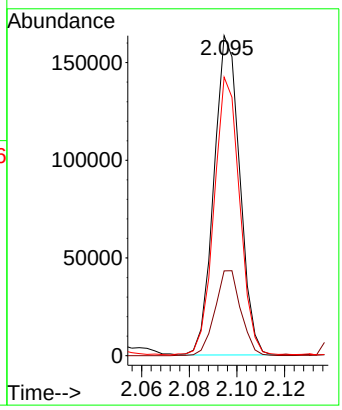




#21
Allyl Chloride
Concen: 9.778 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 41 Resp: 12311

Ion	Ratio	Lower	Upper
41	100		
76	26.7	21.1	31.7
39	86.4	68.3	102.5



Instrument :
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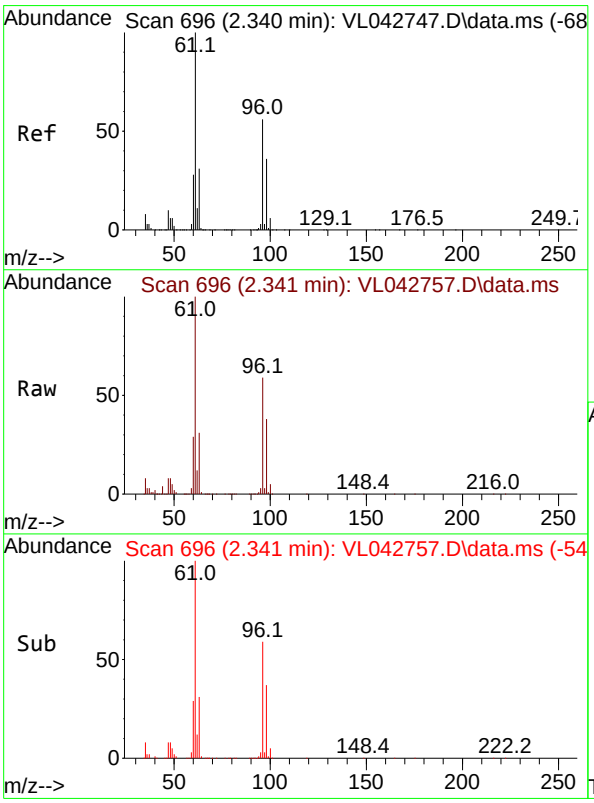
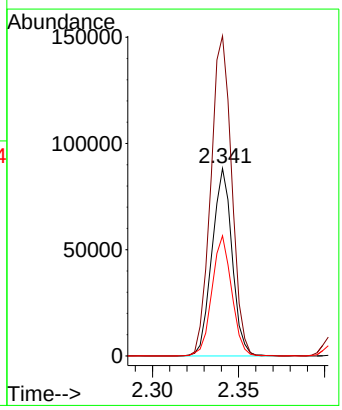
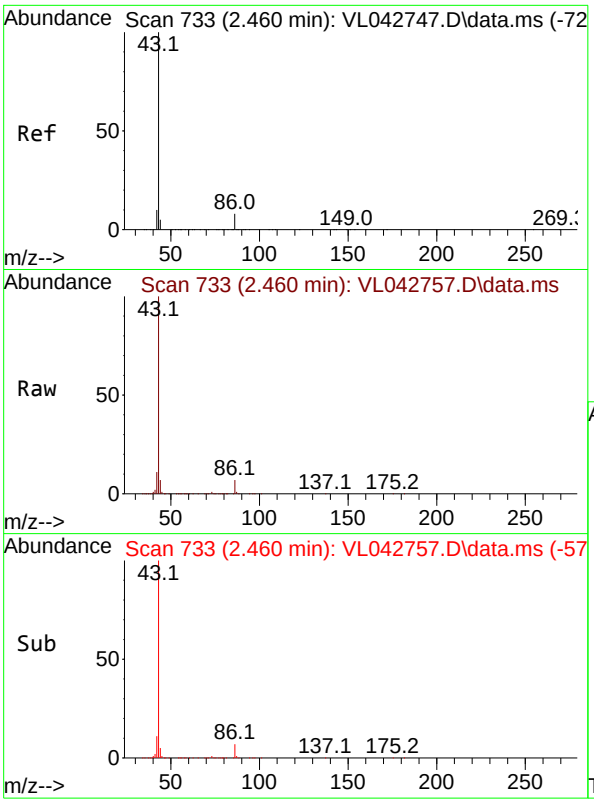


#22
trans-1,2-Dichloroethene
Concen: 9.641 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 96 Resp: 71805

Ion	Ratio	Lower	Upper
96	100		
61	170.6	142.3	213.5
98	64.1	50.6	76.0

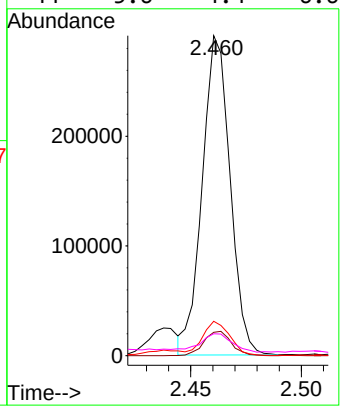




#23
Vinyl Acetate
Concen: 10.279 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 25458

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.1	9.1
42	10.7	7.8	11.8
44	5.6	4.4	6.6



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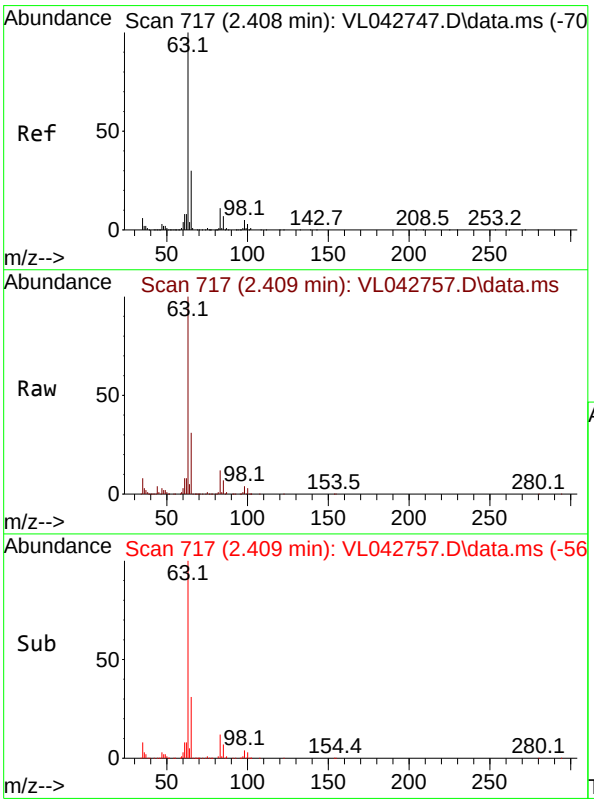
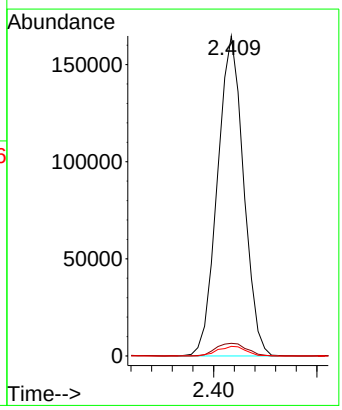
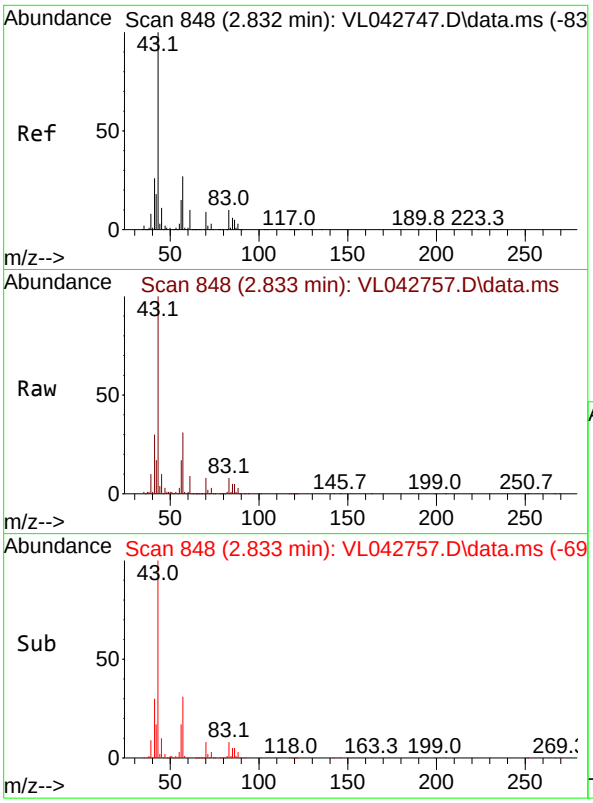


#24
1,1-Dichloroethane
Concen: 9.481 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 63 Resp: 144940

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.5	7.4
100	3.0	1.6	4.8

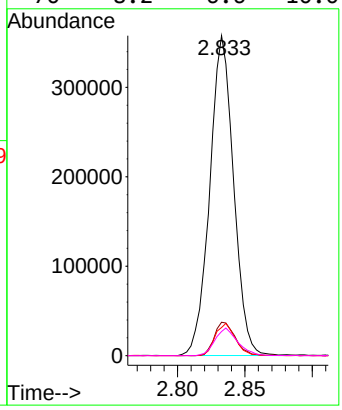




#25
Ethyl Acetate
Concen: 9.735 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 44022

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	8.7	6.7	10.1
70	8.2	6.6	10.0



Instrument :
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ClientSampleId :
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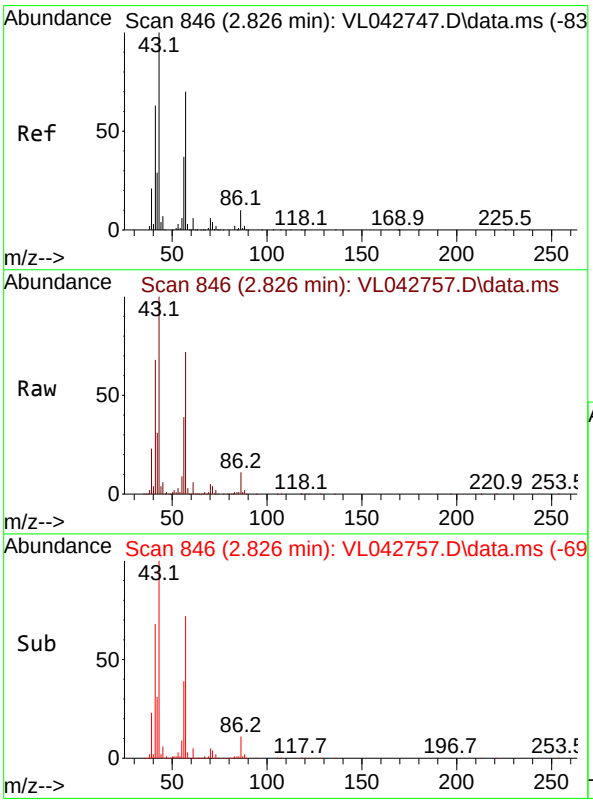
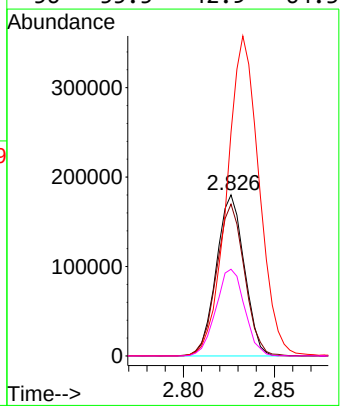
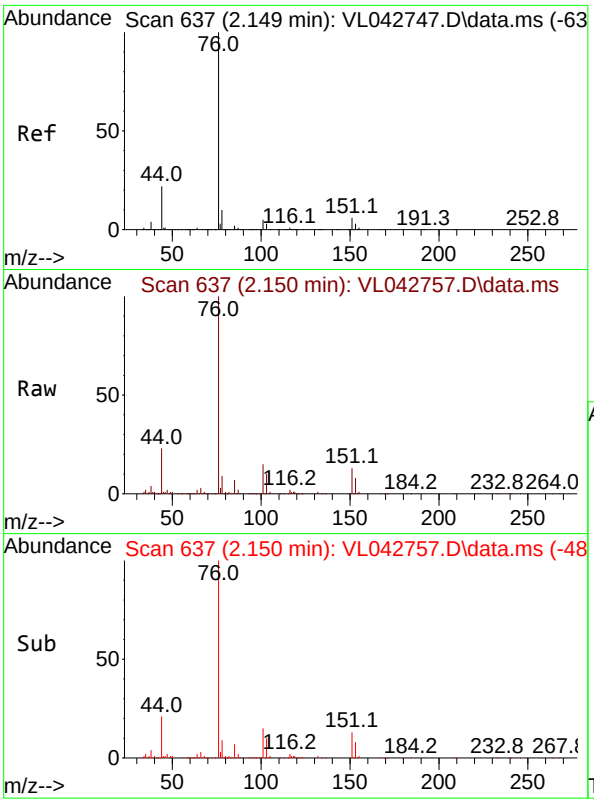


#26
Hexane
Concen: 9.663 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 57 Resp: 191695

Ion	Ratio	Lower	Upper
57	100		
41	95.2	75.4	113.2
43	231.3	185.0	277.6
56	55.5	42.9	64.3

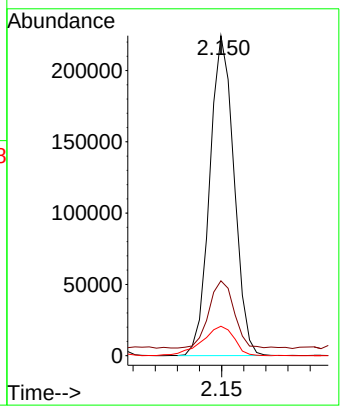




#27
Carbon Disulfide
Concen: 10.077 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 76 Resp: 17113

Ion	Ratio	Lower	Upper
76	100		
44	24.4	19.3	28.9
78	12.2	9.9	14.9



Instrument :
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ClientSampleId :
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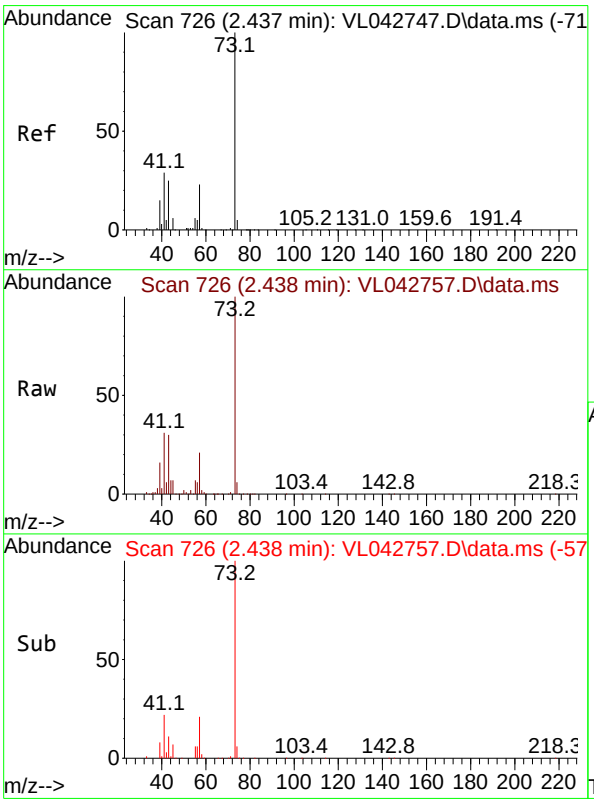
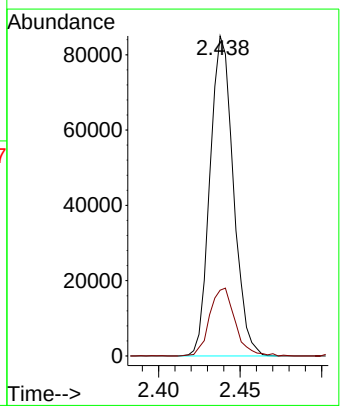
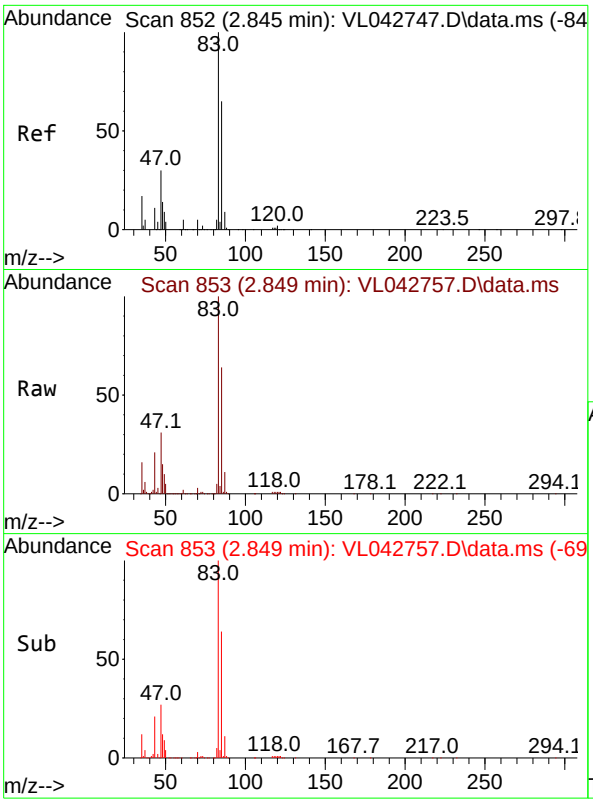


#28
Methyl tert-Butyl Ether
Concen: 9.034 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 73 Resp: 84661

Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.8	29.8

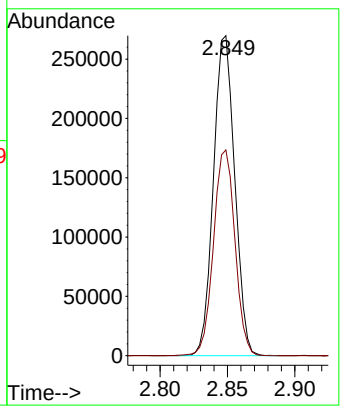




#29
Chloroform
Concen: 9.669 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 83 Resp: 29637

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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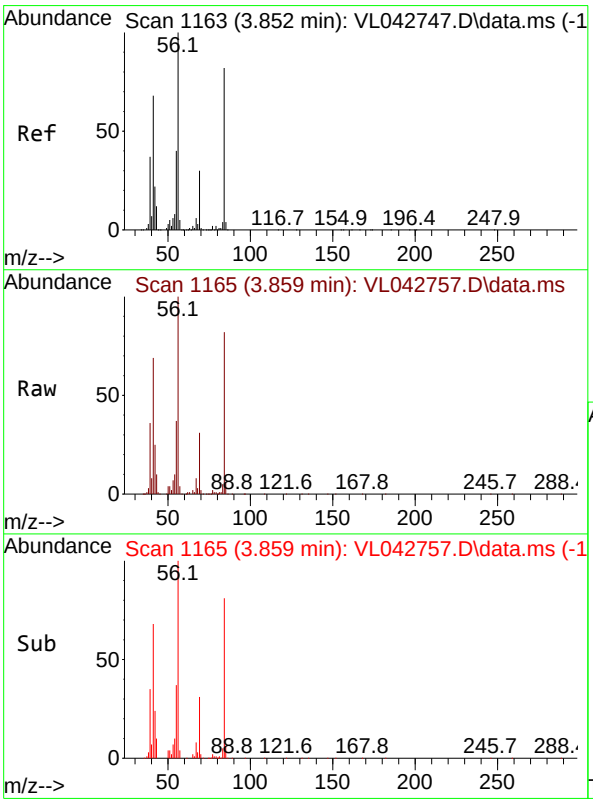
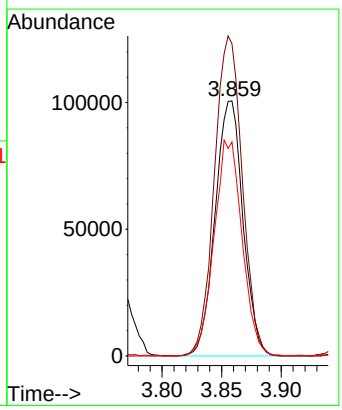
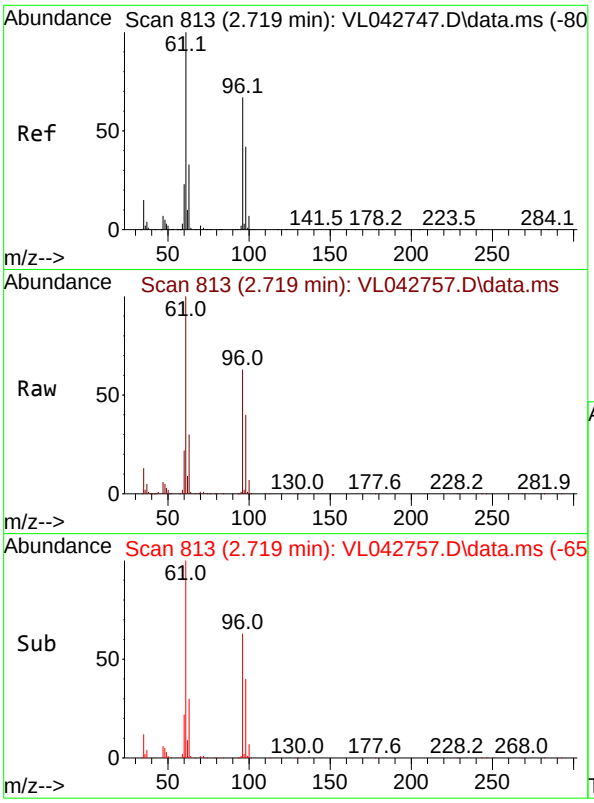


#30
Cyclohexane
Concen: 9.735 ppbv
RT: 3.859 min Scan# 1165
Delta R.T. 0.007 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 84 Resp: 163787

Ion	Ratio	Lower	Upper
84	100		
56	125.7	97.5	146.3
41	85.4	67.2	100.8

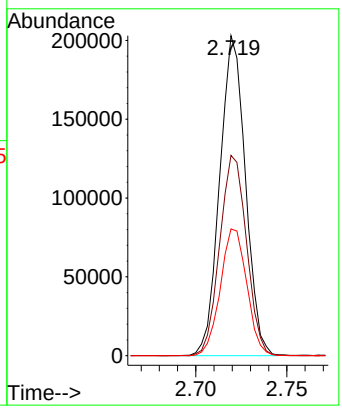




#31
cis-1,2-Dichloroethene
Concen: 9.769 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 61 Resp: 19912

Ion	Ratio	Lower	Upper
61	100		
96	62.6	53.5	80.3
98	39.6	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
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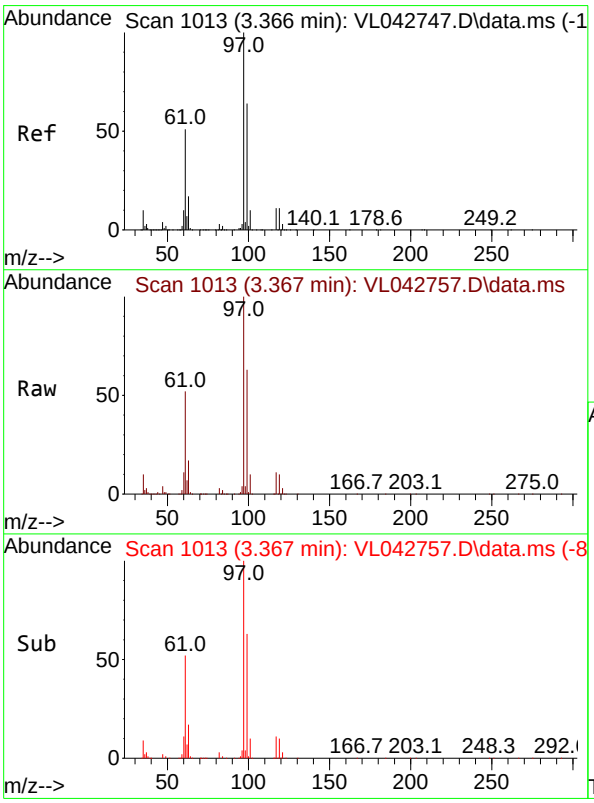
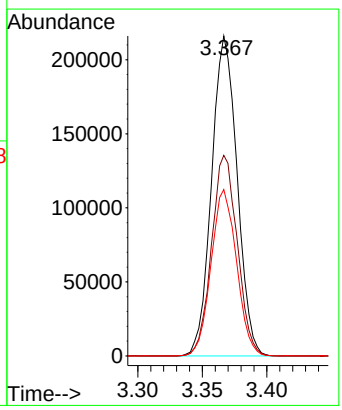
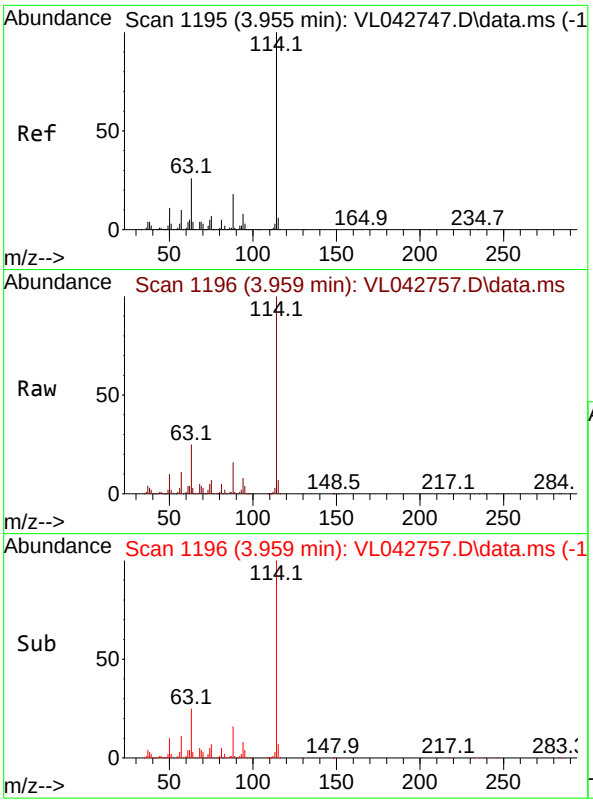


#32
1,1,1-Trichloroethane
Concen: 9.316 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 97 Resp: 297466

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	52.0	40.9	61.3

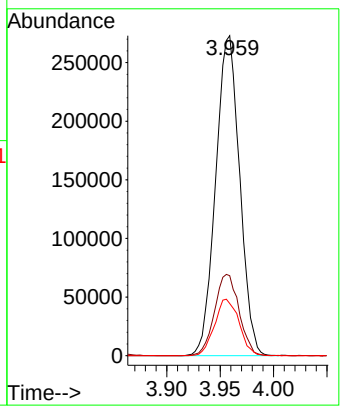




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:114 Resp: 42721

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	18.1	14.0	21.0



Instrument :
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ClientSampleId :
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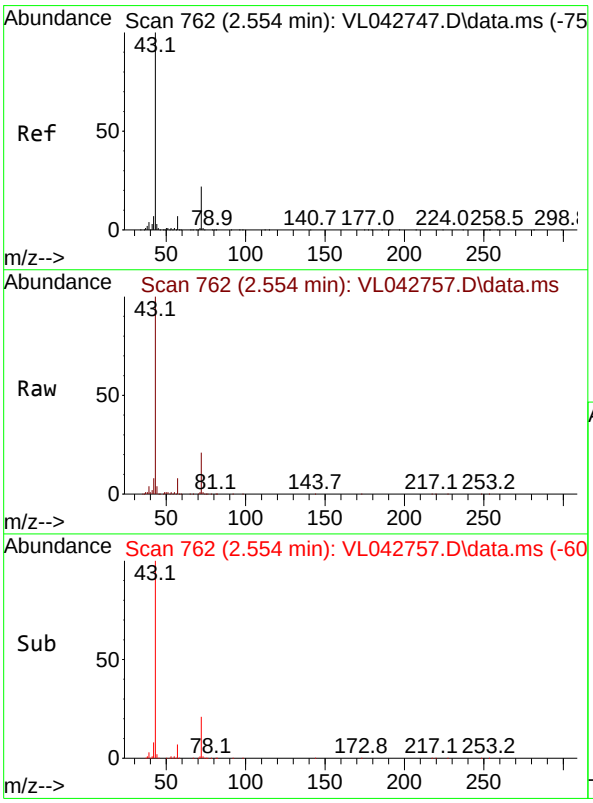
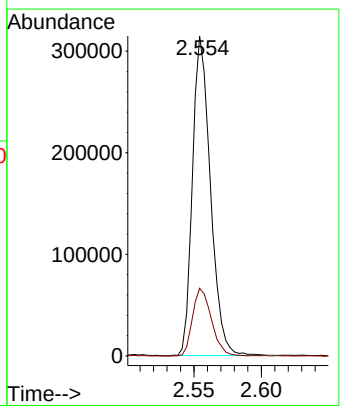
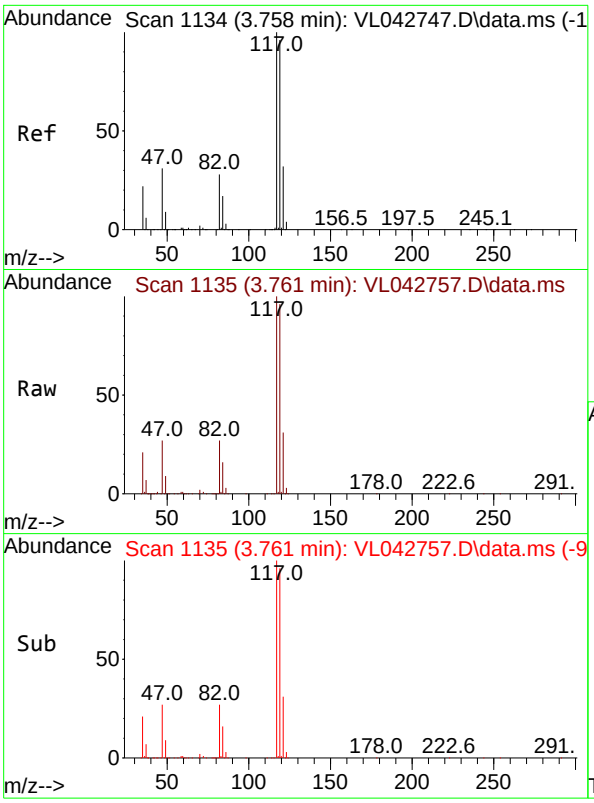


#34
2-Butanone
Concen: 9.619 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 291075

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.4	26.0

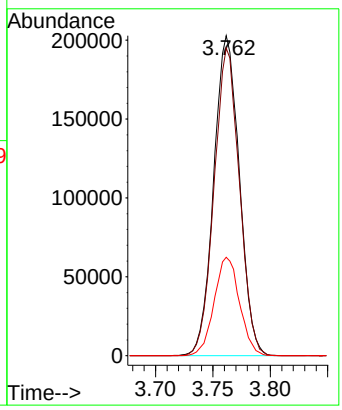




#35
Carbon Tetrachloride
Concen: 9.908 ppbv
RT: 3.761 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:117 Resp: 31440

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	30.8	25.5	38.3



Instrument :
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ClientSampleId :
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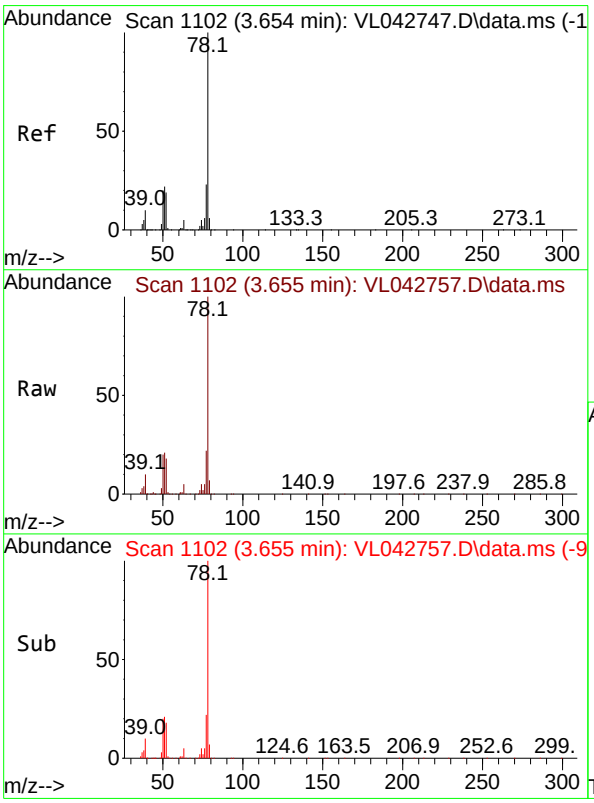
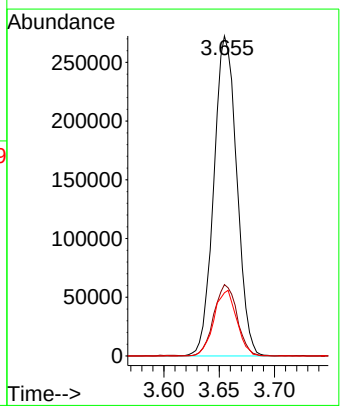
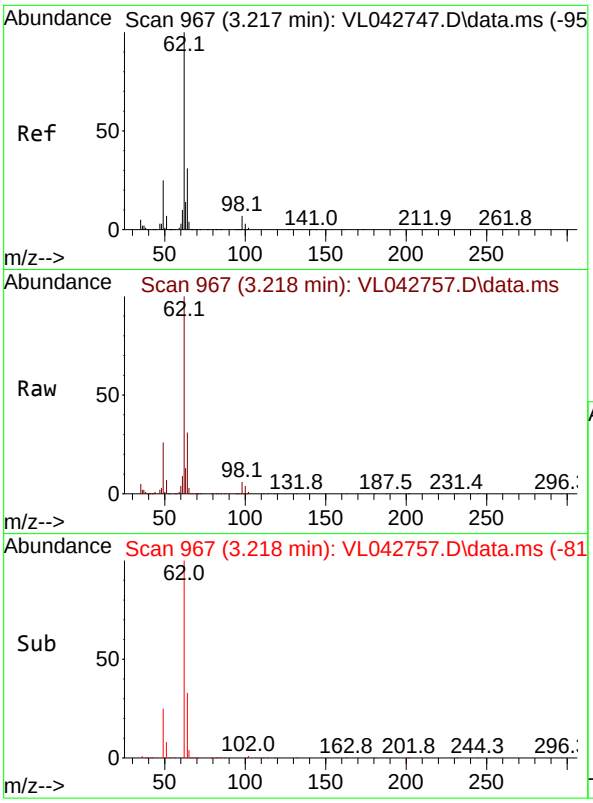


#36
Benzene
Concen: 9.711 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 78 Resp: 393168

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.5	27.7
50	19.8	16.2	24.2

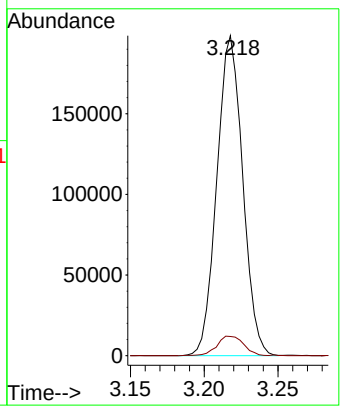




#37
1,2-Dichloroethane
Concen: 9.914 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 62 Resp: 24180

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.2	7.8



Instrument :
MSVOA_L
ClientSampleId :
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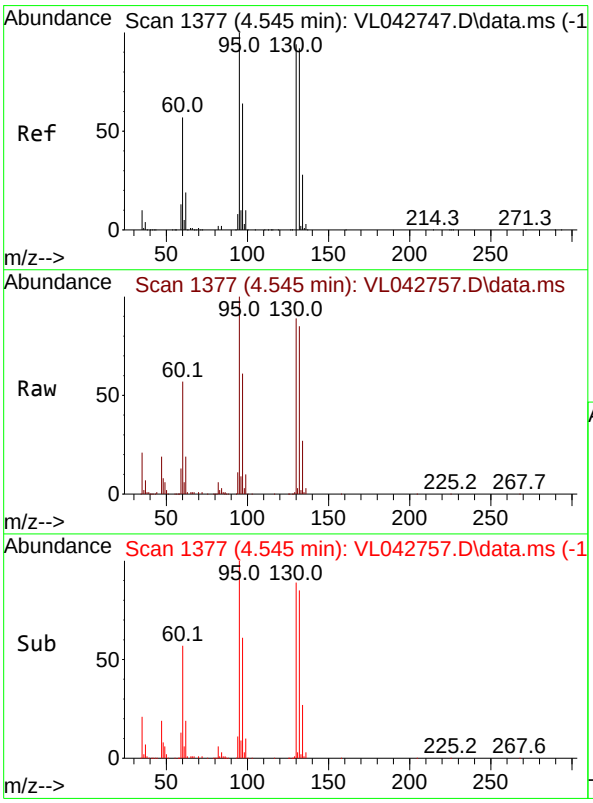
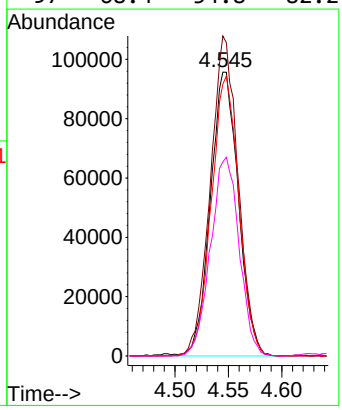
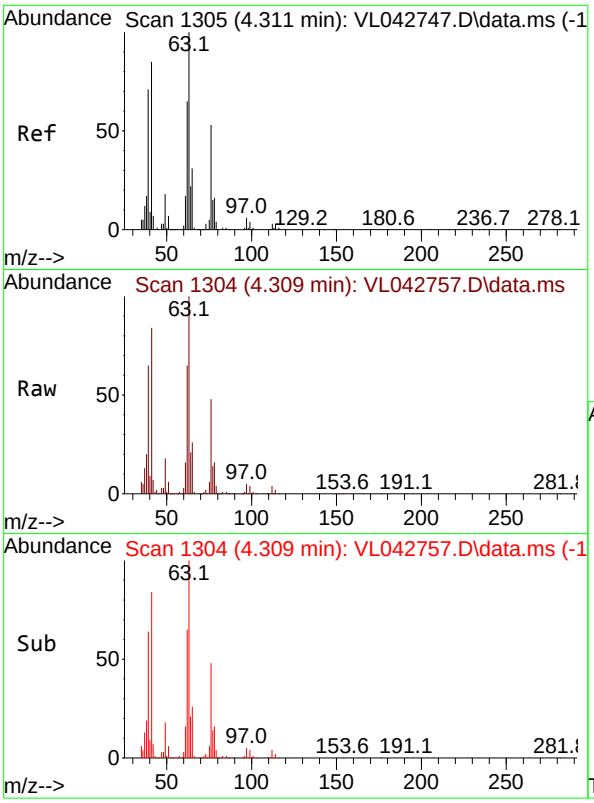


#38
Trichloroethene
Concen: 8.945 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:130 Resp: 173991

Ion	Ratio	Lower	Upper
130	100		
95	112.7	85.4	128.2
132	95.7	78.2	117.2
97	68.4	54.8	82.2

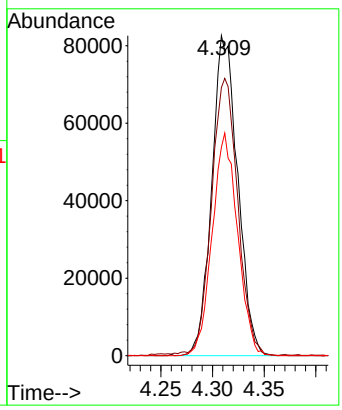




#39
1,2-Dichloropropane
Concen: 9.637 ppbv
RT: 4.309 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 63 Resp: 14402

Ion	Ratio	Lower	Upper
63	100		
41	83.7	68.2	102.4
62	65.1	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
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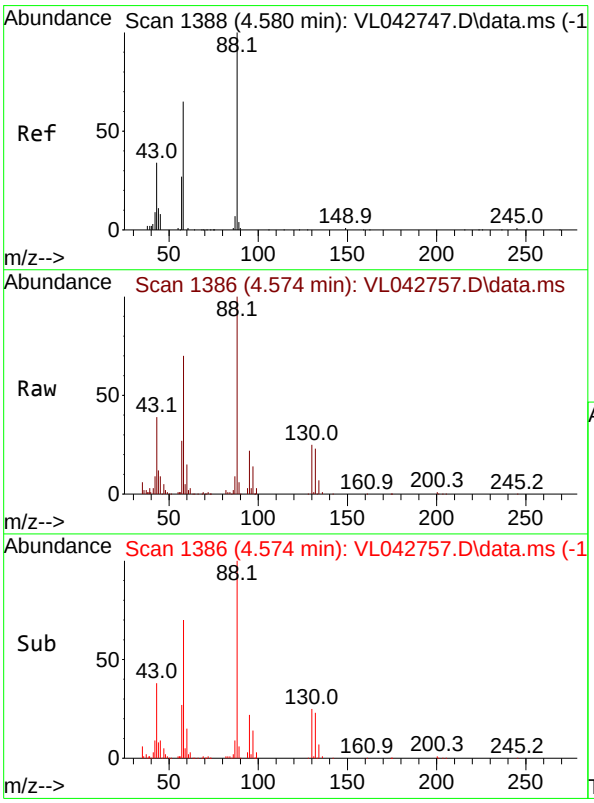
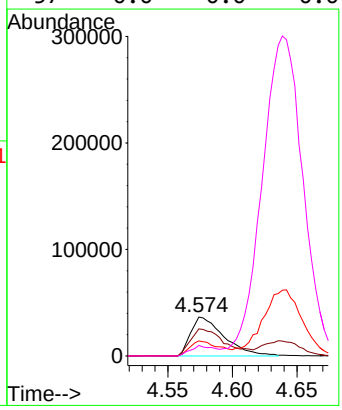
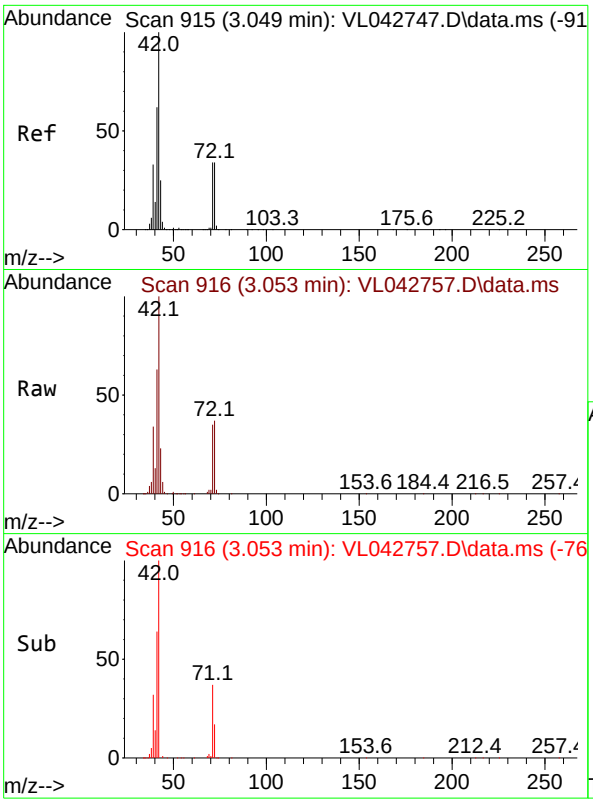


#40
1,4-Dioxane
Concen: 9.450 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 88 Resp: 65828

Ion	Ratio	Lower	Upper
88	100		
58	69.2	58.8	88.2
43	35.3	28.9	43.3
57	0.0	0.0	0.0

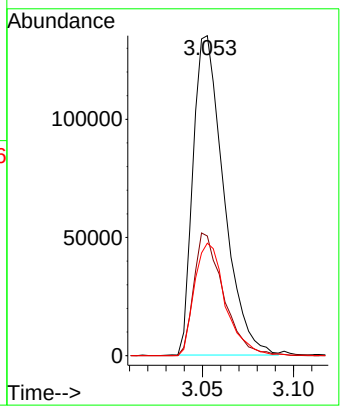




#41
Tetrahydrofuran
Concen: 10.290 ppbv
RT: 3.053 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 42 Resp: 15845

Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.9	46.3
71	35.8	28.6	43.0



Instrument :
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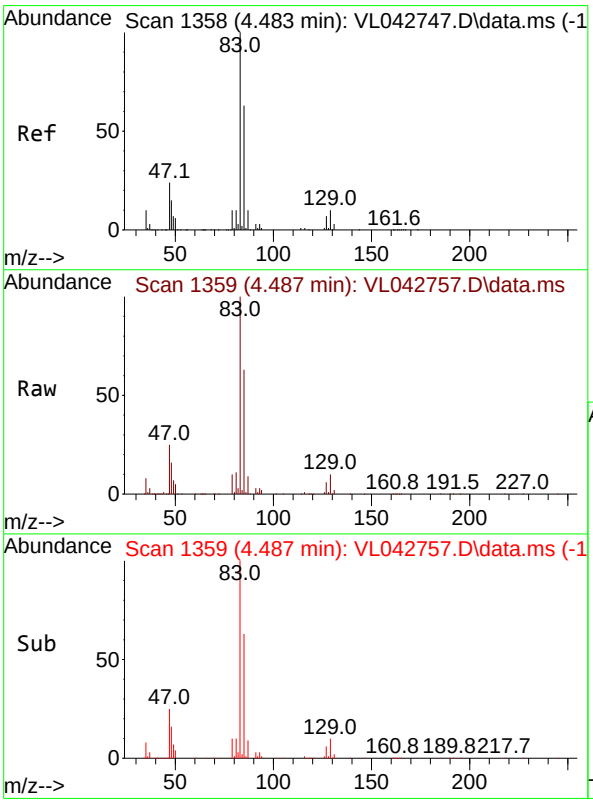
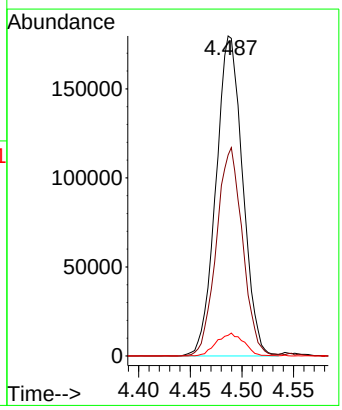
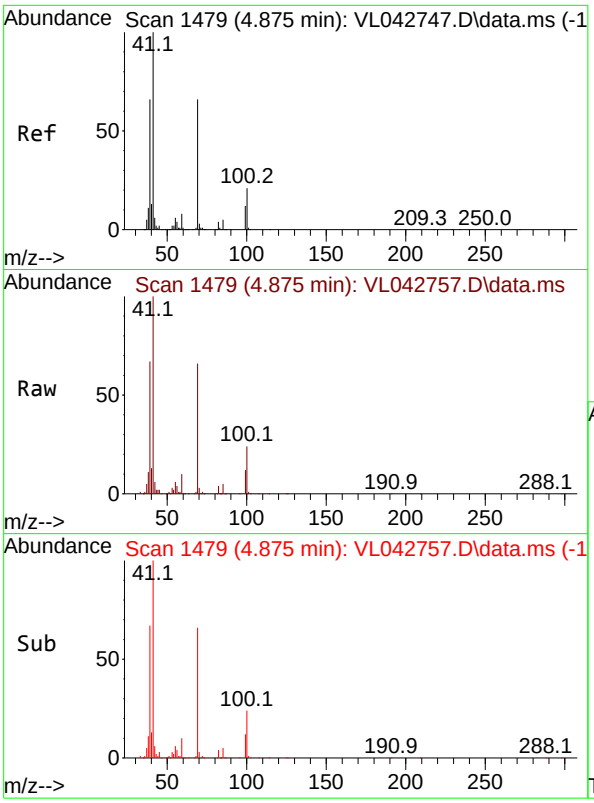


#42
Bromodichloromethane
Concen: 10.190 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 83 Resp: 323680

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	6.4	5.4	8.2

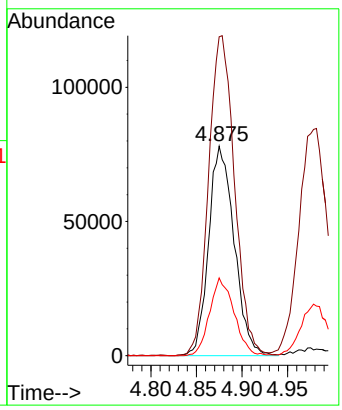




#43
Methyl Methacrylate
Concen: 10.582 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 69 Resp: 15228

Ion	Ratio	Lower	Upper
69	100		
41	154.8	125.7	188.5
100	35.6	28.6	42.8



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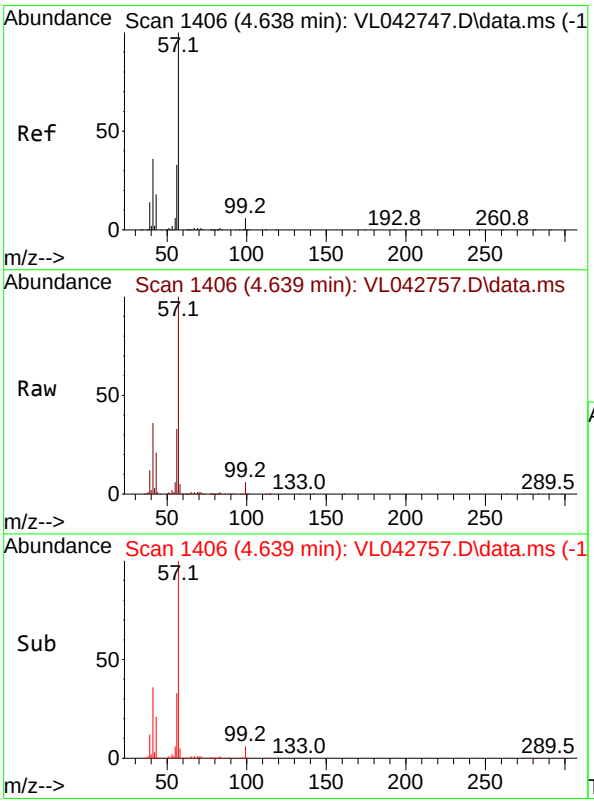
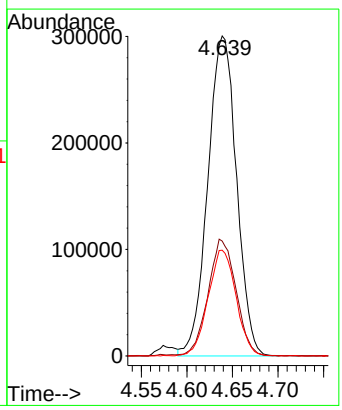
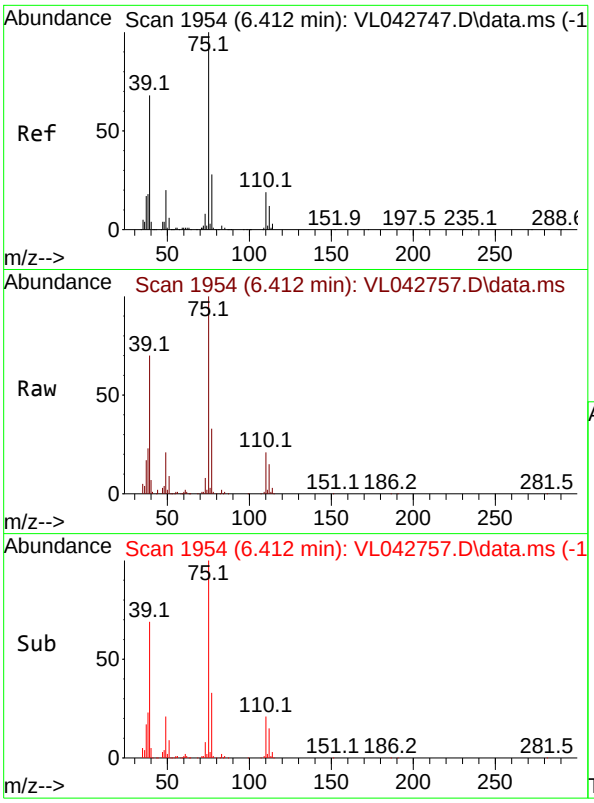


#44
2,2,4-Trimethylpentane
Concen: 9.990 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 57 Resp: 659271

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.3	42.5
56	32.2	25.8	38.6

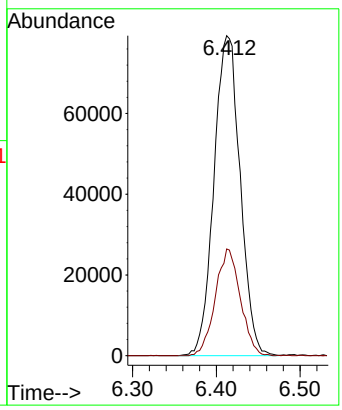




#45
t-1,3-Dichloropropene
Concen: 10.662 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 75 Resp: 17206

Ion	Ratio	Lower	Upper
75	100		
77	33.4	22.4	33.6



Instrument :
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ClientSampleId :
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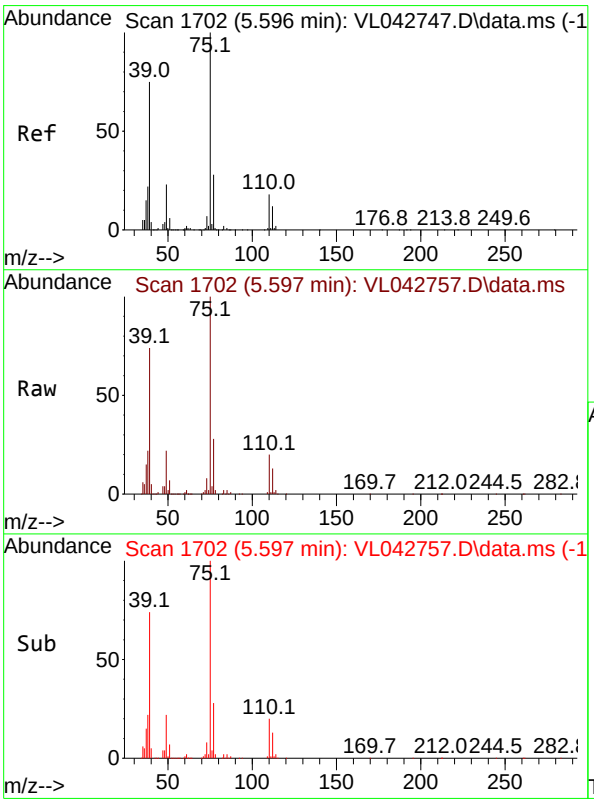
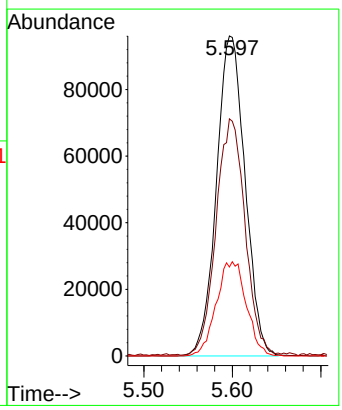
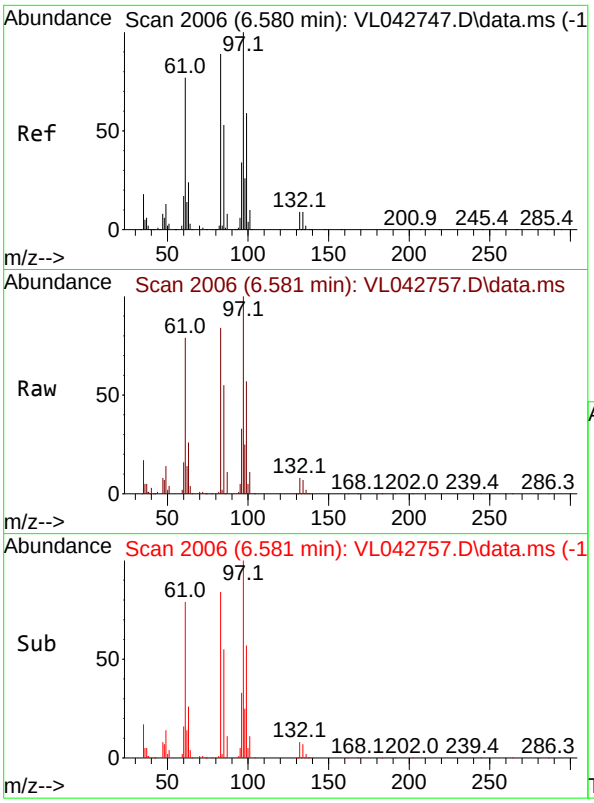


#46
cis-1,3-Dichloropropene
Concen: 10.554 ppbv
RT: 5.597 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 75 Resp: 215829

Ion	Ratio	Lower	Upper
75	100		
39	73.6	60.2	90.2
77	27.8	22.6	34.0

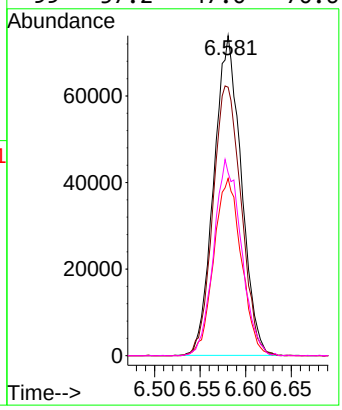




#47
1,1,2-Trichloroethane
Concen: 9.676 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 97 Resp: 15415

Ion	Ratio	Lower	Upper
97	100		
83	84.0	71.1	106.7
85	55.4	43.0	64.4
99	57.2	47.0	70.6



Instrument :
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ClientSampleId :
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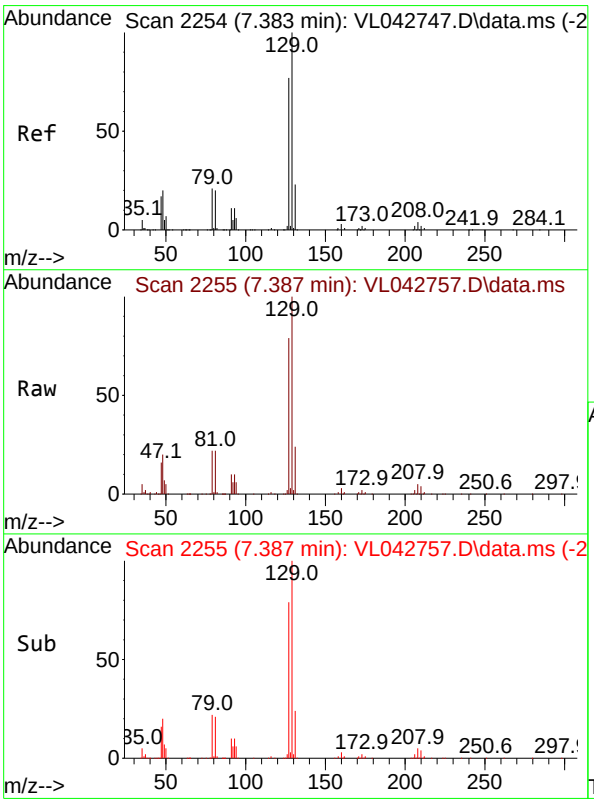
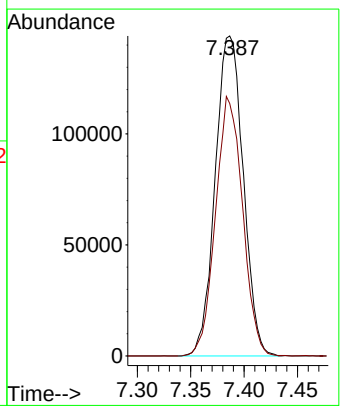
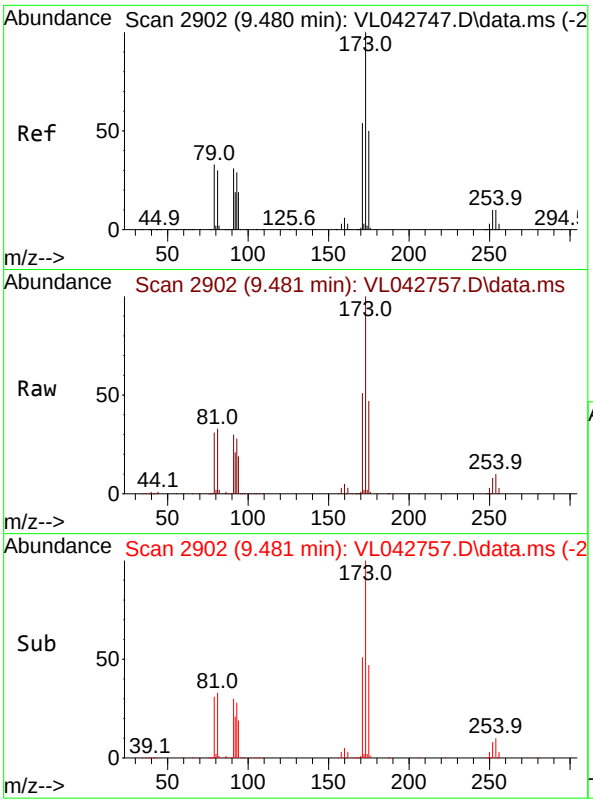


#48
Dibromochloromethane
Concen: 10.419 ppbv
RT: 7.387 min Scan# 2255
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:129 Resp: 263525

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.7	116.1

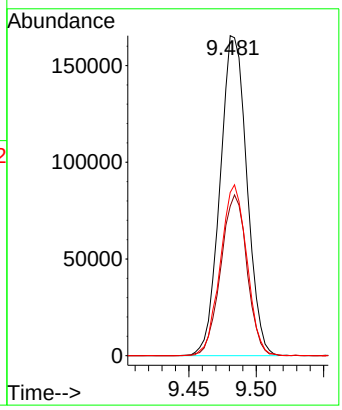




#49
Bromoform
Concen: 10.390 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:173 Resp: 22912

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.4	57.6
171	52.7	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
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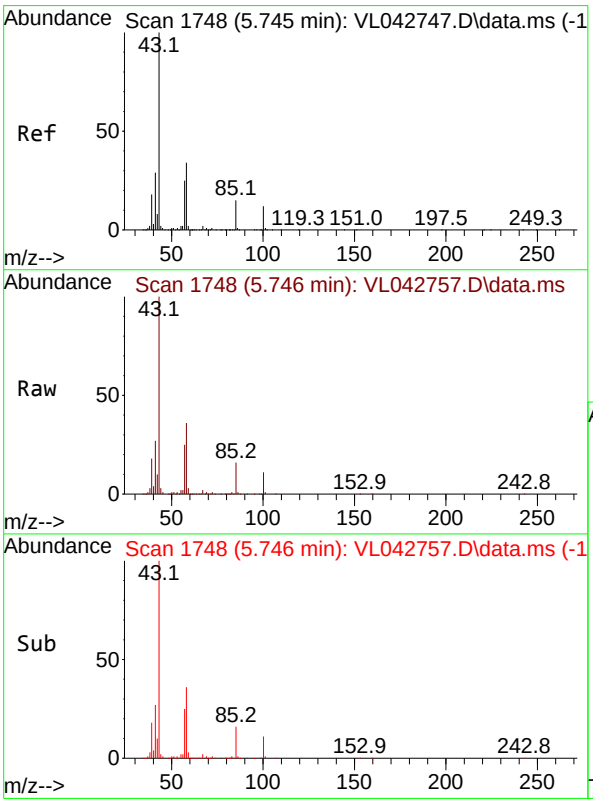
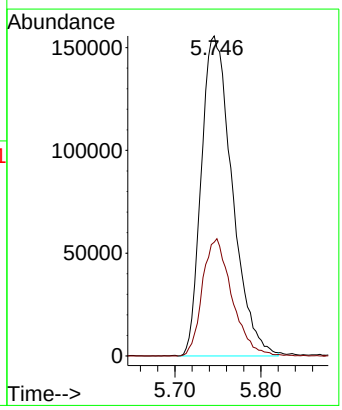
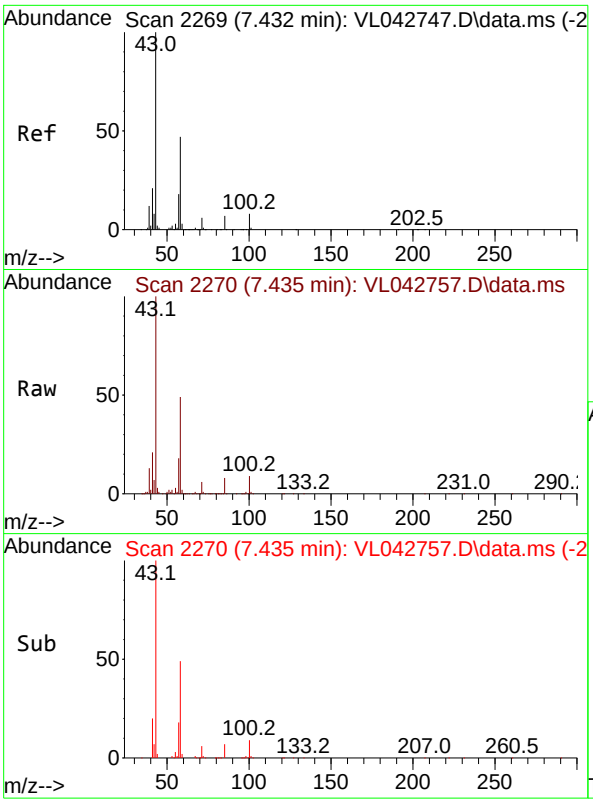


#50
4-Methyl-2-Pentanone
Concen: 9.953 ppbv
RT: 5.746 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 387968

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.8	41.8





#51
2-Hexanone
Concen: 10.761 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 31700

Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.0	57.0
98	0.5	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
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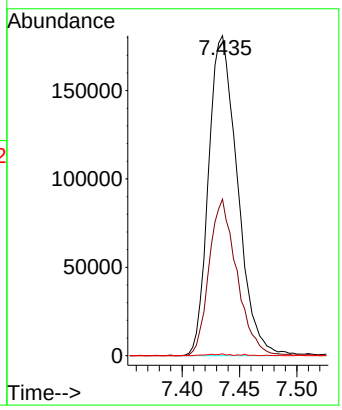
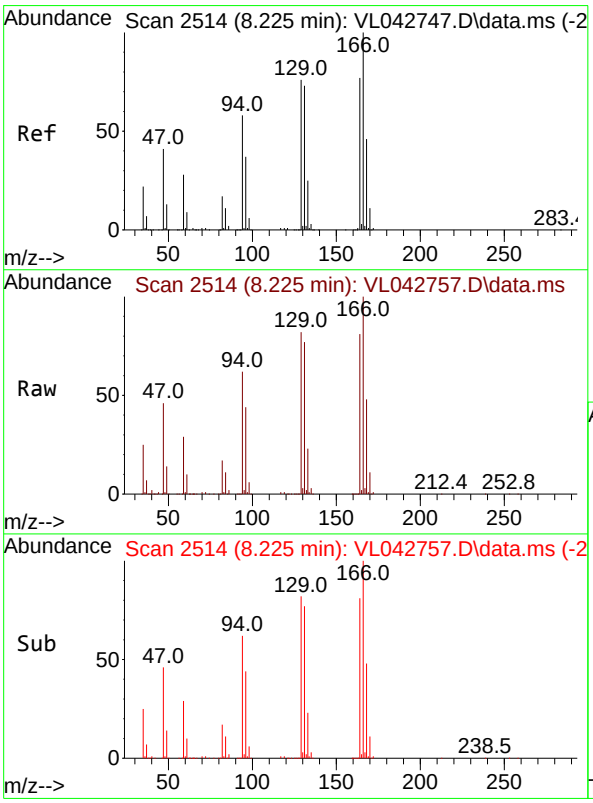
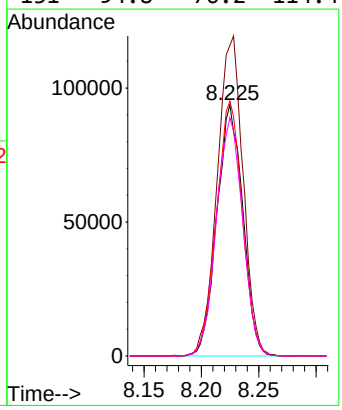


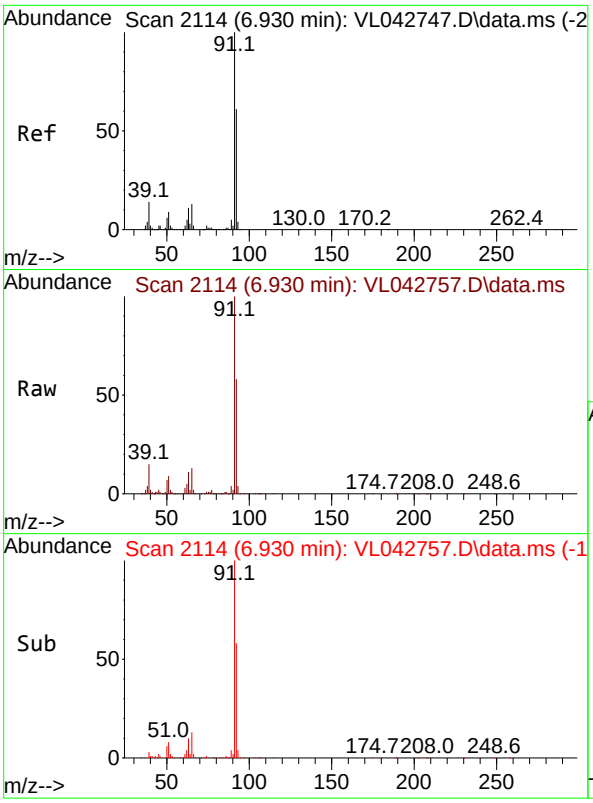


#52
Tetrachloroethene
Concen: 8.758 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:164 Resp: 146976

Ion	Ratio	Lower	Upper
164	100		
166	123.6	104.0	156.0
129	101.5	79.2	118.8
131	94.8	76.2	114.4

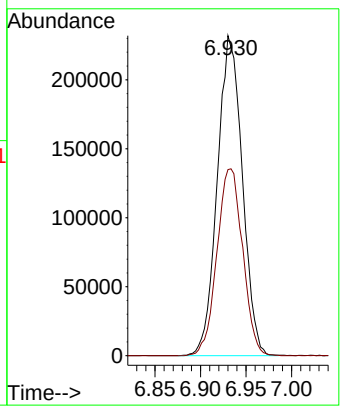




#53
Toluene
Concen: 10.175 ppbv
RT: 6.930 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 44240

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.0	72.0



Instrument :
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ClientSampleId :
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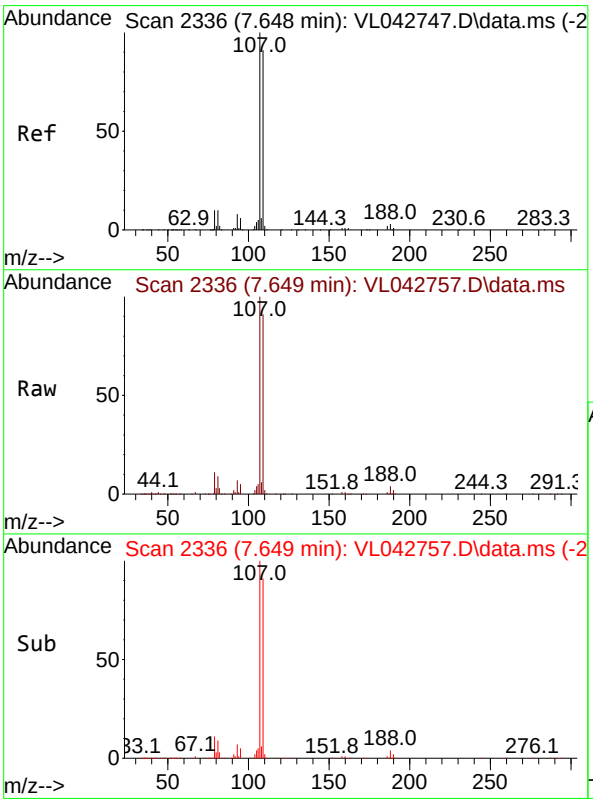
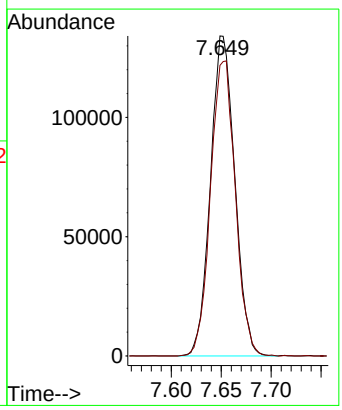
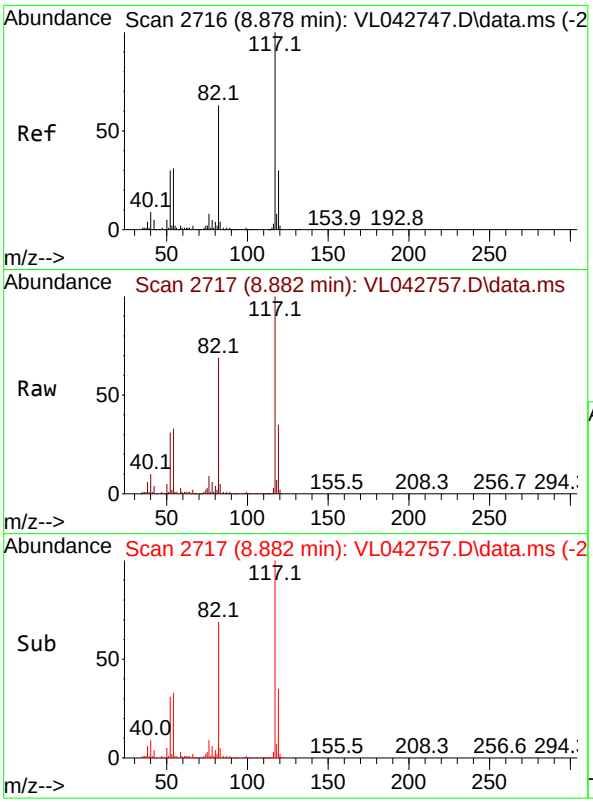


#54
1,2-Dibromoethane
Concen: 10.094 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:107 Resp: 227212

Ion	Ratio	Lower	Upper
107	100		
109	90.8	72.7	109.1

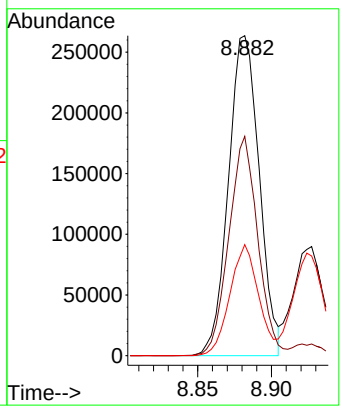




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:117 Resp: 38305

Ion	Ratio	Lower	Upper
117	100		
82	68.0	53.3	79.9
119	32.2	25.8	38.6



Instrument :
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ClientSampleId :
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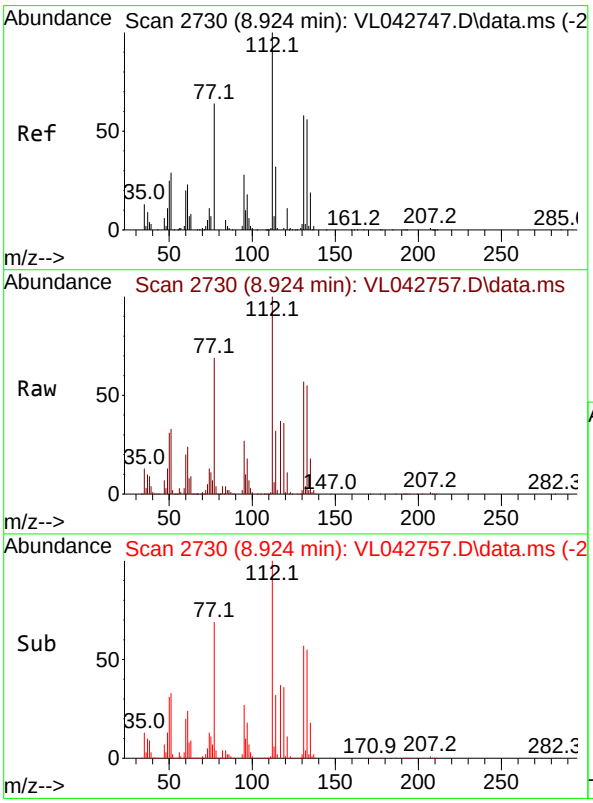
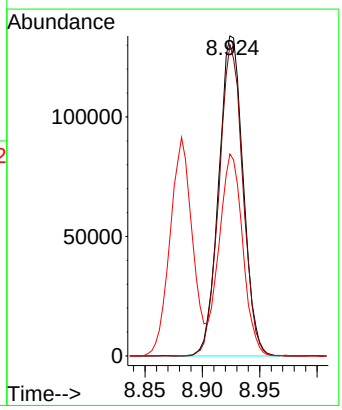
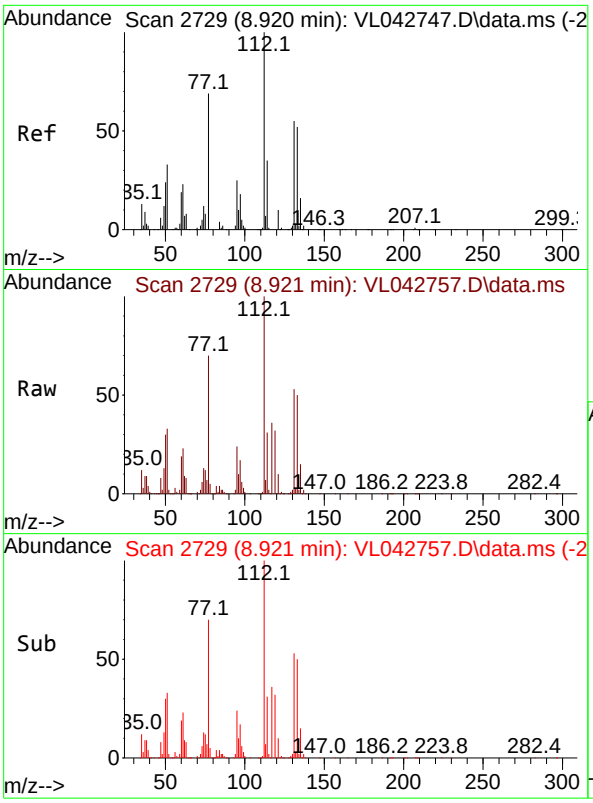


#56
1,1,1,2-Tetrachloroethane
Concen: 9.946 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:131 Resp: 198082

Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.8	115.2
119	61.8	49.7	74.5

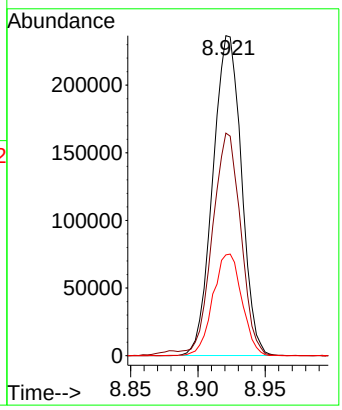




#57
Chlorobenzene
Concen: 9.419 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:112 Resp: 34920

Ion	Ratio	Lower	Upper
112	100		
77	69.5	56.4	84.6
114	31.4	31.2	38.2



Instrument :
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ClientSampleId :
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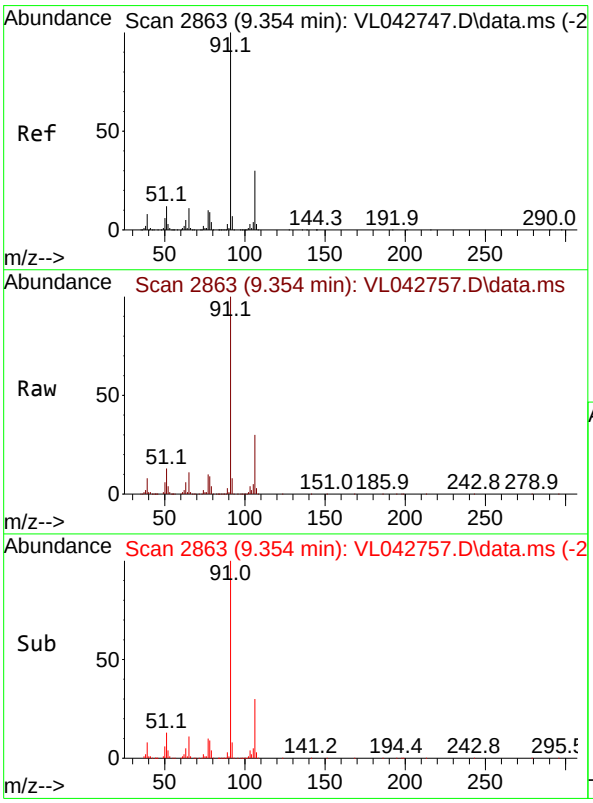
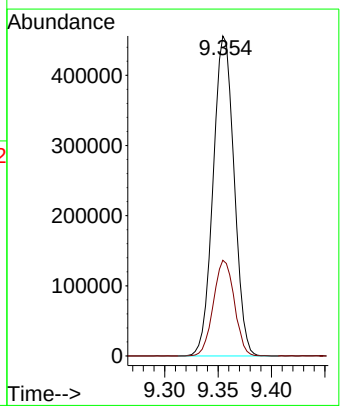
Supervised By :Mahesh Dadoda 07/25/2025

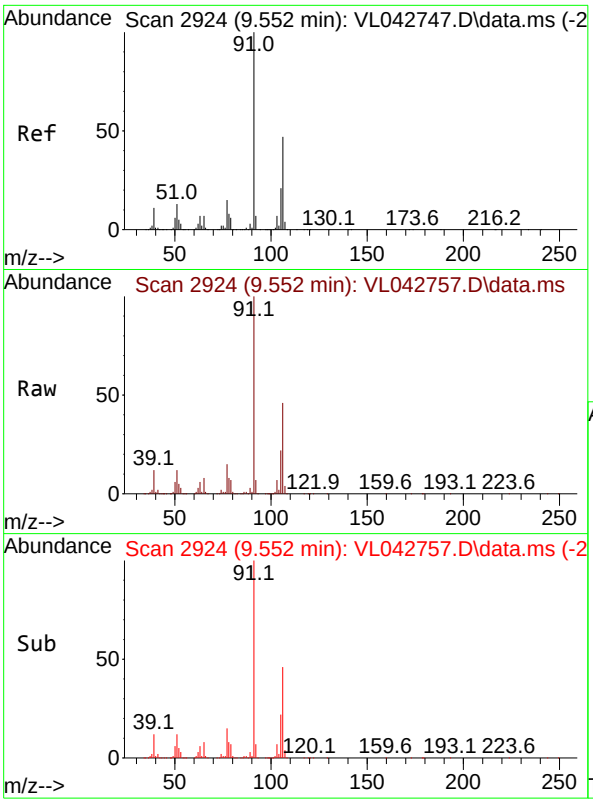


#58
Ethyl Benzene
Concen: 10.298 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 622947

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.6





#59
m/p-Xylene
Concen: 20.800 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 100557

Ion	Ratio	Lower	Upper
91	100		
106	46.6	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
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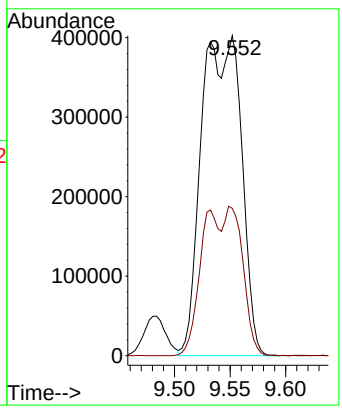
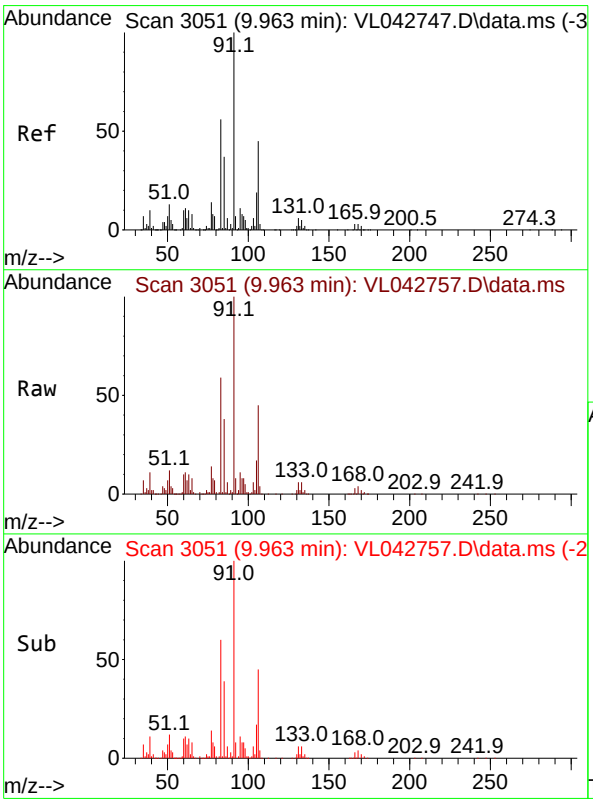
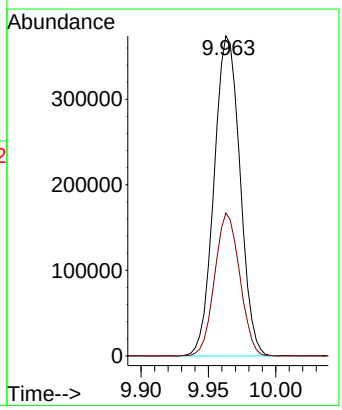


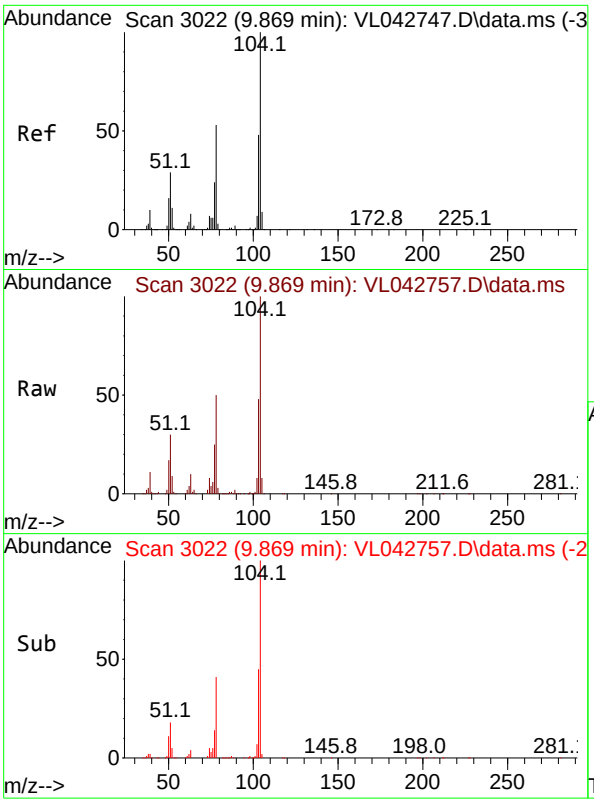


#60
o-Xylene
Concen: 10.353 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 500129

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.0	66.0

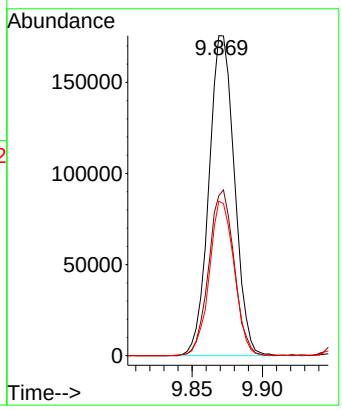




#61
Styrene
Concen: 10.920 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:104 Resp: 22191

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.5	62.3
103	47.2	37.5	56.3



Instrument :
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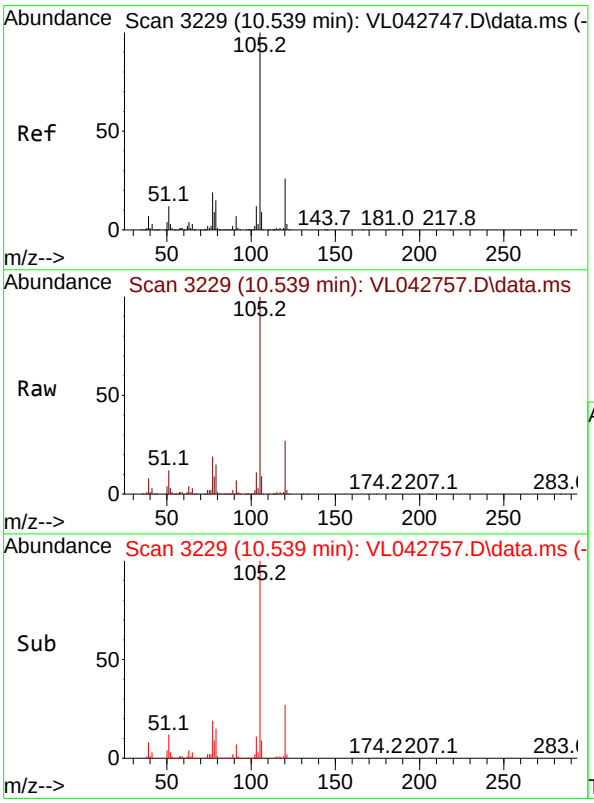
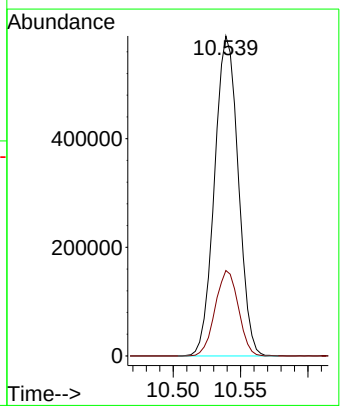
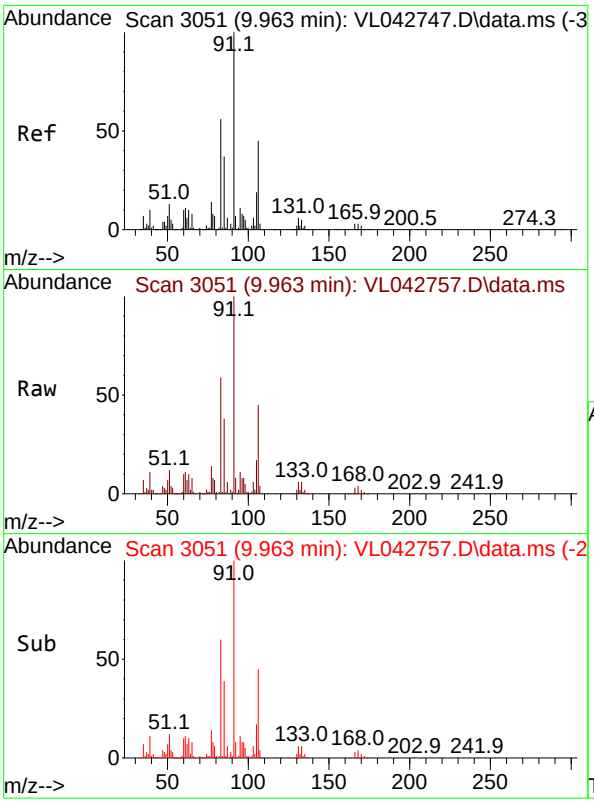


#62
Isopropylbenzene
Concen: 10.134 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 722087

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 9.171 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 83 Resp: 28442

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	63.9	32.6	97.7

Instrument :
MSVOA_L
ClientSampleId :
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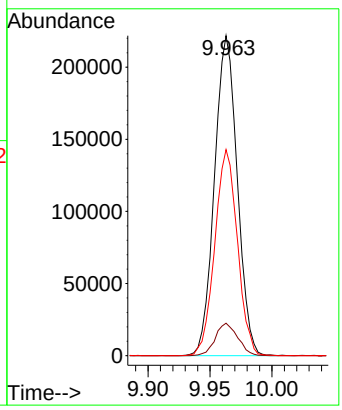
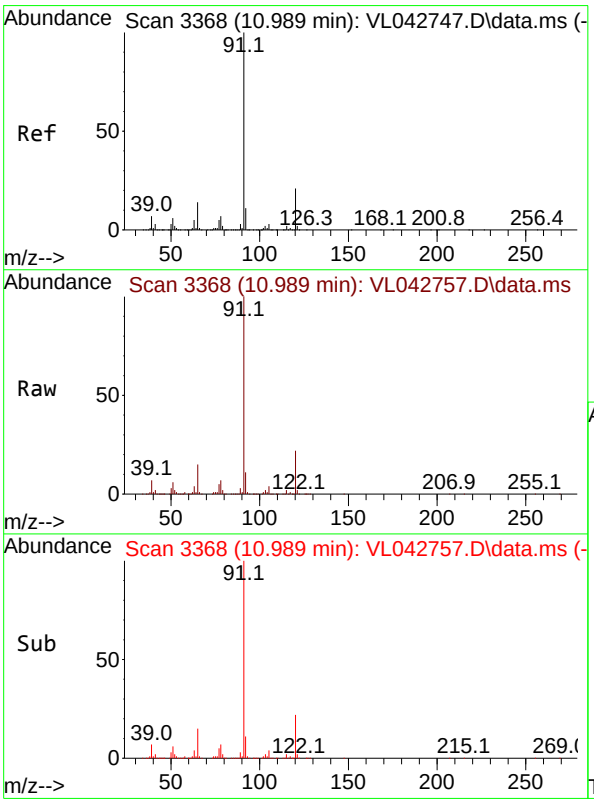
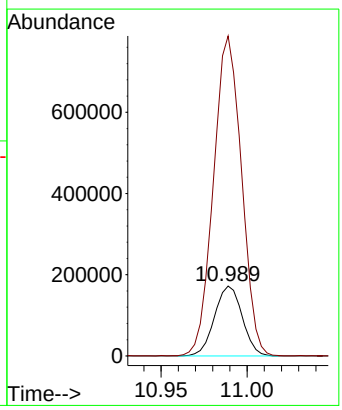


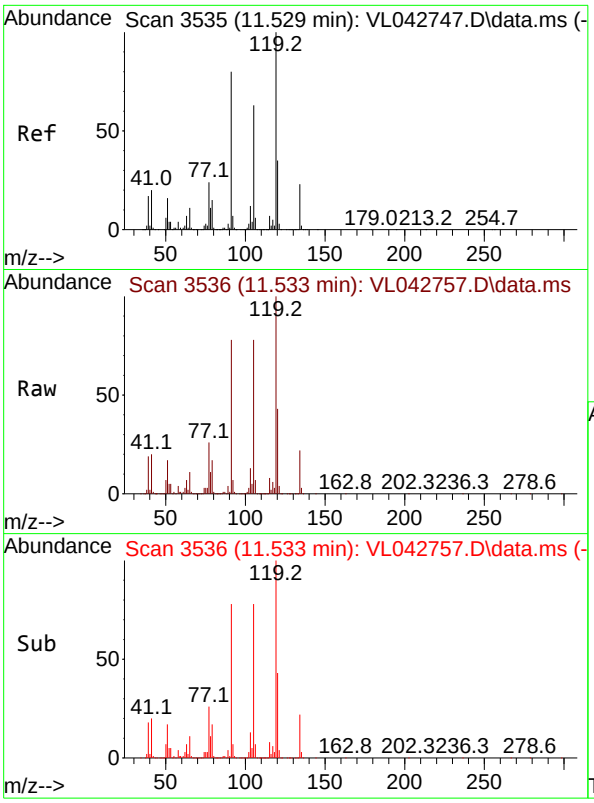


#64
n-propylbenzene
Concen: 10.381 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:120 Resp: 192843

Ion	Ratio	Lower	Upper
120	100		
91	463.5	372.7	559.1

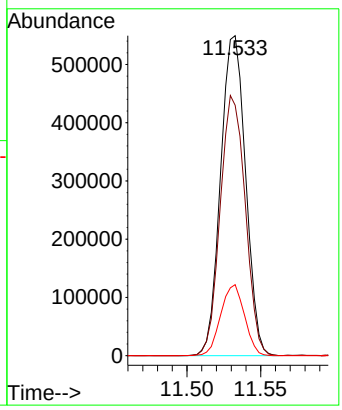




#65
tert-Butylbenzene
Concen: 10.234 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:119 Resp: 64777

Ion	Ratio	Lower	Upper
119	100		
91	81.7	64.0	96.0
134	21.1	17.3	25.9



Instrument :
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ClientSampleId :
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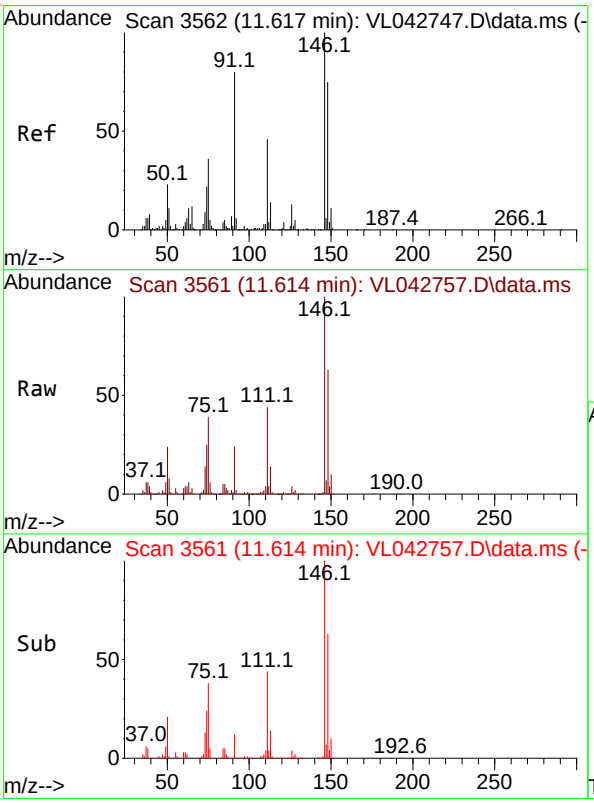
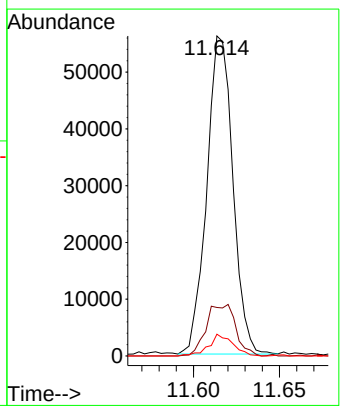
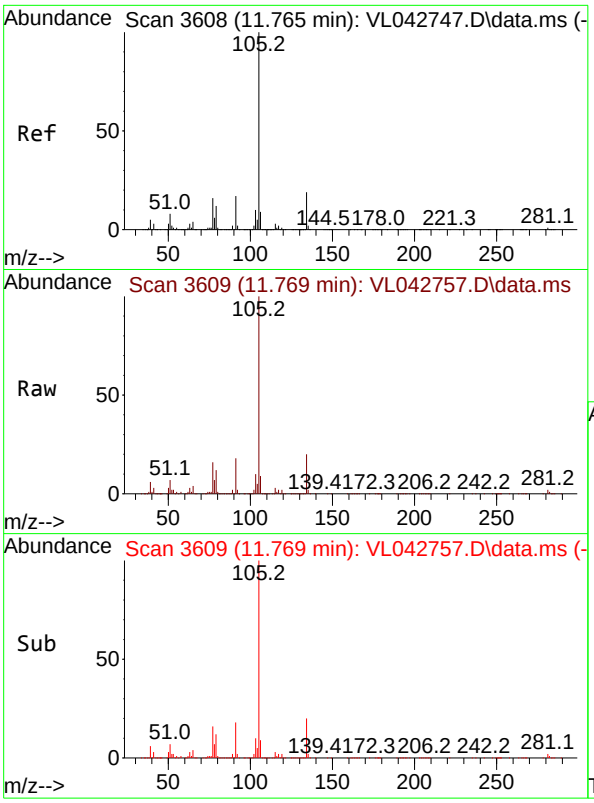


#66
Benzyl Chloride
Concen: 11.381 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 59138

Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.4	21.6
128	6.5	5.2	7.8

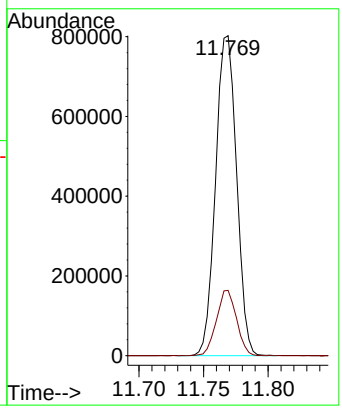




#67
sec-Butylbenzene
Concen: 10.057 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 90536

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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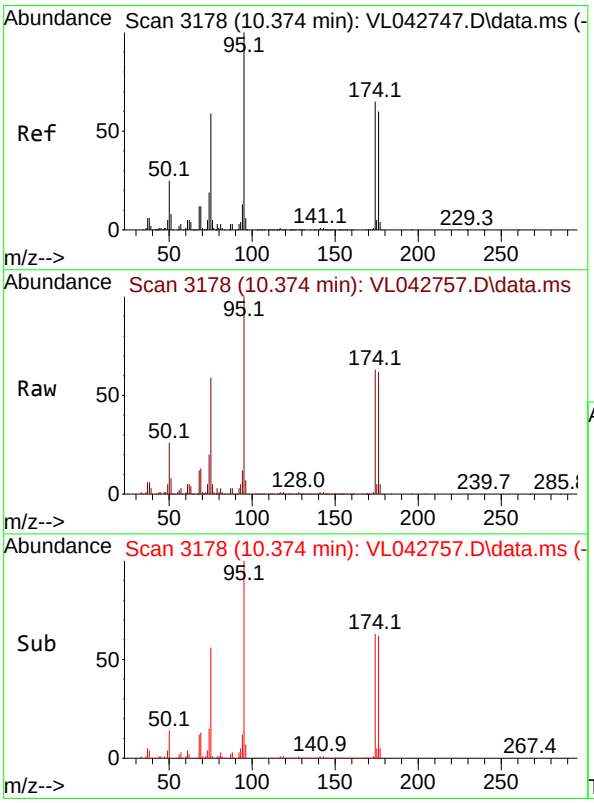
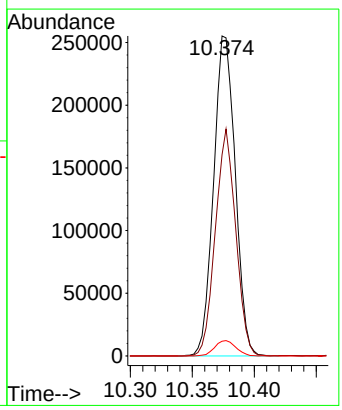
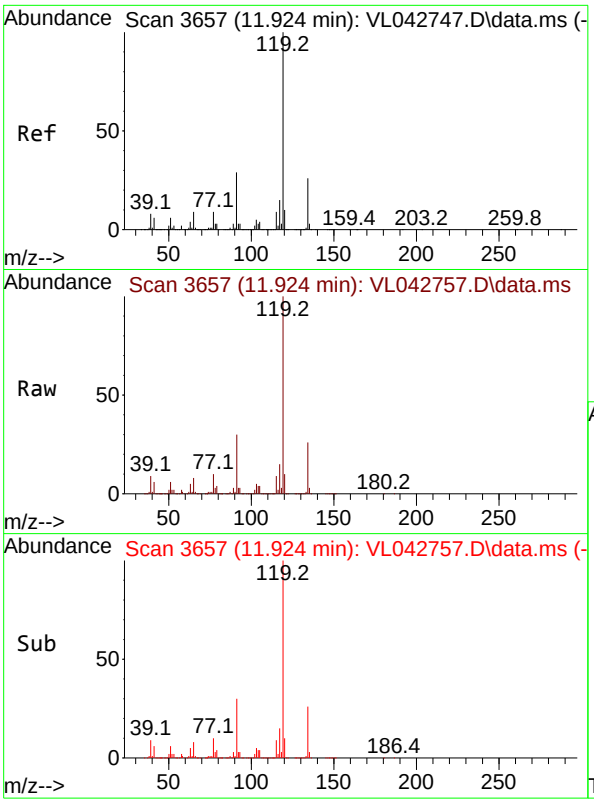


#68
1-Bromo-4-Fluorobenzene
Concen: 10.257 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 95 Resp: 311165

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.8	80.6
175	4.7	4.0	6.0

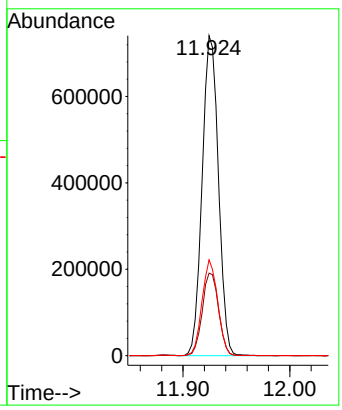




#69
p-Isopropyltoluene
Concen: 10.660 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:119 Resp: 78250

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	29.1	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
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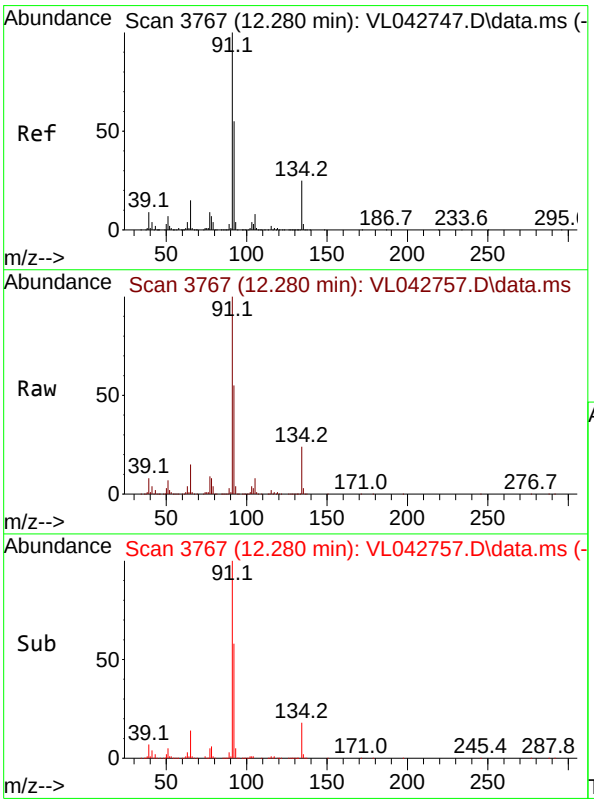
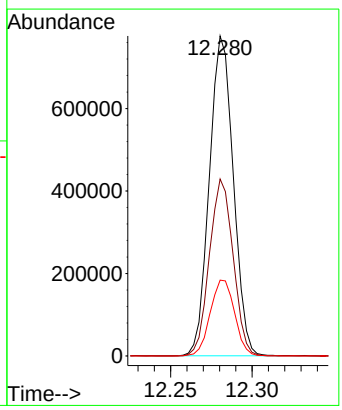
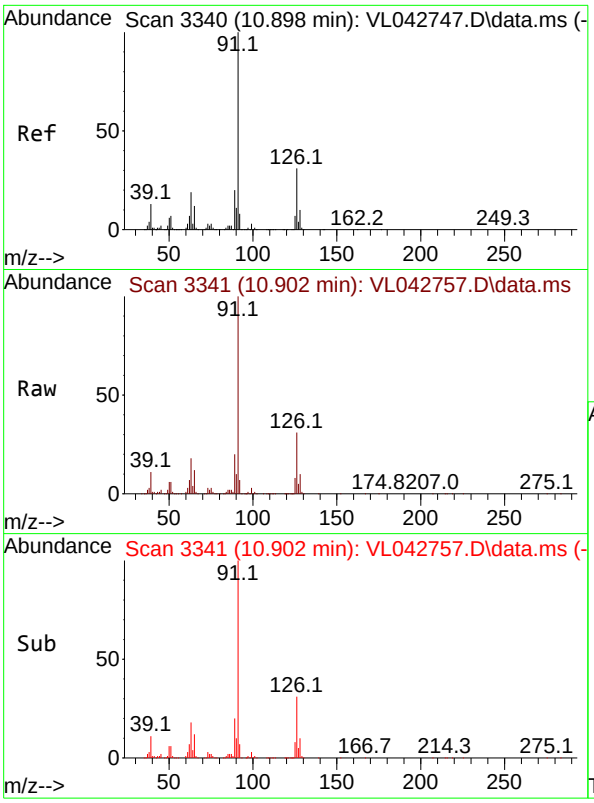


#70
n-Butylbenzene
Concen: 11.177 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 792521

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.4	65.2
134	24.2	19.6	29.4

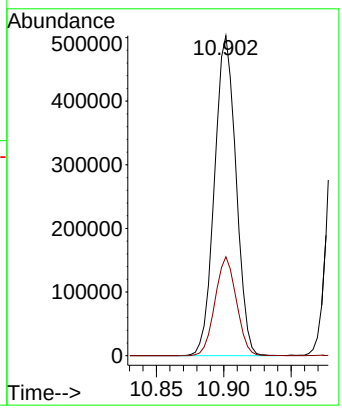




#71
2-Chlorotoluene
Concen: 10.211 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 55791

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
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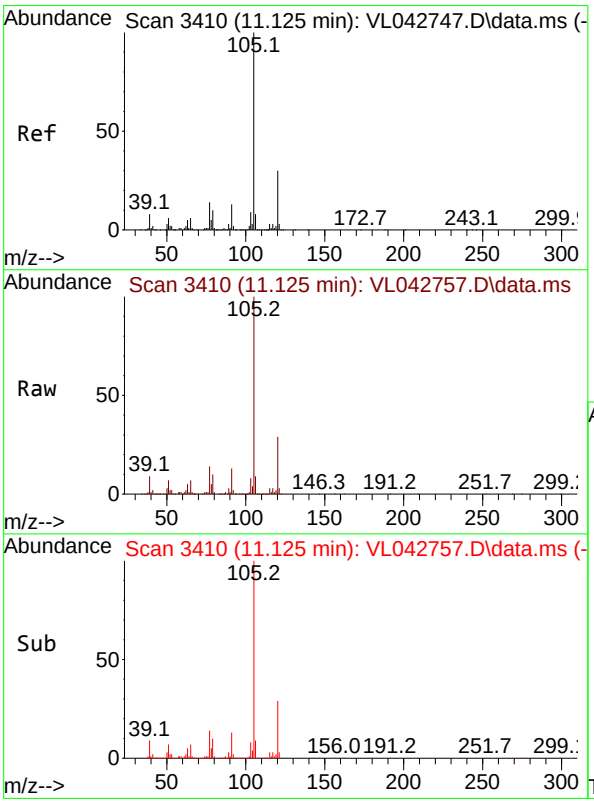
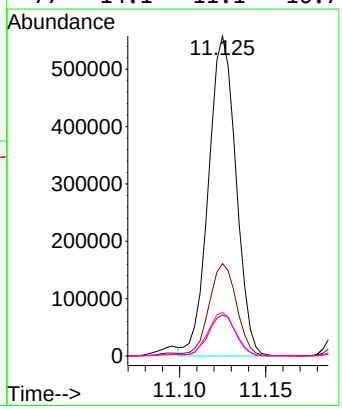
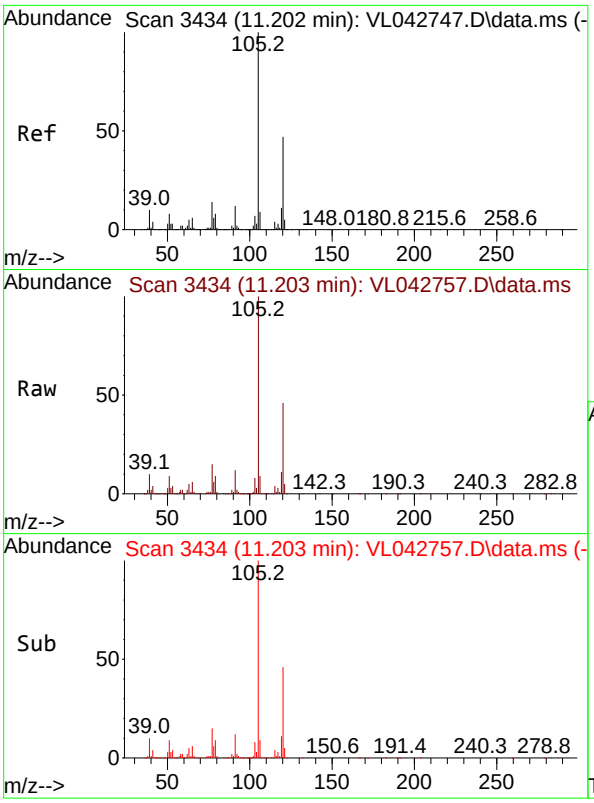


#72
4-Ethyltoluene
Concen: 10.747 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 620030

Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.4	36.6
91	13.3	10.6	15.8
77	14.1	11.1	16.7

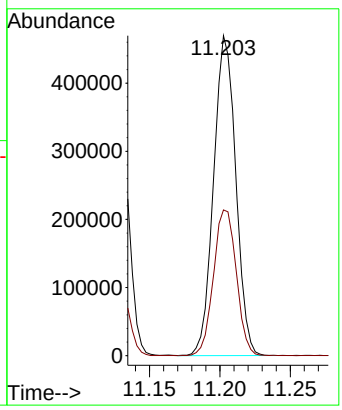




#73
1,3,5-Trimethylbenzene
Concen: 10.856 ppbv
RT: 11.203 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 51564

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
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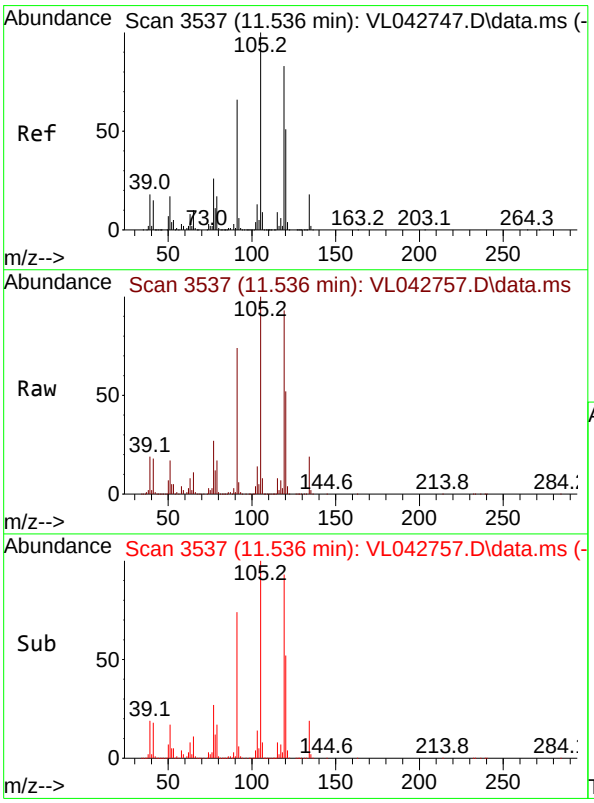
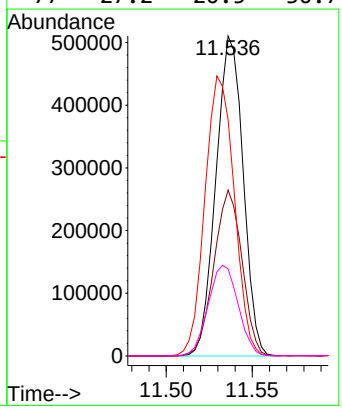
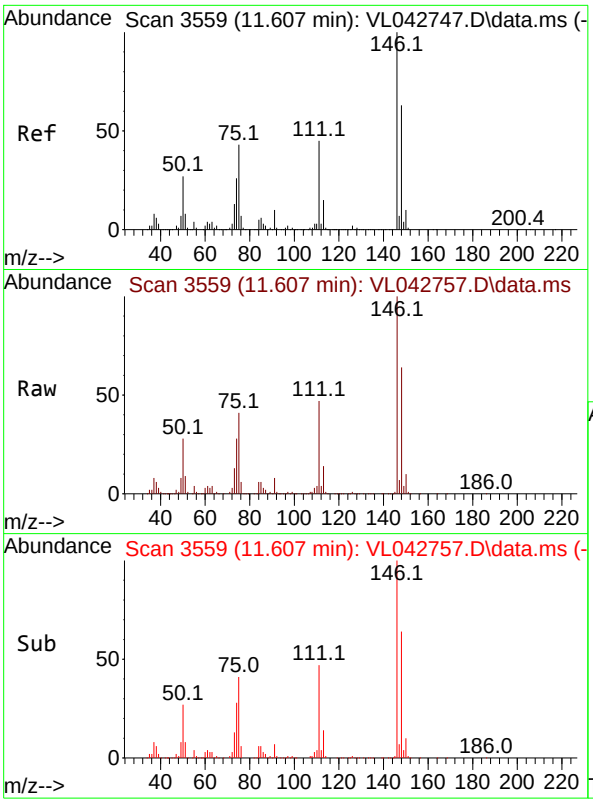


#74
1,2,4-Trimethylbenzene
Concen: 10.834 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 561445

Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.8	61.2
91	73.8	53.0	79.4
77	27.2	20.5	30.7

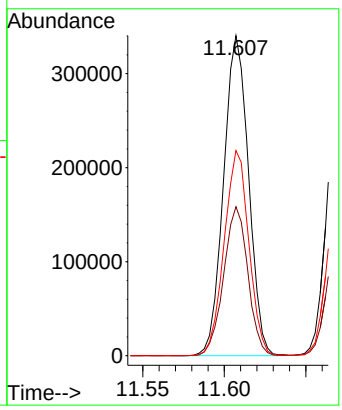




#75
1,3-Dichlorobenzene
Concen: 9.953 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:146 Resp: 36159

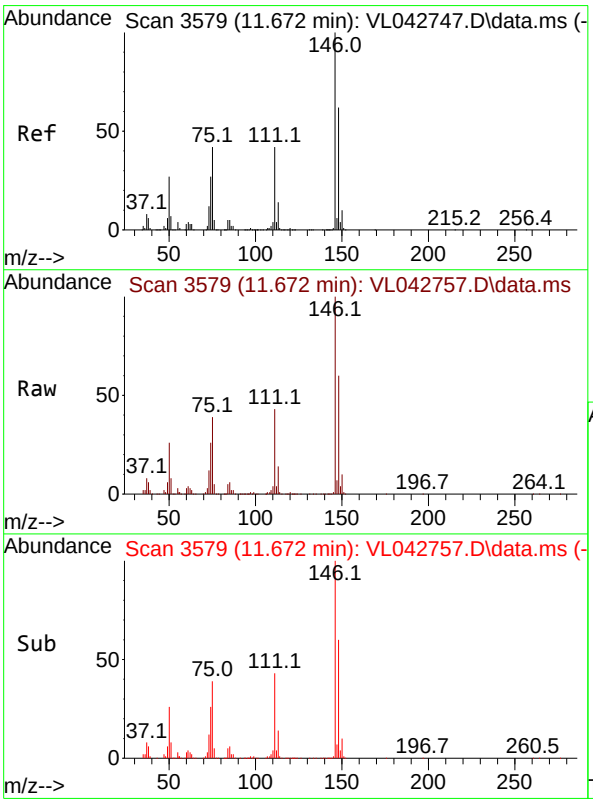
Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	63.5	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

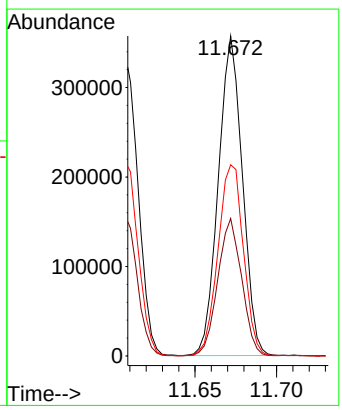
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

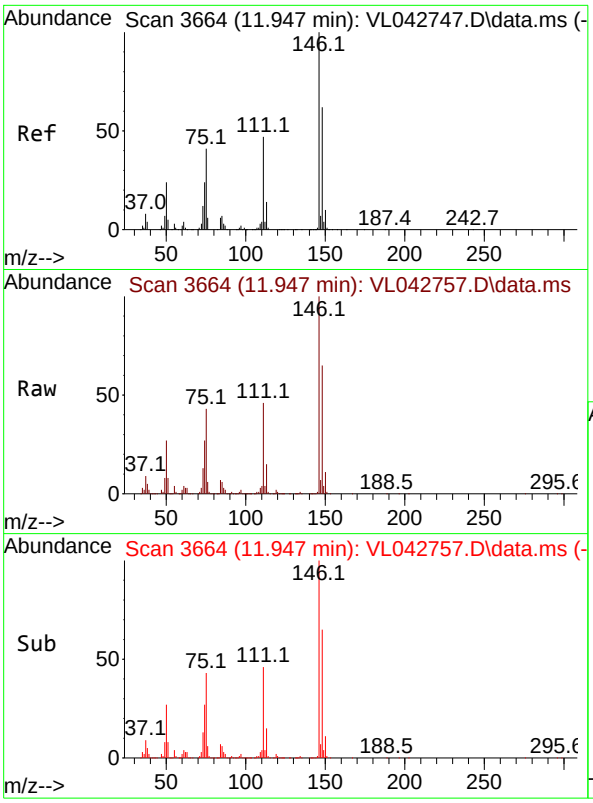


#76
1,4-Dichlorobenzene
Concen: 10.312 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:146 Resp: 366590

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.2
148	63.5	32.1	96.3

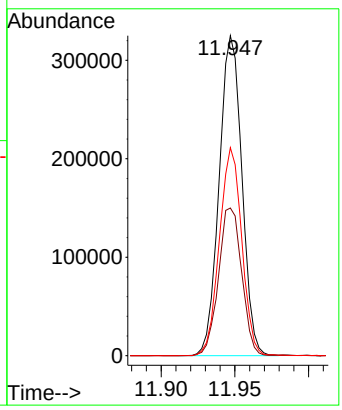




#77
1,2-Dichlorobenzene
Concen: 9.761 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:146 Resp: 34852

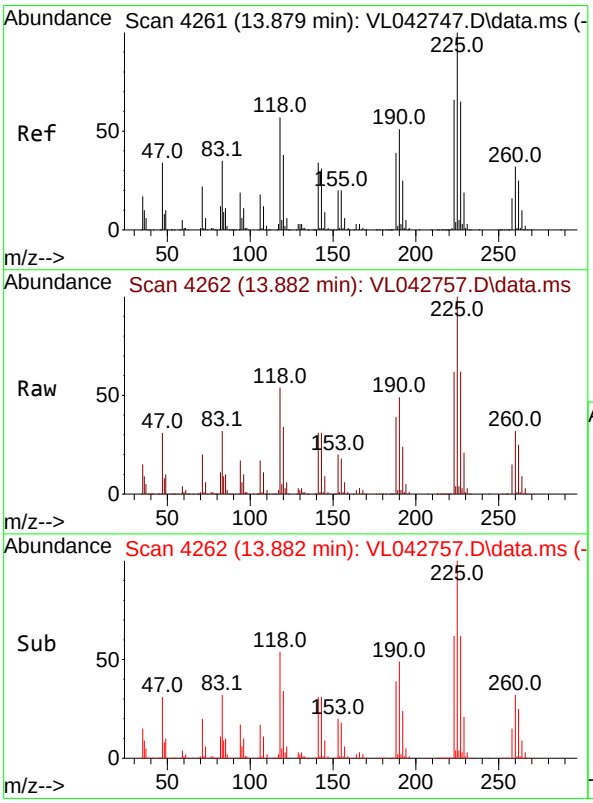
Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.7	71.1
148	64.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

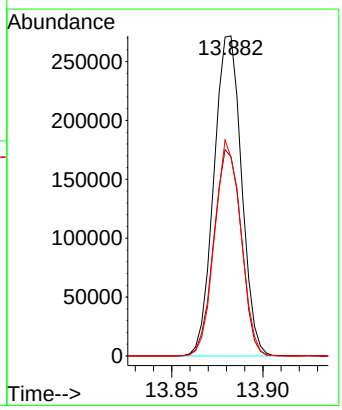
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

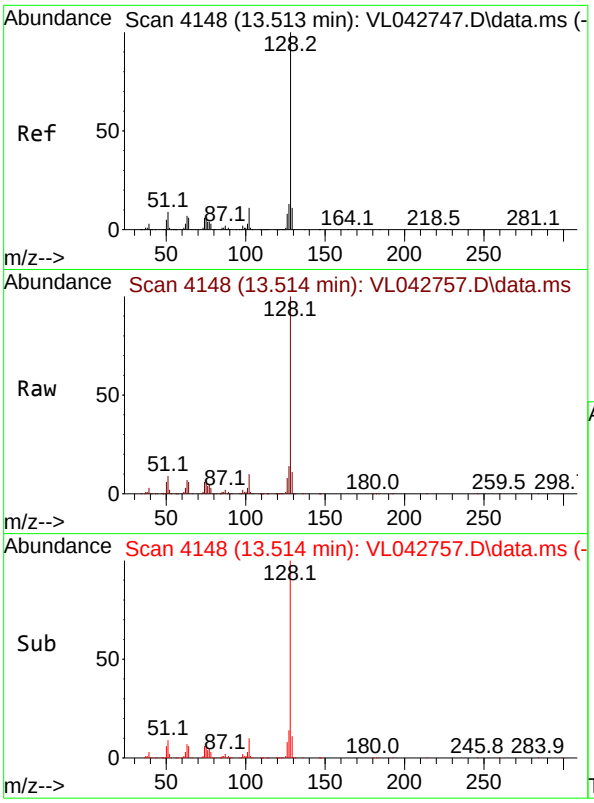


#78
Hexachloro-1,3-Butadiene
Concen: 8.868 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:225 Resp: 286611

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.7	76.1
227	64.0	50.5	75.7

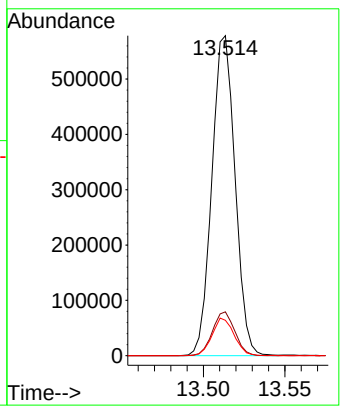




#79
Naphthalene
Concen: 10.185 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:128 Resp: 57316

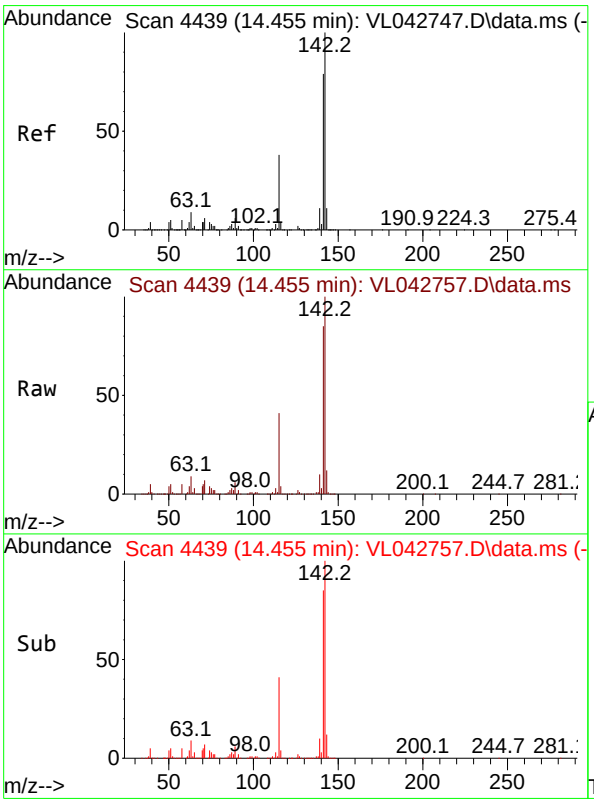
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

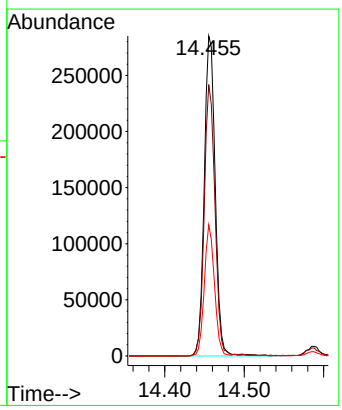
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

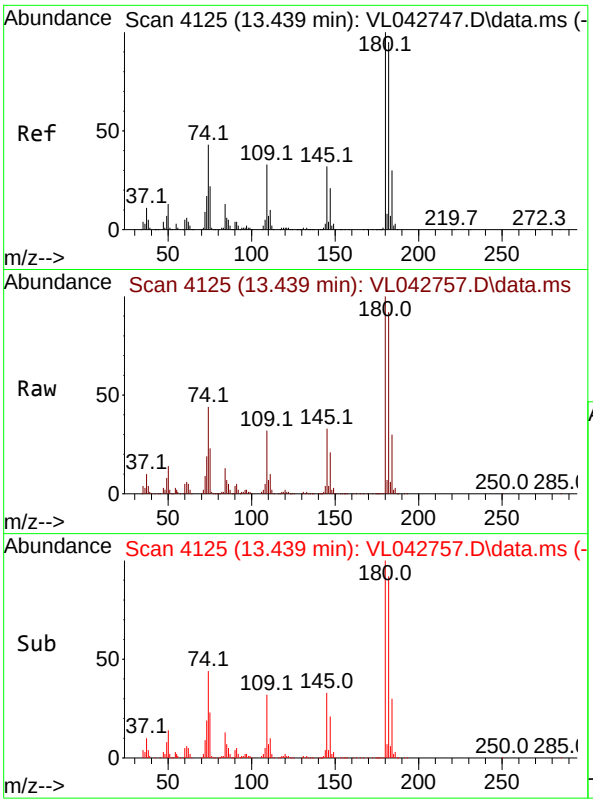


#80
Naphthalene,2-methyl-
Concen: 9.773 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:142 Resp: 273990

Ion	Ratio	Lower	Upper
142	100		
141	83.9	65.8	98.8
115	38.9	31.2	46.8

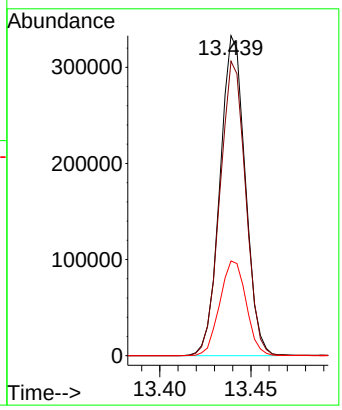




#81
1,2,4-Trichlorobenzene
Concen: 10.157 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:180 Resp: 32122

Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.2	114.2
184	30.9	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	1.322	1.268	4.1	98	0.00
3		Chlorodifluoromethane	1.722	1.651	4.1	94	0.00
4		Chloromethane	0.535	0.502	6.2	97	0.00
5	T	Vinyl Chloride	0.528	0.440	16.7	100	0.00
6	T	Bromomethane	0.204	0.194	4.9	101	0.00
7		Chloroethane	0.204	0.186	8.8	98	0.00
8	T	Dichlorotetrafluoroethane	1.087	1.015	6.6	96	0.00
9	T	Propene	0.626	0.594	5.1	93	0.00
10	T	Heptane	1.688	1.685	0.2	96	0.00
11	T	Trichlorofluoromethane	1.363	1.310	3.9	99	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.036	1.001	3.4	99	0.00
13		Ethanol	0.083	0.051	38.6#	94	0.00
14	T	Bromoethene	0.367	0.358	2.5	99	0.00
15	T	Acetone	1.381	1.057	23.5	99	0.00
16	T	1,3-Butadiene	0.589	0.538	8.7	98	0.00
17		tert-Butyl alcohol	1.245	1.191	4.3	95	0.00
18	T	1,1-Dichloroethene	0.468	0.429	8.3	99	0.00
19	T	Isopropyl Alcohol	0.734	0.668	9.0	94	0.00
20	T	Methylene Chloride	0.435	0.376	13.6	104	0.00
21	T	Allyl Chloride	0.851	0.832	2.2	97	0.00
22	T	trans-1,2-Dichloroethene	0.503	0.485	3.6	98	0.00
23	T	Vinyl Acetate	1.674	1.721	-2.8	94	0.00
24	T	1,1-Dichloroethane	1.033	0.980	5.1	96	0.00
25	T	Ethyl Acetate	3.056	2.975	2.7	94	0.00
26	T	Hexane	1.341	1.296	3.4	94	0.00
27	T	Carbon Disulfide	1.148	1.157	-0.8	99	0.00
28	T	Methyl tert-Butyl Ether	0.633	0.572	9.6	96	0.00
29	T	Chloroform	2.072	2.003	3.3	97	0.00
30	T	Cyclohexane	1.137	1.107	2.6	92	0.00
31	T	cis-1,2-Dichloroethene	1.378	1.346	2.3	96	0.00
32	T	1,1,1-Trichloroethane	2.158	2.011	6.8	96	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
34	T	2-Butanone	0.708	0.681	3.8	95	0.00
35	T	Carbon Tetrachloride	0.743	0.736	0.9	97	0.00
36	T	Benzene	0.948	0.920	3.0	95	0.00
37	T	1,2-Dichloroethane	0.571	0.566	0.9	97	0.00
38	T	Trichloroethene	0.455	0.407	10.5	92	0.00
39	T	1,2-Dichloropropane	0.350	0.337	3.7	96	0.00
40	T	1,4-Dioxane	0.163	0.154	5.5	101	0.00
41	T	Tetrahydrofuran	0.360	0.371	-3.1	95	0.00
42	T	Bromodichloromethane	0.744	0.758	-1.9	97	0.00
43		Methyl Methacrylate	0.337	0.356	-5.6	95	0.00
44	T	2,2,4-Trimethylpentane	1.545	1.543	0.1	96	0.00
45	T	t-1,3-Dichloropropene	0.378	0.403	-6.6	93	0.00
46	T	cis-1,3-Dichloropropene	0.479	0.505	-5.4	92	0.00
47	T	1,1,2-Trichloroethane	0.373	0.361	3.2	96	0.00
48	T	Dibromochloromethane	0.592	0.617	-4.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 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	0.516	0.536	-3.9	94	0.00
50	T	4-Methyl-2-Pentanone	0.912	0.908	0.4	94	0.00
51	T	2-Hexanone	0.690	0.742	-7.5	94	0.00
52	T	Tetrachloroethene	0.393	0.344	12.5	94	0.00
53	T	Toluene	1.018	1.036	-1.8	94	0.00
54	T	1,2-Dibromoethane	0.527	0.532	-0.9	95	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
56		1,1,1,2-Tetrachloroethane	0.520	0.517	0.6	97	0.00
57	T	Chlorobenzene	0.968	0.912	5.8	94	0.00
58	T	Ethyl Benzene	1.579	1.626	-3.0	95	0.00
59	T	m/p-Xylene	1.262	1.313	-4.0	96	0.00
60	T	o-Xylene	1.261	1.306	-3.6	97	0.00
61	T	Styrene	0.531	0.579	-9.0	94	0.00
62		Isopropylbenzene	1.860	1.885	-1.3	95	0.00
63	T	1,1,2,2-Tetrachloroethane	0.810	0.743	8.3	97	0.00
64		n-propylbenzene	0.485	0.503	-3.7	97	0.00
65		tert-Butylbenzene	1.652	1.691	-2.4	96	0.00
66	T	Benzyl Chloride	0.136	0.154	-13.2	88	0.00
67		sec-Butylbenzene	2.350	2.364	-0.6	96	0.00
68	S	1-Bromo-4-Fluorobenzene	0.792	0.812	-2.5	92	0.00
69		p-Isopropyltoluene	1.916	2.043	-6.6	96	0.00
70		n-Butylbenzene	1.851	2.069	-11.8	97	0.00
71		2-Chlorotoluene	1.426	1.456	-2.1	95	0.00
72	T	4-Ethyltoluene	1.506	1.619	-7.5	96	0.00
73	T	1,3,5-Trimethylbenzene	1.240	1.346	-8.5	96	0.00
74	T	1,2,4-Trimethylbenzene	1.353	1.466	-8.4	96	0.00
75	T	1,3-Dichlorobenzene	0.948	0.944	0.4	97	0.00
76	T	1,4-Dichlorobenzene	0.928	0.957	-3.1	97	0.00
77	T	1,2-Dichlorobenzene	0.932	0.910	2.4	97	0.00
78	T	Hexachloro-1,3-Butadiene	0.844	0.748	11.4	95	0.00
79	T	Naphthalene	0.958	1.496	-56.2#	96	0.00
80	T	Naphthalene,2-methyl-	0.326	0.715	-119.3#	95	0.00
81	T	1,2,4-Trichlorobenzene	0.635	0.839	-32.1#	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\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	10.000	9.589	4.1	98	0.00
3		Chlorodifluoromethane	10.000	9.588	4.1	94	0.00
4		Chloromethane	10.000	9.393	6.1	97	0.00
5	T	Vinyl Chloride	10.000	8.321	16.8	100	0.00
6	T	Bromomethane	10.000	9.490	5.1	101	0.00
7		Chloroethane	10.000	9.119	8.8	98	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.339	6.6	96	0.00
9	T	Propene	10.000	9.491	5.1	93	0.00
10	T	Heptane	10.000	9.984	0.2	96	0.00
11	T	Trichlorofluoromethane	10.000	9.612	3.9	99	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.666	3.3	99	0.00
13		Ethanol	10.000	9.958	0.4	94	0.00
14	T	Bromoethene	10.000	9.757	2.4	99	0.00
15	T	Acetone	10.000	7.654	23.5	99	0.00
16	T	1,3-Butadiene	10.000	9.129	8.7	98	0.00
17		tert-Butyl alcohol	10.000	9.563	4.4	95	0.00
18	T	1,1-Dichloroethene	10.000	9.158	8.4	99	0.00
19	T	Isopropyl Alcohol	10.000	9.108	8.9	94	0.00
20	T	Methylene Chloride	10.000	8.643	13.6	104	0.00
21	T	Allyl Chloride	10.000	9.778	2.2	97	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.641	3.6	98	0.00
23	T	Vinyl Acetate	10.000	10.279	-2.8	94	0.00
24	T	1,1-Dichloroethane	10.000	9.481	5.2	96	0.00
25	T	Ethyl Acetate	10.000	9.735	2.7	94	0.00
26	T	Hexane	10.000	9.663	3.4	94	0.00
27	T	Carbon Disulfide	10.000	10.077	-0.8	99	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.034	9.7	96	0.00
29	T	Chloroform	10.000	9.669	3.3	97	0.00
30	T	Cyclohexane	10.000	9.735	2.7	92	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.769	2.3	96	0.00
32	T	1,1,1-Trichloroethane	10.000	9.316	6.8	96	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	92	0.00
34	T	2-Butanone	10.000	9.619	3.8	95	0.00
35	T	Carbon Tetrachloride	10.000	9.908	0.9	97	0.00
36	T	Benzene	10.000	9.711	2.9	95	0.00
37	T	1,2-Dichloroethane	10.000	9.914	0.9	97	0.00
38	T	Trichloroethene	10.000	8.945	10.5	92	0.00
39	T	1,2-Dichloropropane	10.000	9.637	3.6	96	0.00
40	T	1,4-Dioxane	10.000	9.450	5.5	101	0.00
41	T	Tetrahydrofuran	10.000	10.290	-2.9	95	0.00
42	T	Bromodichloromethane	10.000	10.190	-1.9	97	0.00
43		Methyl Methacrylate	10.000	10.582	-5.8	95	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.990	0.1	96	0.00
45	T	t-1,3-Dichloropropene	10.000	10.662	-6.6	93	0.00
46	T	cis-1,3-Dichloropropene	10.000	10.554	-5.5	92	0.00
47	T	1,1,2-Trichloroethane	10.000	9.676	3.2	96	0.00
48	T	Dibromochloromethane	10.000	10.419	-4.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 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	10.390	-3.9	94	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.953	0.5	94	0.00
51	T	2-Hexanone	10.000	10.761	-7.6	94	0.00
52	T	Tetrachloroethene	10.000	8.758	12.4	94	0.00
53	T	Toluene	10.000	10.175	-1.8	94	0.00
54	T	1,2-Dibromoethane	10.000	10.094	-0.9	95	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	91	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.946	0.5	97	0.00
57	T	Chlorobenzene	10.000	9.419	5.8	94	0.00
58	T	Ethyl Benzene	10.000	10.298	-3.0	95	0.00
59	T	m/p-Xylene	20.000	20.800	-4.0	96	0.00
60	T	o-Xylene	10.000	10.353	-3.5	97	0.00
61	T	Styrene	10.000	10.920	-9.2	94	0.00
62		Isopropylbenzene	10.000	10.134	-1.3	95	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.171	8.3	97	0.00
64		n-propylbenzene	10.000	10.381	-3.8	97	0.00
65		tert-Butylbenzene	10.000	10.234	-2.3	96	0.00
66	T	Benzyl Chloride	10.000	11.381	-13.8	88	0.00
67		sec-Butylbenzene	10.000	10.057	-0.6	96	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.257	-2.6	92	0.00
69		p-Isopropyltoluene	10.000	10.660	-6.6	96	0.00
70		n-Butylbenzene	10.000	11.177	-11.8	97	0.00
71		2-Chlorotoluene	10.000	10.211	-2.1	95	0.00
72	T	4-Ethyltoluene	10.000	10.747	-7.5	96	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.856	-8.6	96	0.00
74	T	1,2,4-Trimethylbenzene	10.000	10.834	-8.3	96	0.00
75	T	1,3-Dichlorobenzene	10.000	9.953	0.5	97	0.00
76	T	1,4-Dichlorobenzene	10.000	10.312	-3.1	97	0.00
77	T	1,2-Dichlorobenzene	10.000	9.761	2.4	97	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	8.868	11.3	95	0.00
79	T	Naphthalene	10.000	10.185	-1.9	96	0.00
80	T	Naphthalene,2-methyl-	10.000	9.773	2.3	95	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.157	-1.6	95	0.00

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

QC SAMPLE DATA

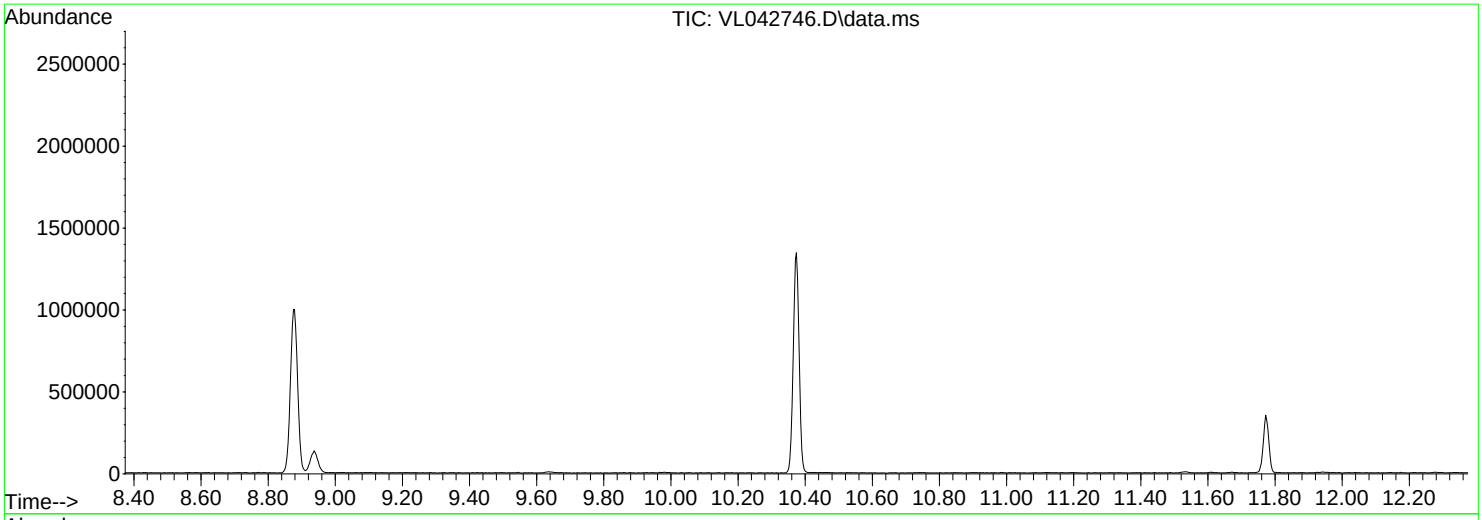
BFB

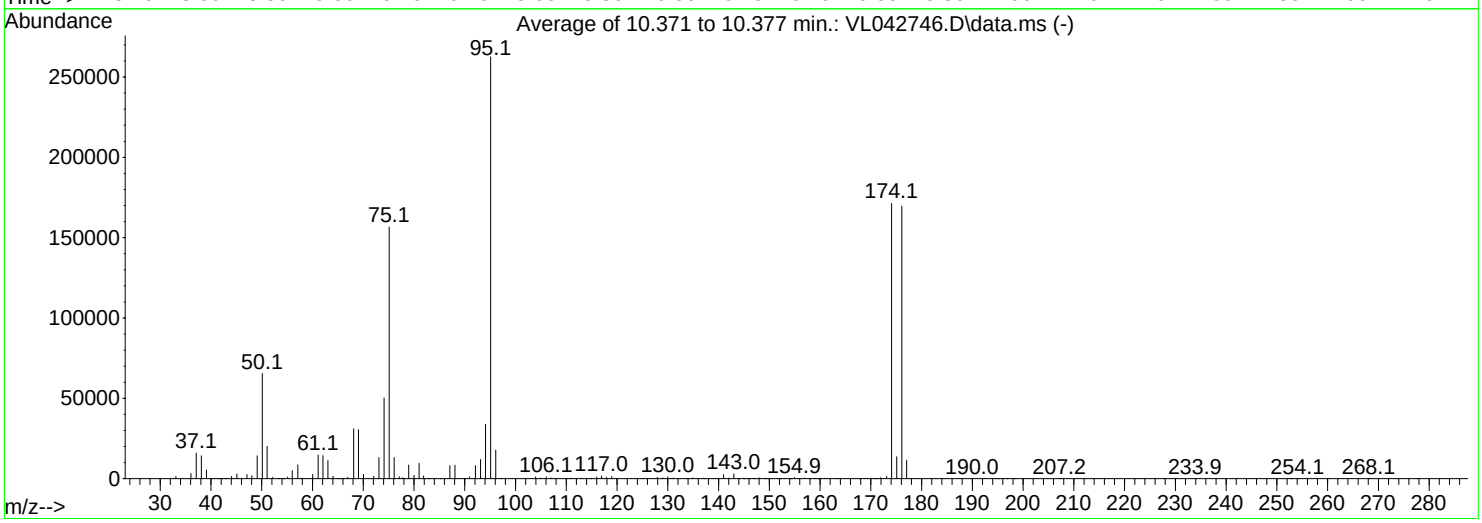
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042746.D
Acq On : 23 Jul 2025 08:00
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Jul 24 05:24:41 2025





AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.9	65392	PASS
75	95	30	66	59.7	156629	PASS
95	95	100	100	100.0	262571	PASS
96	95	5	9	6.8	17820	PASS
173	174	0.00	2	0.8	1428	PASS
174	95	50	120	65.3	171349	PASS
175	174	4	9	8.0	13693	PASS
176	174	93	101	99.0	169621	PASS
177	176	5	9	6.7	11431	PASS

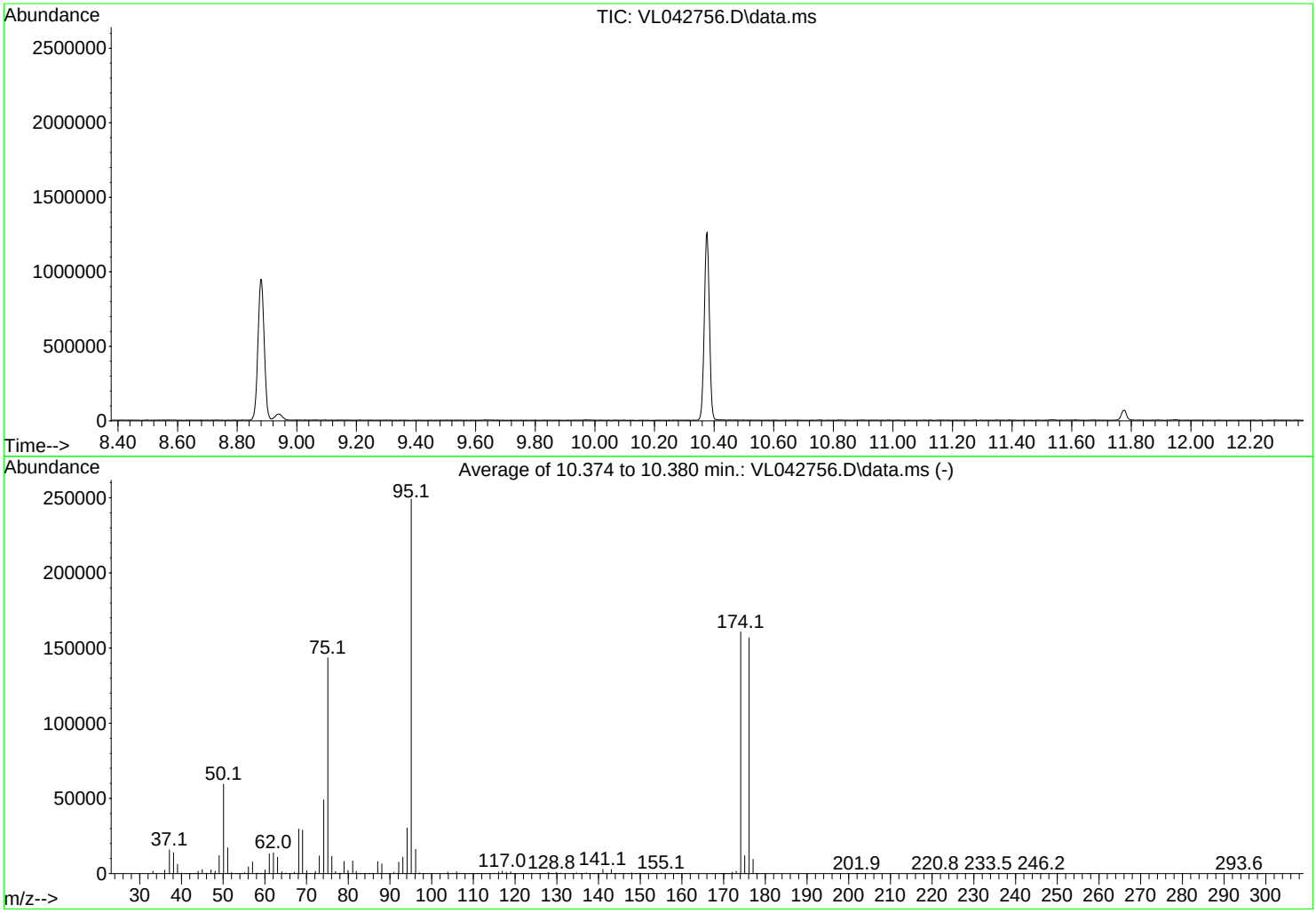
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042756.D
Acq On : 24 Jul 2025 07:39
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\VL072325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Jul 24 05:24:41 2025



AutoFind: Scans 3178, 3179, 3180; 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	23.9	59533	PASS
75	95	30	66	57.6	143544	PASS
95	95	100	100	100.0	249173	PASS
96	95	5	9	6.5	16190	PASS
173	174	0.00	2	1.0	1612	PASS
174	95	50	120	64.5	160811	PASS
175	174	4	9	7.4	11880	PASS
176	174	93	101	97.6	156928	PASS
177	176	5	9	6.1	9565	PASS

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:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0724ABL01	SDG No.:	Q2671
Lab Sample ID:	VL0724ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042758.D	1		07/24/25 10:12	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.17	0.70	U	0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	0.18	0.43	U	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.080	0.26	U	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.16	0.60	U	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0724ABL01	SDG No.:	Q2671
Lab Sample ID:	VL0724ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042758.D	1		07/24/25 10:12	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			70 (65) - 130 (135)	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	148000		2.784			
540-36-3	1,4-Difluorobenzene	414000		3.952			
3114-55-4	Chlorobenzene-d5	364000		8.875			

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0724ABL01	SDG No.:	Q2671
Lab Sample ID:	VL0724ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042758.D	1		07/24/25 10:12	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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 (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042758.D
Acq On : 24 Jul 2025 10:12
Operator : SY/MD
Sample : VL0724ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABL01

Quant Time: Jul 25 01:23:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

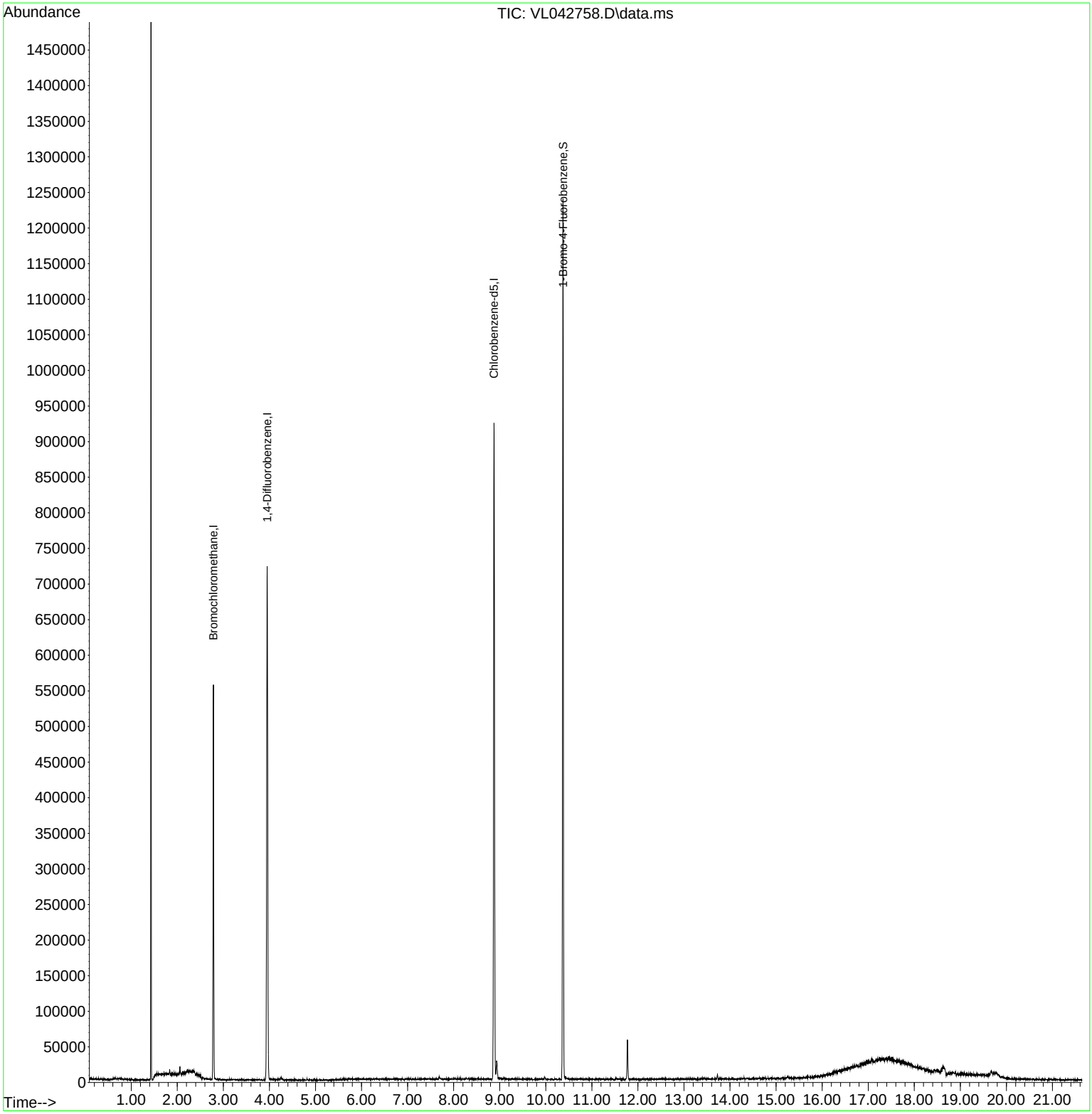
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	147578	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	413602	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	364492	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	290722	10.072	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%			
Target Compounds						Qvalue

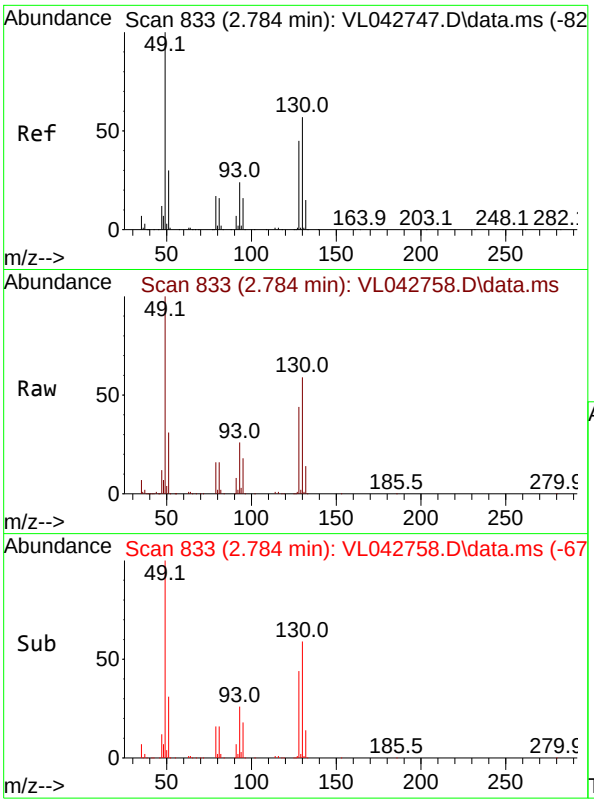
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042758.D
Acq On : 24 Jul 2025 10:12
Operator : SY/MD
Sample : VL0724ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABL01

Quant Time: Jul 25 01:23:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



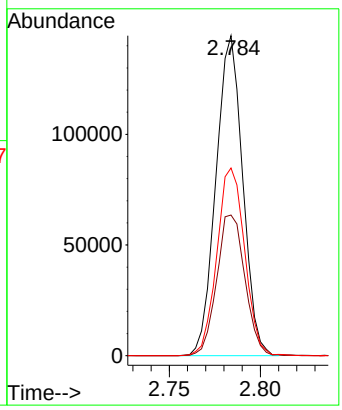


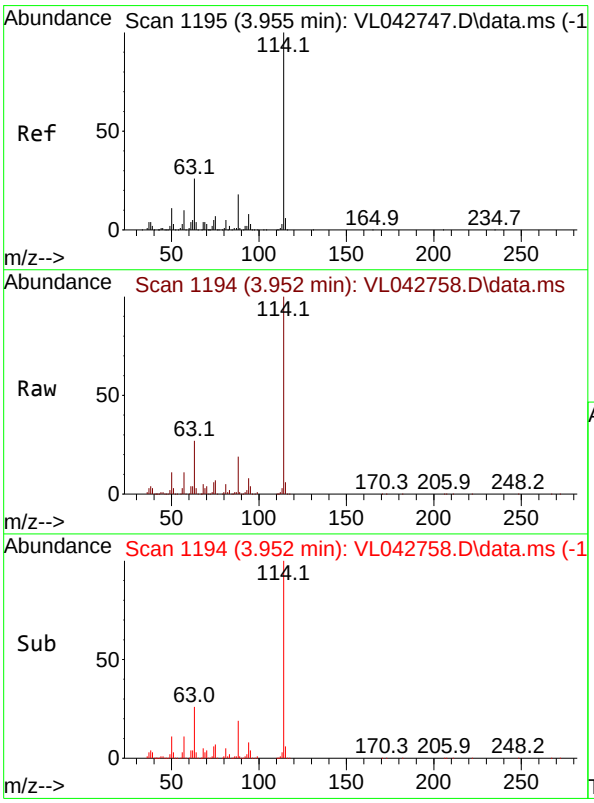
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042758.D
Acq: 24 Jul 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABL01

Tgt Ion: 49 Resp: 147578

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	61.0	30.3	90.8

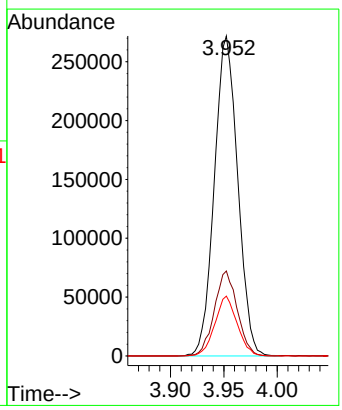


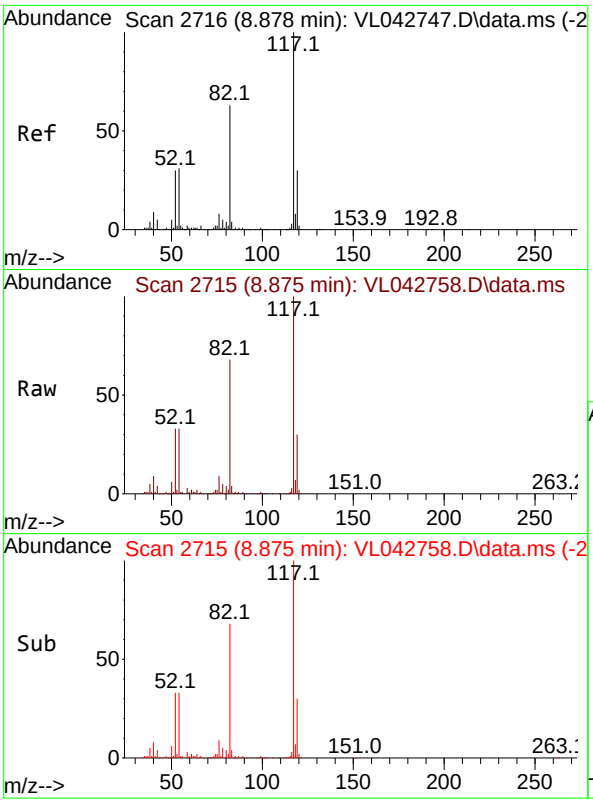


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.003 min
Lab File: VL042758.D
Acq: 24 Jul 2025 10:12

Tgt Ion:114 Resp: 413602

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.5	30.7
88	17.9	14.0	21.0



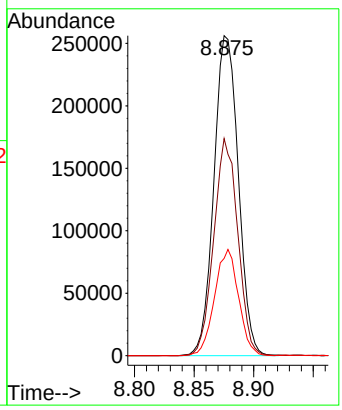


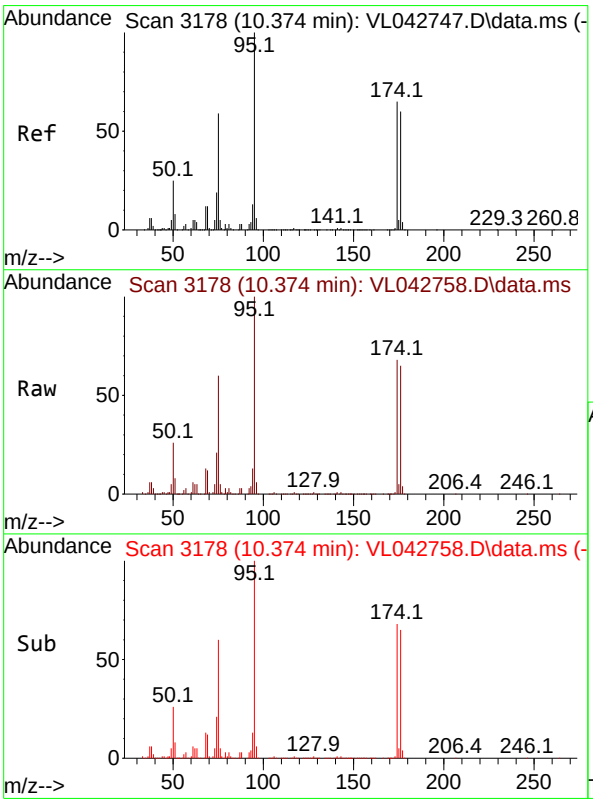
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042758.D
Acq: 24 Jul 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABL01

Tgt Ion:117 Resp: 364492

Ion	Ratio	Lower	Upper
117	100		
82	66.8	53.3	79.9
119	32.8	25.8	38.6

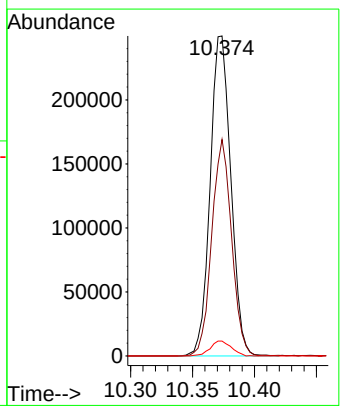




#68
1-Bromo-4-Fluorobenzene
Concen: 10.072 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042758.D
Acq: 24 Jul 2025 10:12

Tgt Ion: 95 Resp: 290722

Ion	Ratio	Lower	Upper
95	100		
174	64.9	53.8	80.6
175	4.8	4.0	6.0



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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0724ABS01	SDG No.:	Q2671
Lab Sample ID:	VL0724ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042759.D	1		07/24/25 10:57	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	9.30	46.0		0.54	2.47	ug/m3
74-87-3	Chloromethane	9.40	19.4		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.10	20.7		0.080	0.080	ug/m3
74-83-9	Bromomethane	9.30	36.1		0.31	1.94	ug/m3
75-00-3	Chloroethane	8.20	21.6		0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.5	31.0		0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.30	52.3		0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.50	72.8		1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.10	63.6		1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	8.90	27.0		0.49	1.52	ug/m3
142-82-5	Heptane	9.90	40.6		0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	8.80	34.9		0.59	1.98	ug/m3
67-64-1	Acetone	7.50	17.8		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	9.90	30.8		0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.70	31.4		0.83	1.80	ug/m3
75-09-2	Methylene Chloride	8.10	28.1		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.30	36.9		0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.20	37.2		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.70	33.4		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.90	29.2		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.3	64.8		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.50	37.7		0.40	1.98	ug/m3
67-66-3	Chloroform	9.70	47.4		0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.30	50.7		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.3	48.1		0.65	2.34	ug/m3
71-43-2	Benzene	9.80	31.3		0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.2	41.3		0.36	2.02	ug/m3
79-01-6	Trichloroethene	9.20	49.4		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.90	45.8		0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	10.5	70.3		0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.2	41.8		0.41	2.05	ug/m3
108-88-3	Toluene	10.3	38.8		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.8	49.0		0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.7	48.6		0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.0	54.6		0.44	2.73	ug/m3

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Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0724ABS01	SDG No.:	Q2671
Lab Sample ID:	VL0724ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042759.D	1		07/24/25 10:57	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.8	92.0		0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	10.3	79.2		0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	8.90	60.4		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	9.70	44.7		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	10.5	45.6		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	21.2	92.1		1.78	4.34	ug/m3
95-47-6	o-Xylene	10.5	45.6		0.91	2.17	ug/m3
100-42-5	Styrene	10.9	46.4		0.68	2.13	ug/m3
75-25-2	Bromoform	11.0	114		0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.50	65.2		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.4	53.9		0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	11.1	54.6		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	11.2	55.1		0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	10.2	61.3		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	10.6	63.7		0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.1	60.7		0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.2	75.7		1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	9.10	97.1		1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	8.80	19.5		0.11	1.11	ug/m3
91-20-3	Naphthalene	10.4	54.5		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	11.0	54.1		1.03	2.46	ug/m3
110-54-3	Hexane	9.70	34.2		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	9.50	29.7		0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	9.70	35.0		0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	10.8	44.2		0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			70 (65) - 130 (135)	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	147000	2.784				
540-36-3	1,4-Difluorobenzene	410000	3.952				
3114-55-4	Chlorobenzene-d5	373000	8.875				

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Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0724ABS01	SDG No.:	Q2671
Lab Sample ID:	VL0724ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042759.D	1		07/24/25 10:57	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042759.D
Acq On : 24 Jul 2025 10:57
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	147044	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	409745	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	372748	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	301860	10.226	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	180968	9.308	ppbv		100
3) Chlorodifluoromethane	1.473	51	242102	9.559	ppbv		100
4) Chloromethane	1.531	50	73859	9.390	ppbv		96
5) Vinyl Chloride	1.577	62	63036	8.112	ppbv		98
6) Bromomethane	1.667	94	28082	9.347	ppbv		93
7) Chloroethane	1.703	64	24726	8.235	ppbv	#	86
8) Dichlorotetrafluoroethane	1.551	85	144903	9.063	ppbv		98
9) Propene	1.483	41	84555	9.186	ppbv		98
10) Heptane	4.972	43	246854	9.946	ppbv		99
11) Trichlorofluoromethane	1.874	101	185482	9.255	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.137	101	145000	9.521	ppbv		97
13) Ethanol	1.719	45	7271	9.697	ppbv		95
14) Bromoethene	1.781	108	49468	9.174	ppbv		98
15) Acetone	1.832	43	151299	7.451	ppbv		98
16) 1,3-Butadiene	1.606	39	76114	8.788	ppbv		98
17) tert-Butyl alcohol	2.036	59	163459	8.926	ppbv		96
18) 1,1-Dichloroethene	2.030	96	60208	8.750	ppbv		94
19) Isopropyl Alcohol	1.884	45	96416	8.936	ppbv	#	40
20) Methylene Chloride	2.059	84	52131	8.147	ppbv		97
21) Allyl Chloride	2.091	41	119495	9.549	ppbv		98
22) trans-1,2-Dichloroethene	2.337	96	68496	9.253	ppbv		98
23) Vinyl Acetate	2.460	43	238863	9.704	ppbv		98
24) 1,1-Dichloroethane	2.405	63	140101	9.221	ppbv		98
25) Ethyl Acetate	2.829	43	435118	9.681	ppbv		100
26) Hexane	2.823	57	191824	9.730	ppbv		98
27) Carbon Disulfide	2.146	76	166394	9.858	ppbv		96
28) Methyl tert-Butyl Ether	2.438	73	80712	8.666	ppbv		99
29) Chloroform	2.845	83	296040	9.717	ppbv		97
30) Cyclohexane	3.852	84	162375	9.711	ppbv		98
31) cis-1,2-Dichloroethene	2.716	61	193439	9.548	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	293531	9.250	ppbv		99
34) 2-Butanone	2.551	43	288013	9.923	ppbv		100
35) Carbon Tetrachloride	3.758	117	313003	10.284	ppbv		96
36) Benzene	3.651	78	382210	9.842	ppbv		99
37) 1,2-Dichloroethane	3.214	62	237484	10.152	ppbv		100
38) Trichloroethene	4.541	130	170959	9.164	ppbv		96
39) 1,2-Dichloropropane	4.308	63	141270	9.855	ppbv		95
40) 1,4-Dioxane	4.574	88	64606	9.669	ppbv	#	94
41) Tetrahydrofuran	3.049	42	155794	10.549	ppbv		98
42) Bromodichloromethane	4.483	83	319463	10.486	ppbv		97
43) Methyl Methacrylate	4.872	69	149548	10.835	ppbv		98
44) 2,2,4-Trimethylpentane	4.632	57	652445	10.308	ppbv		99
45) t-1,3-Dichloropropene	6.406	75	166529	10.759	ppbv		97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042759.D
Acq On : 24 Jul 2025 10:57
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	209089	10.660	ppbv		93
47) 1,1,2-Trichloroethane	6.581	97	152989	10.012	ppbv		92
48) Dibromochloromethane	7.383	129	261055	10.762	ppbv		100
49) Bromoform	9.481	173	232332	10.984	ppbv		100
50) 4-Methyl-2-Pentanone	5.739	43	383204	10.249	ppbv		100
51) 2-Hexanone	7.429	43	311933	11.041	ppbv	#	99
52) Tetrachloroethene	8.222	164	143808	8.934	ppbv		97
53) Toluene	6.927	91	429910	10.310	ppbv		100
54) 1,2-Dibromoethane	7.649	107	221820	10.275	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.921	131	194327	10.027	ppbv		100
57) Chlorobenzene	8.917	112	348937	9.673	ppbv	#	95
58) Ethyl Benzene	9.351	91	615722	10.460	ppbv		99
59) m/p-Xylene	9.549	91	995499m	21.161	ppbv		
60) o-Xylene	9.960	91	493768	10.504	ppbv		100
61) Styrene	9.869	104	216283	10.938	ppbv		99
62) Isopropylbenzene	10.536	105	718669	10.365	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.960	83	285543	9.462	ppbv		100
64) n-propylbenzene	10.986	120	192364	10.641	ppbv		98
65) tert-Butylbenzene	11.529	119	644135	10.458	ppbv		98
66) Benzyl Chloride	11.614	91	58462	11.562	ppbv		99
67) sec-Butylbenzene	11.766	105	905326	10.335	ppbv		99
69) p-Isopropyltoluene	11.921	119	774218	10.839	ppbv		99
70) n-Butylbenzene	12.277	91	795999	11.537	ppbv		99
71) 2-Chlorotoluene	10.898	91	554642	10.432	ppbv		100
72) 4-Ethyltoluene	11.122	105	616153	10.975	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	511323	11.062	ppbv		98
74) 1,2,4-Trimethylbenzene	11.533	105	567154	11.247	ppbv		94
75) 1,3-Dichlorobenzene	11.604	146	359124	10.158	ppbv		100
76) 1,4-Dichlorobenzene	11.669	146	366455	10.593	ppbv		98
77) 1,2-Dichlorobenzene	11.944	146	349845	10.069	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	286338	9.105	ppbv		100
79) Naphthalene	13.510	128	571679	10.428	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	262069	9.625	ppbv		98
81) 1,2,4-Trichlorobenzene	13.436	180	313681	10.192	ppbv		100

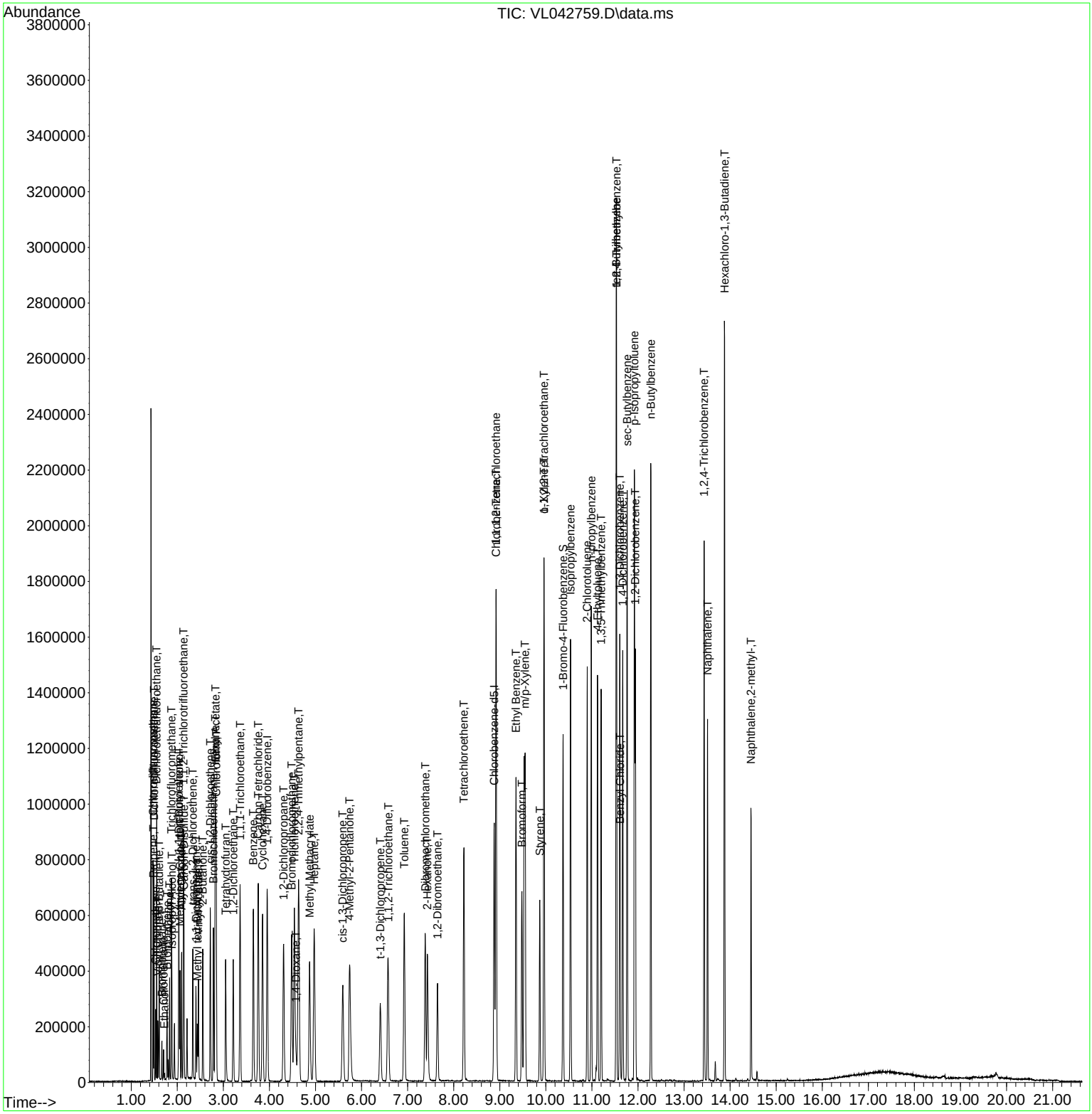
(#) = qualifier out of range (m) = manual integration (+) = signals summed

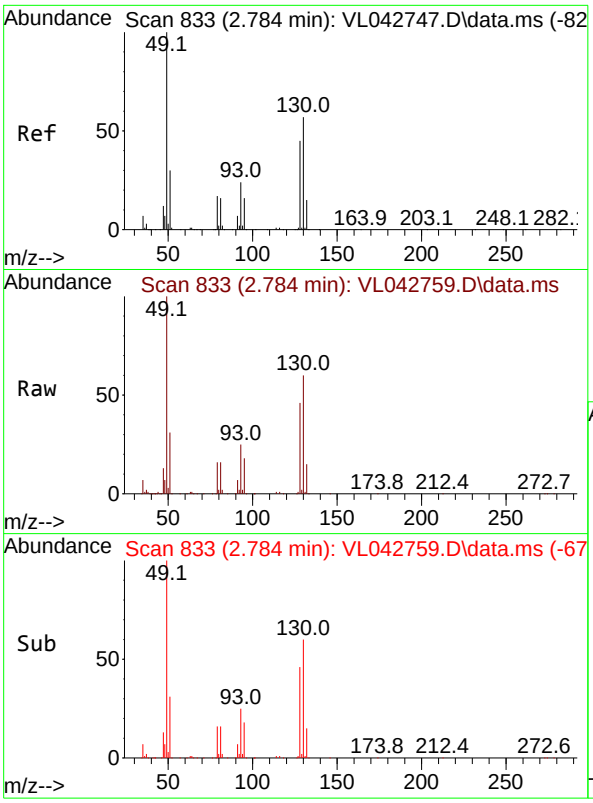
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042759.D
Acq On : 24 Jul 2025 10:57
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

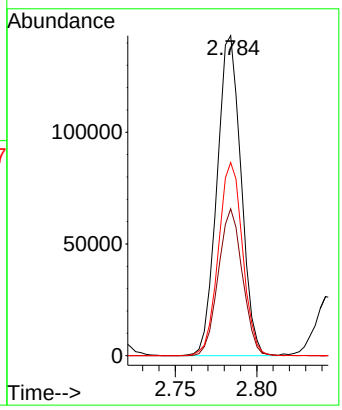




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 49 Resp: 14704

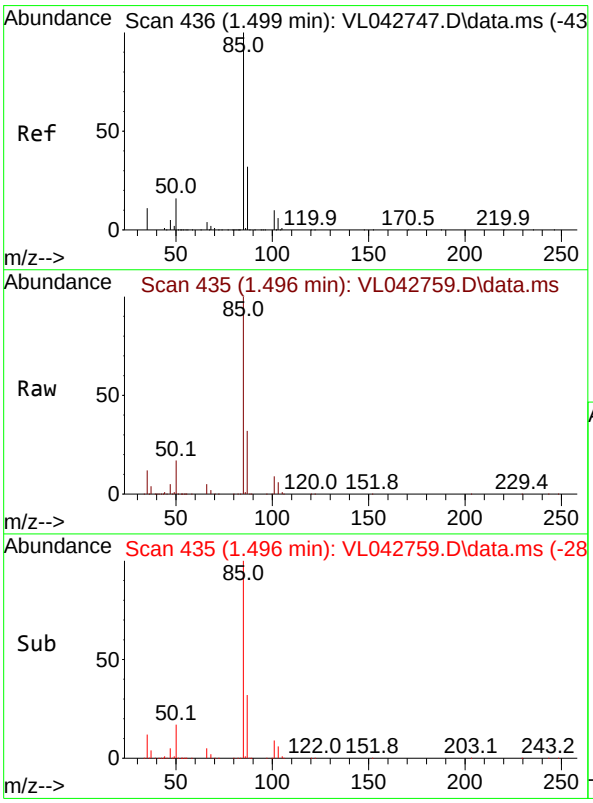
Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.6	71.0
130	60.7	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations
APPROVED

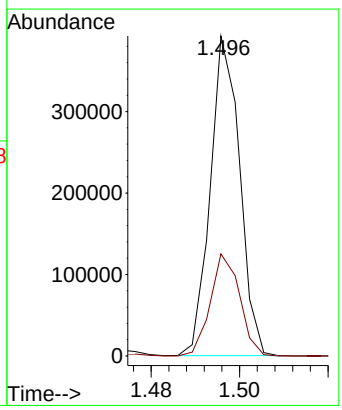
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

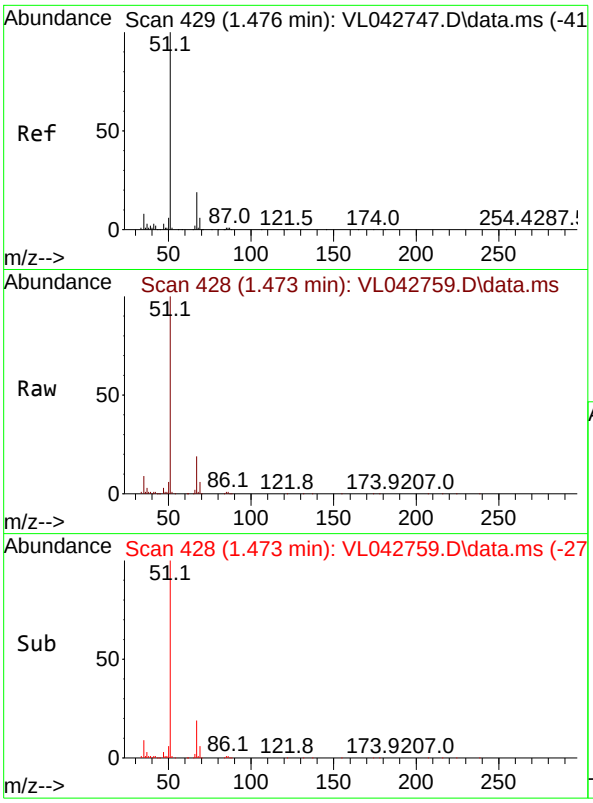


#2
Dichlorodifluoromethane
Concen: 9.308 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 85 Resp: 180968

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.4	38.2

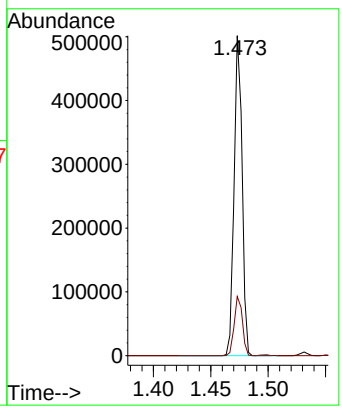




#3
Chlorodifluoromethane
Concen: 9.559 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 51 Resp: 24210

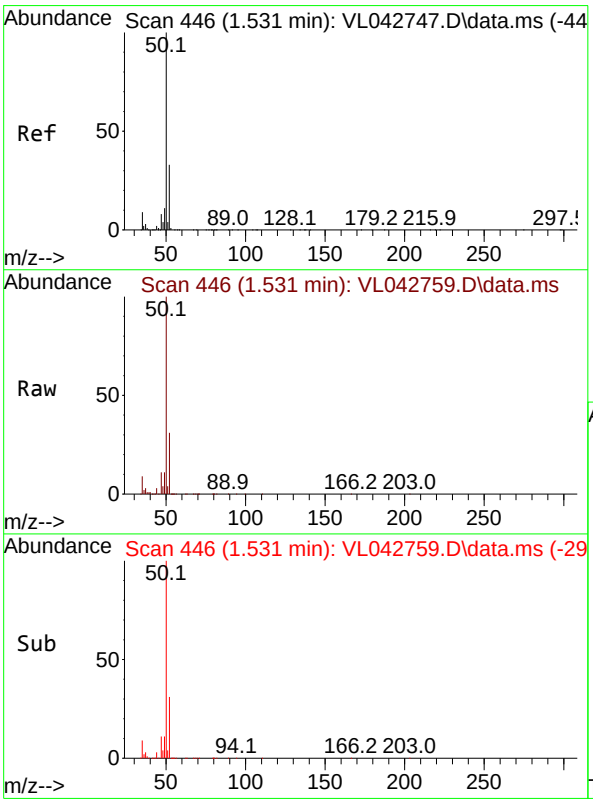
Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations
APPROVED

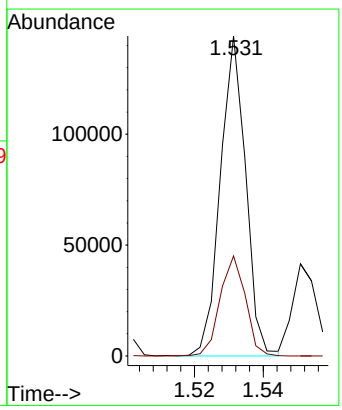
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

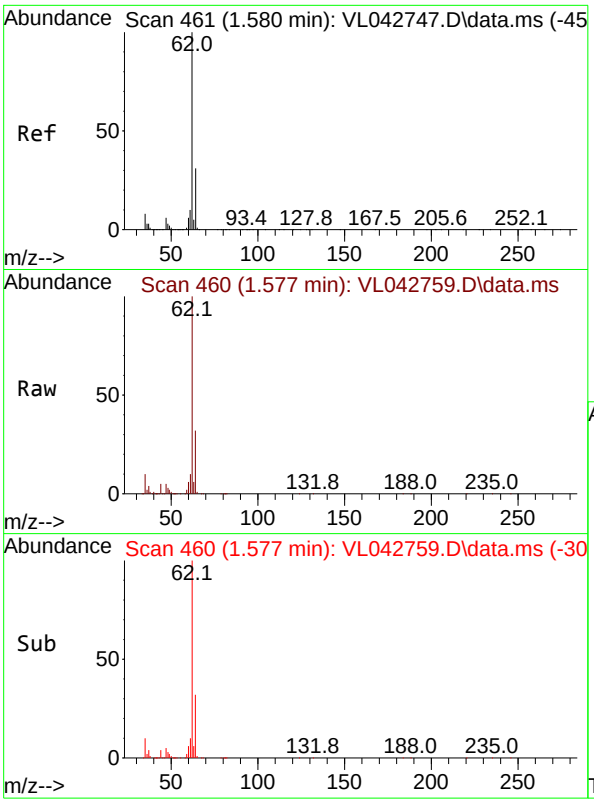


#4
Chloromethane
Concen: 9.390 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 50 Resp: 73859

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0

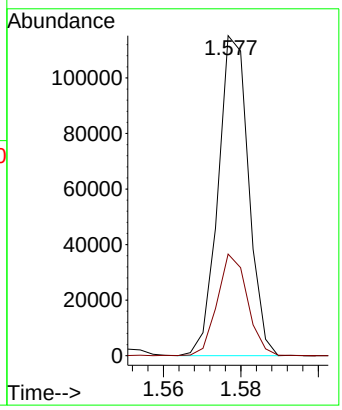




#5
Vinyl Chloride
Concen: 8.112 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 62 Resp: 6303

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
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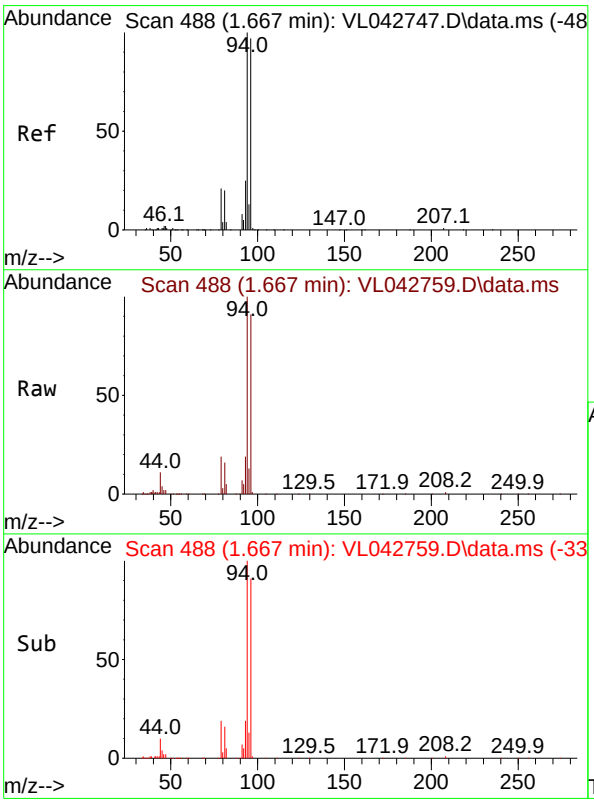
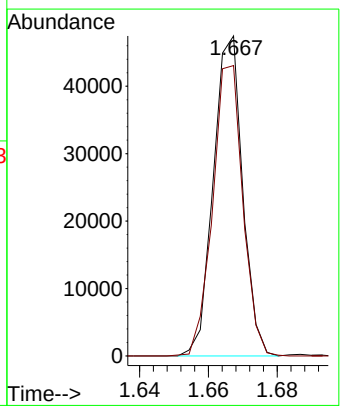
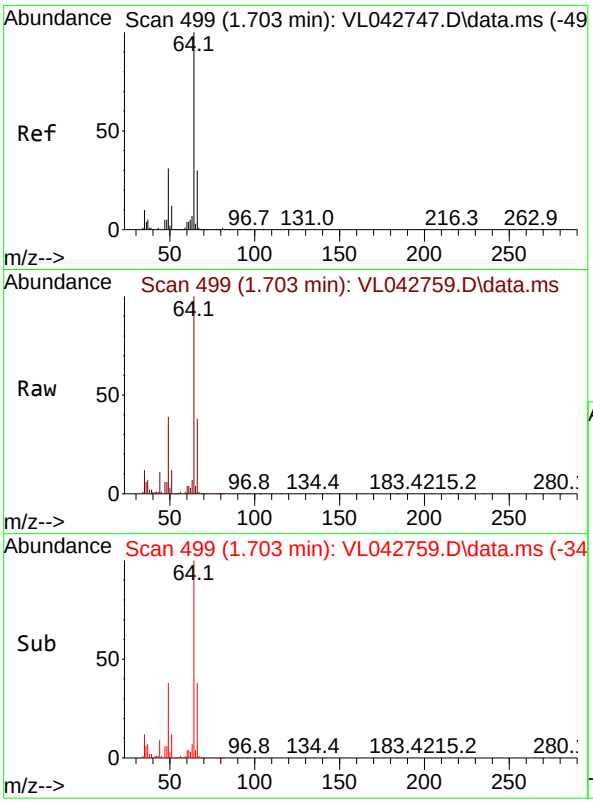


#6
Bromomethane
Concen: 9.347 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 94 Resp: 28082

Ion	Ratio	Lower	Upper
94	100		
96	90.5	77.6	116.4

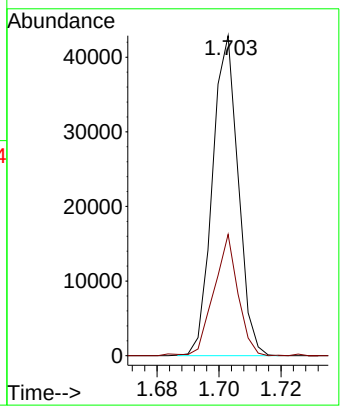




#7
Chloroethane
Concen: 8.235 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 64 Resp: 2472

Ion	Ratio	Lower	Upper
64	100		
66	37.9	24.1	36.1#



Instrument :
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ClientSampleId :
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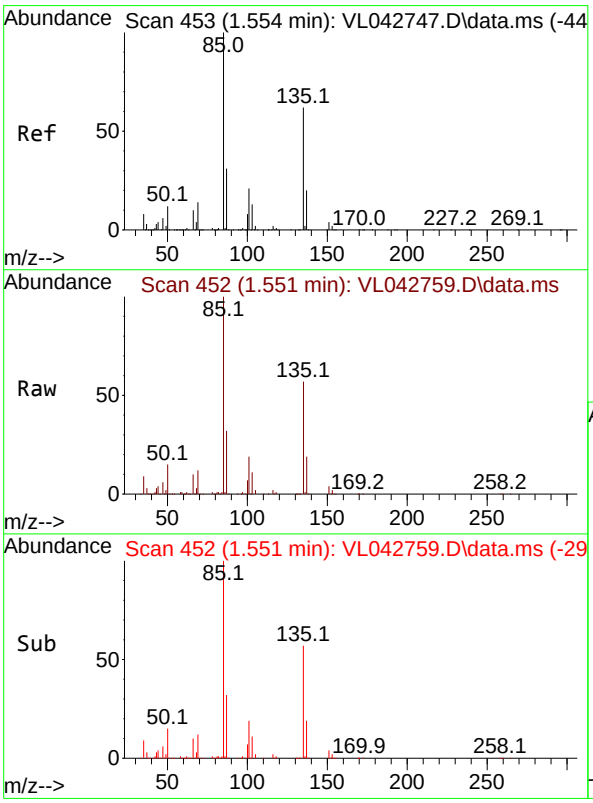
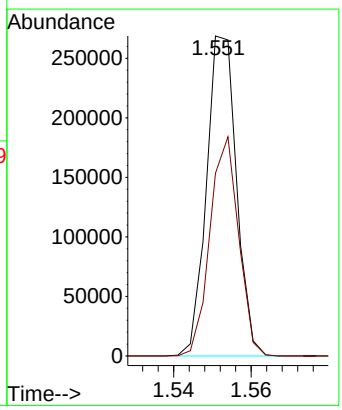
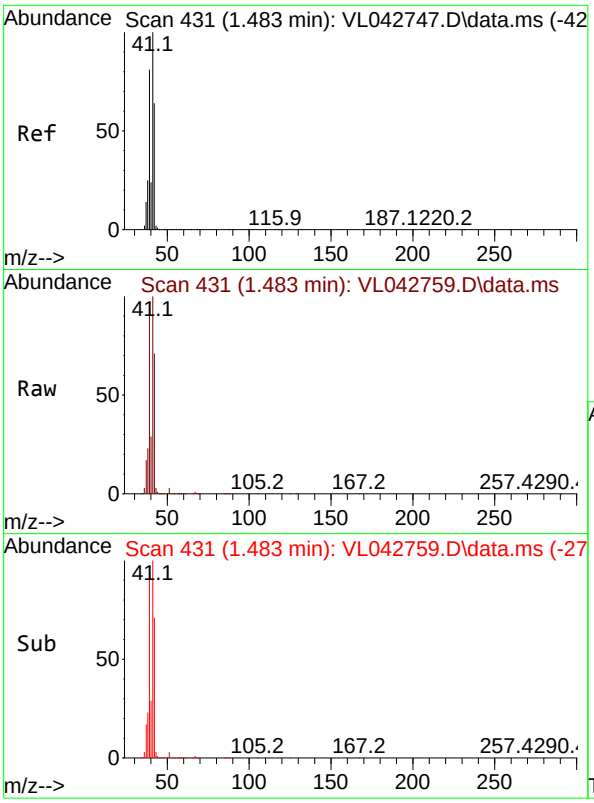


#8
Dichlorotetrafluoroethane
Concen: 9.063 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 85 Resp: 144903

Ion	Ratio	Lower	Upper
85	100		
135	65.2	50.6	76.0

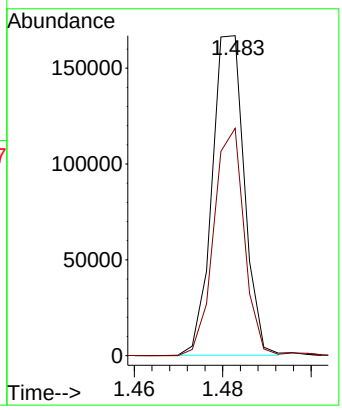




#9
Propene
Concen: 9.186 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 41 Resp: 8455

Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.2	79.8



Instrument :
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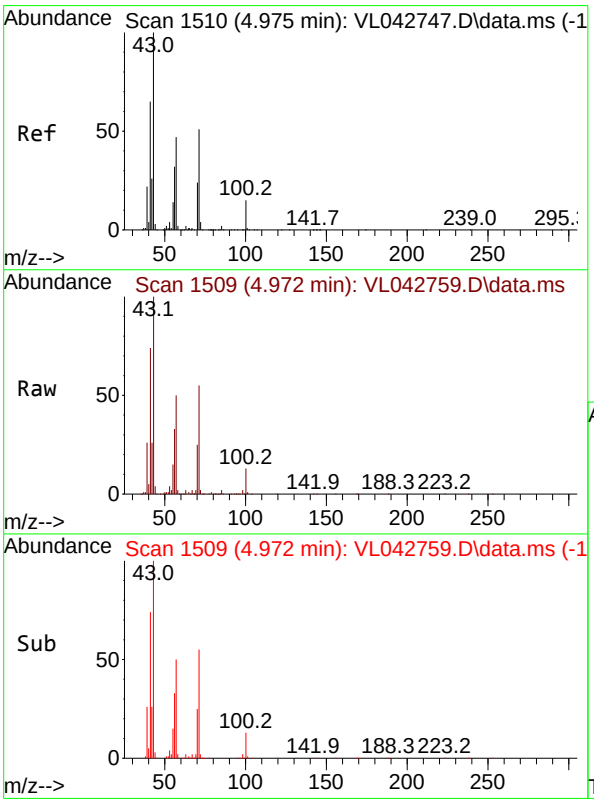
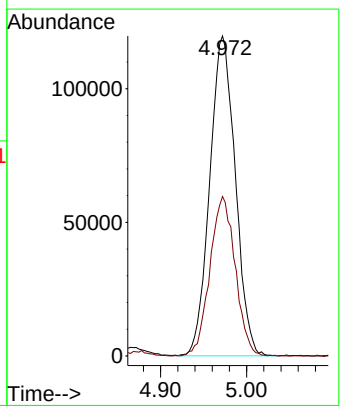
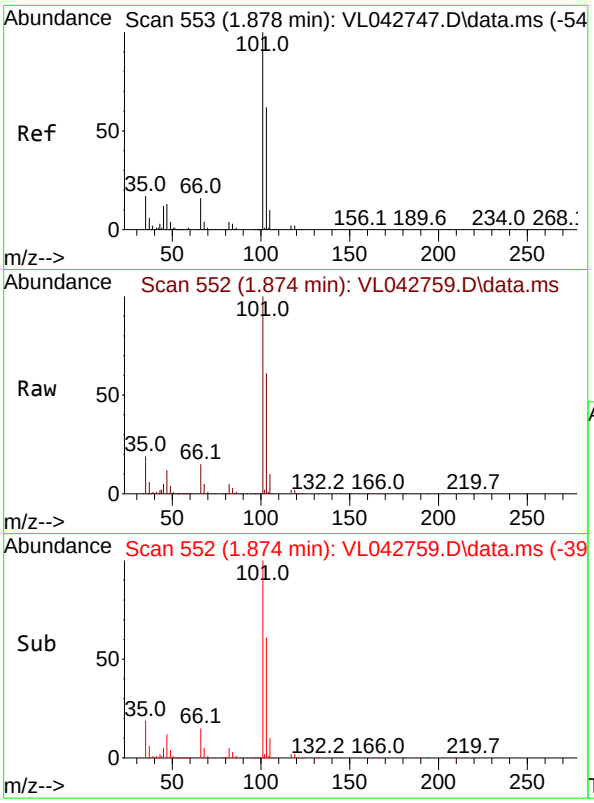


#10
Heptane
Concen: 9.946 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 246854

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.9	59.9





#11
Trichlorofluoromethane
Concen: 9.255 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:101 Resp: 18548

Ion	Ratio	Lower	Upper
101	100		
103	60.6	49.6	74.4

Instrument :
MSVOA_L
ClientSampleId :
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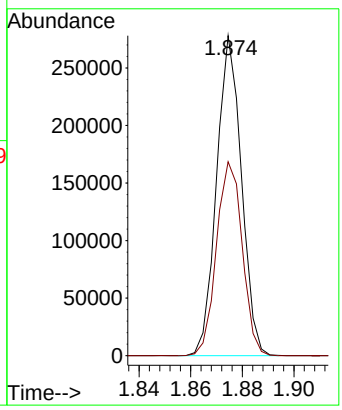
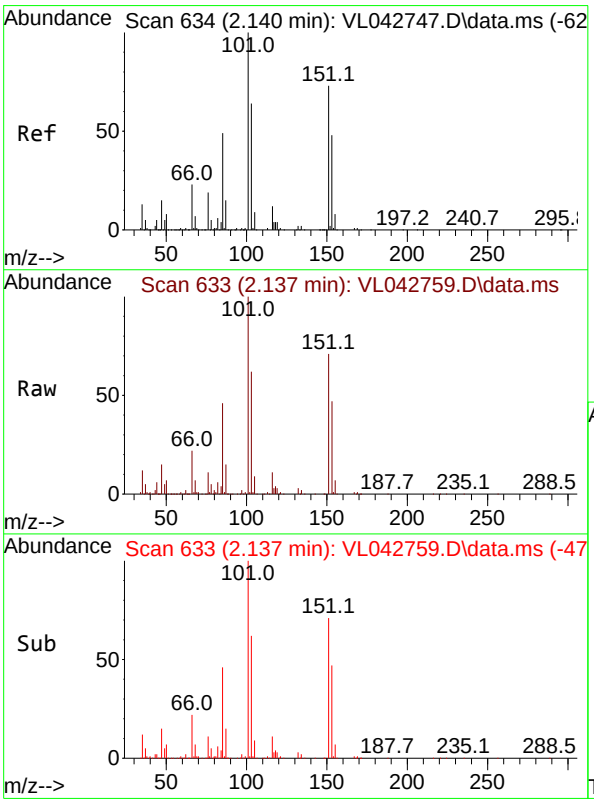
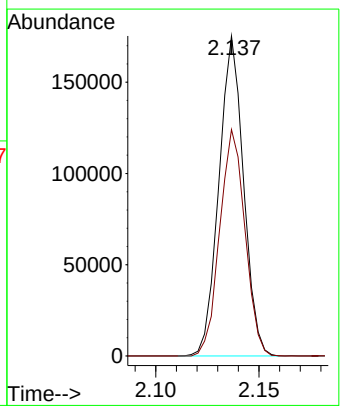


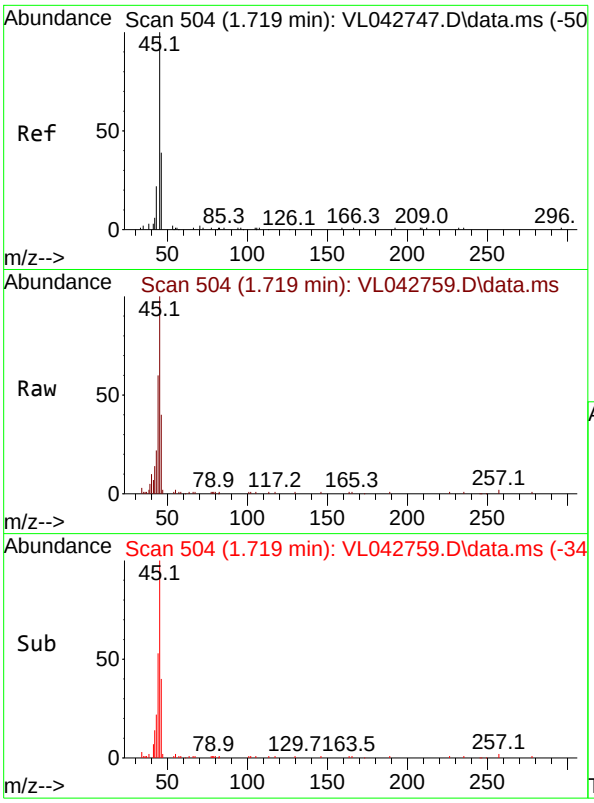


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.521 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:101 Resp: 145000

Ion	Ratio	Lower	Upper
101	100		
151	72.7	60.5	90.7

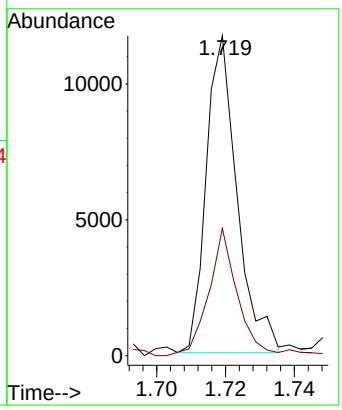




#13
Ethanol
Concen: 9.697 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 45 Resp: 727

Ion	Ratio	Lower	Upper
45	100		
46	41.1	17.8	71.4



Instrument :
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ClientSampleId :
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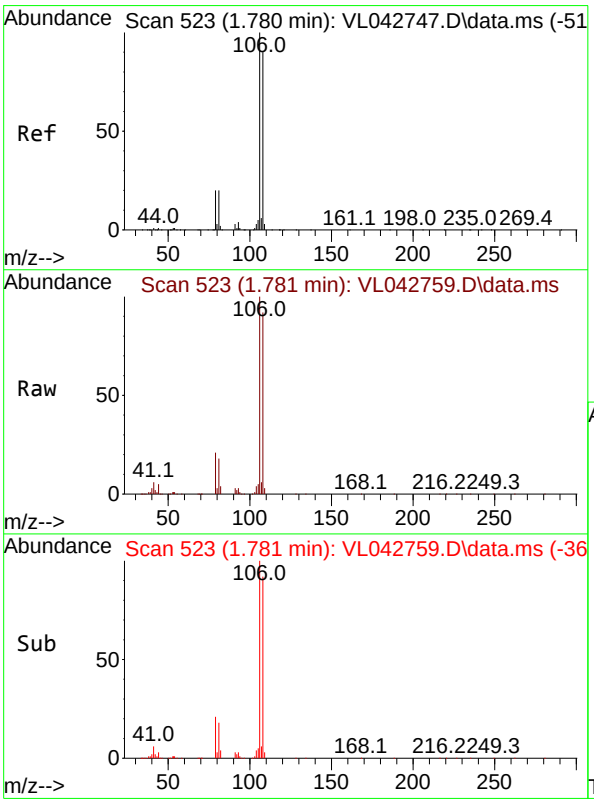
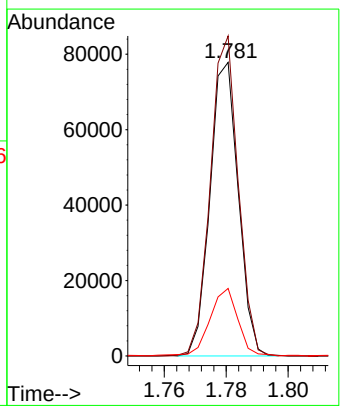
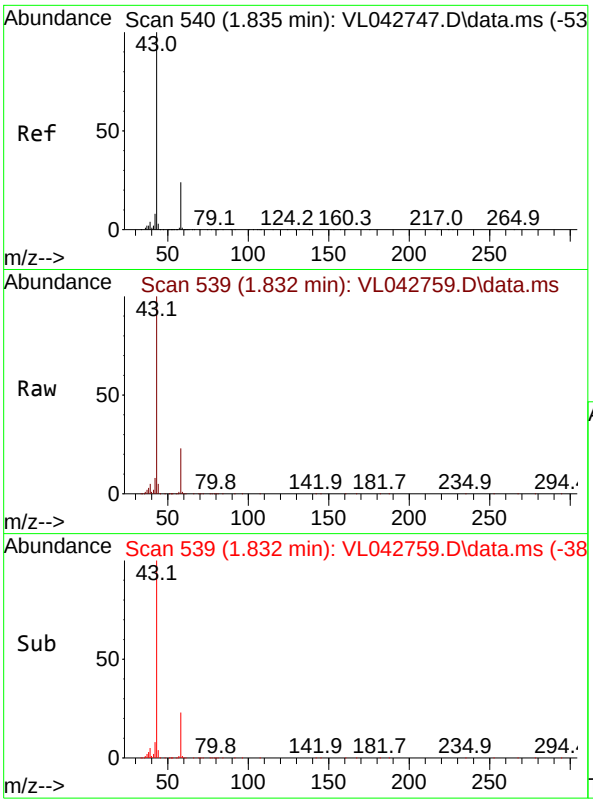


#14
Bromoethene
Concen: 9.174 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:108 Resp: 49468

Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.7	127.1
79	23.8	17.4	26.2

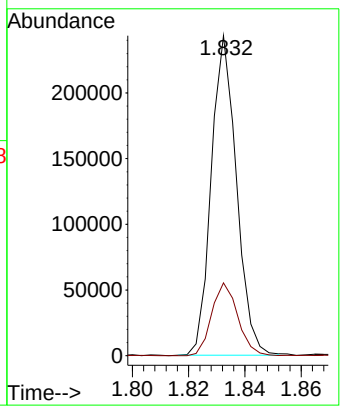




#15
Acetone
Concen: 7.451 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 15129

Ion	Ratio	Lower	Upper
43	100		
58	23.7	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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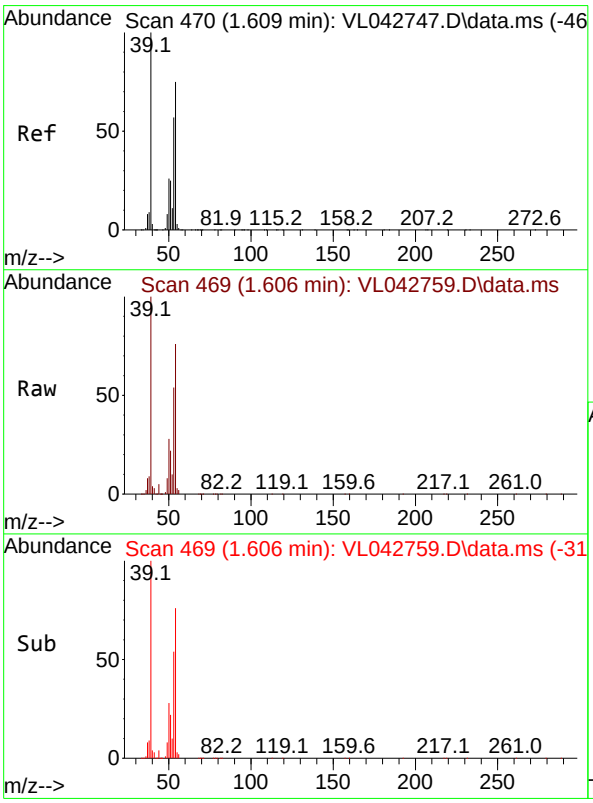
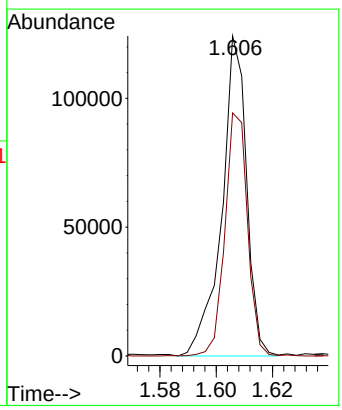
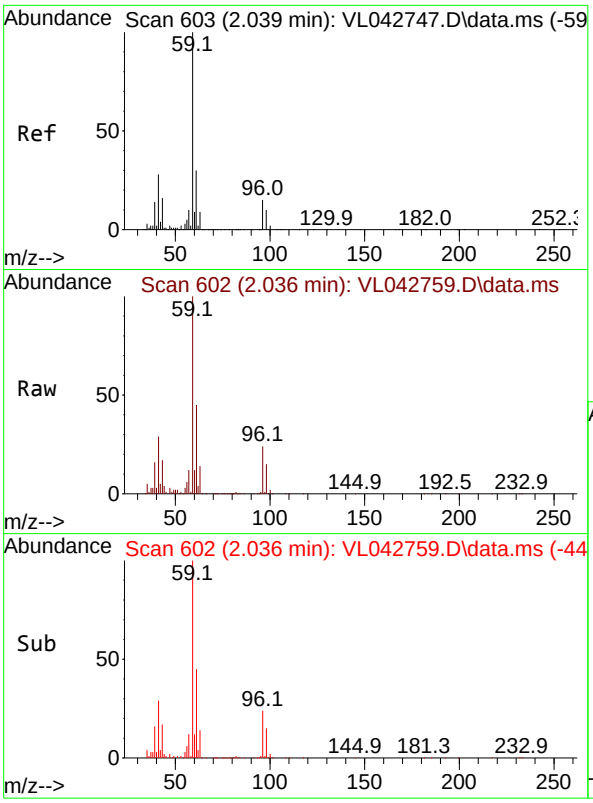


#16
1,3-Butadiene
Concen: 8.788 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 39 Resp: 76114

Ion	Ratio	Lower	Upper
39	100		
54	69.3	54.5	81.7

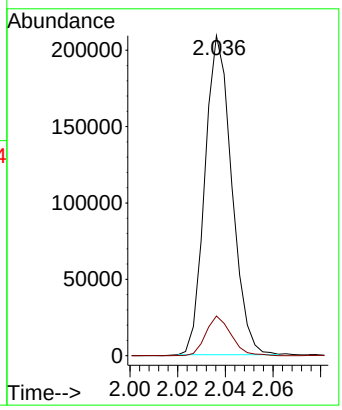




#17
tert-Butyl alcohol
Concen: 8.926 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 59 Resp: 16345

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.3	12.5



Instrument :
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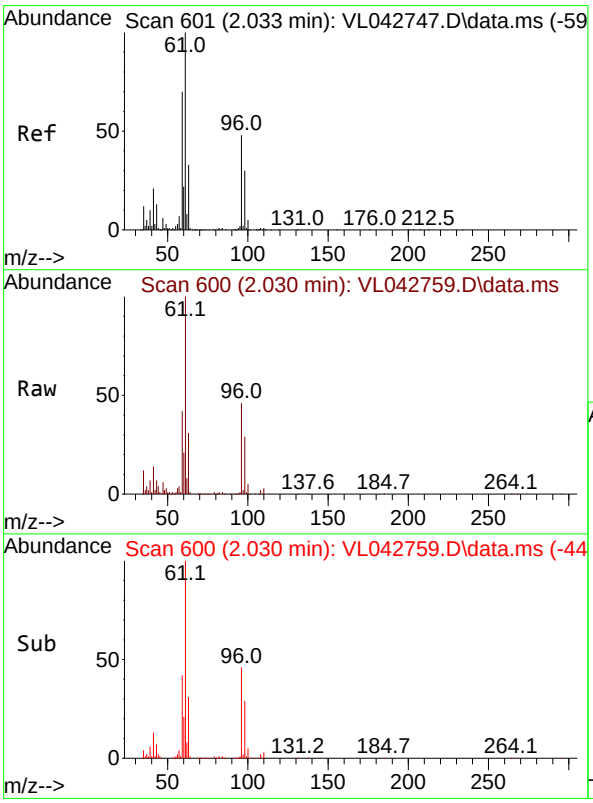
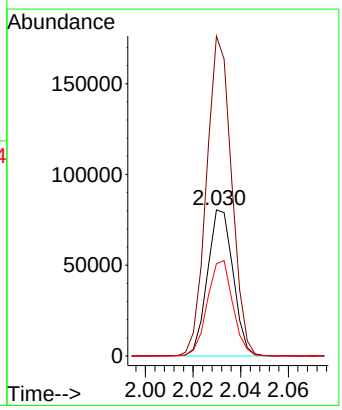
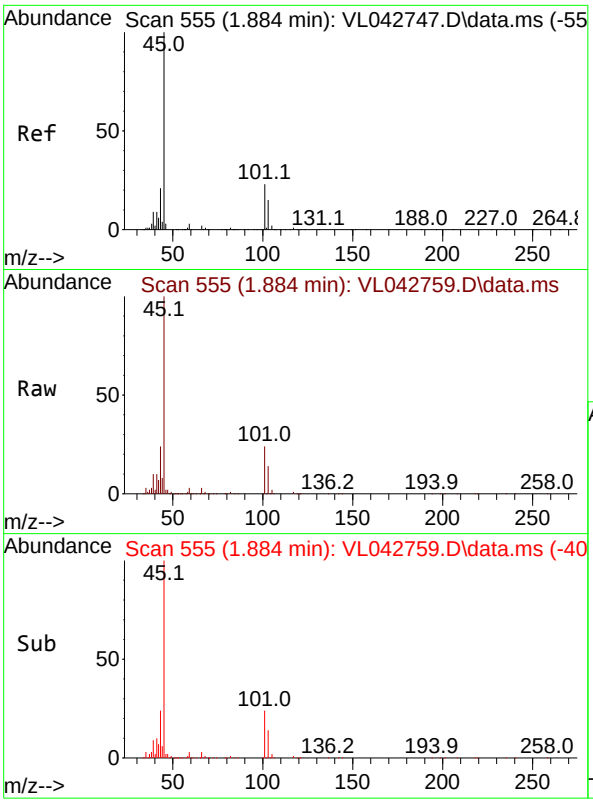


#18
1,1-Dichloroethene
Concen: 8.750 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 96 Resp: 60208

Ion	Ratio	Lower	Upper
96	100		
61	219.0	165.8	248.6
98	63.1	49.9	74.9

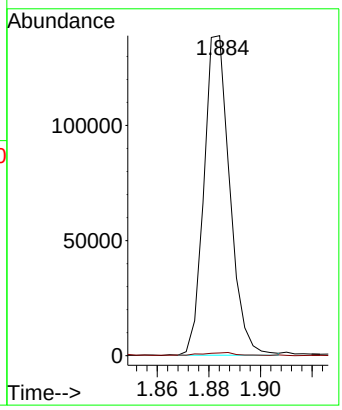




#19
Isopropyl Alcohol
Concen: 8.936 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 45 Resp: 9641

Ion	Ratio	Lower	Upper
45	100		
58	1.7	30.0	45.0#



Instrument :
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ClientSampleId :
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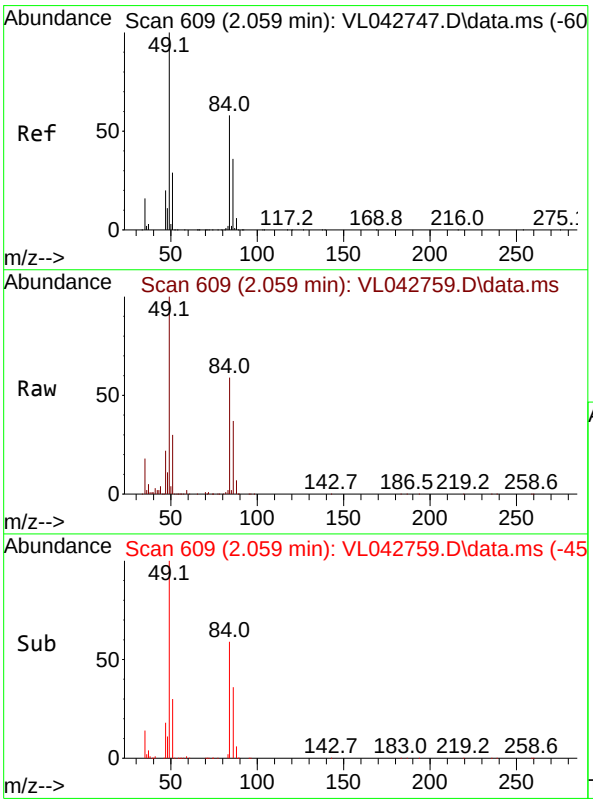
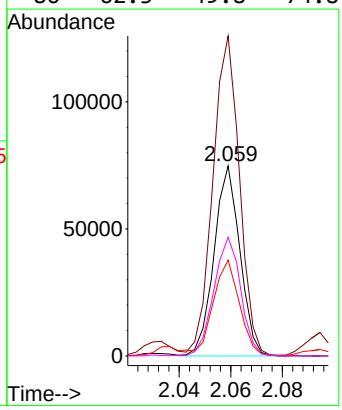
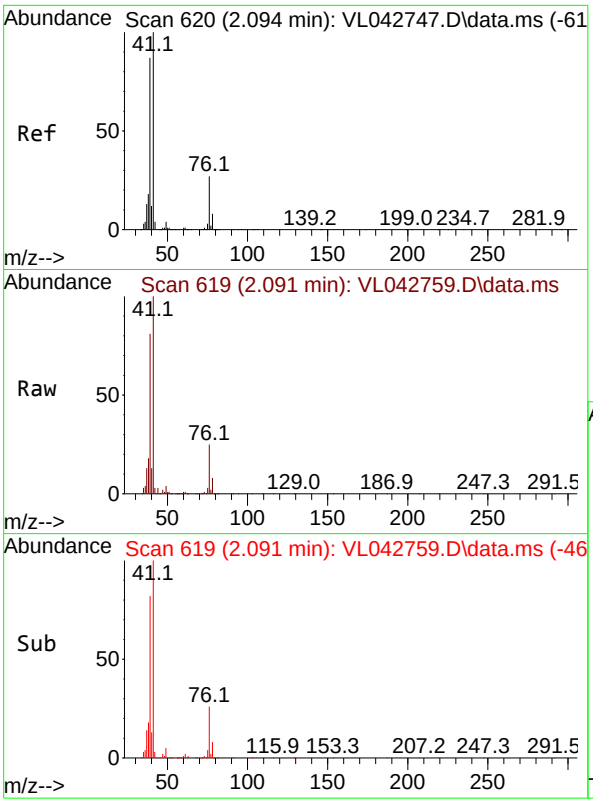


#20
Methylene Chloride
Concen: 8.147 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 84 Resp: 52131

Ion	Ratio	Lower	Upper
84	100		
49	167.6	138.6	208.0
51	50.3	40.6	61.0
86	62.3	49.8	74.8

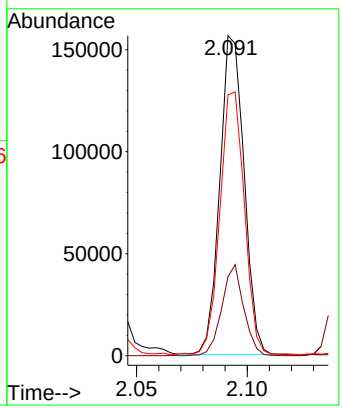




#21
Allyl Chloride
Concen: 9.549 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 41 Resp: 11949

Ion	Ratio	Lower	Upper
41	100		
76	25.7	21.1	31.7
39	82.9	68.3	102.5



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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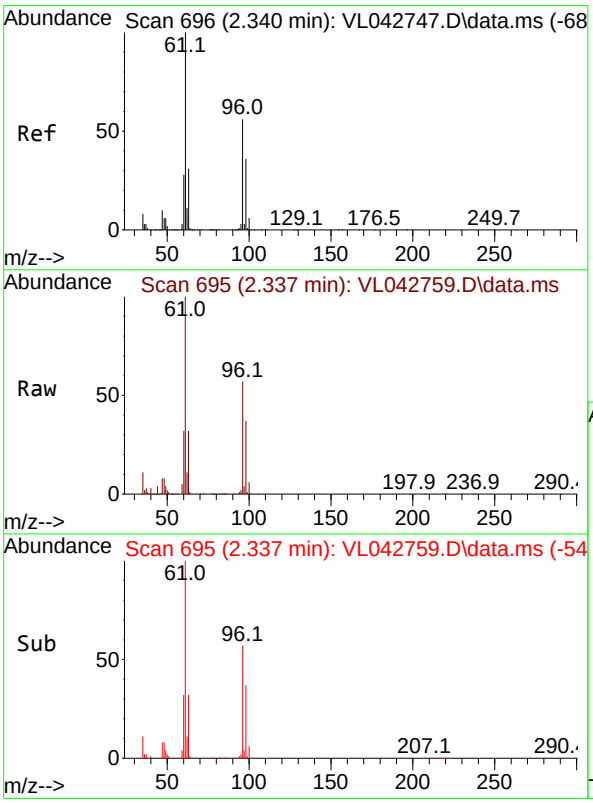
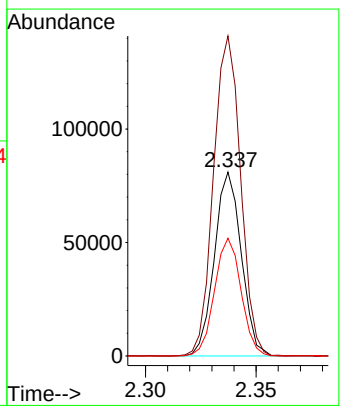
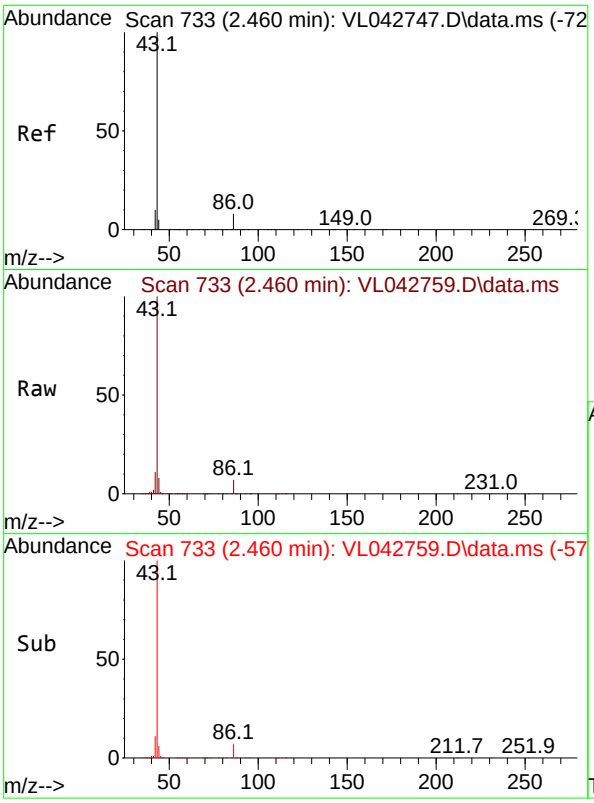


#22
trans-1,2-Dichloroethene
Concen: 9.253 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 96 Resp: 68496

Ion	Ratio	Lower	Upper
96	100		
61	173.8	142.3	213.5
98	64.0	50.6	76.0

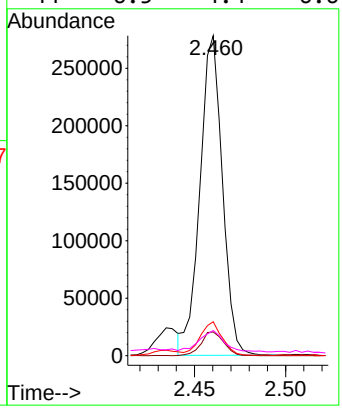




#23
Vinyl Acetate
Concen: 9.704 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 23886

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.1	9.1
42	10.4	7.8	11.8
44	6.5	4.4	6.6



Instrument :
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ClientSampleId :
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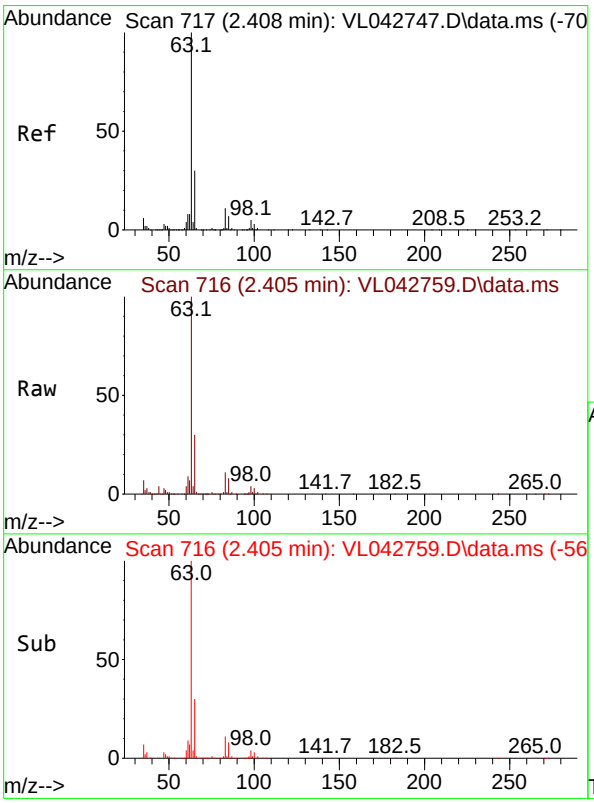
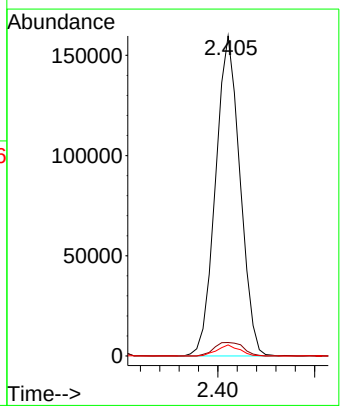
Supervised By :Mahesh Dadoda 07/25/2025

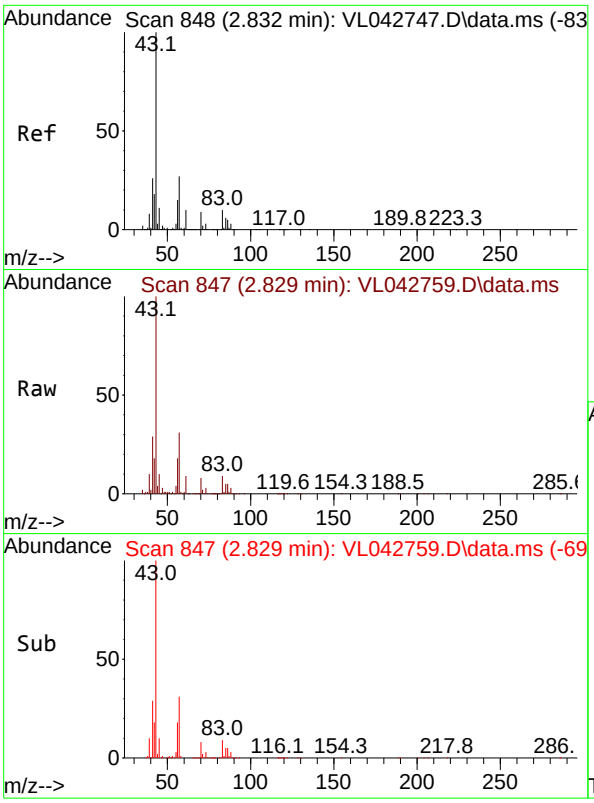


#24
1,1-Dichloroethane
Concen: 9.221 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 63 Resp: 140101

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.4
100	3.4	1.6	4.8

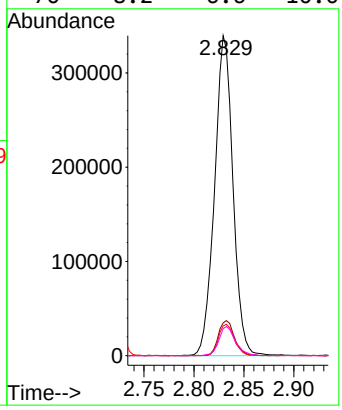




#25
Ethyl Acetate
Concen: 9.681 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 43511

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	8.4	6.7	10.1
70	8.2	6.6	10.0



Instrument :
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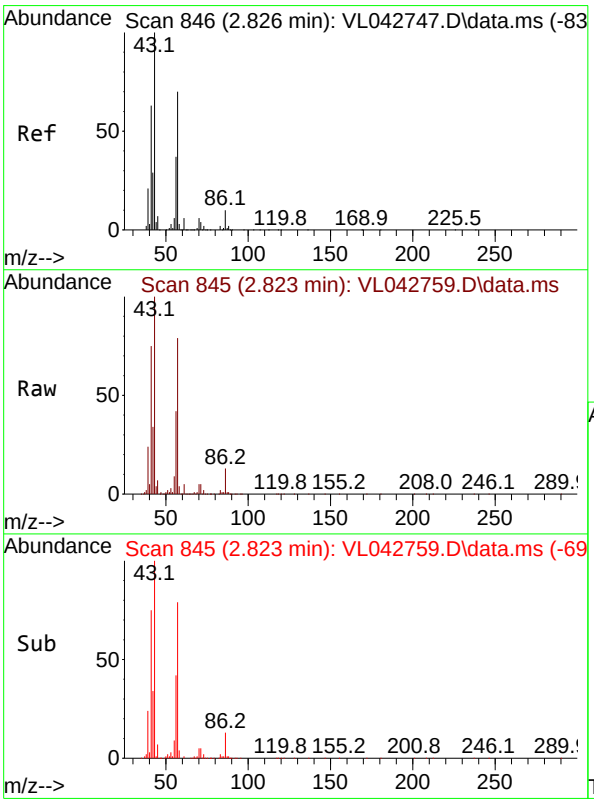
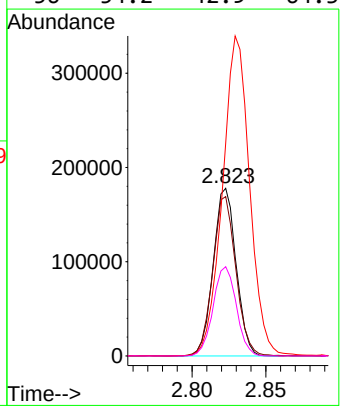
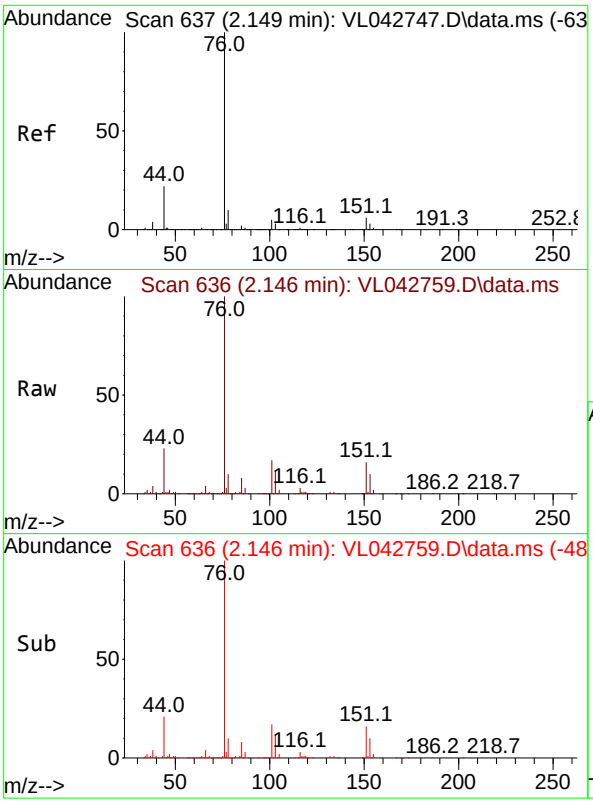


#26
Hexane
Concen: 9.730 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 57 Resp: 191824

Ion	Ratio	Lower	Upper
57	100		
41	96.7	75.4	113.2
43	227.7	185.0	277.6
56	54.2	42.9	64.3

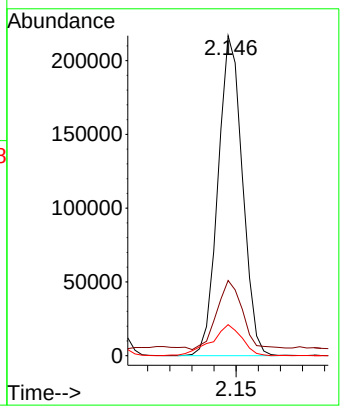




#27
Carbon Disulfide
Concen: 9.858 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 76 Resp: 16639

Ion	Ratio	Lower	Upper
76	100		
44	26.7	19.3	28.9
78	12.1	9.9	14.9



Instrument :
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ClientSampleId :
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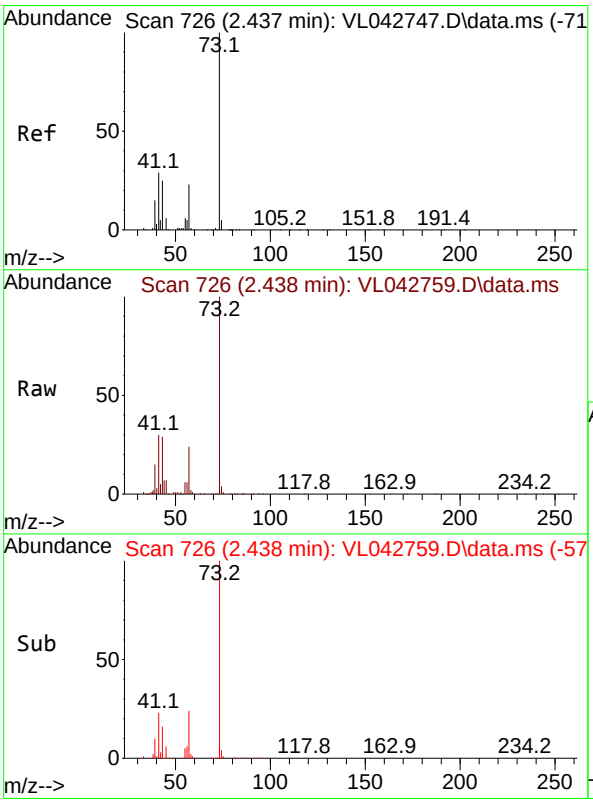
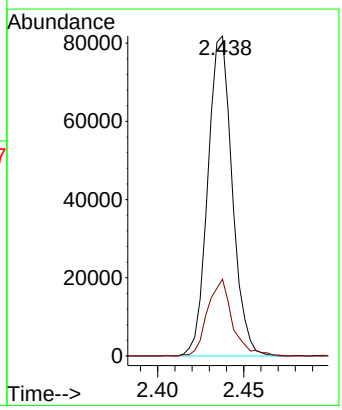
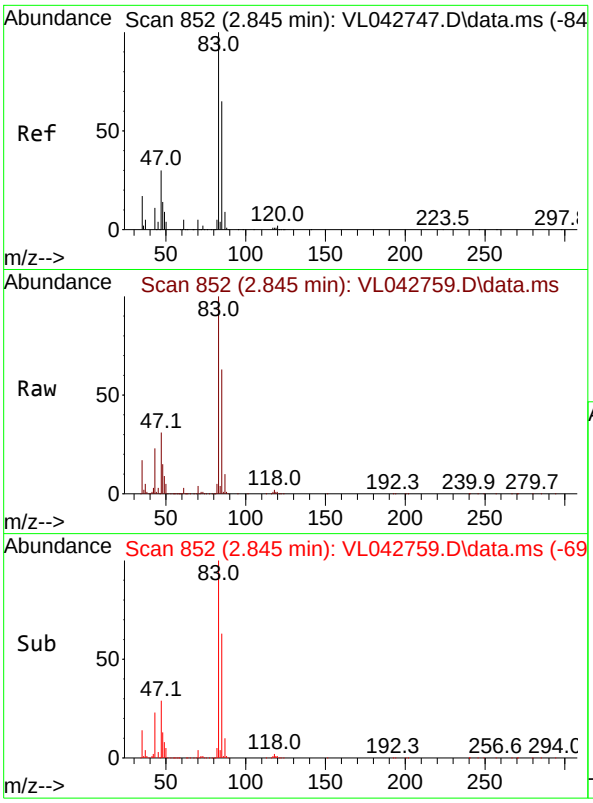


#28
Methyl tert-Butyl Ether
Concen: 8.666 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 73 Resp: 80712

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.8

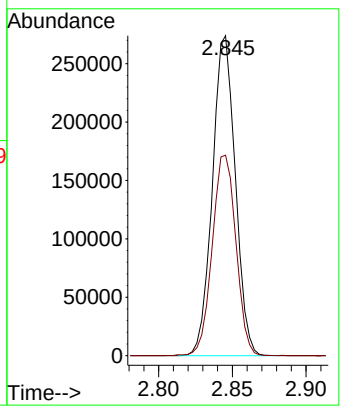




#29
Chloroform
Concen: 9.717 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 83 Resp: 29604

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
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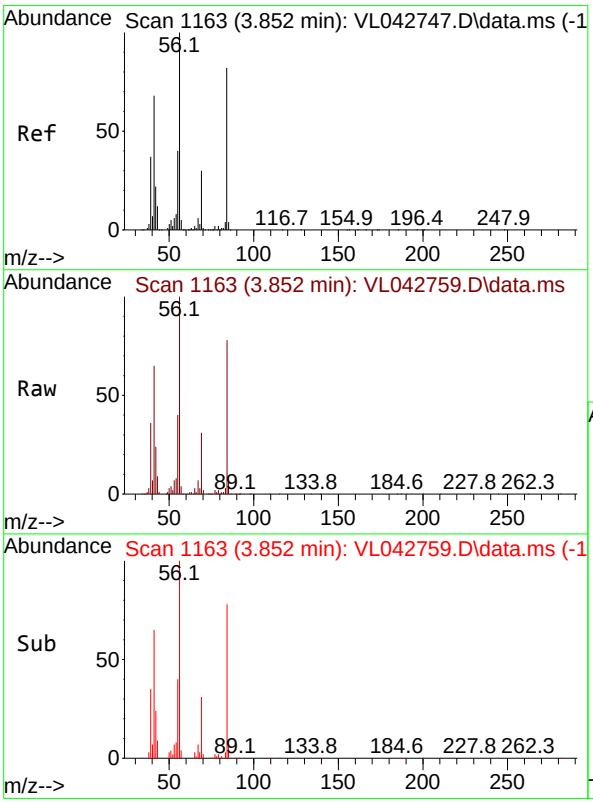
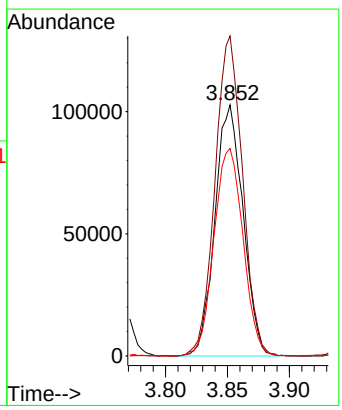
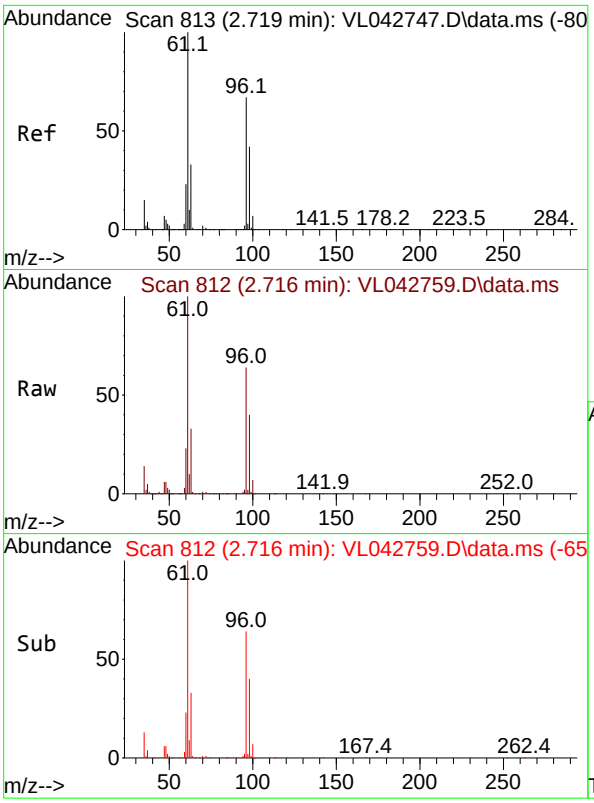


#30
Cyclohexane
Concen: 9.711 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 84 Resp: 162375

Ion	Ratio	Lower	Upper
84	100		
56	125.0	97.5	146.3
41	85.8	67.2	100.8

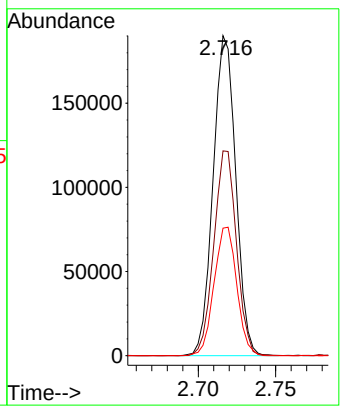




#31
cis-1,2-Dichloroethene
Concen: 9.548 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 61 Resp: 19343

Ion	Ratio	Lower	Upper
61	100		
96	64.0	53.5	80.3
98	39.8	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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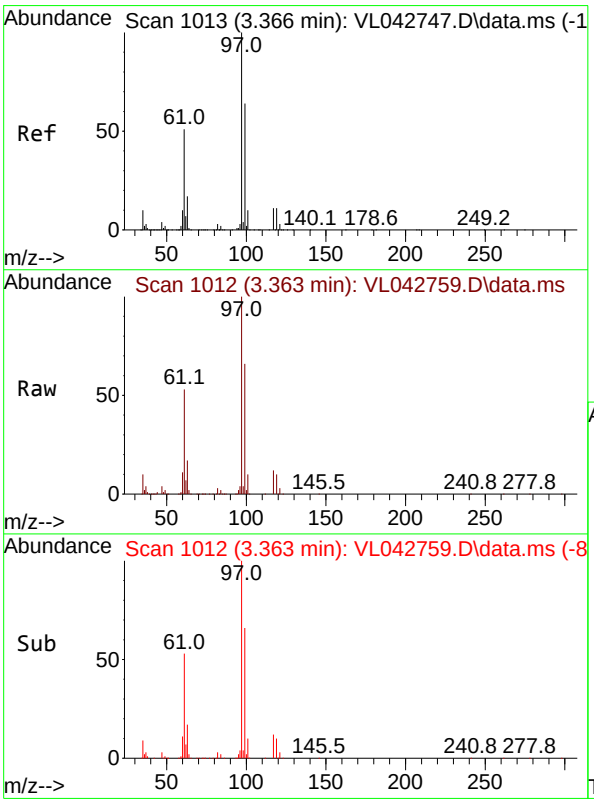
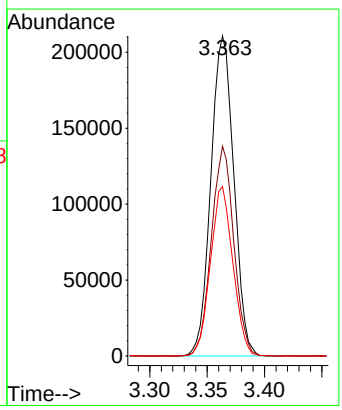
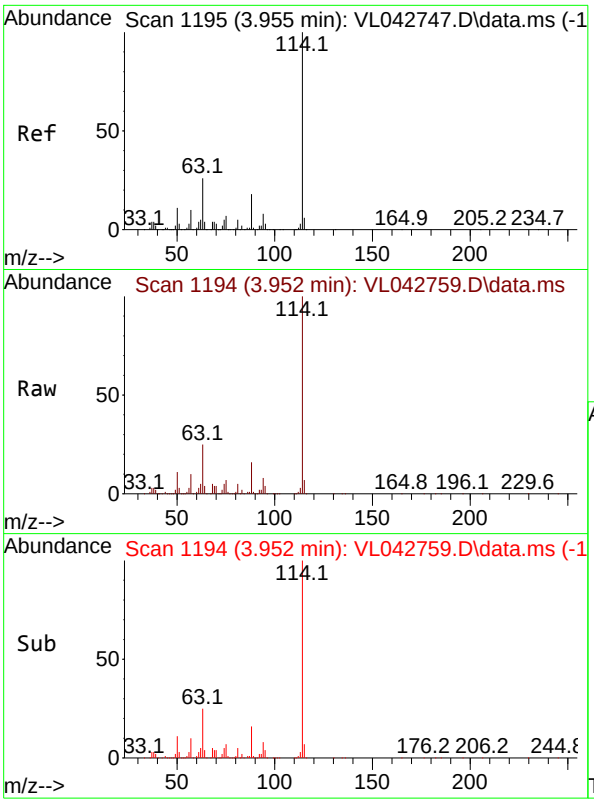


#32
1,1,1-Trichloroethane
Concen: 9.250 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 97 Resp: 293531

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	51.8	40.9	61.3

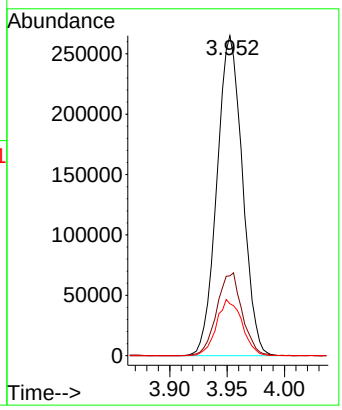




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:114 Resp: 40974

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	17.6	14.0	21.0



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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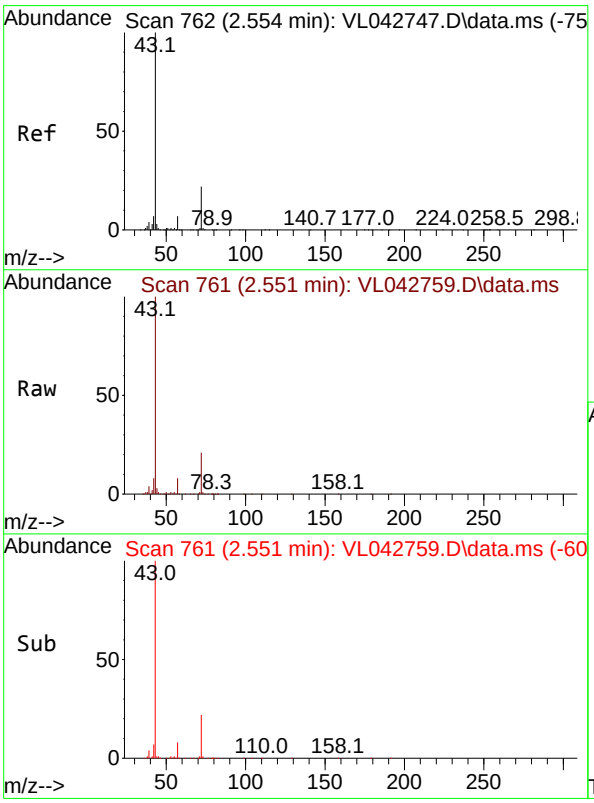
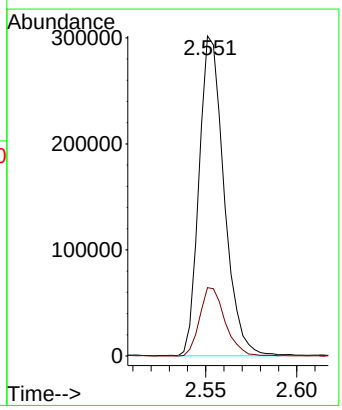
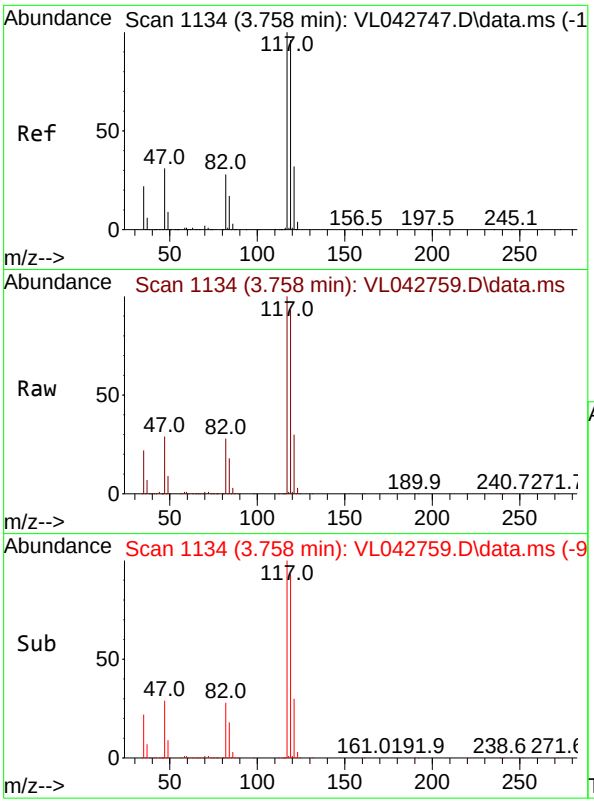


#34
2-Butanone
Concen: 9.923 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 288013

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0

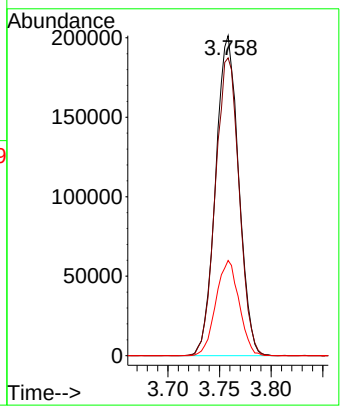




#35
Carbon Tetrachloride
Concen: 10.284 ppbv
RT: 3.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:117 Resp: 31300

Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.1	115.7
121	29.8	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
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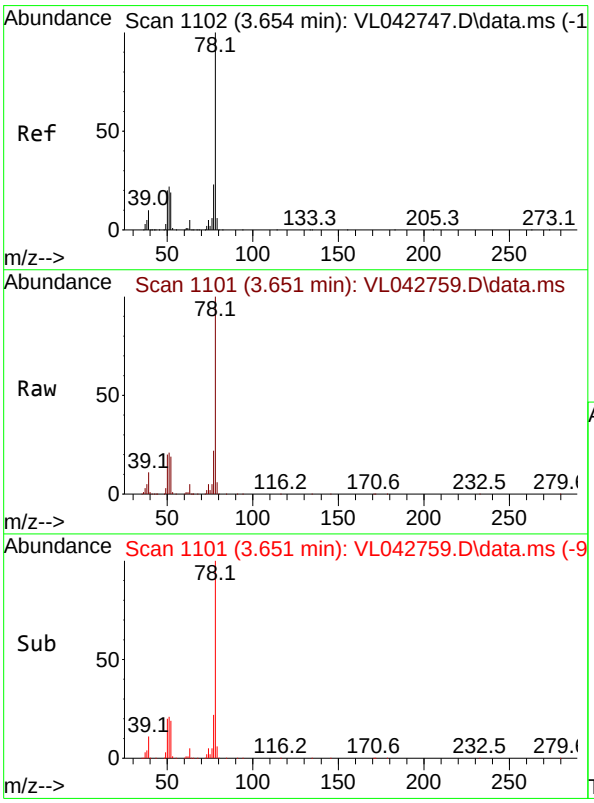
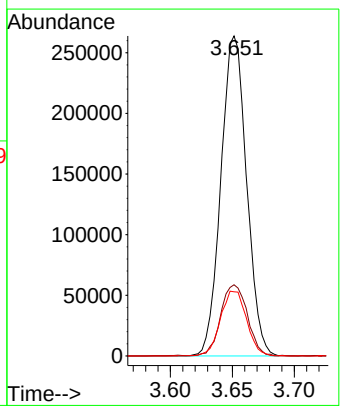
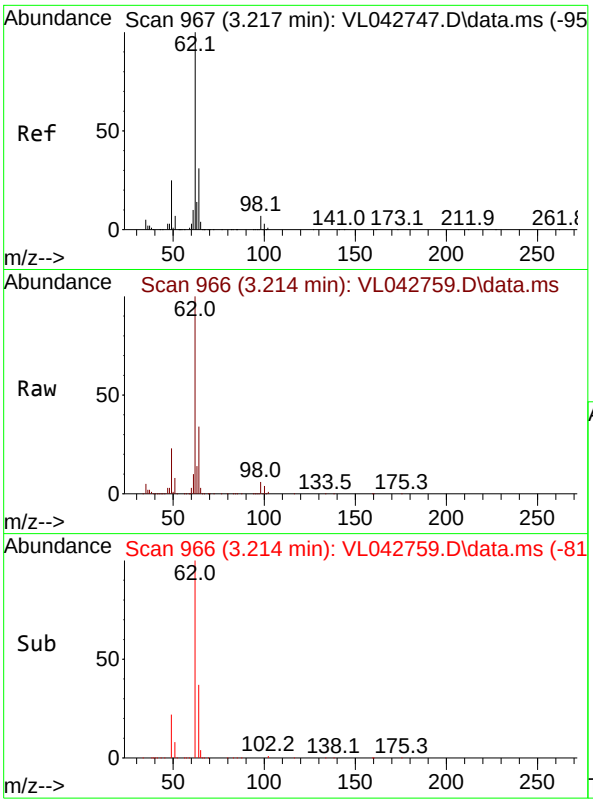


#36
Benzene
Concen: 9.842 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 78 Resp: 382210

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.5	27.7
50	20.0	16.2	24.2

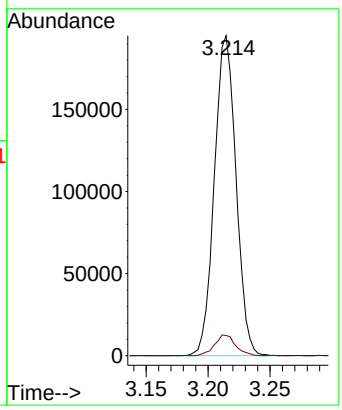




#37
1,2-Dichloroethane
Concen: 10.152 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 62 Resp: 23748

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.2	7.8



Instrument :
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ClientSampleId :
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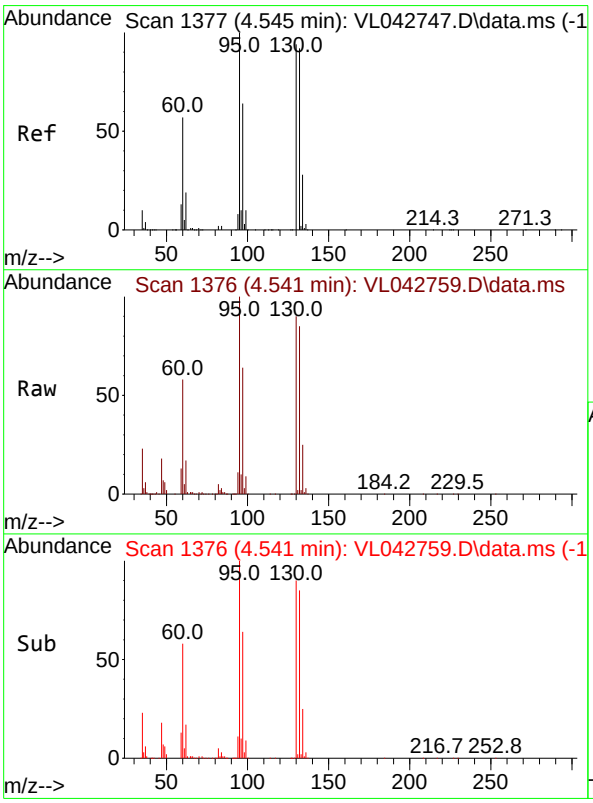
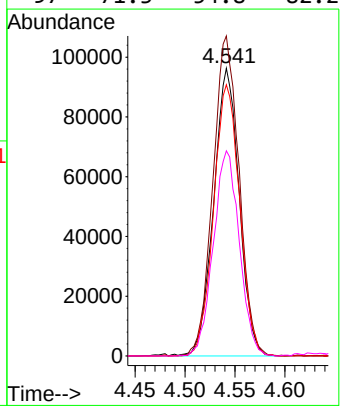
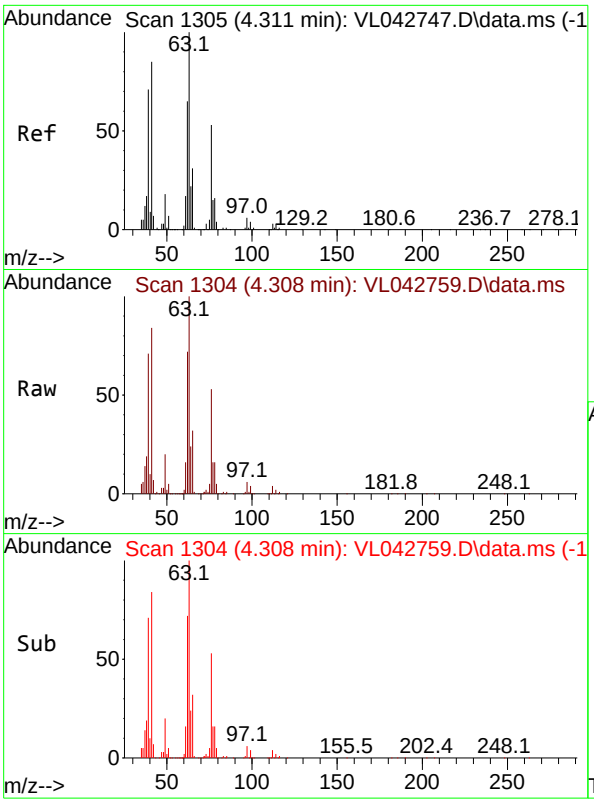


#38
Trichloroethene
Concen: 9.164 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:130 Resp: 170959

Ion	Ratio	Lower	Upper
130	100		
95	111.2	85.4	128.2
132	94.2	78.2	117.2
97	71.3	54.8	82.2

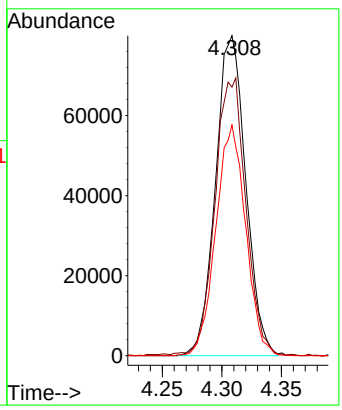




#39
1,2-Dichloropropane
Concen: 9.855 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 63 Resp: 14127

Ion	Ratio	Lower	Upper
63	100		
41	83.4	68.2	102.4
62	71.8	52.0	78.0



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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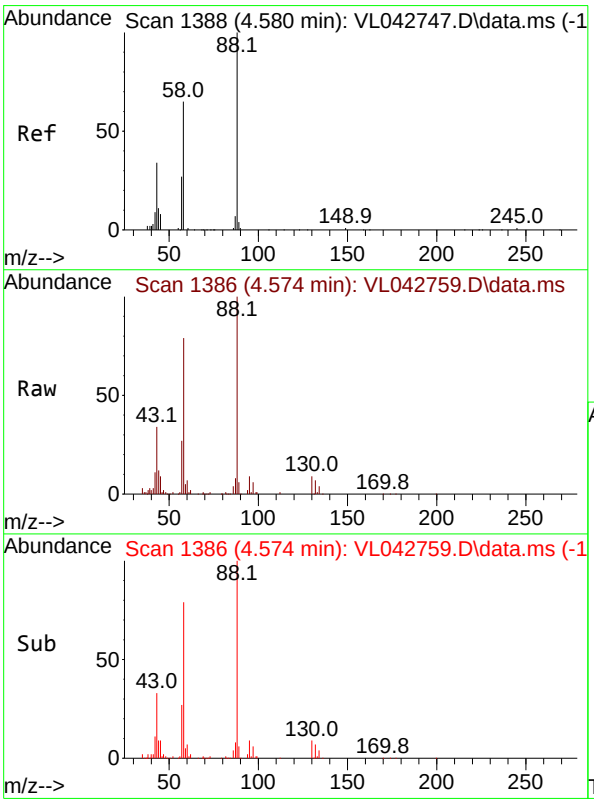
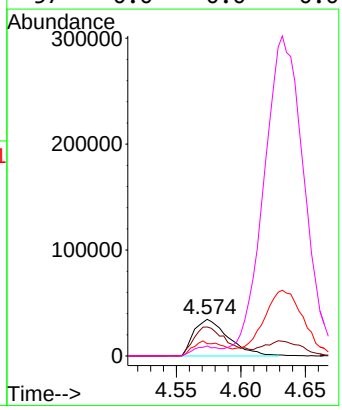
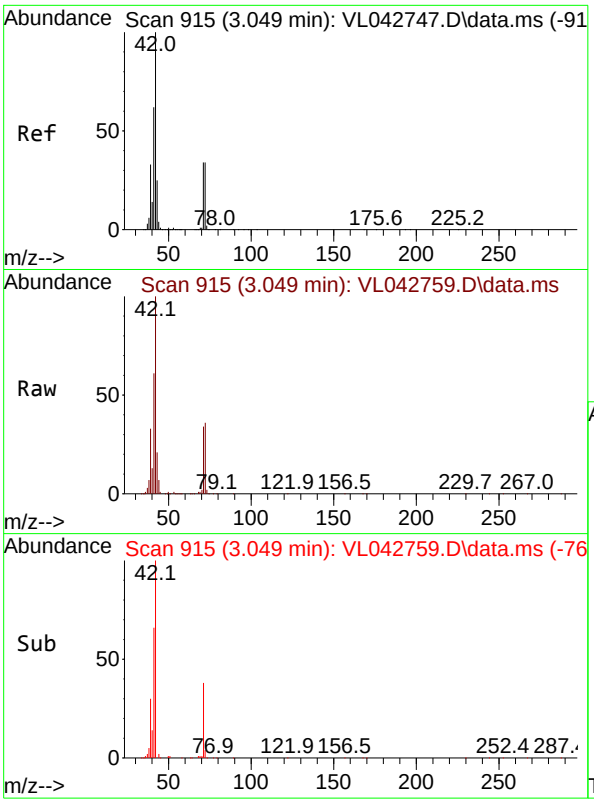


#40
1,4-Dioxane
Concen: 9.669 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 88 Resp: 64606

Ion	Ratio	Lower	Upper
88	100		
58	78.0	58.8	88.2
43	40.0	28.9	43.3
57	0.0	0.0	0.0

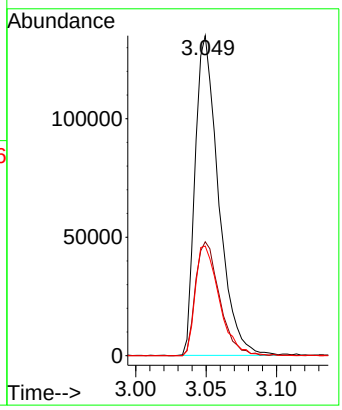




#41
Tetrahydrofuran
Concen: 10.549 ppbv
RT: 3.049 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 42 Resp: 15579

Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.9	46.3
71	35.5	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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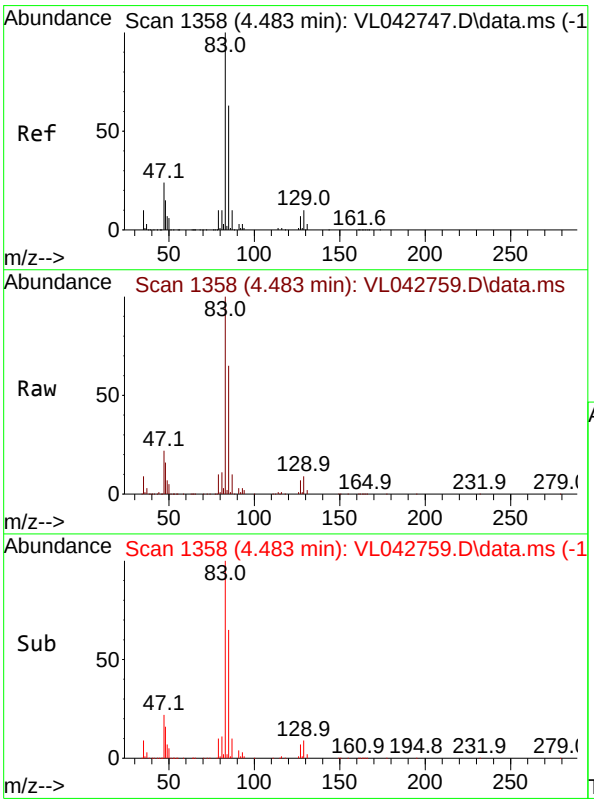
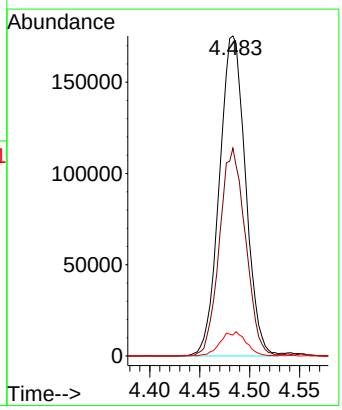
Supervised By :Mahesh Dadoda 07/25/2025

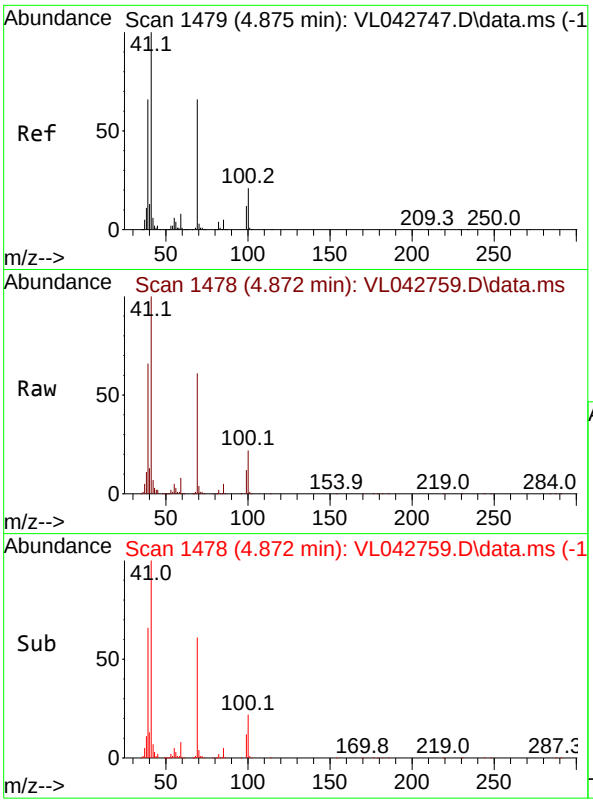


#42
Bromodichloromethane
Concen: 10.486 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 83 Resp: 319463

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	6.5	5.4	8.2

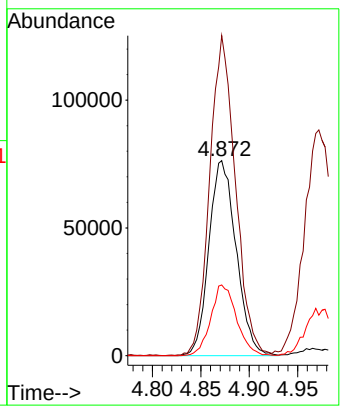




#43
Methyl Methacrylate
Concen: 10.835 ppbv
RT: 4.872 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 69 Resp: 14954

Ion	Ratio	Lower	Upper
69	100		
41	154.4	125.7	188.5
100	34.3	28.6	42.8



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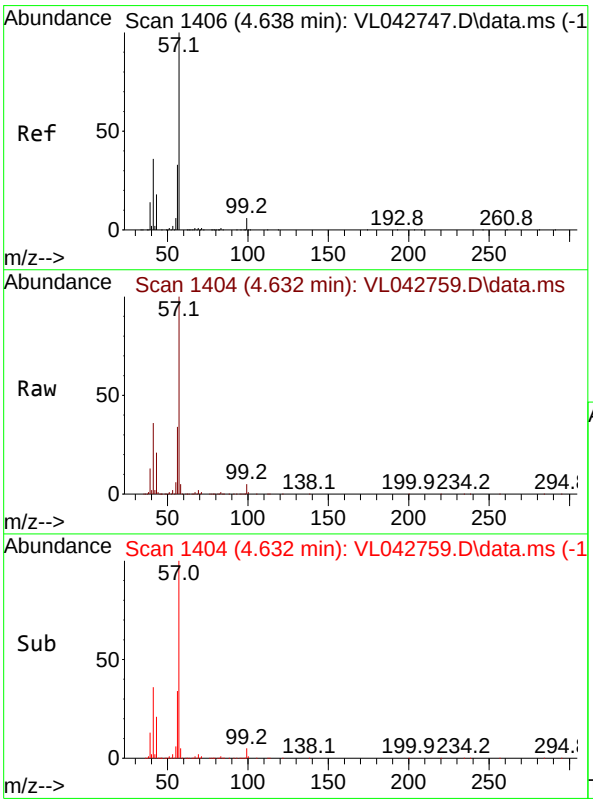
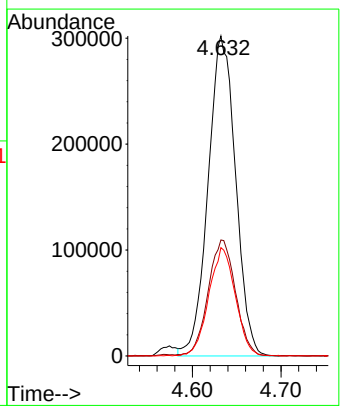
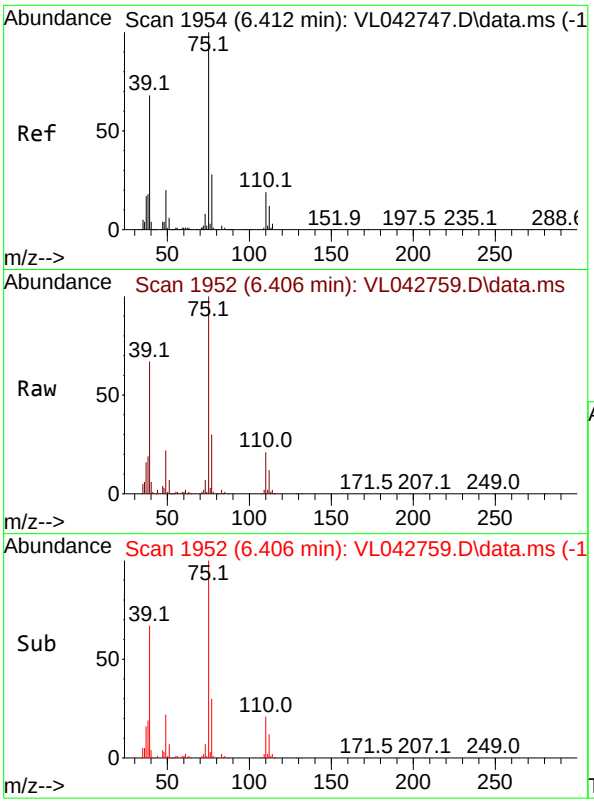


#44
2,2,4-Trimethylpentane
Concen: 10.308 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 57 Resp: 652445

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.8	25.8	38.6

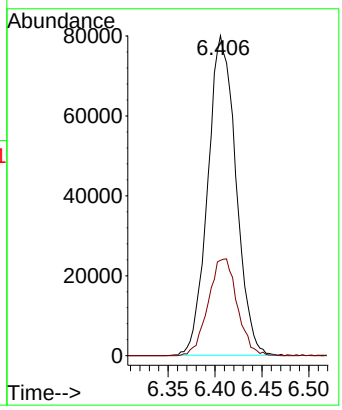




#45
t-1,3-Dichloropropene
Concen: 10.759 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 75 Resp: 16652

Ion	Ratio	Lower	Upper
75	100		
77	29.8	22.4	33.6



Instrument :
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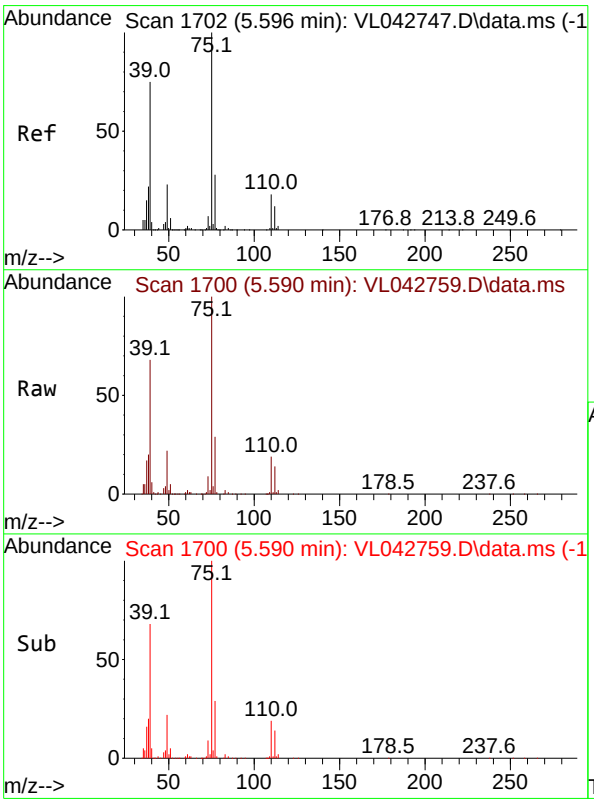
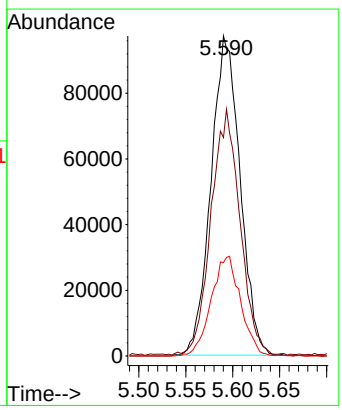
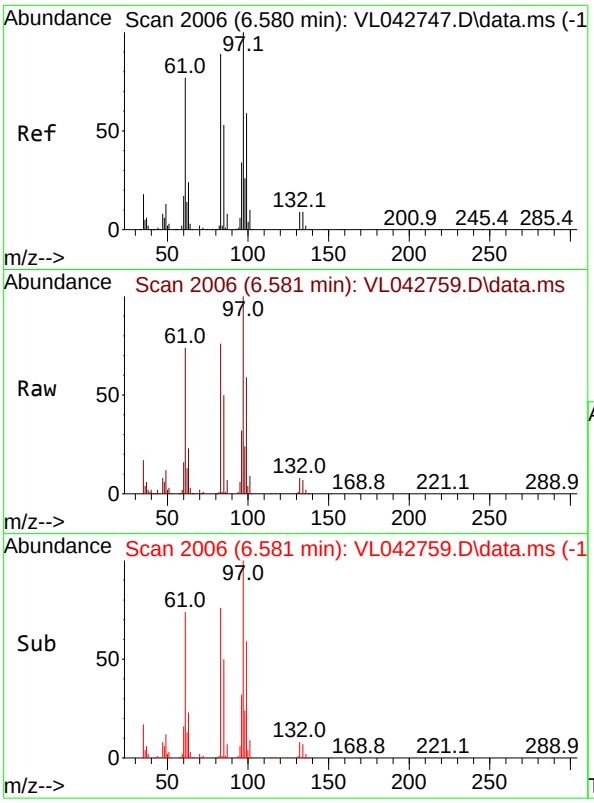


#46
cis-1,3-Dichloropropene
Concen: 10.660 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 75 Resp: 209089

Ion	Ratio	Lower	Upper
75	100		
39	67.9	60.2	90.2
77	29.0	22.6	34.0

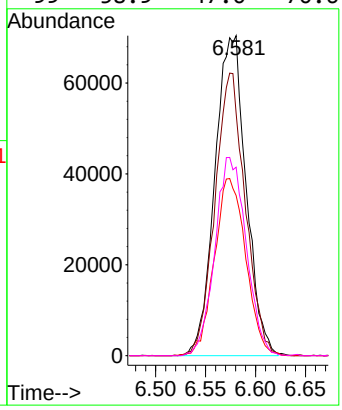




#47
1,1,2-Trichloroethane
Concen: 10.012 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 97 Resp: 15298

Ion	Ratio	Lower	Upper
97	100		
83	75.8	71.1	106.7
85	49.9	43.0	64.4
99	58.9	47.0	70.6



Instrument :
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ClientSampleId :
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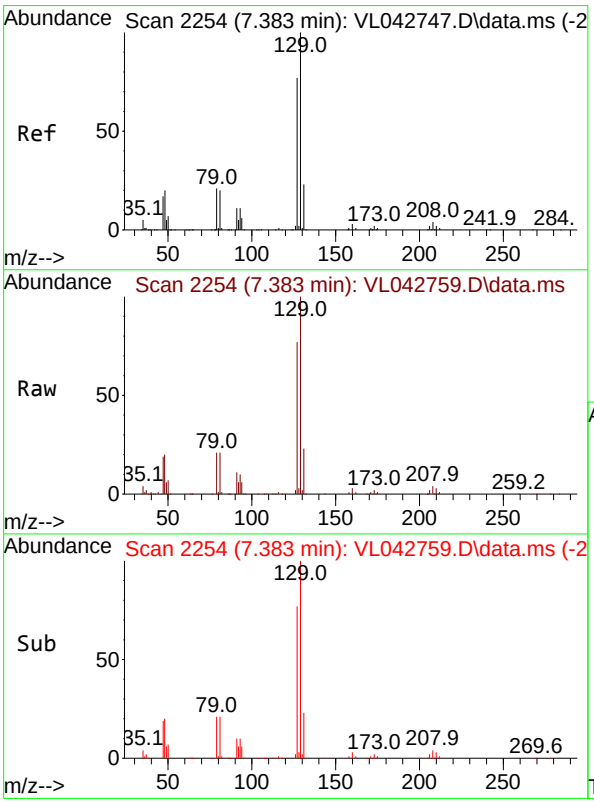
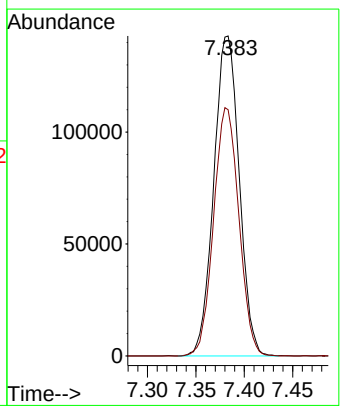
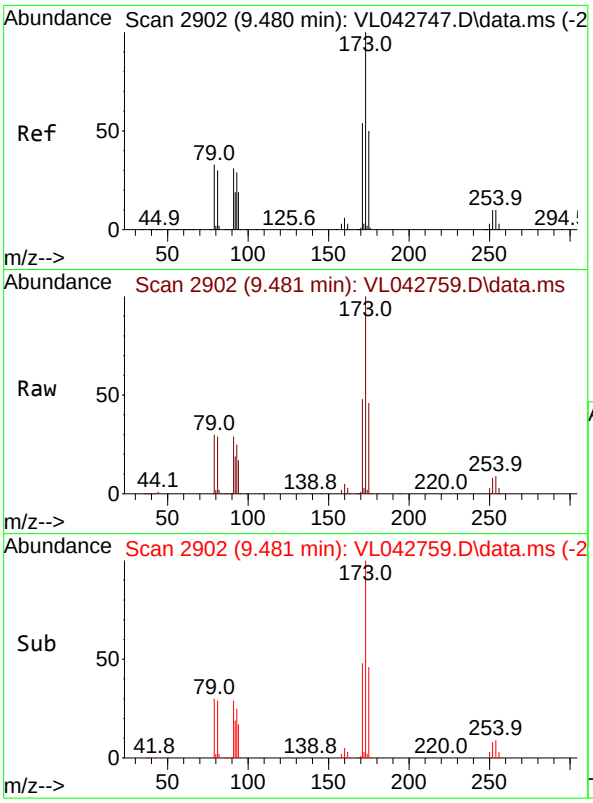


#48
Dibromochloromethane
Concen: 10.762 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:129 Resp: 261055

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.7	116.1

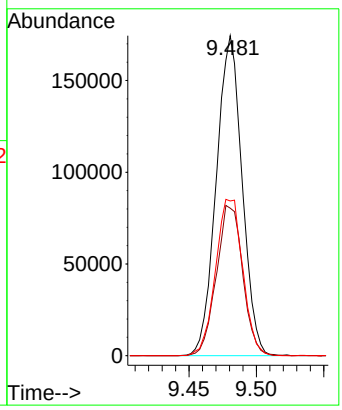




#49
Bromoform
Concen: 10.984 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:173 Resp: 23233

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.4	57.6
171	51.5	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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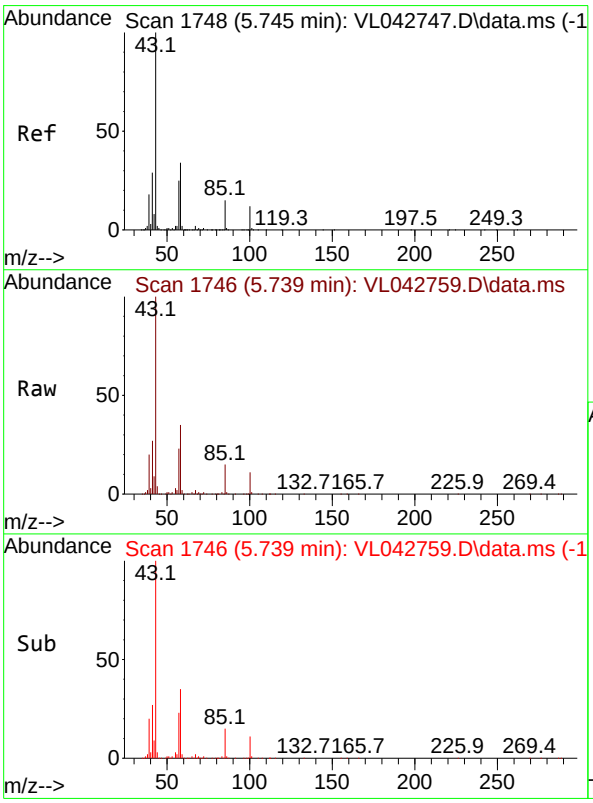
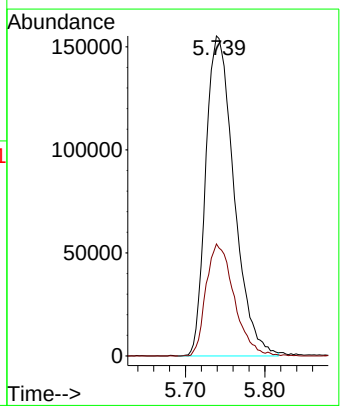
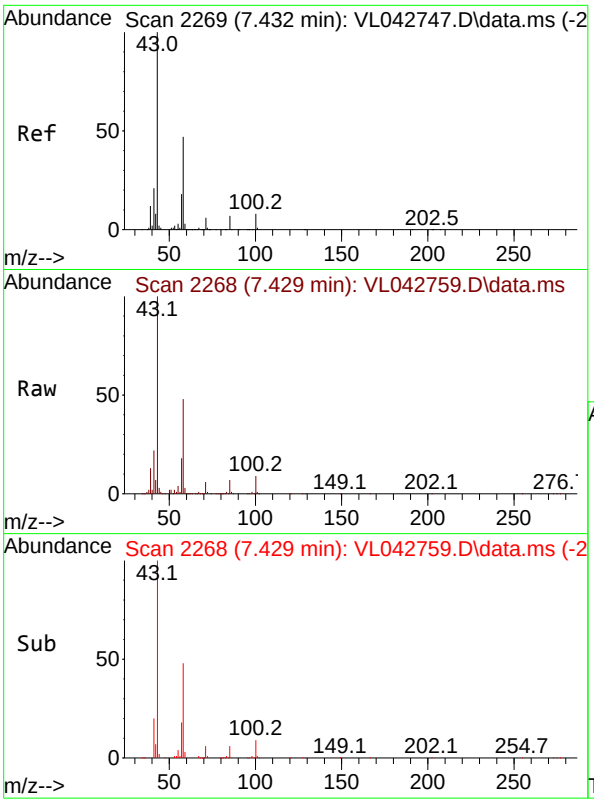


#50
4-Methyl-2-Pentanone
Concen: 10.249 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 383204

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8





#51
2-Hexanone
Concen: 11.041 ppbv
RT: 7.429 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 31193

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.0	57.0
98	0.6	0.2	0.4

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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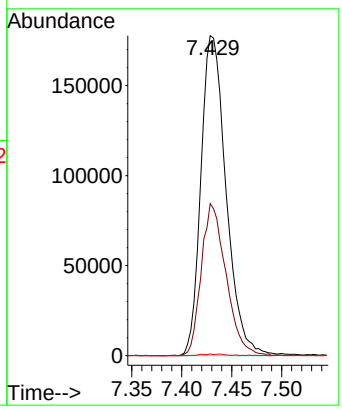
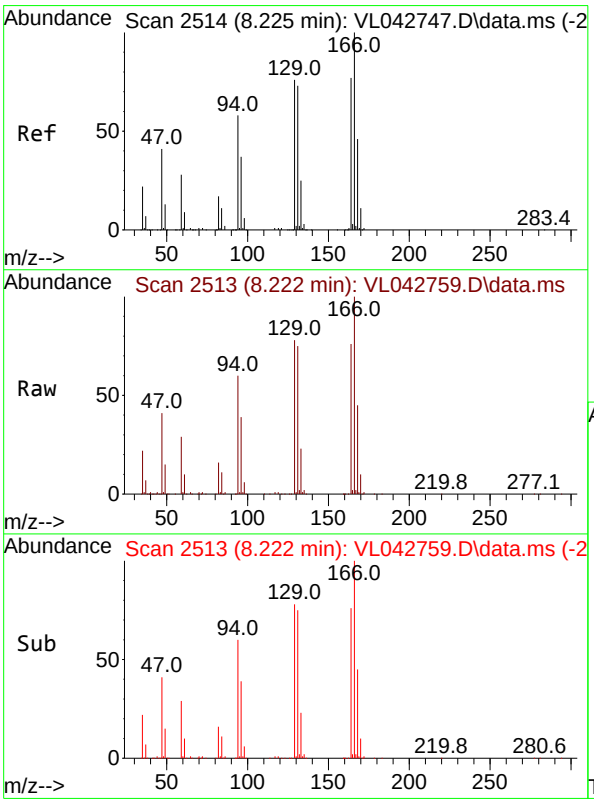
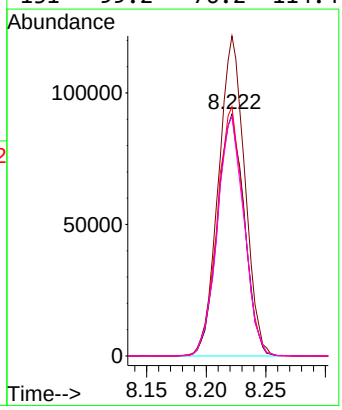


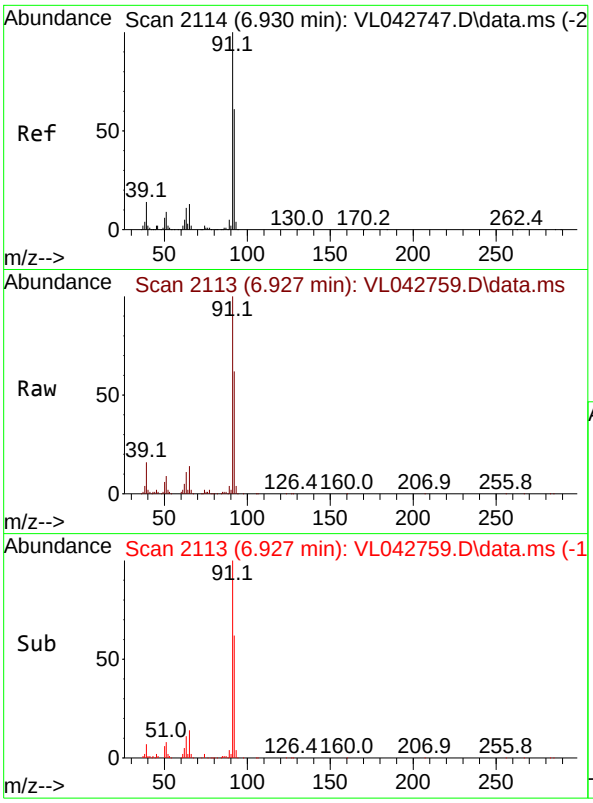


#52
Tetrachloroethene
Concen: 8.934 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:164 Resp: 143808

Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.0	156.0
129	103.1	79.2	118.8
131	99.2	76.2	114.4





#53
Toluene
Concen: 10.310 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 42991

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.0	72.0

Instrument :
MSVOA_L
ClientSampleId :
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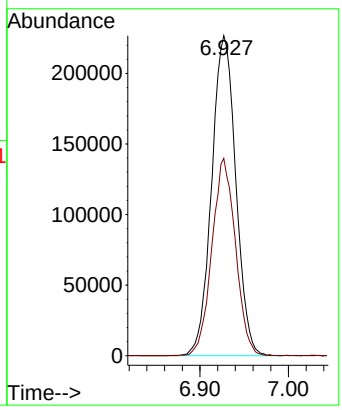
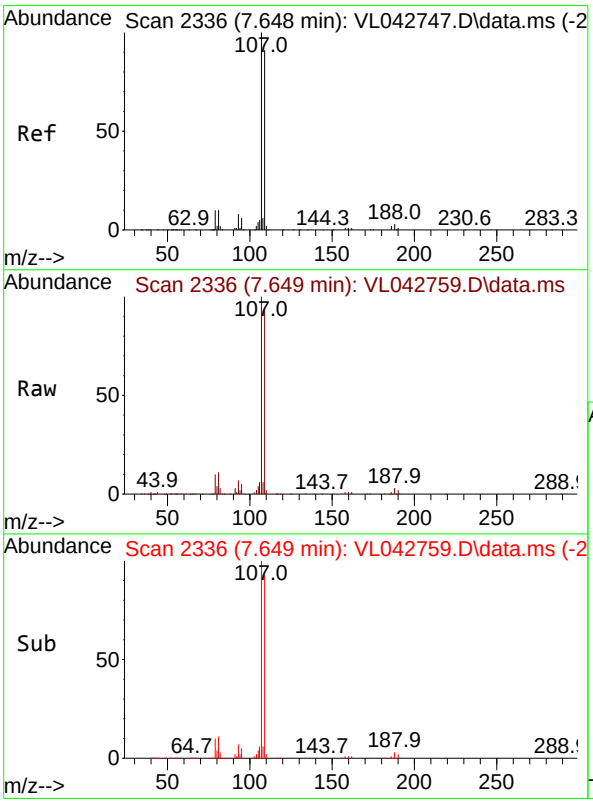
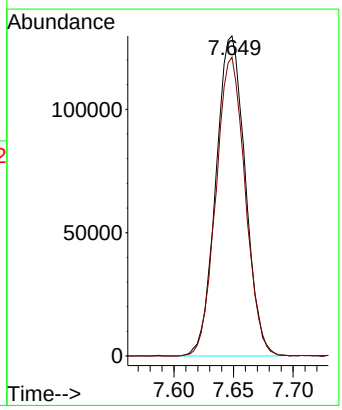


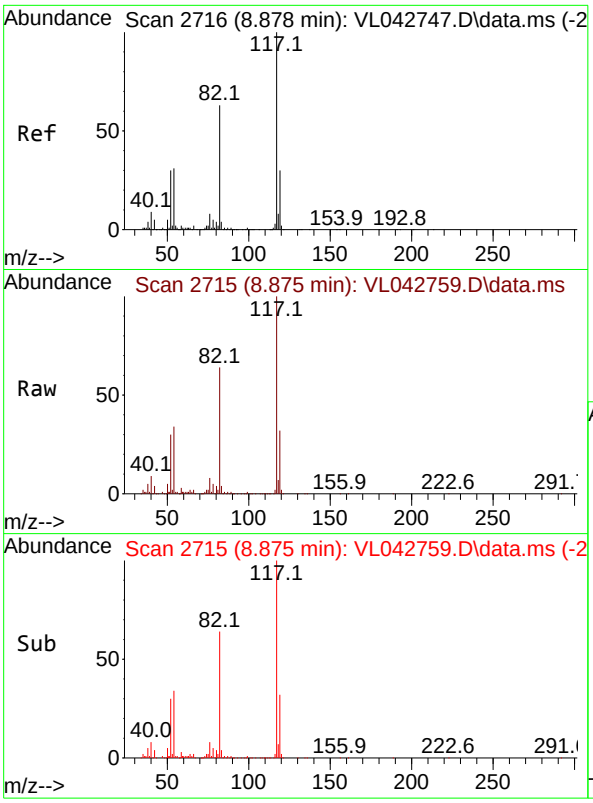


#54
1,2-Dibromoethane
Concen: 10.275 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:107 Resp: 221820

Ion	Ratio	Lower	Upper
107	100		
109	93.4	72.7	109.1

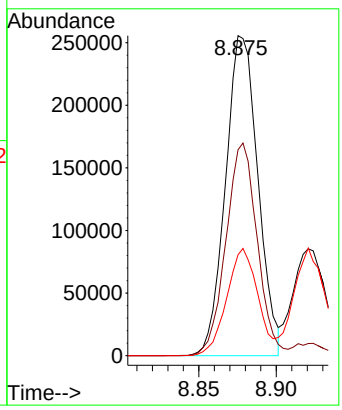




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:117 Resp: 37274

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.3	79.9
119	31.3	25.8	38.6



Instrument :
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ClientSampleId :
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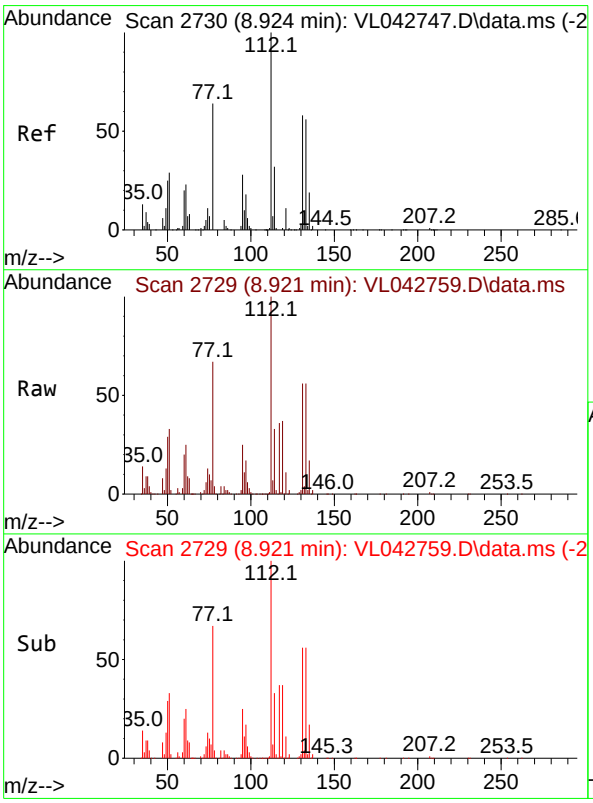
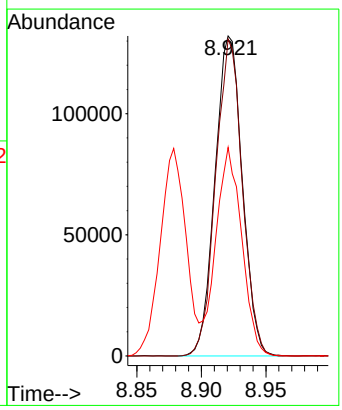
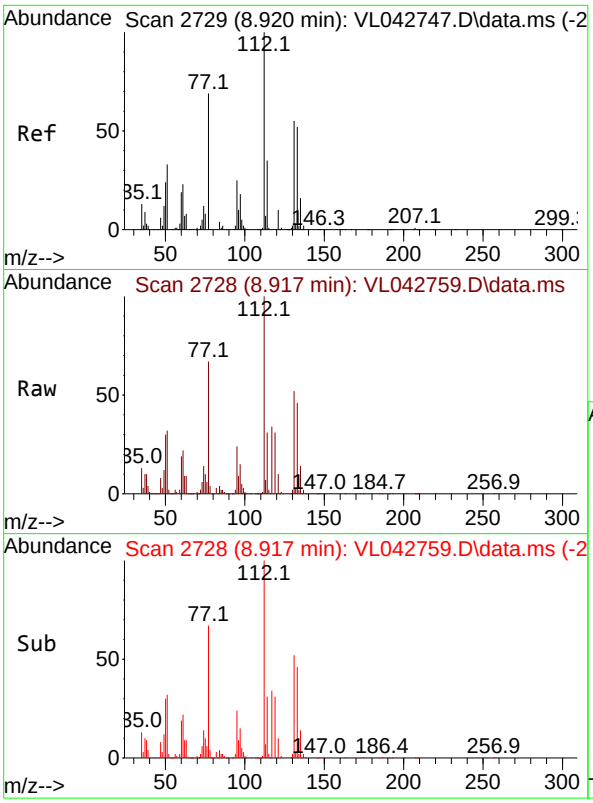


#56
1,1,1,2-Tetrachloroethane
Concen: 10.027 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:131 Resp: 194327

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.8	115.2
119	62.1	49.7	74.5

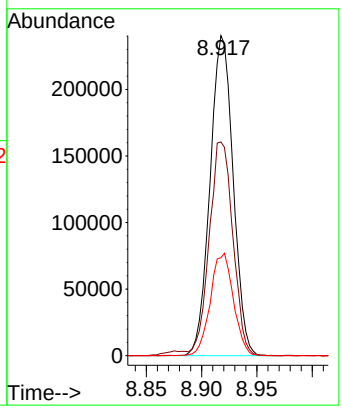




#57
Chlorobenzene
Concen: 9.673 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:112 Resp: 34893

Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.4	84.6
114	30.6	31.2	38.2



Instrument :
MSVOA_L
ClientSampleId :
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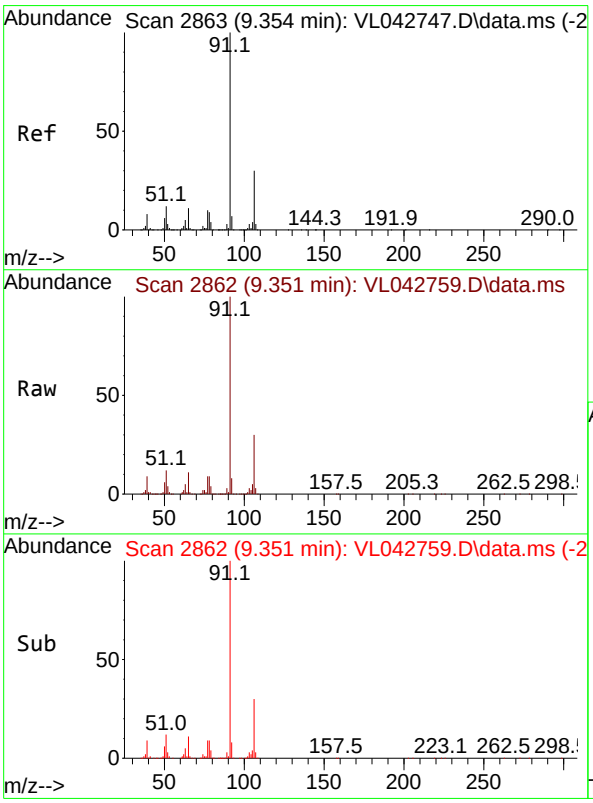
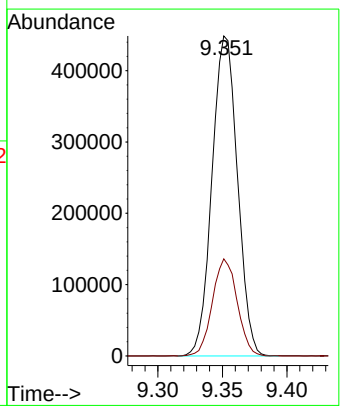
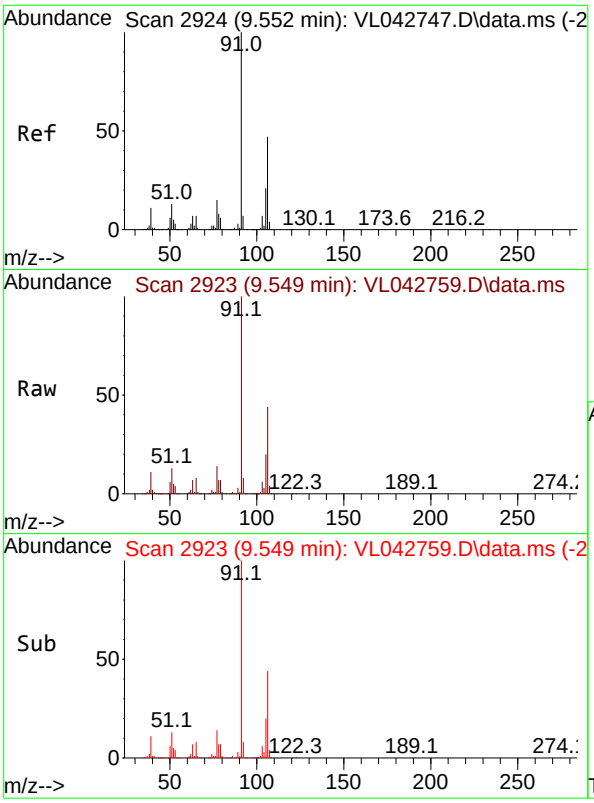


#58
Ethyl Benzene
Concen: 10.460 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 615722

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.6





#59
m/p-Xylene
Concen: 21.161 ppbv m
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 99549

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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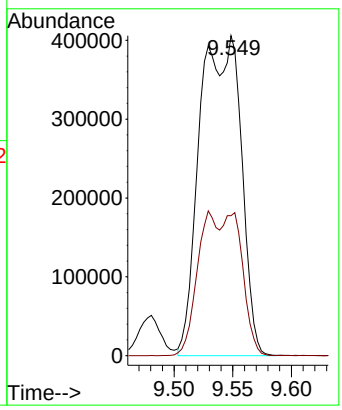
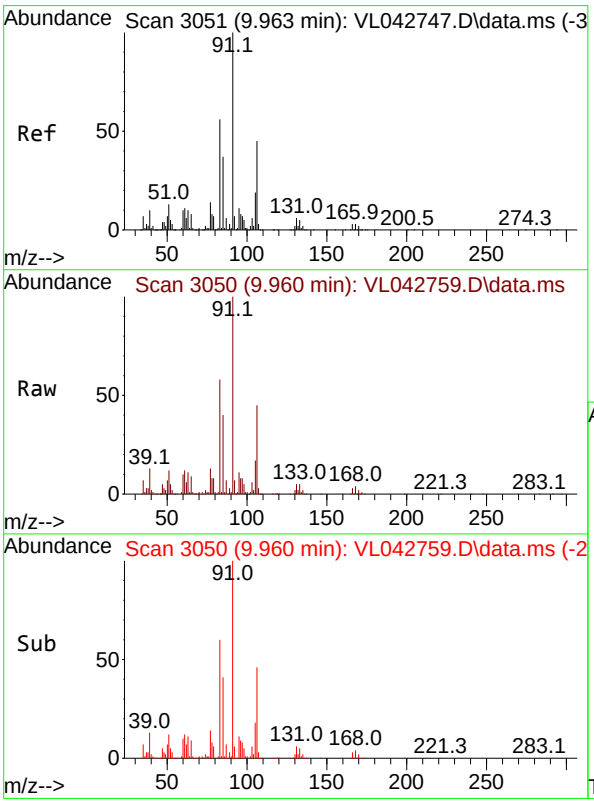
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

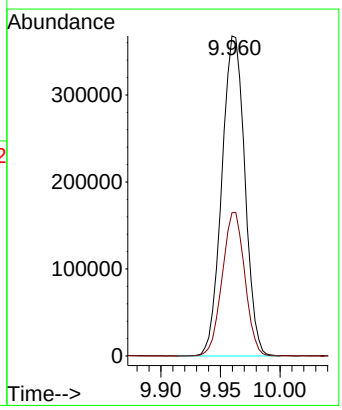


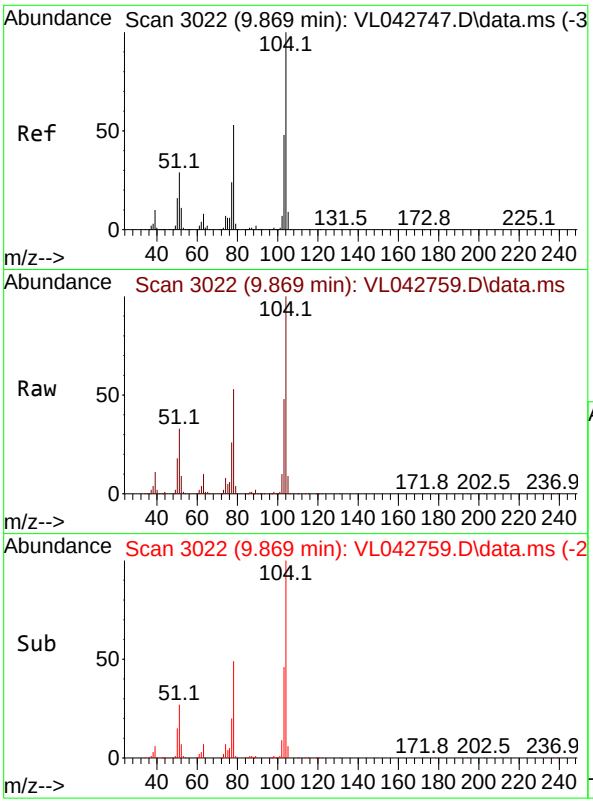


#60
o-Xylene
Concen: 10.504 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 493768

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.0	66.0

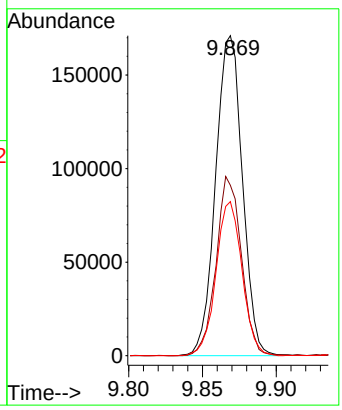




#61
Styrene
Concen: 10.938 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:104 Resp: 21628

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.5	62.3
103	46.9	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
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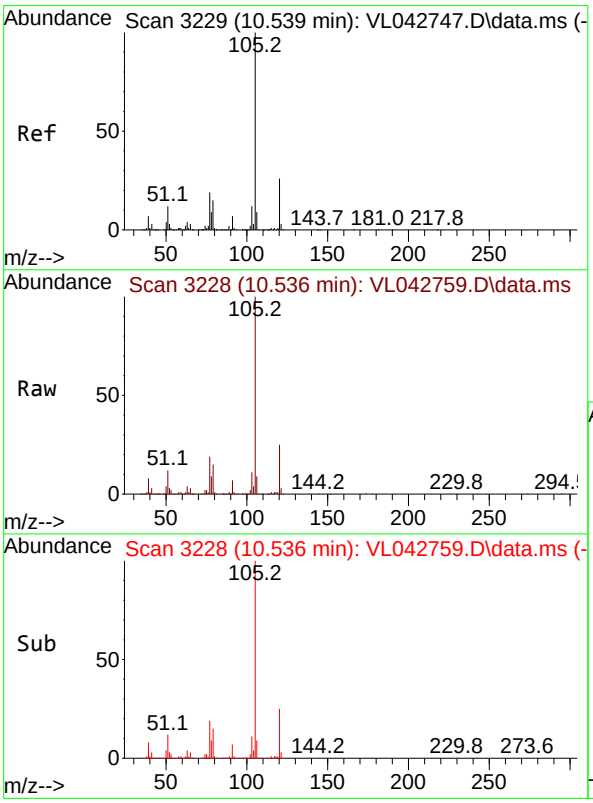
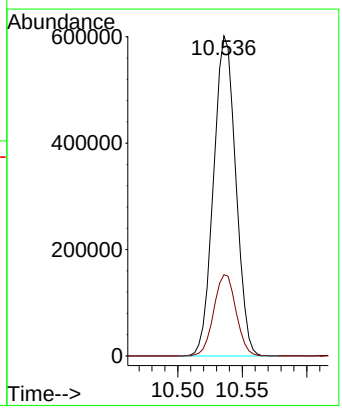
Supervised By :Mahesh Dadoda 07/25/2025

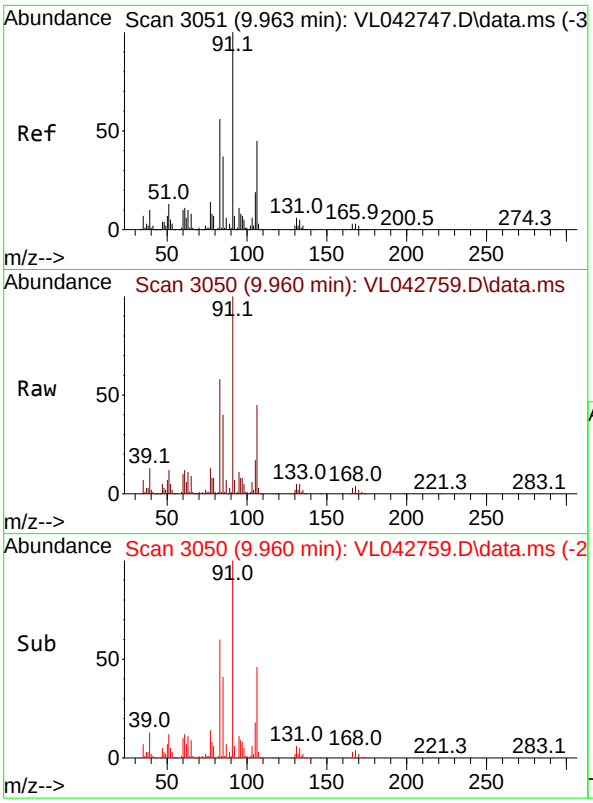


#62
Isopropylbenzene
Concen: 10.365 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 718669

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7

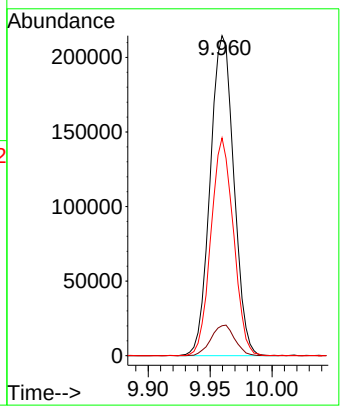




#63
1,1,2,2-Tetrachloroethane
Concen: 9.462 ppbv
RT: 9.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 83 Resp: 28554

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	15.0
85	64.8	32.6	97.7



Instrument :
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ClientSampleId :
VL0724ABS01

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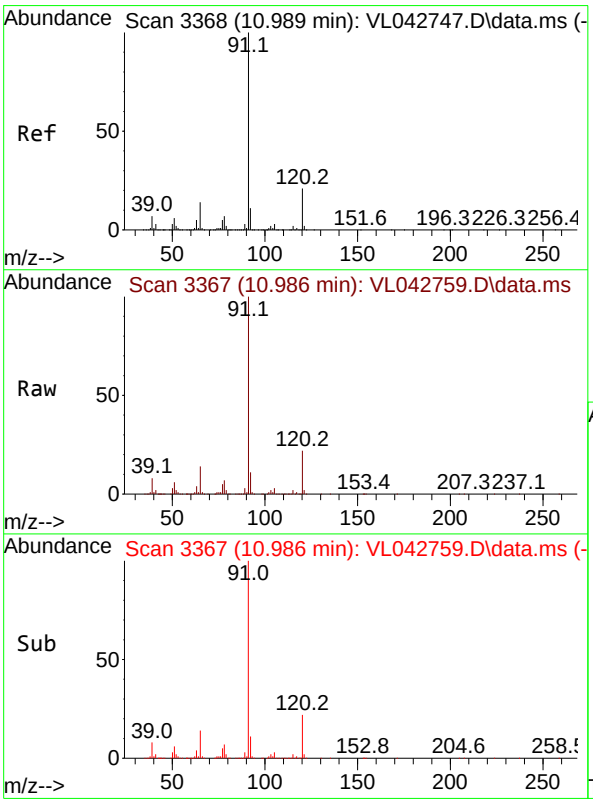
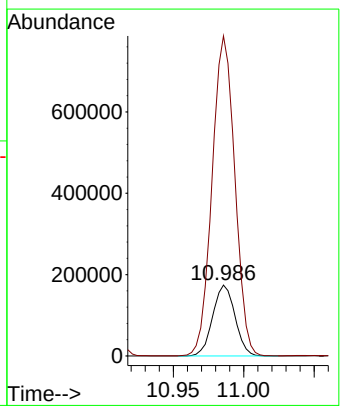
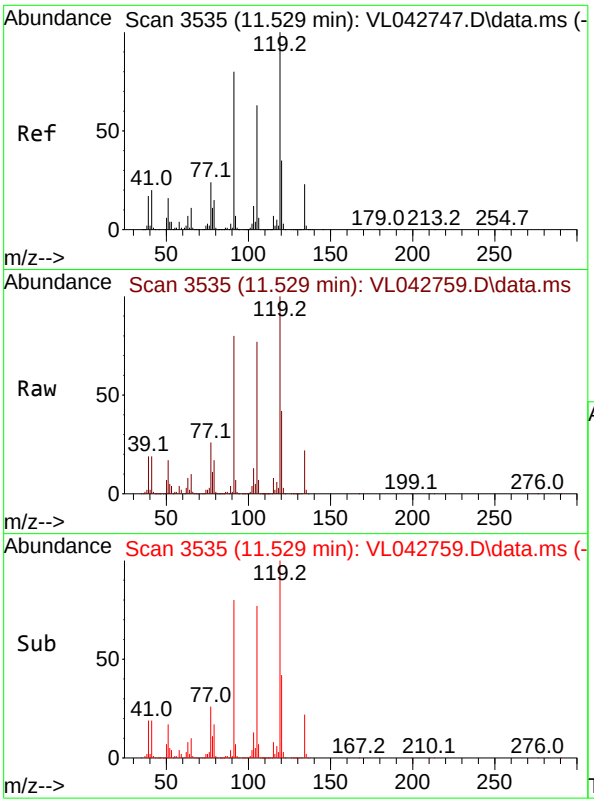


#64
n-propylbenzene
Concen: 10.641 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:120 Resp: 192364

Ion	Ratio	Lower	Upper
120	100		
91	460.8	372.7	559.1

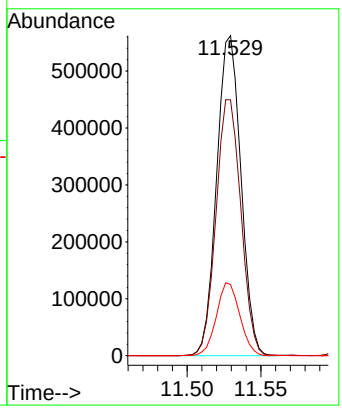




#65
tert-Butylbenzene
Concen: 10.458 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:119 Resp: 64413

Ion	Ratio	Lower	Upper
119	100		
91	82.1	64.0	96.0
134	22.0	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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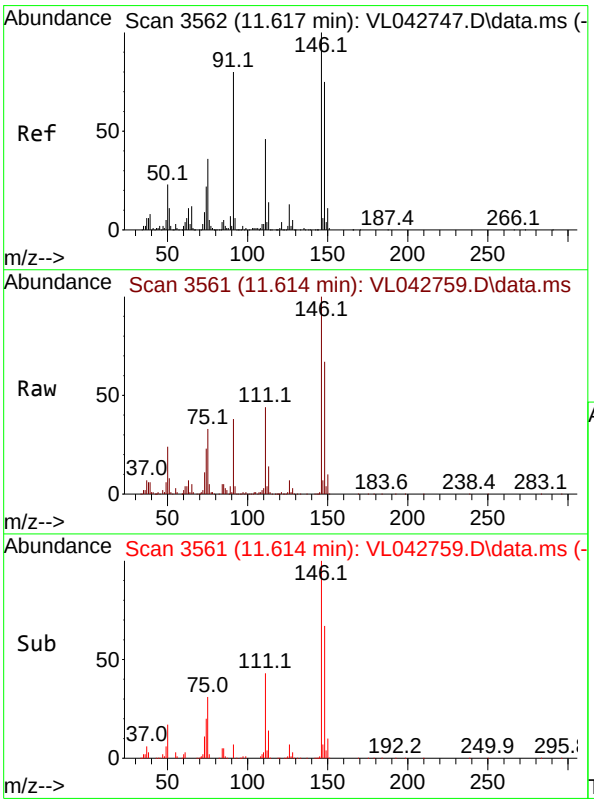
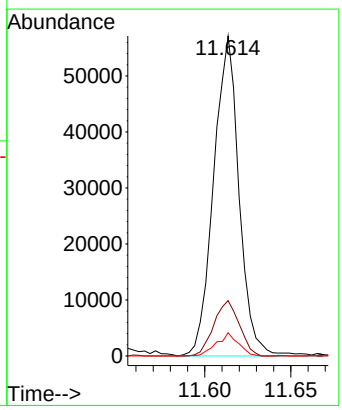
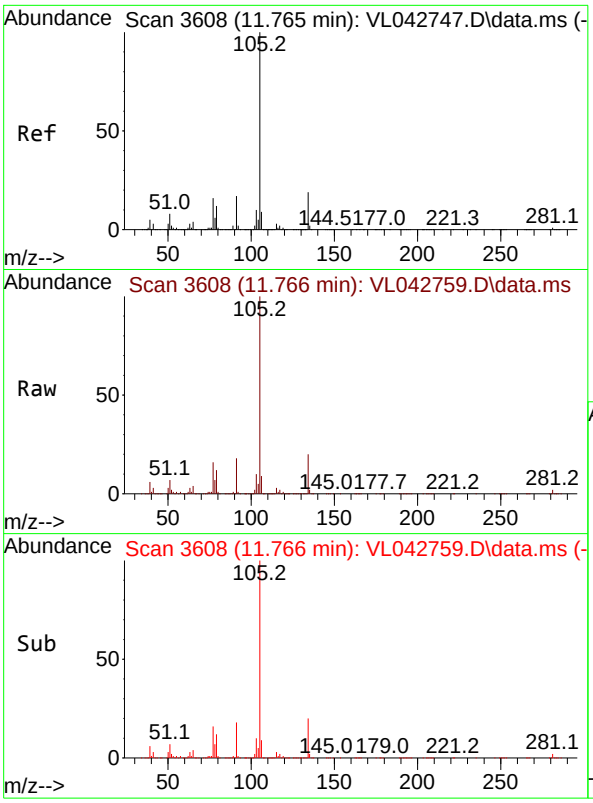


#66
Benzyl Chloride
Concen: 11.562 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 58462

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.4	21.6
128	6.3	5.2	7.8

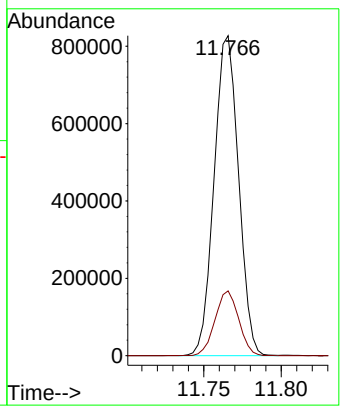




#67
sec-Butylbenzene
Concen: 10.335 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 90532

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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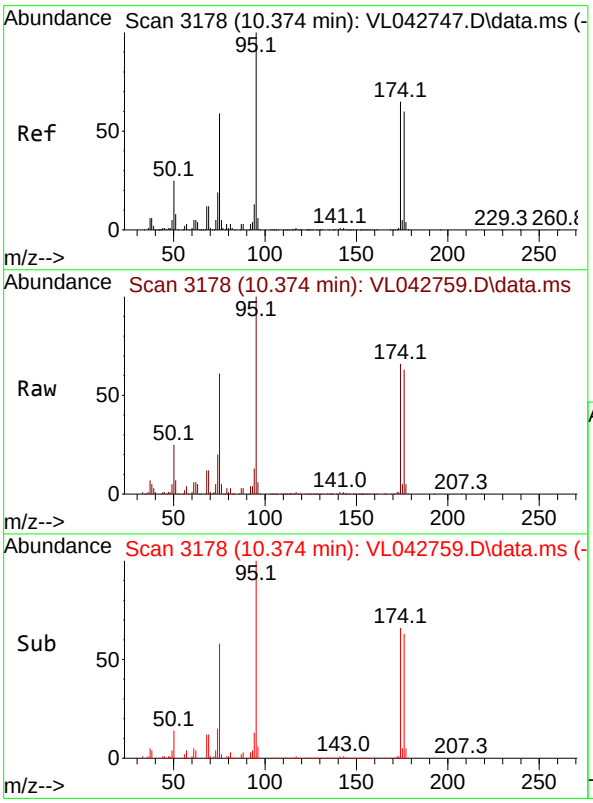
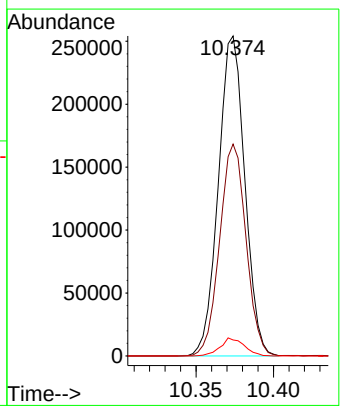
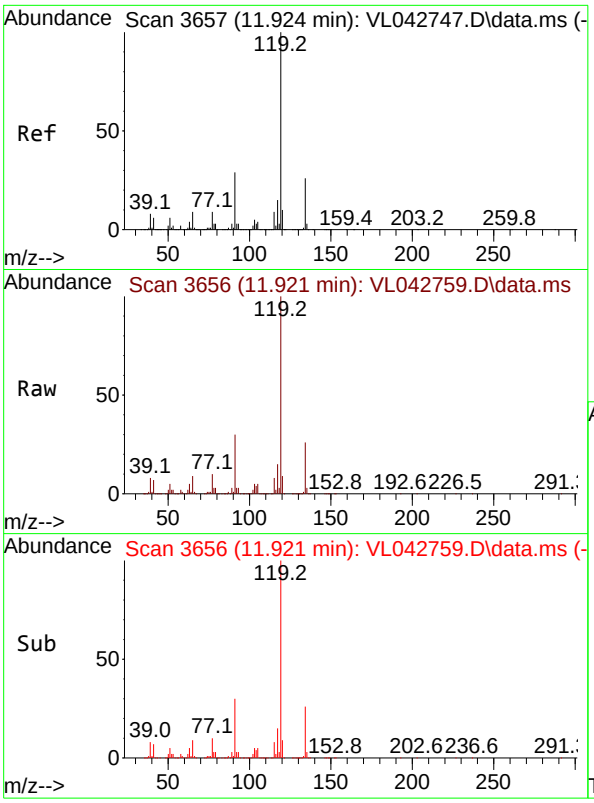


#68
1-Bromo-4-Fluorobenzene
Concen: 10.226 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 95 Resp: 301860

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.8	80.6
175	5.1	4.0	6.0

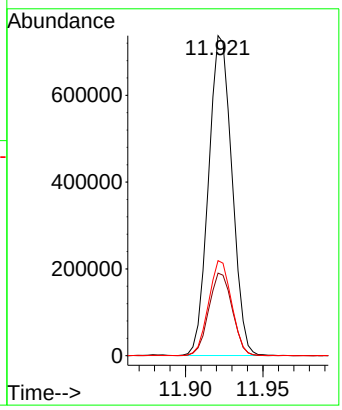




#69
p-Isopropyltoluene
Concen: 10.839 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:119 Resp: 774218

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	29.3	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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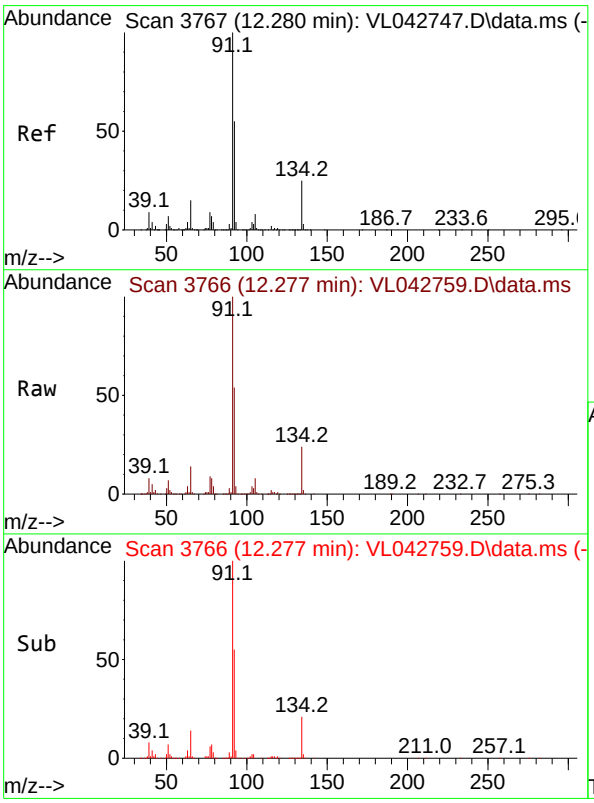
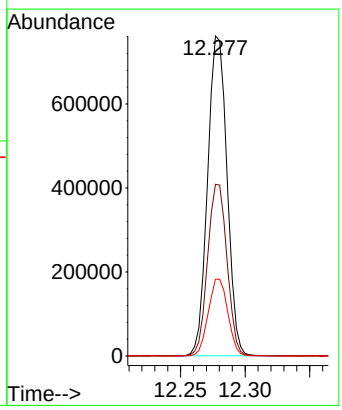
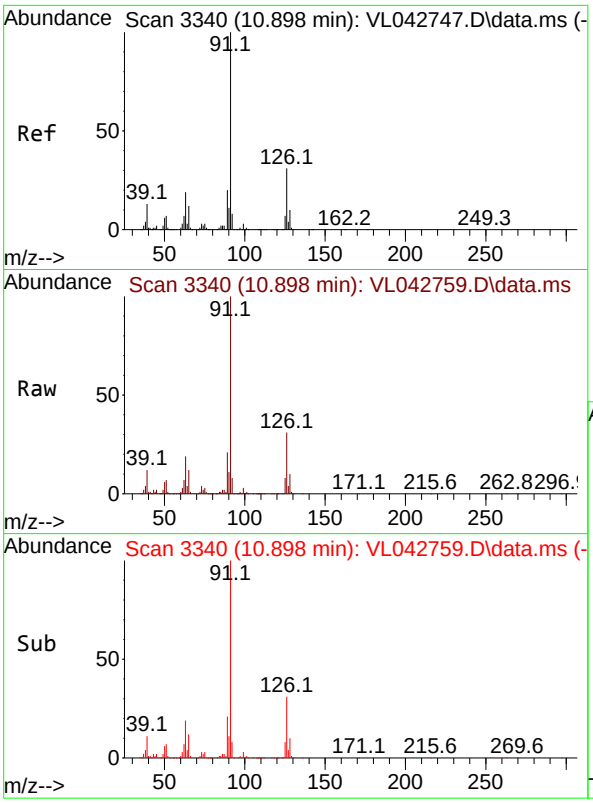


#70
n-Butylbenzene
Concen: 11.537 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 795999

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	24.3	19.6	29.4

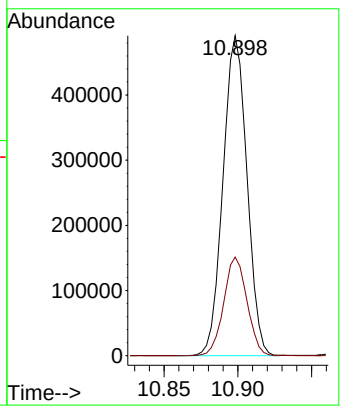




#71
2-Chlorotoluene
Concen: 10.432 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 55464

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	48.2



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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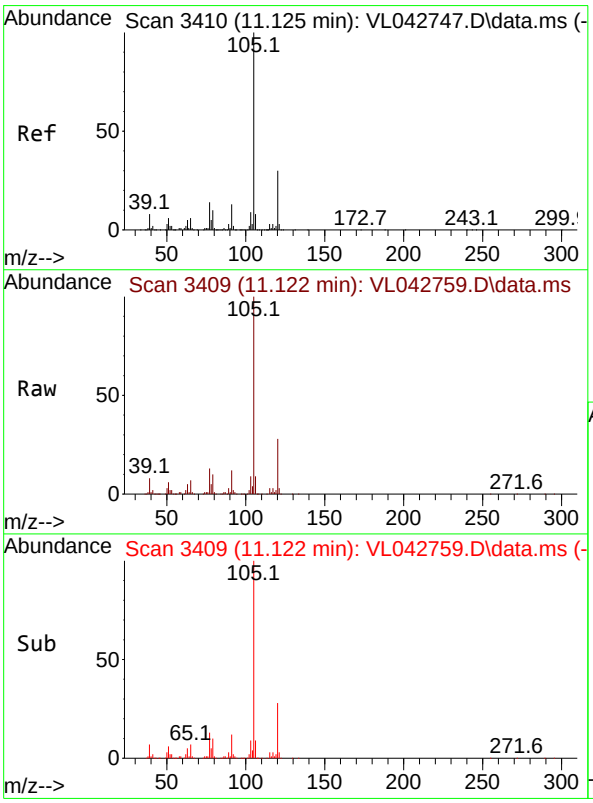
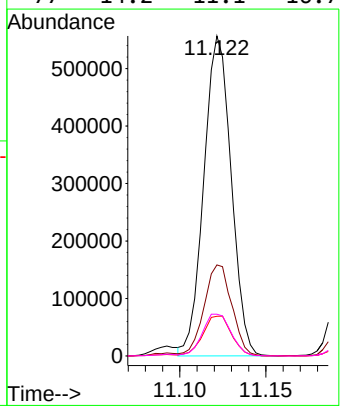
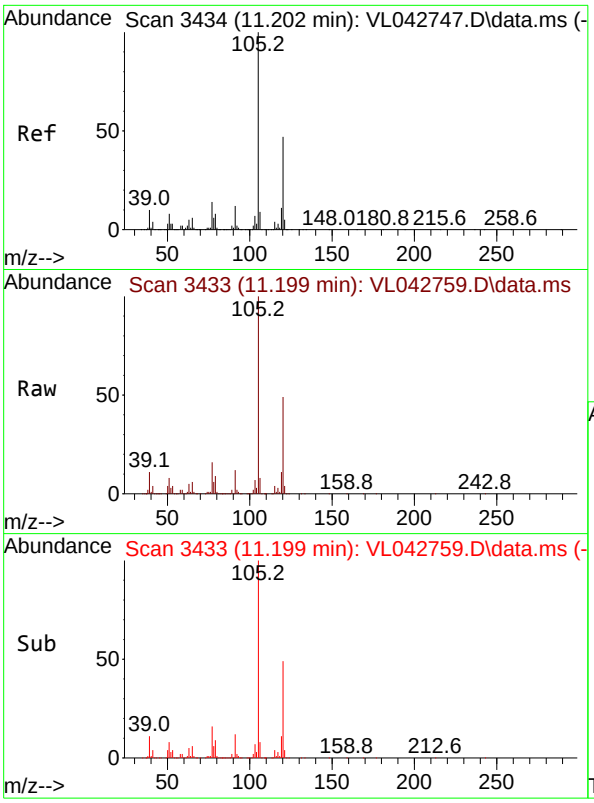


#72
4-Ethyltoluene
Concen: 10.975 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 616153

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.4	36.6
91	13.4	10.6	15.8
77	14.2	11.1	16.7

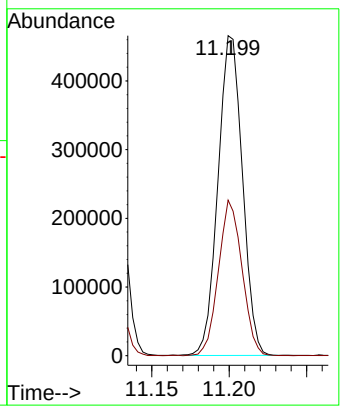




#73
1,3,5-Trimethylbenzene
Concen: 11.062 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 51132

Ion	Ratio	Lower	Upper
105	100		
120	48.6	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
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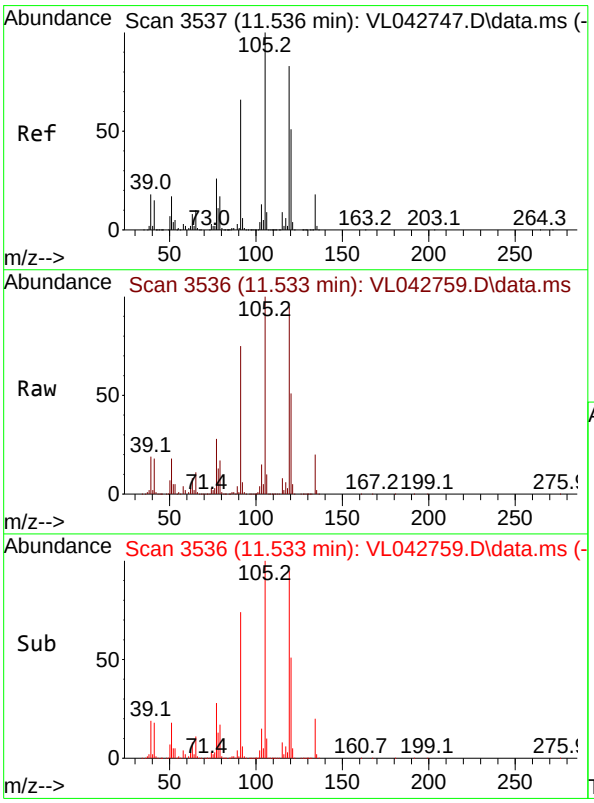
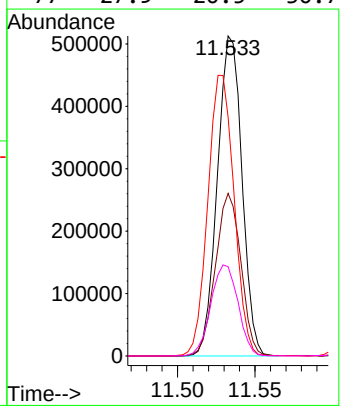
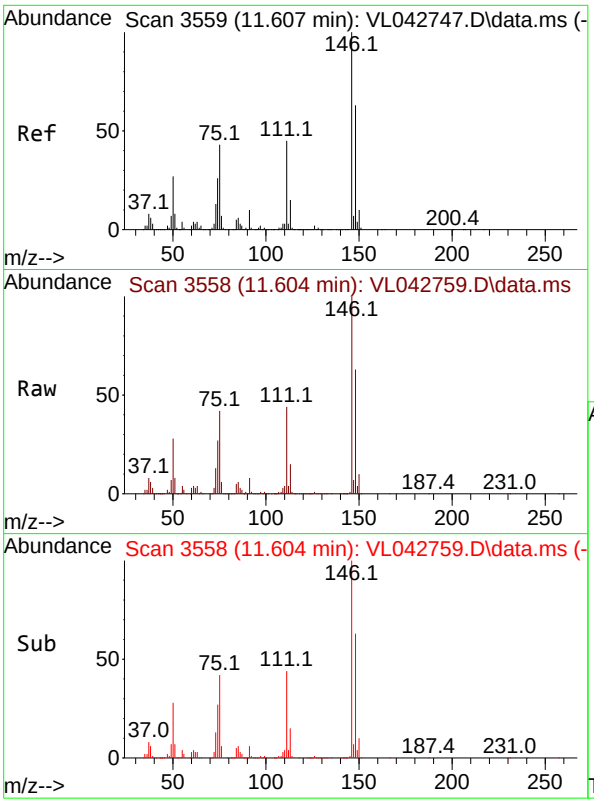


#74
1,2,4-Trimethylbenzene
Concen: 11.247 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 567154

Ion	Ratio	Lower	Upper
105	100		
120	50.8	40.8	61.2
91	74.4	53.0	79.4
77	27.9	20.5	30.7

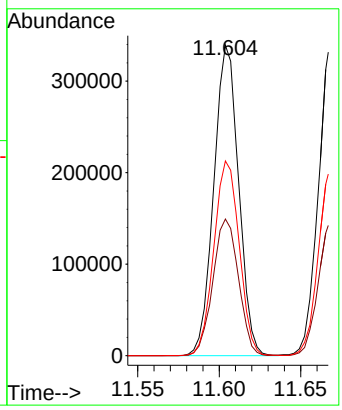




#75
1,3-Dichlorobenzene
Concen: 10.158 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:146 Resp: 35912

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.7	68.0
148	64.2	31.9	95.5



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

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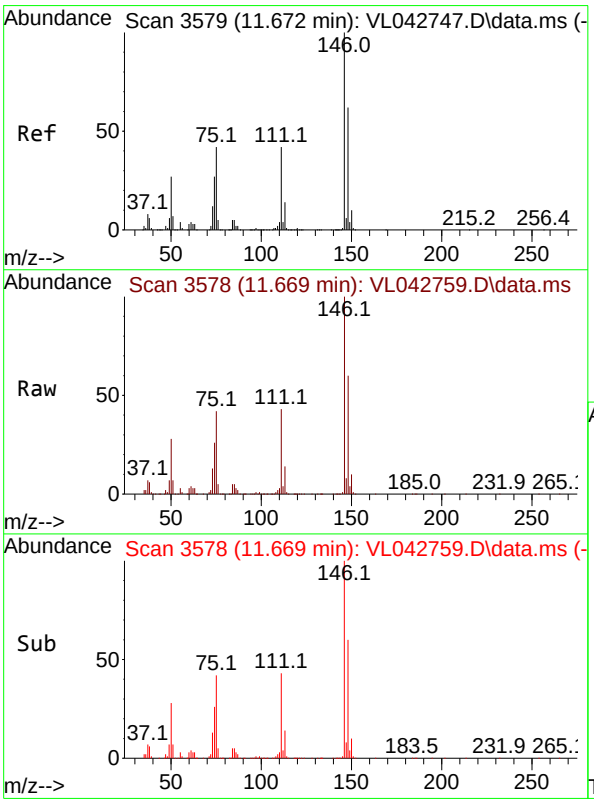
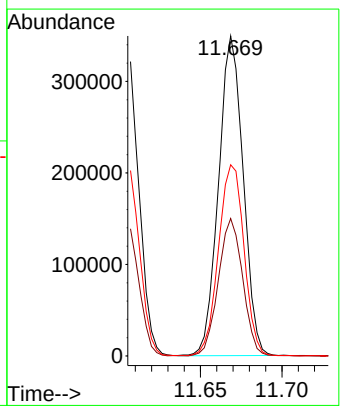
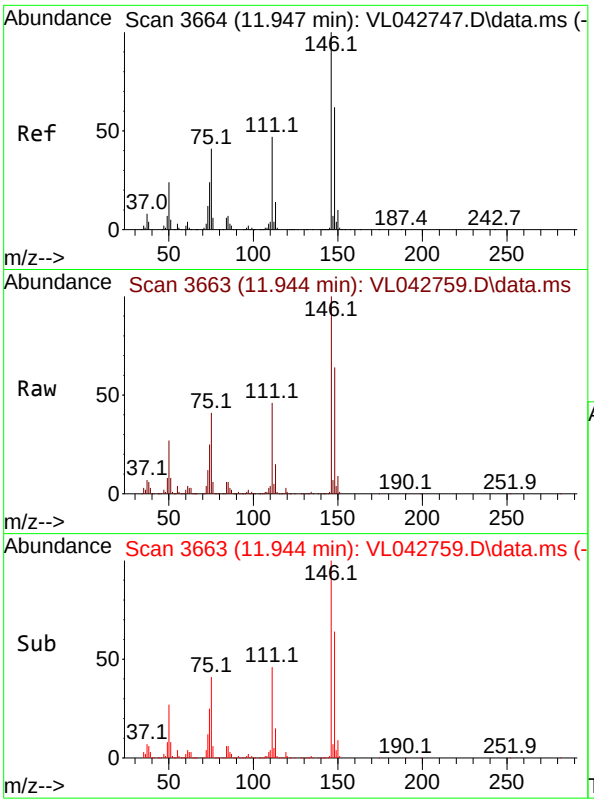


#76
1,4-Dichlorobenzene
Concen: 10.593 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:146 Resp: 366455

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.2
148	62.2	32.1	96.3

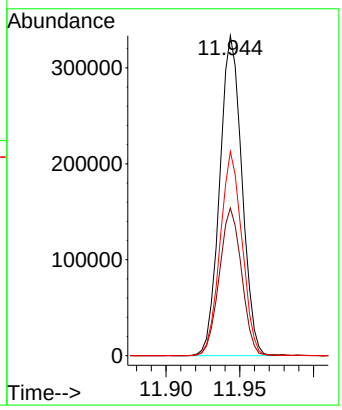




#77
1,2-Dichlorobenzene
Concen: 10.069 ppbv
RT: 11.944 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:146 Resp: 34984

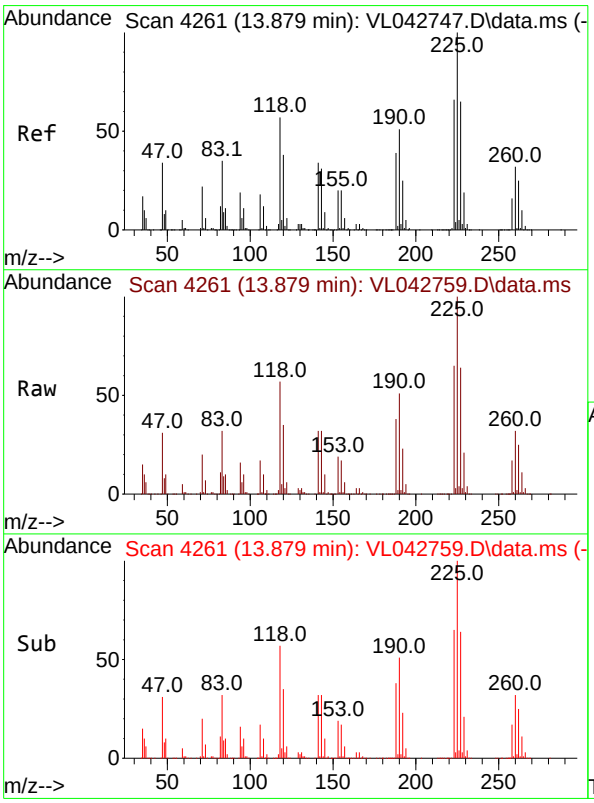
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.7	71.1
148	63.1	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations
APPROVED

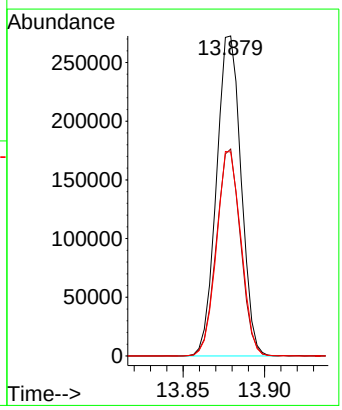
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

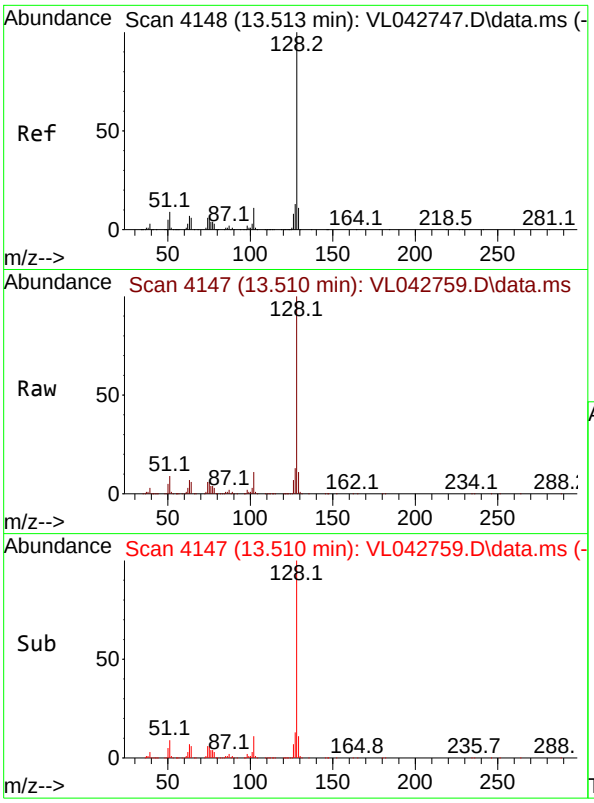


#78
Hexachloro-1,3-Butadiene
Concen: 9.105 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:225 Resp: 286338

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.7	76.1
227	63.4	50.5	75.7

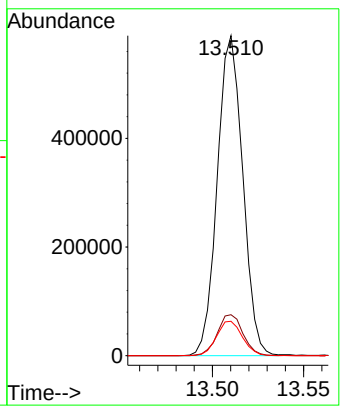




#79
Naphthalene
Concen: 10.428 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:128 Resp: 57167

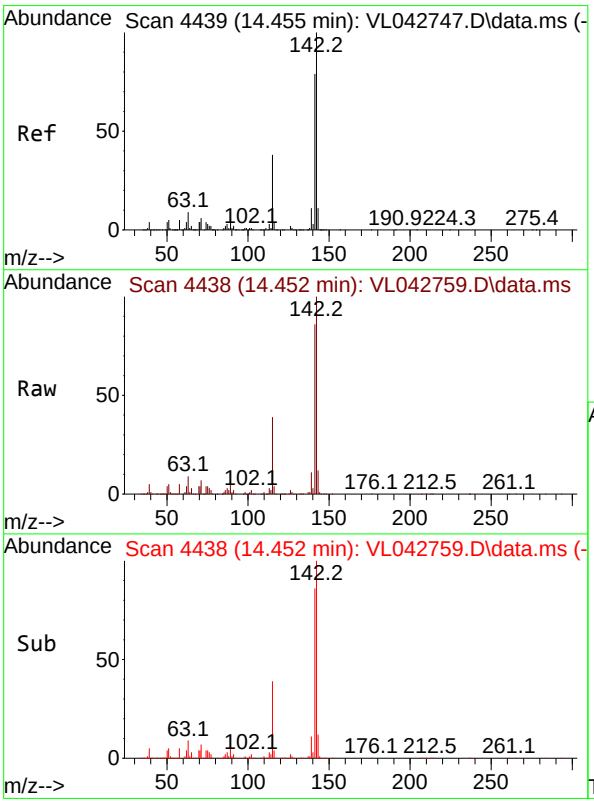
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations
APPROVED

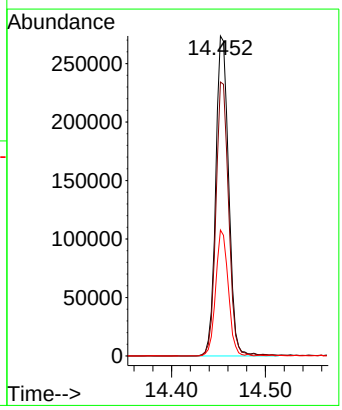
Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

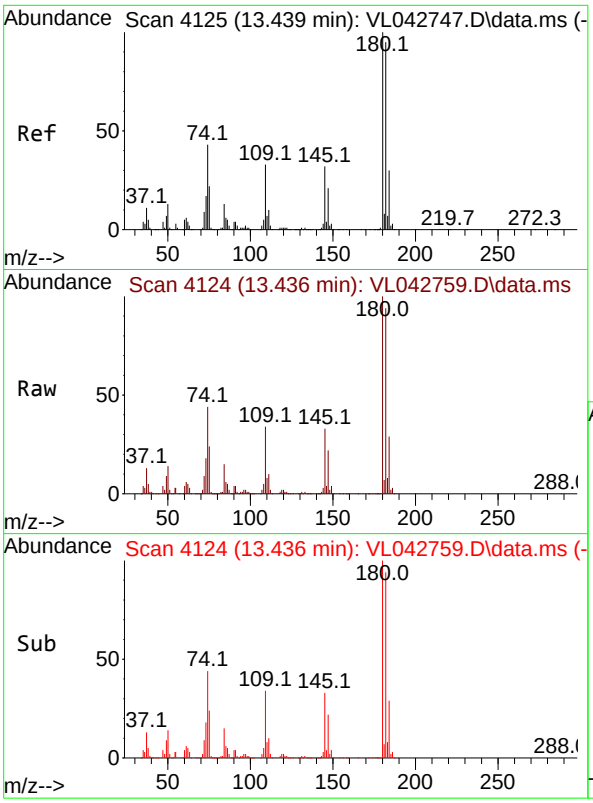


#80
Naphthalene,2-methyl-
Concen: 9.625 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:142 Resp: 262069

Ion	Ratio	Lower	Upper
142	100		
141	84.8	65.8	98.8
115	38.7	31.2	46.8

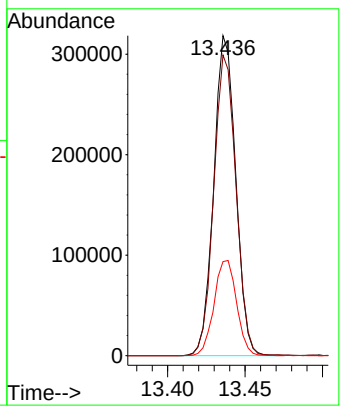




#81
1,2,4-Trichlorobenzene
Concen: 10.192 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:180 Resp: 31368

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
184	30.7	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

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:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	118-AAIDUP	SDG No.:	Q2671
Lab Sample ID:	Q2671-01DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042765.D	1		07/24/25 15:05	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.40	1.98	J	0.54	2.47	ug/m3
74-87-3	Chloromethane	0.41	0.85	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.20	1.12	J	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	0.17	0.70	U	0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	4.50	10.7		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.38	1.12	J	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.080	0.50		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.13	0.42	J	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.22	0.83	J	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	118-AAIDUP	SDG No.:	Q2671
Lab Sample ID:	Q2671-01DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042765.D	1		07/24/25 15:05	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	7.70	27.1		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.3			70 (65) - 130 (135)	103%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	152000		2.787			
540-36-3	1,4-Difluorobenzene	407000		3.959			
3114-55-4	Chlorobenzene-d5	362000		8.882			

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	118-AAIDUP	SDG No.:	Q2671
Lab Sample ID:	Q2671-01DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042765.D	1		07/24/25 15:05	VL072425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

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\VL072425\
Data File : VL042765.D
Acq On : 24 Jul 2025 15:05
Operator : SY/MD
Sample : Q2671-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:27:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	152008	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	406880	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	361575	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	293717	10.257	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	8073m	0.402	ppbv		
3) Chlorodifluoromethane	1.473	51	6161m	0.235	ppbv		
4) Chloromethane	1.528	50	3365	0.414	ppbv		95
9) Propene	1.483	41	2154	0.226	ppbv		100
10) Heptane	4.972	43	3333m	0.130	ppbv		
11) Trichlorofluoromethane	1.878	101	4077m	0.197	ppbv		
13) Ethanol	1.722	45	15626	21.402	ppbv	#	31
15) Acetone	1.836	43	94769	4.515	ppbv		99
19) Isopropyl Alcohol	1.888	45	8018m	0.719	ppbv		
26) Hexane	2.826	57	157154	7.711	ppbv	#	41
34) 2-Butanone	2.564	43	10963	0.380	ppbv		95
35) Carbon Tetrachloride	3.752	117	2382m	0.079	ppbv		
36) Benzene	3.651	78	5099m	0.132	ppbv		
53) Toluene	6.933	91	9247m	0.223	ppbv		
59) m/p-Xylene	9.539	91	6680m	0.146	ppbv		
74) 1,2,4-Trimethylbenzene	11.539	105	8363	0.171	ppbv	#	59

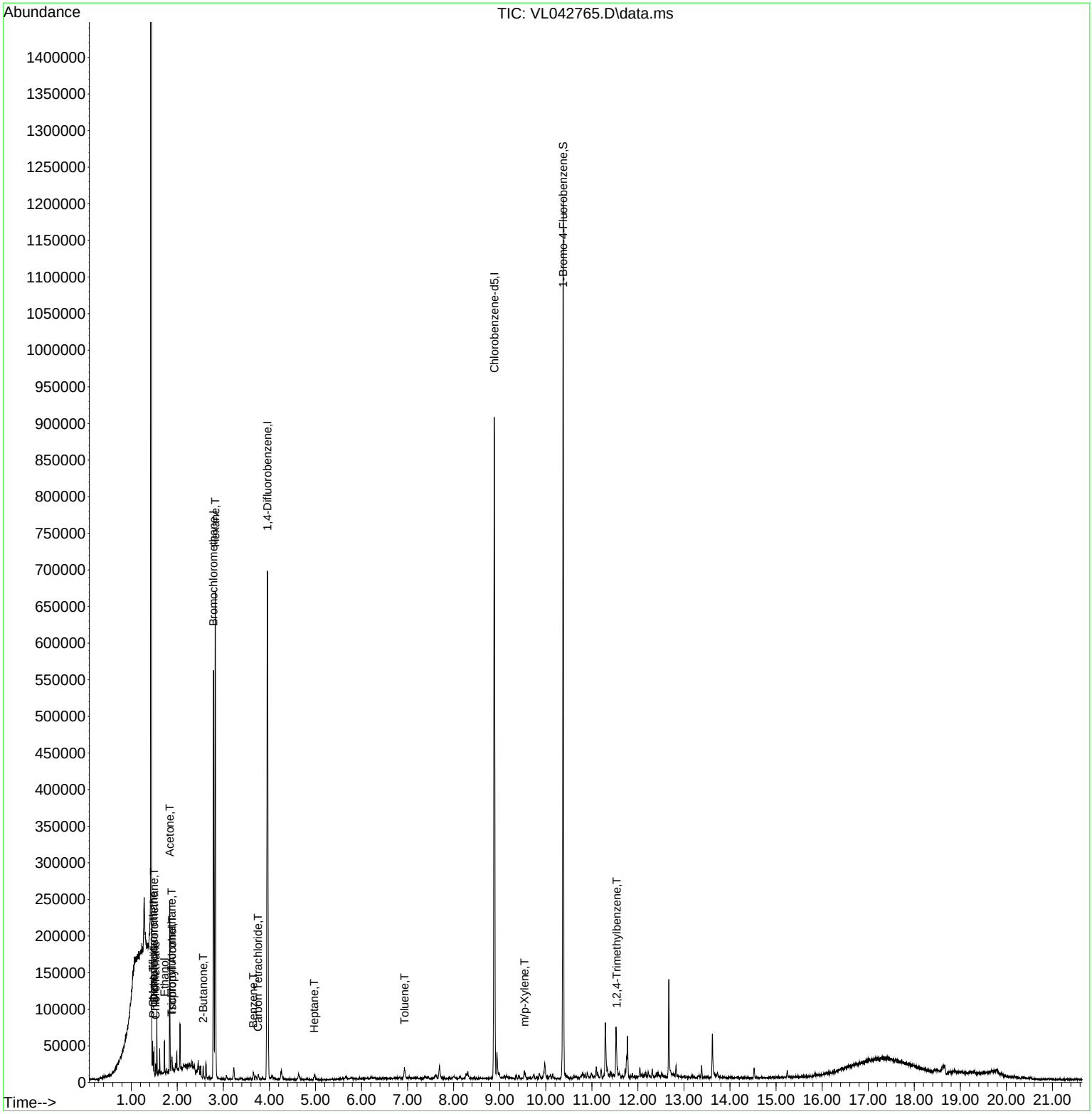
(#) = qualifier out of range (m) = manual integration (+) = signals summed

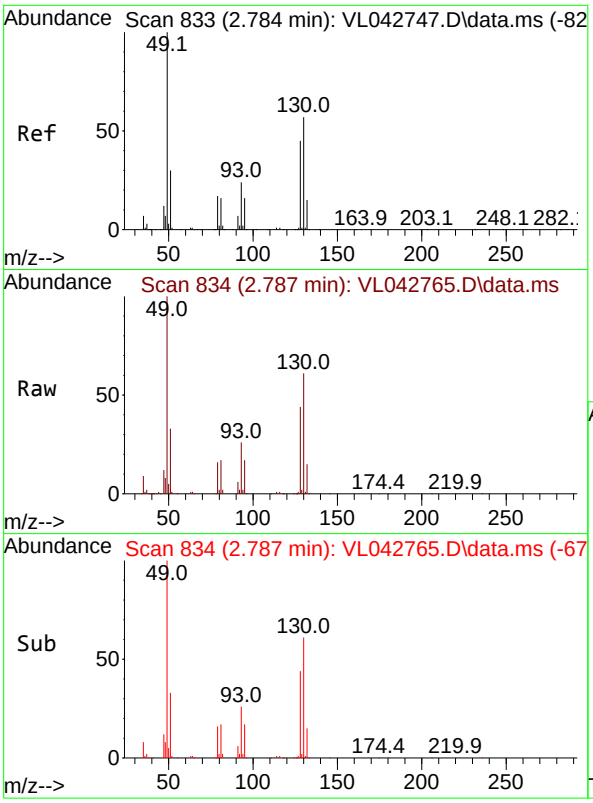
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042765.D
Acq On : 24 Jul 2025 15:05
Operator : SY/MD
Sample : Q2671-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 25 01:27:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

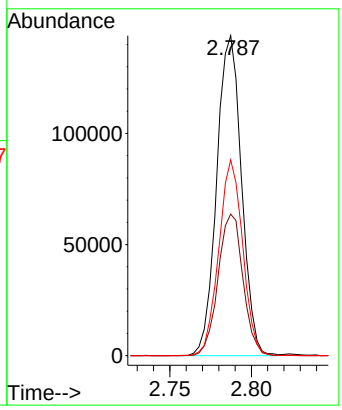




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 49 Resp: 15200

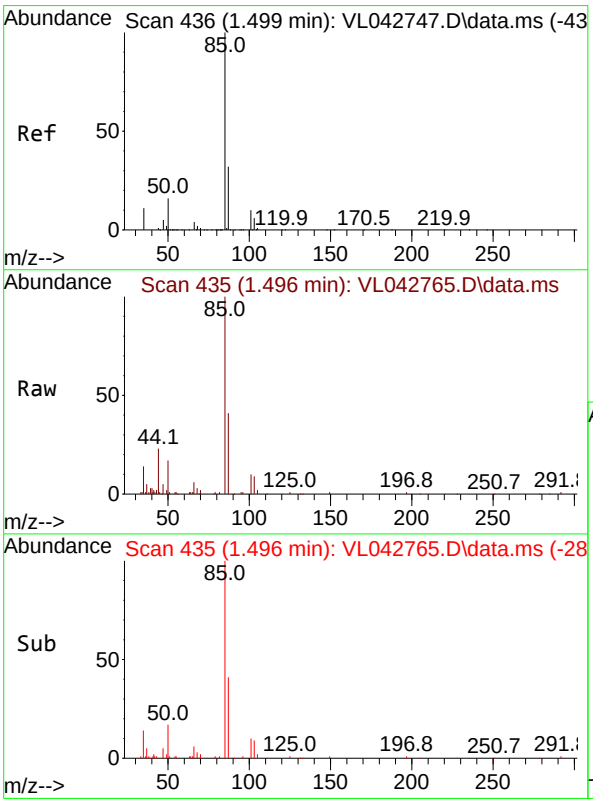
Ion	Ratio	Lower	Upper
49	100		
128	44.6	23.6	71.0
130	59.1	30.3	90.8



Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Manual Integrations
APPROVED

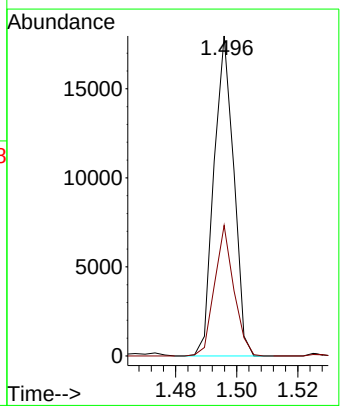
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

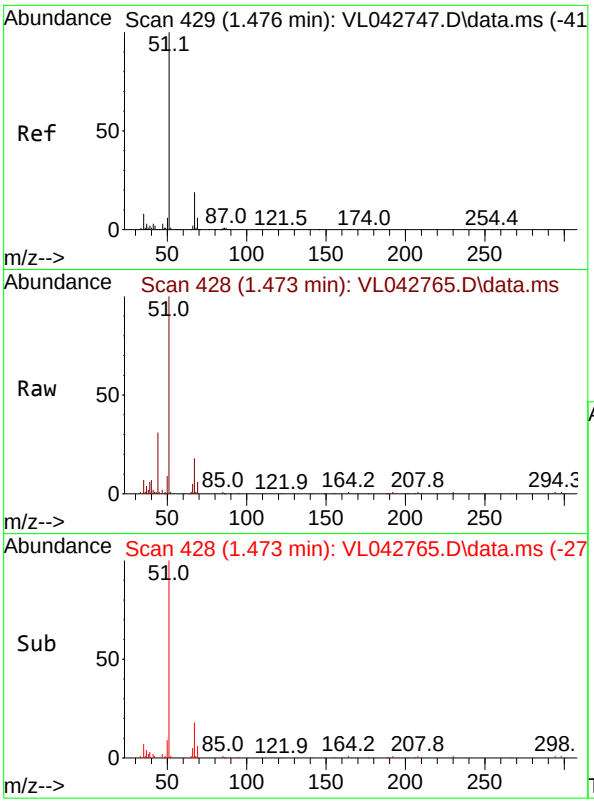


#2
Dichlorodifluoromethane
Concen: 0.402 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 85 Resp: 8073

Ion	Ratio	Lower	Upper
85	100		
87	40.8	25.4	38.2#

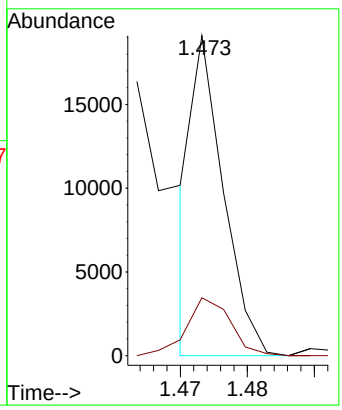




#3
Chlorodifluoromethane
Concen: 0.235 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 51 Resp: 616

Ion	Ratio	Lower	Upper
51	100		
67	2.2	15.0	22.6#



Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Manual Integrations
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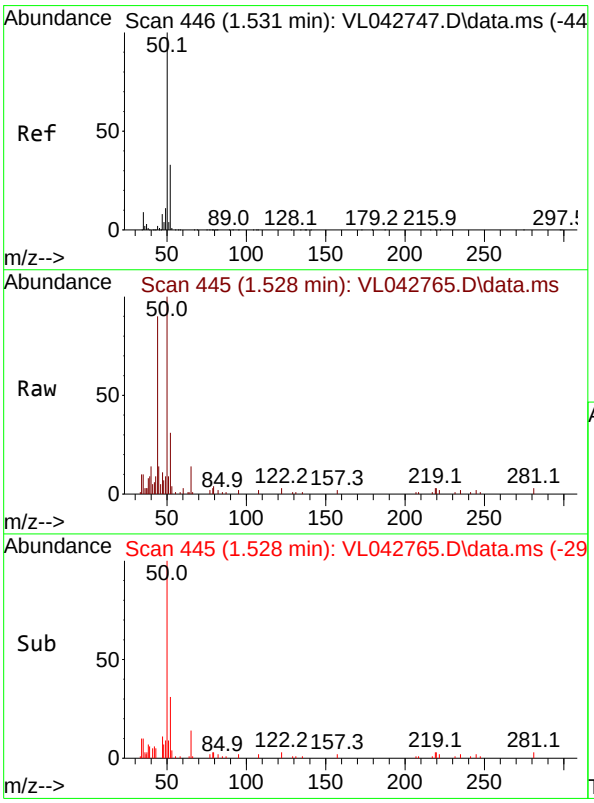
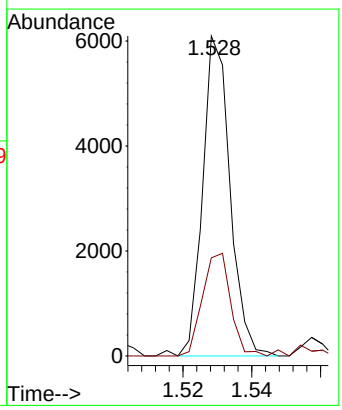
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025

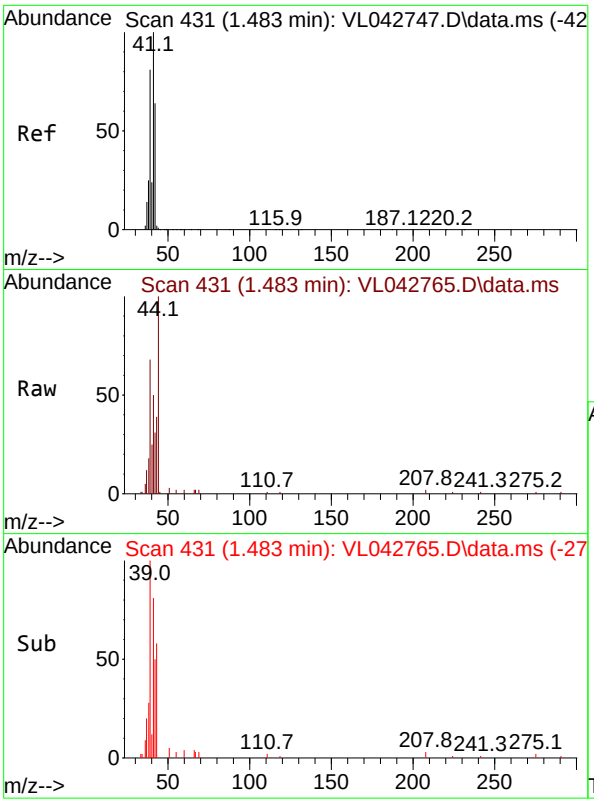


#4
Chloromethane
Concen: 0.414 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 50 Resp: 3365

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.6	40.0

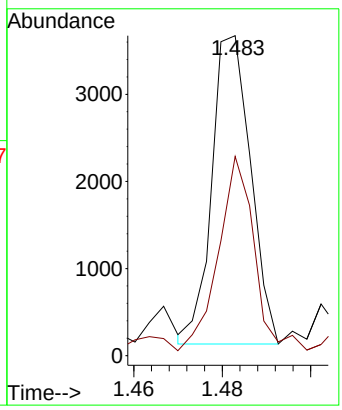




#9
Propene
Concen: 0.226 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 41 Resp: 215

Ion	Ratio	Lower	Upper
41	100		
42	66.6	53.2	79.8



Instrument :
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ClientSampleId :
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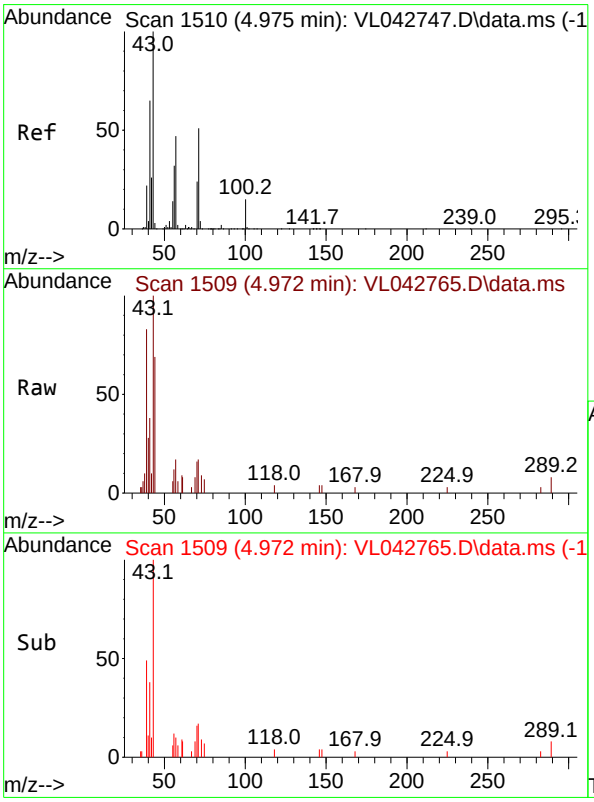
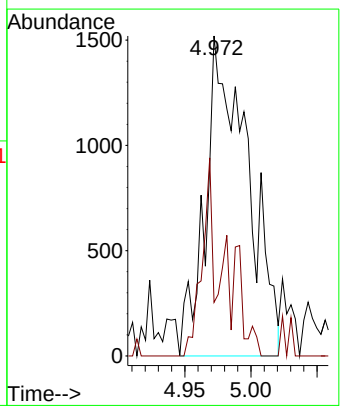
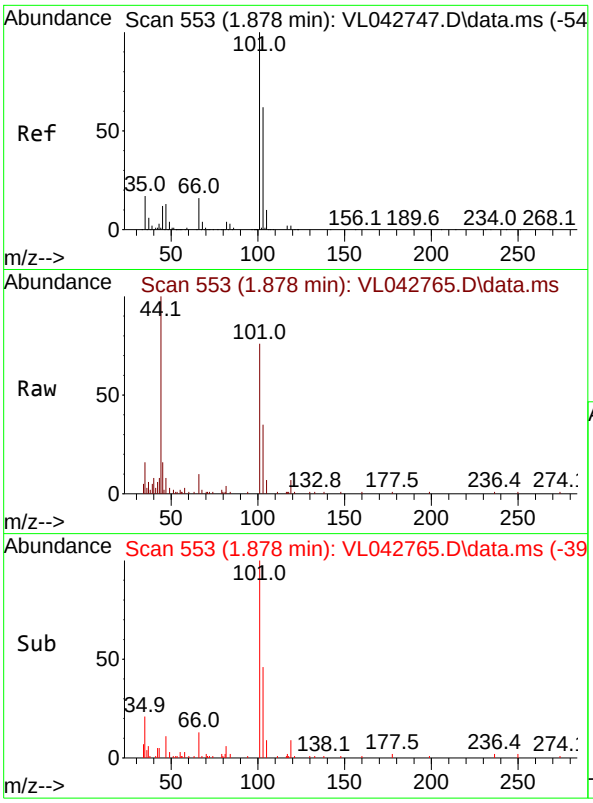


#10
Heptane
Concen: 0.130 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 43 Resp: 3333

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#

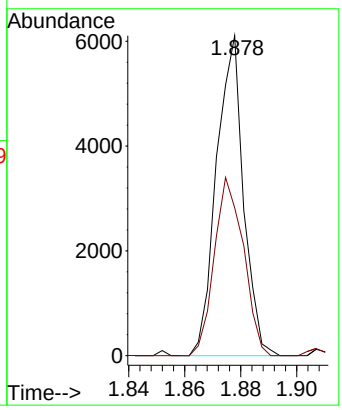




#11
Trichlorofluoromethane
Concen: 0.197 ppbv m
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:101 Resp: 407

Ion	Ratio	Lower	Upper
101	100		
103	46.2	49.6	74.4#



Instrument :
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ClientSampleId :
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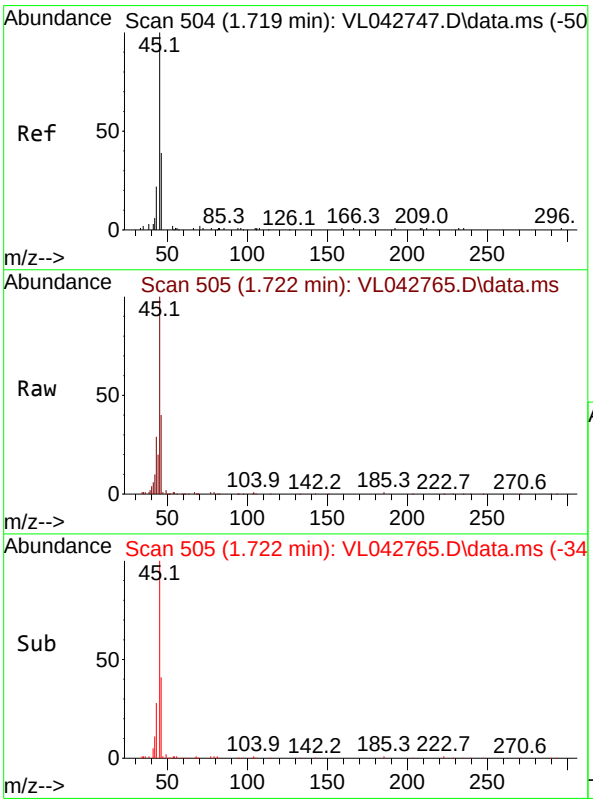
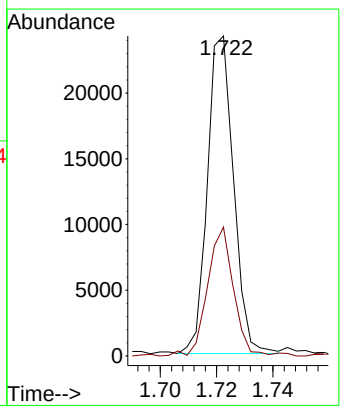
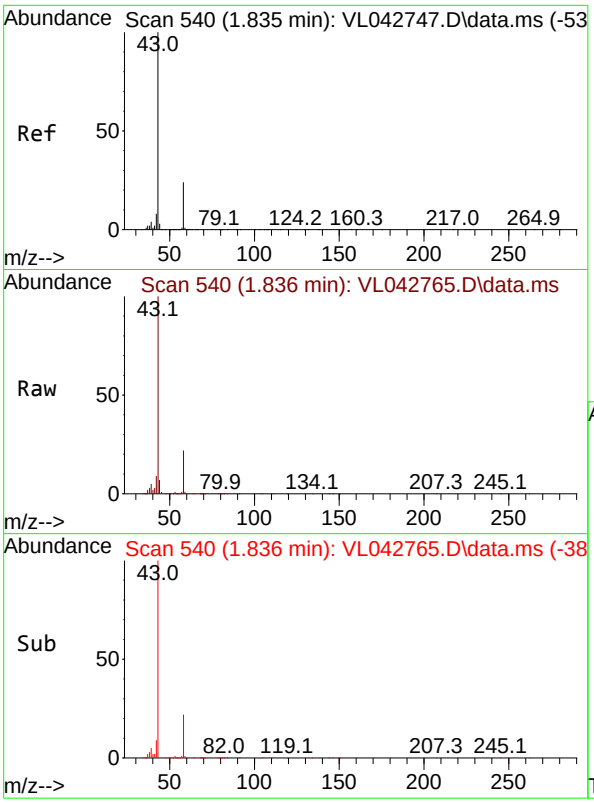


#13
Ethanol
Concen: 21.402 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 45 Resp: 15626

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#

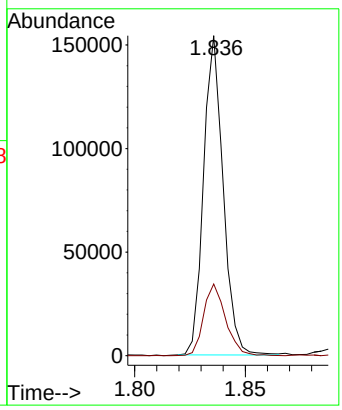




#15
Acetone
Concen: 4.515 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 43 Resp: 9476

Ion	Ratio	Lower	Upper
43	100		
58	25.3	19.8	29.8



Instrument :
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ClientSampleId :
118-AAIDUP

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Reviewed By :Semsettin Yesilyurt 07/26/2025
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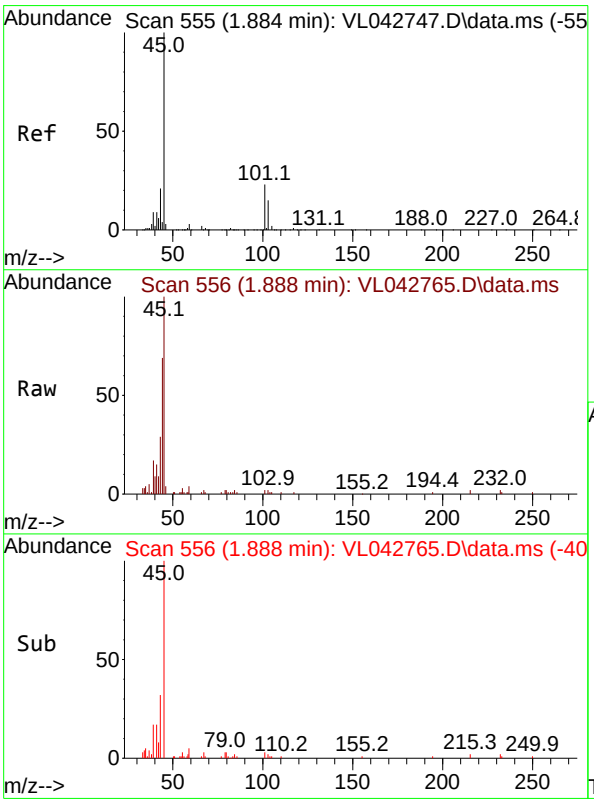
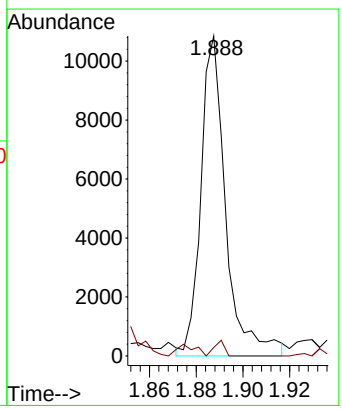
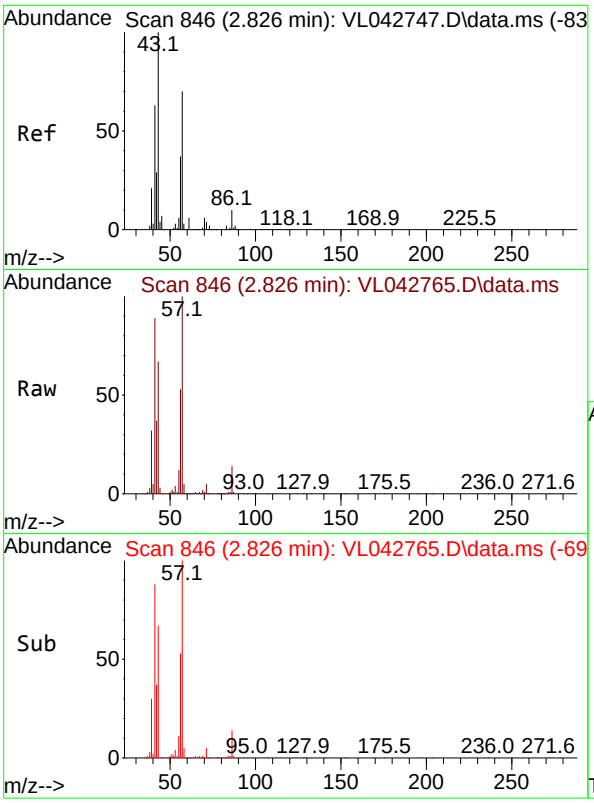


#19
Isopropyl Alcohol
Concen: 0.719 ppbv m
RT: 1.888 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 45 Resp: 8018

Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.0	45.0#

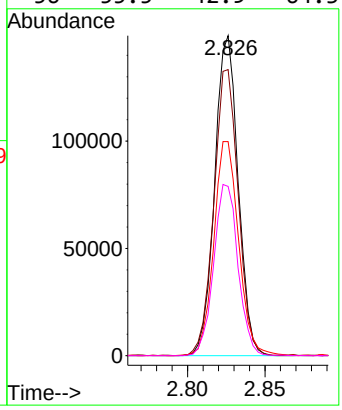




#26
Hexane
Concen: 7.711 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 57 Resp: 15715

Ion	Ratio	Lower	Upper
57	100		
41	93.5	75.4	113.2
43	71.1	185.0	277.6
56	55.5	42.9	64.3



Instrument :
MSVOA_L
ClientSampleId :
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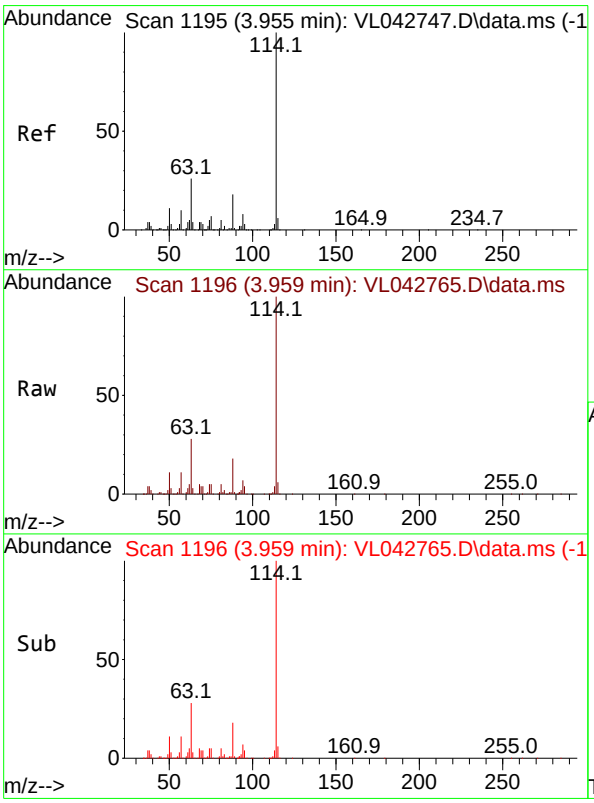
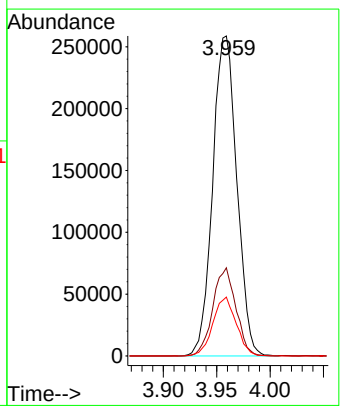
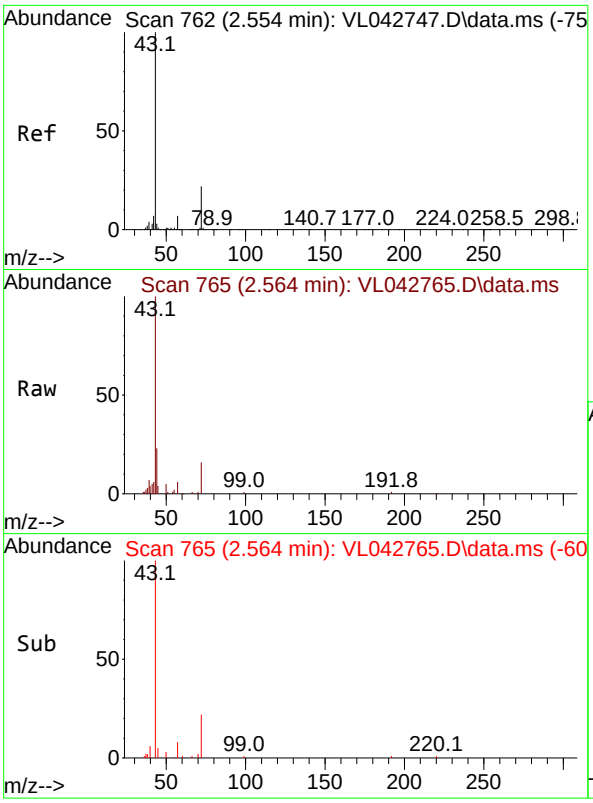


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.004 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:114 Resp: 406880

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.5	30.7
88	17.8	14.0	21.0





#34
2-Butanone
Concen: 0.380 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 43 Resp: 1096

Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.4	26.0

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Manual Integrations
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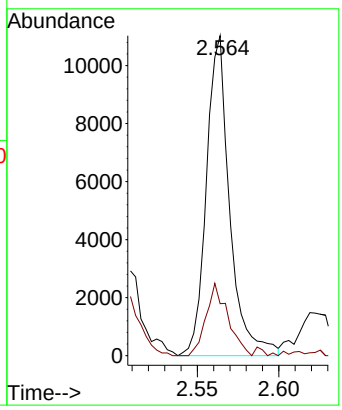
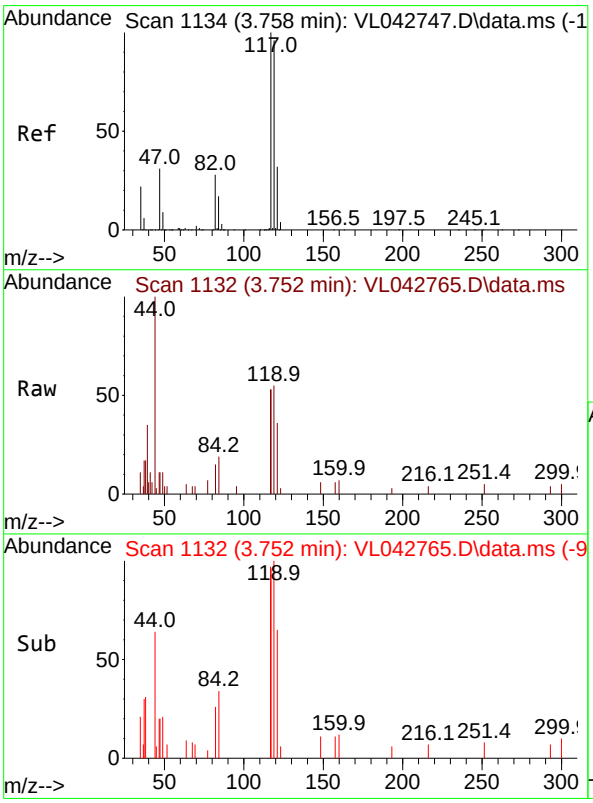
Supervised By :Mahesh Dadoda 07/26/2025

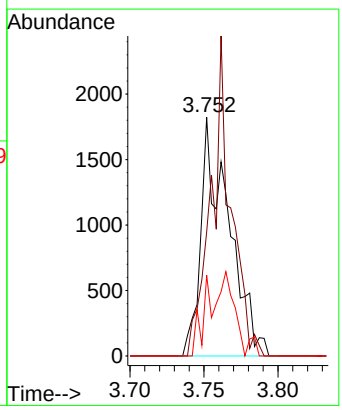


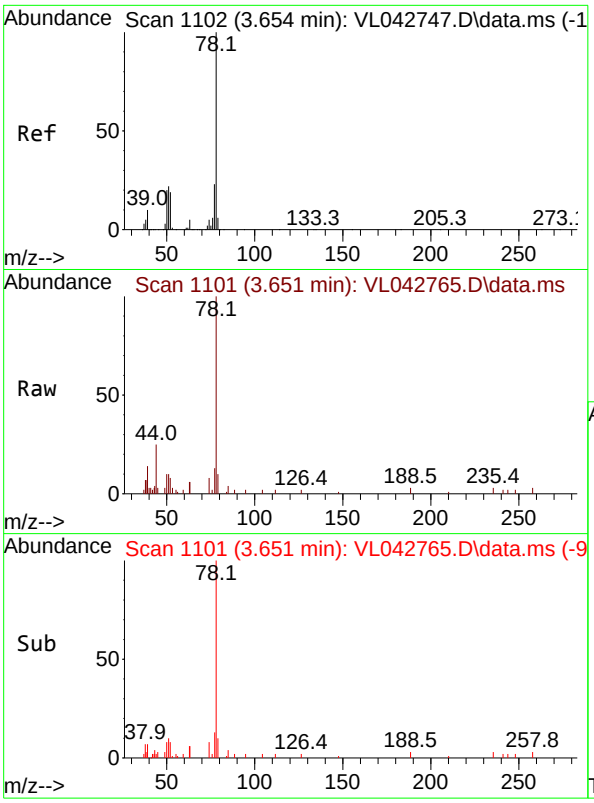


#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 3.752 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:117 Resp: 2382

Ion	Ratio	Lower	Upper
117	100		
119	103.6	77.1	115.7
121	67.4	25.5	38.3#

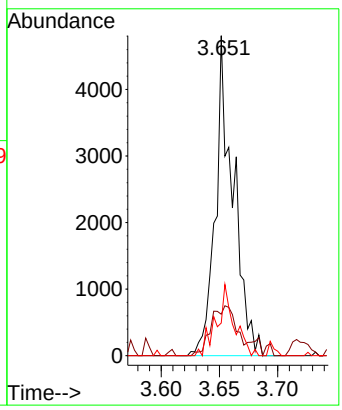




#36
Benzene
Concen: 0.132 ppbv m
RT: 3.651 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 78 Resp: 509

Ion	Ratio	Lower	Upper
78	100		
77	13.0	18.5	27.7#
50	10.2	16.2	24.2#



Instrument :
MSVOA_L
ClientSampleId :
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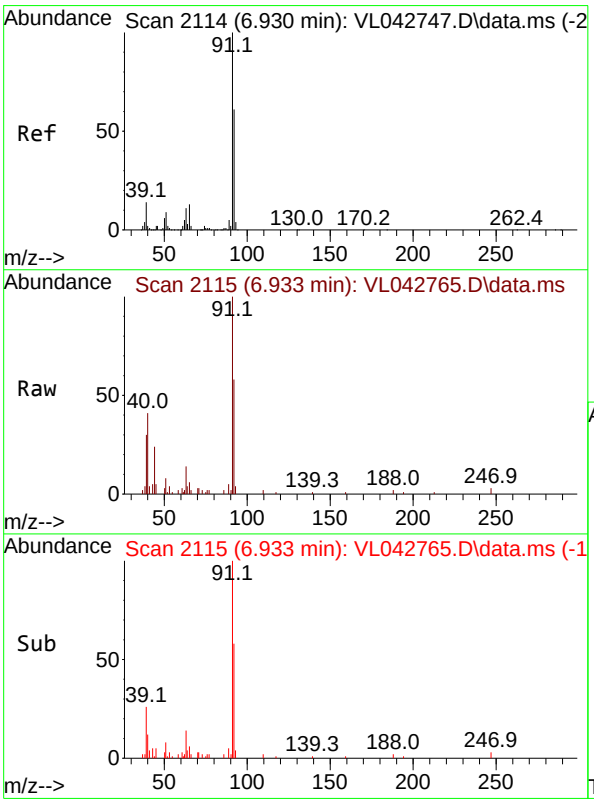
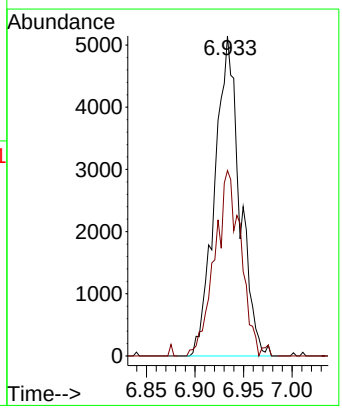
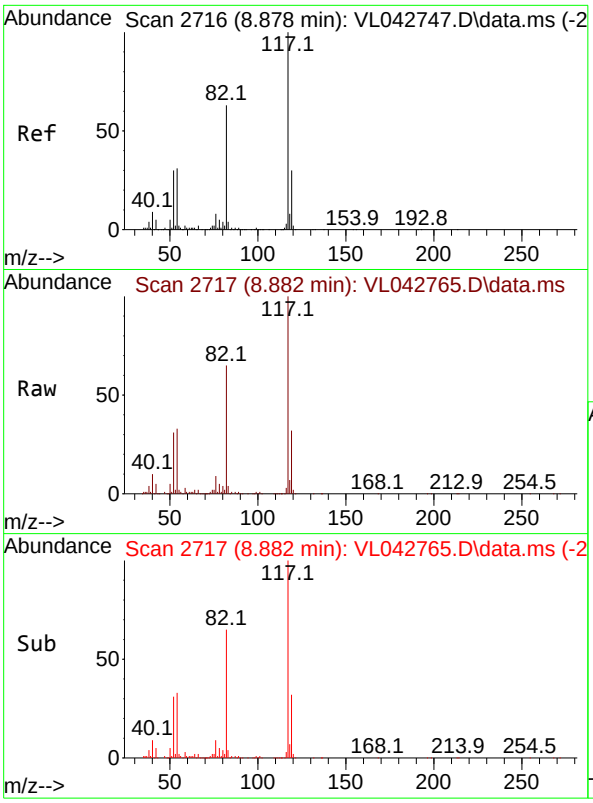


#53
Toluene
Concen: 0.223 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 91 Resp: 9247

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.0	72.0

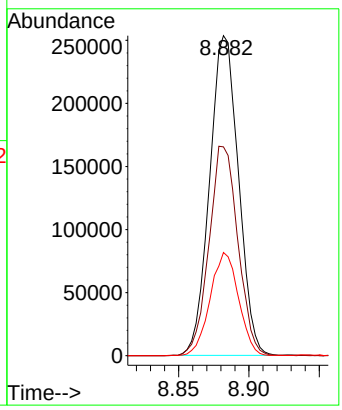




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:117 Resp: 36157

Ion	Ratio	Lower	Upper
117	100		
82	65.8	53.3	79.9
119	31.9	25.8	38.6



Instrument :
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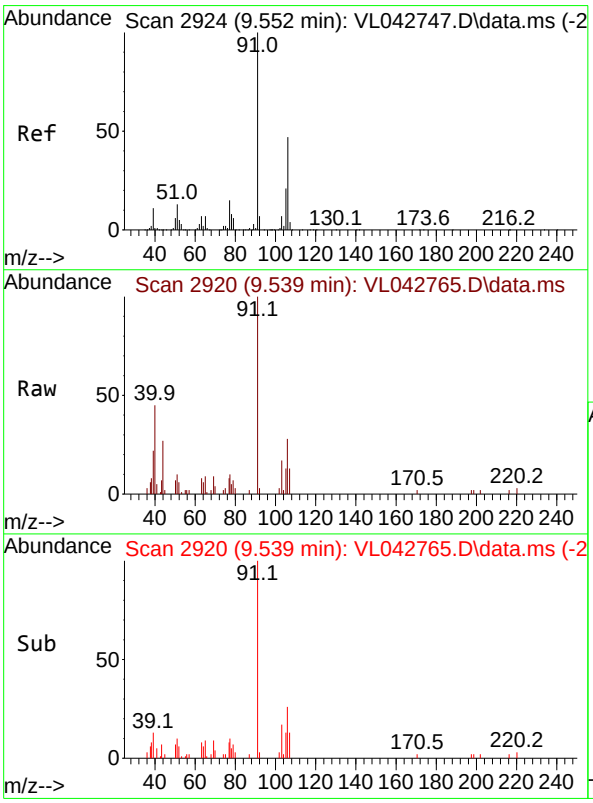
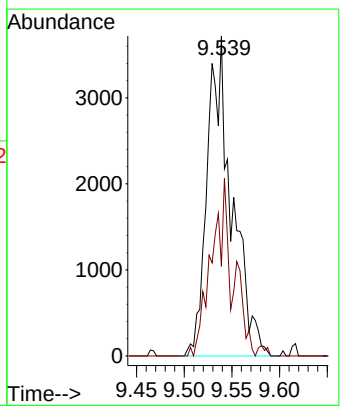
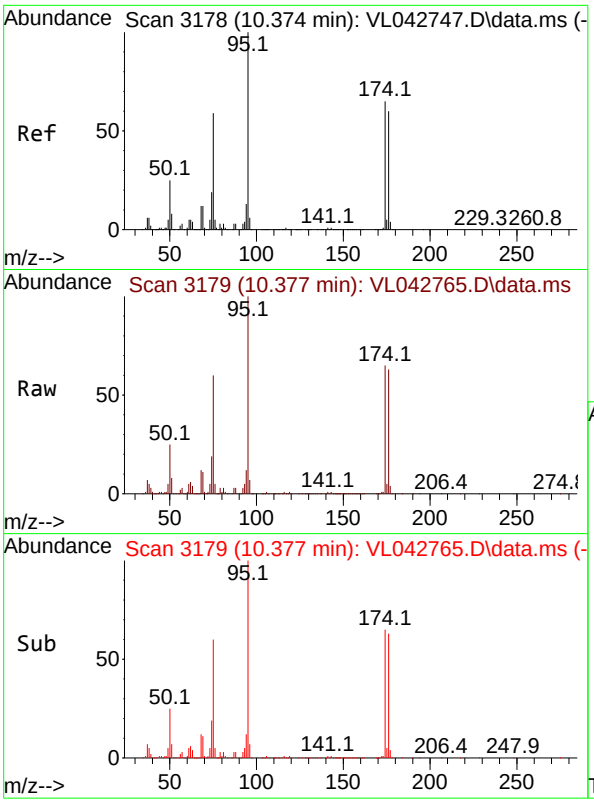


#59
m/p-Xylene
Concen: 0.146 ppbv m
RT: 9.539 min Scan# 2920
Delta R.T. -0.013 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 91 Resp: 6680

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

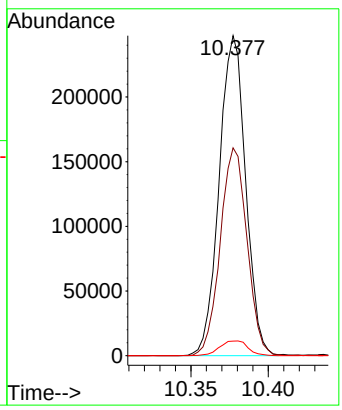




#68
1-Bromo-4-Fluorobenzene
Concen: 10.257 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 95 Resp: 29371

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.0	4.0	6.0



Instrument :
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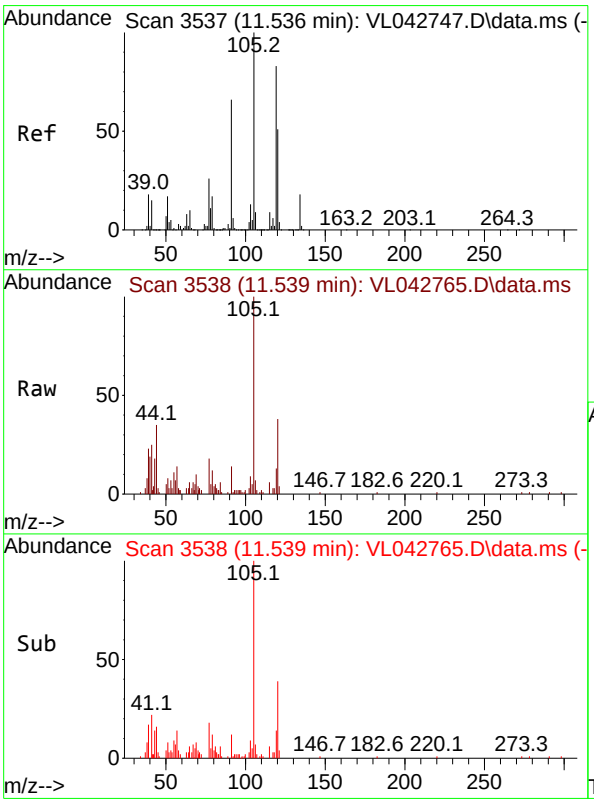
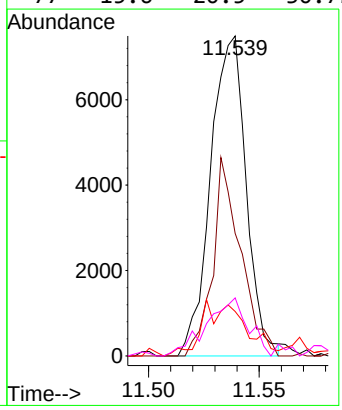


#74
1,2,4-Trimethylbenzene
Concen: 0.171 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:105 Resp: 8363

Ion	Ratio	Lower	Upper
105	100		
120	38.3	40.8	61.2#
91	12.2	53.0	79.4#
77	15.6	20.5	30.7#



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

Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042747.D	m/p-Xylene	SAM	7/24/2025 9:02:56 AM	MMDadoda	7/24/2025 2:20:57 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	1,4-Dioxane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	Cyclohexane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	Heptane	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	m/p-Xylene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC002	VL042748.D	trans-1,2-Dichloroethene	SAM	7/24/2025 9:03:01 AM	MMDadoda	7/24/2025 2:20:59 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	1,4-Dioxane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Bromodichloromethane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042749.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Ethanol	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Heptane	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	m/p-Xylene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	Methyl Methacrylate	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC001	VL042749.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:21 AM	MMDadoda	7/24/2025 2:21:02 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	1,4-Dioxane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	2-Hexanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	4-Methyl-2-Pentanone	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Benzyl Chloride	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Bromodichloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042750.D	cis-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Dibromochloromethane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Ethanol	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Heptane	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	m/p-Xylene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Methyl Methacrylate	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	t-1,3-Dichloropropene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Tetrahydrofuran	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.5	VL042750.D	Trichloroethene	SAM	7/24/2025 9:03:31 AM	MMDadoda	7/24/2025 2:21:04 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	1,1,1-Trichloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC0.03	VL042752.D	Tetrachloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL042752.D	Trichloroethene	SAM	7/24/2025 9:03:05 AM	MMDadoda	7/24/2025 2:21:09 PM	Peak Integrated by Software
VSTDICC015	VL042753.D	m/p-Xylene	SAM	7/24/2025 9:03:41 AM	MMDadoda	7/24/2025 2:21:10 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	1,1,2,2-Tetrachloroethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	1,2-Dibromoethane	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	Carbon Tetrachloride	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	Tetrachloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042754.D	Trichloroethene	SAM	7/24/2025 9:03:10 AM	MMDadoda	7/24/2025 2:21:12 PM	Peak Integrated by Software
VSTDICV010	VL042755.D	1,1,2-Trichloroethane	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software
VSTDICV010	VL042755.D	m/p-Xylene	SAM	7/24/2025 9:03:15 AM	MMDadoda	7/24/2025 2:21:15 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042757.D	m/p-Xylene	SAM	7/25/2025 7:40:22 AM	MMDadoda	7/25/2025 4:36:25 PM	Peak Integrated by Software
VL0724ABS01	VL042759.D	m/p-Xylene	SAM	7/25/2025 8:06:02 AM	MMDadoda	7/25/2025 4:36:24 PM	Peak Integrated by Software
Q2671-04DL	VL042760.D	1,1,1-Trichloroethane	SAM	7/25/2025 8:07:19 AM	MMDadoda	7/25/2025 4:36:25 PM	Peak Integrated by Software
Q2671-04DL	VL042760.D	Carbon Tetrachloride	SAM	7/25/2025 8:07:19 AM	MMDadoda	7/25/2025 4:36:25 PM	Peak Integrated by Software
Q2671-05DL	VL042761.D	Trichloroethene	SAM	7/25/2025 8:06:07 AM	MMDadoda	7/25/2025 4:36:28 PM	Peak Integrated by Software
Q2671-04	VL042762.D	4-Methyl-2-Pentanone	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-04	VL042762.D	Bromodichloromethane	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-04	VL042762.D	Heptane	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-04	VL042762.D	Isopropyl Alcohol	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-04	VL042762.D	m/p-Xylene	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-04	VL042762.D	o-Xylene	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-04	VL042762.D	Toluene	SAM	7/25/2025 4:38:57 PM	MMDadoda	7/25/2025 4:36:30 PM	Peak Integrated by Software
Q2671-05	VL042763.D	1,1,1-Trichloroethane	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2671-05	VL042763.D	Carbon Tetrachloride	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software
Q2671-05	VL042763.D	Heptane	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software
Q2671-05	VL042763.D	m/p-Xylene	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software
Q2671-05	VL042763.D	Tetrahydrofuran	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software
Q2671-05	VL042763.D	Toluene	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software
Q2671-05	VL042763.D	Trichloroethene	sam	7/26/2025 12:16:18 AM	MMdadoda	7/26/2025 12:17:17 AM	Peak Integrated by Software
Q2671-01	VL042764.D	Benzene	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01	VL042764.D	Carbon Tetrachloride	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01	VL042764.D	Chlorodifluoromethane	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01	VL042764.D	Heptane	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01	VL042764.D	Isopropyl Alcohol	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01	VL042764.D	m/p-Xylene	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01	VL042764.D	Toluene	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software

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Sequence:	VL072425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2671-01	VL042764.D	Trichlorofluoromethane	sam	7/26/2025 12:16:23 AM	MMdadoda	7/26/2025 12:17:23 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Benzene	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Carbon Tetrachloride	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Chlorodifluoromethane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Dichlorodifluoromethane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Heptane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Isopropyl Alcohol	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	m/p-Xylene	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Toluene	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-01DUP	VL042765.D	Trichlorofluoromethane	sam	7/26/2025 12:16:30 AM	MMdadoda	7/26/2025 12:17:27 AM	Peak Integrated by Software
Q2671-02	VL042767.D	Benzene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software
Q2671-02	VL042767.D	Carbon Tetrachloride	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software
Q2671-02	VL042767.D	Heptane	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2671-02	VL042767.D	m/p-Xylene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software
Q2671-02	VL042767.D	Propene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software
Q2671-02	VL042767.D	Tetrachloroethene	SAM	7/25/2025 8:07:29 AM	MMDadoda	7/25/2025 4:36:40 PM	Peak Integrated by Software
Q2671-02DL	VL042768.D	Propene	SAM	7/25/2025 8:06:27 AM	MMDadoda	7/25/2025 4:36:42 PM	Peak Integrated by Software
Q2671-03	VL042769.D	Benzene	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software
Q2671-03	VL042769.D	Carbon Tetrachloride	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software
Q2671-03	VL042769.D	Heptane	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software
Q2671-03	VL042769.D	m/p-Xylene	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software
Q2671-03	VL042769.D	Methylene Chloride	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software
Q2671-03	VL042769.D	Propene	sam	7/26/2025 12:16:35 AM	MMdadoda	7/26/2025 12:17:31 AM	Peak Integrated by Software
Q2671-03DL	VL042770.D	1,1,1-Trichloroethane	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software
Q2671-03DL	VL042770.D	1,2-Dichloroethane	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software
Q2671-03DL	VL042770.D	Propene	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL072425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2671-03DL	VL042770.D	Tetrachloroethene	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software
Q2671-03DL	VL042770.D	Toluene	SAM	7/25/2025 8:06:22 AM	MMDadoda	7/25/2025 4:36:46 PM	Peak Integrated by Software
VSTDCCC010	VL042771.D	m/p-Xylene	SAM	7/25/2025 8:06:17 AM	MMDadoda	7/25/2025 4:36:51 PM	Peak Integrated by Software

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL072325

Review By	Semsettin Yesilyurt	Review On	7/24/2025 9:04:14 AM				
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 2:21:30 PM				
SubDirectory	VL072325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL072325AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042746.D	23 Jul 2025 08:00	SY/MD	Ok
2	VSTDICCC010	VL042747.D	23 Jul 2025 08:58	SY/MD	Ok,M
3	VSTDICC002	VL042748.D	23 Jul 2025 09:34	SY/MD	Ok,M
4	VSTDICC001	VL042749.D	23 Jul 2025 10:08	SY/MD	Ok,M
5	VSTDICC0.5	VL042750.D	23 Jul 2025 10:42	SY/MD	Ok,M
6	VSTDICC0.1	VL042751.D	23 Jul 2025 11:16	SY/MD	Not Ok
7	VSTDICC0.03	VL042752.D	23 Jul 2025 11:50	SY/MD	Ok,M
8	VSTDICC015	VL042753.D	23 Jul 2025 12:26	SY/MD	Ok,M
9	VSTDICC0.1	VL042754.D	23 Jul 2025 13:00	SY/MD	Ok,M
10	VSTDICV010	VL042755.D	23 Jul 2025 14:33	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL072425

Review By	Semsettin Yesilyurt	Review On	7/25/2025 8:10:00 AM				
Supervise By	Mahesh Dadoda	Supervise On	7/25/2025 4:36:51 PM				
SubDirectory	VL072425	HP Acquire Method	TO15AIR.M		HP Processing Method	VL072325AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042756.D	24 Jul 2025 07:39	SY/MD	Ok
2	VSTDCCC010	VL042757.D	24 Jul 2025 08:23	SY/MD	Ok,M
3	VL0724ABL01	VL042758.D	24 Jul 2025 10:12	SY/MD	Ok
4	VL0724ABS01	VL042759.D	24 Jul 2025 10:57	SY/MD	Ok,M
5	Q2671-04DL	VL042760.D	24 Jul 2025 11:39	SY/MD	Ok,M
6	Q2671-05DL	VL042761.D	24 Jul 2025 12:14	SY/MD	Ok,M
7	Q2671-04	VL042762.D	24 Jul 2025 13:17	SY/MD	Dilution
8	Q2671-05	VL042763.D	24 Jul 2025 13:52	SY/MD	Dilution
9	Q2671-01	VL042764.D	24 Jul 2025 14:28	SY/MD	Ok,M
10	Q2671-01DUP	VL042765.D	24 Jul 2025 15:05	SY/MD	Ok,M
11	Q2671-01DL	VL042766.D	24 Jul 2025 15:40	SY/MD	Not Ok
12	Q2671-02	VL042767.D	24 Jul 2025 16:17	SY/MD	Dilution
13	Q2671-02DL	VL042768.D	24 Jul 2025 16:53	SY/MD	Ok,M
14	Q2671-03	VL042769.D	24 Jul 2025 17:29	SY/MD	Dilution
15	Q2671-03DL	VL042770.D	24 Jul 2025 18:05	SY/MD	Ok,M
16	VSTDCCC010	VL042771.D	24 Jul 2025 19:08	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL072325

Review By	Semsettin Yesilyurt	Review On	7/24/2025 9:04:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 2:21:30 PM		
SubDirectory	VL072325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL072325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042746.D	23 Jul 2025 08:00		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042747.D	23 Jul 2025 08:58		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042748.D	23 Jul 2025 09:34		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042749.D	23 Jul 2025 10:08	Comp. #13,79,80,81 are on Linear Regression	SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042750.D	23 Jul 2025 10:42		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042751.D	23 Jul 2025 11:16	Not used	SY/MD	Not Ok
7	VSTDICC0.03	VSTDICC0.03	VL042752.D	23 Jul 2025 11:50		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042753.D	23 Jul 2025 12:26	%D failed for Comp. #80 in 0.5 and 2 ppb	SY/MD	Ok,M
9	VSTDICC0.1	VSTDICC0.1	VL042754.D	23 Jul 2025 13:00	%D failed for Comp. #79 in 0.1 ppb	SY/MD	Ok,M
10	VSTDICV010	ICVVL072325	VL042755.D	23 Jul 2025 14:33		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 # VL072425

Review By	Semsettin Yesilyurt	Review On	7/25/2025 8:10:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/25/2025 4:36:51 PM		
SubDirectory	VL072425	HP Acquire Method	TO15AIR.M	HP Processing Method	VL072325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2645
Initial Calibration Stds	AP2641,AP2642,AP2643
CCC	AP2641
Internal Standard/PEM	AP2645
ICV/I.BLK	AP2644
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042756.D	24 Jul 2025 07:39		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042757.D	24 Jul 2025 08:23		SY/MD	Ok,M
3	VL0724ABL01	VL0724ABL01	VL042758.D	24 Jul 2025 10:12		SY/MD	Ok
4	VL0724ABS01	VL0724ABS01	VL042759.D	24 Jul 2025 10:57		SY/MD	Ok,M
5	Q2671-04DL	118-SG2DL	VL042760.D	24 Jul 2025 11:39		SY/MD	Ok,M
6	Q2671-05DL	118-SG1DL	VL042761.D	24 Jul 2025 12:14		SY/MD	Ok,M
7	Q2671-04	118-SG2	VL042762.D	24 Jul 2025 13:17	Need 10X	SY/MD	Dilution
8	Q2671-05	118-SG1	VL042763.D	24 Jul 2025 13:52	Need 10X	SY/MD	Dilution
9	Q2671-01	118-AAI	VL042764.D	24 Jul 2025 14:28		SY/MD	Ok,M
10	Q2671-01DUP	118-AAIDUP	VL042765.D	24 Jul 2025 15:05		SY/MD	Ok,M
11	Q2671-01DL	118-AAIDL	VL042766.D	24 Jul 2025 15:40	Not Required	SY/MD	Not Ok
12	Q2671-02	118-IA-1	VL042767.D	24 Jul 2025 16:17	Need 10X	SY/MD	Dilution
13	Q2671-02DL	118-IA-1DL	VL042768.D	24 Jul 2025 16:53		SY/MD	Ok,M
14	Q2671-03	118-IA-2	VL042769.D	24 Jul 2025 17:29	Need 10X	SY/MD	Dilution
15	Q2671-03DL	118-IA-2DL	VL042770.D	24 Jul 2025 18:05		SY/MD	Ok,M
16	VSTDCCC010	VSTDCCC010EC	VL042771.D	24 Jul 2025 19:08		SY/MD	Ok,M

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 : Q2671

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: VL072425,

Standard ID :
AP2641,AP2642,AP2643,AP2644,AP2645,

Chemical ID :
A1117,A1138,A1139,A1140,

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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	AP2641	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1140 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2397	TO-15 -2 PPBV CAL.MIX	AP2642	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2641 = 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
2668	0.5 PPBV CAL.MIX	AP2643	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2641 = 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	AP2644	07/16/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1139 = 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
47	Internal Standard/Surrogate Mix-80 ppbv	AP2645	07/22/2025	08/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/28/2025

FROM 2.40000psi of A1138 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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)	040424-003AR	04/16/2026	07/16/2025 / SAM	07/14/2025 / SAM	A1139

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)	040424-003BR	04/16/2026	07/16/2025 / SAM	07/14/2025 / SAM	A1140

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.

Rec 07/14/25

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1139

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC315629
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 04/16/2025
Expiration Date: 04/16/2026
Lot Number: 040424-003AR

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003R	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	519 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	537 ppb +/- 50 ppb	
Acrolein	500 ppb	542 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	532 ppb +/- 50 ppb	
Allyl chloride	500 ppb	509 ppb +/- 50 ppb	
Benzene	500 ppb	486 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	492 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	512 ppb +/- 50 ppb	
Bromoform	500 ppb	497 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	506 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	529 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	527 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	527 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	527 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	487 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	509 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	494 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	490 ppb +/- 50 ppb	
Chloroform	500 ppb	495 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	529 ppb +/- 50 ppb	
Cyclohexane	500 ppb	482 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	491 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	510 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	489 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	490 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	508 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	494 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	499 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	496 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	491 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	491 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	492 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	518 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	468 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	507 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	486 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	488 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	552 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	499 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	509 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	488 ppb +/- 50 ppb	
n-Heptane	500 ppb	487 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	489 ppb +/- 50 ppb	
2-Hexanone	500 ppb	493 ppb +/- 50 ppb	
n-Hexane	500 ppb	485 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	511 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	524 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	532 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	505 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	509 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	496 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	493 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	529 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	483 ppb +/- 50 ppb	
Methylene chloride	500 ppb	498 ppb +/- 50 ppb	
Naphthalene	500 ppb	539 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	529 ppb +/- 50 ppb	
Propylene	500 ppb	508 ppb +/- 50 ppb	
Styrene	500 ppb	485 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	532 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	534 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	487 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	535 ppb +/- 50 ppb	
Toluene	500 ppb	491 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	494 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	488 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	508 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	495 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	494 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	498 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	489 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	499 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	501 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	509 ppb +/- 50 ppb	
m-Xylene	500 ppb	495 ppb +/- 50 ppb	
o-Xylene	500 ppb	482 ppb +/- 50 ppb	
p-Xylene	500 ppb	488 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:	+/- 20 %
	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: 04/16/2025

*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.

Rec 07/14/25

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1140

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: AD49101
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 04/16/2025
Expiration Date: 04/16/2026
Lot Number: 040424-003BR

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003R	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	460 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	471 ppb +/- 50 ppb	
Acrolein	500 ppb	480 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	476 ppb +/- 50 ppb	
Allyl chloride	500 ppb	453 ppb +/- 50 ppb	
Benzene	500 ppb	431 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	436 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	454 ppb +/- 50 ppb	
Bromoform	500 ppb	441 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	449 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	469 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	467 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	467 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	467 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	432 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	451 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	438 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	474 ppb +/- 50 ppb	
Chloroform	500 ppb	438 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	469 ppb +/- 50 ppb	
Cyclohexane	500 ppb	430 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	437 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	454 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	435 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	476 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	452 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	438 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	442 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	439 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	435 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	435 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	436 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	460 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	415 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	450 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	431 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	433 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	489 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	442 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	451 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	432 ppb +/- 50 ppb	
n-Heptane	500 ppb	434 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	436 ppb +/- 50 ppb	
2-Hexanone	500 ppb	437 ppb +/- 50 ppb	
n-Hexane	500 ppb	432 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	455 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	465 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	530 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	450 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	453 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	442 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	439 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	469 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	430 ppb +/- 50 ppb	
Methylene chloride	500 ppb	443 ppb +/- 50 ppb	
Naphthalene	500 ppb	478 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	525 ppb +/- 50 ppb	
Propylene	500 ppb	452 ppb +/- 50 ppb	
Styrene	500 ppb	432 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	471 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	431 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	434 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	477 ppb +/- 50 ppb	
Toluene	500 ppb	438 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	440 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	440 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	440 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	435 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	453 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	441 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	440 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	444 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	435 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	444 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	450 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	451 ppb +/- 50 ppb	
m-Xylene	500 ppb	439 ppb +/- 50 ppb	
o-Xylene	500 ppb	427 ppb +/- 50 ppb	
p-Xylene	500 ppb	433 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	497 ppb +/- 50 ppb	
R-22	500 ppb	435 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:	**Blend Tolerance:**	+/- 20 %
	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: 04/16/2025

*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.

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

Process Report

Order ID : Q2671

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
07/22/2025	B2507027	Q2671-01	-5.9	10599	6 L	10567		C2505004	**VL042600.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D
07/22/2025	B2507027	Q2671-03	-6.3	10294	6 L	10183		C2505004	**VL042600.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D
07/22/2025	B2507027	Q2671-05	-8.6	10267	6 L	10202		C2505004	**VL042600.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D
07/22/2025	B2507027	Q2671-04	-7.5	10197	6 L	10188		C2505004	**VL042600.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D
07/22/2025	B2507027	Q2671-02	-7.5	10154	6 L	10476		C2505004	**VL042600.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D

Canister Cleaning

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

Canister Batch : C2505004

Type of Canister : 6 L

Cleaning Date : 05/22/2025

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
10267	-30	05/23/2025	05/29/2025	-30	05/27/2025	Q2671-05	10154	VL042600.D
10294	-30	05/23/2025	05/29/2025	-30	05/27/2025	Q2671-03	10154	VL042600.D
10275	-30	05/23/2025	05/29/2025	-30	05/27/2025		10154	VL042600.D
10197	-30	05/23/2025	05/29/2025	-30	05/27/2025	Q2671-04	10154	VL042600.D
10283	-30	05/23/2025	05/29/2025	-30	05/27/2025	Q2617-02	10154	VL042600.D
10154	-30	05/23/2025	05/29/2025	-30	05/27/2025	Q2671-02	10154	VL042600.D
10285	-30	05/23/2025	05/29/2025	-30	05/27/2025		10154	VL042600.D
10599	-30	05/23/2025	05/29/2025	-30	05/27/2025	Q2671-01	10154	VL042600.D

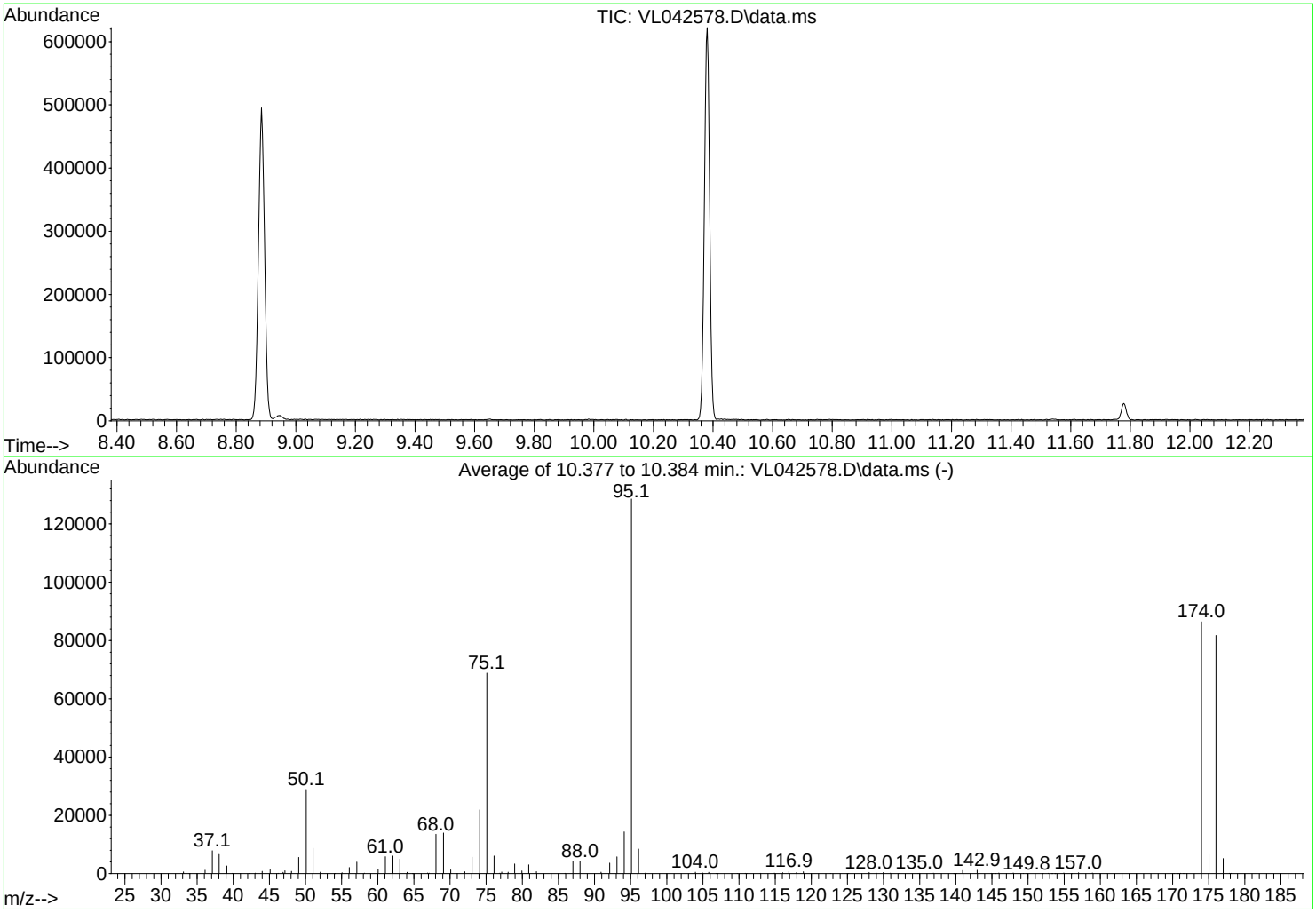
BFB

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

Response Factor Report MSVOA_L

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 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)
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

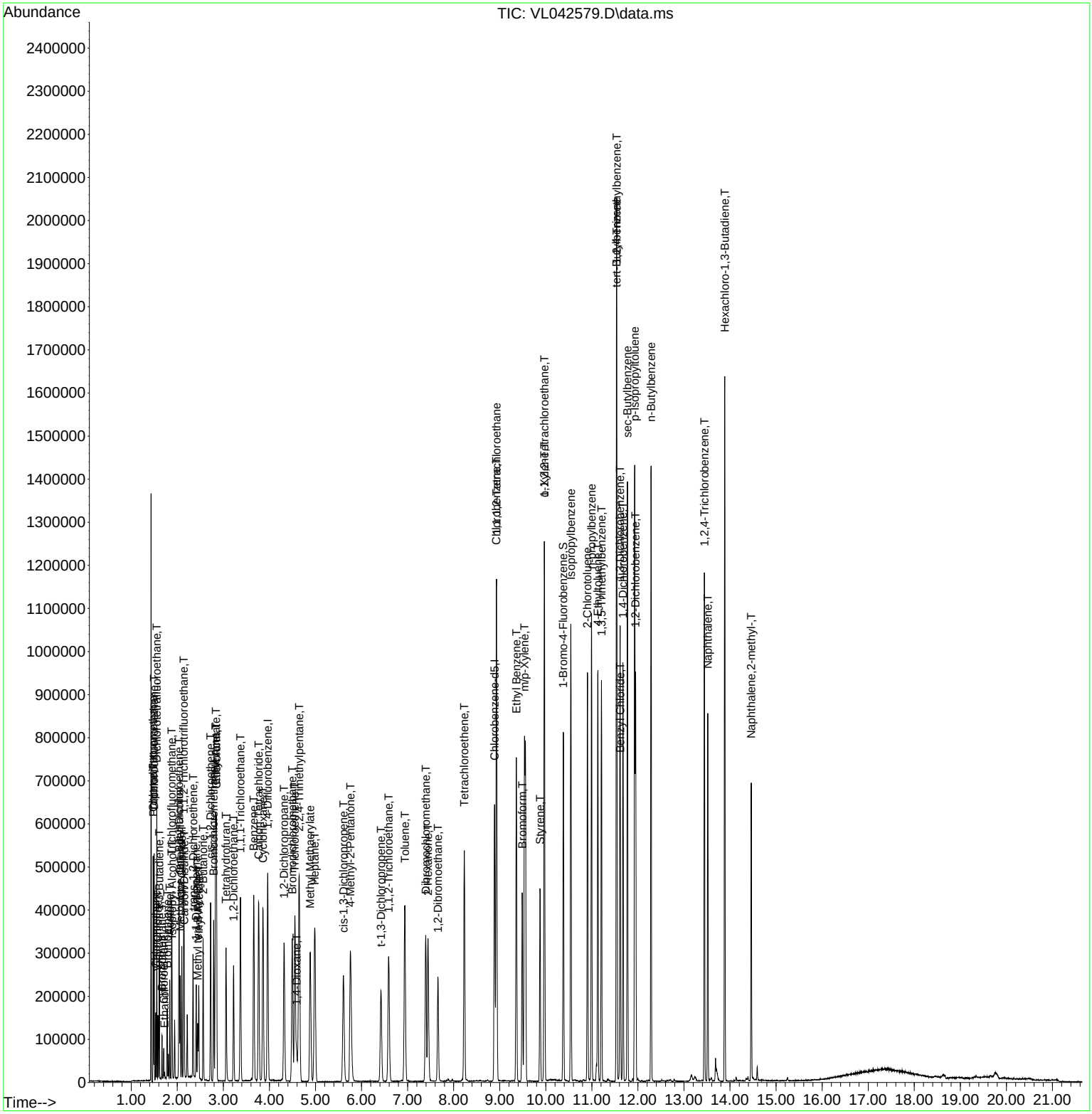
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

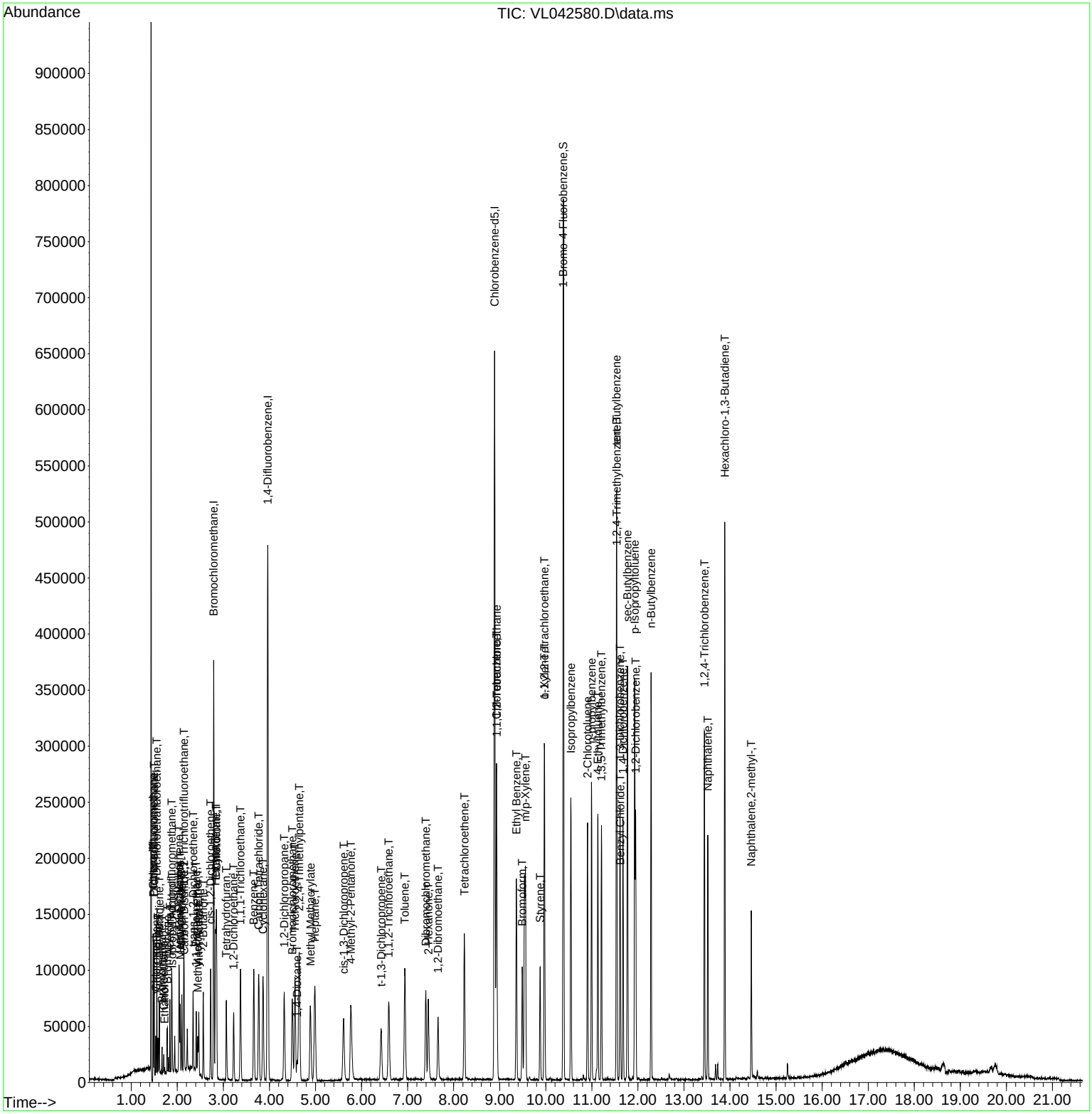
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042580.D
Acq On : 29 May 2025 11:43
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

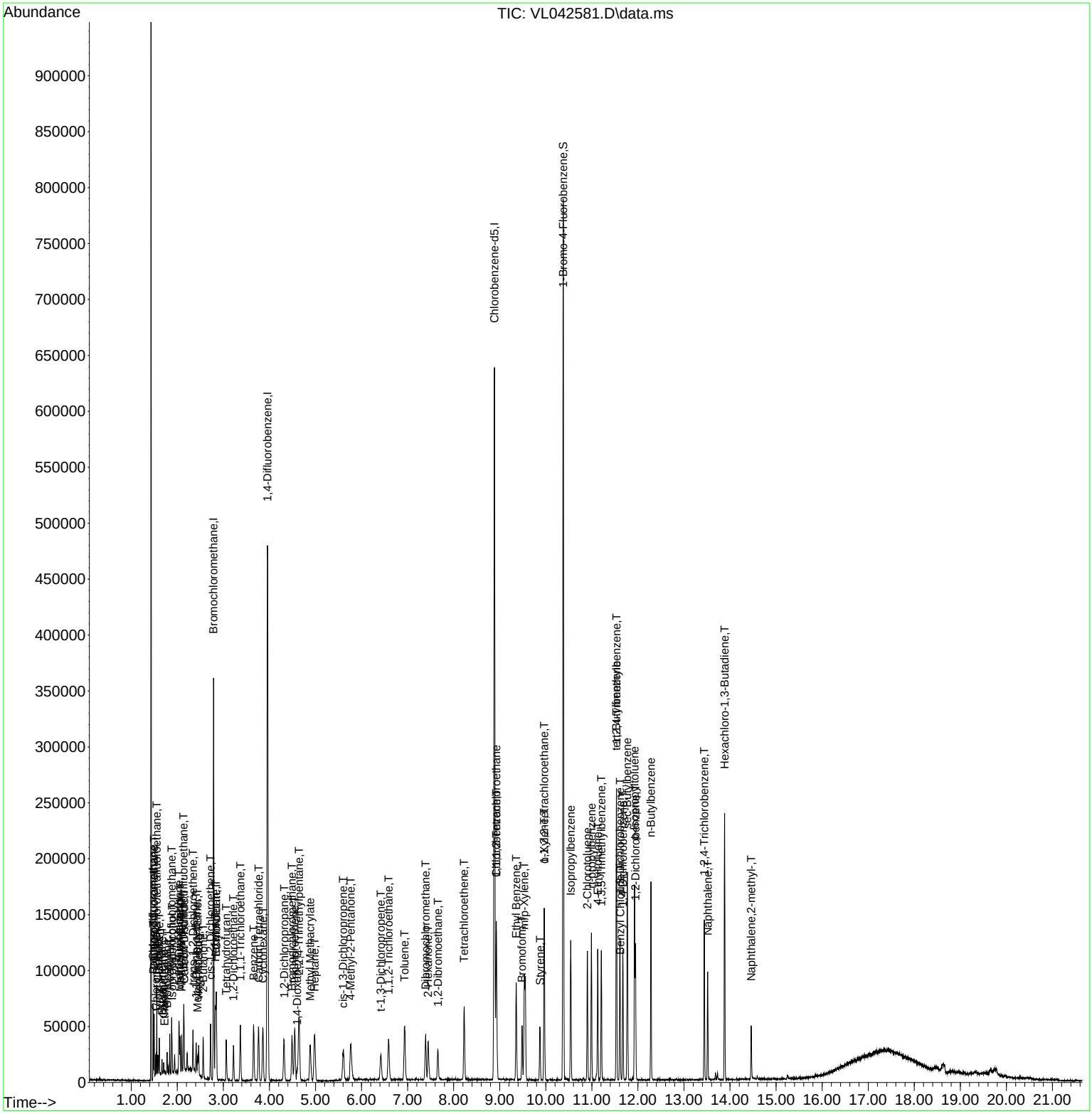
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

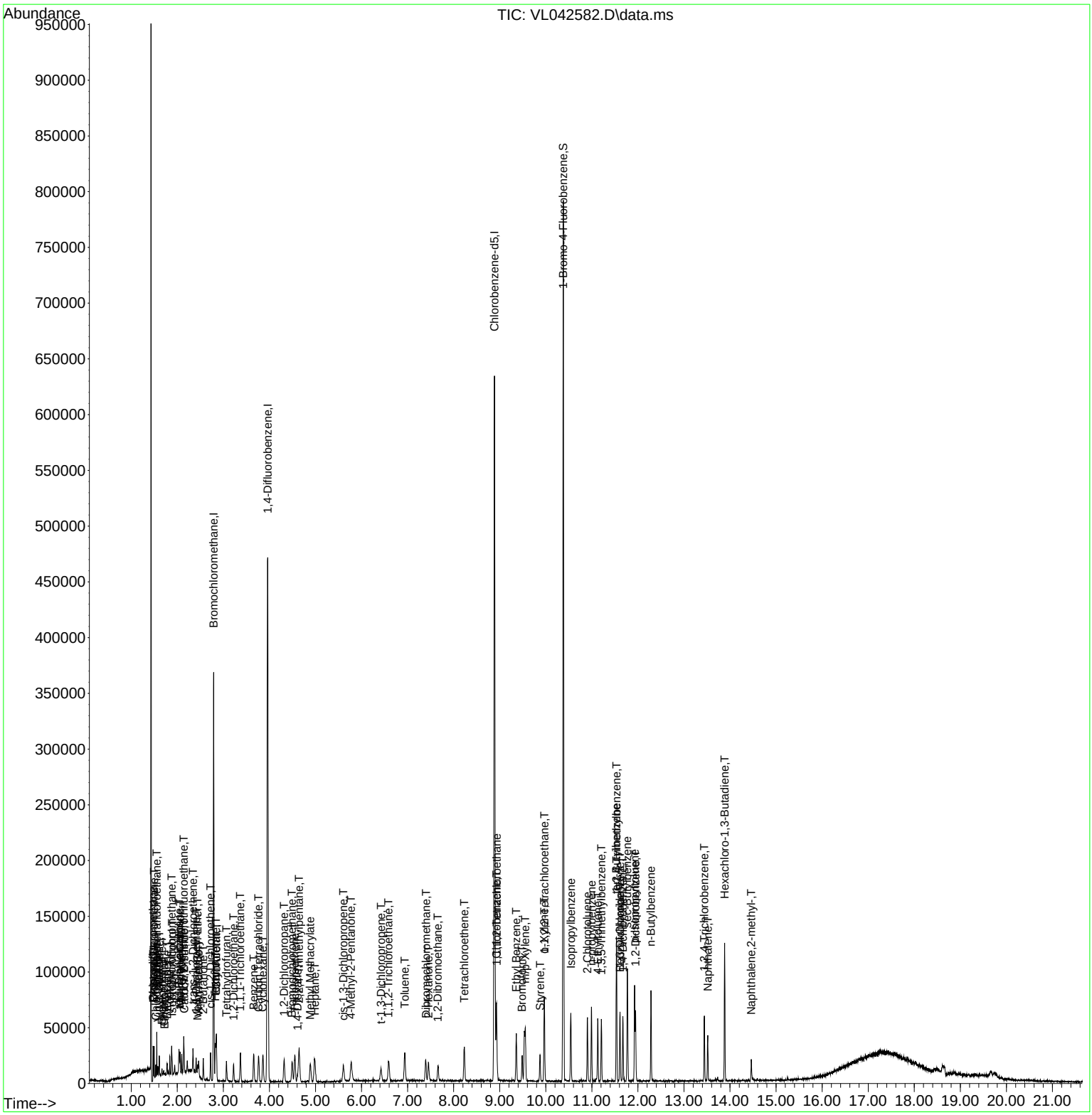
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042582.D
Acq On : 29 May 2025 12:47
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

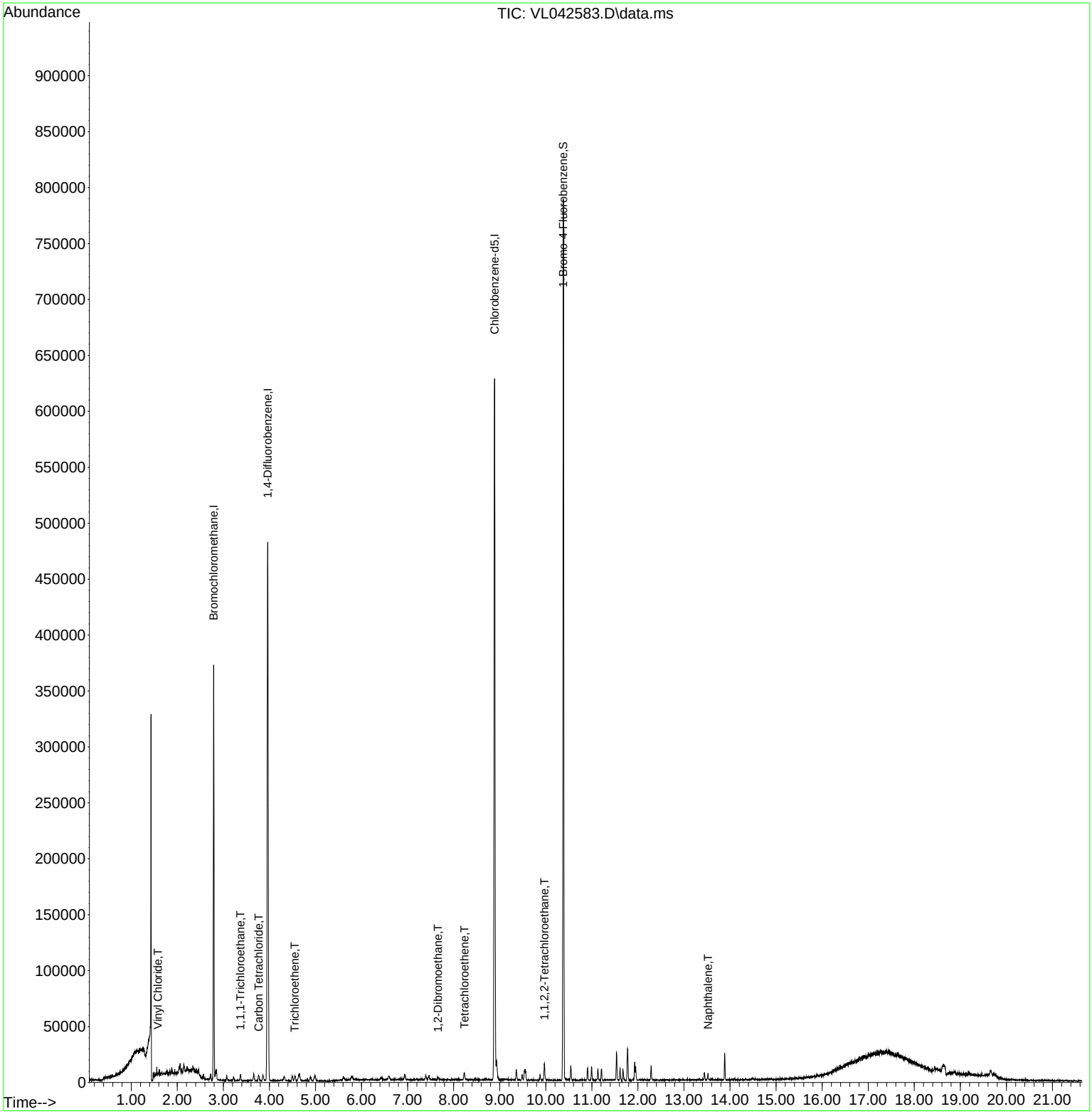
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042583.D
Acq On : 29 May 2025 13:19
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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
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

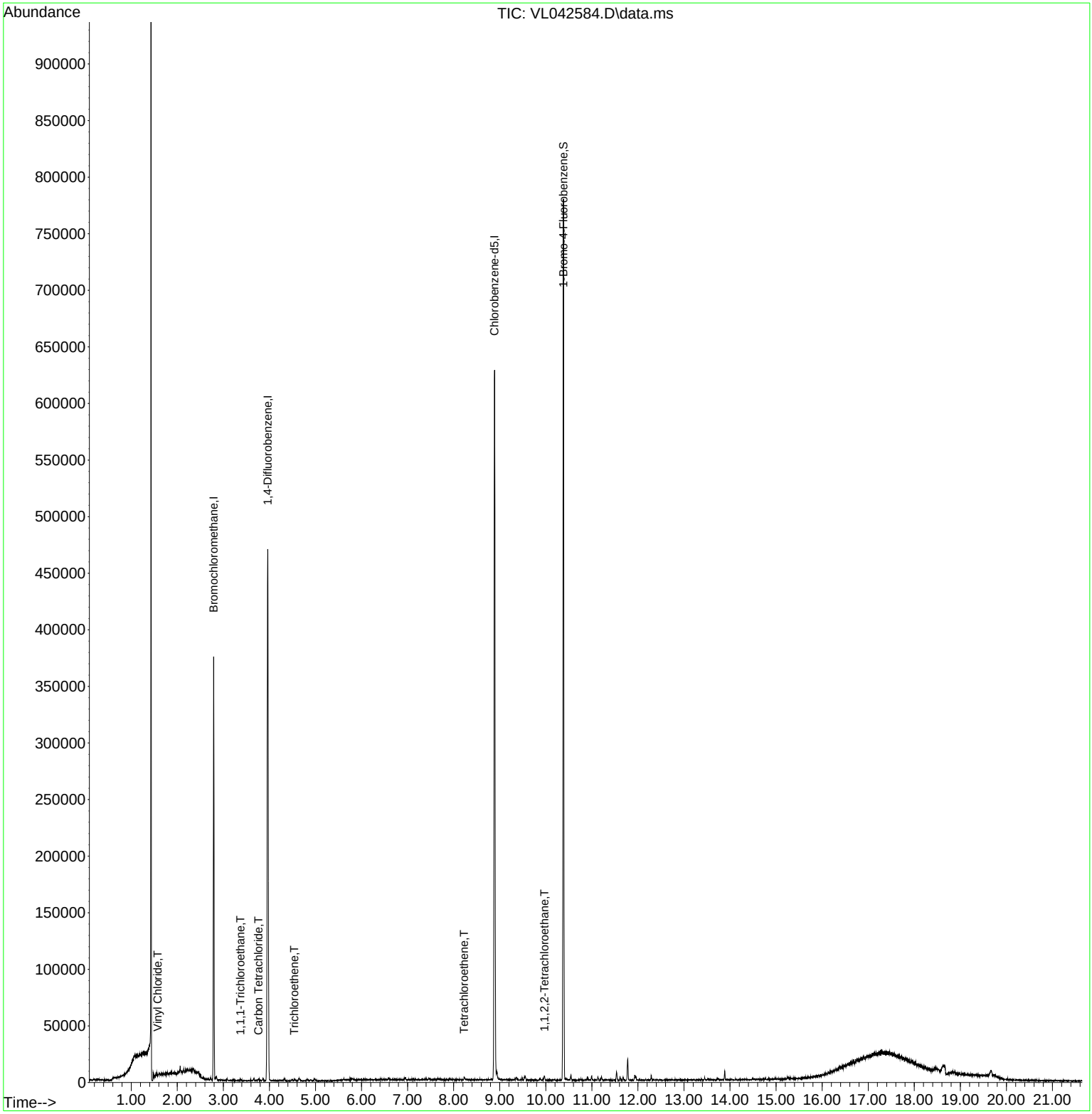
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042584.D
Acq On : 29 May 2025 13:51
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

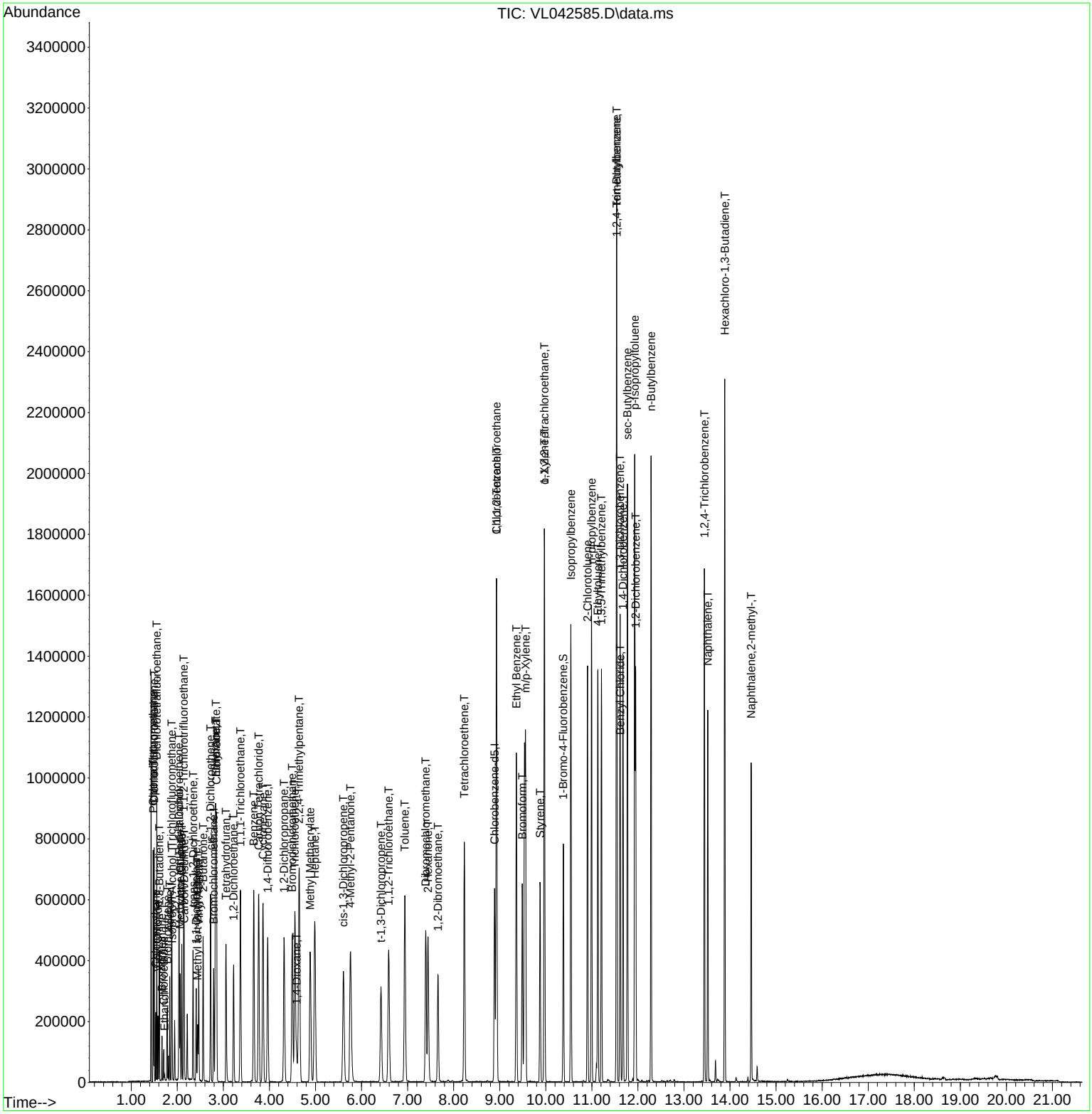
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042585.D
Acq On : 29 May 2025 14:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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



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

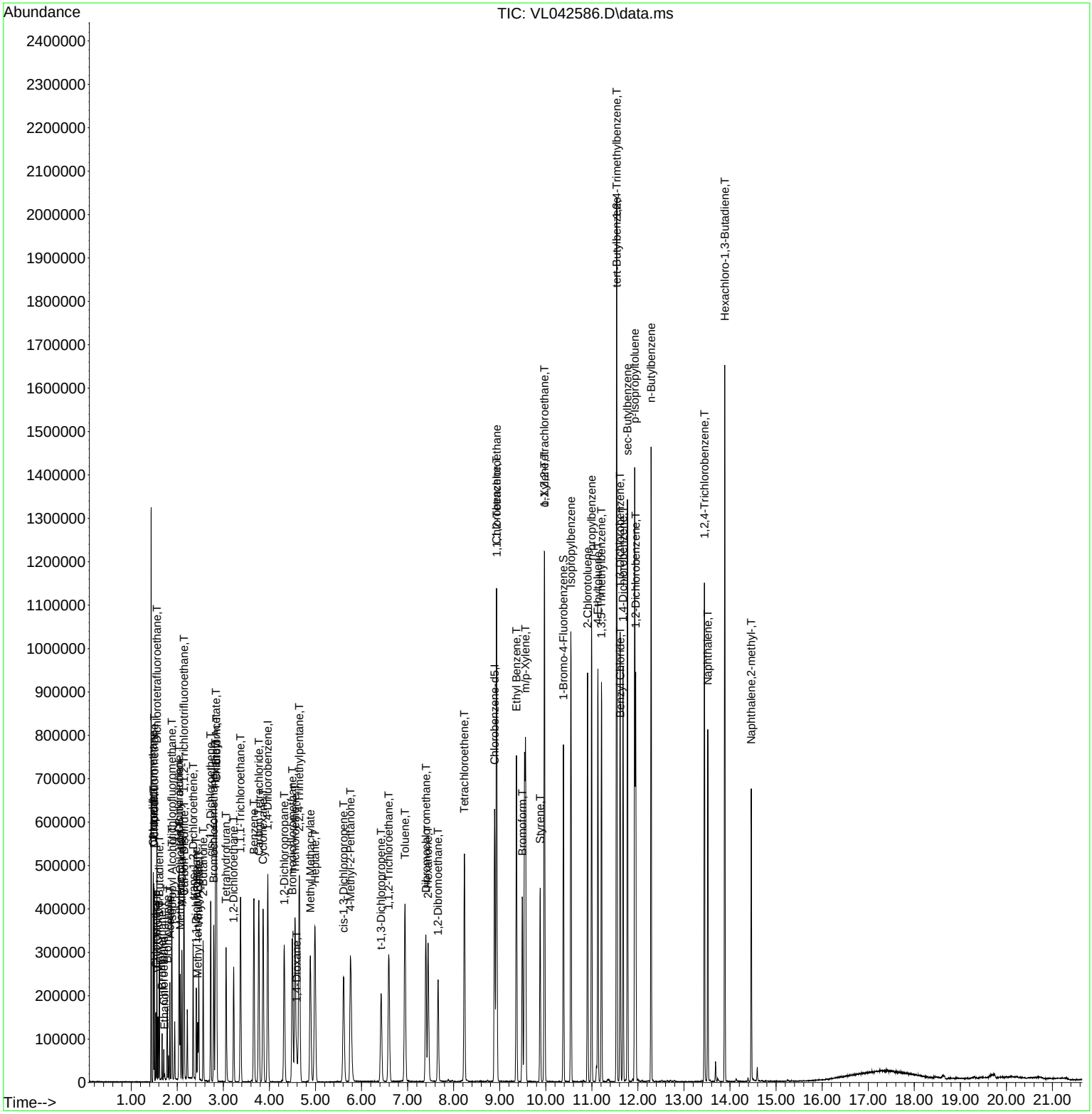
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

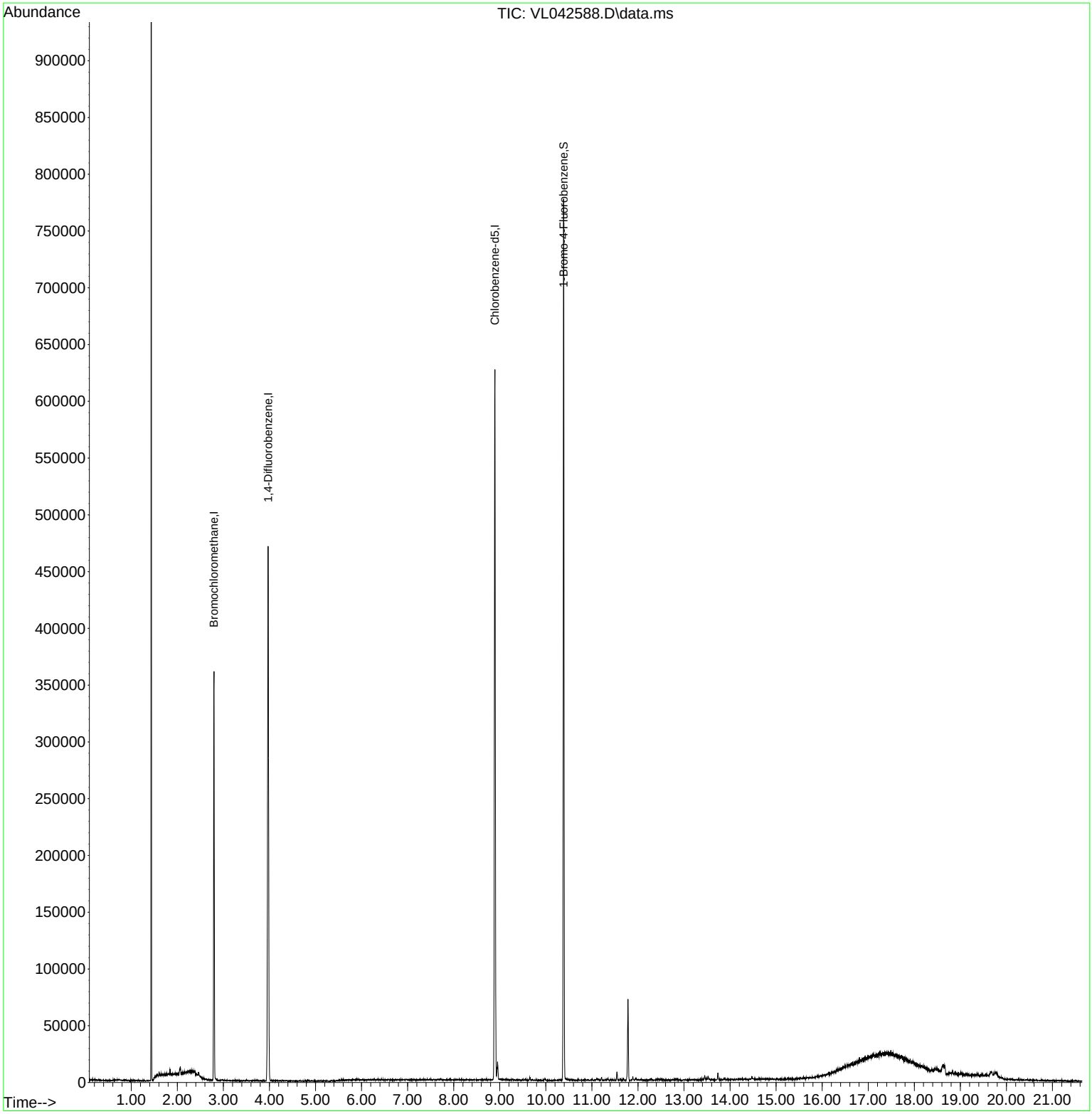
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	102651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	295997	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	264969	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	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

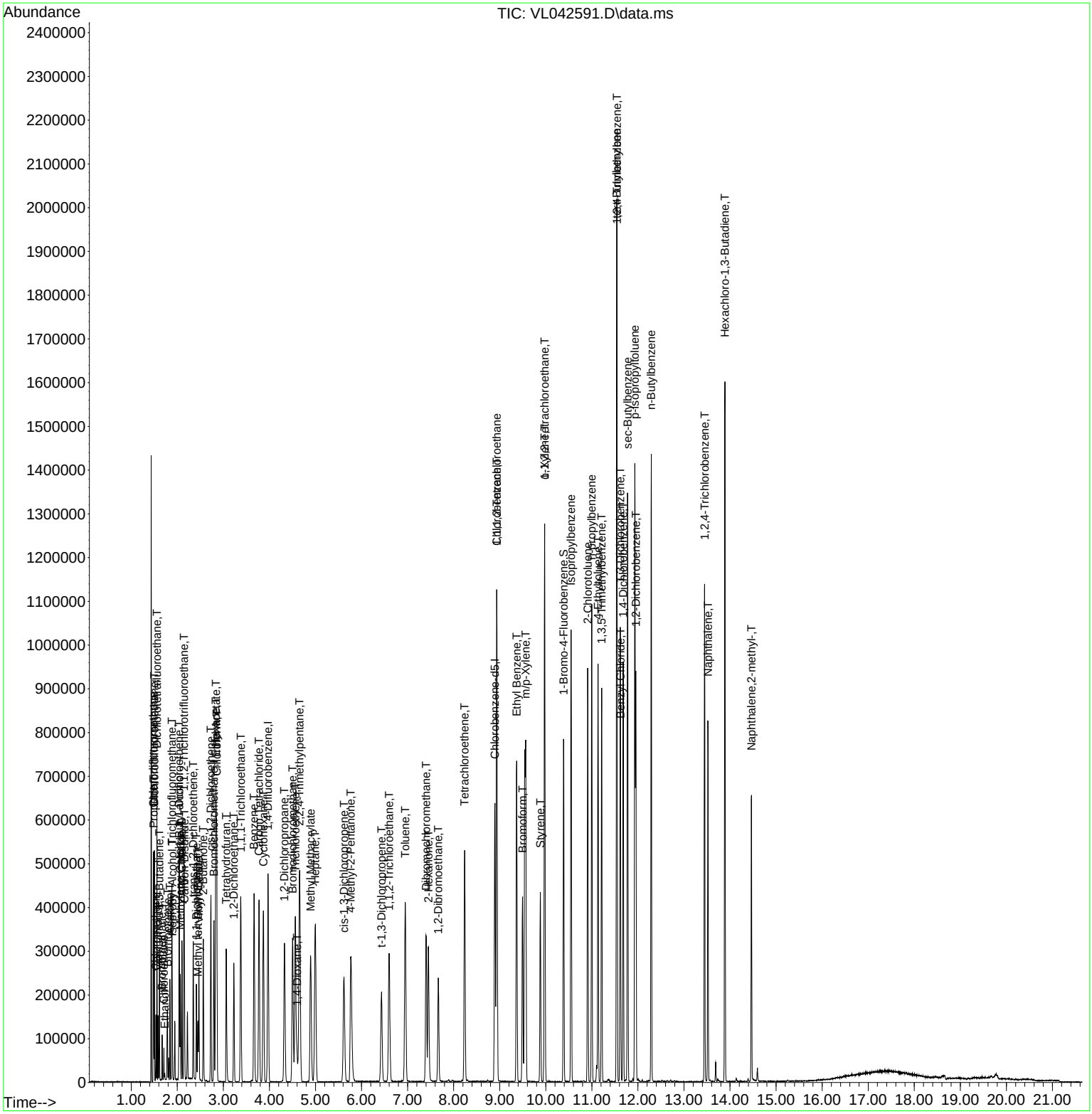
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 : VL042600.D
Acq On : 29 May 2025 23:26
Operator : SY/MD
Sample : QC05225 CAN 10154
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Quant Time: May 30 02:16:06 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

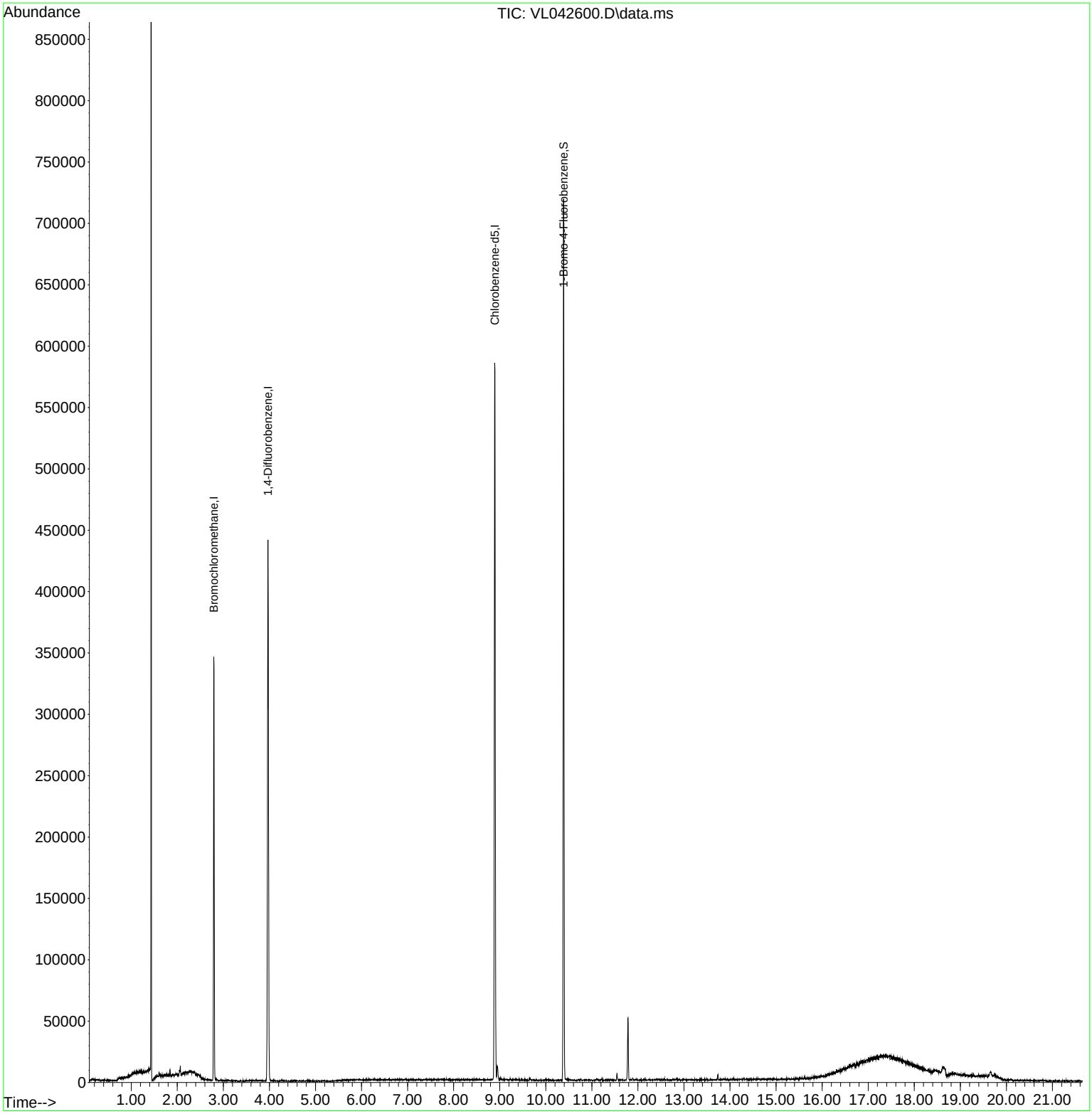
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	98730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	273505	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	245635	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	182369	9.904	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.000%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042600.D
Acq On : 29 May 2025 23:26
Operator : SY/MD
Sample : QC05225 CAN 10154
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC05225 CAN 10154

Quant Time: May 30 02:16:06 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



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

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	

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	159080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	462763	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	422206	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	338271	10.117	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	190592	9.062	ppbv	100
3) Chlorodifluoromethane	1.476	51	258542	9.436	ppbv	100
4) Chloromethane	1.531	50	77006	9.050	ppbv	100
5) Vinyl Chloride	1.580	62	65346	7.773	ppbv	100
6) Bromomethane	1.667	94	28292	8.705	ppbv	100
7) Chloroethane	1.703	64	28085	8.646	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	155875	9.011	ppbv	100
9) Propene	1.483	41	94480	9.488	ppbv	100
10) Heptane	4.975	43	259821	9.701	ppbv	100
11) Trichlorofluoromethane	1.878	101	194964	8.992	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	149612	9.081	ppbv	100
13) Ethanol	1.719	45	7949	9.867	ppbv	97
14) Bromoethene	1.780	108	53625	9.193	ppbv	100
15) Acetone	1.835	43	158714	7.225	ppbv	100
16) 1,3-Butadiene	1.609	39	80968	8.642	ppbv	100
17) tert-Butyl alcohol	2.039	59	185262	9.351	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64224	8.627	ppbv	100
19) Isopropyl Alcohol	1.884	45	104903	8.987	ppbv	100
20) Methylene Chloride	2.059	84	53581	7.740	ppbv	100
21) Allyl Chloride	2.094	41	127021	9.382	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	73152	9.148	ppbv	100
23) Vinyl Acetate	2.460	43	271125	10.181	ppbv	100
24) 1,1-Dichloroethane	2.408	63	150257	9.141	ppbv	100
25) Ethyl Acetate	2.832	43	469997	9.666	ppbv	100
26) Hexane	2.826	57	203800	9.555	ppbv	100
27) Carbon Disulfide	2.149	76	173105	9.480	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	88372	8.770	ppbv	100
29) Chloroform	2.845	83	304670	9.244	ppbv	100
30) Cyclohexane	3.852	84	178948	9.892	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	207751	9.479	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	311368	9.069	ppbv	100
34) 2-Butanone	2.554	43	306858	9.361	ppbv	100
35) Carbon Tetrachloride	3.758	117	324501	9.436	ppbv	100
36) Benzene	3.654	78	414863	9.459	ppbv	100
37) 1,2-Dichloroethane	3.217	62	248414	9.403	ppbv	100
38) Trichloroethene	4.545	130	188750	8.926	ppbv	100
39) 1,2-Dichloropropane	4.311	63	149771	9.251	ppbv	100
40) 1,4-Dioxane	4.580	88	65413	8.569	ppbv #	100
41) Tetrahydrofuran	3.049	42	167323	10.160	ppbv	100
42) Bromodichloromethane	4.483	83	334531	9.713	ppbv	100
43) Methyl Methacrylate	4.875	69	161053	10.331	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	687885	9.623	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185965	10.633	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

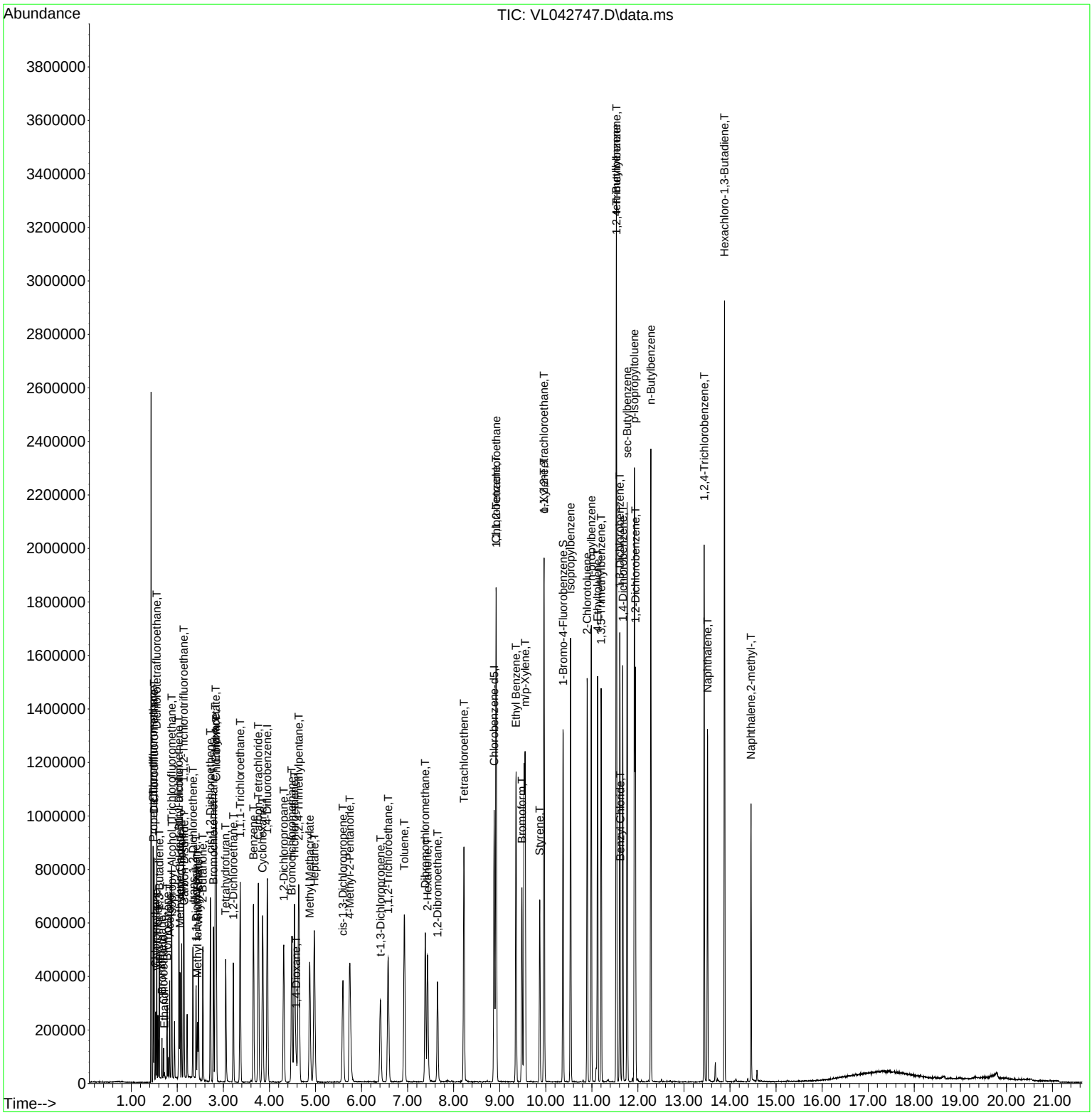
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	234594	10.587	ppbv		100
47) 1,1,2-Trichloroethane	6.580	97	160431	9.297	ppbv		100
48) Dibromochloromethane	7.383	129	277832	10.141	ppbv		100
49) Bromoform	9.480	173	244997	10.256	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	413966	9.914	ppbv		100
51) 2-Hexanone	7.432	43	336048	10.532	ppbv		100
52) Tetrachloroethene	8.225	164	156930	8.609	ppbv		100
53) Toluene	6.930	91	472953	10.042	ppbv		100
54) 1,2-Dibromoethane	7.648	107	238045	9.745	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.924	131	204205	9.302	ppbv		100
57) Chlorobenzene	8.920	112	371117	9.082	ppbv		100
58) Ethyl Benzene	9.354	91	655020	9.824	ppbv		100
59) m/p-Xylene	9.552	91	460477	8.639	ppbv	#	11
60) o-Xylene	9.963	91	517292	9.715	ppbv		100
61) Styrene	9.869	104	236709	10.568	ppbv		100
62) Isopropylbenzene	10.539	105	757219	9.641	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	292568	8.434	ppbv		100
64) n-propylbenzene	10.989	120	198109	9.675	ppbv		100
65) tert-Butylbenzene	11.529	119	678174	9.721	ppbv		100
66) Benzyl Chloride	11.617	91	66954	11.691	ppbv		100
67) sec-Butylbenzene	11.765	105	939396	9.468	ppbv		100
69) p-Isopropyltoluene	11.924	119	814010	10.061	ppbv		100
70) n-Butylbenzene	12.280	91	818457	10.473	ppbv		100
71) 2-Chlorotoluene	10.898	91	584629	9.708	ppbv		100
72) 4-Ethyltoluene	11.125	105	643519	10.120	ppbv		100
73) 1,3,5-Trimethylbenzene	11.202	105	538451	10.285	ppbv		100
74) 1,2,4-Trimethylbenzene	11.536	105	584447	10.232	ppbv		100
75) 1,3-Dichlorobenzene	11.607	146	374587	9.355	ppbv		100
76) 1,4-Dichlorobenzene	11.672	146	378093	9.649	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	358206	9.102	ppbv		100
78) Hexachloro-1,3-Butadiene	13.879	225	300801	8.444	ppbv		100
79) Naphthalene	13.513	128	598108	9.665	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	289412	9.404	ppbv		100
81) 1,2,4-Trichlorobenzene	13.439	180	337776	9.710	ppbv		100

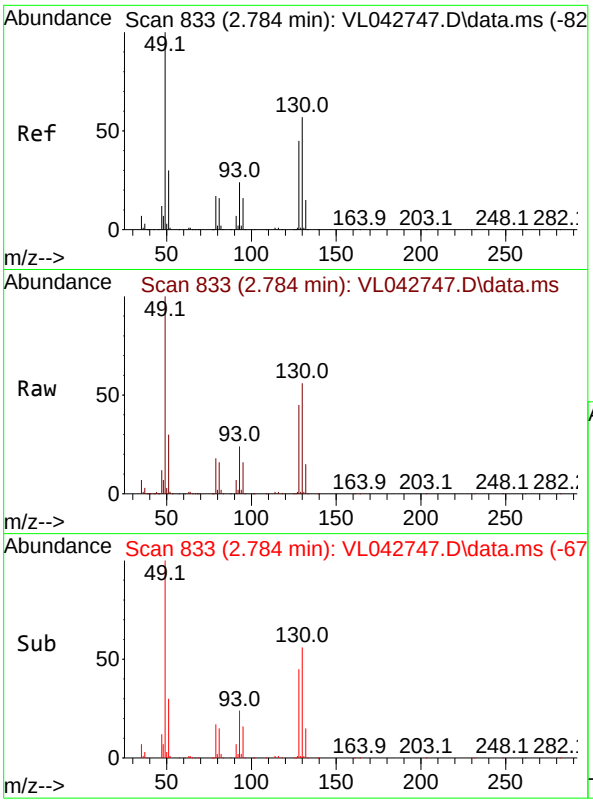
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042747.D
Acq On : 23 Jul 2025 08:58
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 24 04:56:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



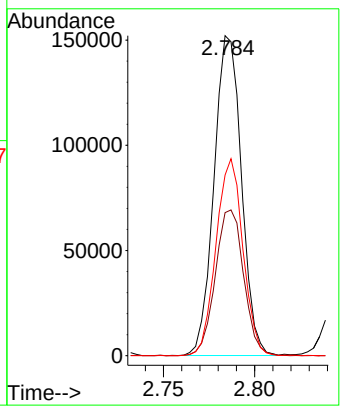


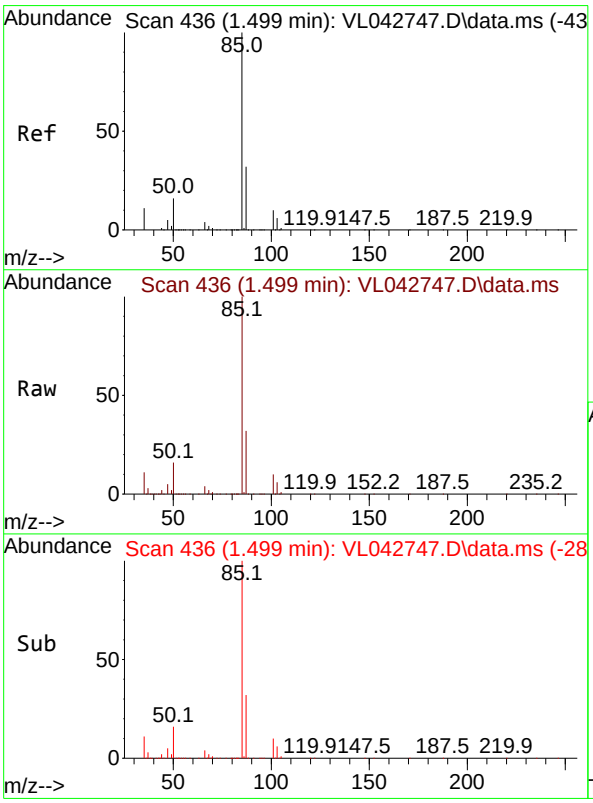
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 159080

Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.6	71.0
130	60.5	30.3	90.8

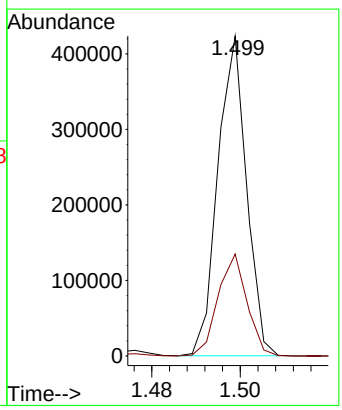


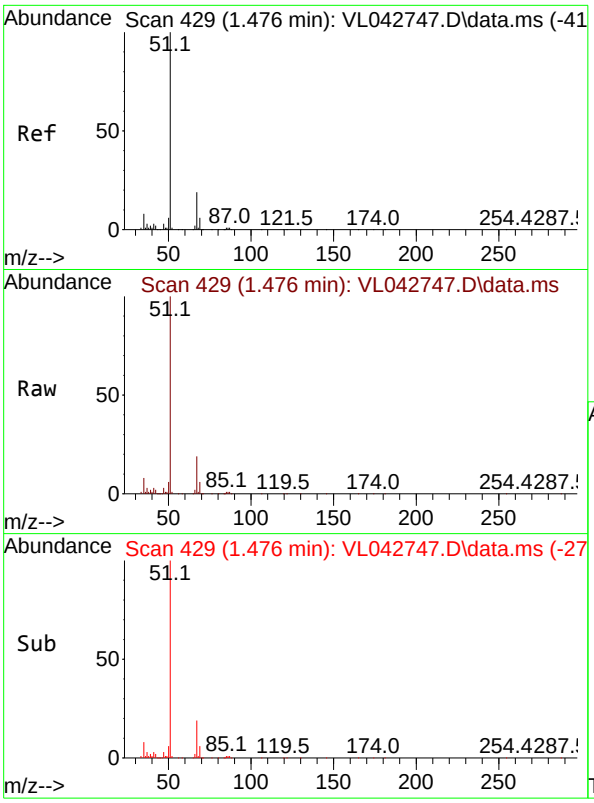


#2
Dichlorodifluoromethane
Concen: 9.062 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 190592

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2



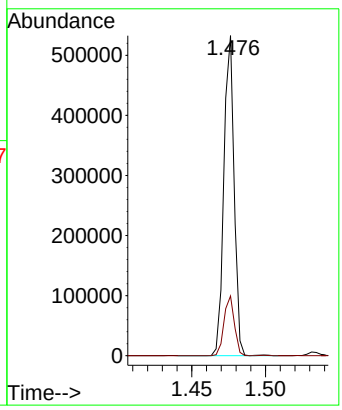


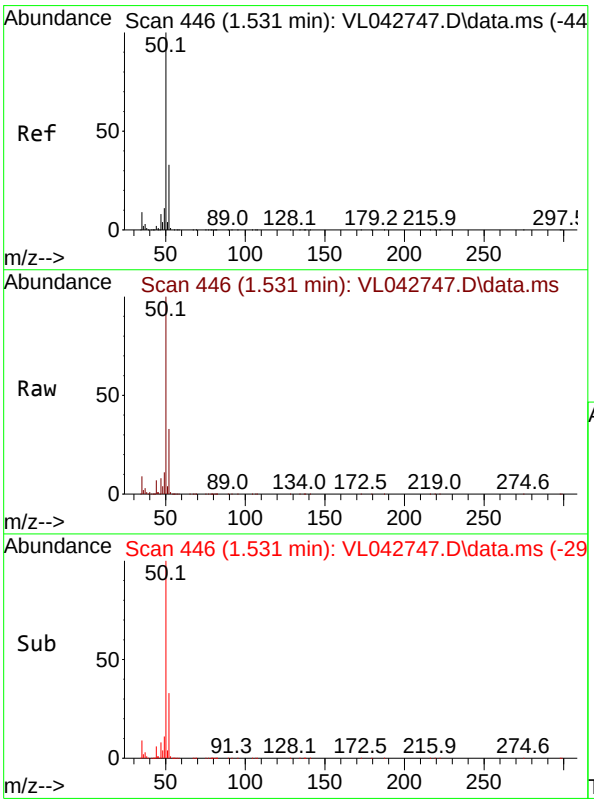
#3
Chlorodifluoromethane
Concen: 9.436 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 258542

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6

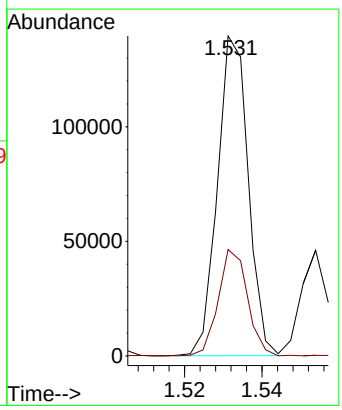


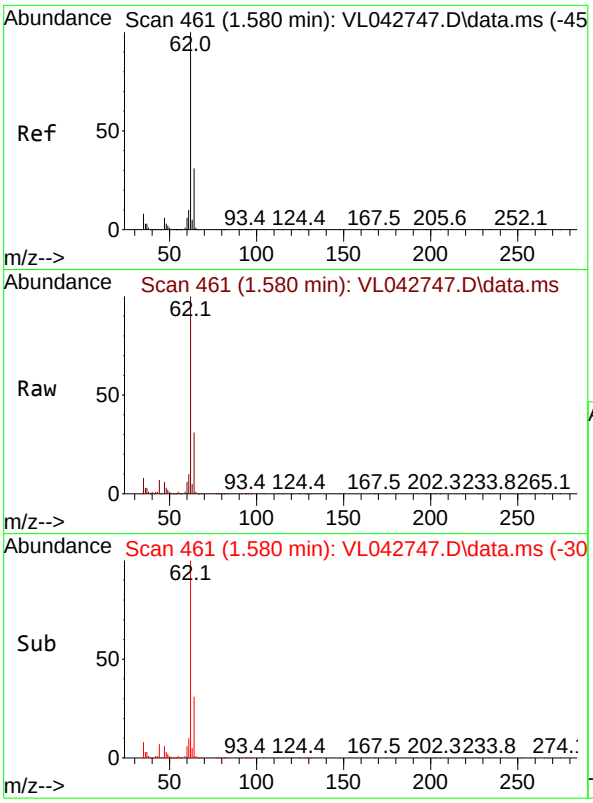


#4
Chloromethane
Concen: 9.050 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 50 Resp: 77006

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	40.0



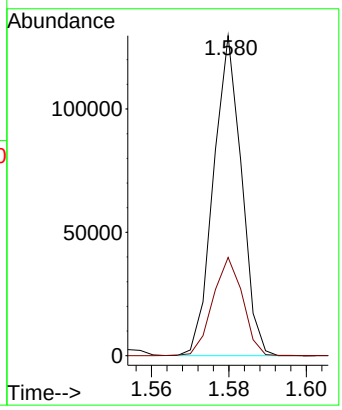


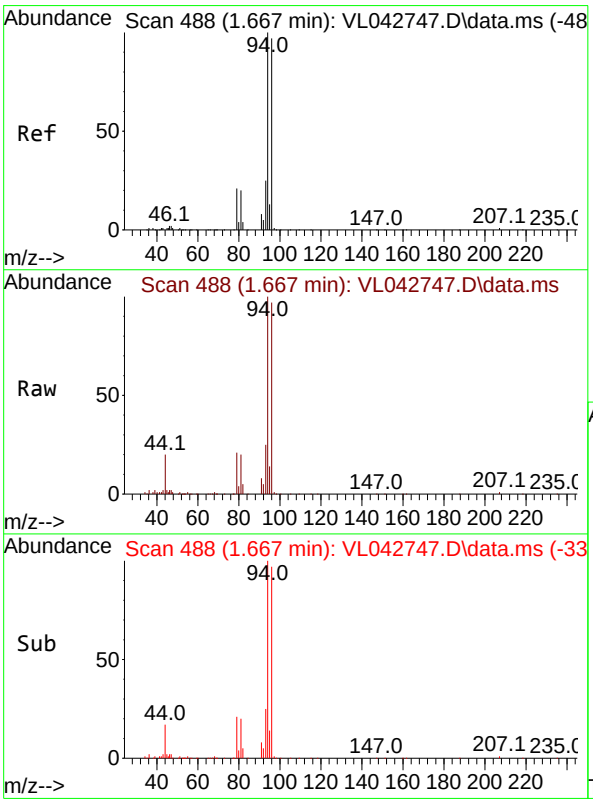
#5
Vinyl Chloride
Concen: 7.773 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 65346

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7

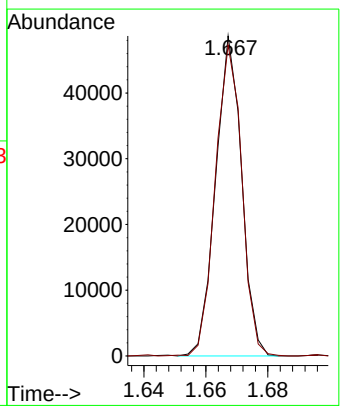


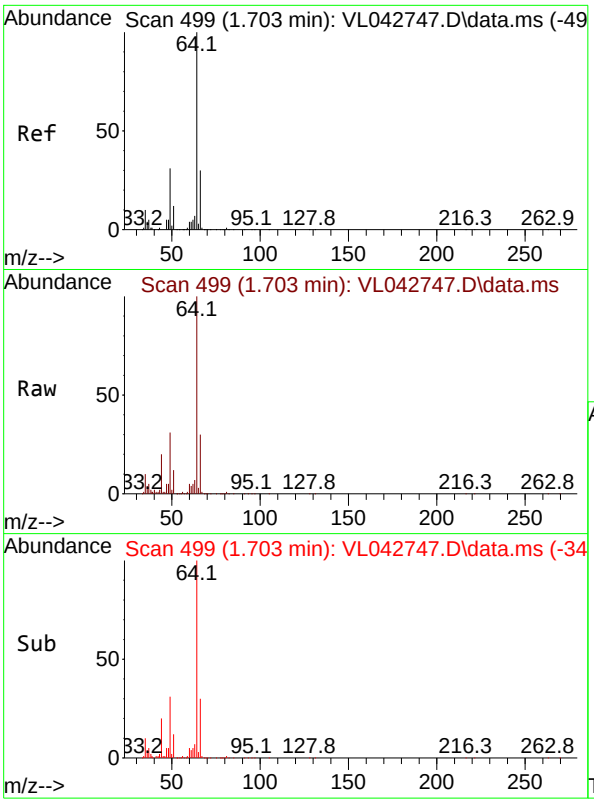


#6
Bromomethane
Concen: 8.705 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 94 Resp: 28292

Ion	Ratio	Lower	Upper
94	100		
96	97.0	77.6	116.4



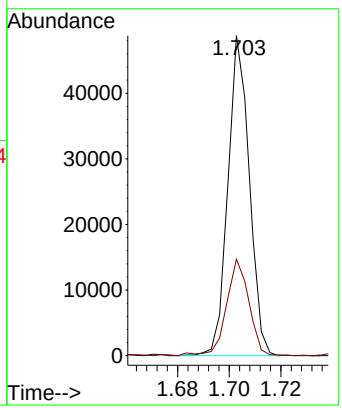


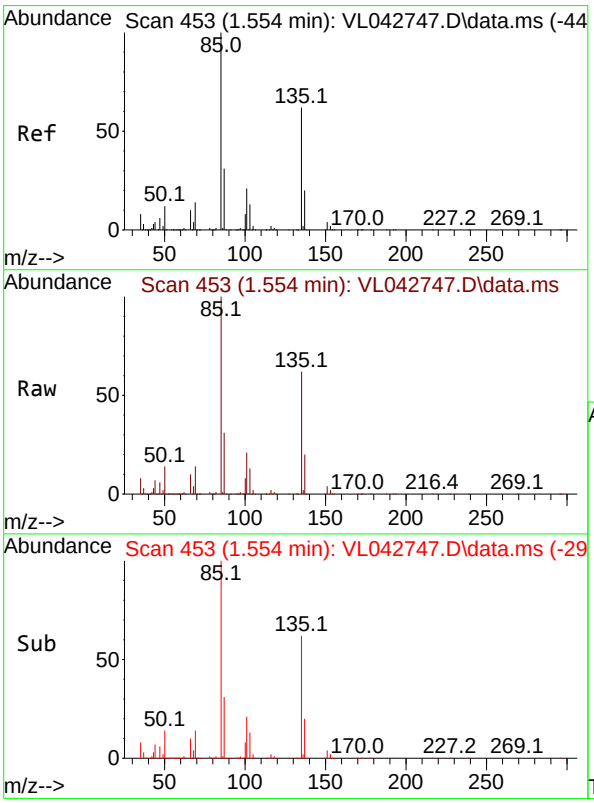
#7
Chloroethane
Concen: 8.646 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 28085

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.1	36.1

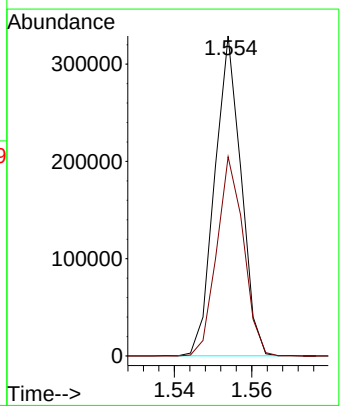


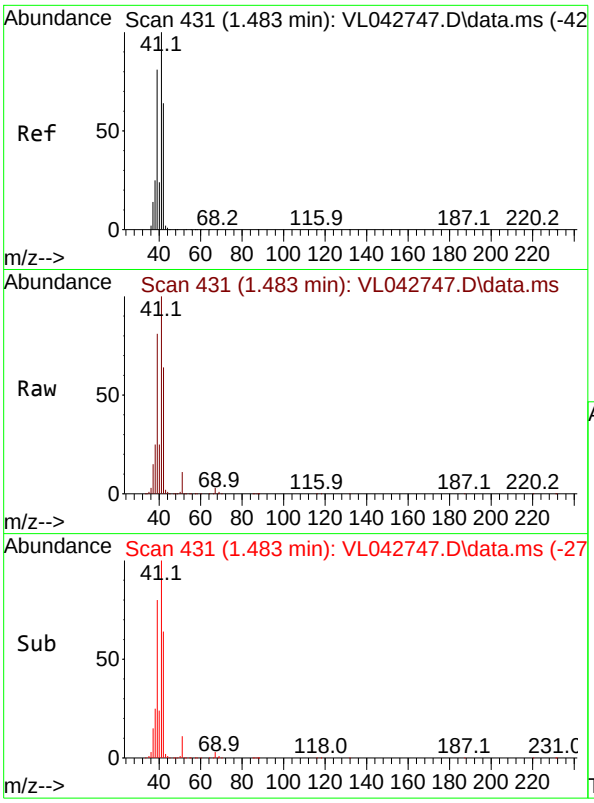


#8
Dichlorotetrafluoroethane
Concen: 9.011 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 85 Resp: 155875

Ion	Ratio	Lower	Upper
85	100		
135	63.3	50.6	76.0



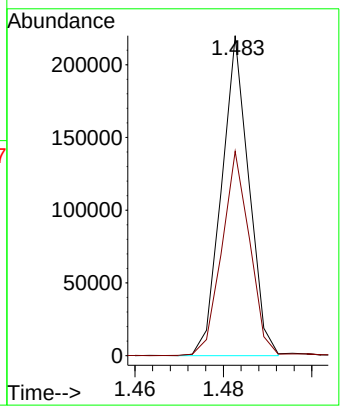


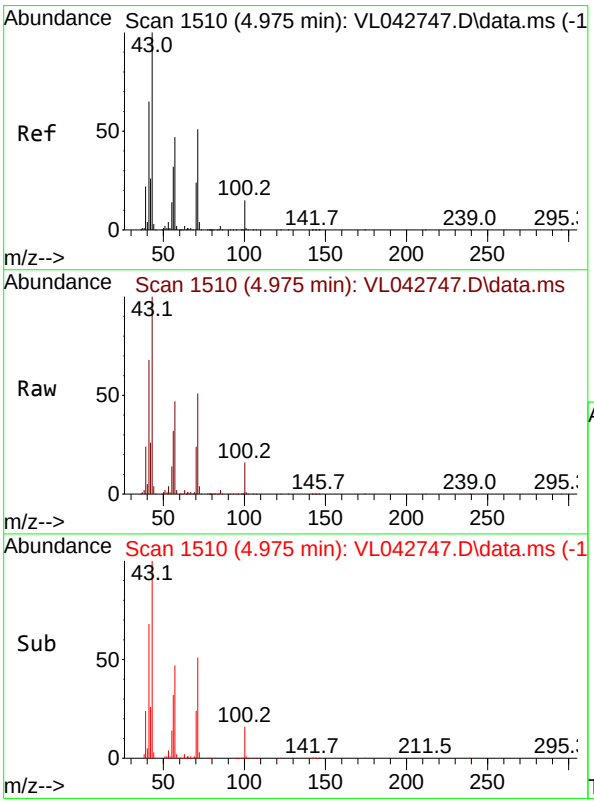
#9
Propene
Concen: 9.488 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 94480

Ion	Ratio	Lower	Upper
41	100		
42	66.5	53.2	79.8

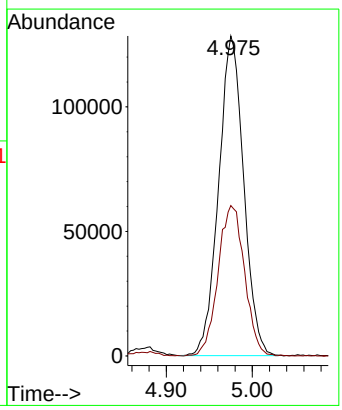


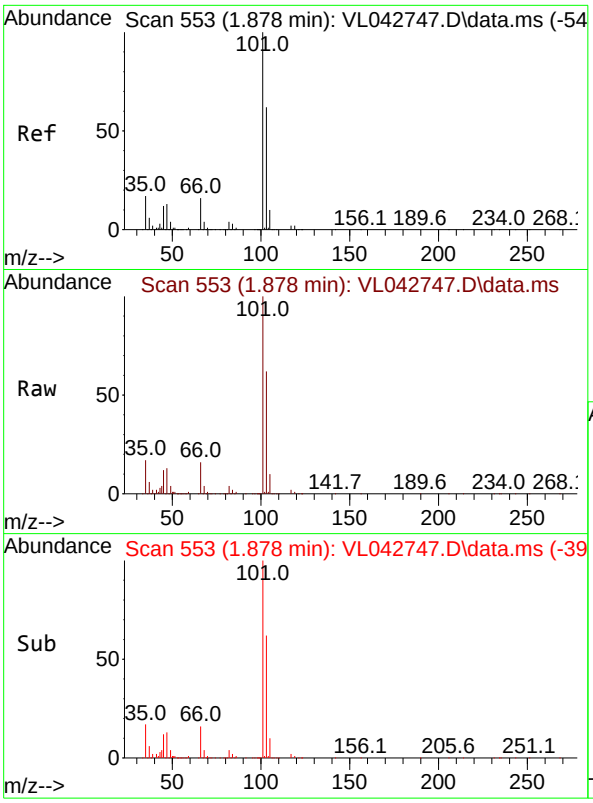


#10
Heptane
Concen: 9.701 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 259821

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.9	59.9



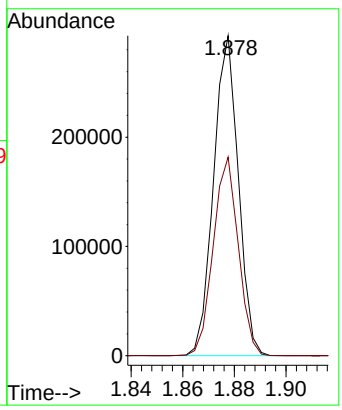


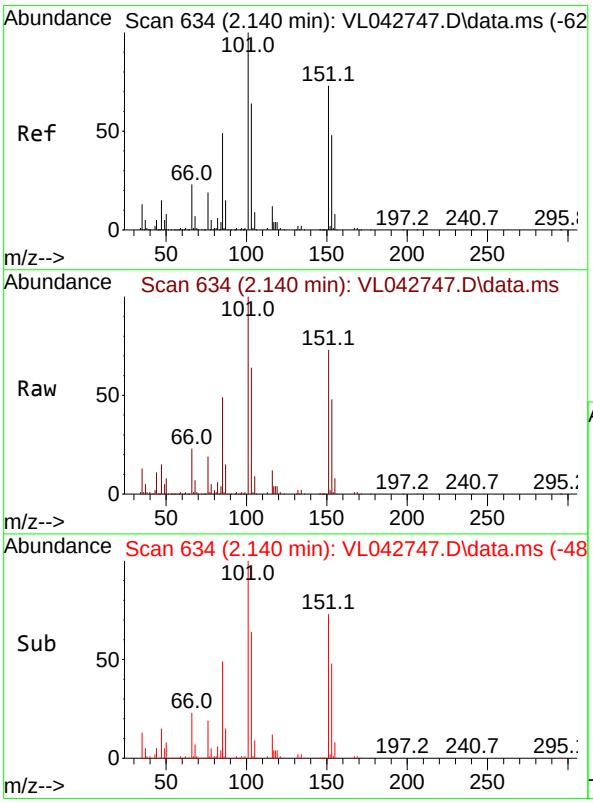
#11
Trichlorofluoromethane
Concen: 8.992 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 194964

Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.6	74.4

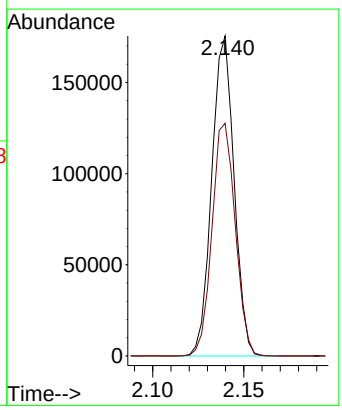


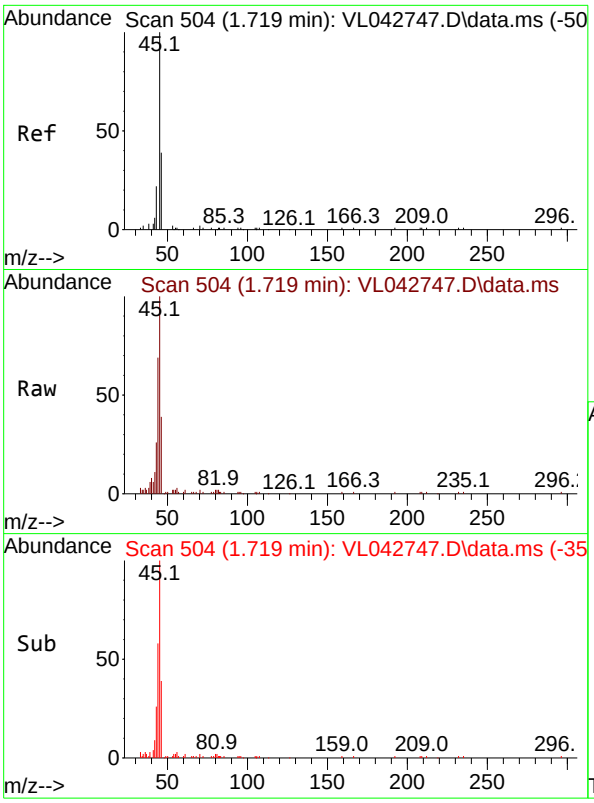


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.081 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:101 Resp: 149612

Ion	Ratio	Lower	Upper
101	100		
151	75.6	60.5	90.7



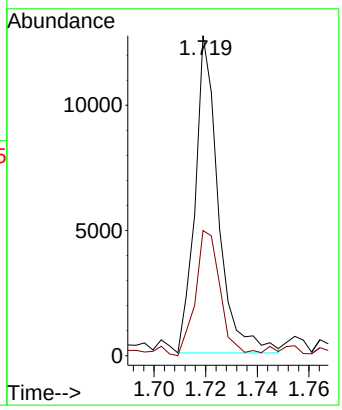


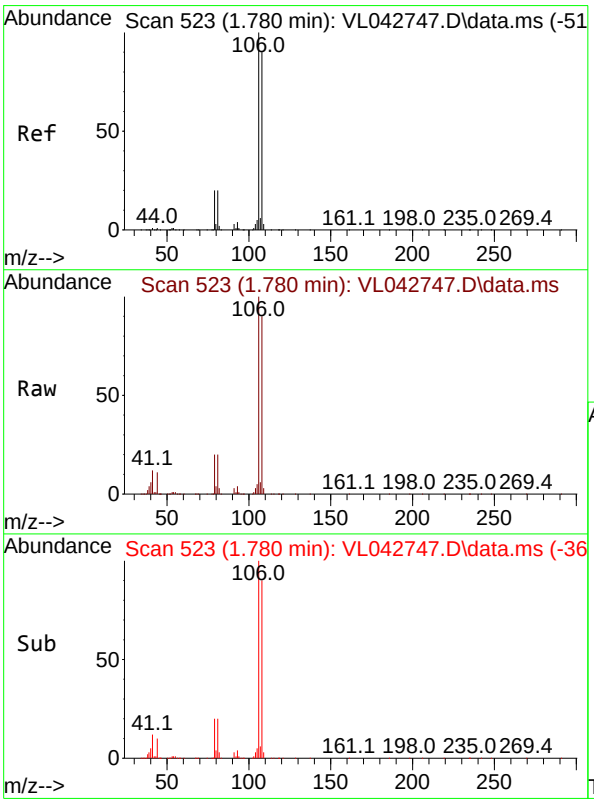
#13
Ethanol
Concen: 9.867 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 7949

Ion	Ratio	Lower	Upper
45	100		
46	46.5	17.8	71.4

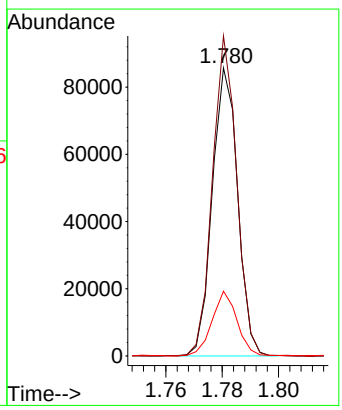


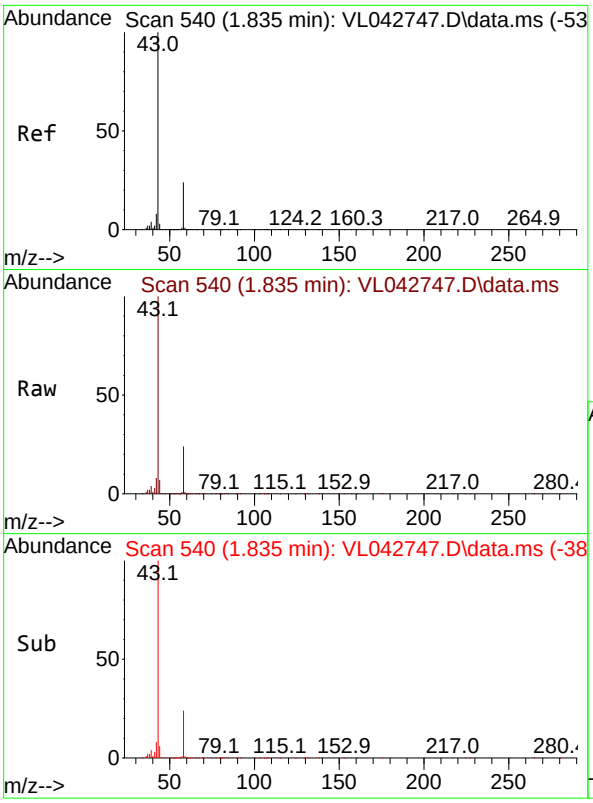


#14
Bromoethene
Concen: 9.193 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:108 Resp: 53625

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.7	127.1
79	21.8	17.4	26.2



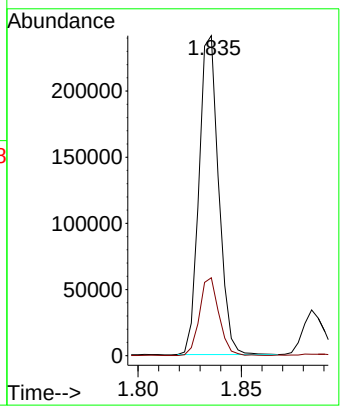


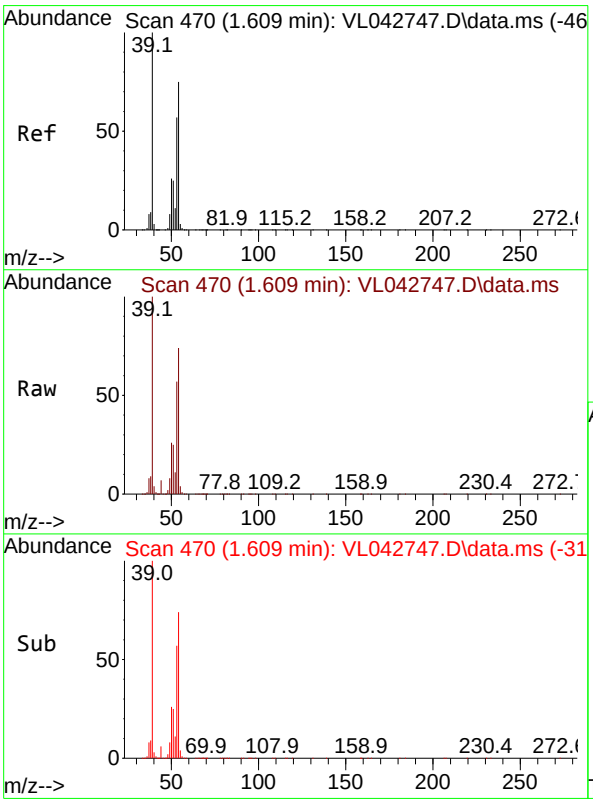
#15
Acetone
Concen: 7.225 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 158714

Ion	Ratio	Lower	Upper
43	100		
58	24.8	19.8	29.8

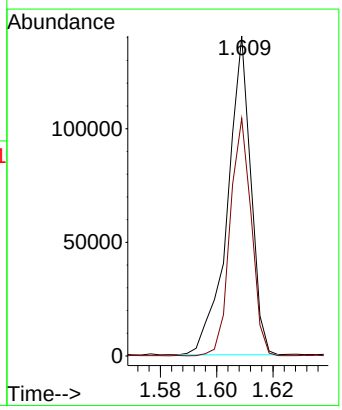


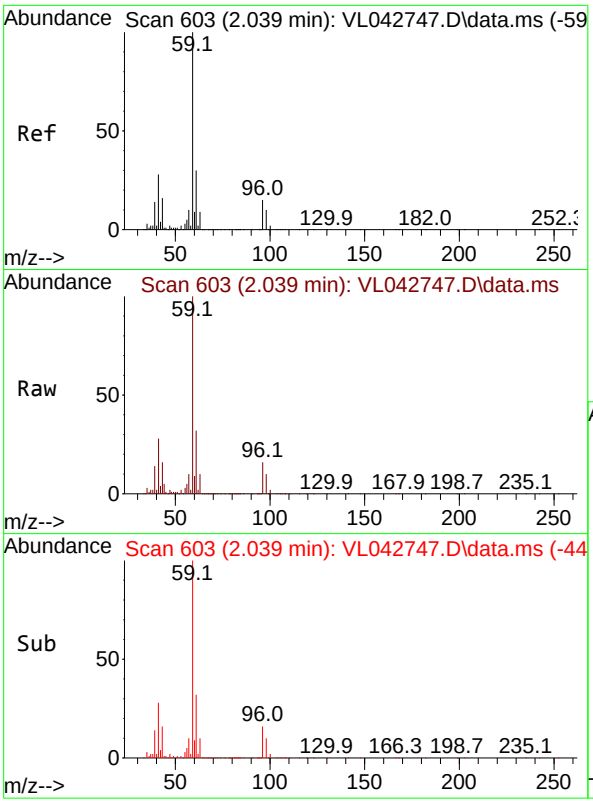


#16
1,3-Butadiene
Concen: 8.642 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 39 Resp: 80968

Ion	Ratio	Lower	Upper
39	100		
54	68.1	54.5	81.7



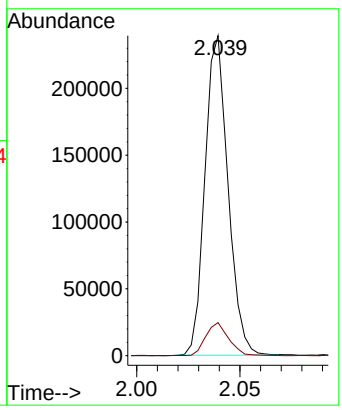


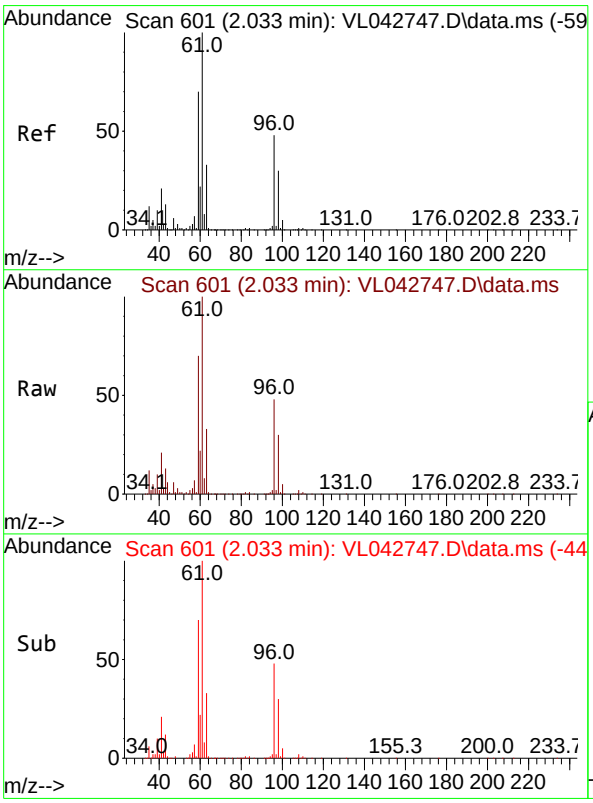
#17
tert-Butyl alcohol
Concen: 9.351 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 185262

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

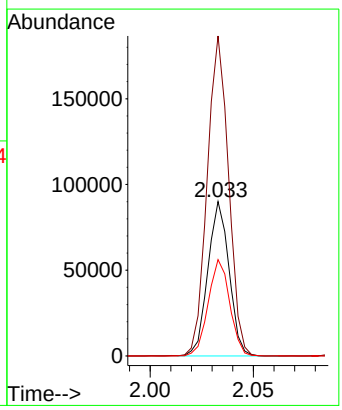


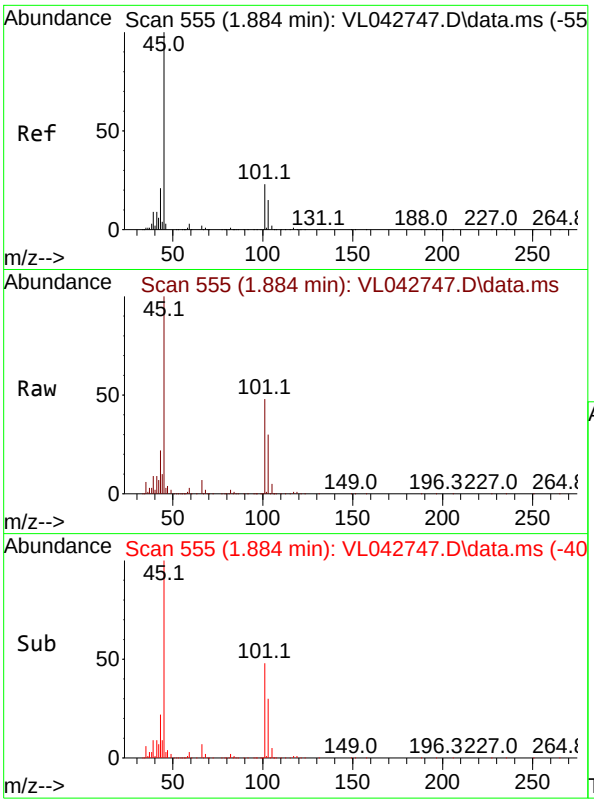


#18
1,1-Dichloroethene
Concen: 8.627 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 64224

Ion	Ratio	Lower	Upper
96	100		
61	207.2	165.8	248.6
98	62.4	49.9	74.9



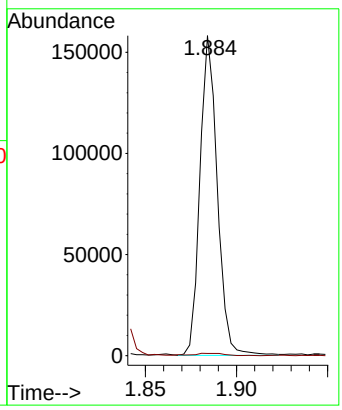


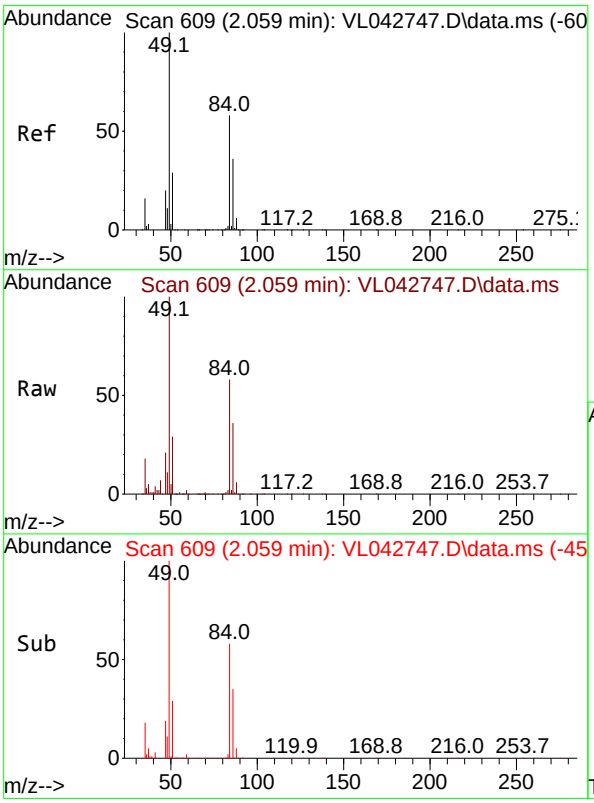
#19
Isopropyl Alcohol
Concen: 8.987 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 104903

Ion	Ratio	Lower	Upper
45	100		
58	37.5	30.0	45.0

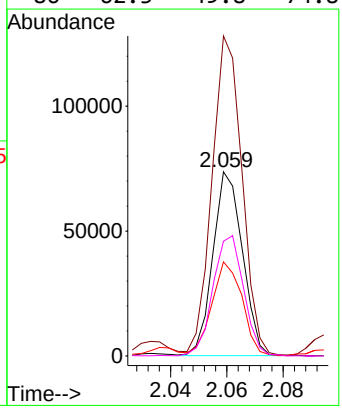


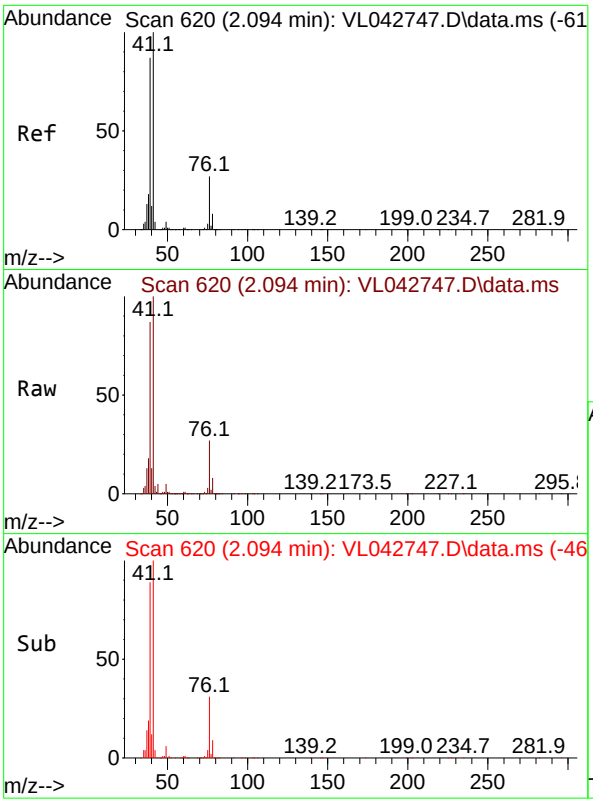


#20
Methylene Chloride
Concen: 7.740 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 53581

Ion	Ratio	Lower	Upper
84	100		
49	173.3	138.6	208.0
51	50.8	40.6	61.0
86	62.3	49.8	74.8



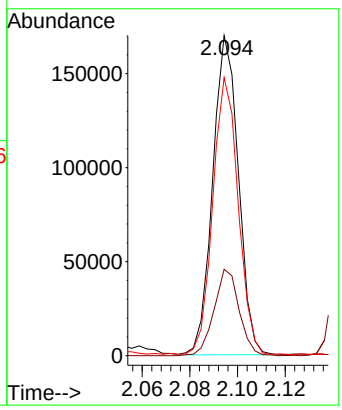


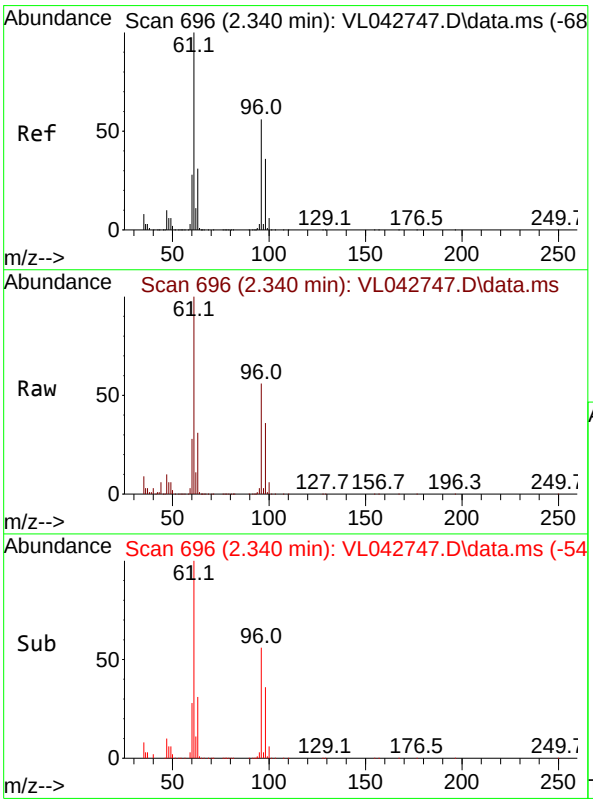
#21
Allyl Chloride
Concen: 9.382 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 127021

Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.1	31.7
39	85.4	68.3	102.5

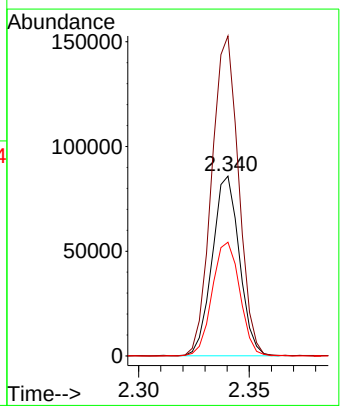


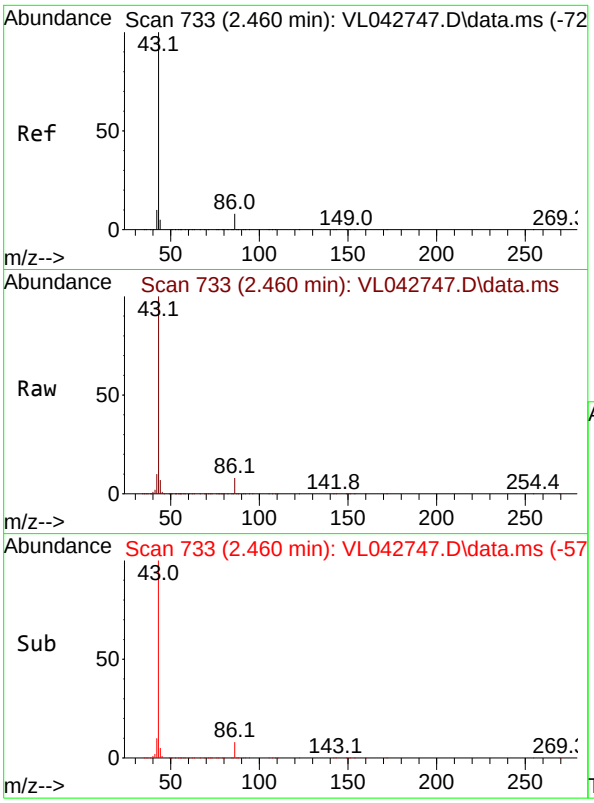


#22
trans-1,2-Dichloroethene
Concen: 9.148 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 96 Resp: 73152

Ion	Ratio	Lower	Upper
96	100		
61	177.9	142.3	213.5
98	63.3	50.6	76.0



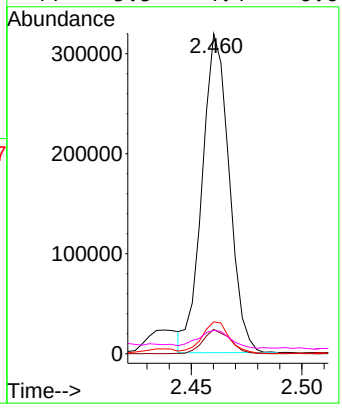


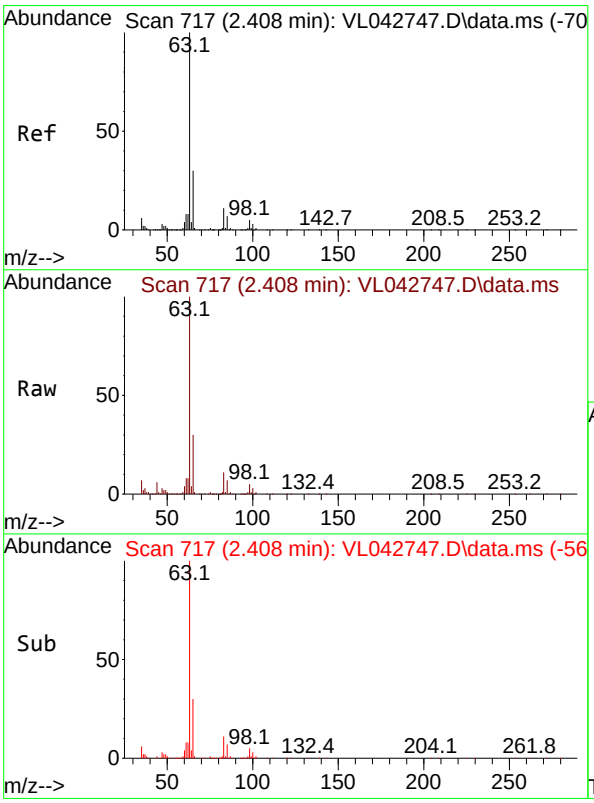
#23
Vinyl Acetate
Concen: 10.181 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 271125

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	9.8	7.8	11.8
44	5.5	4.4	6.6

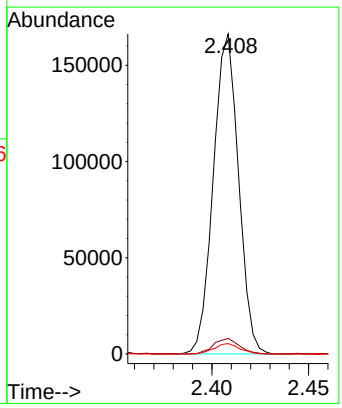


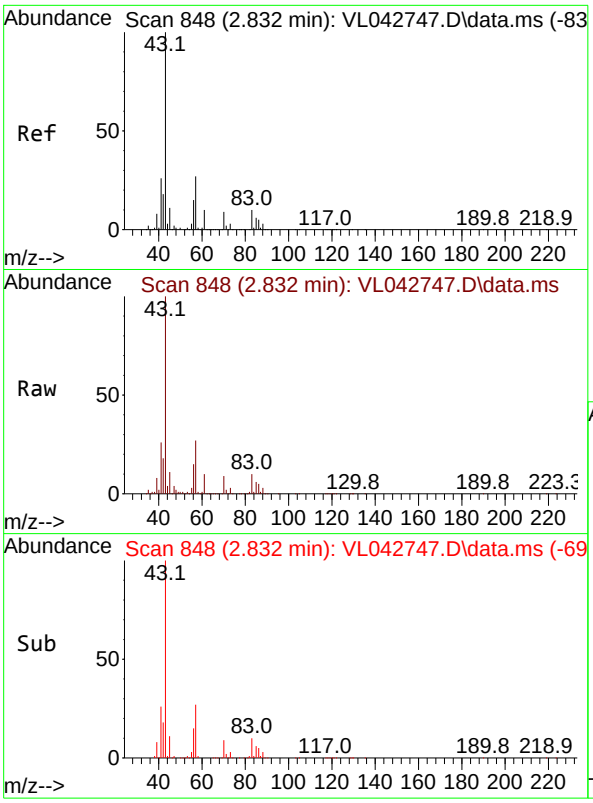


#24
1,1-Dichloroethane
Concen: 9.141 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 63 Resp: 150257

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	3.2	1.6	4.8



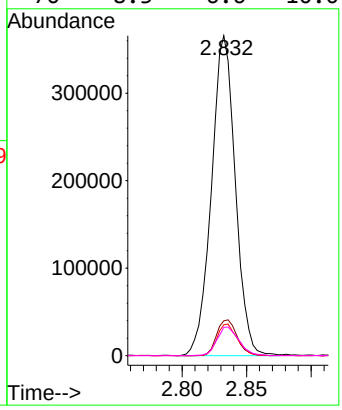


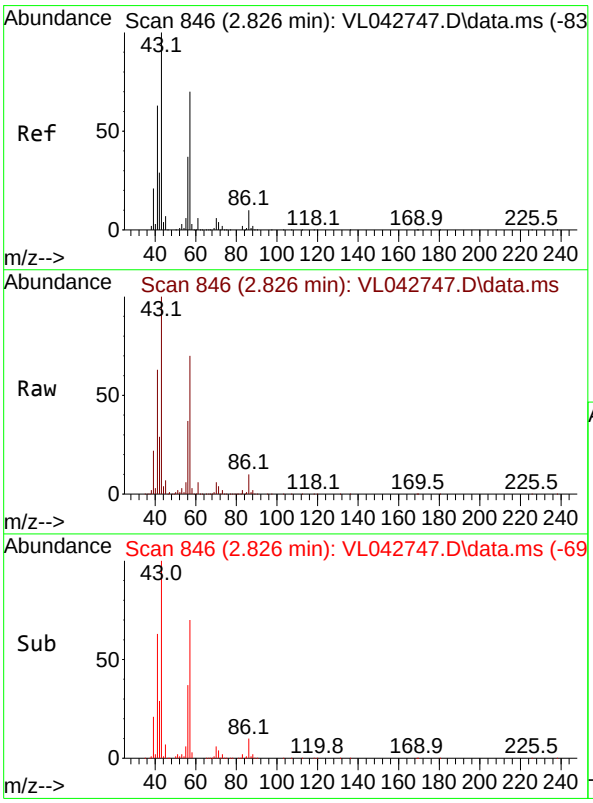
#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 469997

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.4	6.7	10.1
70	8.3	6.6	10.0

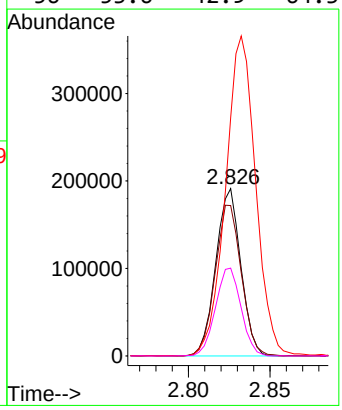


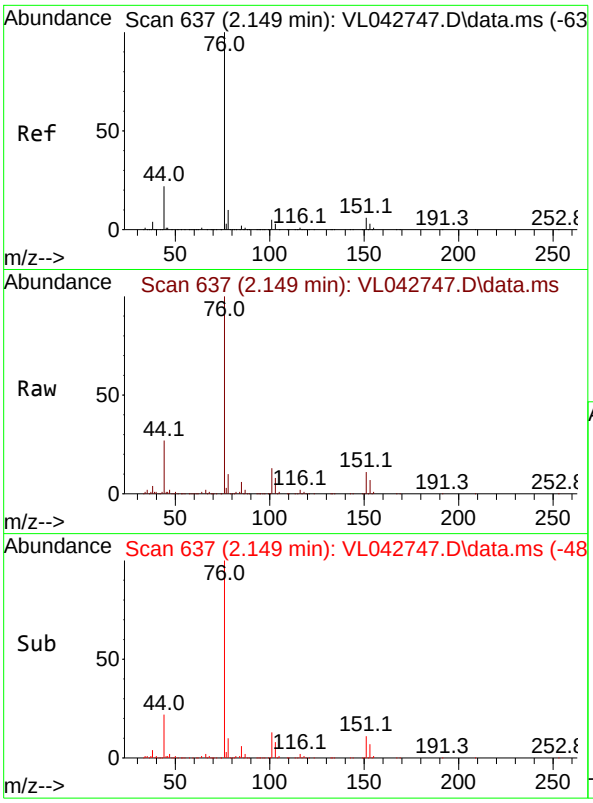


#26
Hexane
Concen: 9.555 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 203800

Ion	Ratio	Lower	Upper
57	100		
41	94.3	75.4	113.2
43	231.3	185.0	277.6
56	53.6	42.9	64.3



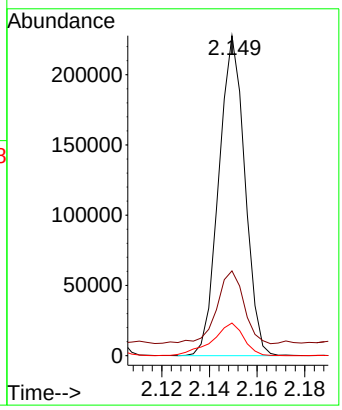


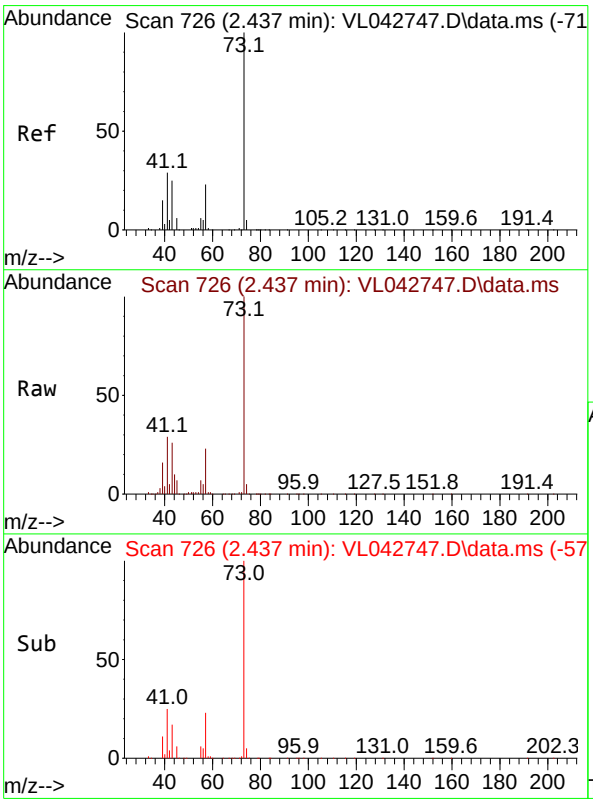
#27
Carbon Disulfide
Concen: 9.480 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 173105

Ion	Ratio	Lower	Upper
76	100		
44	24.1	19.3	28.9
78	12.4	9.9	14.9

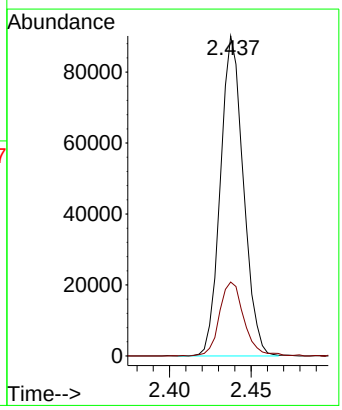


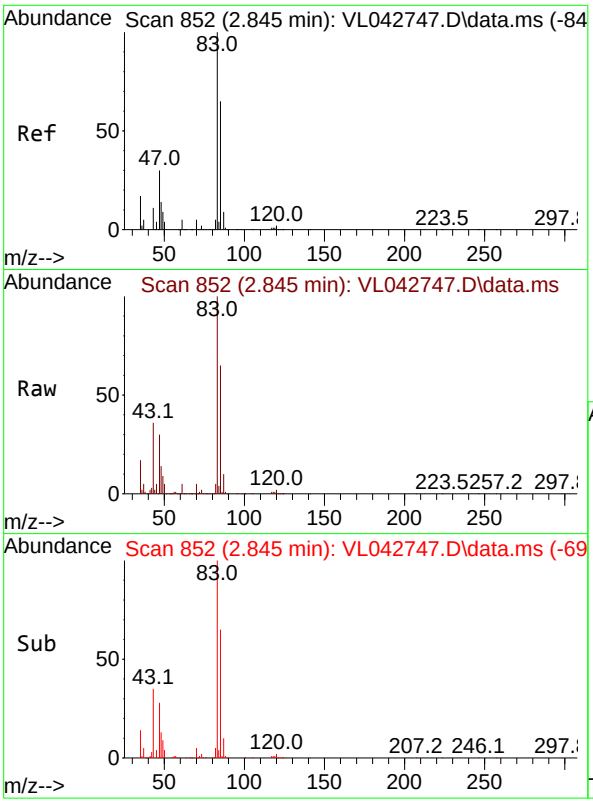


#28
Methyl tert-Butyl Ether
Concen: 8.770 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 73 Resp: 88372

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.8



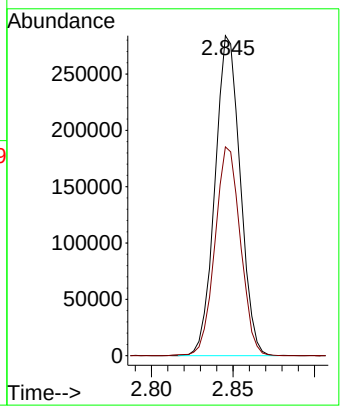


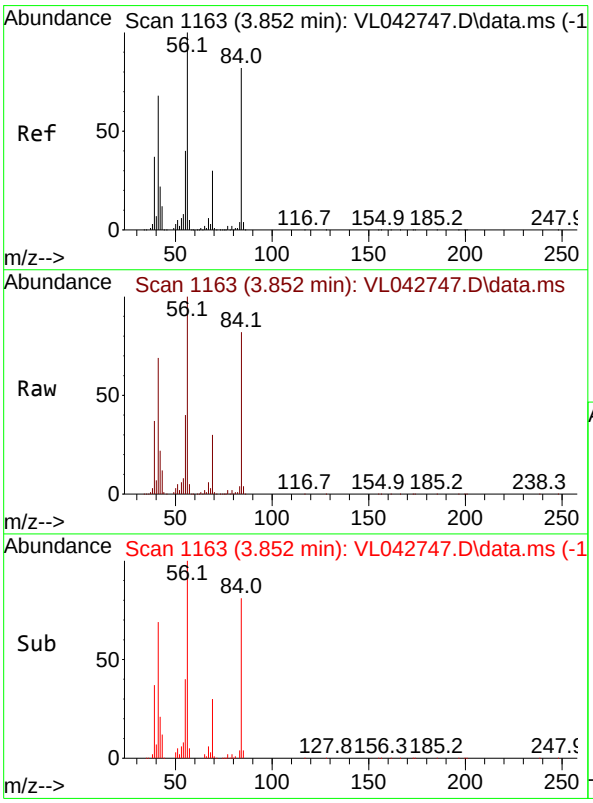
#29
Chloroform
Concen: 9.244 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 304670

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2

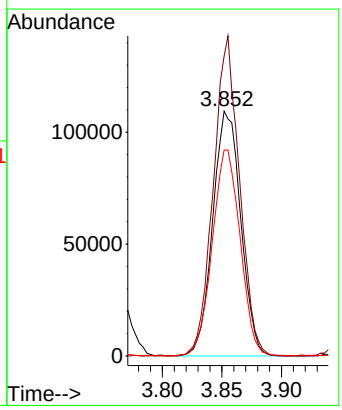


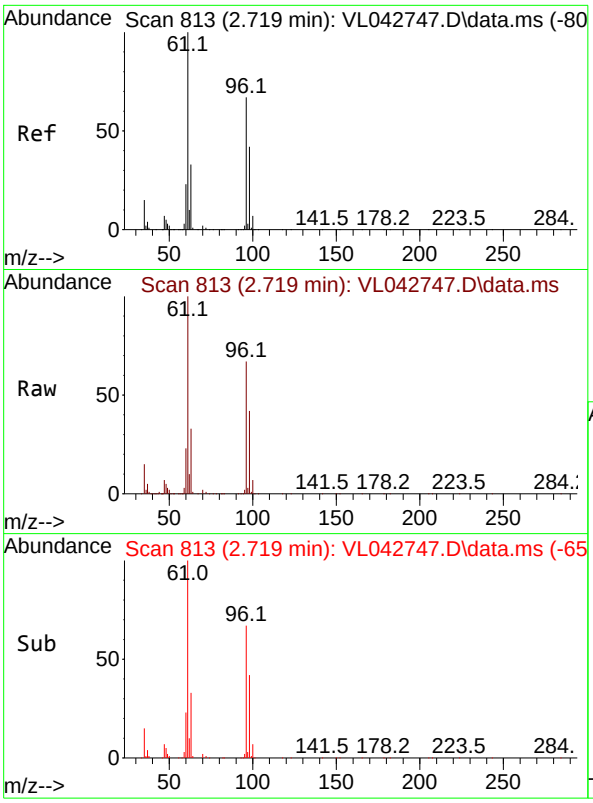


#30
Cyclohexane
Concen: 9.892 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 84 Resp: 178948

Ion	Ratio	Lower	Upper
84	100		
56	121.9	97.5	146.3
41	84.0	67.2	100.8



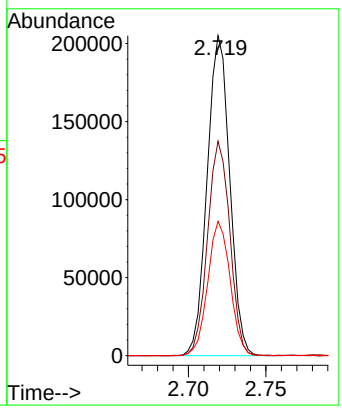


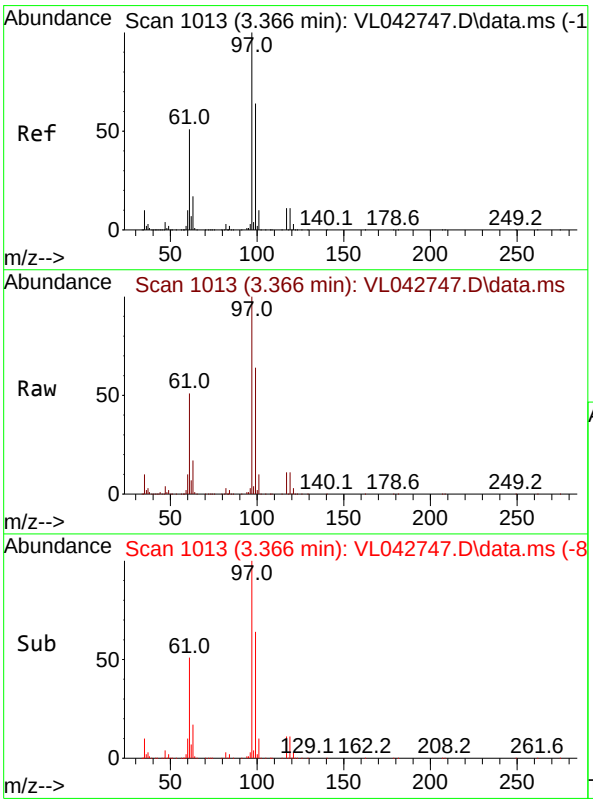
#31
cis-1,2-Dichloroethene
Concen: 9.479 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 207751

Ion	Ratio	Lower	Upper
61	100		
96	66.9	53.5	80.3
98	42.0	33.6	50.4

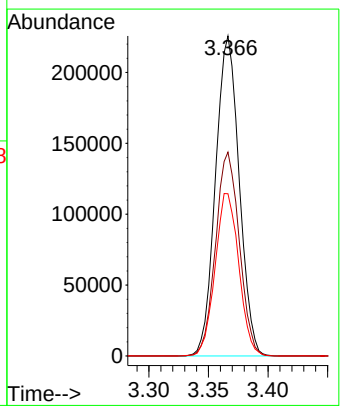


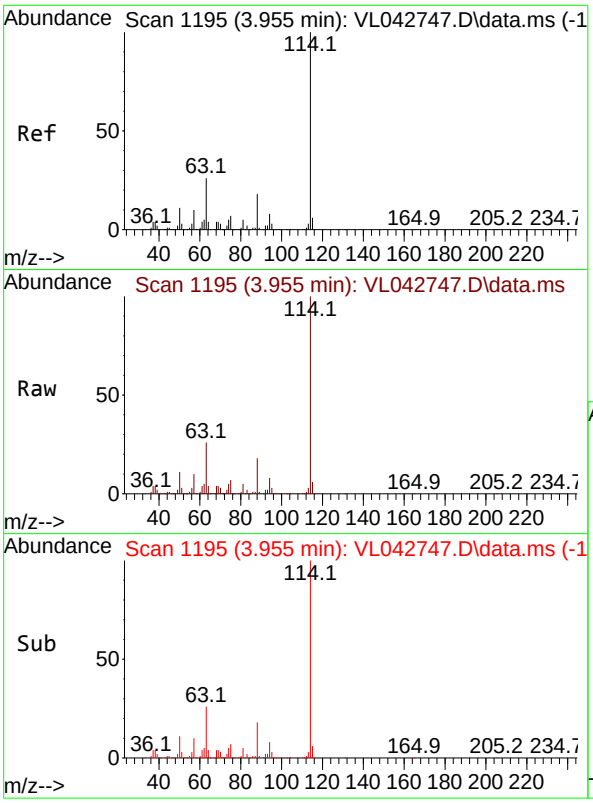


#32
1,1,1-Trichloroethane
Concen: 9.069 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 97 Resp: 311368

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	51.1	40.9	61.3



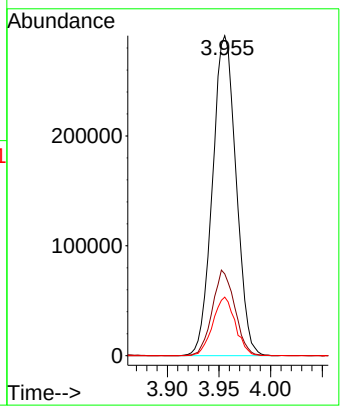


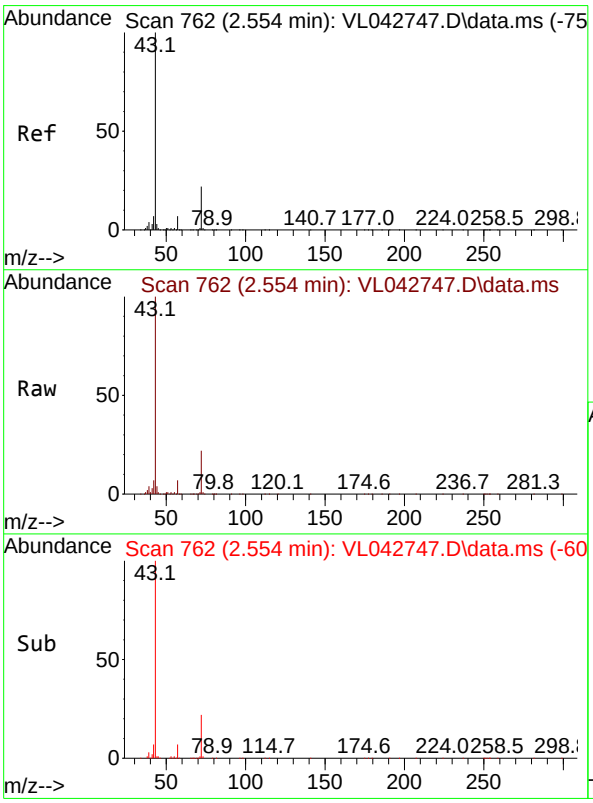
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 462763

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.5	14.0	21.0

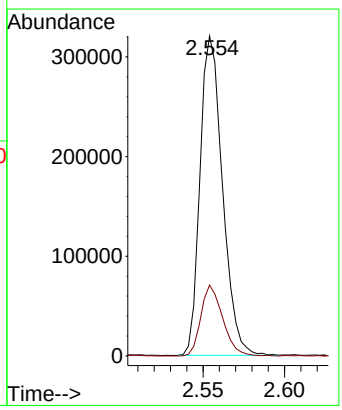


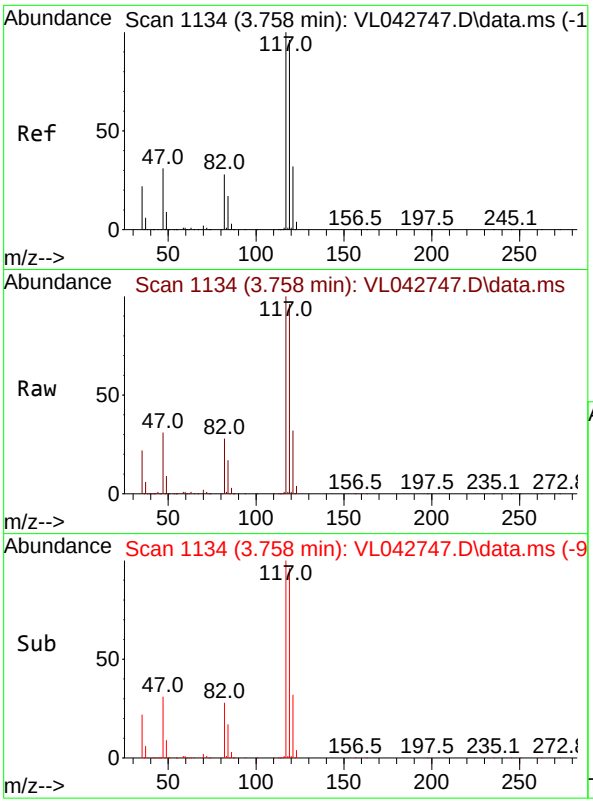


#34
2-Butanone
Concen: 9.361 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 306858

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.0



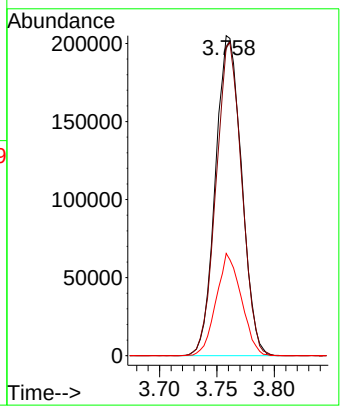


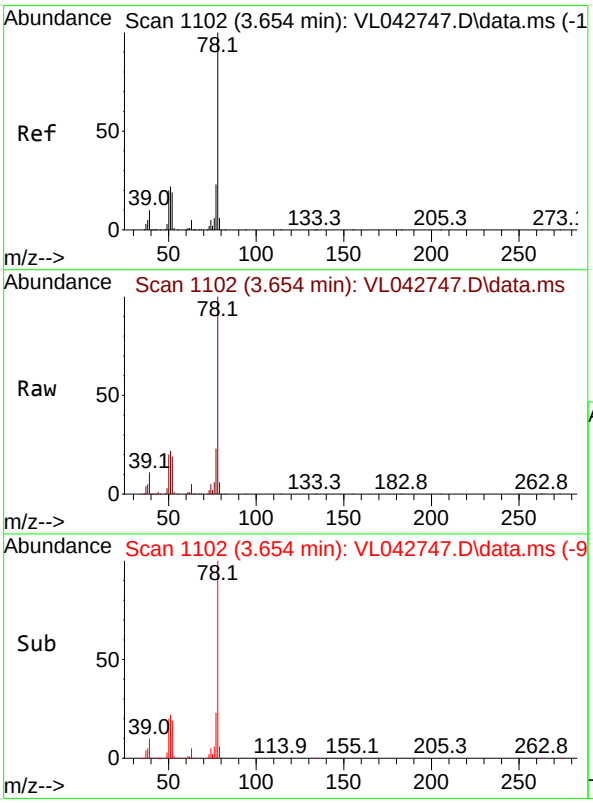
#35
Carbon Tetrachloride
Concen: 9.436 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 324501

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	31.9	25.5	38.3

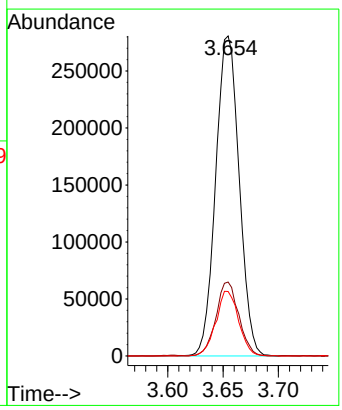


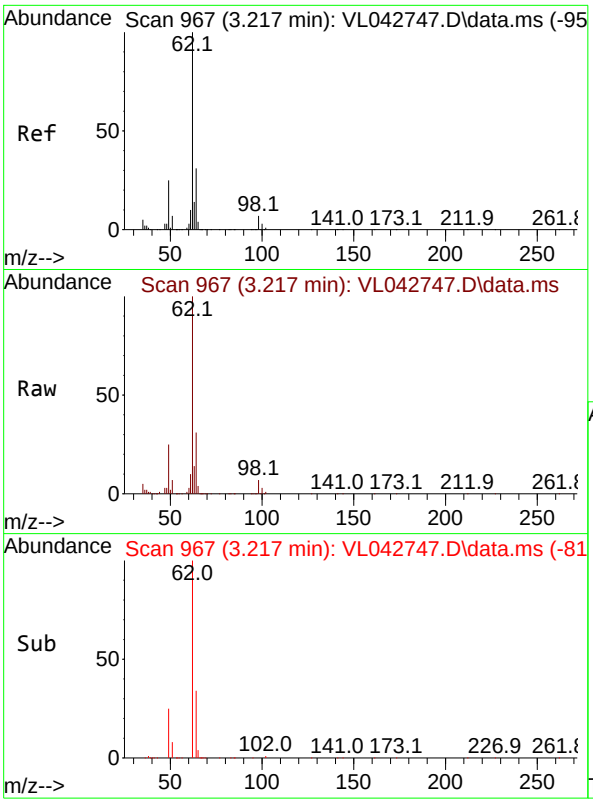


#36
Benzene
Concen: 9.459 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 78 Resp: 414863

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	20.2	16.2	24.2



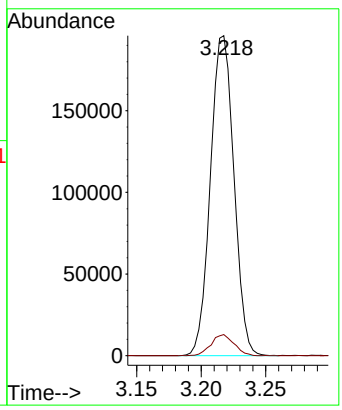


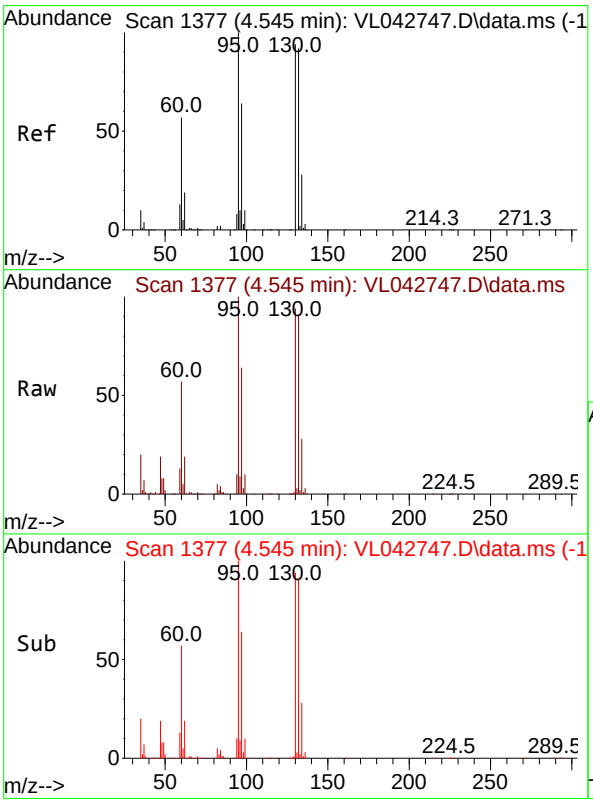
#37
1,2-Dichloroethane
Concen: 9.403 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 248414

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

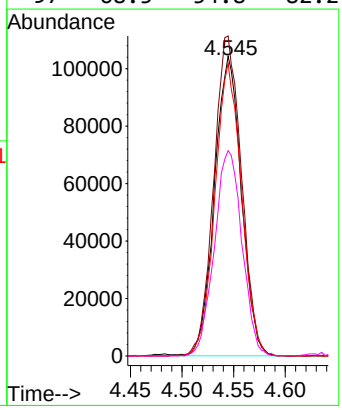


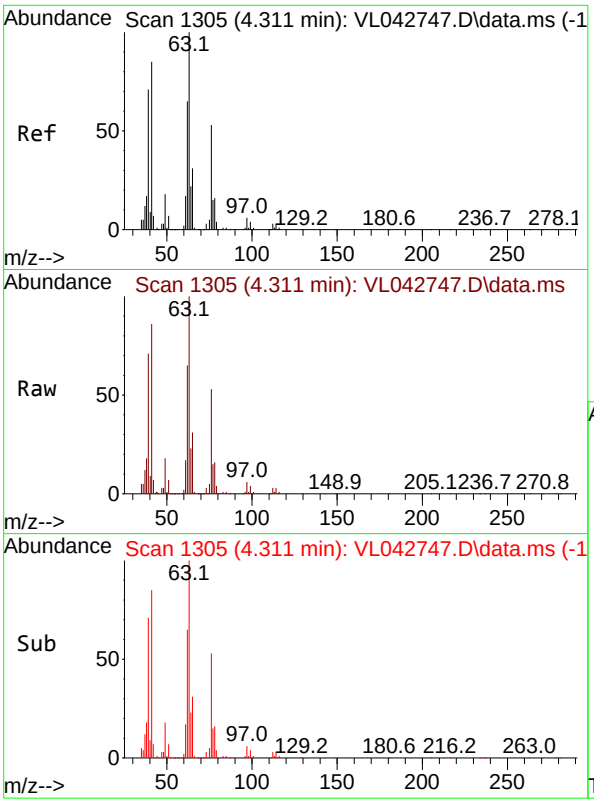


#38
Trichloroethene
Concen: 8.926 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:130 Resp: 188750

Ion	Ratio	Lower	Upper
130	100		
95	106.8	85.4	128.2
132	97.7	78.2	117.2
97	68.5	54.8	82.2



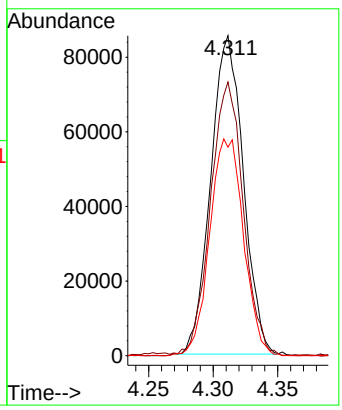


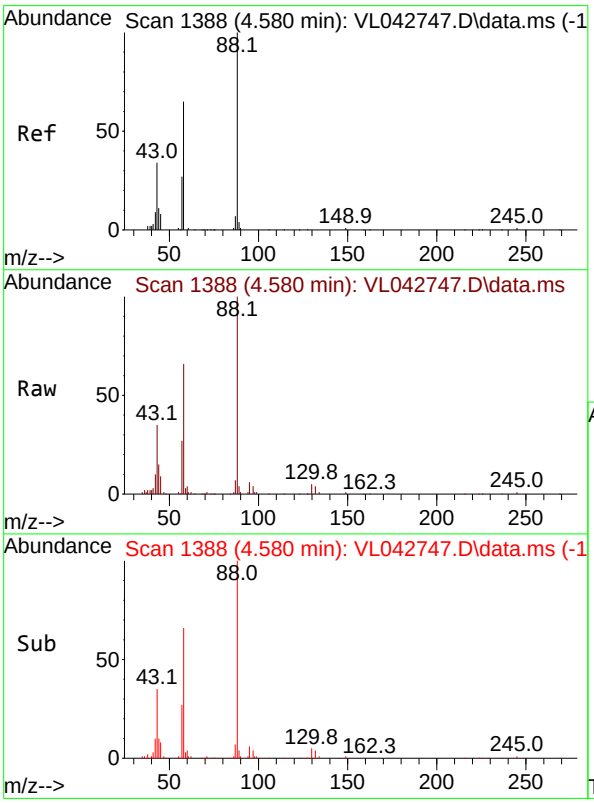
#39
1,2-Dichloropropane
Concen: 9.251 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 149771

Ion	Ratio	Lower	Upper
63	100		
41	85.3	68.2	102.4
62	65.0	52.0	78.0

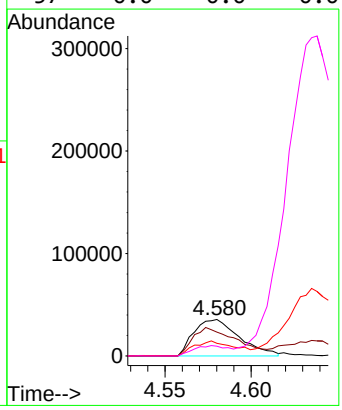


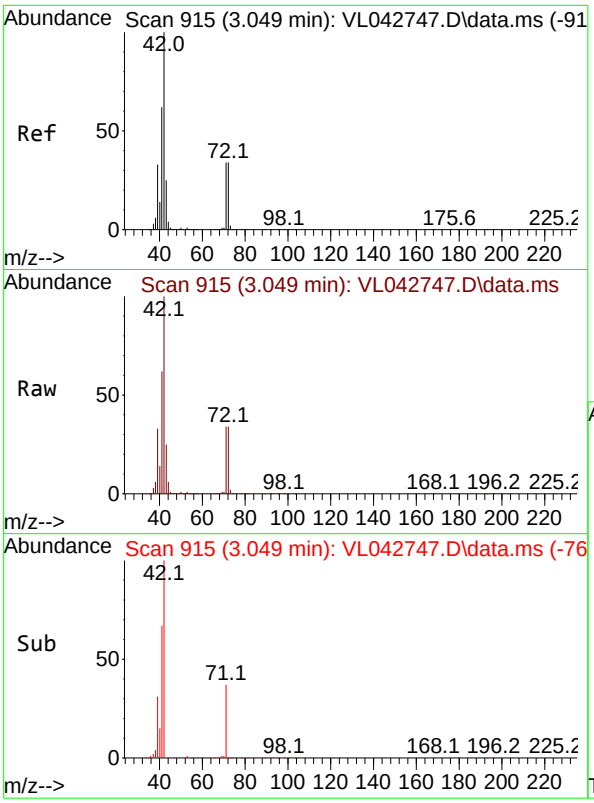


#40
1,4-Dioxane
Concen: 8.569 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 88 Resp: 65413

Ion	Ratio	Lower	Upper
88	100		
58	73.5	58.8	88.2
43	36.1	28.9	43.3
57	0.0	0.0	0.0



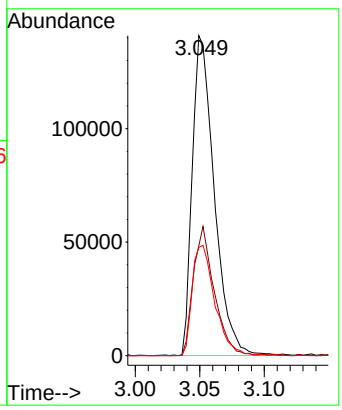


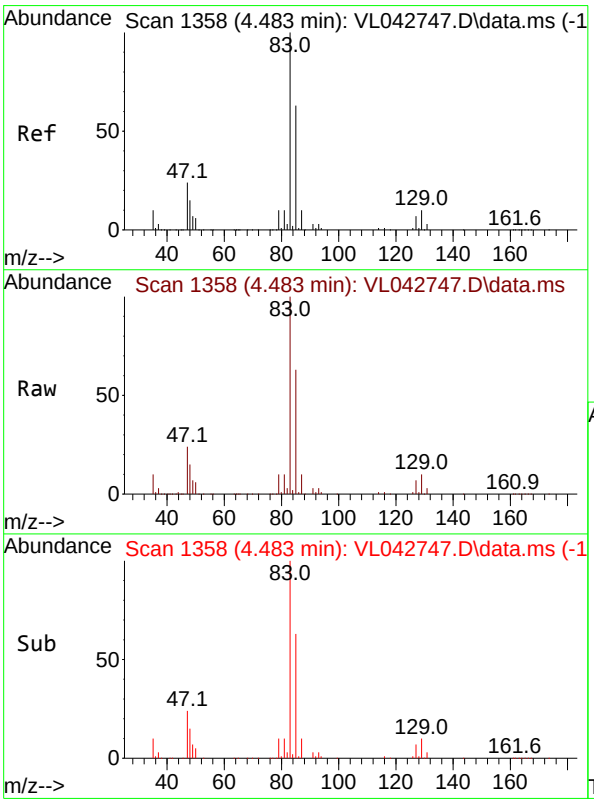
#41
Tetrahydrofuran
Concen: 10.160 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 167323

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	35.8	28.6	43.0

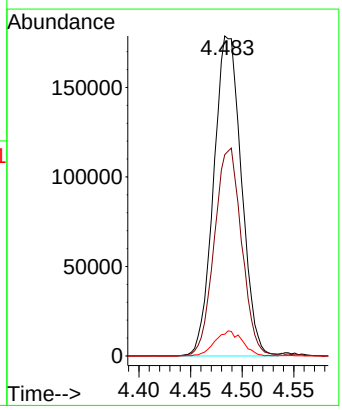


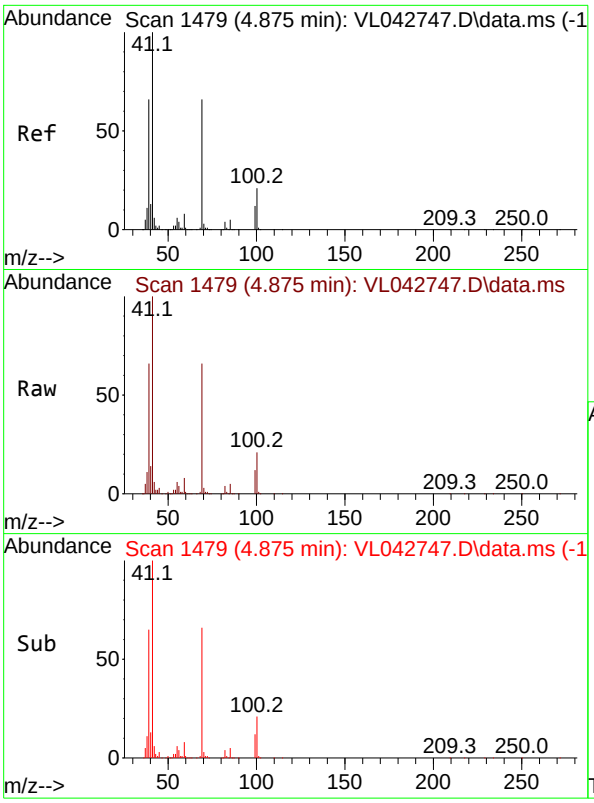


#42
Bromodichloromethane
Concen: 9.713 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 83 Resp: 334531

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	6.8	5.4	8.2



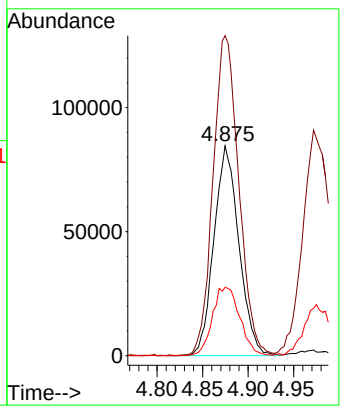


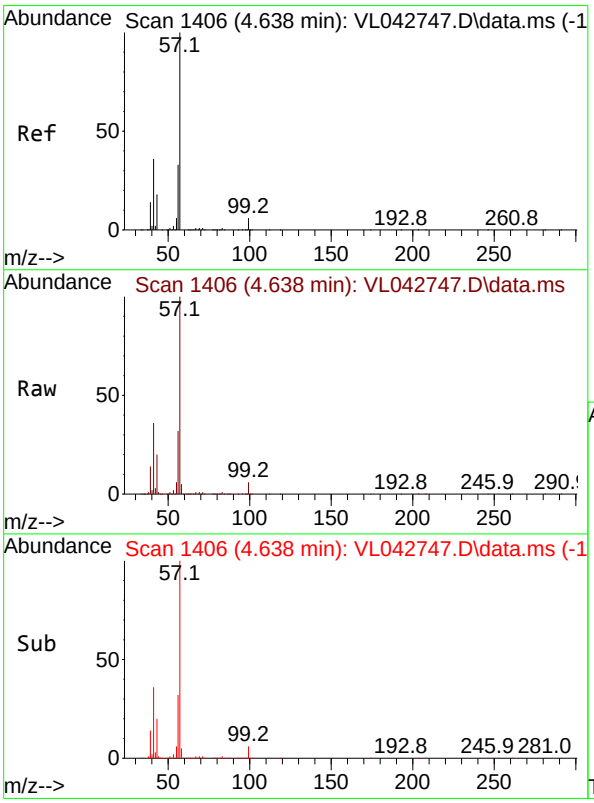
#43
Methyl Methacrylate
Concen: 10.331 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 161053

Ion	Ratio	Lower	Upper
69	100		
41	157.1	125.7	188.5
100	35.7	28.6	42.8

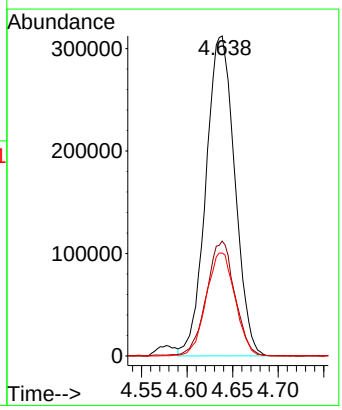


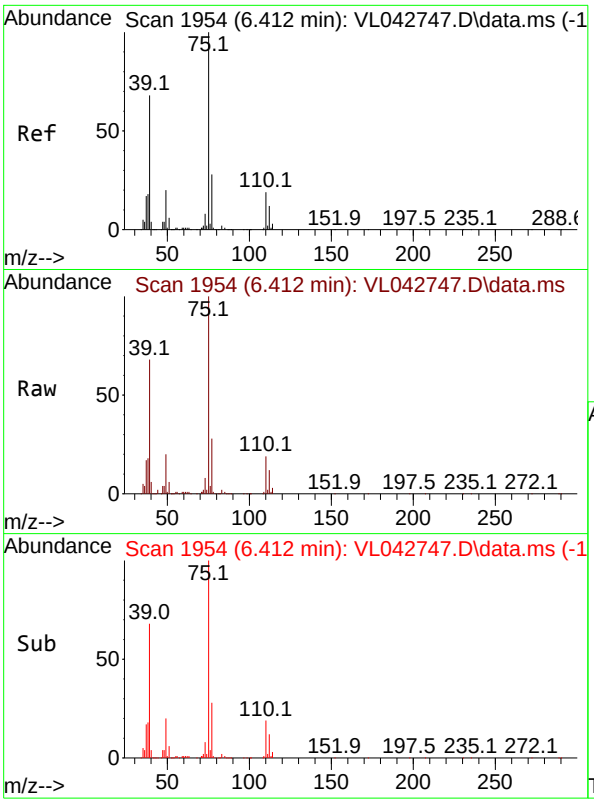


#44
2,2,4-Trimethylpentane
Concen: 9.623 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 687885

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.3	42.5
56	32.2	25.8	38.6



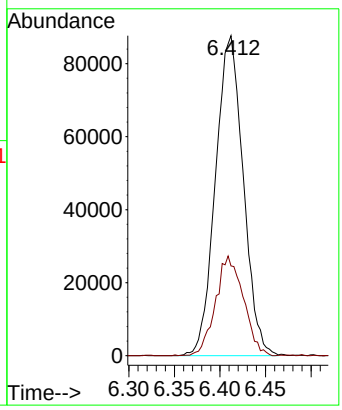


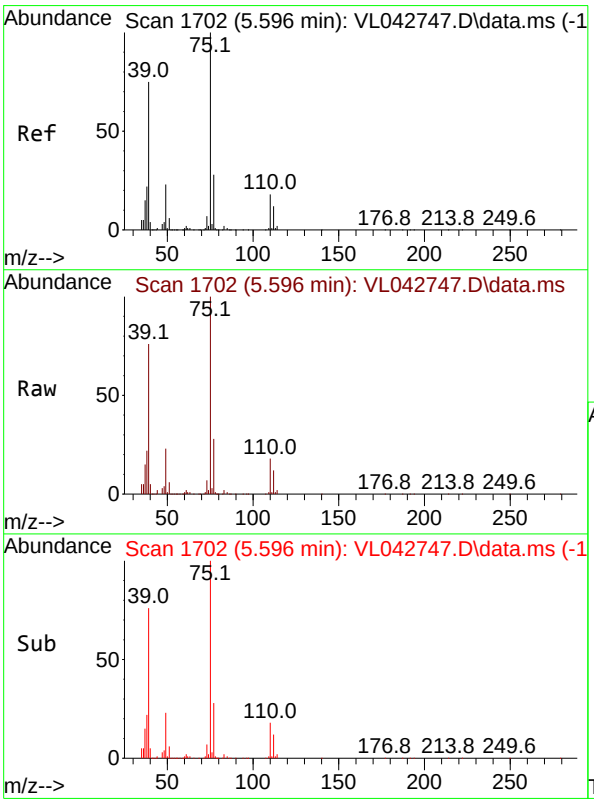
#45
t-1,3-Dichloropropene
Concen: 10.633 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 185965

Ion	Ratio	Lower	Upper
75	100		
77	28.0	22.4	33.6

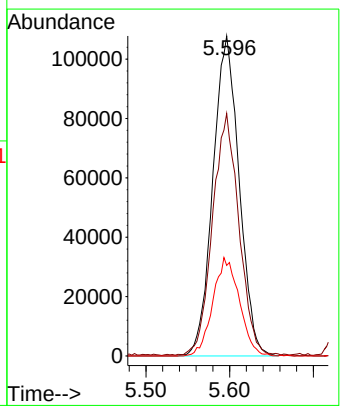


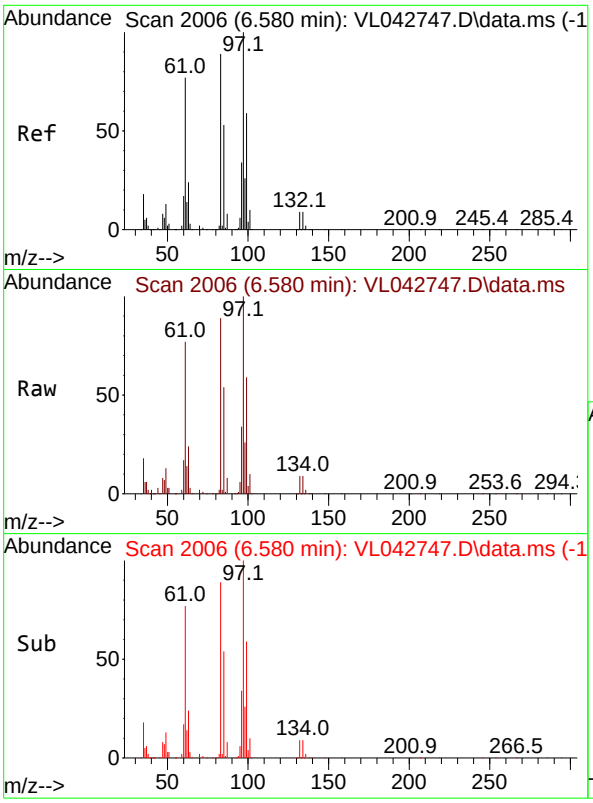


#46
cis-1,3-Dichloropropene
Concen: 10.587 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 75 Resp: 234594

Ion	Ratio	Lower	Upper
75	100		
39	75.2	60.2	90.2
77	28.3	22.6	34.0



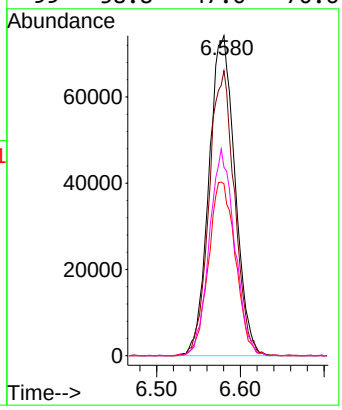


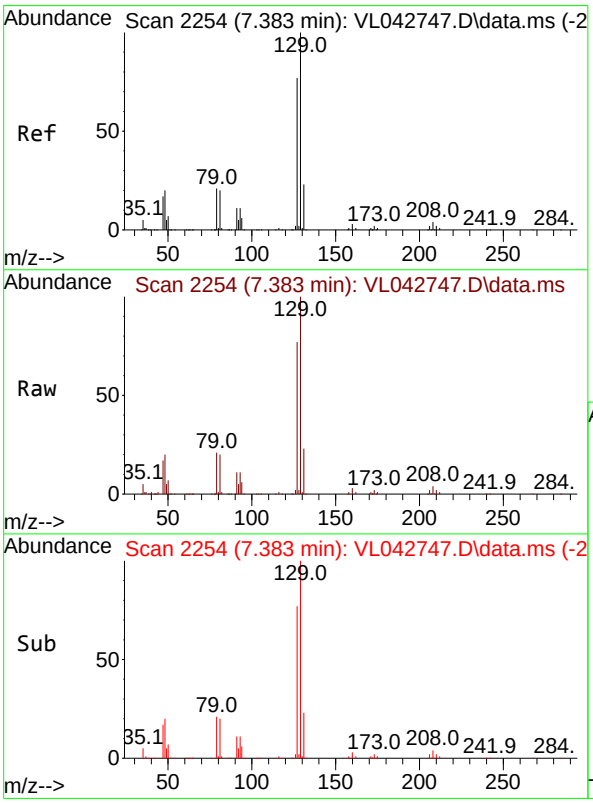
#47
1,1,2-Trichloroethane
Concen: 9.297 ppbv
RT: 6.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 160431

Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.1	106.7
85	53.7	43.0	64.4
99	58.8	47.0	70.6

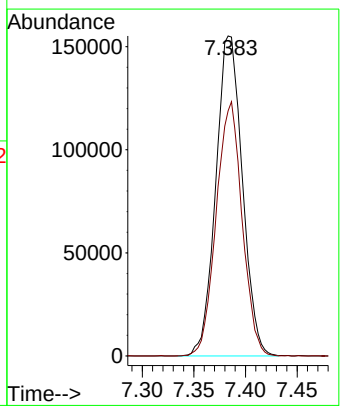


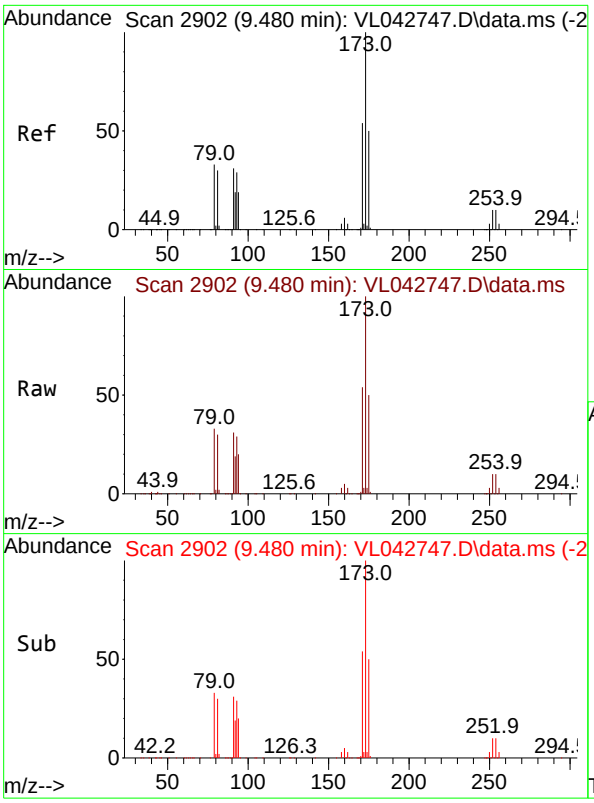


#48
Dibromochloromethane
Concen: 10.141 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:129 Resp: 277832

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1



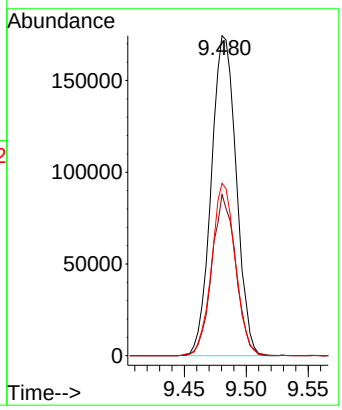


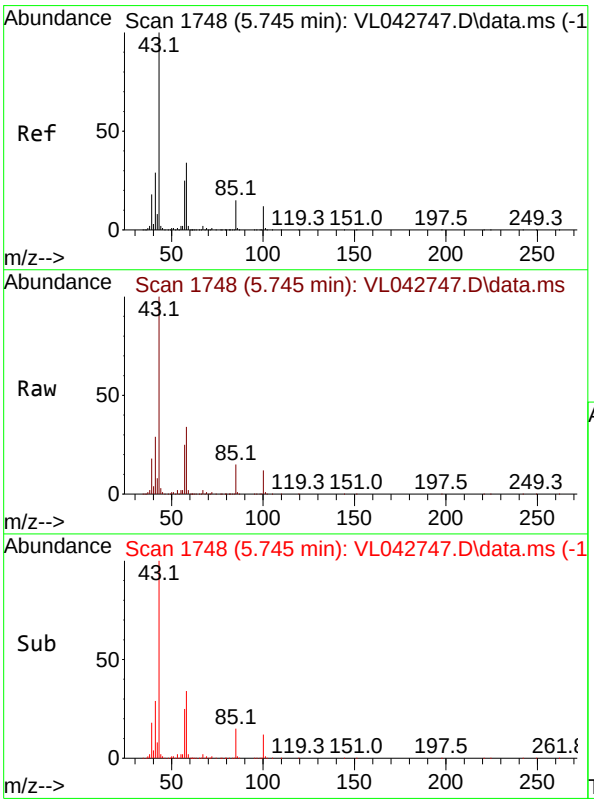
#49
Bromoform
Concen: 10.256 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 244997

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.1	40.9	61.3

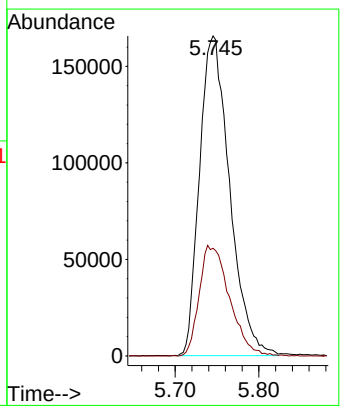


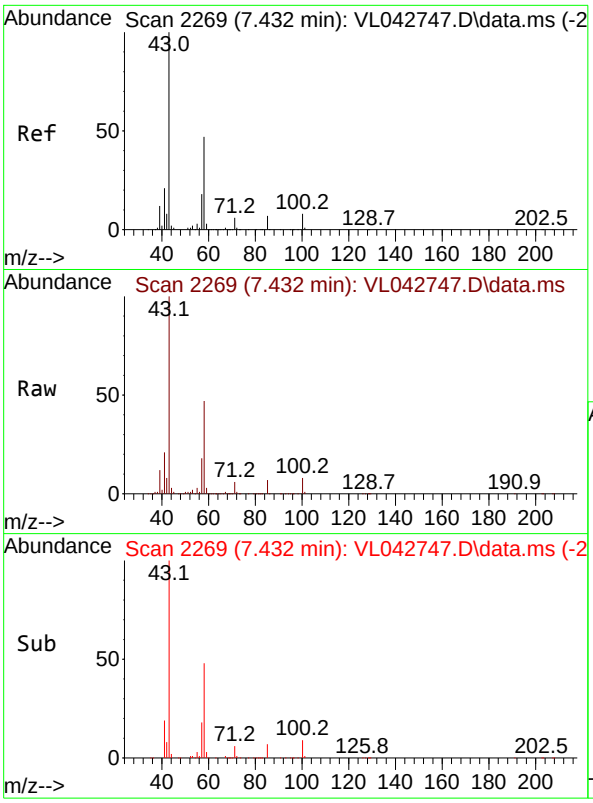


#50
4-Methyl-2-Pentanone
Concen: 9.914 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 43 Resp: 413966

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8



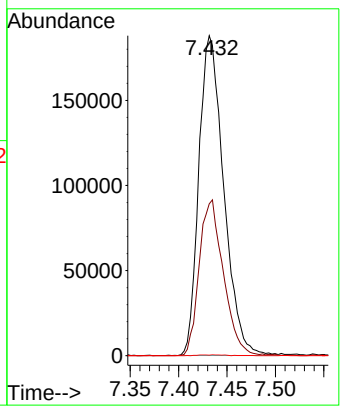


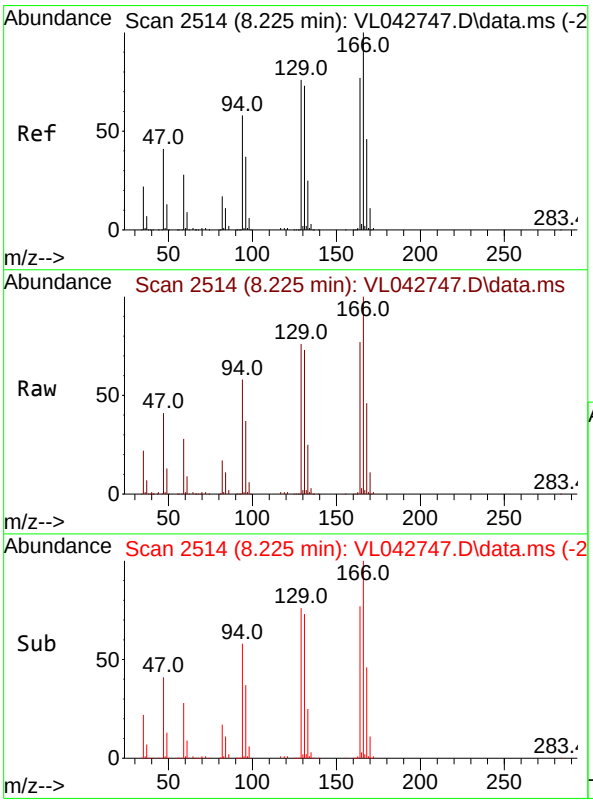
#51
2-Hexanone
Concen: 10.532 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 336048

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	0.3	0.2	0.4

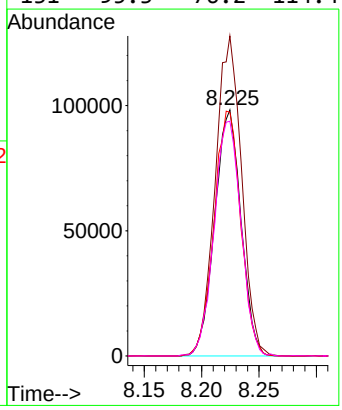


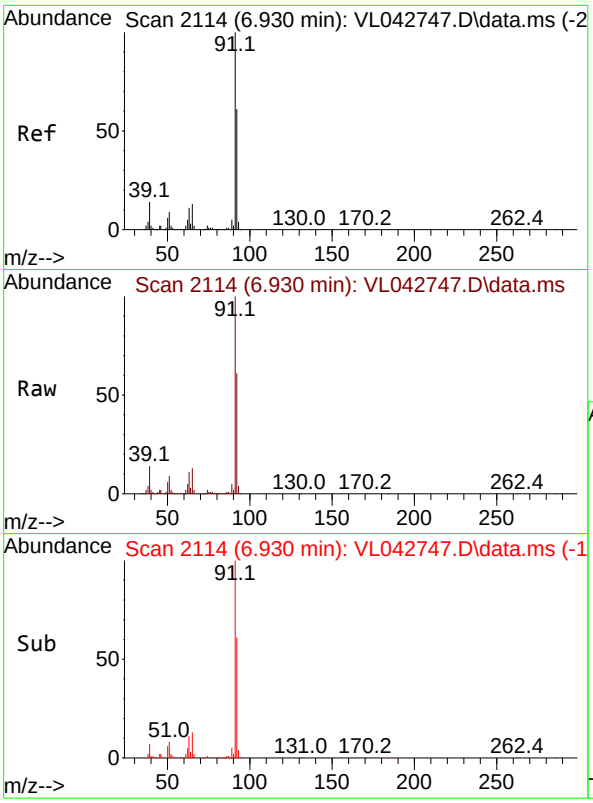


#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:164 Resp: 156930

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	99.0	79.2	118.8
131	95.3	76.2	114.4



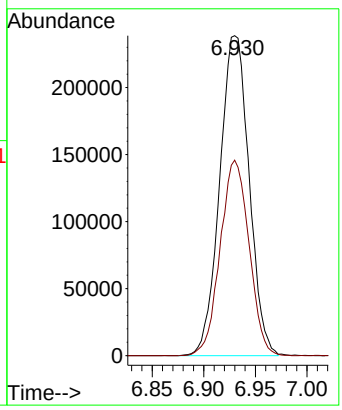


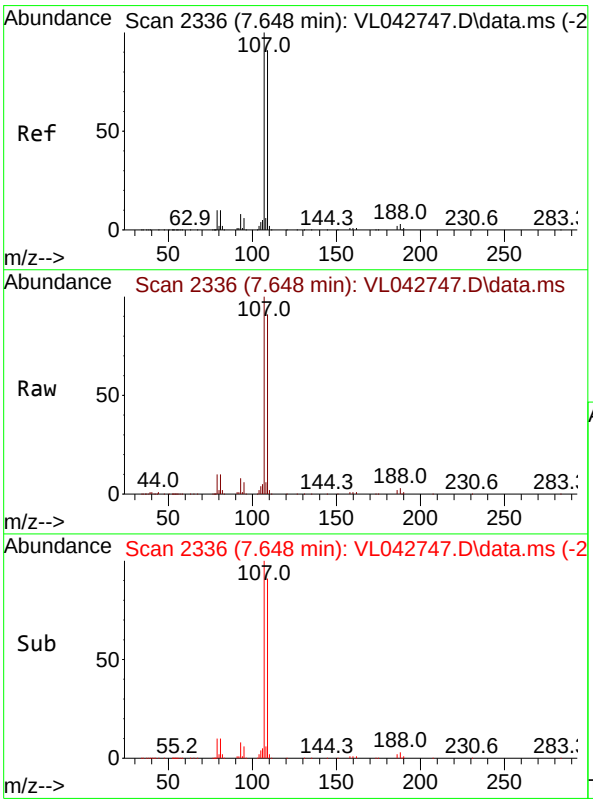
#53
Toluene
Concen: 10.042 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 472953

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0

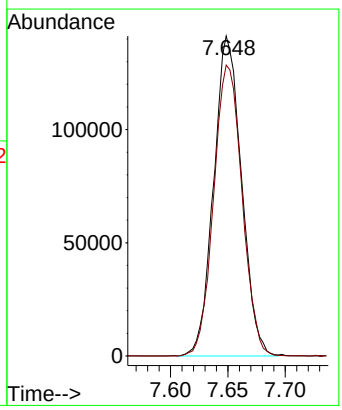


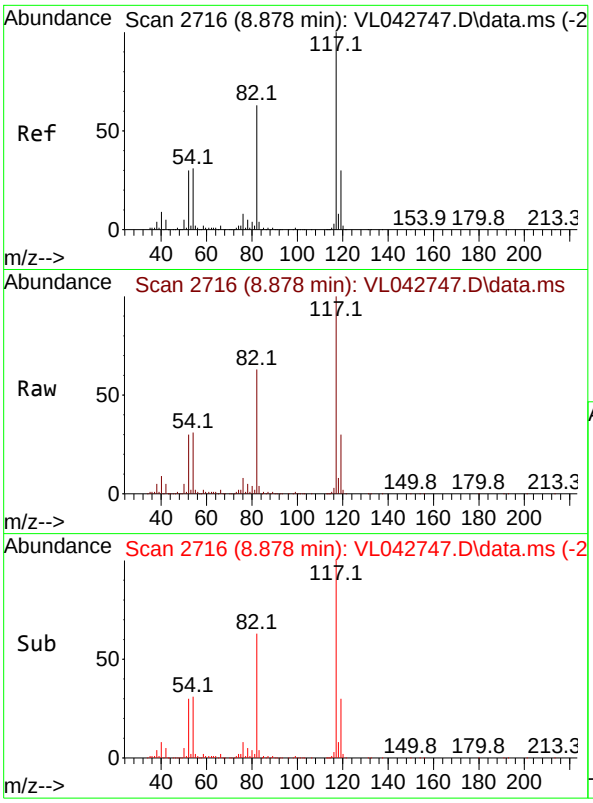


#54
1,2-Dibromoethane
Concen: 9.745 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:107 Resp: 238045

Ion	Ratio	Lower	Upper
107	100		
109	90.9	72.7	109.1



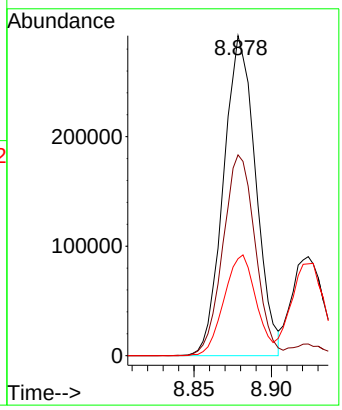


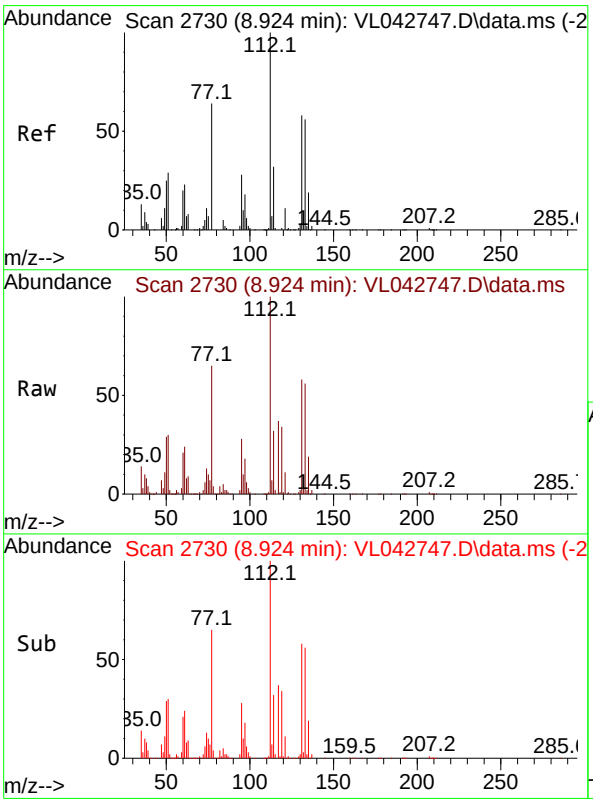
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 422206

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.3	79.9
119	32.2	25.8	38.6

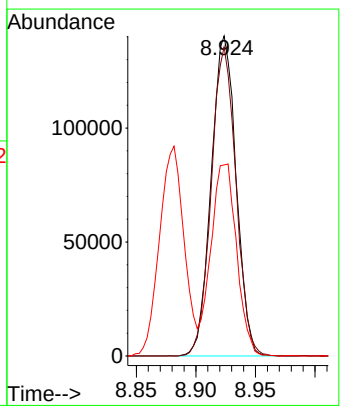


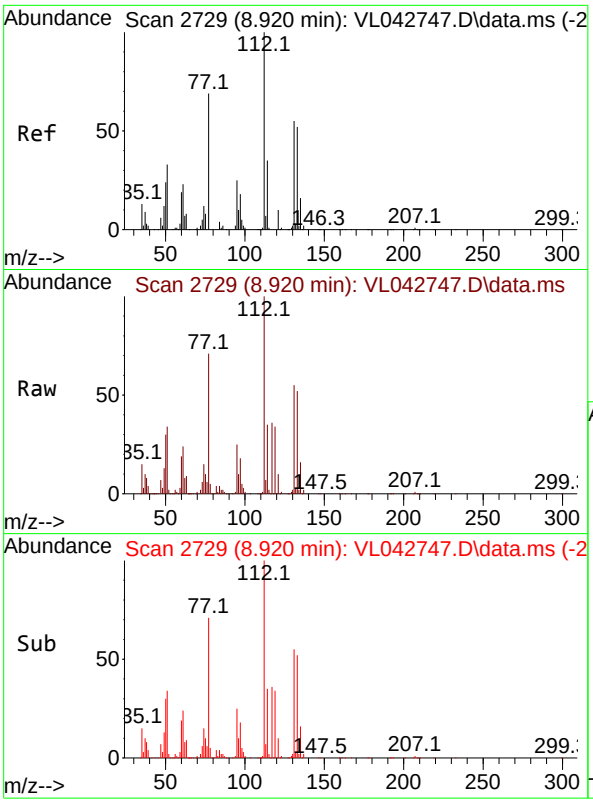


#56
1,1,1,2-Tetrachloroethane
Concen: 9.302 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:131 Resp: 204205

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.8	115.2
119	62.1	49.7	74.5



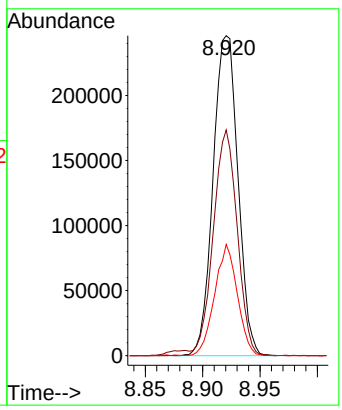


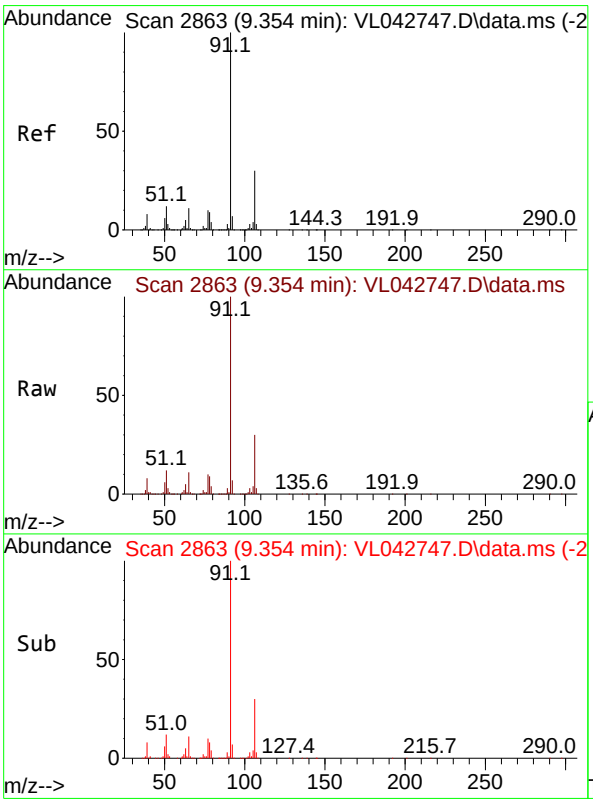
#57
Chlorobenzene
Concen: 9.082 ppbv
RT: 8.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 371117

Ion	Ratio	Lower	Upper
112	100		
77	70.5	56.4	84.6
114	34.7	31.2	38.2

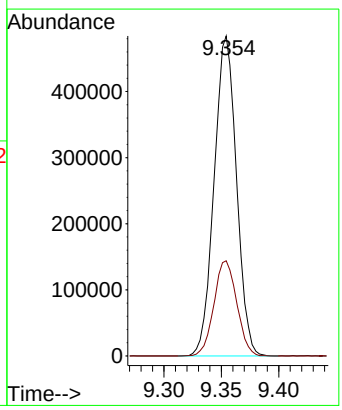


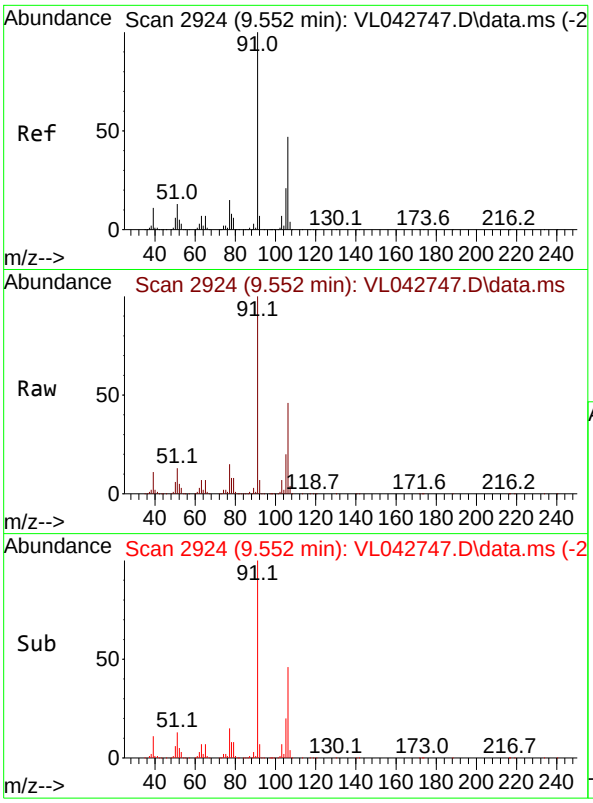


#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 655020

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6



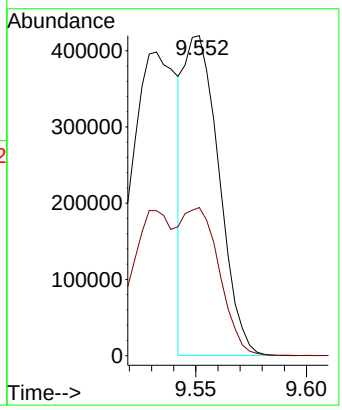


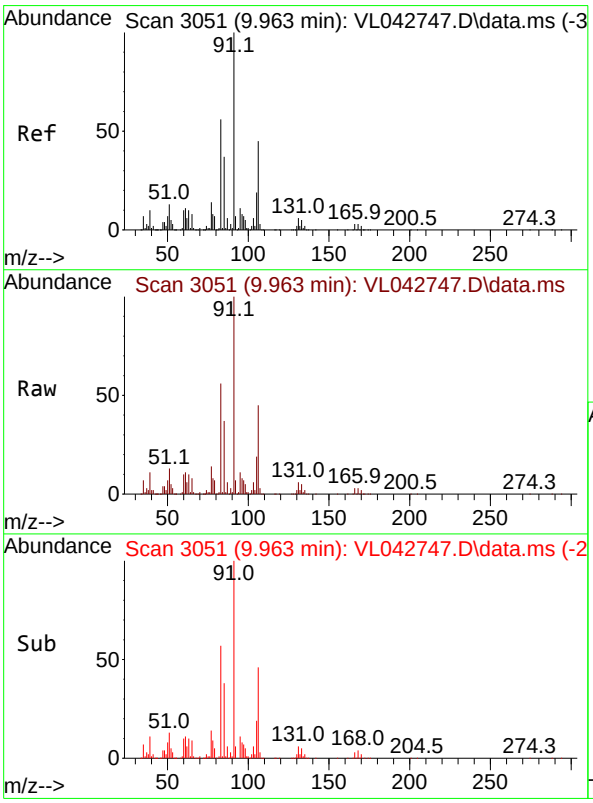
#59
m/p-Xylene
Concen: 8.639 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 460477

Ion	Ratio	Lower	Upper
91	100		
106	105.9	37.4	56.2#

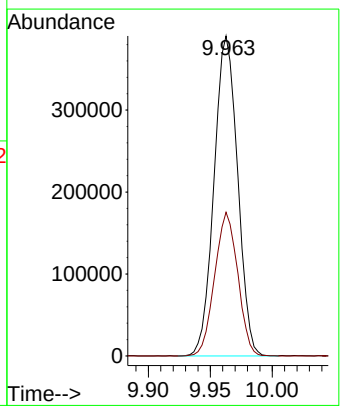


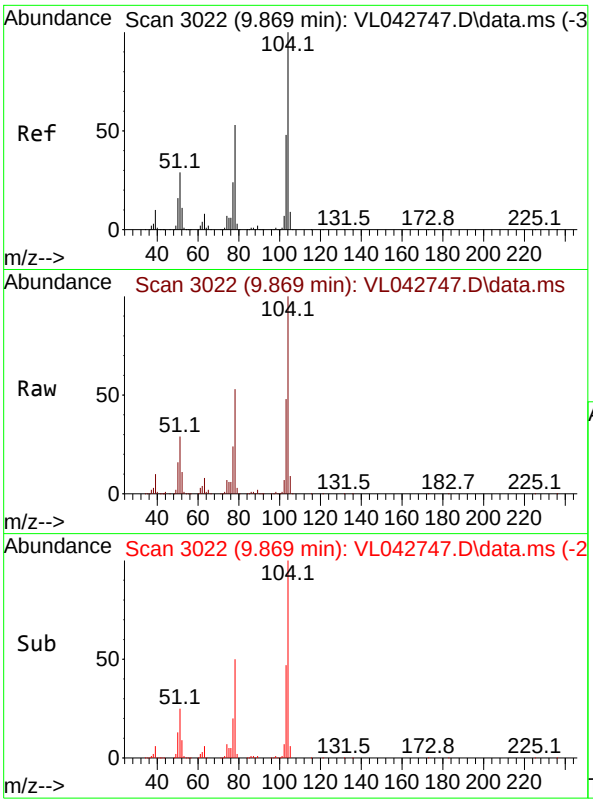


#60
o-Xylene
Concen: 9.715 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 517292

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.0	66.0



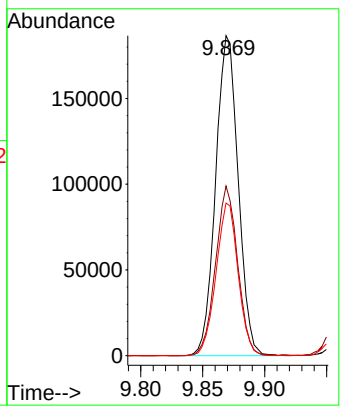


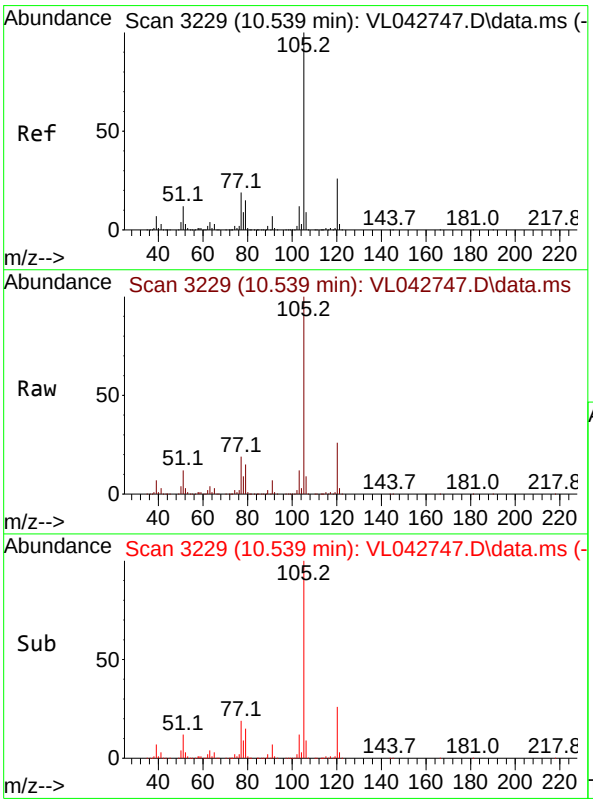
#61
Styrene
Concen: 10.568 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 236709

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.9	37.5	56.3

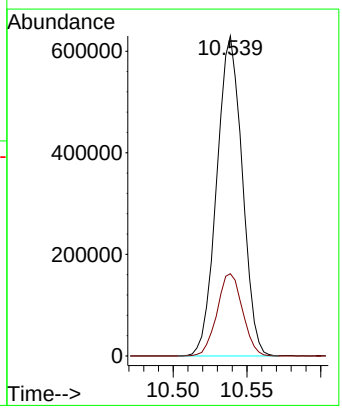


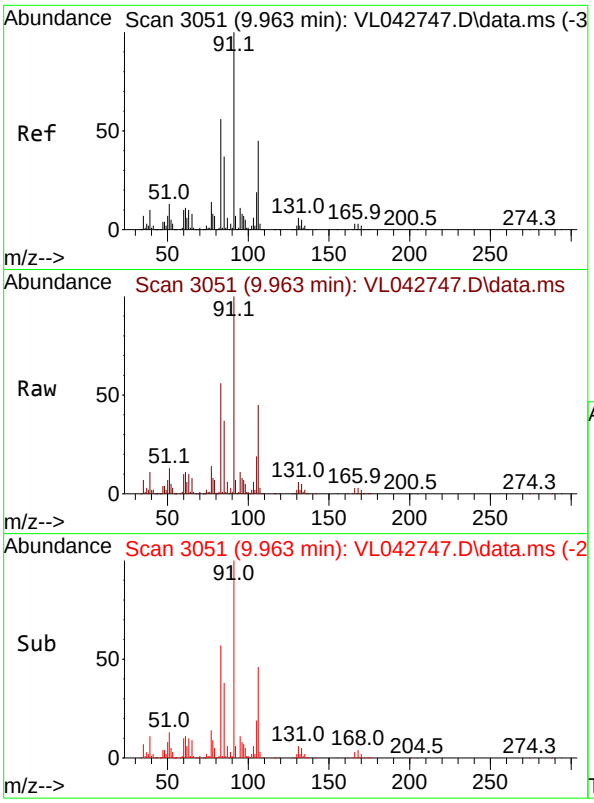


#62
Isopropylbenzene
Concen: 9.641 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 757219

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7



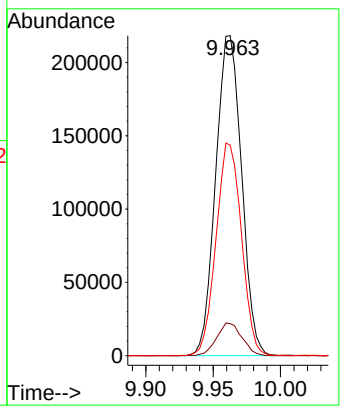


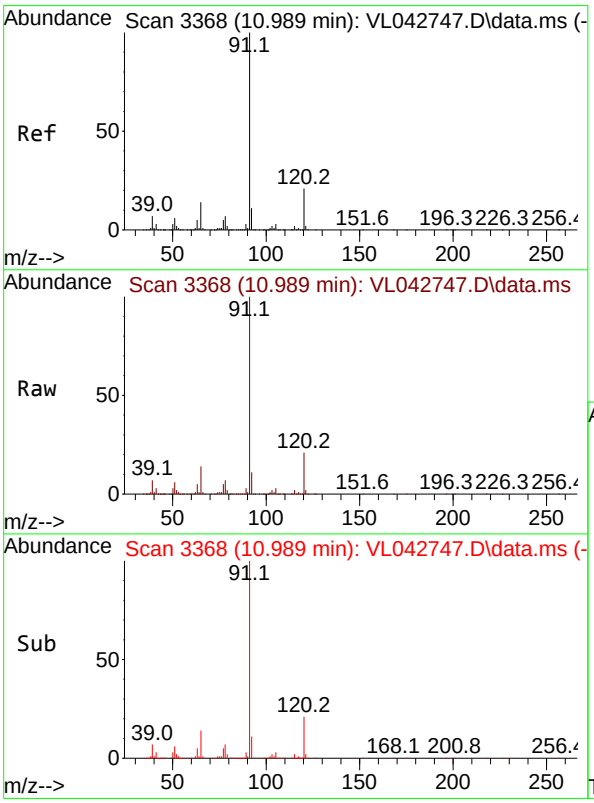
#63
1,1,2,2-Tetrachloroethane
Concen: 8.434 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 292568

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.1	32.6	97.7

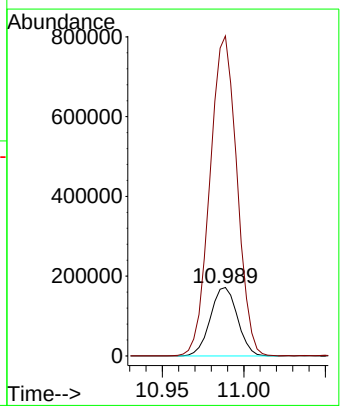


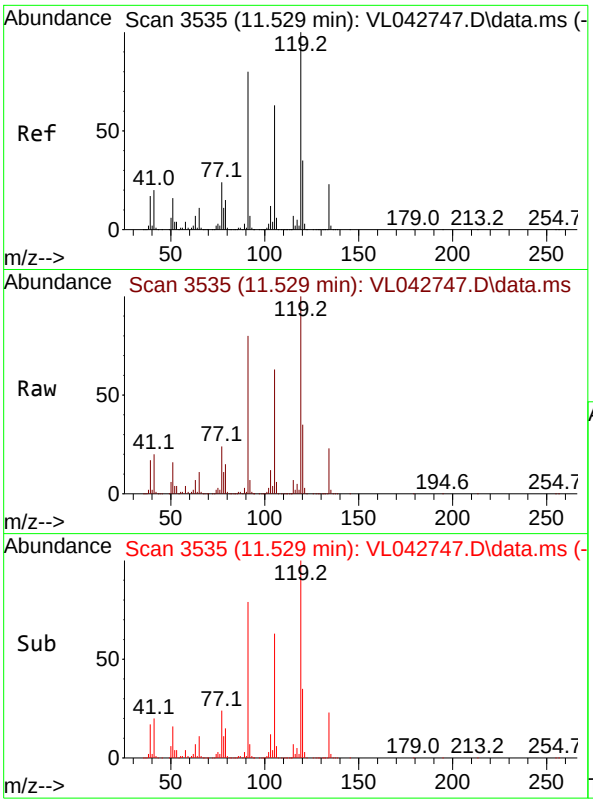


#64
n-propylbenzene
Concen: 9.675 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:120 Resp: 198109

Ion	Ratio	Lower	Upper
120	100		
91	465.9	372.7	559.1



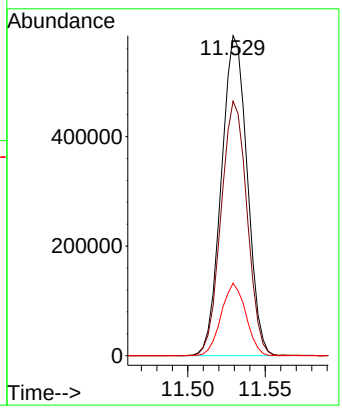


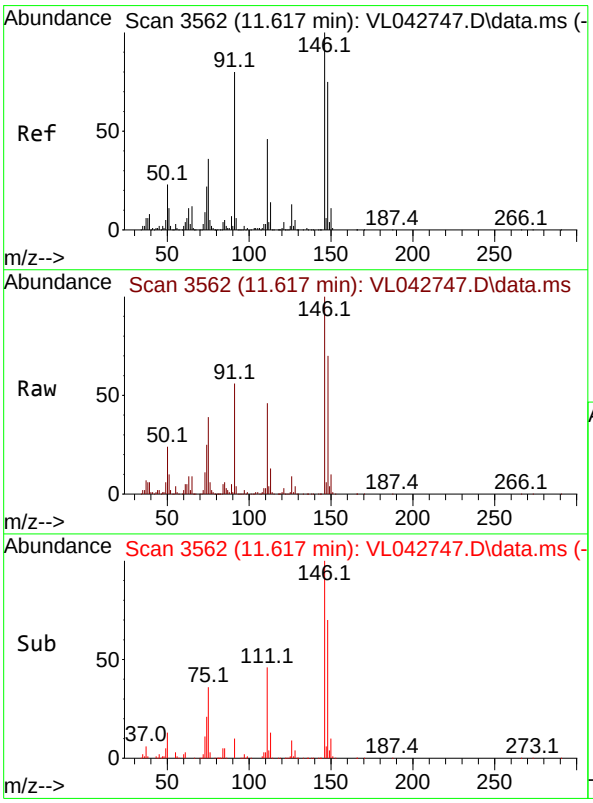
#65
tert-Butylbenzene
Concen: 9.721 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 678174

Ion	Ratio	Lower	Upper
119	100		
91	80.0	64.0	96.0
134	21.6	17.3	25.9

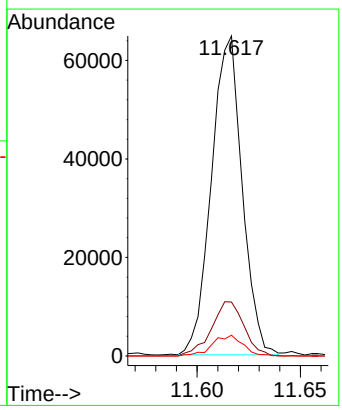


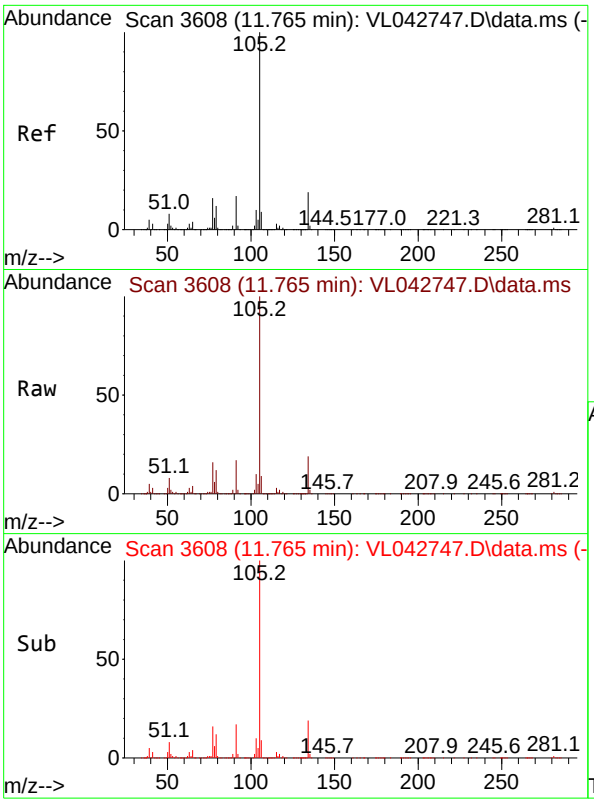


#66
Benzyl Chloride
Concen: 11.691 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 66954

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	6.5	5.2	7.8



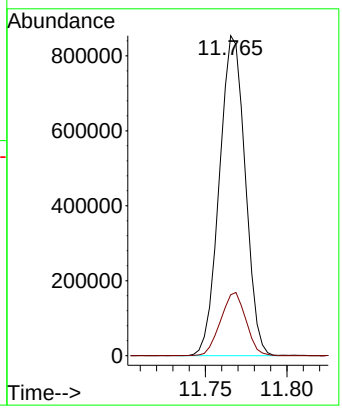


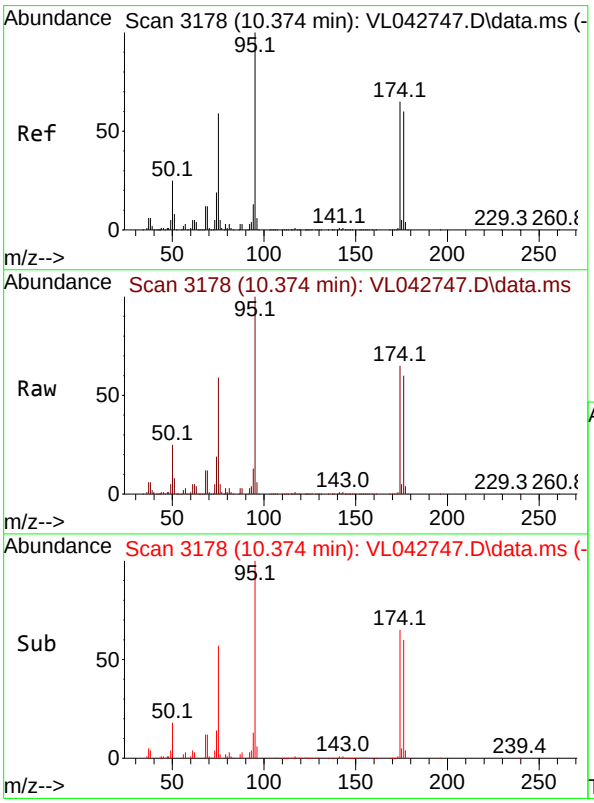
#67
sec-Butylbenzene
Concen: 9.468 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 939396

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

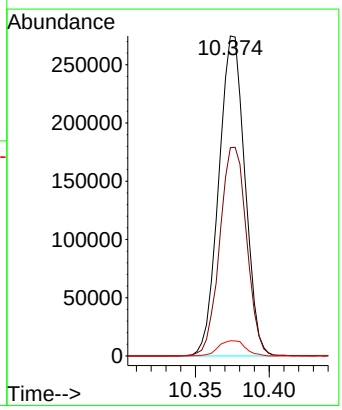


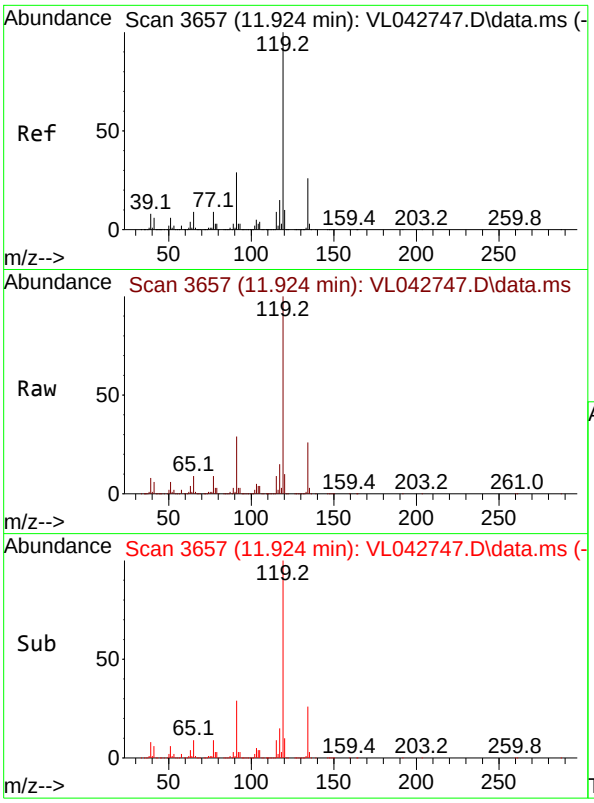


#68
1-Bromo-4-Fluorobenzene
Concen: 10.117 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 95 Resp: 338271

Ion	Ratio	Lower	Upper
95	100		
174	67.2	53.8	80.6
175	5.0	4.0	6.0



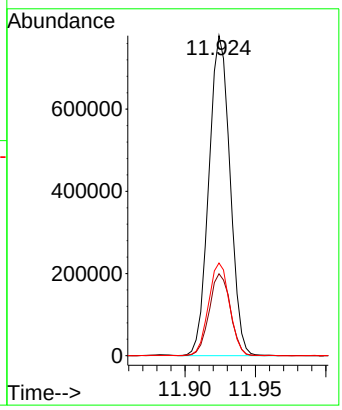


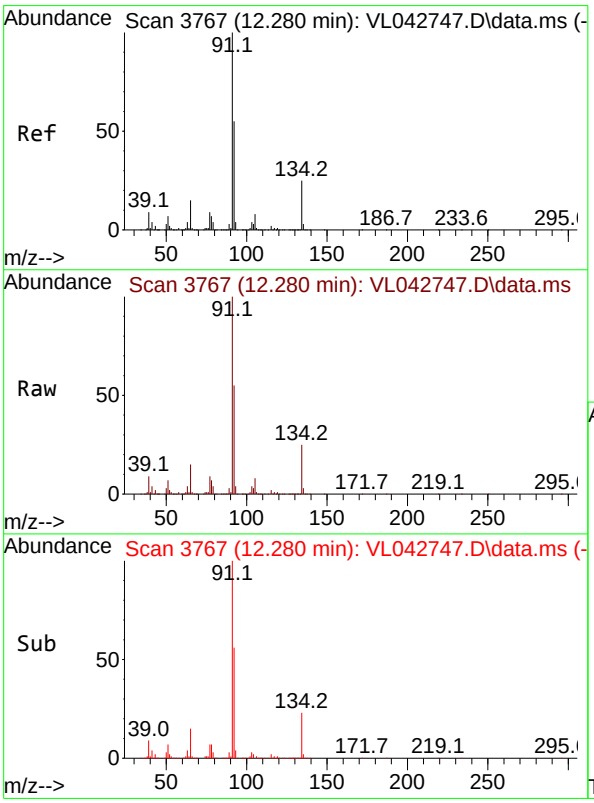
#69
p-Isopropyltoluene
Concen: 10.061 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 814010

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.0	23.2	34.8

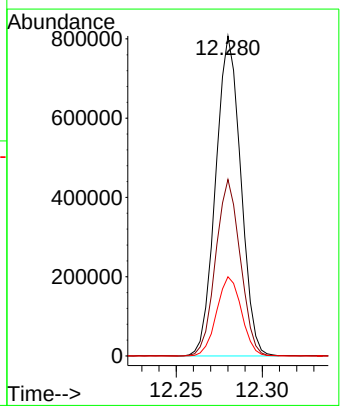


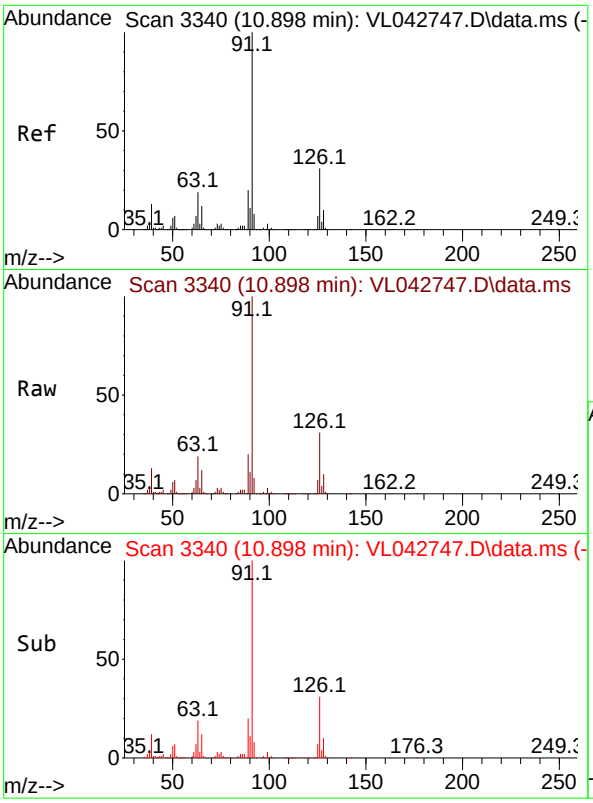


#70
n-Butylbenzene
Concen: 10.473 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 818457

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.4	65.2
134	24.5	19.6	29.4



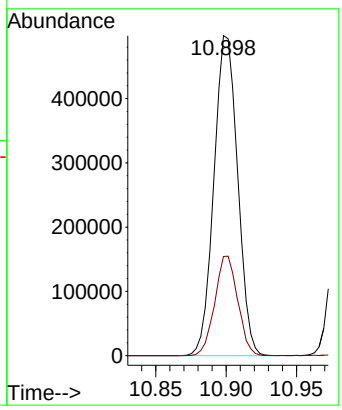


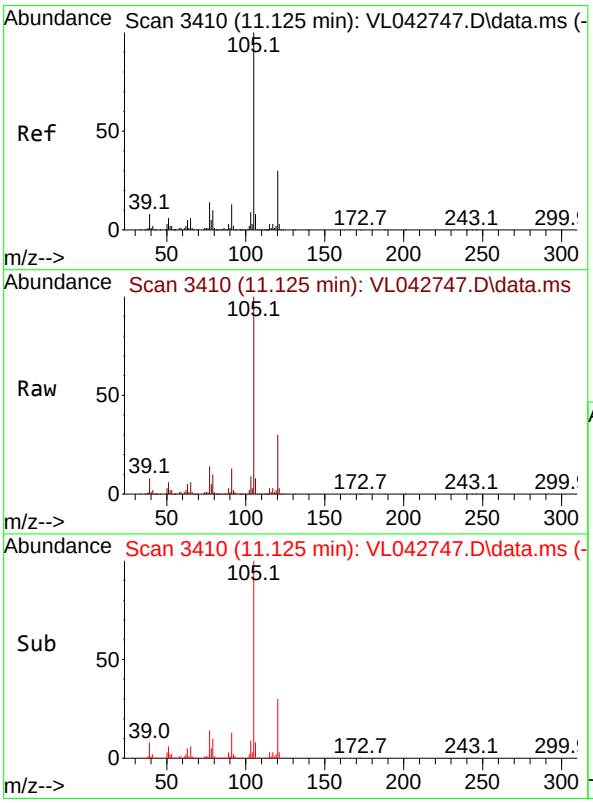
#71
2-Chlorotoluene
Concen: 9.708 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 584629

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2

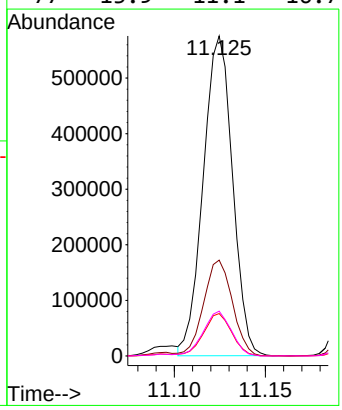


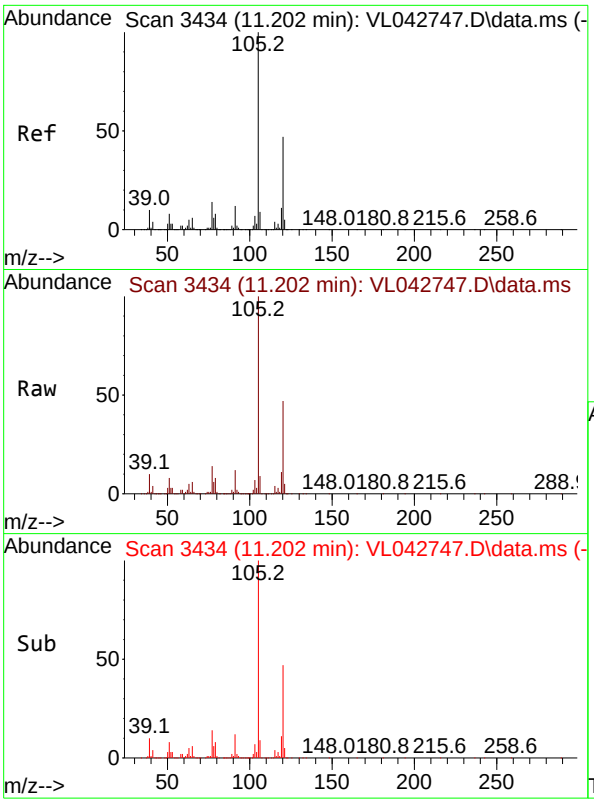


#72
4-Ethyltoluene
Concen: 10.120 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 643519

Ion	Ratio	Lower	Upper
105	100		
120	30.5	24.4	36.6
91	13.2	10.6	15.8
77	13.9	11.1	16.7



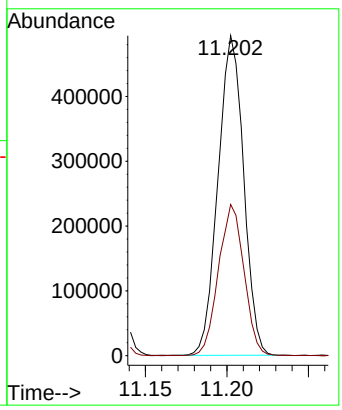


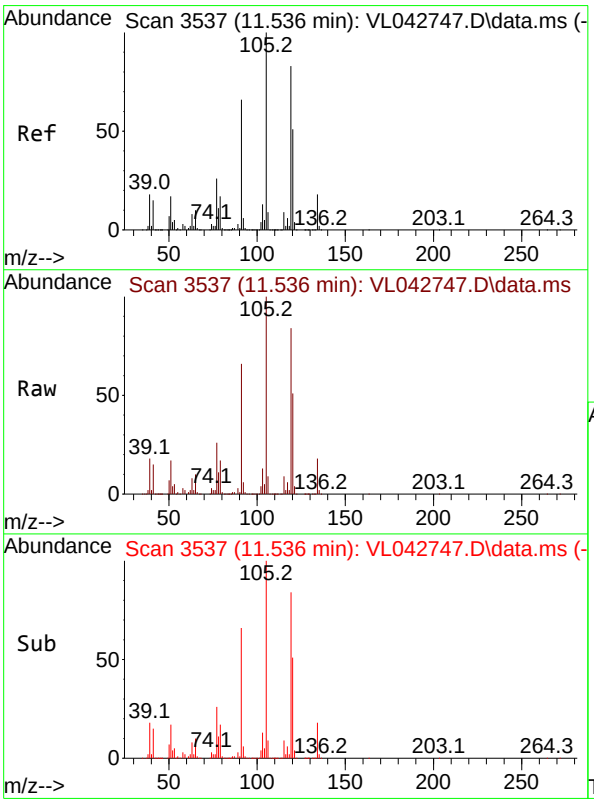
#73
1,3,5-Trimethylbenzene
Concen: 10.285 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 538451

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.8

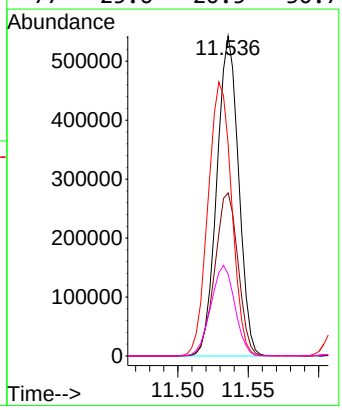


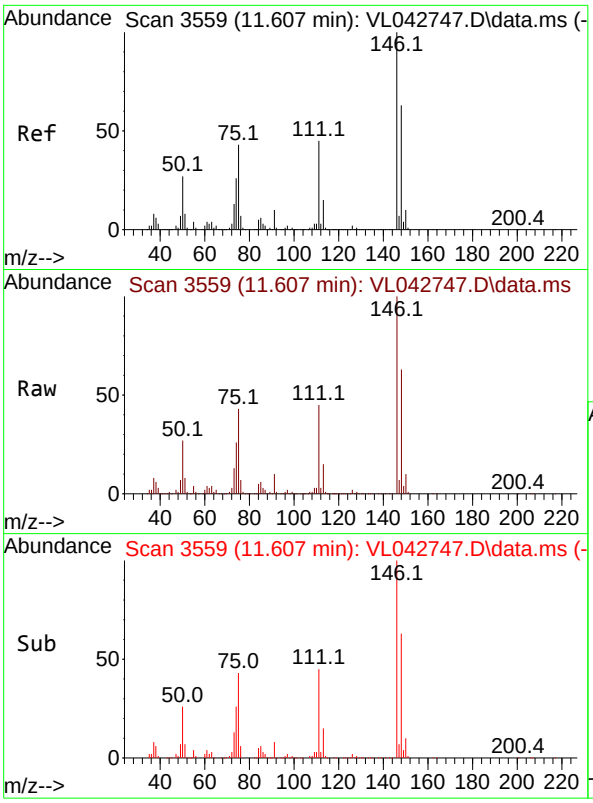


#74
1,2,4-Trimethylbenzene
Concen: 10.232 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 584447

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.8	61.2
91	66.2	53.0	79.4
77	25.6	20.5	30.7



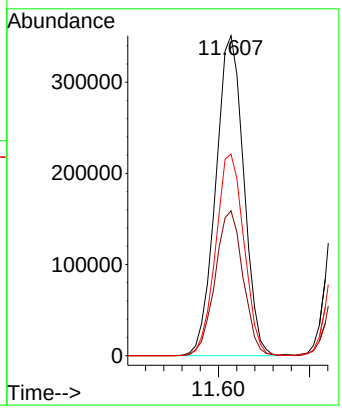


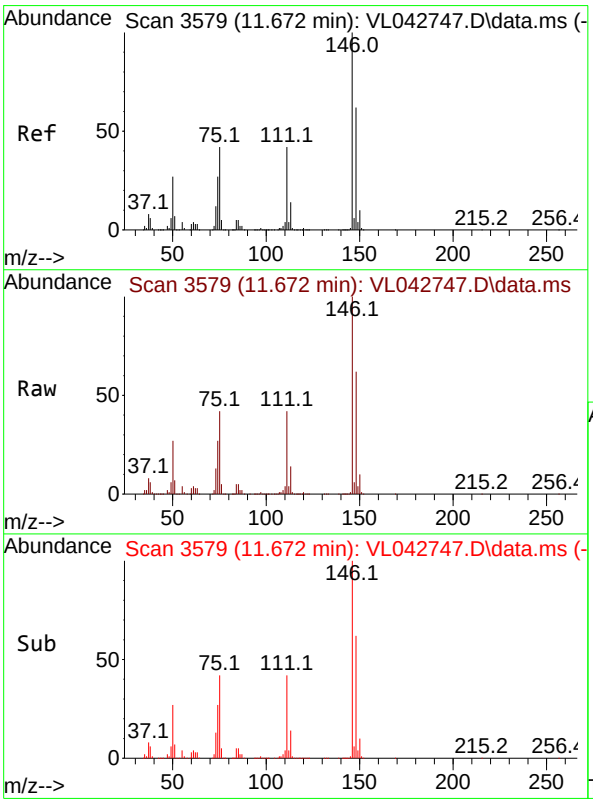
#75
1,3-Dichlorobenzene
Concen: 9.355 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 374587

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	63.7	31.9	95.5

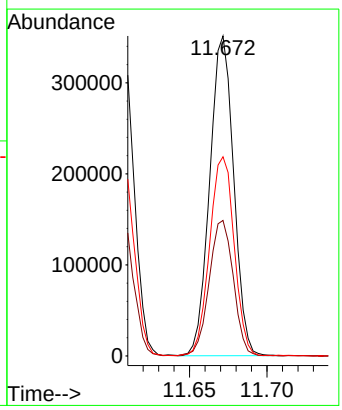


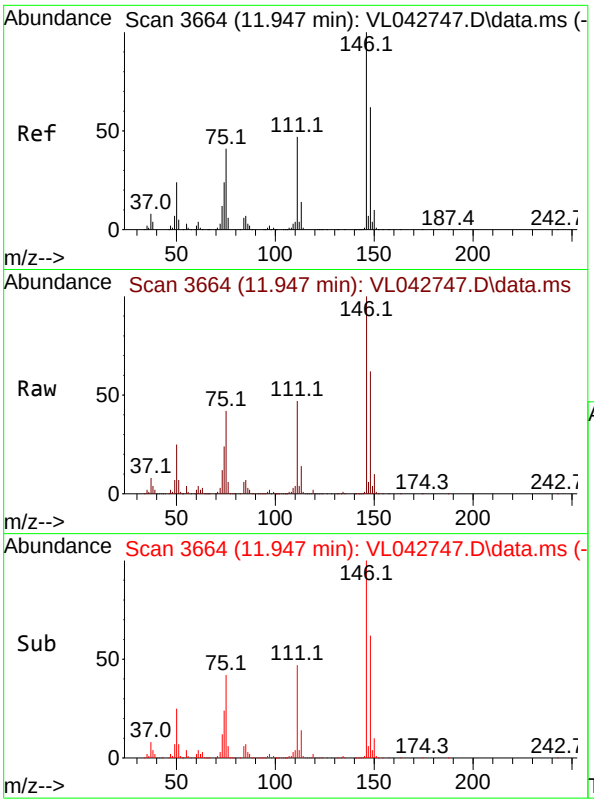


#76
1,4-Dichlorobenzene
Concen: 9.649 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:146 Resp: 378093

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	64.2	32.1	96.3



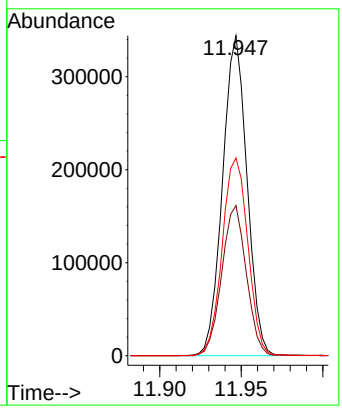


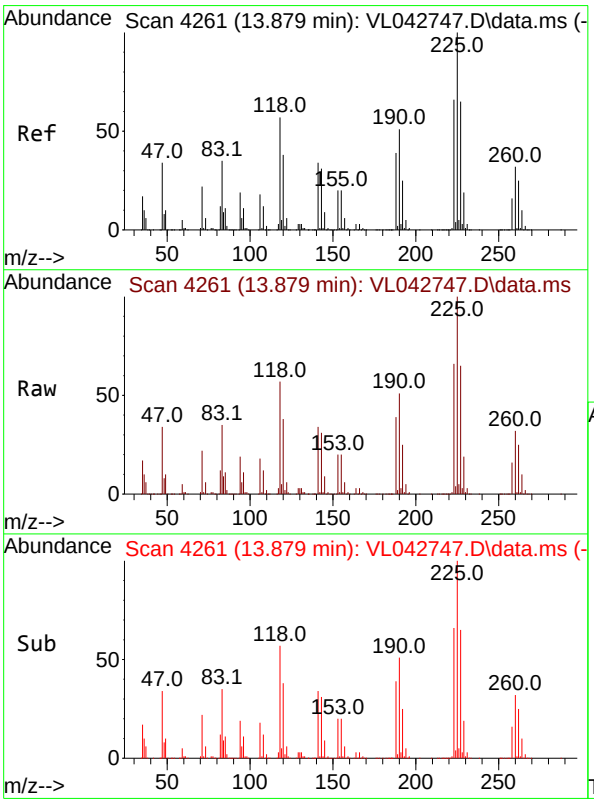
#77
1,2-Dichlorobenzene
Concen: 9.102 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 358206

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	65.1	32.6	97.7

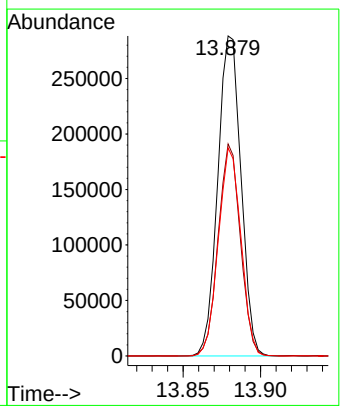


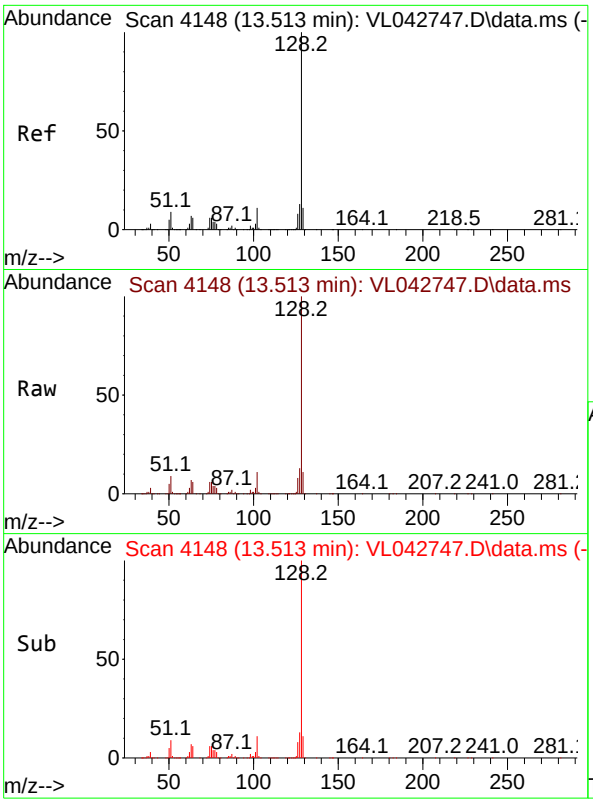


#78
Hexachloro-1,3-Butadiene
Concen: 8.444 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:225 Resp: 300801

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.1	50.5	75.7



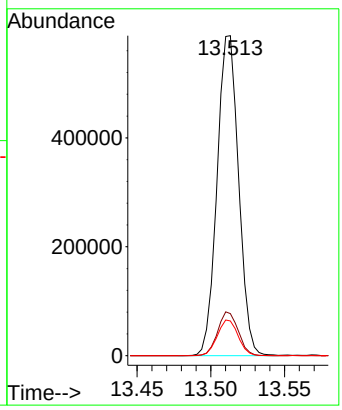


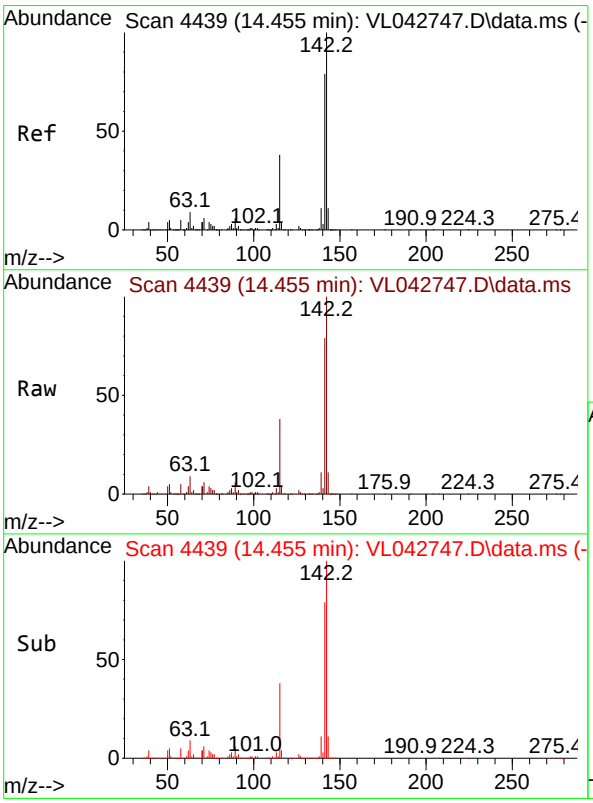
#79
Naphthalene
Concen: 9.665 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 598108

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

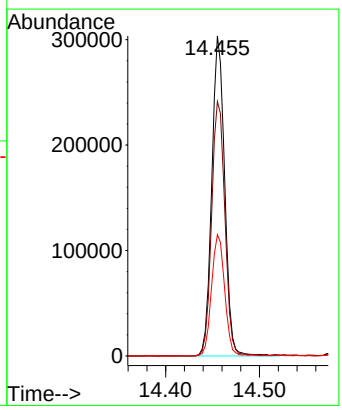


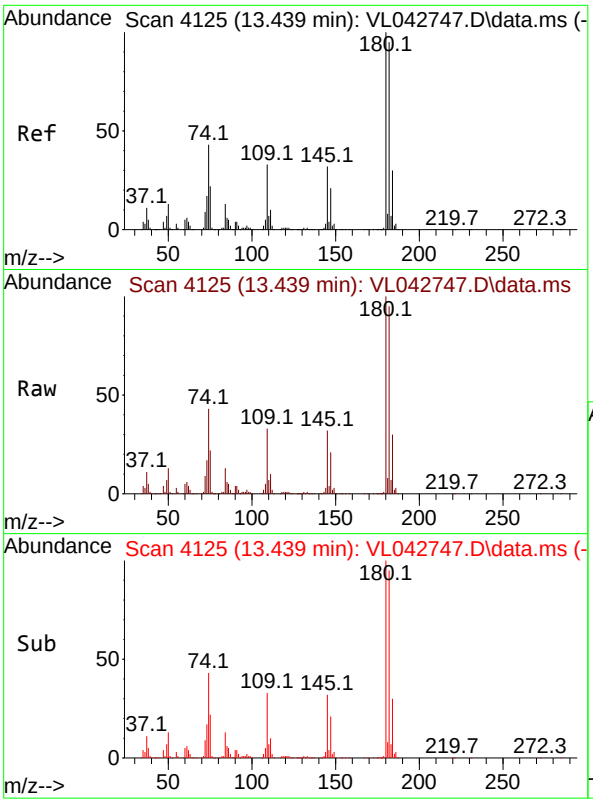


#80
Naphthalene,2-methyl-
Concen: 9.404 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:142 Resp: 289412

Ion	Ratio	Lower	Upper
142	100		
141	82.1	65.8	98.8
115	38.9	31.2	46.8



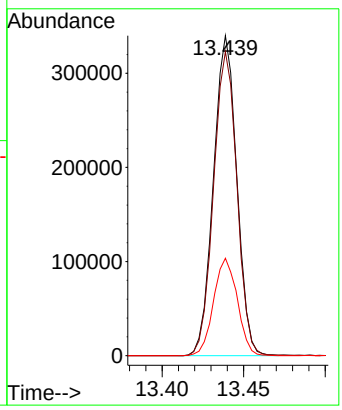


#81
1,2,4-Trichlorobenzene
Concen: 9.710 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 337776

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	31.0	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.780	49	158575	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	457804	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410740	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	330476	10.160	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	43675	2.083	ppbv		98
3) Chlorodifluoromethane	1.473	51	56214	2.058	ppbv		99
4) Chloromethane	1.531	50	16834	1.985	ppbv		100
5) Vinyl Chloride	1.576	62	15384	1.836	ppbv		92
6) Bromomethane	1.664	94	5754	1.776	ppbv		83
7) Chloroethane	1.703	64	6001	1.853	ppbv		93
8) Dichlorotetrafluoroethane	1.554	85	35629	2.066	ppbv		100
9) Propene	1.483	41	21592	2.175	ppbv		97
10) Heptane	4.965	43	28682	1.074	ppbv	#	32
11) Trichlorofluoromethane	1.874	101	44770	2.072	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.136	101	33910	2.065	ppbv		99
13) Ethanol	1.719	45	2321	2.155	ppbv		78
14) Bromoethene	1.780	108	12078	2.077	ppbv	#	96
15) Acetone	1.832	43	48226	2.202	ppbv		100
16) 1,3-Butadiene	1.606	39	18504	1.981	ppbv		96
17) tert-Butyl alcohol	2.036	59	40135	2.032	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	14381	1.938	ppbv		93
19) Isopropyl Alcohol	1.884	45	23028	1.979	ppbv	#	75
20) Methylene Chloride	2.059	84	13296	1.927	ppbv		97
21) Allyl Chloride	2.091	41	27789	2.059	ppbv		97
22) trans-1,2-Dichloroethene	2.030	96	14381	1.804	ppbv		91
23) Vinyl Acetate	2.457	43	53544	2.017	ppbv	#	98
24) 1,1-Dichloroethane	2.405	63	33969	2.073	ppbv		99
25) Ethyl Acetate	2.832	43	101853	2.101	ppbv		99
26) Hexane	2.822	57	45446	2.137	ppbv		99
27) Carbon Disulfide	2.146	76	36945	2.030	ppbv	#	36
28) Methyl tert-Butyl Ether	2.437	73	20603	2.051	ppbv		96
29) Chloroform	2.842	83	67755	2.062	ppbv		97
30) Cyclohexane	3.845	84	19383	1.075	ppbv	#	1
31) cis-1,2-Dichloroethene	2.716	61	44860	2.053	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	67608	1.976	ppbv		98
34) 2-Butanone	2.551	43	69674	2.149	ppbv		99
35) Carbon Tetrachloride	3.755	117	67338	1.979	ppbv		97
36) Benzene	3.648	78	91141	2.101	ppbv		94
37) 1,2-Dichloroethane	3.211	62	53482	2.046	ppbv		98
38) Trichloroethene	4.538	130	40713	1.946	ppbv		90
39) 1,2-Dichloropropane	4.305	63	33225	2.075	ppbv		94
40) 1,4-Dioxane	4.583	88	14747	1.953	ppbv	#	69
41) Tetrahydrofuran	3.052	42	33618	2.064	ppbv		94
42) Bromodichloromethane	4.480	83	69093	2.028	ppbv		94
43) Methyl Methacrylate	4.871	69	30336	1.967	ppbv		95
44) 2,2,4-Trimethylpentane	4.632	57	149588	2.115	ppbv		99
45) t-1,3-Dichloropropene	6.399	75	16554	0.957	ppbv		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

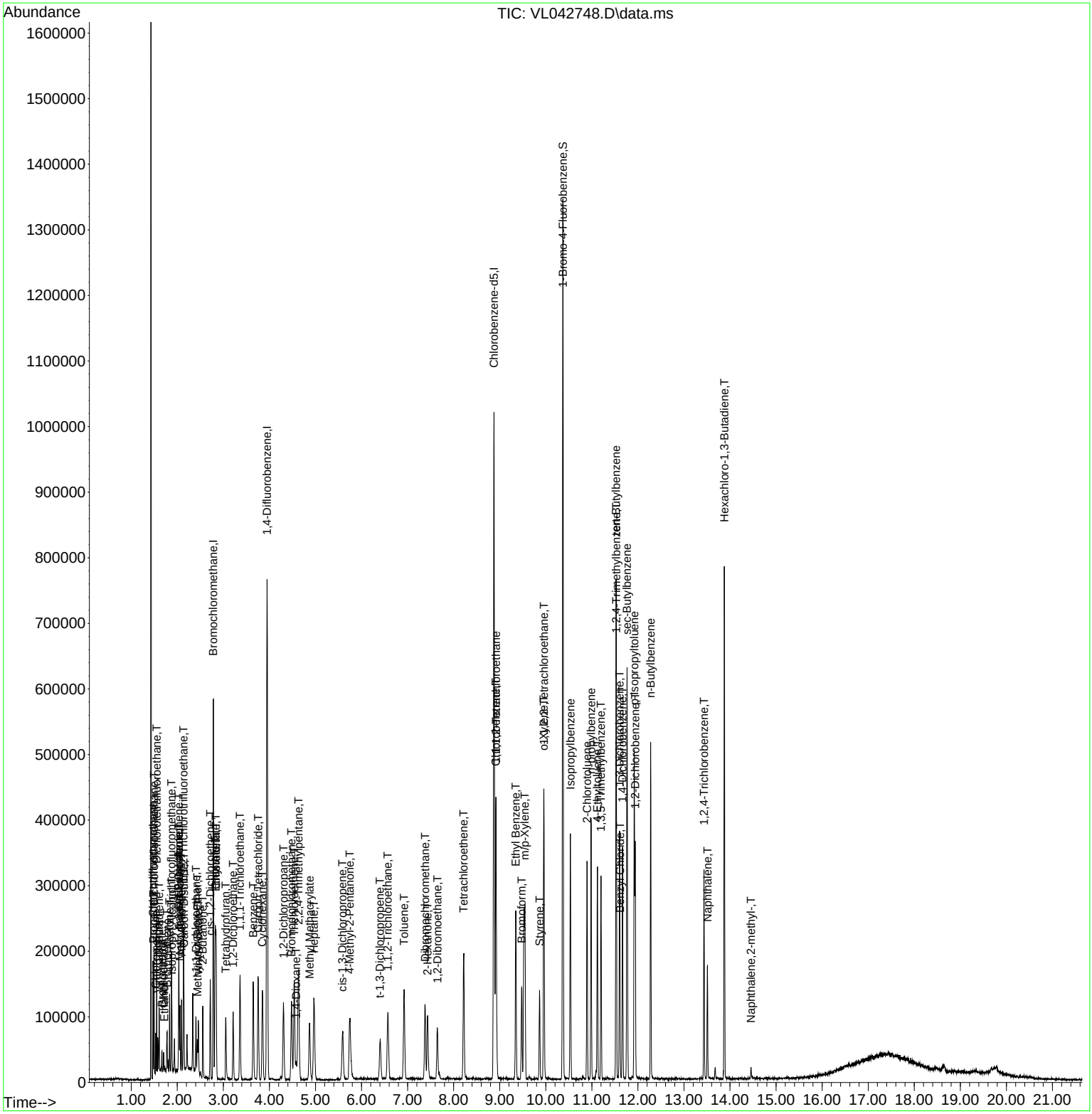
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.583	75	23760	1.084	ppbv		95
47) 1,1,2-Trichloroethane	6.567	97	16867	0.988	ppbv		94
48) Dibromochloromethane	7.380	129	54906	2.026	ppbv		96
49) Bromoform	9.477	173	47340	2.003	ppbv		96
50) 4-Methyl-2-Pentanone	5.742	43	39913	0.966	ppbv	#	28
51) 2-Hexanone	7.431	43	68093	2.157	ppbv	#	99
52) Tetrachloroethene	8.215	164	34568	1.917	ppbv		94
53) Toluene	6.923	91	98346	2.111	ppbv		100
54) 1,2-Dibromoethane	7.645	107	49346	2.042	ppbv		91
56) 1,1,1,2-Tetrachloroethane	8.920	131	44409	2.079	ppbv		92
57) Chlorobenzene	8.914	112	83503	2.101	ppbv	#	92
58) Ethyl Benzene	9.348	91	143251	2.208	ppbv		97
59) m/p-Xylene	9.545	91	91147	1.758	ppbv	#	30
60) o-Xylene	9.956	91	113462	2.190	ppbv		99
61) Styrene	9.865	104	45351	2.081	ppbv		100
62) Isopropylbenzene	10.535	105	167108	2.187	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.959	83	65928	1.954	ppbv		100
64) n-propylbenzene	10.982	120	43789	2.198	ppbv		98
65) tert-Butylbenzene	11.526	119	151081	2.226	ppbv		98
66) Benzyl Chloride	11.610	91	10485	1.882	ppbv		98
67) sec-Butylbenzene	11.762	105	212925	2.206	ppbv		99
69) p-Isopropyltoluene	11.921	119	175553	2.230	ppbv		99
70) n-Butylbenzene	12.277	91	171675	2.258	ppbv		99
71) 2-Chlorotoluene	10.898	91	125039	2.134	ppbv		98
72) 4-Ethyltoluene	11.121	105	134097	2.168	ppbv		98
73) 1,3,5-Trimethylbenzene	11.199	105	108055	2.122	ppbv		97
74) 1,2,4-Trimethylbenzene	11.532	105	122295	2.201	ppbv		95
75) 1,3-Dichlorobenzene	11.600	146	85254	2.188	ppbv		99
76) 1,4-Dichlorobenzene	11.665	146	83440	2.189	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	82311	2.150	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	78291	2.259	ppbv		99
79) Naphthalene	13.510	128	79191	1.690	ppbv		98
80) Naphthalene,2-methyl-	14.455	142	5851	1.298	ppbv		90
81) 1,2,4-Trichlorobenzene	13.435	180	51515	1.888	ppbv		99

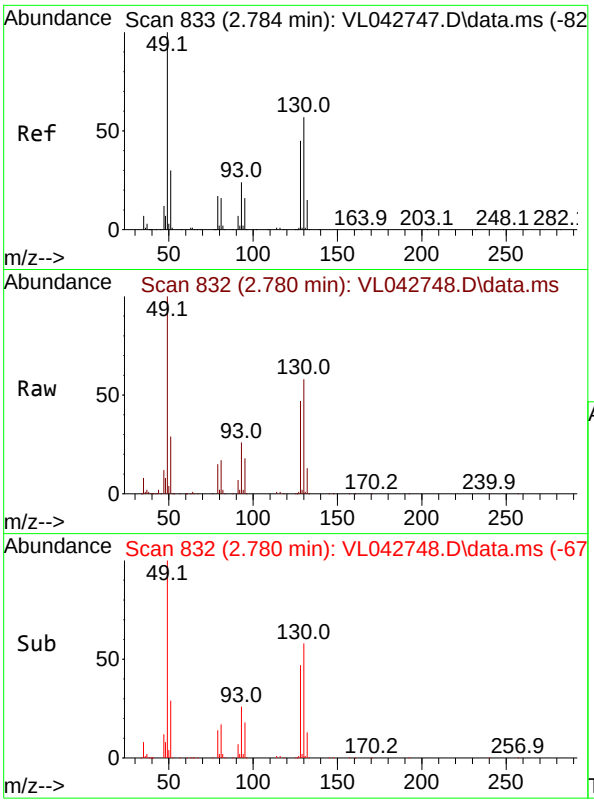
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042748.D
Acq On : 23 Jul 2025 09:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



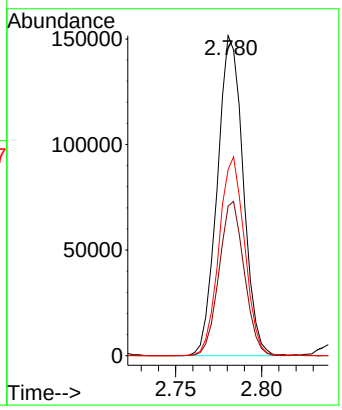


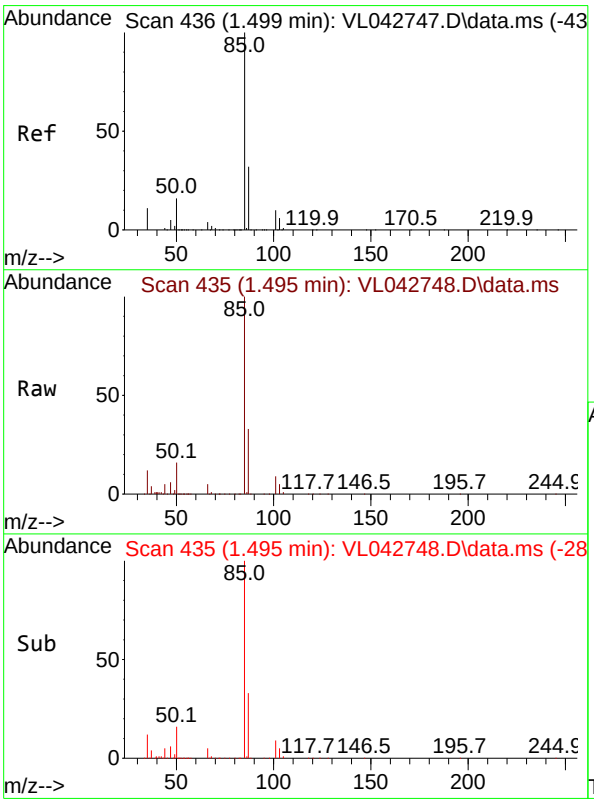
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 158575

Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.6	71.0
130	61.6	30.3	90.8

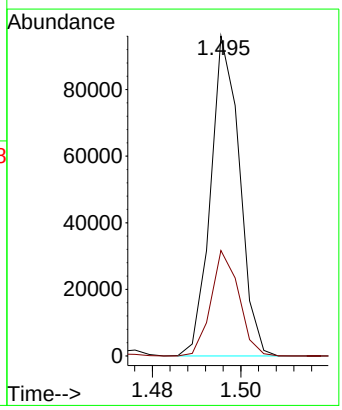


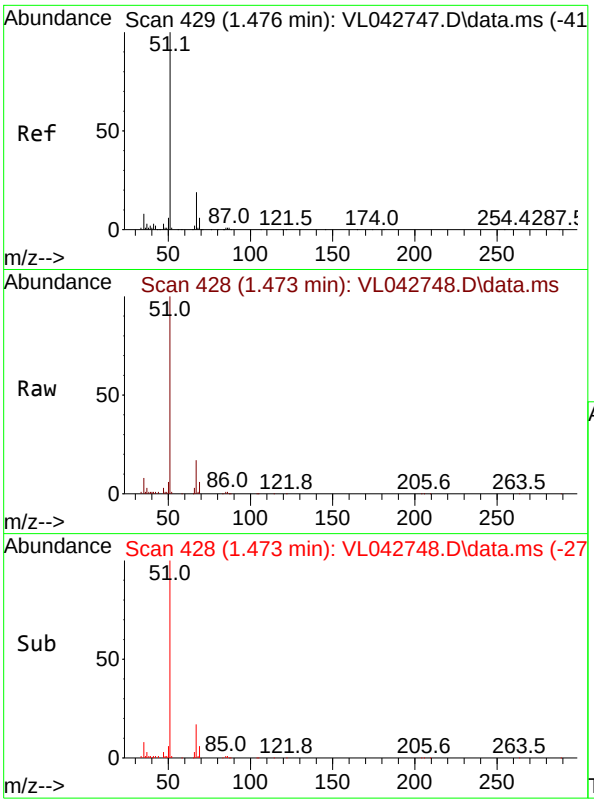


#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 43675

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2



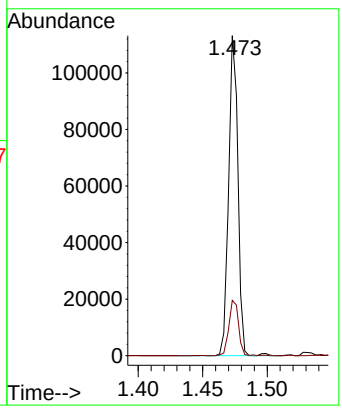


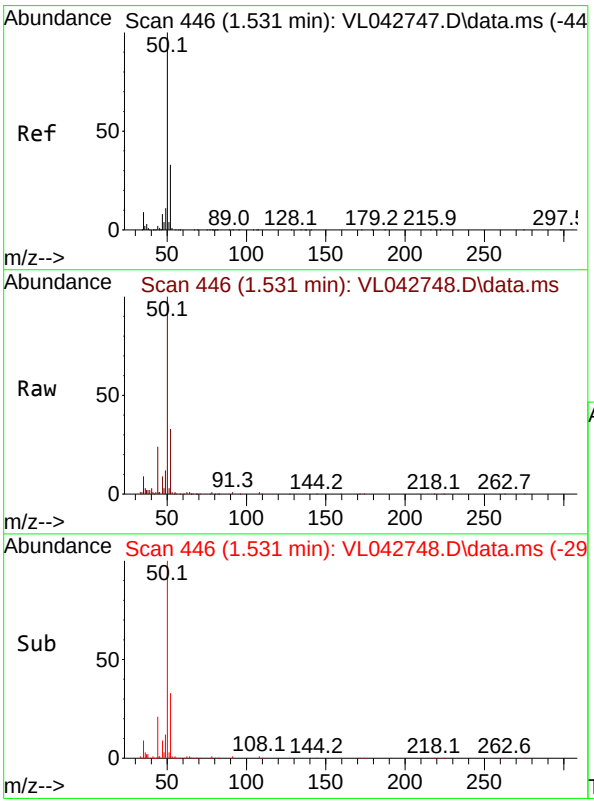
#3
Chlorodifluoromethane
Concen: 2.058 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 56214

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.6

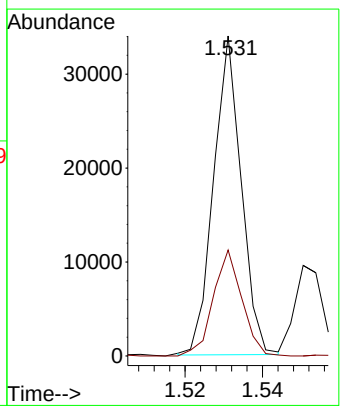


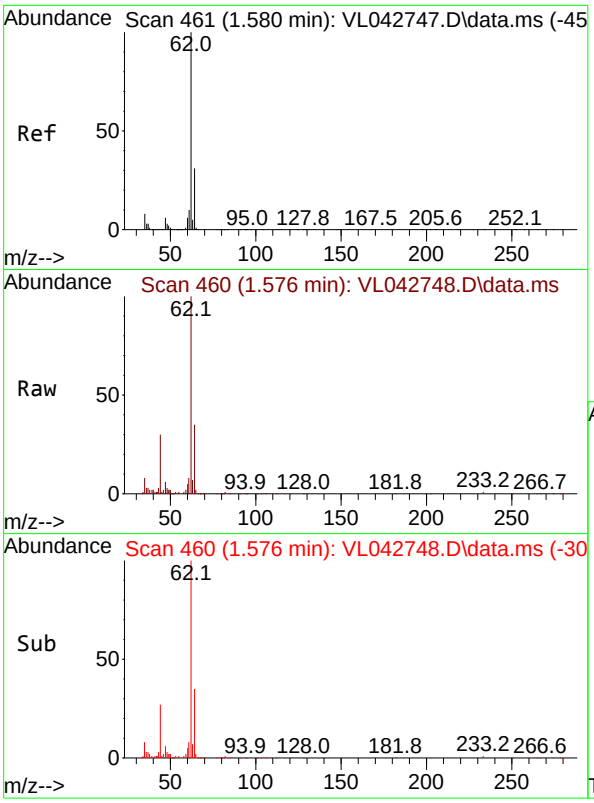


#4
Chloromethane
Concen: 1.985 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 50 Resp: 16834

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.6	40.0



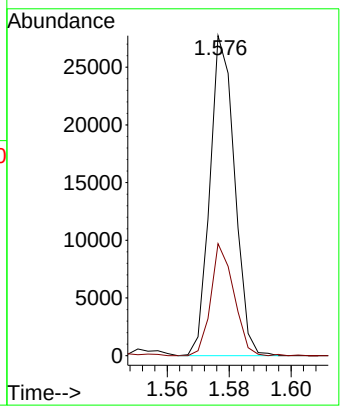


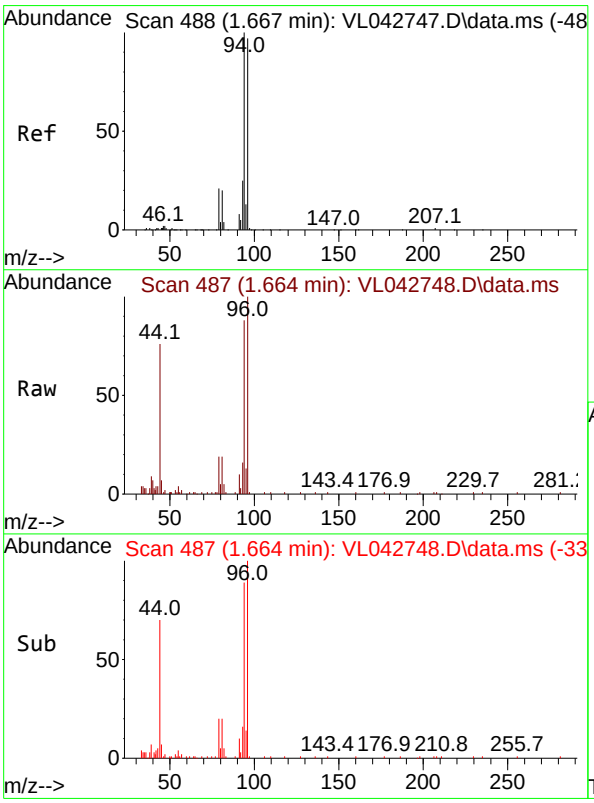
#5
Vinyl Chloride
Concen: 1.836 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 15384

Ion	Ratio	Lower	Upper
62	100		
64	35.0	24.5	36.7

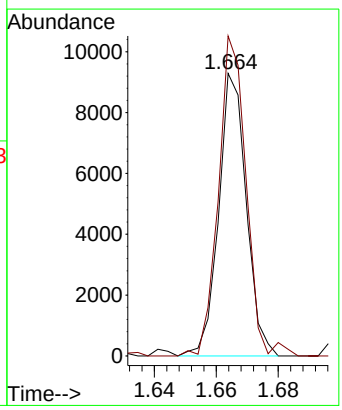


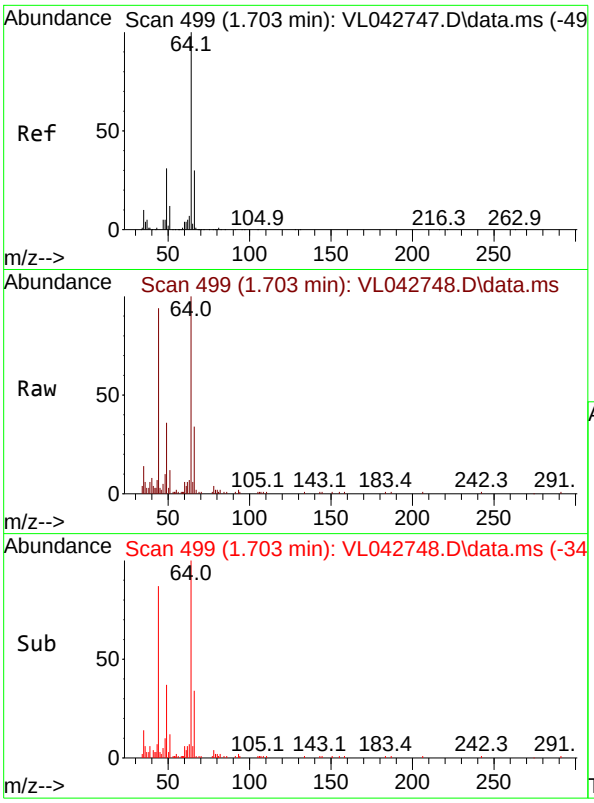


#6
Bromomethane
Concen: 1.776 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 94 Resp: 5754

Ion	Ratio	Lower	Upper
94	100		
96	113.3	77.6	116.4



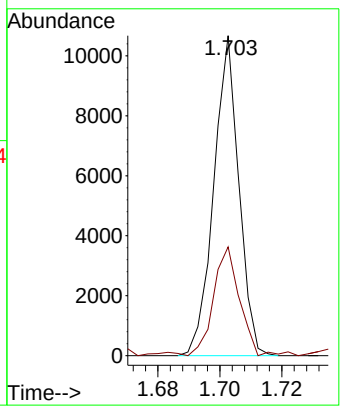


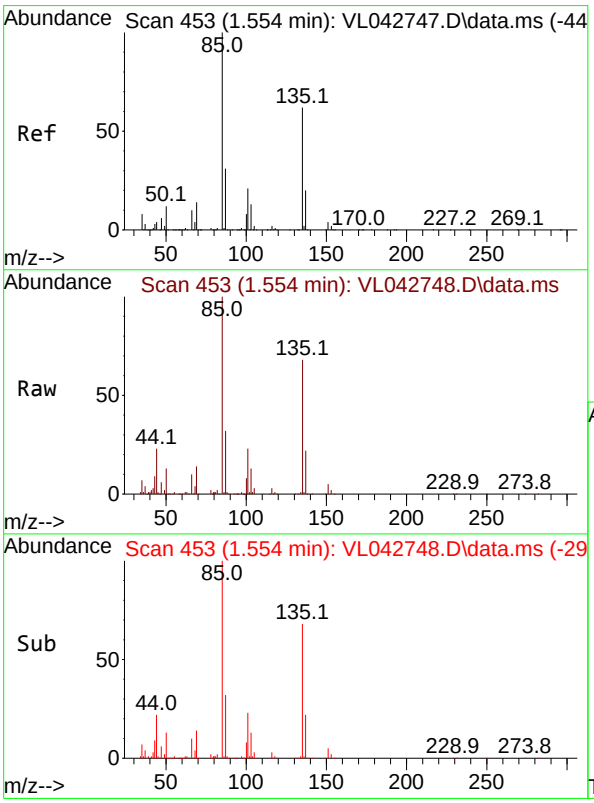
#7
Chloroethane
Concen: 1.853 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 6001

Ion	Ratio	Lower	Upper
64	100		
66	34.0	24.1	36.1

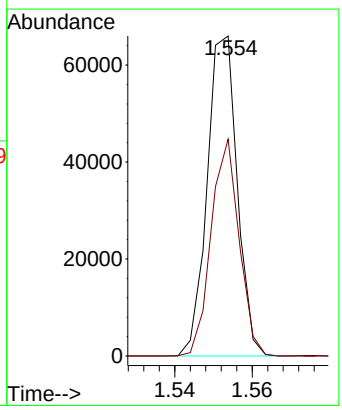


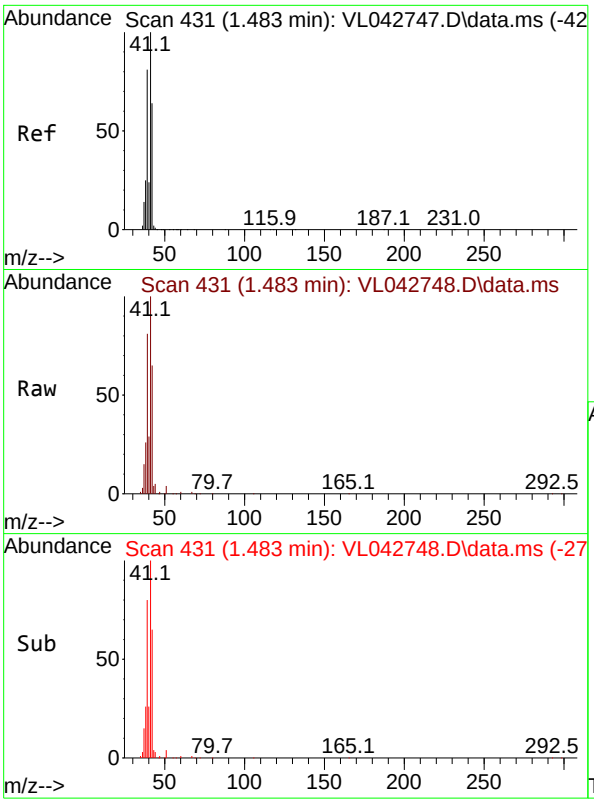


#8
Dichlorotetrafluoroethane
Concen: 2.066 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 35629

Ion	Ratio	Lower	Upper
85	100		
135	63.0	50.6	76.0



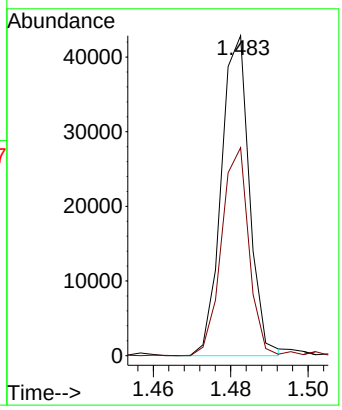


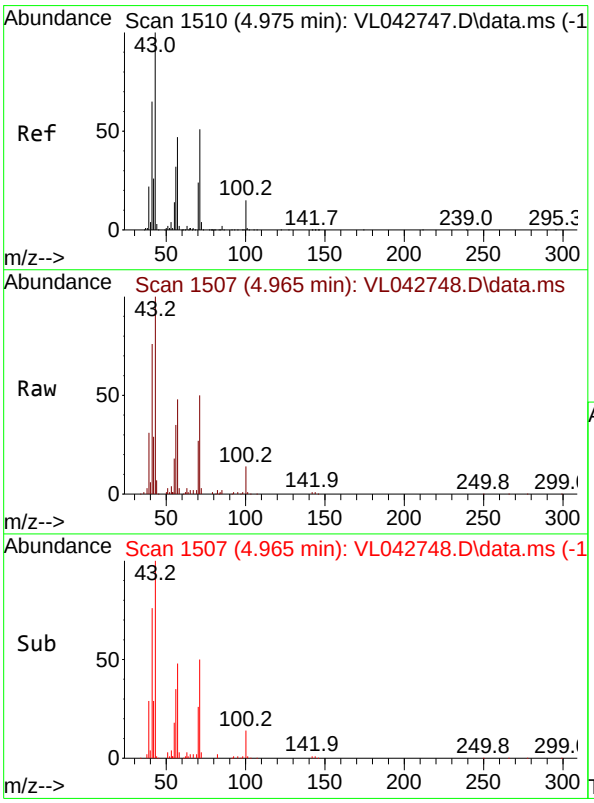
#9
Propene
Concen: 2.175 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 21592

Ion	Ratio	Lower	Upper
41	100		
42	64.5	53.2	79.8

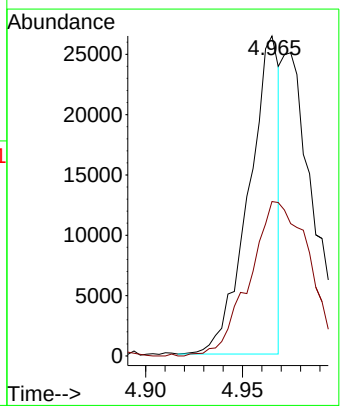


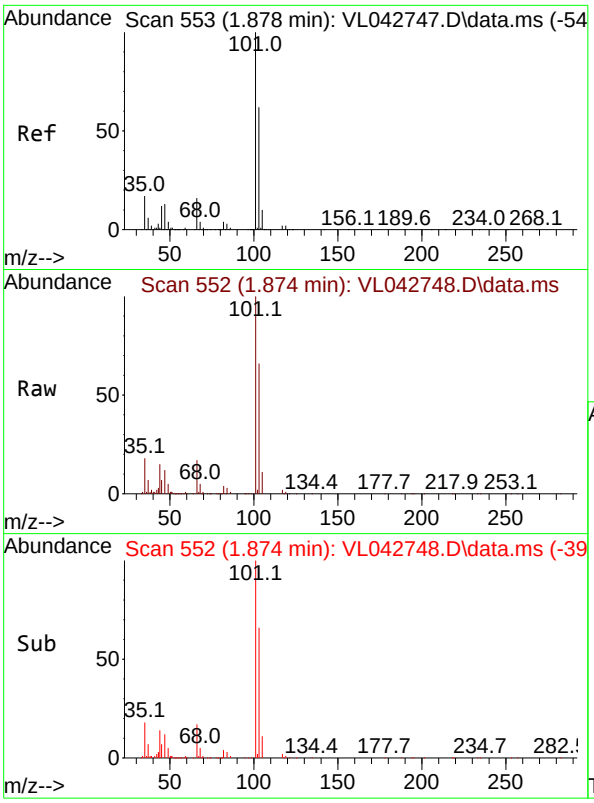


#10
Heptane
Concen: 1.074 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 28682

Ion	Ratio	Lower	Upper
43	100		
57	97.0	39.9	59.9#



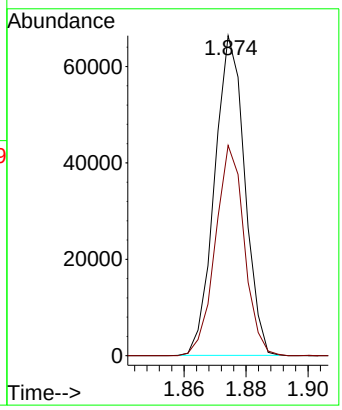


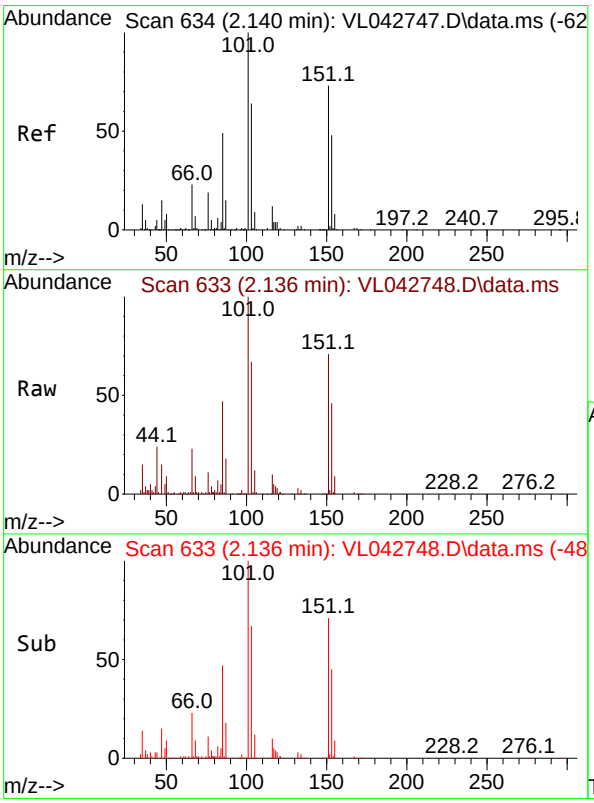
#11
Trichlorofluoromethane
Concen: 2.072 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 44770

Ion	Ratio	Lower	Upper
101	100		
103	65.8	49.6	74.4

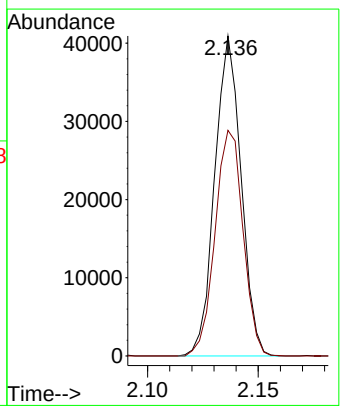


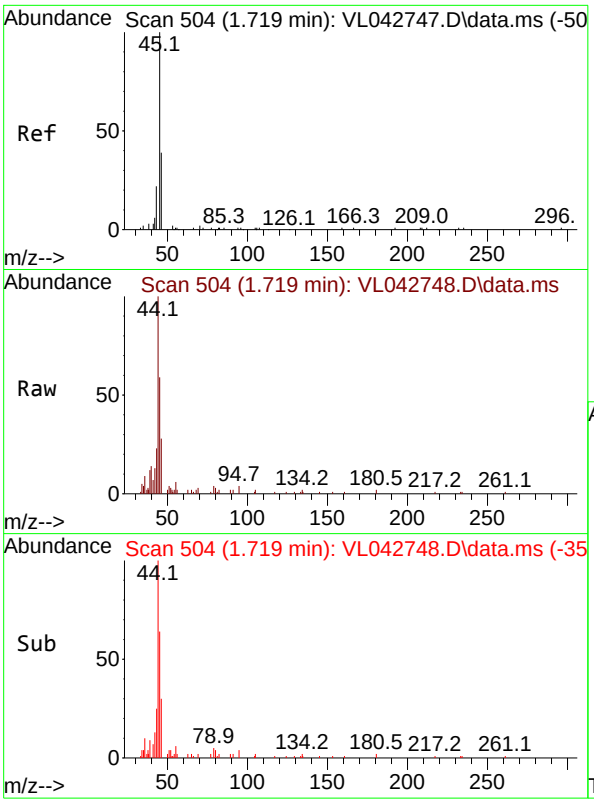


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.065 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 33910

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7



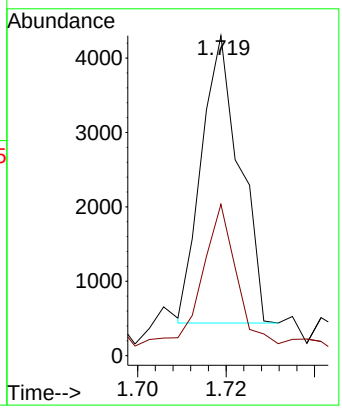


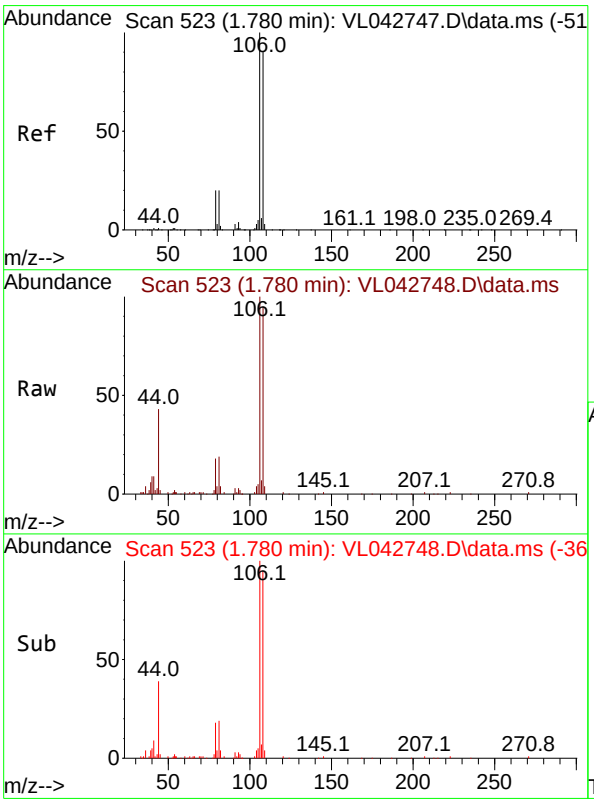
#13
Ethanol
Concen: 2.155 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2321

Ion	Ratio	Lower	Upper
45	100		
46	58.7	17.8	71.4

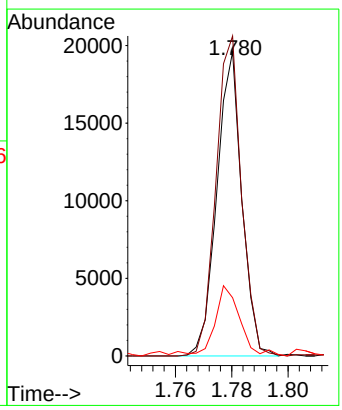


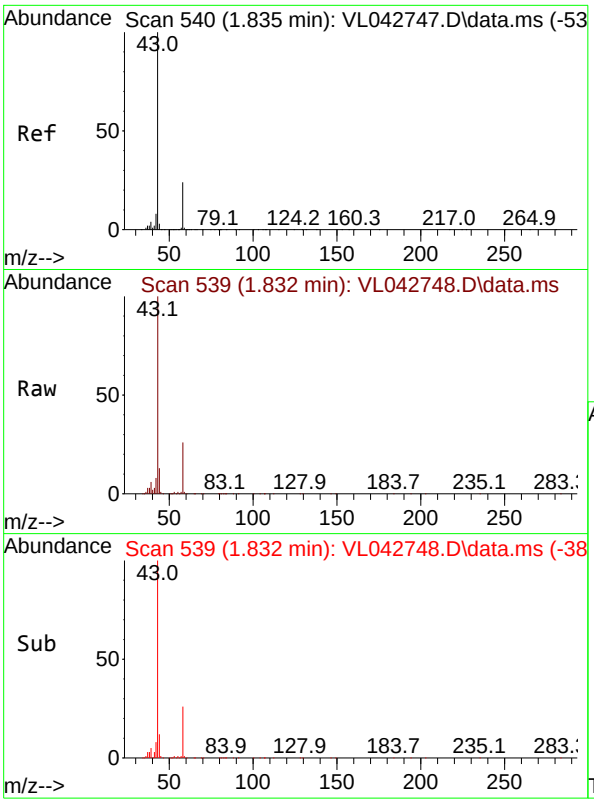


#14
Bromoethene
Concen: 2.077 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:108 Resp: 12078

Ion	Ratio	Lower	Upper
108	100		
106	107.6	84.7	127.1
79	29.2	17.4	26.2#



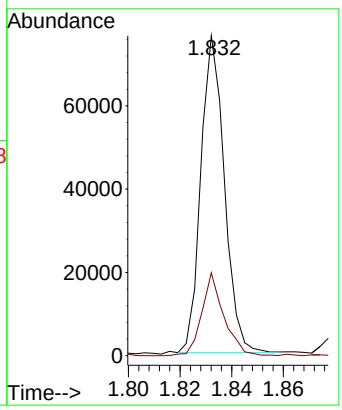


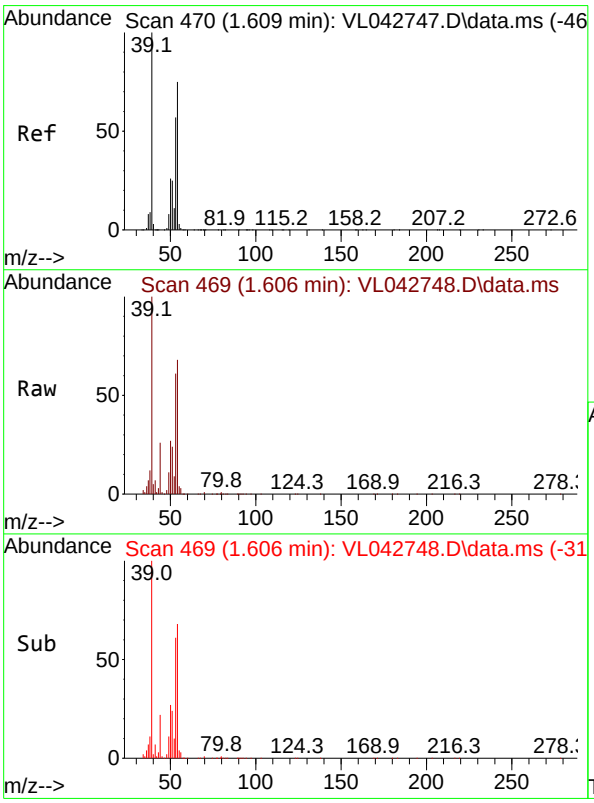
#15
Acetone
Concen: 2.202 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 48226

Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.8	29.8

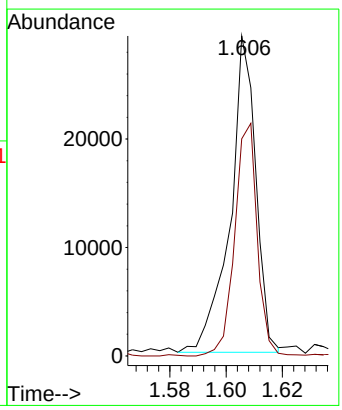


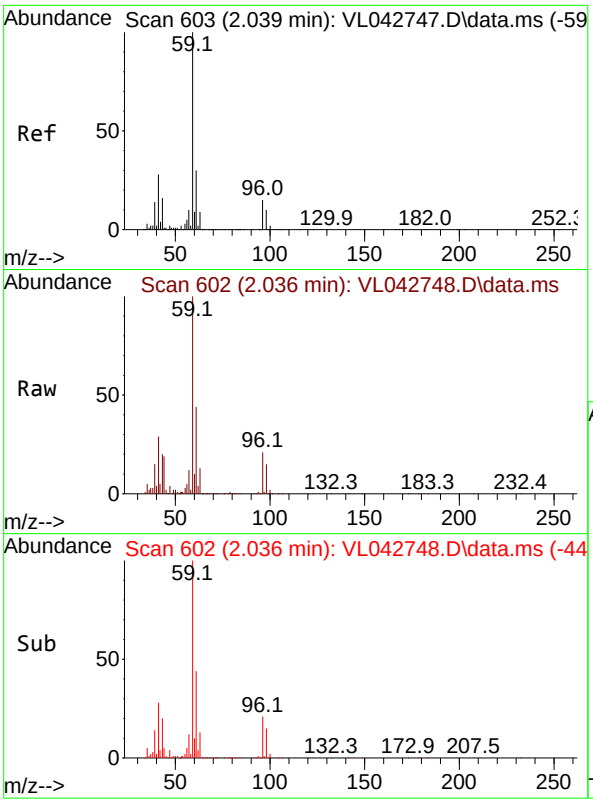


#16
1,3-Butadiene
Concen: 1.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 39 Resp: 18504

Ion	Ratio	Lower	Upper
39	100		
54	65.0	54.5	81.7



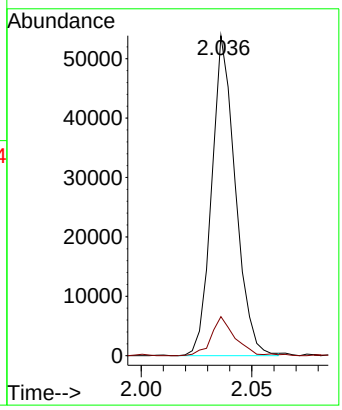


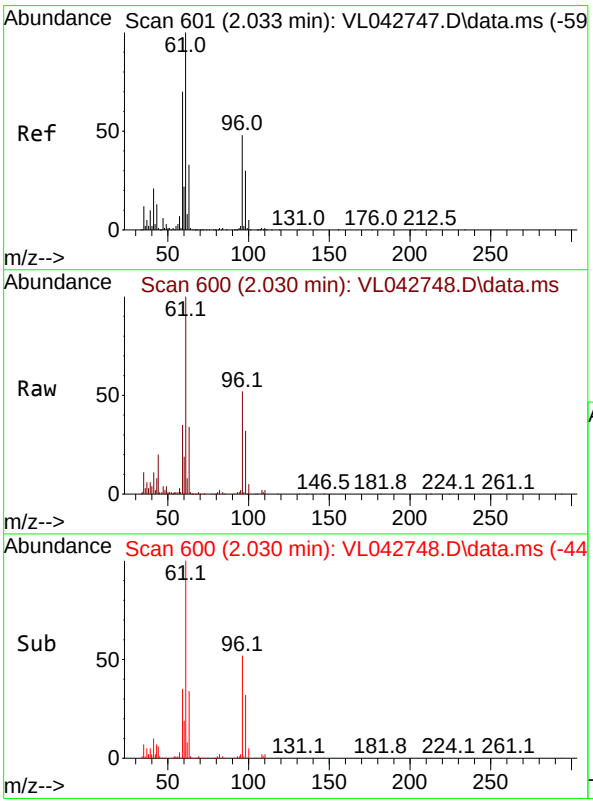
#17
tert-Butyl alcohol
Concen: 2.032 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 40135

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#

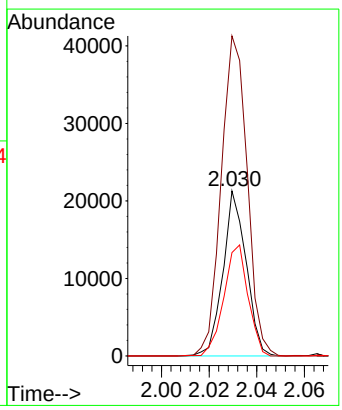


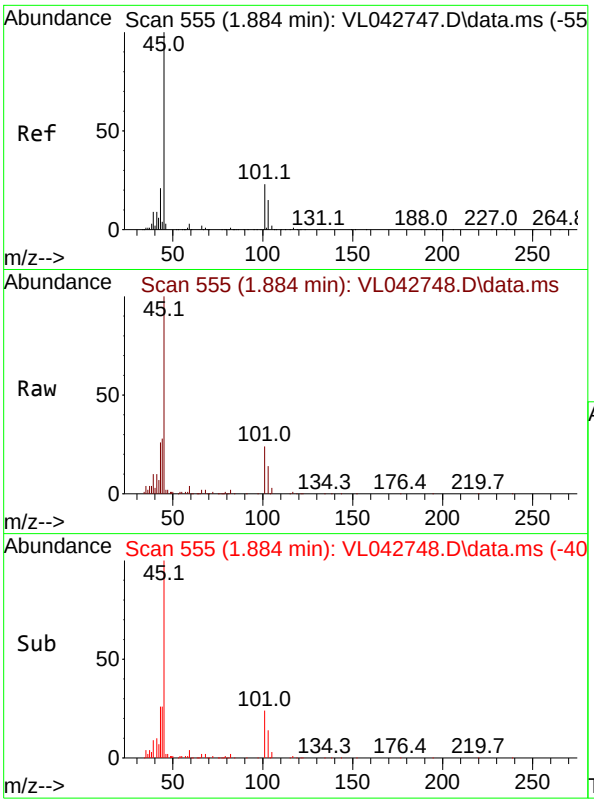


#18
1,1-Dichloroethene
Concen: 1.938 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381

Ion	Ratio	Lower	Upper
96	100		
61	193.9	165.8	248.6
98	62.7	49.9	74.9



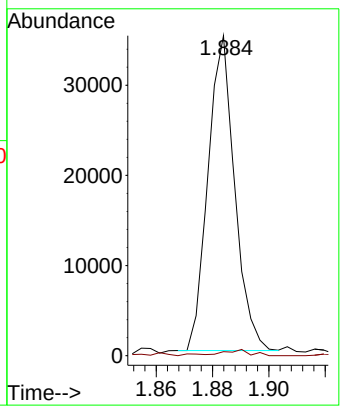


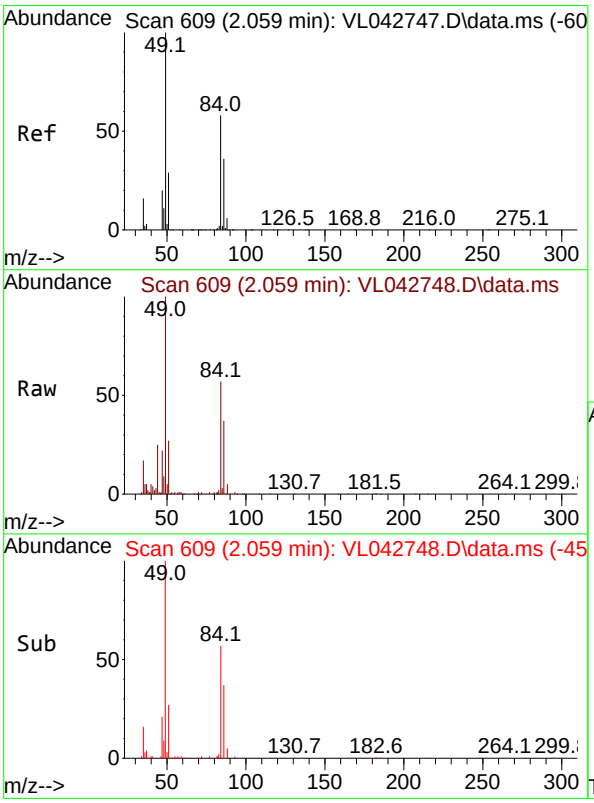
#19
Isopropyl Alcohol
Concen: 1.979 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 23028

Ion	Ratio	Lower	Upper
45	100		
58	52.5	30.0	45.0#

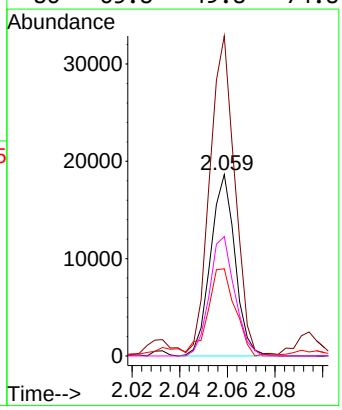


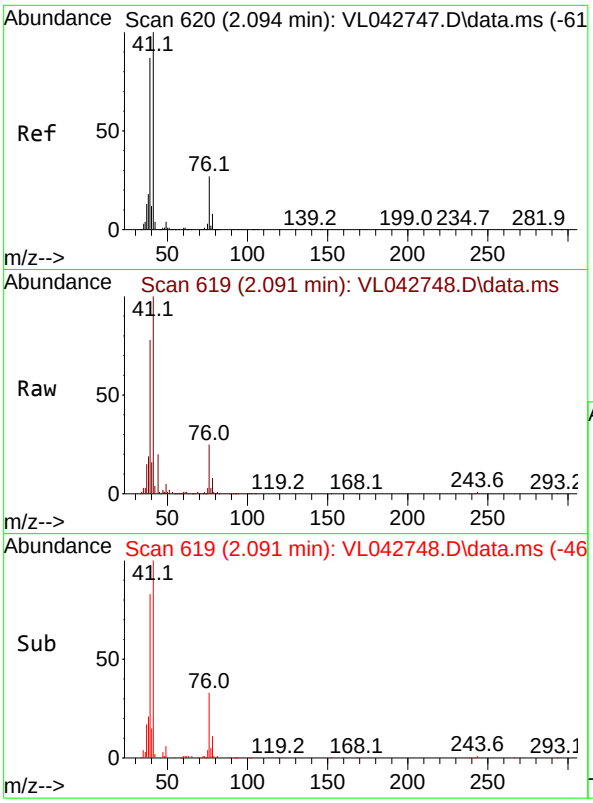


#20
Methylene Chloride
Concen: 1.927 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 13296

Ion	Ratio	Lower	Upper
84	100		
49	175.4	138.6	208.0
51	47.4	40.6	61.0
86	65.8	49.8	74.8



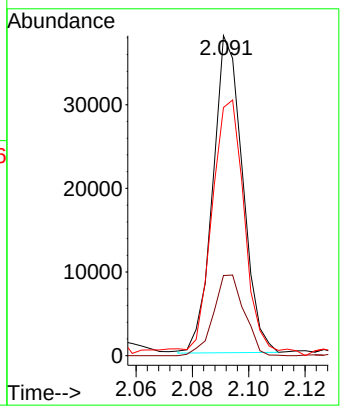


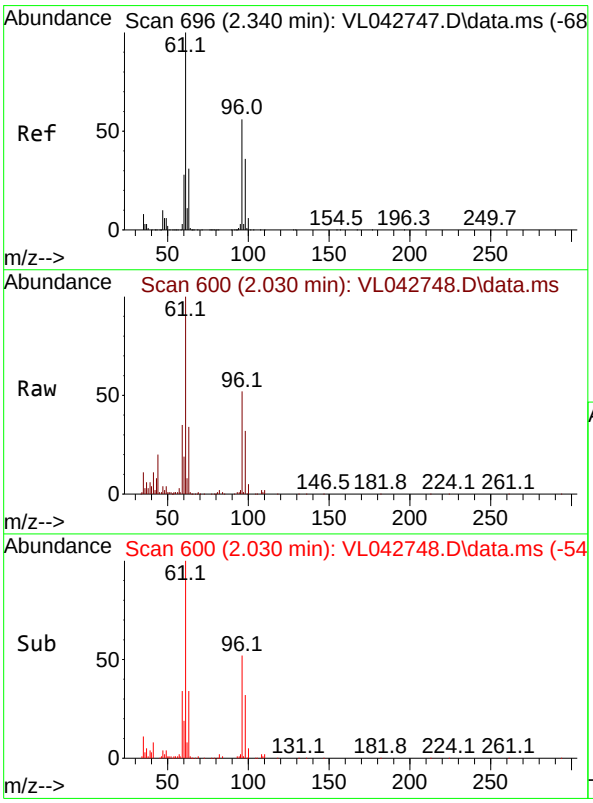
#21
Allyl Chloride
Concen: 2.059 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 27789

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	89.5	68.3	102.5

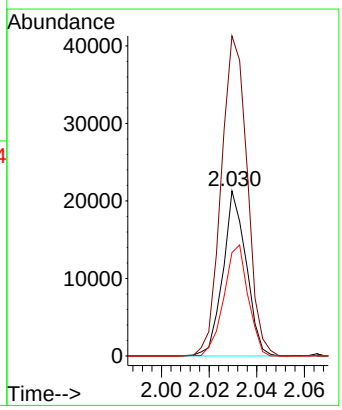


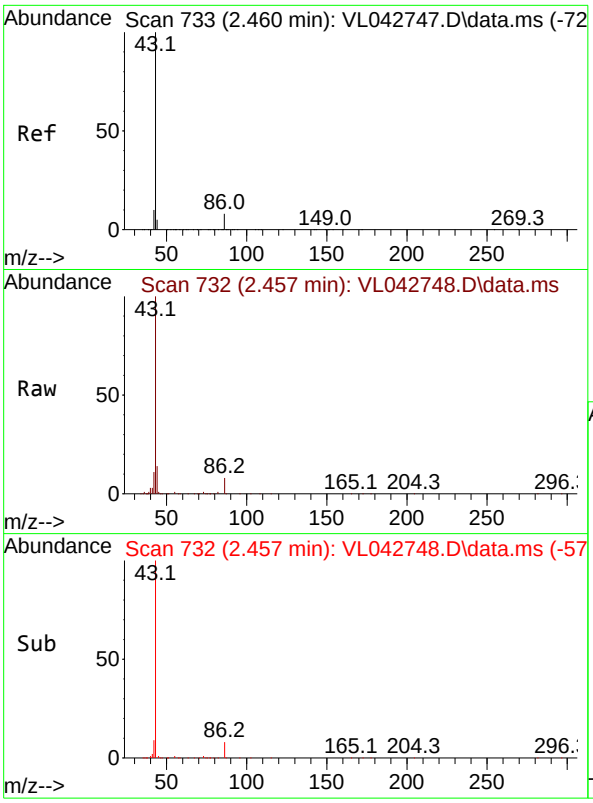


#22
trans-1,2-Dichloroethene
Concen: 1.804 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.311 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381

Ion	Ratio	Lower	Upper
96	100		
61	193.9	142.3	213.5
98	62.7	50.6	76.0



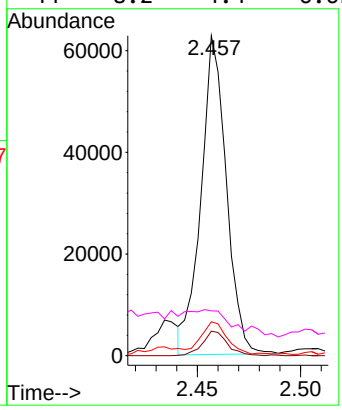


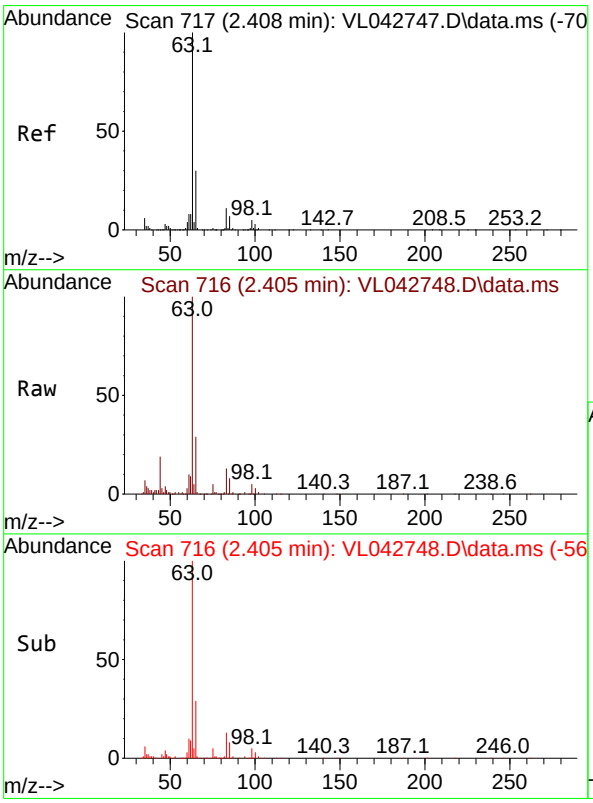
#23
Vinyl Acetate
Concen: 2.017 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 53544

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	10.1	7.8	11.8
44	8.2	4.4	6.6#

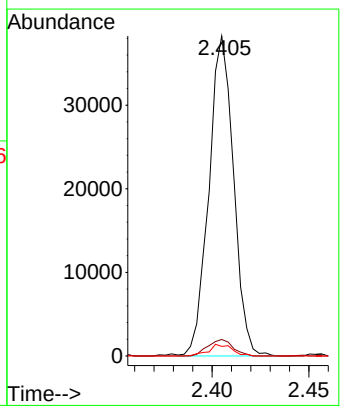


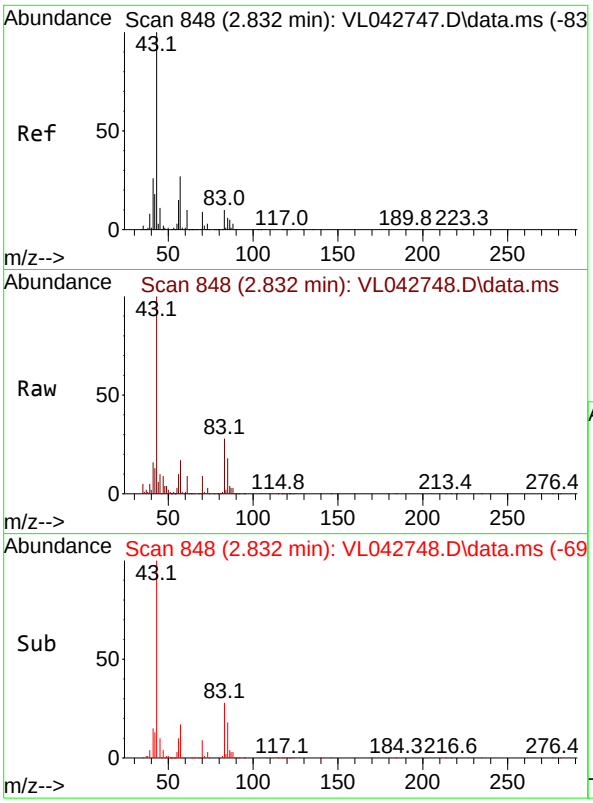


#24
1,1-Dichloroethane
Concen: 2.073 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 63 Resp: 33969

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.5	7.4
100	3.0	1.6	4.8



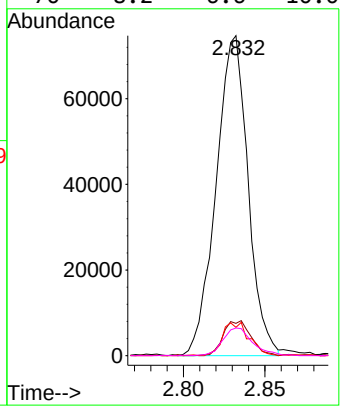


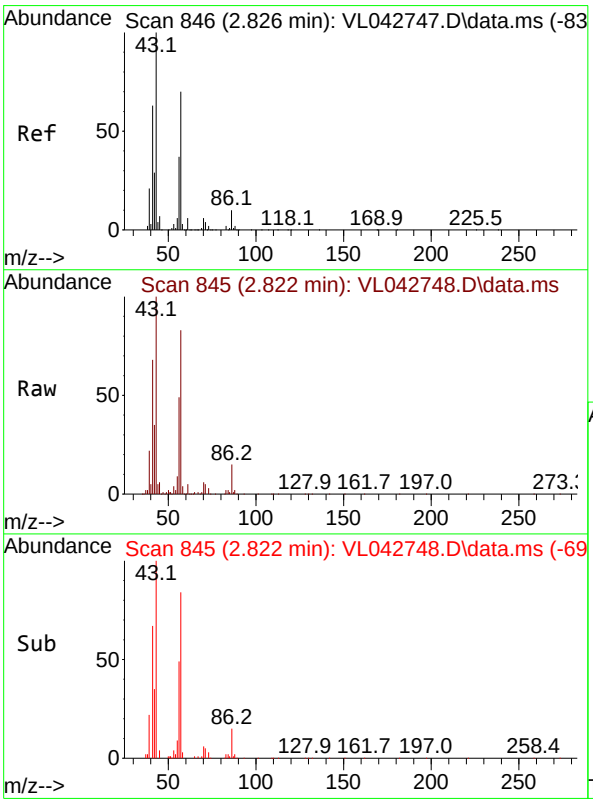
#25
Ethyl Acetate
Concen: 2.101 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 101853

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.9	6.7	10.1
70	8.2	6.6	10.0

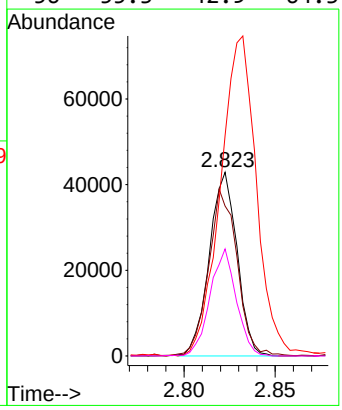


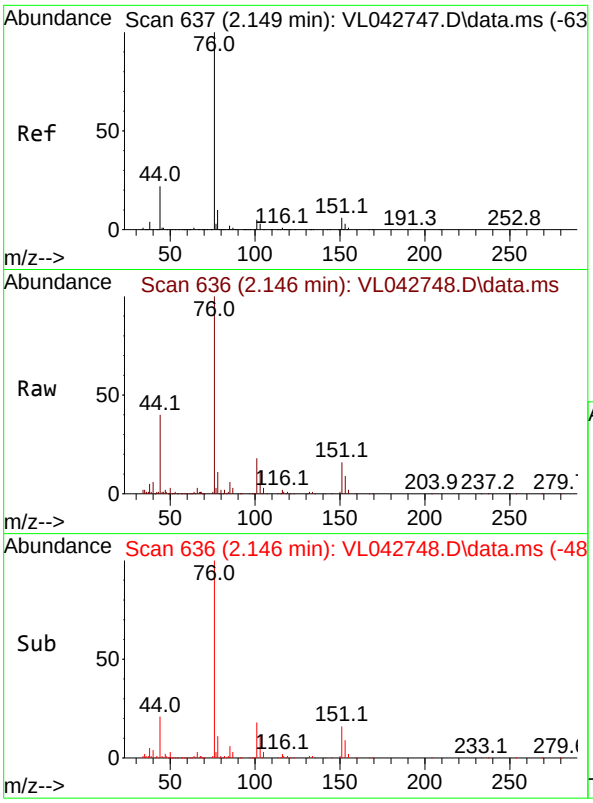


#26
Hexane
Concen: 2.137 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 45446

Ion	Ratio	Lower	Upper
57	100		
41	94.1	75.4	113.2
43	230.2	185.0	277.6
56	55.3	42.9	64.3



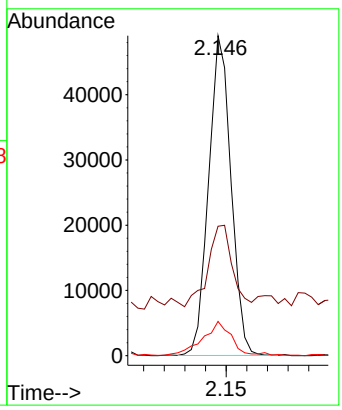


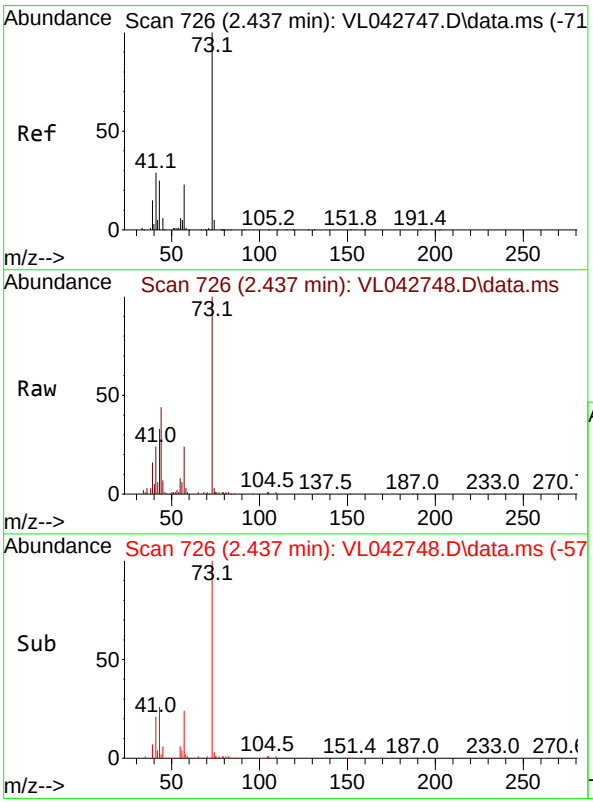
#27
Carbon Disulfide
Concen: 2.030 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 36945

Ion	Ratio	Lower	Upper
76	100		
44	71.1	19.3	28.9#
78	13.6	9.9	14.9

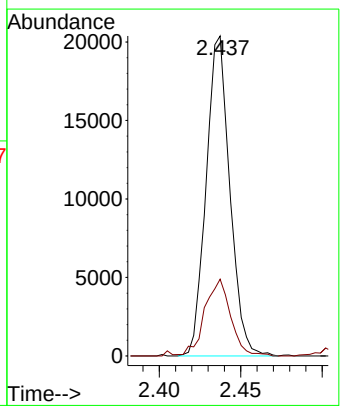


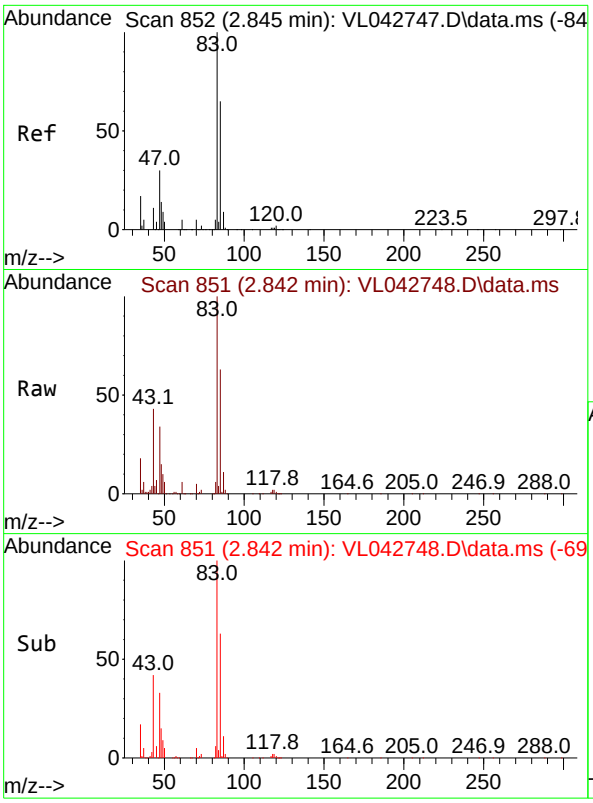


#28
Methyl tert-Butyl Ether
Concen: 2.051 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 73 Resp: 20603

Ion	Ratio	Lower	Upper
73	100		
57	26.7	19.8	29.8



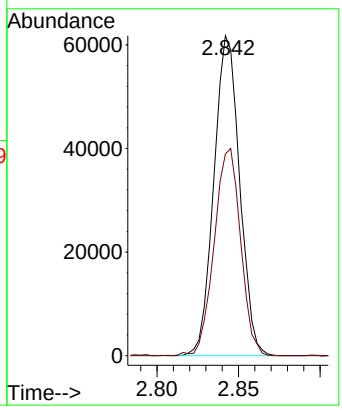


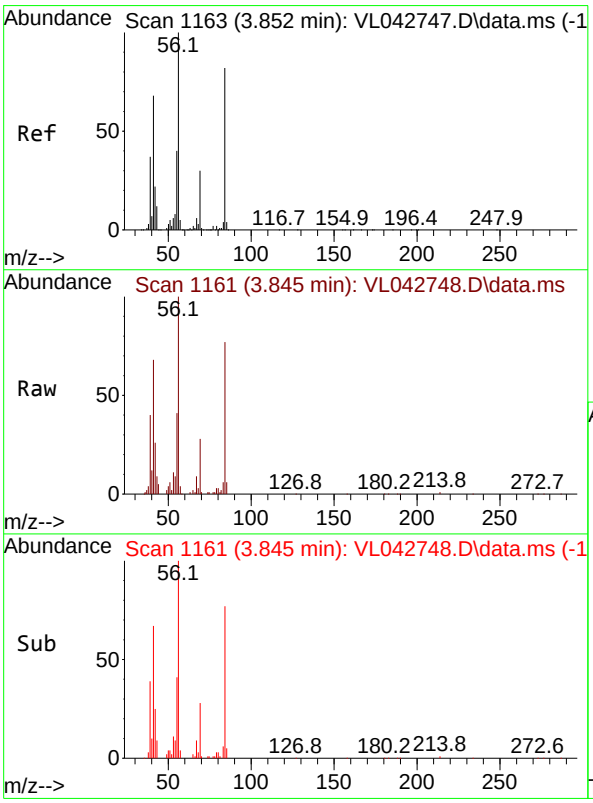
#29
Chloroform
Concen: 2.062 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 67755

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2

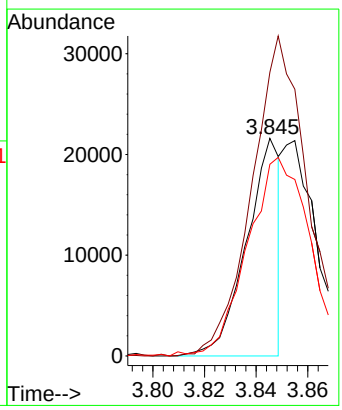


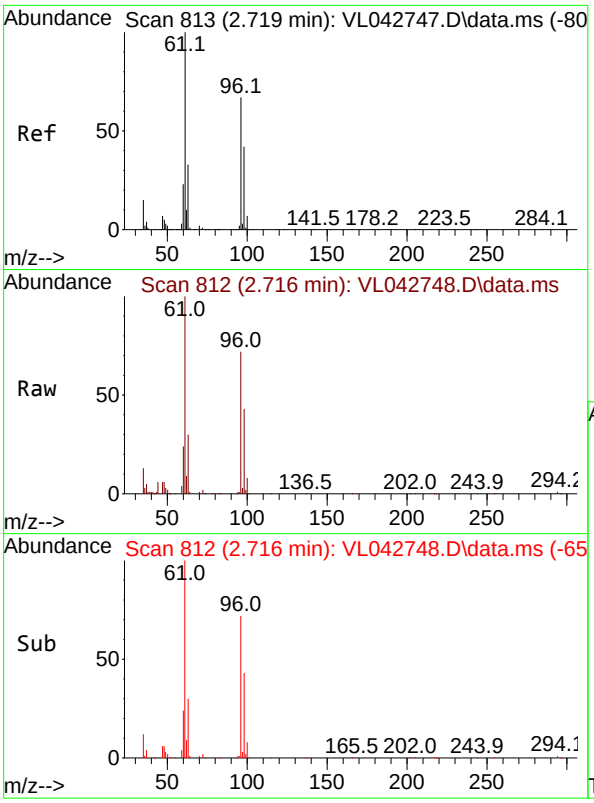


#30
Cyclohexane
Concen: 1.075 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 19383

Ion	Ratio	Lower	Upper
84	100		
56	245.5	97.5	146.3#
41	171.7	67.2	100.8#



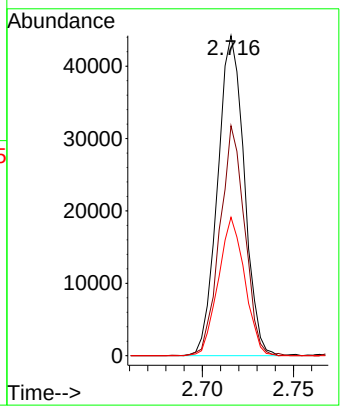


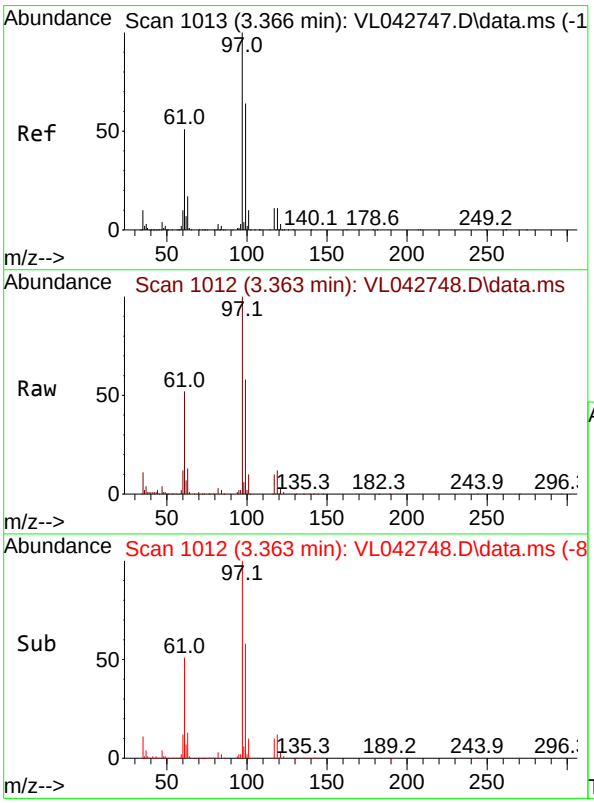
#31
cis-1,2-Dichloroethene
Concen: 2.053 ppbv
RT: 2.716 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 44860

Ion	Ratio	Lower	Upper
61	100		
96	71.8	53.5	80.3
98	43.3	33.6	50.4

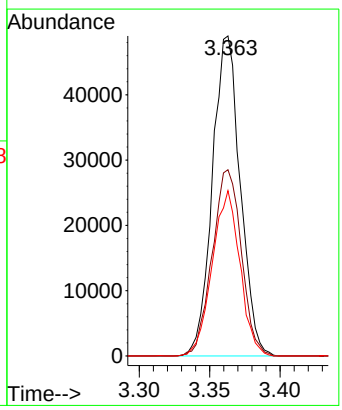


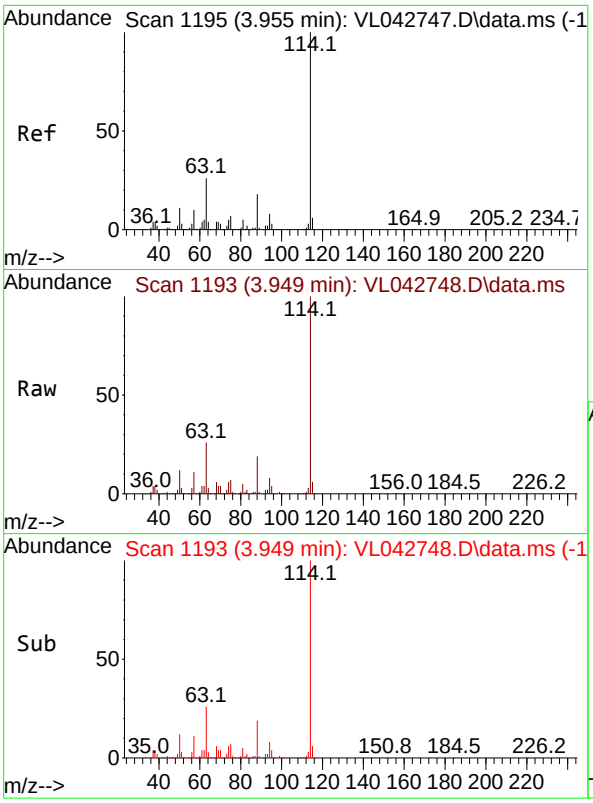


#32
1,1,1-Trichloroethane
Concen: 1.976 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 67608

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.0	76.6
61	51.3	40.9	61.3



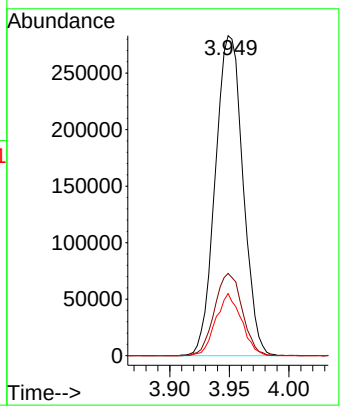


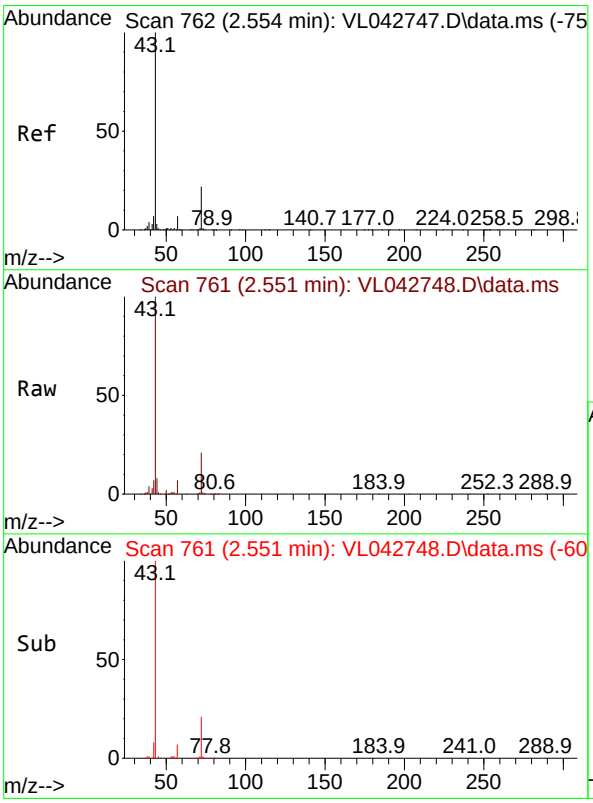
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 457804

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	18.0	14.0	21.0

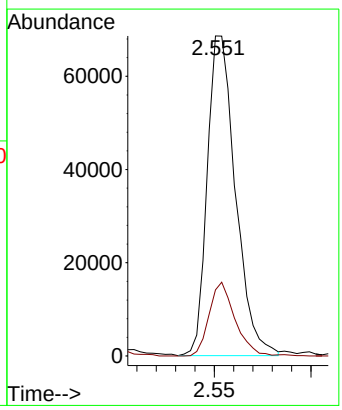


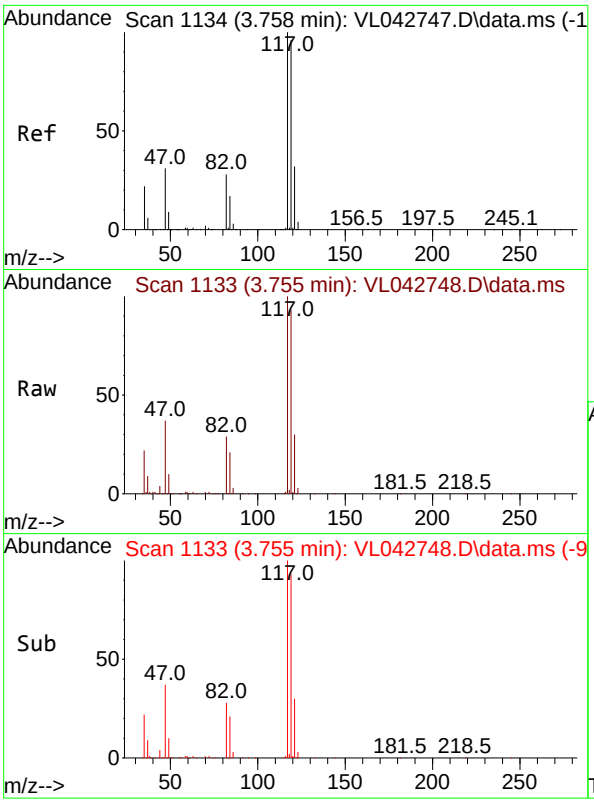


#34
2-Butanone
Concen: 2.149 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 69674

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0



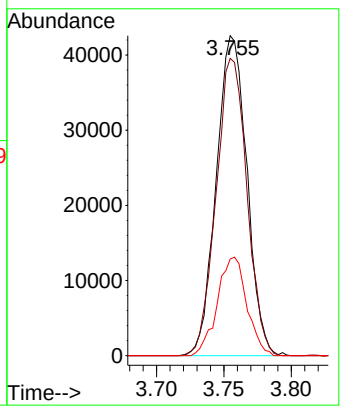


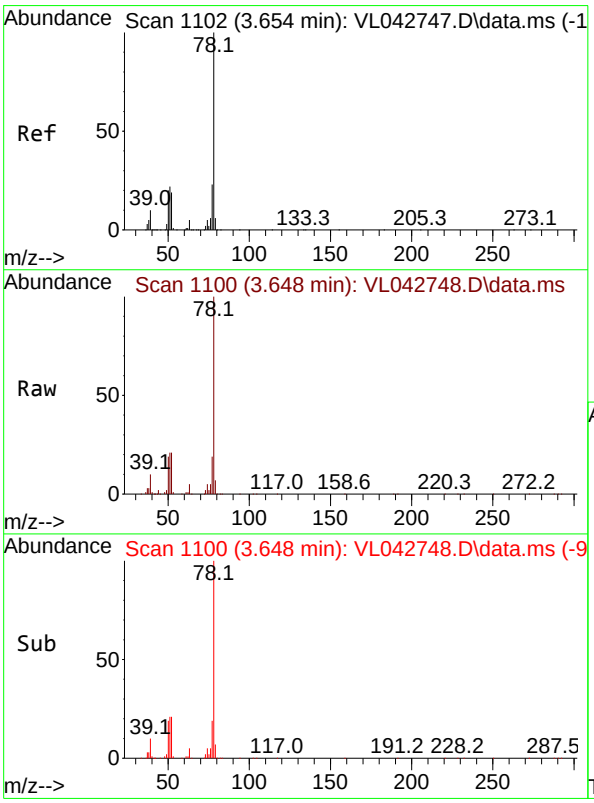
#35
Carbon Tetrachloride
Concen: 1.979 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 67338

Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.1	115.7
121	30.2	25.5	38.3

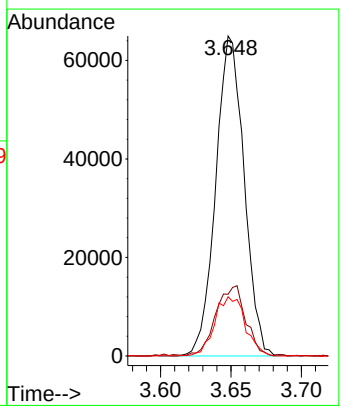


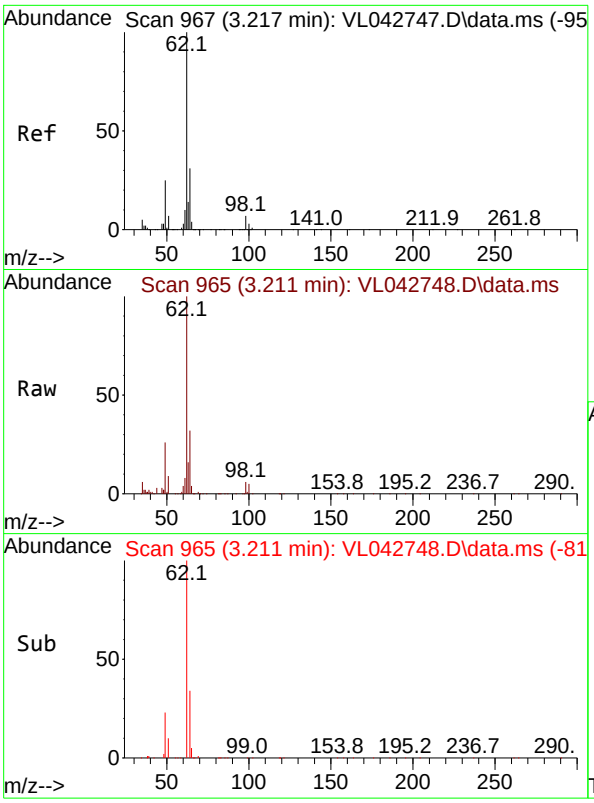


#36
Benzene
Concen: 2.101 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 78 Resp: 91141

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.5	27.7
50	18.5	16.2	24.2



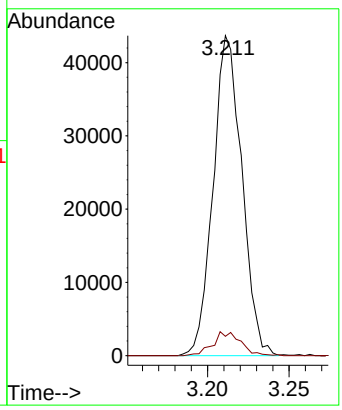


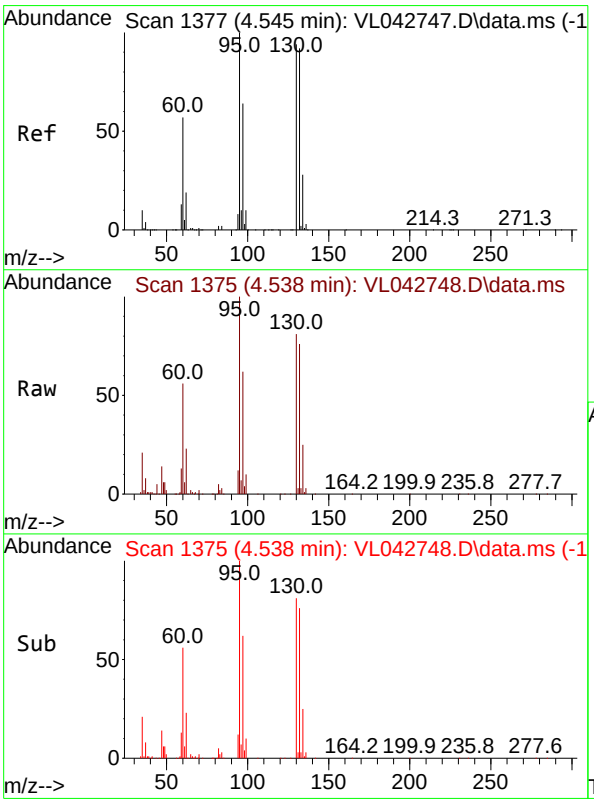
#37
1,2-Dichloroethane
Concen: 2.046 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 53482

Ion	Ratio	Lower	Upper
62	100		
98	7.3	5.2	7.8

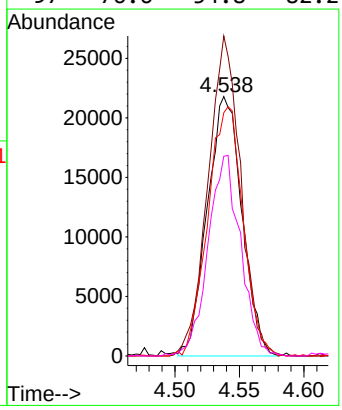


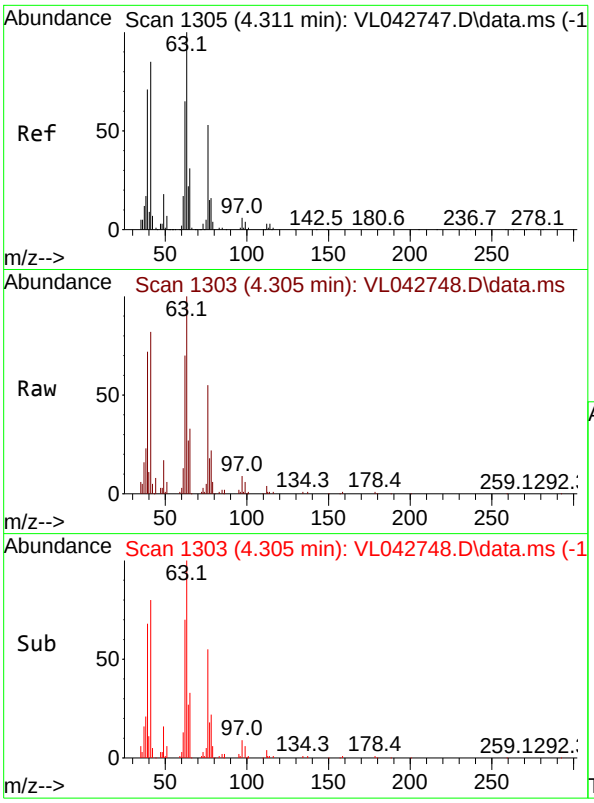


#38
Trichloroethene
Concen: 1.946 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:130 Resp: 40713

Ion	Ratio	Lower	Upper
130	100		
95	122.9	85.4	128.2
132	94.1	78.2	117.2
97	76.6	54.8	82.2



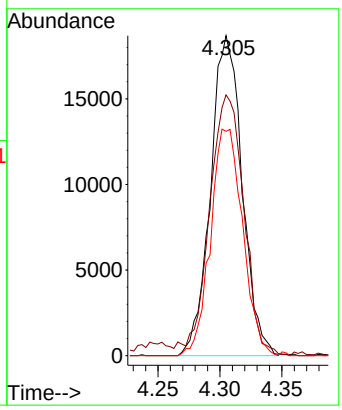


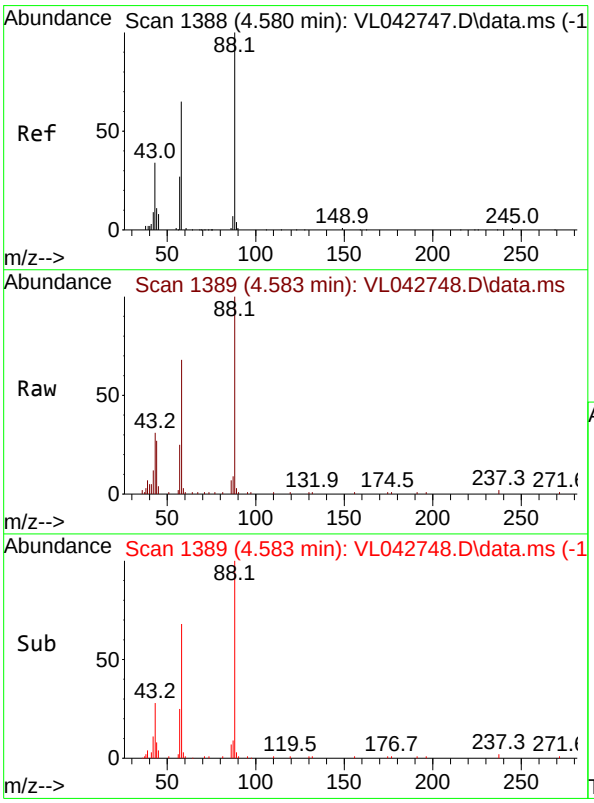
#39
1,2-Dichloropropane
Concen: 2.075 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 33225

Ion	Ratio	Lower	Upper
63	100		
41	80.8	68.2	102.4
62	70.1	52.0	78.0

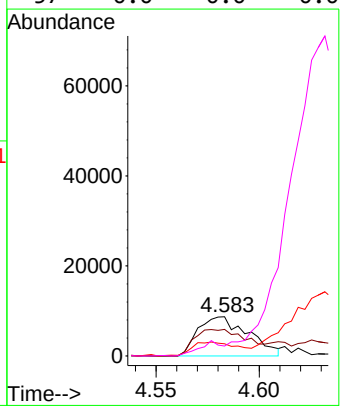


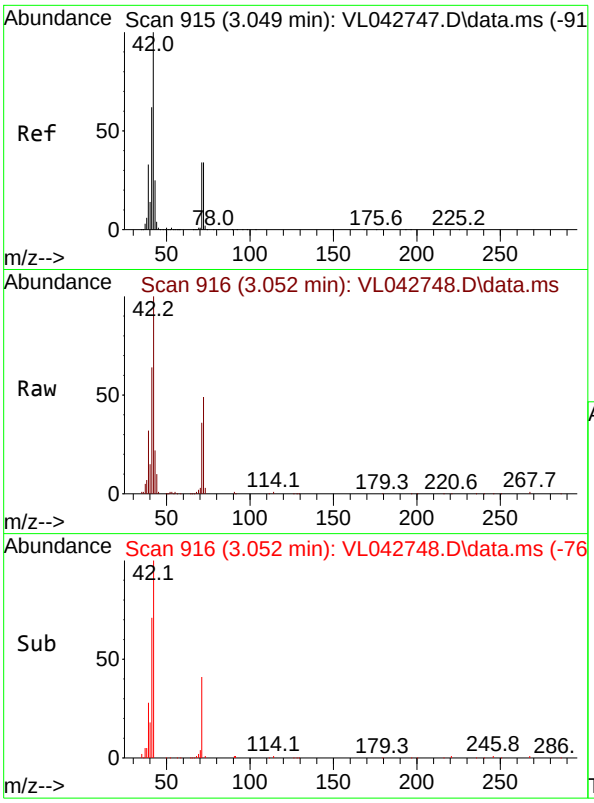


#40
1,4-Dioxane
Concen: 1.953 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 88 Resp: 14747

Ion	Ratio	Lower	Upper
88	100		
58	87.2	58.8	88.2
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



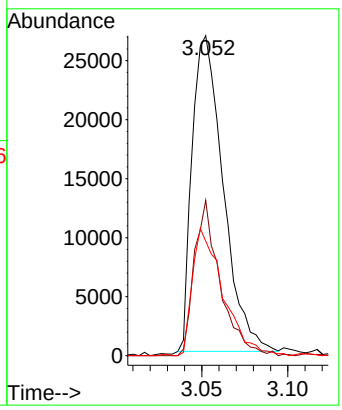


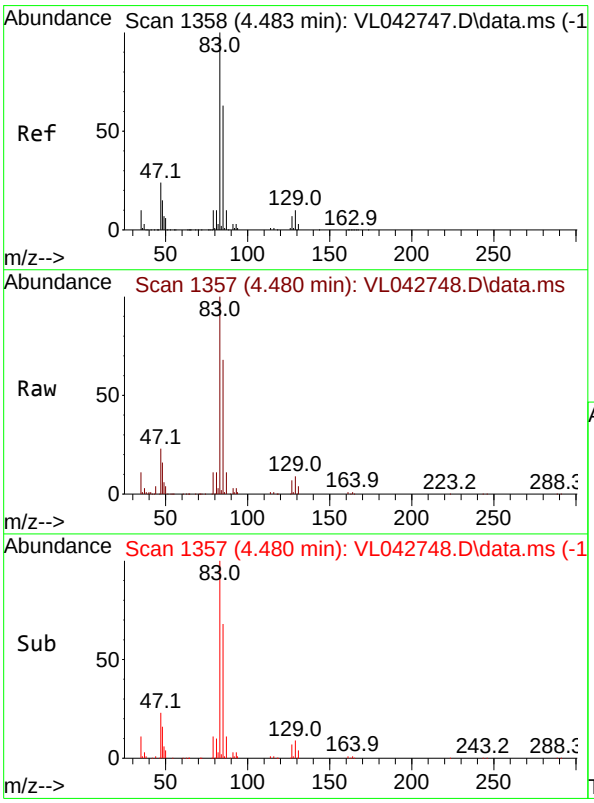
#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 33618

Ion	Ratio	Lower	Upper
42	100		
72	41.3	30.9	46.3
71	40.4	28.6	43.0

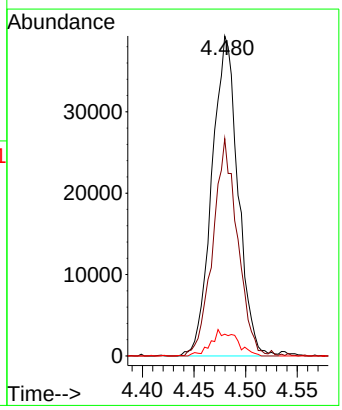


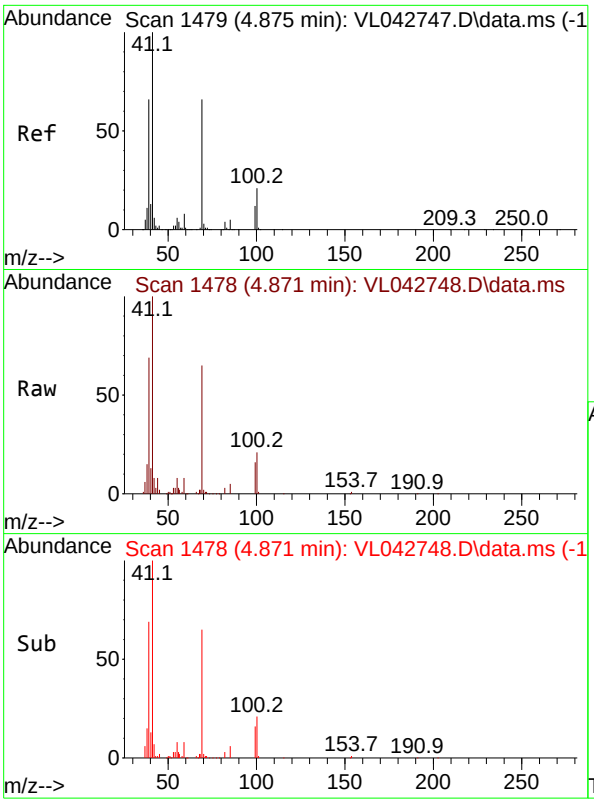


#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 69093

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.4
127	6.8	5.4	8.2



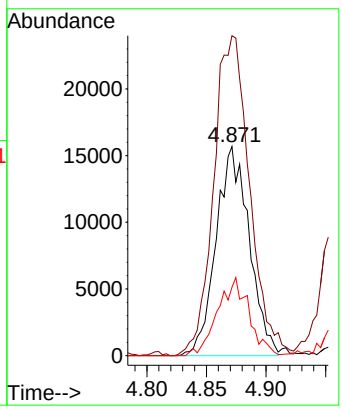


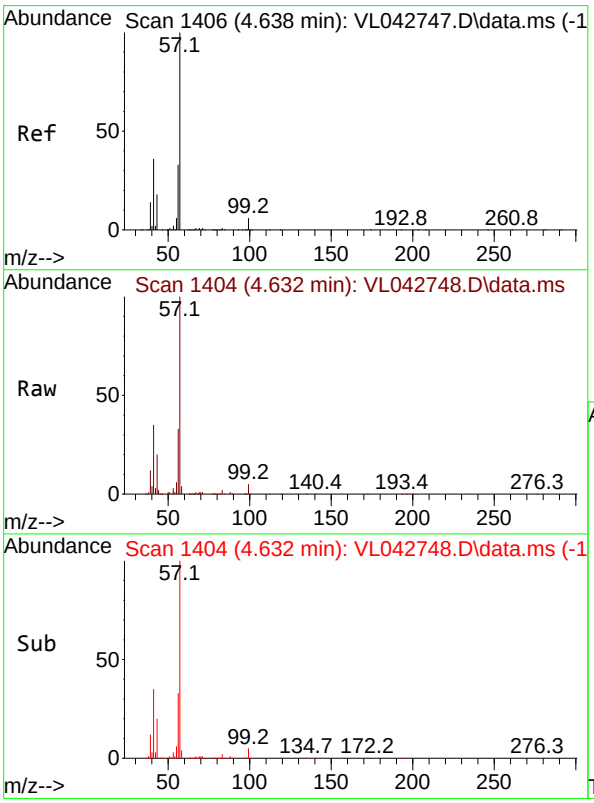
#43
Methyl Methacrylate
Concen: 1.967 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 30336

Ion	Ratio	Lower	Upper
69	100		
41	164.3	125.7	188.5
100	35.5	28.6	42.8

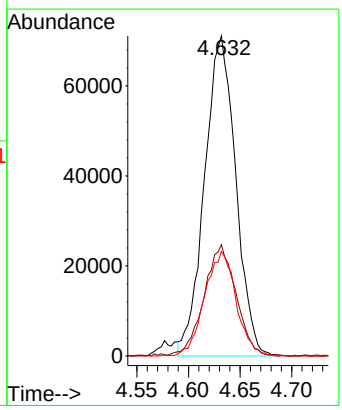


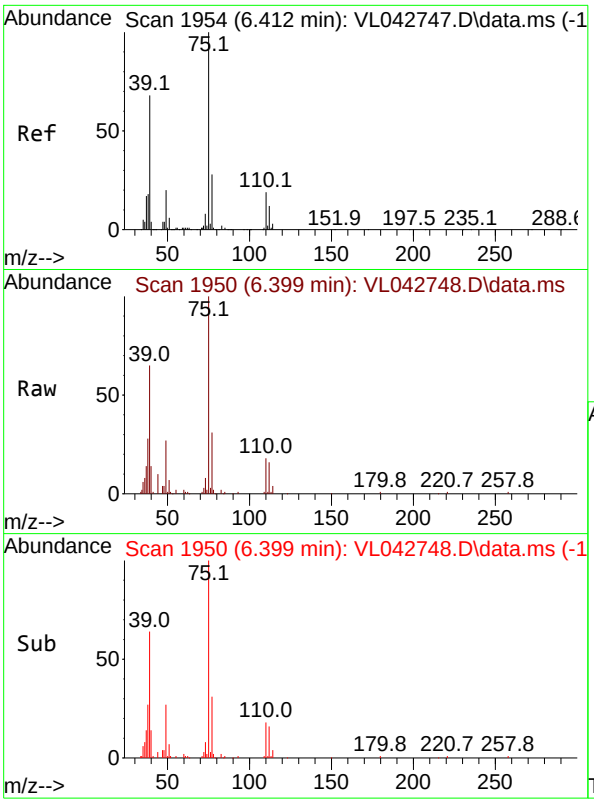


#44
2,2,4-Trimethylpentane
Concen: 2.115 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 149588

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.3	42.5
56	32.9	25.8	38.6



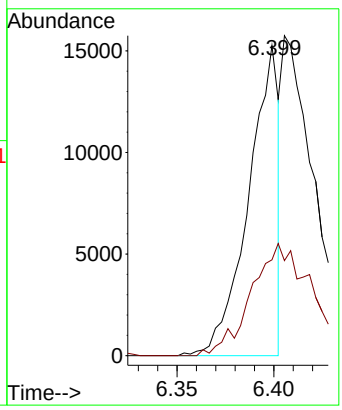


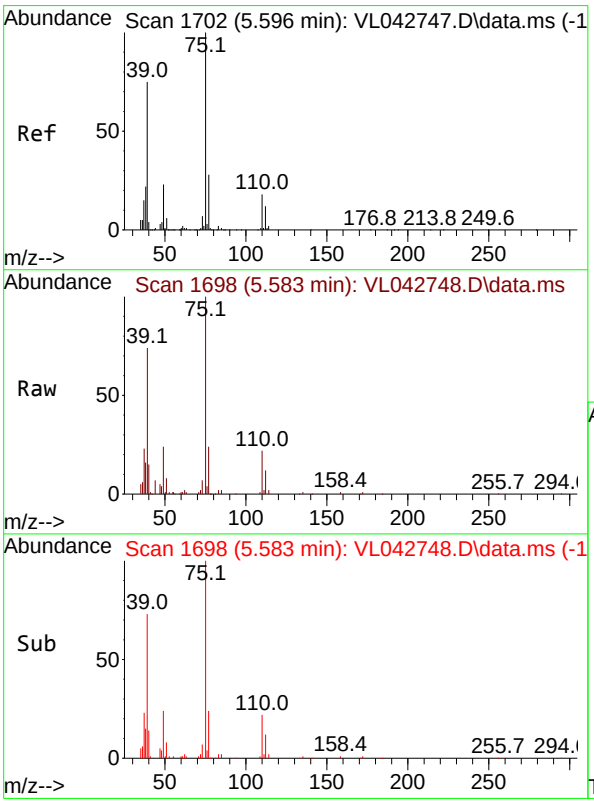
#45
t-1,3-Dichloropropene
Concen: 0.957 ppbv
RT: 6.399 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 16554

Ion	Ratio	Lower	Upper
75	100		
77	30.9	22.4	33.6

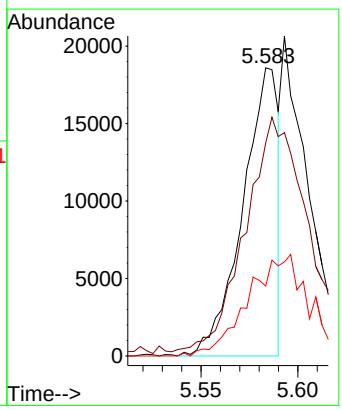


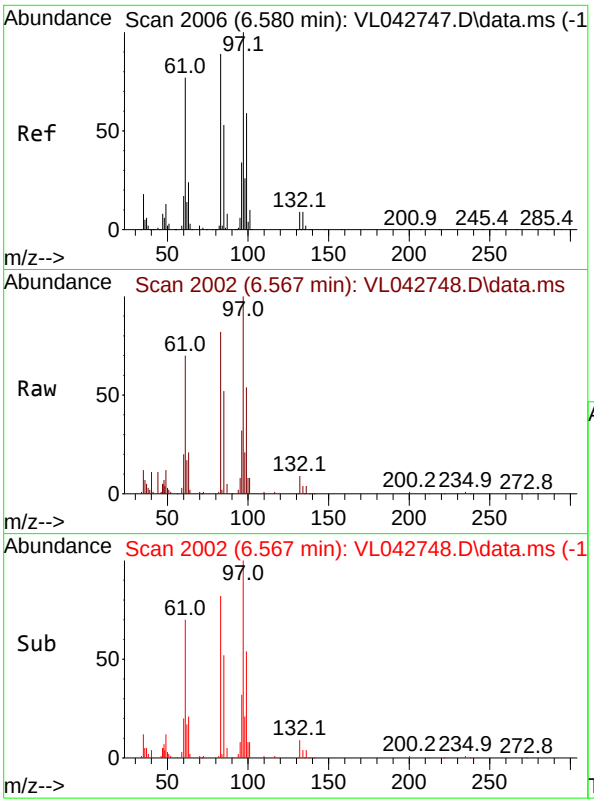


#46
cis-1,3-Dichloropropene
Concen: 1.084 ppbv
RT: 5.583 min Scan# 1698
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 75 Resp: 23760

Ion	Ratio	Lower	Upper
75	100		
39	71.8	60.2	90.2
77	24.2	22.6	34.0



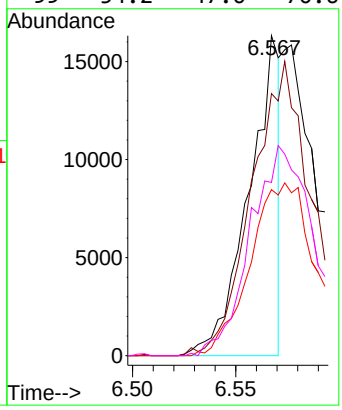


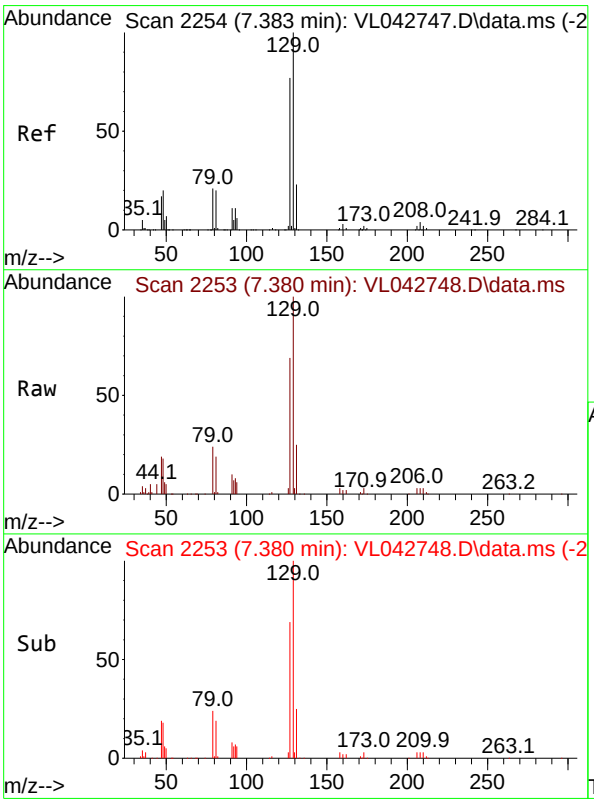
#47
1,1,2-Trichloroethane
Concen: 0.988 ppbv
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 16867

Ion	Ratio	Lower	Upper
97	100		
83	81.9	71.1	106.7
85	51.9	43.0	64.4
99	54.2	47.0	70.6

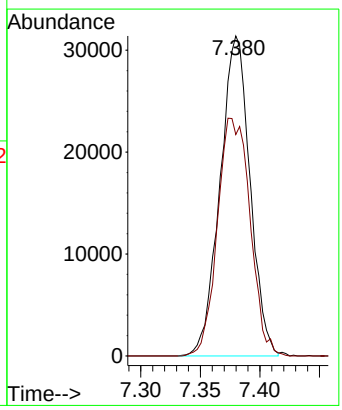


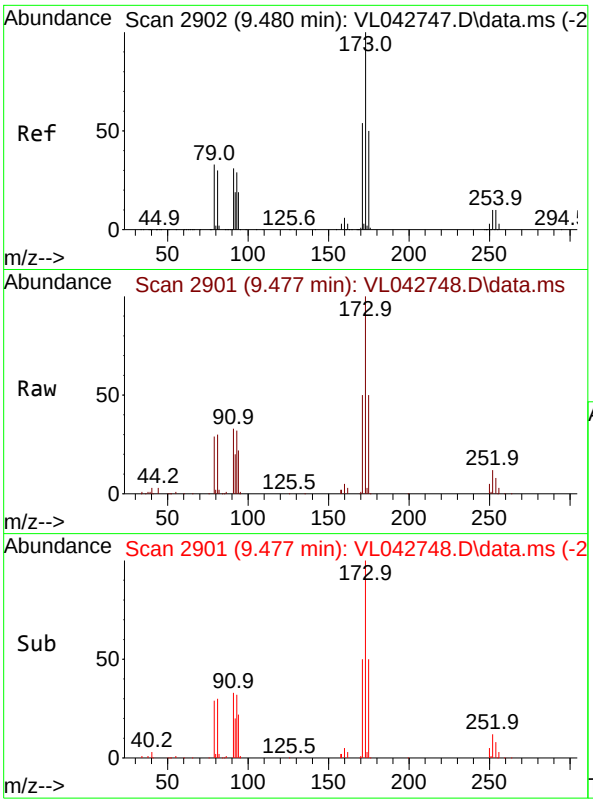


#48
Dibromochloromethane
Concen: 2.026 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:129 Resp: 54906

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.7	116.1



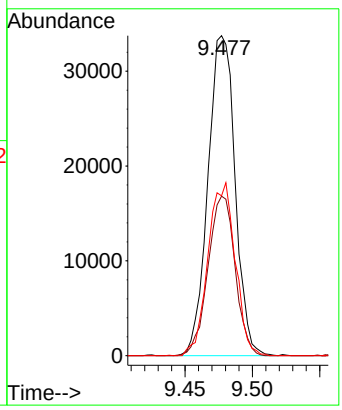


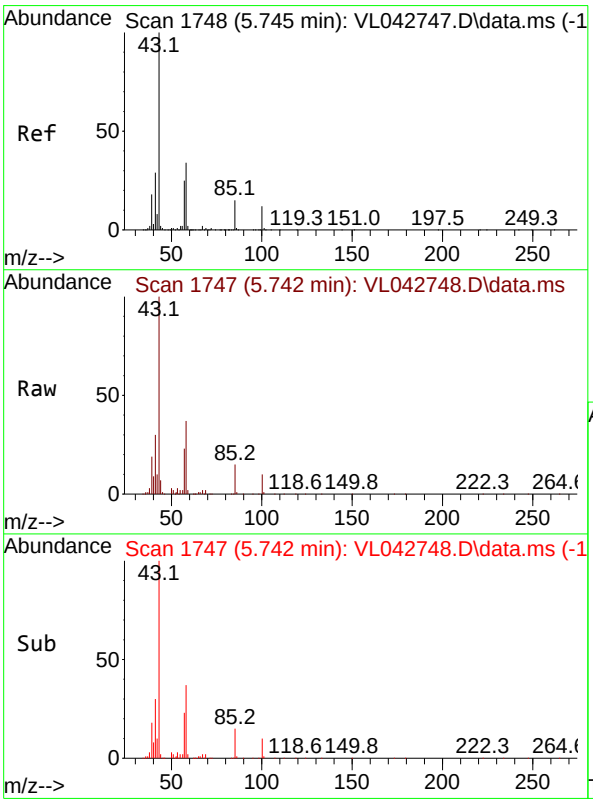
#49
Bromoform
Concen: 2.003 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 47340

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.4	57.6
171	54.2	40.9	61.3

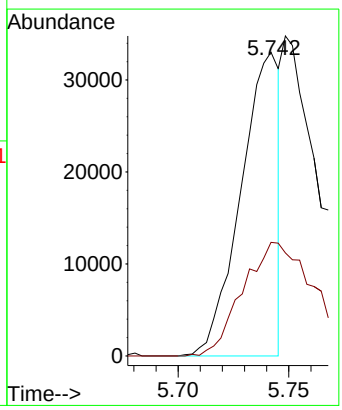


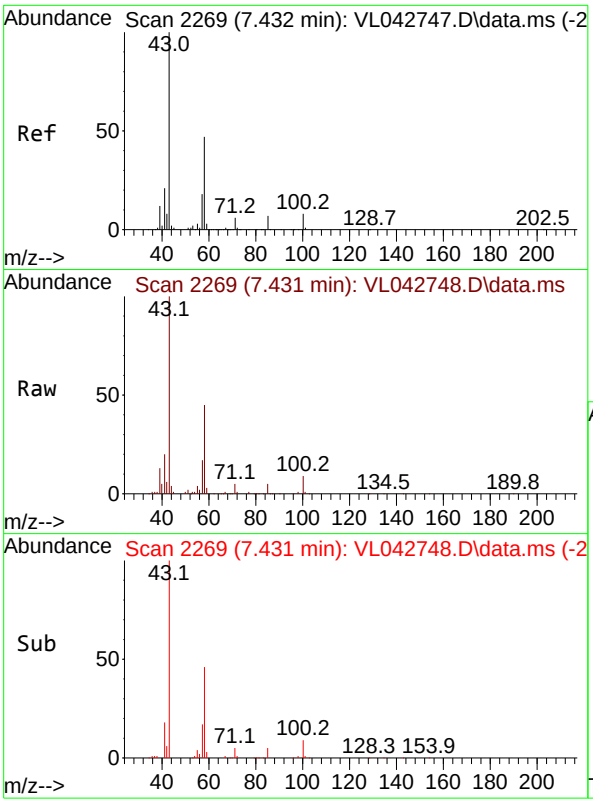


#50
4-Methyl-2-Pentanone
Concen: 0.966 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 39913

Ion	Ratio	Lower	Upper
43	100		
58	76.3	27.8	41.8#



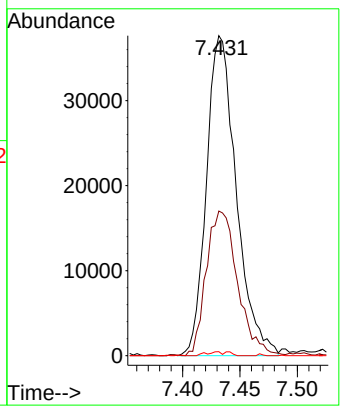


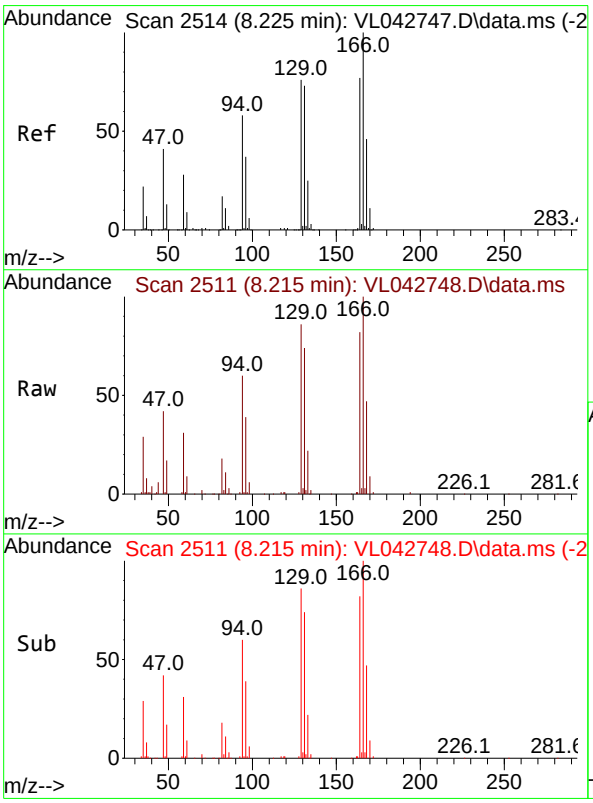
#51
2-Hexanone
Concen: 2.157 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 68093

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.0	57.0
98	1.0	0.2	0.4#

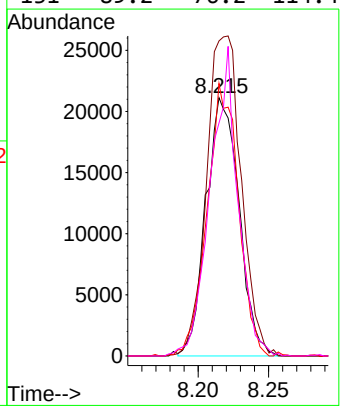


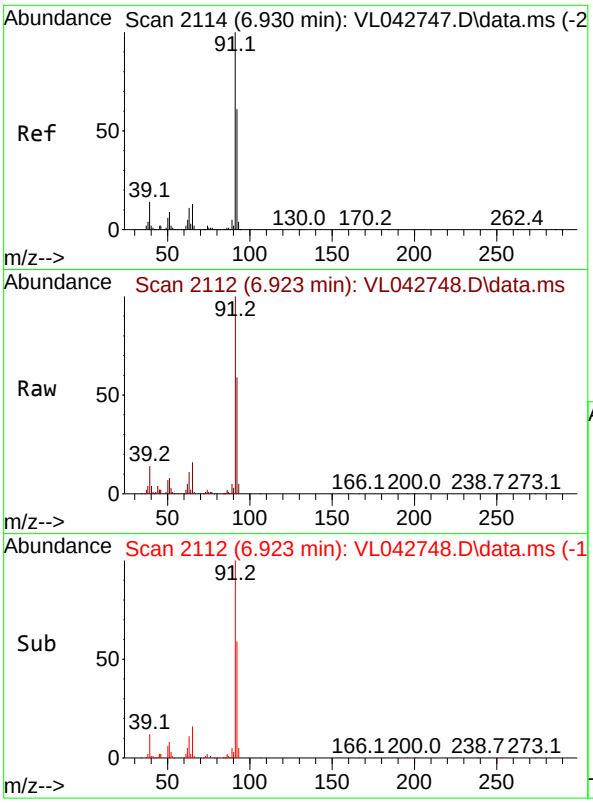


#52
Tetrachloroethene
Concen: 1.917 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:164 Resp: 34568

Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.0	156.0
129	103.9	79.2	118.8
131	89.2	76.2	114.4



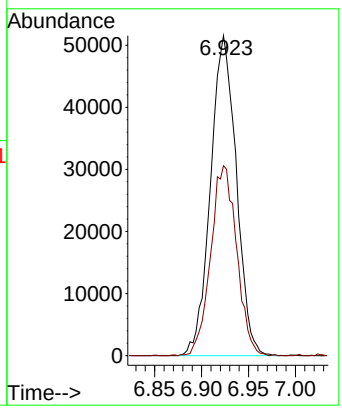


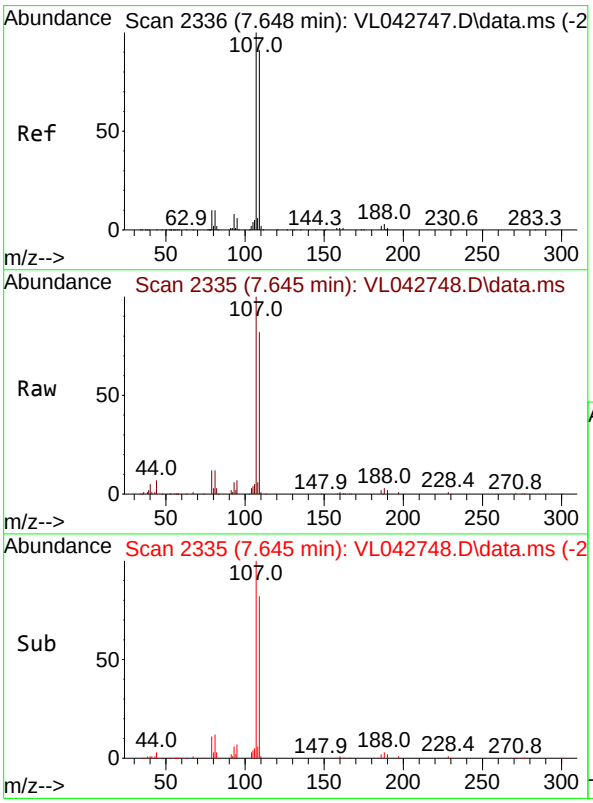
#53
Toluene
Concen: 2.111 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 98346

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.0	72.0

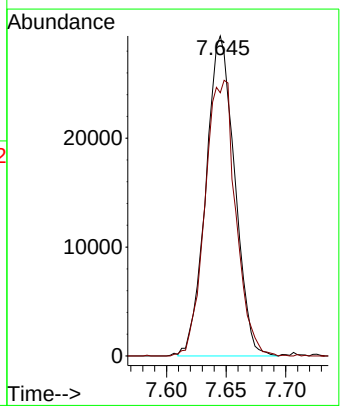


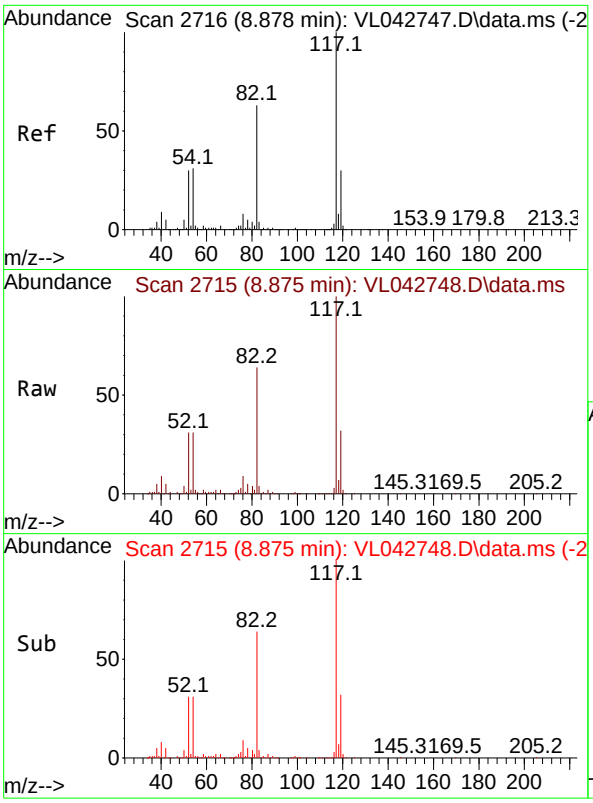


#54
1,2-Dibromoethane
Concen: 2.042 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:107 Resp: 49346

Ion	Ratio	Lower	Upper
107	100		
109	82.2	72.7	109.1



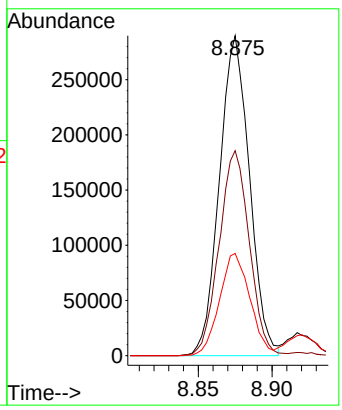


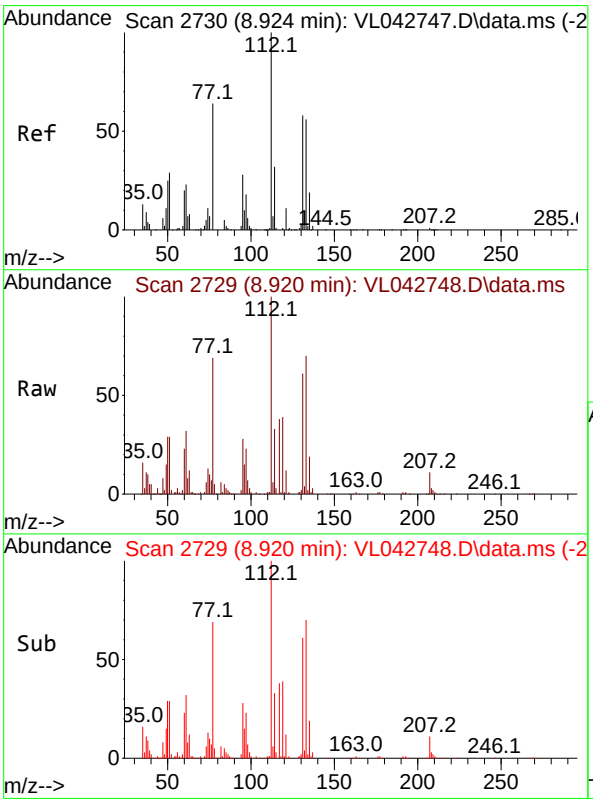
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 410740

Ion	Ratio	Lower	Upper
117	100		
82	65.2	53.3	79.9
119	33.2	25.8	38.6

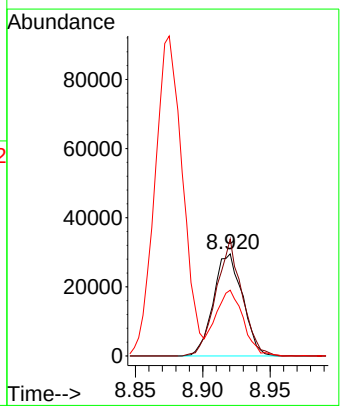


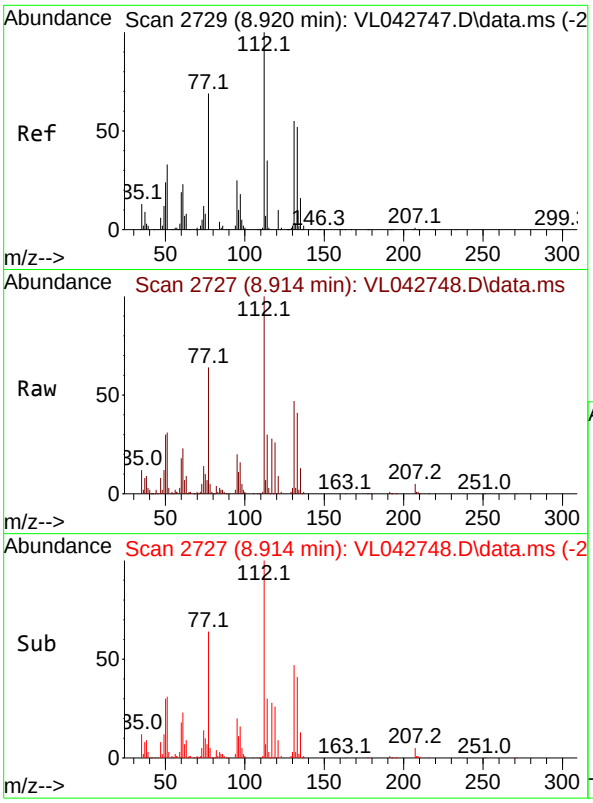


#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:131 Resp: 44409

Ion	Ratio	Lower	Upper
131	100		
133	102.1	76.8	115.2
119	54.2	49.7	74.5



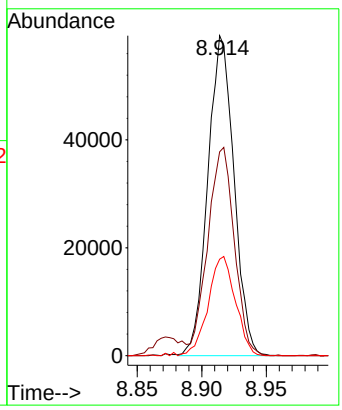


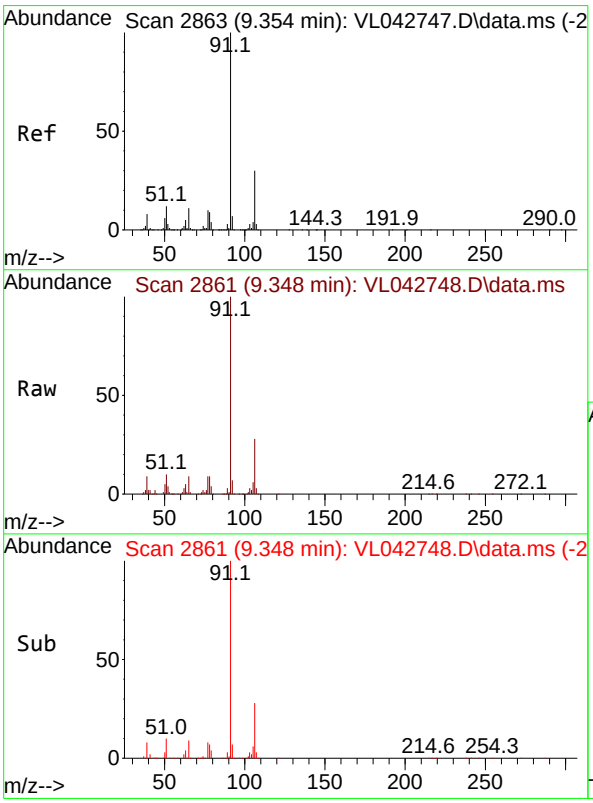
#57
Chlorobenzene
Concen: 2.101 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 83503

Ion	Ratio	Lower	Upper
112	100		
77	63.5	56.4	84.6
114	30.2	31.2	38.2#

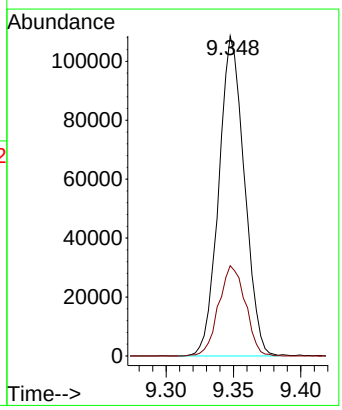


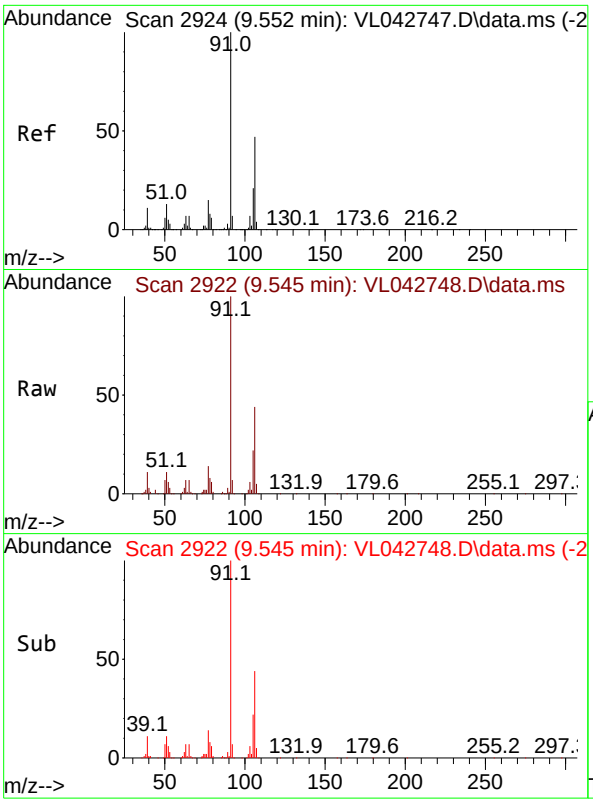


#58
Ethyl Benzene
Concen: 2.208 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 143251

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.6



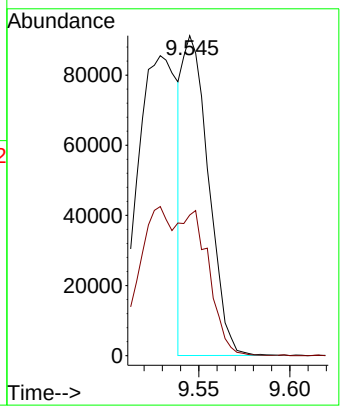


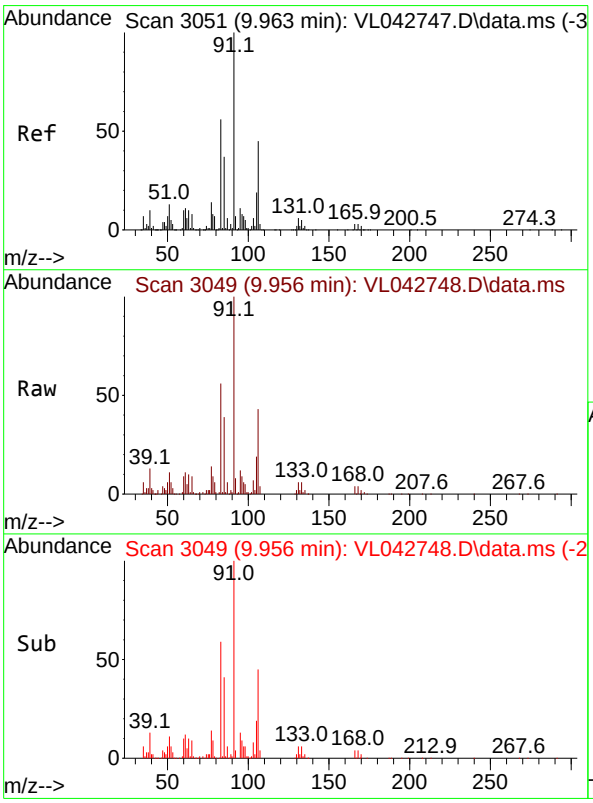
#59
m/p-Xylene
Concen: 1.758 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 91147

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

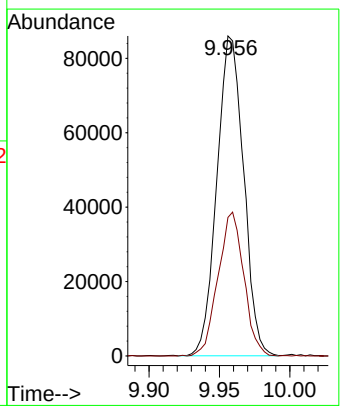


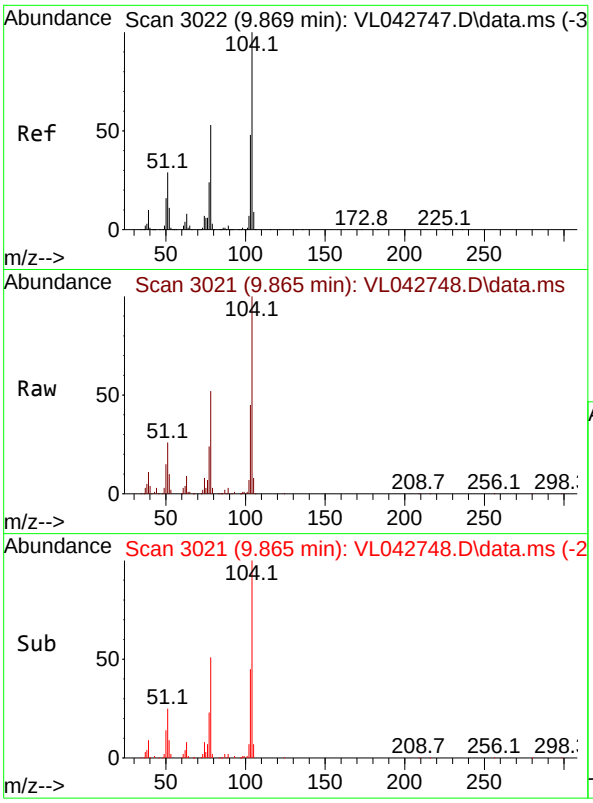


#60
o-Xylene
Concen: 2.190 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 113462

Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.0	66.0



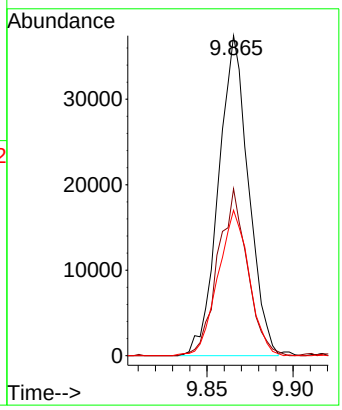


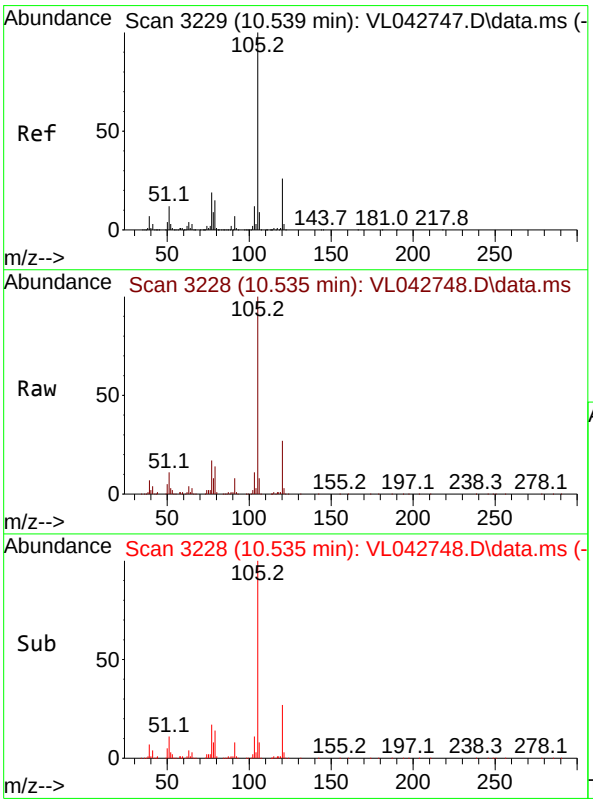
#61
Styrene
Concen: 2.081 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 45351

Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.5	62.3
103	47.1	37.5	56.3

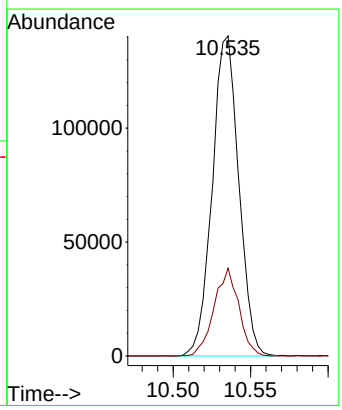


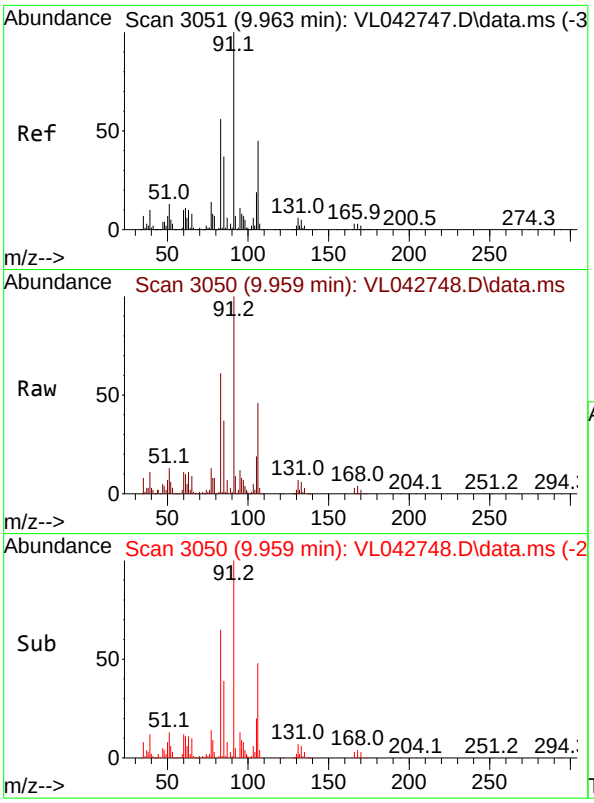


#62
Isopropylbenzene
Concen: 2.187 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 167108

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7



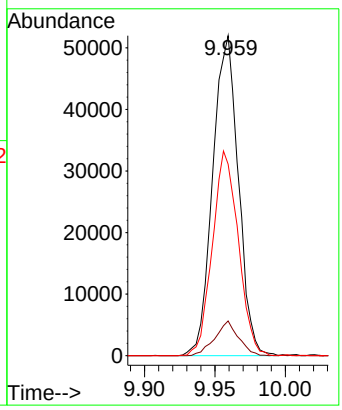


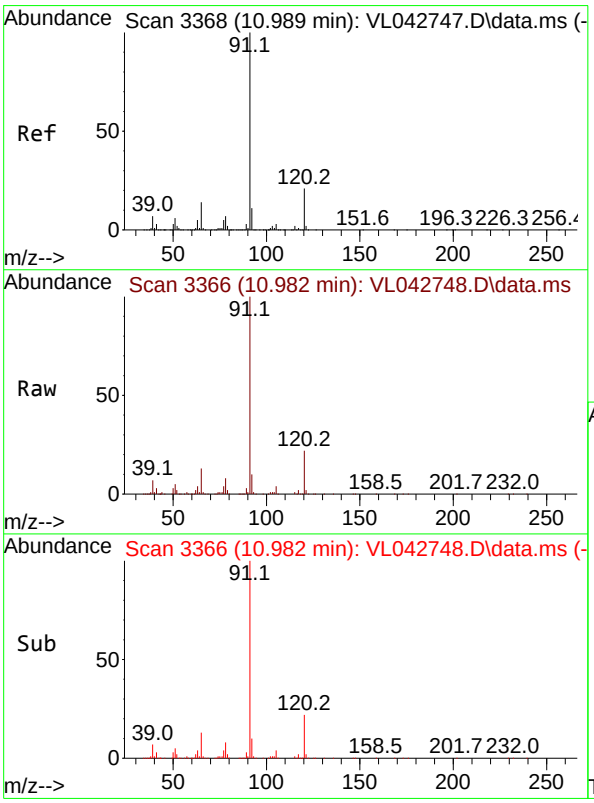
#63
1,1,2,2-Tetrachloroethane
Concen: 1.954 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 65928

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	64.7	32.6	97.7

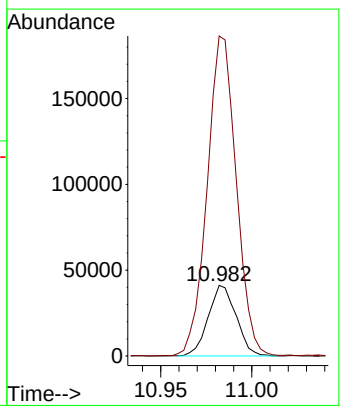


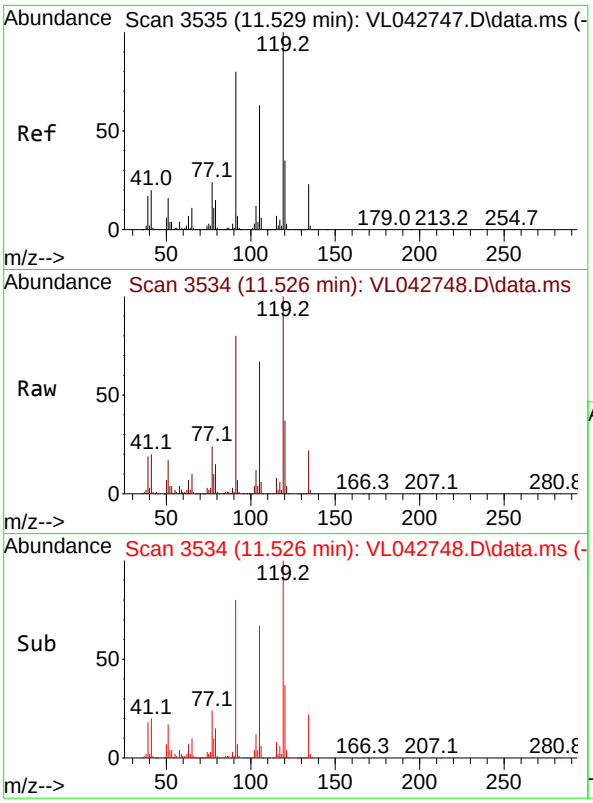


#64
n-propylbenzene
Concen: 2.198 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:120 Resp: 43789

Ion	Ratio	Lower	Upper
120	100		
91	472.1	372.7	559.1



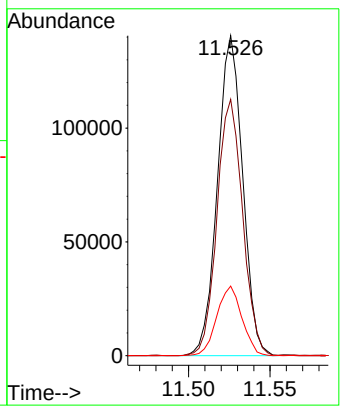


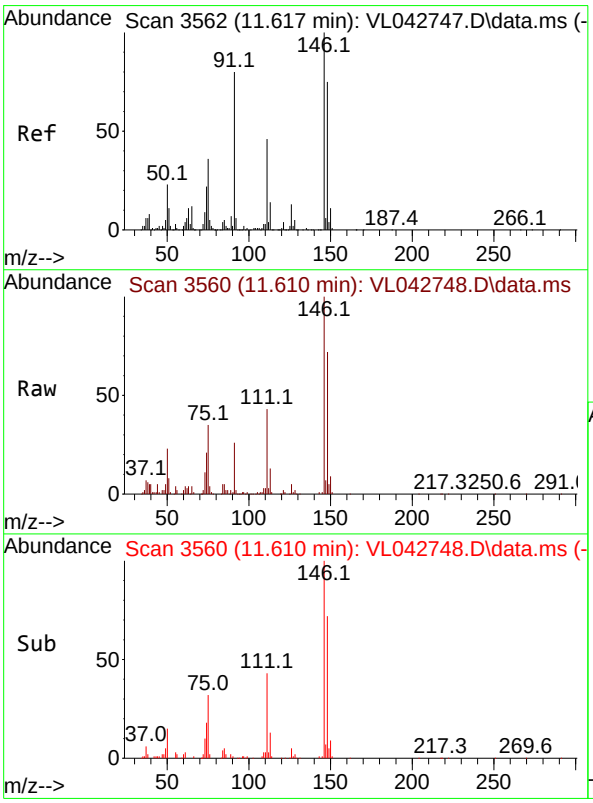
#65
tert-Butylbenzene
Concen: 2.226 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 151081

Ion	Ratio	Lower	Upper
119	100		
91	81.8	64.0	96.0
134	21.7	17.3	25.9

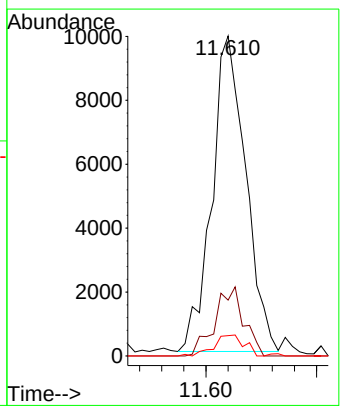


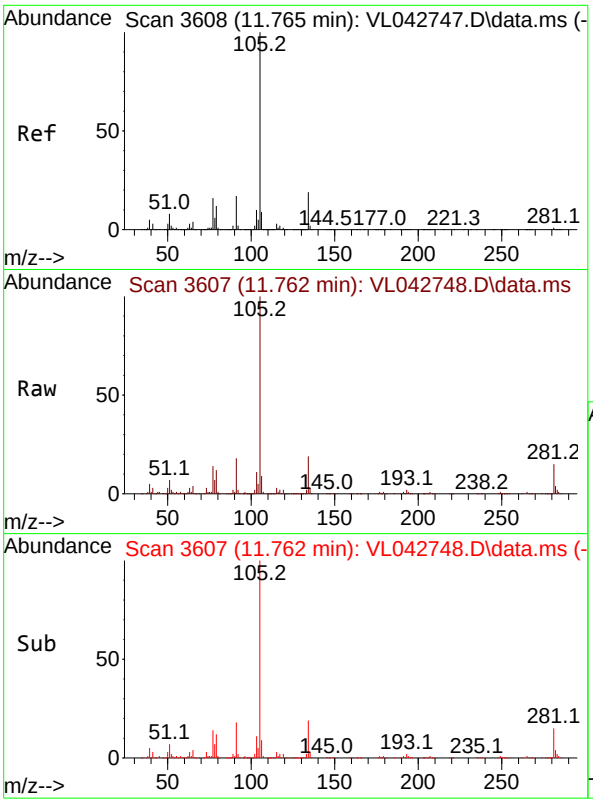


#66
Benzyl Chloride
Concen: 1.882 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 10485

Ion	Ratio	Lower	Upper
91	100		
126	18.8	14.4	21.6
128	6.2	5.2	7.8



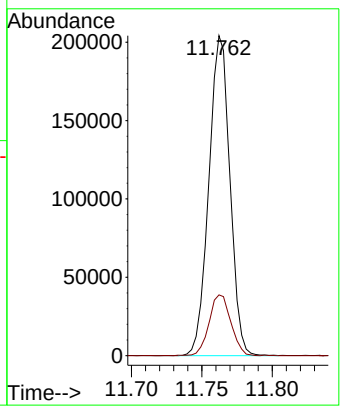


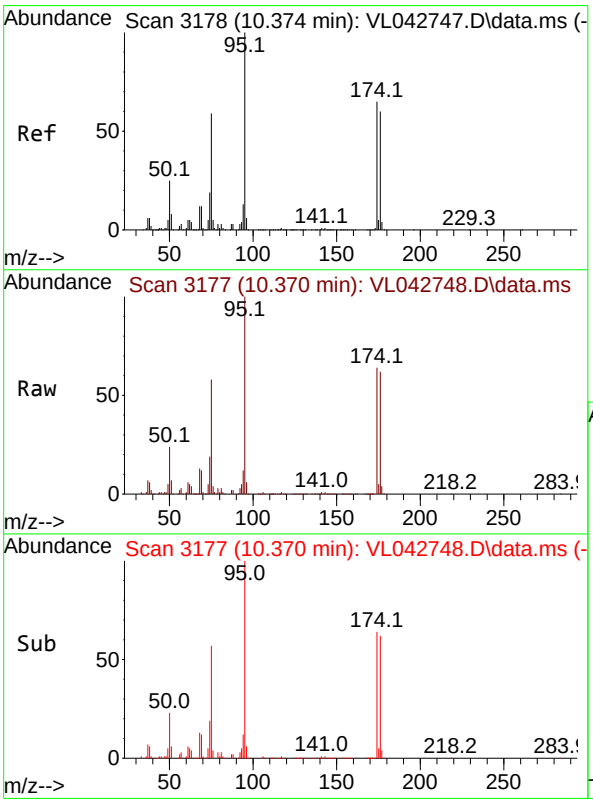
#67
sec-Butylbenzene
Concen: 2.206 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 212925

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

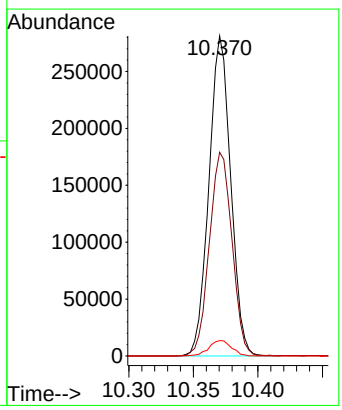


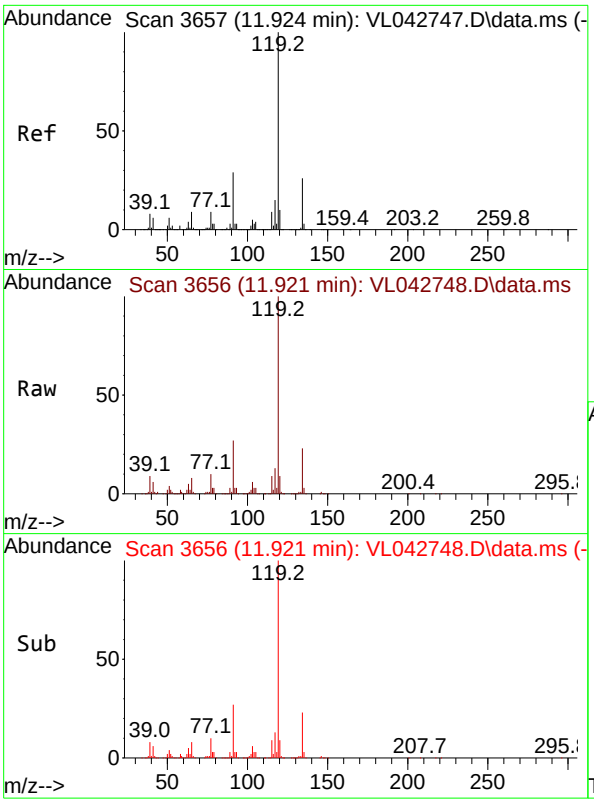


#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 95 Resp: 330476

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.8	80.6
175	5.0	4.0	6.0



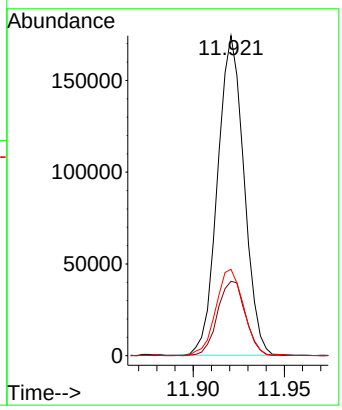


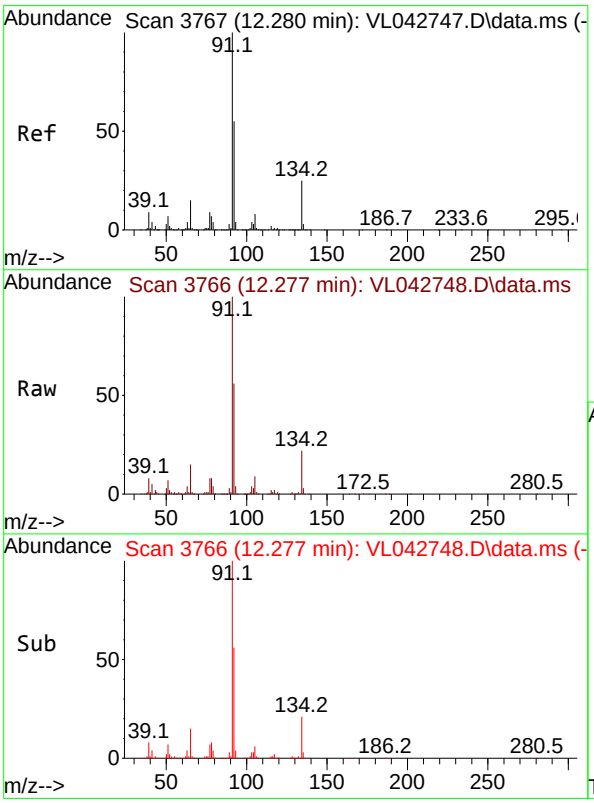
#69
p-Isopropyltoluene
Concen: 2.230 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 175553

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	31.0
91	29.0	23.2	34.8

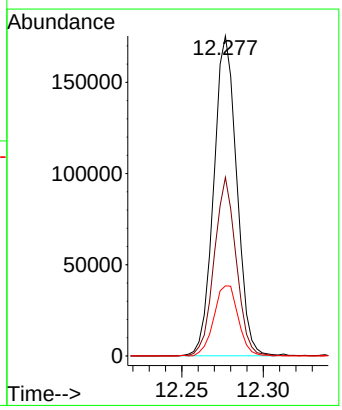


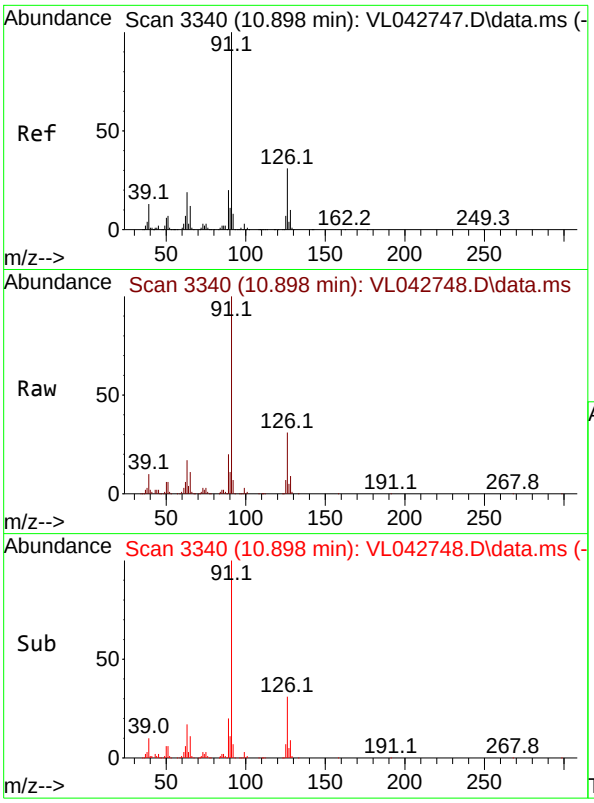


#70
n-Butylbenzene
Concen: 2.258 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 171675

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.4	65.2
134	23.4	19.6	29.4



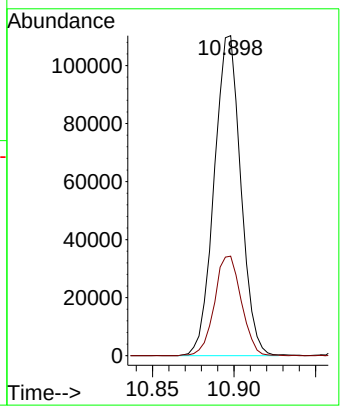


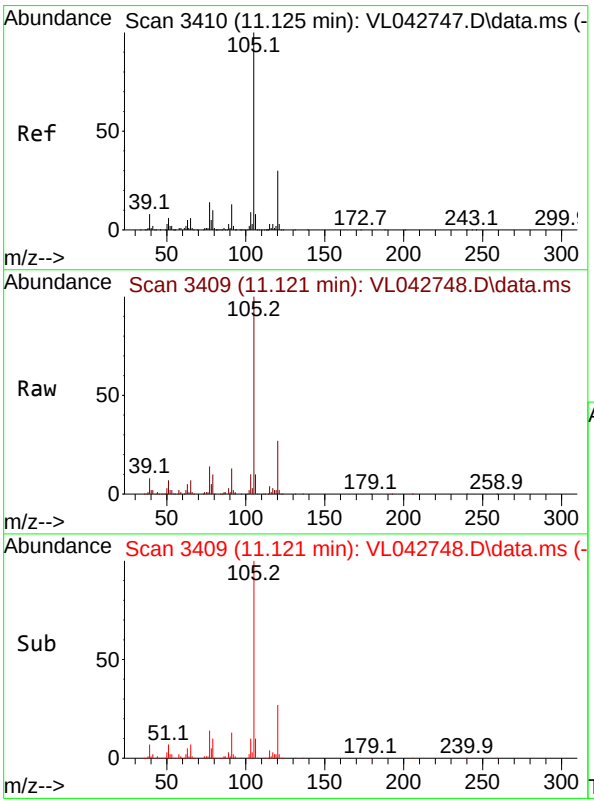
#71
2-Chlorotoluene
Concen: 2.134 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 125039

Ion	Ratio	Lower	Upper
91	100		
126	31.4	12.0	48.2

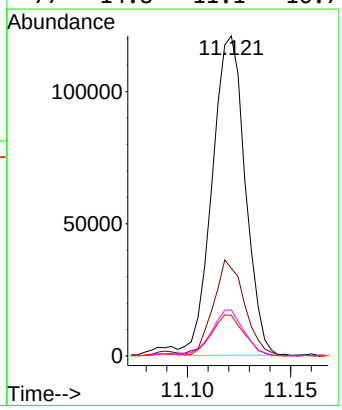


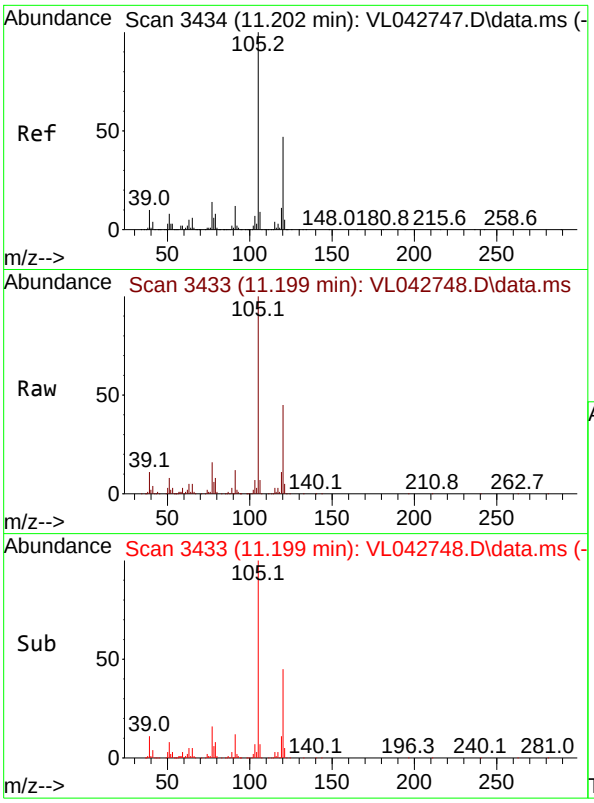


#72
4-Ethyltoluene
Concen: 2.168 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 134097

Ion	Ratio	Lower	Upper
105	100		
120	29.7	24.4	36.6
91	13.7	10.6	15.8
77	14.8	11.1	16.7



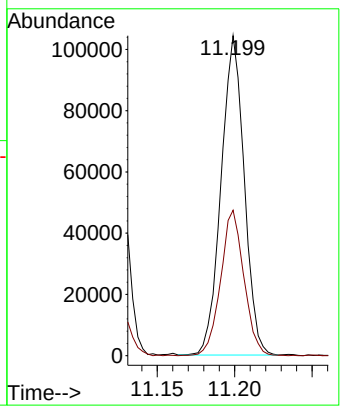


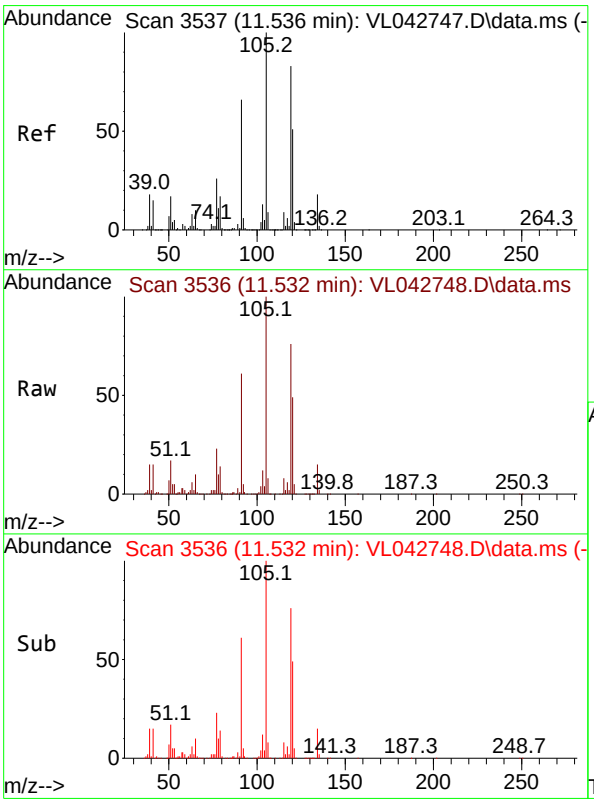
#73
1,3,5-Trimethylbenzene
Concen: 2.122 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 108055

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.8	56.8

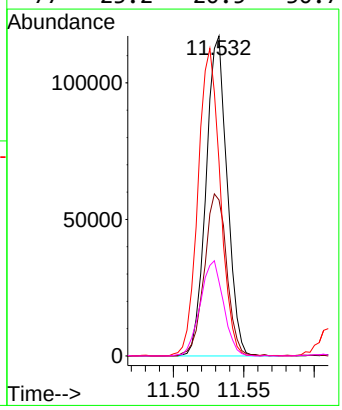


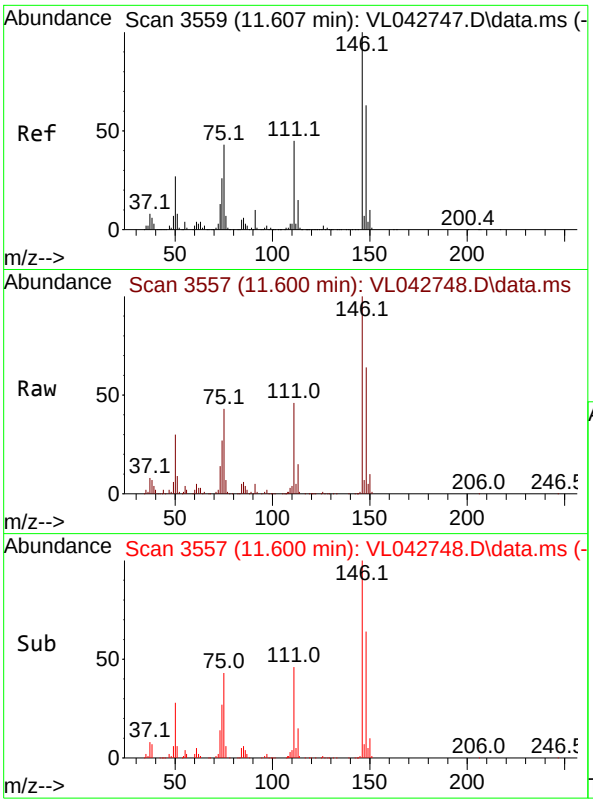


#74
1,2,4-Trimethylbenzene
Concen: 2.201 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 122295

Ion	Ratio	Lower	Upper
105	100		
120	48.6	40.8	61.2
91	60.6	53.0	79.4
77	23.2	20.5	30.7



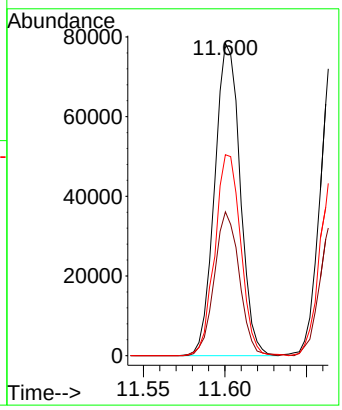


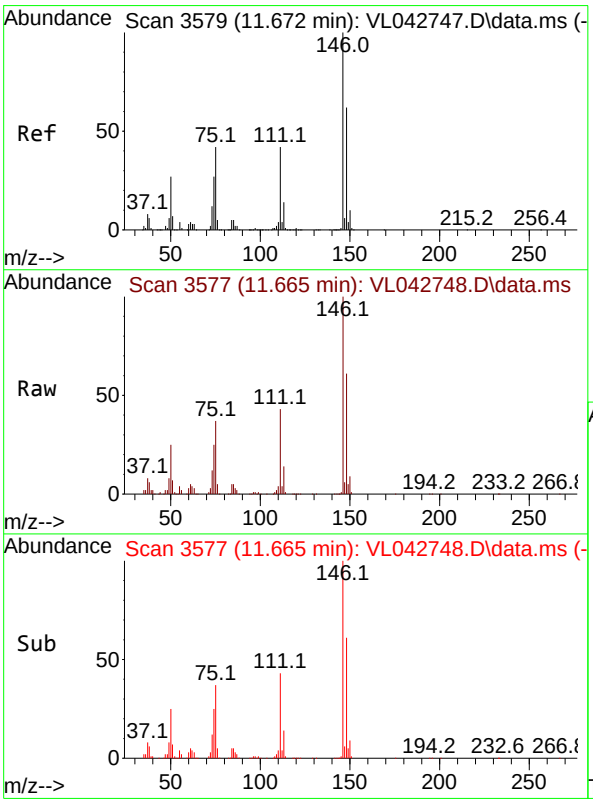
#75
1,3-Dichlorobenzene
Concen: 2.188 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 85254

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	65.2	31.9	95.5

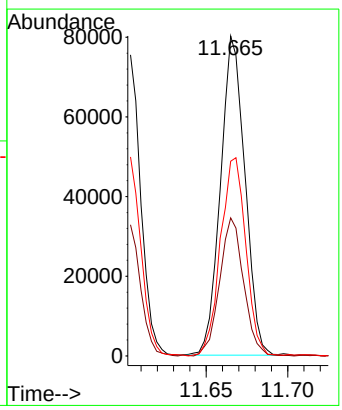


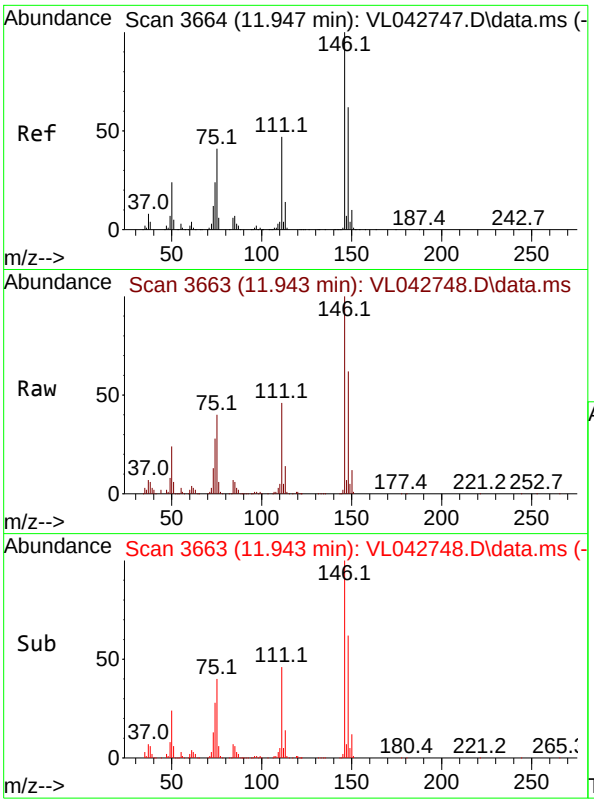


#76
1,4-Dichlorobenzene
Concen: 2.189 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:146 Resp: 83440

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	64.9	32.1	96.3



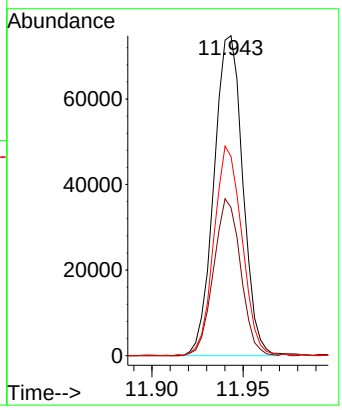


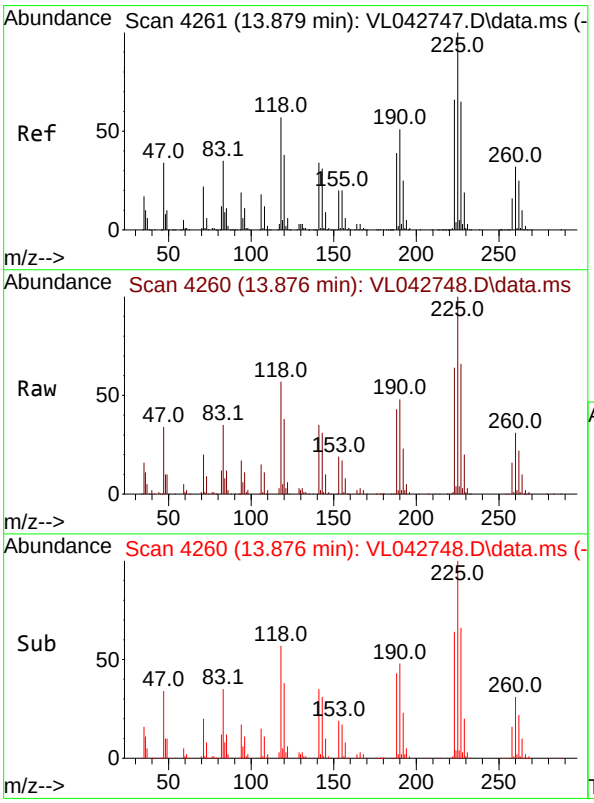
#77
1,2-Dichlorobenzene
Concen: 2.150 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 82311

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.7	71.1
148	64.3	32.6	97.7

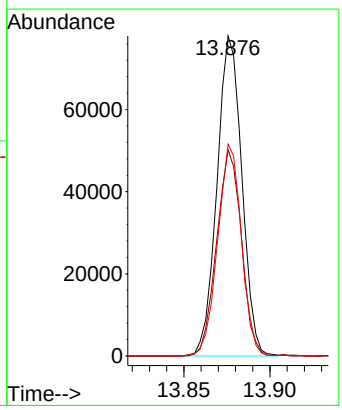


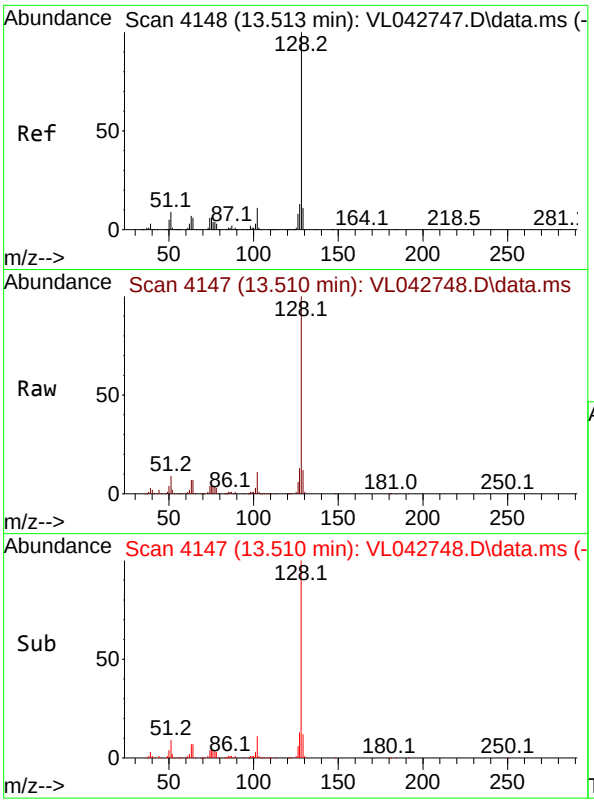


#78
Hexachloro-1,3-Butadiene
Concen: 2.259 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:225 Resp: 78291

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	63.3	50.5	75.7



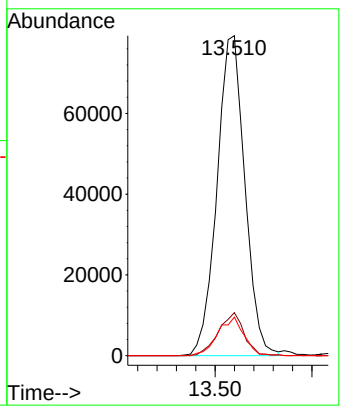


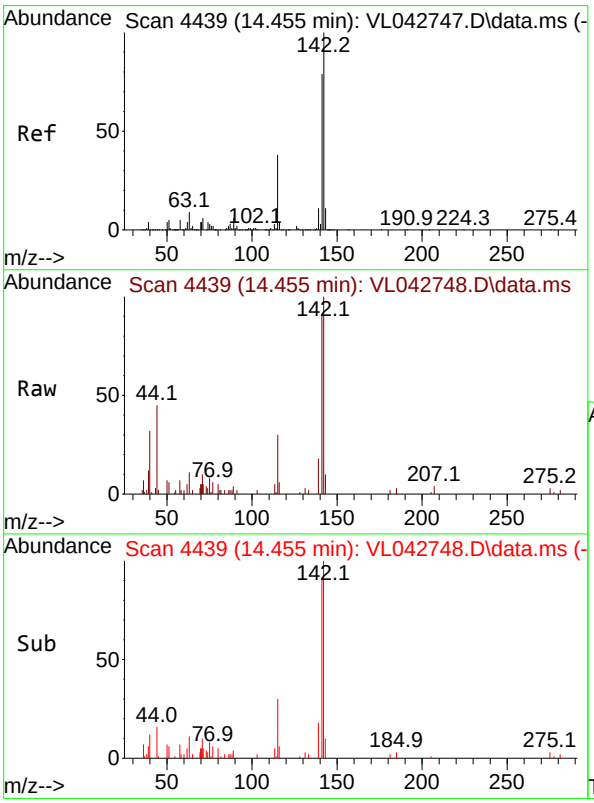
#79
Naphthalene
Concen: 1.690 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 79191

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	12.1	8.6	13.0

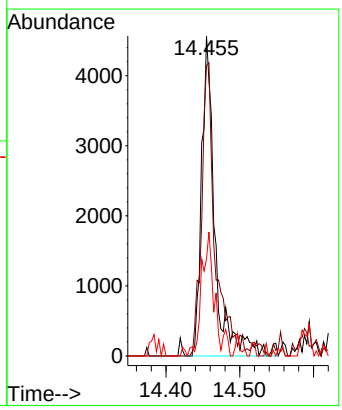


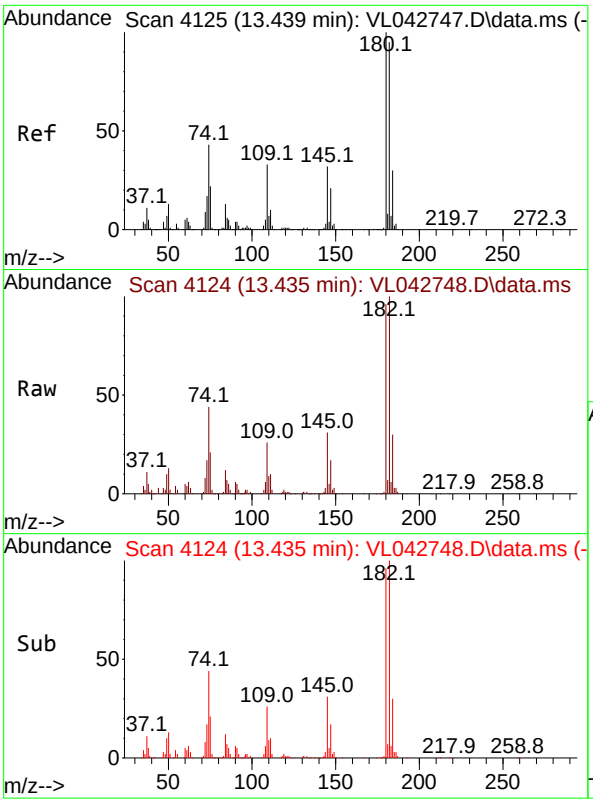


#80
Naphthalene,2-methyl-
Concen: 1.298 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:142 Resp: 5851

Ion	Ratio	Lower	Upper
142	100		
141	94.9	65.8	98.8
115	40.3	31.2	46.8



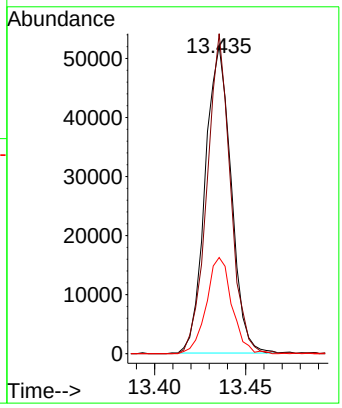


#81
1,2,4-Trichlorobenzene
Concen: 1.888 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 51515

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	30.9	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	156293	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	459770	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	410018	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	327673	10.091	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	20935	1.013	ppbv		93
3) Chlorodifluoromethane	1.473	51	27459	1.020	ppbv		99
4) Chloromethane	1.531	50	9047	1.082	ppbv		96
5) Vinyl Chloride	1.580	62	7432	0.900	ppbv		96
6) Bromomethane	1.667	94	3743	1.172	ppbv	#	71
7) Chloroethane	1.703	64	3061	0.959	ppbv		99
8) Dichlorotetrafluoroethane	1.551	85	17668	1.040	ppbv		98
9) Propene	1.483	41	10346	1.057	ppbv		95
10) Heptane	4.975	43	12823	0.487	ppbv	#	29
11) Trichlorofluoromethane	1.874	101	22428	1.053	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.136	101	16608	1.026	ppbv		97
13) Ethanol	1.719	45	1698	1.331	ppbv		88
14) Bromoethene	1.780	108	5928	1.034	ppbv	#	92
15) Acetone	1.832	43	23119	1.071	ppbv		94
16) 1,3-Butadiene	1.606	39	9416	1.023	ppbv		98
17) tert-Butyl alcohol	2.039	59	19926	1.024	ppbv	#	93
18) 1,1-Dichloroethene	2.030	96	8276	1.132	ppbv		95
19) Isopropyl Alcohol	1.884	45	11942	1.041	ppbv	#	42
20) Methylene Chloride	2.059	84	7153	1.052	ppbv		90
21) Allyl Chloride	2.091	41	13382	1.006	ppbv		92
22) trans-1,2-Dichloroethene	2.337	96	7909	1.007	ppbv		89
23) Vinyl Acetate	2.457	43	23472	0.897	ppbv	#	91
24) 1,1-Dichloroethane	2.405	63	17459	1.081	ppbv		99
25) Ethyl Acetate	2.829	43	48790	1.021	ppbv		97
26) Hexane	2.823	57	22279	1.063	ppbv		98
27) Carbon Disulfide	2.146	76	18488	1.031	ppbv	#	1
28) Methyl tert-Butyl Ether	2.434	73	9587	0.968	ppbv		90
29) Chloroform	2.845	83	32880	1.015	ppbv		95
30) Cyclohexane	3.852	84	17824	1.003	ppbv		97
31) cis-1,2-Dichloroethene	2.716	61	21979	1.021	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	32003	0.949	ppbv		97
34) 2-Butanone	2.554	43	32783	1.007	ppbv		98
35) Carbon Tetrachloride	3.758	117	32610	0.954	ppbv		92
36) Benzene	3.651	78	44638	1.024	ppbv		98
37) 1,2-Dichloroethane	3.211	62	26909	1.025	ppbv	#	96
38) Trichloroethene	4.538	130	21122	1.005	ppbv		93
39) 1,2-Dichloropropane	4.305	63	16622	1.033	ppbv		94
40) 1,4-Dioxane	4.587	88	4184	0.552	ppbv	#	21
41) Tetrahydrofuran	3.056	42	16097	0.984	ppbv		97
42) Bromodichloromethane	4.486	83	13285	0.388	ppbv		99
43) Methyl Methacrylate	4.868	69	7135	0.461	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.629	57	72865	1.026	ppbv		99
45) t-1,3-Dichloropropene	6.399	75	4937	0.284	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

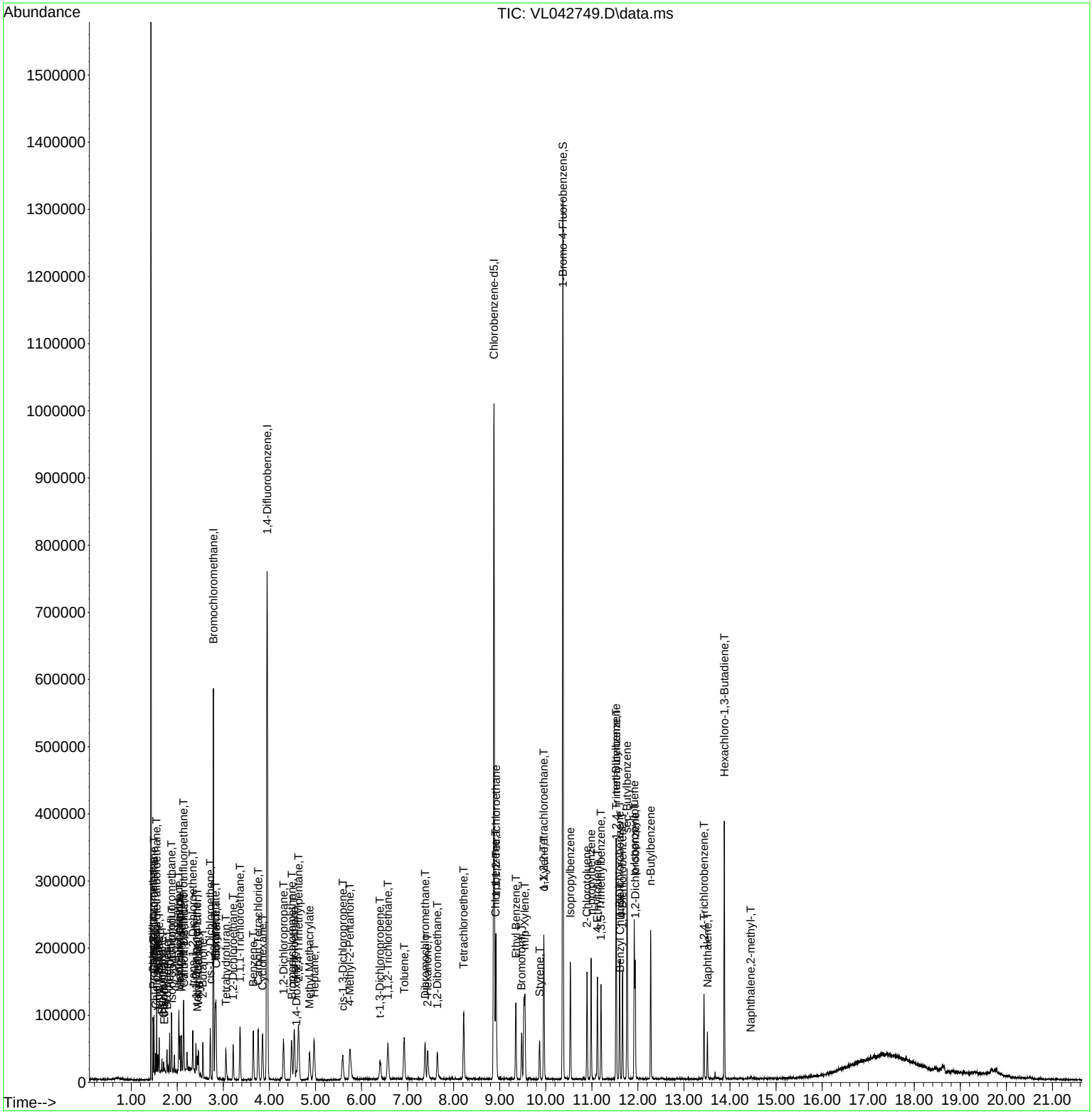
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	9670	0.439	ppbv	#	94
47) 1,1,2-Trichloroethane	6.574	97	17646	1.029	ppbv	#	82
48) Dibromochloromethane	7.380	129	26259	0.965	ppbv		99
49) Bromoform	9.474	173	23083	0.973	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	20247	0.488	ppbv	#	40
51) 2-Hexanone	7.435	43	29761	0.939	ppbv	#	100
52) Tetrachloroethene	8.215	164	18131	1.001	ppbv		96
53) Toluene	6.927	91	45645	0.976	ppbv		98
54) 1,2-Dibromoethane	7.642	107	24427	1.007	ppbv		85
56) 1,1,1,2-Tetrachloroethane	8.920	131	21319	1.000	ppbv		94
57) Chlorobenzene	8.911	112	41788	1.053	ppbv	#	85
58) Ethyl Benzene	9.351	91	63467	0.980	ppbv		98
59) m/p-Xylene	9.545	91	43966	0.849	ppbv	#	3
60) o-Xylene	9.959	91	52499	1.015	ppbv		99
61) Styrene	9.865	104	20313	0.934	ppbv		97
62) Isopropylbenzene	10.532	105	77278	1.013	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.956	83	32591	0.967	ppbv		100
64) n-propylbenzene	10.985	120	20073	1.009	ppbv		95
65) tert-Butylbenzene	11.526	119	68428	1.010	ppbv		95
66) Benzyl Chloride	11.610	91	4700	0.845	ppbv		96
67) sec-Butylbenzene	11.762	105	101458	1.053	ppbv		99
69) p-Isopropyltoluene	11.921	119	78186	0.995	ppbv		98
70) n-Butylbenzene	12.277	91	74257	0.978	ppbv		98
71) 2-Chlorotoluene	10.895	91	59193	1.012	ppbv		100
72) 4-Ethyltoluene	11.121	105	61199	0.991	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	48901	0.962	ppbv		99
74) 1,2,4-Trimethylbenzene	11.532	105	55153	0.994	ppbv		97
75) 1,3-Dichlorobenzene	11.600	146	39753	1.022	ppbv		97
76) 1,4-Dichlorobenzene	11.665	146	38018	0.999	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	40835	1.068	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	37228	1.076	ppbv		98
79) Naphthalene	13.510	128	29792	0.907	ppbv		97
80) Naphthalene,2-methyl-	14.449	142	1950	1.184	ppbv	#	78
81) 1,2,4-Trichlorobenzene	13.435	180	21929	1.053	ppbv		98

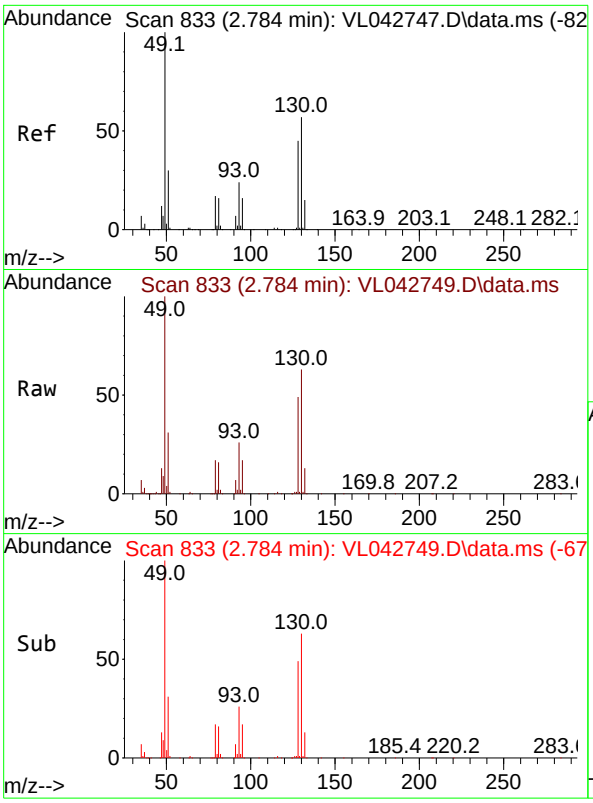
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042749.D
Acq On : 23 Jul 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



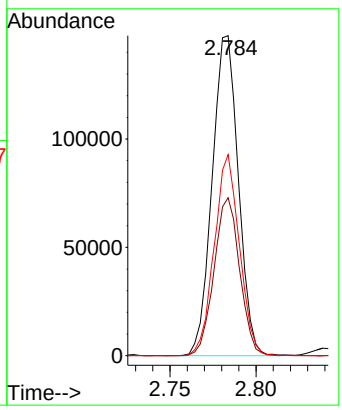


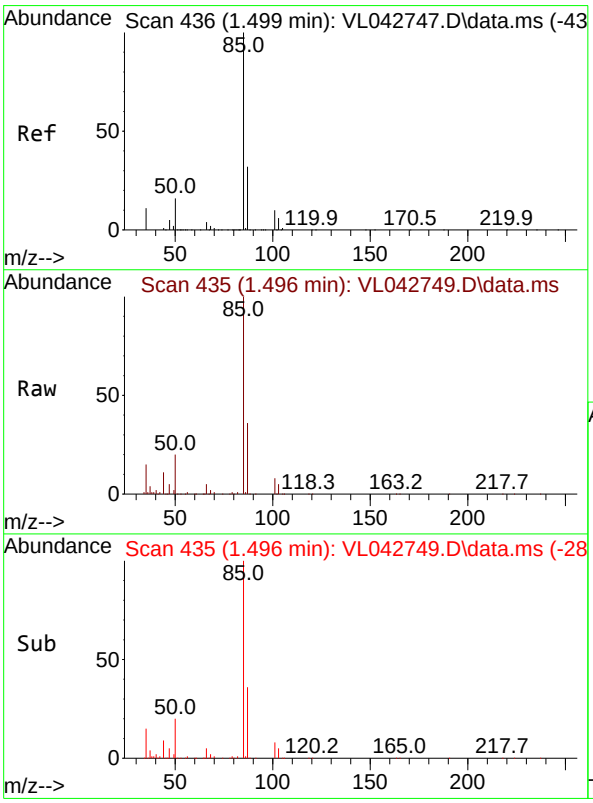
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 156293

Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.6	71.0
130	60.4	30.3	90.8

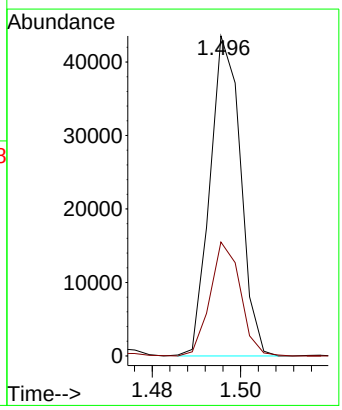


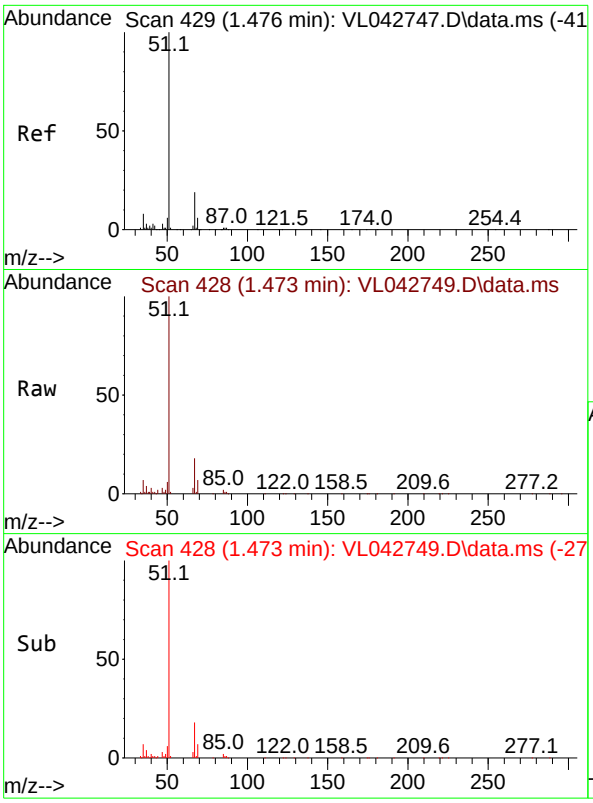


#2
Dichlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 20935

Ion	Ratio	Lower	Upper
85	100		
87	35.6	25.4	38.2



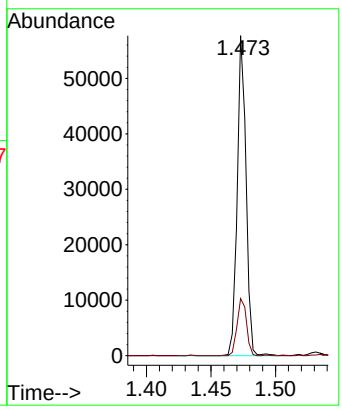


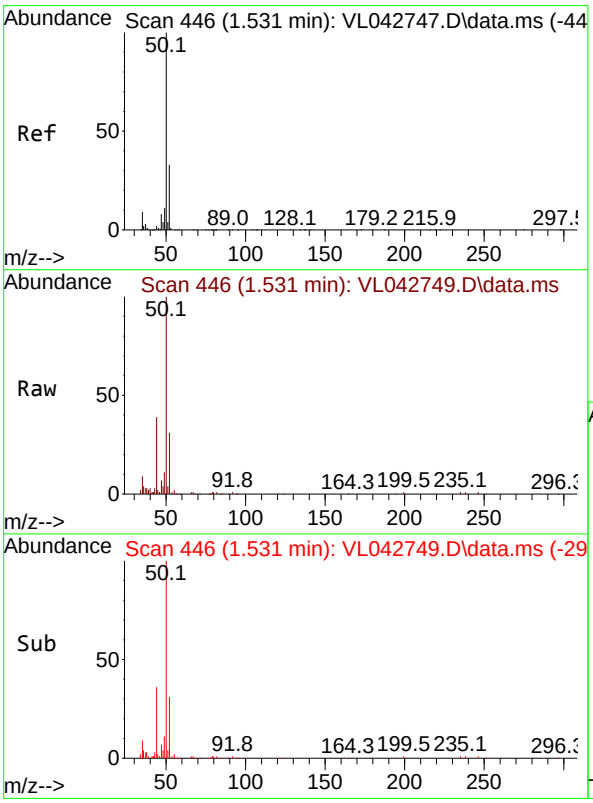
#3
Chlorodifluoromethane
Concen: 1.020 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 27459

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.0	22.6

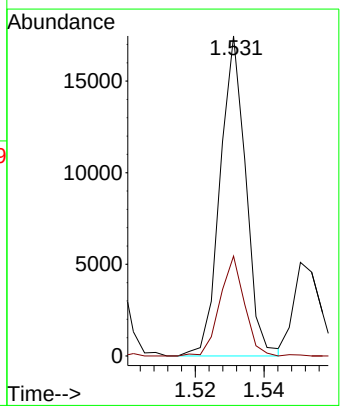


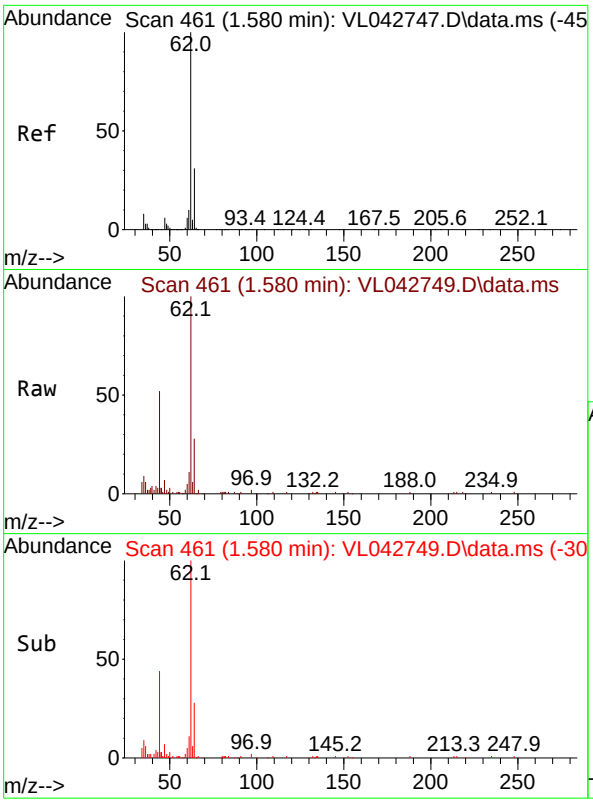


#4
Chloromethane
Concen: 1.082 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 50 Resp: 9047

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.6	40.0



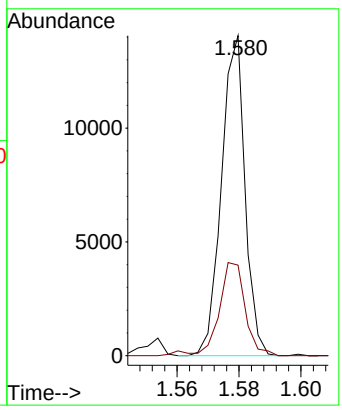


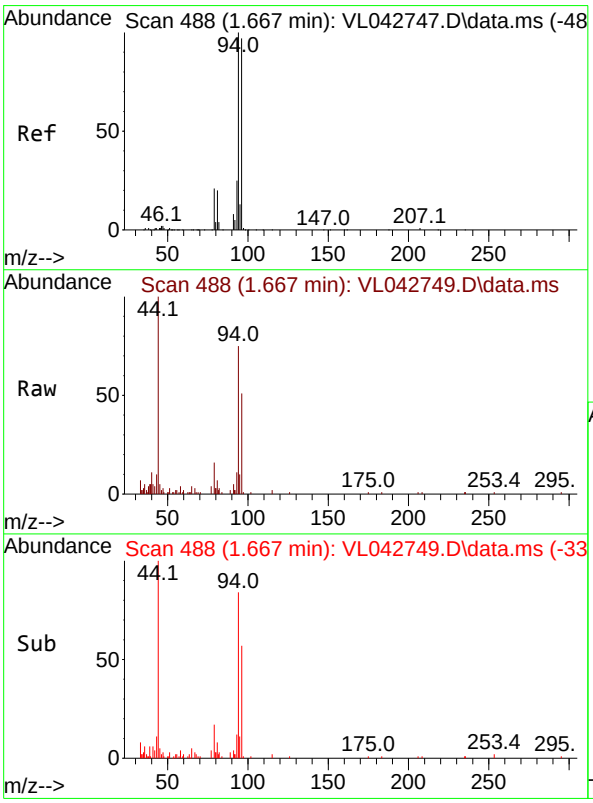
#5
Vinyl Chloride
Concen: 0.900 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 7432

Ion	Ratio	Lower	Upper
62	100		
64	28.3	24.5	36.7

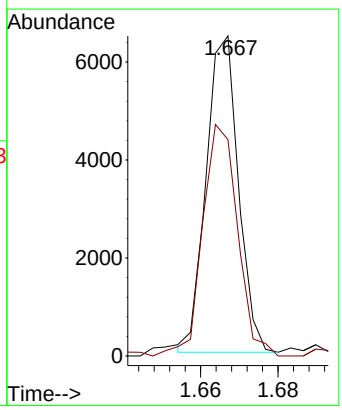


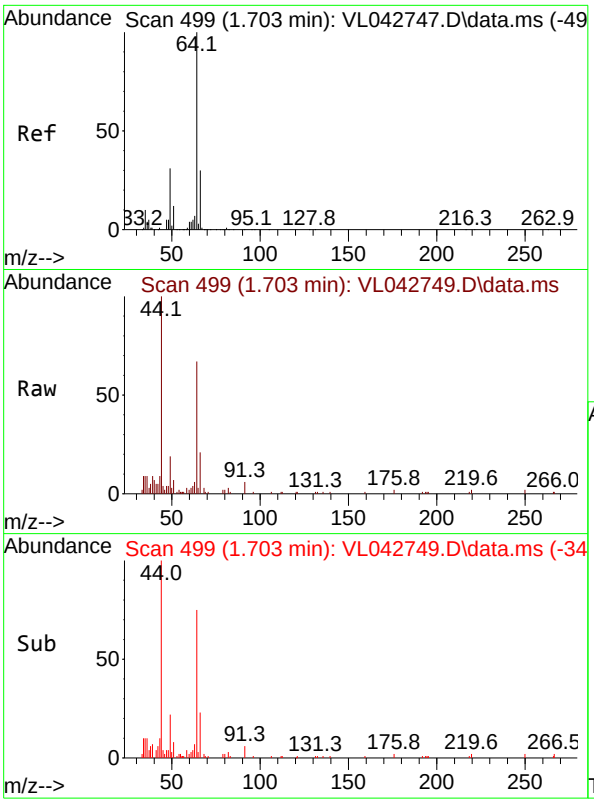


#6
Bromomethane
Concen: 1.172 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 94 Resp: 3743

Ion	Ratio	Lower	Upper
94	100		
96	68.4	77.6	116.4#



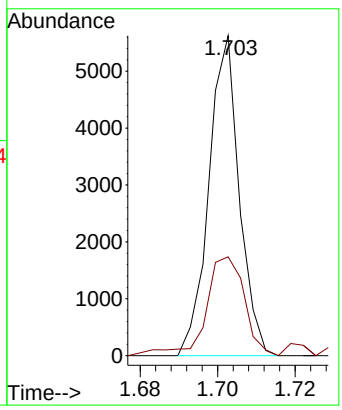


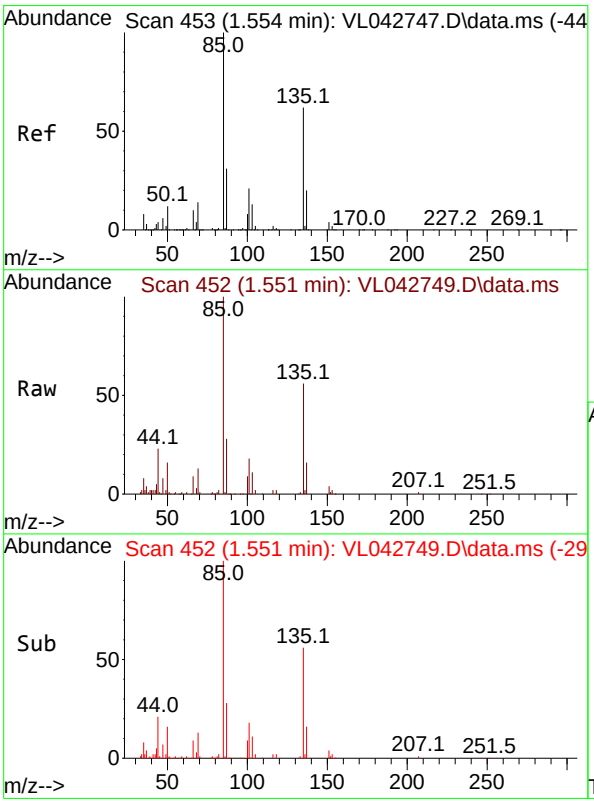
#7
Chloroethane
Concen: 0.959 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 3061

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.1	36.1

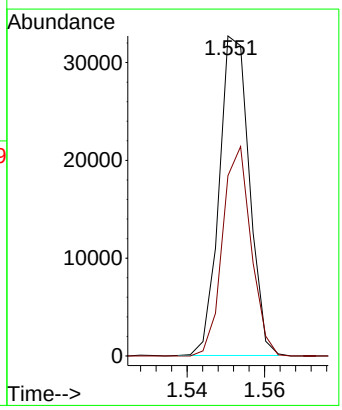


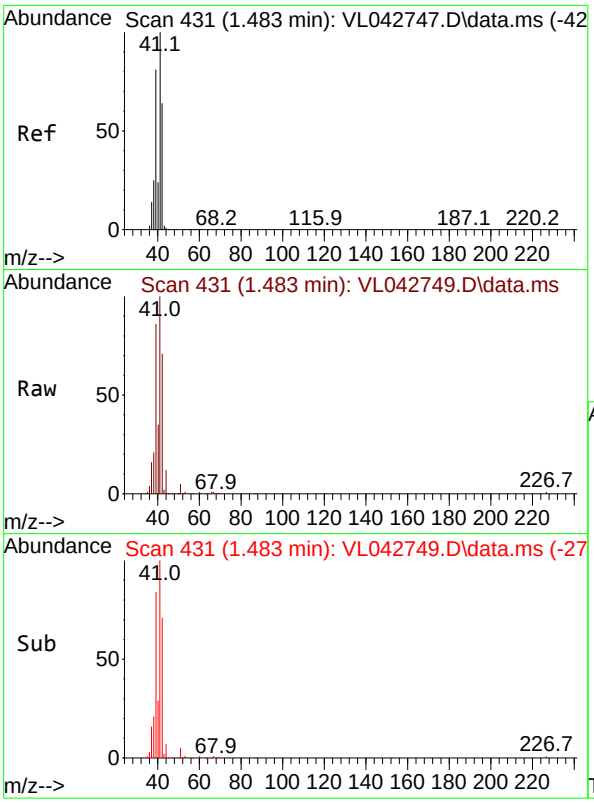


#8
Dichlorotetrafluoroethane
Concen: 1.040 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 17668

Ion	Ratio	Lower	Upper
85	100		
135	62.1	50.6	76.0



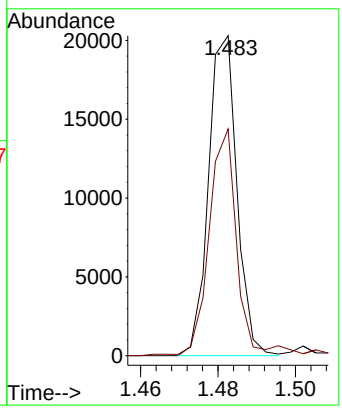


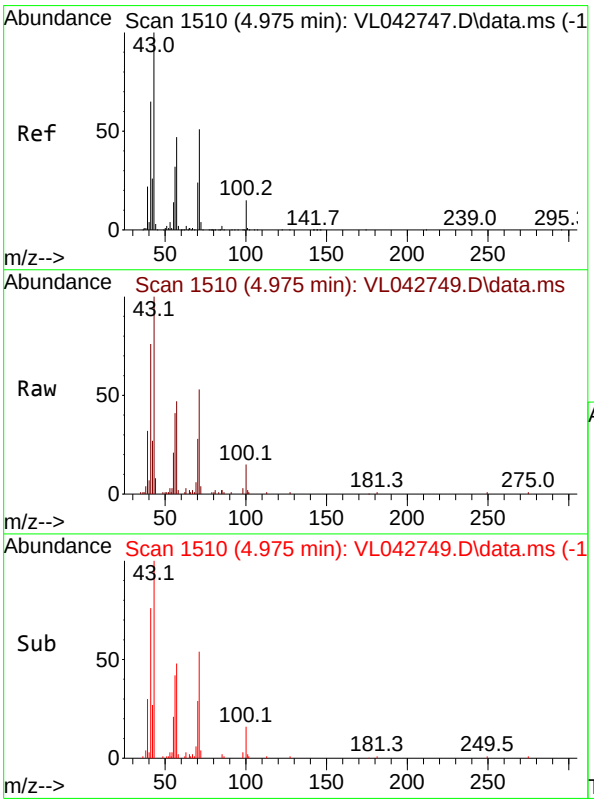
#9
Propene
Concen: 1.057 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 10346

Ion	Ratio	Lower	Upper
41	100		
42	70.5	53.2	79.8

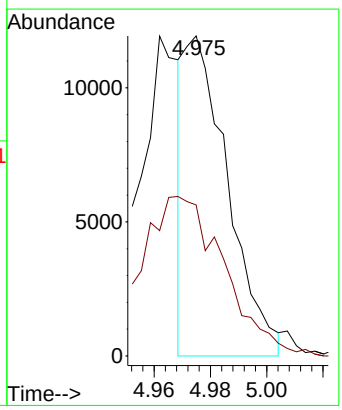


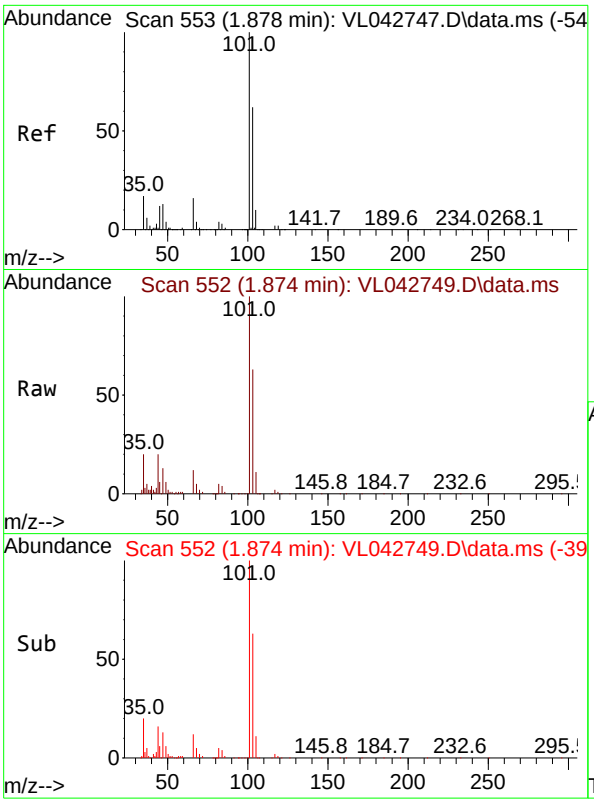


#10
Heptane
Concen: 0.487 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 12823

Ion	Ratio	Lower	Upper
43	100		
57	98.9	39.9	59.9#



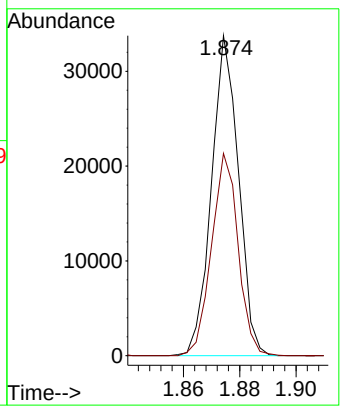


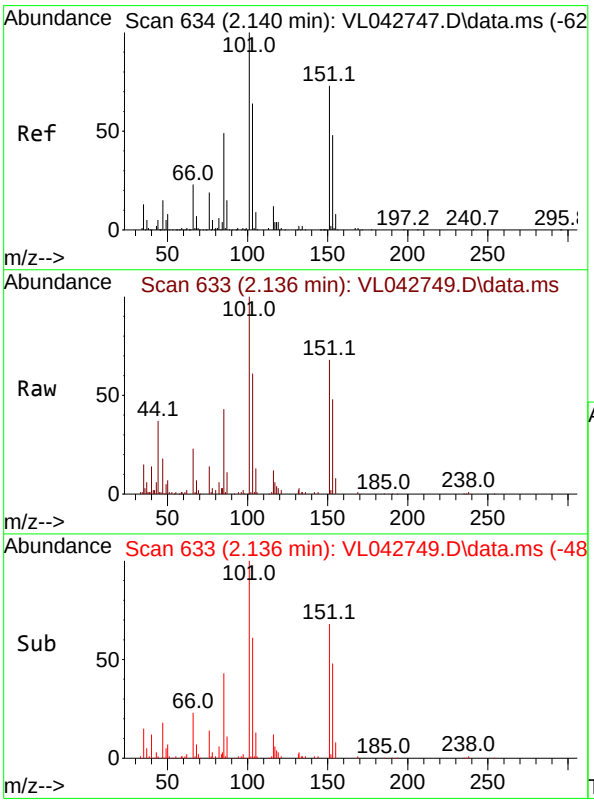
#11
Trichlorofluoromethane
Concen: 1.053 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 22428

Ion	Ratio	Lower	Upper
101	100		
103	63.2	49.6	74.4

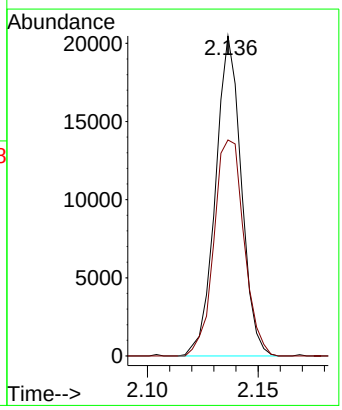


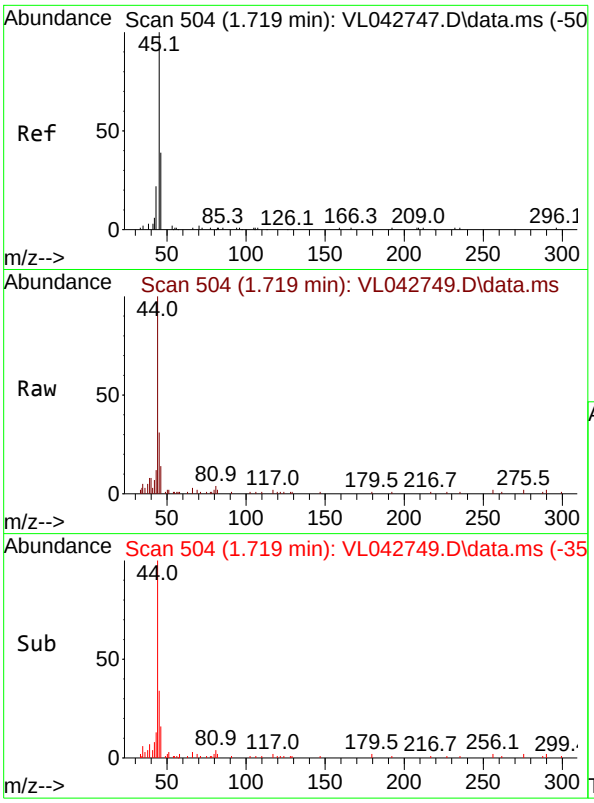


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.026 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 16608

Ion	Ratio	Lower	Upper
101	100		
151	78.6	60.5	90.7



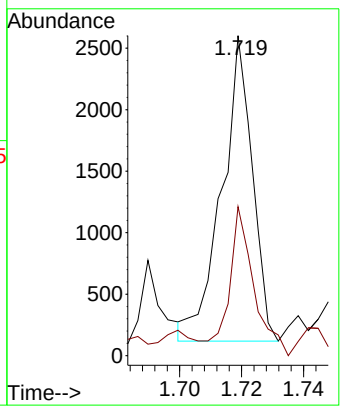


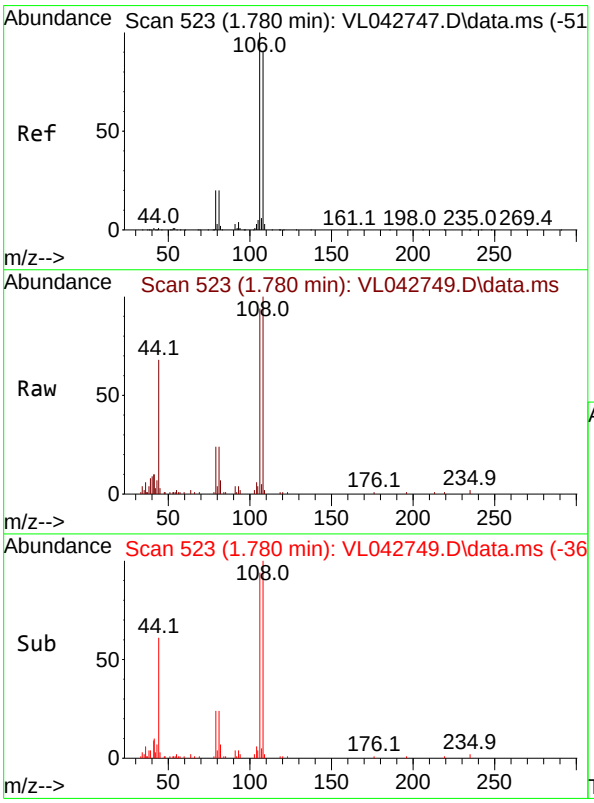
#13
Ethanol
Concen: 1.331 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1698

Ion	Ratio	Lower	Upper
45	100		
46	36.6	17.8	71.4

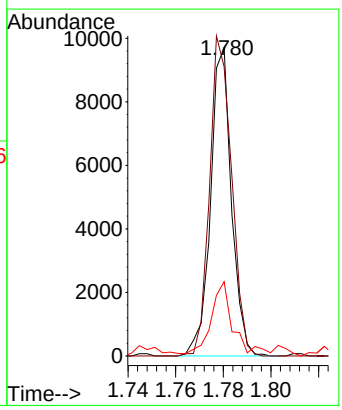


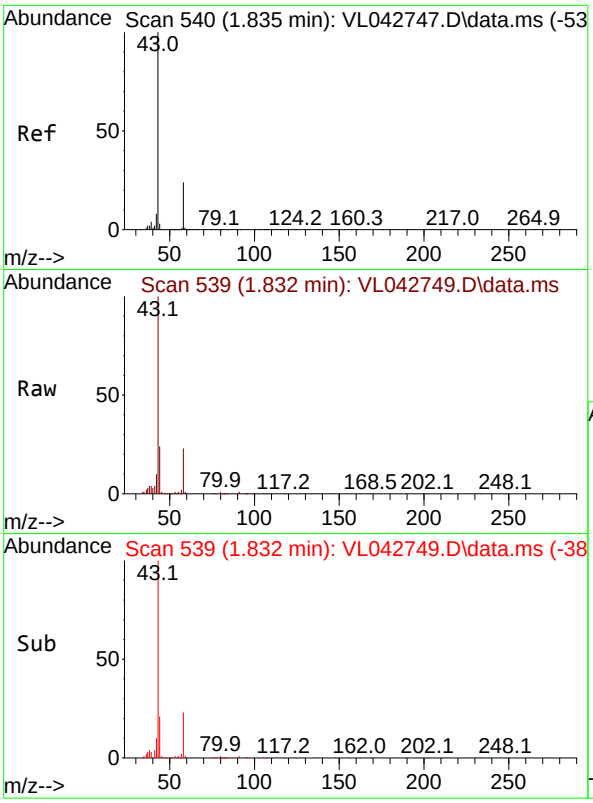


#14
Bromoethene
Concen: 1.034 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:108 Resp: 5928

Ion	Ratio	Lower	Upper
108	100		
106	108.7	84.7	127.1
79	38.6	17.4	26.2#



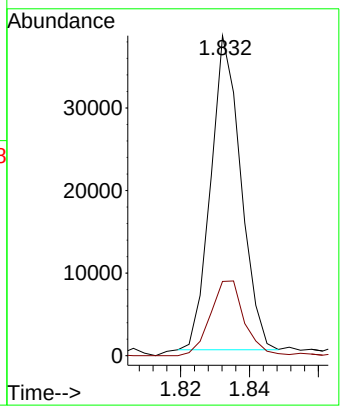


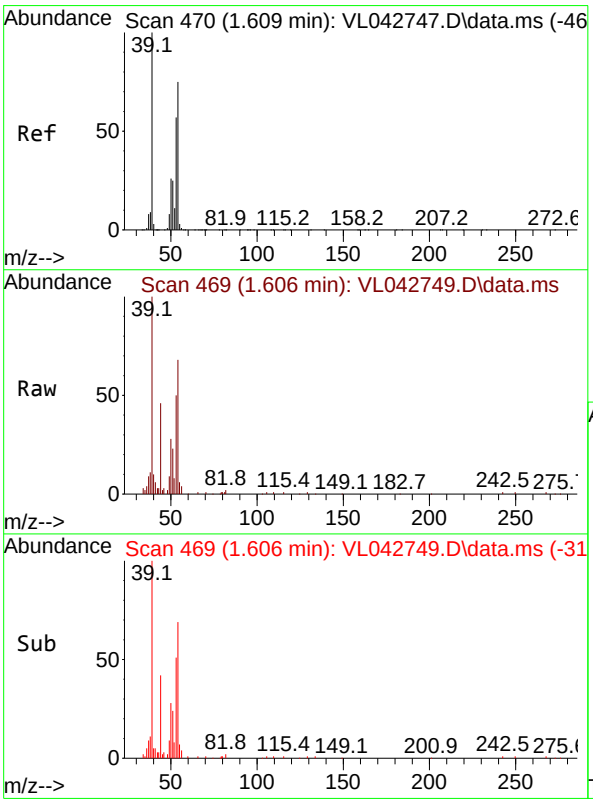
#15
Acetone
Concen: 1.071 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 23119

Ion	Ratio	Lower	Upper
43	100		
58	27.7	19.8	29.8

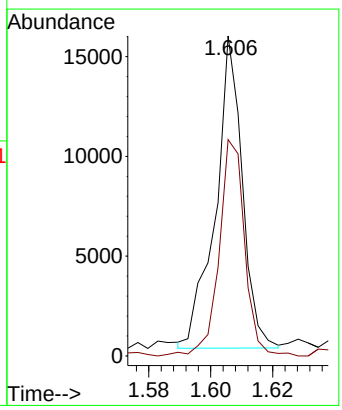


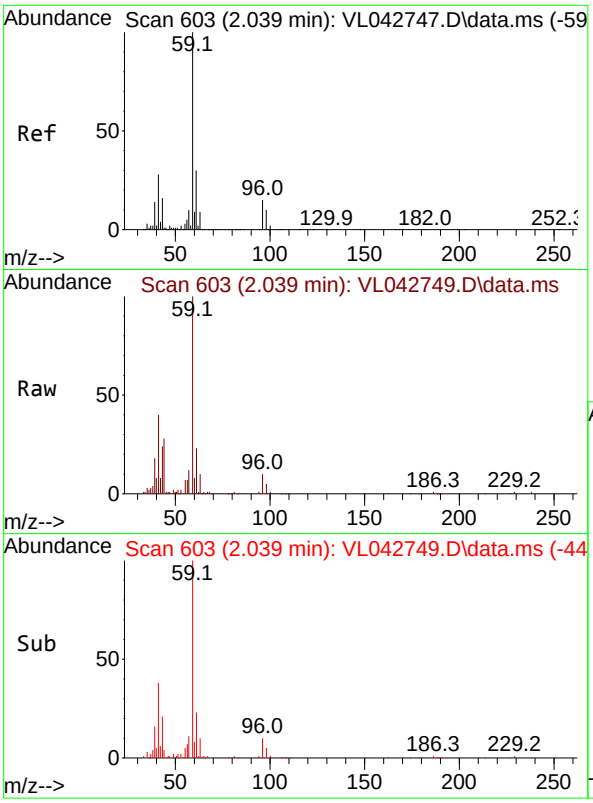


#16
1,3-Butadiene
Concen: 1.023 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 39 Resp: 9416

Ion	Ratio	Lower	Upper
39	100		
54	69.7	54.5	81.7



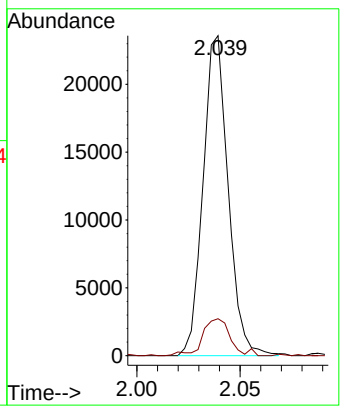


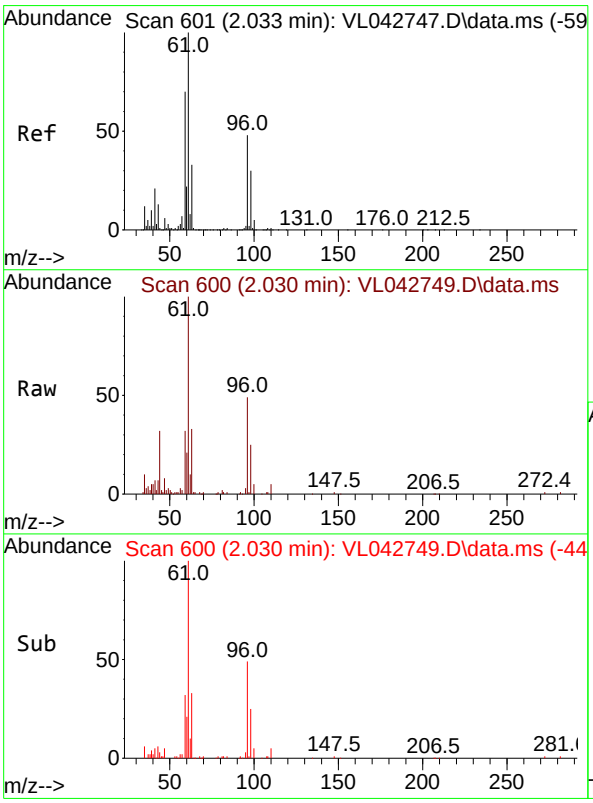
#17
tert-Butyl alcohol
Concen: 1.024 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 19926

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.3	12.5#

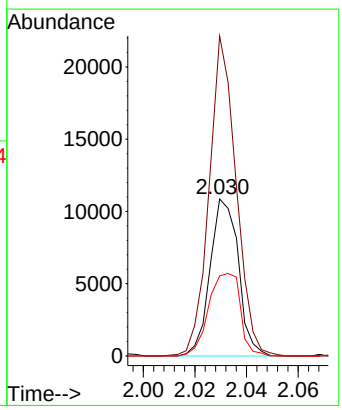


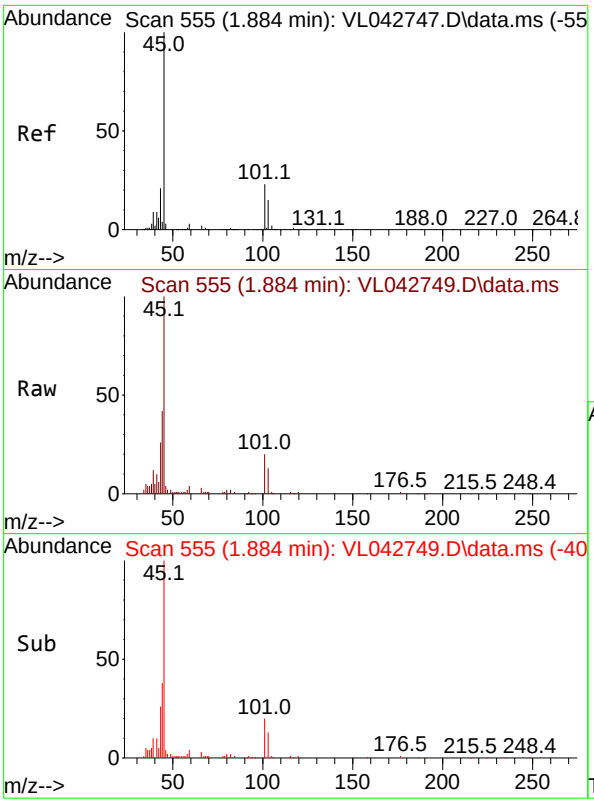


#18
1,1-Dichloroethene
Concen: 1.132 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 8276

Ion	Ratio	Lower	Upper
96	100		
61	203.0	165.8	248.6
98	51.0	49.9	74.9



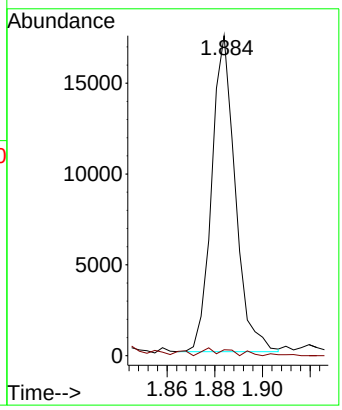


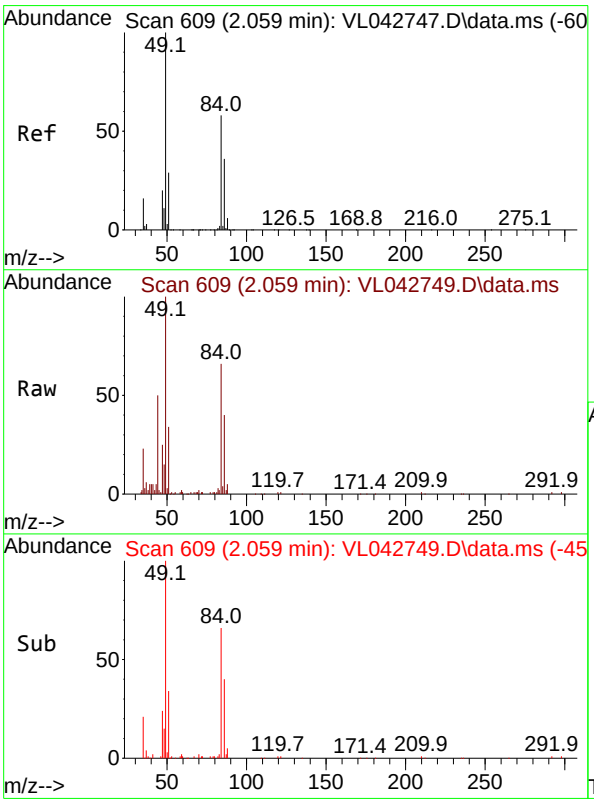
#19
Isopropyl Alcohol
Concen: 1.041 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 11942

Ion	Ratio	Lower	Upper
45	100		
58	2.8	30.0	45.0#

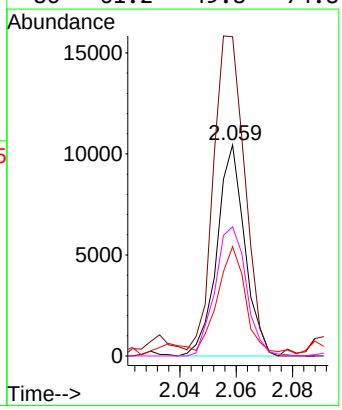


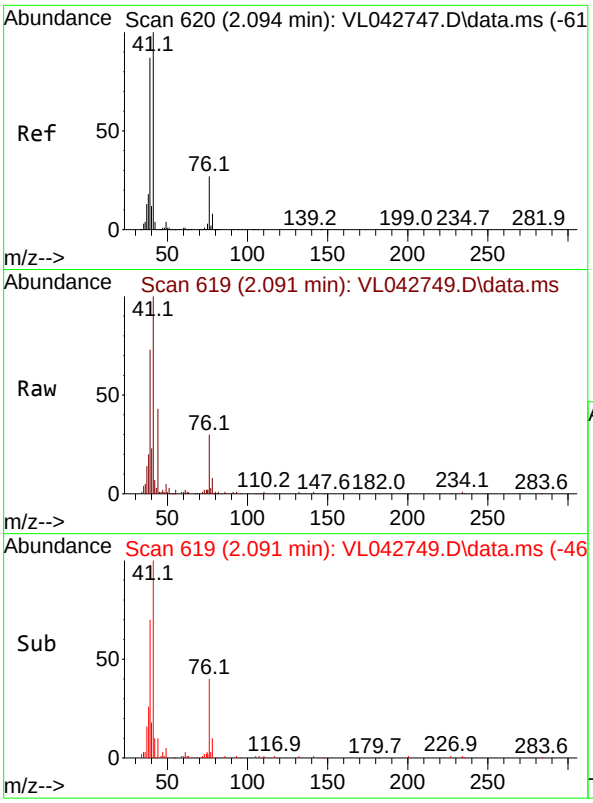


#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 7153

Ion	Ratio	Lower	Upper
84	100		
49	151.3	138.6	208.0
51	50.2	40.6	61.0
86	61.2	49.8	74.8



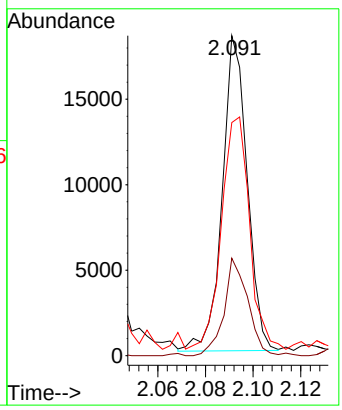


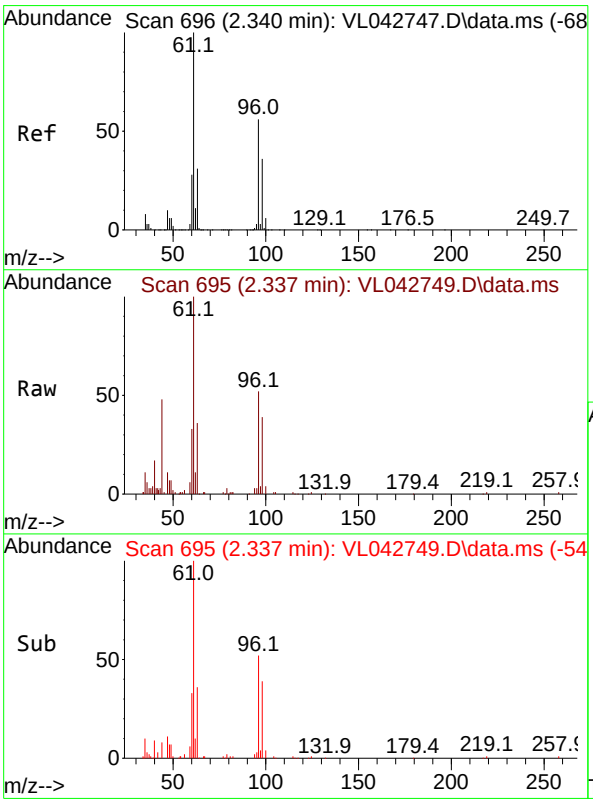
#21
Allyl Chloride
Concen: 1.006 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 13382

Ion	Ratio	Lower	Upper
41	100		
76	30.1	21.1	31.7
39	93.4	68.3	102.5

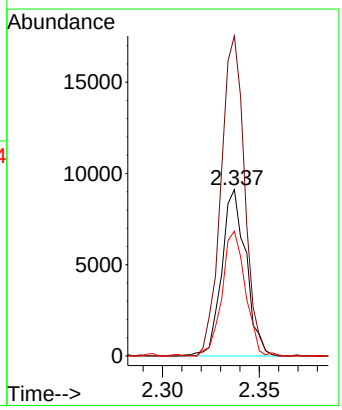


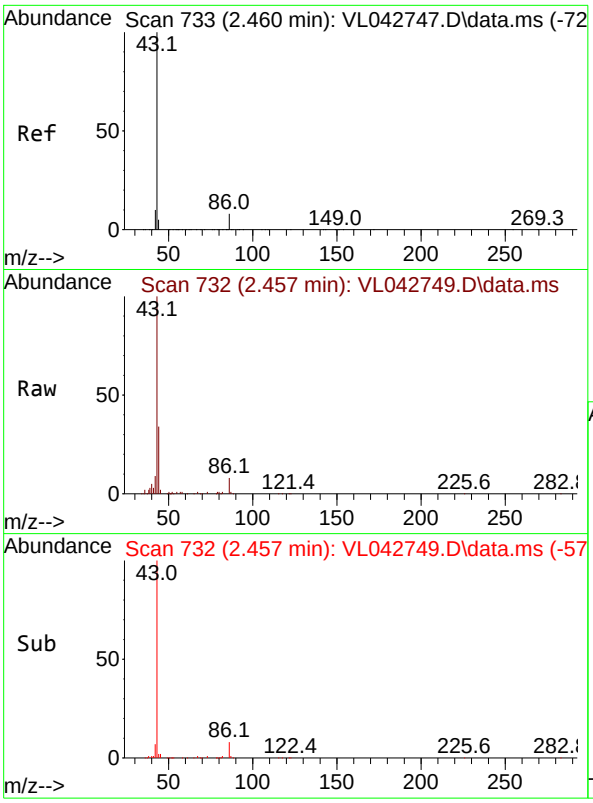


#22
trans-1,2-Dichloroethene
Concen: 1.007 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 7909

Ion	Ratio	Lower	Upper
96	100		
61	192.3	142.3	213.5
98	74.2	50.6	76.0



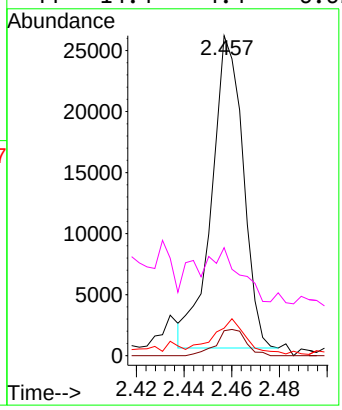


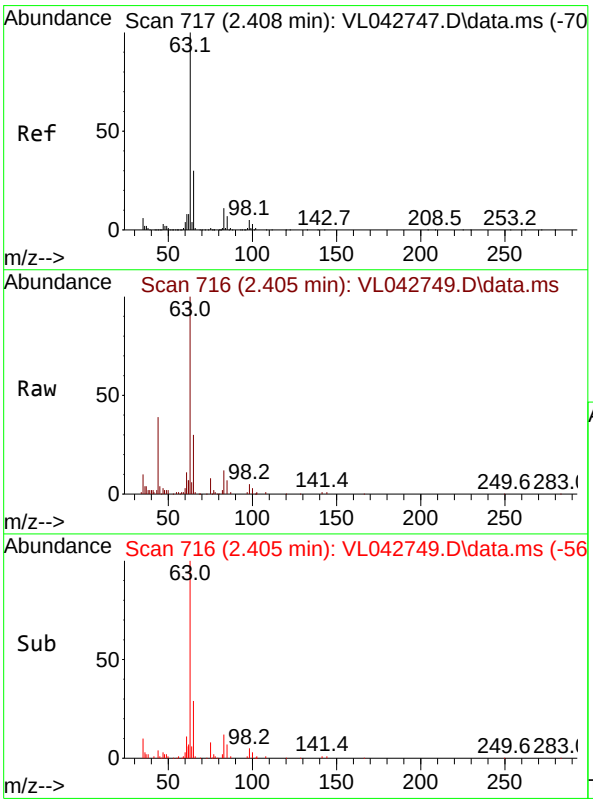
#23
Vinyl Acetate
Concen: 0.897 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 23472

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	7.5	7.8	11.8#
44	14.4	4.4	6.6#

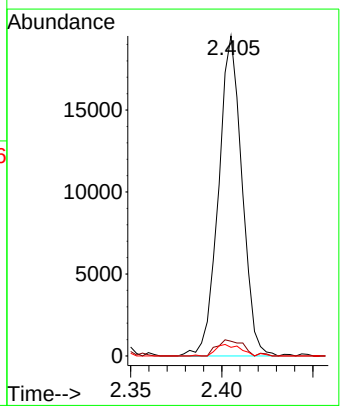


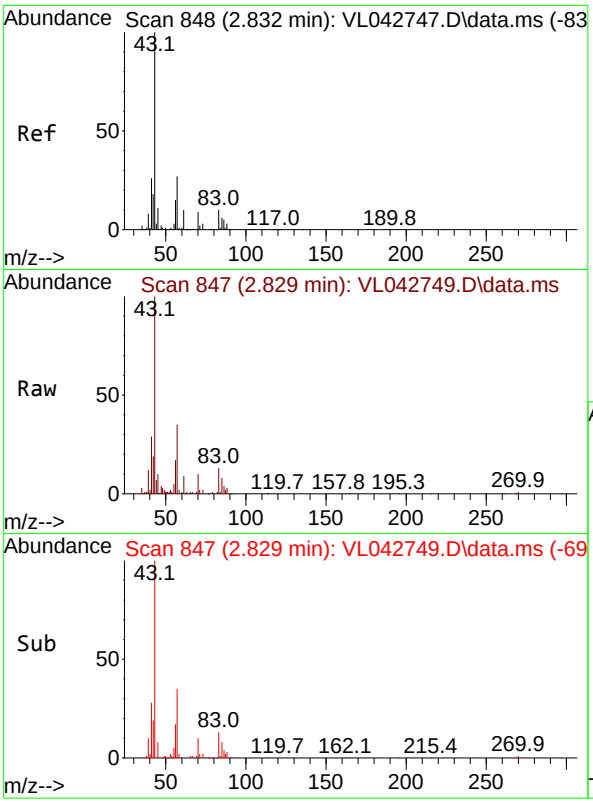


#24
1,1-Dichloroethane
Concen: 1.081 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 63 Resp: 17459

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.4
100	2.7	1.6	4.8



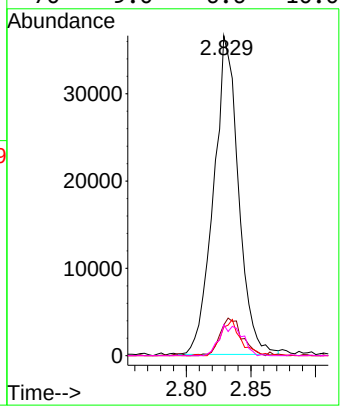


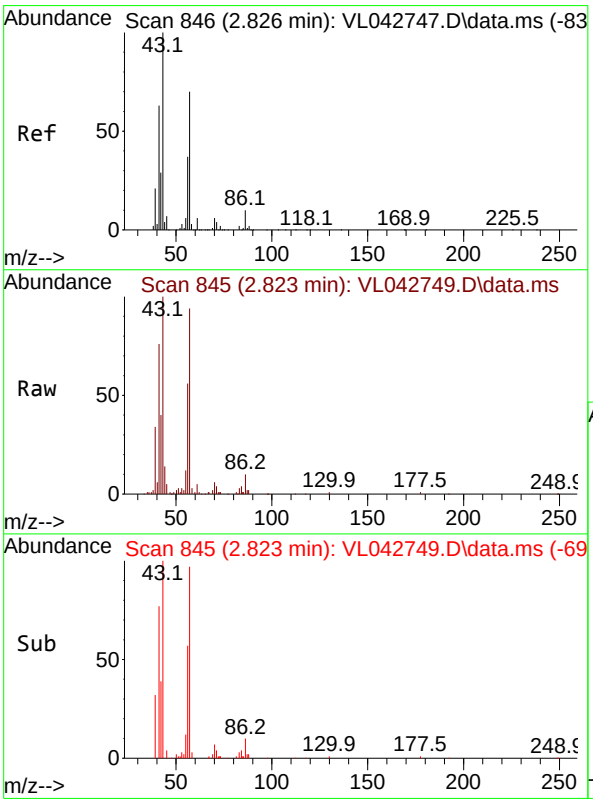
#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 48790

Ion	Ratio	Lower	Upper
43	100		
45	11.3	7.8	11.6
61	9.3	6.7	10.1
70	9.0	6.6	10.0

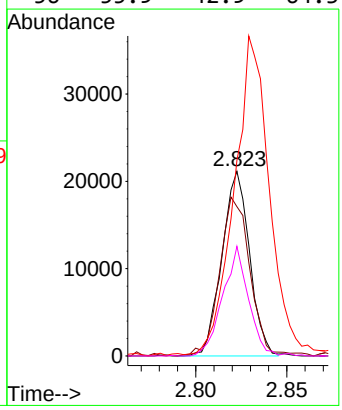


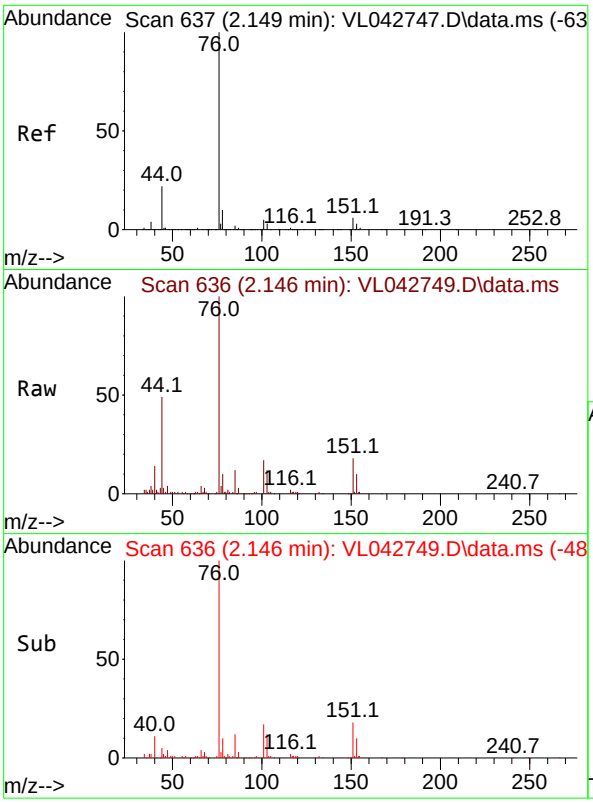


#26
Hexane
Concen: 1.063 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 22279

Ion	Ratio	Lower	Upper
57	100		
41	98.5	75.4	113.2
43	230.7	185.0	277.6
56	55.9	42.9	64.3



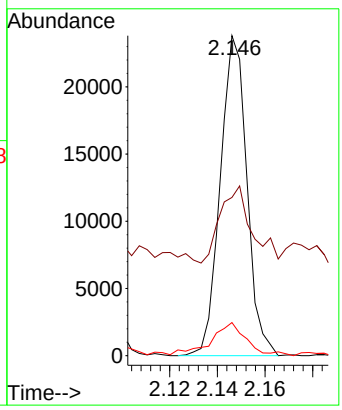


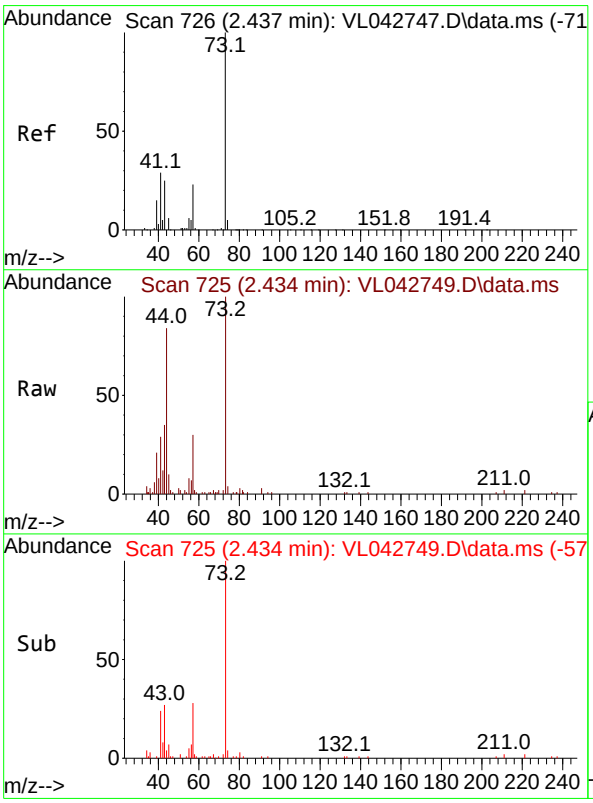
#27
Carbon Disulfide
Concen: 1.031 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 18488

Ion	Ratio	Lower	Upper
76	100		
44	115.6	19.3	28.9#
78	14.9	9.9	14.9#

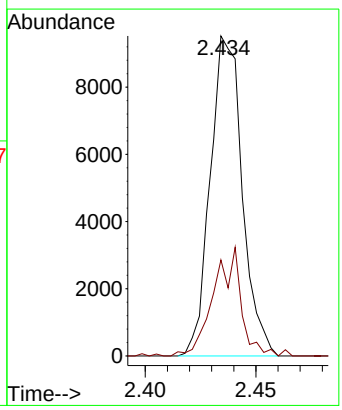


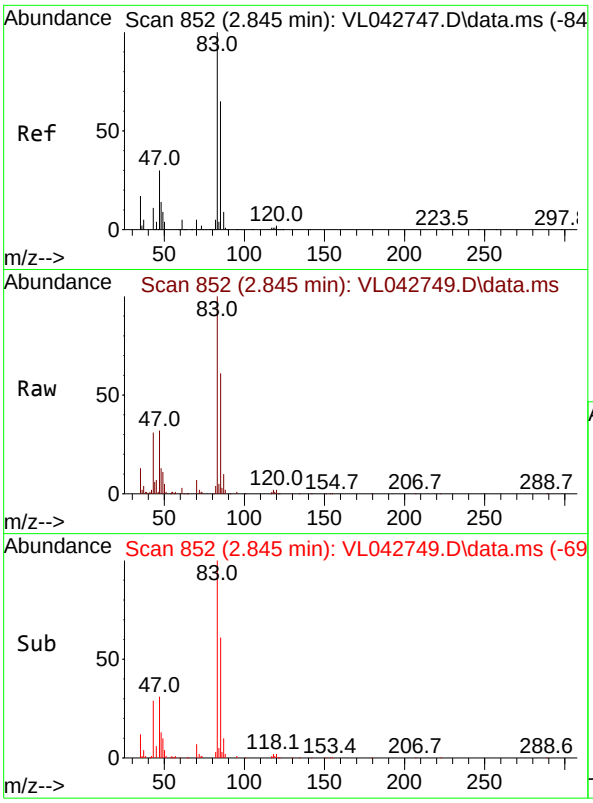


#28
Methyl tert-Butyl Ether
Concen: 0.968 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 73 Resp: 9587

Ion	Ratio	Lower	Upper
73	100		
57	29.7	19.8	29.8



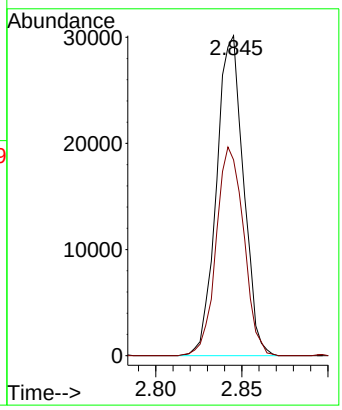


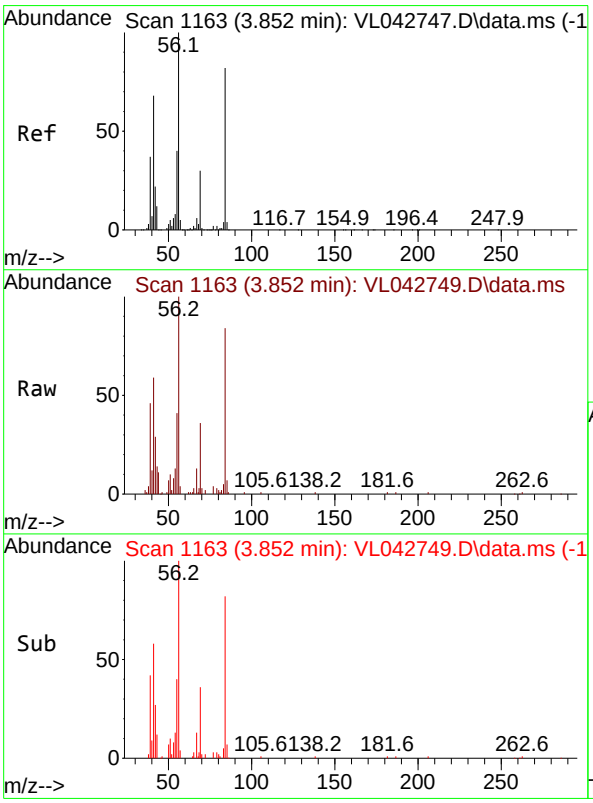
#29
Chloroform
Concen: 1.015 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 32880

Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.2

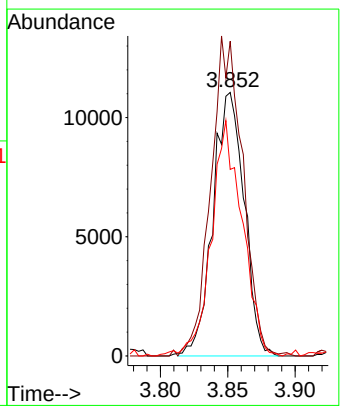


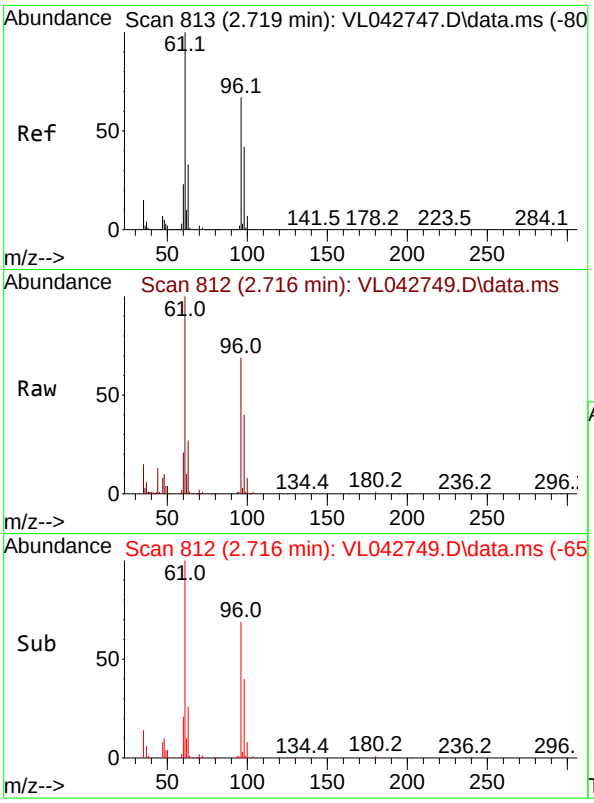


#30
Cyclohexane
Concen: 1.003 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 17824

Ion	Ratio	Lower	Upper
84	100		
56	124.3	97.5	146.3
41	88.5	67.2	100.8



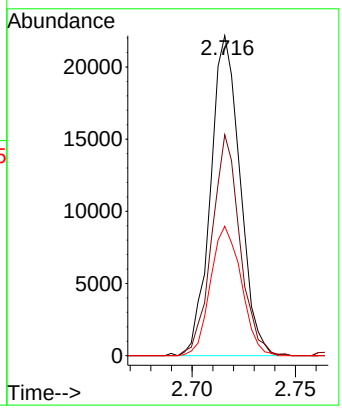


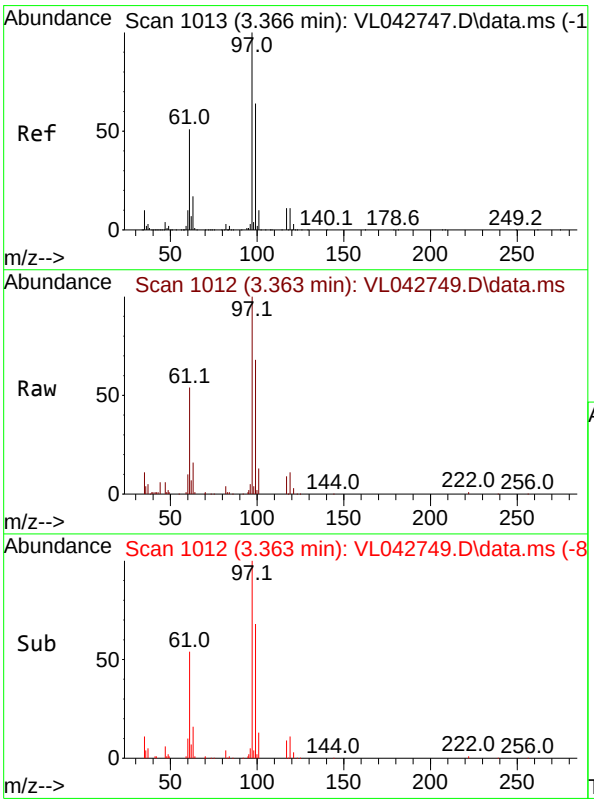
#31
cis-1,2-Dichloroethene
Concen: 1.021 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 21979

Ion	Ratio	Lower	Upper
61	100		
96	69.0	53.5	80.3
98	40.5	33.6	50.4

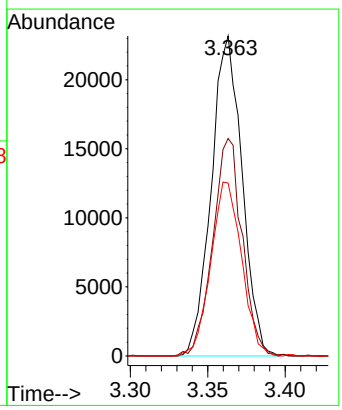


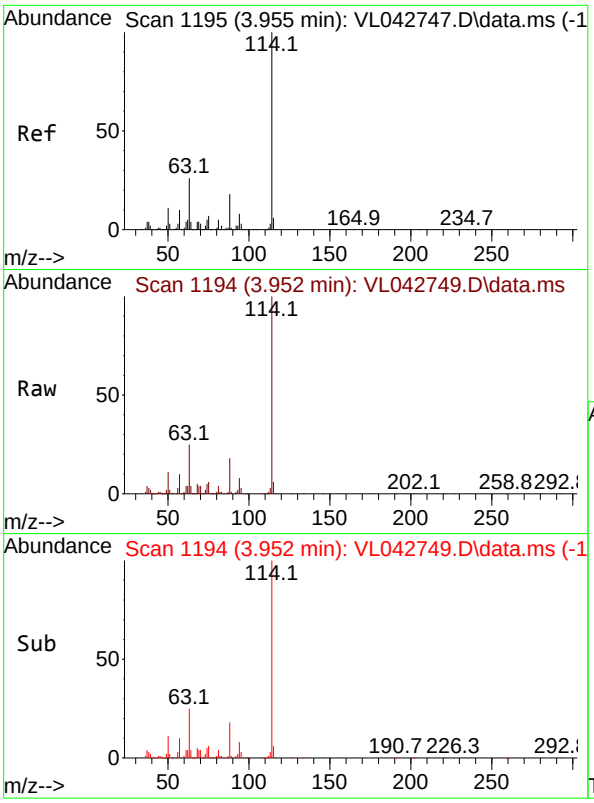


#32
1,1,1-Trichloroethane
Concen: 0.949 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 32003

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	54.5	40.9	61.3



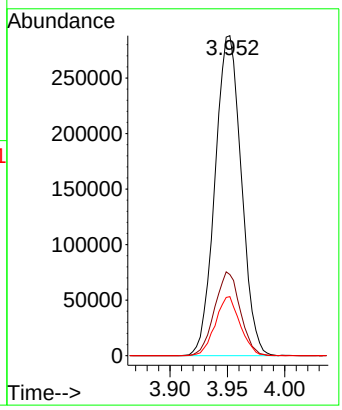


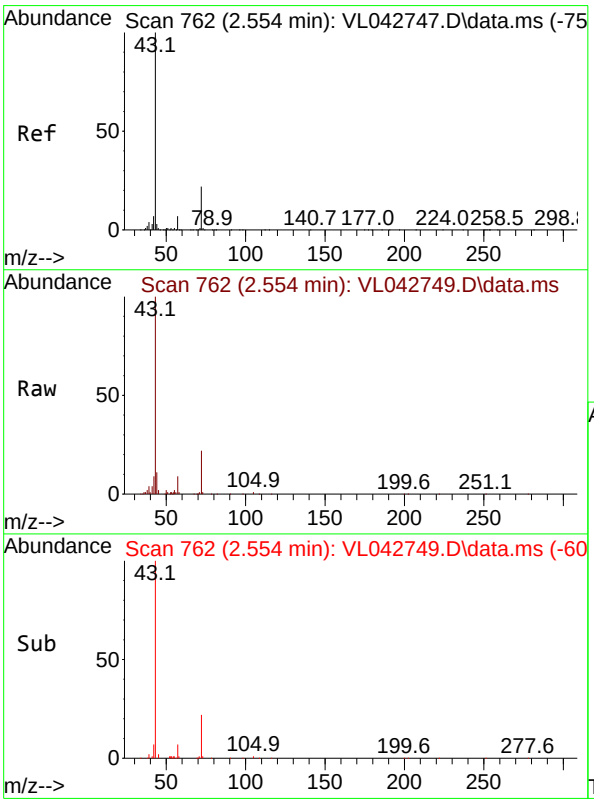
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 459770

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.5	30.7
88	17.4	14.0	21.0

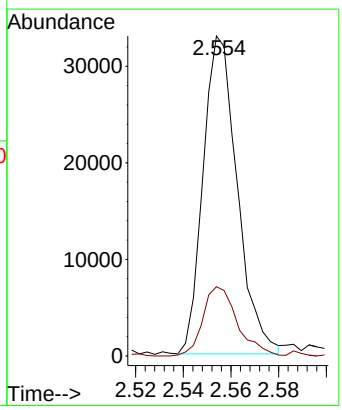


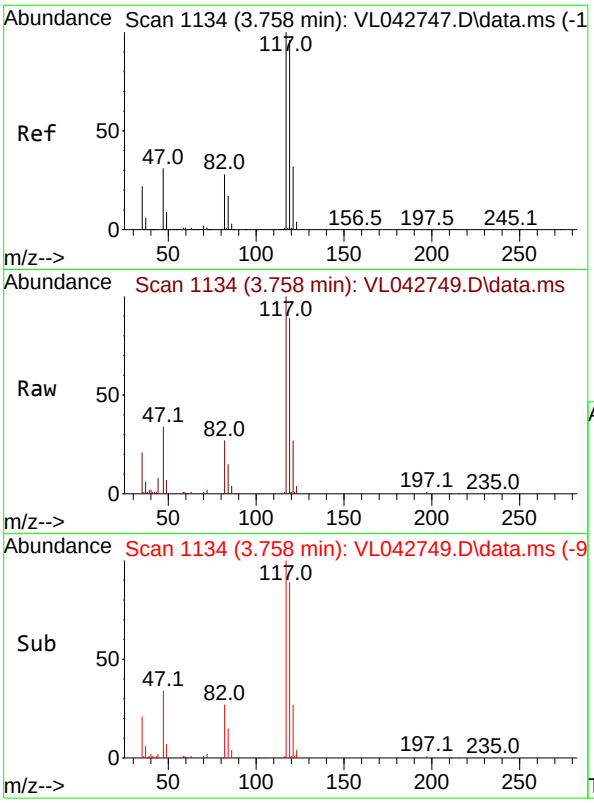


#34
2-Butanone
Concen: 1.007 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 32783

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.0



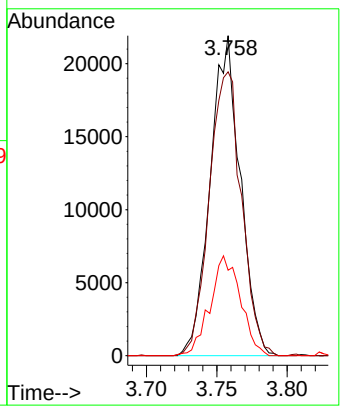


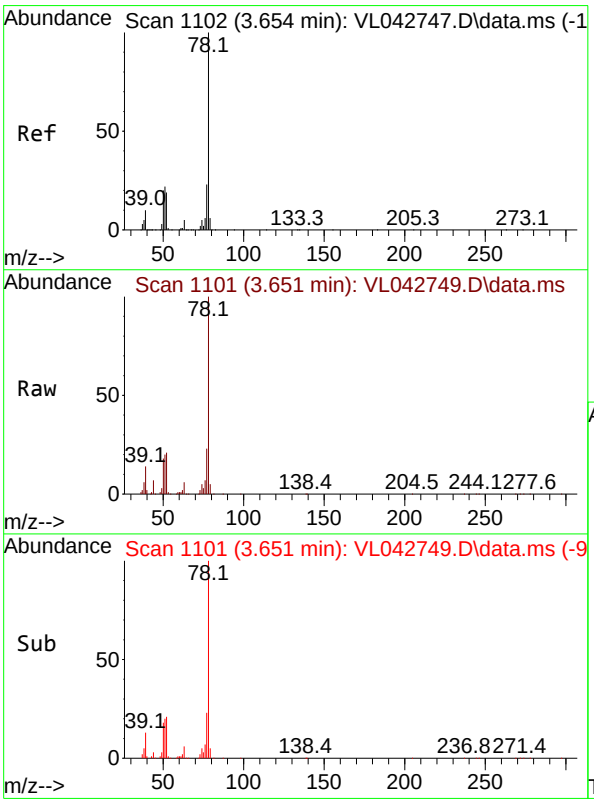
#35
Carbon Tetrachloride
Concen: 0.954 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 32610

Ion	Ratio	Lower	Upper
117	100		
119	88.7	77.1	115.7
121	26.7	25.5	38.3

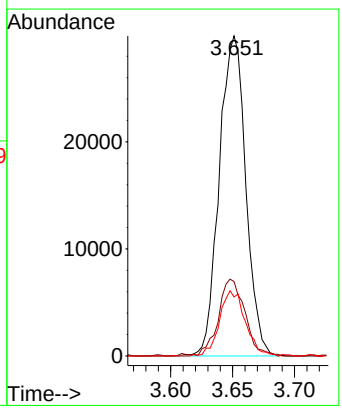


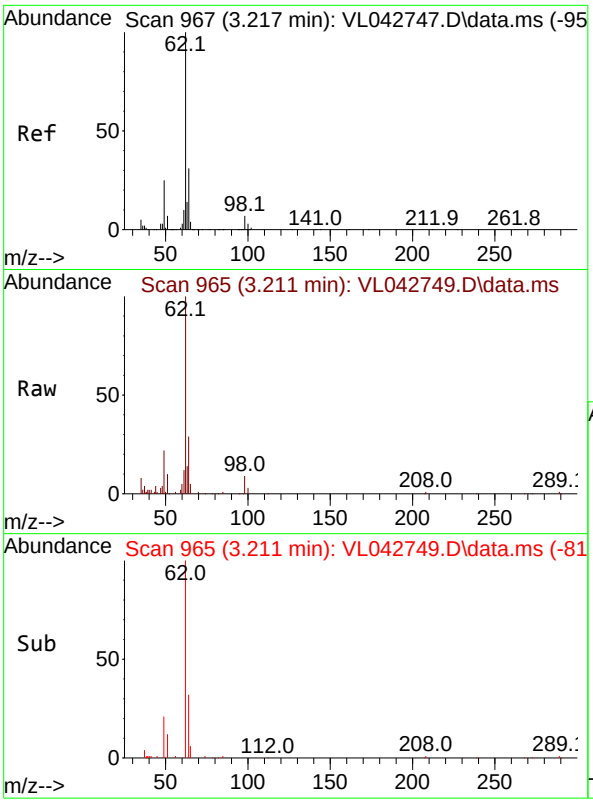


#36
Benzene
Concen: 1.024 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 78 Resp: 44638

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	18.4	16.2	24.2



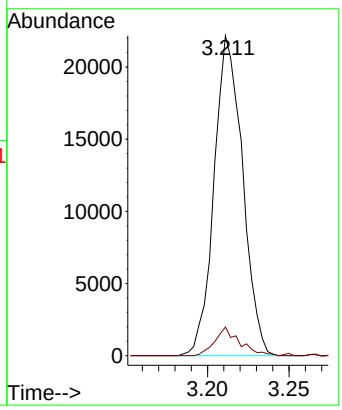


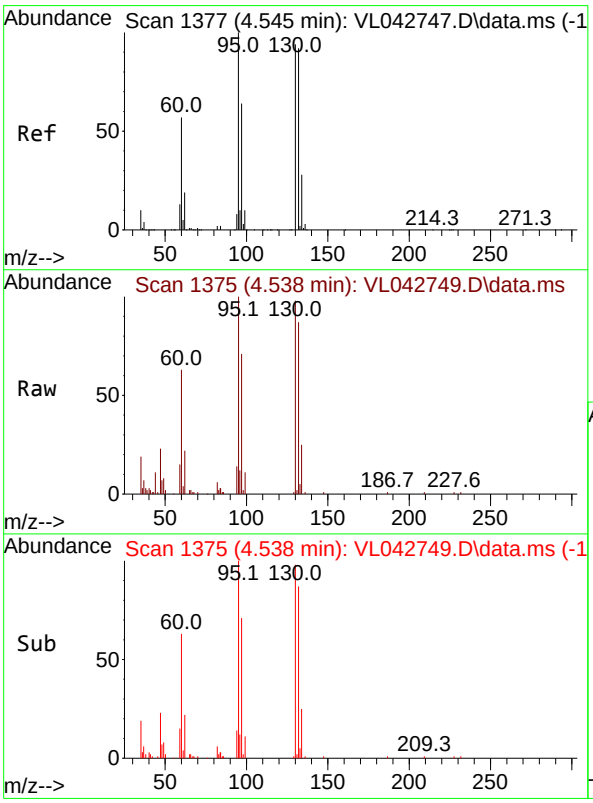
#37
1,2-Dichloroethane
Concen: 1.025 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 26909

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.2	7.8#

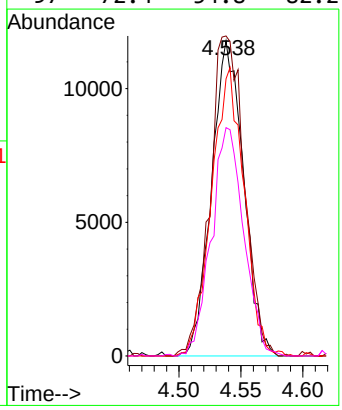


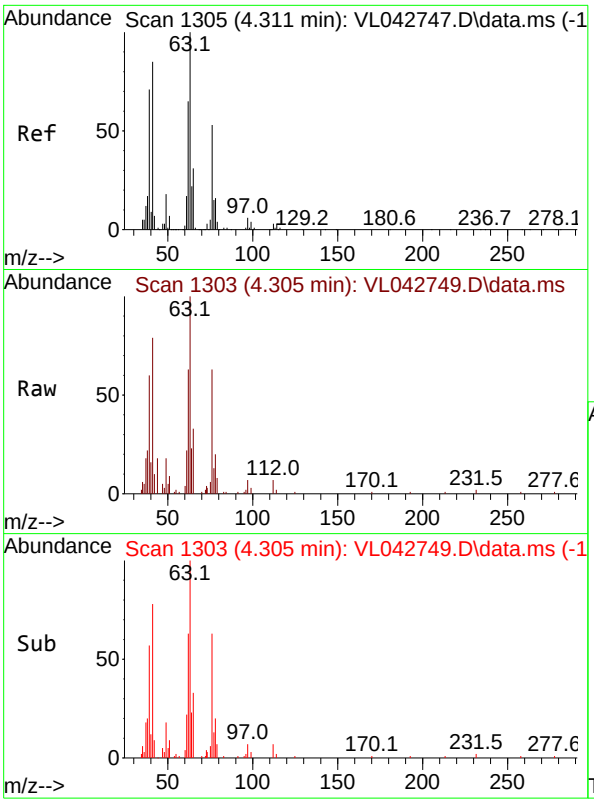


#38
Trichloroethene
Concen: 1.005 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:130 Resp: 21122

Ion	Ratio	Lower	Upper
130	100		
95	101.6	85.4	128.2
132	87.5	78.2	117.2
97	72.4	54.8	82.2



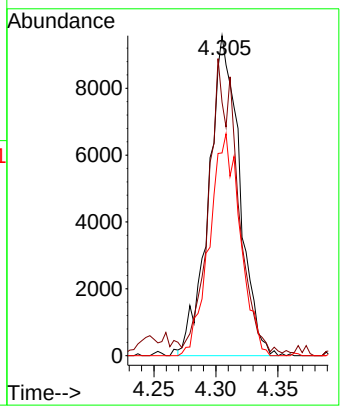


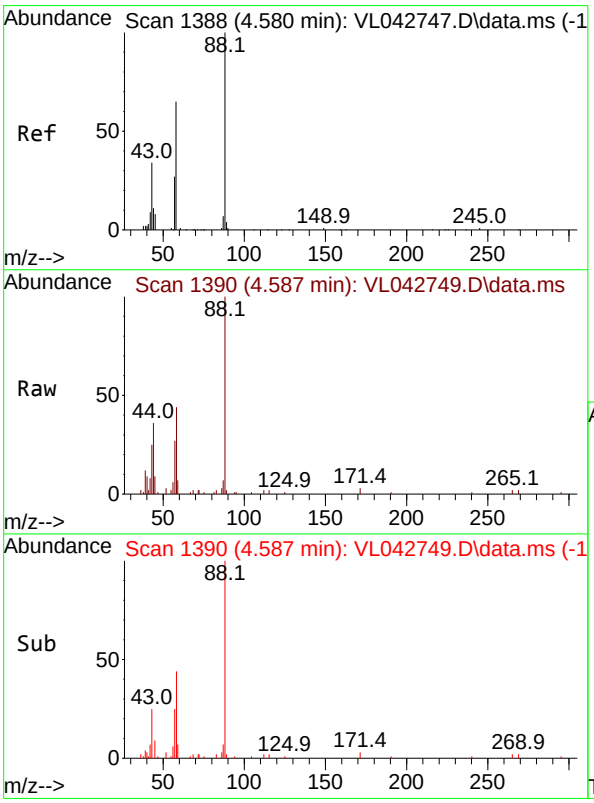
#39
1,2-Dichloropropane
Concen: 1.033 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 16622

Ion	Ratio	Lower	Upper
63	100		
41	77.8	68.2	102.4
62	63.3	52.0	78.0

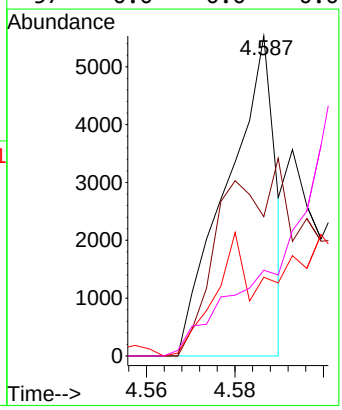


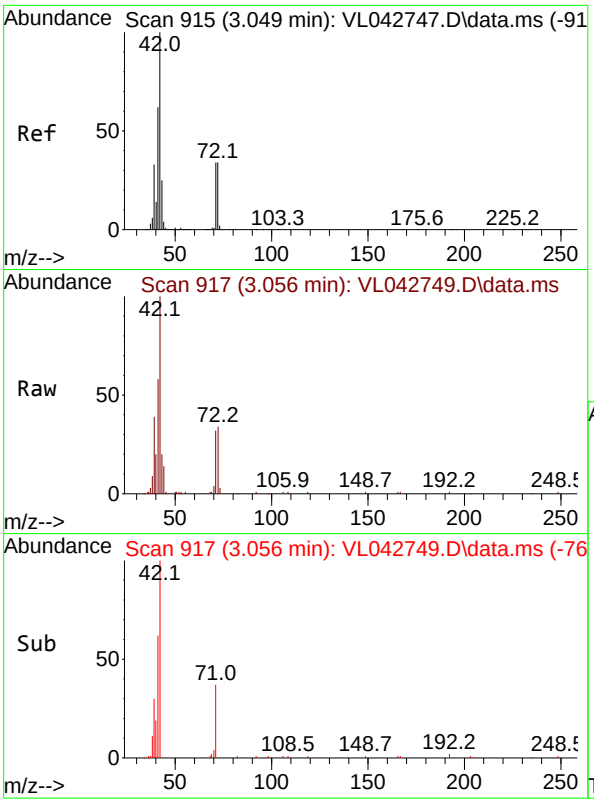


#40
1,4-Dioxane
Concen: 0.552 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 88 Resp: 4184

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



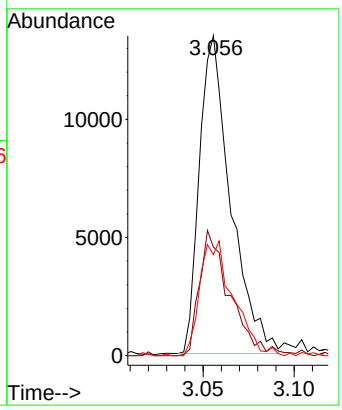


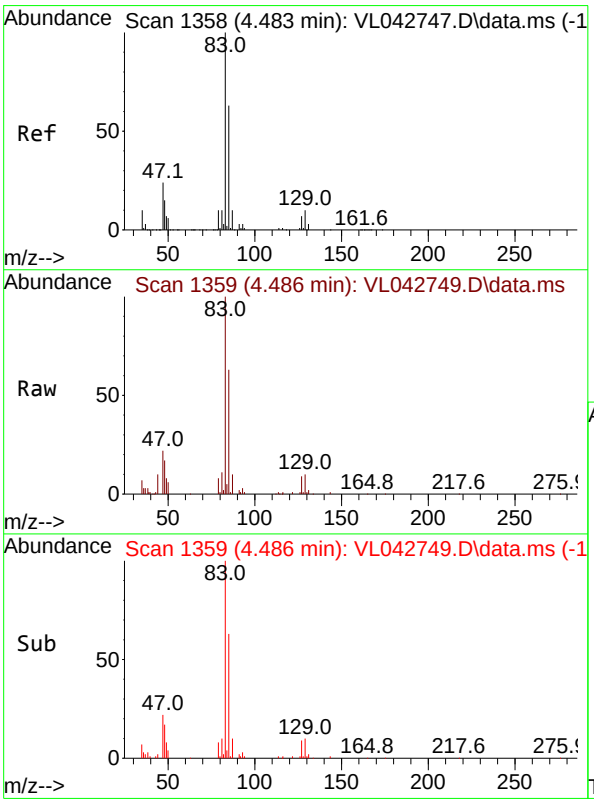
#41
Tetrahydrofuran
Concen: 0.984 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 16097

Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.9	46.3
71	38.6	28.6	43.0

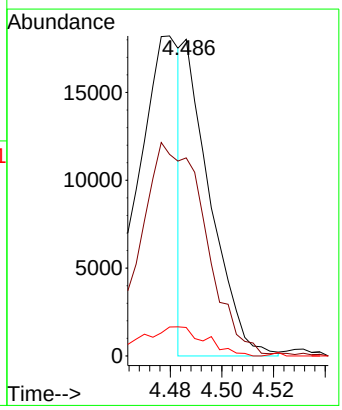


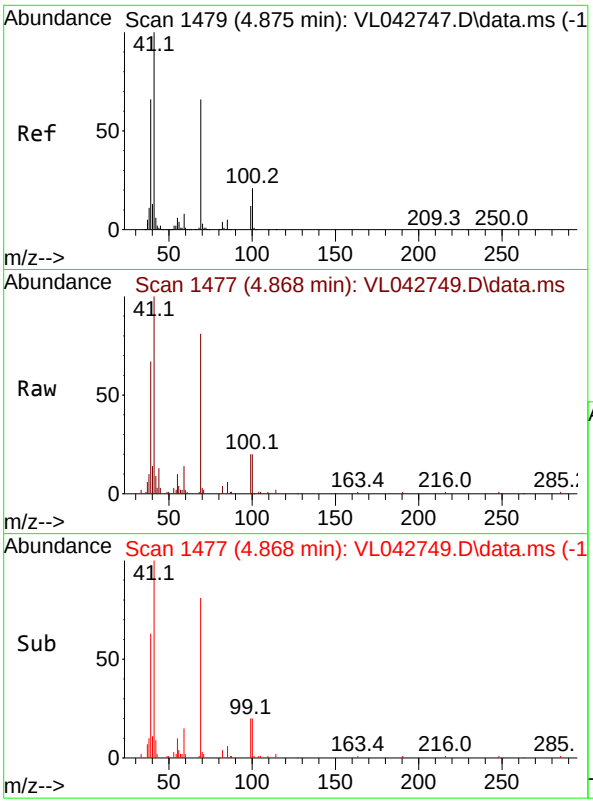


#42
Bromodichloromethane
Concen: 0.388 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 83 Resp: 13285

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.2	75.4
127	8.0	5.4	8.2



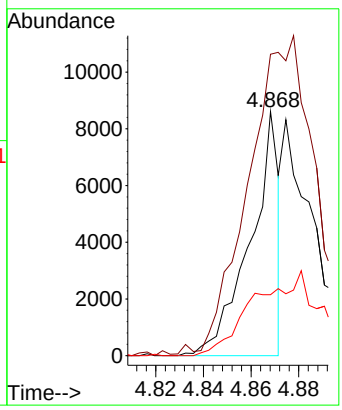


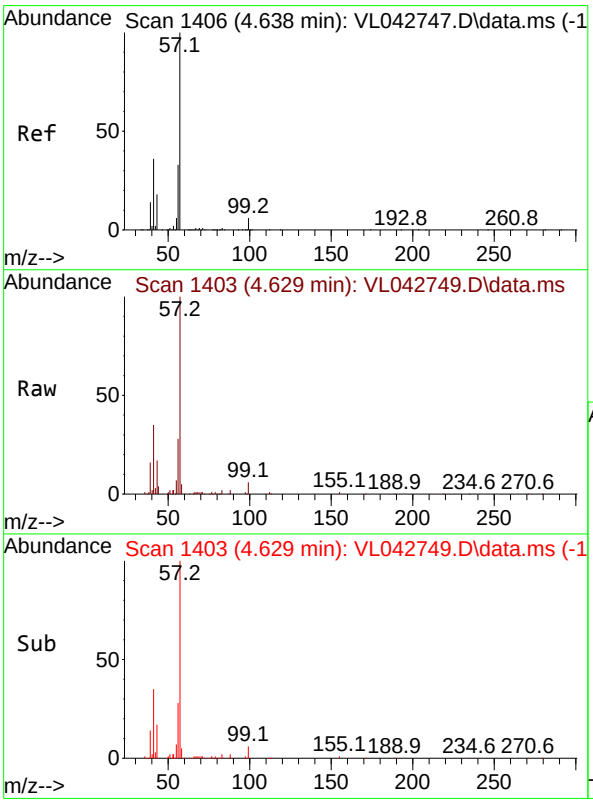
#43
Methyl Methacrylate
Concen: 0.461 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 7135

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#

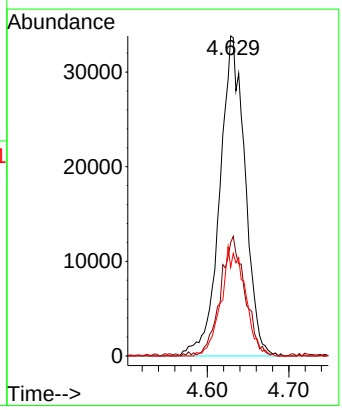


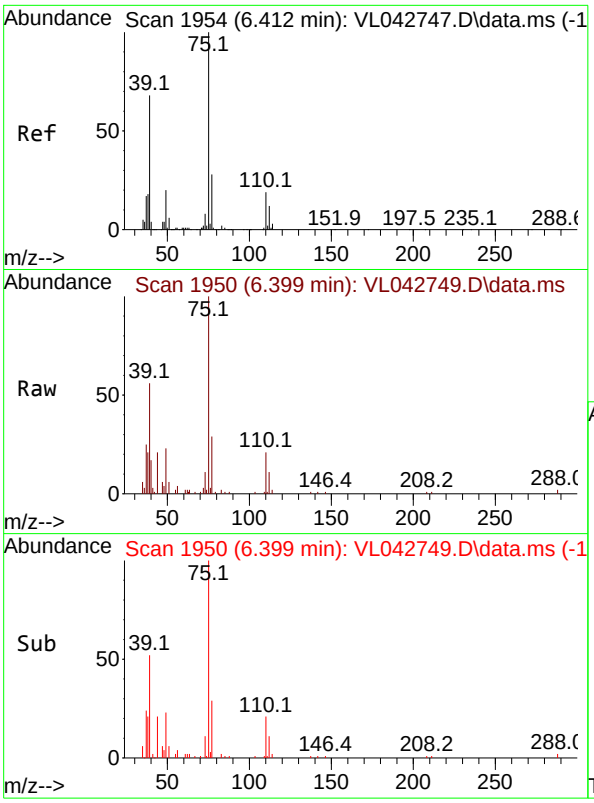


#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 72865

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.5	25.8	38.6



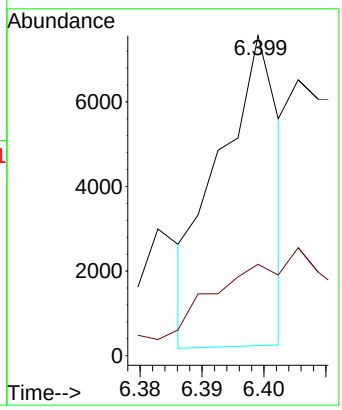


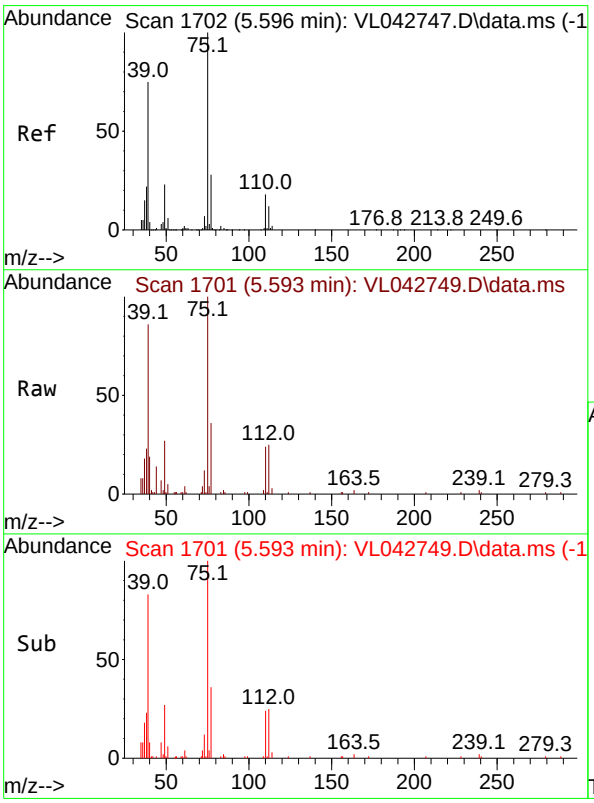
#45
t-1,3-Dichloropropene
Concen: 0.284 ppbv
RT: 6.399 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4937

Ion	Ratio	Lower	Upper
75	100		
77	28.5	22.4	33.6

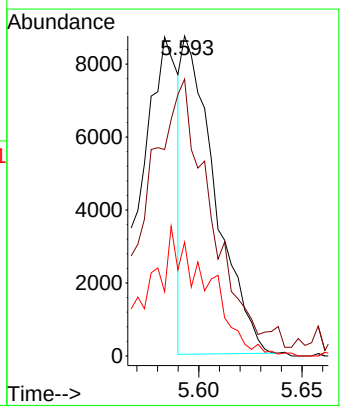


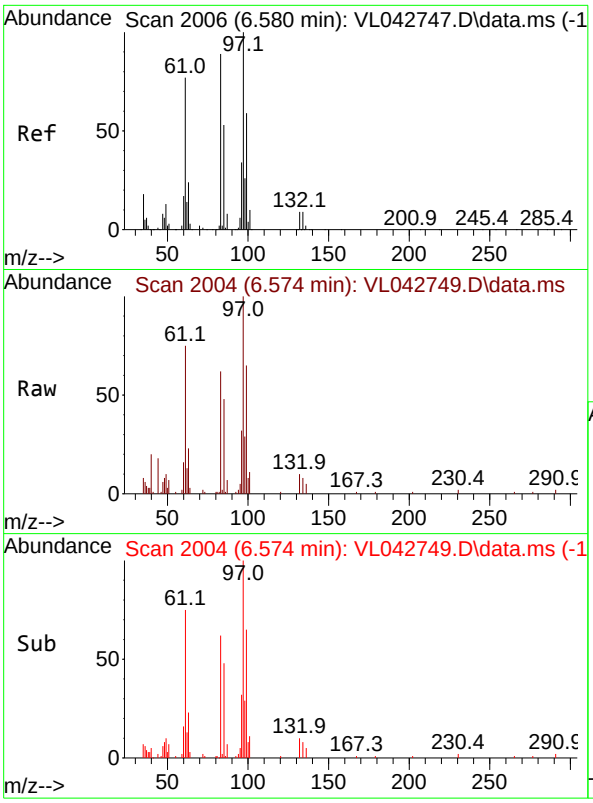


#46
cis-1,3-Dichloropropene
Concen: 0.439 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 9670

Ion	Ratio	Lower	Upper
75	100		
39	78.0	60.2	90.2
77	35.3	22.6	34.0#



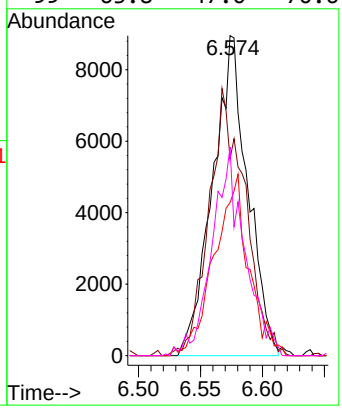


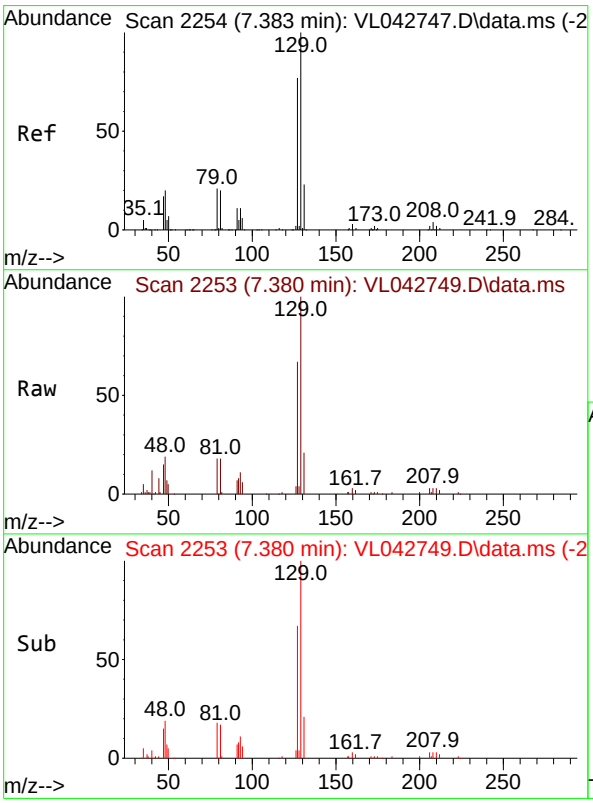
#47
1,1,2-Trichloroethane
Concen: 1.029 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 17646

Ion	Ratio	Lower	Upper
97	100		
83	60.2	71.1	106.7#
85	46.8	43.0	64.4
99	63.8	47.0	70.6

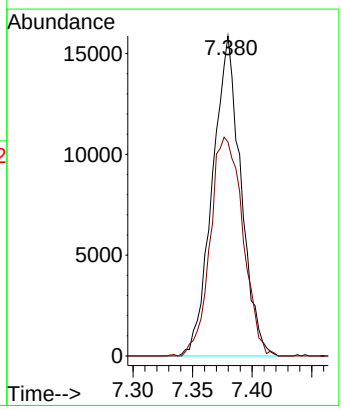


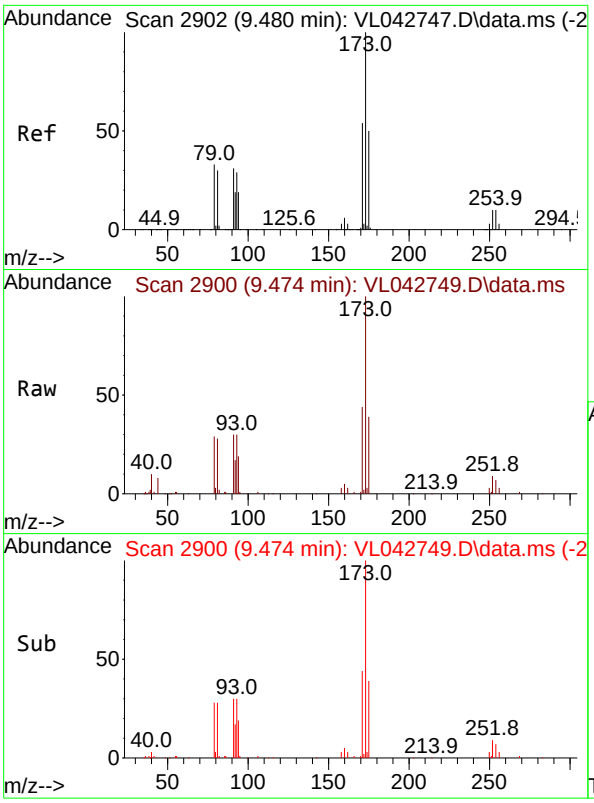


#48
Dibromochloromethane
Concen: 0.965 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:129 Resp: 26259

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.7	116.1



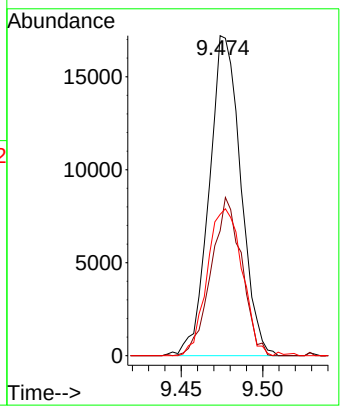


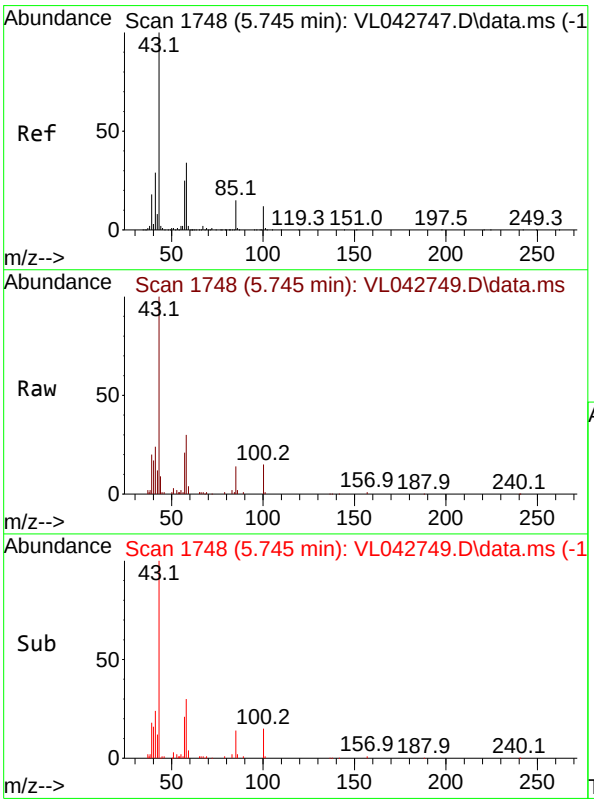
#49
Bromoform
Concen: 0.973 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 23083

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
171	51.3	40.9	61.3

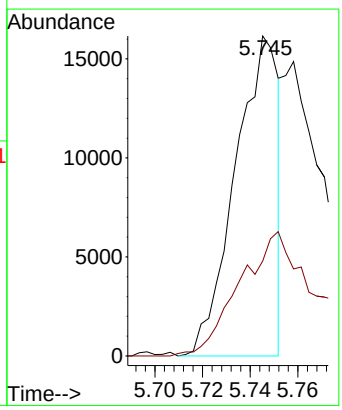


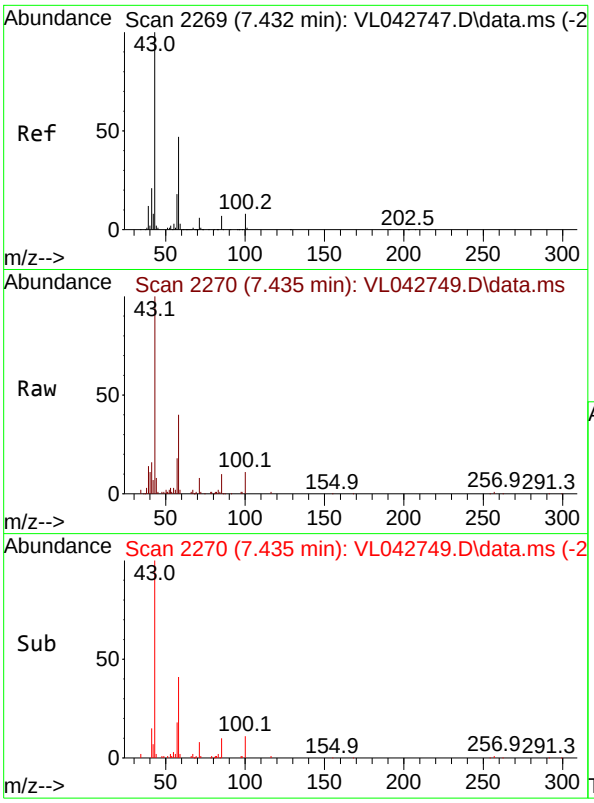


#50
4-Methyl-2-Pentanone
Concen: 0.488 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 20247

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



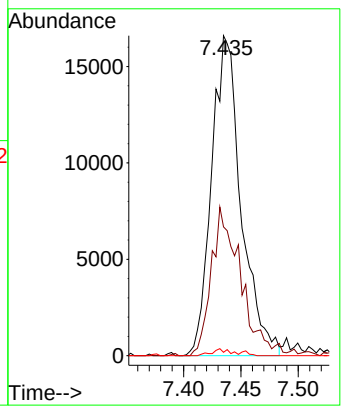


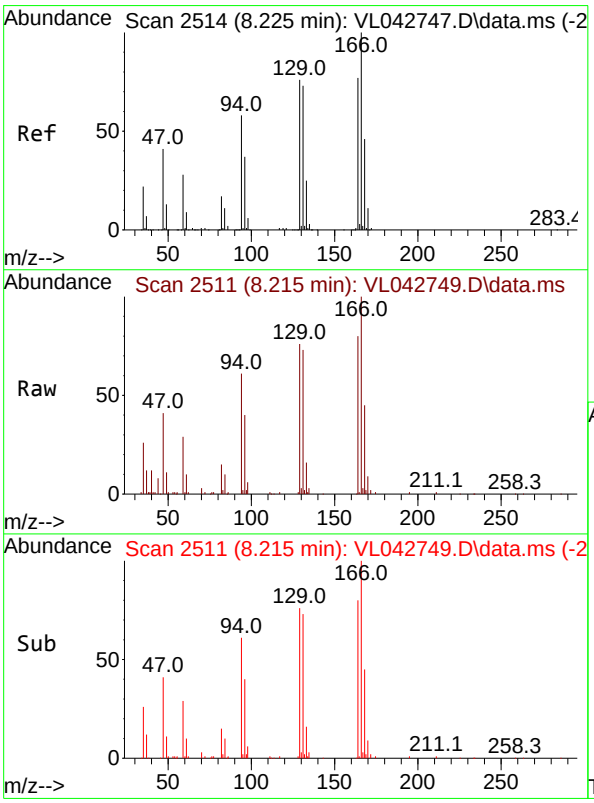
#51
2-Hexanone
Concen: 0.939 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 29761

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	1.6	0.2	0.4#

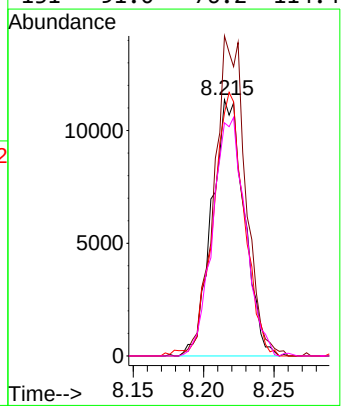


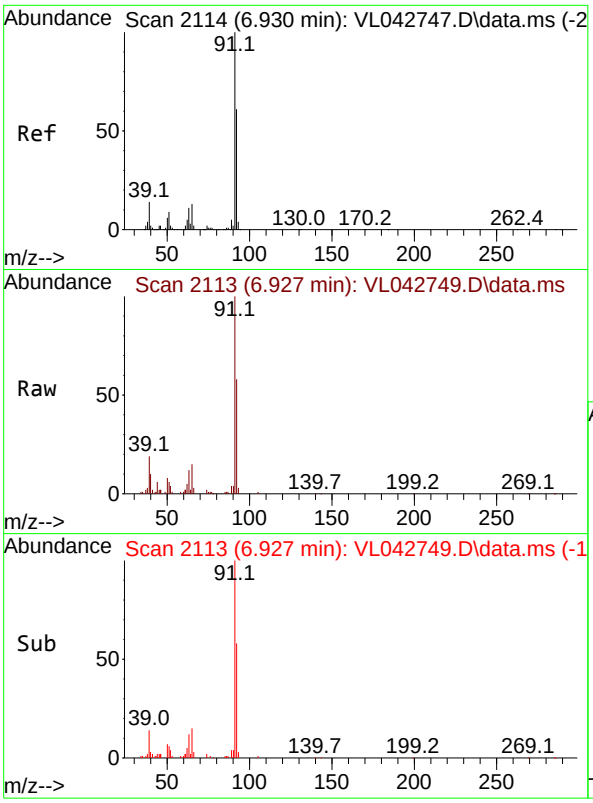


#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:164 Resp: 18131

Ion	Ratio	Lower	Upper
164	100		
166	124.9	104.0	156.0
129	94.8	79.2	118.8
131	91.0	76.2	114.4



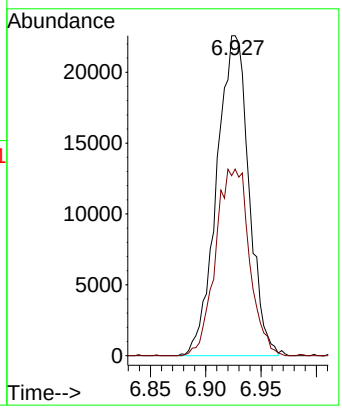


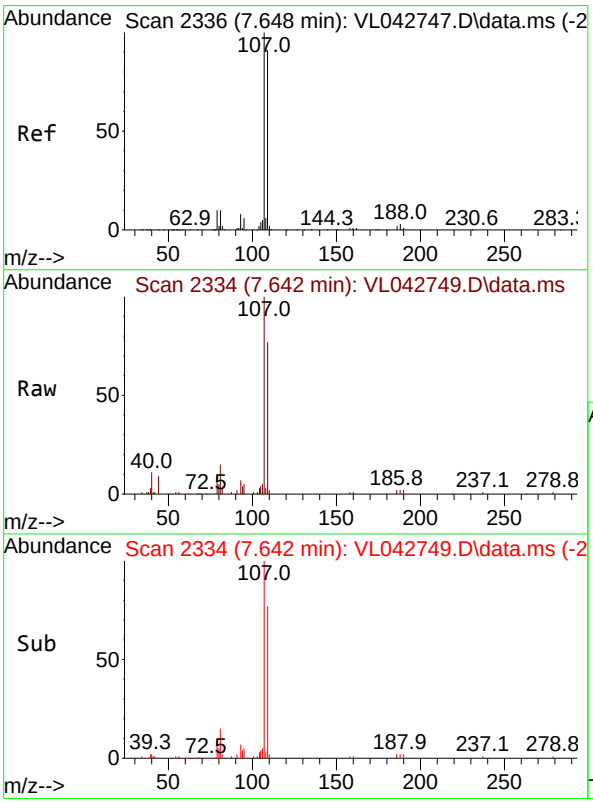
#53
Toluene
Concen: 0.976 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 45645

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.0	72.0

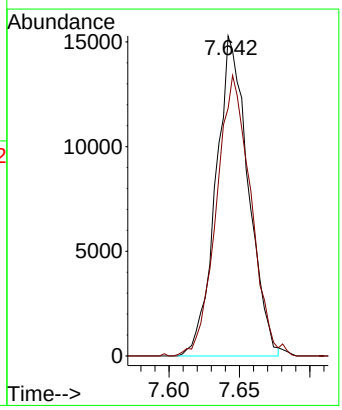


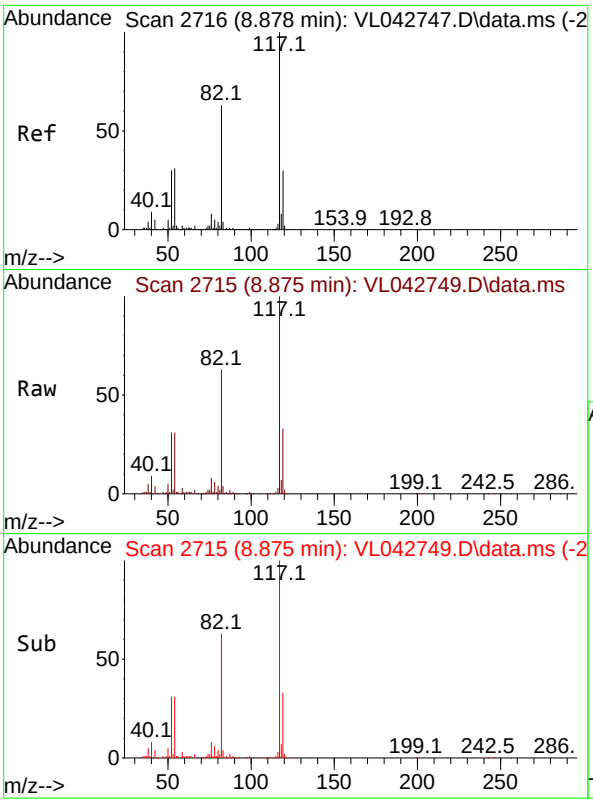


#54
1,2-Dibromoethane
Concen: 1.007 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:107 Resp: 24427

Ion	Ratio	Lower	Upper
107	100		
109	76.9	72.7	109.1



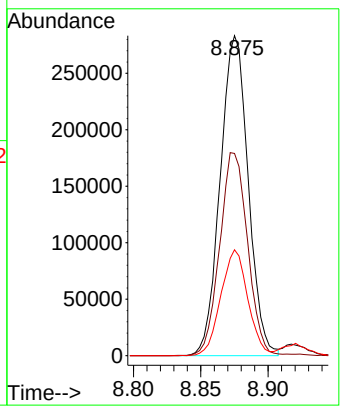


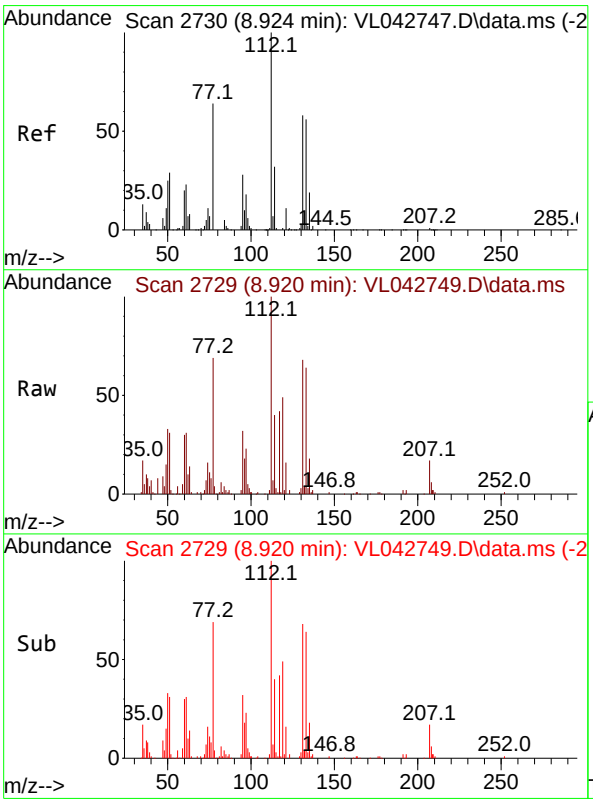
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 410018

Ion	Ratio	Lower	Upper
117	100		
82	63.5	53.3	79.9
119	32.0	25.8	38.6

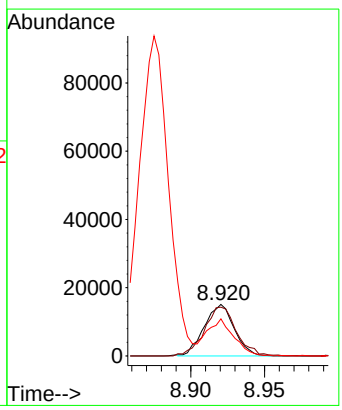


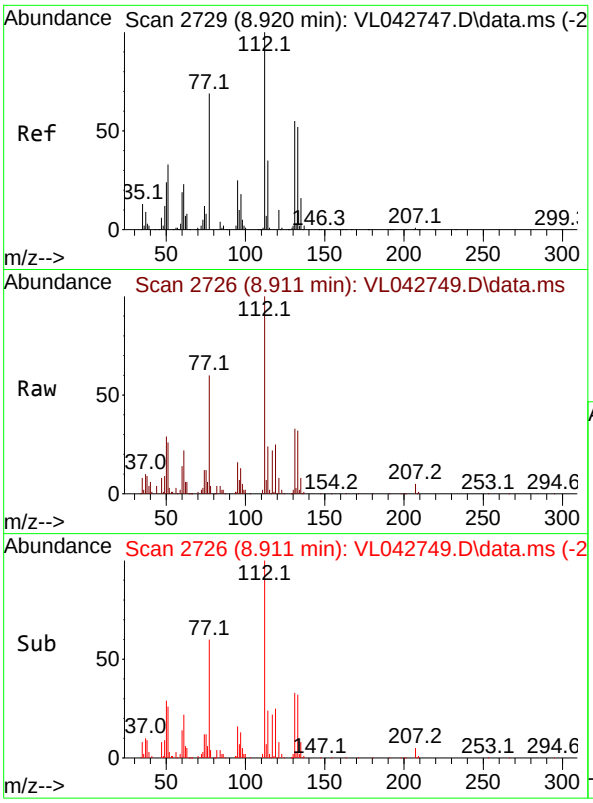


#56
1,1,1,2-Tetrachloroethane
Concen: 1.000 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:131 Resp: 21319

Ion	Ratio	Lower	Upper
131	100		
133	102.0	76.8	115.2
119	58.6	49.7	74.5



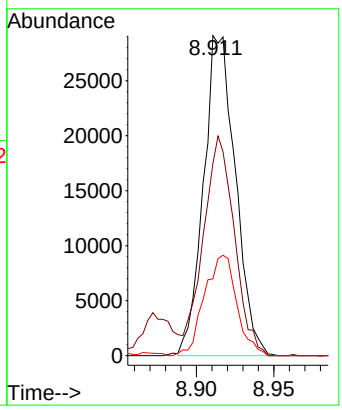


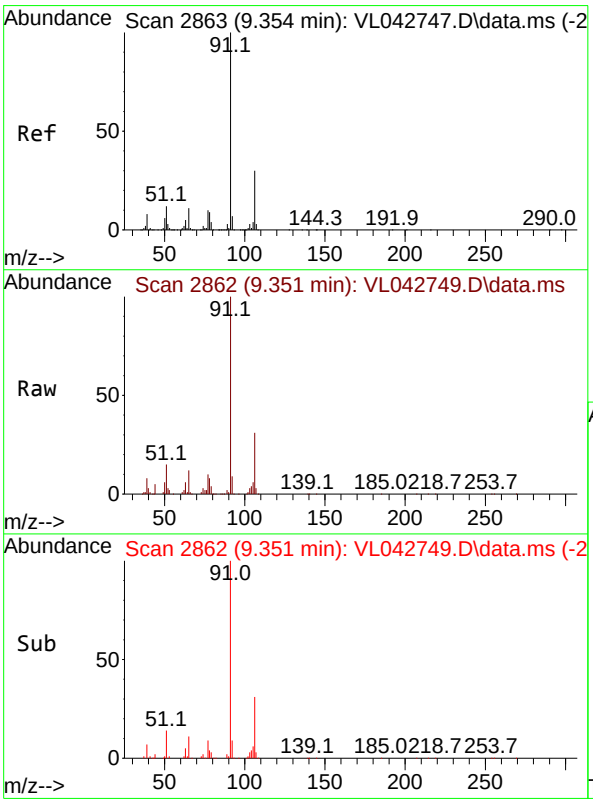
#57
Chlorobenzene
Concen: 1.053 ppbv
RT: 8.911 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 41788

Ion	Ratio	Lower	Upper
112	100		
77	60.1	56.4	84.6
114	24.0	31.2	38.2#

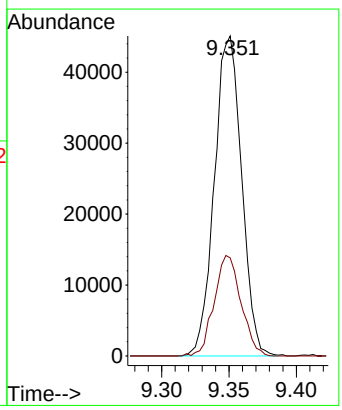


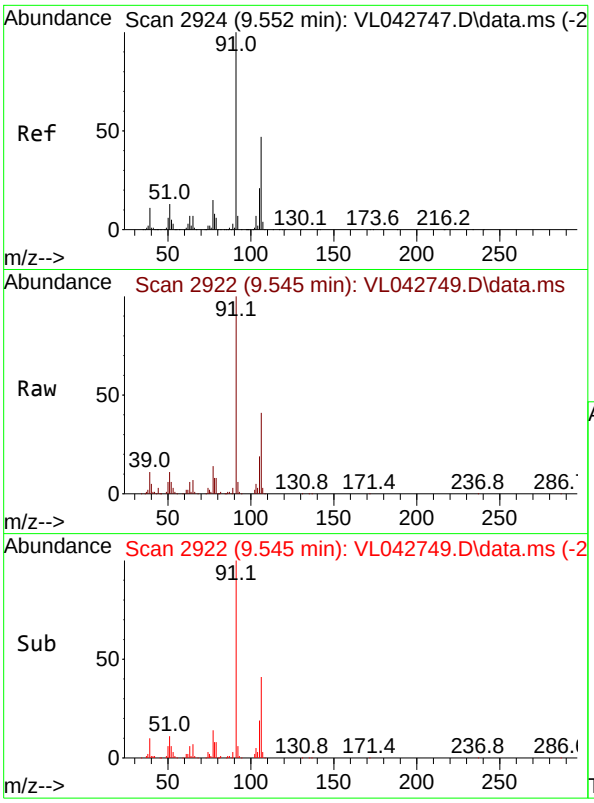


#58
Ethyl Benzene
Concen: 0.980 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 63467

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6



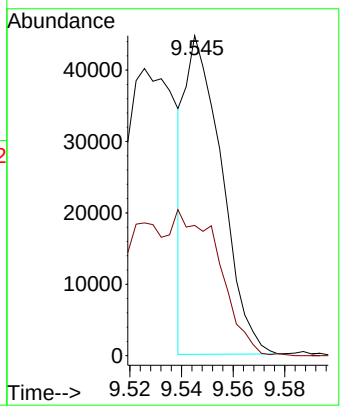


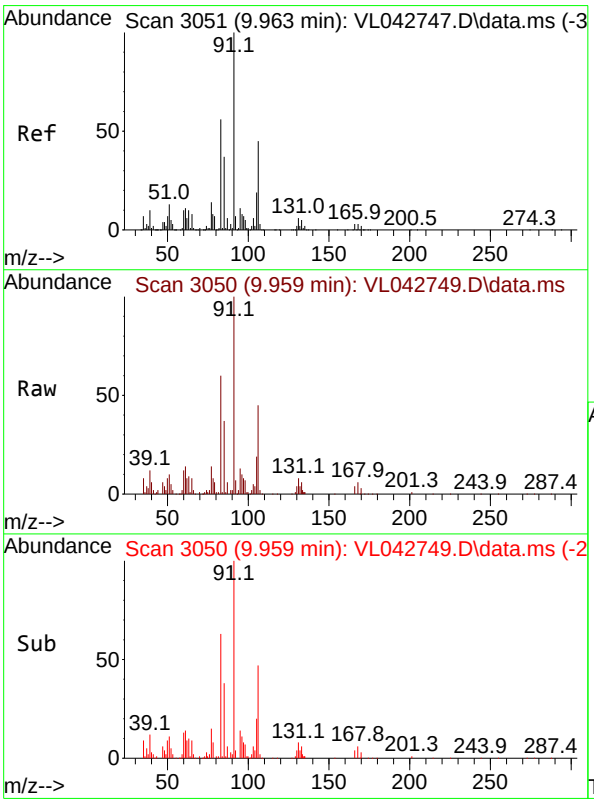
#59
m/p-Xylene
Concen: 0.849 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 43966

Ion	Ratio	Lower	Upper
91	100		
106	111.6	37.4	56.2#

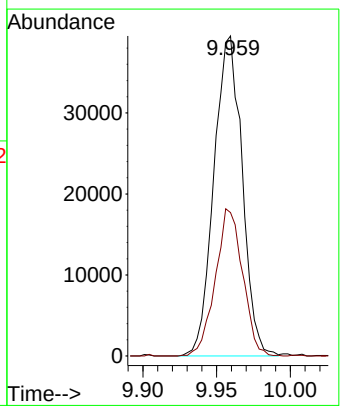


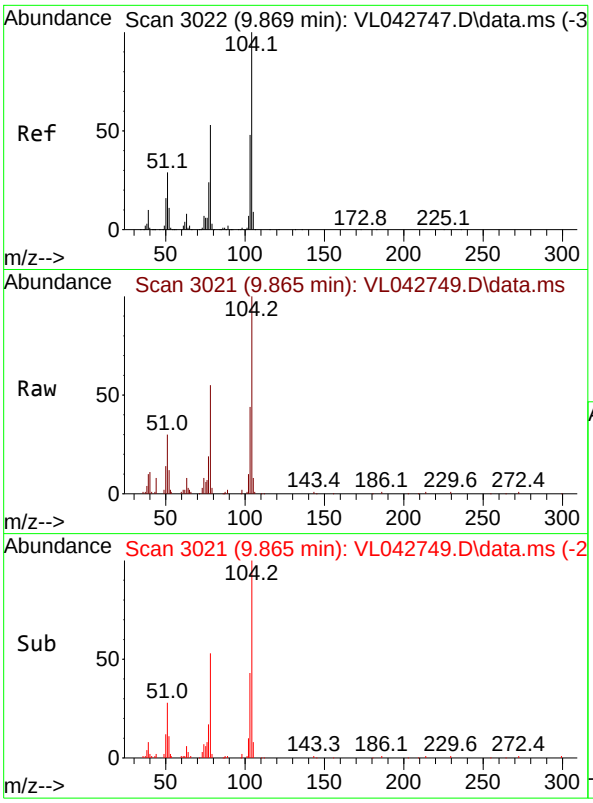


#60
o-Xylene
Concen: 1.015 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 52499

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.0	66.0



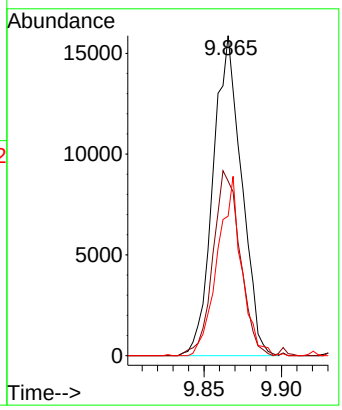


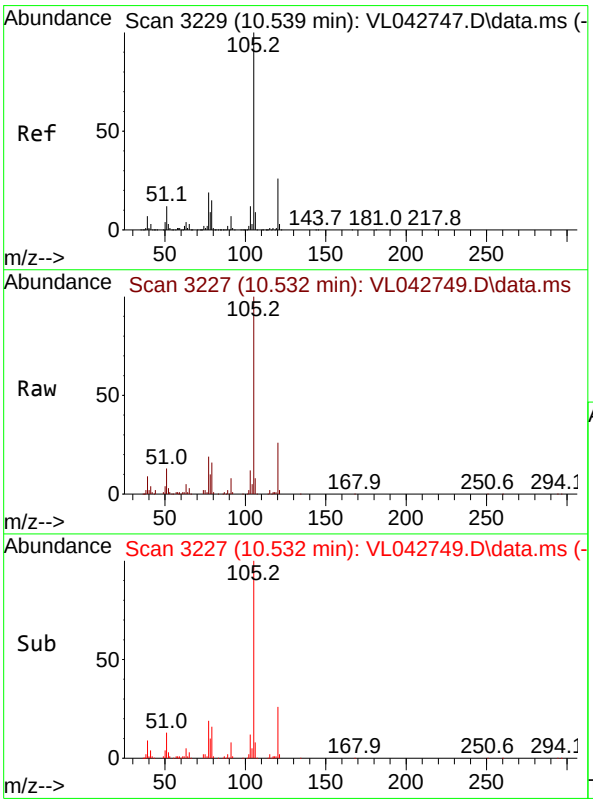
#61
Styrene
Concen: 0.934 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 20313

Ion	Ratio	Lower	Upper
104	100		
78	55.7	41.5	62.3
103	47.2	37.5	56.3

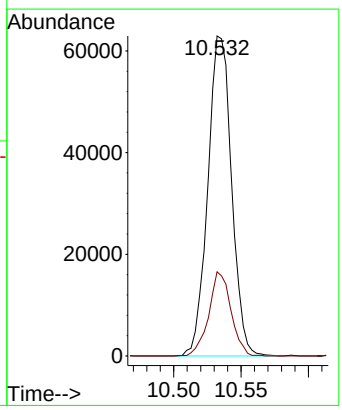


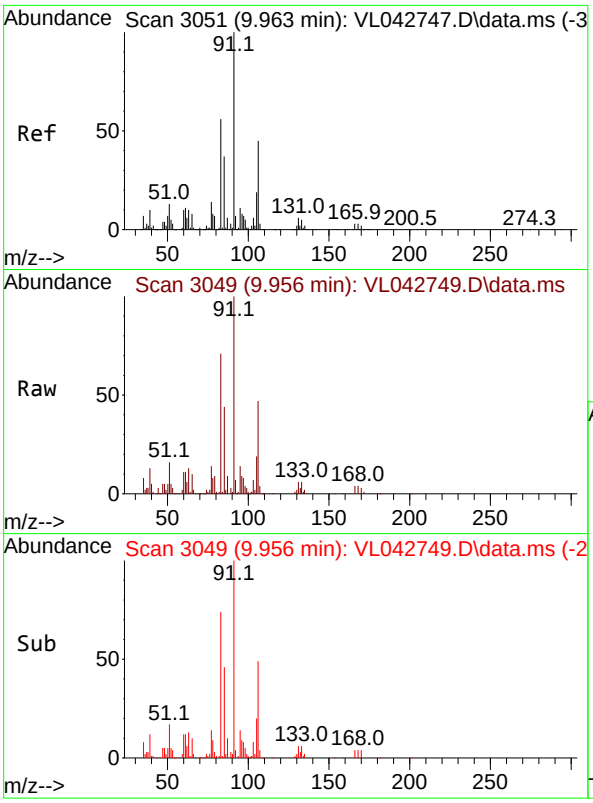


#62
Isopropylbenzene
Concen: 1.013 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 77278

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.5	30.7



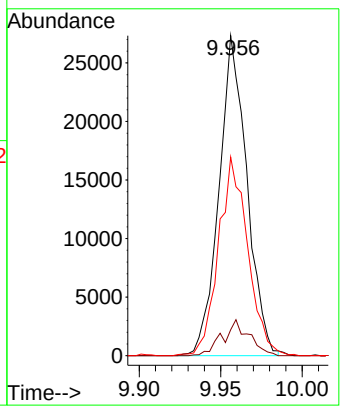


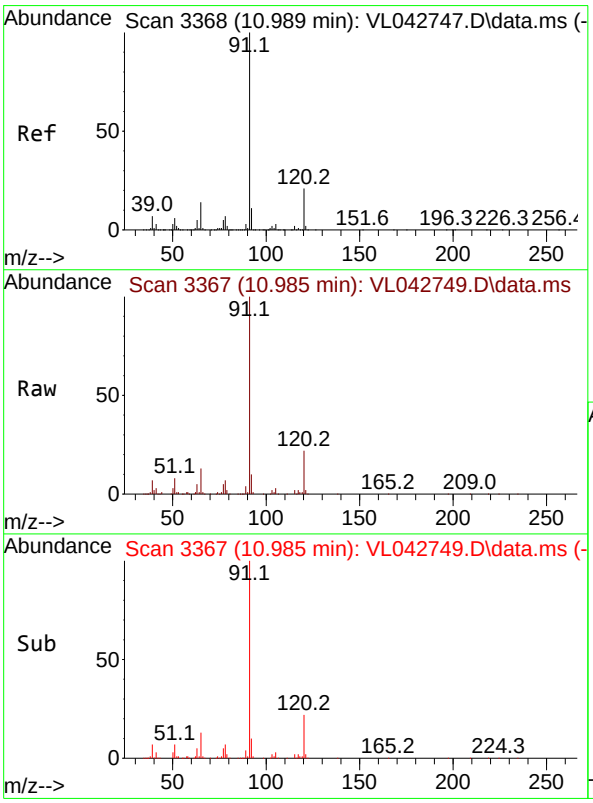
#63
1,1,2,2-Tetrachloroethane
Concen: 0.967 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 32591

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.1	32.6	97.7

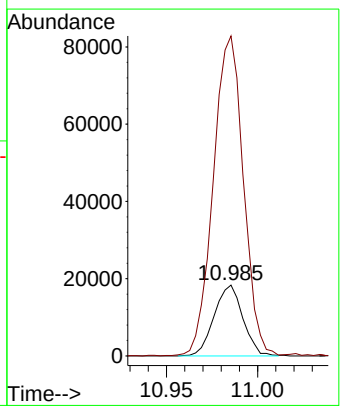


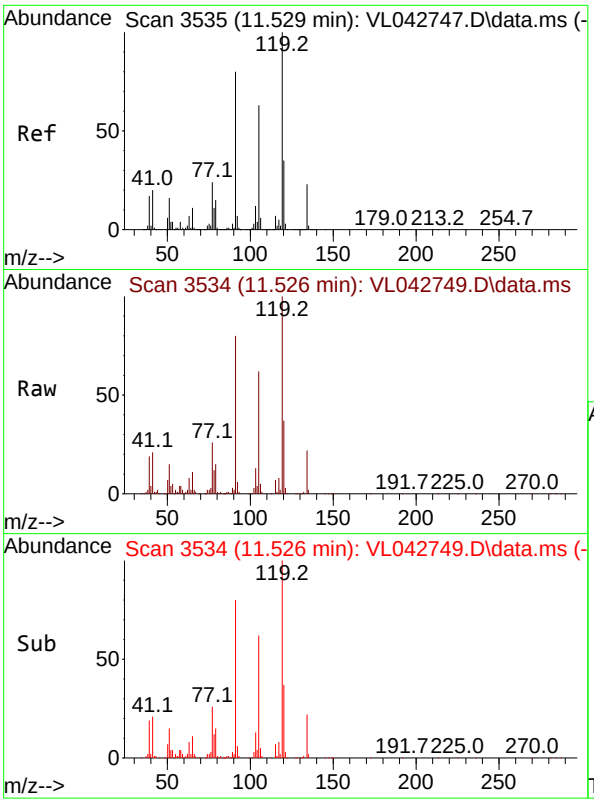


#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:120 Resp: 20073

Ion	Ratio	Lower	Upper
120	100		
91	478.1	372.7	559.1



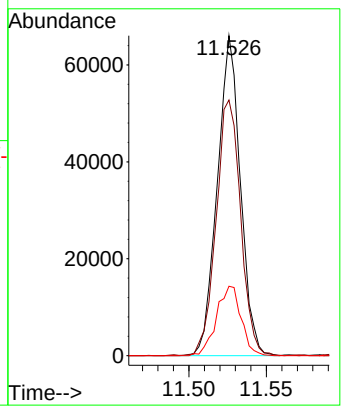


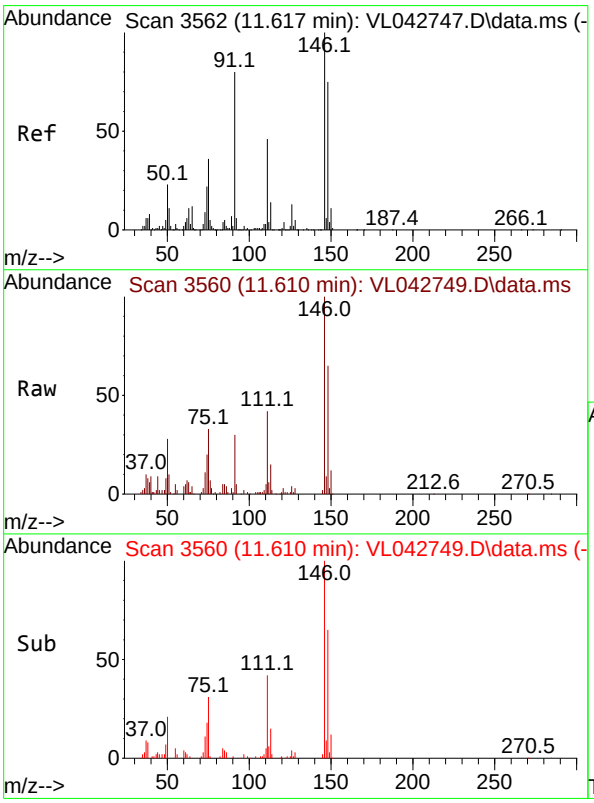
#65
tert-Butylbenzene
Concen: 1.010 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 68428

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9

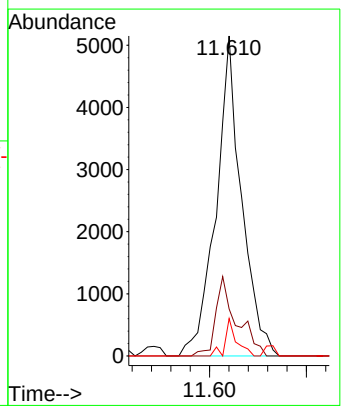


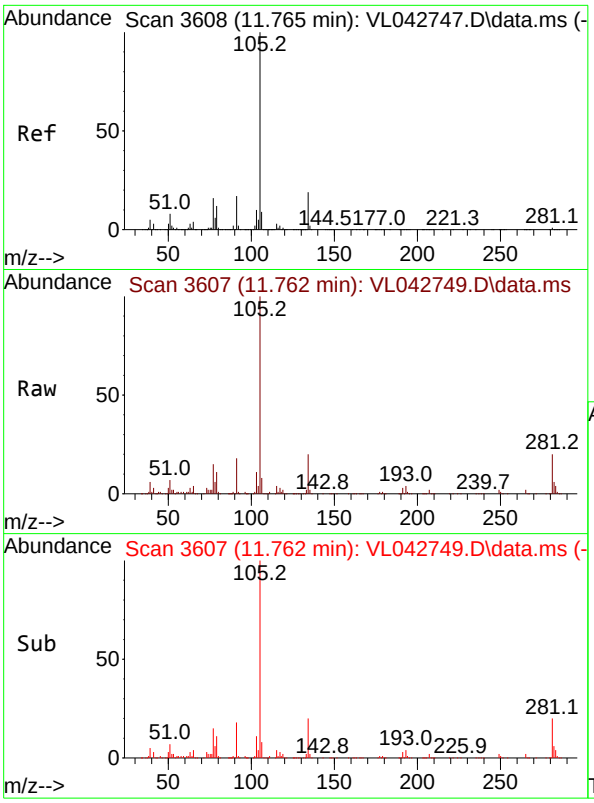


#66
Benzyl Chloride
Concen: 0.845 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 4700

Ion	Ratio	Lower	Upper
91	100		
126	20.3	14.4	21.6
128	6.5	5.2	7.8



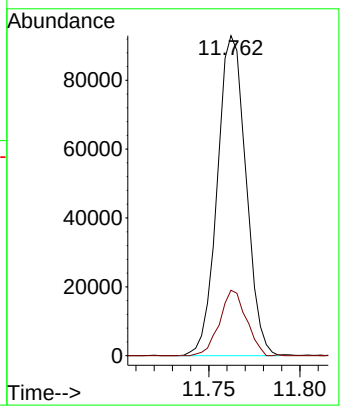


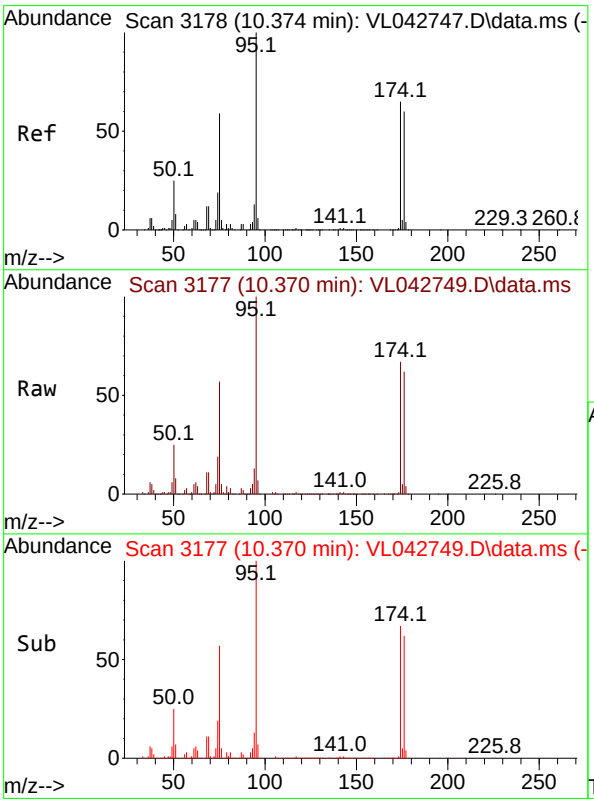
#67
sec-Butylbenzene
Concen: 1.053 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 101458

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3

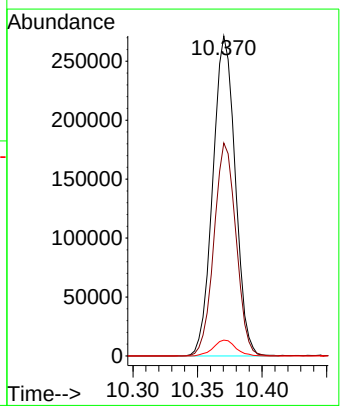


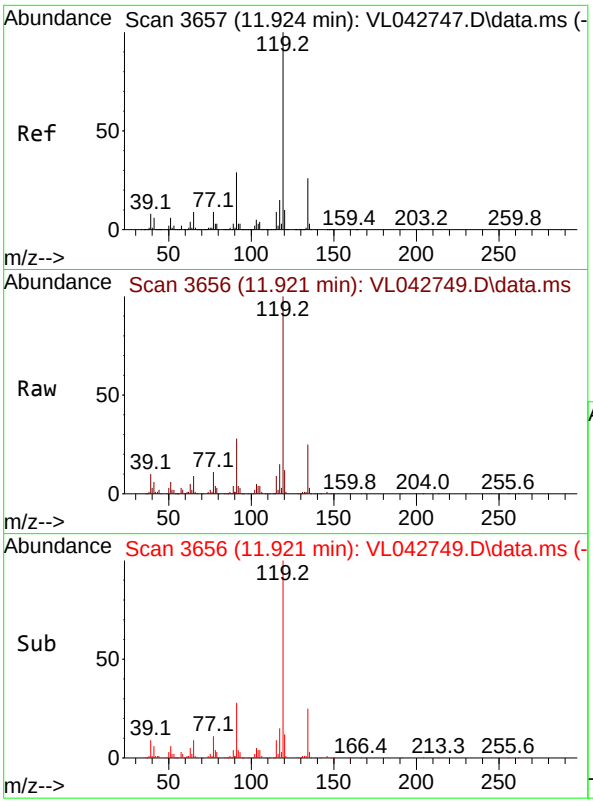


#68
1-Bromo-4-Fluorobenzene
Concen: 10.091 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 95 Resp: 327673

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.0	4.0	6.0



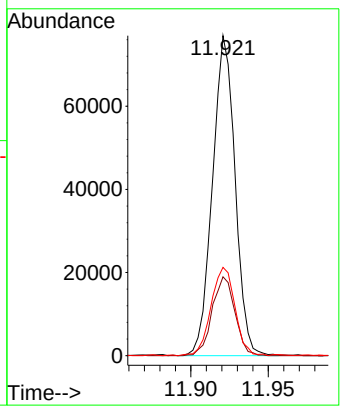


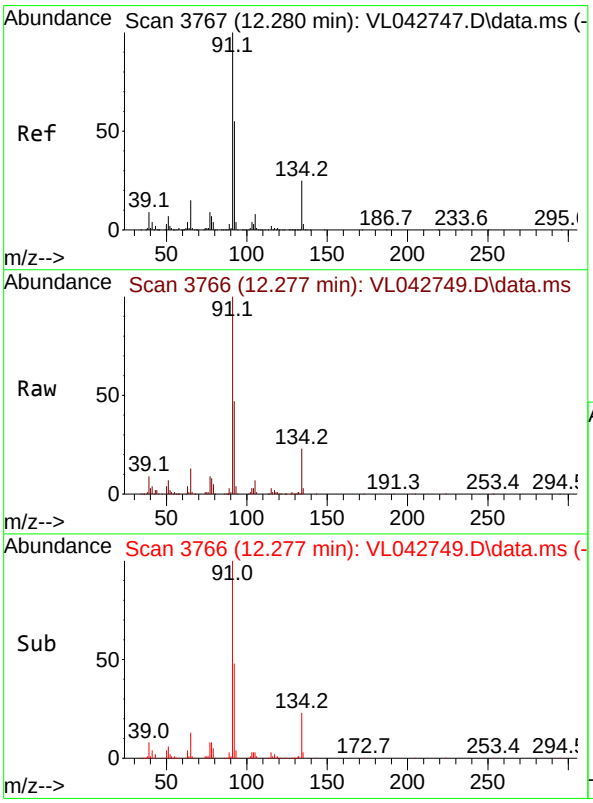
#69
p-Isopropyltoluene
Concen: 0.995 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 78186

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.6	31.0
91	29.8	23.2	34.8

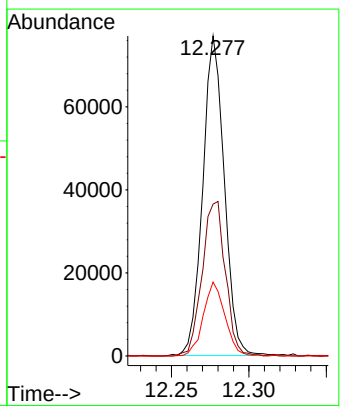


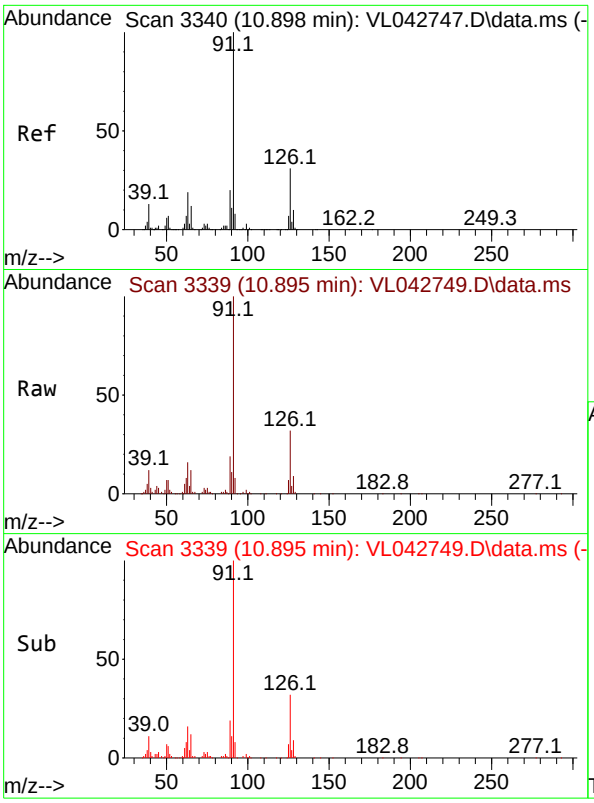


#70
n-Butylbenzene
Concen: 0.978 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 91 Resp: 74257

Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.4	65.2
134	23.4	19.6	29.4



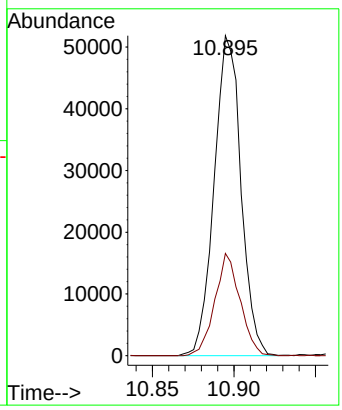


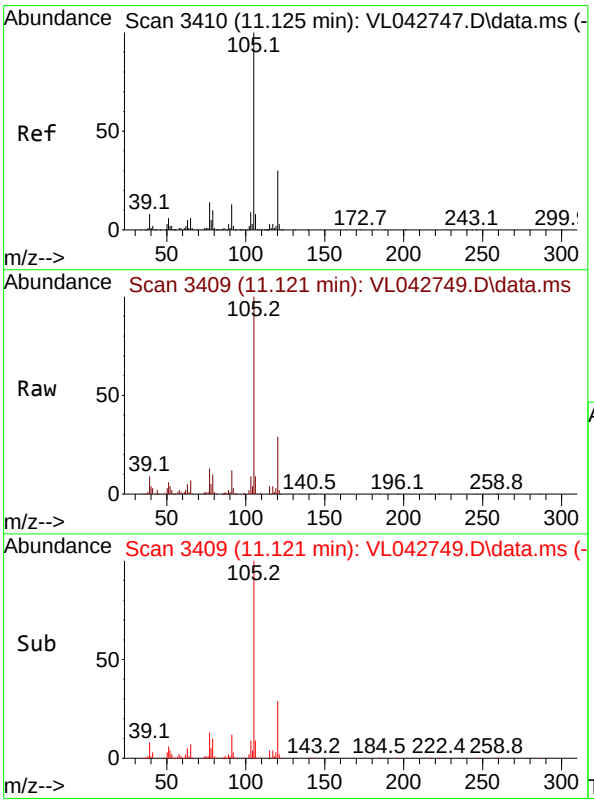
#71
2-Chlorotoluene
Concen: 1.012 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 59193

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.2

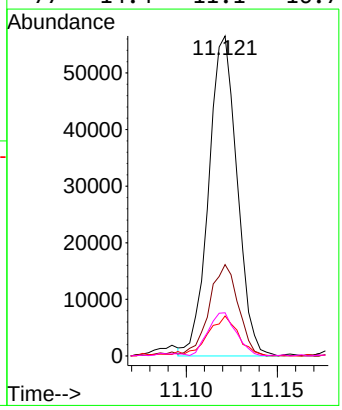


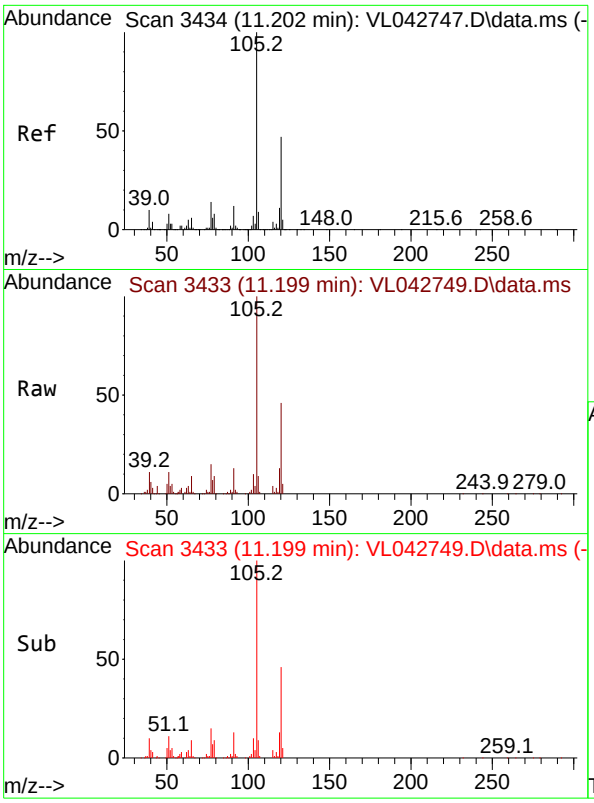


#72
4-Ethyltoluene
Concen: 0.991 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 61199

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	14.2	10.6	15.8
77	14.4	11.1	16.7



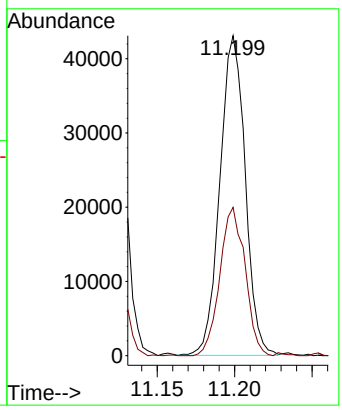


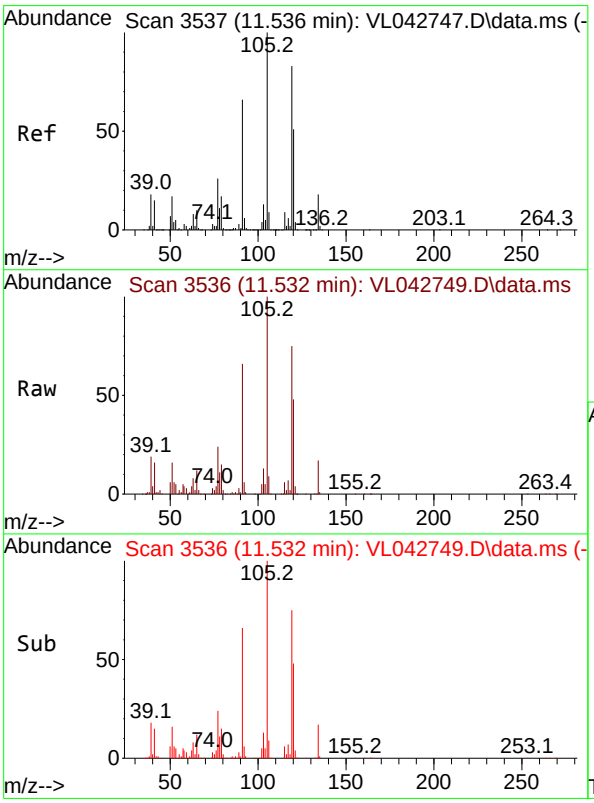
#73
1,3,5-Trimethylbenzene
Concen: 0.962 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 48901

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.8

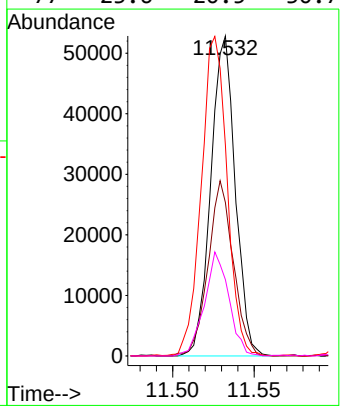


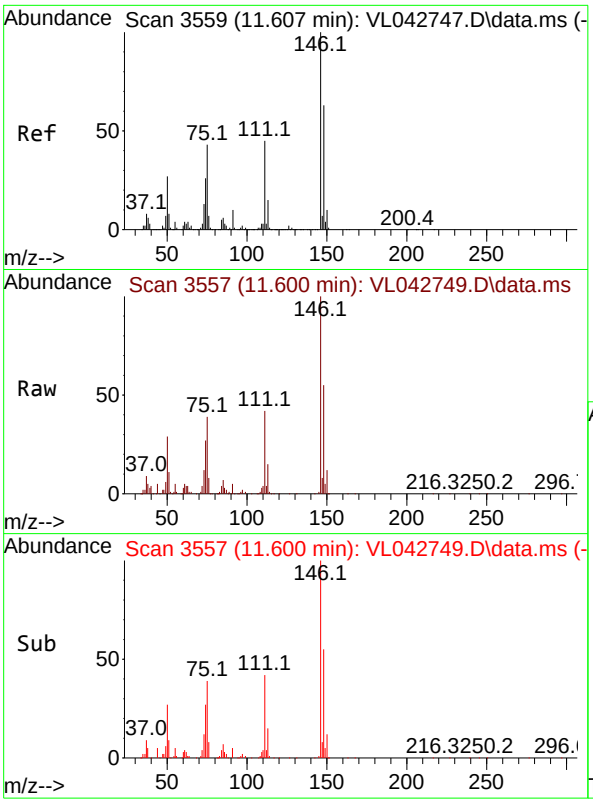


#74
1,2,4-Trimethylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 55153

Ion	Ratio	Lower	Upper
105	100		
120	48.0	40.8	61.2
91	65.8	53.0	79.4
77	23.6	20.5	30.7



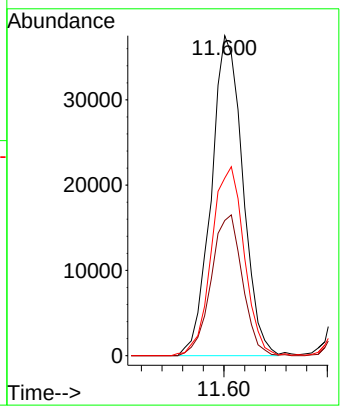


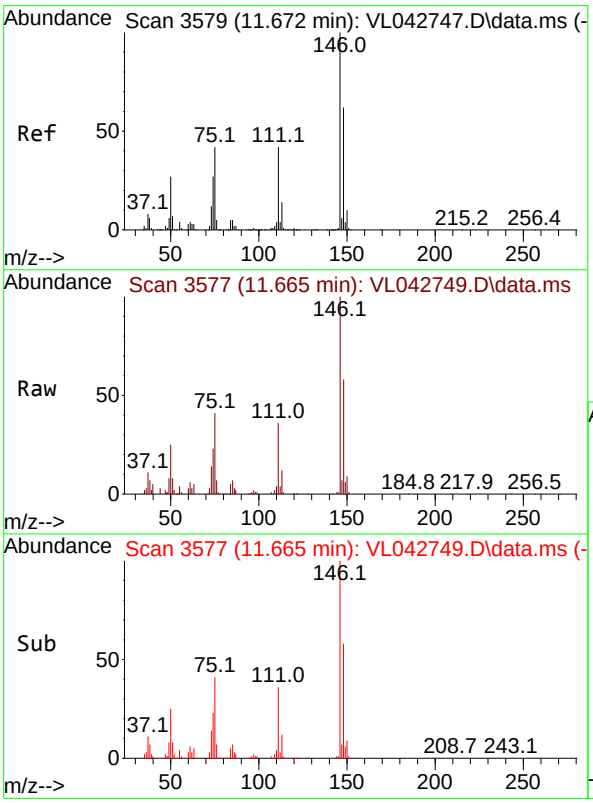
#75
1,3-Dichlorobenzene
Concen: 1.022 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 39753

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.7	68.0
148	61.0	31.9	95.5

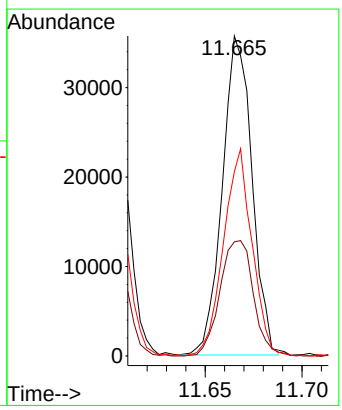


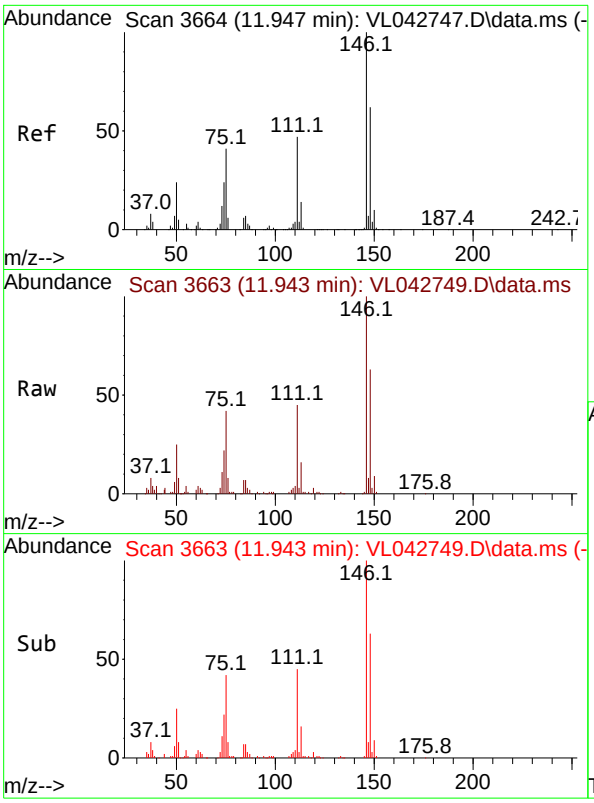


#76
1,4-Dichlorobenzene
Concen: 0.999 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:146 Resp: 38018

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.2
148	63.1	32.1	96.3



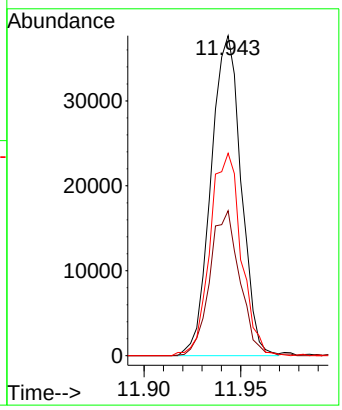


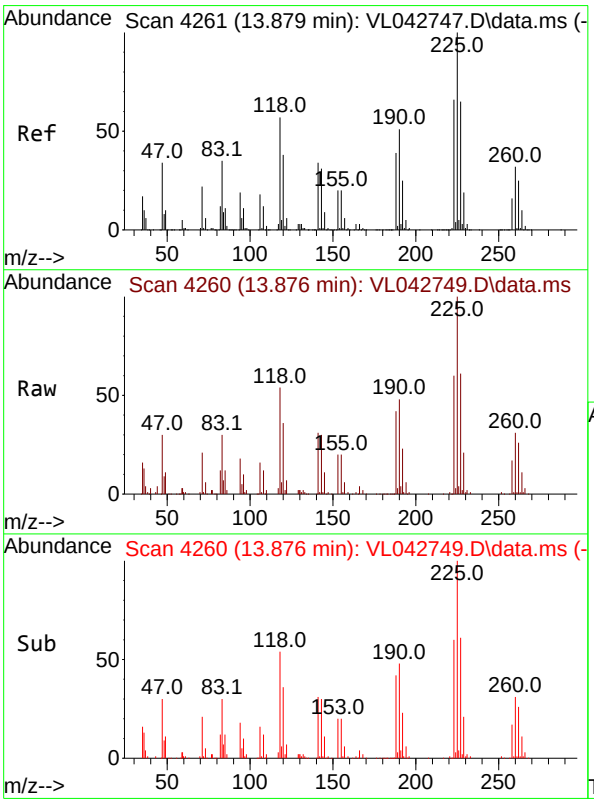
#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 40835

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.7	71.1
148	65.5	32.6	97.7

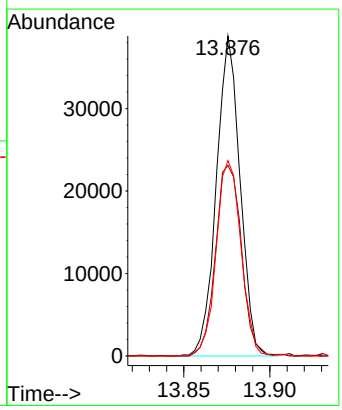


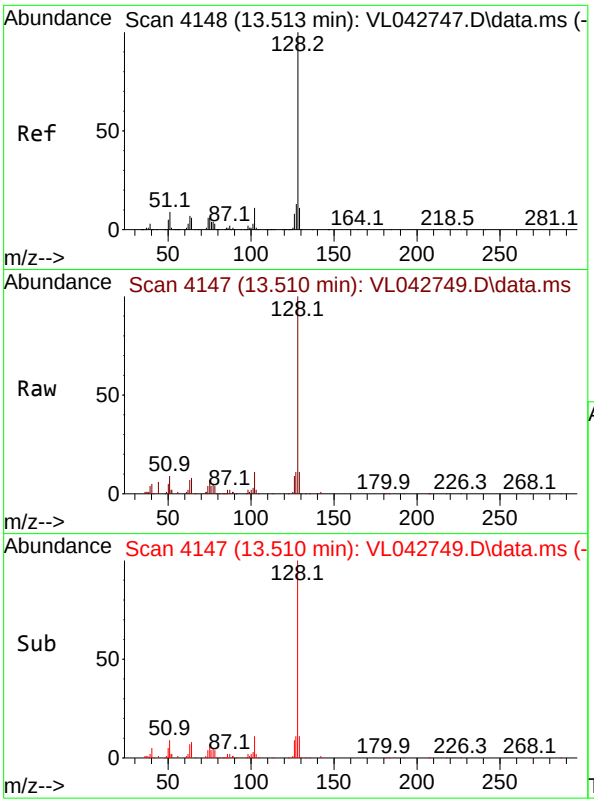


#78
Hexachloro-1,3-Butadiene
Concen: 1.076 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:225 Resp: 37228

Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.7	76.1
227	63.9	50.5	75.7



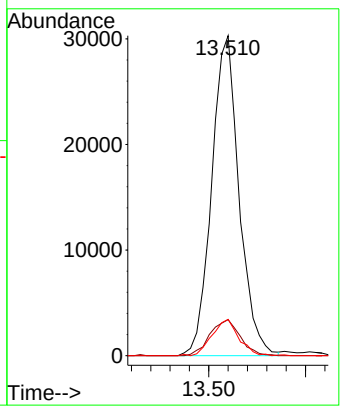


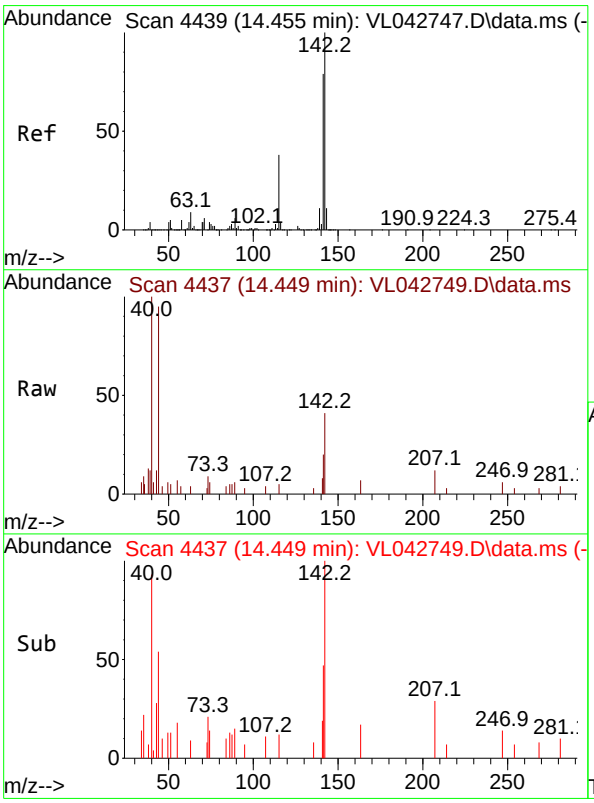
#79
Naphthalene
Concen: 0.907 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 29792

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.5	15.7
129	11.4	8.6	13.0

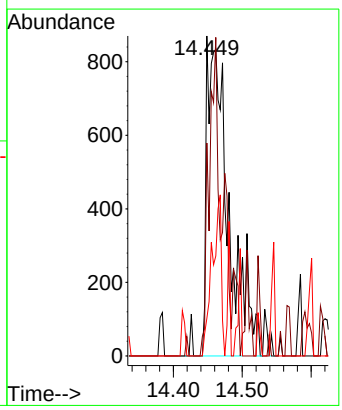


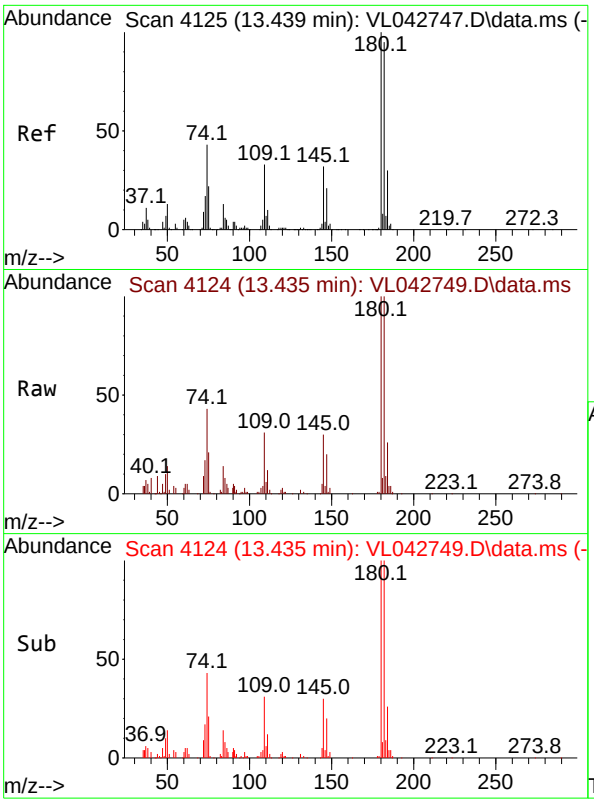


#80
Naphthalene,2-methyl-
Concen: 1.184 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:142 Resp: 1950

Ion	Ratio	Lower	Upper
142	100		
141	63.5	65.8	98.8#
115	25.1	31.2	46.8#



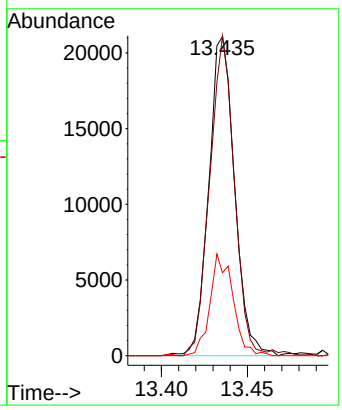


#81
1,2,4-Trichlorobenzene
Concen: 1.053 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 21929

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.2
184	28.7	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	151256	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	446836	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	408626	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	319353	9.869	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11099	0.555	ppbv		98
3) Chlorodifluoromethane	1.476	51	14291	0.549	ppbv		97
4) Chloromethane	1.531	50	4428	0.547	ppbv		96
5) Vinyl Chloride	1.580	62	3902	0.488	ppbv		97
6) Bromomethane	1.667	94	1717	0.556	ppbv	#	38
7) Chloroethane	1.703	64	2102	0.681	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	8971	0.545	ppbv		97
9) Propene	1.483	41	4695	0.496	ppbv	#	77
10) Heptane	4.978	43	9190	0.361	ppbv	#	66
11) Trichlorofluoromethane	1.878	101	11021	0.535	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.137	101	8430	0.538	ppbv		98
13) Ethanol	1.719	45	781	0.087	ppbv	#	1
14) Bromoethene	1.781	108	2971	0.536	ppbv	#	92
15) Acetone	1.836	43	14012	0.671	ppbv	#	88
16) 1,3-Butadiene	1.609	39	5488	0.616	ppbv		100
17) tert-Butyl alcohol	2.040	59	10333	0.549	ppbv	#	77
18) 1,1-Dichloroethene	2.033	96	4051	0.572	ppbv		77
19) Isopropyl Alcohol	1.888	45	6478	0.584	ppbv	#	81
20) Methylene Chloride	2.059	84	4500	0.684	ppbv		82
21) Allyl Chloride	2.098	41	6829	0.531	ppbv	#	80
22) trans-1,2-Dichloroethene	2.341	96	4186	0.551	ppbv		88
23) Vinyl Acetate	2.460	43	12423	0.491	ppbv	#	76
24) 1,1-Dichloroethane	2.405	63	7962	0.509	ppbv	#	91
25) Ethyl Acetate	2.836	43	23632	0.511	ppbv		97
26) Hexane	2.823	57	10019	0.494	ppbv		90
27) Carbon Disulfide	2.150	76	8670	0.499	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	4937	0.515	ppbv	#	79
29) Chloroform	2.849	83	17100	0.546	ppbv	#	82
30) Cyclohexane	3.855	84	8596	0.500	ppbv		89
31) cis-1,2-Dichloroethene	2.723	61	11032	0.529	ppbv		99
32) 1,1,1-Trichloroethane	3.367	97	16132	0.494	ppbv		97
34) 2-Butanone	2.557	43	16299	0.515	ppbv		94
35) Carbon Tetrachloride	3.761	117	15207	0.458	ppbv		90
36) Benzene	3.651	78	21800	0.515	ppbv		96
37) 1,2-Dichloroethane	3.215	62	13299	0.521	ppbv	#	95
38) Trichloroethene	4.548	130	9150	0.448	ppbv		89
39) 1,2-Dichloropropane	4.312	63	8291	0.530	ppbv	#	90
40) 1,4-Dioxane	4.593	88	1378	0.187	ppbv	#	21
41) Tetrahydrofuran	3.056	42	4590	0.289	ppbv	#	42
42) Bromodichloromethane	4.487	83	10591	0.318	ppbv	#	95
43) Methyl Methacrylate	4.881	69	5938	0.394	ppbv	#	79
44) 2,2,4-Trimethylpentane	4.639	57	33853	0.490	ppbv		93
45) t-1,3-Dichloropropene	6.412	75	5781	0.342	ppbv		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

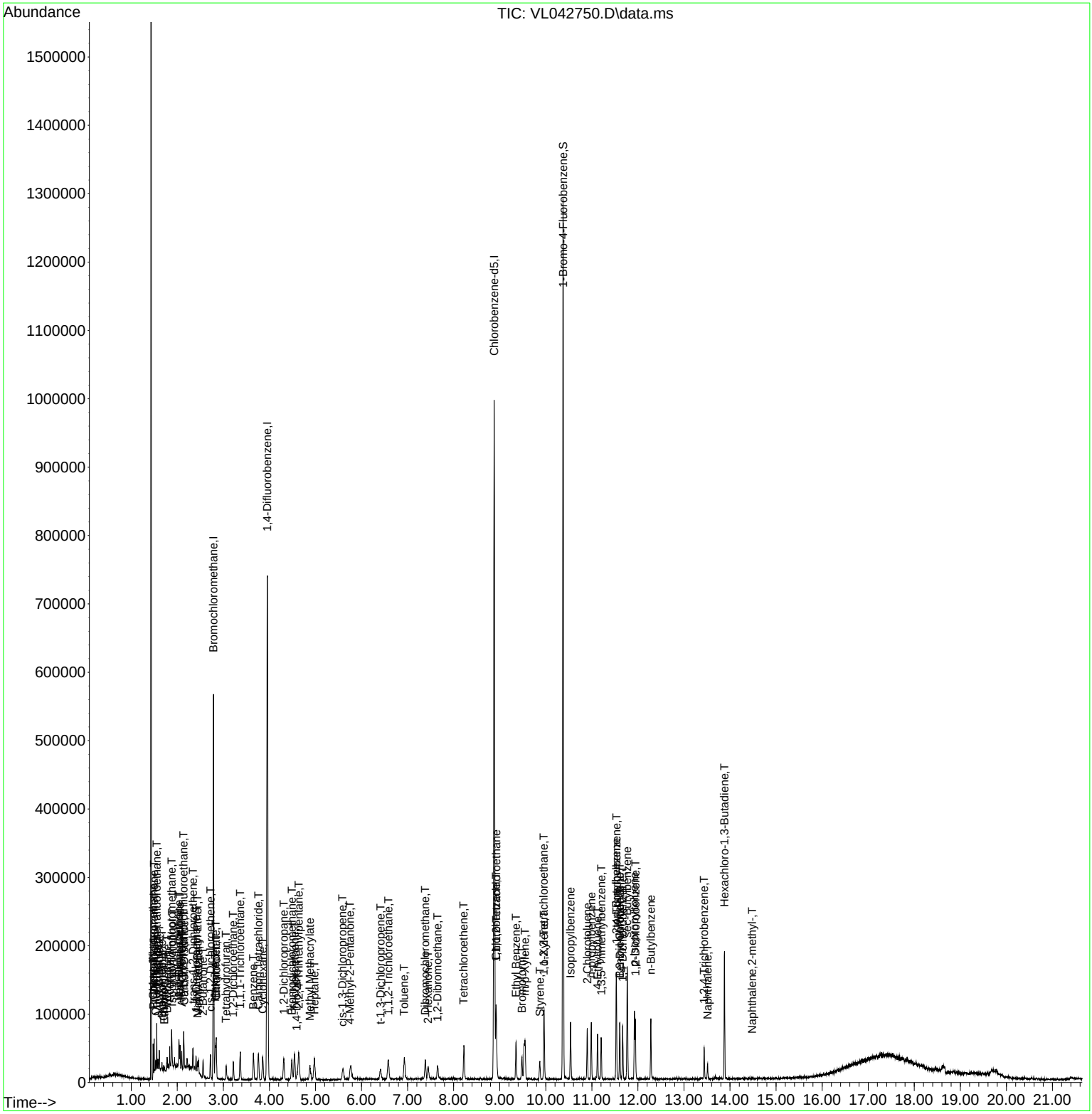
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	3465	0.162	ppbv		90
47) 1,1,2-Trichloroethane	6.584	97	4878	0.293	ppbv	#	88
48) Dibromochloromethane	7.383	129	8515	0.322	ppbv	#	49
49) Bromoform	9.481	173	10801	0.468	ppbv		97
50) 4-Methyl-2-Pentanone	5.752	43	5736	0.142	ppbv	#	40
51) 2-Hexanone	7.442	43	6572	0.213	ppbv	#	30
52) Tetrachloroethene	8.218	164	8359	0.475	ppbv	#	81
53) Toluene	6.924	91	21324	0.469	ppbv		95
54) 1,2-Dibromoethane	7.649	107	6536	0.277	ppbv		82
56) 1,1,1,2-Tetrachloroethane	8.924	131	11191	0.527	ppbv	#	1
57) Chlorobenzene	8.921	112	20828	0.527	ppbv	#	84
58) Ethyl Benzene	9.354	91	29134	0.451	ppbv		96
59) m/p-Xylene	9.549	91	17145	0.332	ppbv	#	1
60) o-Xylene	9.963	91	23603	0.458	ppbv		100
61) Styrene	9.872	104	9195	0.424	ppbv		97
62) Isopropylbenzene	10.539	105	35189	0.463	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.956	83	15544	0.463	ppbv		99
64) n-propylbenzene	10.989	120	8924	0.450	ppbv		99
65) tert-Butylbenzene	11.529	119	30560	0.453	ppbv		95
66) Benzyl Chloride	11.607	91	845	0.152	ppbv	#	28
67) sec-Butylbenzene	11.766	105	44169	0.460	ppbv		100
69) p-Isopropyltoluene	11.924	119	33104	0.423	ppbv		99
70) n-Butylbenzene	12.280	91	29048	0.384	ppbv		99
71) 2-Chlorotoluene	10.902	91	27184	0.466	ppbv		97
72) 4-Ethyltoluene	11.125	105	26395	0.429	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.206	105	22392	0.442	ppbv	#	85
74) 1,2,4-Trimethylbenzene	11.536	105	22772	0.412	ppbv		96
75) 1,3-Dichlorobenzene	11.607	146	18680	0.482	ppbv		96
76) 1,4-Dichlorobenzene	11.669	146	17616	0.465	ppbv		97
77) 1,2-Dichlorobenzene	11.947	146	18799	0.494	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	18330	0.532	ppbv		99
79) Naphthalene	13.514	128	9916	0.592	ppbv		97
80) Naphthalene,2-methyl-	14.481	142	731	1.148	ppbv	#	61
81) 1,2,4-Trichlorobenzene	13.436	180	7453	0.645	ppbv		95

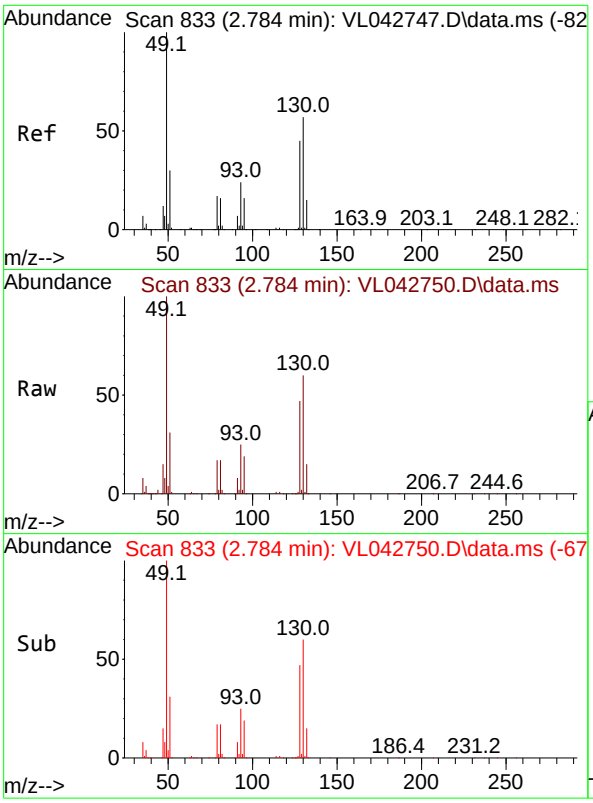
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042750.D
Acq On : 23 Jul 2025 10:42
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



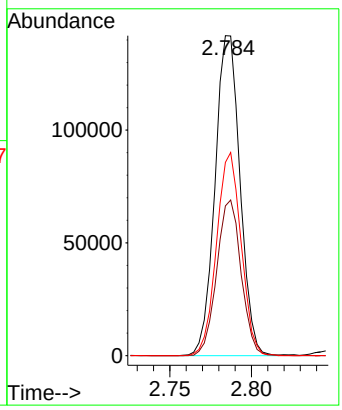


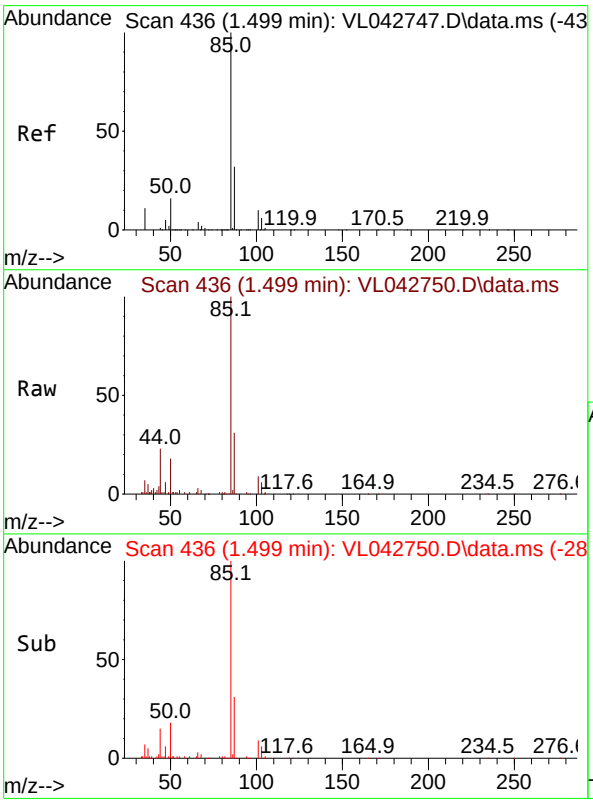
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 151256

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	62.2	30.3	90.8

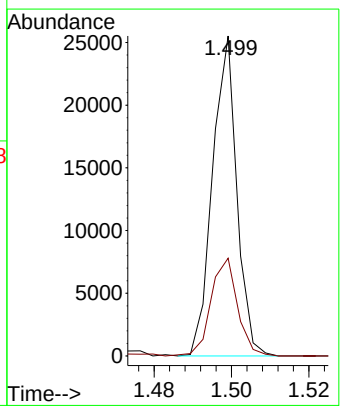


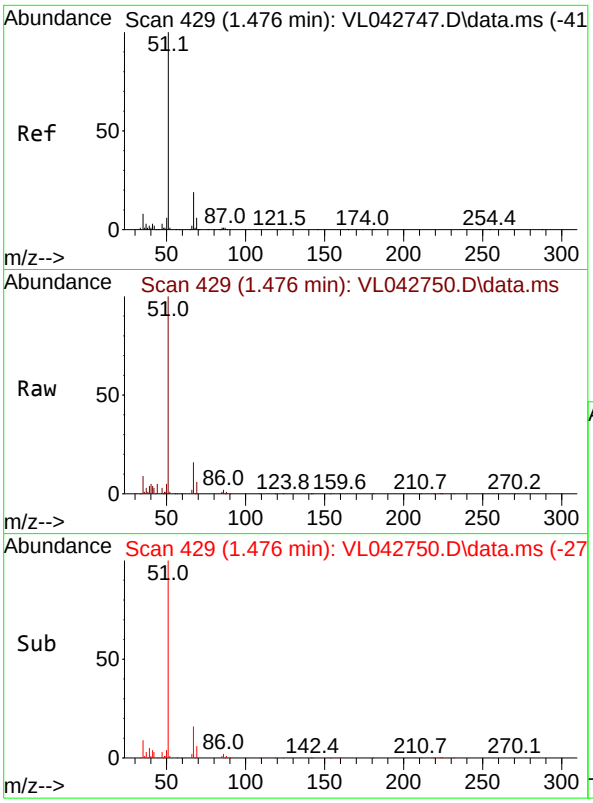


#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 11099

Ion	Ratio	Lower	Upper
85	100		
87	30.6	25.4	38.2



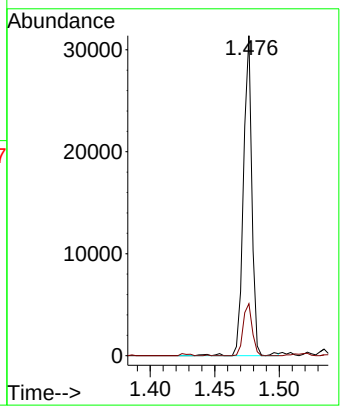


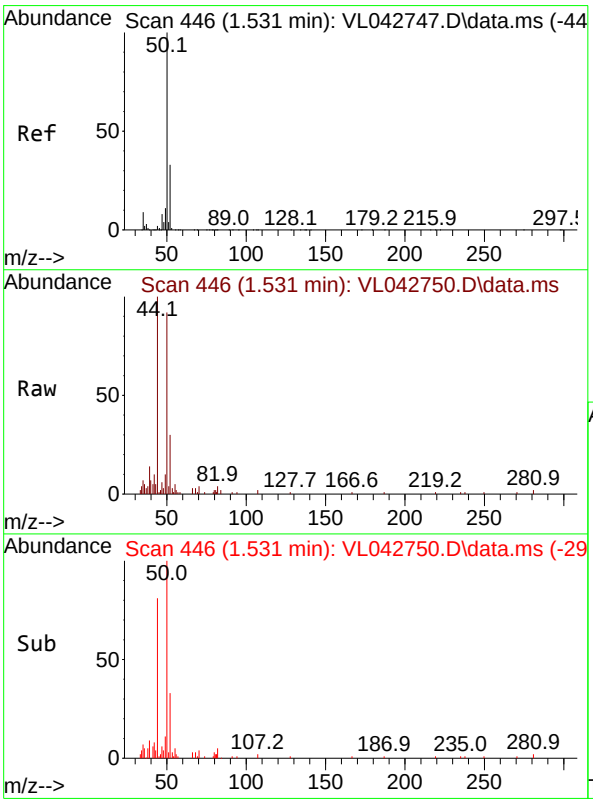
#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 14291

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.0	22.6

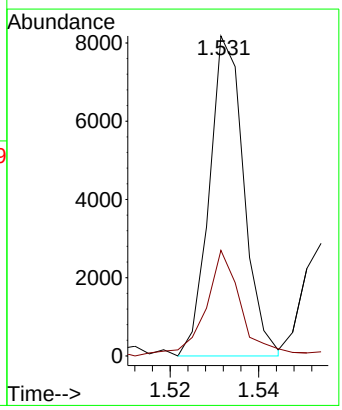


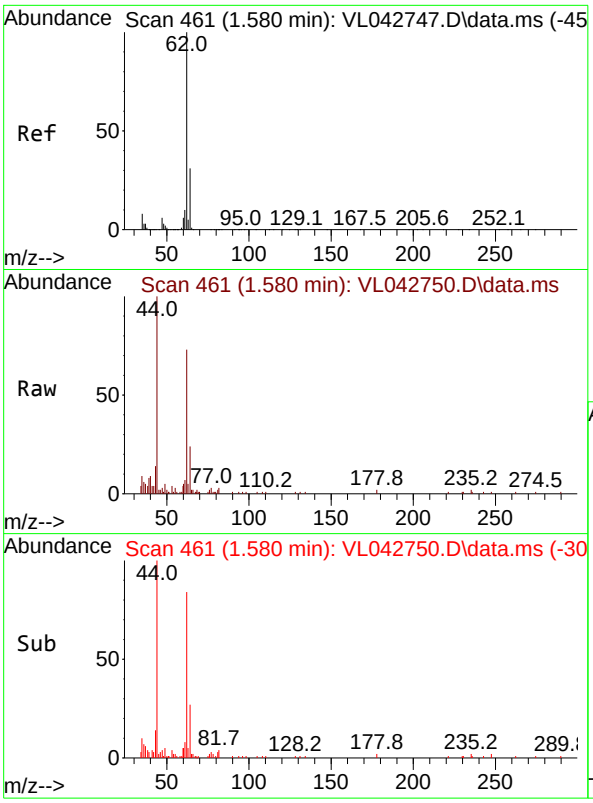


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 50 Resp: 4428

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0



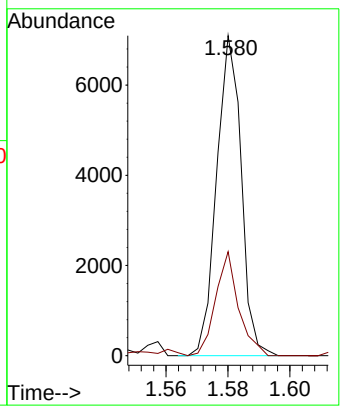


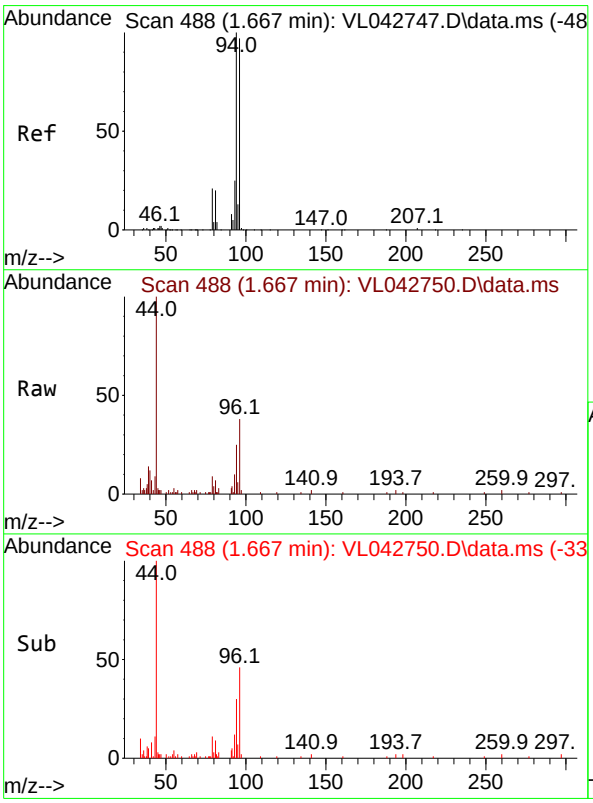
#5
Vinyl Chloride
Concen: 0.488 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 3902

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7

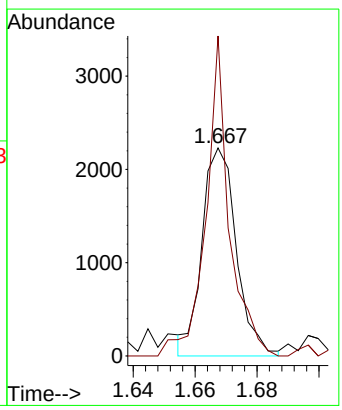


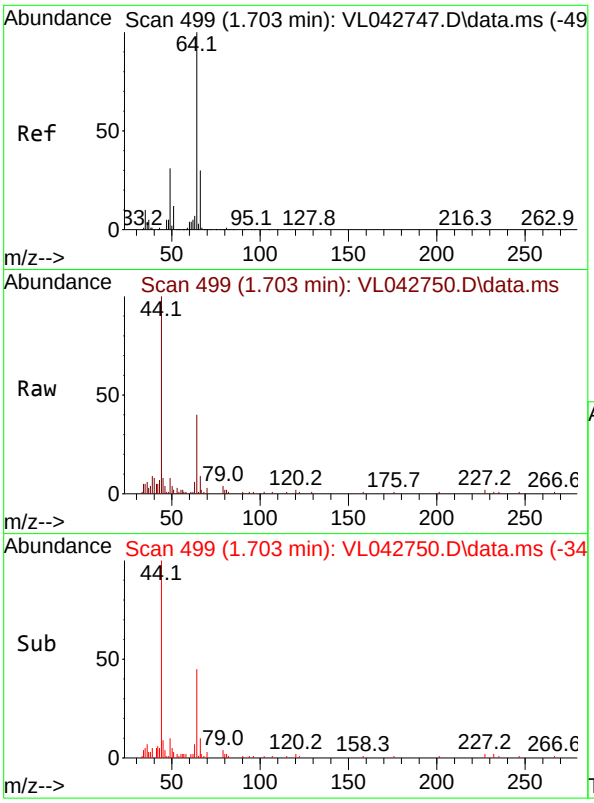


#6
Bromomethane
Concen: 0.556 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 94 Resp: 1717

Ion	Ratio	Lower	Upper
94	100		
96	157.5	77.6	116.4#



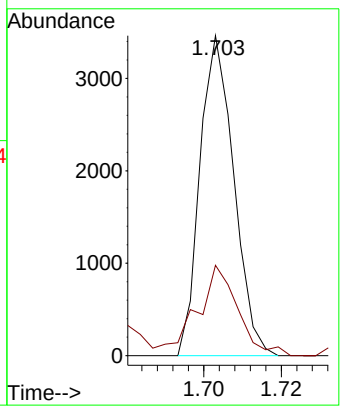


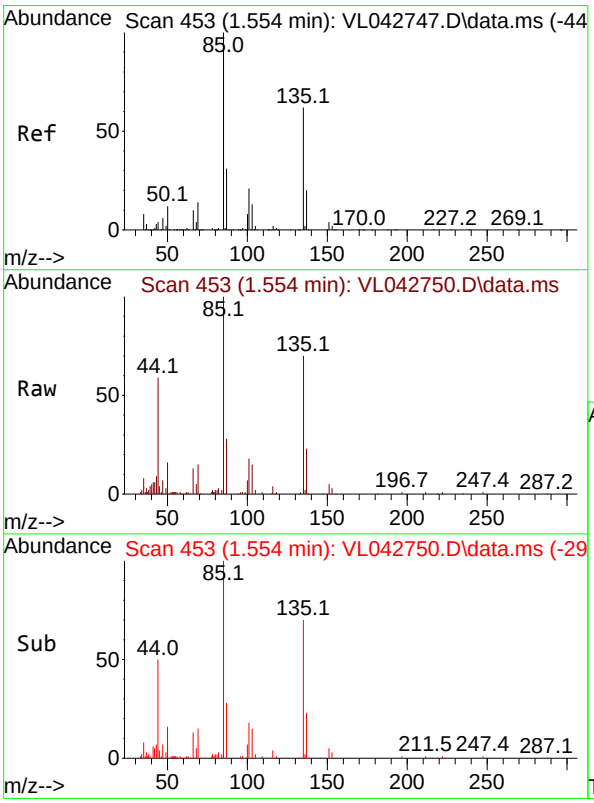
#7
Chloroethane
Concen: 0.681 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 2102

Ion	Ratio	Lower	Upper
64	100		
66	28.3	24.1	36.1

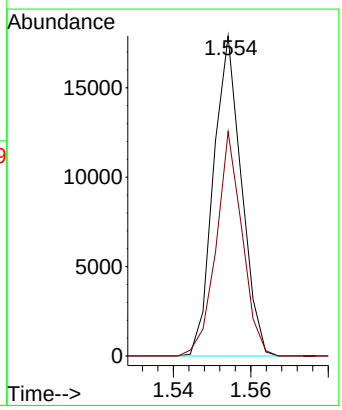


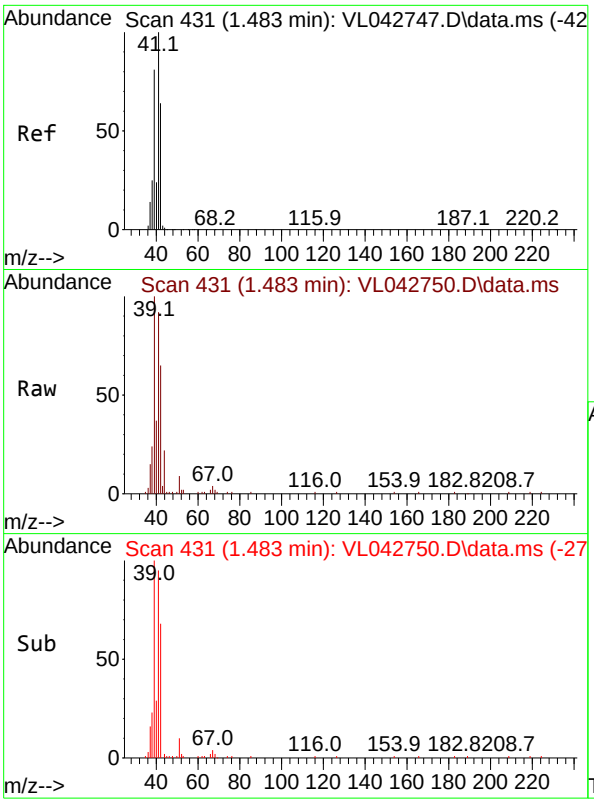


#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 8971

Ion	Ratio	Lower	Upper
85	100		
135	65.3	50.6	76.0



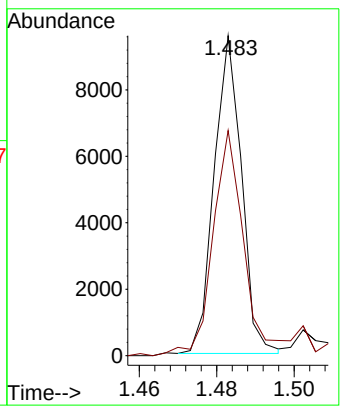


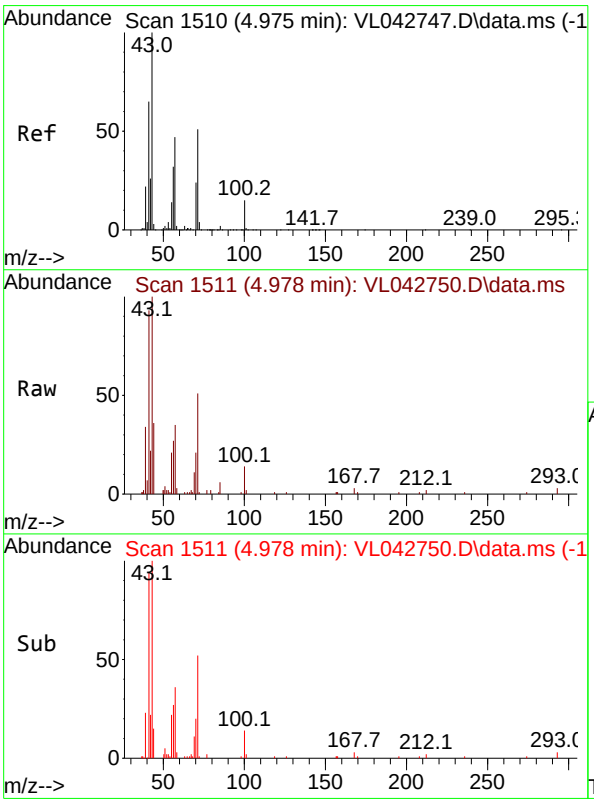
#9
Propene
Concen: 0.496 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 4695

Ion	Ratio	Lower	Upper
41	100		
42	84.9	53.2	79.8#

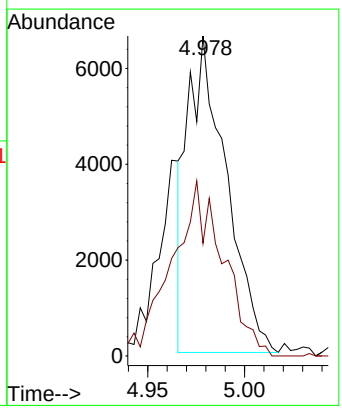


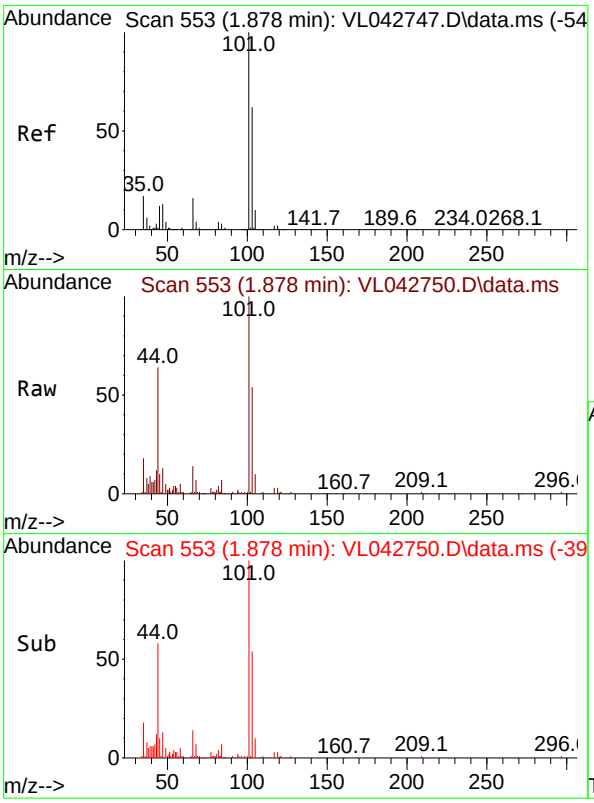


#10
Heptane
Concen: 0.361 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 9190

Ion	Ratio	Lower	Upper
43	100		
57	73.4	39.9	59.9#



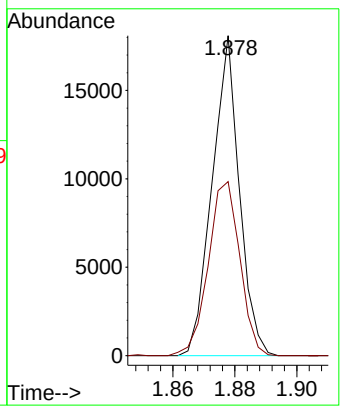


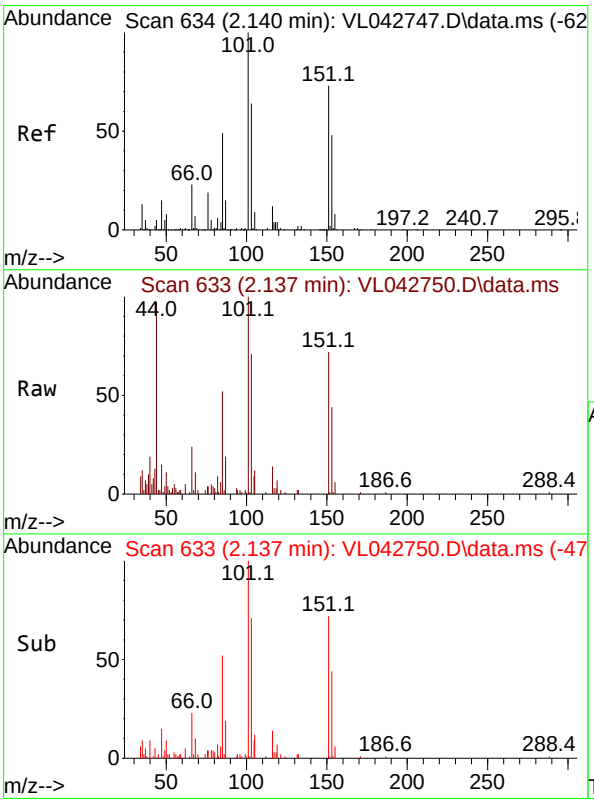
#11
Trichlorofluoromethane
Concen: 0.535 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 11021

Ion	Ratio	Lower	Upper
101	100		
103	54.4	49.6	74.4

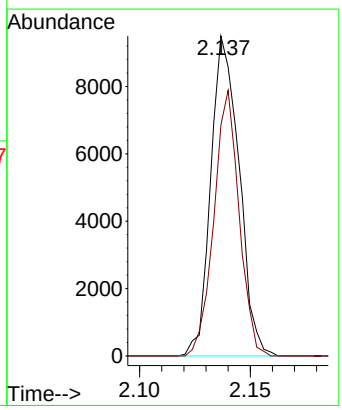


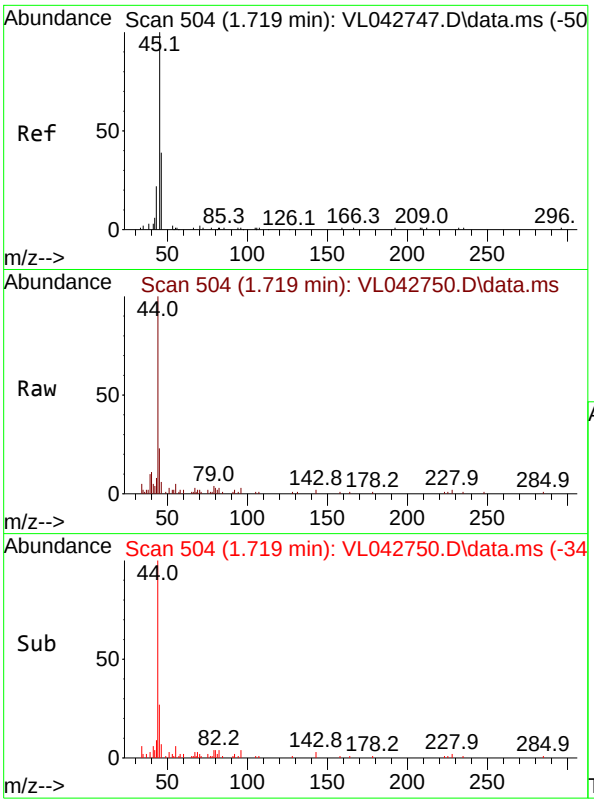


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.538 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 8430

Ion	Ratio	Lower	Upper
101	100		
151	74.0	60.5	90.7



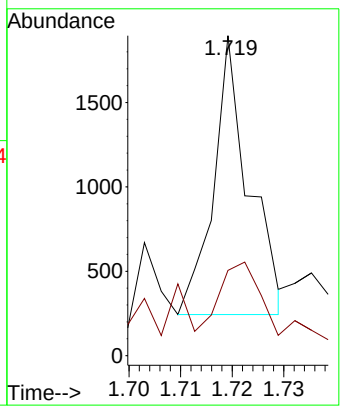


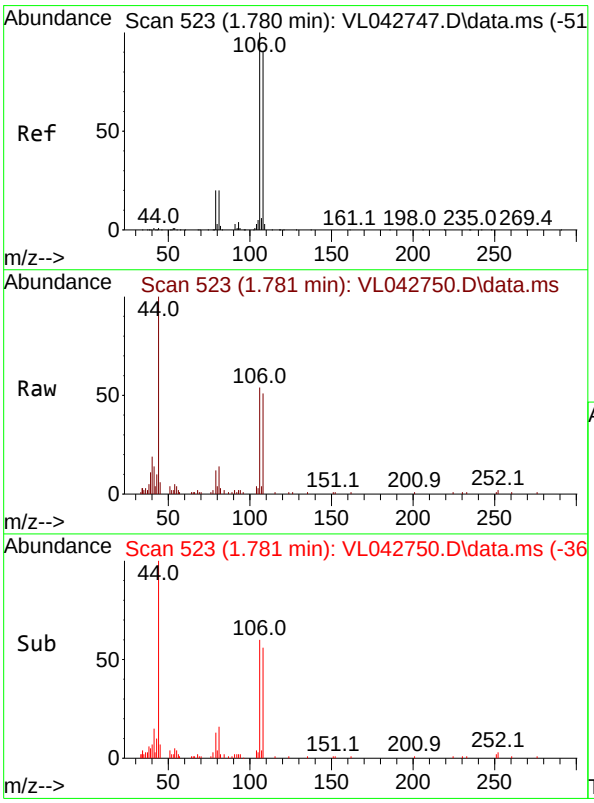
#13
Ethanol
Concen: 0.087 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 781

Ion	Ratio	Lower	Upper
45	100		
46	110.8	17.8	71.4#

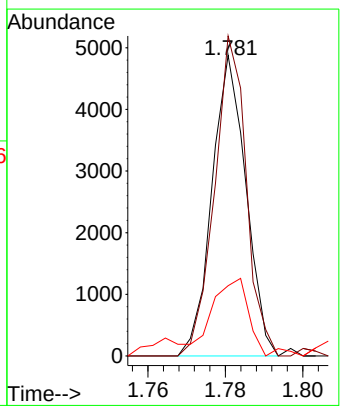


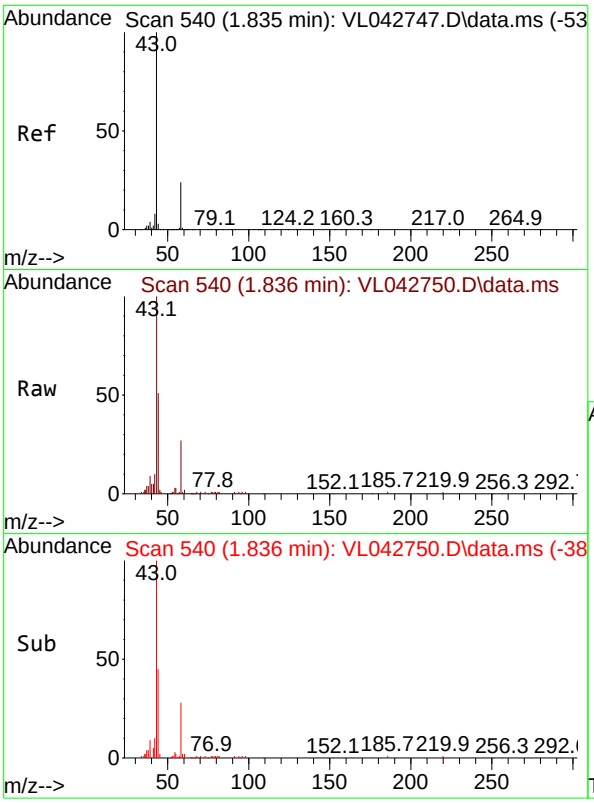


#14
Bromoethene
Concen: 0.536 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:108 Resp: 2971

Ion	Ratio	Lower	Upper
108	100		
106	102.0	84.7	127.1
79	35.4	17.4	26.2#



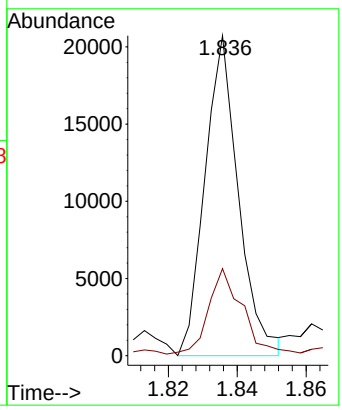


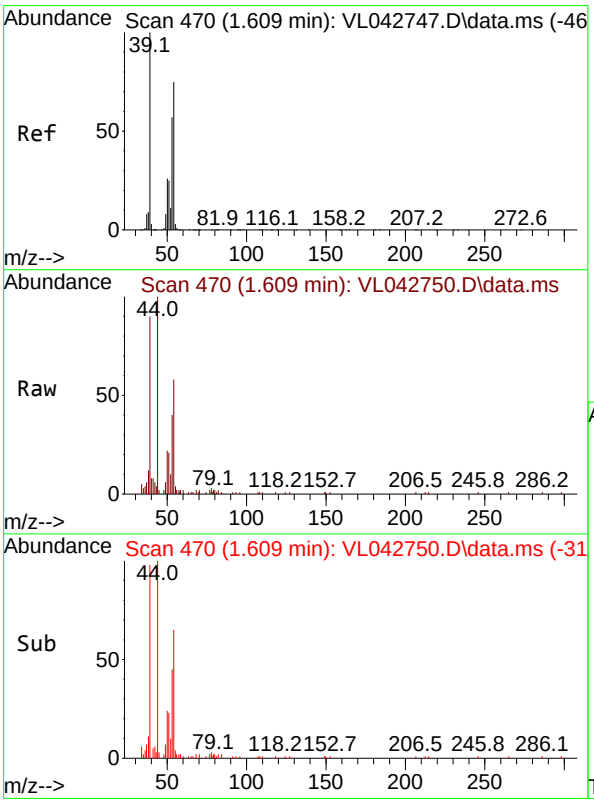
#15
Acetone
Concen: 0.671 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 14012

Ion	Ratio	Lower	Upper
43	100		
58	30.8	19.8	29.8#

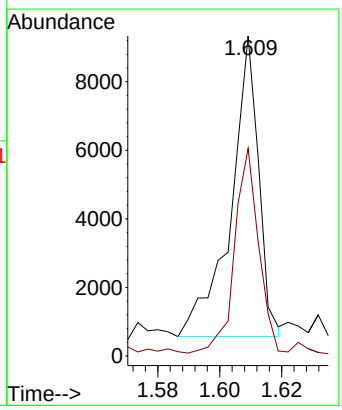


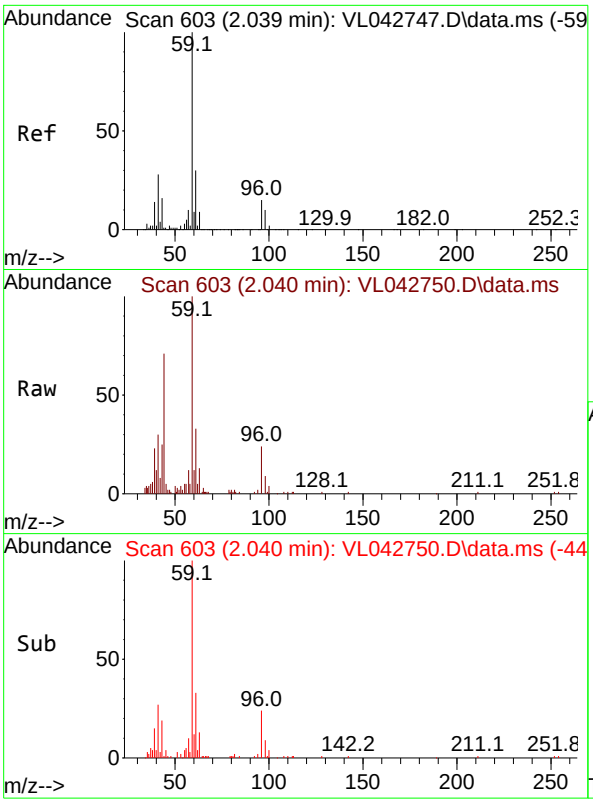


#16
1,3-Butadiene
Concen: 0.616 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 39 Resp: 5488

Ion	Ratio	Lower	Upper
39	100		
54	67.8	54.5	81.7



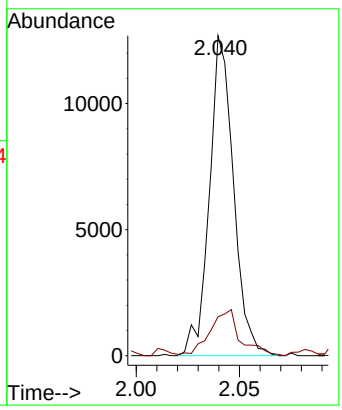


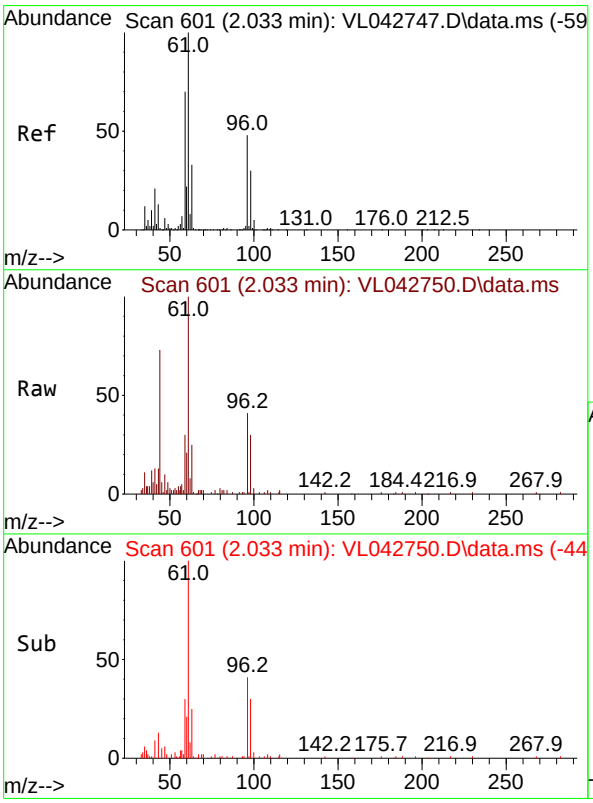
#17
tert-Butyl alcohol
Concen: 0.549 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 10333

Ion	Ratio	Lower	Upper
59	100		
57	19.1	8.3	12.5#

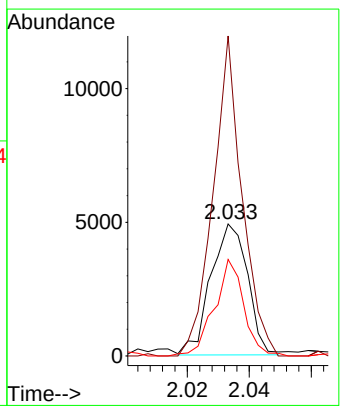


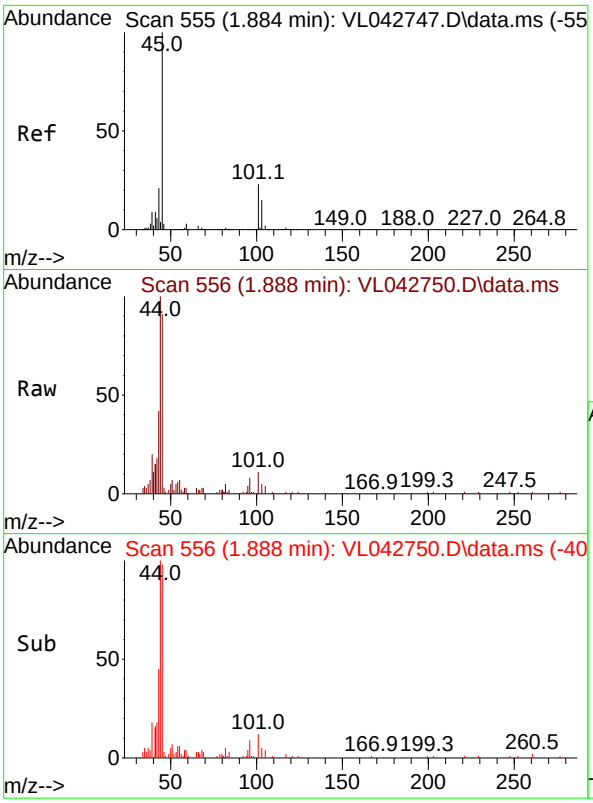


#18
1,1-Dichloroethene
Concen: 0.572 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4051

Ion	Ratio	Lower	Upper
96	100		
61	246.6	165.8	248.6
98	72.7	49.9	74.9



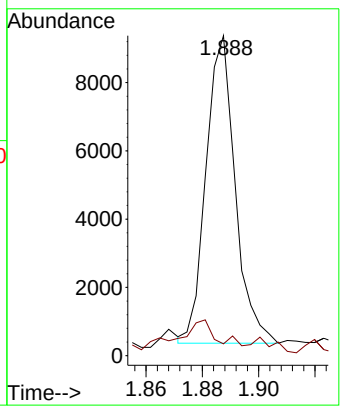


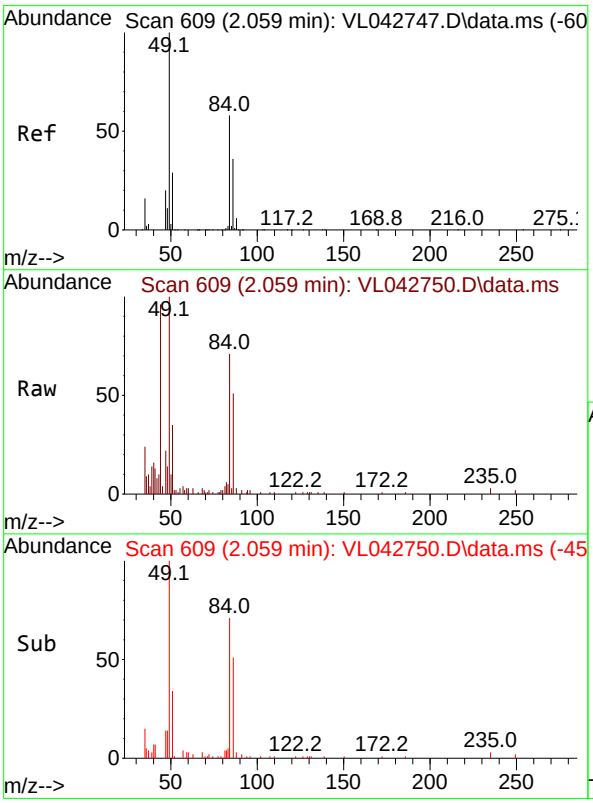
#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 6478

Ion	Ratio	Lower	Upper
45	100		
58	25.9	30.0	45.0#

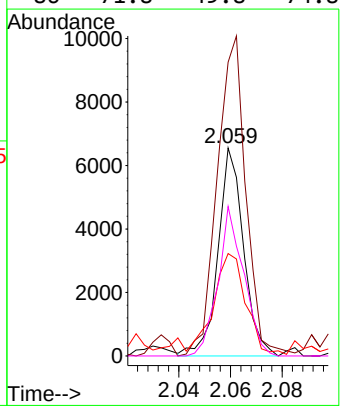


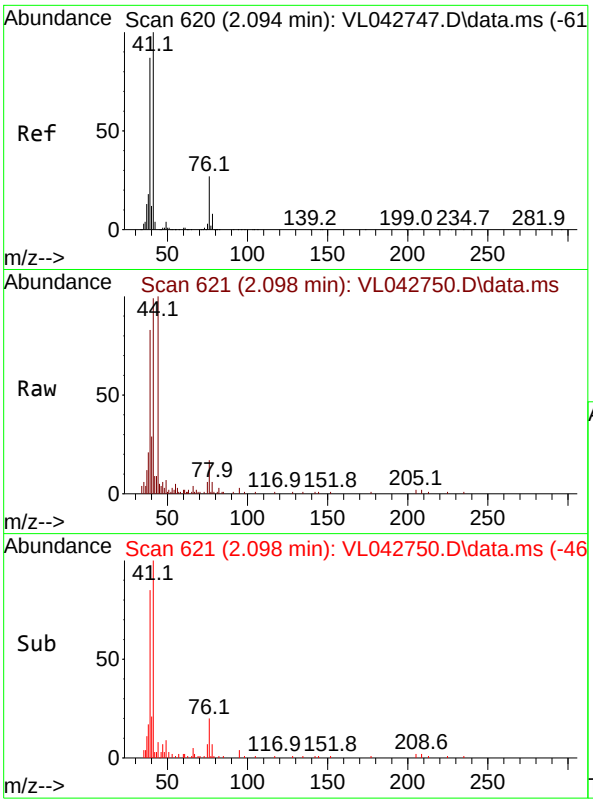


#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 4500

Ion	Ratio	Lower	Upper
84	100		
49	141.2	138.6	208.0
51	46.8	40.6	61.0
86	71.8	49.8	74.8



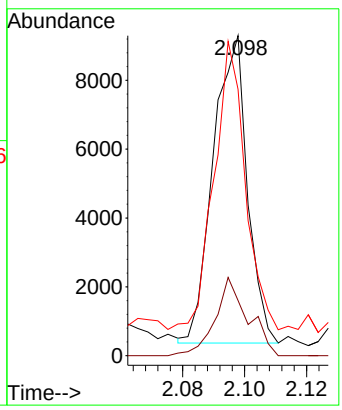


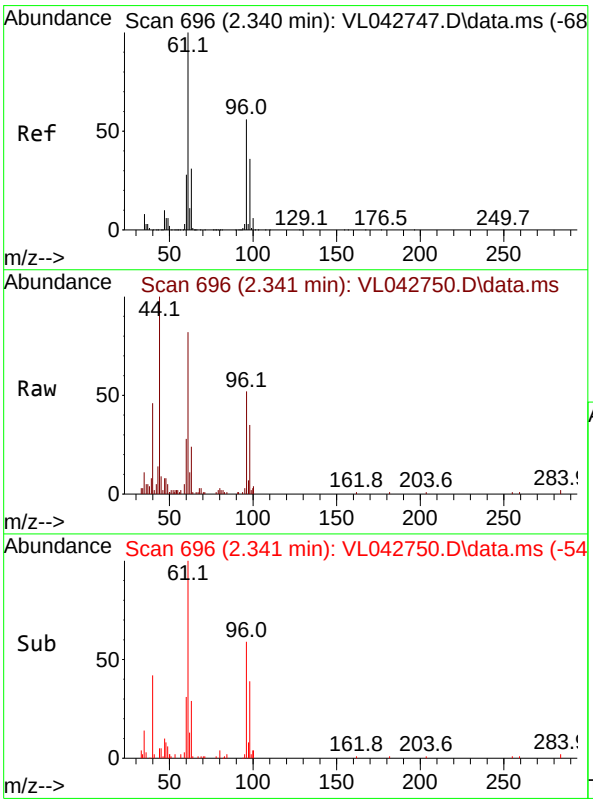
#21
Allyl Chloride
Concen: 0.531 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 6829

Ion	Ratio	Lower	Upper
41	100		
76	24.4	21.1	31.7
39	108.8	68.3	102.5#

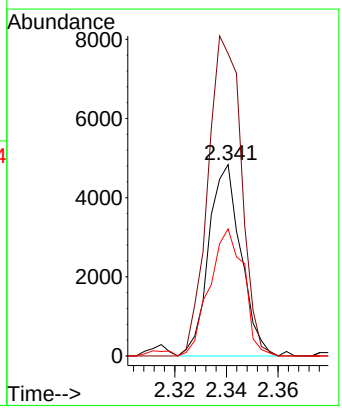


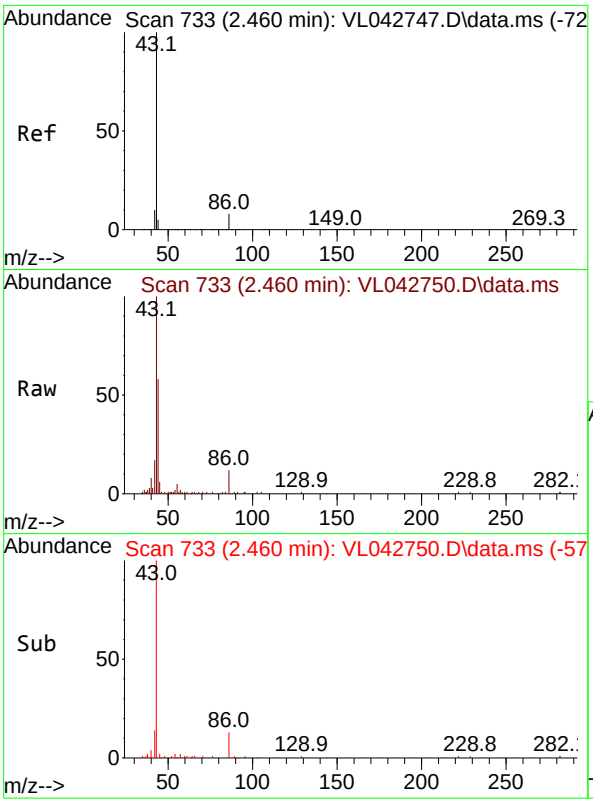


#22
trans-1,2-Dichloroethene
Concen: 0.551 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4186

Ion	Ratio	Lower	Upper
96	100		
61	157.9	142.3	213.5
98	66.4	50.6	76.0



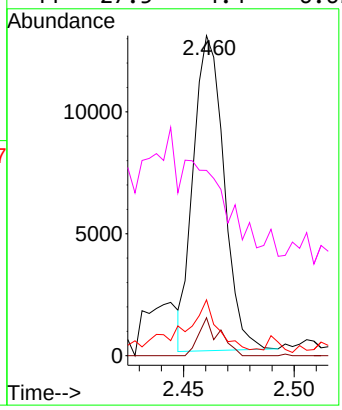


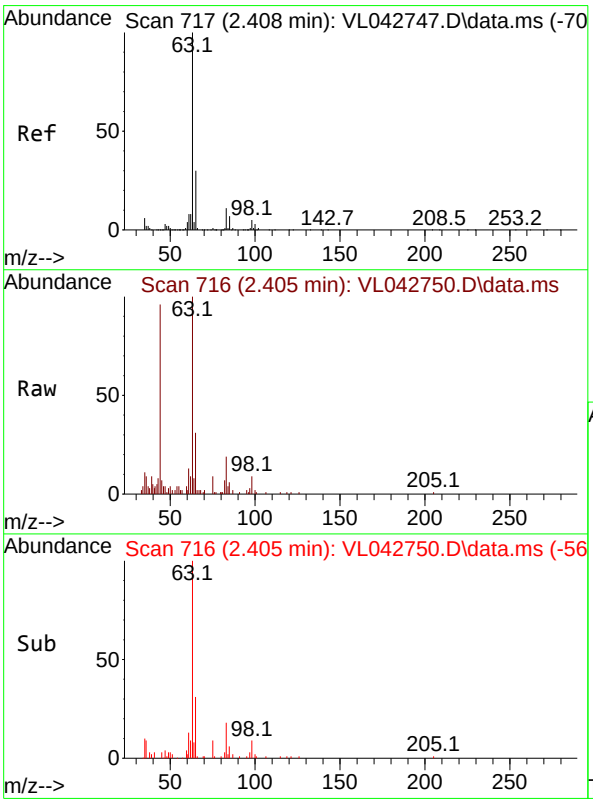
#23
Vinyl Acetate
Concen: 0.491 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 12423

Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.1	9.1#
42	13.5	7.8	11.8#
44	27.5	4.4	6.6#

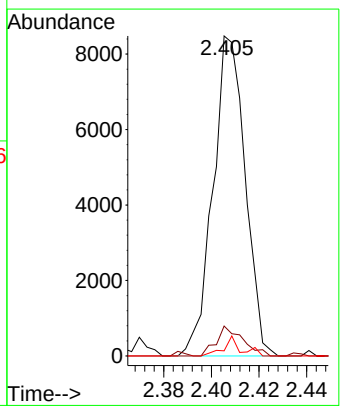


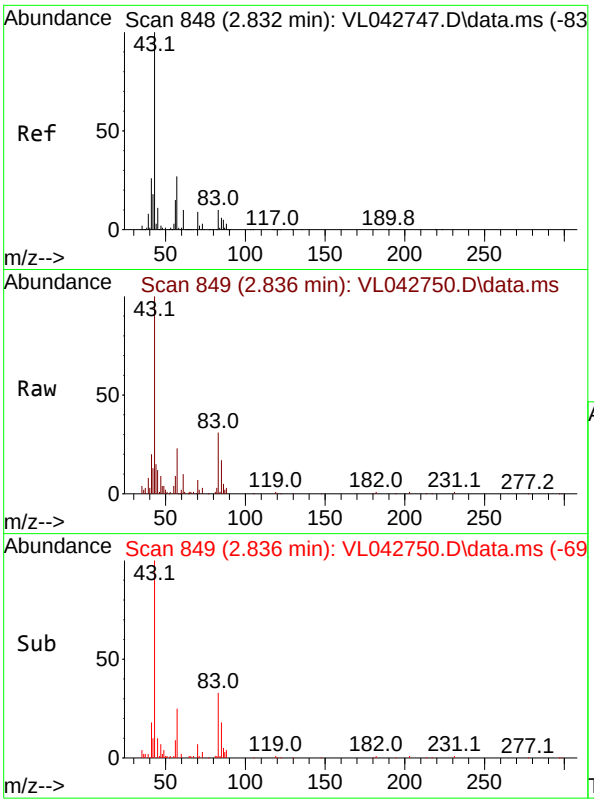


#24
1,1-Dichloroethane
Concen: 0.509 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 63 Resp: 7962

Ion	Ratio	Lower	Upper
63	100		
98	9.4	2.5	7.4#
100	2.8	1.6	4.8



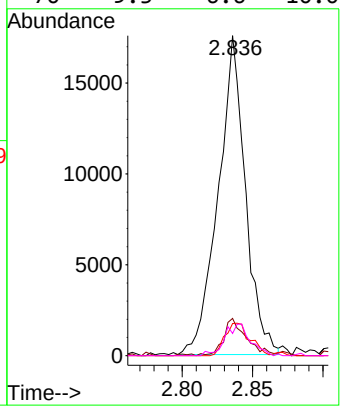


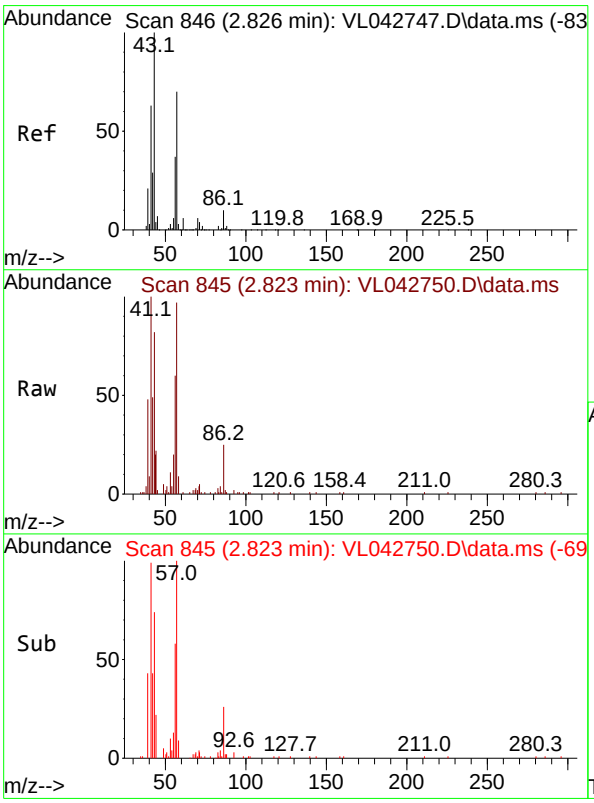
#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 23632

Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.6
61	9.8	6.7	10.1
70	9.3	6.6	10.0

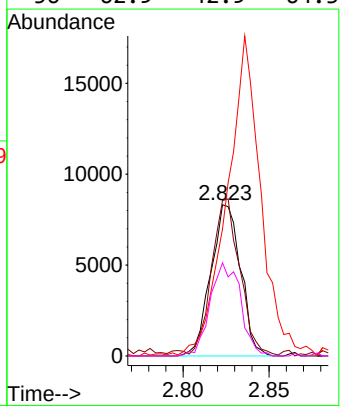


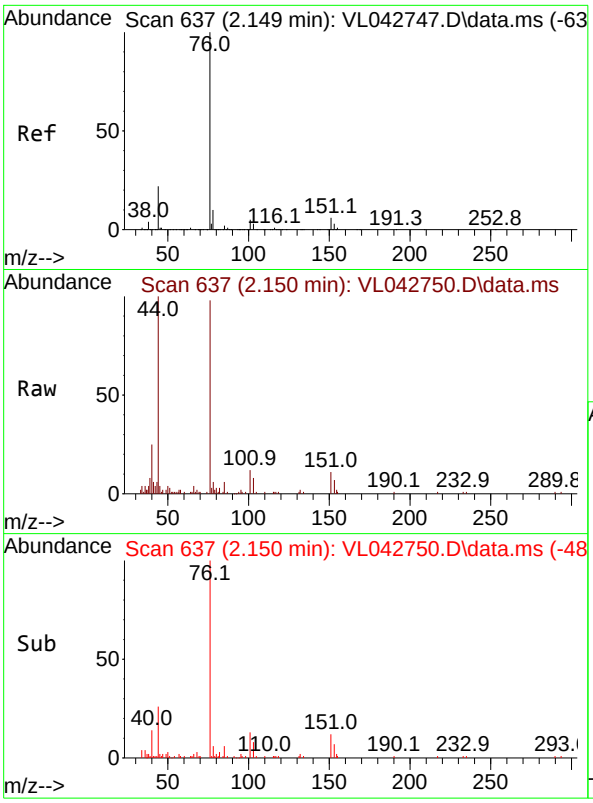


#26
Hexane
Concen: 0.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 10019

Ion	Ratio	Lower	Upper
57	100		
41	107.1	75.4	113.2
43	244.9	185.0	277.6
56	62.9	42.9	64.3



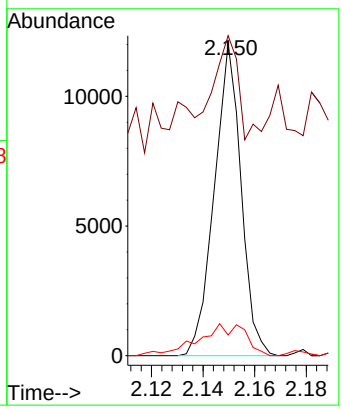


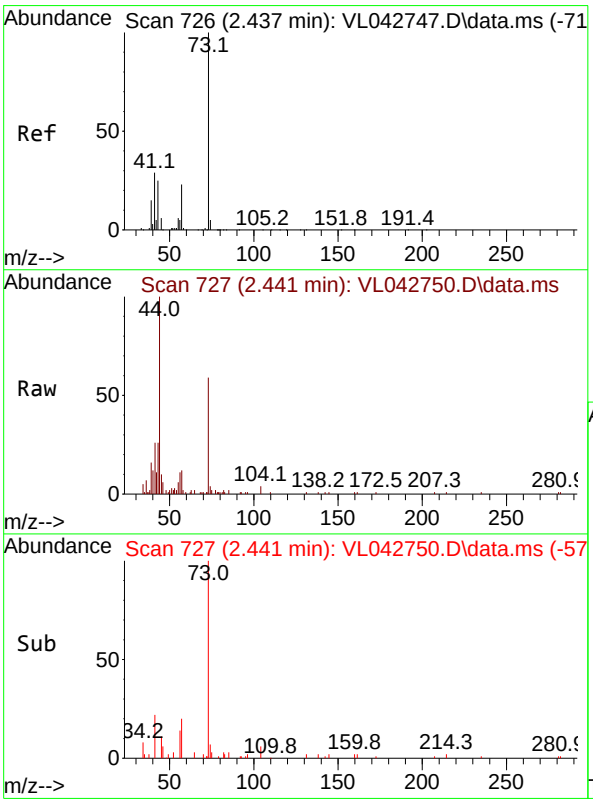
#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 8670

Ion	Ratio	Lower	Upper
76	100		
44	203.7	19.3	28.9#
78	19.1	9.9	14.9#

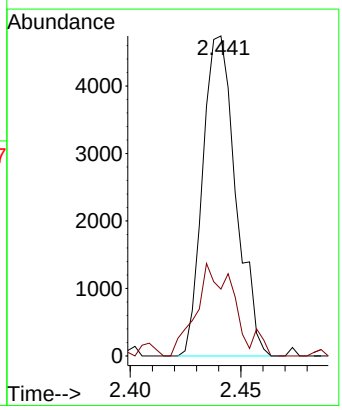


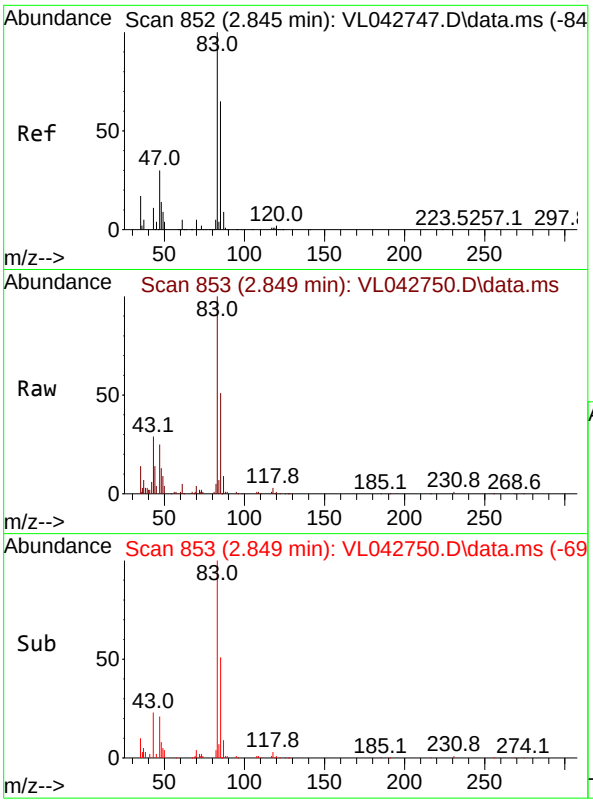


#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 73 Resp: 4937

Ion	Ratio	Lower	Upper
73	100		
57	35.2	19.8	29.8#



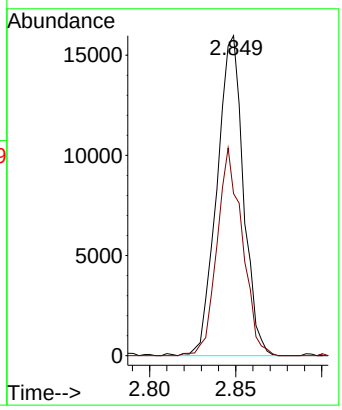


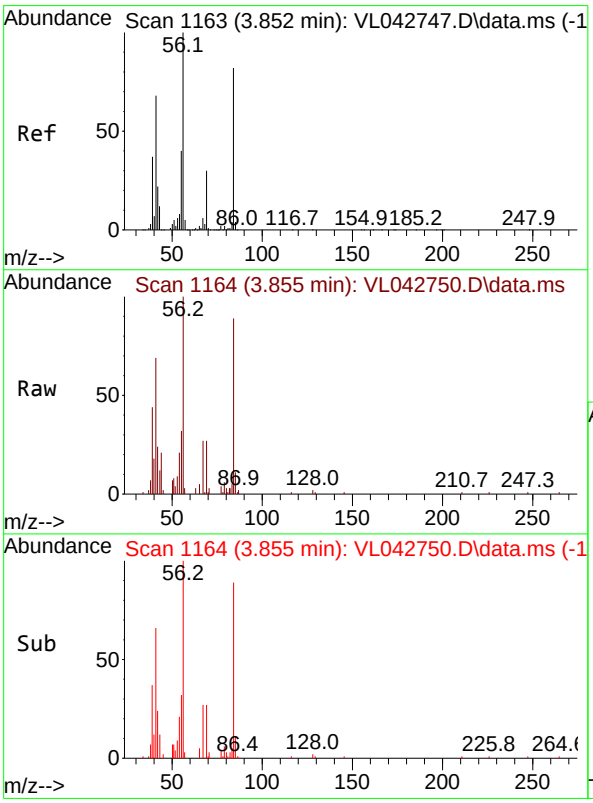
#29
Chloroform
Concen: 0.546 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 17100

Ion	Ratio	Lower	Upper
83	100		
85	50.7	52.2	78.2#

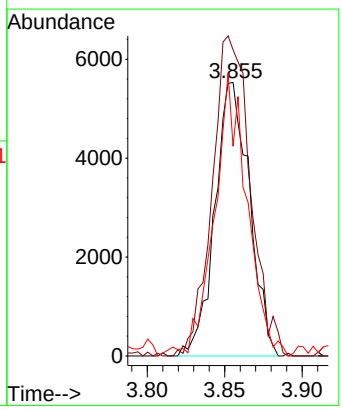


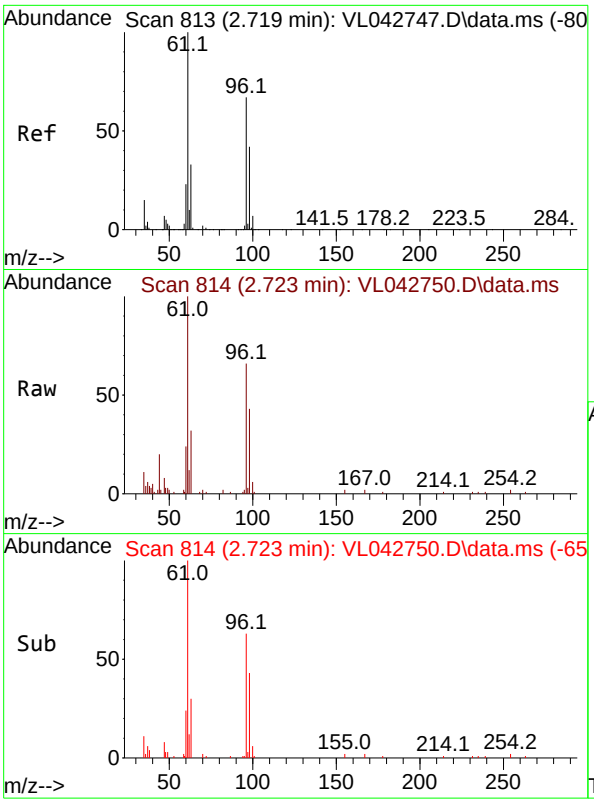


#30
Cyclohexane
Concen: 0.500 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 8596

Ion	Ratio	Lower	Upper
84	100		
56	129.6	97.5	146.3
41	98.8	67.2	100.8



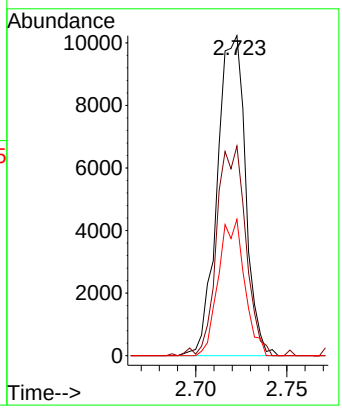


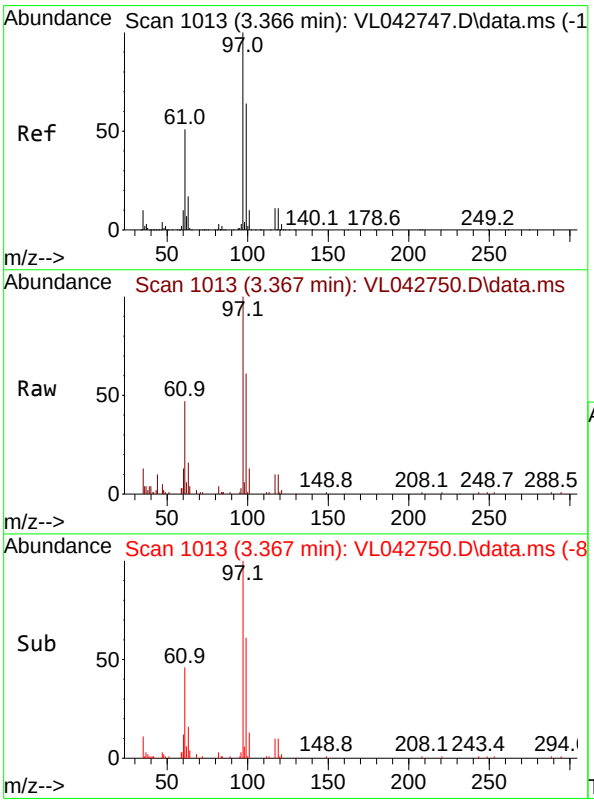
#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 11032

Ion	Ratio	Lower	Upper
61	100		
96	65.5	53.5	80.3
98	42.6	33.6	50.4

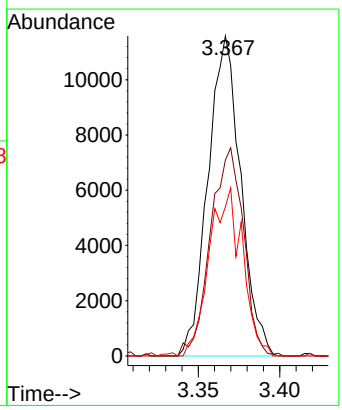


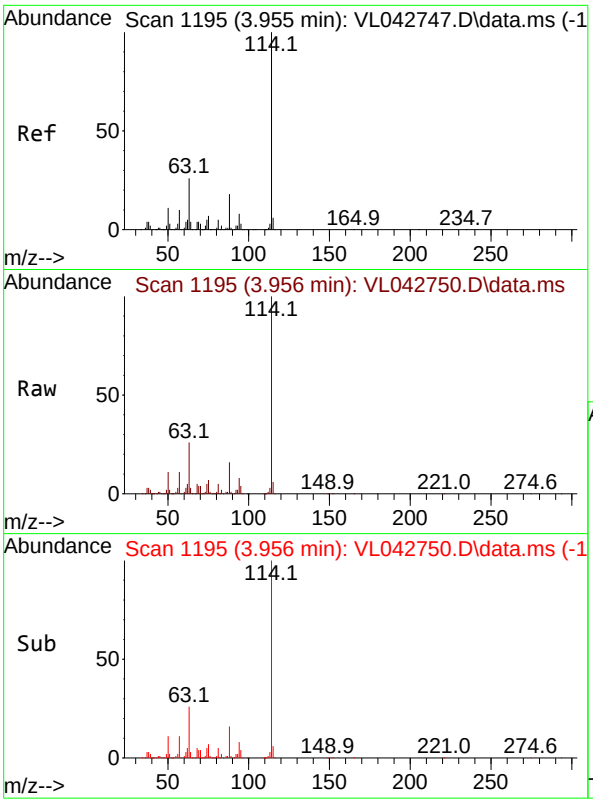


#32
1,1,1-Trichloroethane
Concen: 0.494 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 16132

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	53.8	40.9	61.3



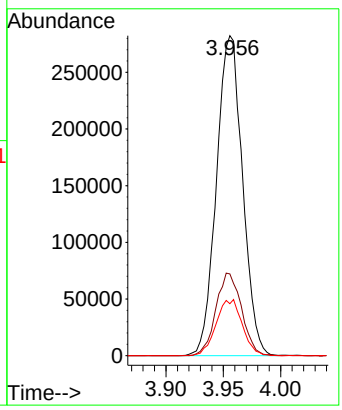


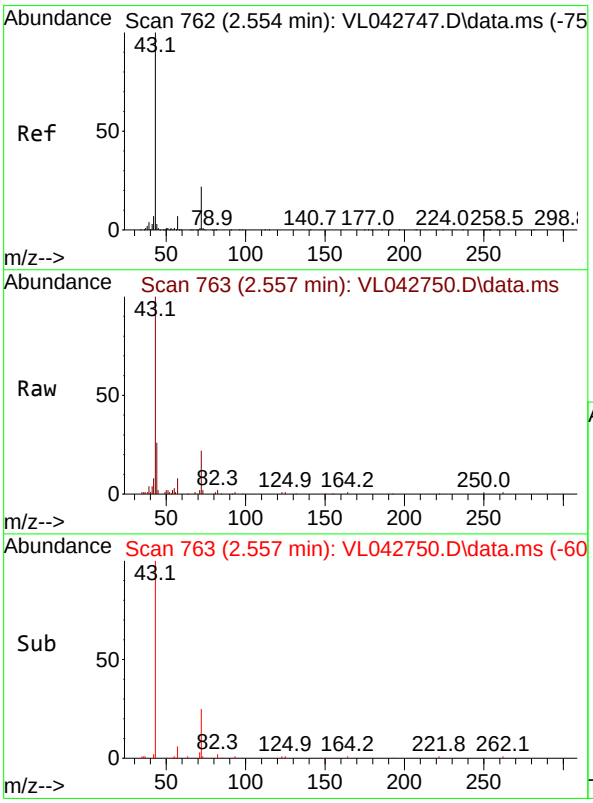
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 446836

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.7	14.0	21.0

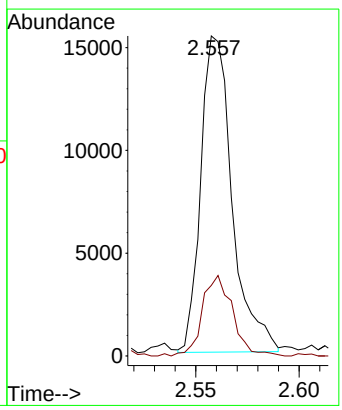


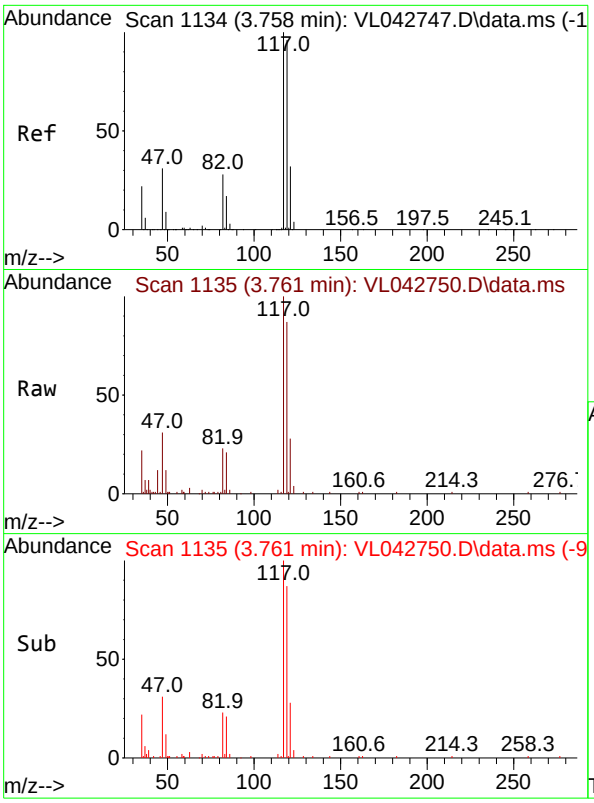


#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 16299

Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.0



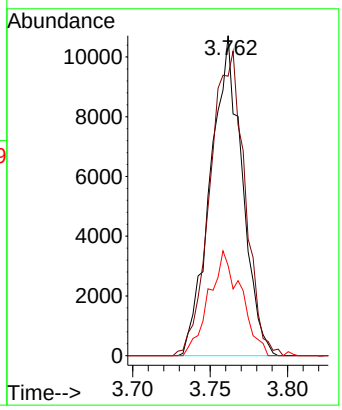


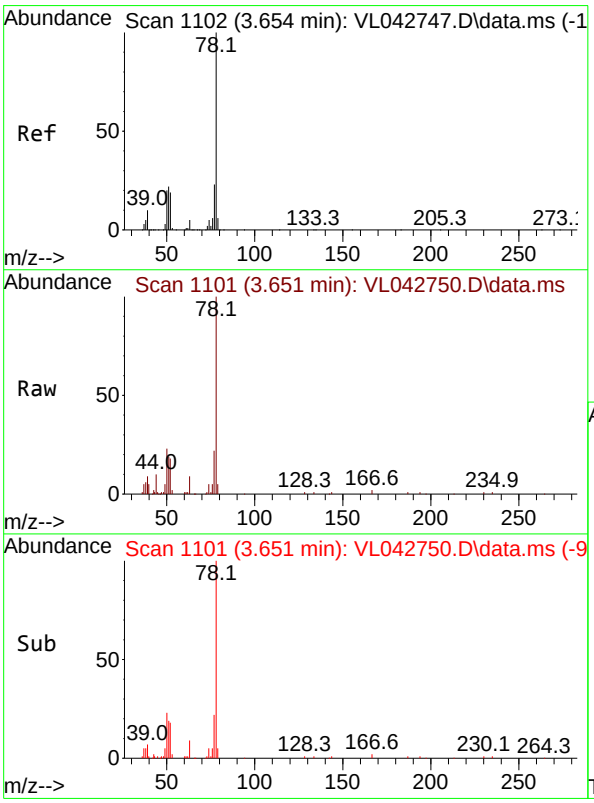
#35
Carbon Tetrachloride
Concen: 0.458 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 15207

Ion	Ratio	Lower	Upper
117	100		
119	86.0	77.1	115.7
121	28.2	25.5	38.3

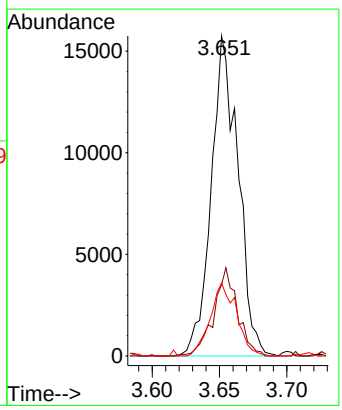


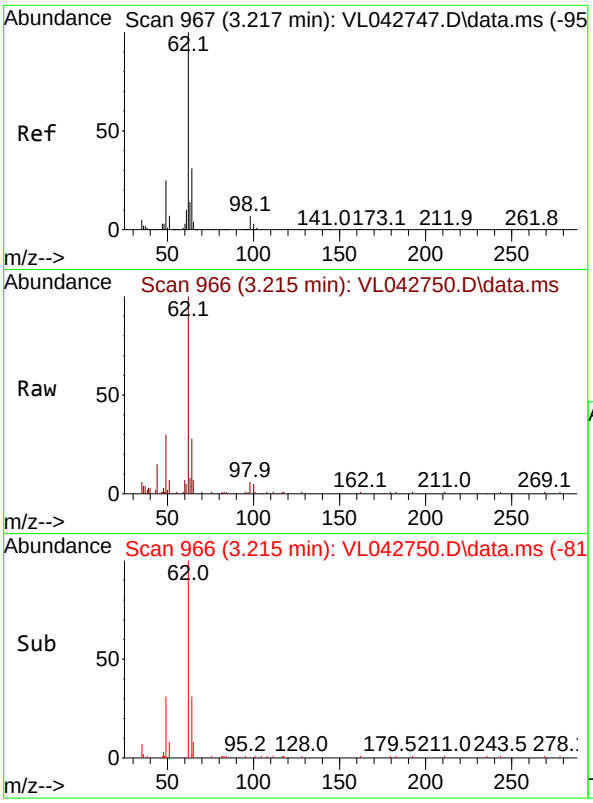


#36
Benzene
Concen: 0.515 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 78 Resp: 21800

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7
50	22.8	16.2	24.2



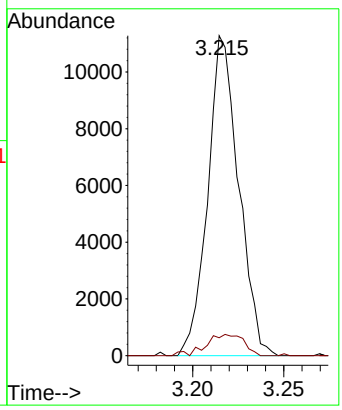


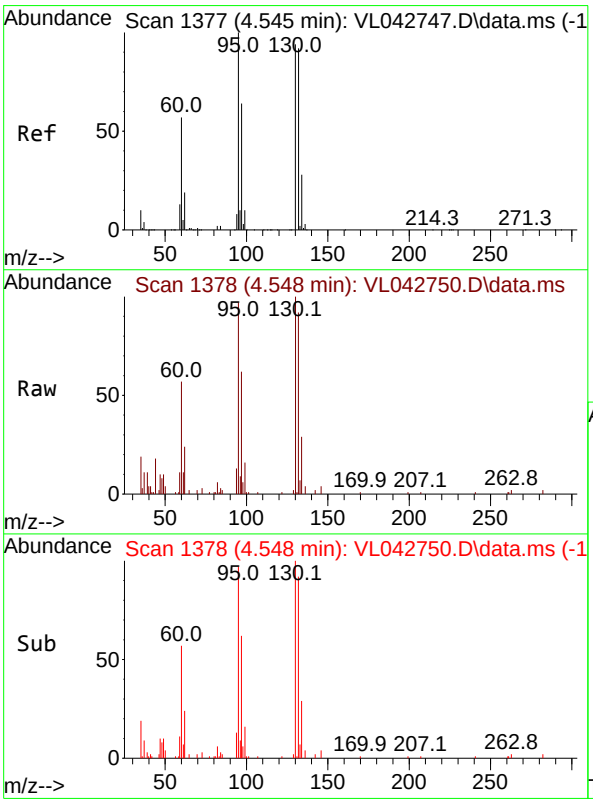
#37
1,2-Dichloroethane
Concen: 0.521 ppbv
RT: 3.215 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 13299

Ion	Ratio	Lower	Upper
62	100		
98	8.3	5.2	7.8#

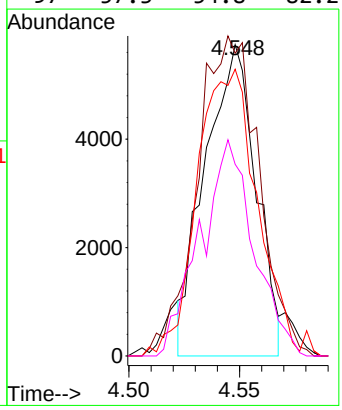


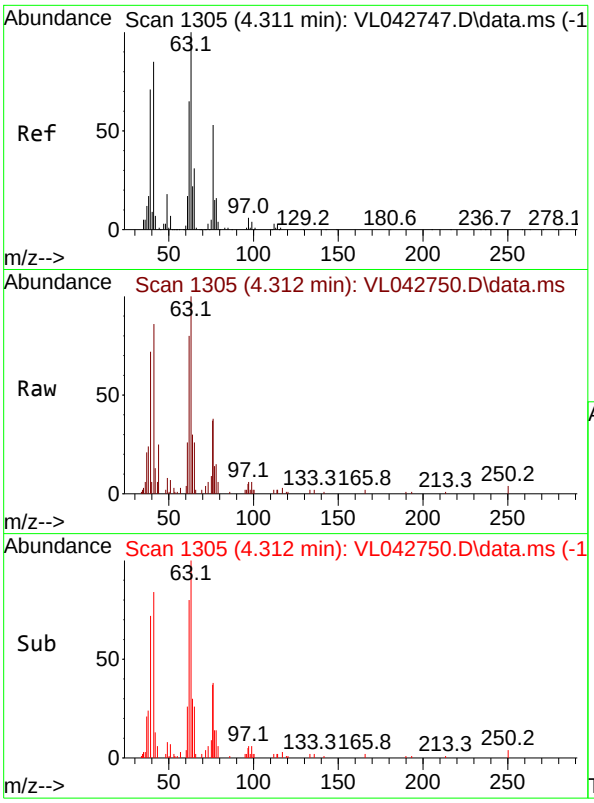


#38
Trichloroethene
Concen: 0.448 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:130 Resp: 9150

Ion	Ratio	Lower	Upper
130	100		
95	89.3	85.4	128.2
132	94.1	78.2	117.2
97	57.3	54.8	82.2



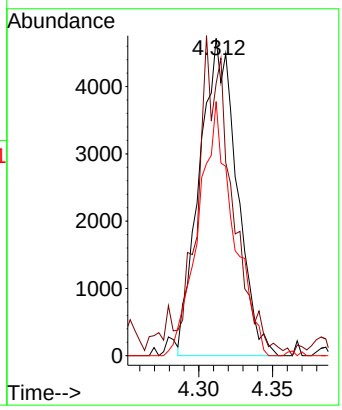


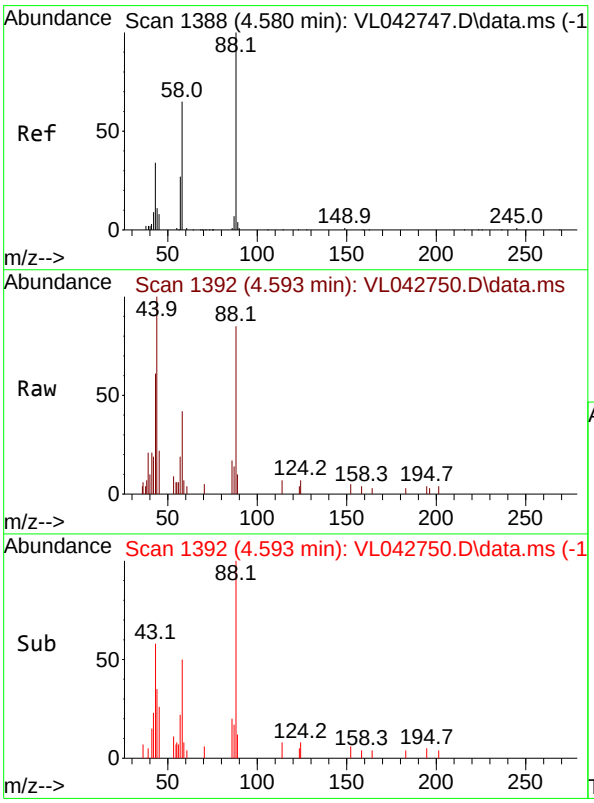
#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 8291

Ion	Ratio	Lower	Upper
63	100		
41	83.1	68.2	102.4
62	80.1	52.0	78.0#

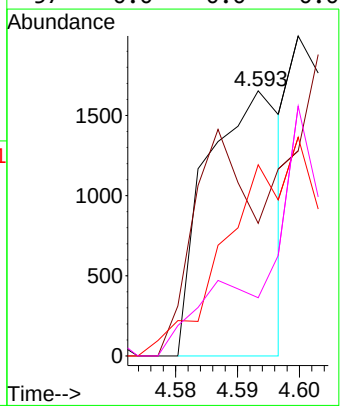


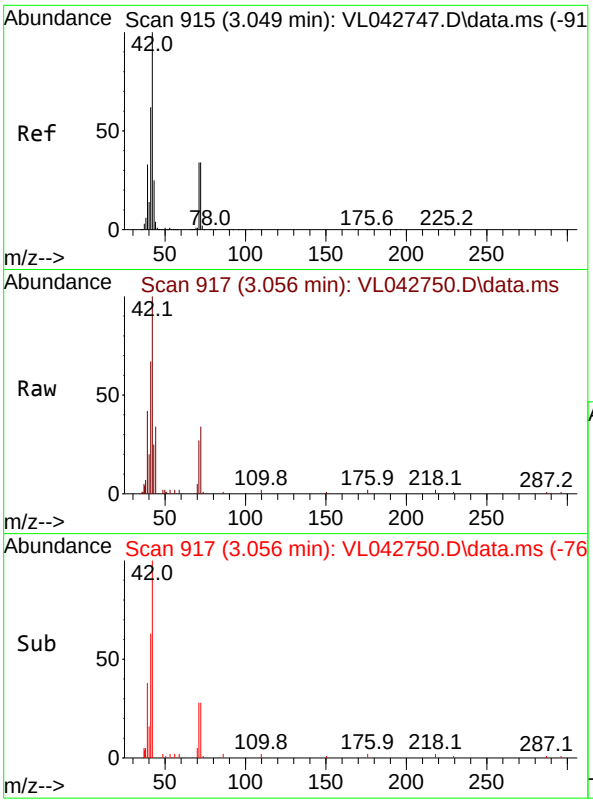


#40
1,4-Dioxane
Concen: 0.187 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.013 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 88 Resp: 1378

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	0.0	28.9	43.3#
57	0.0	0.0	0.0



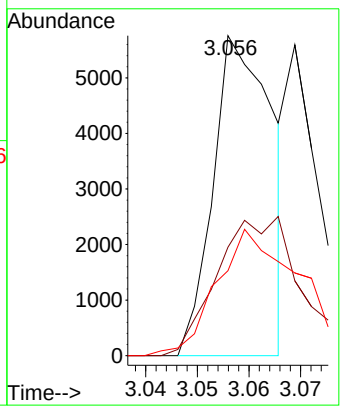


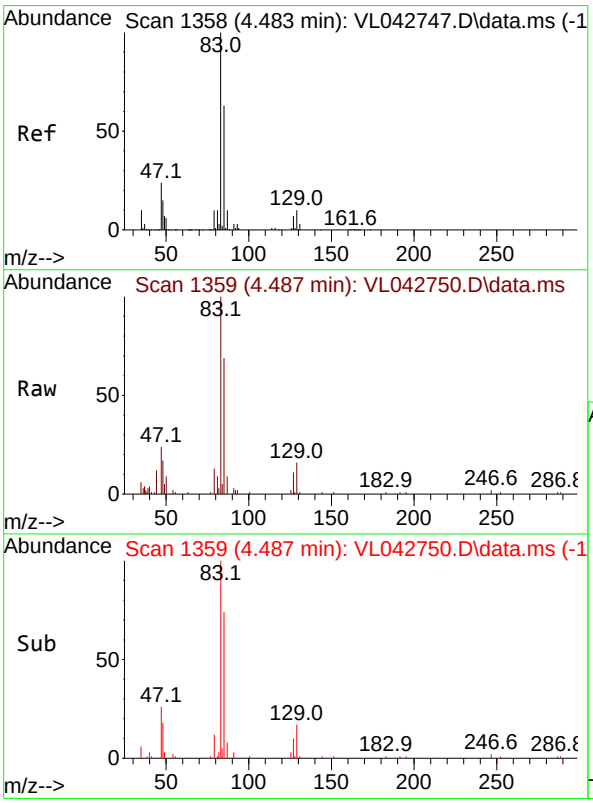
#41
Tetrahydrofuran
Concen: 0.289 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 4590

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	66.1	28.6	43.0#

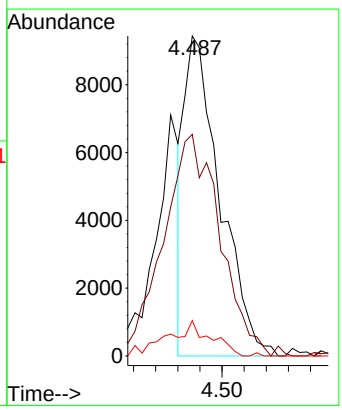


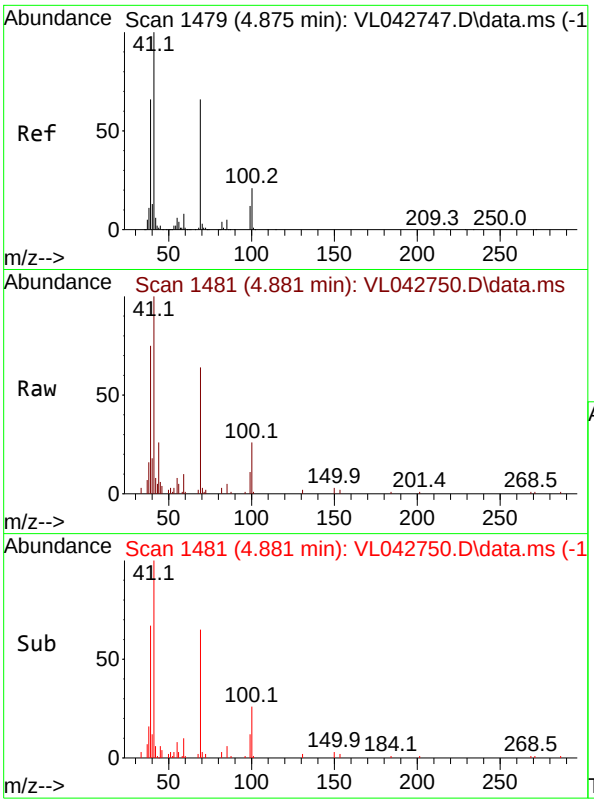


#42
Bromodichloromethane
Concen: 0.318 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 10591

Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.2	75.4
127	11.1	5.4	8.2#



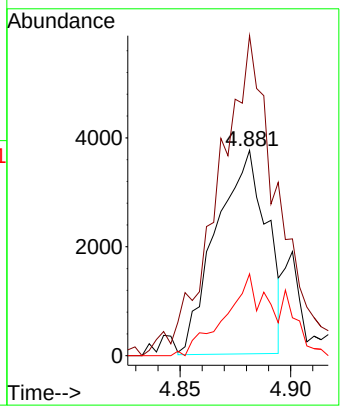


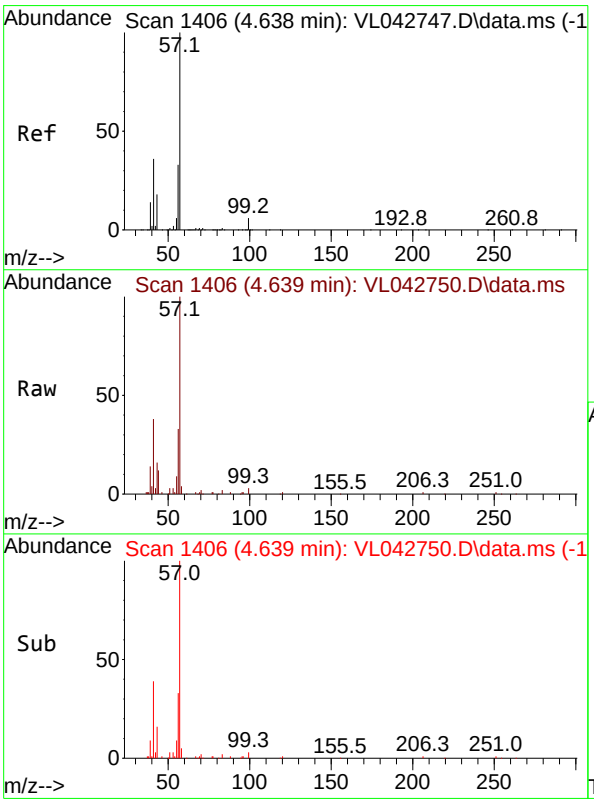
#43
Methyl Methacrylate
Concen: 0.394 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 5938

Ion	Ratio	Lower	Upper
69	100		
41	186.9	125.7	188.5
100	44.0	28.6	42.8#

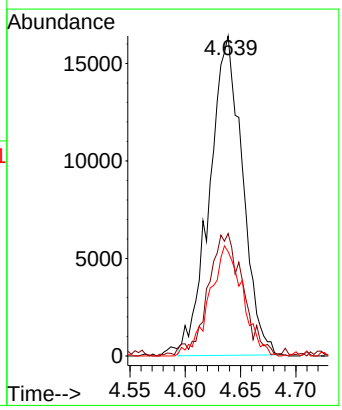


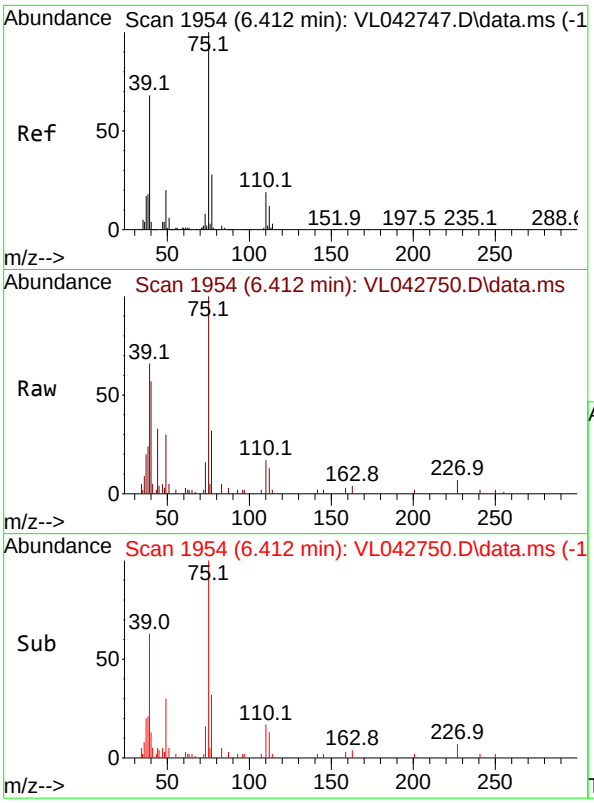


#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 33853

Ion	Ratio	Lower	Upper
57	100		
41	41.3	28.3	42.5
56	34.7	25.8	38.6



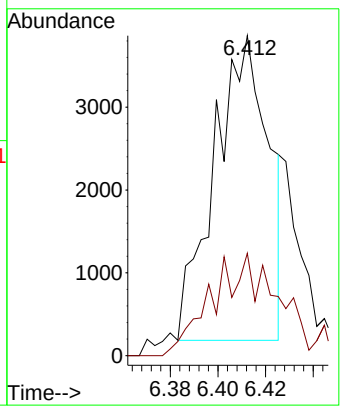


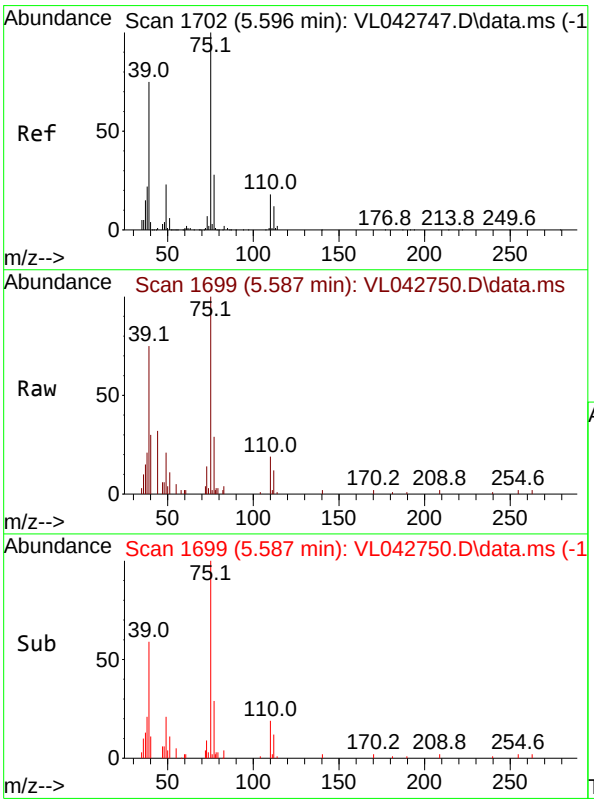
#45
t-1,3-Dichloropropene
Concen: 0.342 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 5781

Ion	Ratio	Lower	Upper
75	100		
77	32.0	22.4	33.6

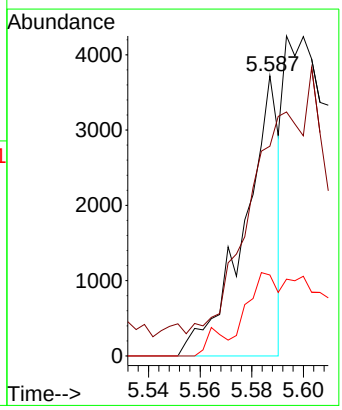


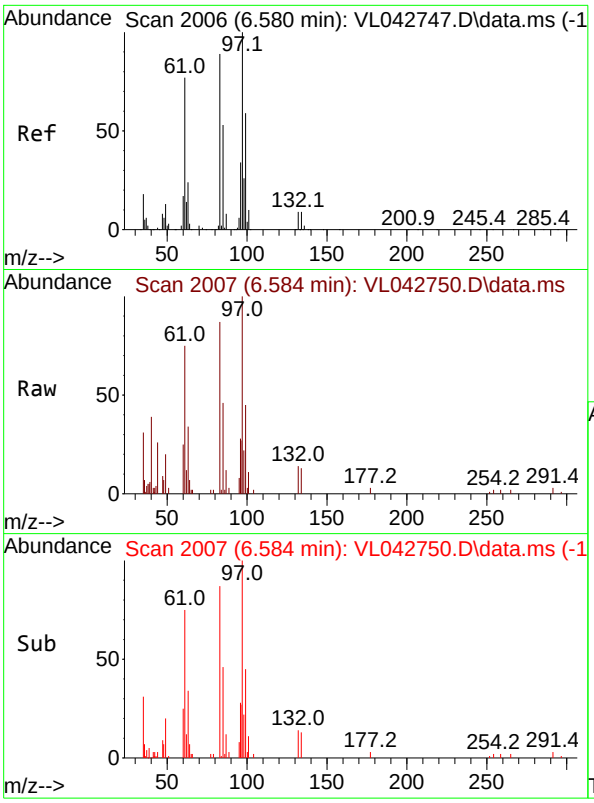


#46
cis-1,3-Dichloropropene
Concen: 0.162 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.009 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 75 Resp: 3465

Ion	Ratio	Lower	Upper
75	100		
39	63.4	60.2	90.2
77	28.9	22.6	34.0



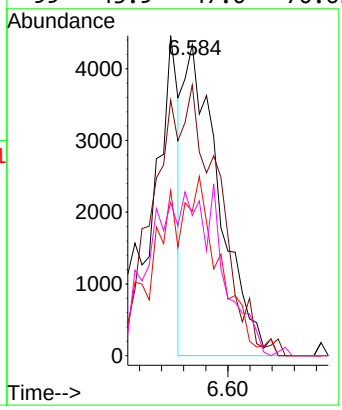


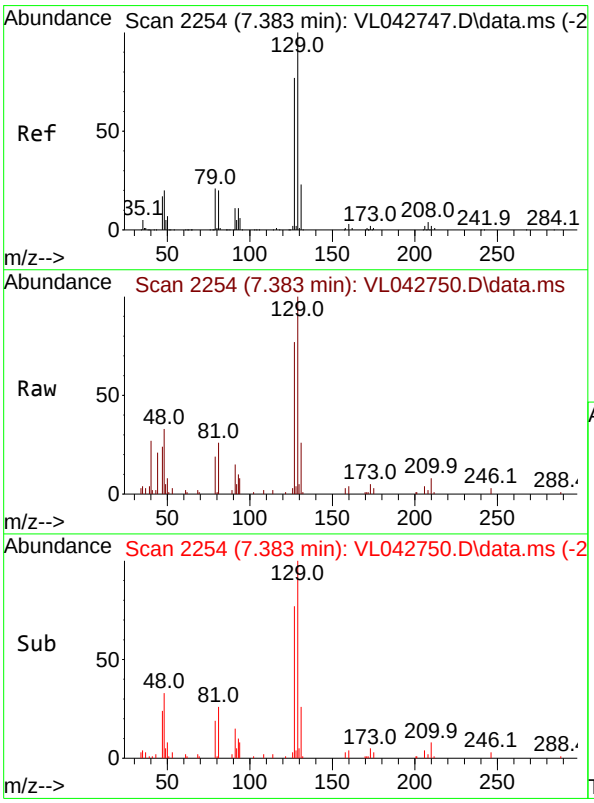
#47
1,1,2-Trichloroethane
Concen: 0.293 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 4878

Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.1	106.7
85	46.4	43.0	64.4
99	43.9	47.0	70.6#

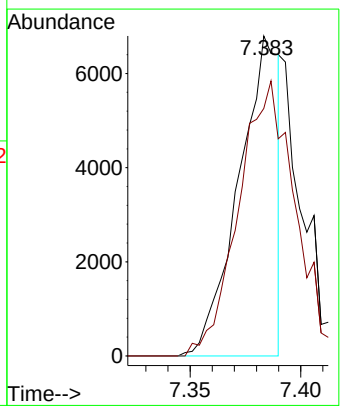


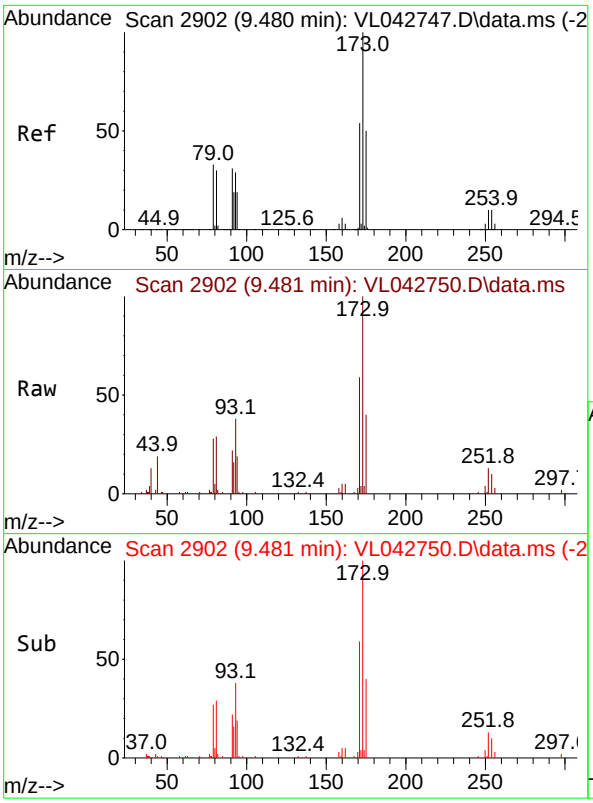


#48
Dibromochloromethane
Concen: 0.322 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:129 Resp: 8515

Ion	Ratio	Lower	Upper
129	100		
127	121.6	38.7	116.1#



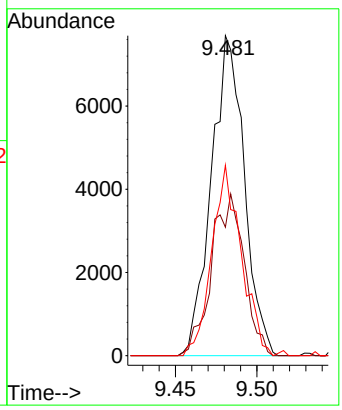


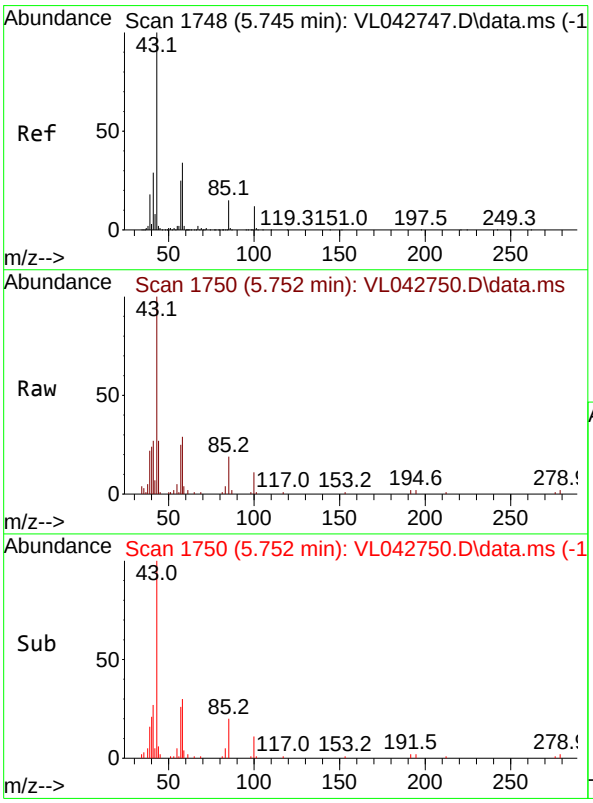
#49
Bromoform
Concen: 0.468 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 10801

Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.4	57.6
171	53.7	40.9	61.3

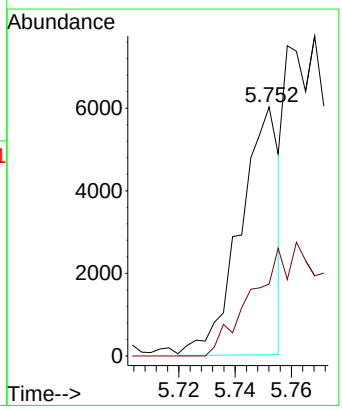


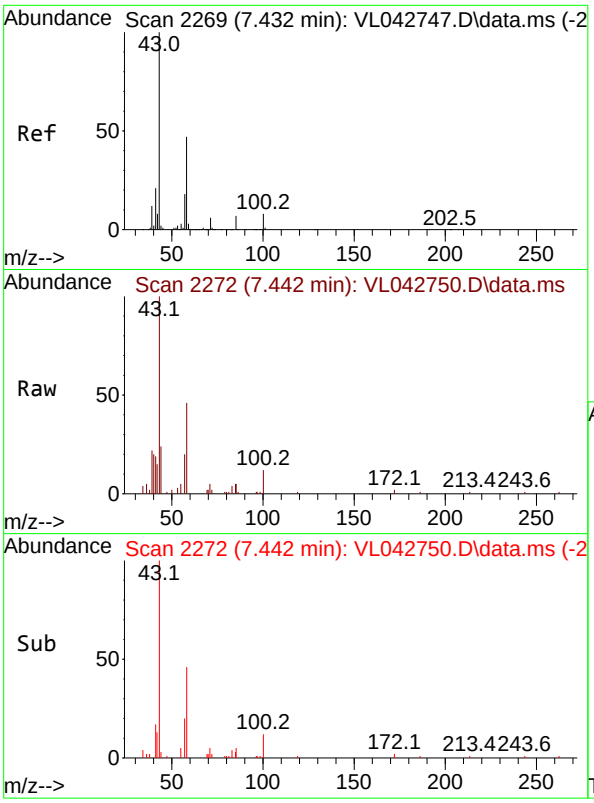


#50
4-Methyl-2-Pentanone
Concen: 0.142 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 5736

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



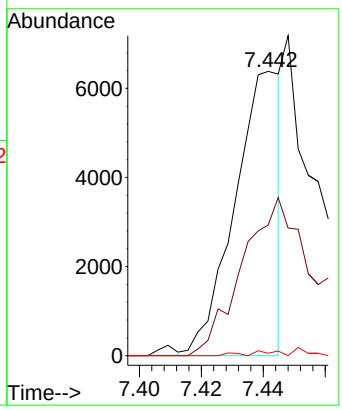


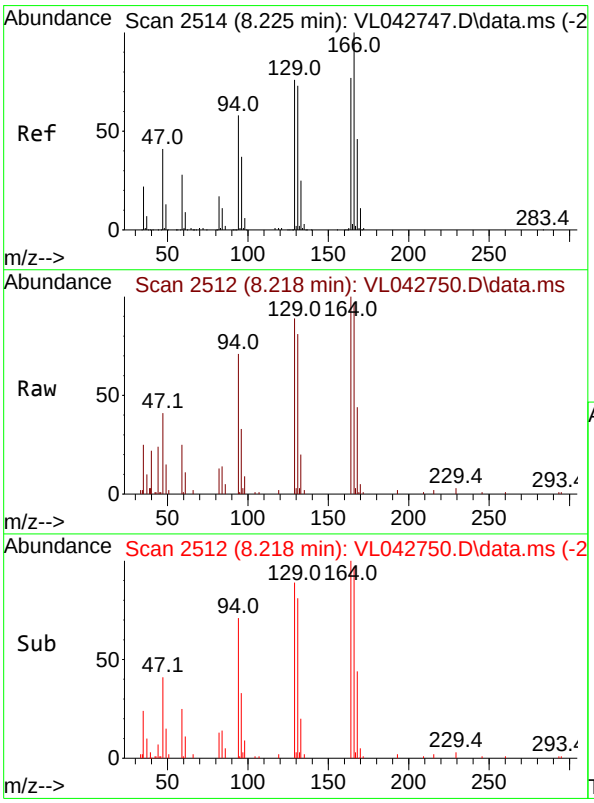
#51
2-Hexanone
Concen: 0.213 ppbv
RT: 7.442 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 6572

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#

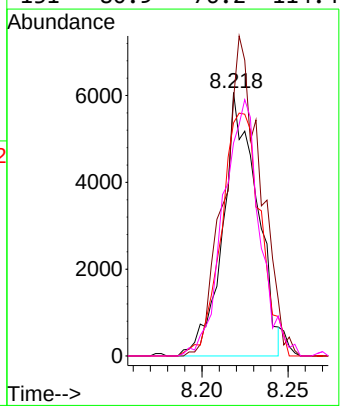


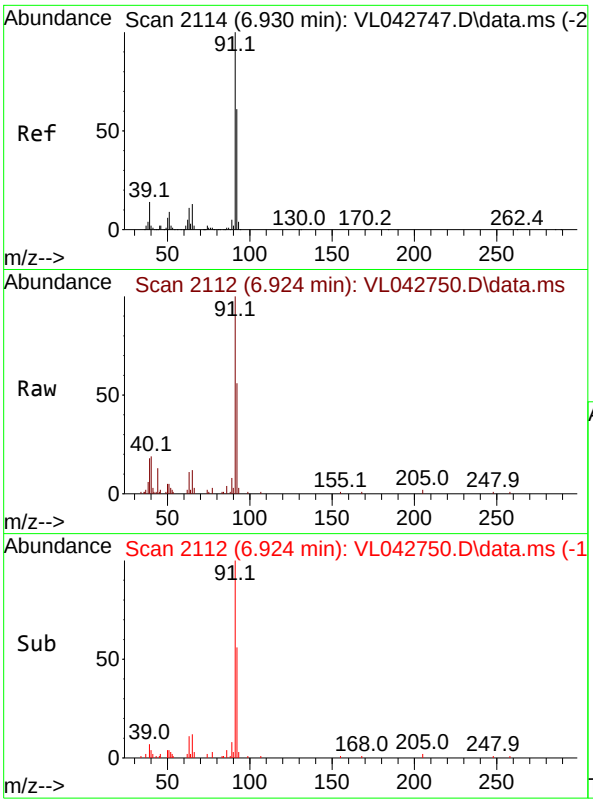


#52
Tetrachloroethene
Concen: 0.475 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:164 Resp: 8359

Ion	Ratio	Lower	Upper
164	100		
166	97.5	104.0	156.0#
129	88.5	79.2	118.8
131	80.9	76.2	114.4



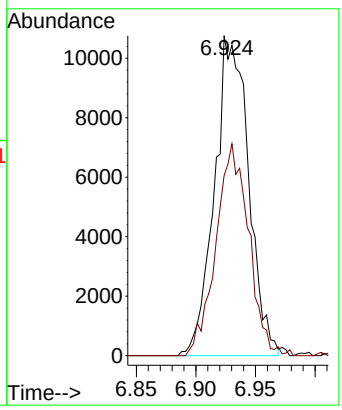


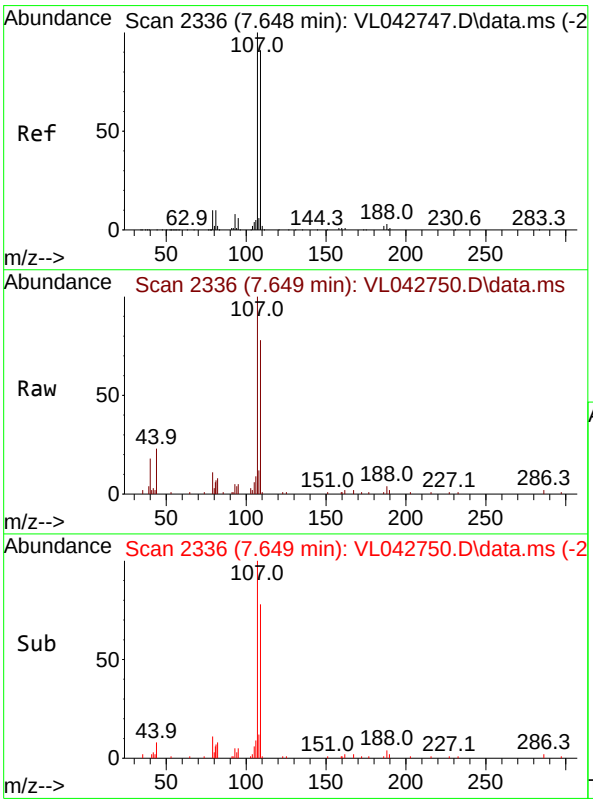
#53
Toluene
Concen: 0.469 ppbv
RT: 6.924 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 21324

Ion	Ratio	Lower	Upper
91	100		
92	63.9	48.0	72.0

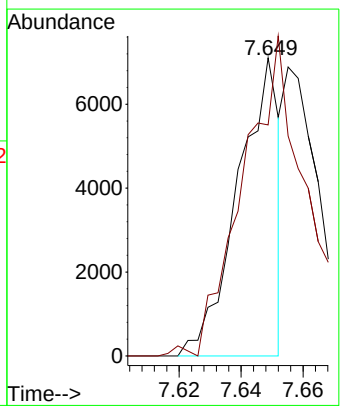


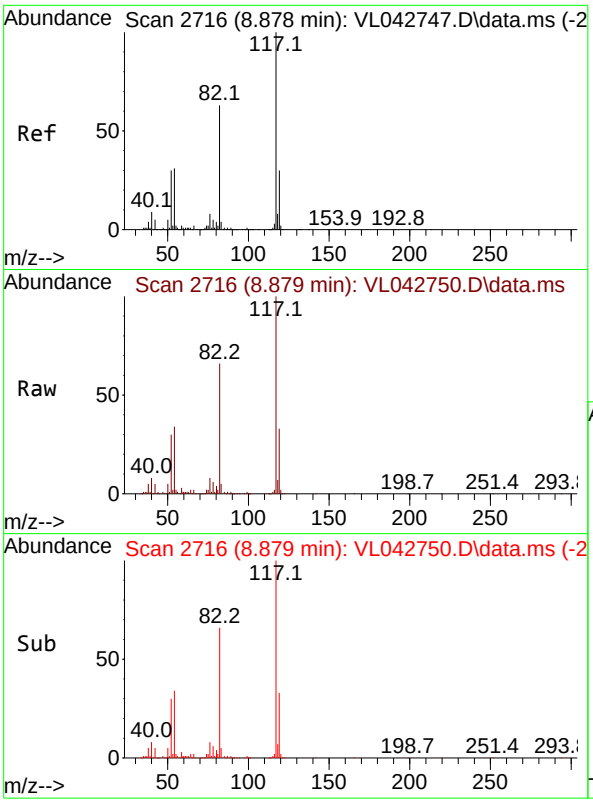


#54
1,2-Dibromoethane
Concen: 0.277 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:107 Resp: 6536

Ion	Ratio	Lower	Upper
107	100		
109	74.1	72.7	109.1



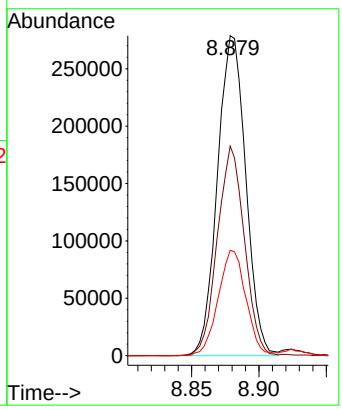


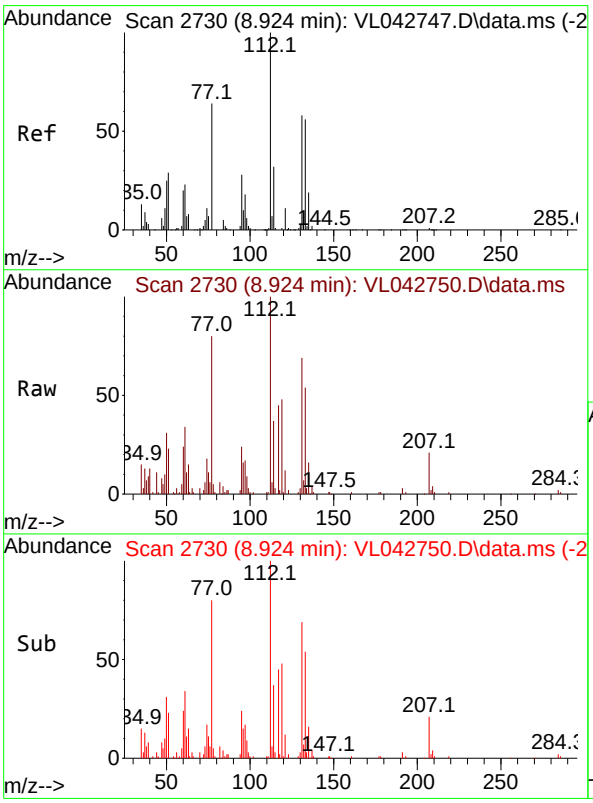
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 408626

Ion	Ratio	Lower	Upper
117	100		
82	62.7	53.3	79.9
119	32.3	25.8	38.6

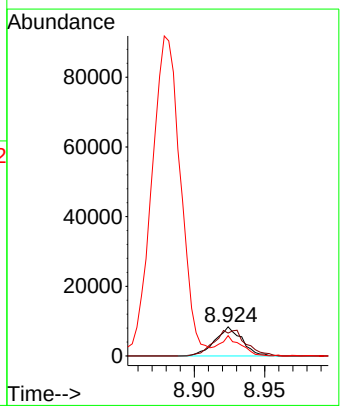


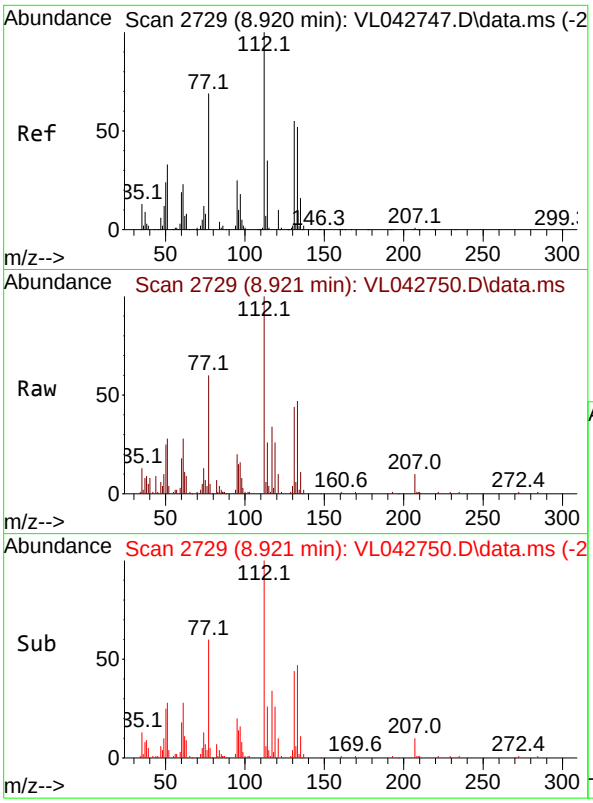


#56
1,1,1,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:131 Resp: 11191

Ion	Ratio	Lower	Upper
131	100		
133	104.0	76.8	115.2
119	1231.3	49.7	74.5#



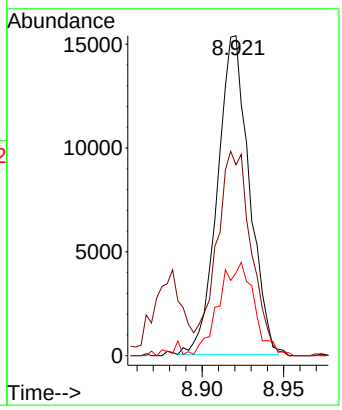


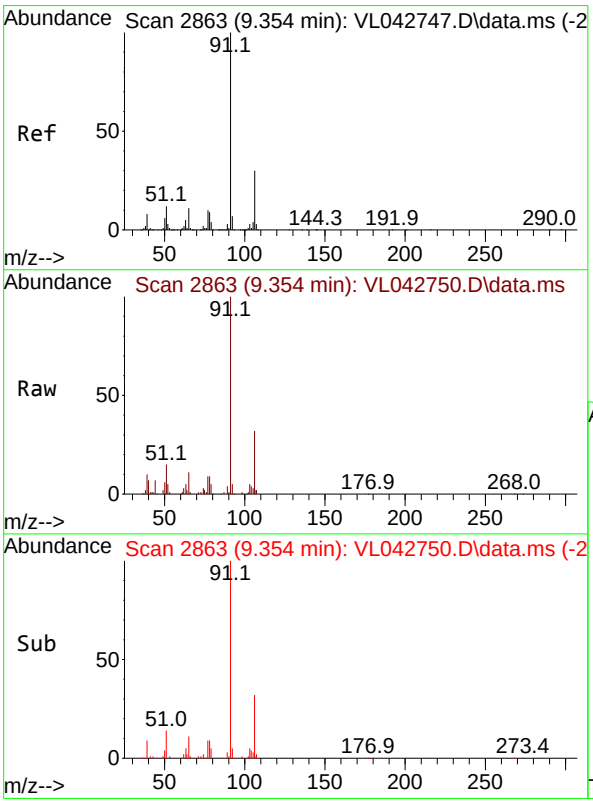
#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 20828

Ion	Ratio	Lower	Upper
112	100		
77	58.4	56.4	84.6
114	23.8	31.2	38.2#

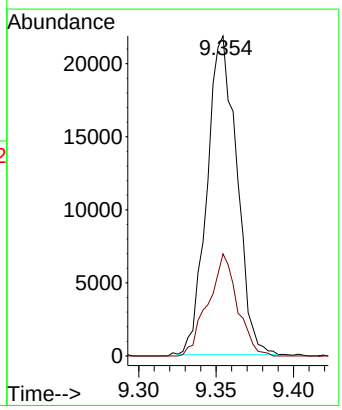


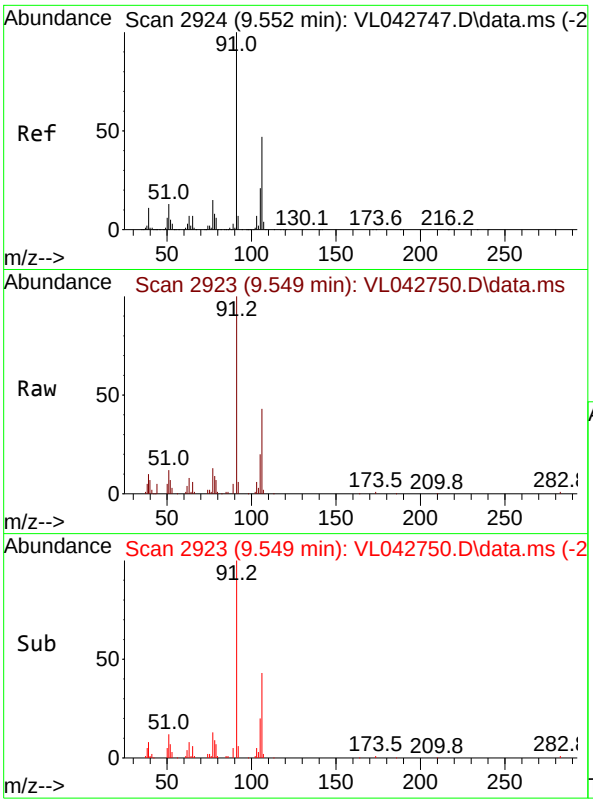


#58
Ethyl Benzene
Concen: 0.451 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29134

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.8	35.6



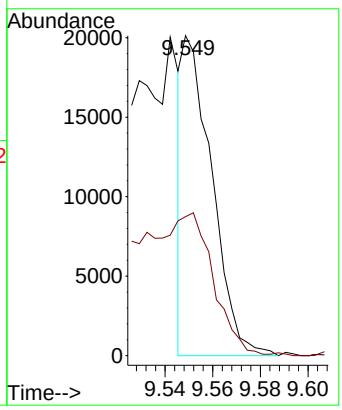


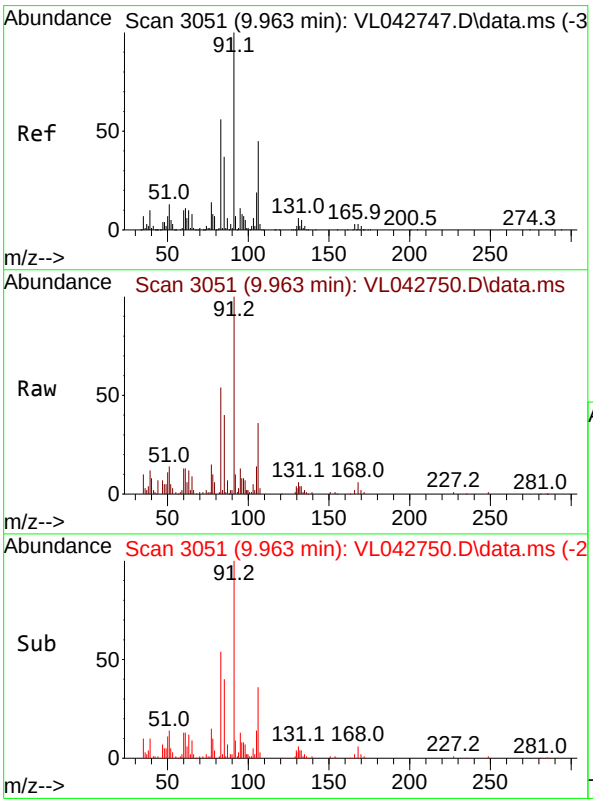
#59
m/p-Xylene
Concen: 0.332 ppbv
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 17145

Ion	Ratio	Lower	Upper
91	100		
106	123.2	37.4	56.2#

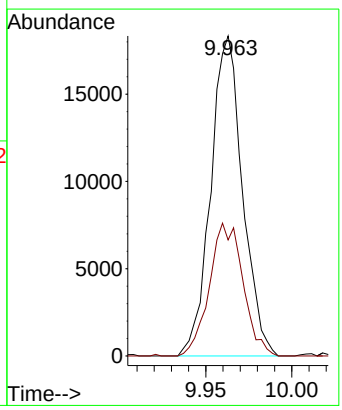


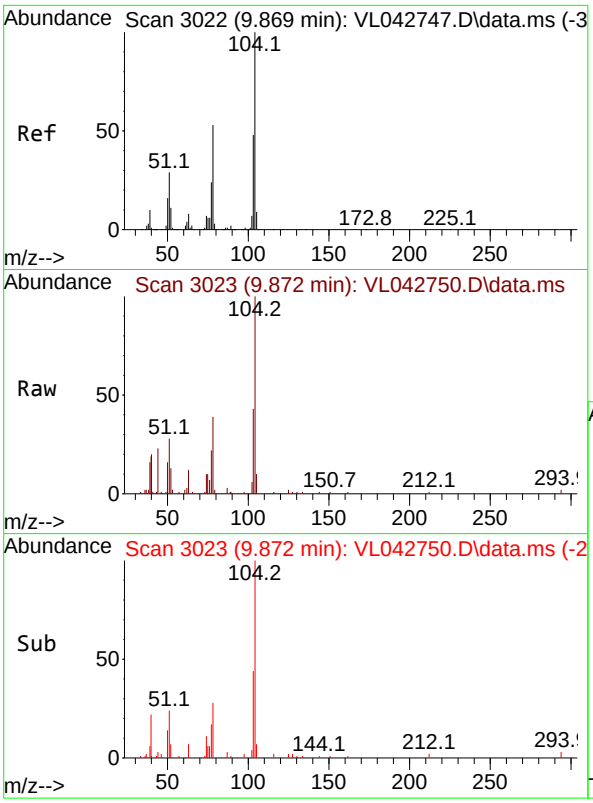


#60
o-Xylene
Concen: 0.458 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 23603

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.0	66.0



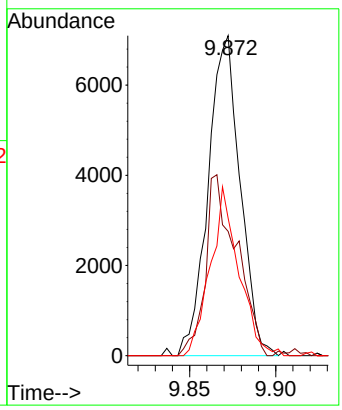


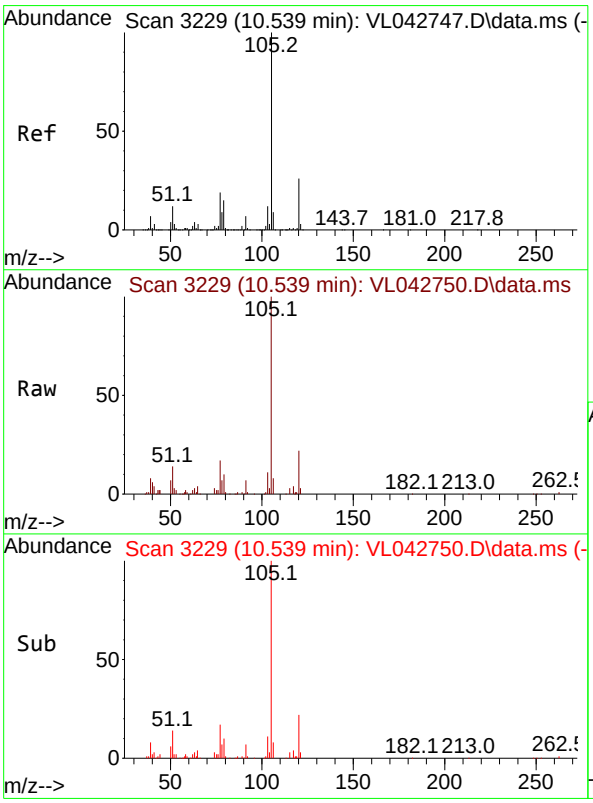
#61
Styrene
Concen: 0.424 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 9195

Ion	Ratio	Lower	Upper
104	100		
78	55.8	41.5	62.3
103	47.0	37.5	56.3

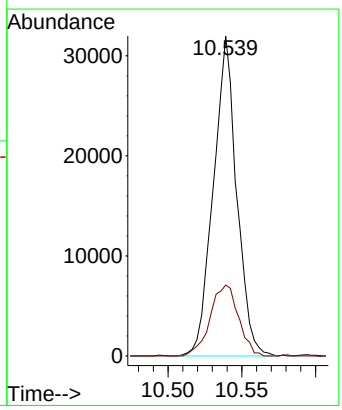


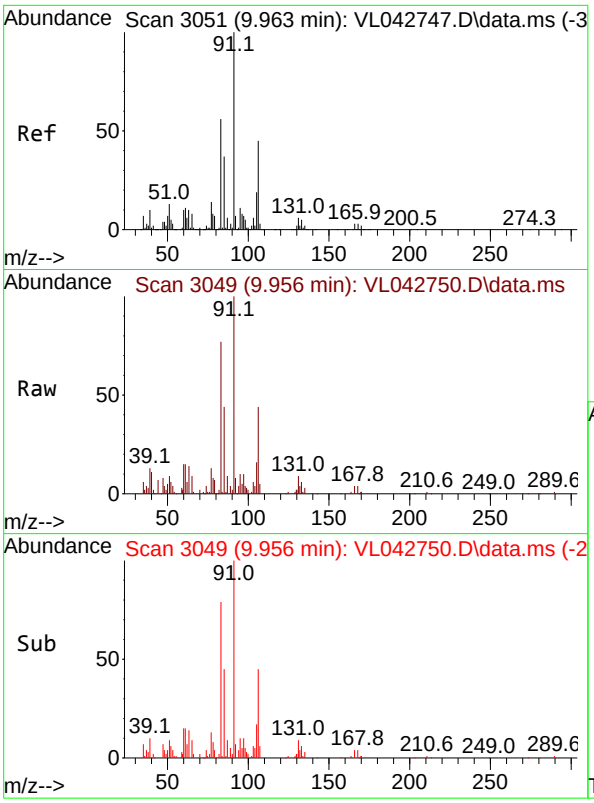


#62
Isopropylbenzene
Concen: 0.463 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 35189

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.5	30.7



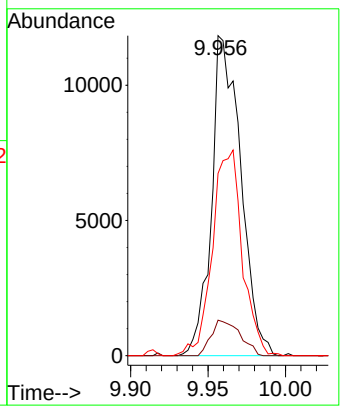


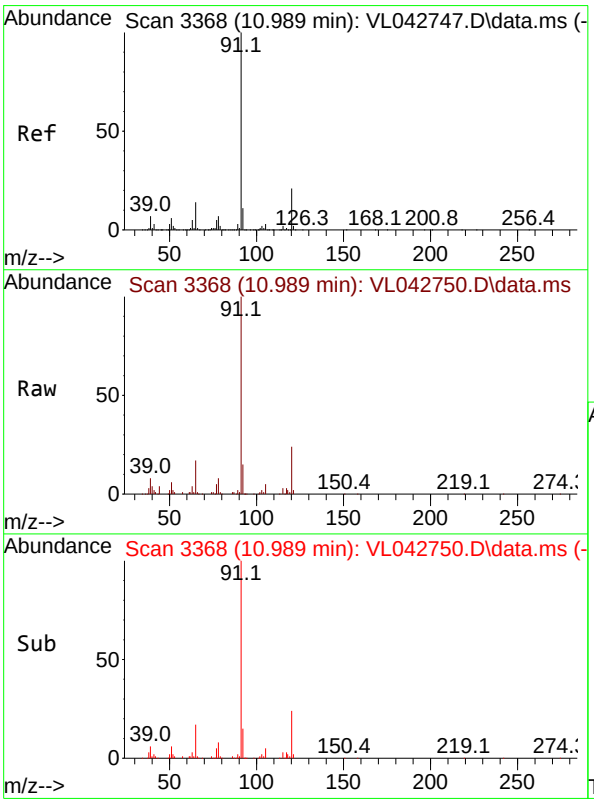
#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 15544

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	15.0
85	66.1	32.6	97.7

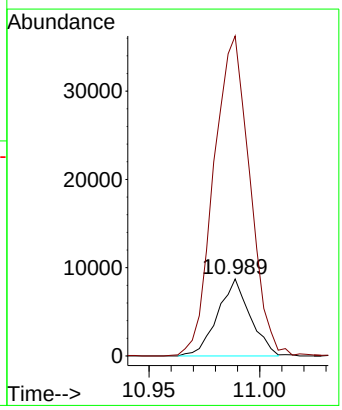


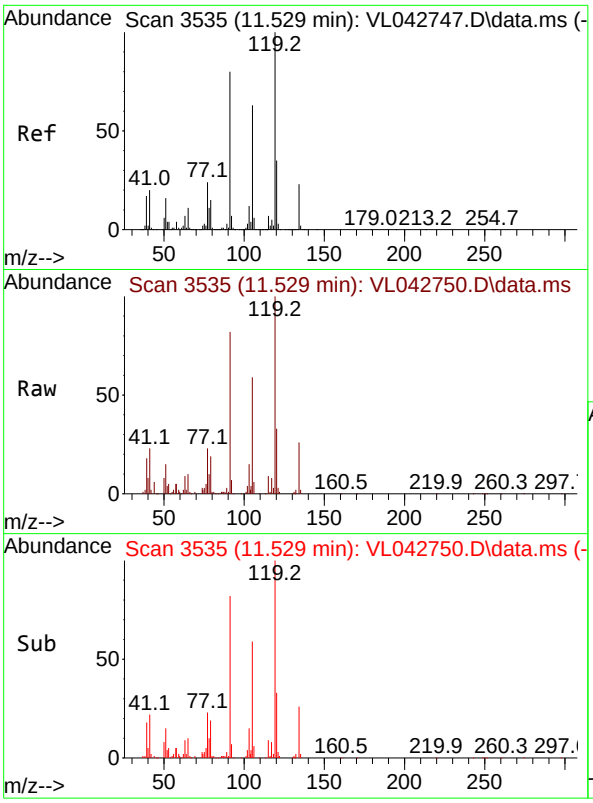


#64
n-propylbenzene
Concen: 0.450 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:120 Resp: 8924

Ion	Ratio	Lower	Upper
120	100		
91	464.1	372.7	559.1



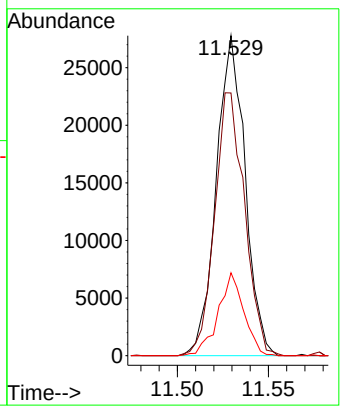


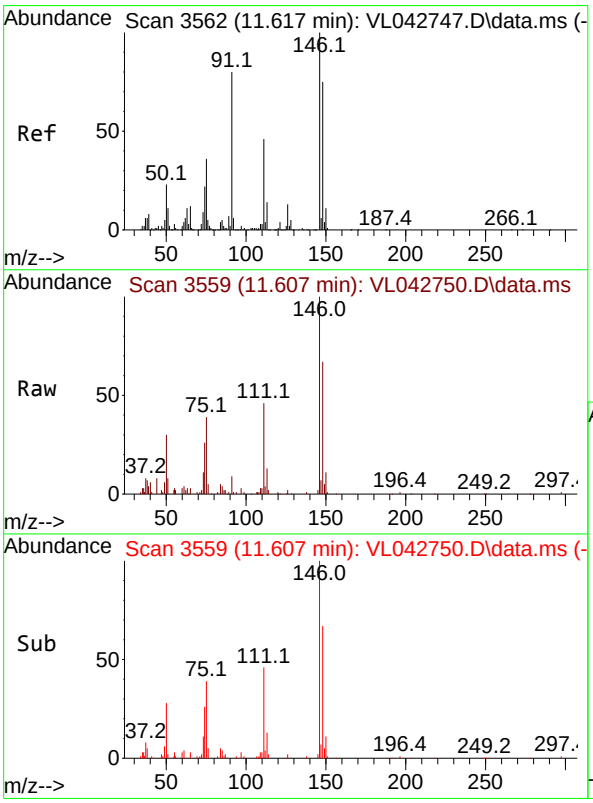
#65
tert-Butylbenzene
Concen: 0.453 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 30560

Ion	Ratio	Lower	Upper
119	100		
91	85.1	64.0	96.0
134	23.1	17.3	25.9

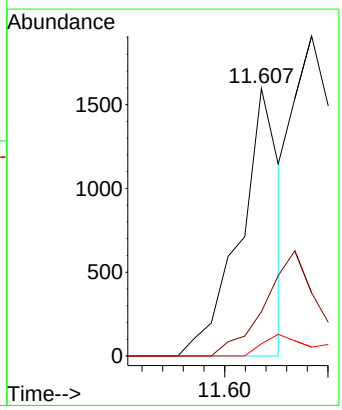


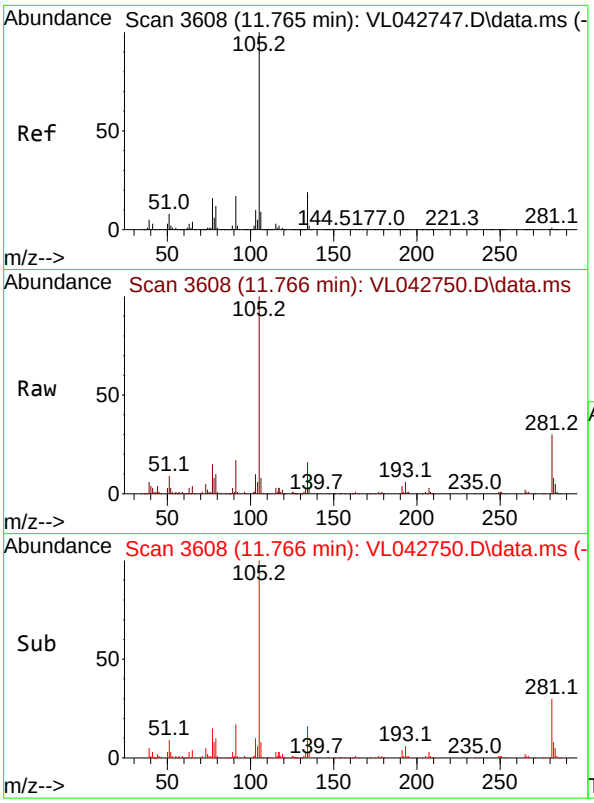


#66
Benzyl Chloride
Concen: 0.152 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.009 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 845

Ion	Ratio	Lower	Upper
91	100		
126	57.4	14.4	21.6#
128	15.5	5.2	7.8#



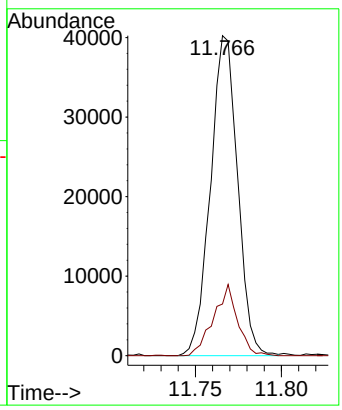


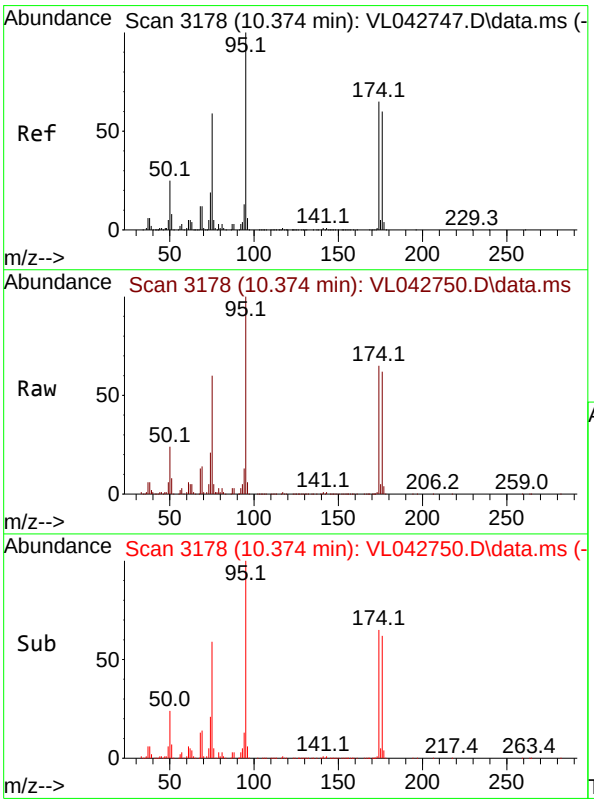
#67
sec-Butylbenzene
Concen: 0.460 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 44169

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3

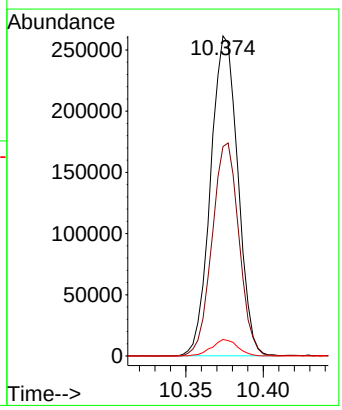


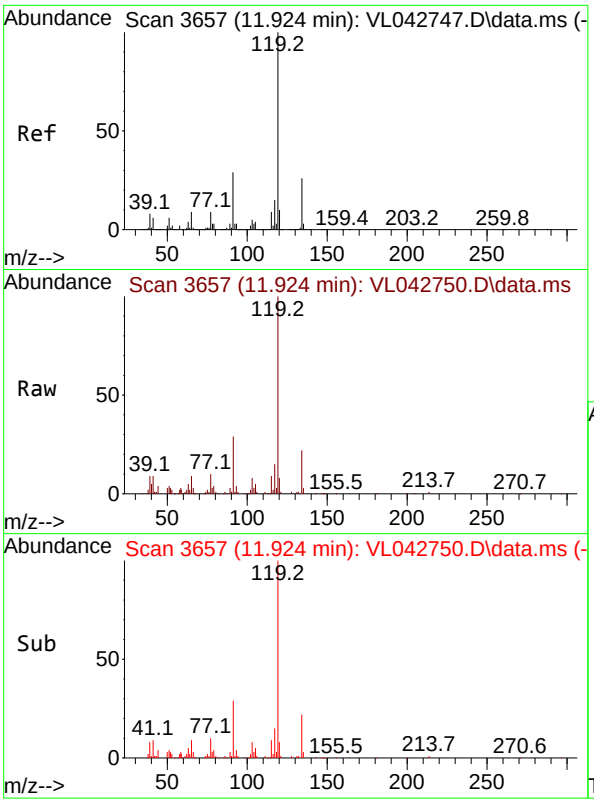


#68
1-Bromo-4-Fluorobenzene
Concen: 9.869 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 95 Resp: 319353

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	4.9	4.0	6.0



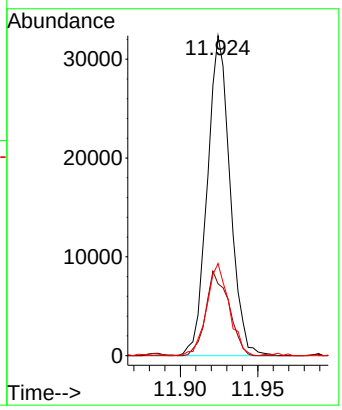


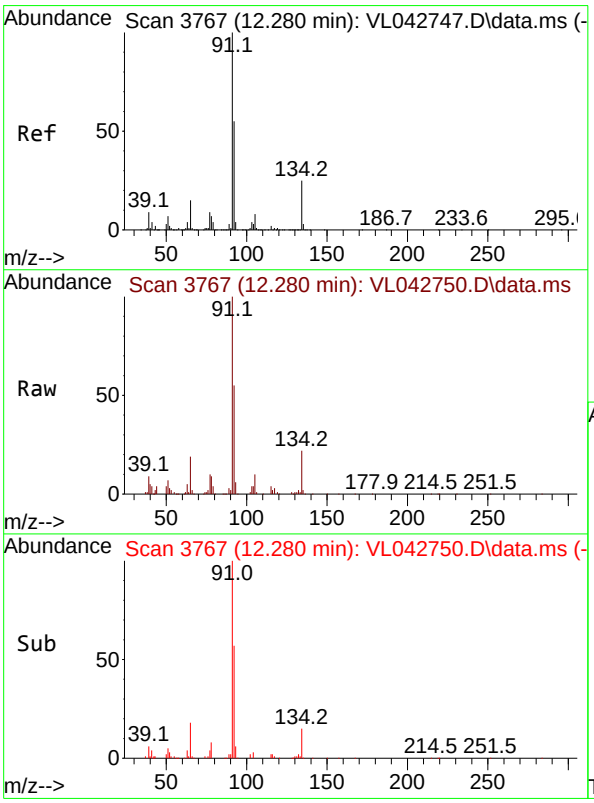
#69
p-Isopropyltoluene
Concen: 0.423 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 33104

Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.6	31.0
91	28.8	23.2	34.8

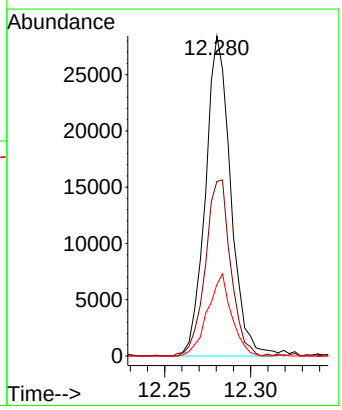


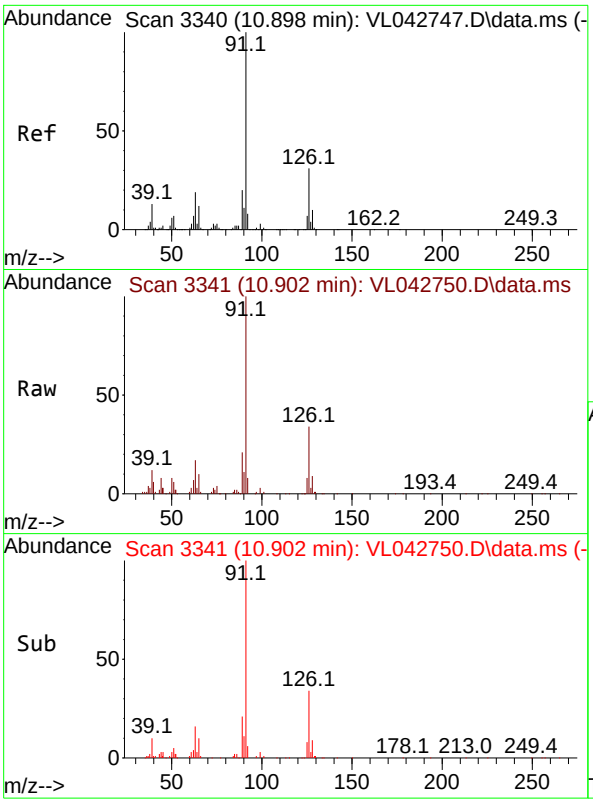


#70
n-Butylbenzene
Concen: 0.384 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 91 Resp: 29048

Ion	Ratio	Lower	Upper
91	100		
92	55.5	43.4	65.2
134	24.3	19.6	29.4



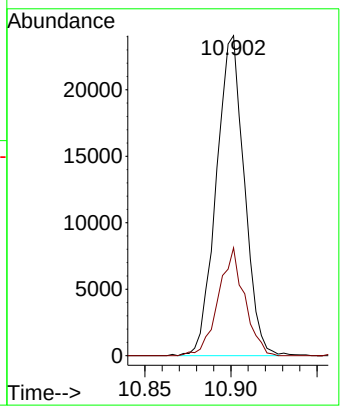


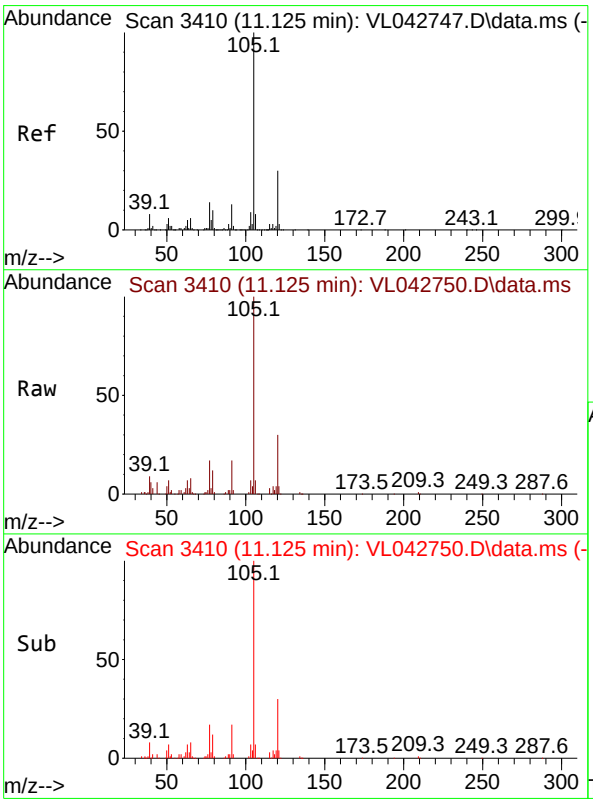
#71
2-Chlorotoluene
Concen: 0.466 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 27184

Ion	Ratio	Lower	Upper
91	100		
126	31.7	12.0	48.2

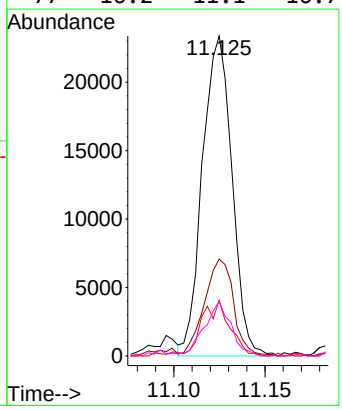


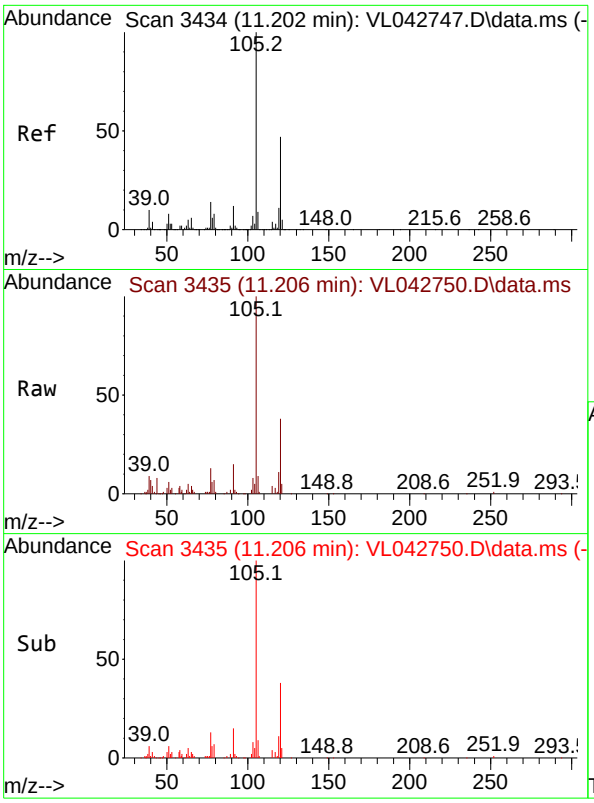


#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 26395

Ion	Ratio	Lower	Upper
105	100		
120	31.6	24.4	36.6
91	17.0	10.6	15.8#
77	16.2	11.1	16.7



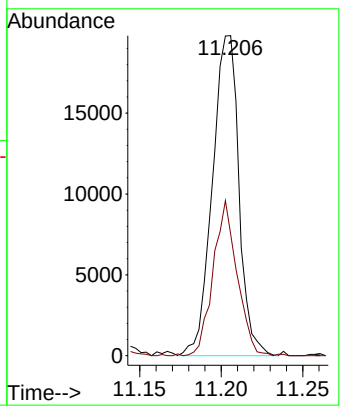


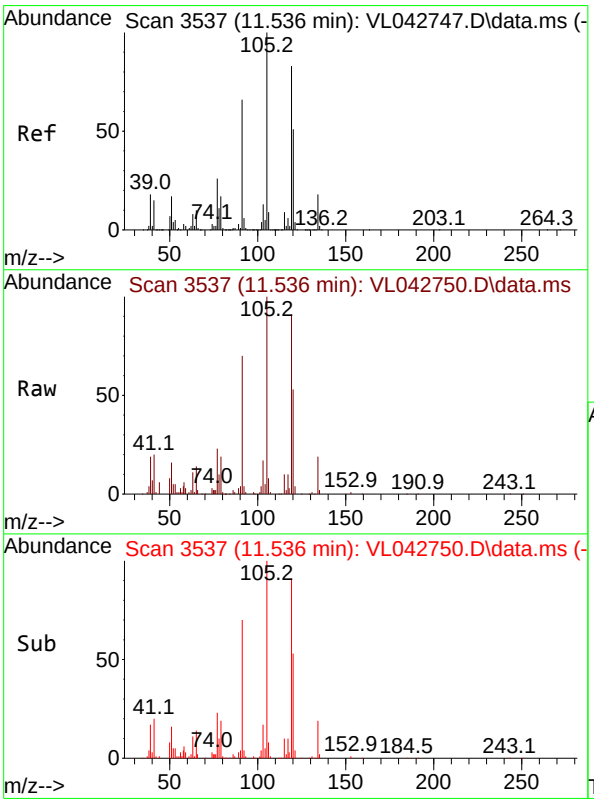
#73
1,3,5-Trimethylbenzene
Concen: 0.442 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 22392

Ion	Ratio	Lower	Upper
105	100		
120	37.5	37.8	56.8#

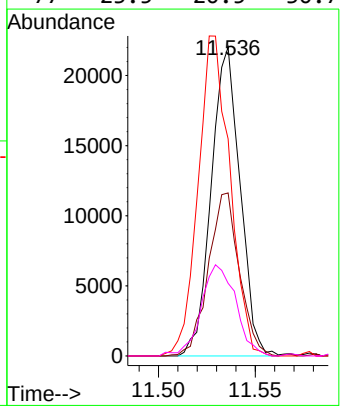


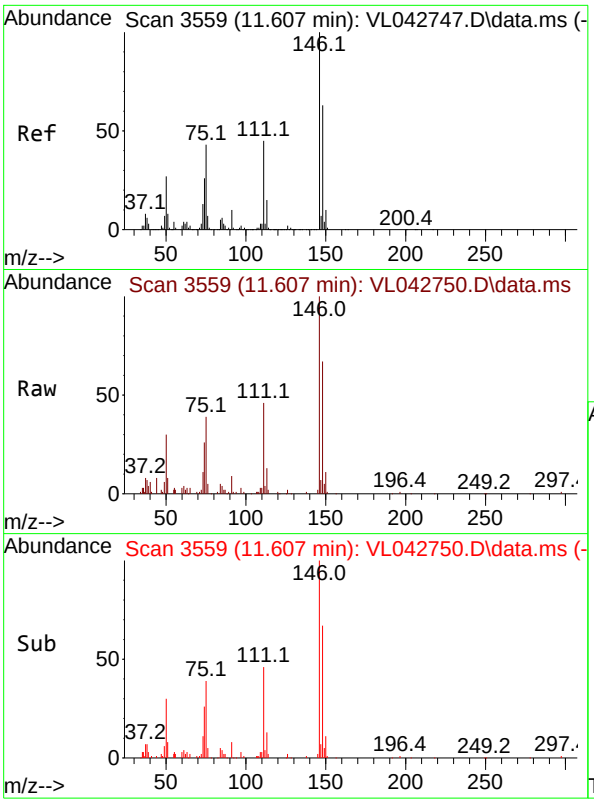


#74
1,2,4-Trimethylbenzene
Concen: 0.412 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 22772

Ion	Ratio	Lower	Upper
105	100		
120	52.7	40.8	61.2
91	70.3	53.0	79.4
77	23.5	20.5	30.7



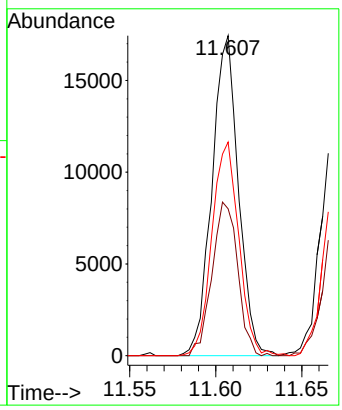


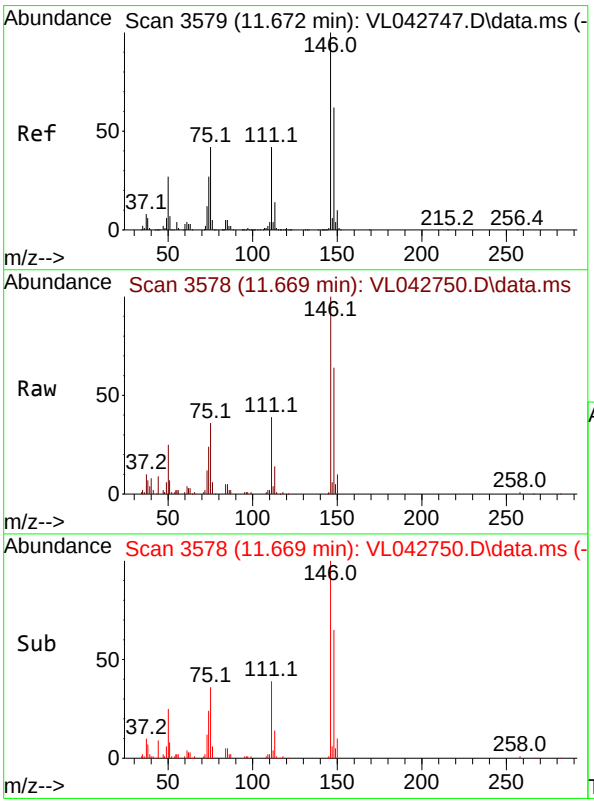
#75
1,3-Dichlorobenzene
Concen: 0.482 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 18680

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.7	68.0
148	67.7	31.9	95.5

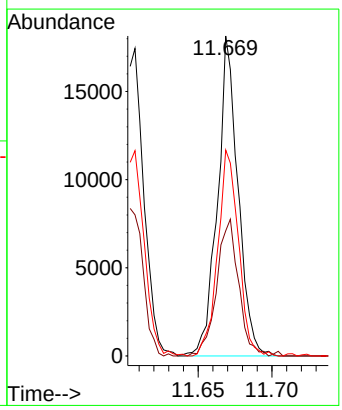


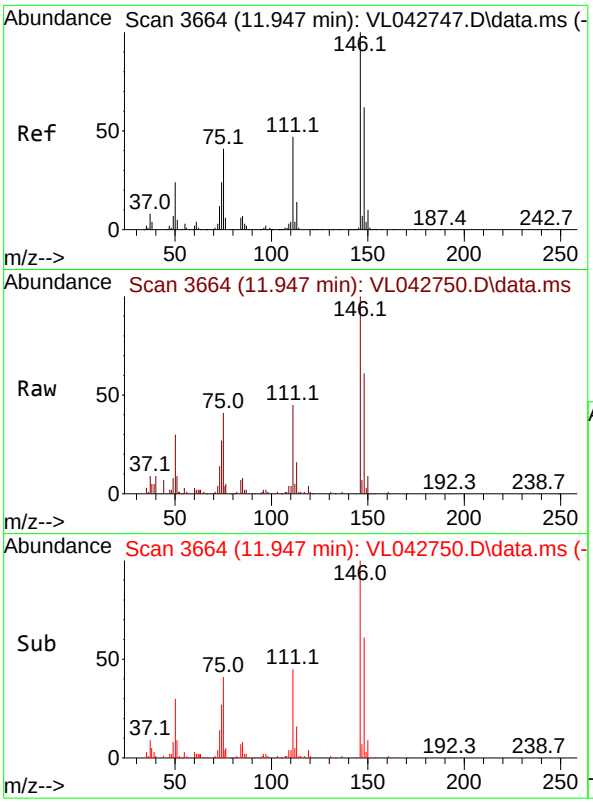


#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 17616

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	65.4	32.1	96.3



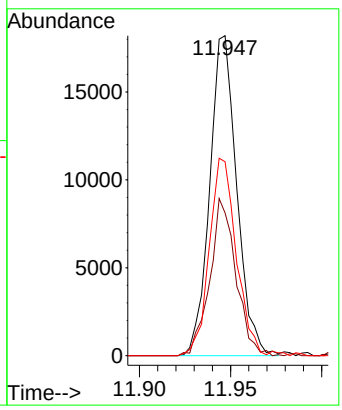


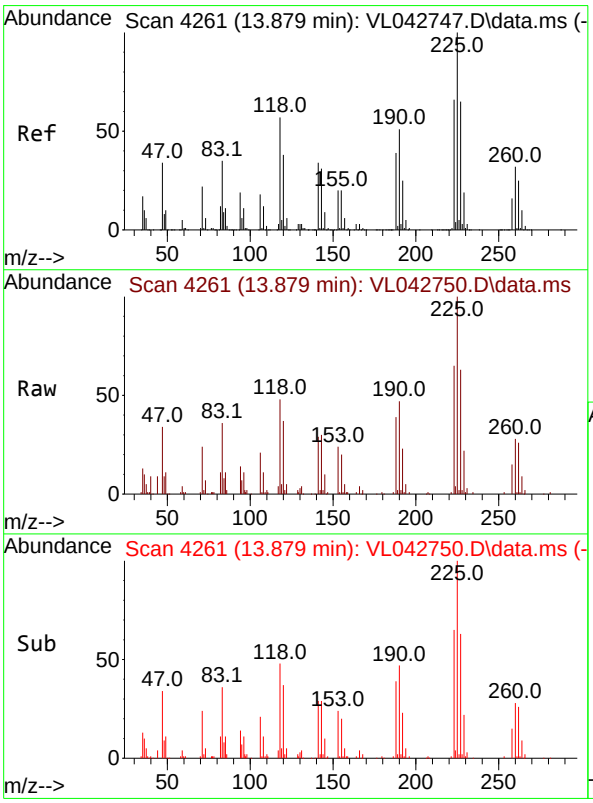
#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 18799

Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.7	71.1
148	62.3	32.6	97.7

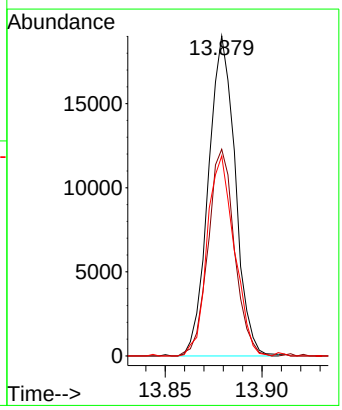


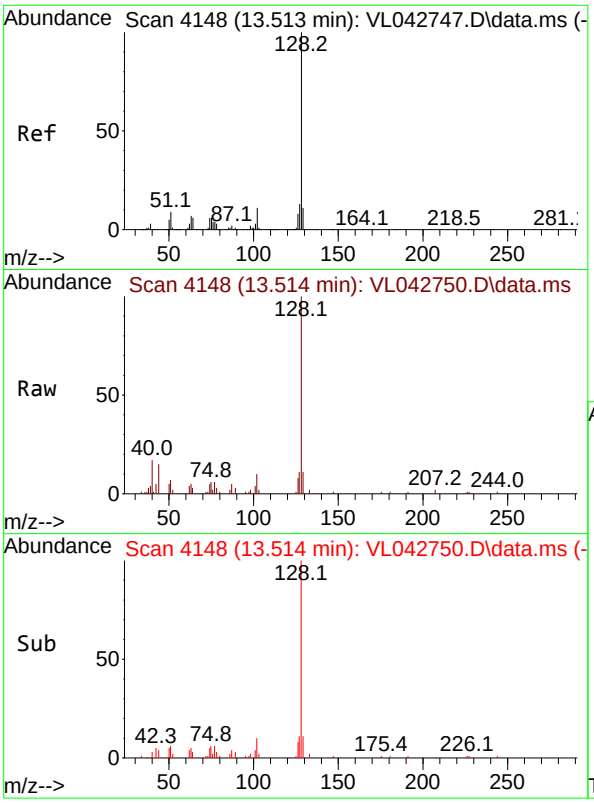


#78
Hexachloro-1,3-Butadiene
Concen: 0.532 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:225 Resp: 18330

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.7	76.1
227	63.7	50.5	75.7



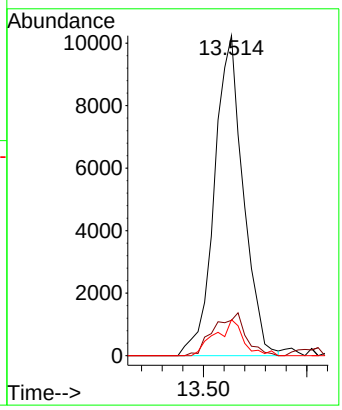


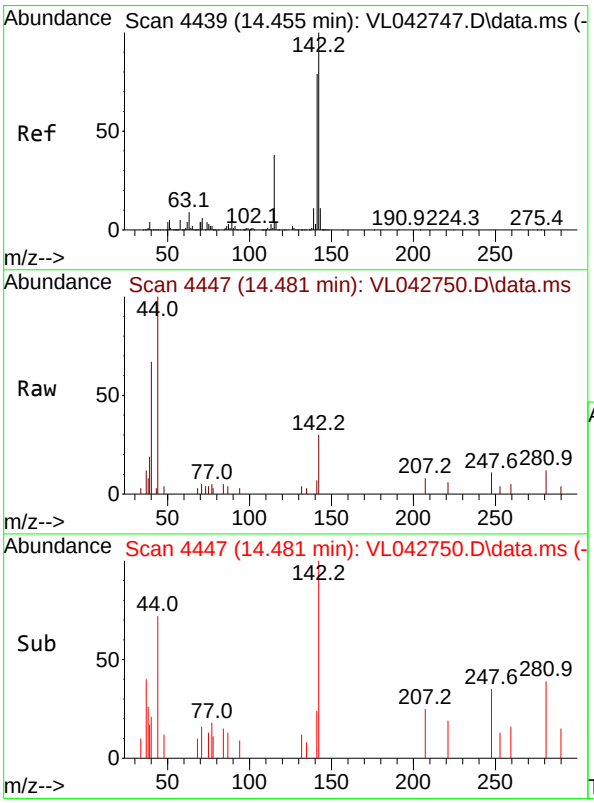
#79
Naphthalene
Concen: 0.592 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 9916

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.2	8.6	13.0

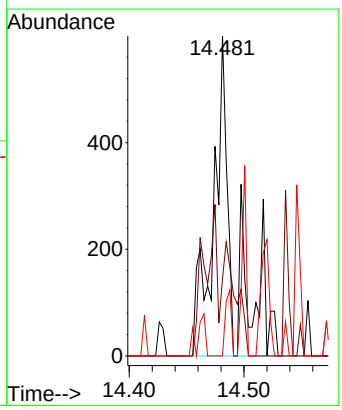


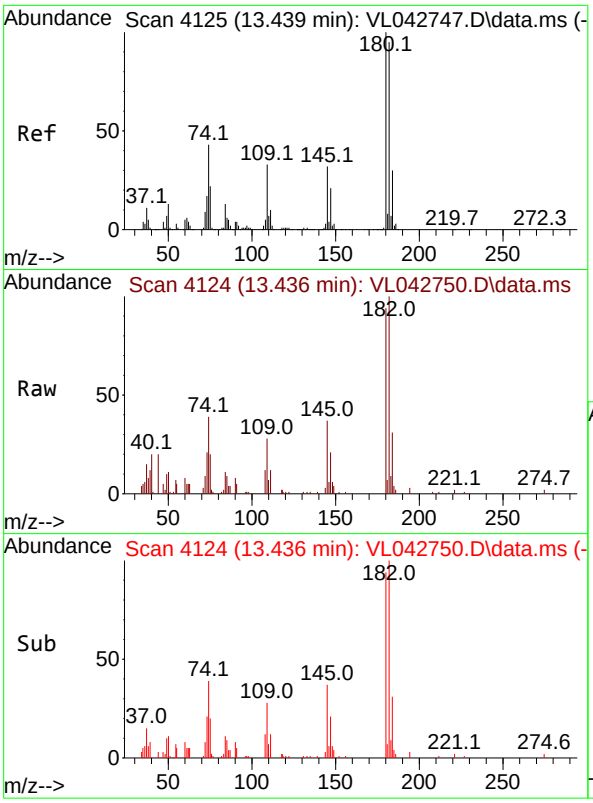


#80
Naphthalene,2-methyl-
Concen: 1.148 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.026 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:142 Resp: 731

Ion	Ratio	Lower	Upper
142	100		
141	54.6	65.8	98.8#
115	5.2	31.2	46.8#



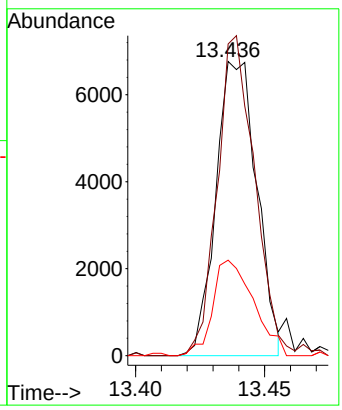


#81
1,2,4-Trichlorobenzene
Concen: 0.645 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 7453

Ion	Ratio	Lower	Upper
180	100		
182	100.9	76.2	114.2
184	33.0	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	151834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	432802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	387541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	302164	9.845	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	753	0.038	ppbv	96
3) Chlorodifluoromethane	1.822	51	331	0.013	ppbv	100
4) Chloromethane	1.531	50	432	0.053	ppbv #	35
5) Vinyl Chloride	1.580	62	376	0.047	ppbv #	68
6) Bromomethane	1.660	94	181	0.058	ppbv #	51
7) Chloroethane	1.703	64	125	0.040	ppbv #	72
8) Dichlorotetrafluoroethane	1.554	85	753	0.046	ppbv	98
9) Propene	1.411	41	190	0.020	ppbv	89
10) Heptane	4.978	43	121	0.005	ppbv #	27
11) Trichlorofluoromethane	1.877	101	936	0.045	ppbv #	76
12) 1,1,2-Trichlorotrifluo...	2.140	101	345	0.022	ppbv #	8
13) Ethanol	1.887	45	511	Below Cal	#	1
14) Bromoethene	1.777	108	156	0.028	ppbv #	1
15) Acetone	1.832	43	2557	0.122	ppbv	91
16) 1,3-Butadiene	1.605	39	502	0.056	ppbv #	8
17) tert-Butyl alcohol	2.042	59	782	0.041	ppbv #	72
18) 1,1-Dichloroethene	2.033	96	312	0.044	ppbv #	57
19) Isopropyl Alcohol	1.887	45	511	0.046	ppbv	98
20) Methylene Chloride	2.059	84	1607	0.243	ppbv #	86
21) Allyl Chloride	2.094	41	856	0.066	ppbv #	28
22) trans-1,2-Dichloroethene	2.337	96	263	0.034	ppbv #	50
23) Vinyl Acetate	2.460	43	1410	0.055	ppbv #	62
24) 1,1-Dichloroethane	2.405	63	715	0.046	ppbv #	94
25) Ethyl Acetate	2.832	43	1085	0.023	ppbv #	65
26) Hexane	2.819	57	704	0.035	ppbv #	1
27) Carbon Disulfide	2.146	76	605	0.035	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	249	0.026	ppbv #	1
29) Chloroform	2.842	83	1324	0.042	ppbv	92
30) Cyclohexane	3.852	84	115	0.007	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	527	0.025	ppbv #	79
32) 1,1,1-Trichloroethane	3.353	97	302	0.009	ppbv #	1
34) 2-Butanone	2.557	43	1423	0.046	ppbv	96
35) Carbon Tetrachloride	3.755	117	427	0.013	ppbv #	43
36) Benzene	3.645	78	1657	0.040	ppbv #	84
37) 1,2-Dichloroethane	3.214	62	902	0.037	ppbv #	81
38) Trichloroethene	4.535	130	438	0.022	ppbv #	24
39) 1,2-Dichloropropane	3.949	63	109883	7.257	ppbv #	21
40) 1,4-Dioxane	4.541	88	32	0.004	ppbv #	1
41) Tetrahydrofuran	3.039	42	84	0.005	ppbv #	38
42) Bromodichloromethane	4.470	83	390	0.012	ppbv #	26
43) Methyl Methacrylate	4.862	69	32	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.628	57	714	0.011	ppbv #	1
45) t-1,3-Dichloropropene	6.392	75	252	0.015	ppbv #	77

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

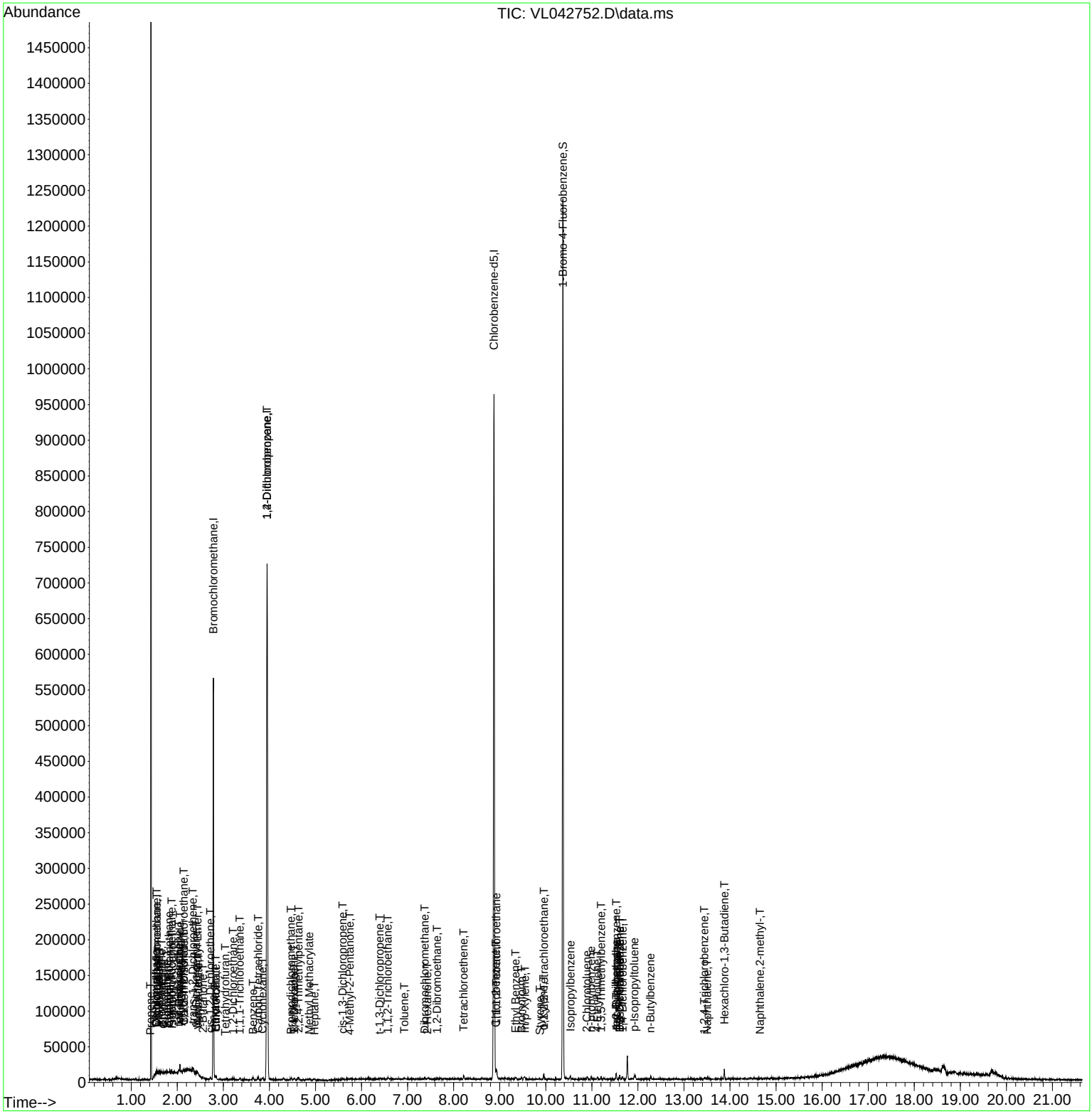
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	259	0.012	ppbv	#	26
47) 1,1,2-Trichloroethane	6.570	97	226	0.014	ppbv	#	34
48) Dibromochloromethane	7.370	129	206	0.008	ppbv	#	1
49) Bromoform	9.470	173	346	0.015	ppbv	#	31
50) 4-Methyl-2-Pentanone	5.742	43	157	0.004	ppbv	#	40
51) 2-Hexanone	7.428	43	72	0.002	ppbv	#	30
52) Tetrachloroethene	8.215	164	317	0.019	ppbv	#	35
53) Toluene	6.926	91	832	0.019	ppbv	#	21
54) 1,2-Dibromoethane	7.635	107	155	0.007	ppbv		87
56) 1,1,1,2-Tetrachloroethane	8.924	131	471	0.023	ppbv	#	1
57) Chlorobenzene	8.914	112	852	0.023	ppbv	#	48
58) Ethyl Benzene	9.344	91	837	0.014	ppbv		90
59) m/p-Xylene	9.548	91	1097	0.022	ppbv	#	30
60) o-Xylene	9.953	91	1440	0.029	ppbv		95
61) Styrene	9.872	104	373	0.018	ppbv	#	58
62) Isopropylbenzene	10.535	105	1137	0.016	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	9.959	83	685	0.022	ppbv	#	57
64) n-propylbenzene	10.985	120	465	0.025	ppbv		78
65) tert-Butylbenzene	11.526	119	1786	0.028	ppbv	#	92
66) Benzyl Chloride	11.600	91	118	0.022	ppbv	#	61
67) sec-Butylbenzene	11.529	105	1421	0.016	ppbv		96
69) p-Isopropyltoluene	11.921	119	1420	0.019	ppbv	#	78
70) n-Butylbenzene	12.273	91	591	0.008	ppbv	#	24
71) 2-Chlorotoluene	10.895	91	547	0.010	ppbv	#	45
72) 4-Ethyltoluene	11.118	105	1098	0.019	ppbv	#	78
73) 1,3,5-Trimethylbenzene	11.202	105	1204	0.025	ppbv		96
74) 1,2,4-Trimethylbenzene	11.529	105	1421	0.027	ppbv		88
75) 1,3-Dichlorobenzene	11.600	146	1122	0.031	ppbv		86
76) 1,4-Dichlorobenzene	11.668	146	658	0.018	ppbv	#	71
77) 1,2-Dichlorobenzene	11.600	146	1122	0.031	ppbv		89
78) Hexachloro-1,3-Butadiene	13.876	225	1559	0.048	ppbv	#	86
79) Naphthalene	13.503	128	126	0.436	ppbv	#	69
80) Naphthalene,2-methyl-	14.649	142	15	1.127	ppbv	#	23
81) 1,2,4-Trichlorobenzene	13.439	180	170	0.438	ppbv	#	1

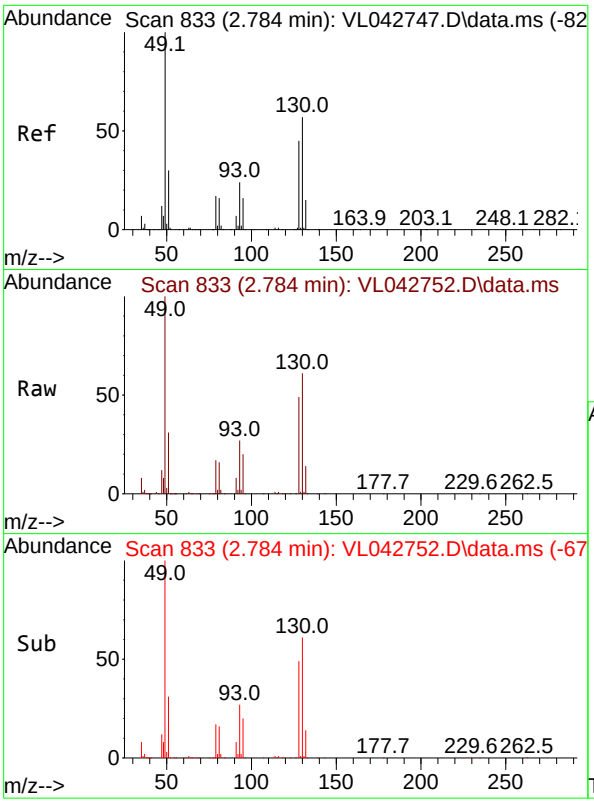
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042752.D
Acq On : 23 Jul 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 24 04:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



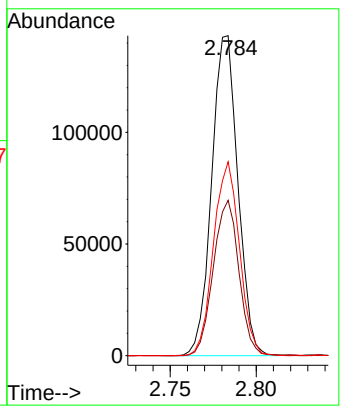


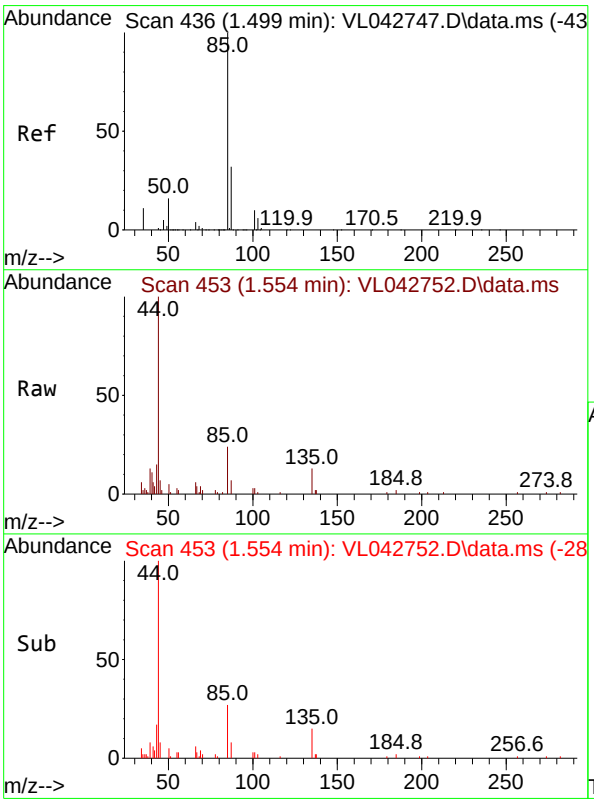
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 151834

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.6	71.0
130	60.2	30.3	90.8

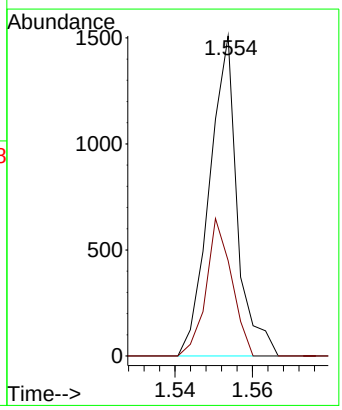


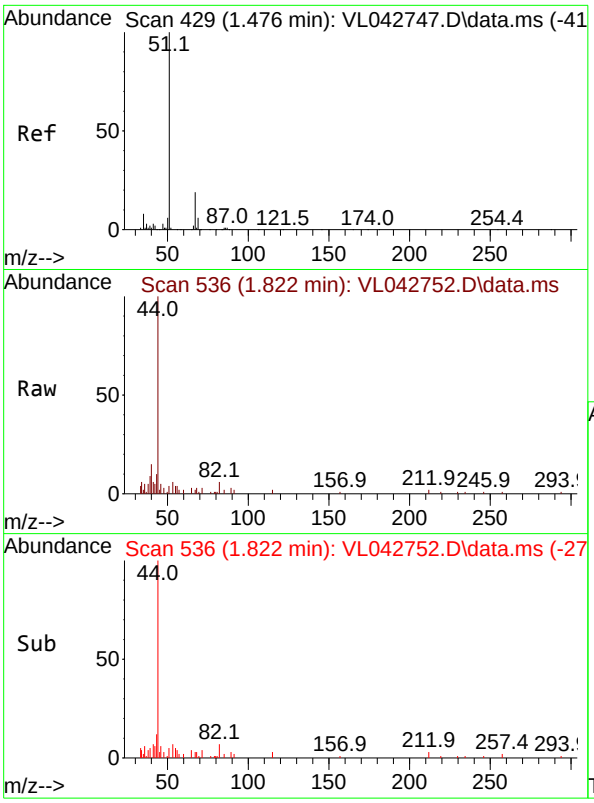


#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.055 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 85 Resp: 753

Ion	Ratio	Lower	Upper
85	100		
87	29.8	25.4	38.2



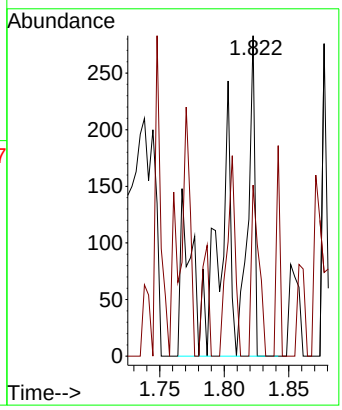


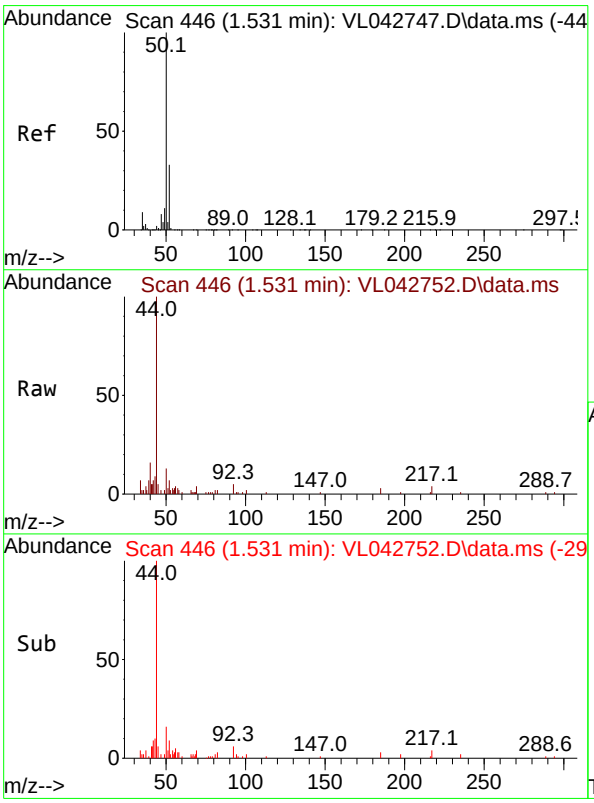
#3
Chlorodifluoromethane
Concen: 0.013 ppbv
RT: 1.822 min Scan# 5
Delta R.T. 0.346 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 331

Ion	Ratio	Lower	Upper
51	100		
67	18.7	15.0	22.6

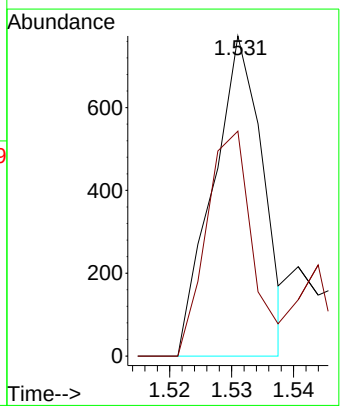


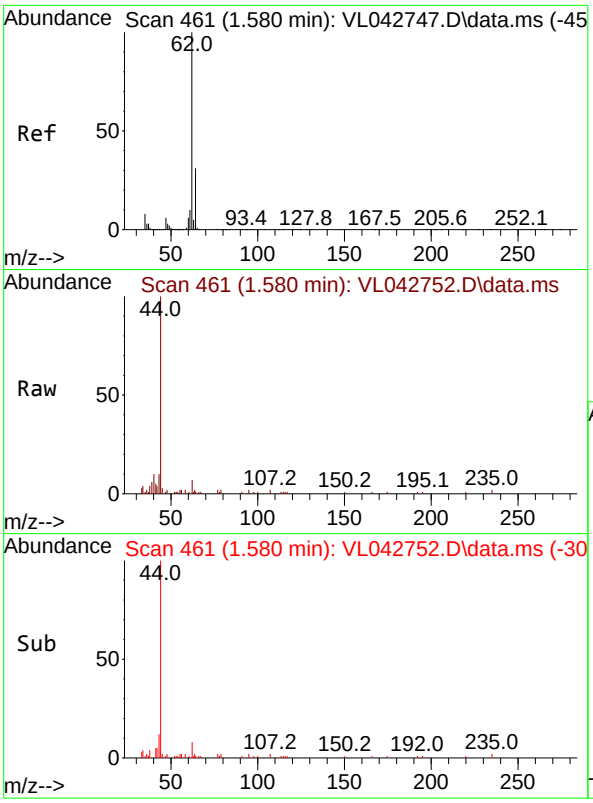


#4
Chloromethane
Concen: 0.053 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 50 Resp: 432

Ion	Ratio	Lower	Upper
50	100		
52	70.2	26.6	40.0#



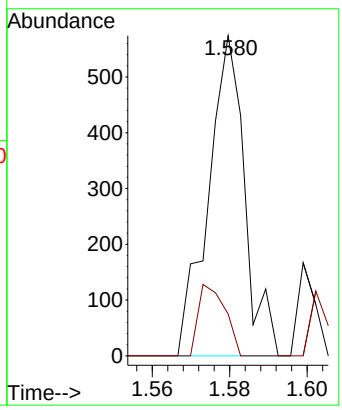


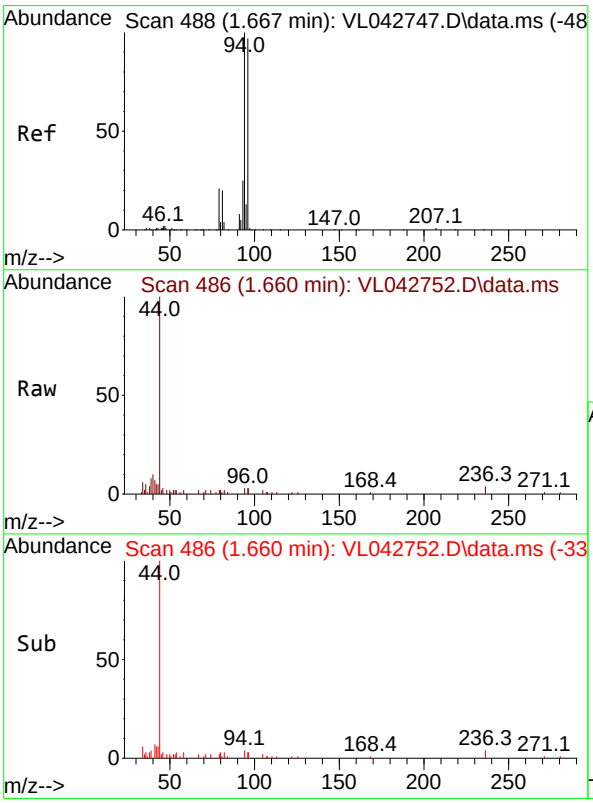
#5
Vinyl Chloride
Concen: 0.047 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 376

Ion	Ratio	Lower	Upper
62	100		
64	13.1	24.5	36.7#

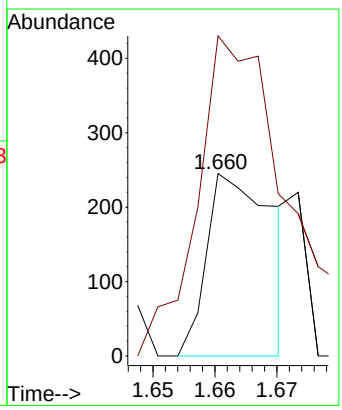


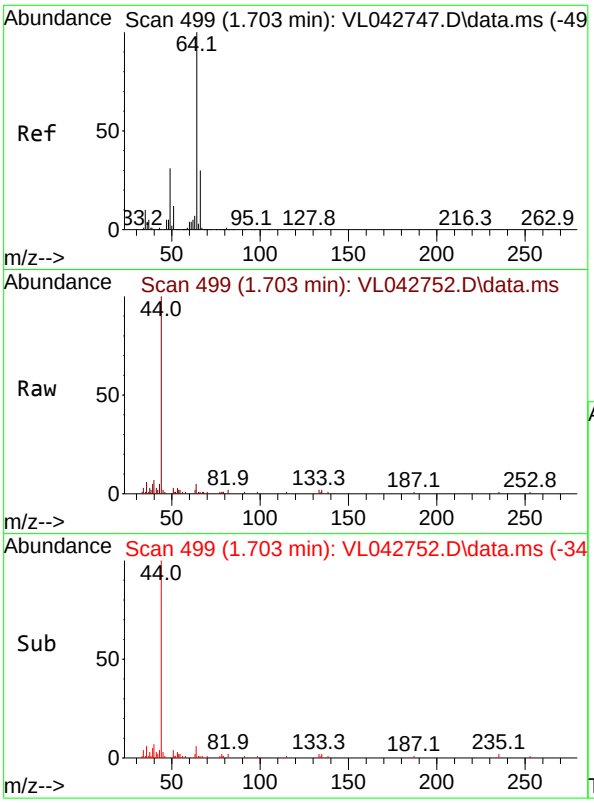


#6
Bromomethane
Concen: 0.058 ppbv
RT: 1.660 min Scan# 486
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 94 Resp: 181

Ion	Ratio	Lower	Upper
94	100		
96	144.9	77.6	116.4#



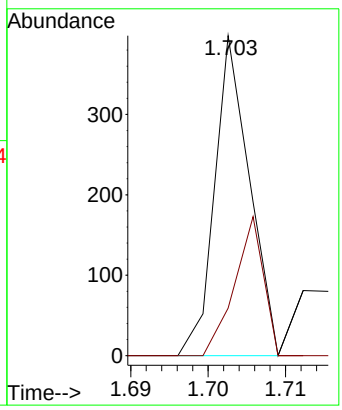


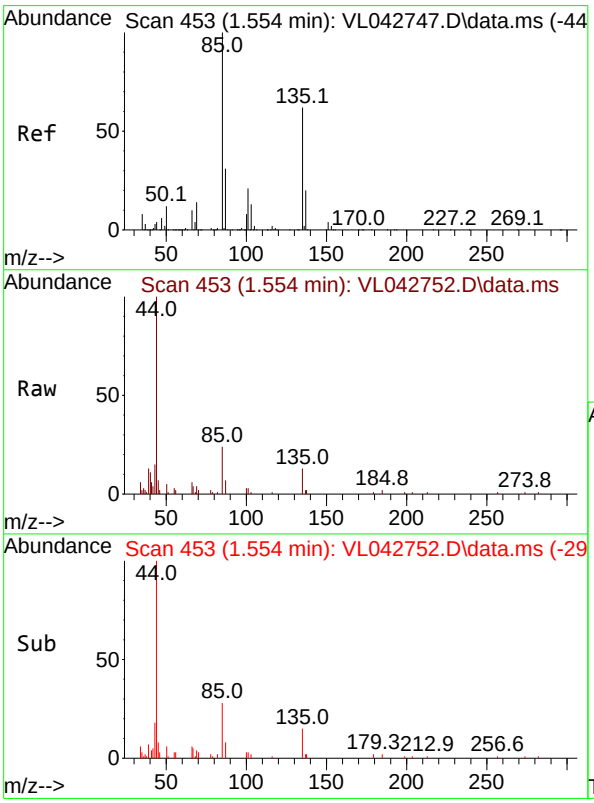
#7
Chloroethane
Concen: 0.040 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 125

Ion	Ratio	Lower	Upper
64	100		
66	14.8	24.1	36.1#

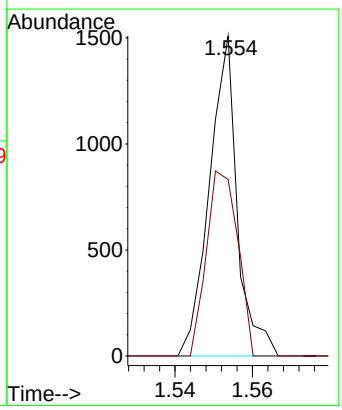


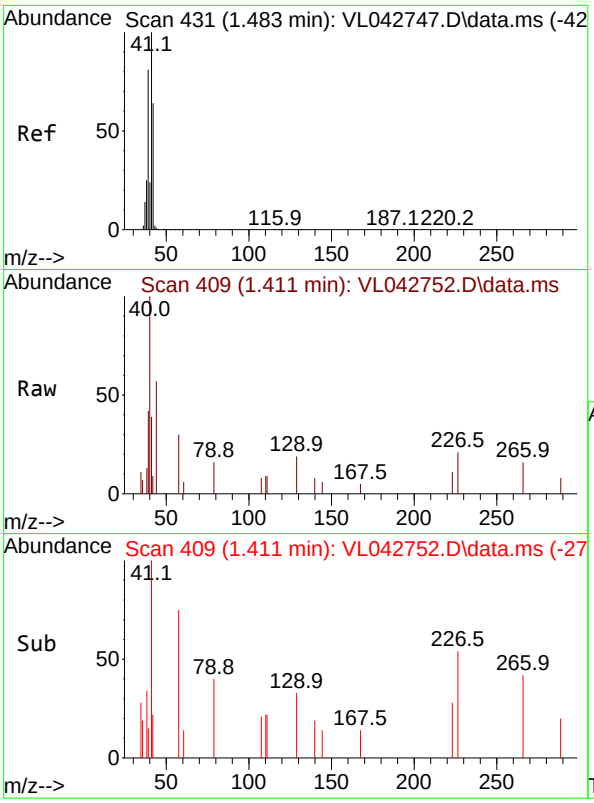


#8
Dichlorotetrafluoroethane
Concen: 0.046 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 85 Resp: 753

Ion	Ratio	Lower	Upper
85	100		
135	65.1	50.6	76.0



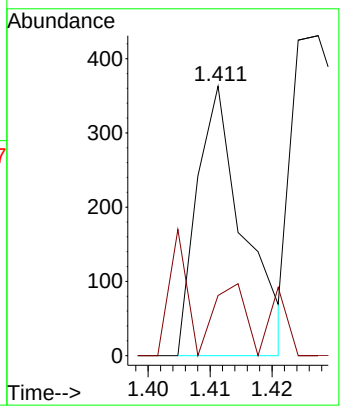


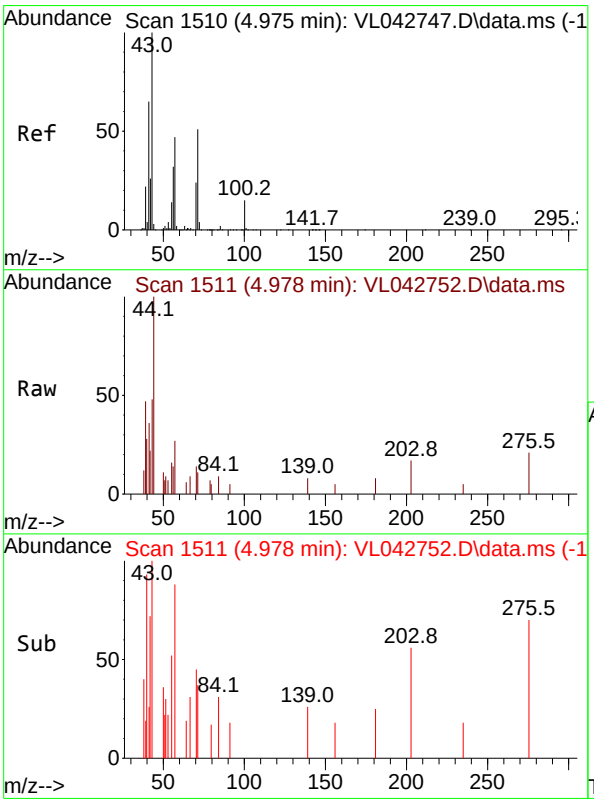
#9
Propene
Concen: 0.020 ppbv
RT: 1.411 min Scan# 4
Delta R.T. -0.071 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 190

Ion	Ratio	Lower	Upper
41	100		
42	57.9	53.2	79.8

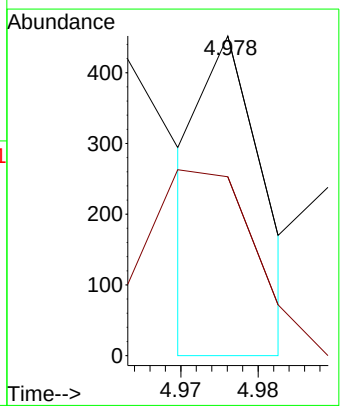


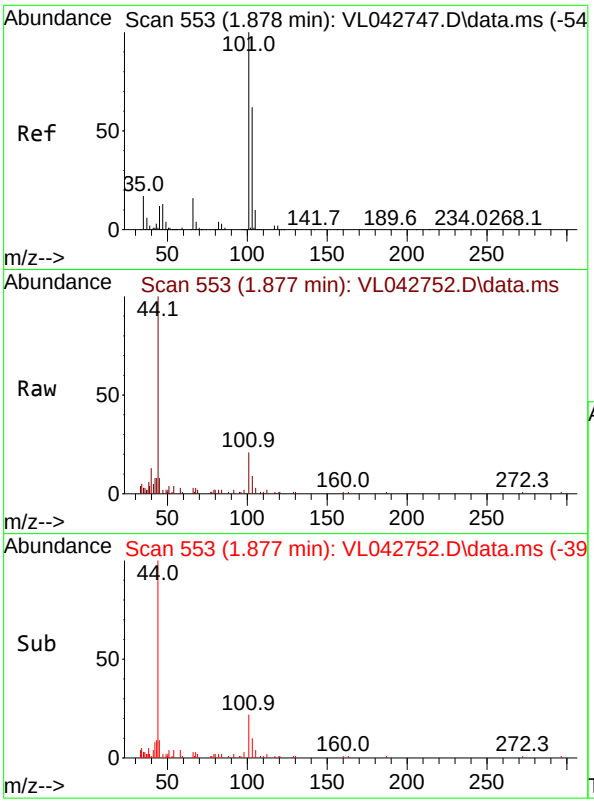


#10
Heptane
Concen: 0.005 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 121

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#



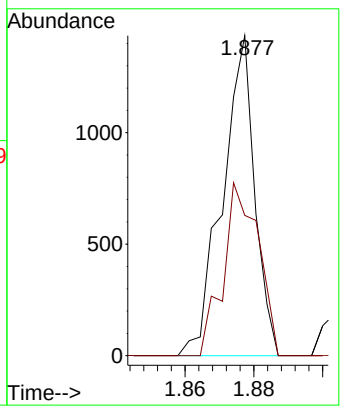


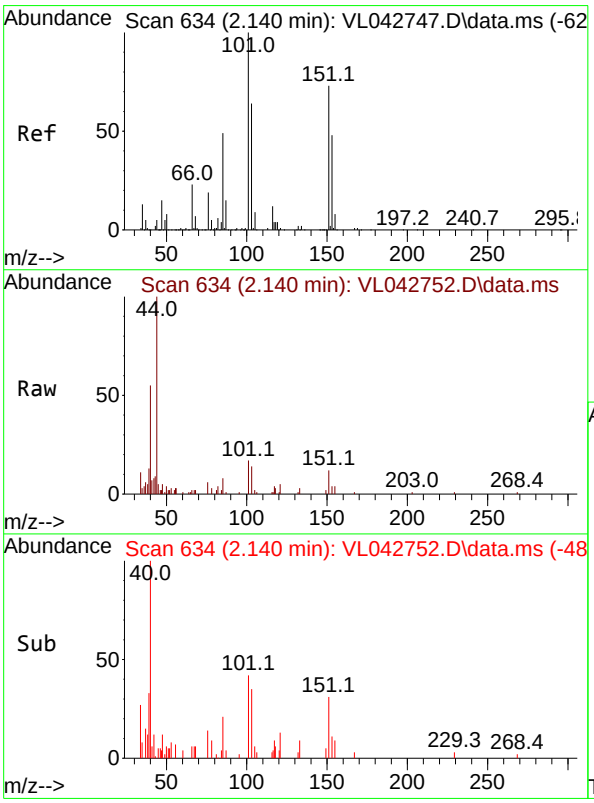
#11
Trichlorofluoromethane
Concen: 0.045 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 936

Ion	Ratio	Lower	Upper
101	100		
103	43.8	49.6	74.4#

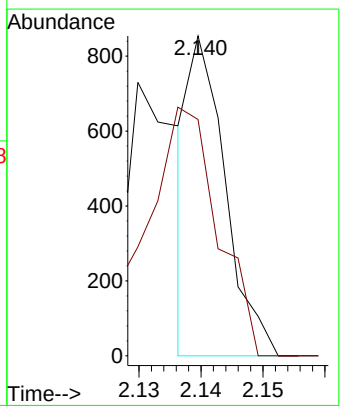


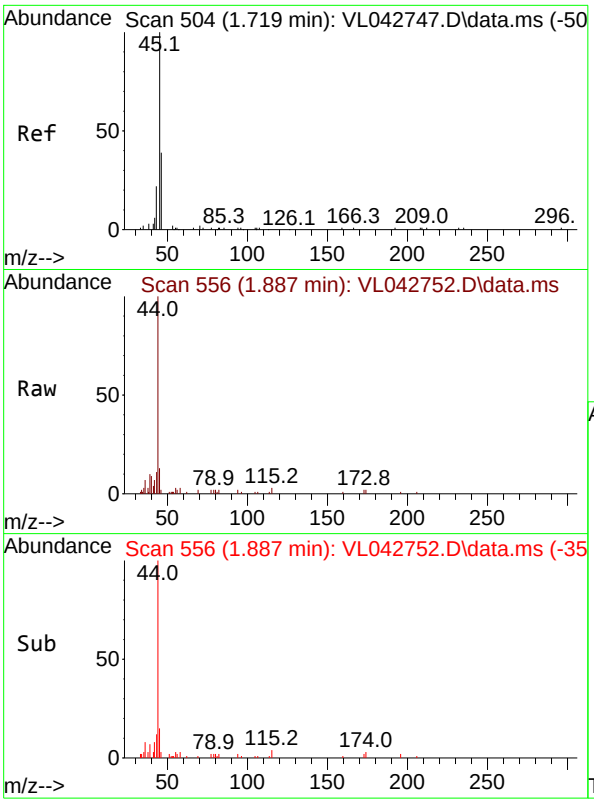


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.022 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:101 Resp: 345

Ion	Ratio	Lower	Upper
101	100		
151	154.5	60.5	90.7#



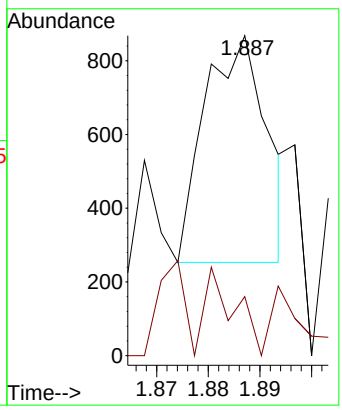


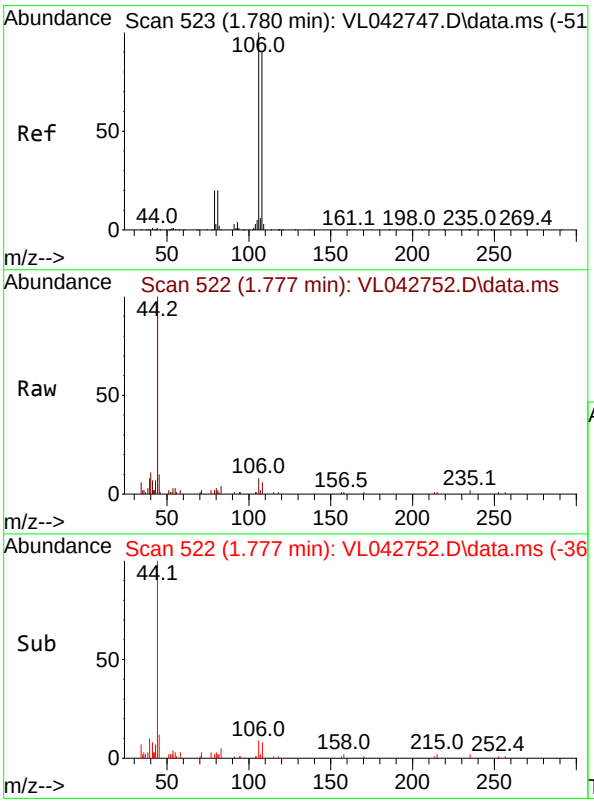
#13
Ethanol
Concen: Below Cal
RT: 1.887 min Scan# 5
Delta R.T. 0.168 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 511

Ion	Ratio	Lower	Upper
45	100		
46	146.4	17.8	71.4#

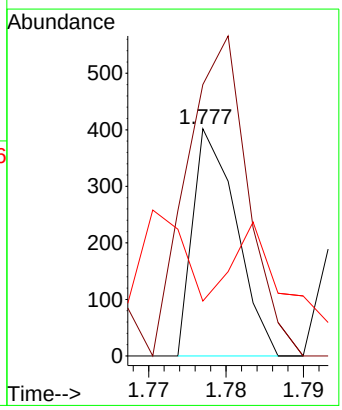


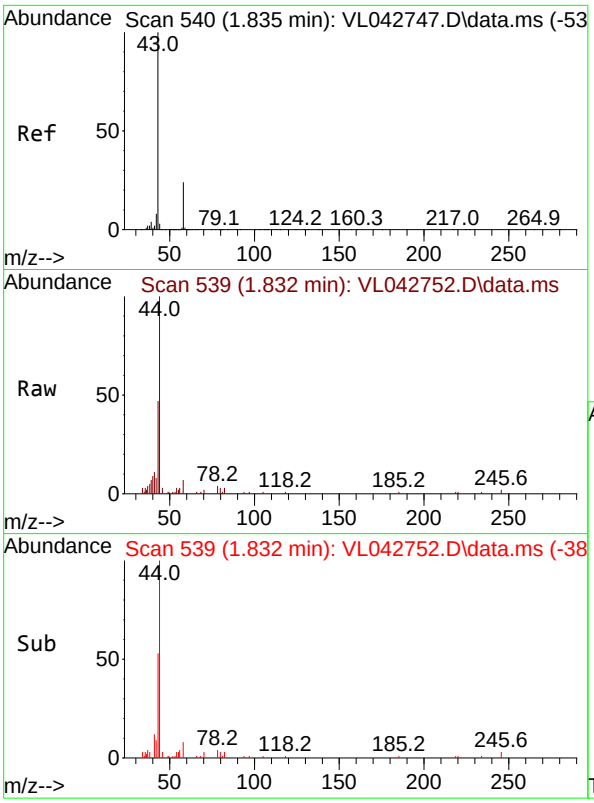


#14
Bromoethene
Concen: 0.028 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:108 Resp: 156

Ion	Ratio	Lower	Upper
108	100		
106	219.2	84.7	127.1#
79	223.7	17.4	26.2#



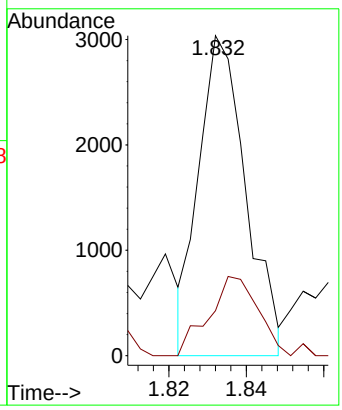


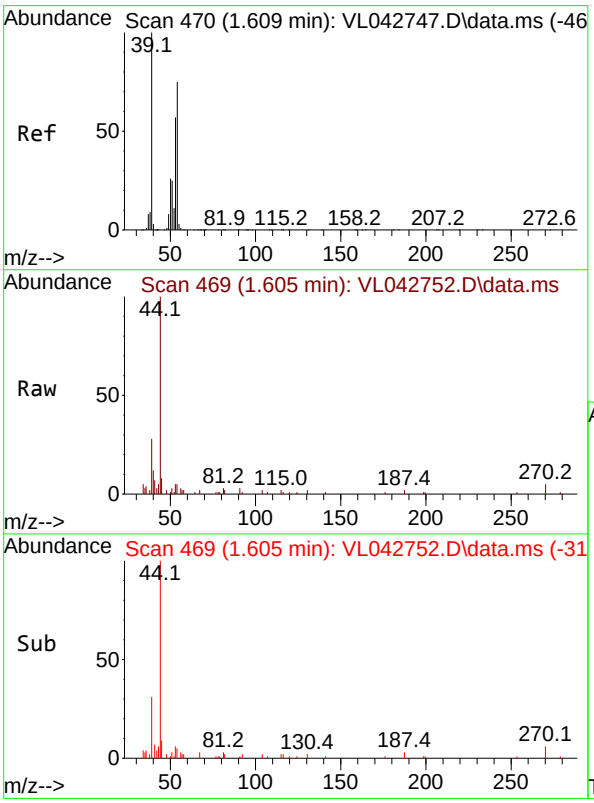
#15
Acetone
Concen: 0.122 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 2557

Ion	Ratio	Lower	Upper
43	100		
58	29.5	19.8	29.8

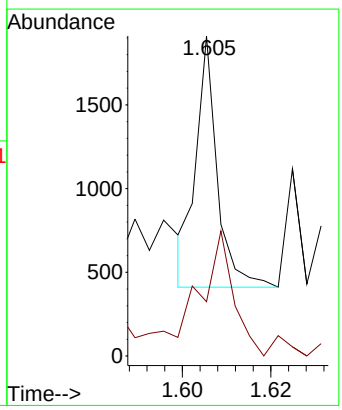


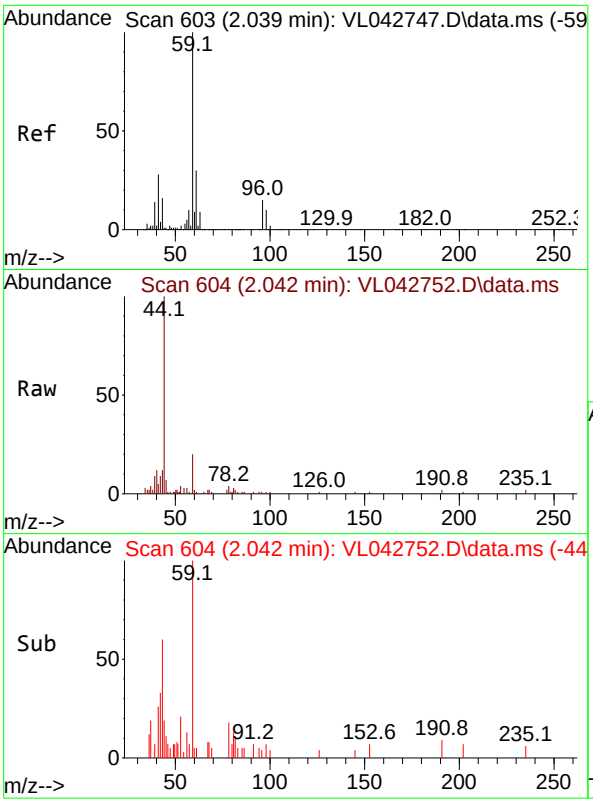


#16
1,3-Butadiene
Concen: 0.056 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 39 Resp: 502

Ion	Ratio	Lower	Upper
39	100		
54	142.8	54.5	81.7#



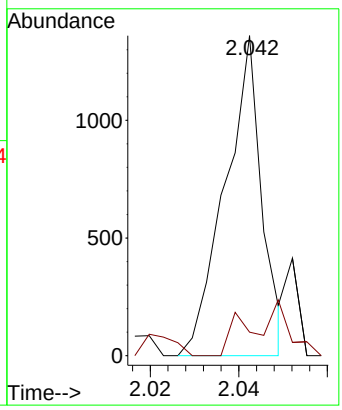


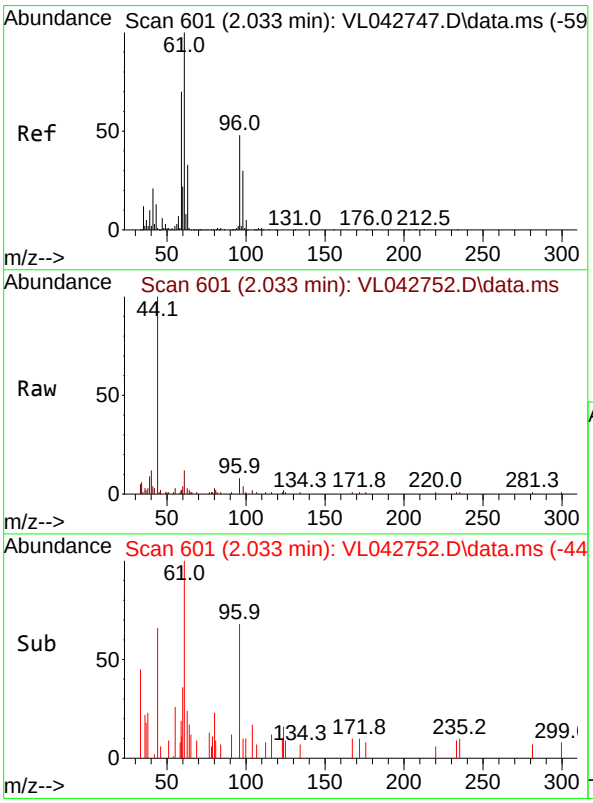
#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 782

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

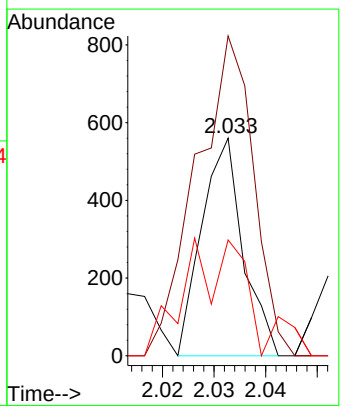


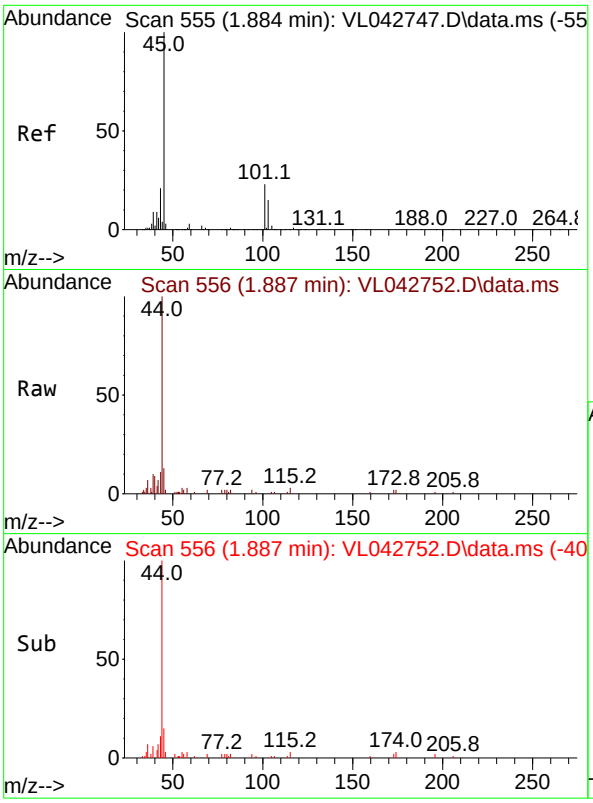


#18
1,1-Dichloroethene
Concen: 0.044 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 96 Resp: 312

Ion	Ratio	Lower	Upper
96	100		
61	135.9	165.8	248.6#
98	38.4	49.9	74.9#



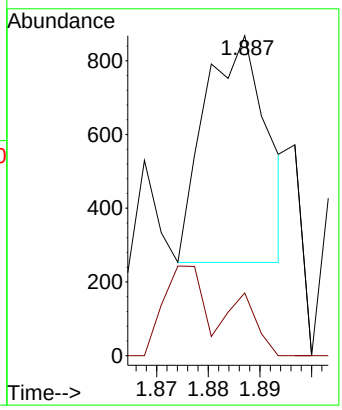


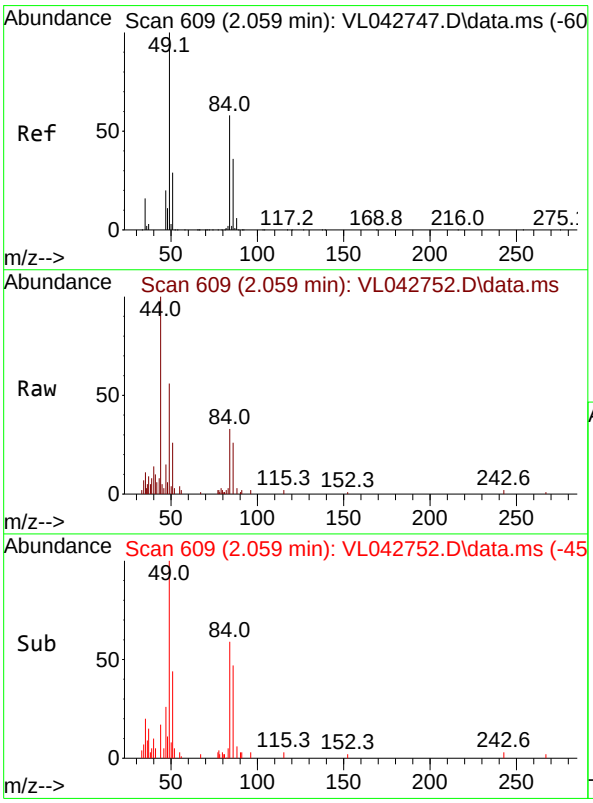
#19
Isopropyl Alcohol
Concen: 0.046 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 511

Ion	Ratio	Lower	Upper
45	100		
58	38.9	30.0	45.0

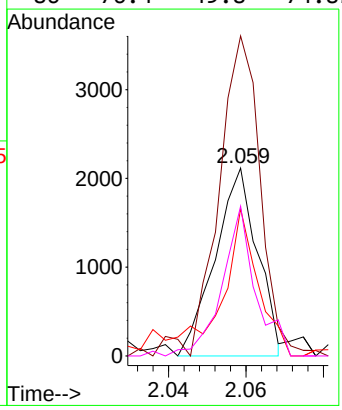


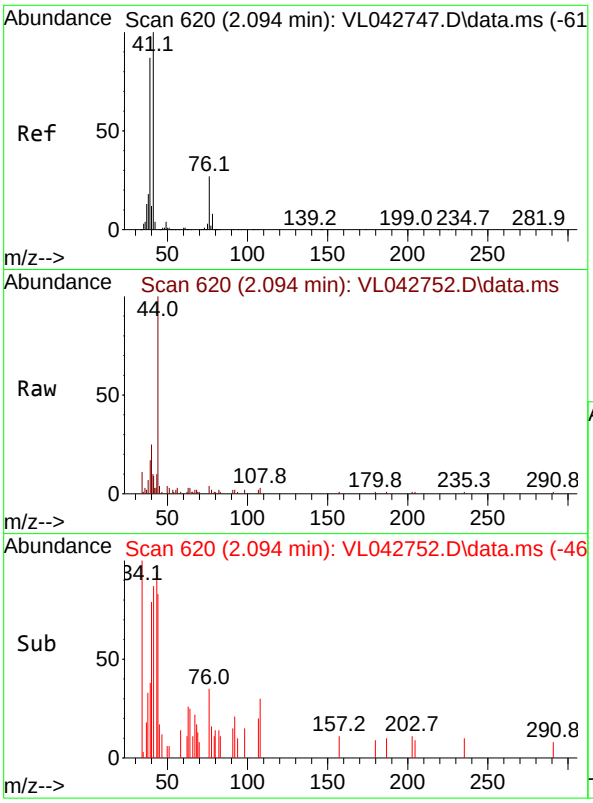


#20
Methylene Chloride
Concen: 0.243 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 84 Resp: 1607

Ion	Ratio	Lower	Upper
84	100		
49	161.5	138.6	208.0
51	68.3	40.6	61.0#
86	76.4	49.8	74.8#



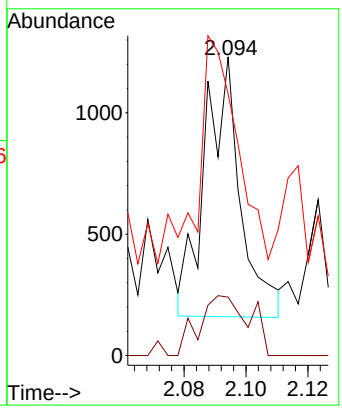


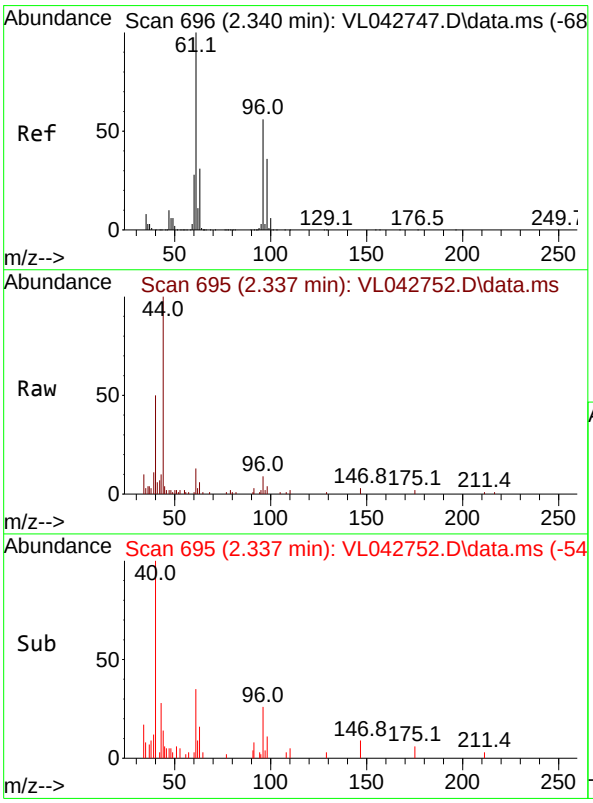
#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 856

Ion	Ratio	Lower	Upper
41	100		
76	35.0	21.1	31.7#
39	167.2	68.3	102.5#

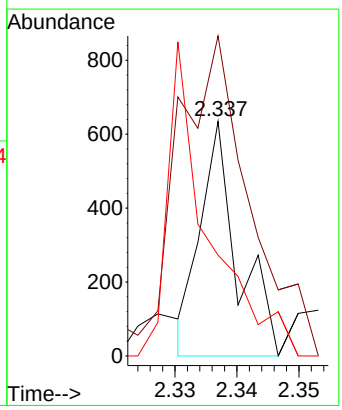


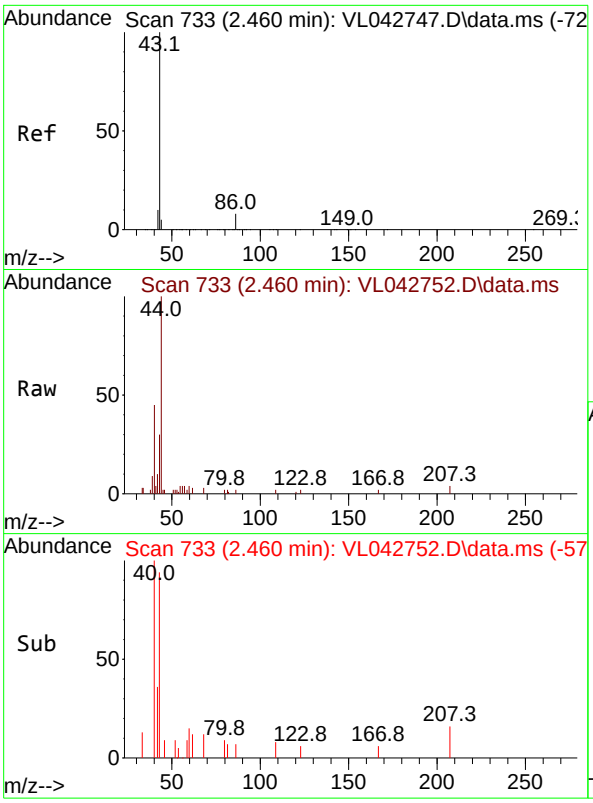


#22
trans-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 96 Resp: 263

Ion	Ratio	Lower	Upper
96	100		
61	108.2	142.3	213.5#
98	24.1	50.6	76.0#



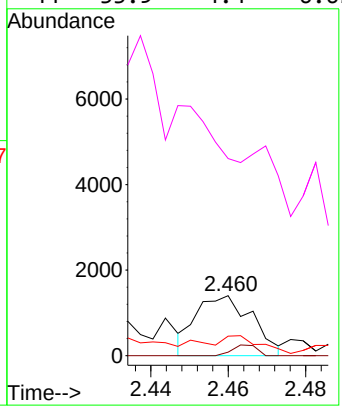


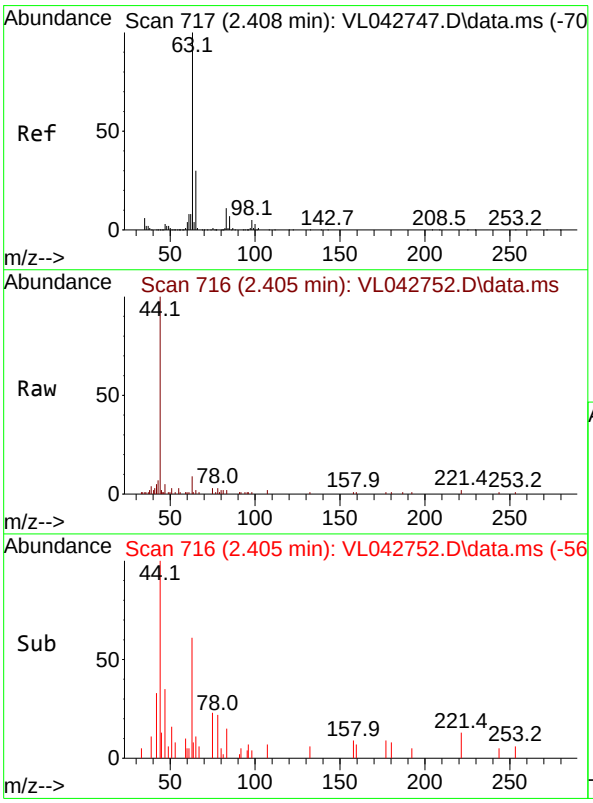
#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1410

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.1	9.1
42	24.7	7.8	11.8#
44	33.9	4.4	6.6#

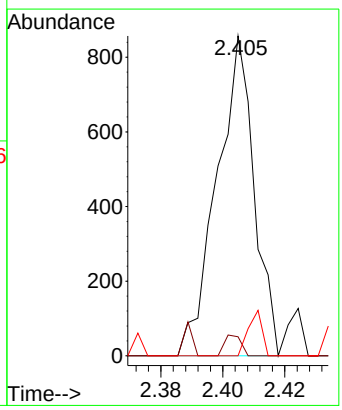


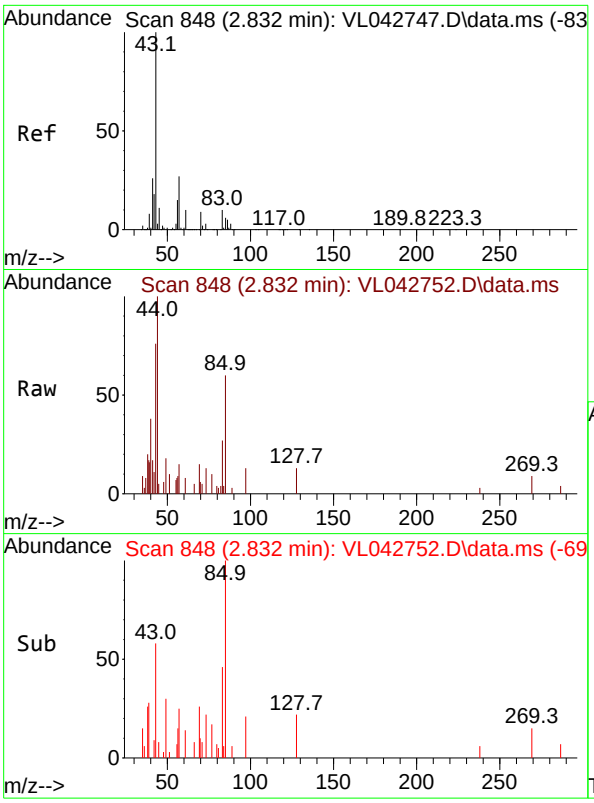


#24
1,1-Dichloroethane
Concen: 0.046 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 63 Resp: 715

Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.5	7.4
100	0.0	1.6	4.8#



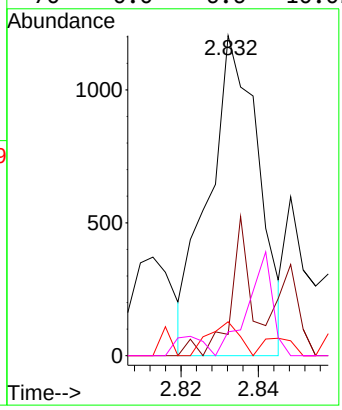


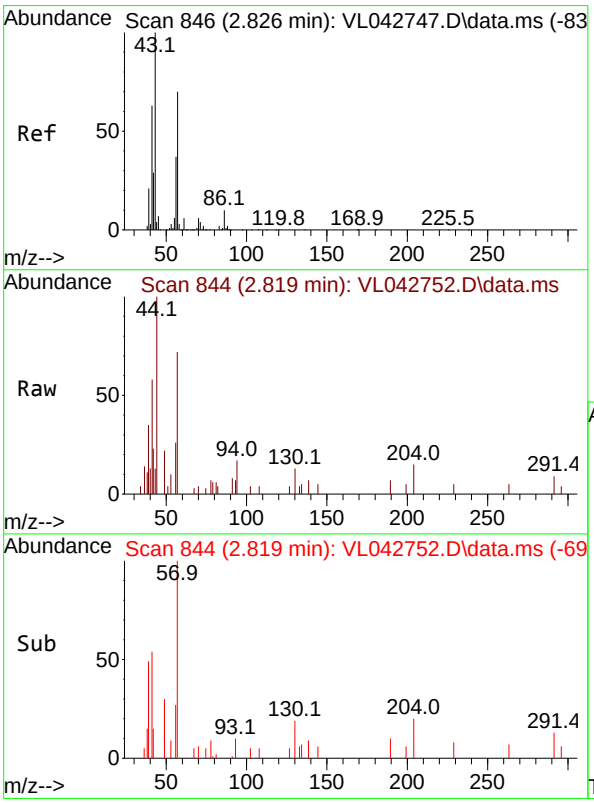
#25
Ethyl Acetate
Concen: 0.023 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1085

Ion	Ratio	Lower	Upper
43	100		
45	29.7	7.8	11.6#
61	0.0	6.7	10.1#
70	0.0	6.6	10.0#

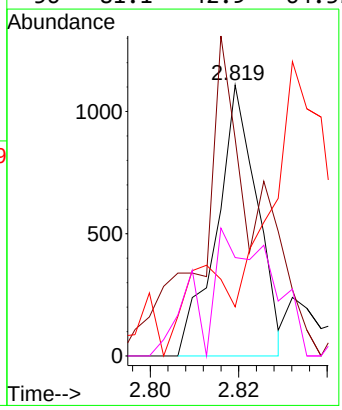


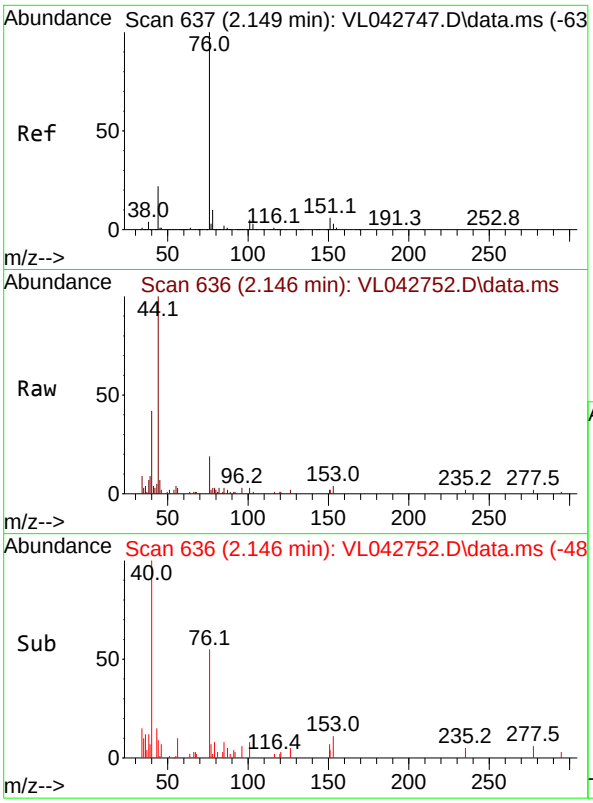


#26
Hexane
Concen: 0.035 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 57 Resp: 704

Ion	Ratio	Lower	Upper
57	100		
41	174.3	75.4	113.2#
43	0.0	185.0	277.6#
56	81.1	42.9	64.3#



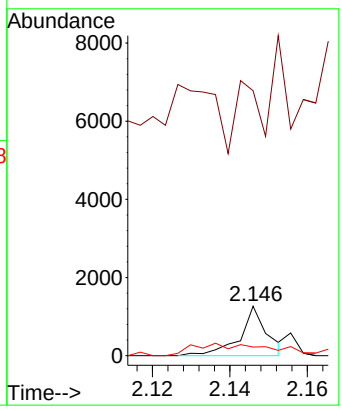


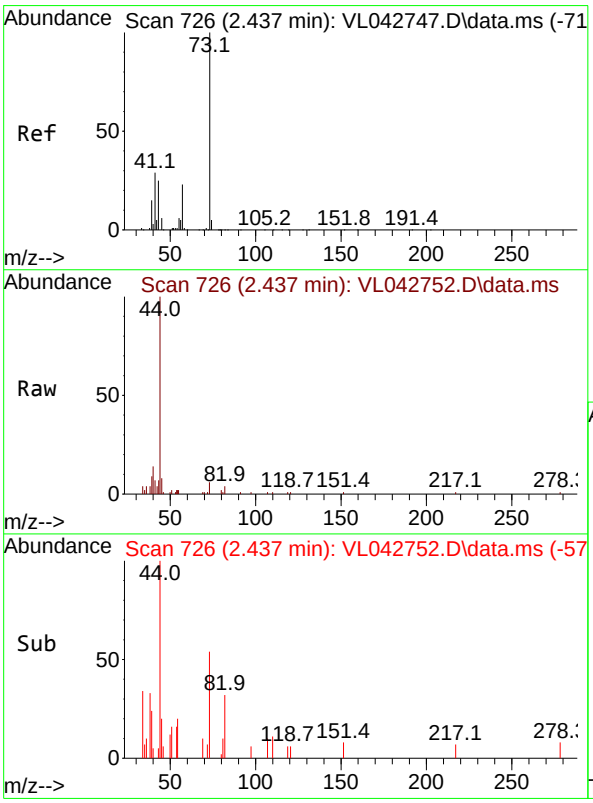
#27
Carbon Disulfide
Concen: 0.035 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 76 Resp: 605

Ion	Ratio	Lower	Upper
76	100		
44	958.2	19.3	28.9#
78	90.7	9.9	14.9#

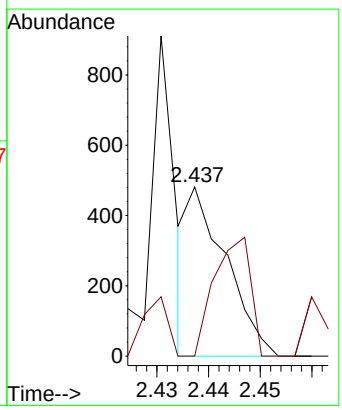


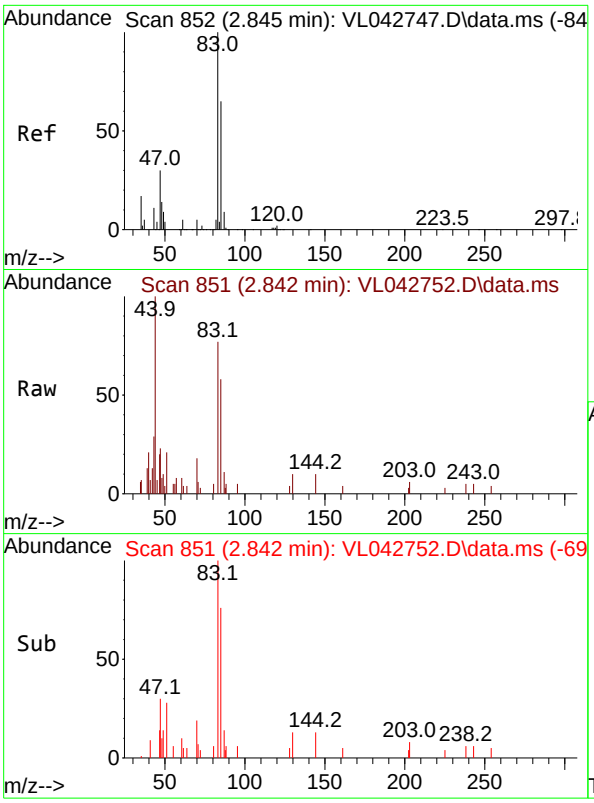


#28
Methyl tert-Butyl Ether
Concen: 0.026 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 73 Resp: 249

Ion	Ratio	Lower	Upper
73	100		
57	153.8	19.8	29.8#



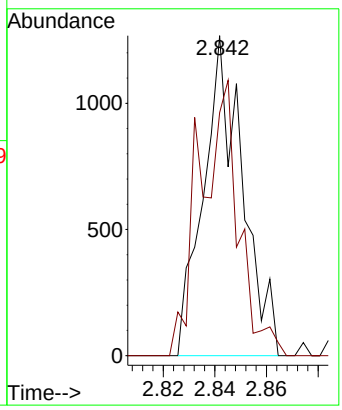


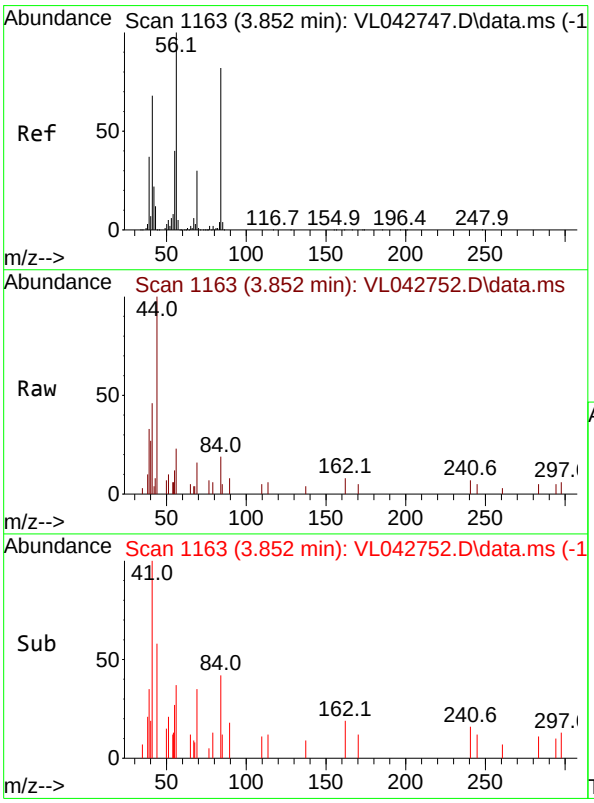
#29
Chloroform
Concen: 0.042 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 1324

Ion	Ratio	Lower	Upper
83	100		
85	71.8	52.2	78.2

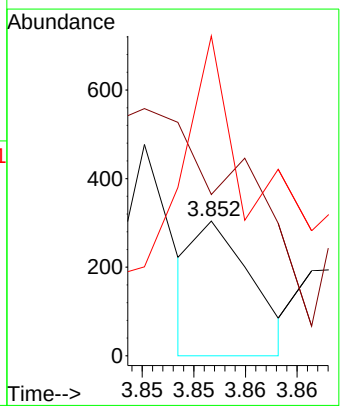


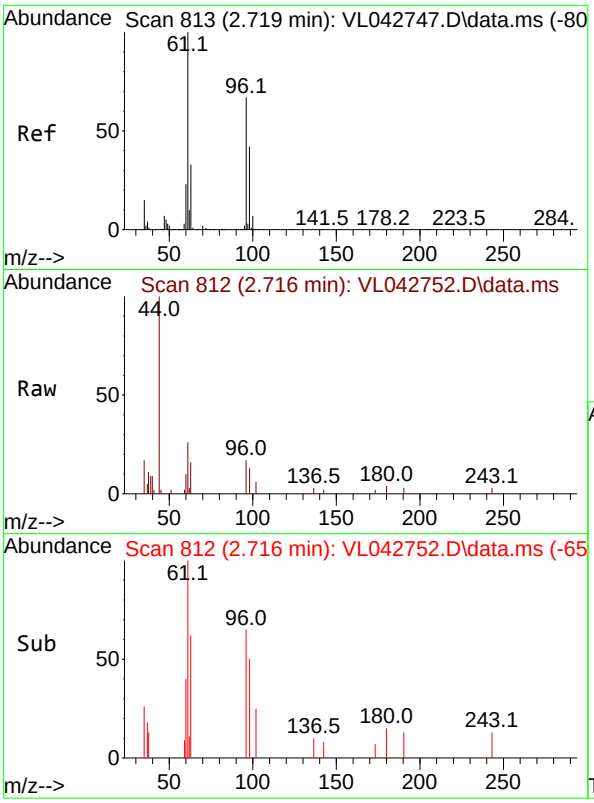


#30
Cyclohexane
Concen: 0.007 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 84 Resp: 115

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	1088.7	67.2	100.8#



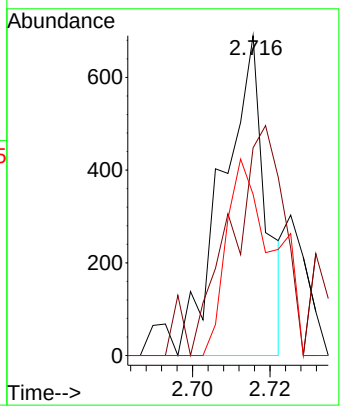


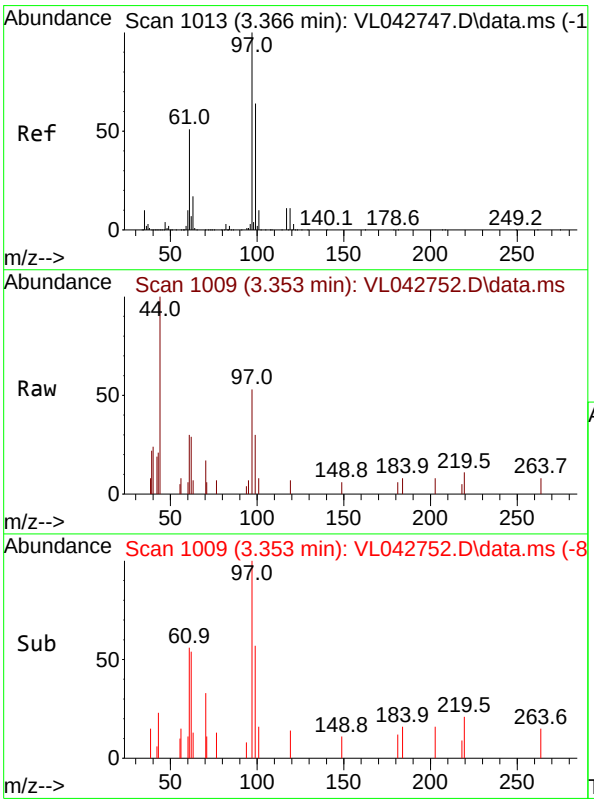
#31
cis-1,2-Dichloroethene
Concen: 0.025 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 527

Ion	Ratio	Lower	Upper
61	100		
96	46.1	53.5	80.3#
98	50.4	33.6	50.4#

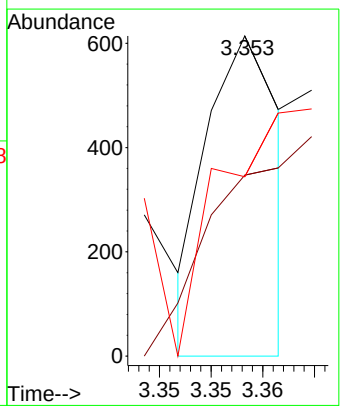


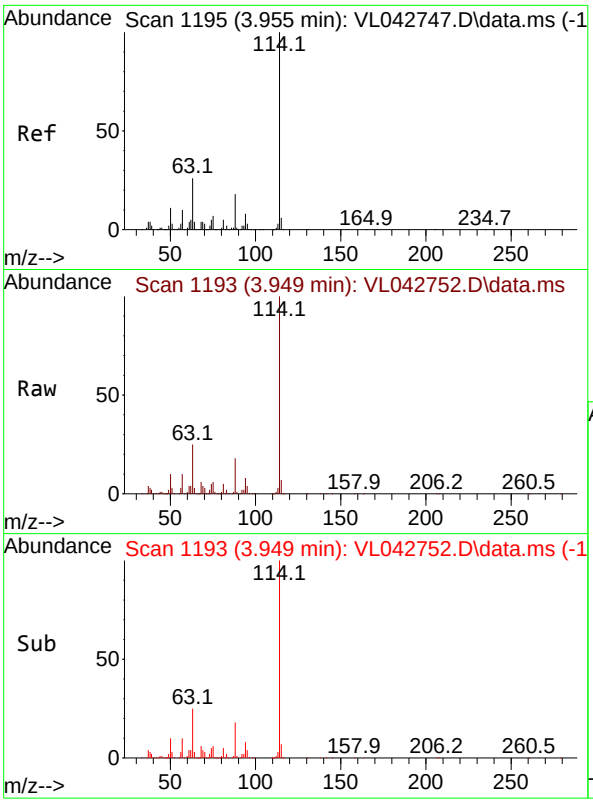


#32
1,1,1-Trichloroethane
Concen: 0.009 ppbv
RT: 3.353 min Scan# 1009
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 97 Resp: 302

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	186.1	40.9	61.3#



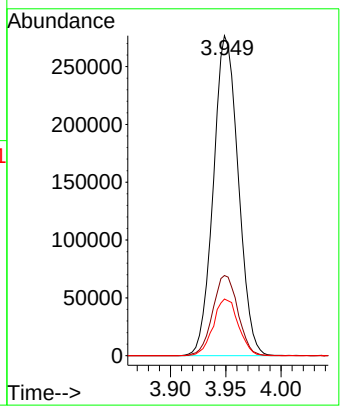


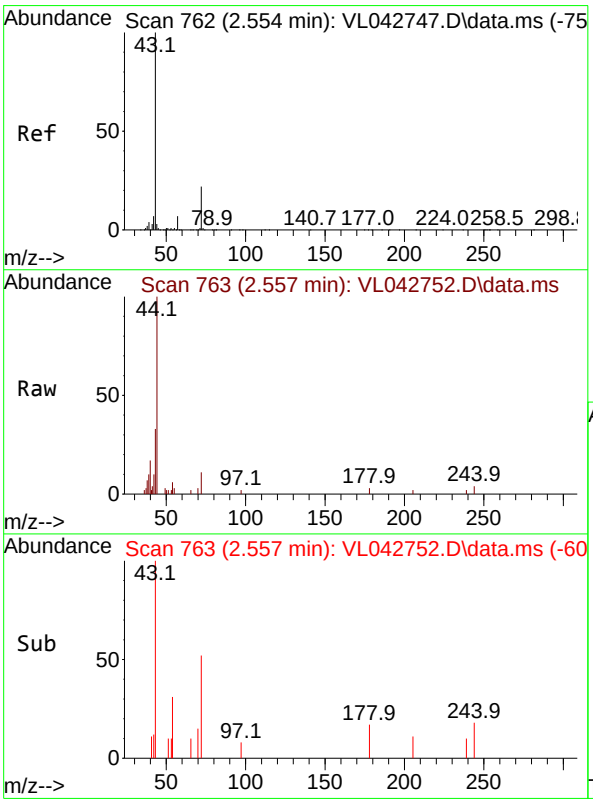
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 432802

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.9	14.0	21.0

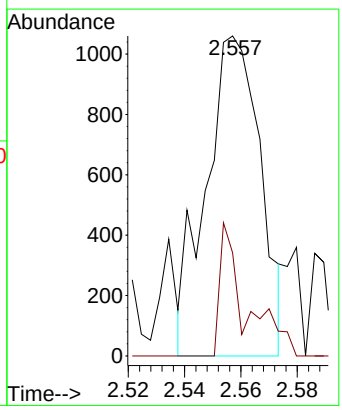


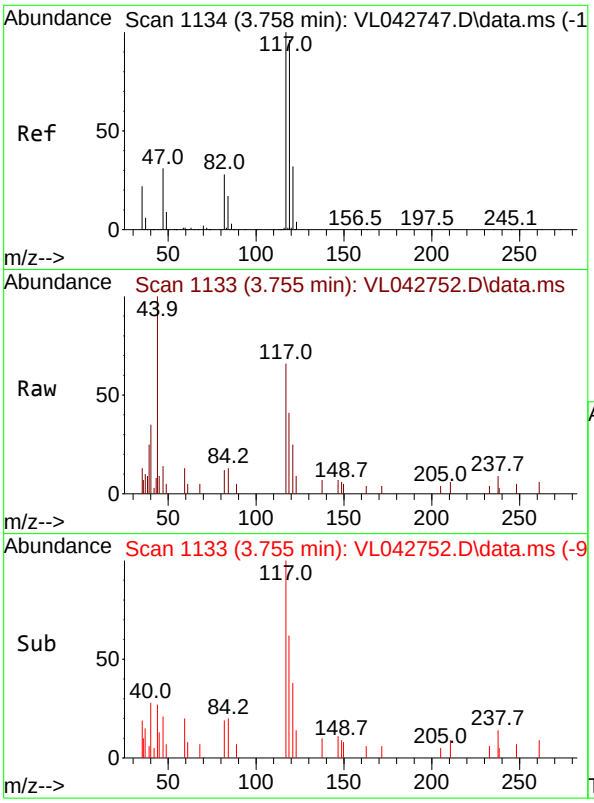


#34
2-Butanone
Concen: 0.046 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 1423

Ion	Ratio	Lower	Upper
43	100		
72	19.7	17.4	26.0



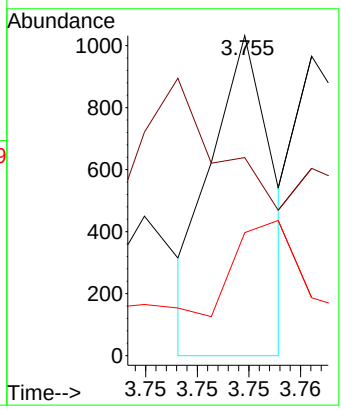


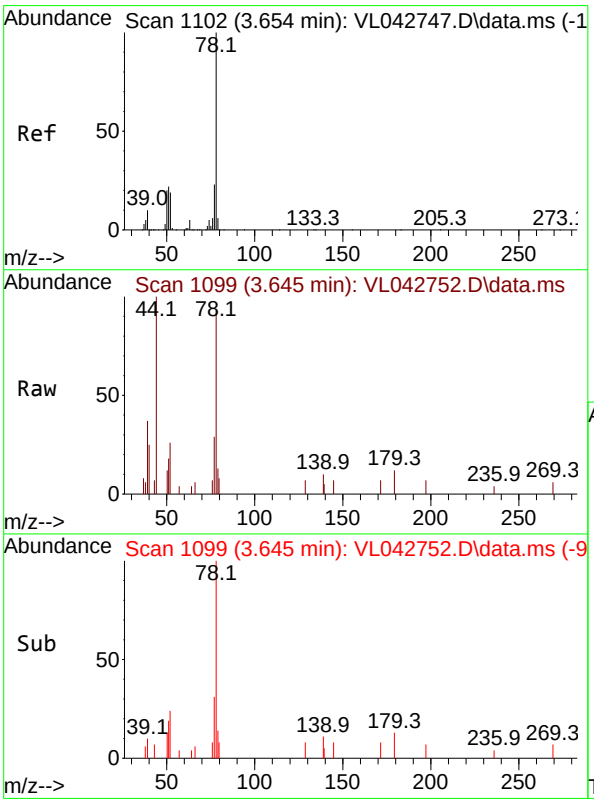
#35
Carbon Tetrachloride
Concen: 0.013 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 427

Ion	Ratio	Lower	Upper
117	100		
119	23.7	77.1	115.7#
121	33.9	25.5	38.3

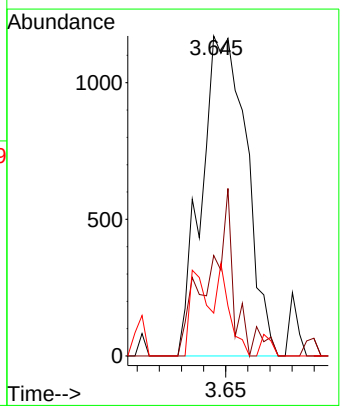


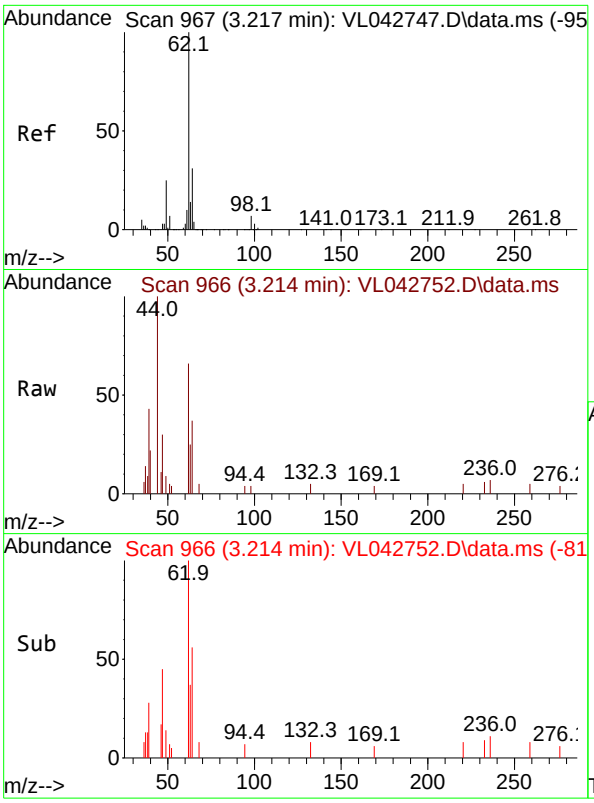


#36
Benzene
Concen: 0.040 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 78 Resp: 1657

Ion	Ratio	Lower	Upper
78	100		
77	31.4	18.5	27.7#
50	13.4	16.2	24.2#



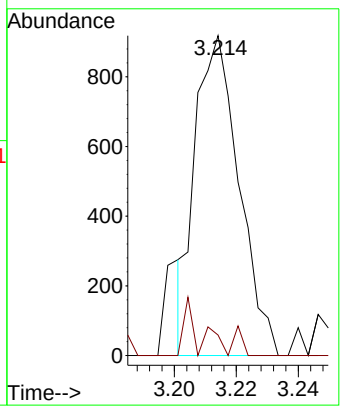


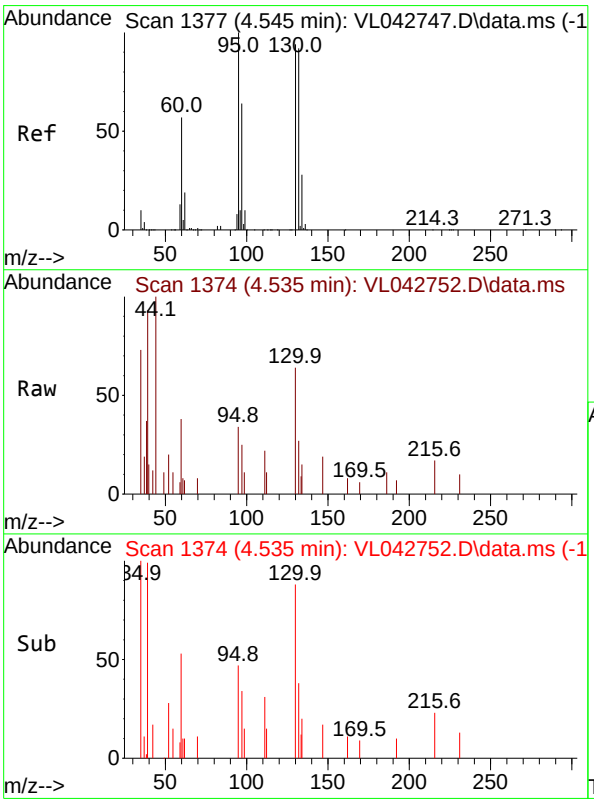
#37
1,2-Dichloroethane
Concen: 0.037 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 902

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#

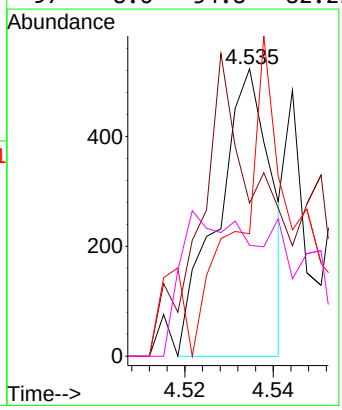


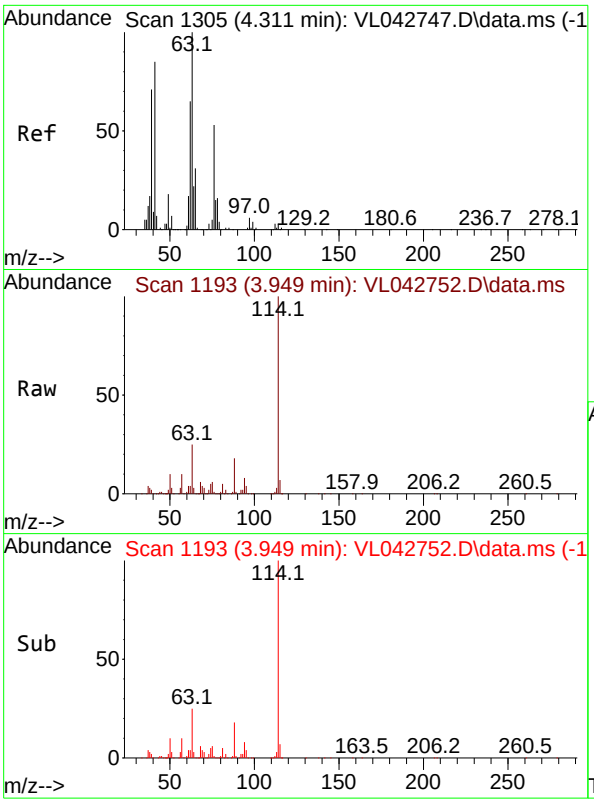


#38
Trichloroethene
Concen: 0.022 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:130 Resp: 438

Ion	Ratio	Lower	Upper
130	100		
95	38.0	85.4	128.2#
132	11.9	78.2	117.2#
97	8.6	54.8	82.2#



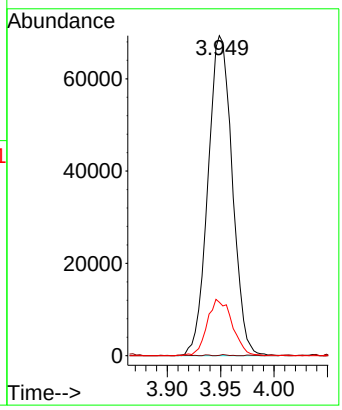


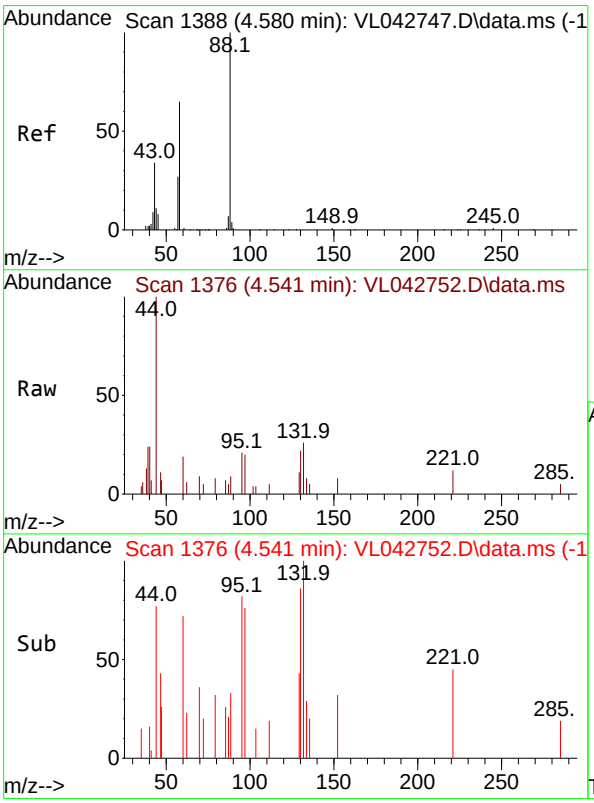
#39
1,2-Dichloropropane
Concen: 7.257 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.363 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 109883

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	16.7	52.0	78.0#

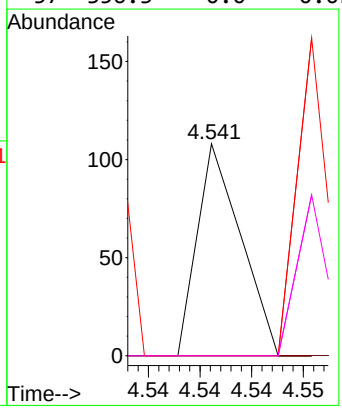


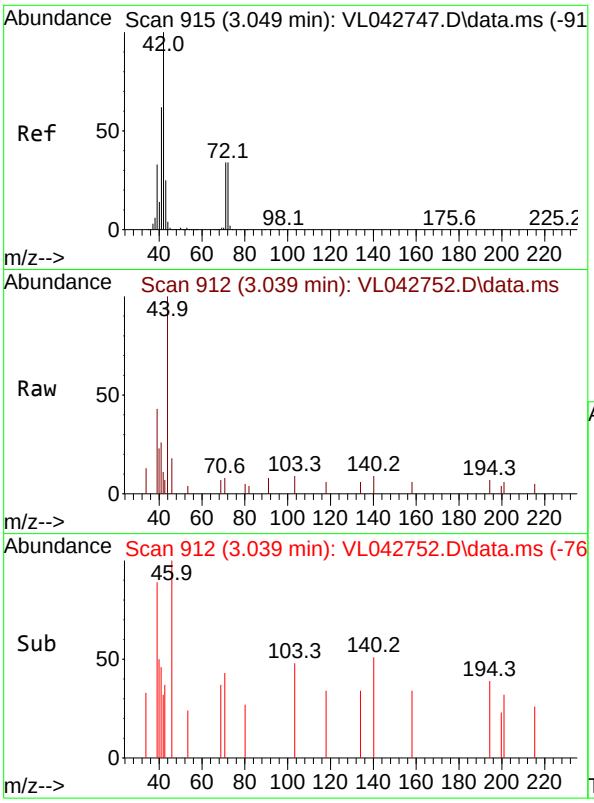


#40
1,4-Dioxane
Concen: 0.004 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.039 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 88 Resp: 32

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	456.3	28.9	43.3#
57	356.3	0.0	0.0#



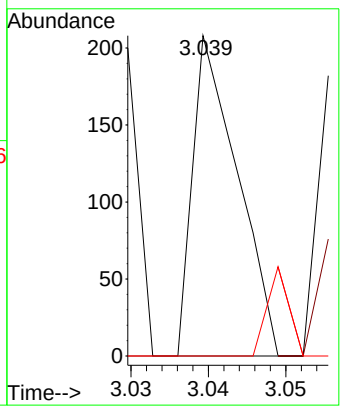


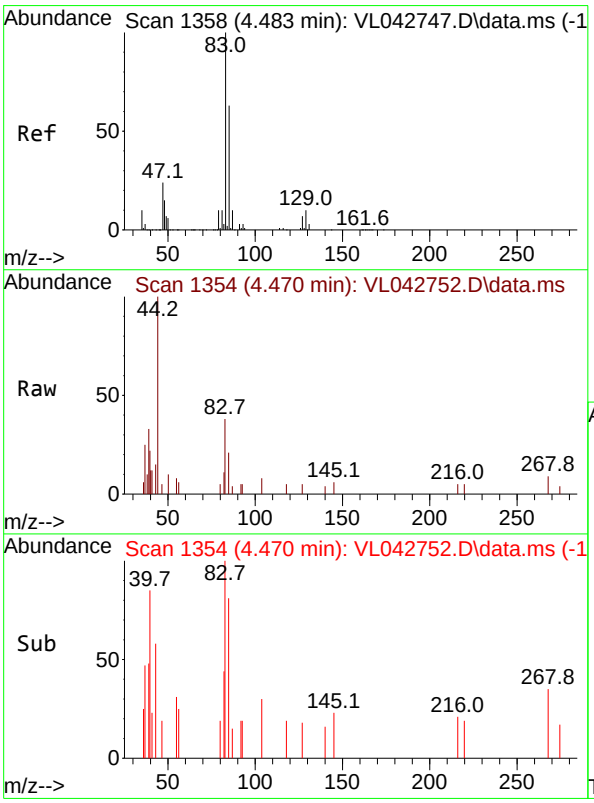
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.039 min Scan# 91
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 84

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.6	43.0#

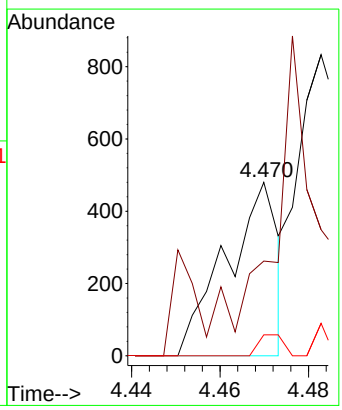


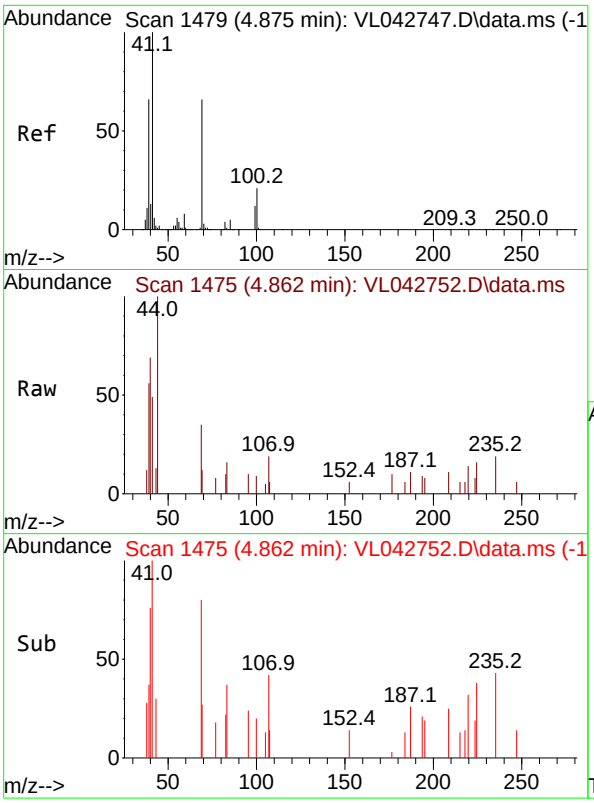


#42
Bromodichloromethane
Concen: 0.012 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 83 Resp: 390

Ion	Ratio	Lower	Upper
83	100		
85	0.8	50.2	75.4#
127	12.1	5.4	8.2#



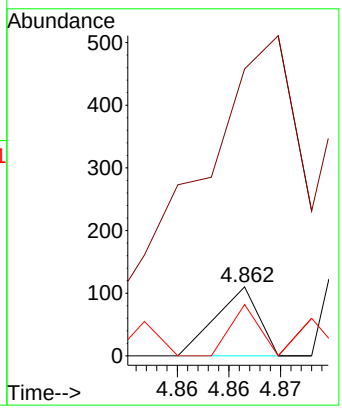


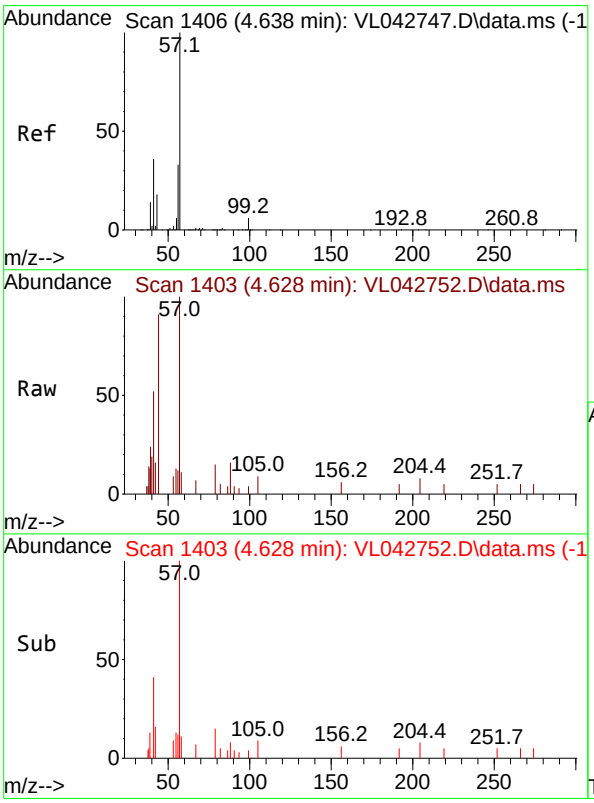
#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.862 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 69 Resp: 32

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#

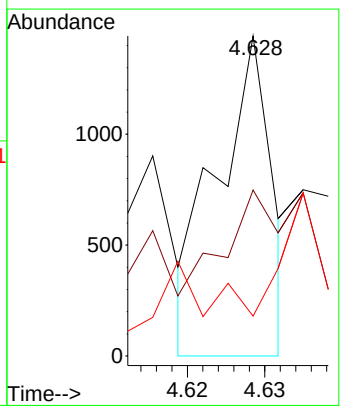


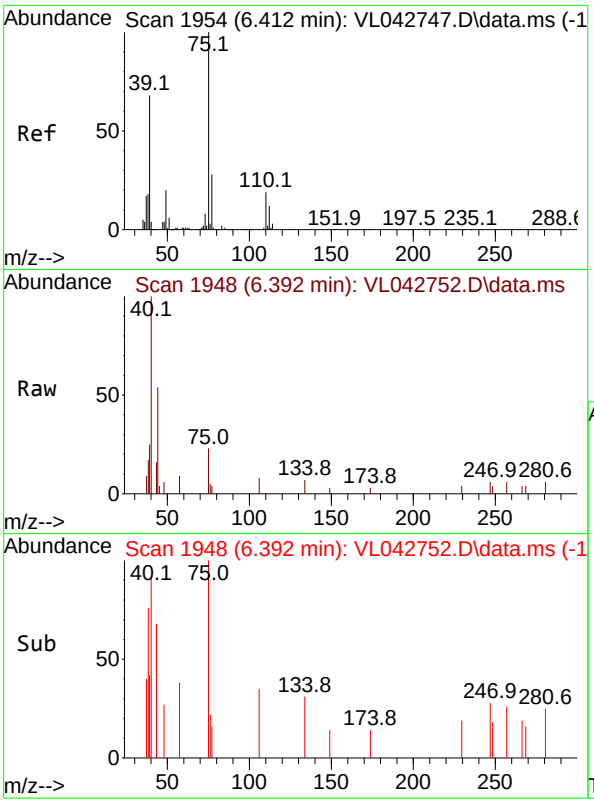


#44
2,2,4-Trimethylpentane
Concen: 0.011 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 57 Resp: 714

Ion	Ratio	Lower	Upper
57	100		
41	271.0	28.3	42.5#
56	132.9	25.8	38.6#



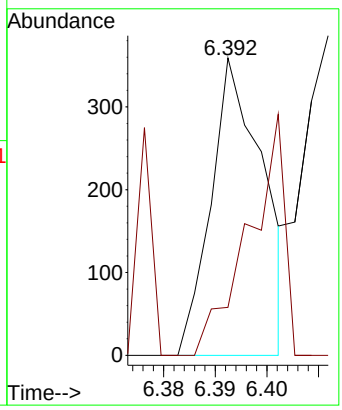


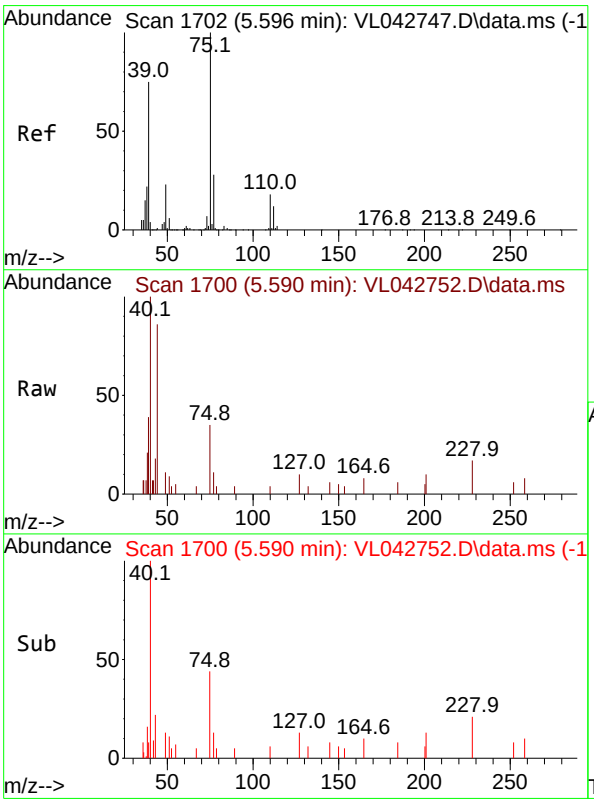
#45
t-1,3-Dichloropropene
Concen: 0.015 ppbv
RT: 6.392 min Scan# 1
Delta R.T. -0.020 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 252

Ion	Ratio	Lower	Upper
75	100		
77	16.2	22.4	33.6#

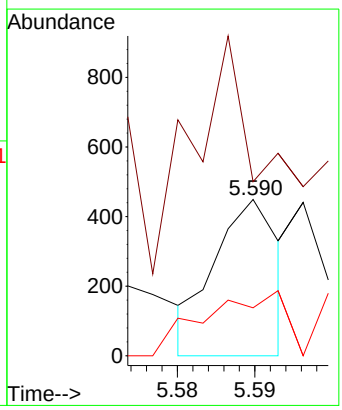


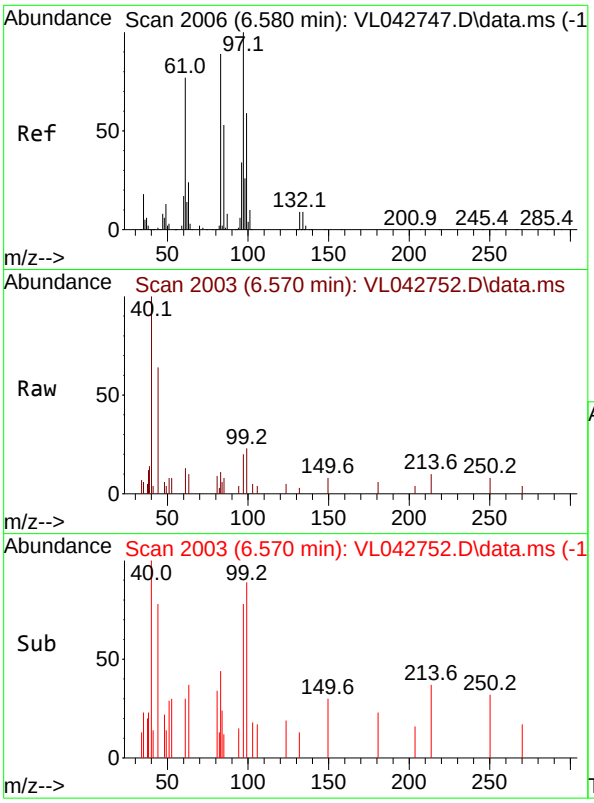


#46
cis-1,3-Dichloropropene
Concen: 0.012 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 75 Resp: 259

Ion	Ratio	Lower	Upper
75	100		
39	0.0	60.2	90.2#
77	9.9	22.6	34.0#



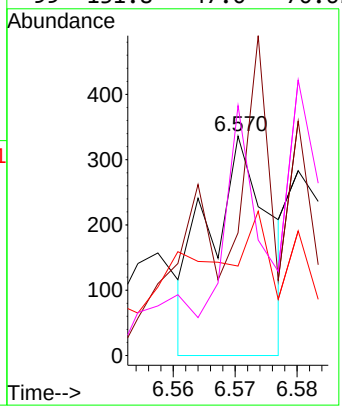


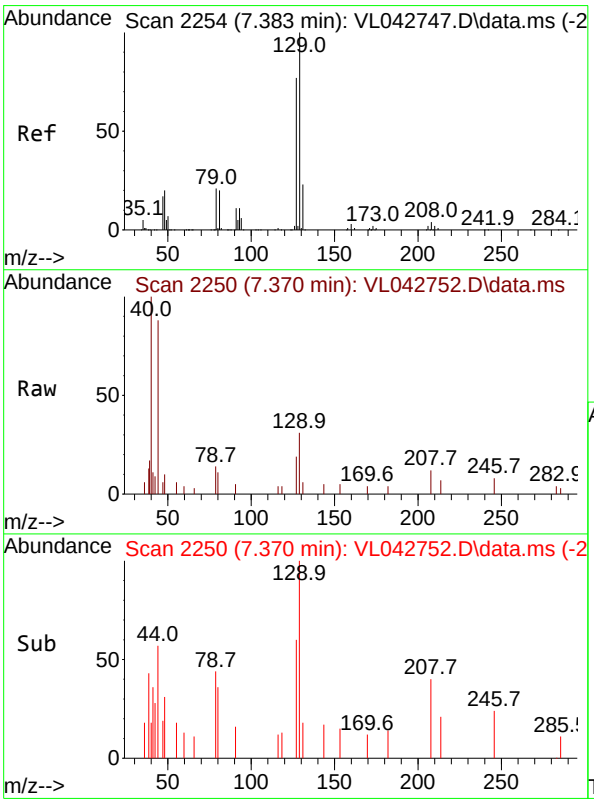
#47
1,1,2-Trichloroethane
Concen: 0.014 ppbv
RT: 6.570 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 226

Ion	Ratio	Lower	Upper
97	100		
83	33.2	71.1	106.7#
85	23.2	43.0	64.4#
99	131.8	47.0	70.6#

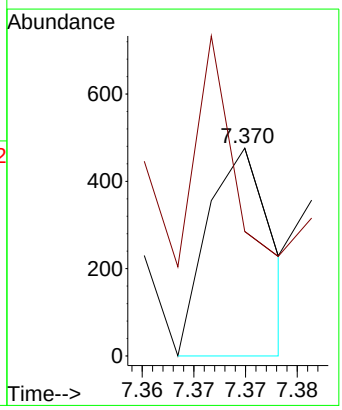


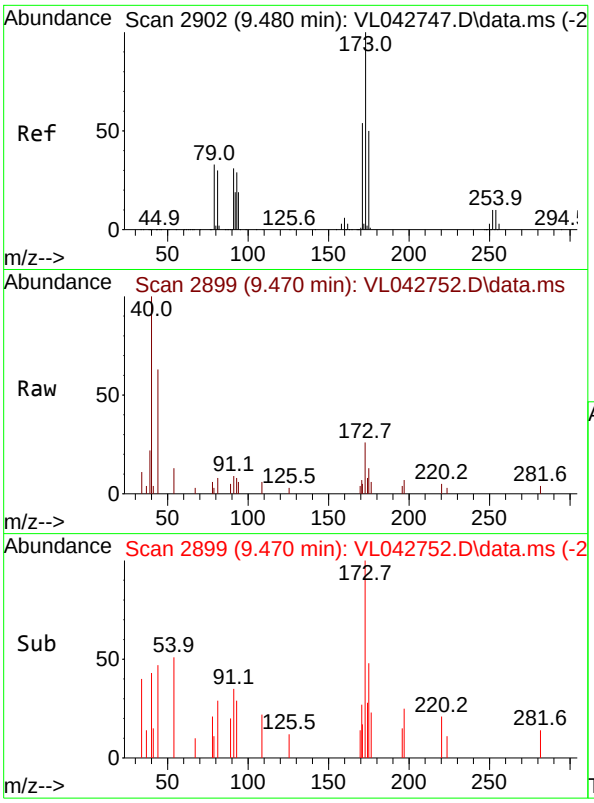


#48
Dibromochloromethane
Concen: 0.008 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:129 Resp: 206

Ion	Ratio	Lower	Upper
129	100		
127	397.1	38.7	116.1#



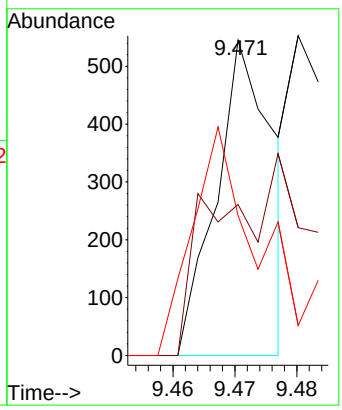


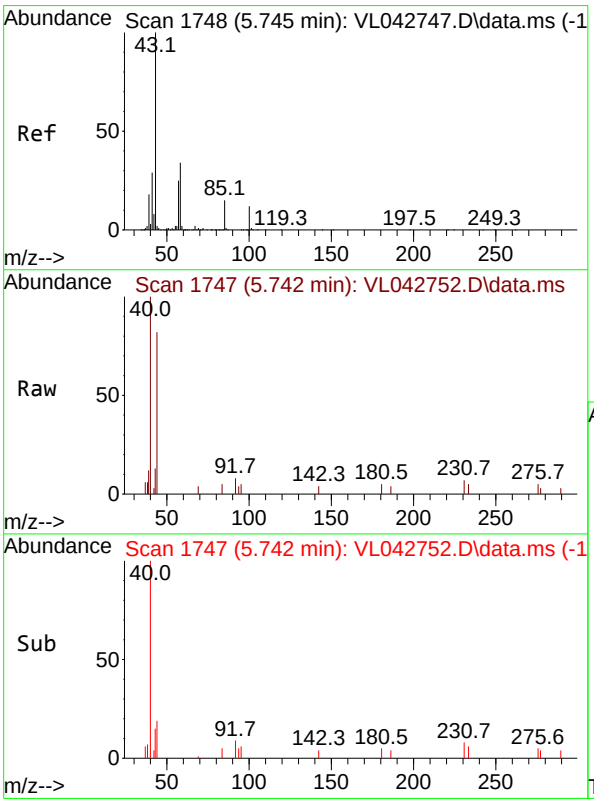
#49
Bromoform
Concen: 0.015 ppbv
RT: 9.470 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:173 Resp: 346

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.4	57.6#
171	97.1	40.9	61.3#

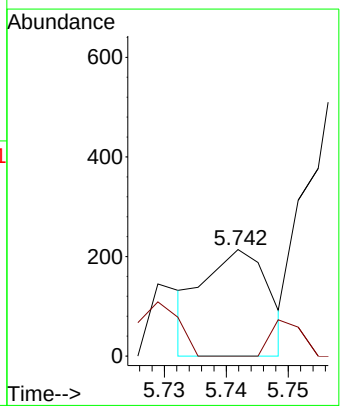


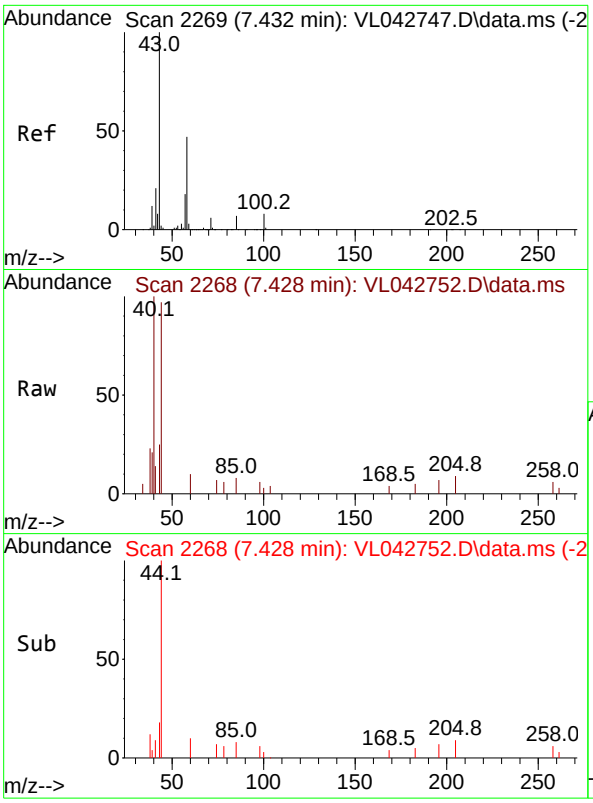


#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 157

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



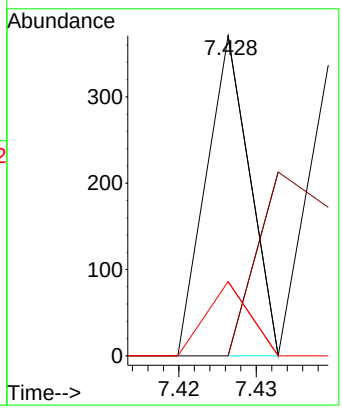


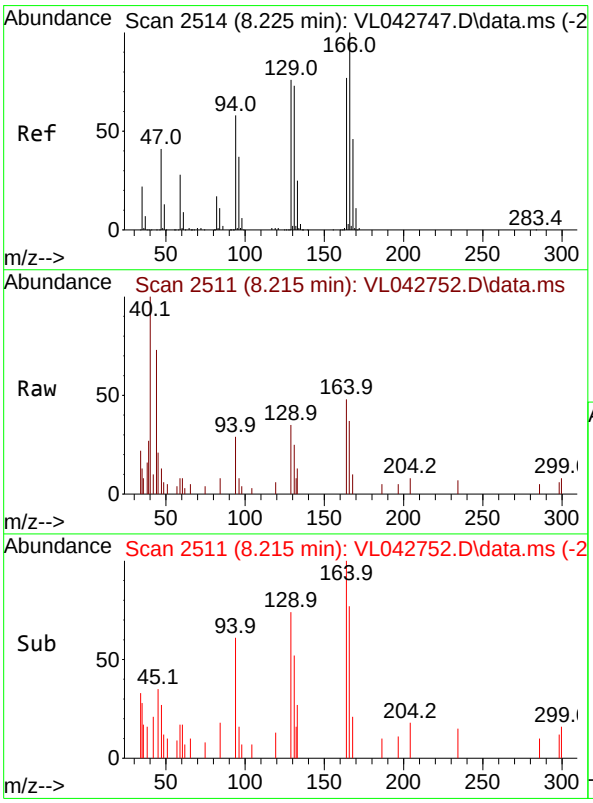
#51
2-Hexanone
Concen: 0.002 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 72

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#

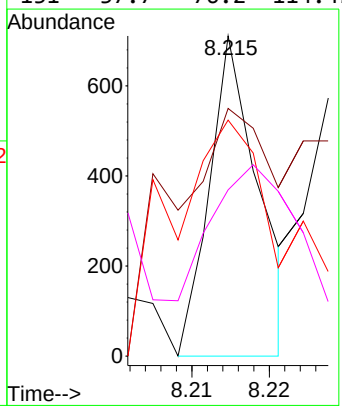


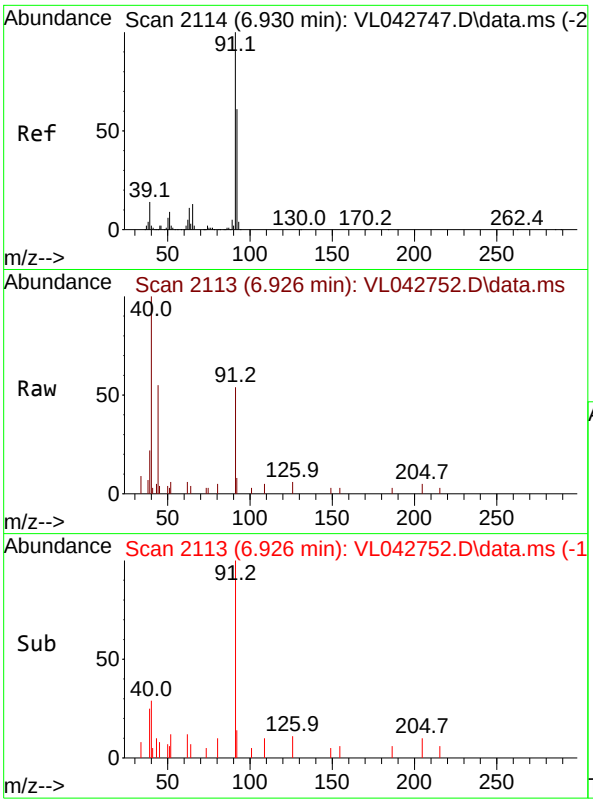


#52
Tetrachloroethene
Concen: 0.019 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:164 Resp: 317

Ion	Ratio	Lower	Upper
164	100		
166	34.6	104.0	156.0#
129	50.2	79.2	118.8#
131	37.7	76.2	114.4#



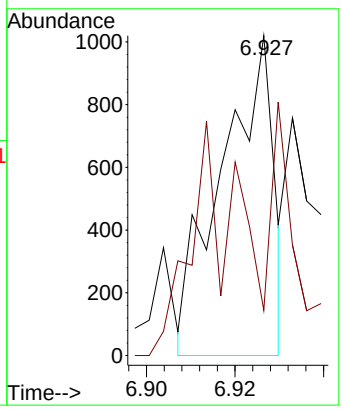


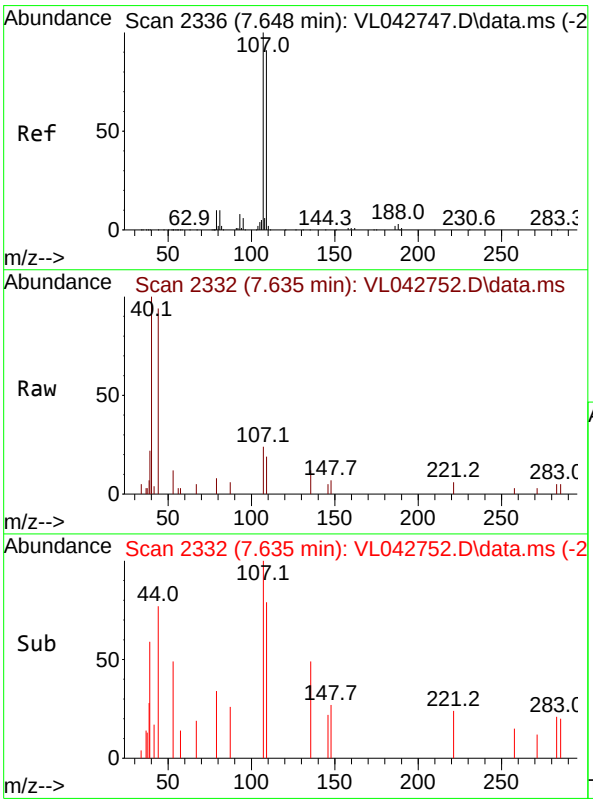
#53
Toluene
Concen: 0.019 ppbv
RT: 6.926 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 832

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.0	72.0#

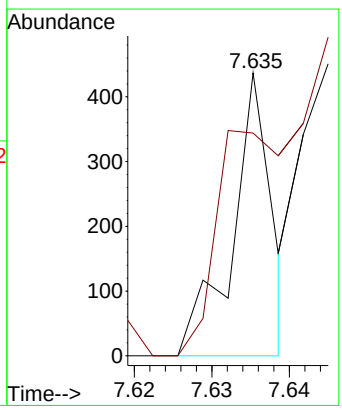


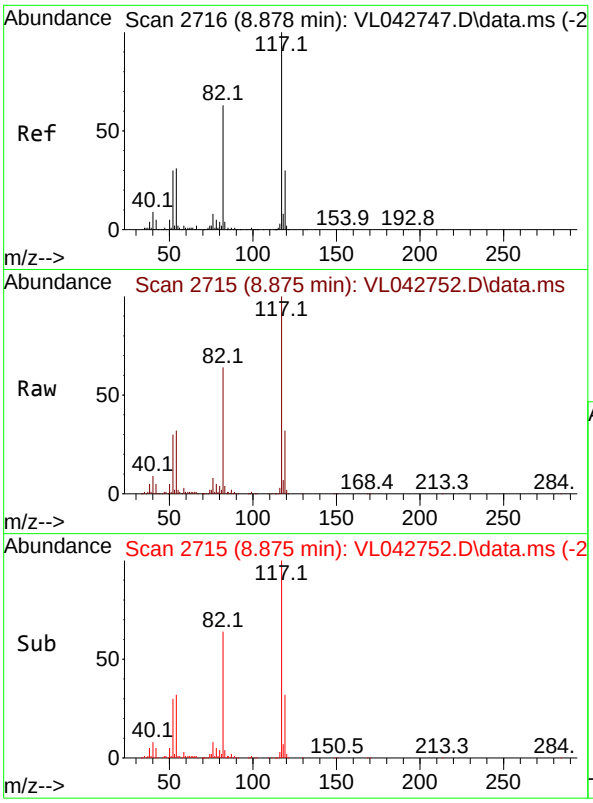


#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.635 min Scan# 2332
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:107 Resp: 155

Ion	Ratio	Lower	Upper
107	100		
109	78.7	72.7	109.1



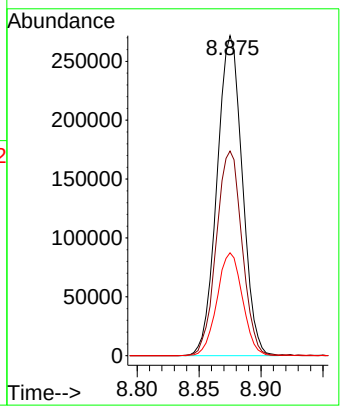


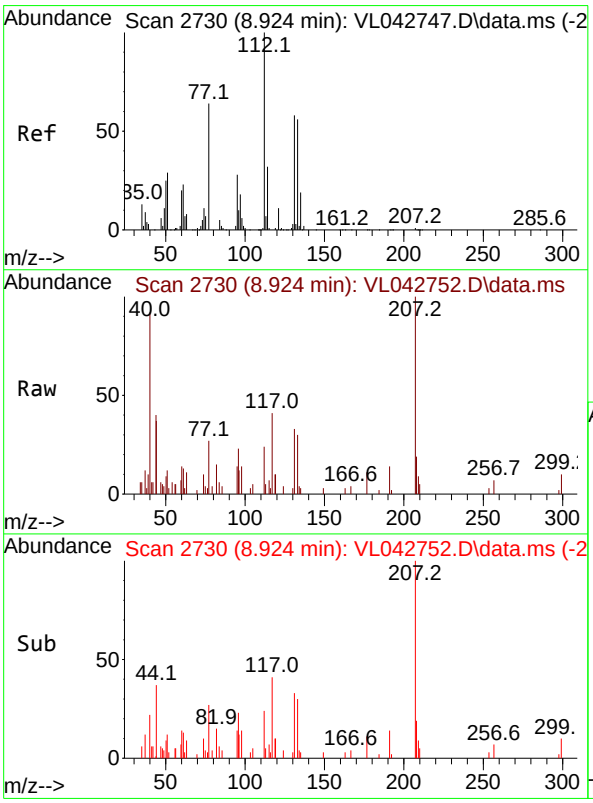
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 387541

Ion	Ratio	Lower	Upper
117	100		
82	65.0	53.3	79.9
119	32.6	25.8	38.6

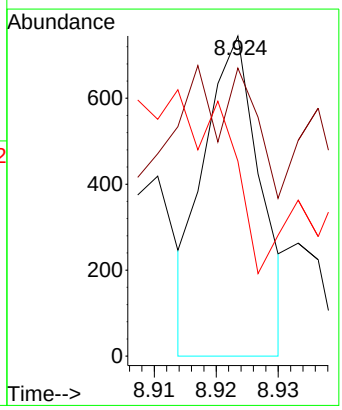


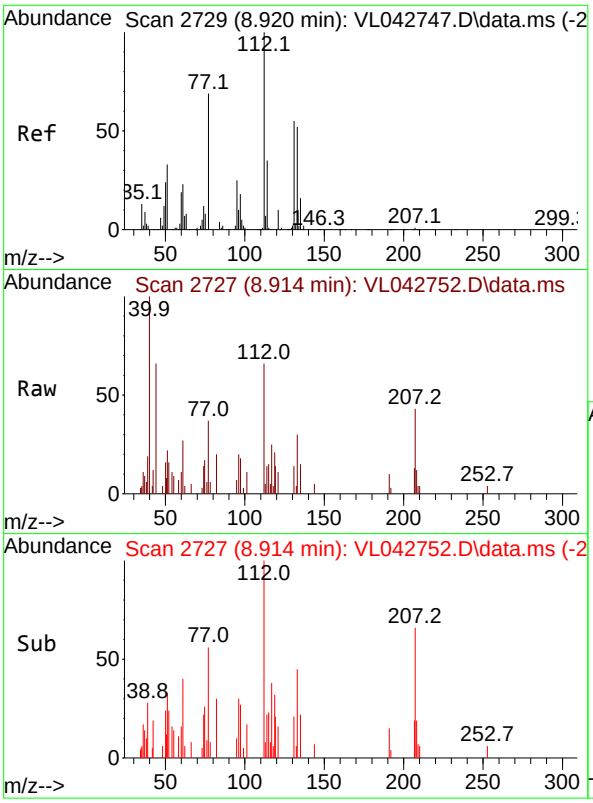


#56
1,1,1,2-Tetrachloroethane
Concen: 0.023 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:131 Resp: 471

Ion	Ratio	Lower	Upper
131	100		
133	307.0	76.8	115.2#
119	0.0	49.7	74.5#



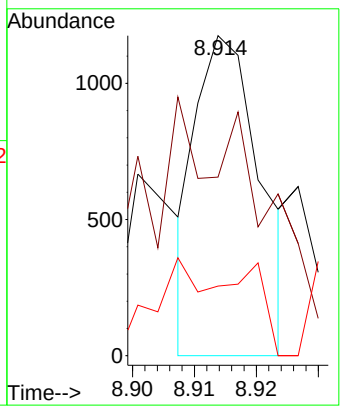


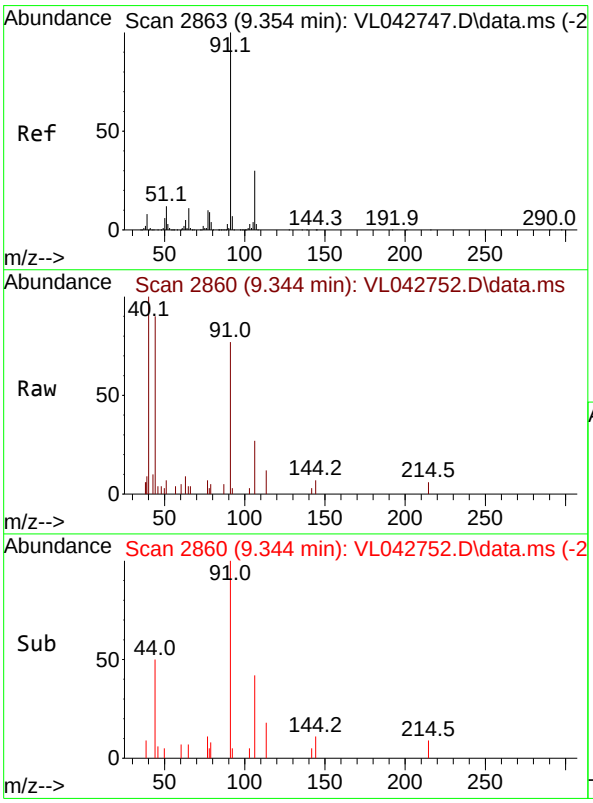
#57
Chlorobenzene
Concen: 0.023 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 852

Ion	Ratio	Lower	Upper
112	100		
77	9.3	56.4	84.6#
114	38.4	31.2	38.2#

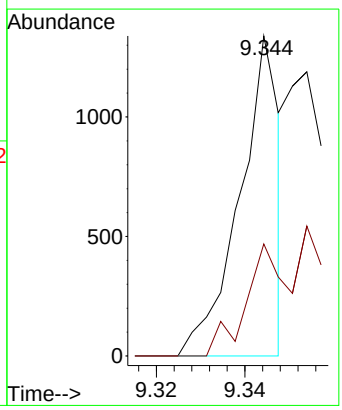


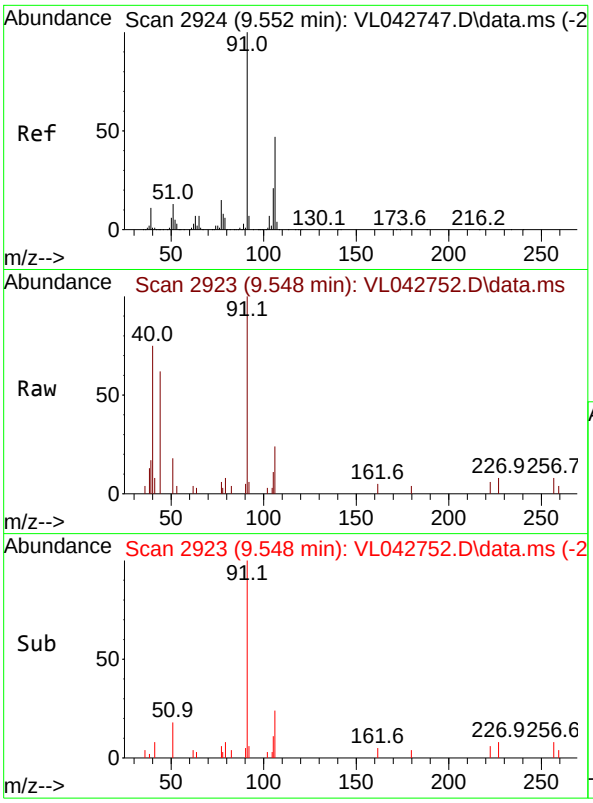


#58
Ethyl Benzene
Concen: 0.014 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 837

Ion	Ratio	Lower	Upper
91	100		
106	35.0	23.8	35.6



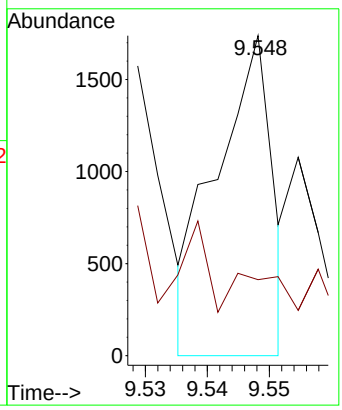


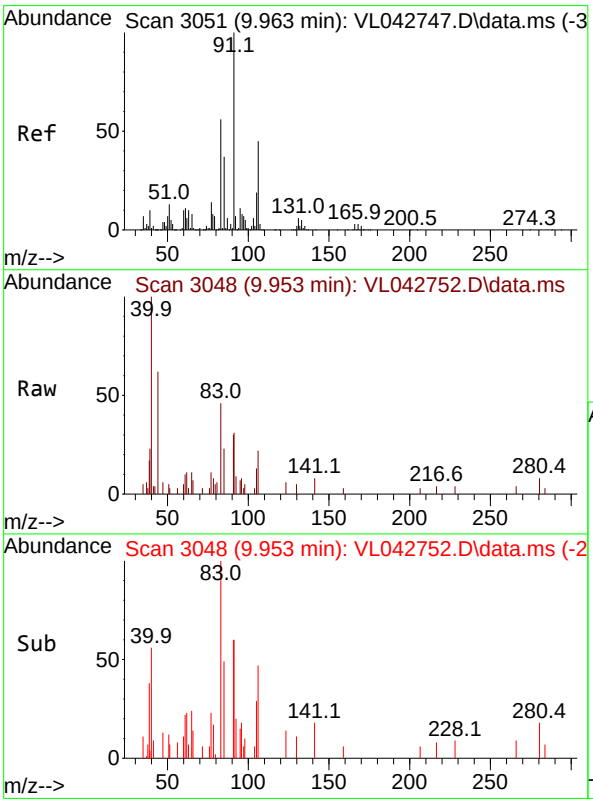
#59
m/p-Xylene
Concen: 0.022 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1097

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

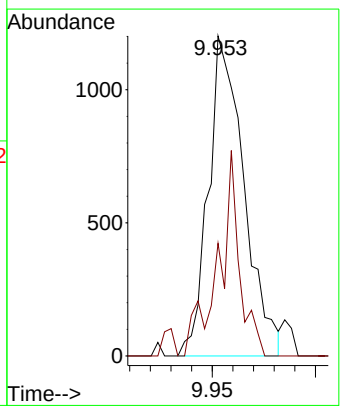


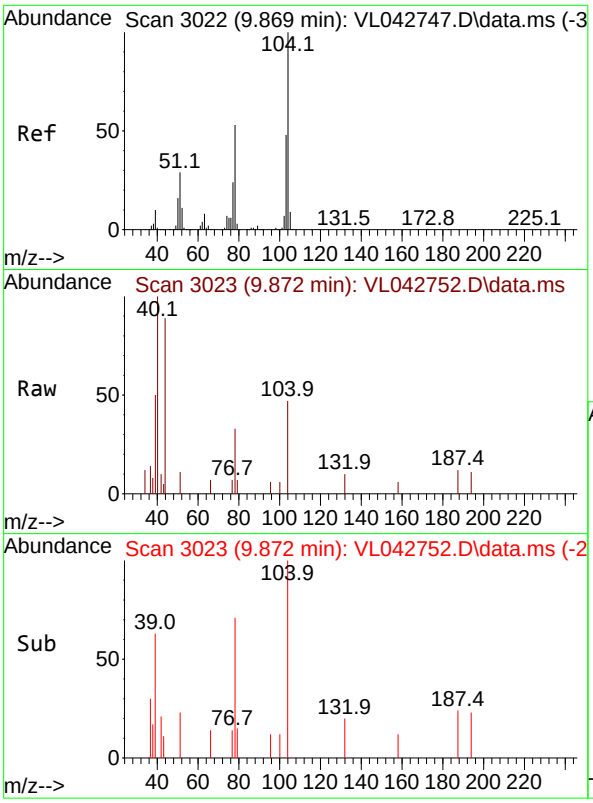


#60
o-Xylene
Concen: 0.029 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 1440

Ion	Ratio	Lower	Upper
91	100		
106	41.0	22.0	66.0



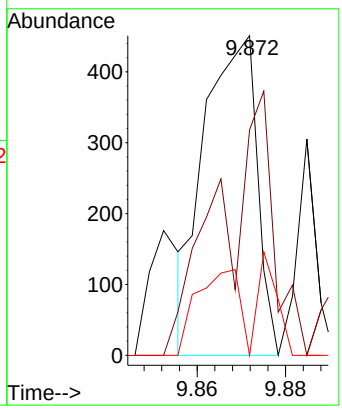


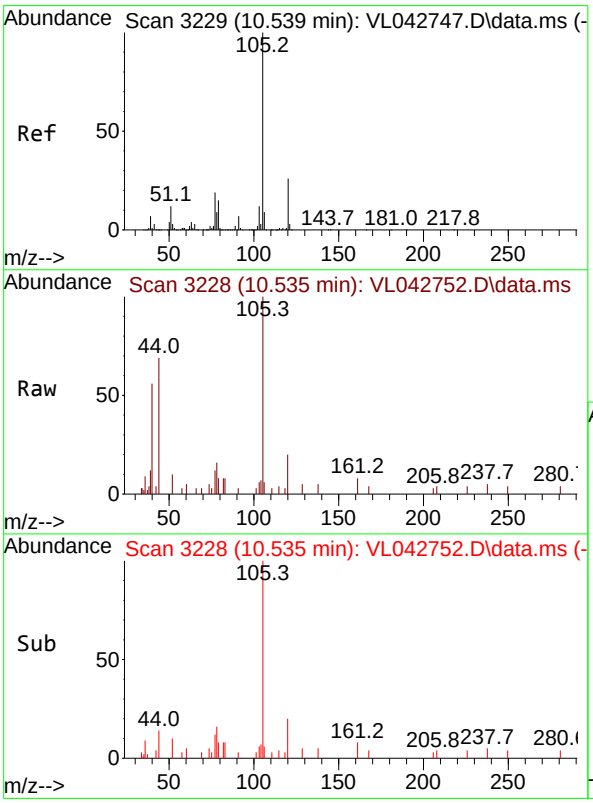
#61
Styrene
Concen: 0.018 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:104 Resp: 373

Ion	Ratio	Lower	Upper
104	100		
78	95.4	41.5	62.3#
103	33.5	37.5	56.3#

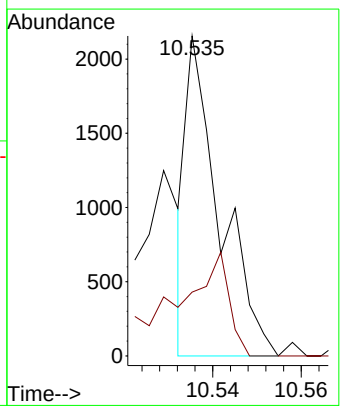


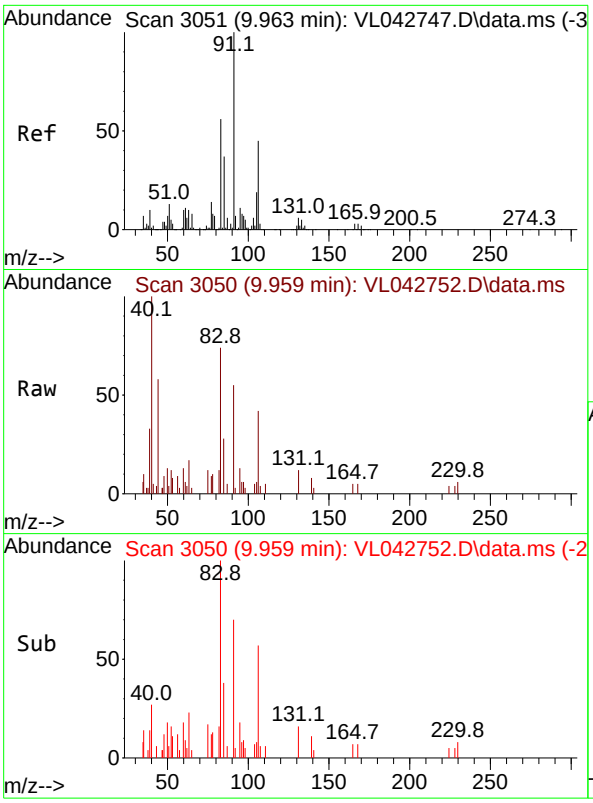


#62
Isopropylbenzene
Concen: 0.016 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1137

Ion	Ratio	Lower	Upper
105	100		
120	52.0	20.5	30.7#



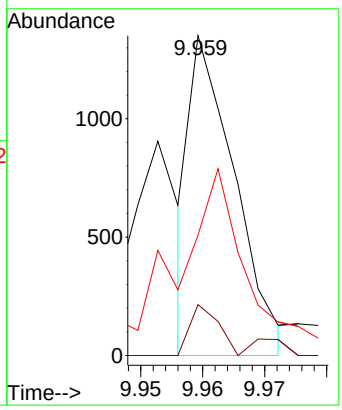


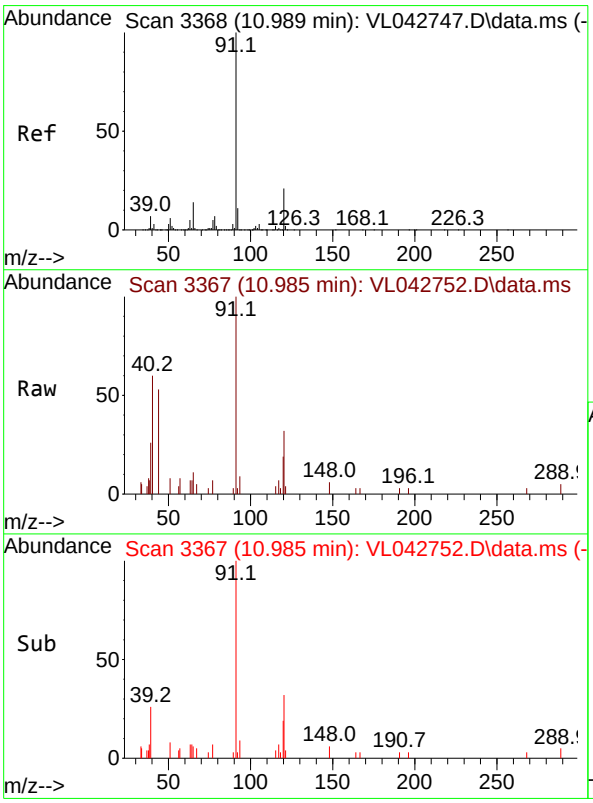
#63
1,1,2,2-Tetrachloroethane
Concen: 0.022 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 685

Ion	Ratio	Lower	Upper
83	100		
131	14.2	5.0	15.0
85	102.5	32.6	97.7#

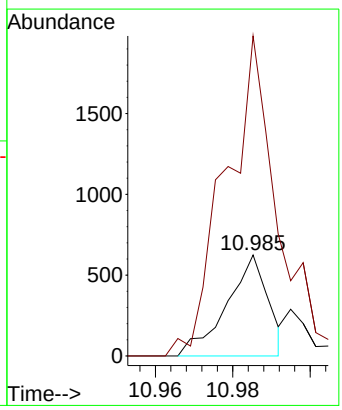


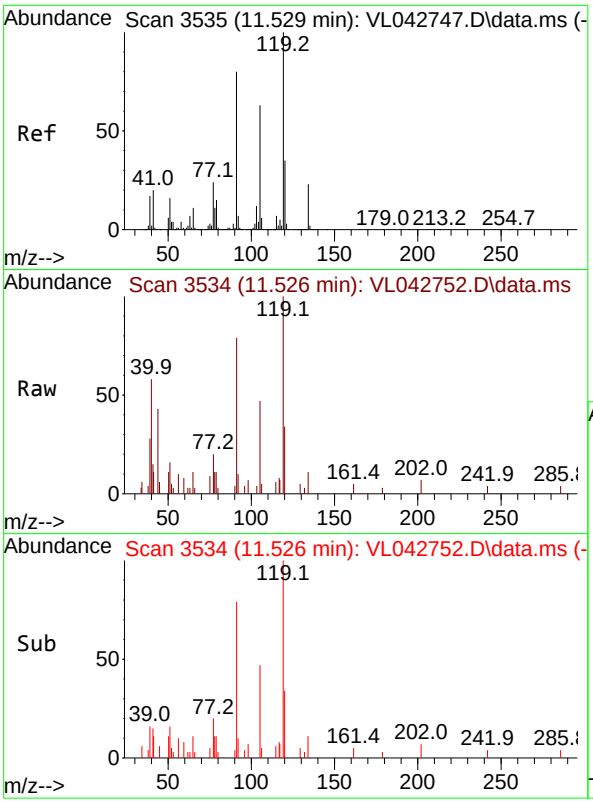


#64
n-propylbenzene
Concen: 0.025 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:120 Resp: 465

Ion	Ratio	Lower	Upper
120	100		
91	408.8	372.7	559.1



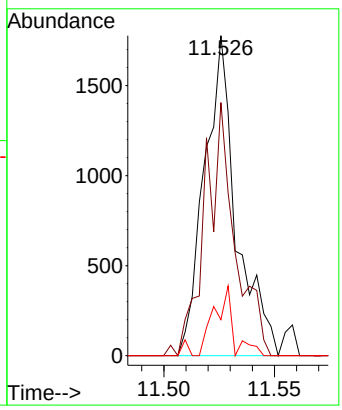


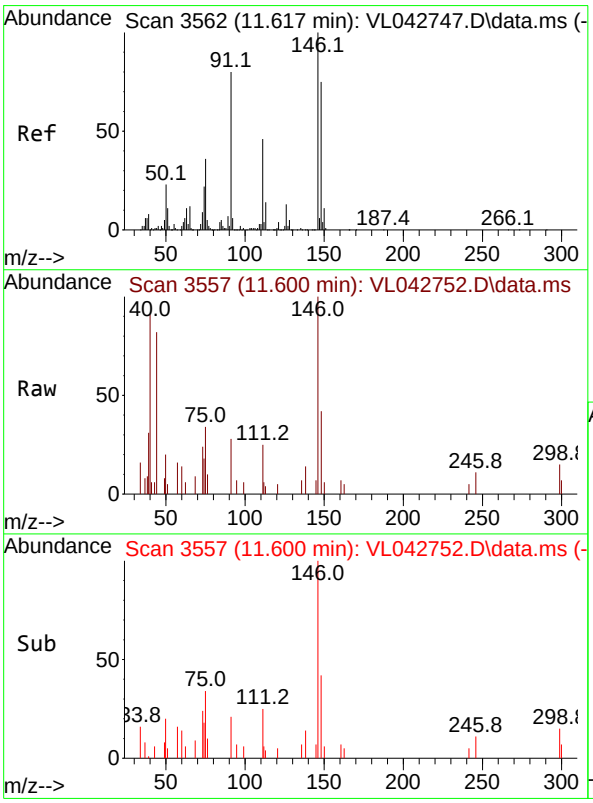
#65
tert-Butylbenzene
Concen: 0.028 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 1786

Ion	Ratio	Lower	Upper
119	100		
91	74.6	64.0	96.0
134	14.2	17.3	25.9#

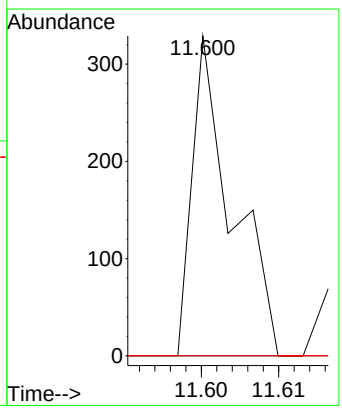


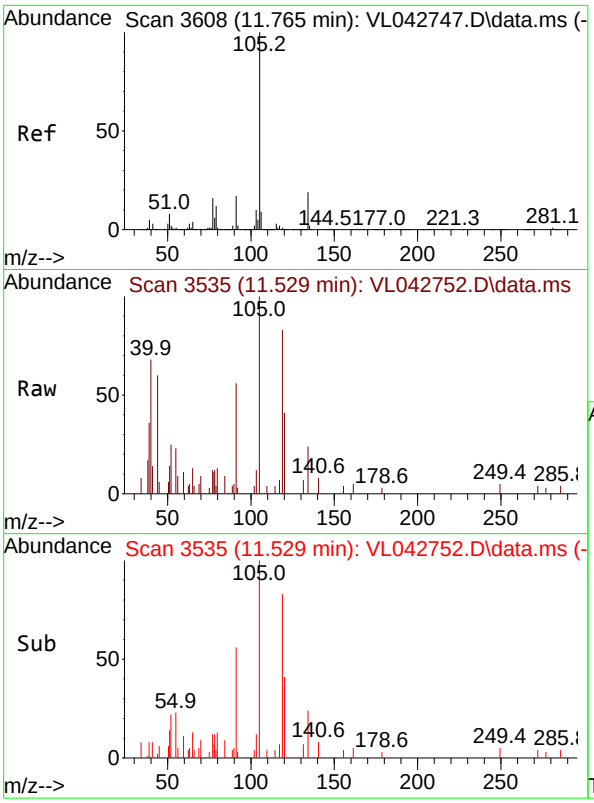


#66
Benzyl Chloride
Concen: 0.022 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.016 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 118

Ion	Ratio	Lower	Upper
91	100		
126	38.1	14.4	21.6#
128	0.0	5.2	7.8#



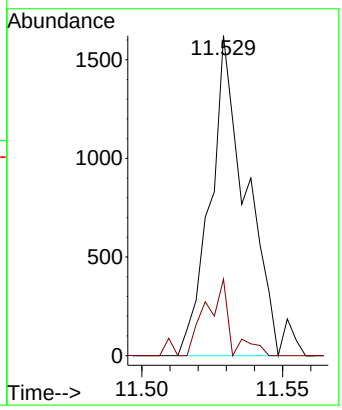


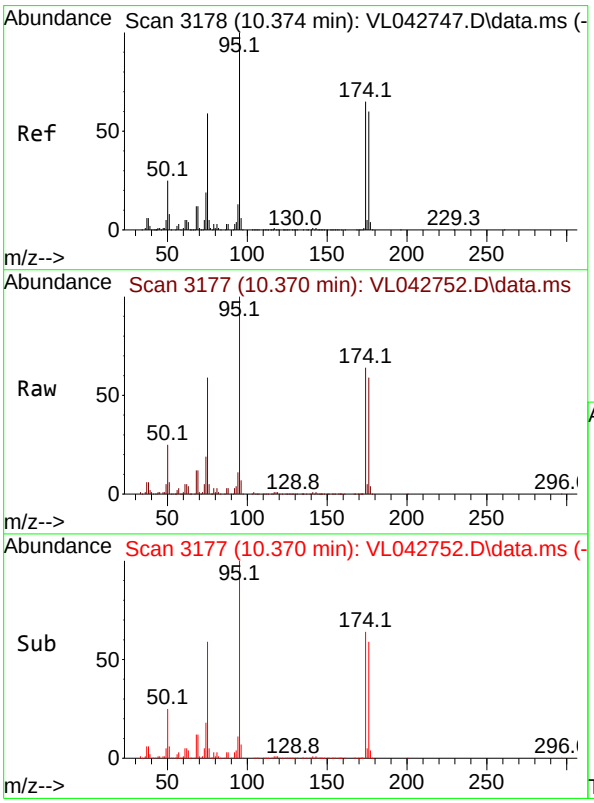
#67
sec-Butylbenzene
Concen: 0.016 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.236 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1421

Ion	Ratio	Lower	Upper
105	100		
134	17.8	15.5	23.3

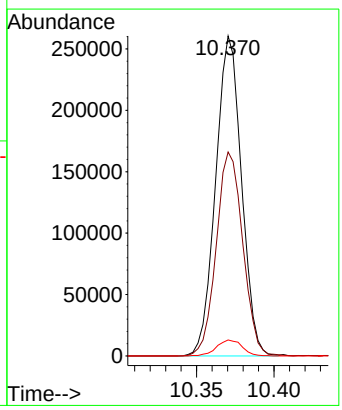


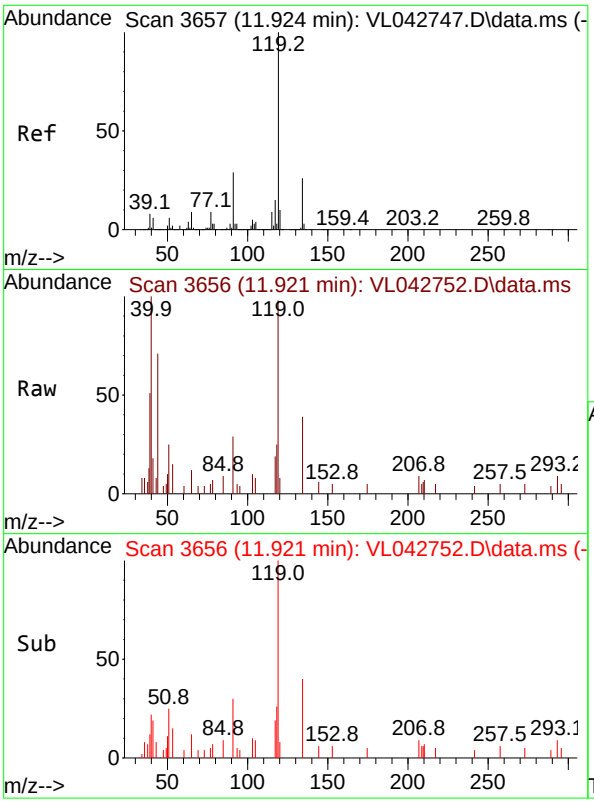


#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 95 Resp: 302164

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.8	80.6
175	5.0	4.0	6.0



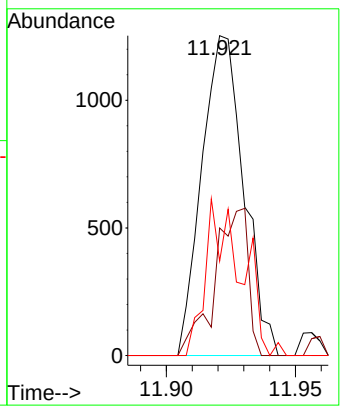


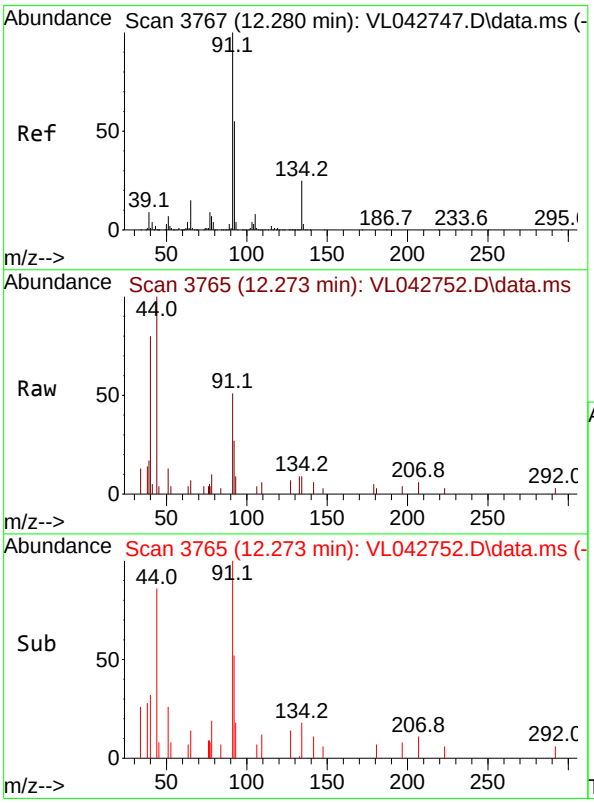
#69
p-Isopropyltoluene
Concen: 0.019 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 1420

Ion	Ratio	Lower	Upper
119	100		
134	36.6	20.6	31.0#
91	41.5	23.2	34.8#

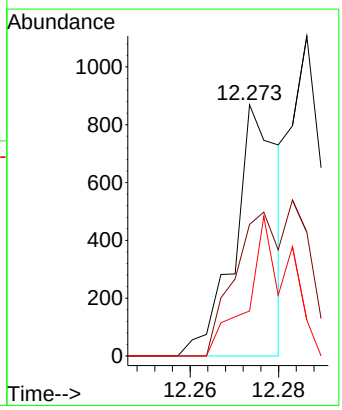


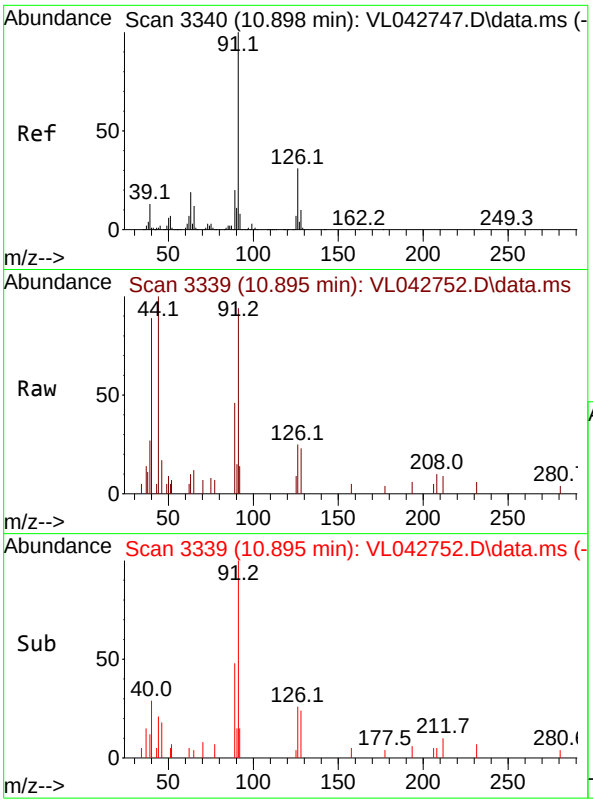


#70
n-Butylbenzene
Concen: 0.008 ppbv
RT: 12.273 min Scan# 3765
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 91 Resp: 591

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.4	65.2#
134	62.9	19.6	29.4#



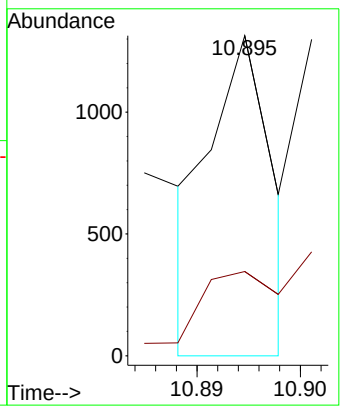


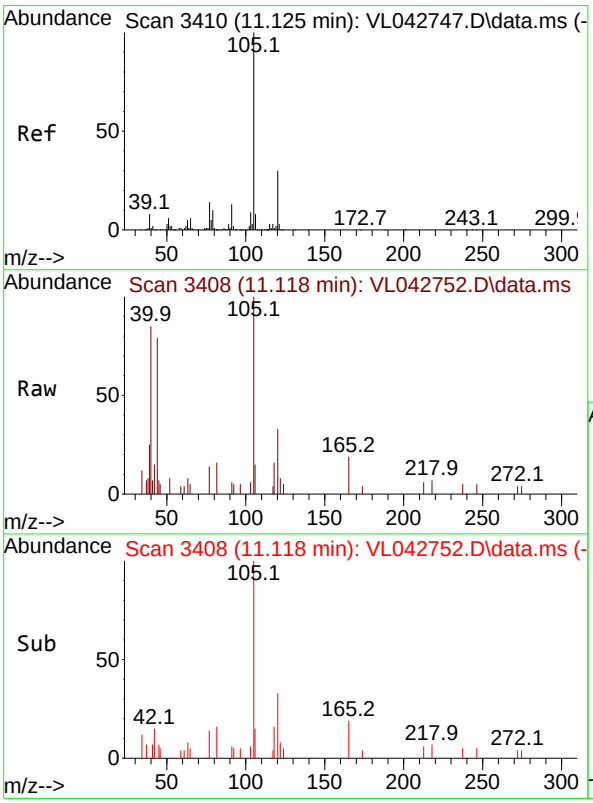
#71
2-Chlorotoluene
Concen: 0.010 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 547

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.0	48.2#

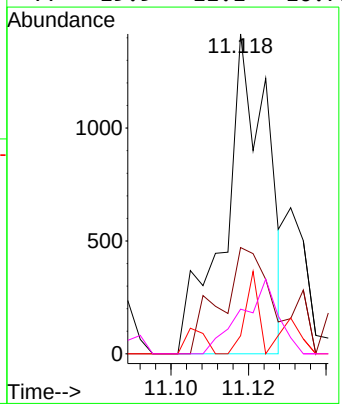


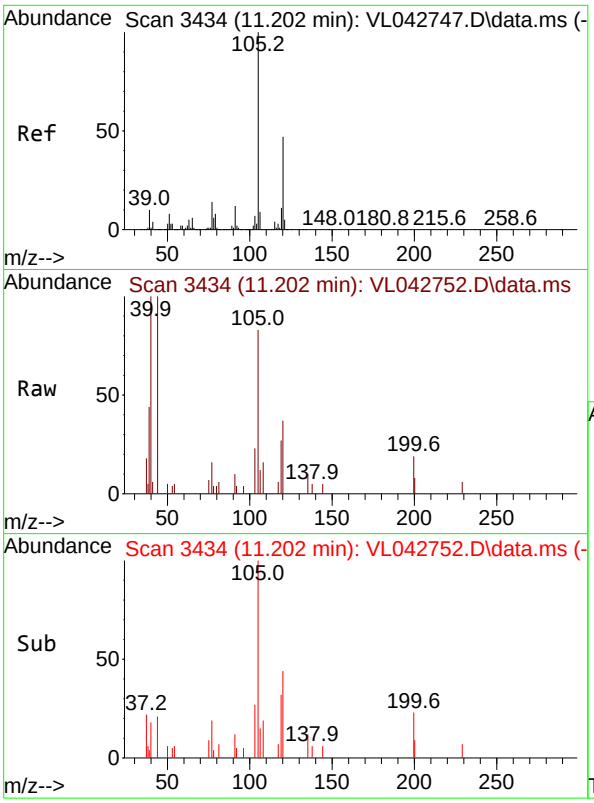


#72
4-Ethyltoluene
Concen: 0.019 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1098

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.4	36.6#
91	11.5	10.6	15.8
77	19.9	11.1	16.7#



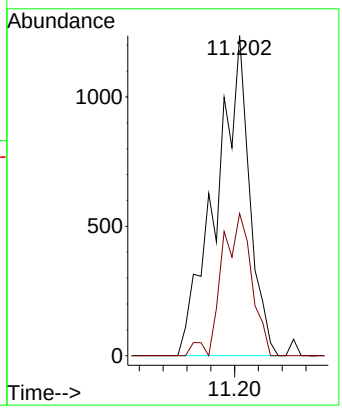


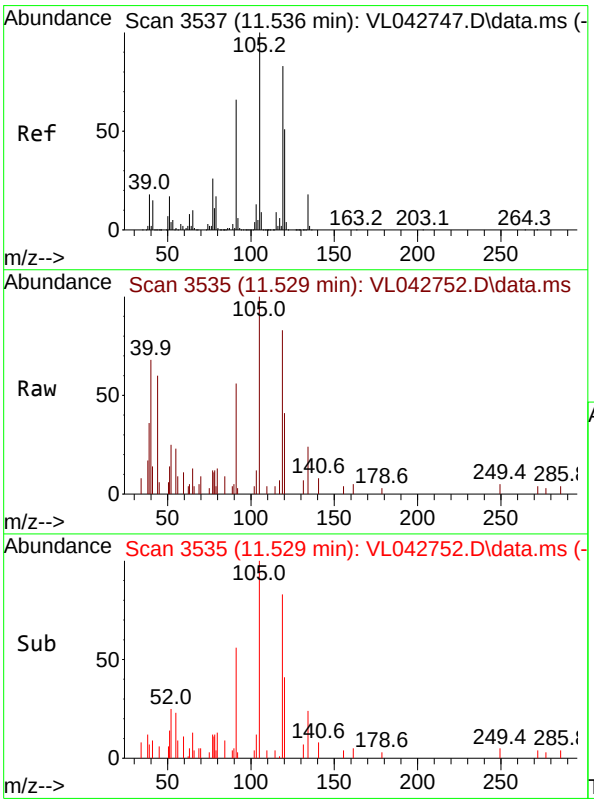
#73
1,3,5-Trimethylbenzene
Concen: 0.025 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1204

Ion	Ratio	Lower	Upper
105	100		
120	44.5	37.8	56.8

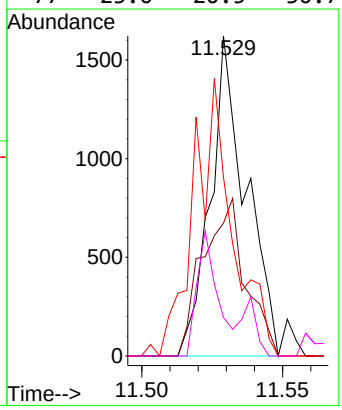


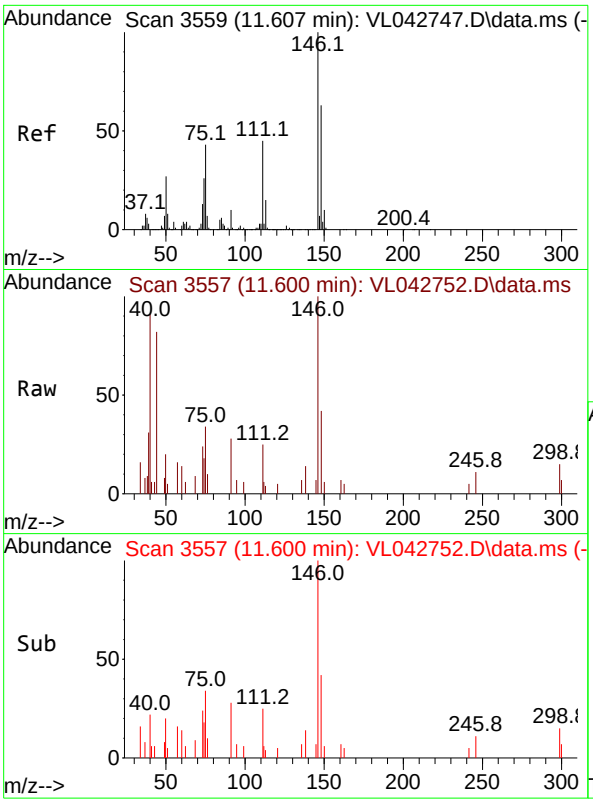


#74
1,2,4-Trimethylbenzene
Concen: 0.027 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1421

Ion	Ratio	Lower	Upper
105	100		
120	41.5	40.8	61.2
91	55.8	53.0	79.4
77	23.0	20.5	30.7



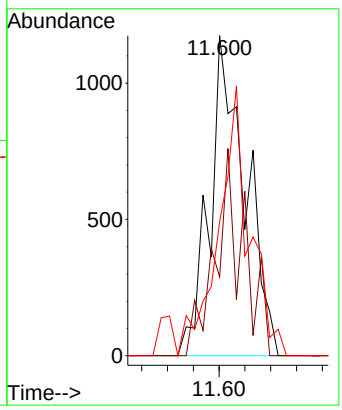


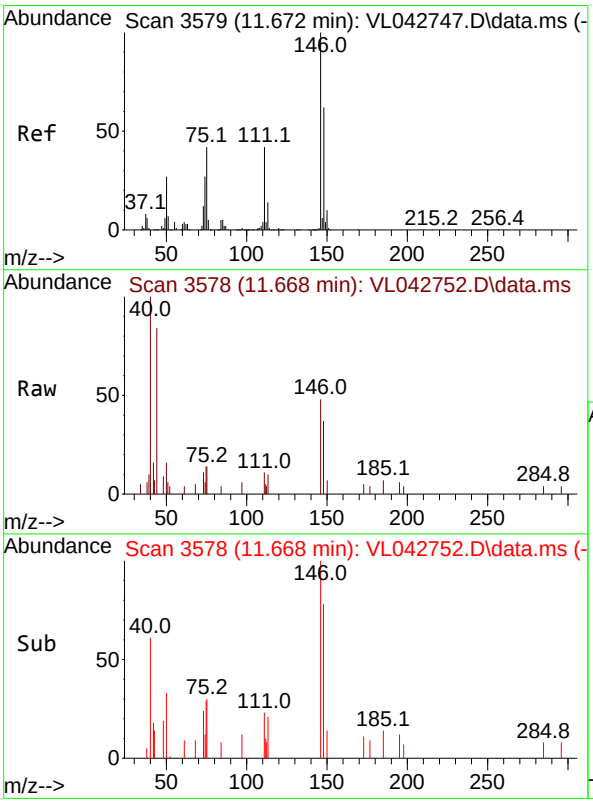
#75
1,3-Dichlorobenzene
Concen: 0.031 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1122

Ion	Ratio	Lower	Upper
146	100		
111	51.6	22.7	68.0
148	77.2	31.9	95.5

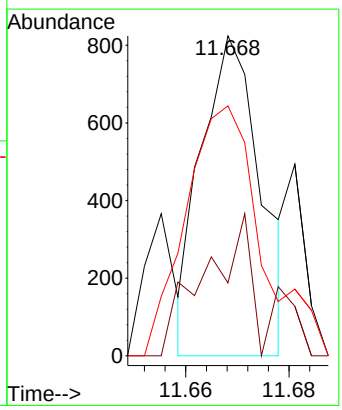


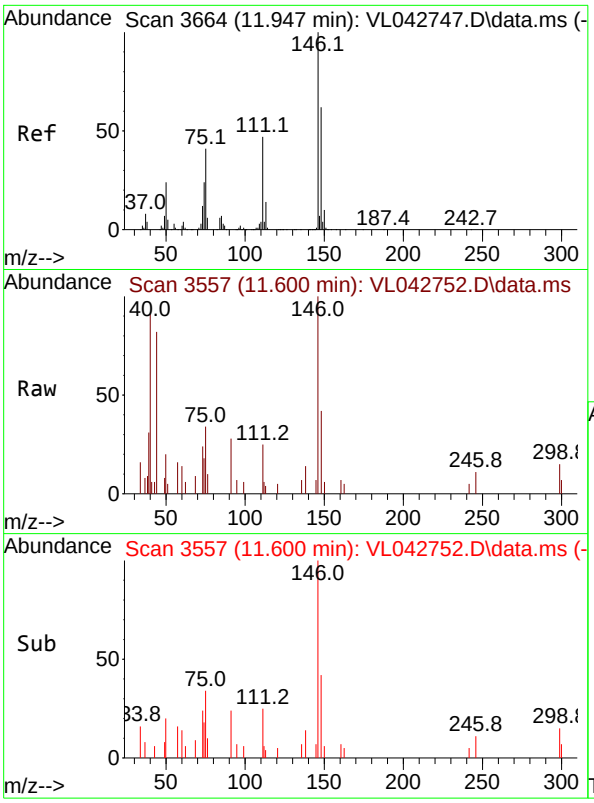


#76
1,4-Dichlorobenzene
Concen: 0.018 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:146 Resp: 658

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	99.2	32.1	96.3#



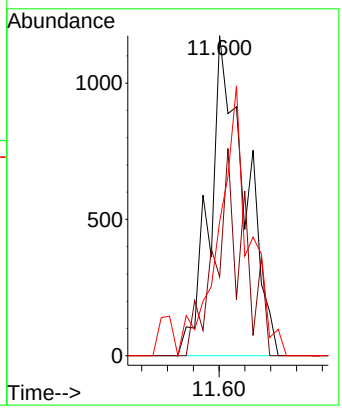


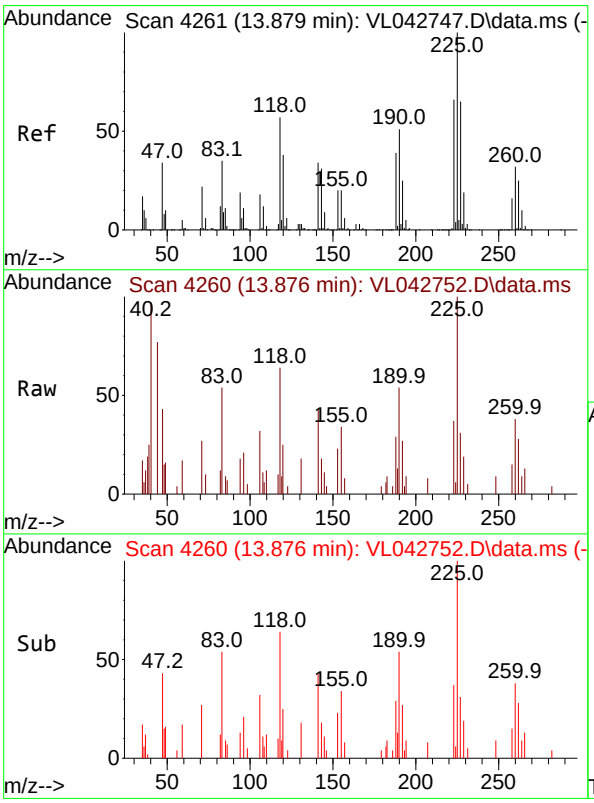
#77
1,2-Dichlorobenzene
Concen: 0.031 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.347 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1122

Ion	Ratio	Lower	Upper
146	100		
111	51.6	23.7	71.1
148	77.2	32.6	97.7

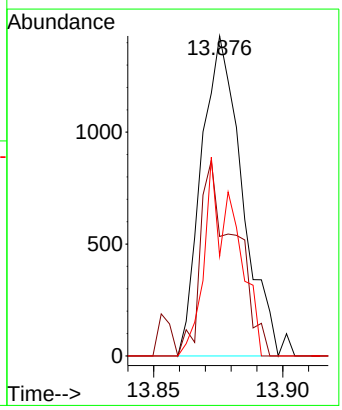


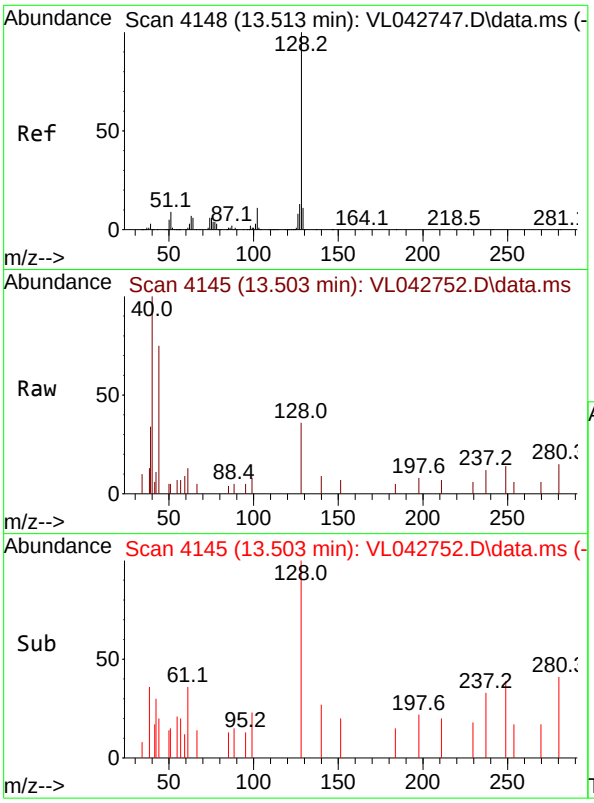


#78
Hexachloro-1,3-Butadiene
Concen: 0.048 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:225 Resp: 1559

Ion	Ratio	Lower	Upper
225	100		
223	56.2	50.7	76.1
227	47.8	50.5	75.7#



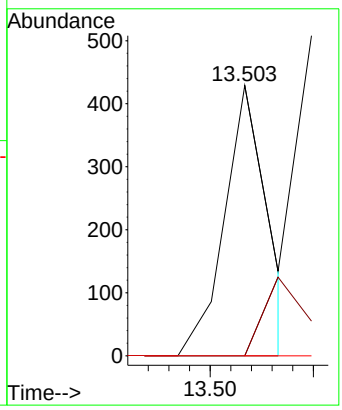


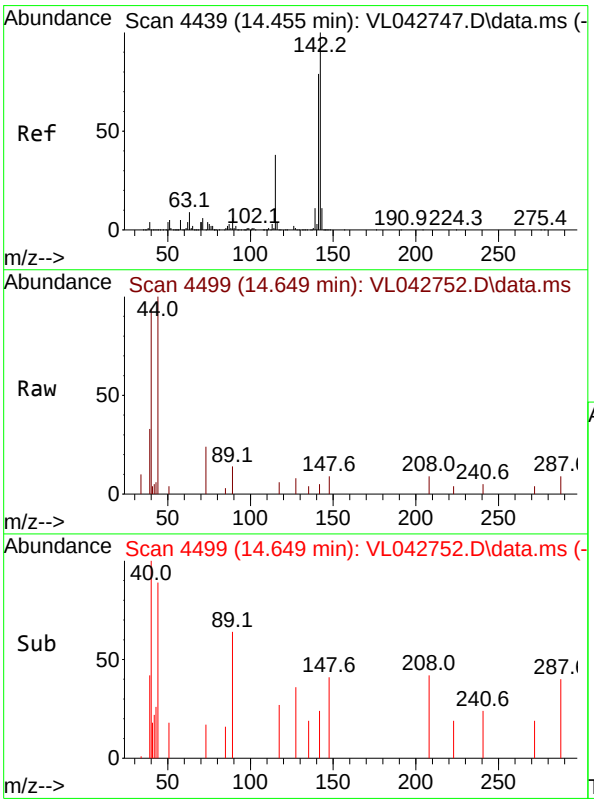
#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.503 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 126

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#

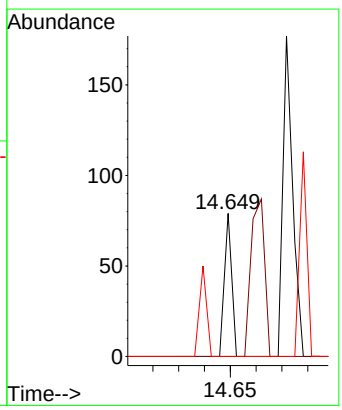


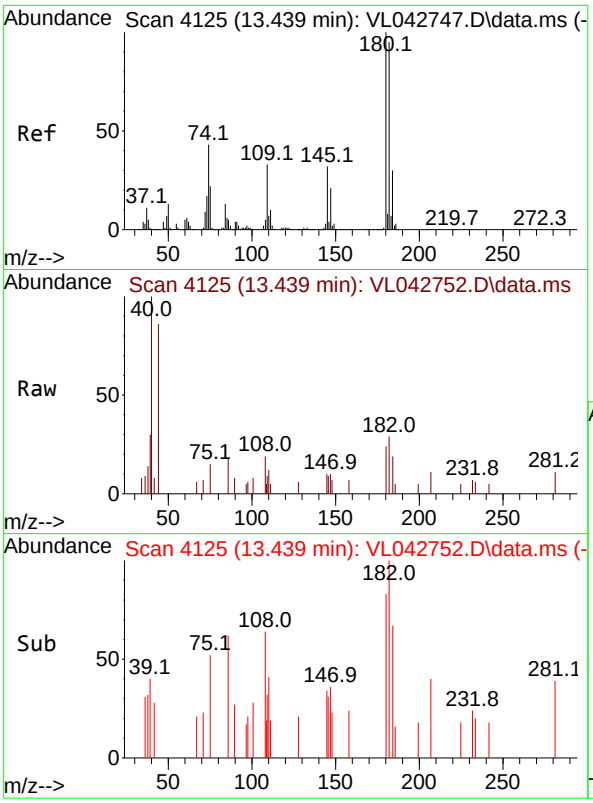


#80
Naphthalene,2-methyl-
Concen: 1.127 ppbv
RT: 14.649 min Scan# 4499
Delta R.T. 0.194 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:142 Resp: 15

Ion	Ratio	Lower	Upper
142	100		
141	0.0	65.8	98.8#
115	66.7	31.2	46.8#



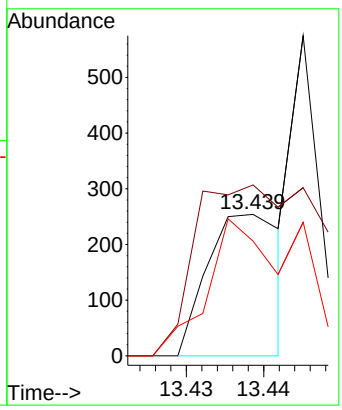


#81
1,2,4-Trichlorobenzene
Concen: 0.438 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 170

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	116.5	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	315293	10.335	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

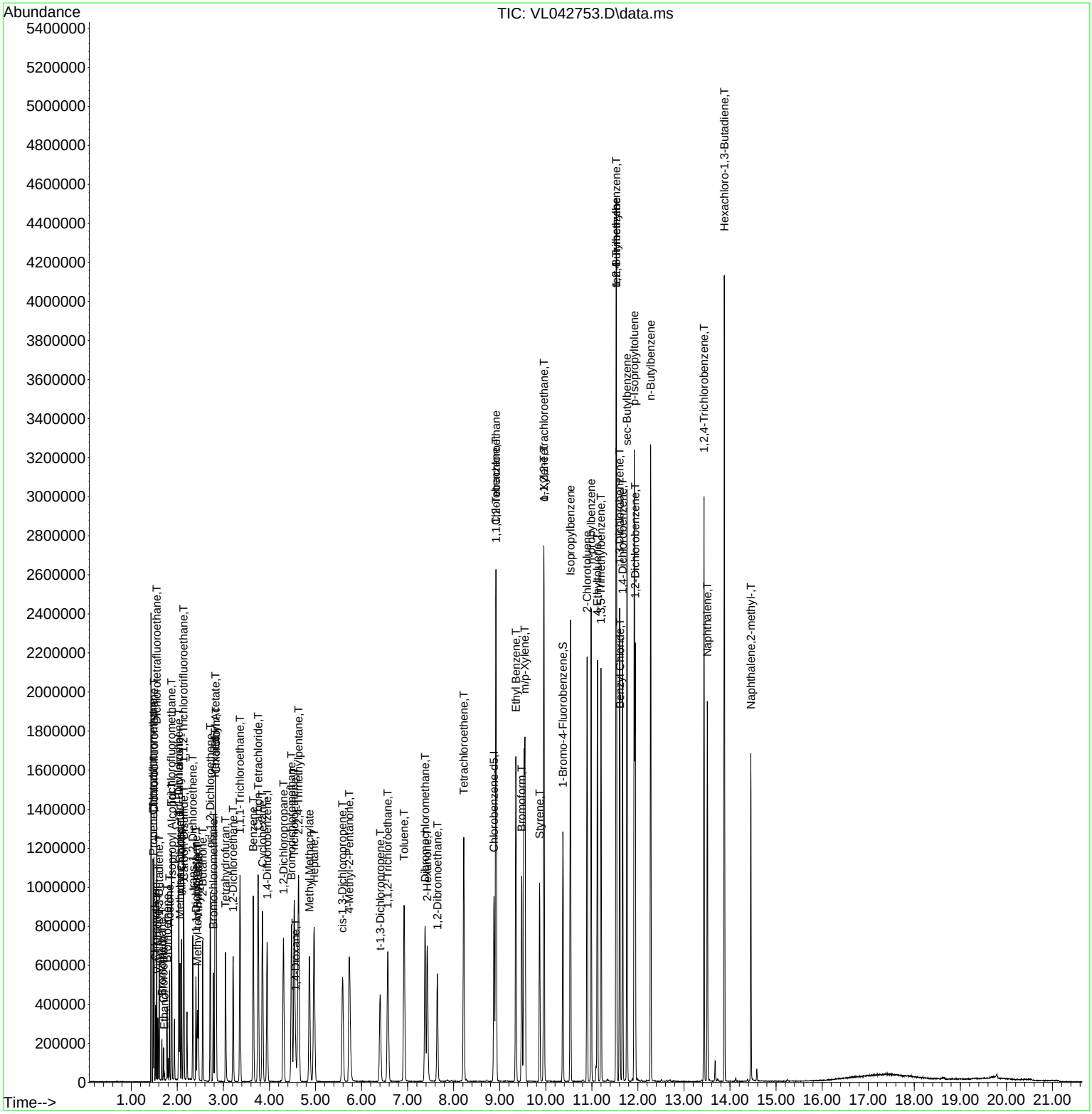
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	329850	16.115	ppbv		99
47) 1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv		96
48) Dibromochloromethane	7.380	129	397179	15.695	ppbv		99
49) Bromoform	9.477	173	352050	15.955	ppbv		97
50) 4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv		100
51) 2-Hexanone	7.428	43	485325	16.467	ppbv	#	100
52) Tetrachloroethene	8.221	164	217184	12.899	ppbv		95
53) Toluene	6.923	91	670142	15.405	ppbv		99
54) 1,2-Dibromoethane	7.645	107	338867	15.019	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv		99
57) Chlorobenzene	8.917	112	522894	14.025	ppbv		98
58) Ethyl Benzene	9.351	91	940159	15.454	ppbv		99
59) m/p-Xylene	9.545	91	766284	15.756	ppbv	#	34
60) o-Xylene	9.959	91	730161	15.030	ppbv		100
61) Styrene	9.866	104	343429	16.805	ppbv		100
62) Isopropylbenzene	10.536	105	1078393	15.049	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv		98
64) n-propylbenzene	10.985	120	286724	15.348	ppbv		97
65) tert-Butylbenzene	11.529	119	954459	14.995	ppbv		98
66) Benzyl Chloride	11.610	91	94218	18.031	ppbv		98
67) sec-Butylbenzene	11.762	105	1327393	14.662	ppbv		99
69) p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv		99
70) n-Butylbenzene	12.277	91	1152207	16.159	ppbv		100
71) 2-Chlorotoluene	10.898	91	838335	15.257	ppbv		99
72) 4-Ethyltoluene	11.121	105	918453	15.830	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv		97
75) 1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv		100
77) 1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv		99
79) Naphthalene	13.507	128	876734	15.265	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv		98
81) 1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv		99

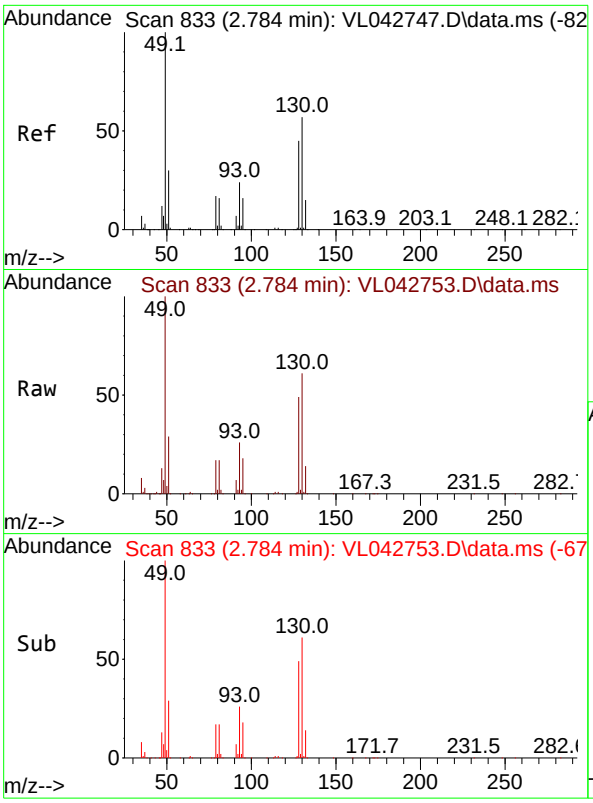
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042753.D
Acq On : 23 Jul 2025 12:26
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



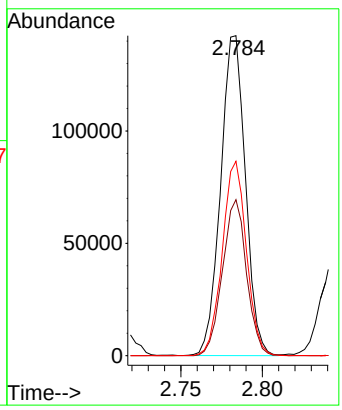


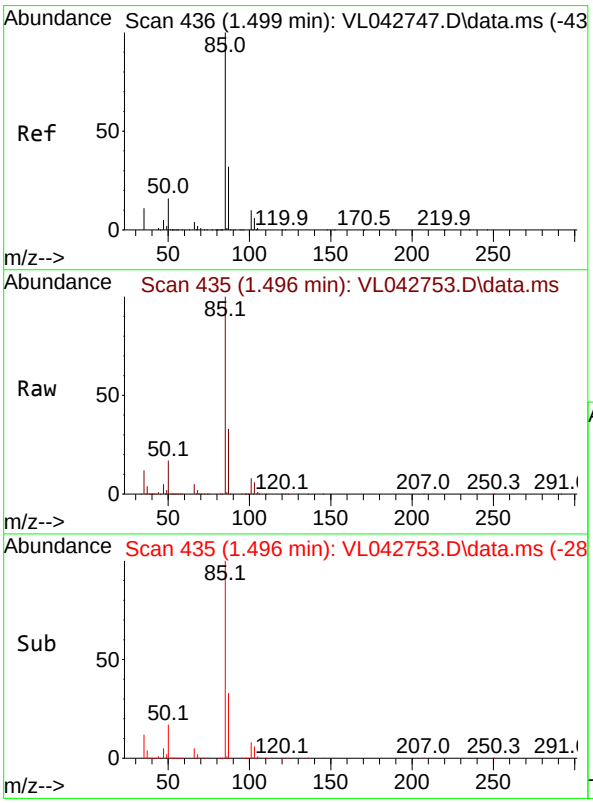
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 150331

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	59.2	30.3	90.8

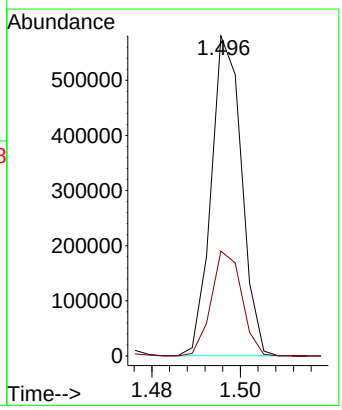


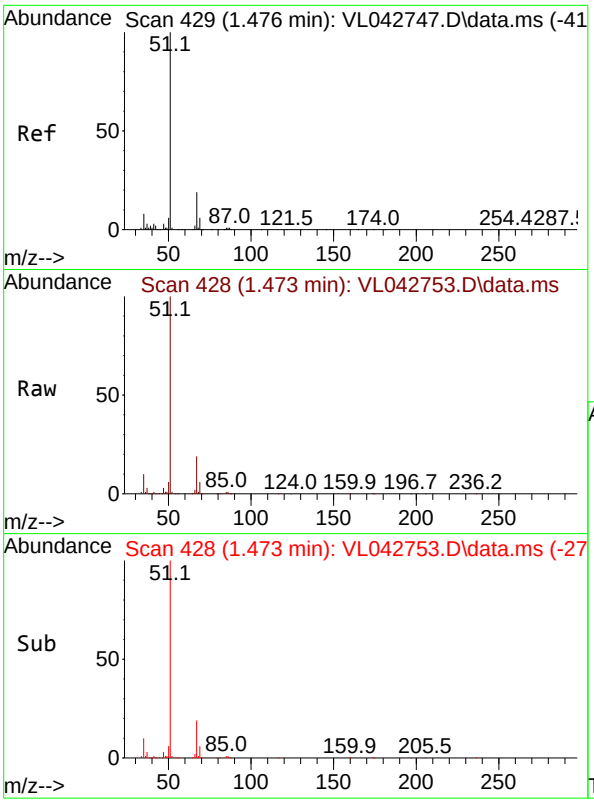


#2
Dichlorodifluoromethane
Concen: 13.938 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 277045

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.4	38.2



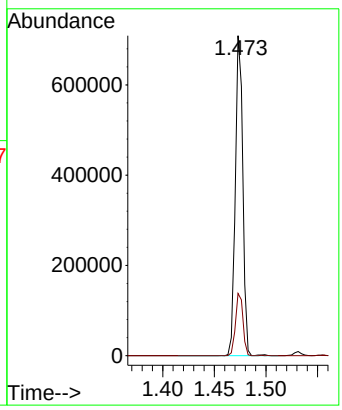


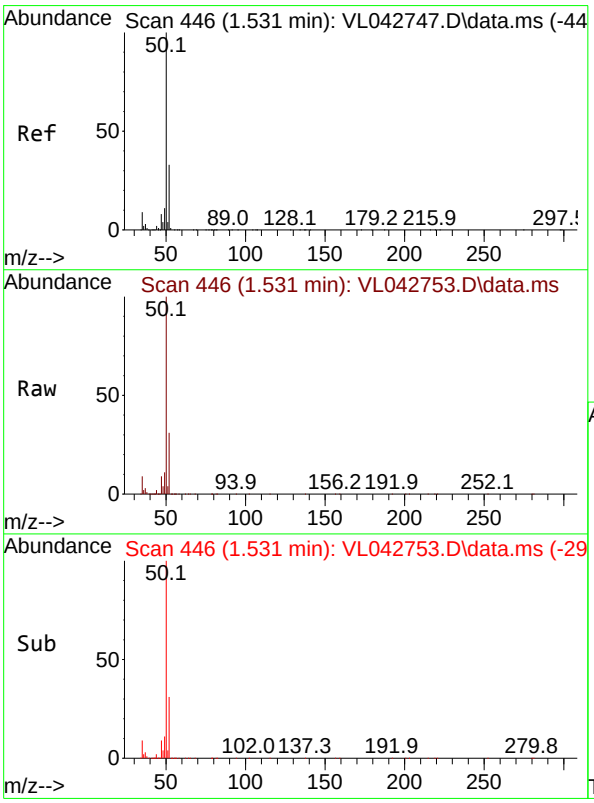
#3
Chlorodifluoromethane
Concen: 13.651 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 353451

Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.0	22.6

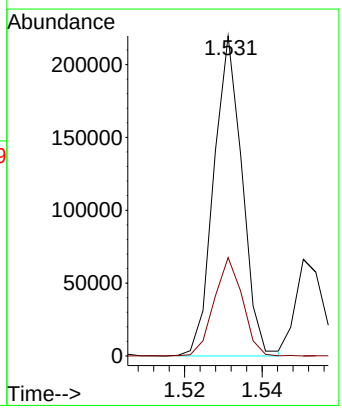


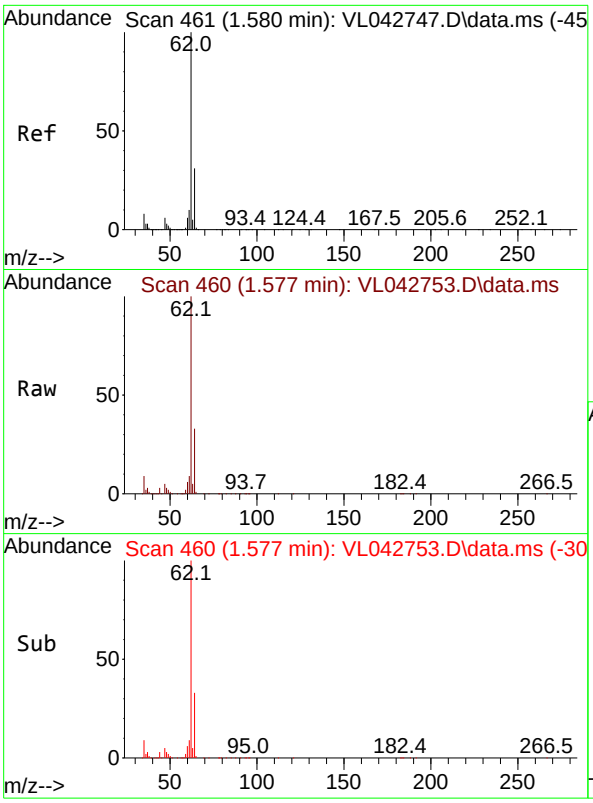


#4
Chloromethane
Concen: 13.889 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 50 Resp: 111684

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.6	40.0



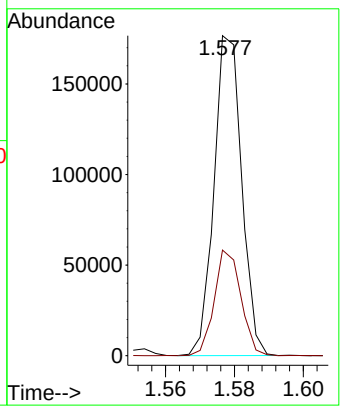


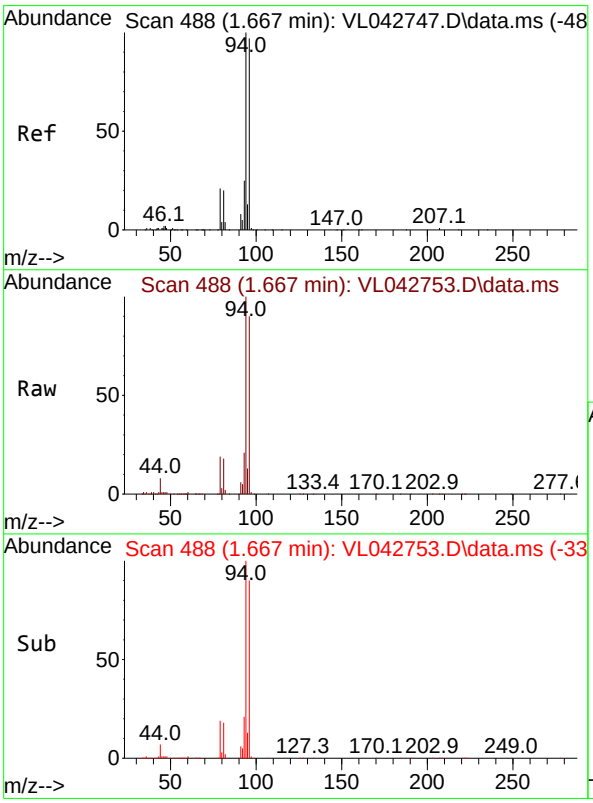
#5
Vinyl Chloride
Concen: 12.410 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 98596

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7

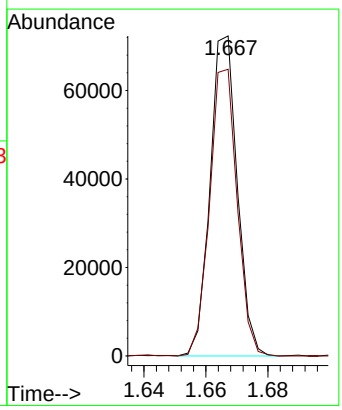


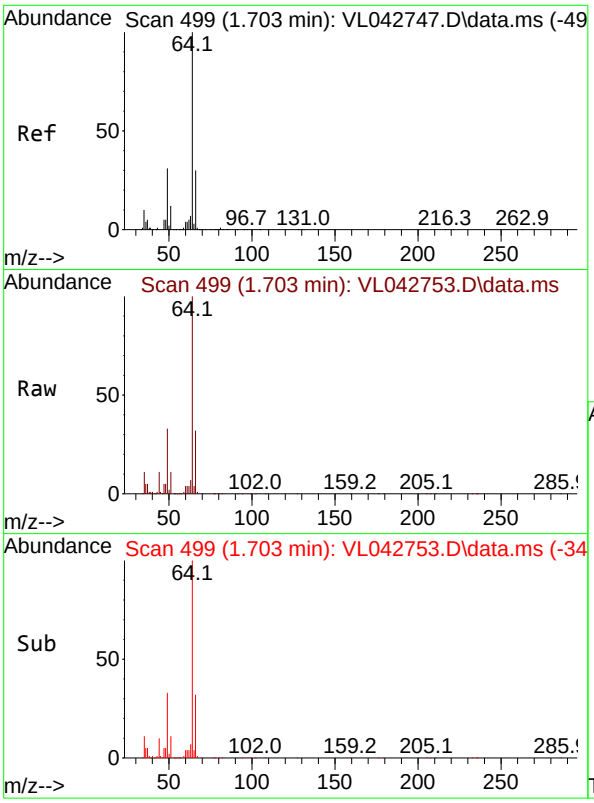


#6
Bromomethane
Concen: 14.372 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 94 Resp: 44144

Ion	Ratio	Lower	Upper
94	100		
96	89.6	77.6	116.4



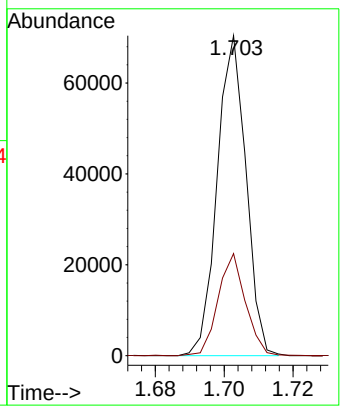


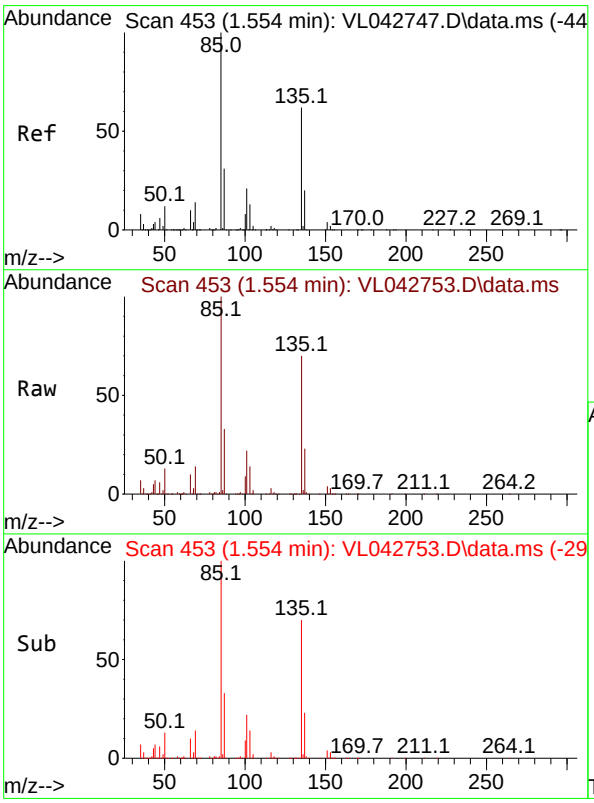
#7
Chloroethane
Concen: 13.327 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 40909

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.1	36.1

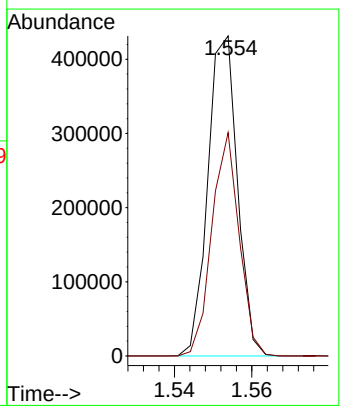


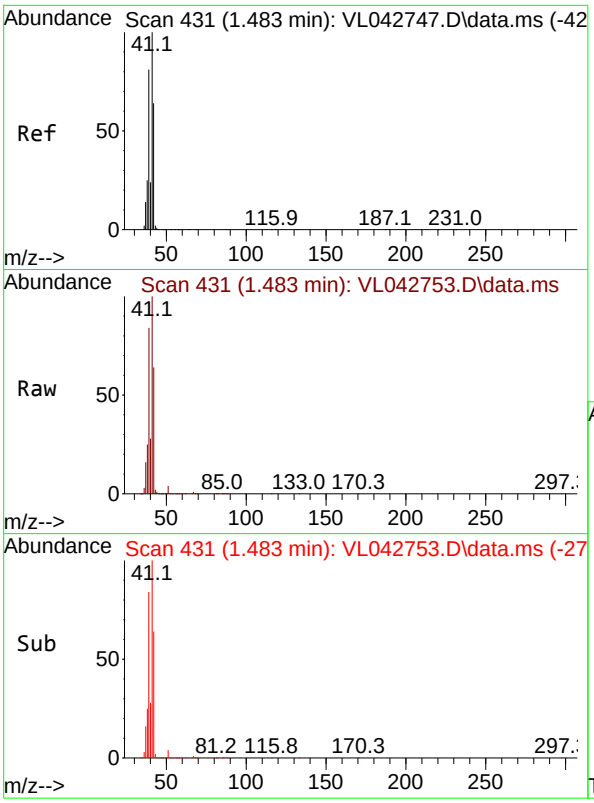


#8
Dichlorotetrafluoroethane
Concen: 14.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 229298

Ion	Ratio	Lower	Upper
85	100		
135	64.4	50.6	76.0



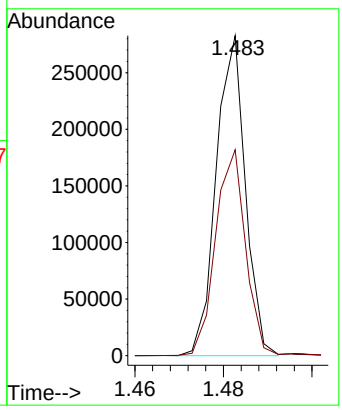


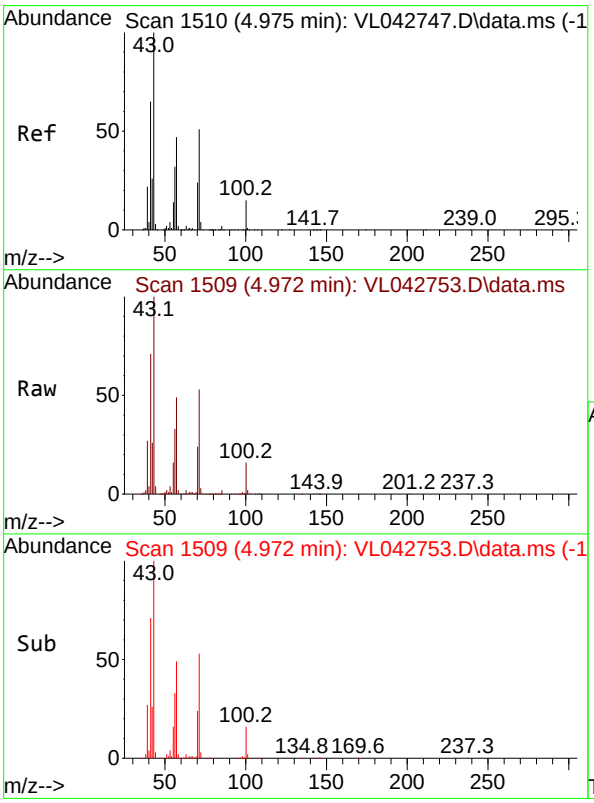
#9
Propene
Concen: 13.716 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 129069

Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.2	79.8

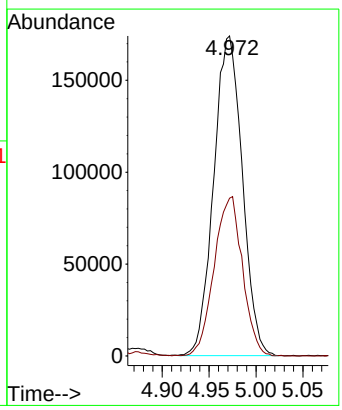


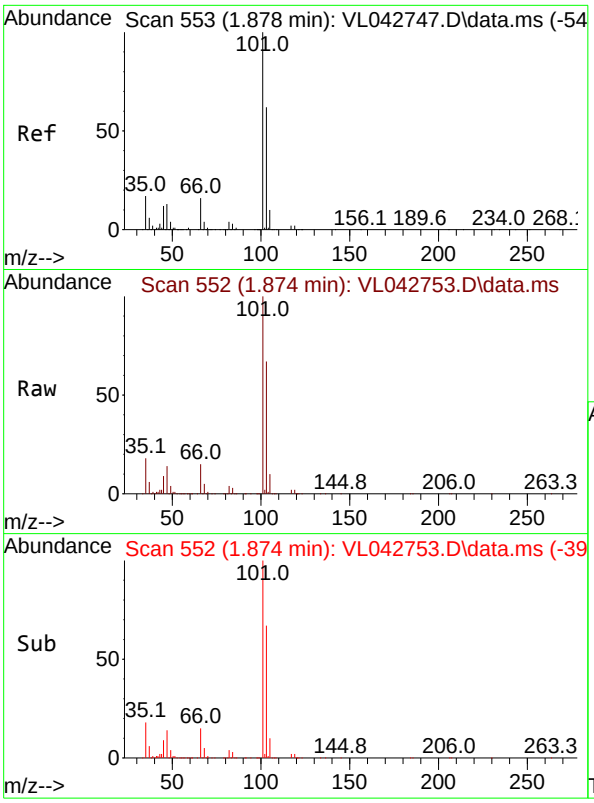


#10
Heptane
Concen: 14.563 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 368612

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.9	59.9



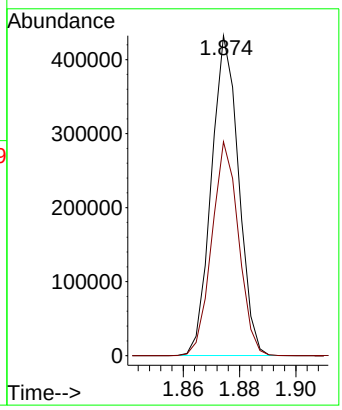


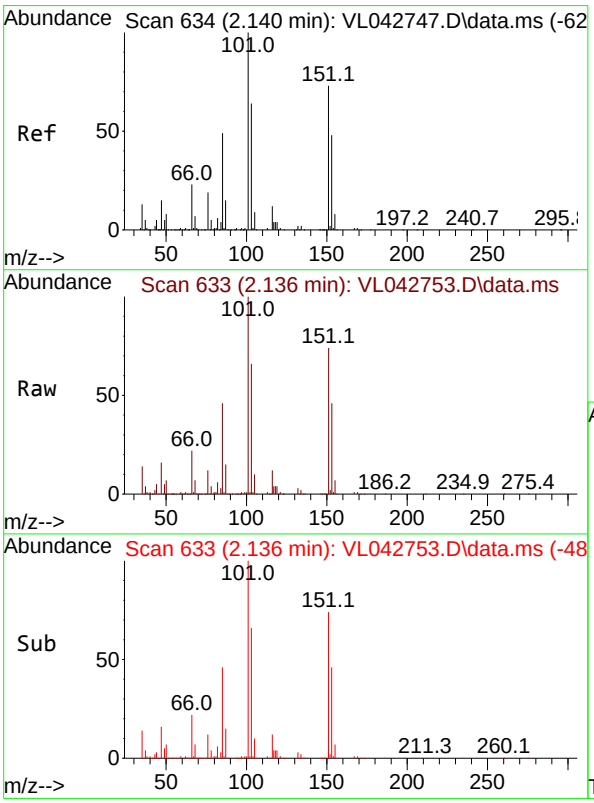
#11
Trichlorofluoromethane
Concen: 14.143 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 289764

Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.6	74.4

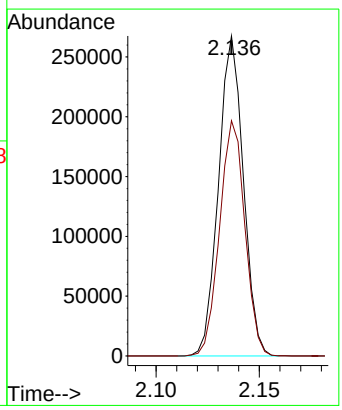


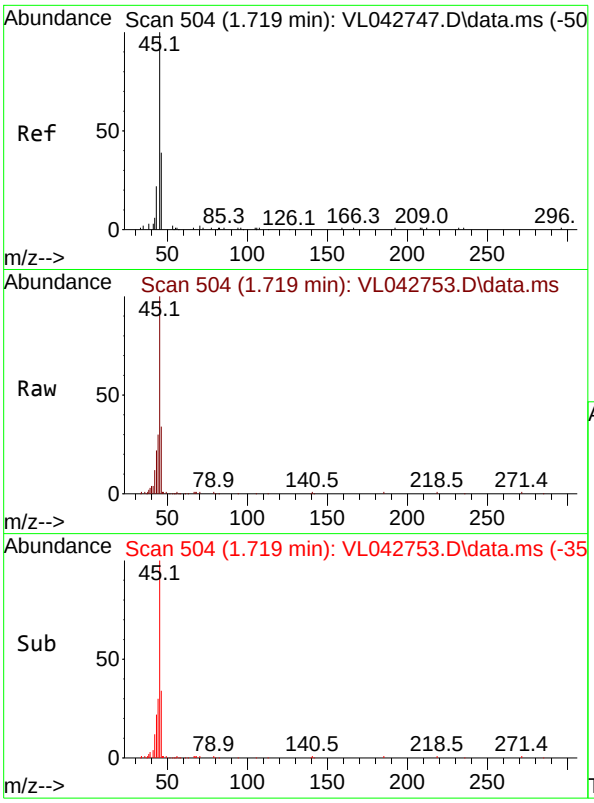


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.358 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 223552

Ion	Ratio	Lower	Upper
101	100		
151	74.9	60.5	90.7



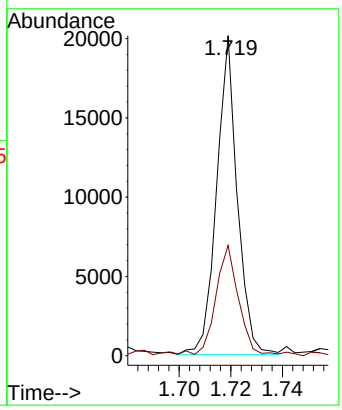


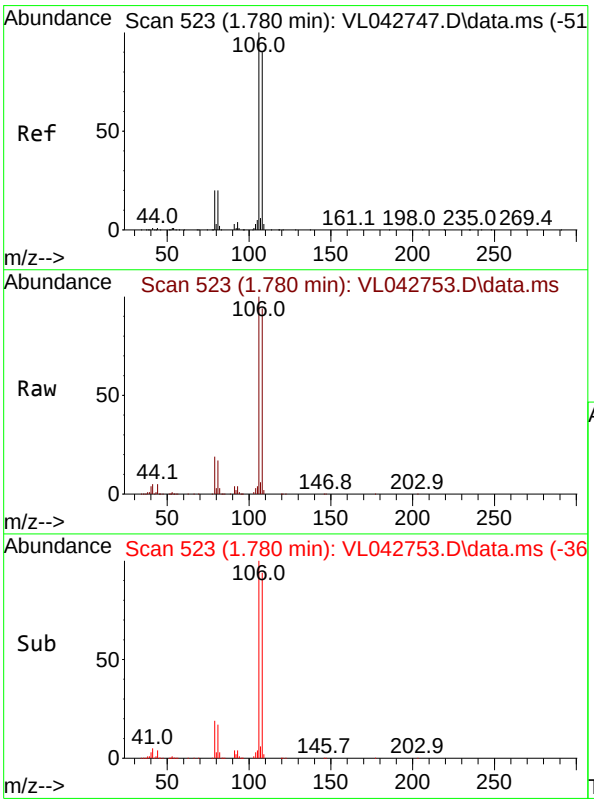
#13
Ethanol
Concen: 15.142 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 11145

Ion	Ratio	Lower	Upper
45	100		
46	35.4	17.8	71.4

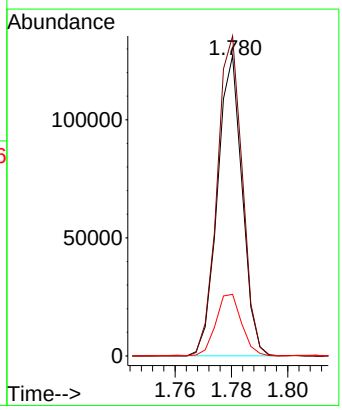


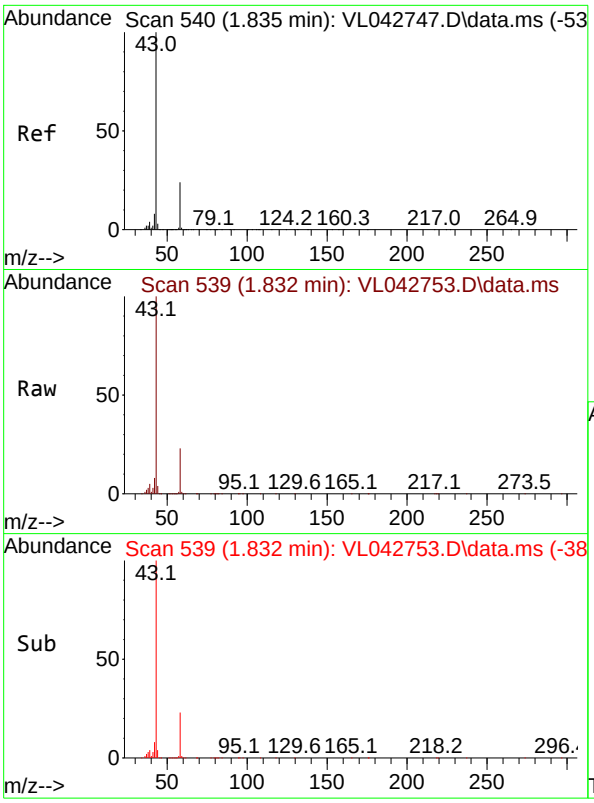


#14
Bromoethene
Concen: 14.047 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:108 Resp: 77435

Ion	Ratio	Lower	Upper
108	100		
106	108.5	84.7	127.1
79	22.3	17.4	26.2



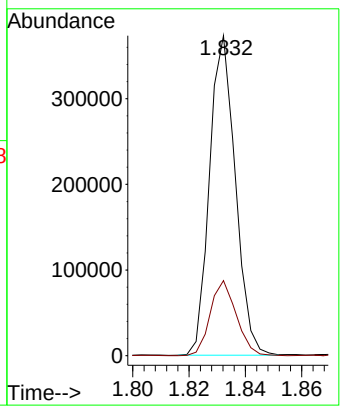


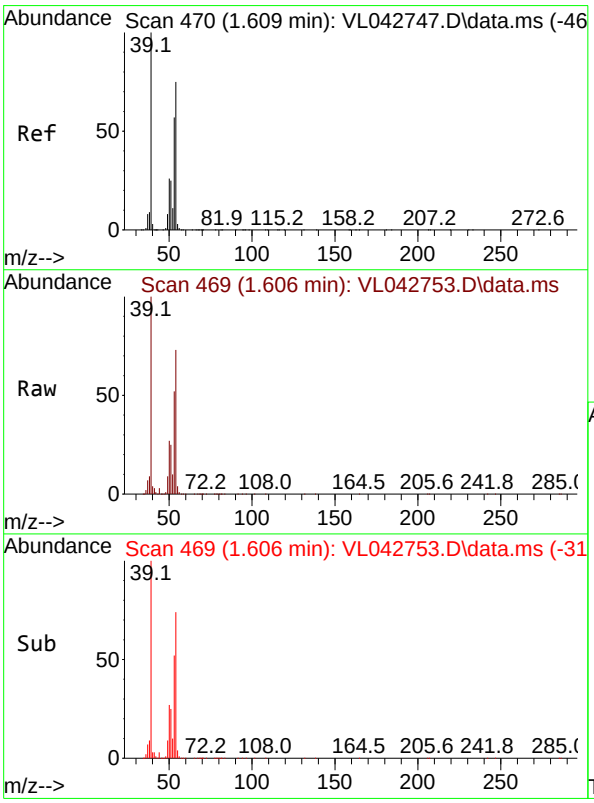
#15
Acetone
Concen: 11.449 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 237665

Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.8	29.8

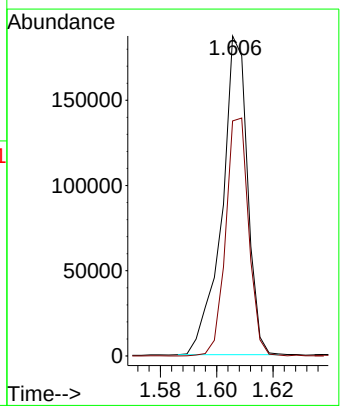


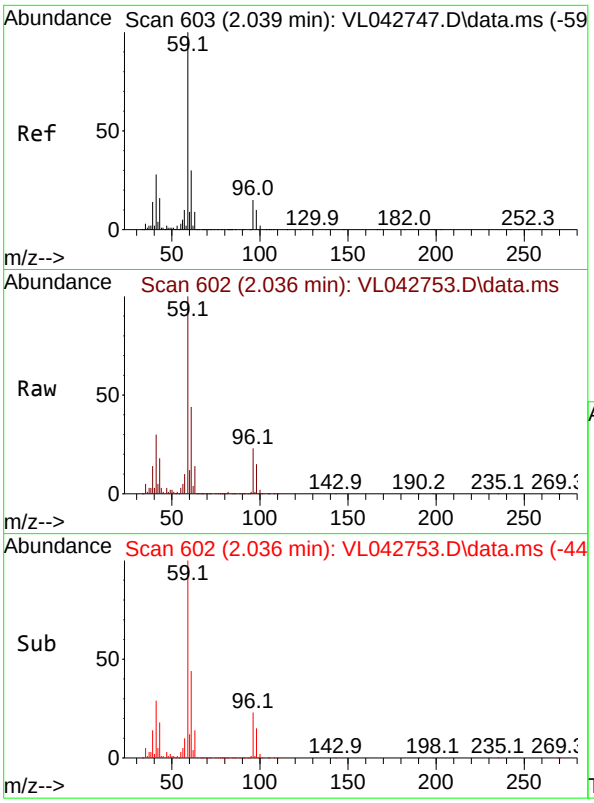


#16
1,3-Butadiene
Concen: 13.355 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 39 Resp: 118252

Ion	Ratio	Lower	Upper
39	100		
54	67.5	54.5	81.7



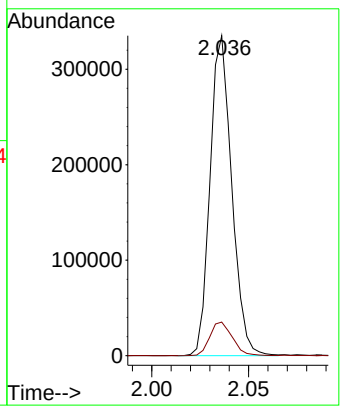


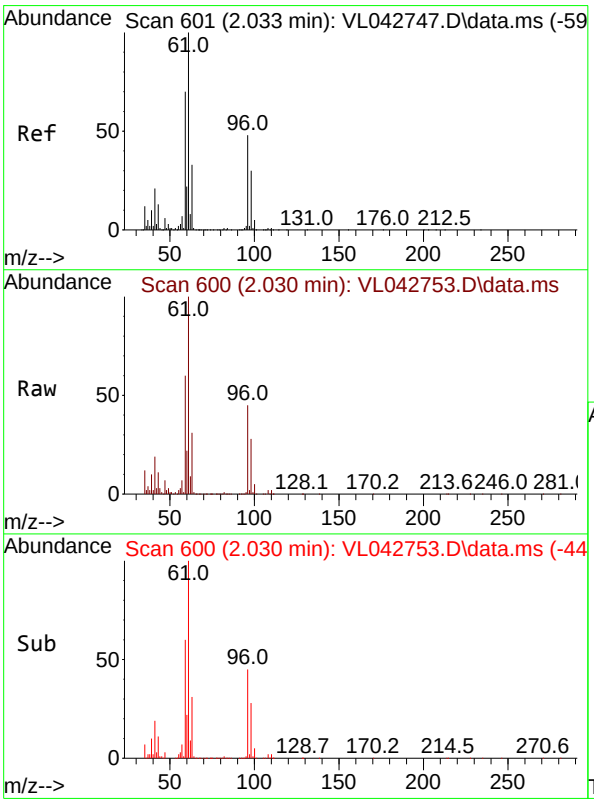
#17
tert-Butyl alcohol
Concen: 13.919 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 260587

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

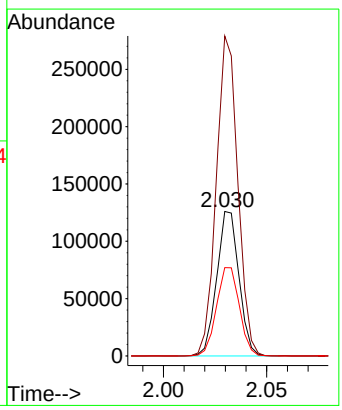


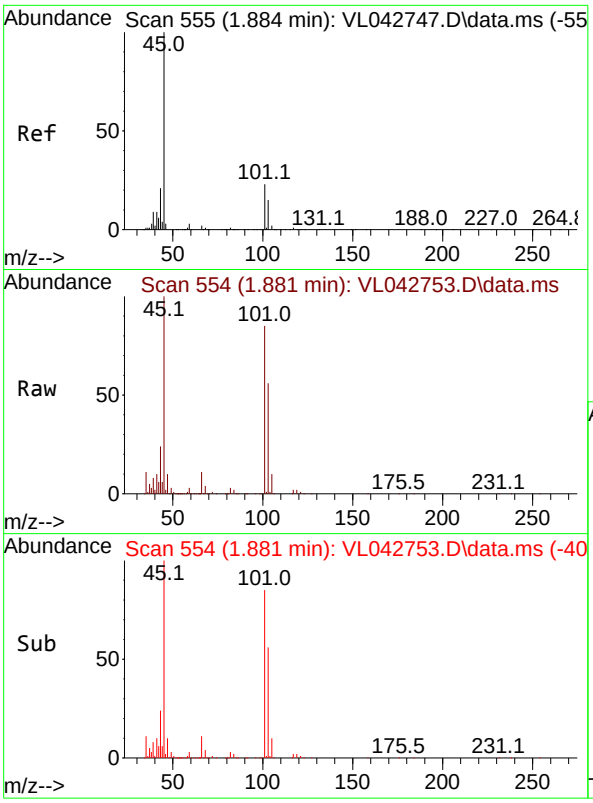


#18
1,1-Dichloroethene
Concen: 13.382 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 94140

Ion	Ratio	Lower	Upper
96	100		
61	221.6	165.8	248.6
98	61.2	49.9	74.9



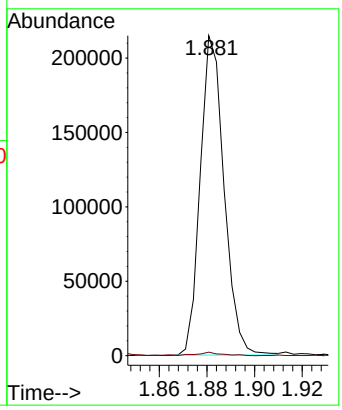


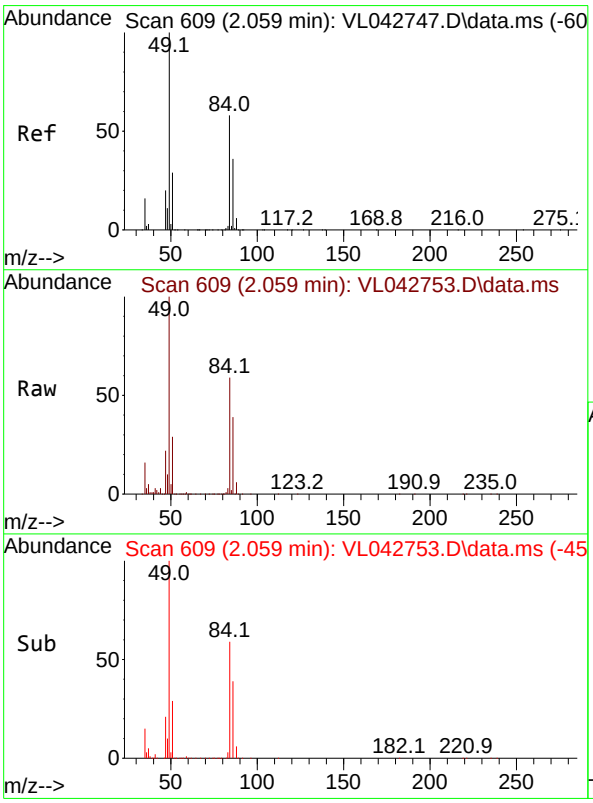
#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 149463

Ion	Ratio	Lower	Upper
45	100		
58	38.1	30.0	45.0

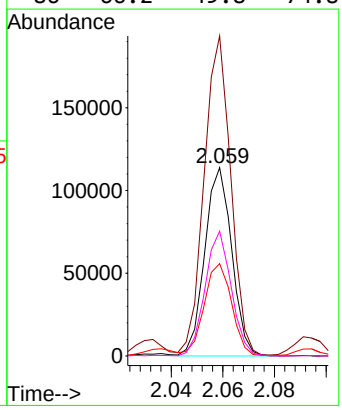


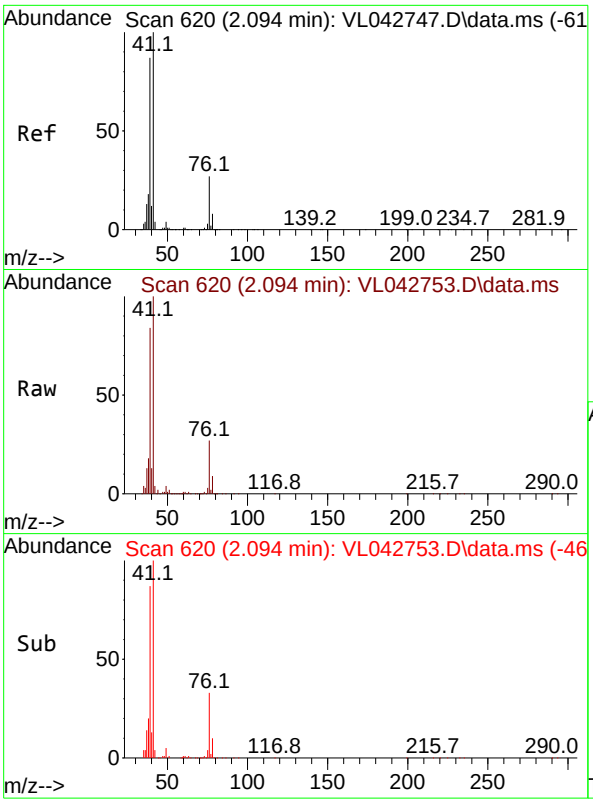


#20
Methylene Chloride
Concen: 12.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 82755

Ion	Ratio	Lower	Upper
84	100		
49	169.2	138.6	208.0
51	48.6	40.6	61.0
86	66.2	49.8	74.8



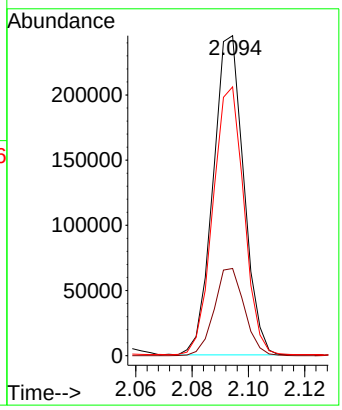


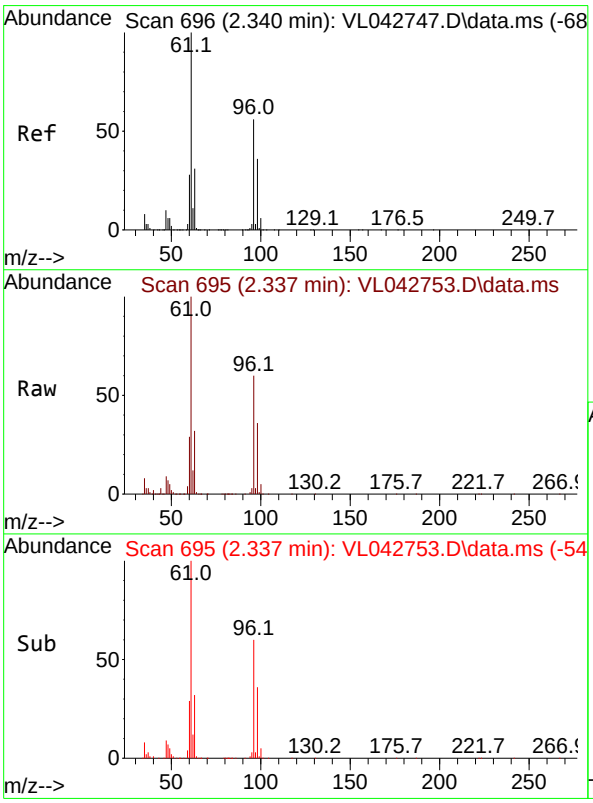
#21
Allyl Chloride
Concen: 14.476 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 185201

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.1	31.7
39	85.2	68.3	102.5

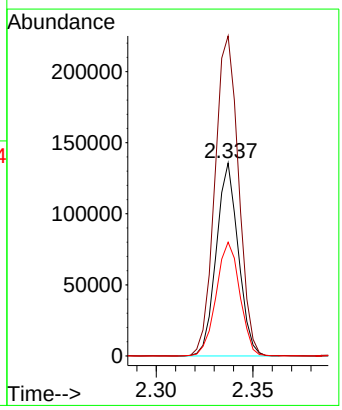


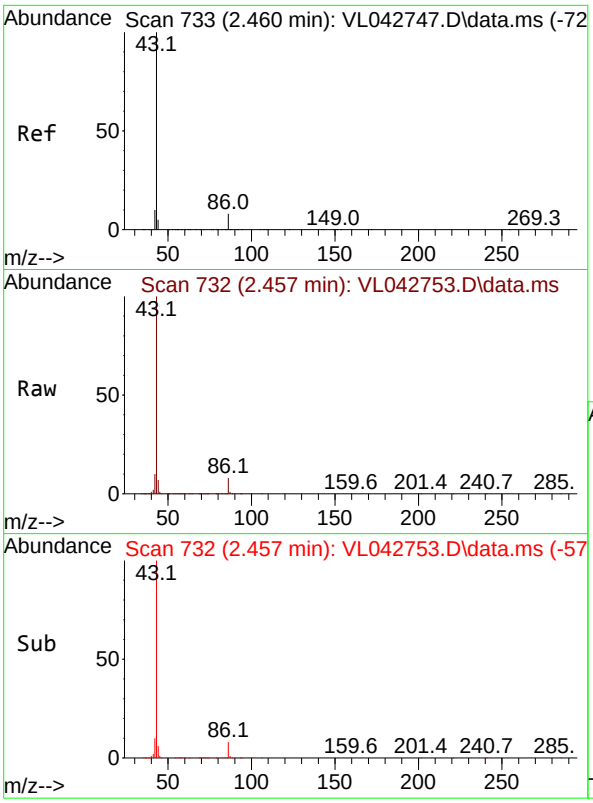


#22
trans-1,2-Dichloroethene
Concen: 14.160 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 107003

Ion	Ratio	Lower	Upper
96	100		
61	165.9	142.3	213.5
98	59.0	50.6	76.0



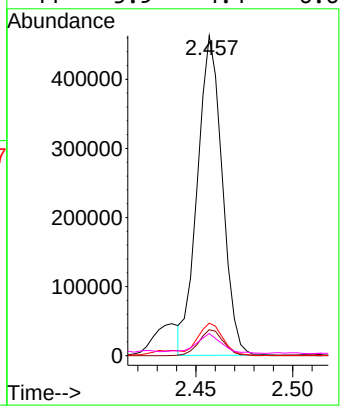


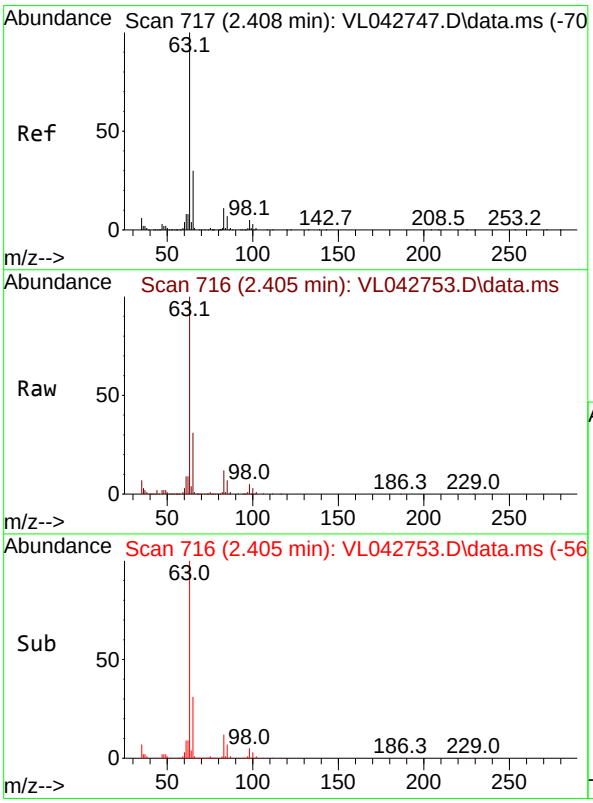
#23
Vinyl Acetate
Concen: 16.426 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 413378

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.1	9.1
42	10.1	7.8	11.8
44	5.9	4.4	6.6

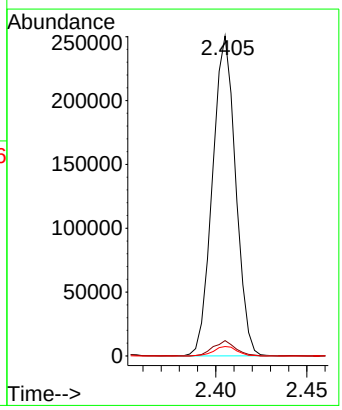


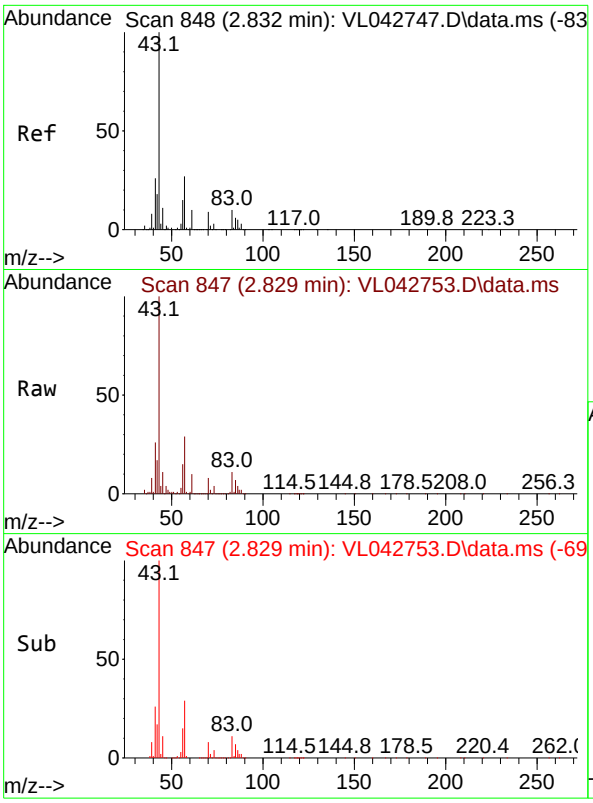


#24
1,1-Dichloroethane
Concen: 14.239 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 221175

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.4
100	2.9	1.6	4.8



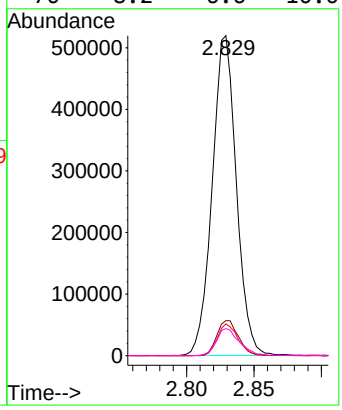


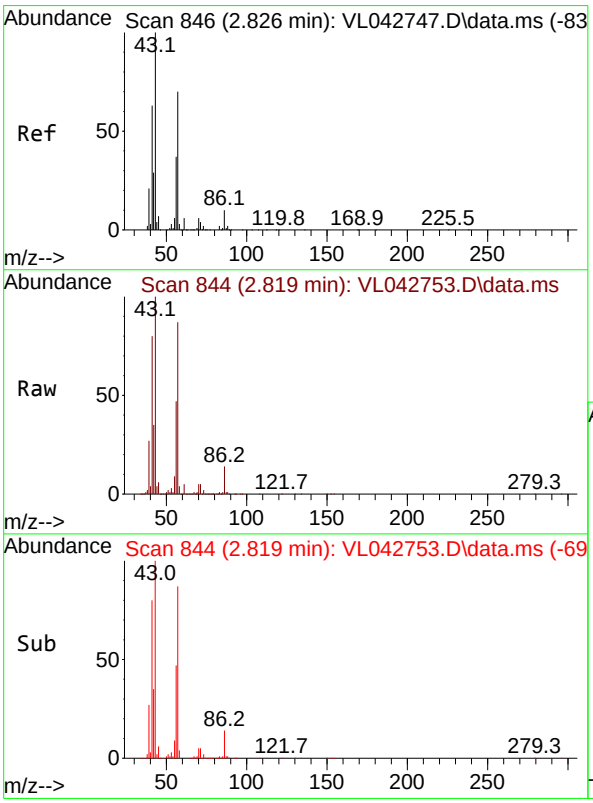
#25
Ethyl Acetate
Concen: 14.084 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 647150

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	8.6	6.7	10.1
70	8.2	6.6	10.0

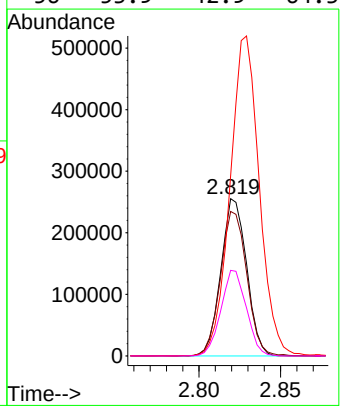


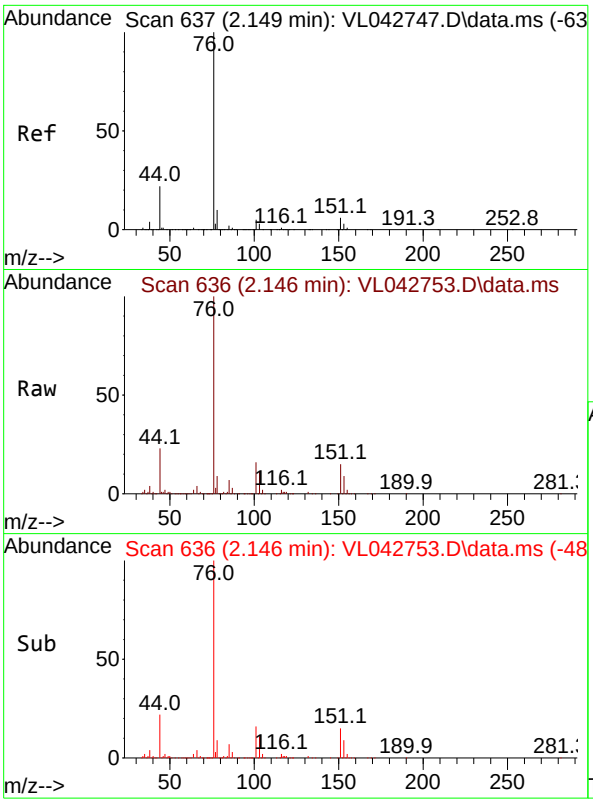


#26
Hexane
Concen: 13.869 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 279549

Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.4	113.2
43	232.7	185.0	277.6
56	53.9	42.9	64.3



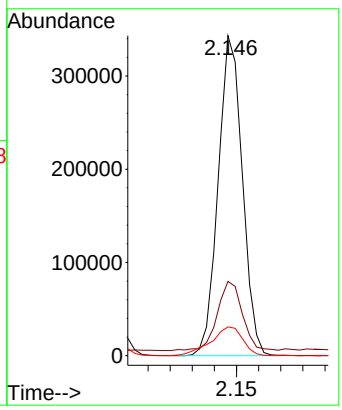


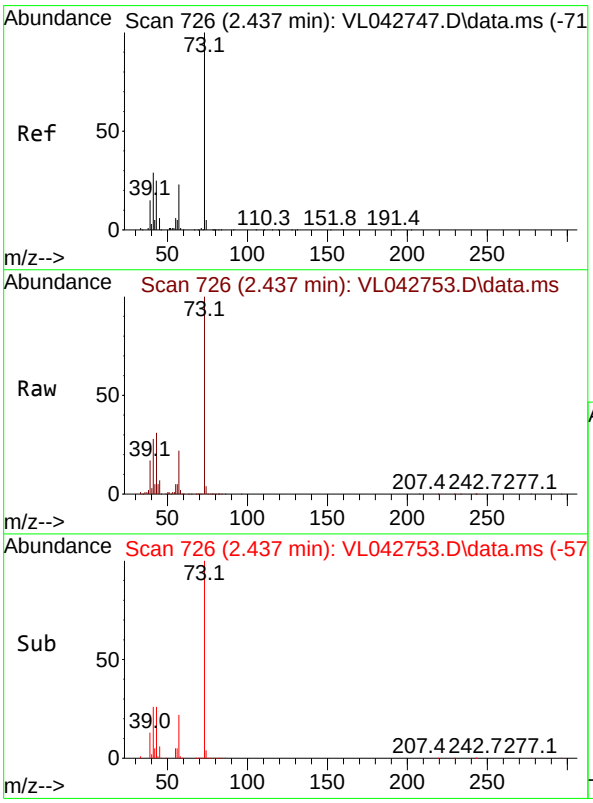
#27
Carbon Disulfide
Concen: 15.119 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 260884

Ion	Ratio	Lower	Upper
76	100		
44	23.1	19.3	28.9
78	11.9	9.9	14.9

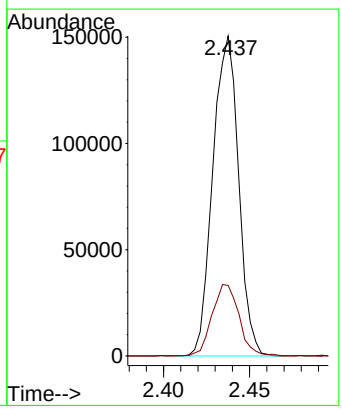


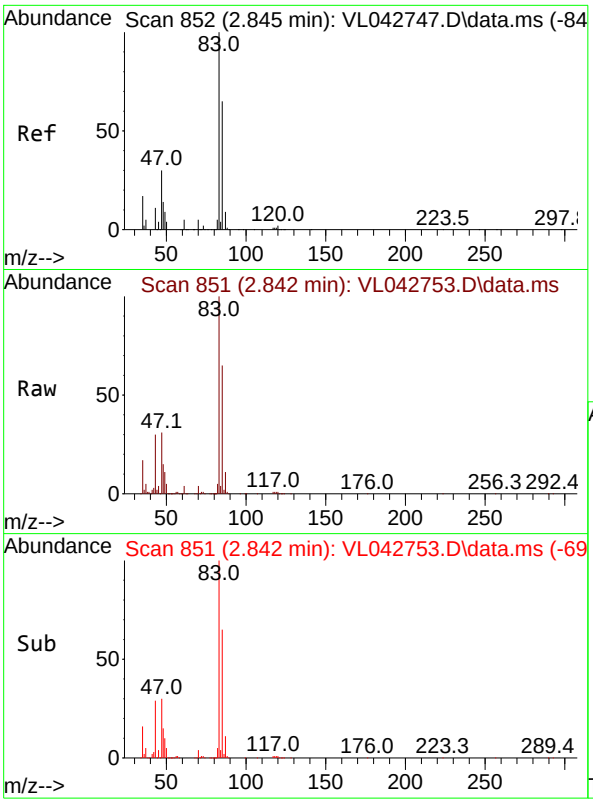


#28
Methyl tert-Butyl Ether
Concen: 16.477 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 73 Resp: 156895

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.8	29.8



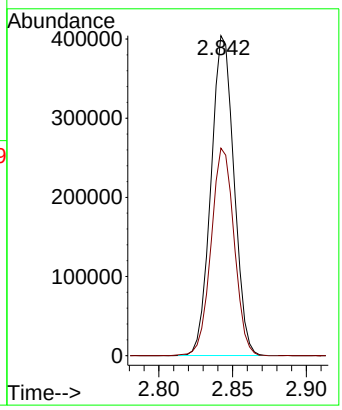


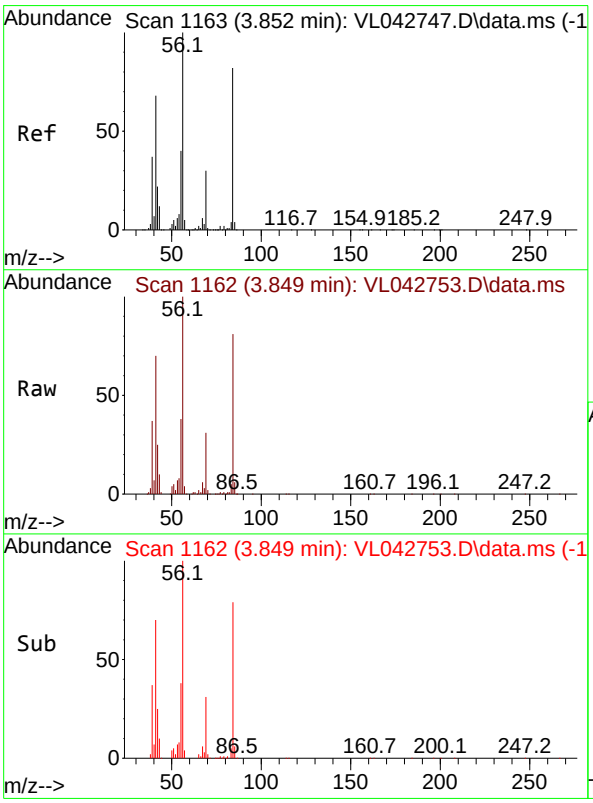
#29
Chloroform
Concen: 14.067 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 438155

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2

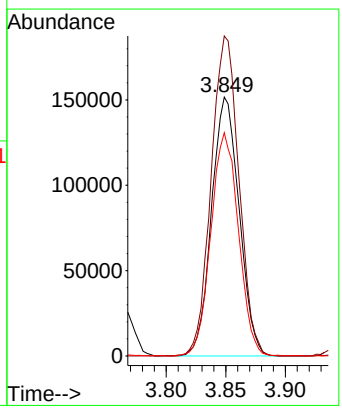


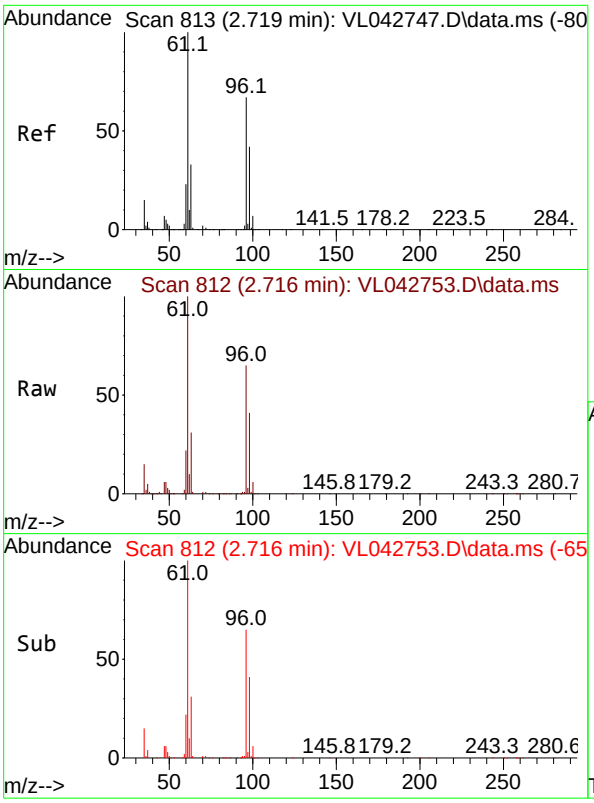


#30
Cyclohexane
Concen: 14.280 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 244116

Ion	Ratio	Lower	Upper
84	100		
56	124.4	97.5	146.3
41	85.9	67.2	100.8



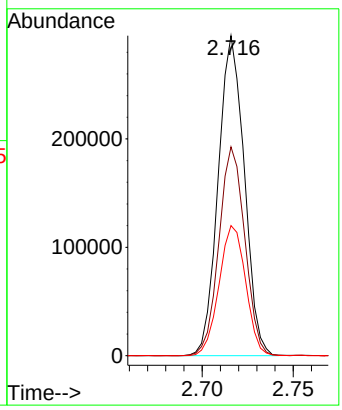


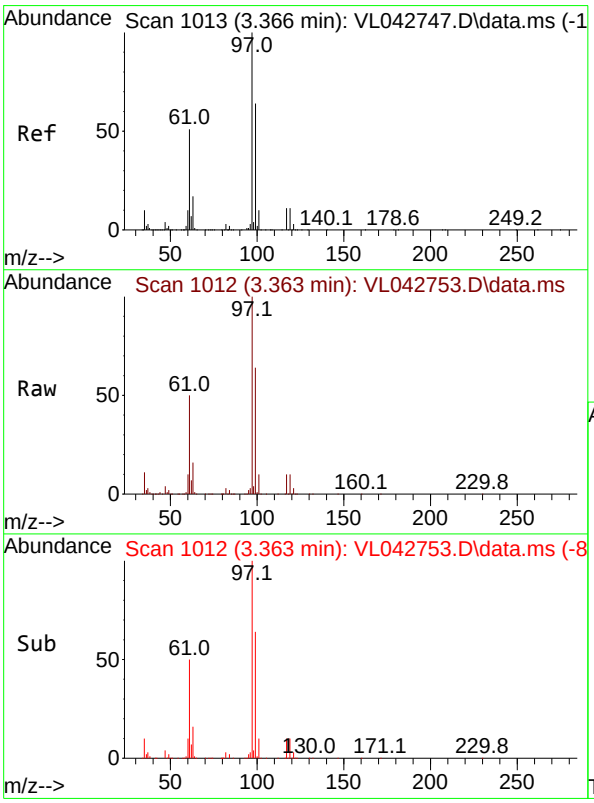
#31
cis-1,2-Dichloroethene
Concen: 14.192 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 293947

Ion	Ratio	Lower	Upper
61	100		
96	65.3	53.5	80.3
98	40.7	33.6	50.4

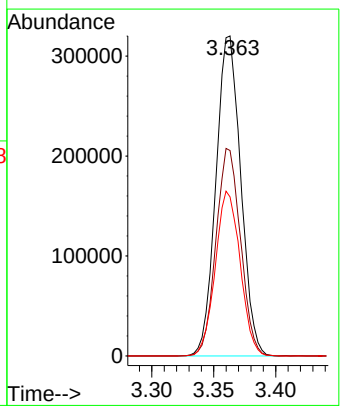


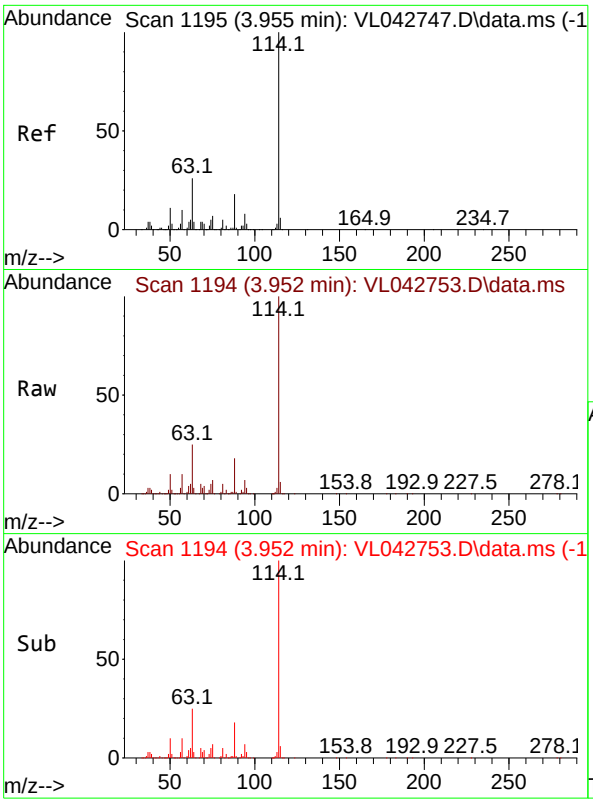


#32
1,1,1-Trichloroethane
Concen: 13.796 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 447592

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	51.5	40.9	61.3



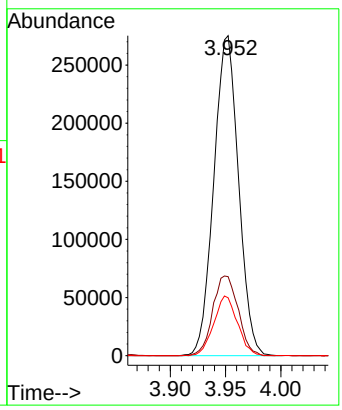


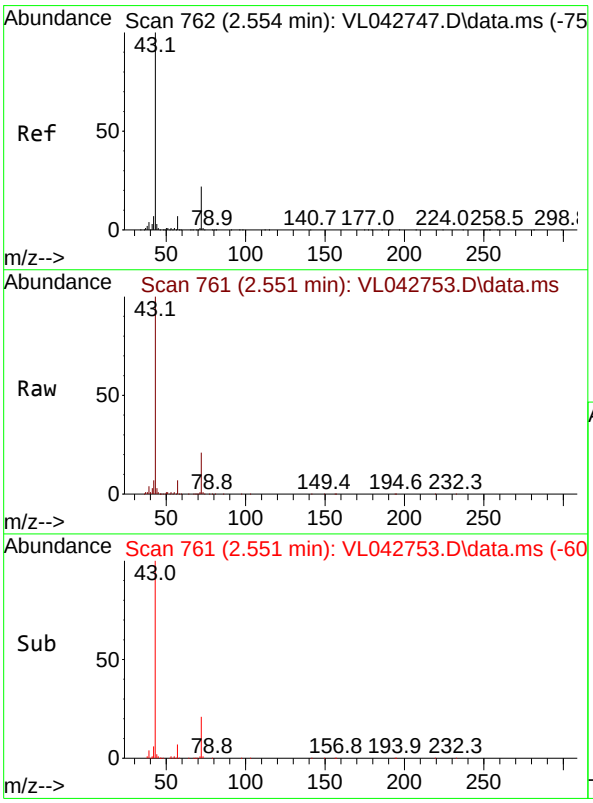
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 427438

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	17.9	14.0	21.0

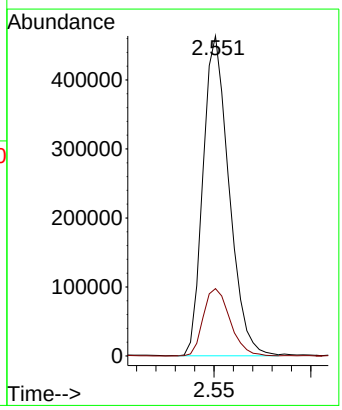


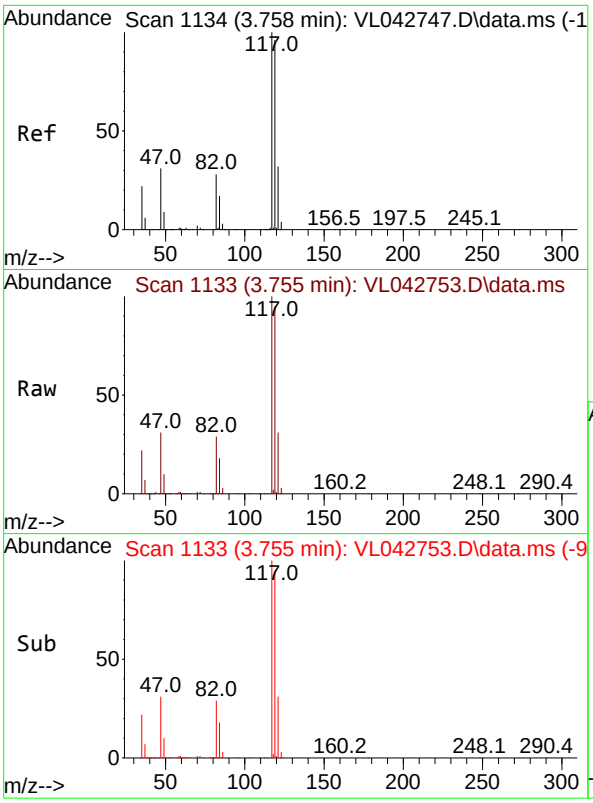


#34
2-Butanone
Concen: 14.297 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 432873

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0



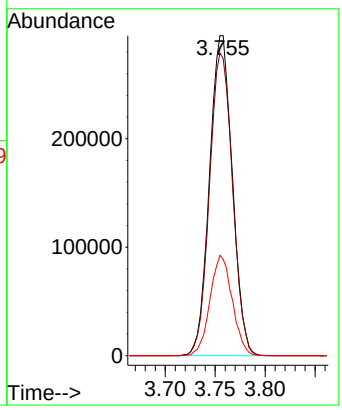


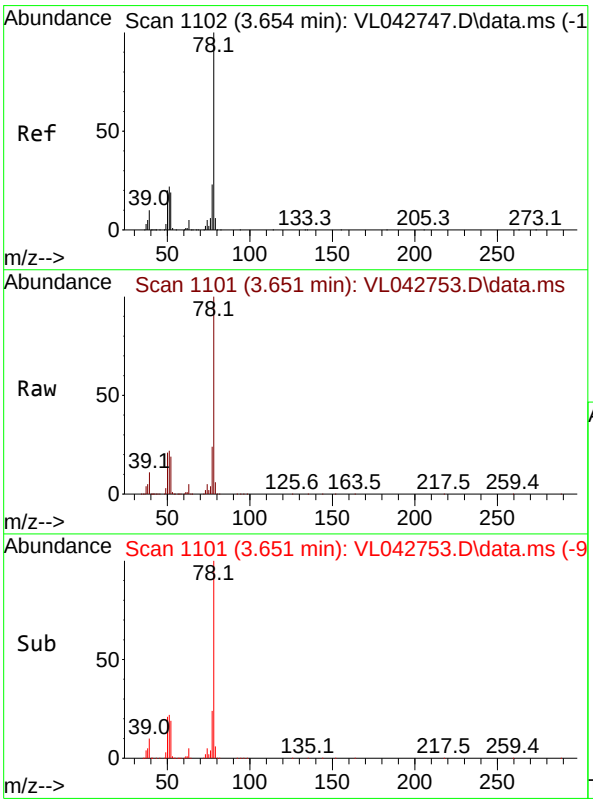
#35
Carbon Tetrachloride
Concen: 14.764 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 468957

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.1	115.7
121	31.4	25.5	38.3

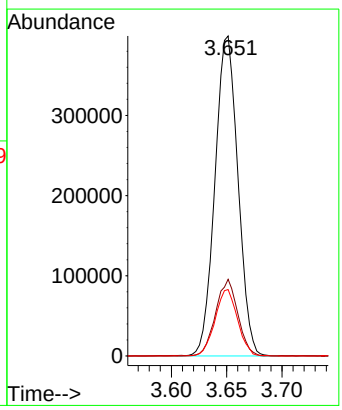


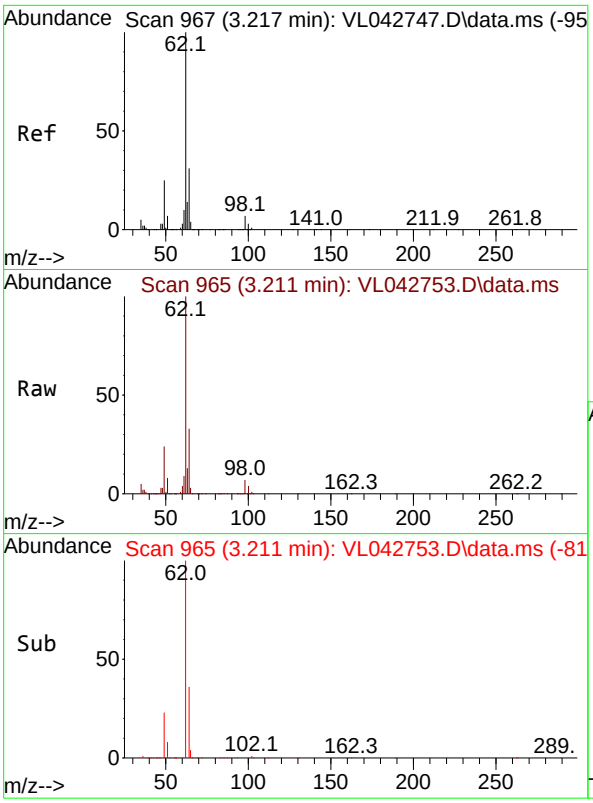


#36
Benzene
Concen: 14.247 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 78 Resp: 577153

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7
50	20.7	16.2	24.2



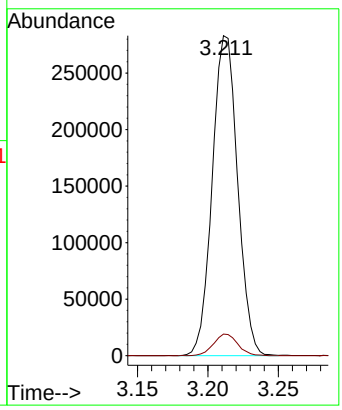


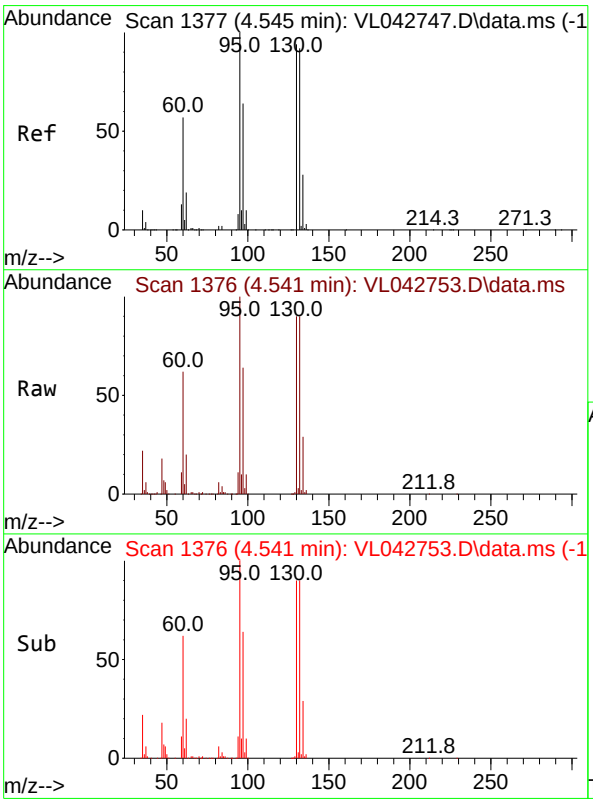
#37
1,2-Dichloroethane
Concen: 14.533 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 354637

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

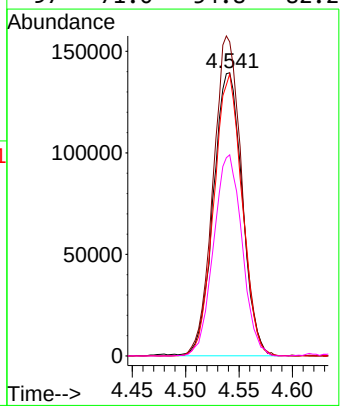


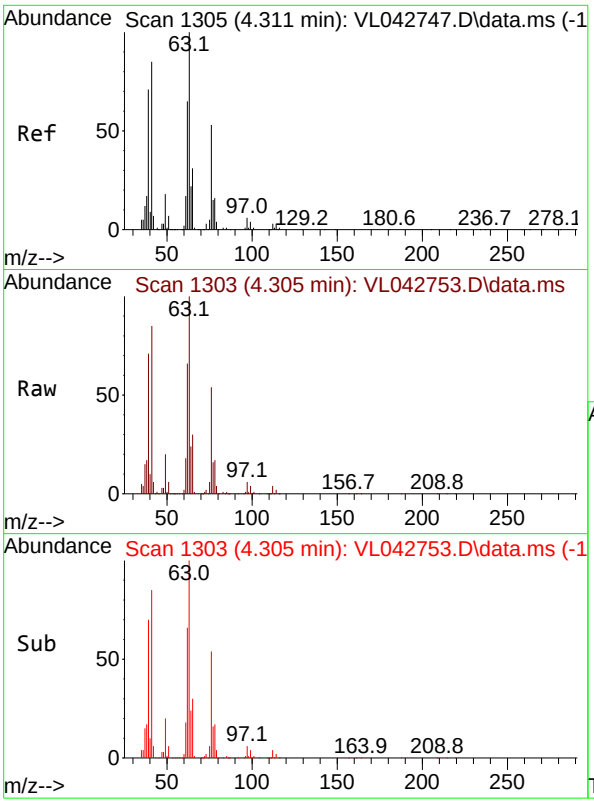


#38
Trichloroethene
Concen: 13.416 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:130 Resp: 262041

Ion	Ratio	Lower	Upper
130	100		
95	110.8	85.4	128.2
132	99.5	78.2	117.2
97	71.0	54.8	82.2



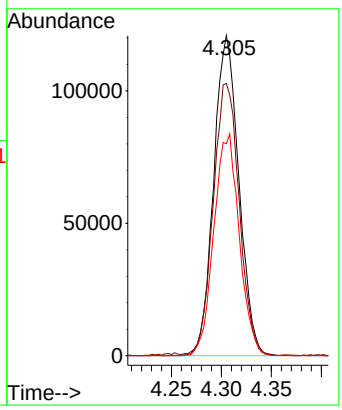


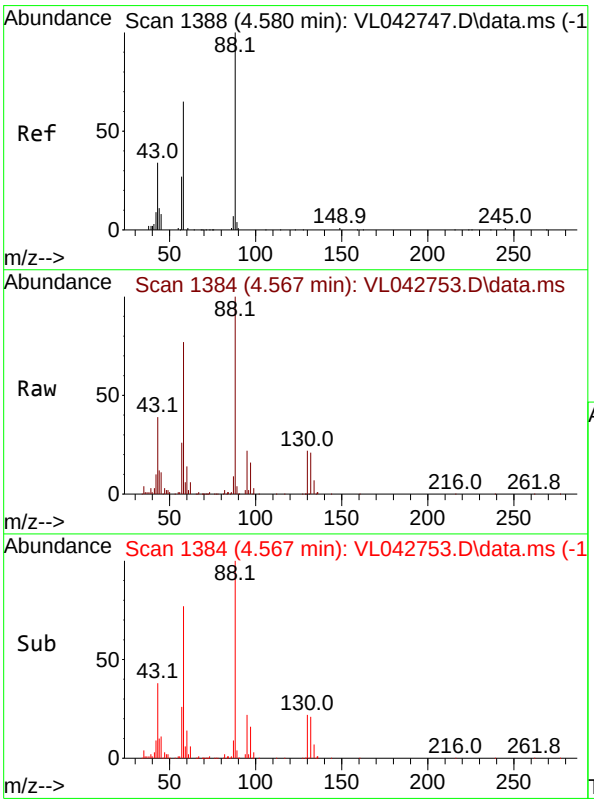
#39
1,2-Dichloropropane
Concen: 14.150 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 211594

Ion	Ratio	Lower	Upper
63	100		
41	85.0	68.2	102.4
62	66.2	52.0	78.0

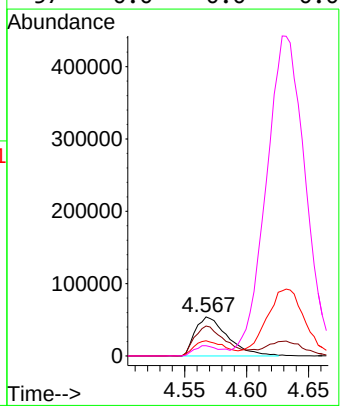


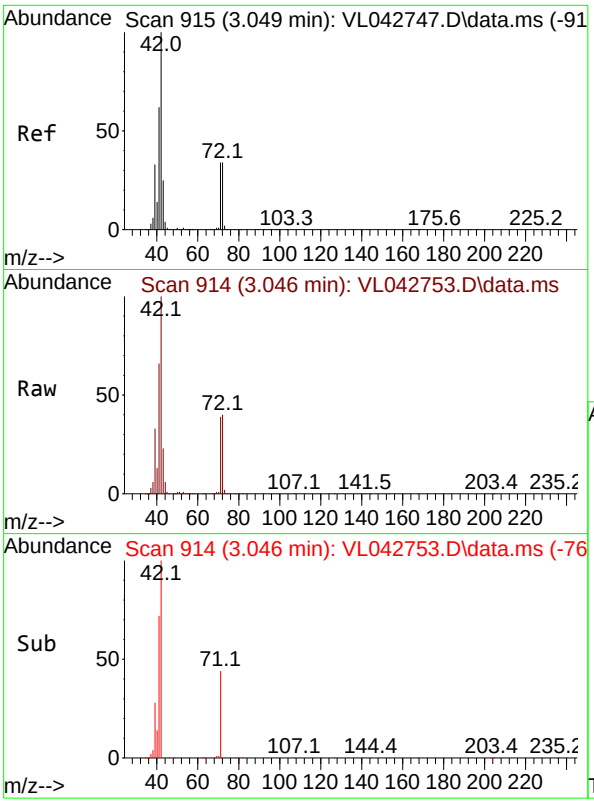


#40
1,4-Dioxane
Concen: 13.926 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 88 Resp: 98196

Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.8	88.2
43	35.8	28.9	43.3
57	0.0	0.0	0.0



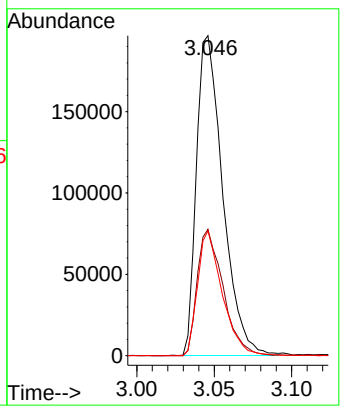


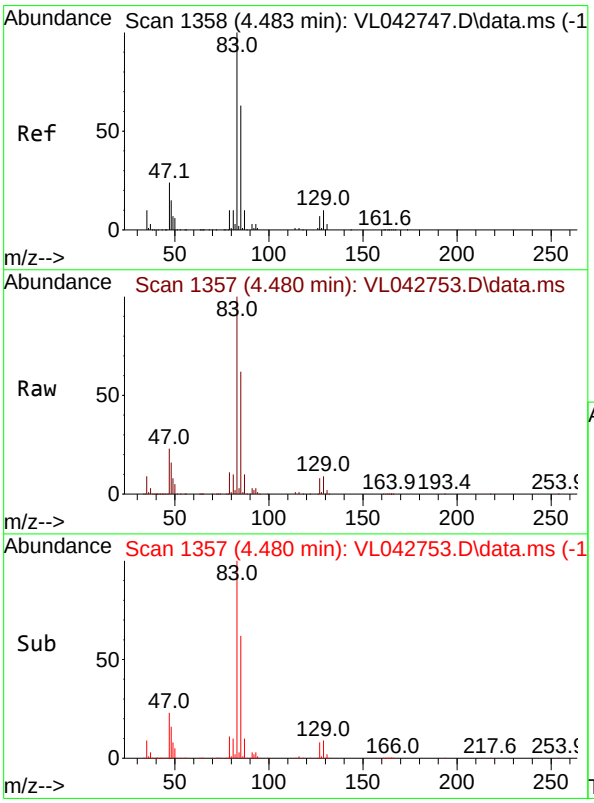
#41
Tetrahydrofuran
Concen: 15.278 ppbv
RT: 3.046 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 232393

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.9	46.3
71	36.6	28.6	43.0

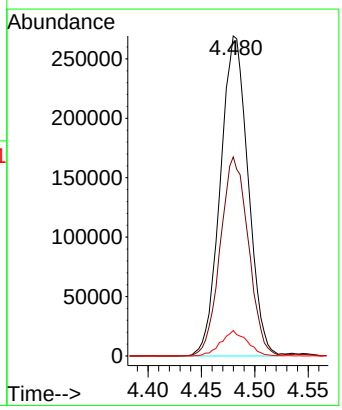


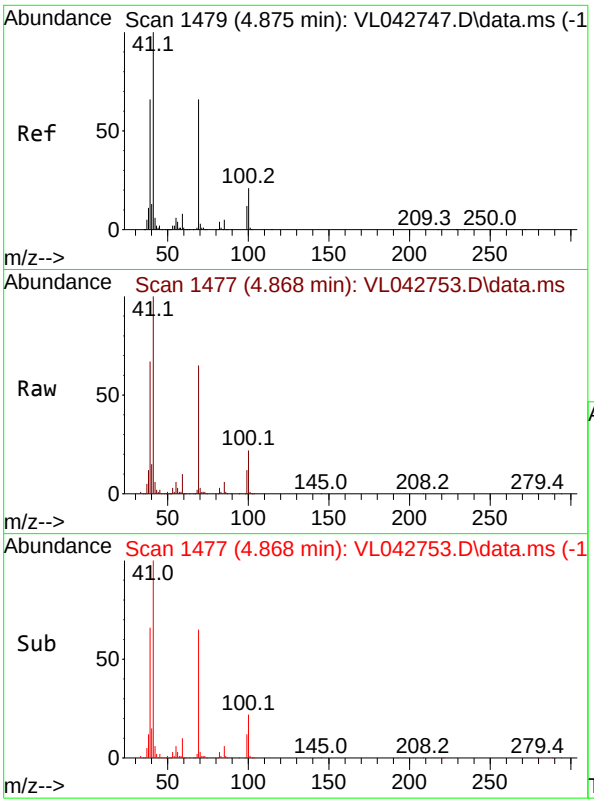


#42
Bromodichloromethane
Concen: 15.303 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 486831

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	8.0	5.4	8.2



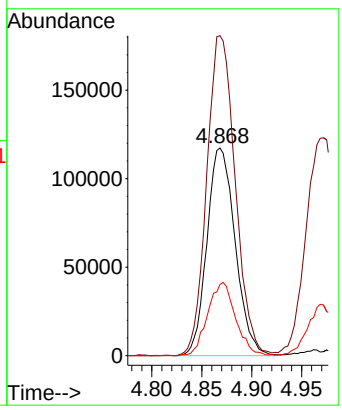


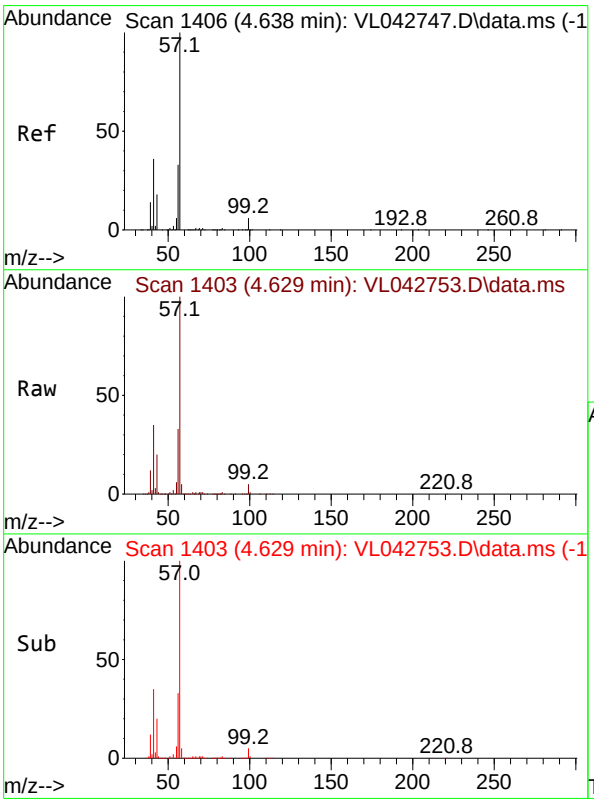
#43
Methyl Methacrylate
Concen: 16.059 ppbv
RT: 4.868 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 231227

Ion	Ratio	Lower	Upper
69	100		
41	155.0	125.7	188.5
100	34.8	28.6	42.8

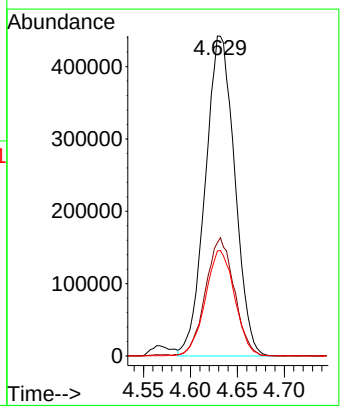


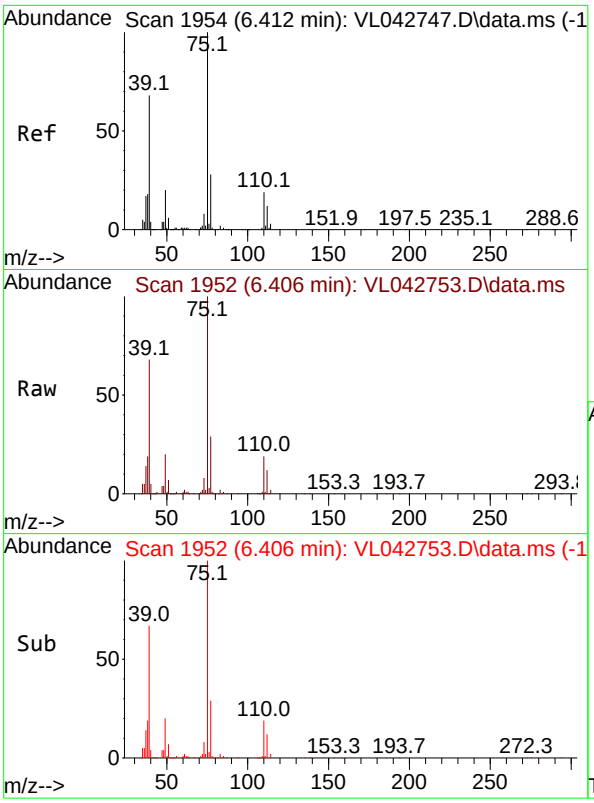


#44
2,2,4-Trimethylpentane
Concen: 14.598 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 963867

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.9	25.8	38.6



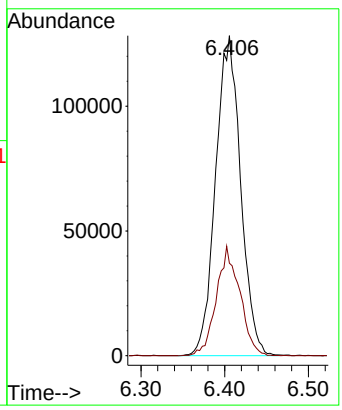


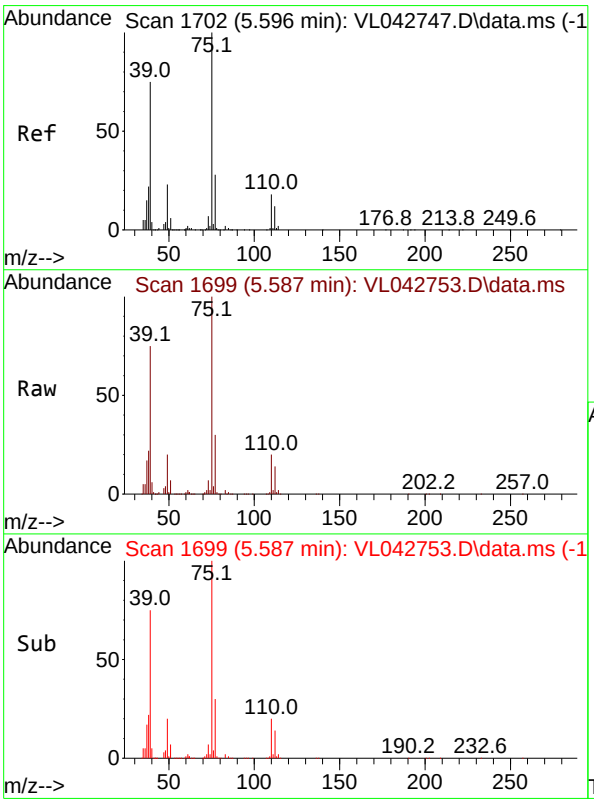
#45
t-1,3-Dichloropropene
Concen: 16.478 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 266194

Ion	Ratio	Lower	Upper
75	100		
77	28.9	22.4	33.6

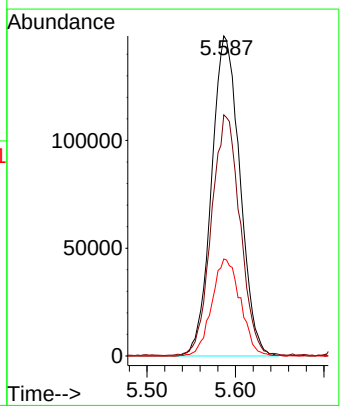


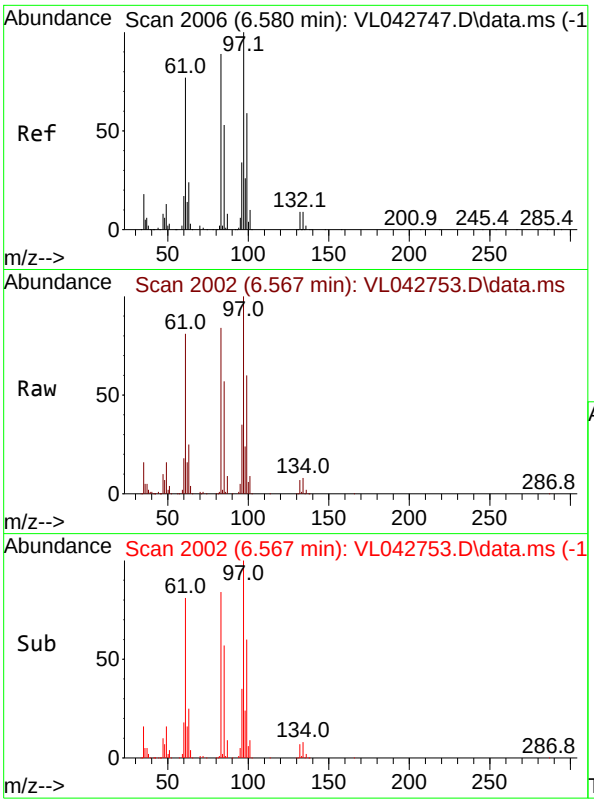


#46
cis-1,3-Dichloropropene
Concen: 16.115 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 329850

Ion	Ratio	Lower	Upper
75	100		
39	74.8	60.2	90.2
77	30.2	22.6	34.0



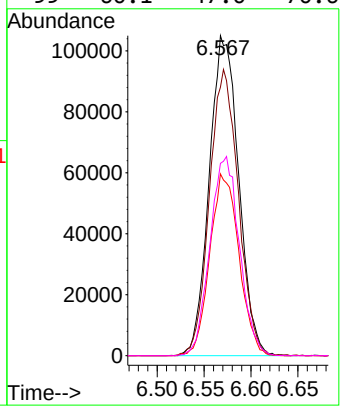


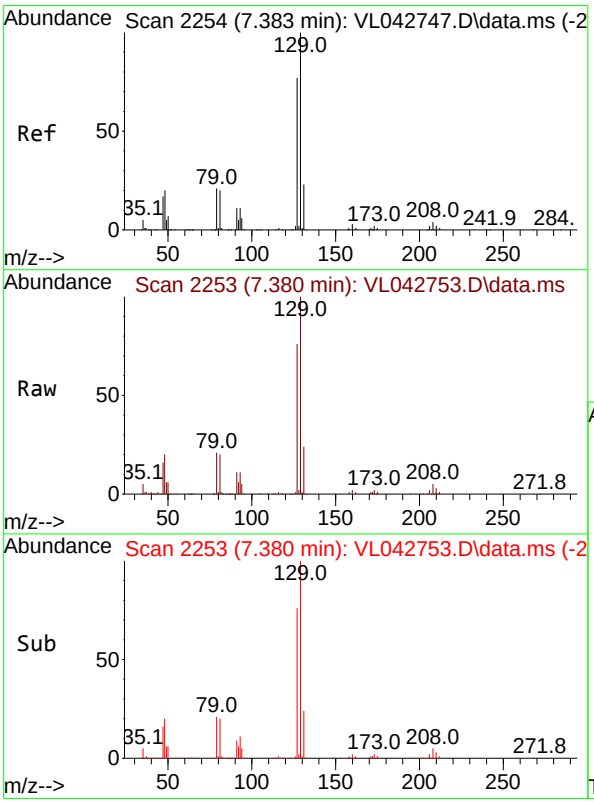
#47
1,1,2-Trichloroethane
Concen: 14.335 ppbv
RT: 6.567 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 228492

Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.1	106.7
85	56.7	43.0	64.4
99	60.1	47.0	70.6

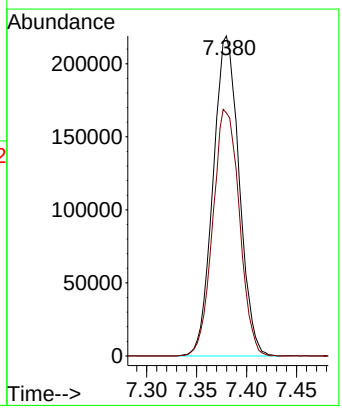


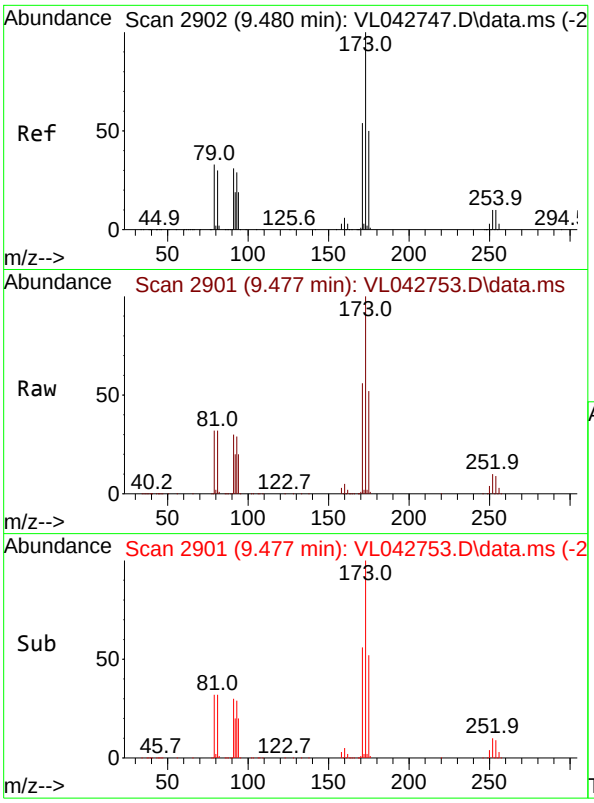


#48
Dibromochloromethane
Concen: 15.695 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:129 Resp: 397179

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.7	116.1



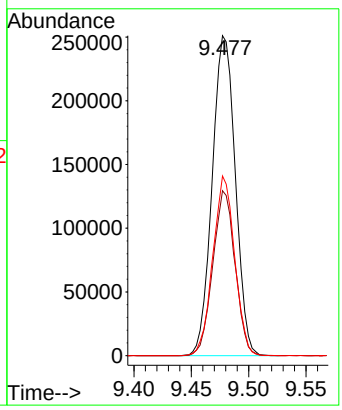


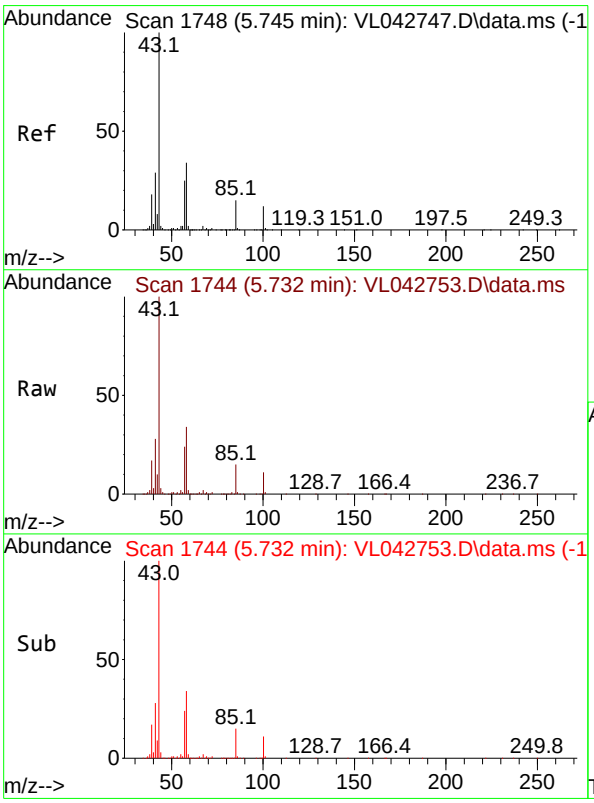
#49
Bromoform
Concen: 15.955 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 352050

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.4	57.6
171	53.1	40.9	61.3

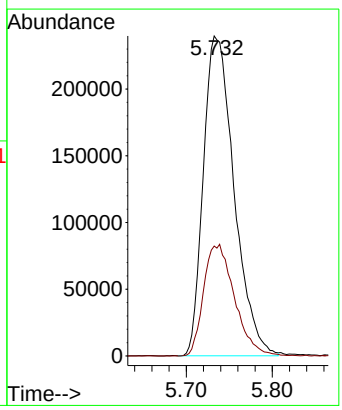


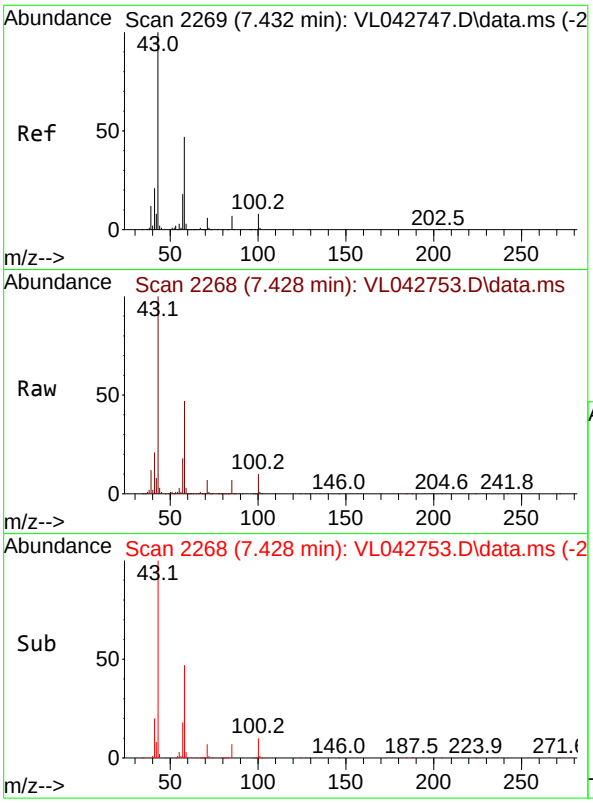


#50
4-Methyl-2-Pentanone
Concen: 15.427 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 594973

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.8



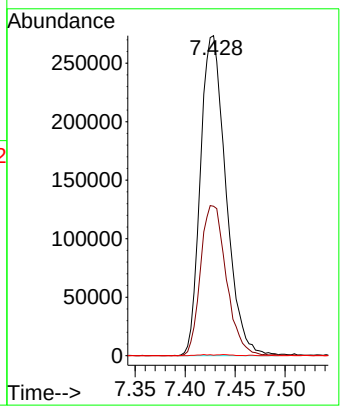


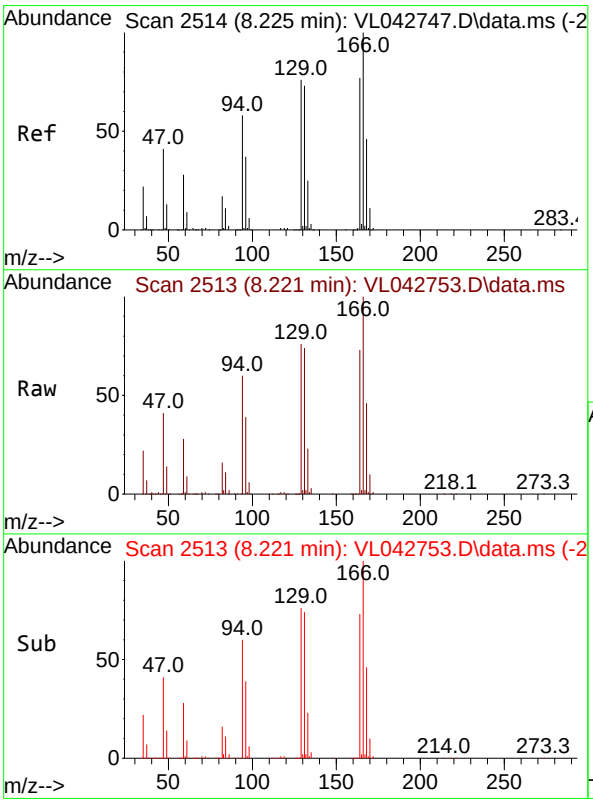
#51
2-Hexanone
Concen: 16.467 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 485325

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.0	57.0
98	0.4	0.2	0.4#

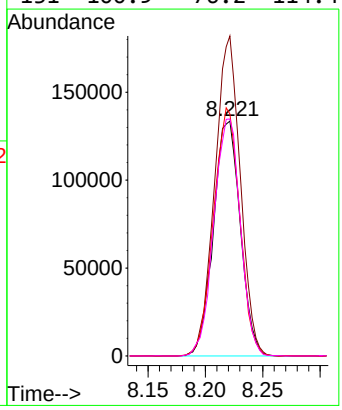


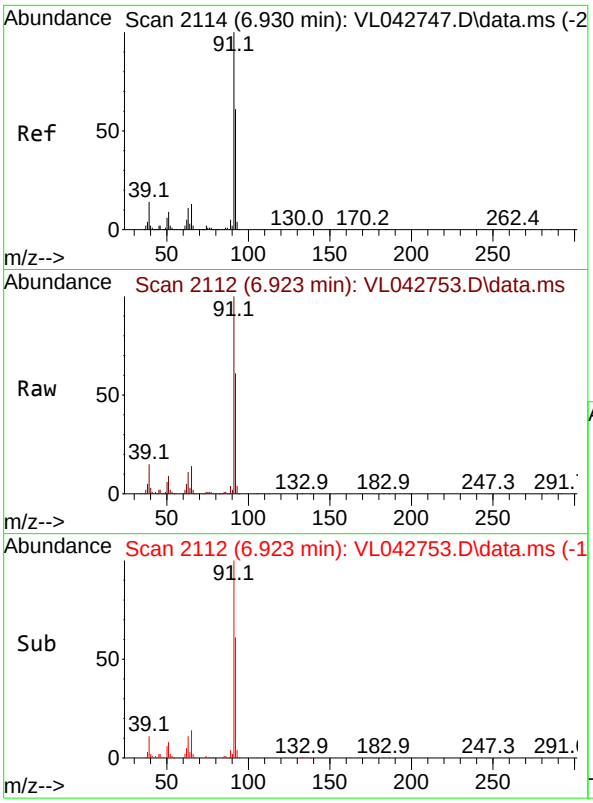


#52
Tetrachloroethene
Concen: 12.899 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:164 Resp: 217184

Ion	Ratio	Lower	Upper
164	100		
166	136.3	104.0	156.0
129	103.1	79.2	118.8
131	100.9	76.2	114.4



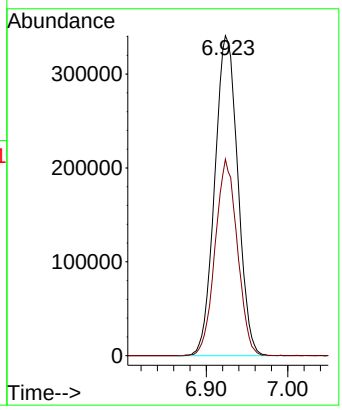


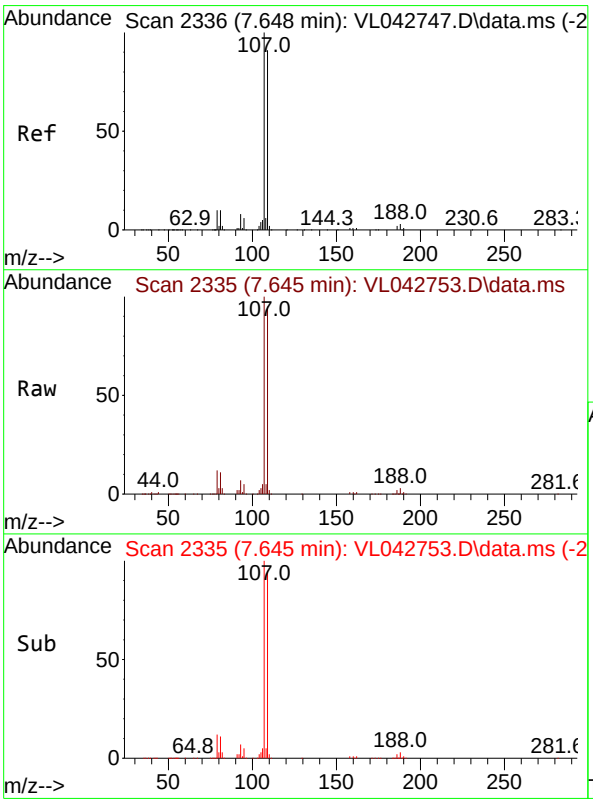
#53
Toluene
Concen: 15.405 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 670142

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0

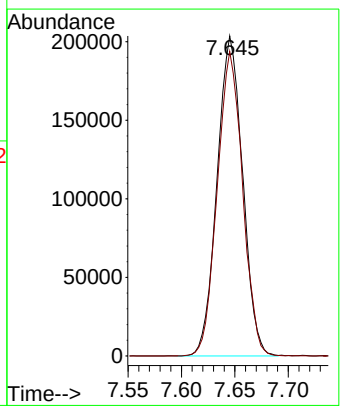


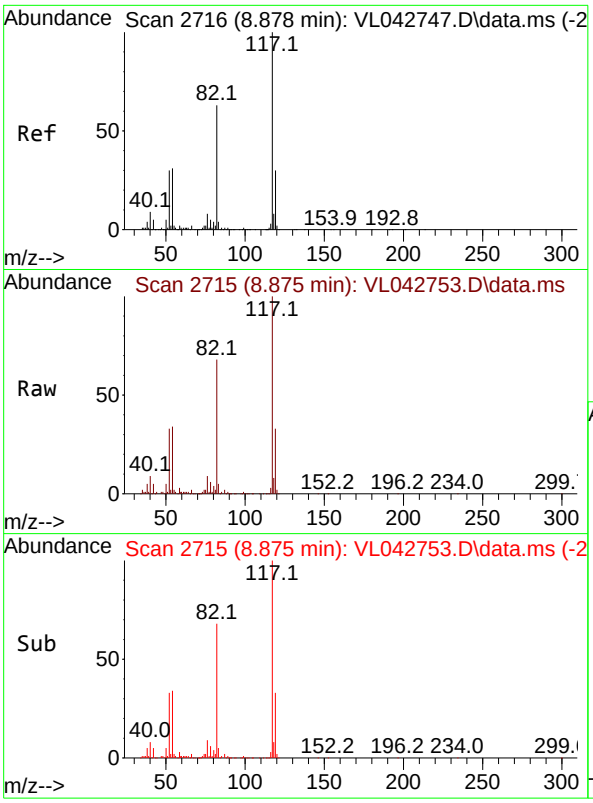


#54
1,2-Dibromoethane
Concen: 15.019 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:107 Resp: 338867

Ion	Ratio	Lower	Upper
107	100		
109	95.1	72.7	109.1



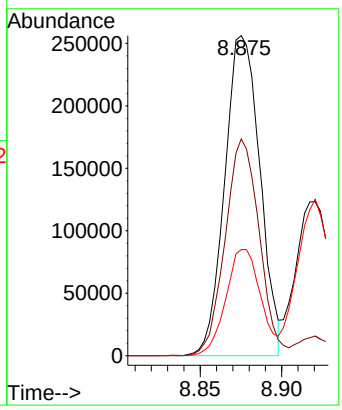


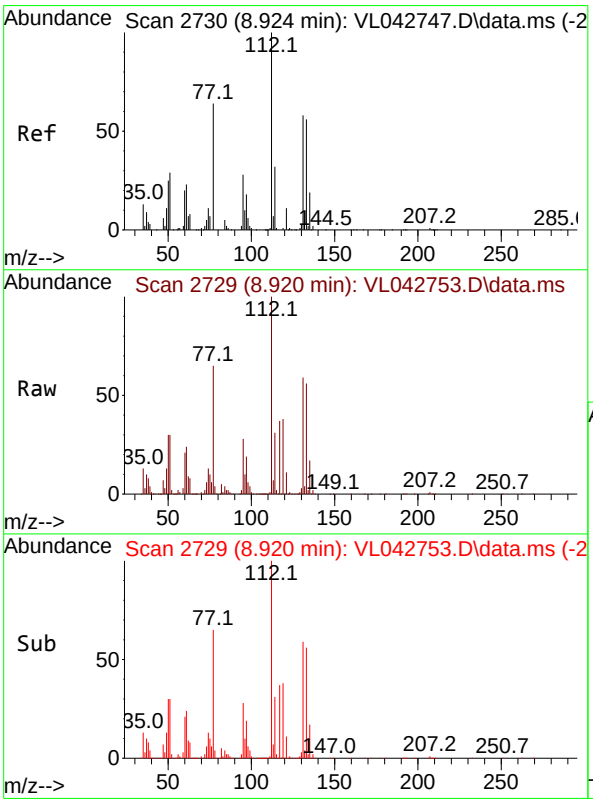
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 385223

Ion	Ratio	Lower	Upper
117	100		
82	71.0	53.3	79.9
119	32.3	25.8	38.6

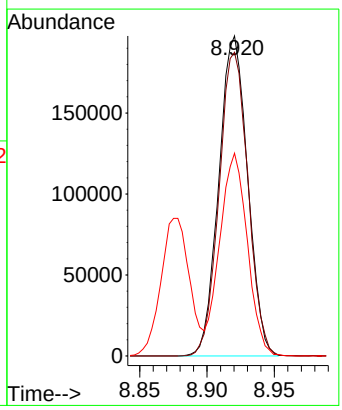


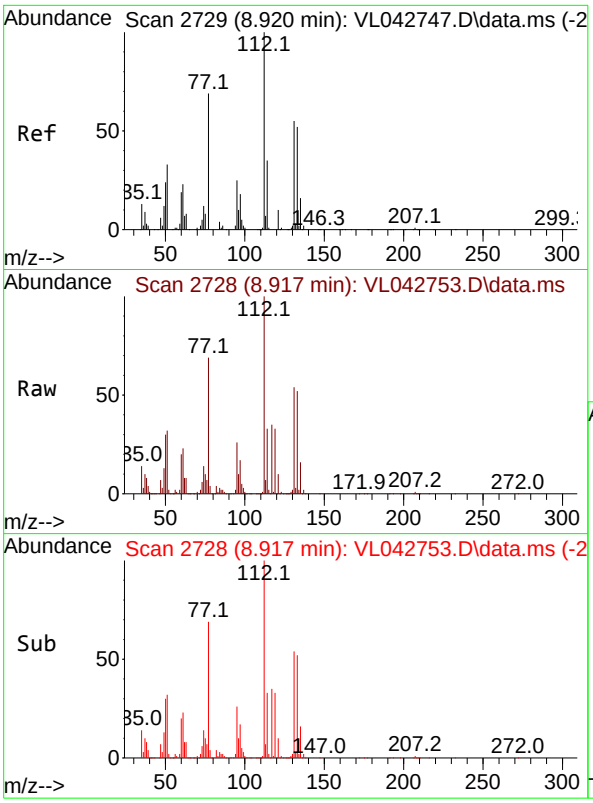


#56
1,1,1,2-Tetrachloroethane
Concen: 14.648 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:131 Resp: 293384

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.8	115.2
119	60.7	49.7	74.5



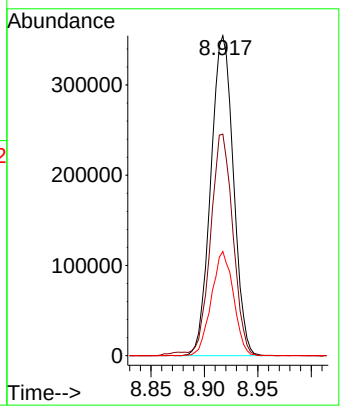


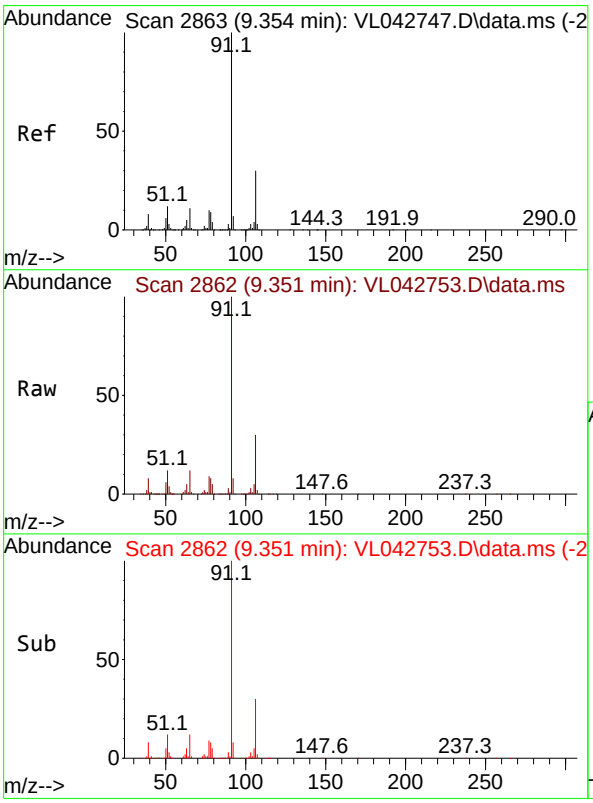
#57
Chlorobenzene
Concen: 14.025 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 522894

Ion	Ratio	Lower	Upper
112	100		
77	69.2	56.4	84.6
114	32.6	31.2	38.2

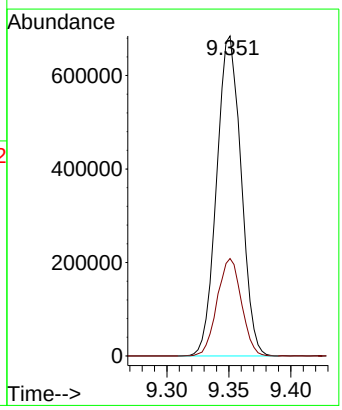


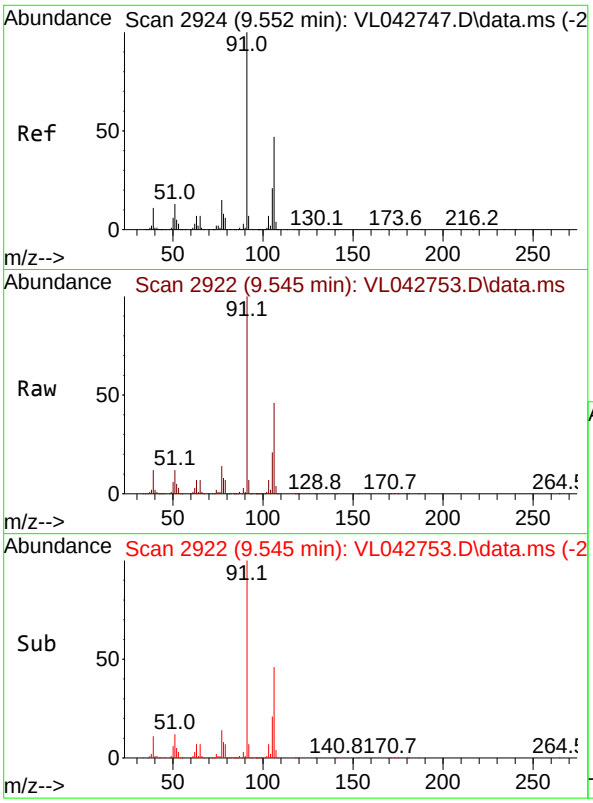


#58
Ethyl Benzene
Concen: 15.454 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 940159

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6



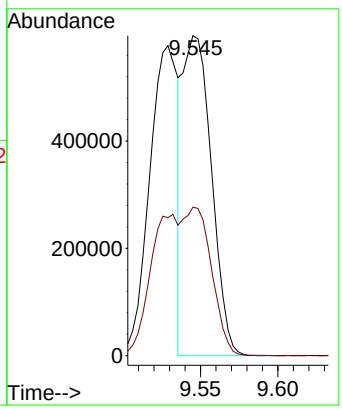


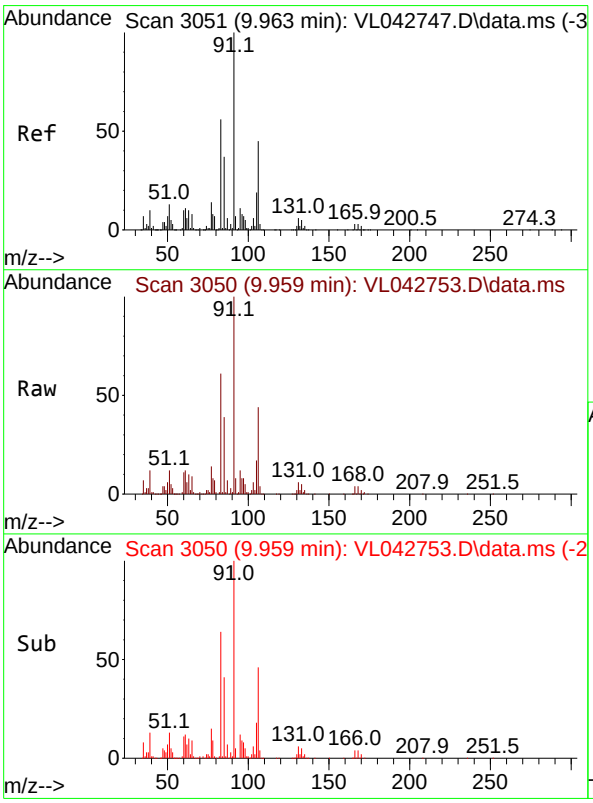
#59
m/p-Xylene
Concen: 15.756 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 766284

Ion	Ratio	Lower	Upper
91	100		
106	91.0	37.4	56.2#

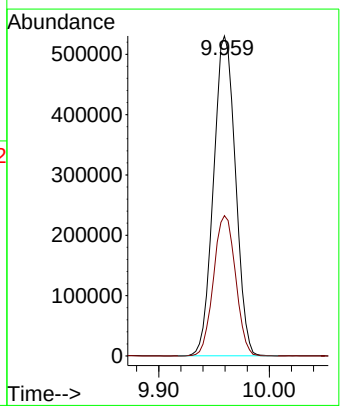


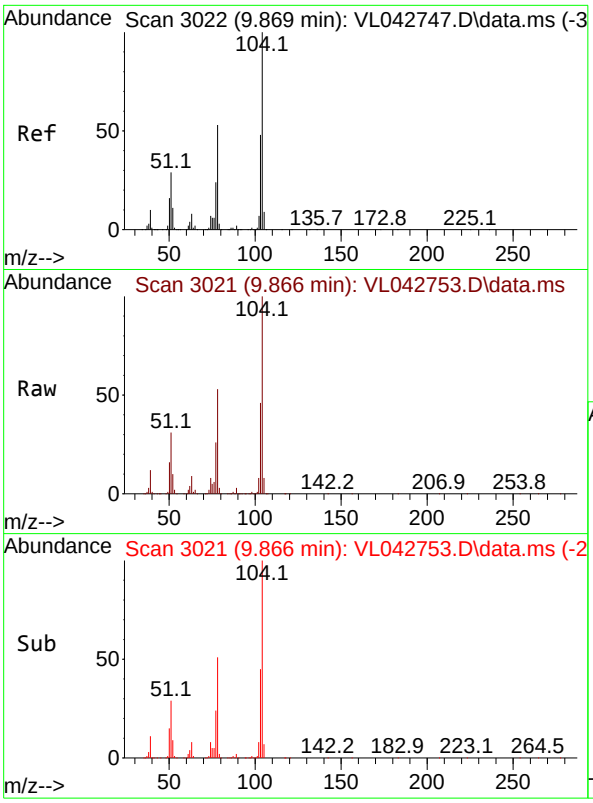


#60
o-Xylene
Concen: 15.030 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 730161

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.0	66.0



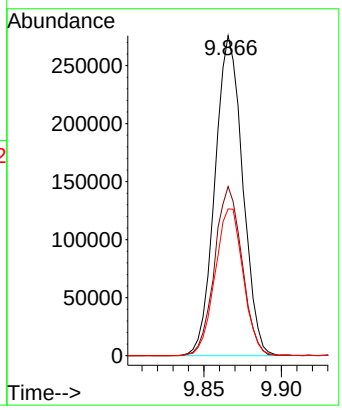


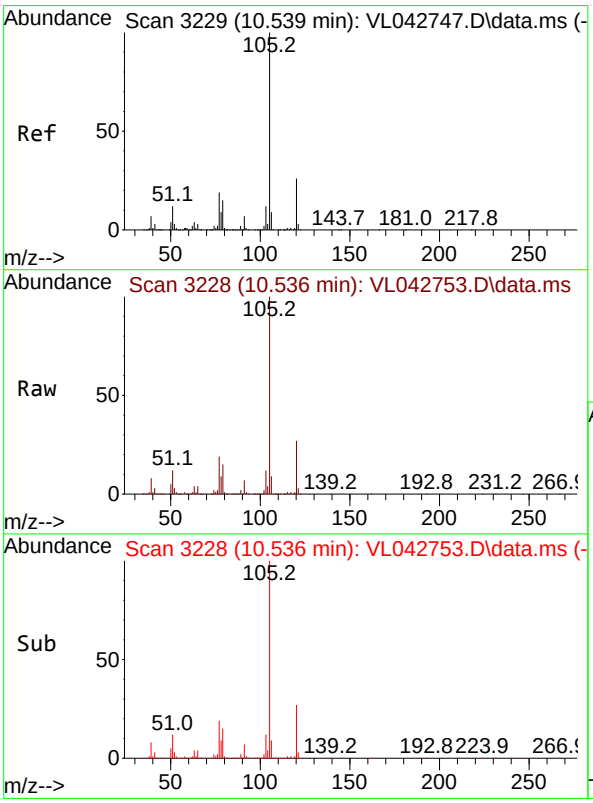
#61
Styrene
Concen: 16.805 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 343429

Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.5	62.3
103	46.9	37.5	56.3

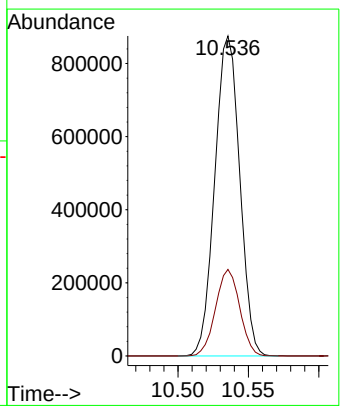


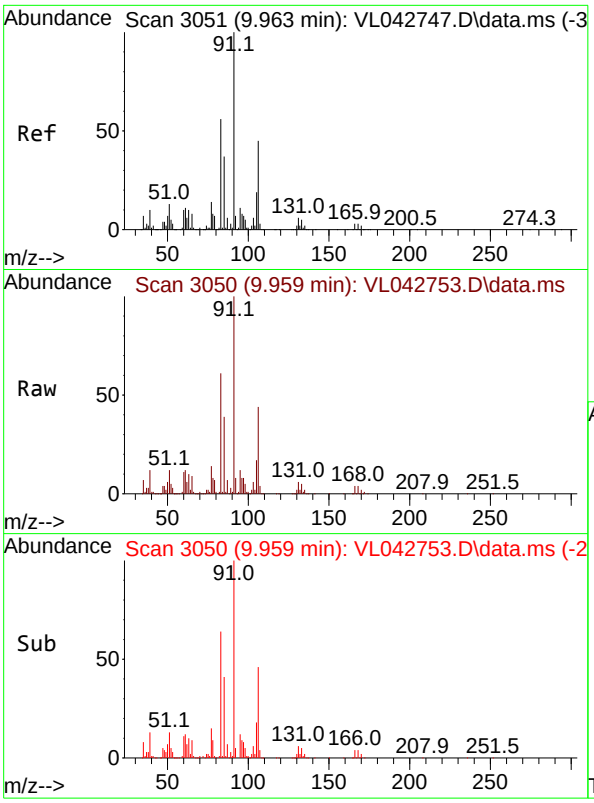


#62
Isopropylbenzene
Concen: 15.049 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 1078393

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.5	30.7



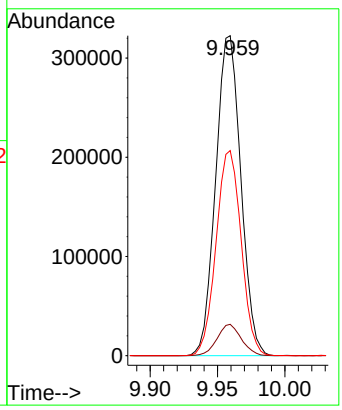


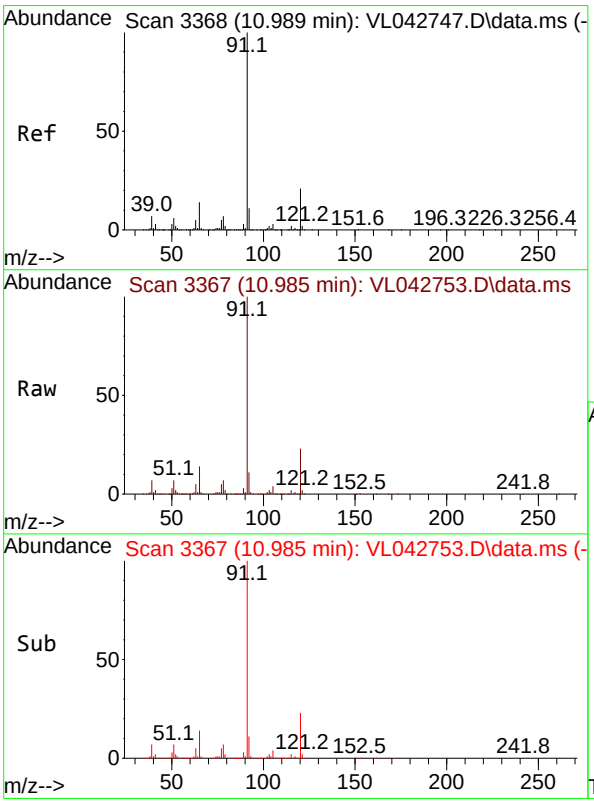
#63
1,1,2,2-Tetrachloroethane
Concen: 13.261 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 419734

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.8	32.6	97.7

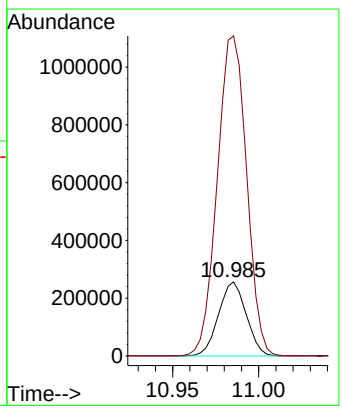


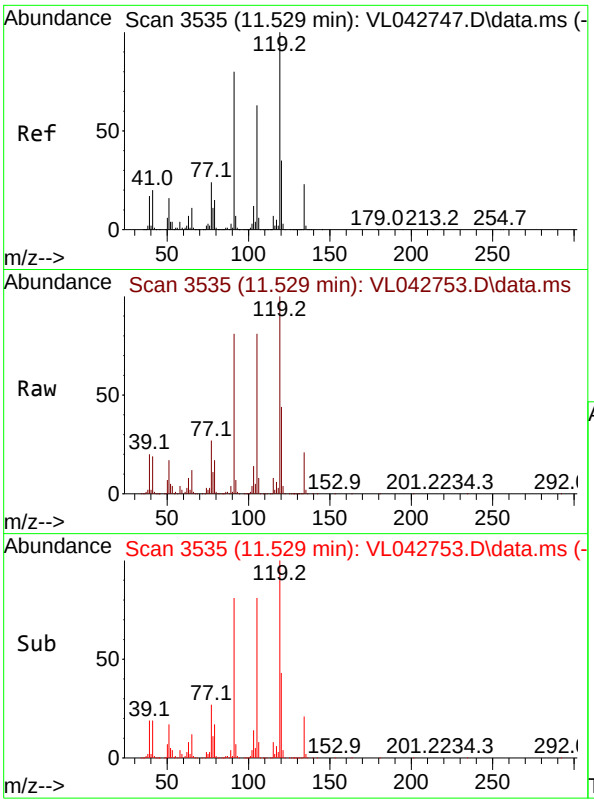


#64
n-propylbenzene
Concen: 15.348 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:120 Resp: 286724

Ion	Ratio	Lower	Upper
120	100		
91	458.1	372.7	559.1



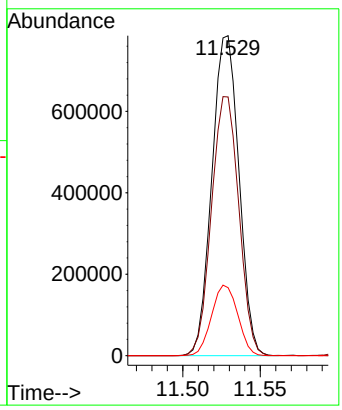


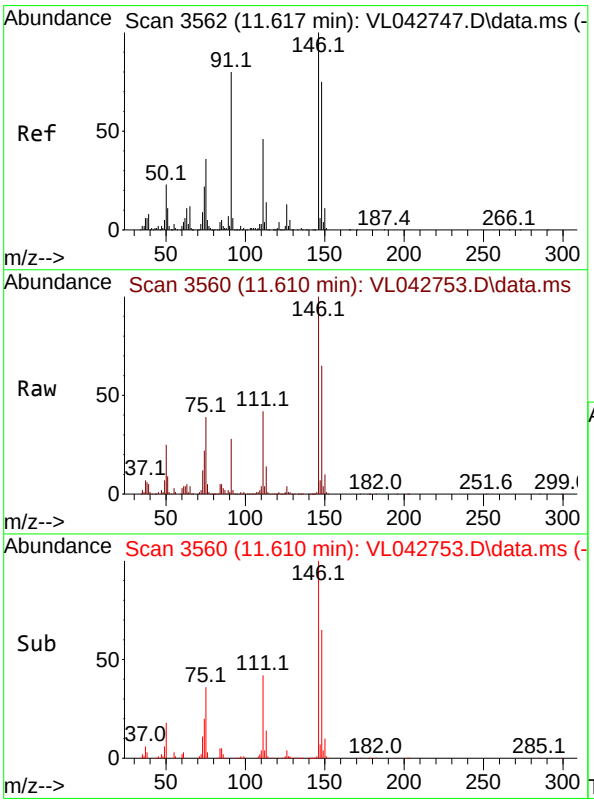
#65
tert-Butylbenzene
Concen: 14.995 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 954459

Ion	Ratio	Lower	Upper
119	100		
91	81.9	64.0	96.0
134	21.4	17.3	25.9

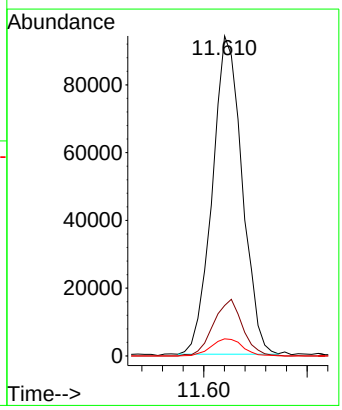


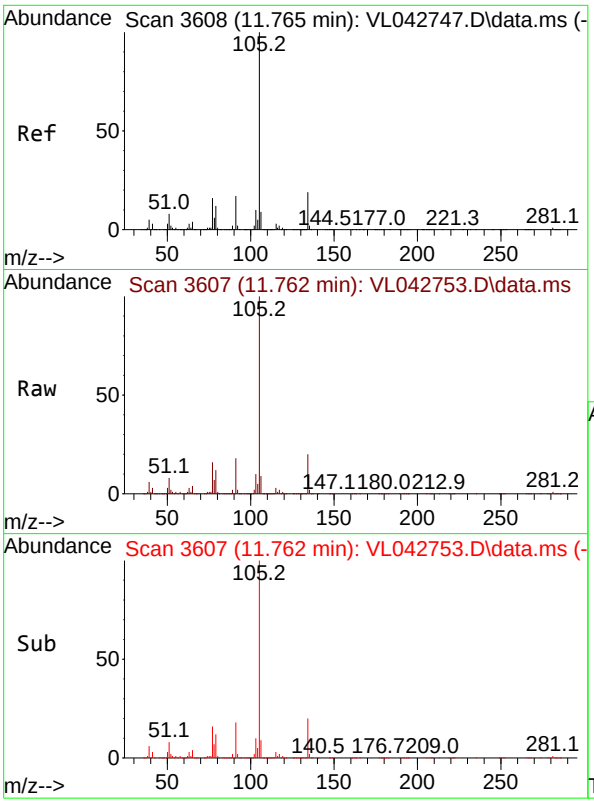


#66
Benzyl Chloride
Concen: 18.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 94218

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.7	5.2	7.8



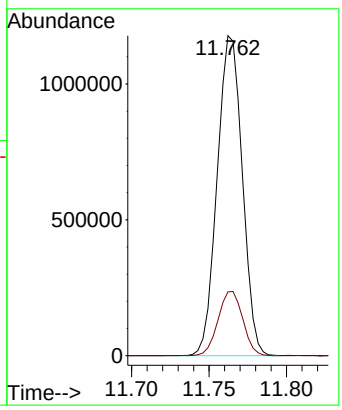


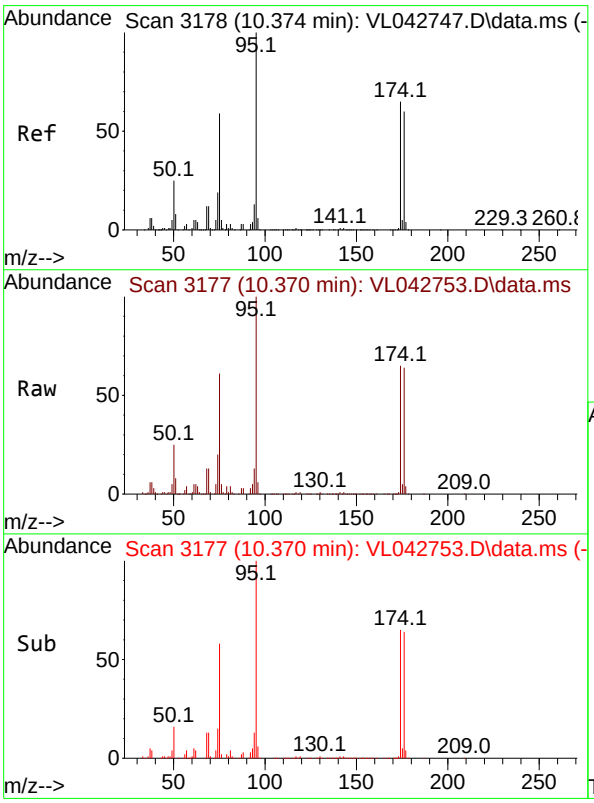
#67
sec-Butylbenzene
Concen: 14.662 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 1327393

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

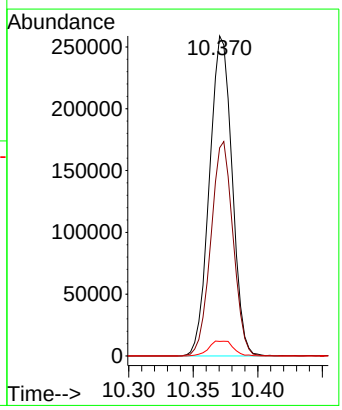


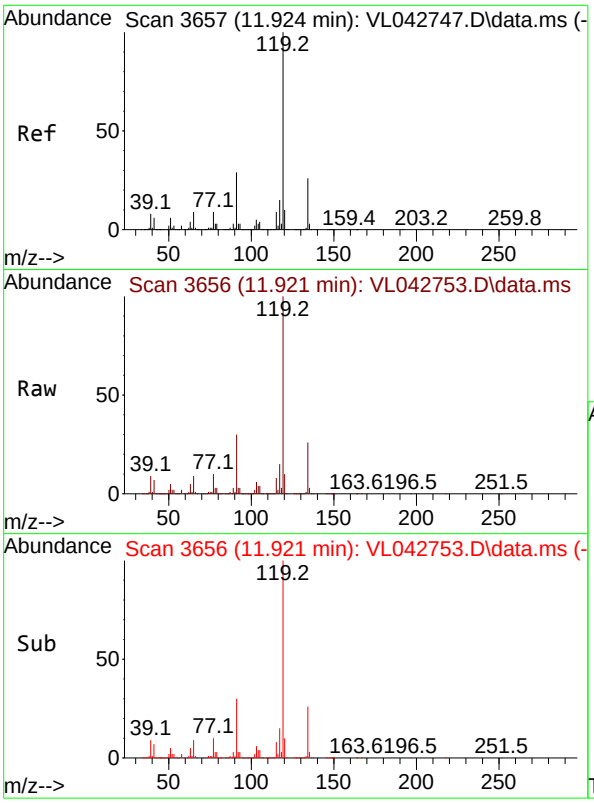


#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 95 Resp: 315293

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.8	80.6
175	5.0	4.0	6.0



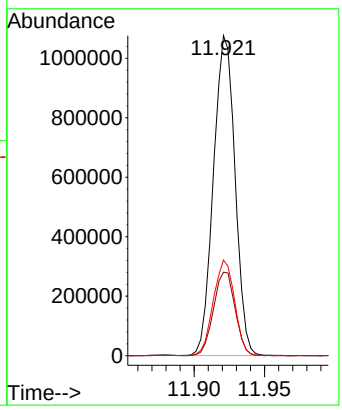


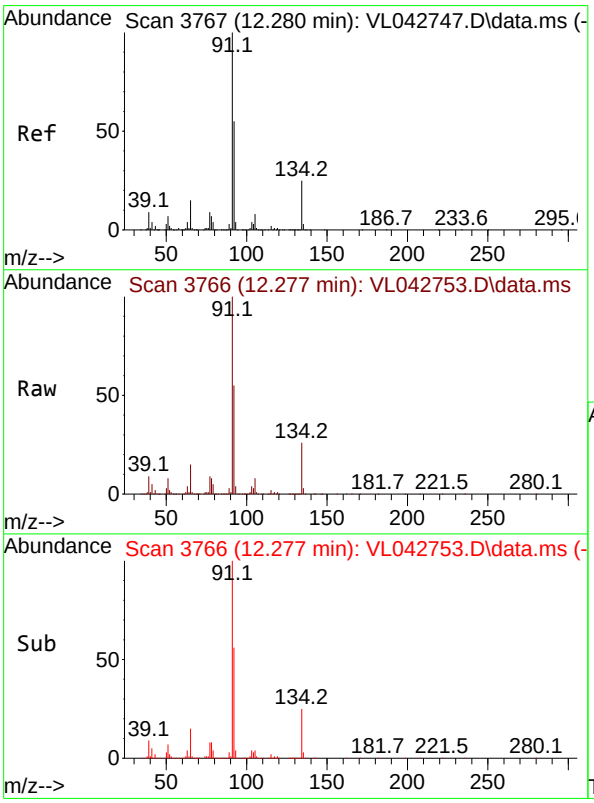
#69
p-Isopropyltoluene
Concen: 15.571 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 1149418

Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.6	31.0
91	29.6	23.2	34.8

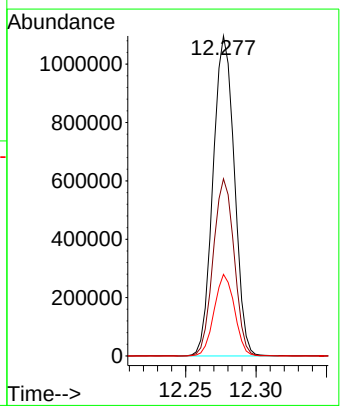


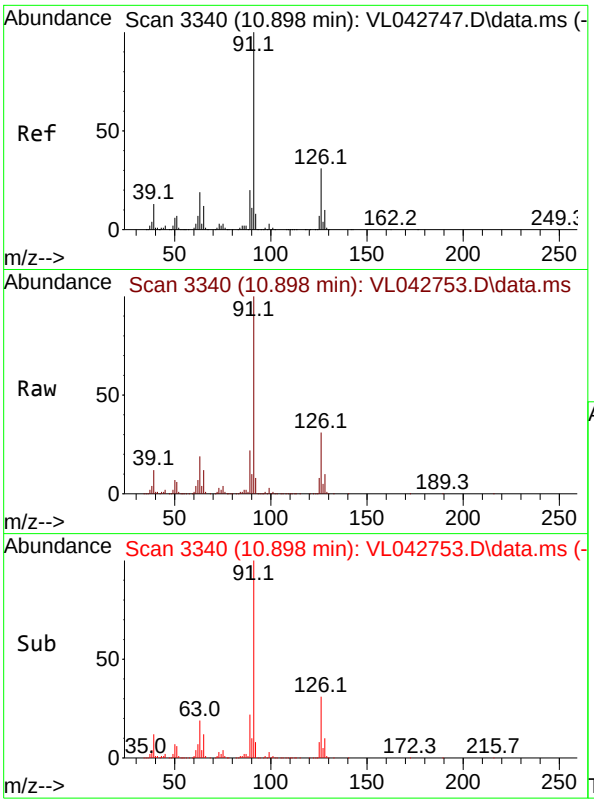


#70
n-Butylbenzene
Concen: 16.159 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 1152207

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.4	65.2
134	24.5	19.6	29.4



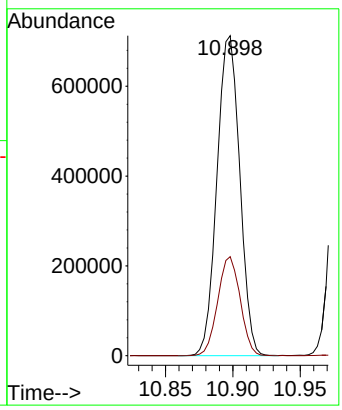


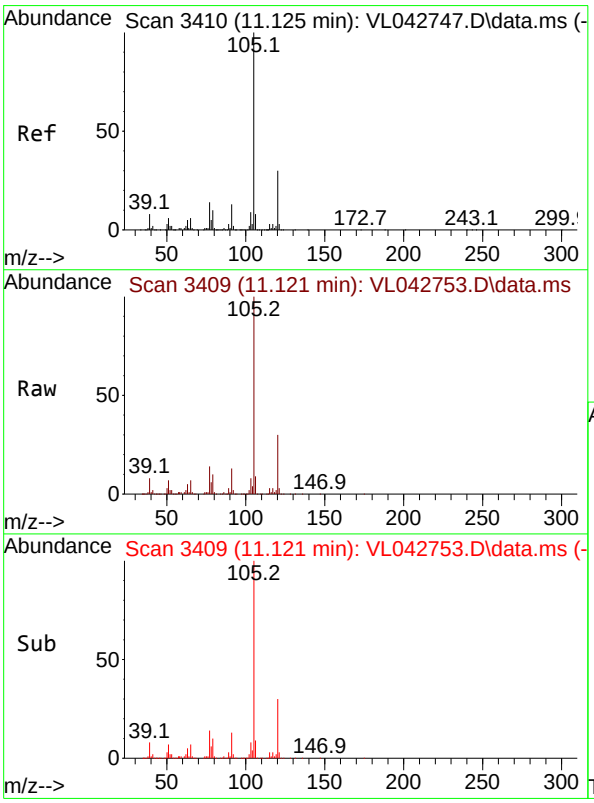
#71
2-Chlorotoluene
Concen: 15.257 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 838335

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.0	48.2

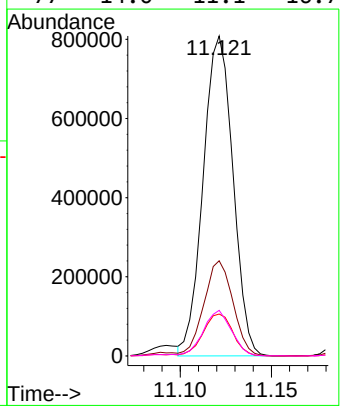


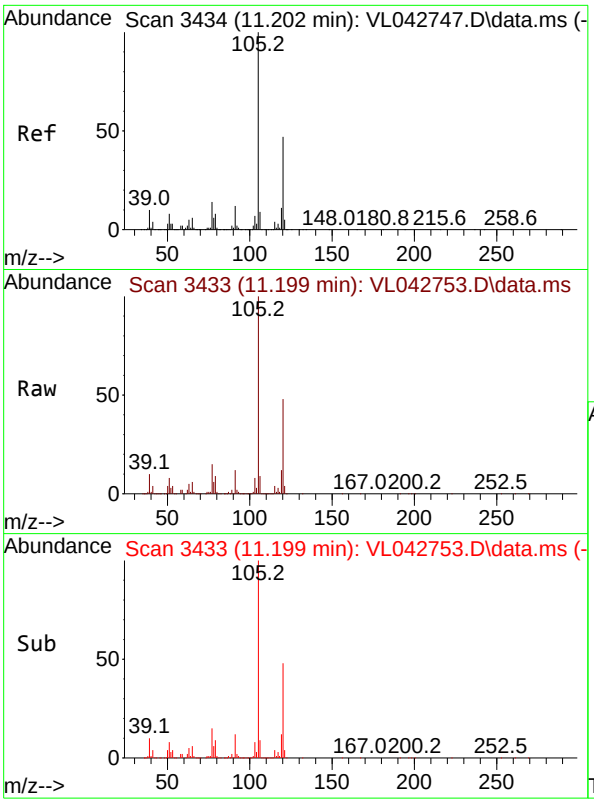


#72
4-Ethyltoluene
Concen: 15.830 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 918453

Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.4	36.6
91	13.5	10.6	15.8
77	14.0	11.1	16.7



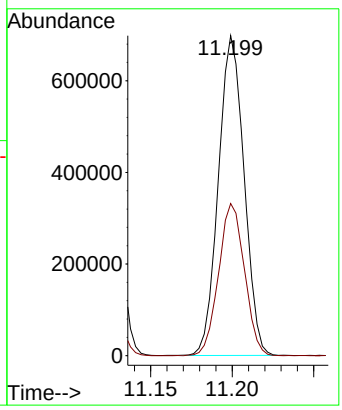


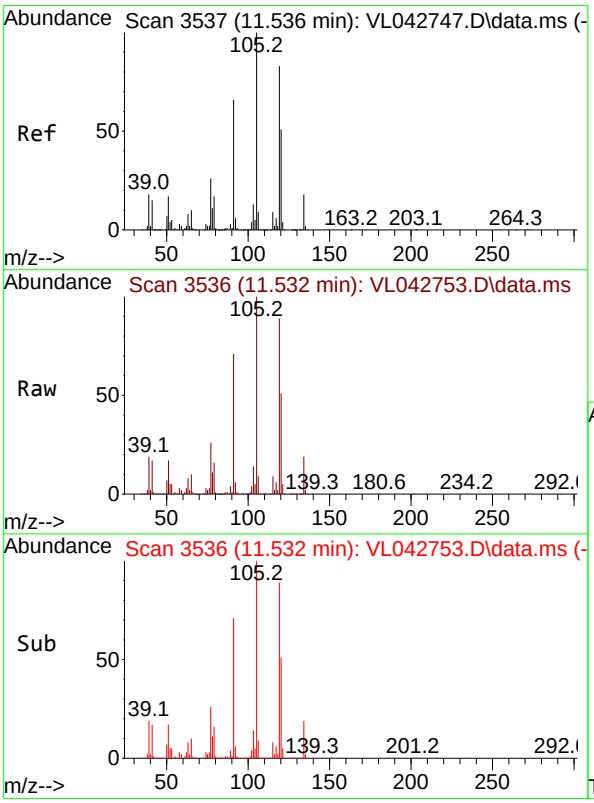
#73
1,3,5-Trimethylbenzene
Concen: 15.977 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 763212

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8

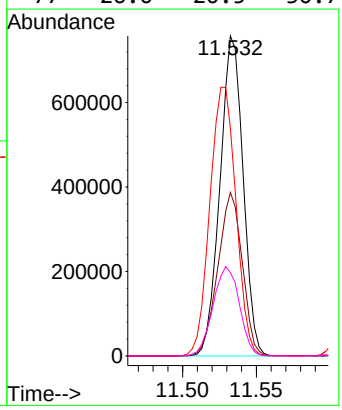


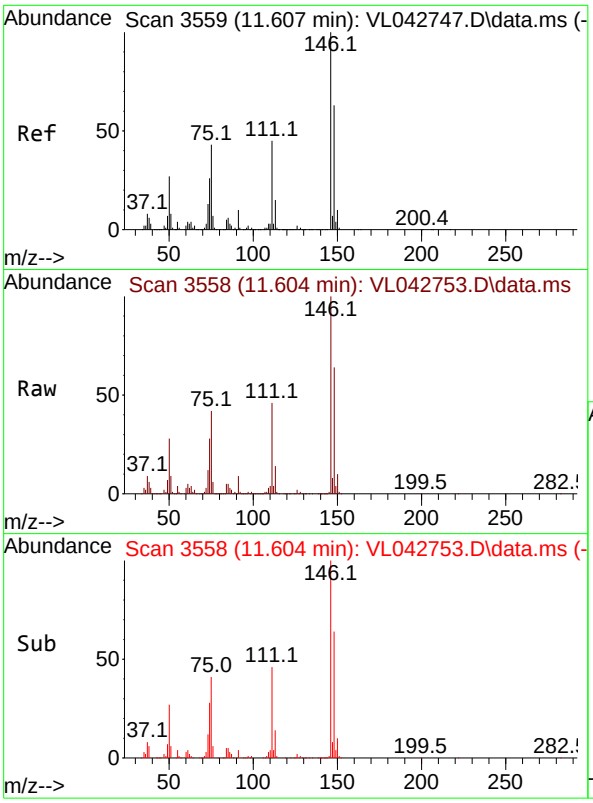


#74
1,2,4-Trimethylbenzene
Concen: 15.873 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 827222

Ion	Ratio	Lower	Upper
105	100		
120	51.1	40.8	61.2
91	71.2	53.0	79.4
77	26.0	20.5	30.7



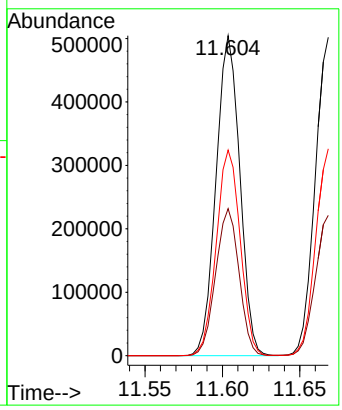


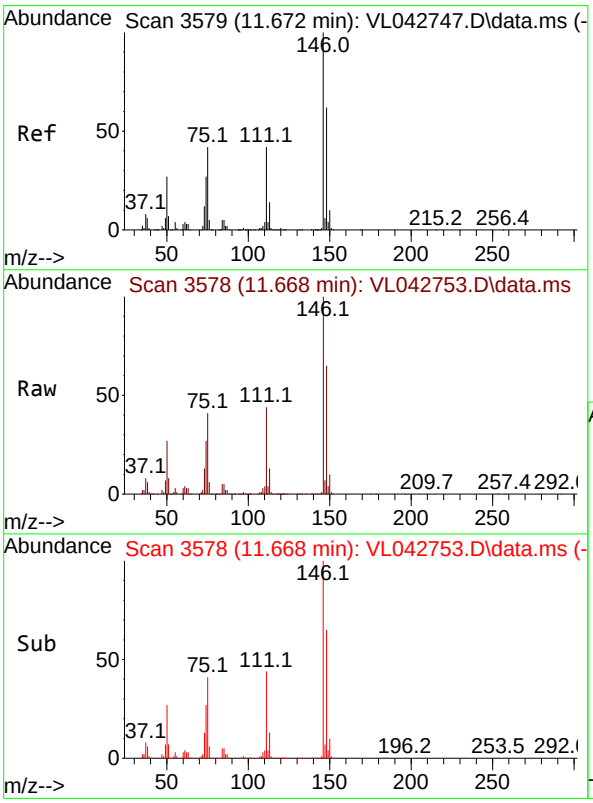
#75
1,3-Dichlorobenzene
Concen: 14.761 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 539284

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.7	68.0
148	64.6	31.9	95.5

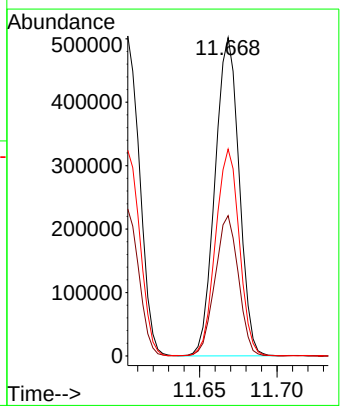


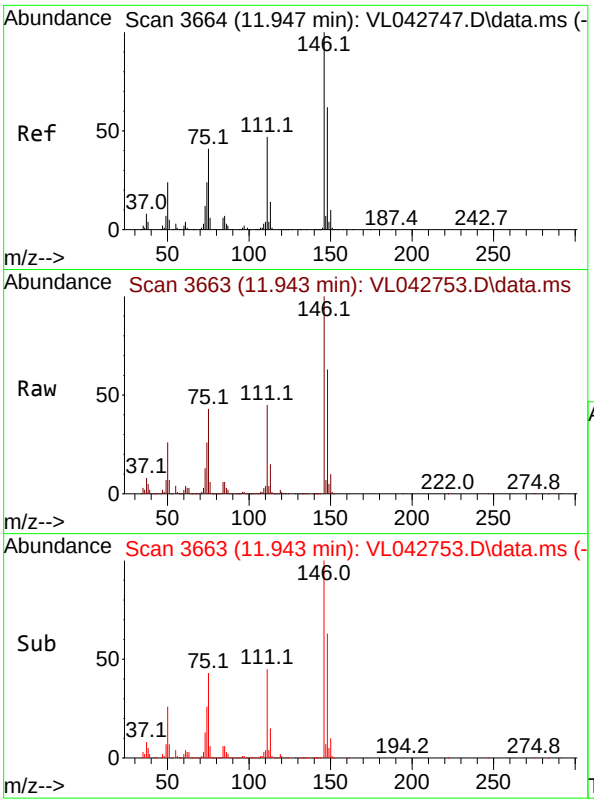


#76
1,4-Dichlorobenzene
Concen: 15.188 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 542998

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.2
148	64.3	32.1	96.3



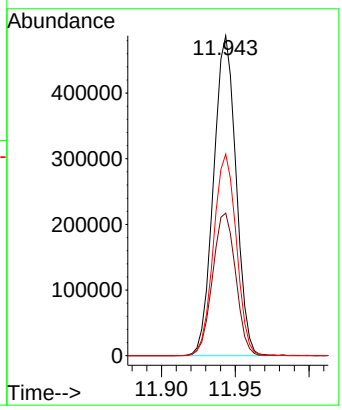


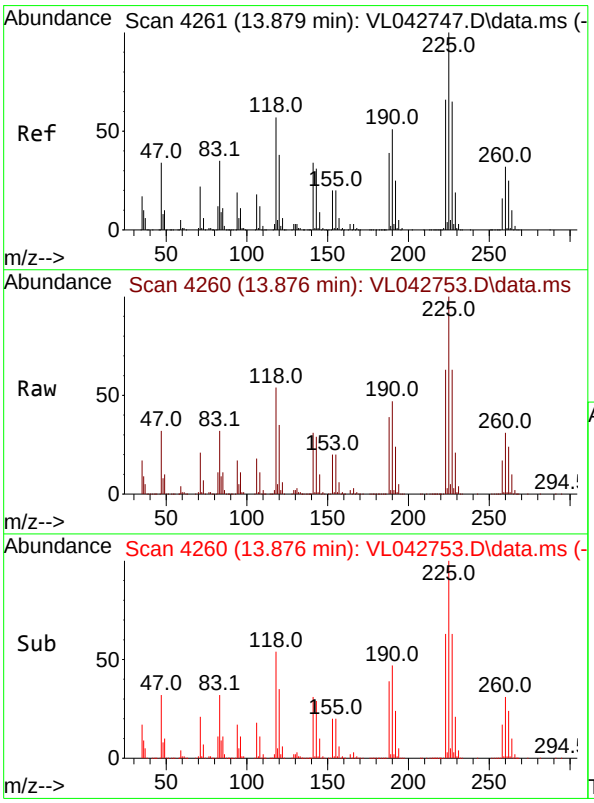
#77
1,2-Dichlorobenzene
Concen: 14.390 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 516714

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.7	71.1
148	64.0	32.6	97.7

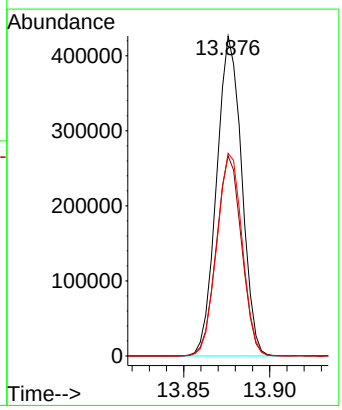


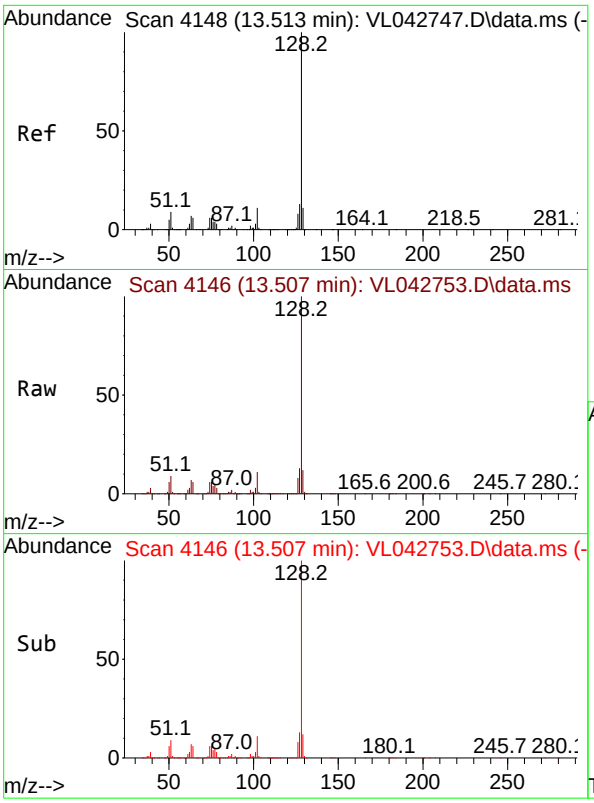


#78
Hexachloro-1,3-Butadiene
Concen: 13.296 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:225 Resp: 432138

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	64.3	50.5	75.7



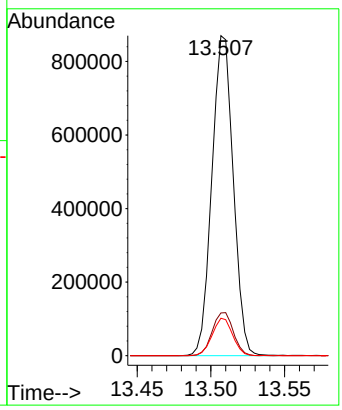


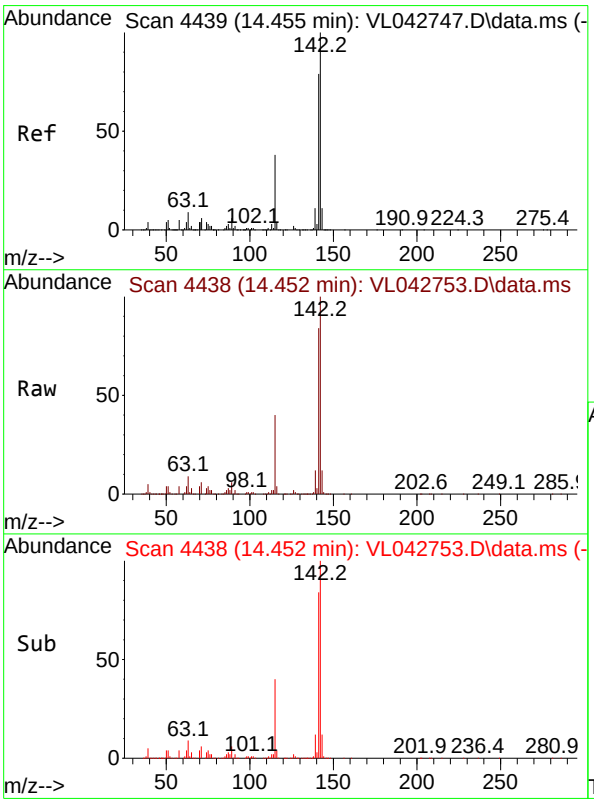
#79
Naphthalene
Concen: 15.265 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 876734

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.7	8.6	13.0

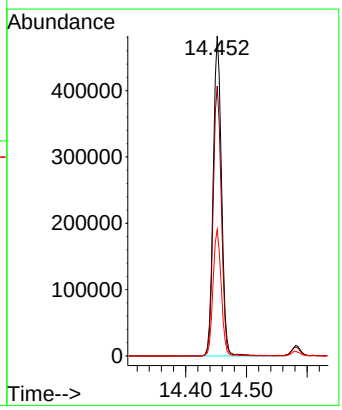


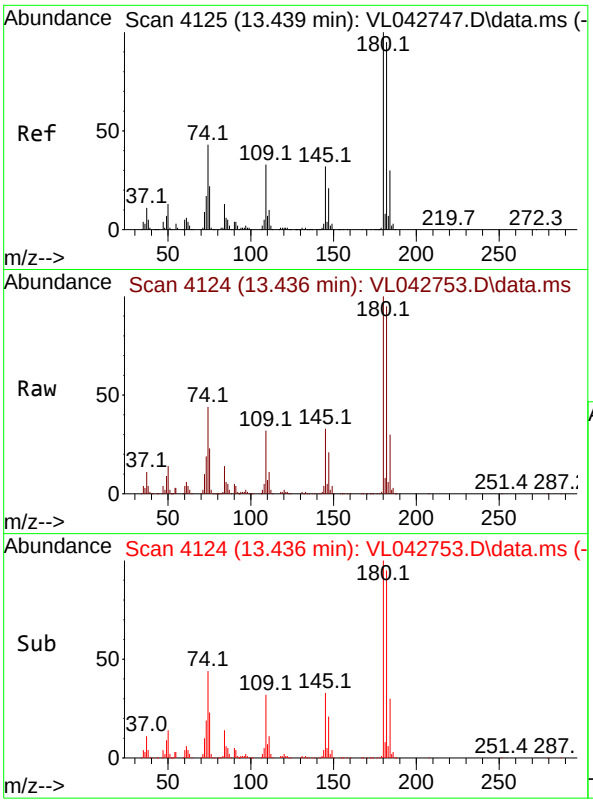


#80
Naphthalene,2-methyl-
Concen: 15.438 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:142 Resp: 456529

Ion	Ratio	Lower	Upper
142	100		
141	84.4	65.8	98.8
115	39.2	31.2	46.8



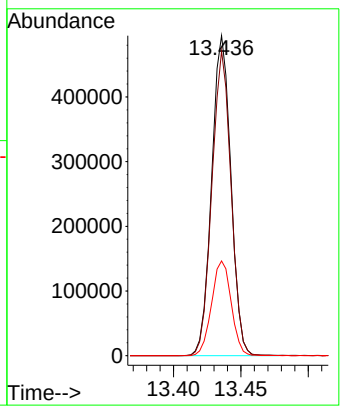


#81
1,2,4-Trichlorobenzene
Concen: 15.200 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 490575

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
184	30.3	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	152358	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.953	114	438604	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	393042	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	298283	9.583	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	2439	0.121	ppbv		90
3) Chlorodifluoromethane	1.609	51	1060	0.040	ppbv		99
4) Chloromethane	1.532	50	1066	0.131	ppbv		99
5) Vinyl Chloride	1.583	62	837	0.104	ppbv	#	60
6) Bromomethane	1.667	94	438	0.141	ppbv		82
7) Chloroethane	1.706	64	526	0.169	ppbv		98
8) Dichlorotetrafluoroethane	1.554	85	1725	0.104	ppbv		97
9) Propene	1.486	41	1118	0.117	ppbv	#	68
10) Heptane	4.975	43	817	0.032	ppbv	#	27
11) Trichlorofluoromethane	1.878	101	2050	0.099	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.140	101	1772	0.112	ppbv		96
13) Ethanol	1.891	45	1804	1.545	ppbv		74
14) Bromoethene	1.781	108	778	0.139	ppbv	#	54
15) Acetone	1.836	43	3734	0.177	ppbv		95
16) 1,3-Butadiene	1.609	39	976	0.109	ppbv	#	41
17) tert-Butyl alcohol	2.040	59	2194	0.116	ppbv	#	79
18) 1,1-Dichloroethene	2.036	96	899	0.126	ppbv	#	56
19) Isopropyl Alcohol	1.891	45	1804	0.161	ppbv	#	59
20) Methylene Chloride	2.062	84	2080	0.314	ppbv	#	77
21) Allyl Chloride	2.098	41	1747	0.135	ppbv	#	54
22) trans-1,2-Dichloroethene	2.337	96	1116	0.146	ppbv	#	63
23) Vinyl Acetate	2.457	43	3460	0.136	ppbv	#	61
24) 1,1-Dichloroethane	2.409	63	1620	0.103	ppbv	#	90
25) Ethyl Acetate	2.833	43	1813	0.039	ppbv	#	67
26) Hexane	2.823	57	1982	0.097	ppbv	#	76
27) Carbon Disulfide	2.146	76	1789	0.102	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	1378	0.143	ppbv	#	60
29) Chloroform	2.412	83	101	0.003	ppbv		97
30) Cyclohexane	3.852	84	516	0.030	ppbv	#	1
31) cis-1,2-Dichloroethene	2.716	61	2152	0.103	ppbv	#	87
32) 1,1,1-Trichloroethane	3.363	97	3550	0.108	ppbv		96
34) 2-Butanone	2.564	43	4086	0.132	ppbv		95
35) Carbon Tetrachloride	3.768	117	796	0.024	ppbv		96
36) Benzene	3.658	78	1246	0.030	ppbv		96
37) 1,2-Dichloroethane	3.218	62	1114	0.044	ppbv	#	57
38) Trichloroethene	4.538	130	333	0.017	ppbv	#	29
39) 1,2-Dichloropropane	3.956	63	113176	7.376	ppbv	#	21
40) 1,4-Dioxane	4.603	88	294	0.041	ppbv	#	39
41) Tetrahydrofuran	3.050	42	83	0.005	ppbv	#	38
42) Bromodichloromethane	4.483	83	1563	0.048	ppbv	#	84
43) Methyl Methacrylate	4.865	69	298	0.020	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.639	57	1109	0.016	ppbv	#	1
45) t-1,3-Dichloropropene	6.412	75	912	0.055	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

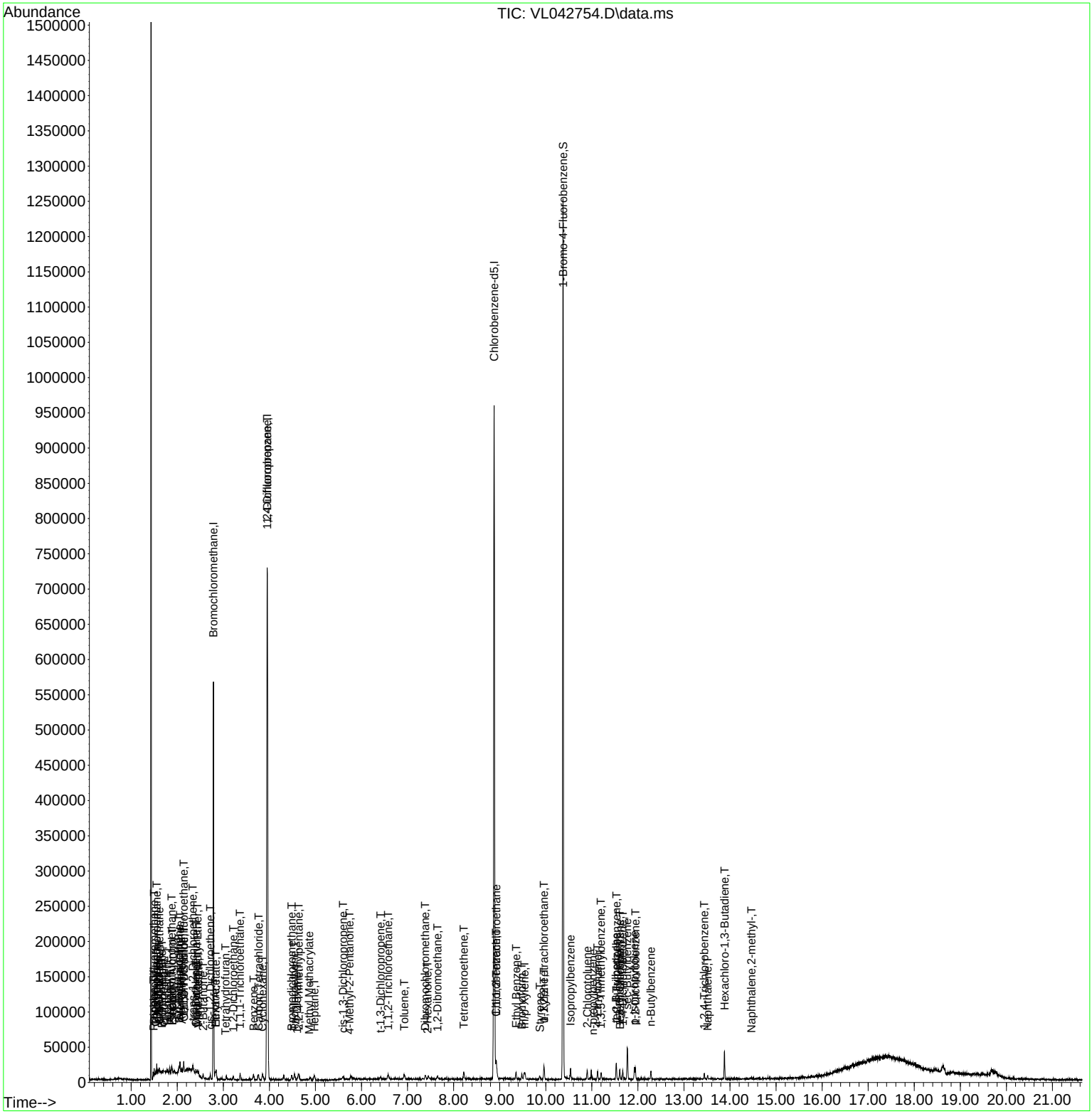
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	1232	0.059	ppbv	#	42
47) 1,1,2-Trichloroethane	6.577	97	787	0.048	ppbv	#	55
48) Dibromochloromethane	7.380	129	1591	0.061	ppbv	#	21
49) Bromoform	9.477	173	1201	0.053	ppbv	#	29
50) 4-Methyl-2-Pentanone	5.739	43	126	0.003	ppbv	#	40
51) 2-Hexanone	7.435	43	436	0.014	ppbv	#	30
52) Tetrachloroethene	8.222	164	981	0.057	ppbv	#	62
53) Toluene	6.930	91	1198	0.027	ppbv	#	1
54) 1,2-Dibromoethane	7.649	107	1080	0.047	ppbv	#	52
56) 1,1,1,2-Tetrachloroethane	8.927	131	922	0.045	ppbv	#	1
57) Chlorobenzene	8.921	112	4337	0.114	ppbv	#	88
58) Ethyl Benzene	9.358	91	2183	0.035	ppbv		100
59) m/p-Xylene	9.539	91	5405	0.109	ppbv	#	60
60) o-Xylene	9.963	91	2101	0.042	ppbv	#	53
61) Styrene	9.872	104	807	0.039	ppbv	#	29
62) Isopropylbenzene	10.536	105	5985	0.082	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.963	83	1989	0.062	ppbv	#	49
64) n-propylbenzene	11.025	120	48	0.003	ppbv		74
65) tert-Butylbenzene	11.523	119	4707	0.072	ppbv		91
66) Benzyl Chloride	11.614	91	204	0.038	ppbv	#	78
67) sec-Butylbenzene	11.766	105	6449	0.070	ppbv	#	90
69) p-Isopropyltoluene	11.924	119	5342	0.071	ppbv		93
70) n-Butylbenzene	12.284	91	4198	0.058	ppbv		94
71) 2-Chlorotoluene	10.905	91	4180	0.075	ppbv		77
72) 4-Ethyltoluene	11.125	105	3597	0.061	ppbv	#	82
73) 1,3,5-Trimethylbenzene	11.199	105	3603	0.074	ppbv	#	70
74) 1,2,4-Trimethylbenzene	11.536	105	3826	0.072	ppbv	#	90
75) 1,3-Dichlorobenzene	11.607	146	2417	0.065	ppbv	#	67
76) 1,4-Dichlorobenzene	11.672	146	3265	0.090	ppbv		95
77) 1,2-Dichlorobenzene	11.947	146	3354	0.092	ppbv		96
78) Hexachloro-1,3-Butadiene	13.883	225	4077	0.123	ppbv		97
79) Naphthalene	13.514	128	2509	0.475	ppbv	#	96
80) Naphthalene,2-methyl-	14.468	142	676	1.147	ppbv	#	70
81) 1,2,4-Trichlorobenzene	13.442	180	1396	0.475	ppbv	#	78

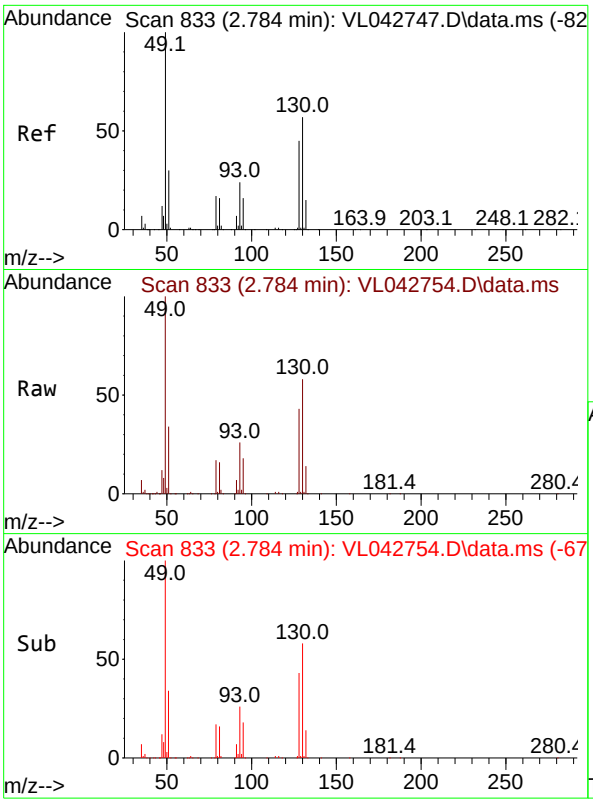
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042754.D
Acq On : 23 Jul 2025 13:00
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 24 05:01:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration



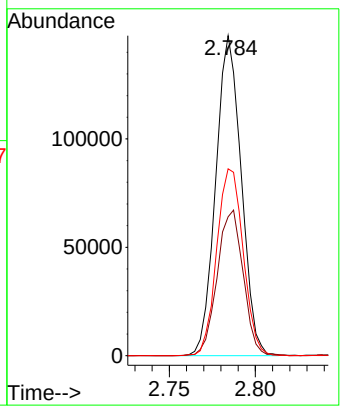


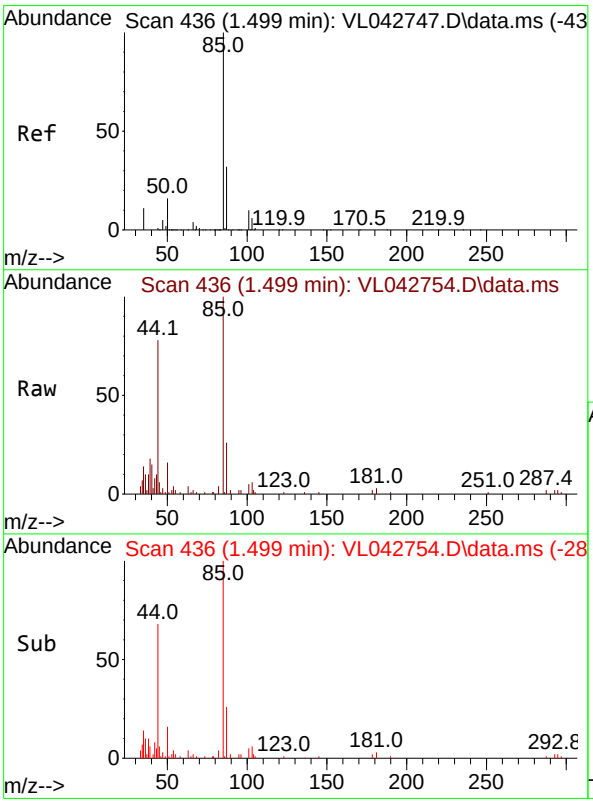
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 152358

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	60.6	30.3	90.8

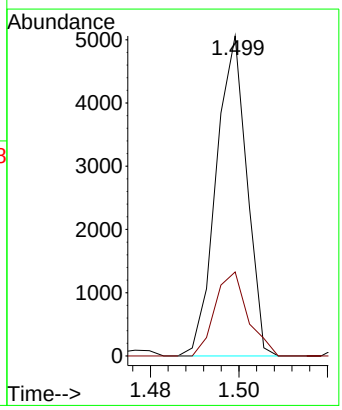


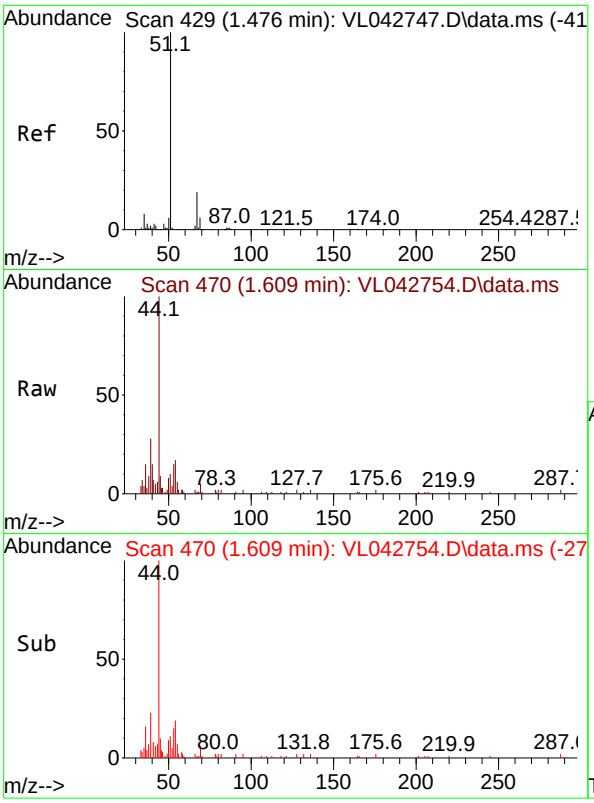


#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 85 Resp: 2439

Ion	Ratio	Lower	Upper
85	100		
87	26.3	25.4	38.2



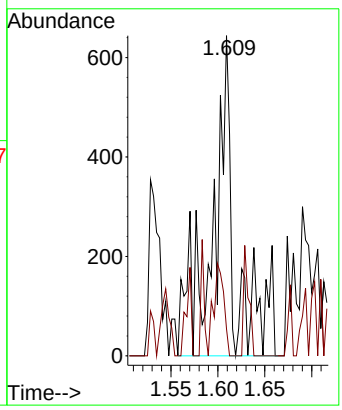


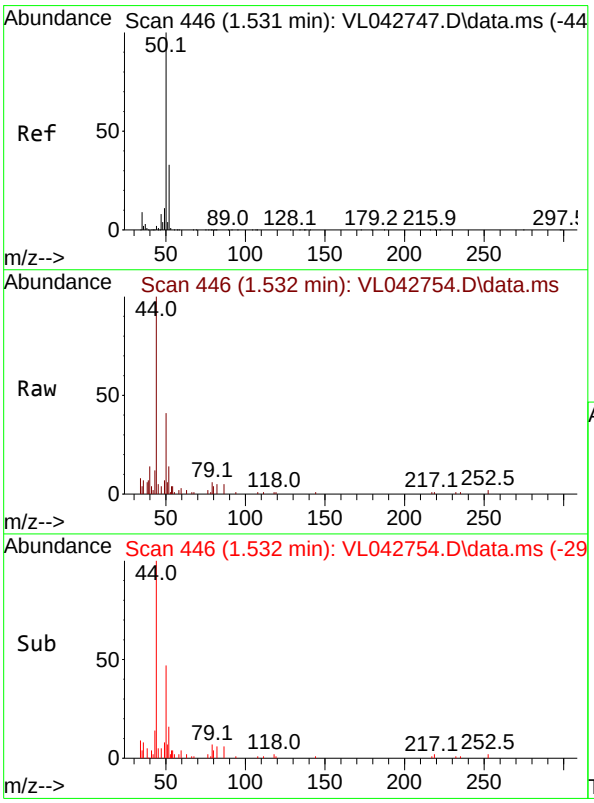
#3
Chlorodifluoromethane
Concen: 0.040 ppbv
RT: 1.609 min Scan# 4
Delta R.T. 0.133 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 1060

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.0	22.6

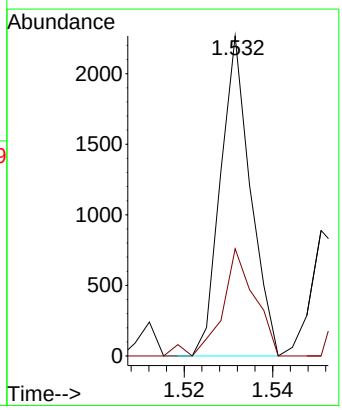


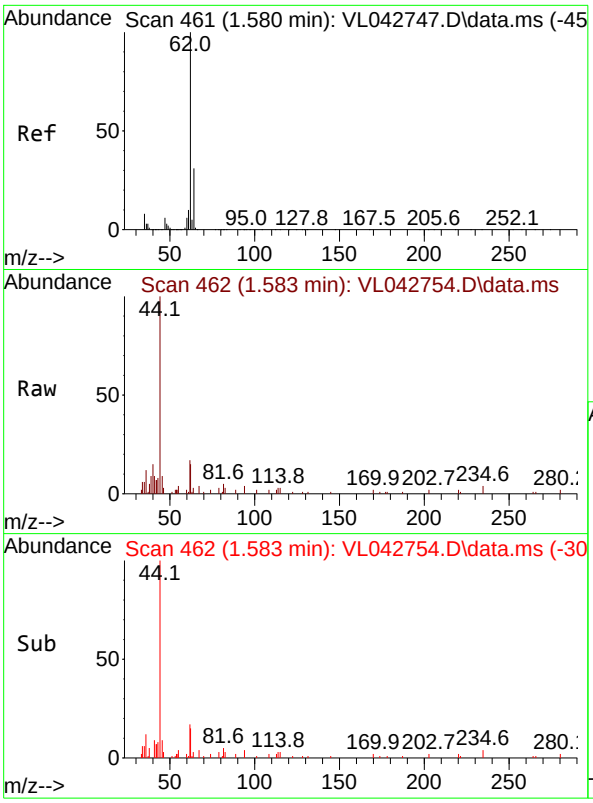


#4
Chloromethane
Concen: 0.131 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 50 Resp: 1066

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.6	40.0



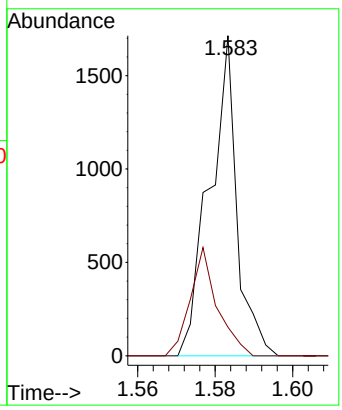


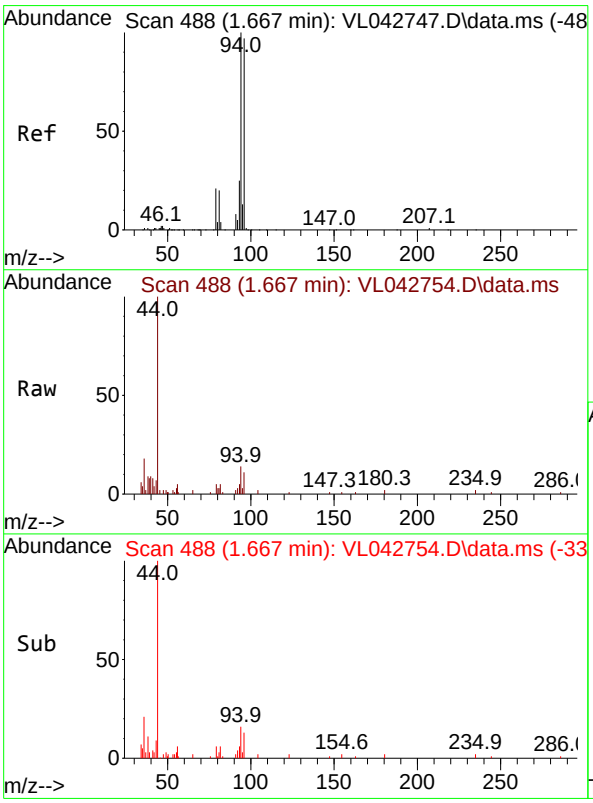
#5
Vinyl Chloride
Concen: 0.104 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 837

Ion	Ratio	Lower	Upper
62	100		
64	8.9	24.5	36.7#

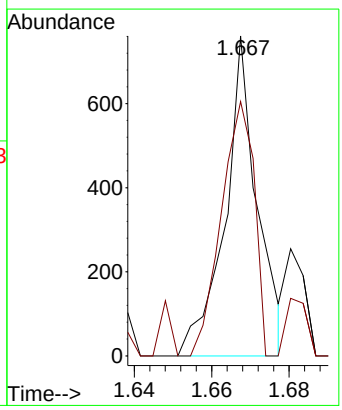


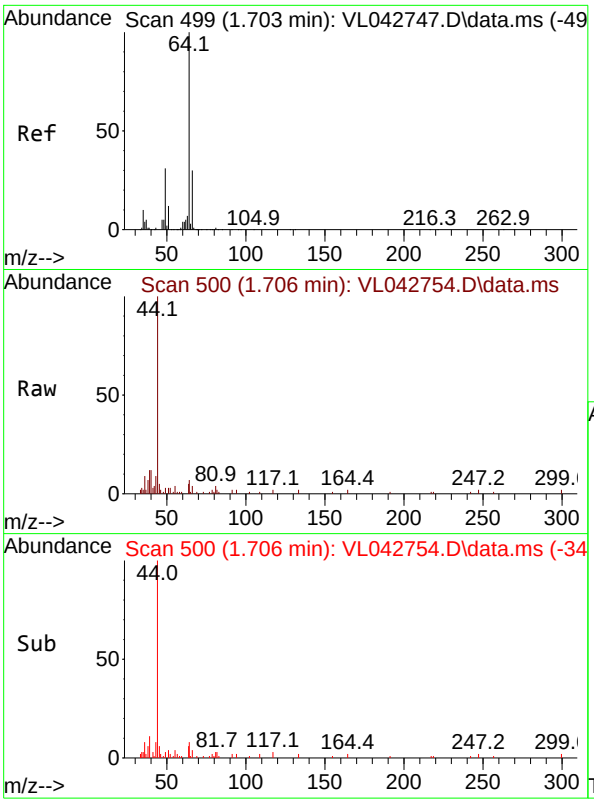


#6
Bromomethane
Concen: 0.141 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 94 Resp: 438

Ion	Ratio	Lower	Upper
94	100		
96	79.5	77.6	116.4



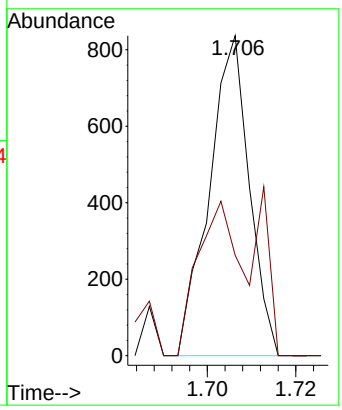


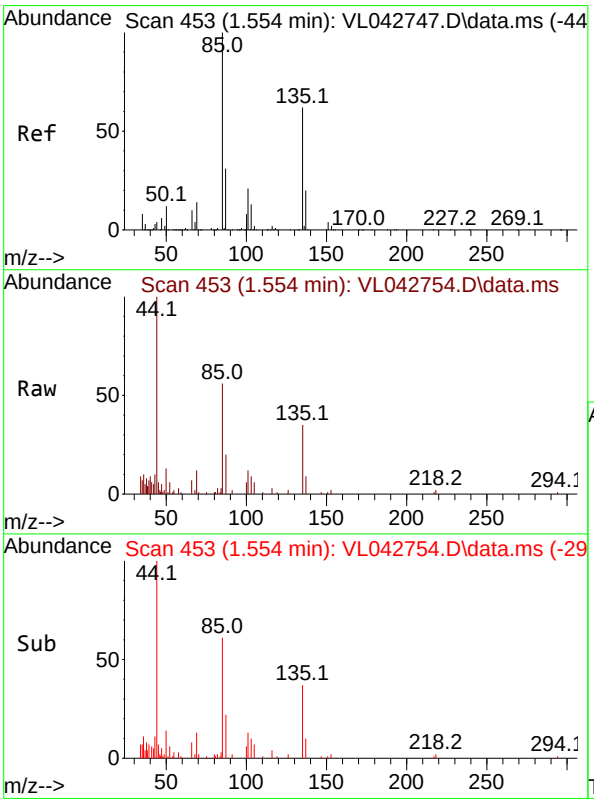
#7
Chloroethane
Concen: 0.169 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 526

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.1	36.1

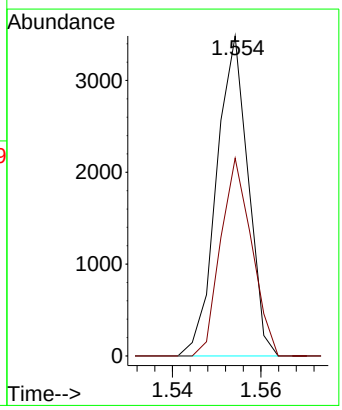


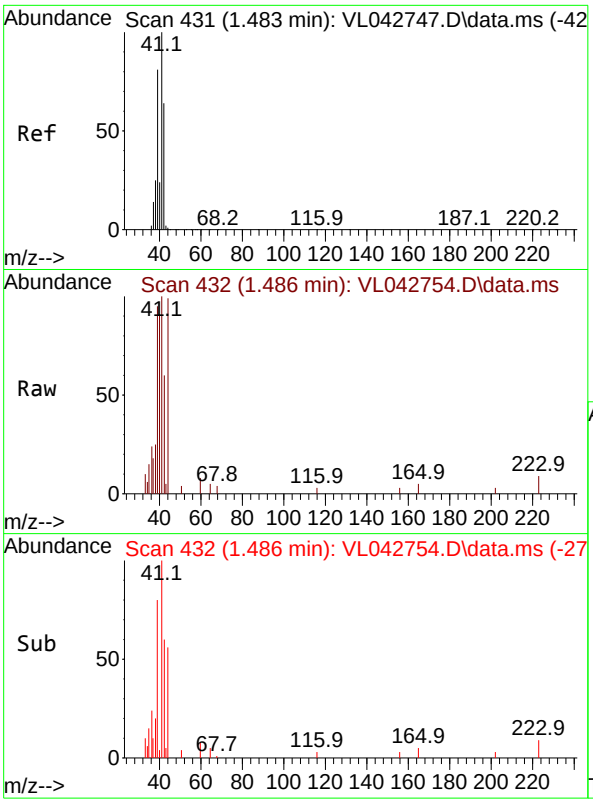


#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 85 Resp: 1725

Ion	Ratio	Lower	Upper
85	100		
135	61.0	50.6	76.0



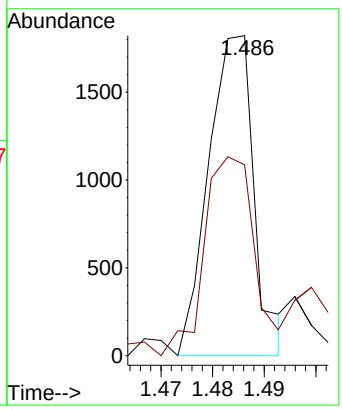


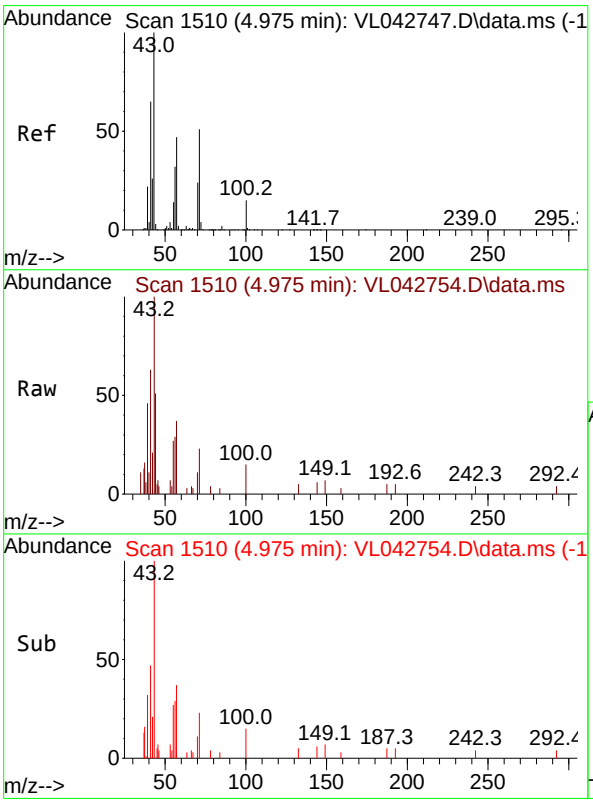
#9
Propene
Concen: 0.117 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1118

Ion	Ratio	Lower	Upper
41	100		
42	92.3	53.2	79.8#

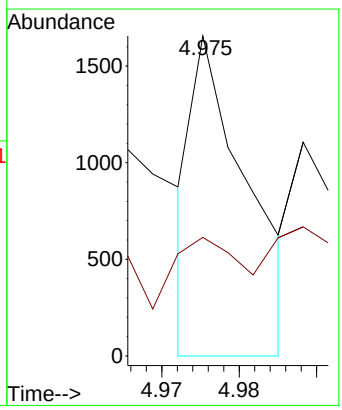


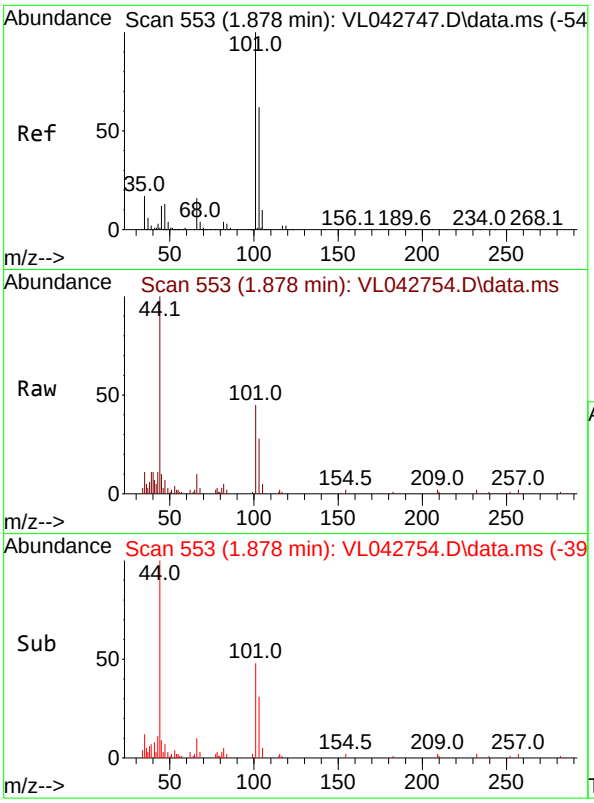


#10
Heptane
Concen: 0.032 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 817

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#



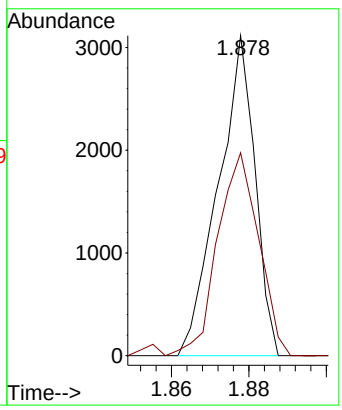


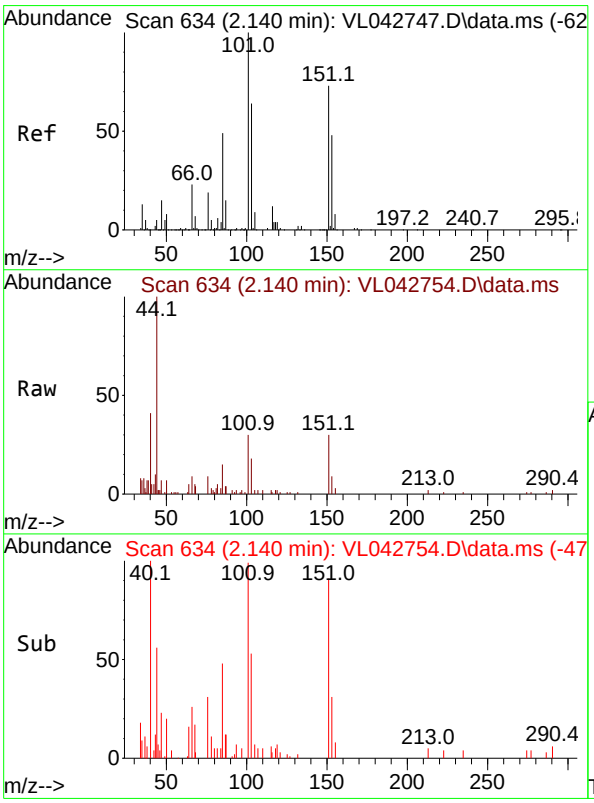
#11
Trichlorofluoromethane
Concen: 0.099 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 2050

Ion	Ratio	Lower	Upper
101	100		
103	61.8	49.6	74.4

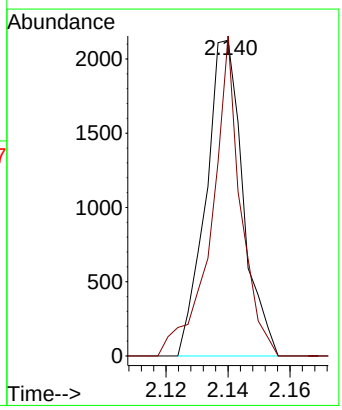


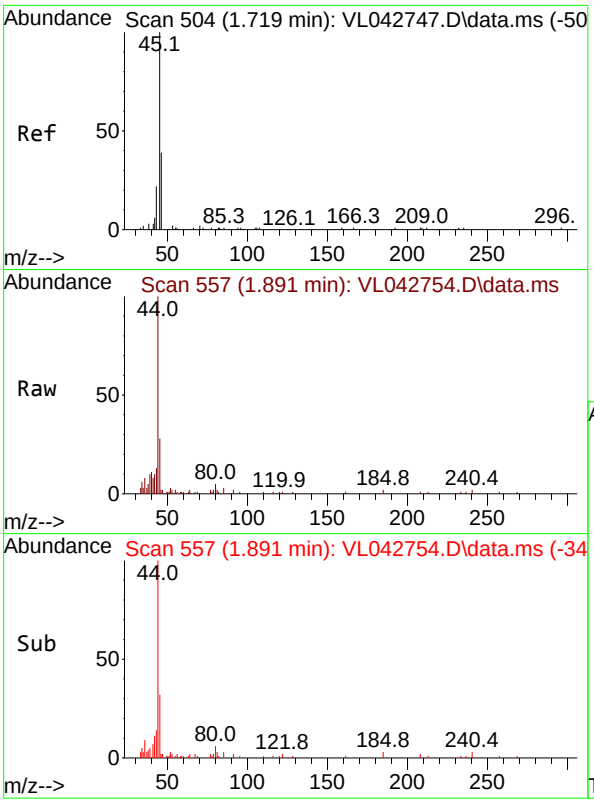


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.112 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:101 Resp: 1772

Ion	Ratio	Lower	Upper
101	100		
151	79.0	60.5	90.7



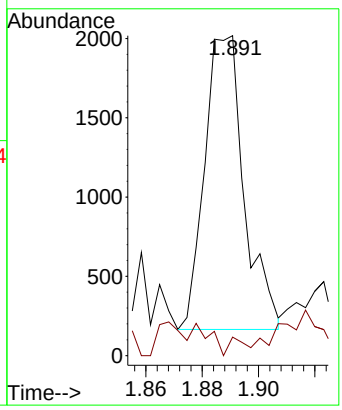


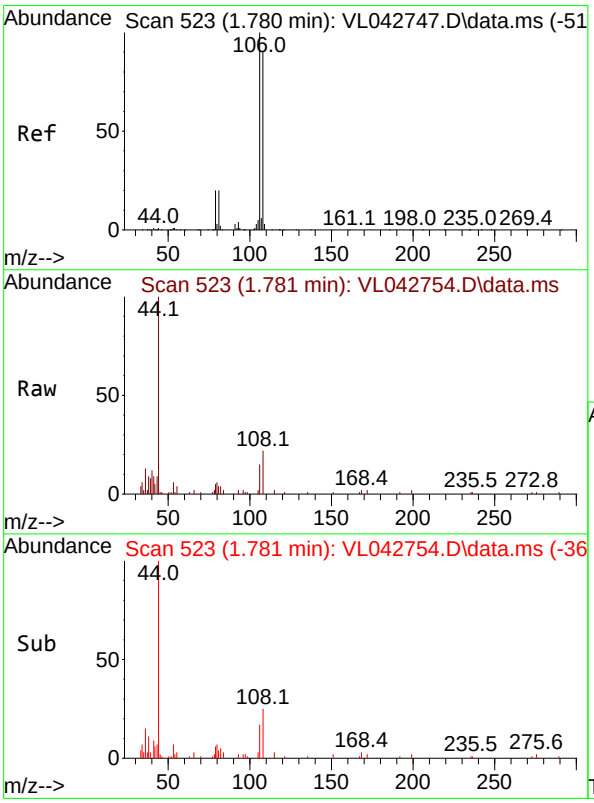
#13
Ethanol
Concen: 1.545 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.172 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1804

Ion	Ratio	Lower	Upper
45	100		
46	27.4	17.8	71.4

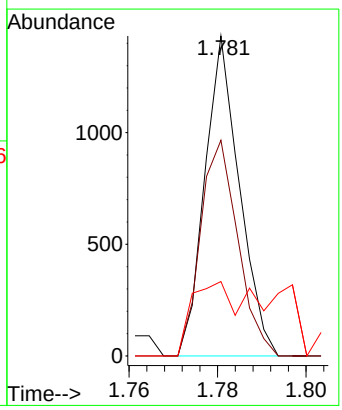


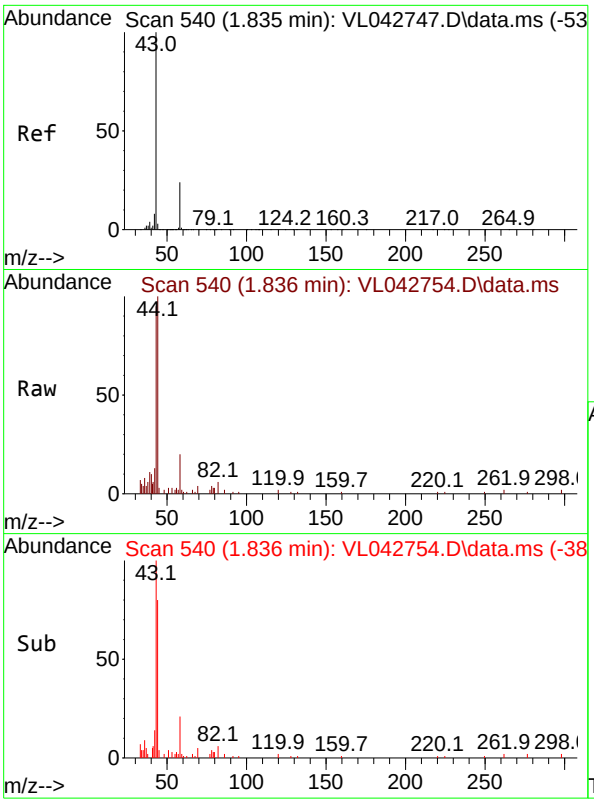


#14
Bromoethene
Concen: 0.139 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:108 Resp: 778

Ion	Ratio	Lower	Upper
108	100		
106	72.5	84.7	127.1#
79	74.6	17.4	26.2#



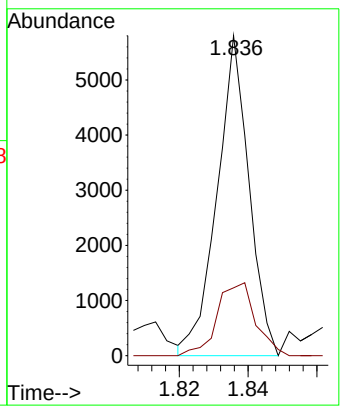


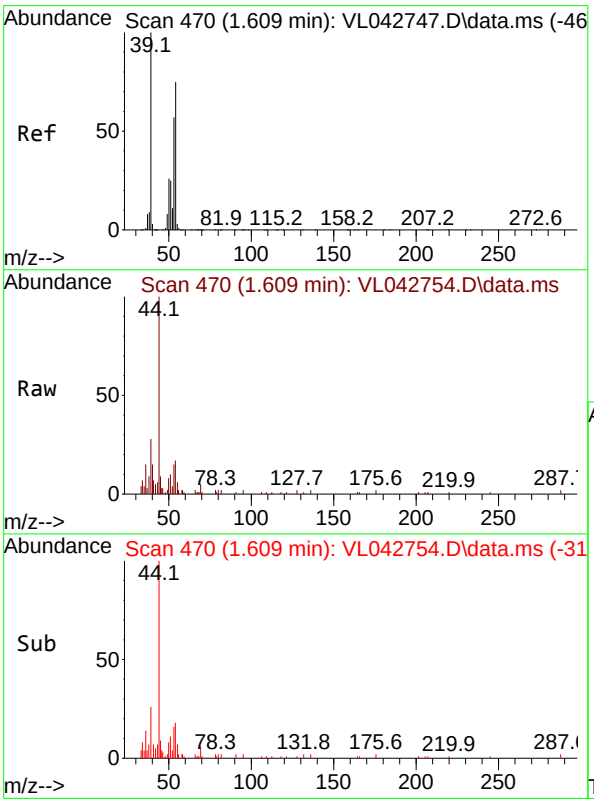
#15
Acetone
Concen: 0.177 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3734

Ion	Ratio	Lower	Upper
43	100		
58	27.4	19.8	29.8

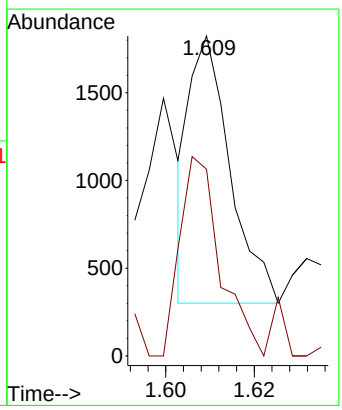


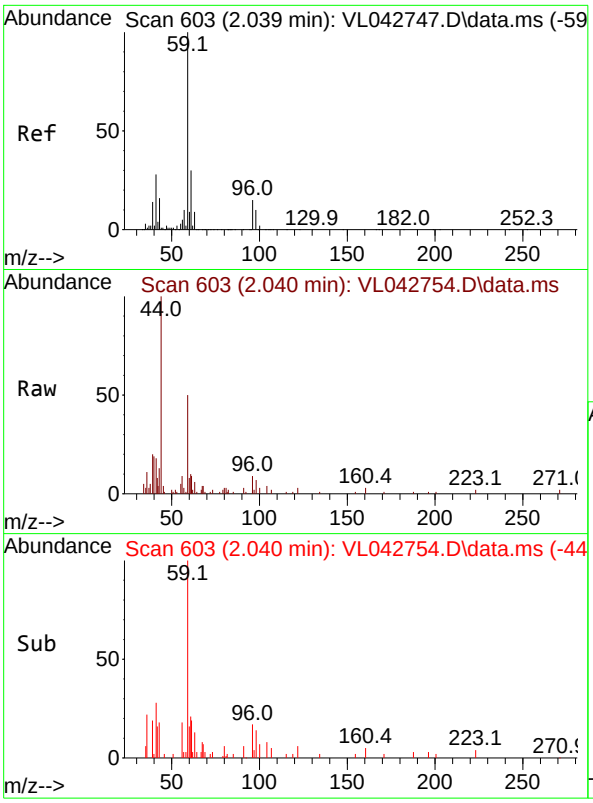


#16
1,3-Butadiene
Concen: 0.109 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 39 Resp: 976

Ion	Ratio	Lower	Upper
39	100		
54	115.6	54.5	81.7#



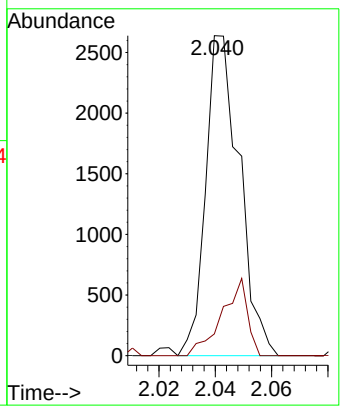


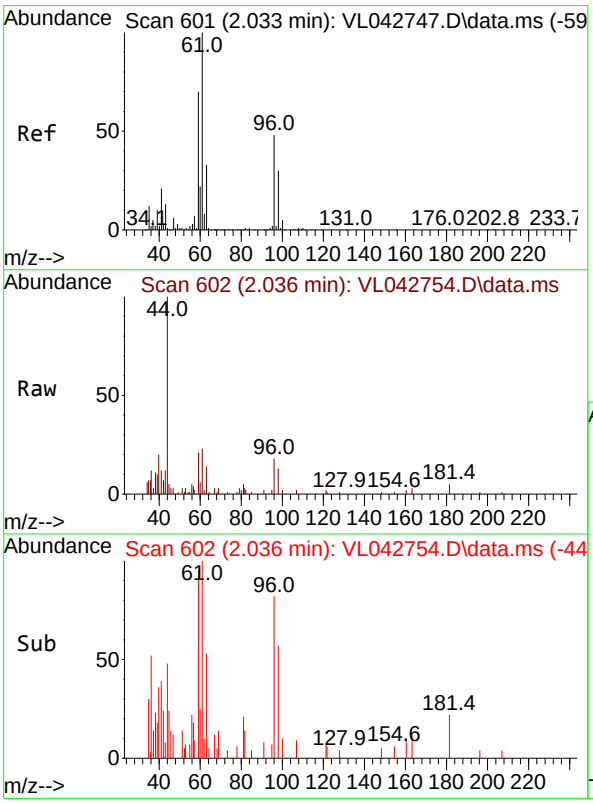
#17
tert-Butyl alcohol
Concen: 0.116 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 59 Resp: 2194

Ion	Ratio	Lower	Upper
59	100		
57	18.3	8.3	12.5#

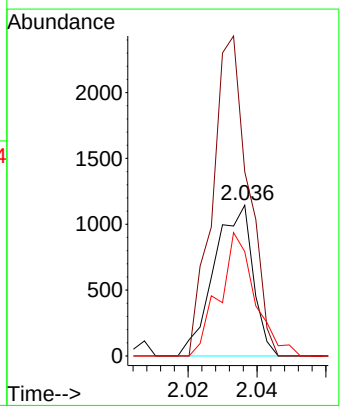


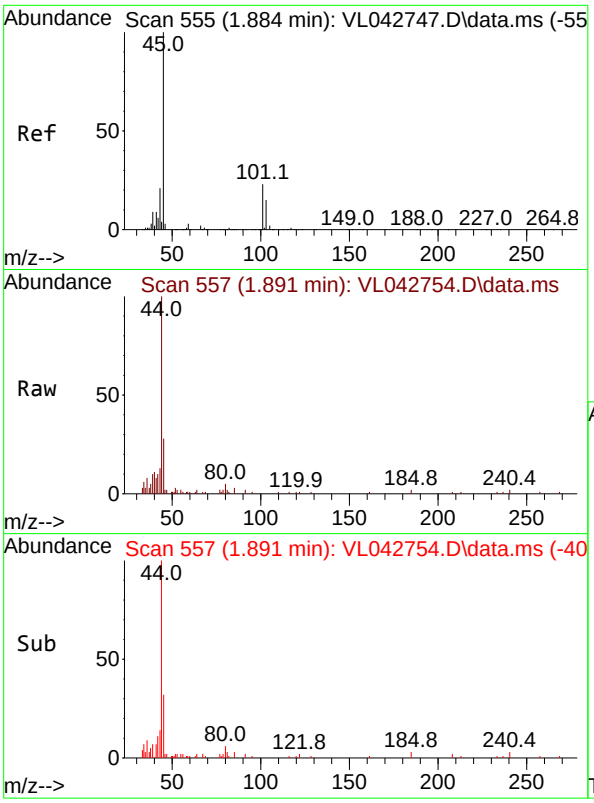


#18
1,1-Dichloroethene
Concen: 0.126 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 96 Resp: 899

Ion	Ratio	Lower	Upper
96	100		
61	122.3	165.8	248.6#
98	69.2	49.9	74.9



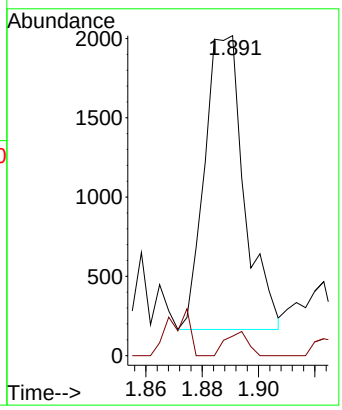


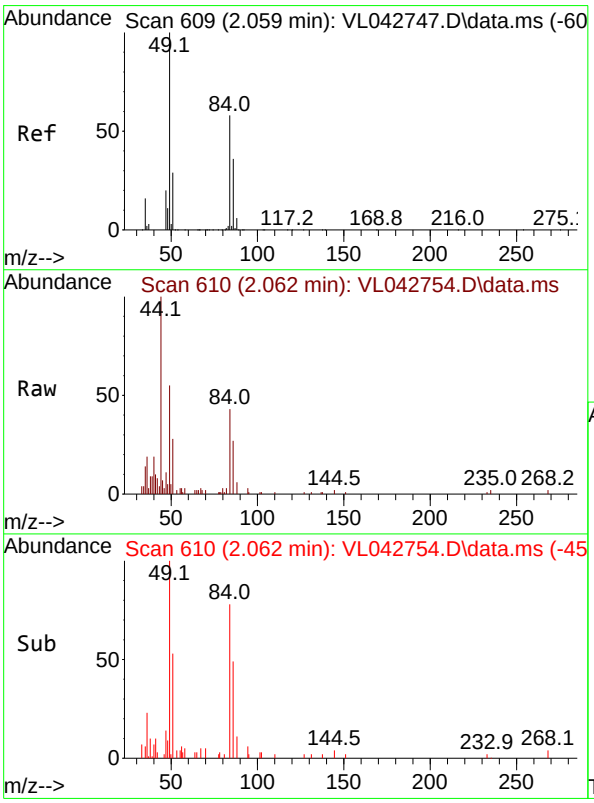
#19
Isopropyl Alcohol
Concen: 0.161 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1804

Ion	Ratio	Lower	Upper
45	100		
58	13.0	30.0	45.0#

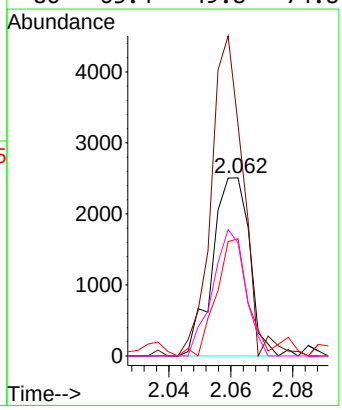


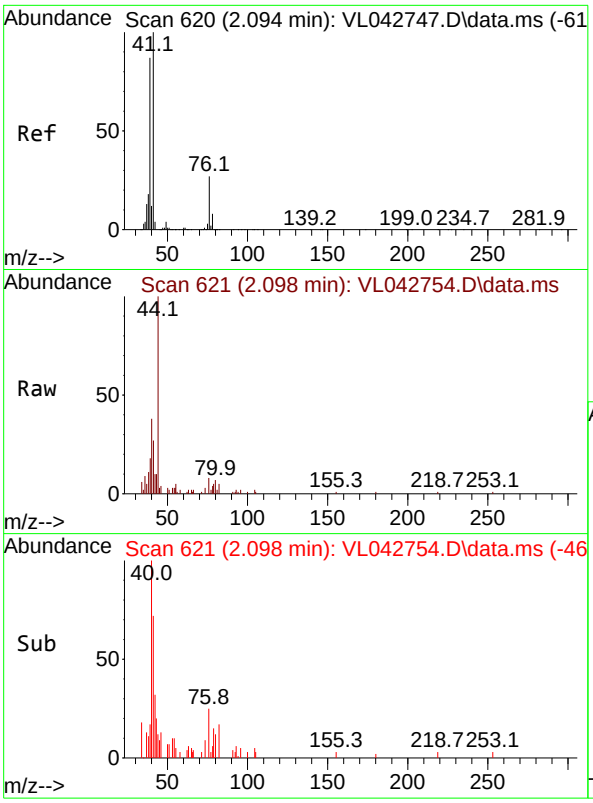


#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 84 Resp: 2080

Ion	Ratio	Lower	Upper
84	100		
49	129.9	138.6	208.0#
51	65.8	40.6	61.0#
86	63.4	49.8	74.8



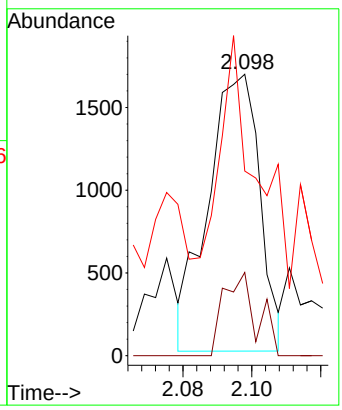


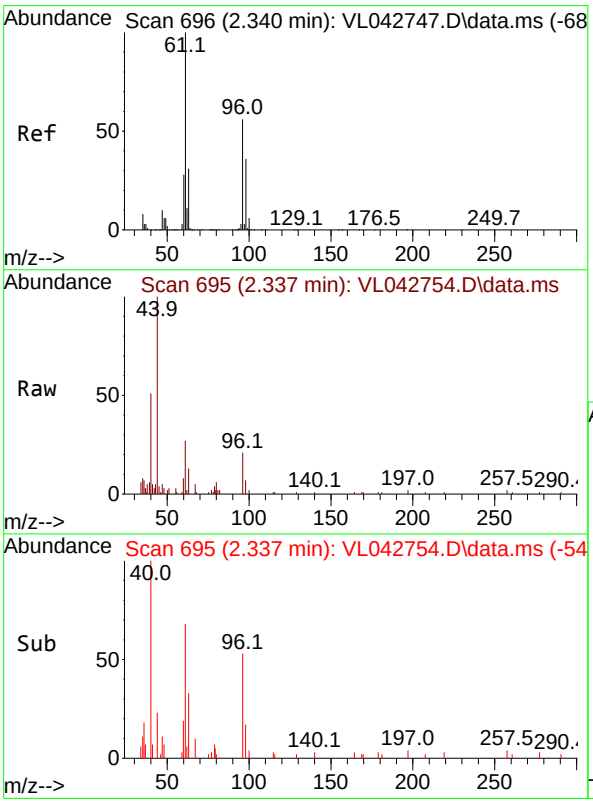
#21
Allyl Chloride
Concen: 0.135 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1747

Ion	Ratio	Lower	Upper
41	100		
76	19.1	21.1	31.7#
39	136.5	68.3	102.5#

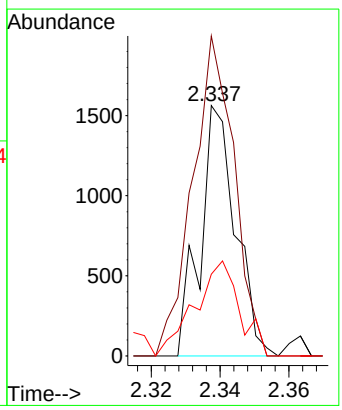


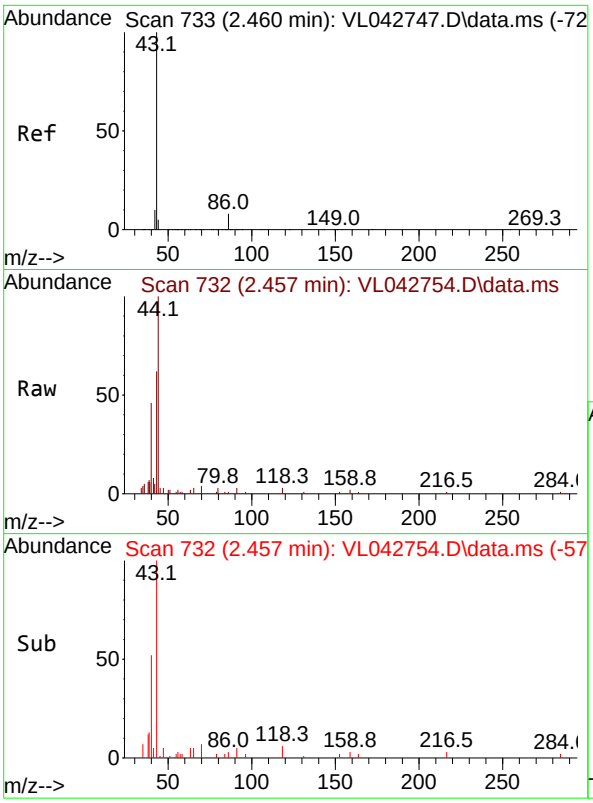


#22
trans-1,2-Dichloroethene
Concen: 0.146 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 96 Resp: 1116

Ion	Ratio	Lower	Upper
96	100		
61	127.8	142.3	213.5#
98	32.6	50.6	76.0#



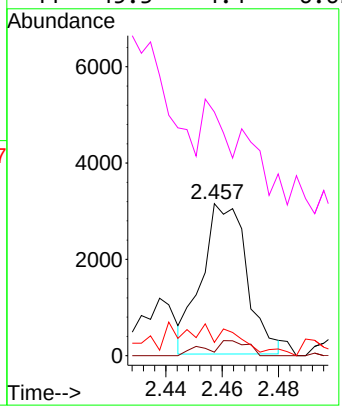


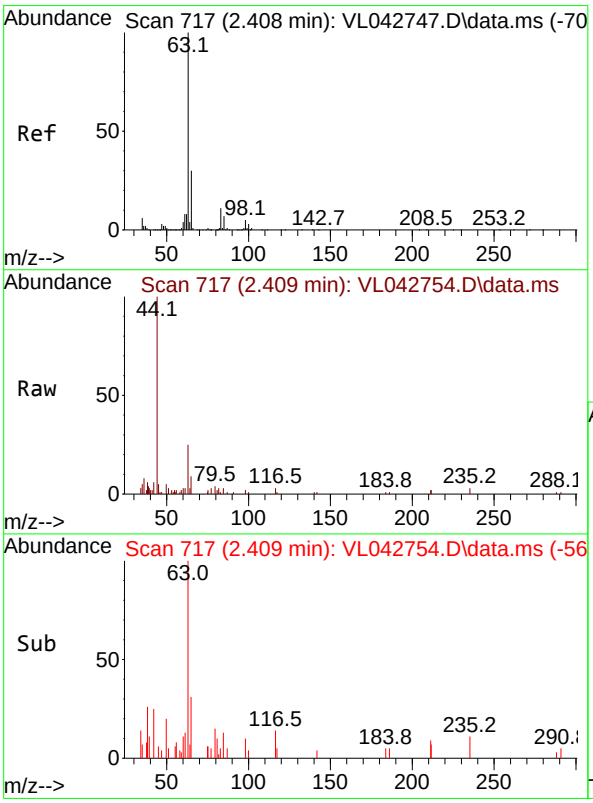
#23
Vinyl Acetate
Concen: 0.136 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3460

Ion	Ratio	Lower	Upper
43	100		
86	2.5	6.1	9.1#
42	4.8	7.8	11.8#
44	45.3	4.4	6.6#

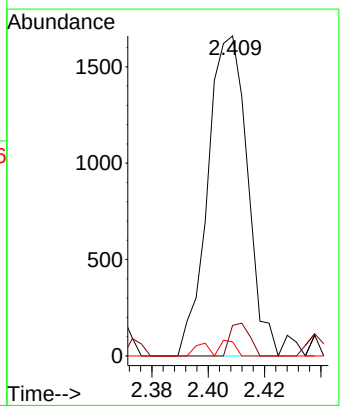


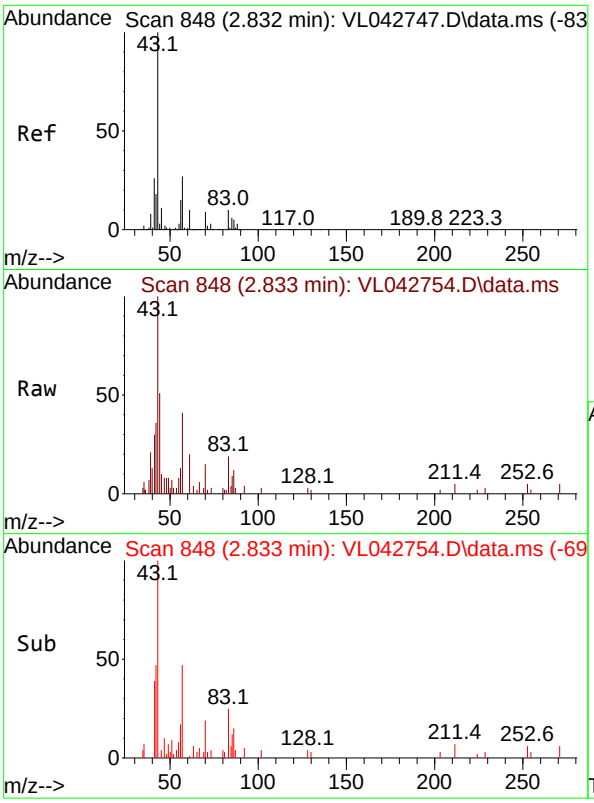


#24
1,1-Dichloroethane
Concen: 0.103 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 63 Resp: 1620

Ion	Ratio	Lower	Upper
63	100		
98	9.5	2.5	7.4#
100	4.4	1.6	4.8



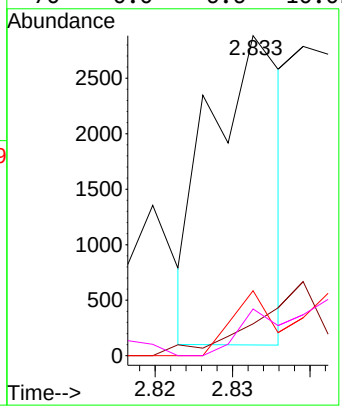


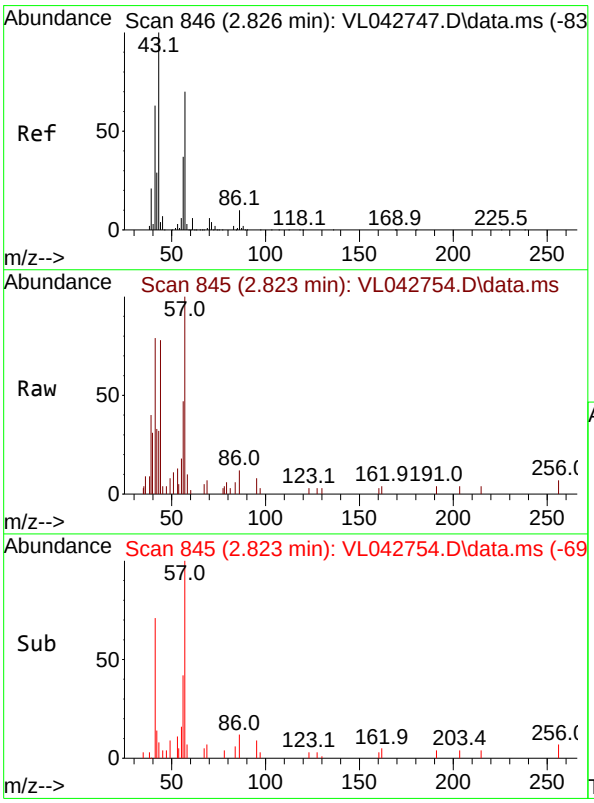
#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 1813

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	26.6	6.7	10.1#
70	0.0	6.6	10.0#

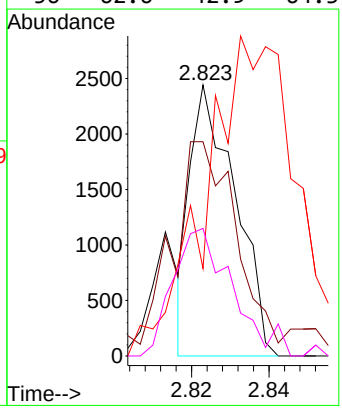


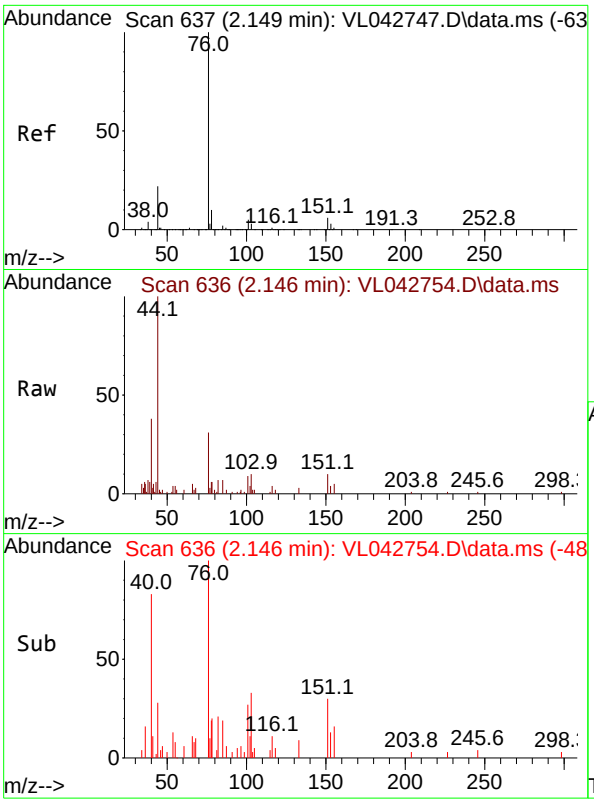


#26
Hexane
Concen: 0.097 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 57 Resp: 1982

Ion	Ratio	Lower	Upper
57	100		
41	149.4	75.4	113.2#
43	252.9	185.0	277.6
56	62.6	42.9	64.3



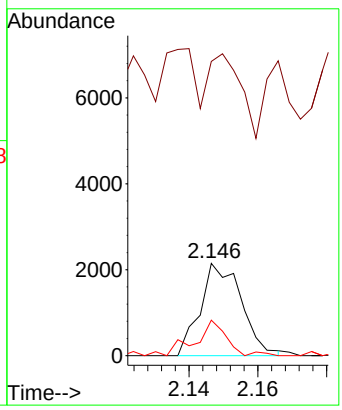


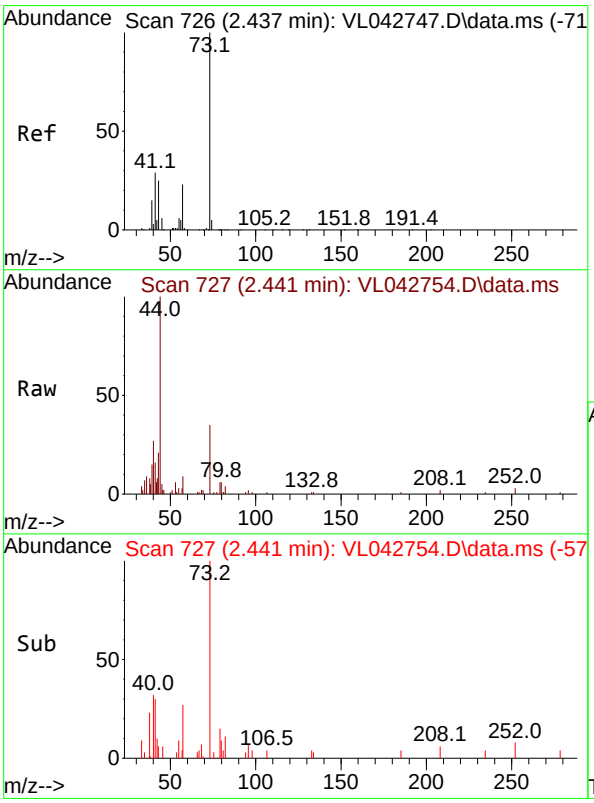
#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 1789

Ion	Ratio	Lower	Upper
76	100		
44	606.9	19.3	28.9#
78	30.9	9.9	14.9#

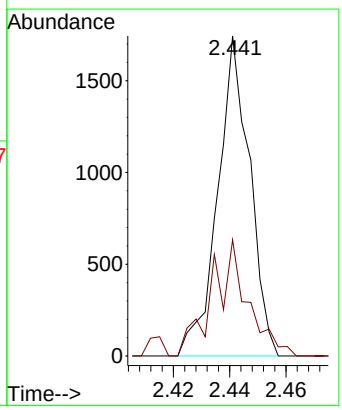


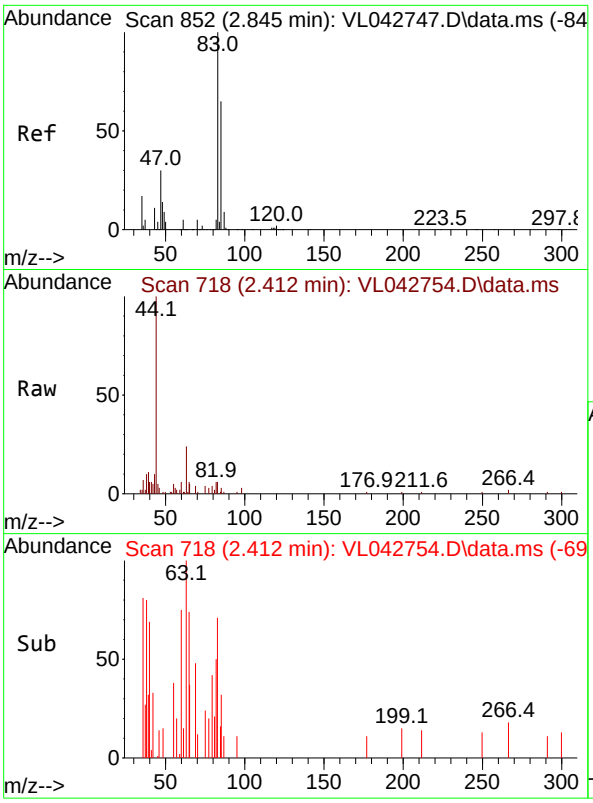


#28
Methyl tert-Butyl Ether
Concen: 0.143 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 73 Resp: 1378

Ion	Ratio	Lower	Upper
73	100		
57	44.8	19.8	29.8#



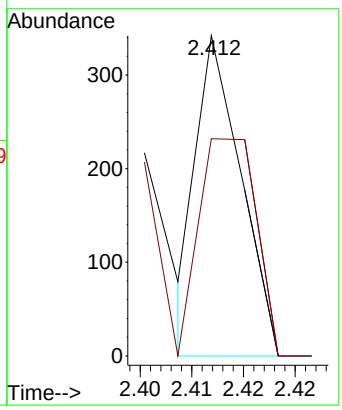


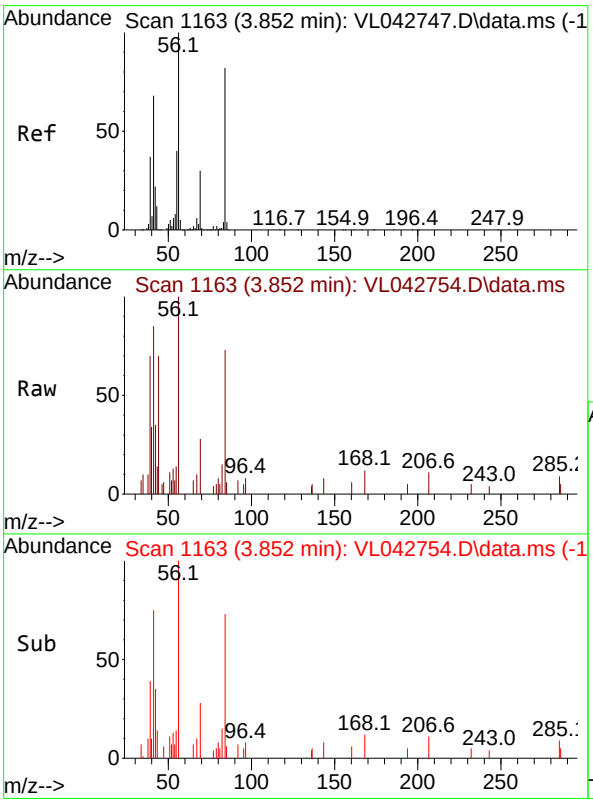
#29
Chloroform
Concen: 0.003 ppbv
RT: 2.412 min Scan# 7
Delta R.T. -0.433 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 101

Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.2	78.2

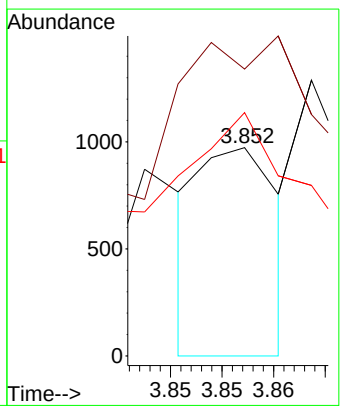


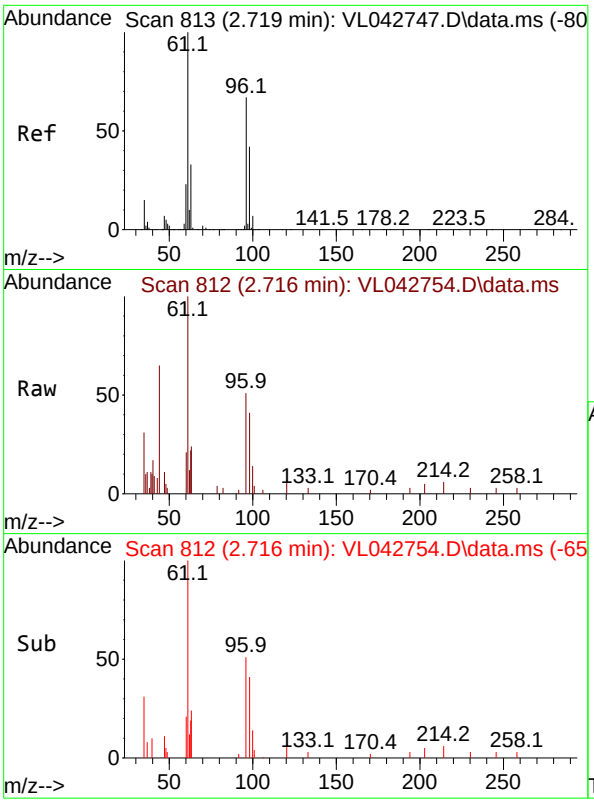


#30
Cyclohexane
Concen: 0.030 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 84 Resp: 516

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	369.4	67.2	100.8#



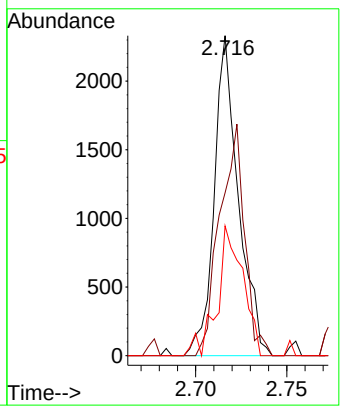


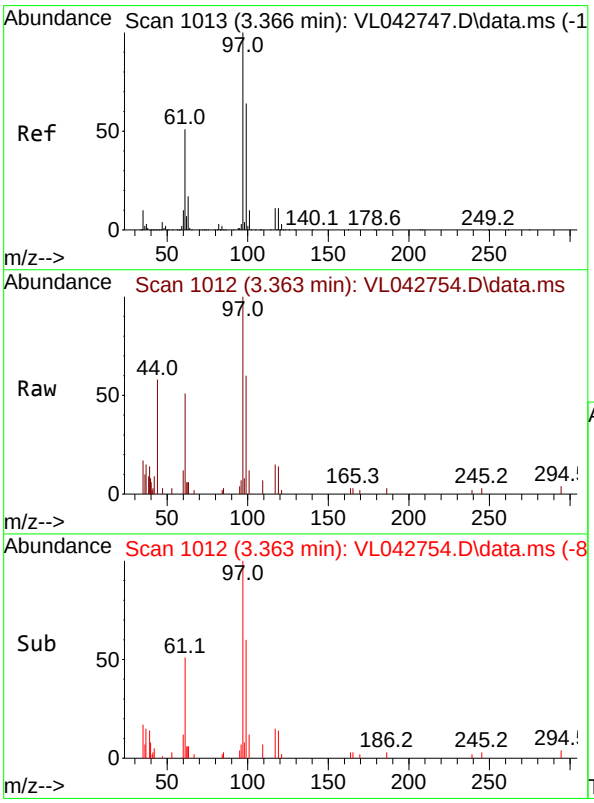
#31
cis-1,2-Dichloroethene
Concen: 0.103 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 2152

Ion	Ratio	Lower	Upper
61	100		
96	50.9	53.5	80.3#
98	40.5	33.6	50.4

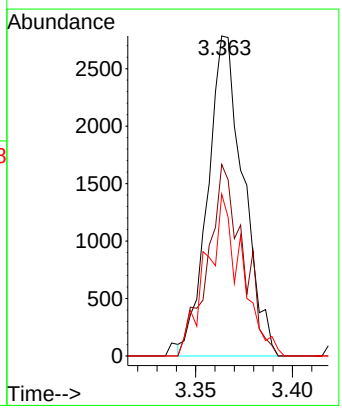


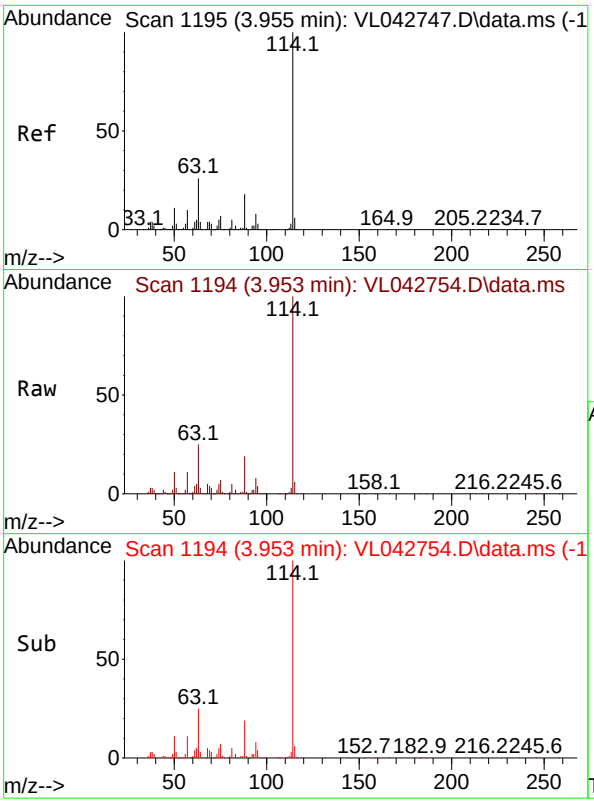


#32
1,1,1-Trichloroethane
Concen: 0.108 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 97 Resp: 3550

Ion	Ratio	Lower	Upper
97	100		
99	59.4	51.0	76.6
61	50.4	40.9	61.3



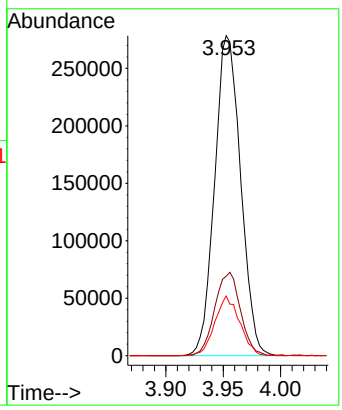


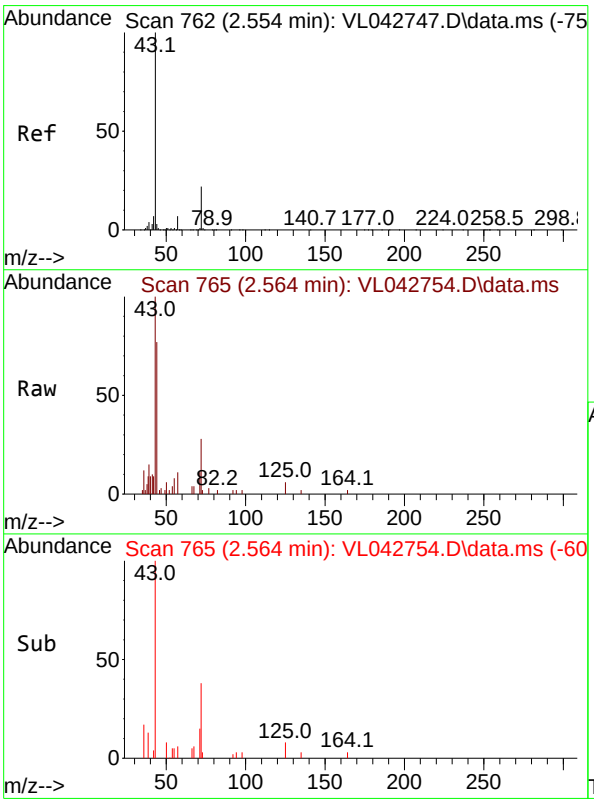
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 438604

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.8	14.0	21.0

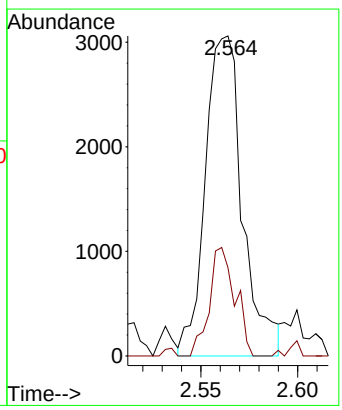


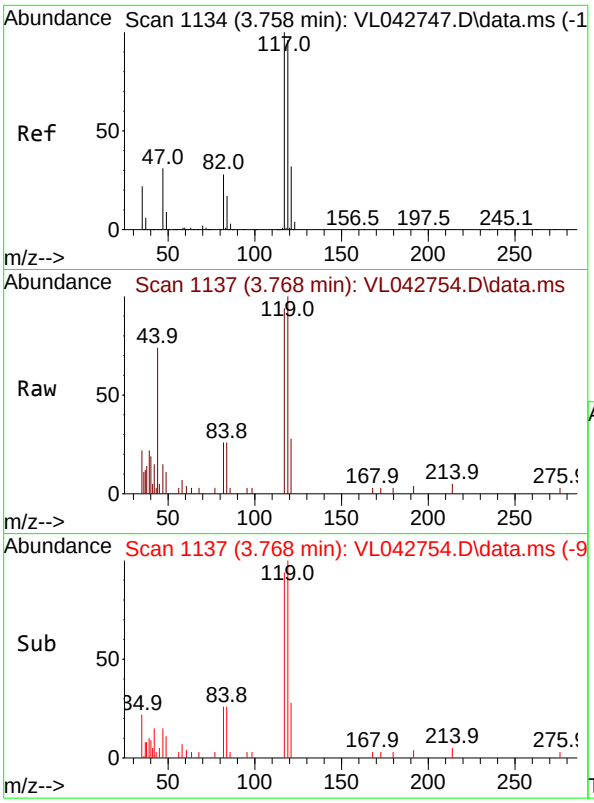


#34
2-Butanone
Concen: 0.132 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 4086

Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.4	26.0



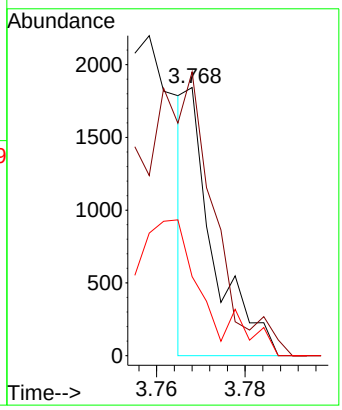


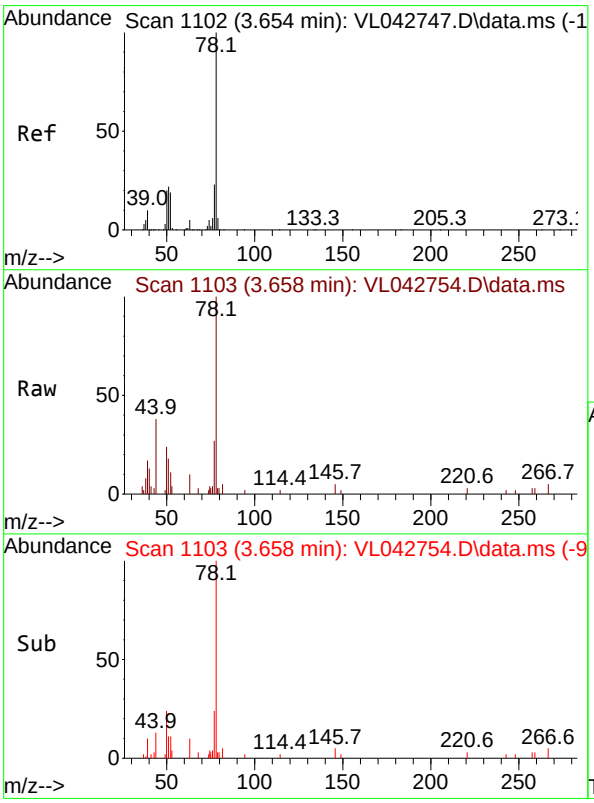
#35
Carbon Tetrachloride
Concen: 0.024 ppbv
RT: 3.768 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 796

Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.1	115.7
121	29.5	25.5	38.3

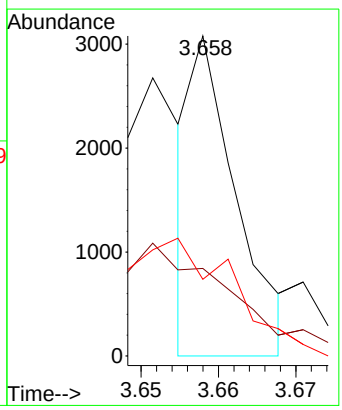


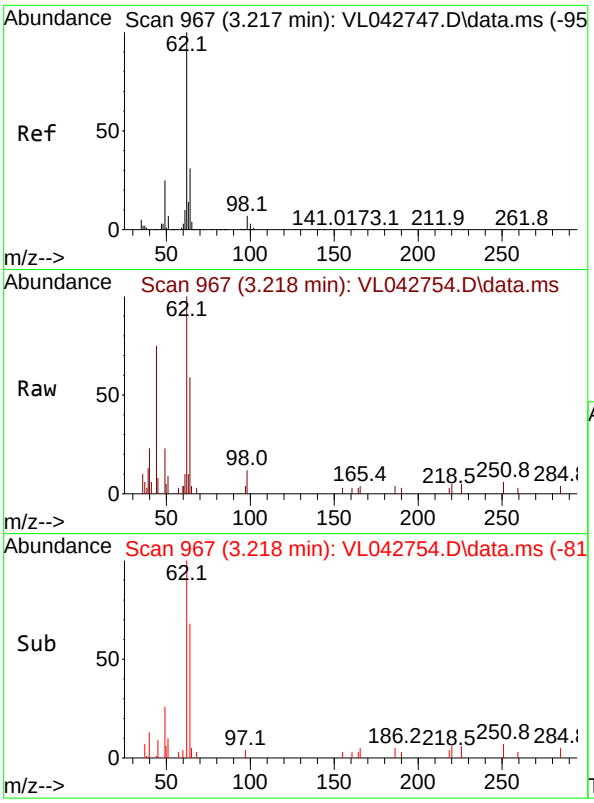


#36
Benzene
Concen: 0.030 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 78 Resp: 1246

Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.5	27.7
50	19.1	16.2	24.2



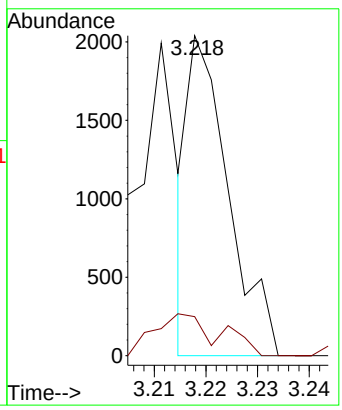


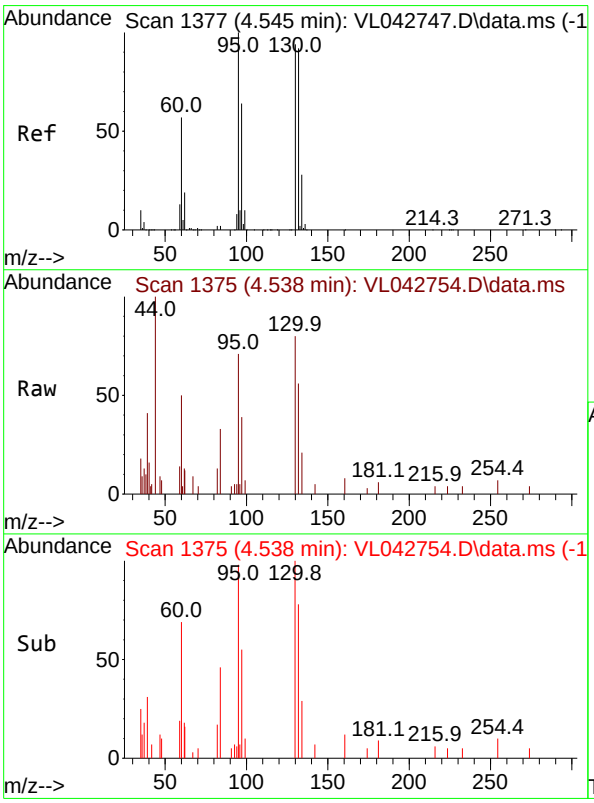
#37
1,2-Dichloroethane
Concen: 0.044 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1114

Ion	Ratio	Lower	Upper
62	100		
98	21.1	5.2	7.8#

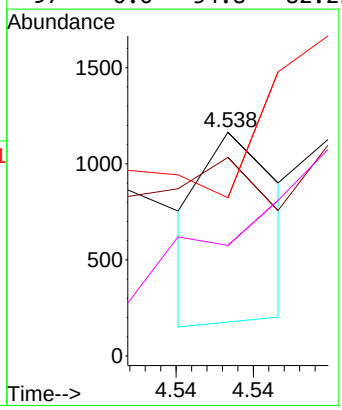


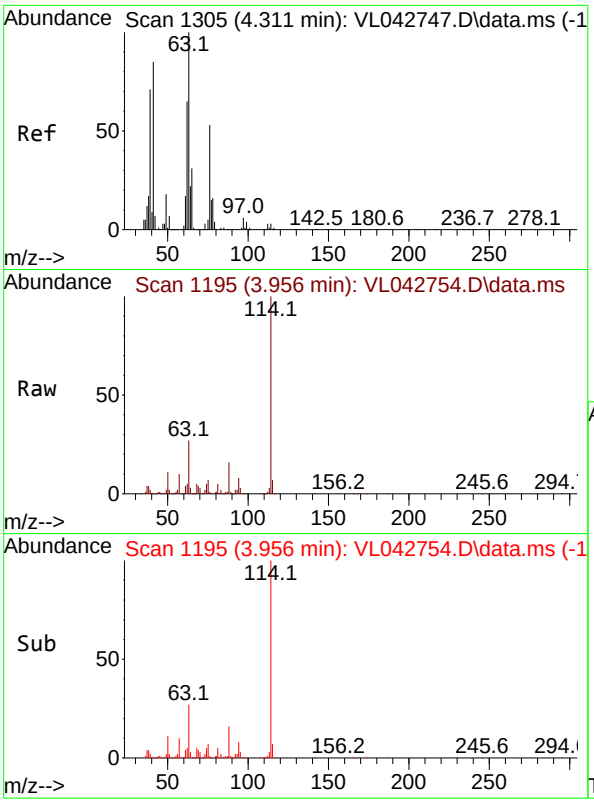


#38
Trichloroethene
Concen: 0.017 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:130 Resp: 333

Ion	Ratio	Lower	Upper
130	100		
95	67.3	85.4	128.2#
132	0.0	78.2	117.2#
97	0.0	54.8	82.2#



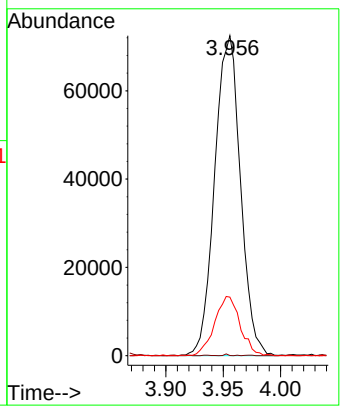


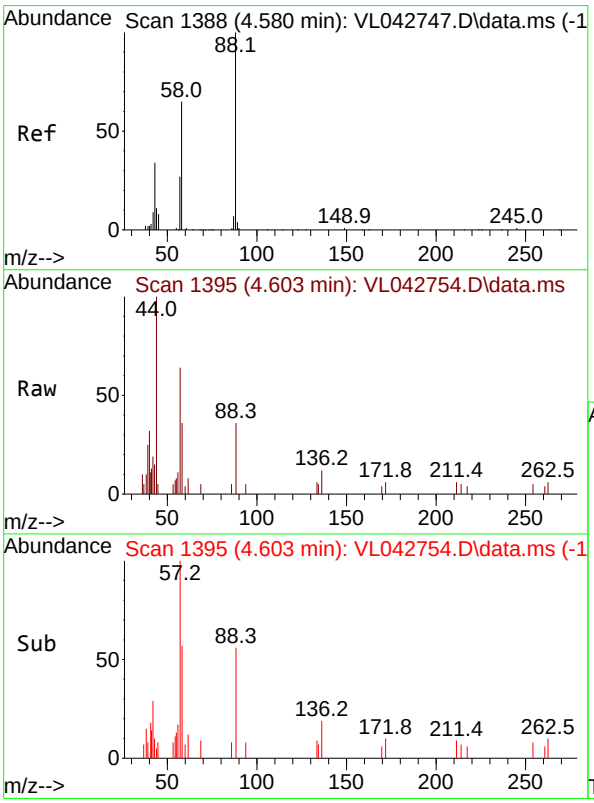
#39
1,2-Dichloropropane
Concen: 7.376 ppbv
RT: 3.956 min Scan# 1
Delta R.T. -0.356 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 113176

Ion	Ratio	Lower	Upper
63	100		
41	0.1	68.2	102.4#
62	18.3	52.0	78.0#

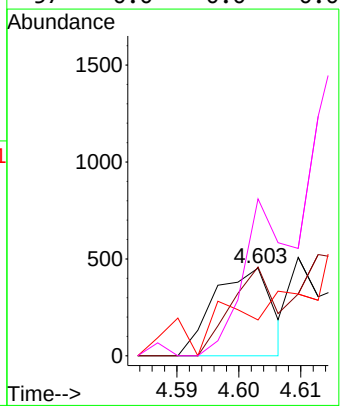


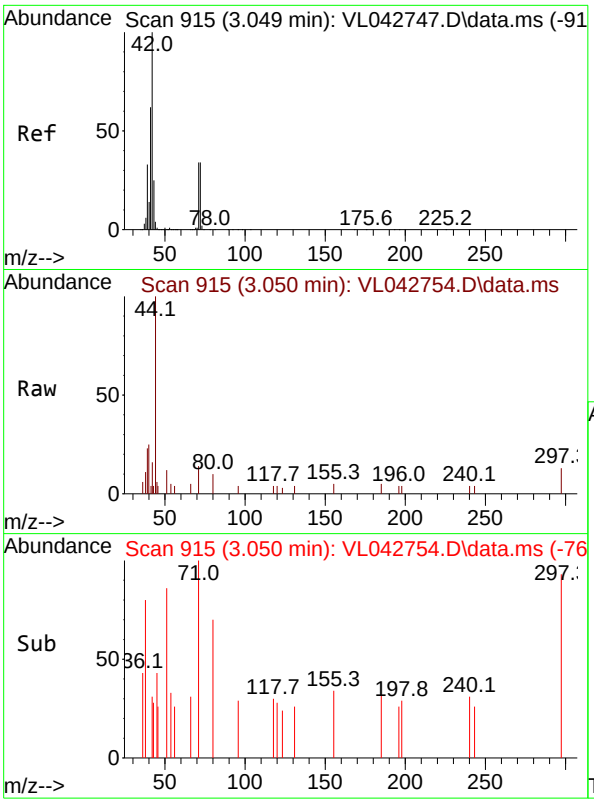


#40
1,4-Dioxane
Concen: 0.041 ppbv
RT: 4.603 min Scan# 1395
Delta R.T. 0.023 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 88 Resp: 294

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.8	88.2#
43	31.0	28.9	43.3
57	0.0	0.0	0.0



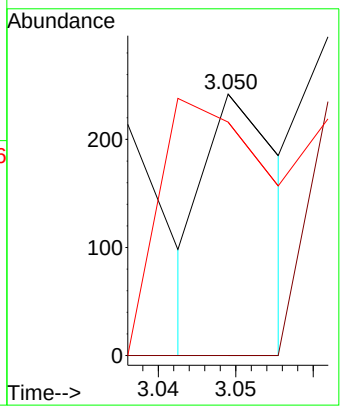


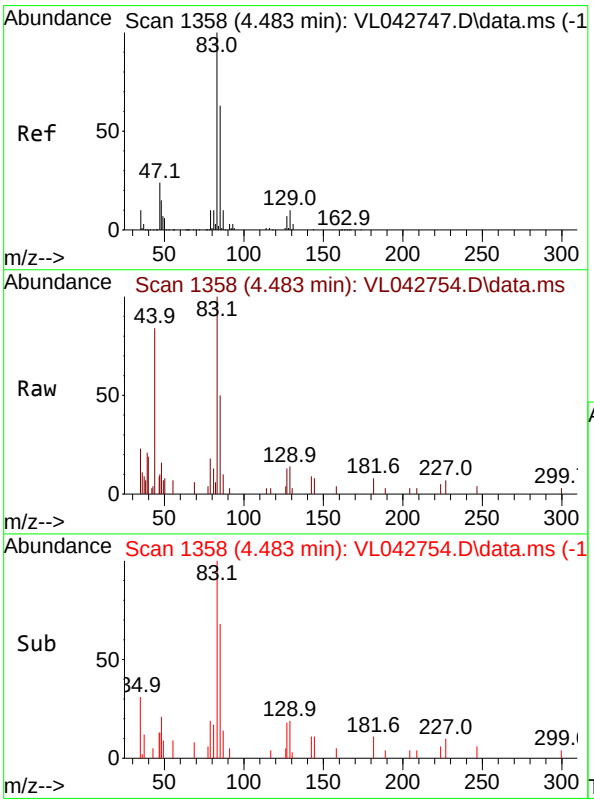
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.050 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 42 Resp: 83

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.6	43.0#

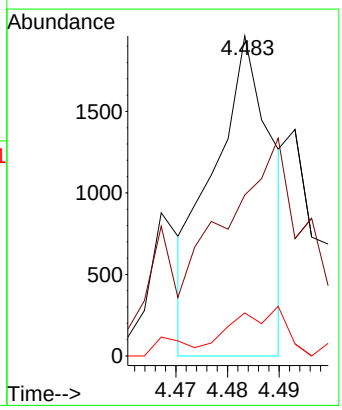


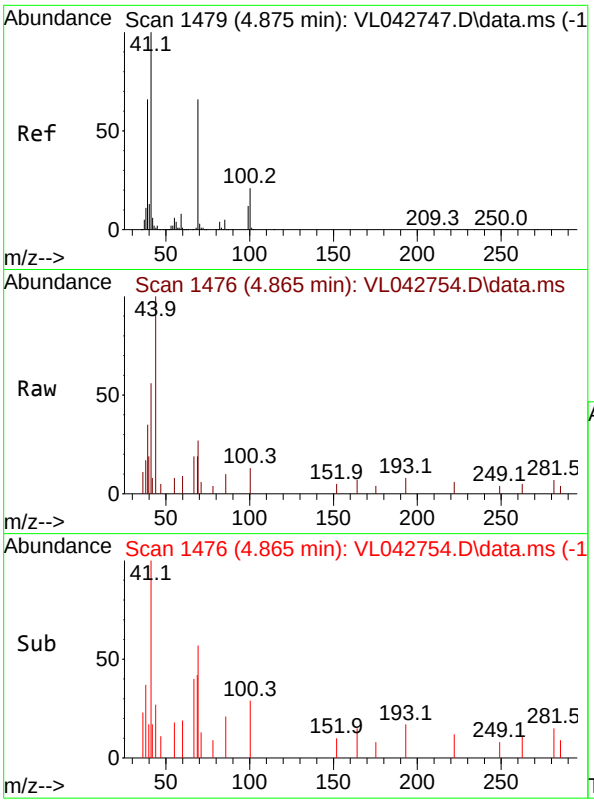


#42
Bromodichloromethane
Concen: 0.048 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 83 Resp: 1563

Ion	Ratio	Lower	Upper
83	100		
85	51.2	50.2	75.4
127	14.0	5.4	8.2#



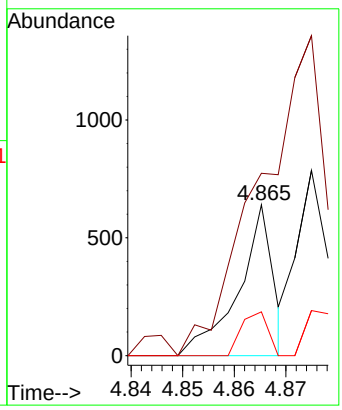


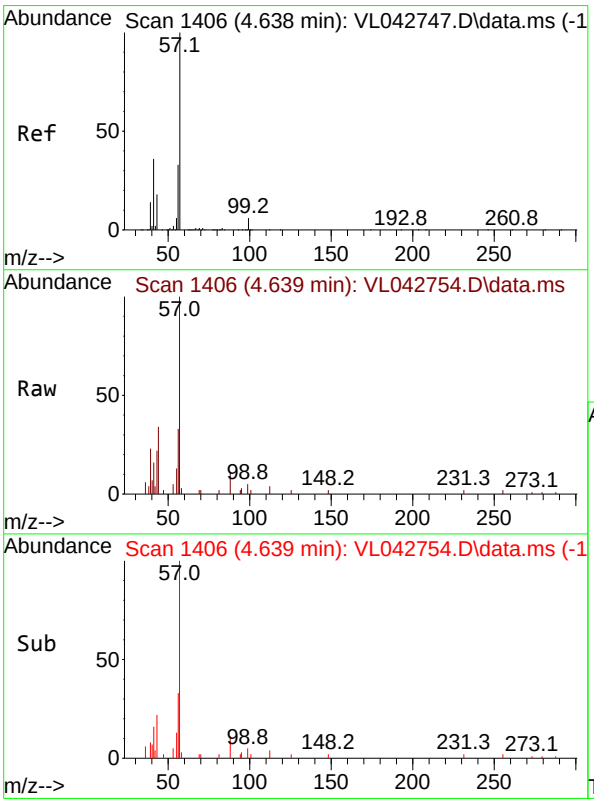
#43
Methyl Methacrylate
Concen: 0.020 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.009 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 298

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#

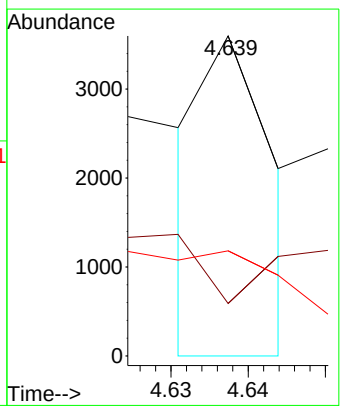


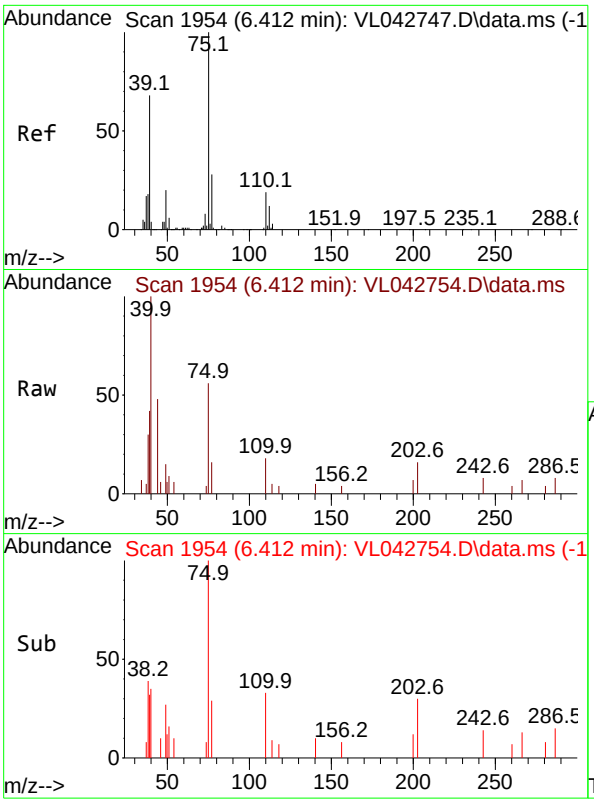


#44
2,2,4-Trimethylpentane
Concen: 0.016 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 57 Resp: 1109

Ion	Ratio	Lower	Upper
57	100		
41	271.4	28.3	42.5#
56	0.0	25.8	38.6#



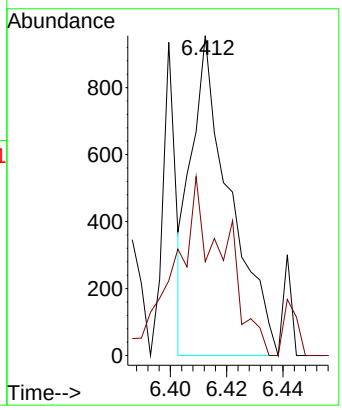


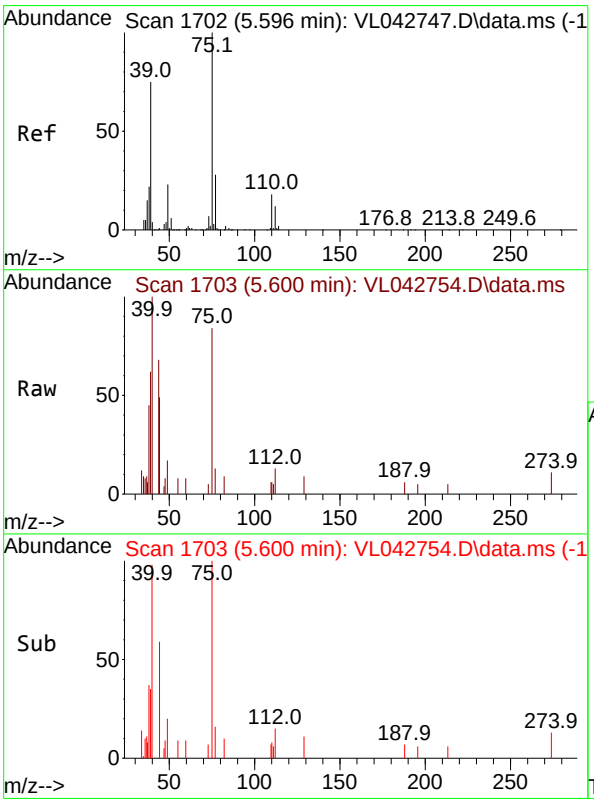
#45
t-1,3-Dichloropropene
Concen: 0.055 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 912

Ion	Ratio	Lower	Upper
75	100		
77	29.3	22.4	33.6

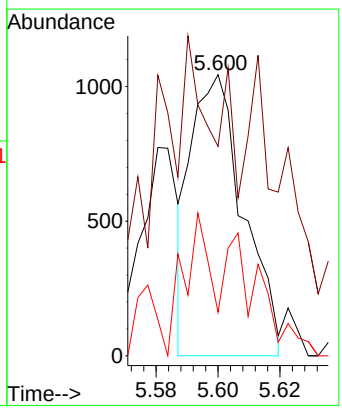


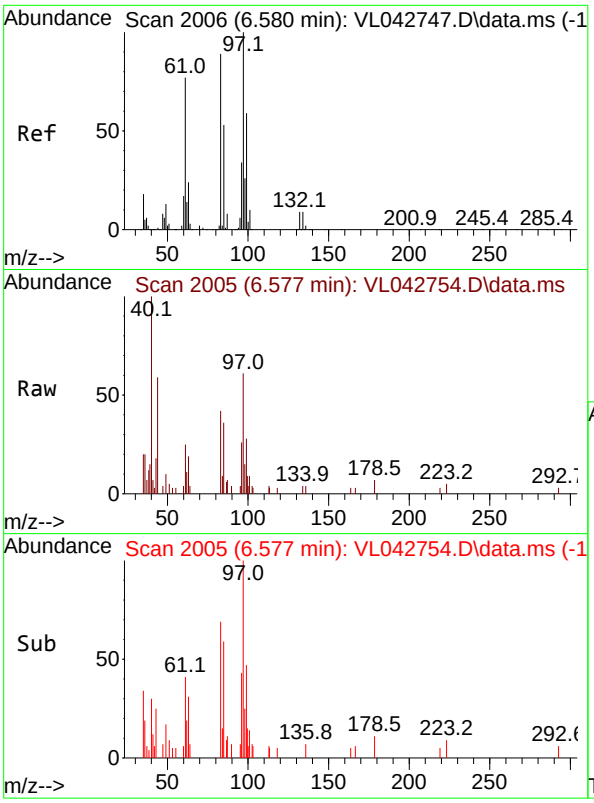


#46
cis-1,3-Dichloropropene
Concen: 0.059 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 75 Resp: 1232

Ion	Ratio	Lower	Upper
75	100		
39	17.5	60.2	90.2#
77	11.5	22.6	34.0#



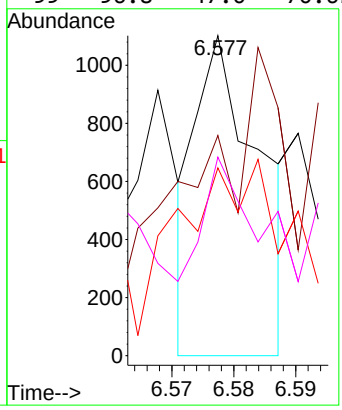


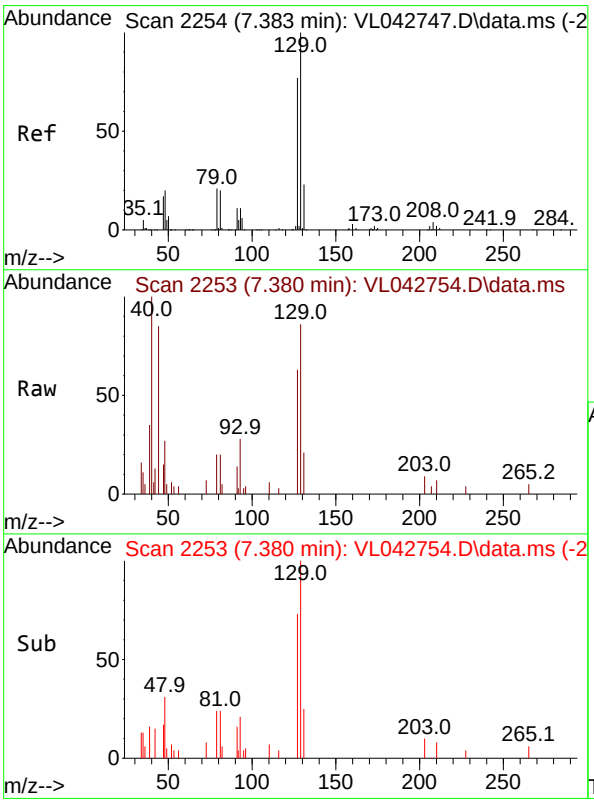
#47
1,1,2-Trichloroethane
Concen: 0.048 ppbv
RT: 6.577 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 787

Ion	Ratio	Lower	Upper
97	100		
83	35.7	71.1	106.7#
85	67.0	43.0	64.4#
99	96.8	47.0	70.6#

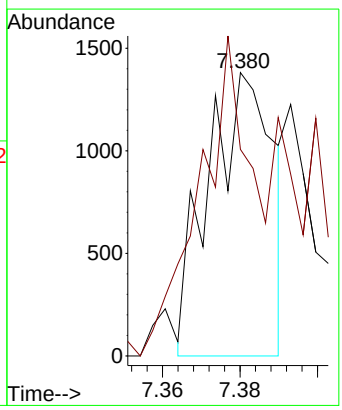


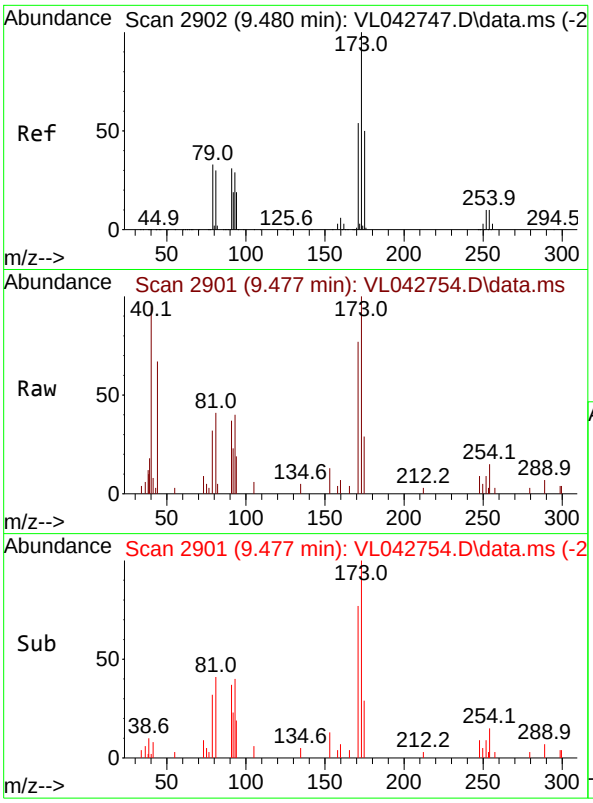


#48
Dibromochloromethane
Concen: 0.061 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:129 Resp: 1591

Ion	Ratio	Lower	Upper
129	100		
127	145.4	38.7	116.1#



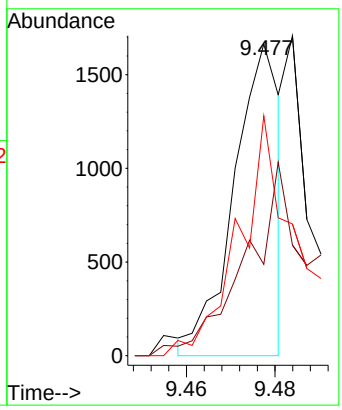


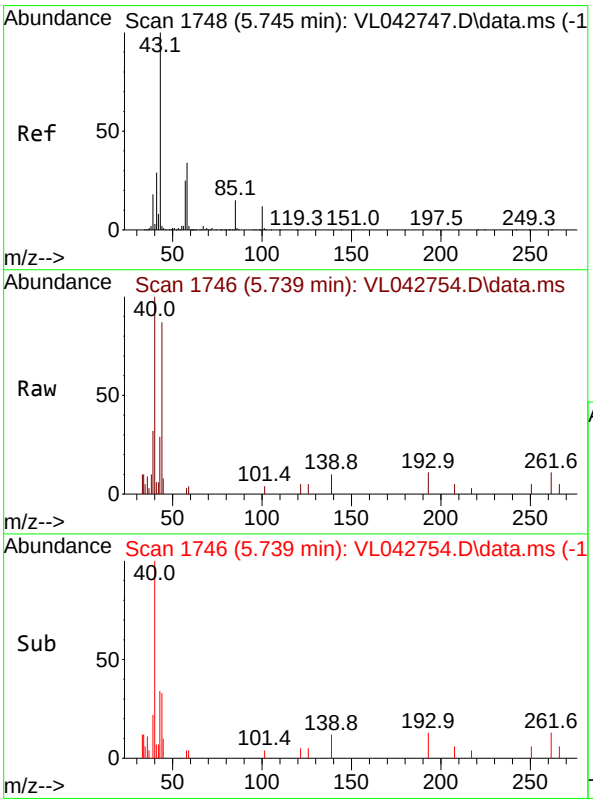
#49
Bromoform
Concen: 0.053 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1201

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.4	57.6#
171	100.8	40.9	61.3#

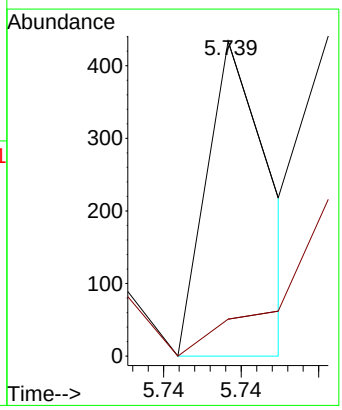


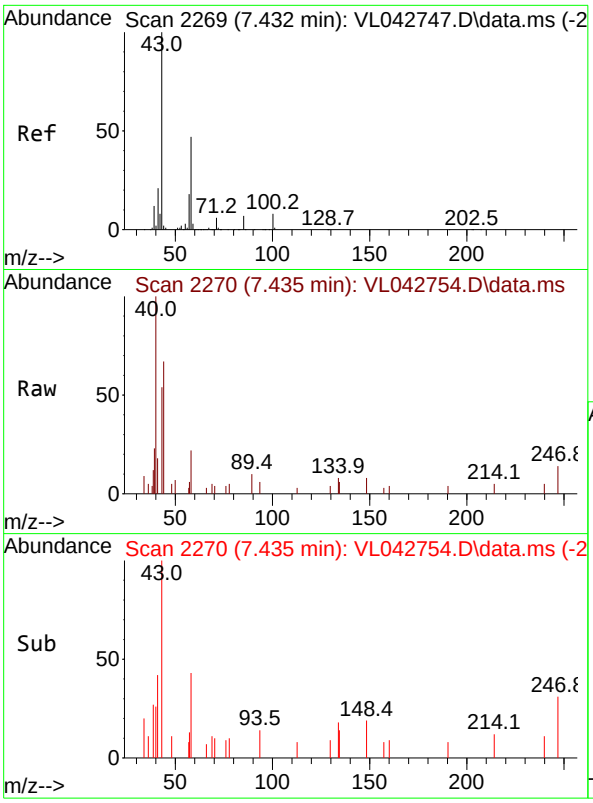


#50
4-Methyl-2-Pentanone
Concen: 0.003 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 43 Resp: 126

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



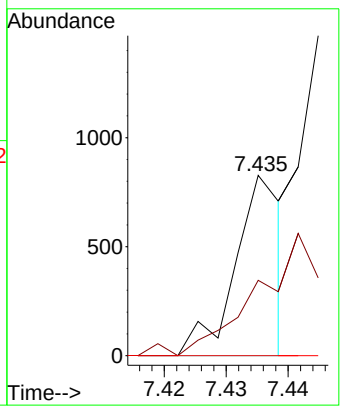


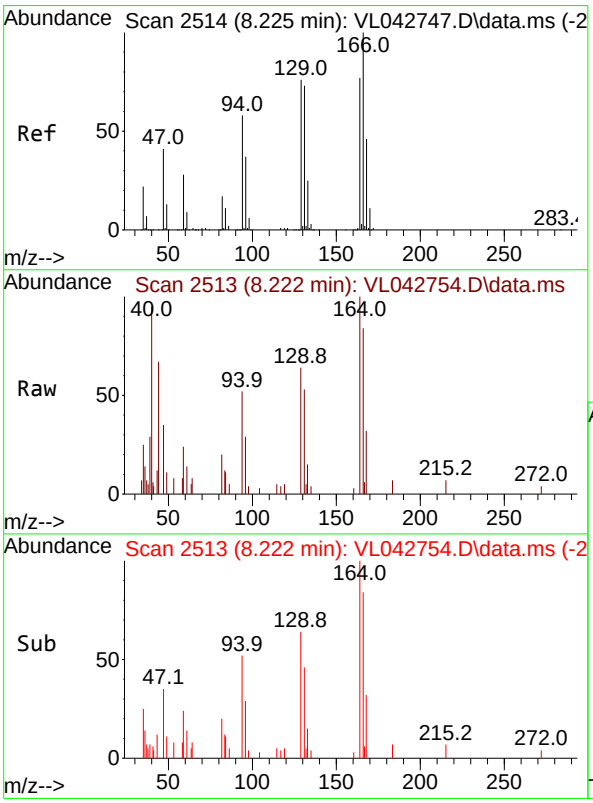
#51
2-Hexanone
Concen: 0.014 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 436

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.2	0.4#

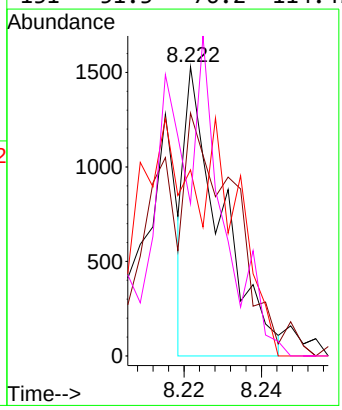


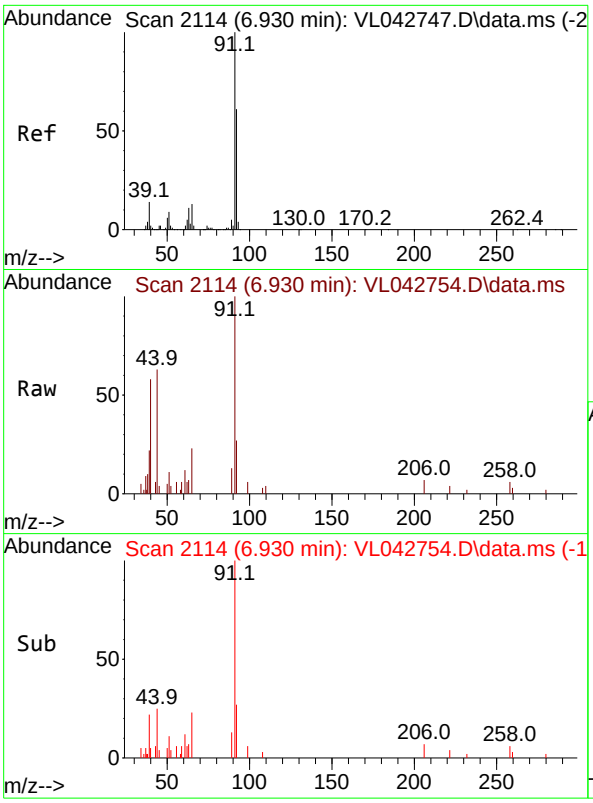


#52
Tetrachloroethene
Concen: 0.057 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:164 Resp: 981

Ion	Ratio	Lower	Upper
164	100		
166	85.9	104.0	156.0#
129	69.2	79.2	118.8#
131	51.3	76.2	114.4#



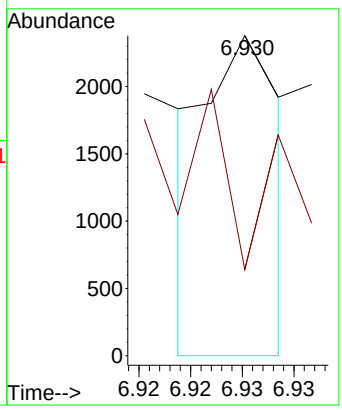


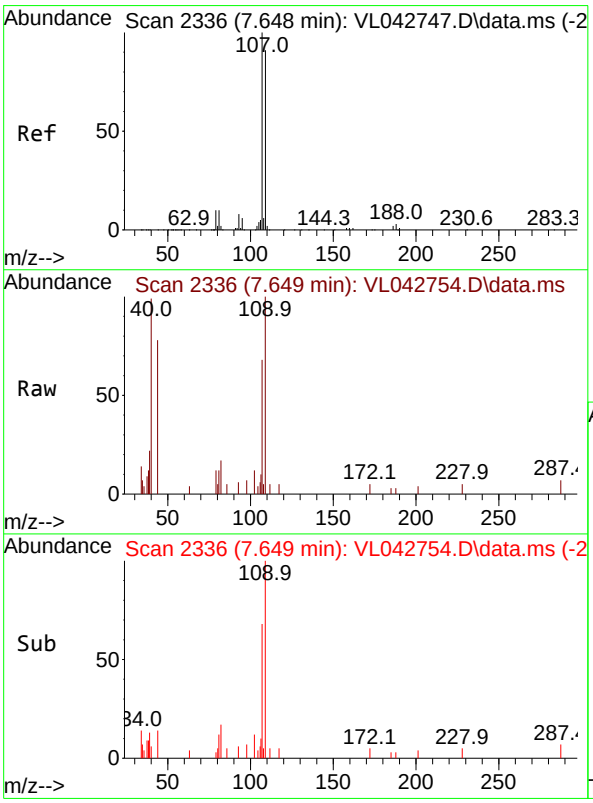
#53
Toluene
Concen: 0.027 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 1198

Ion	Ratio	Lower	Upper
91	100		
92	229.3	48.0	72.0#

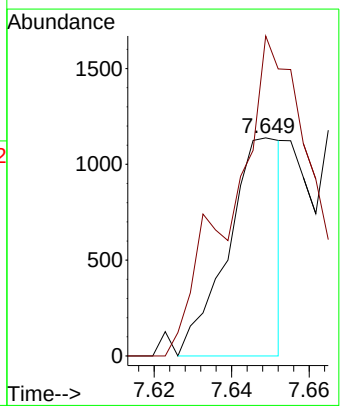


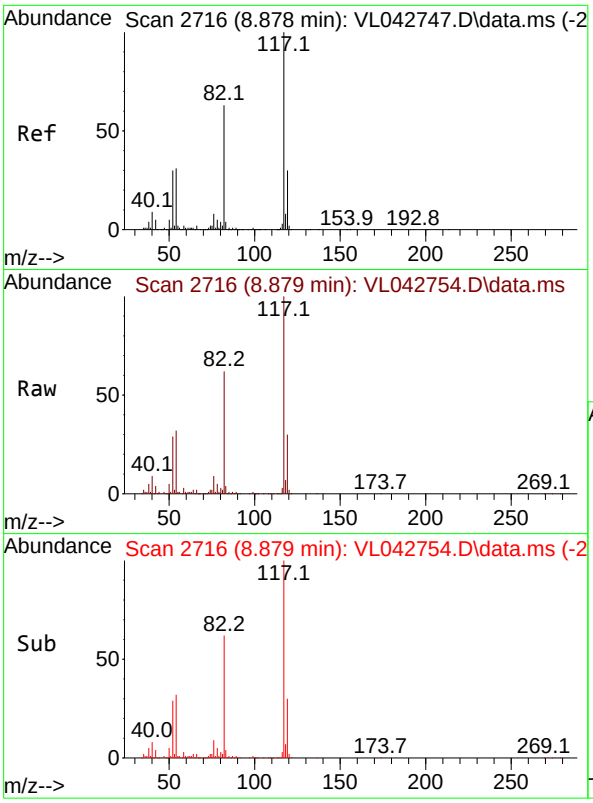


#54
1,2-Dibromoethane
Concen: 0.047 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:107 Resp: 1080

Ion	Ratio	Lower	Upper
107	100		
109	136.0	72.7	109.1#



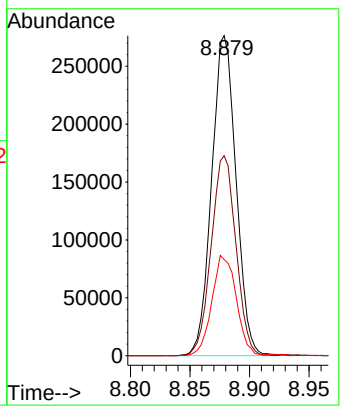


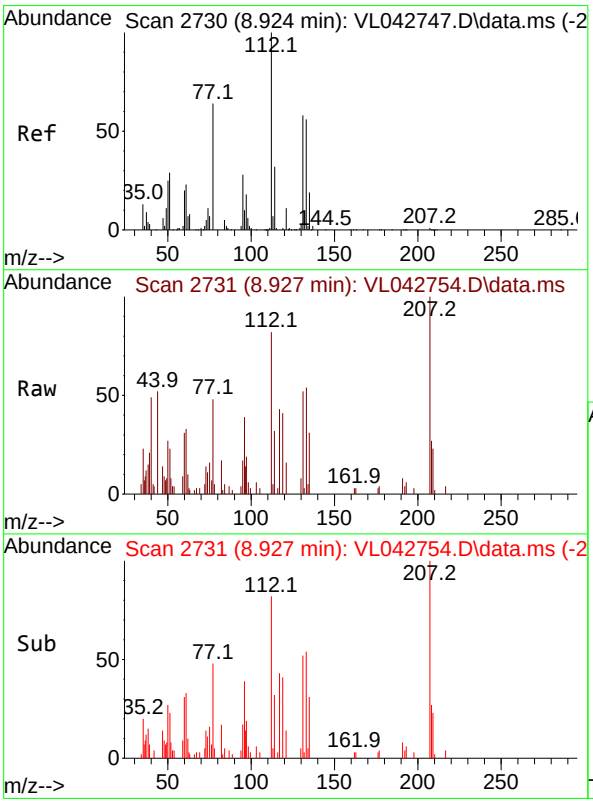
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 393042

Ion	Ratio	Lower	Upper
117	100		
82	63.6	53.3	79.9
119	31.7	25.8	38.6

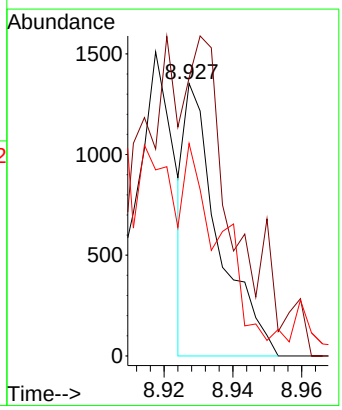


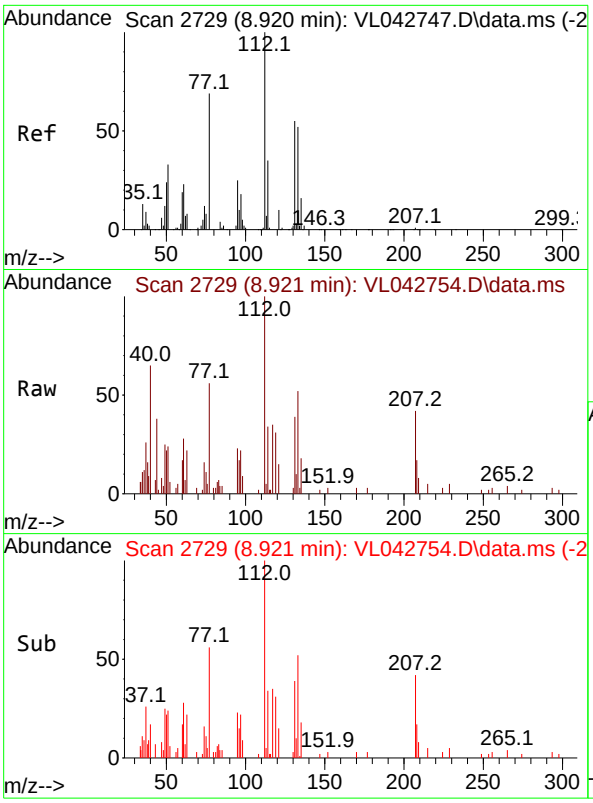


#56
1,1,1,2-Tetrachloroethane
Concen: 0.045 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:131 Resp: 922

Ion	Ratio	Lower	Upper
131	100		
133	315.4	76.8	115.2#
119	0.0	49.7	74.5#



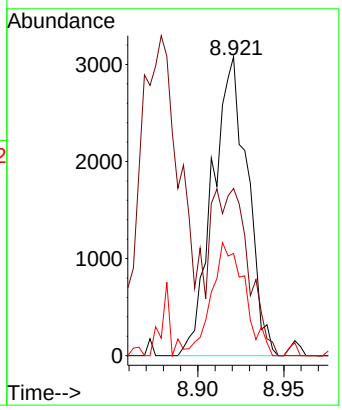


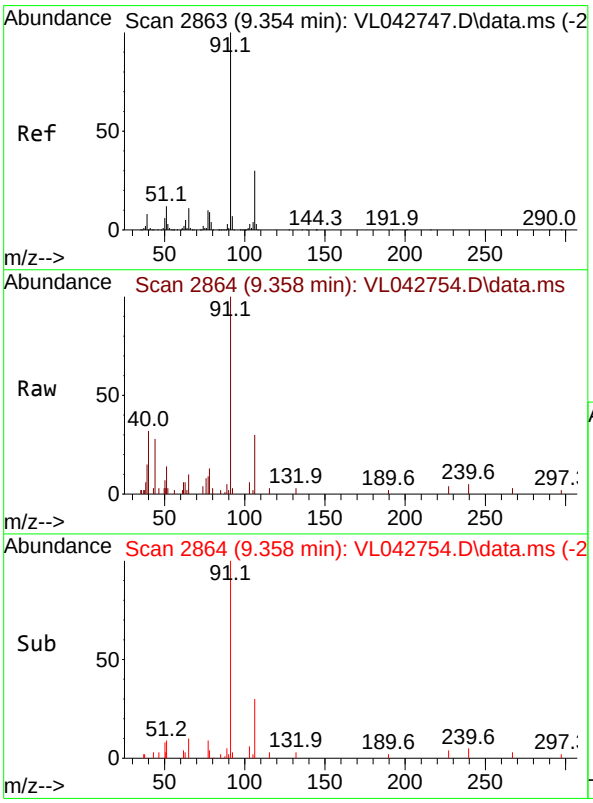
#57
Chlorobenzene
Concen: 0.114 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 4337

Ion	Ratio	Lower	Upper
112	100		
77	55.9	56.4	84.6#
114	34.2	31.2	38.2

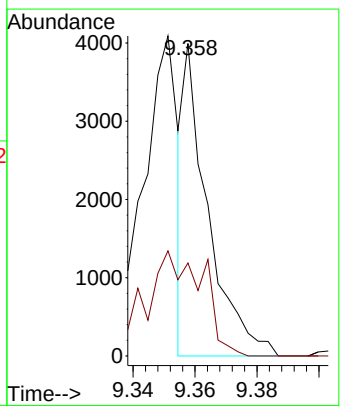


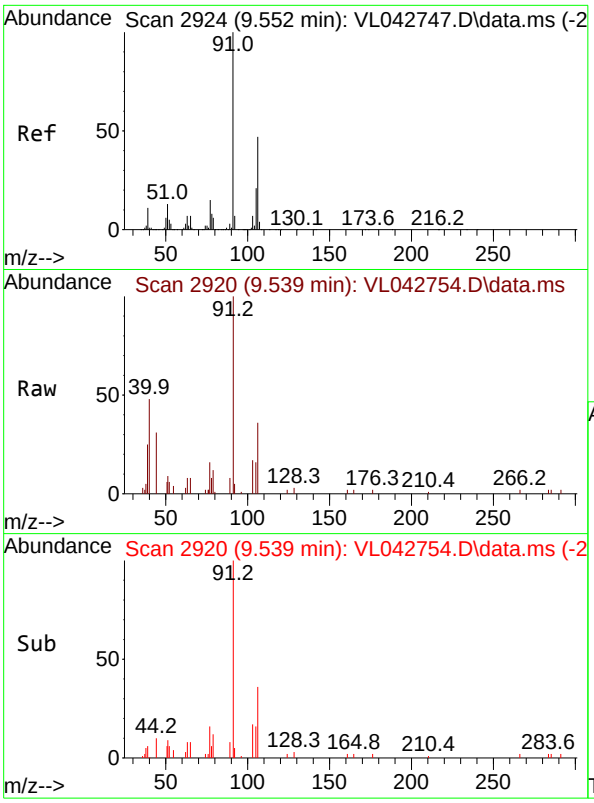


#58
Ethyl Benzene
Concen: 0.035 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 2183

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6



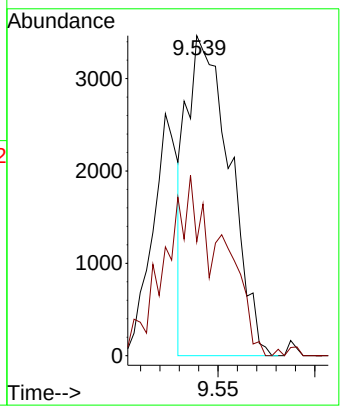


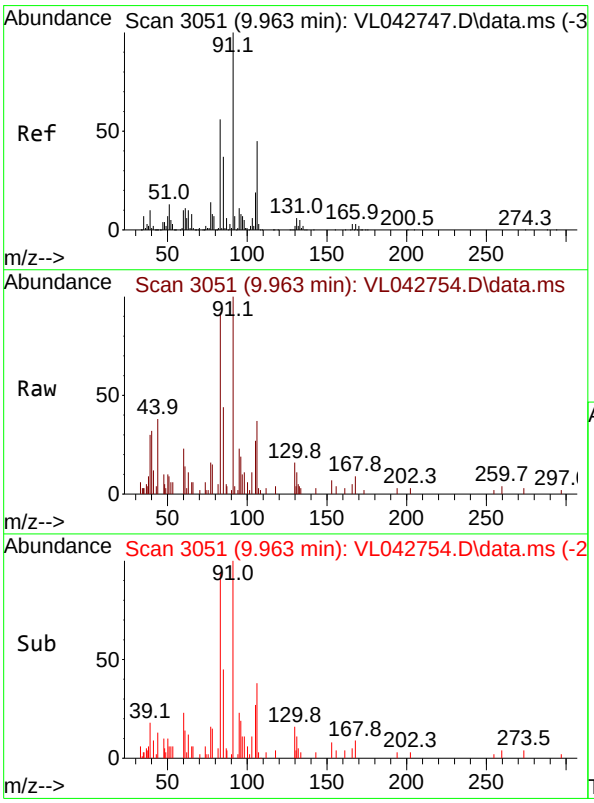
#59
m/p-Xylene
Concen: 0.109 ppbv
RT: 9.539 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 5405

Ion	Ratio	Lower	Upper
91	100		
106	73.2	37.4	56.2#

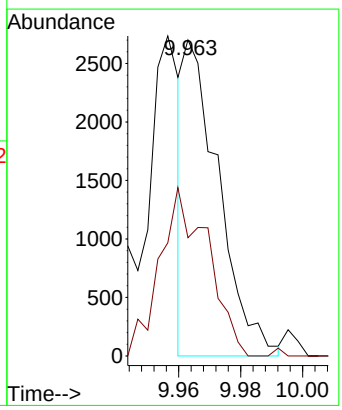


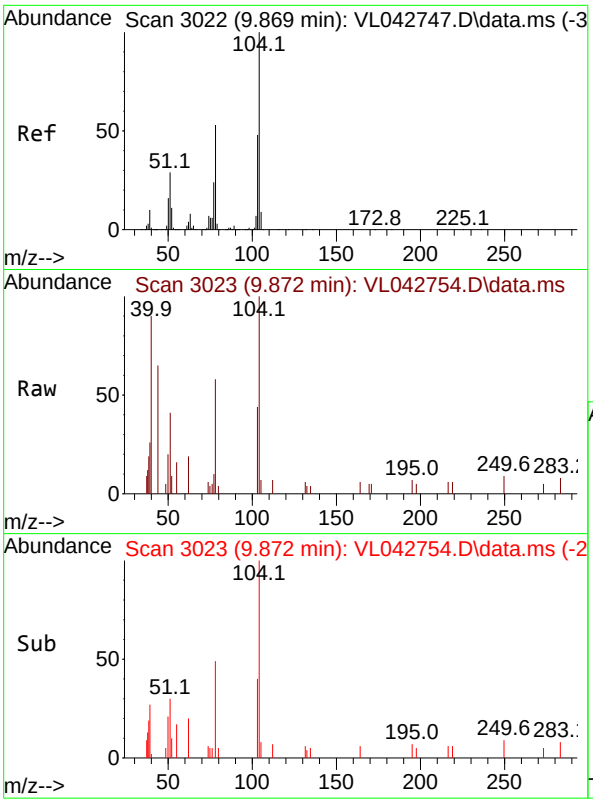


#60
o-Xylene
Concen: 0.042 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 2101

Ion	Ratio	Lower	Upper
91	100		
106	74.2	22.0	66.0#



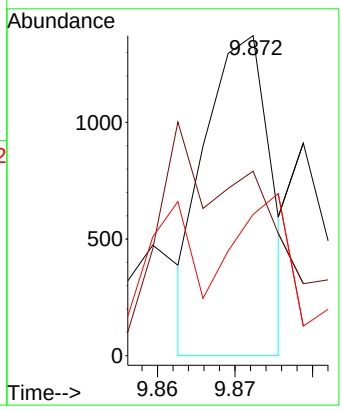


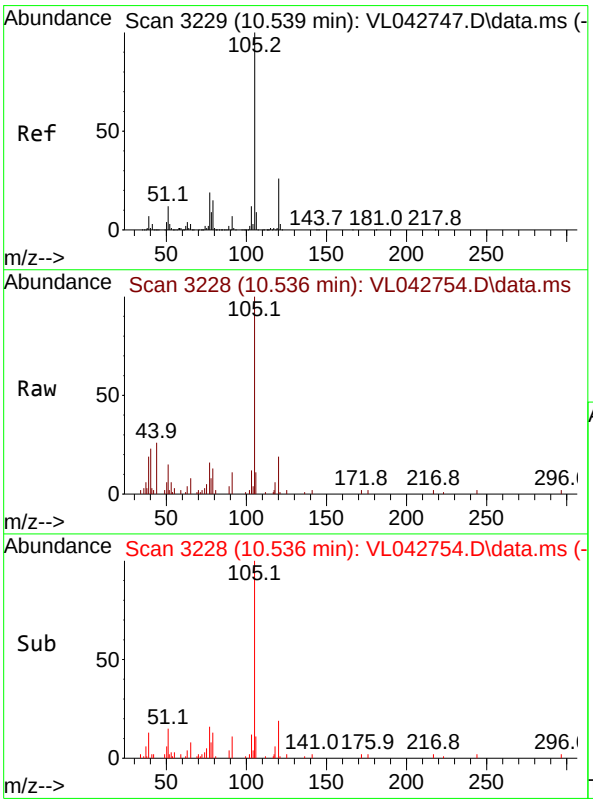
#61
Styrene
Concen: 0.039 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 807

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.5	62.3#
103	91.7	37.5	56.3#

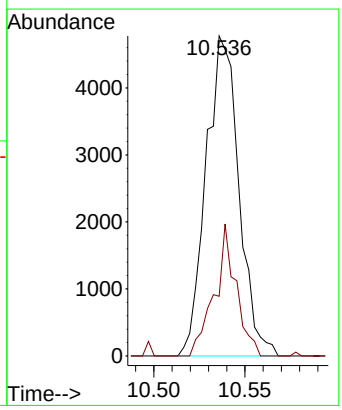


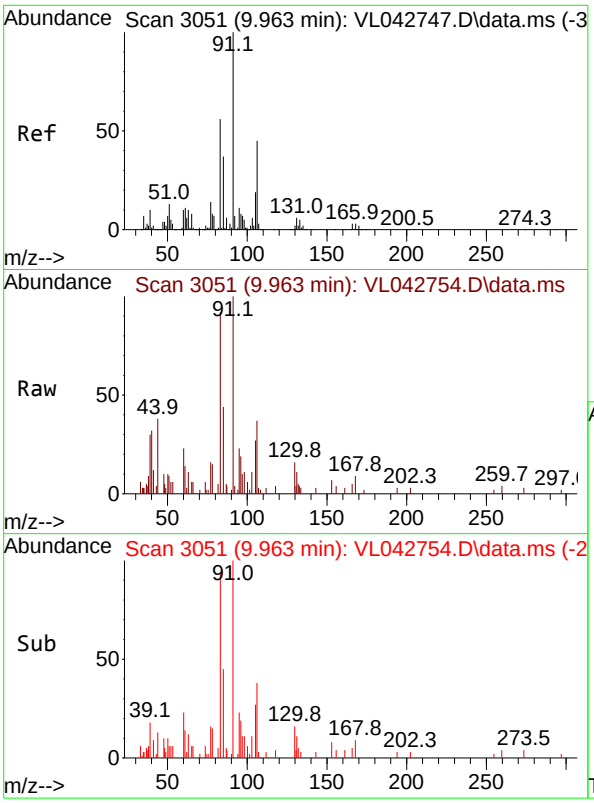


#62
Isopropylbenzene
Concen: 0.082 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 5985

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.5	30.7



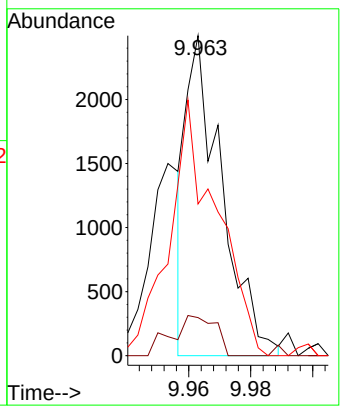


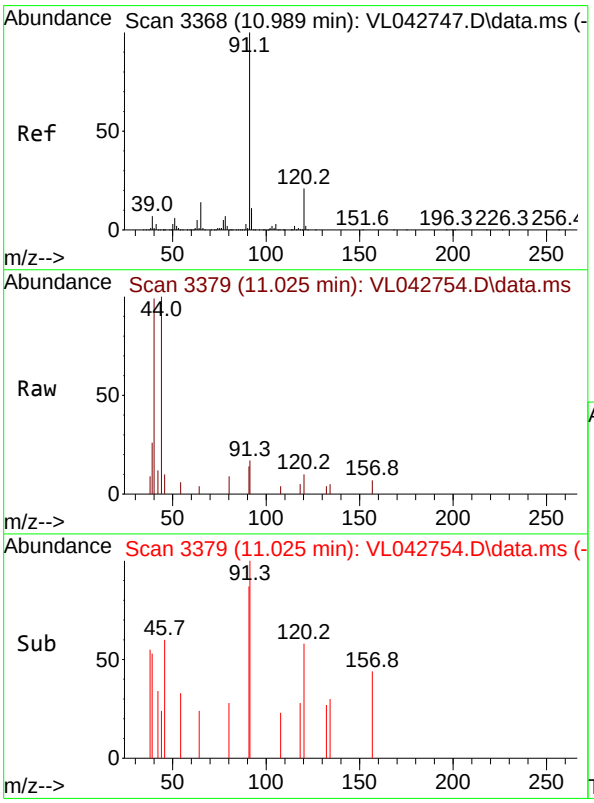
#63
1,1,2,2-Tetrachloroethane
Concen: 0.062 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 1989

Ion	Ratio	Lower	Upper
83	100		
131	16.8	5.0	15.0#
85	109.7	32.6	97.7#

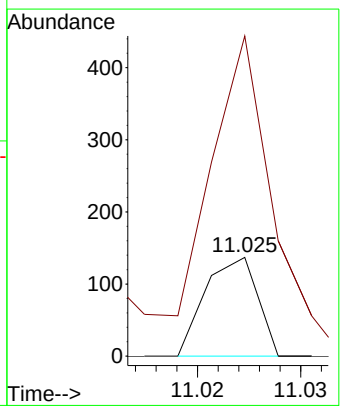


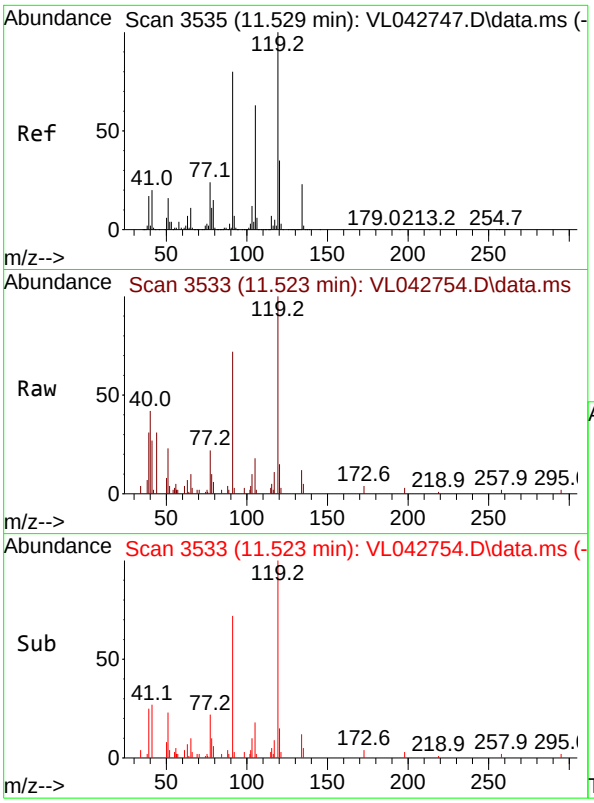


#64
n-propylbenzene
Concen: 0.003 ppbv
RT: 11.025 min Scan# 3379
Delta R.T. 0.036 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:120 Resp: 48

Ion	Ratio	Lower	Upper
120	100		
91	397.9	372.7	559.1



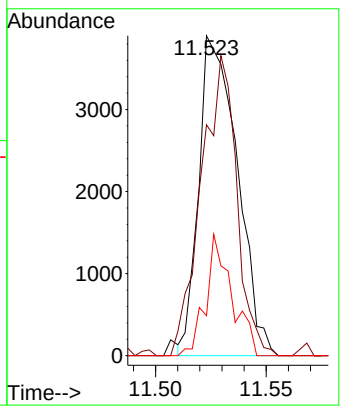


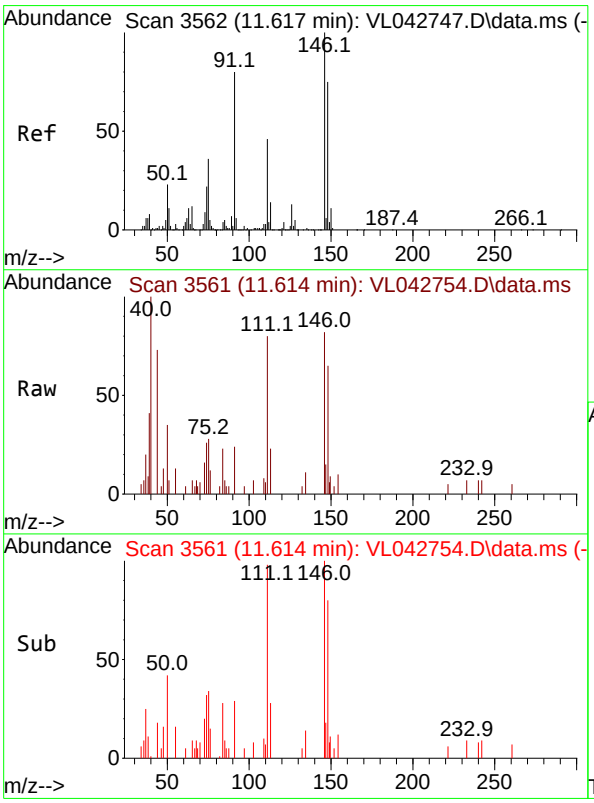
#65
tert-Butylbenzene
Concen: 0.072 ppbv
RT: 11.523 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 4707

Ion	Ratio	Lower	Upper
119	100		
91	88.0	64.0	96.0
134	25.6	17.3	25.9

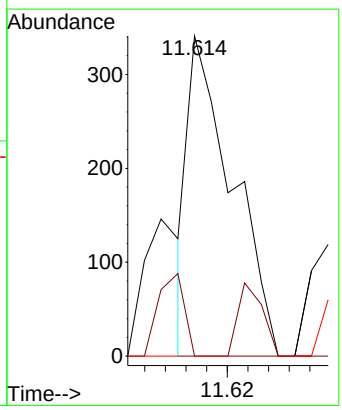


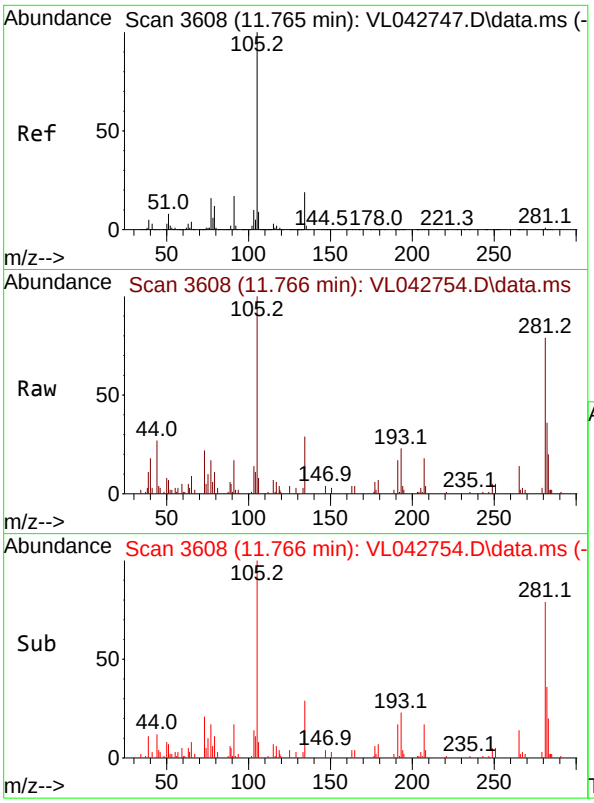


#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 204

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.4	21.6#
128	0.0	5.2	7.8#



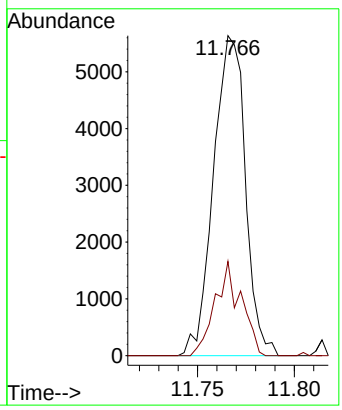


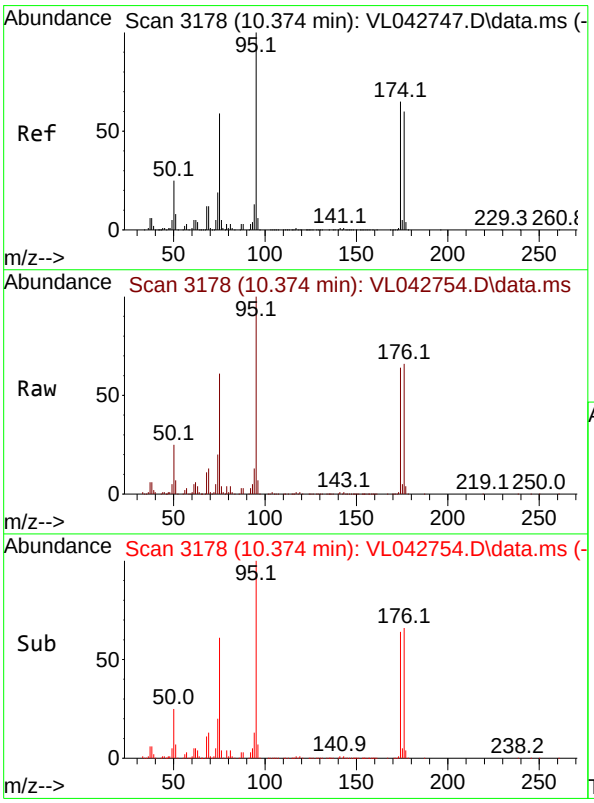
#67
sec-Butylbenzene
Concen: 0.070 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 6449

Ion	Ratio	Lower	Upper
105	100		
134	24.1	15.5	23.3#

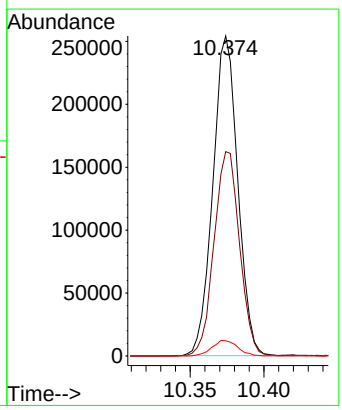


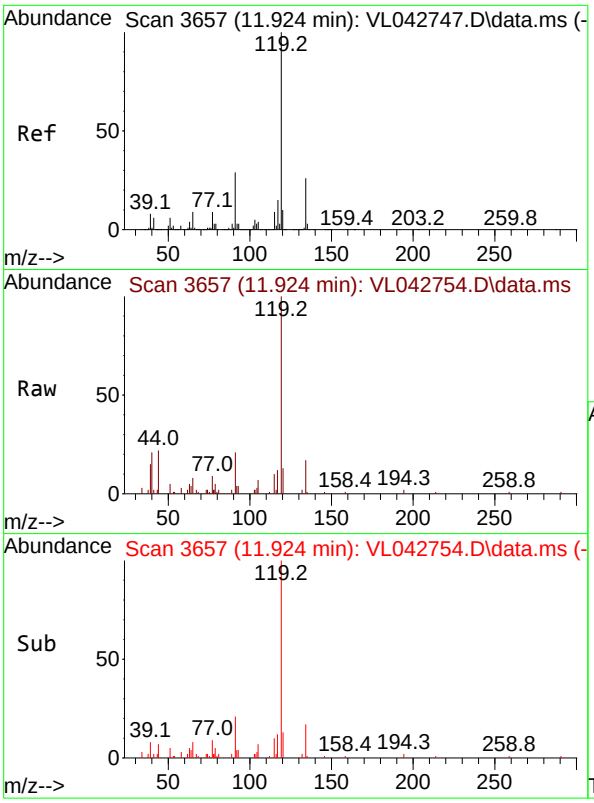


#68
1-Bromo-4-Fluorobenzene
Concen: 9.583 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 95 Resp: 298283

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.0	4.0	6.0



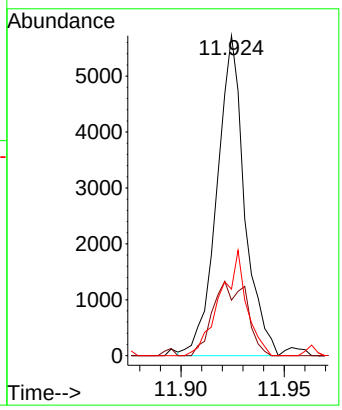


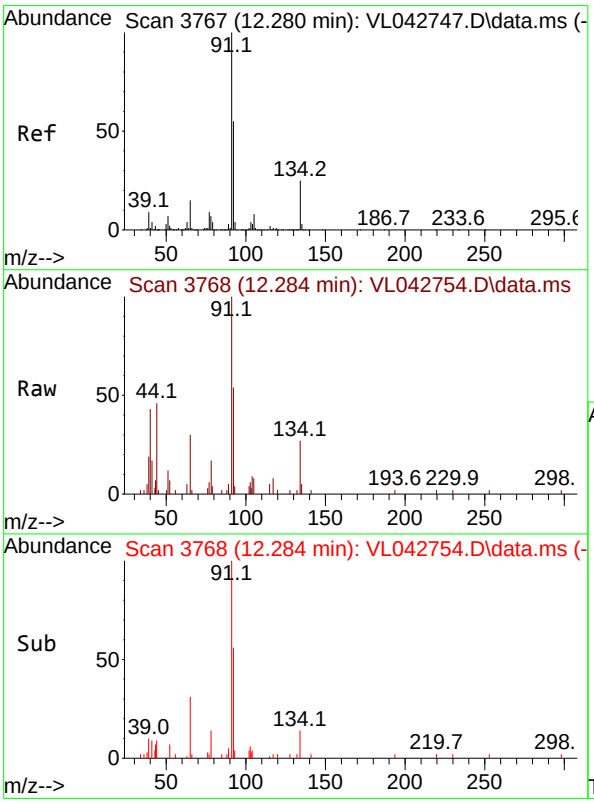
#69
p-Isopropyltoluene
Concen: 0.071 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 5342

Ion	Ratio	Lower	Upper
119	100		
134	29.1	20.6	31.0
91	32.5	23.2	34.8

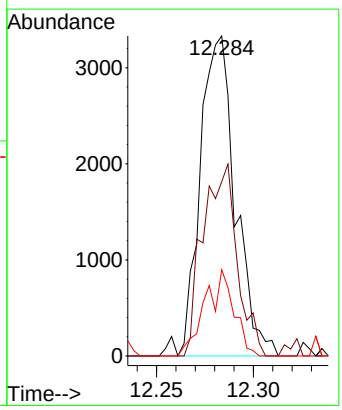


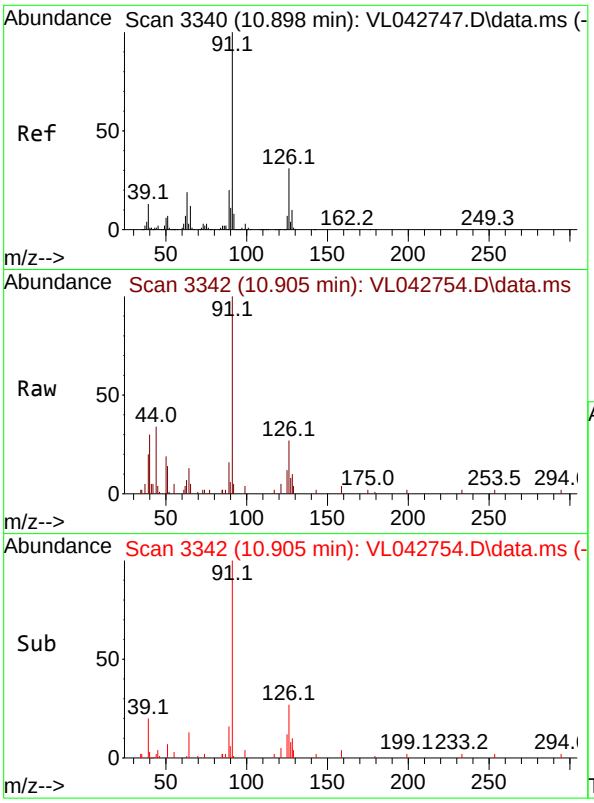


#70
n-Butylbenzene
Concen: 0.058 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion: 91 Resp: 4198

Ion	Ratio	Lower	Upper
91	100		
92	60.2	43.4	65.2
134	23.3	19.6	29.4



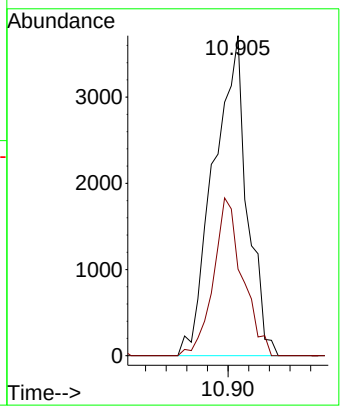


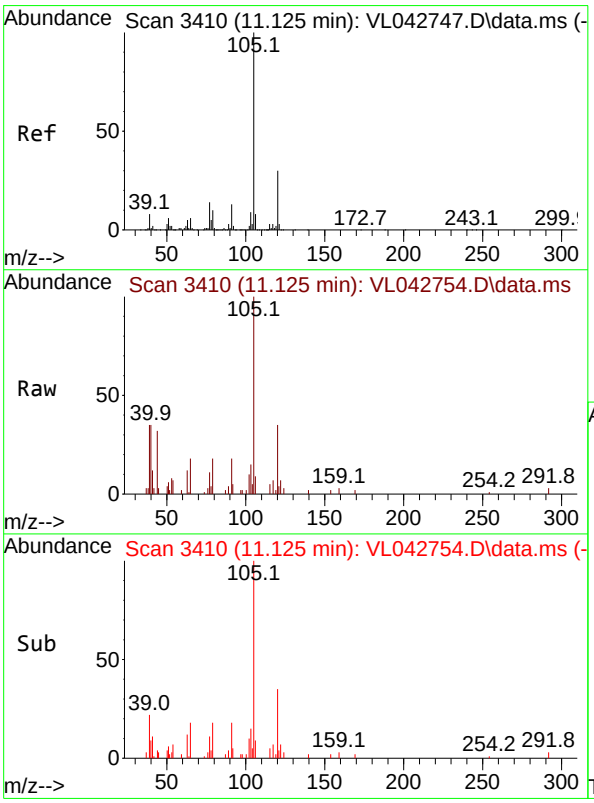
#71
2-Chlorotoluene
Concen: 0.075 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 4180

Ion	Ratio	Lower	Upper
91	100		
126	42.8	12.0	48.2

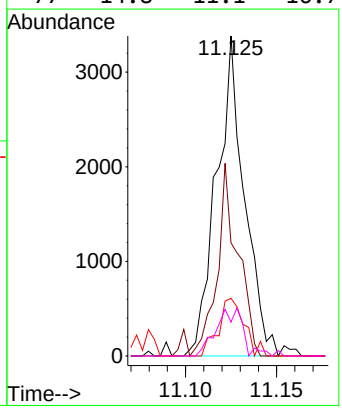


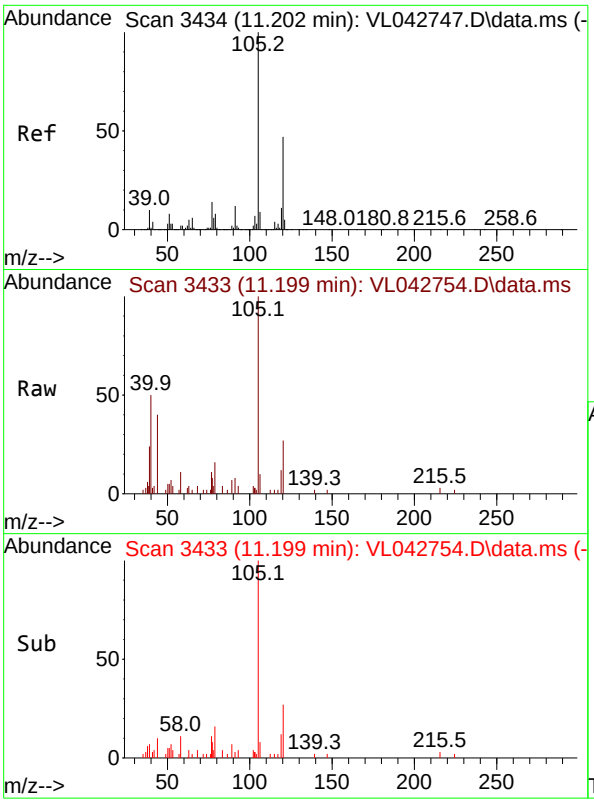


#72
4-Ethyltoluene
Concen: 0.061 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 3597

Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.4	36.6#
91	16.8	10.6	15.8#
77	14.8	11.1	16.7



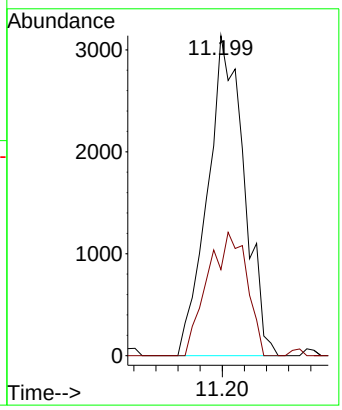


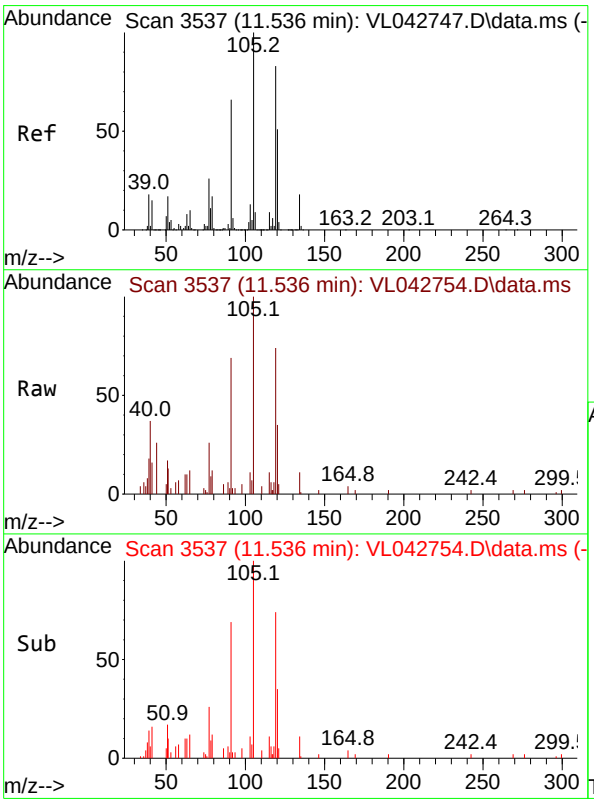
#73
1,3,5-Trimethylbenzene
Concen: 0.074 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 3603

Ion	Ratio	Lower	Upper
105	100		
120	26.9	37.8	56.8#

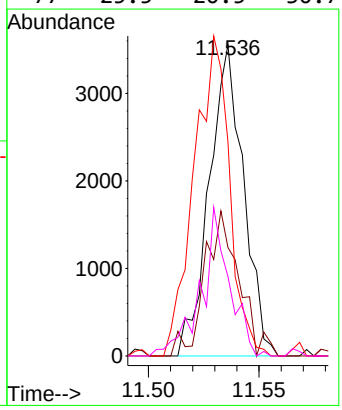


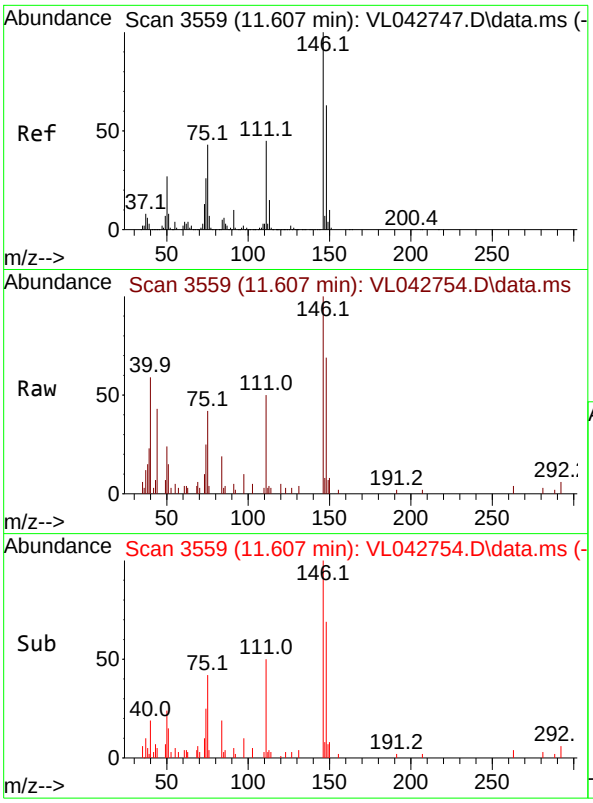


#74
1,2,4-Trimethylbenzene
Concen: 0.072 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:105 Resp: 3826

Ion	Ratio	Lower	Upper
105	100		
120	34.8	40.8	61.2#
91	68.7	53.0	79.4
77	25.5	20.5	30.7



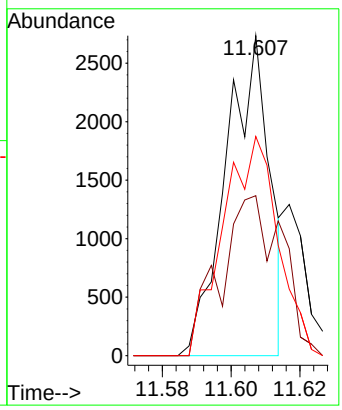


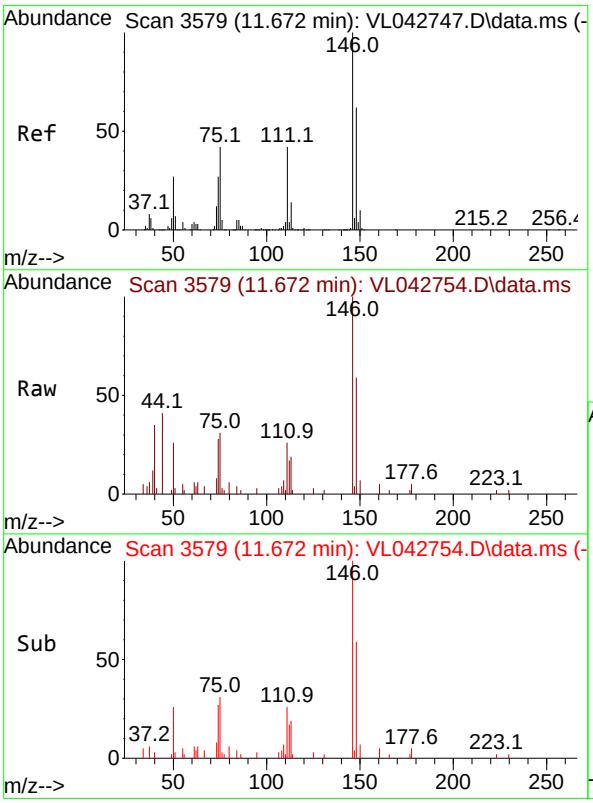
#75
1,3-Dichlorobenzene
Concen: 0.065 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2417

Ion	Ratio	Lower	Upper
146	100		
111	70.0	22.7	68.0#
148	86.3	31.9	95.5

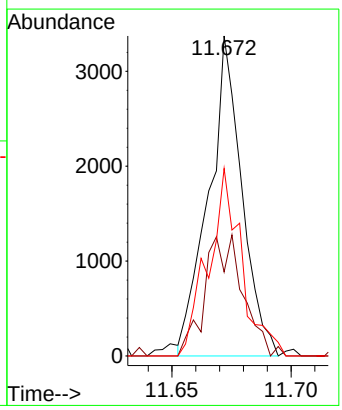


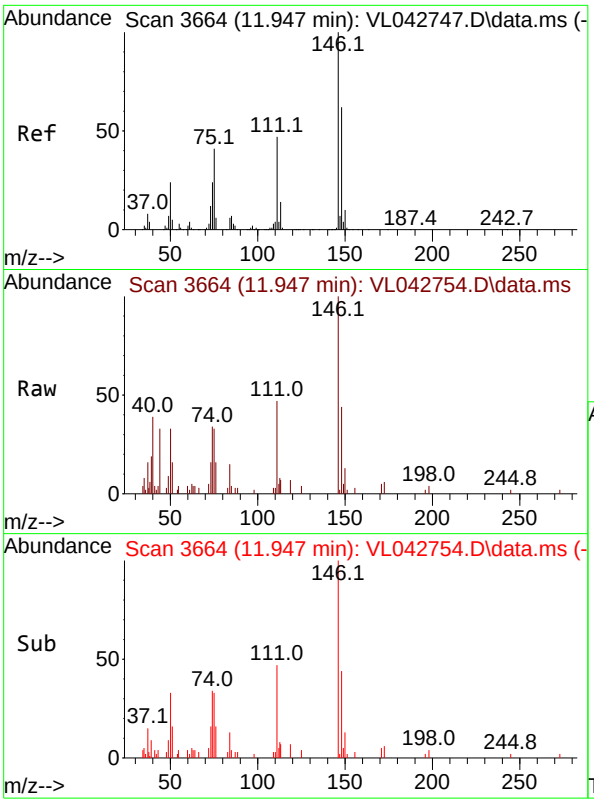


#76
1,4-Dichlorobenzene
Concen: 0.090 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:146 Resp: 3265

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.2
148	58.6	32.1	96.3



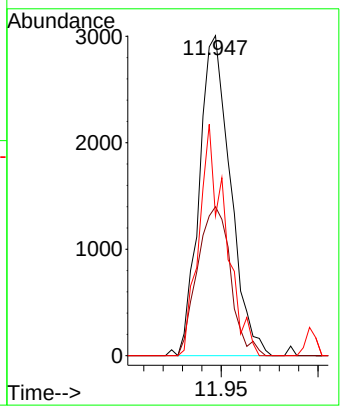


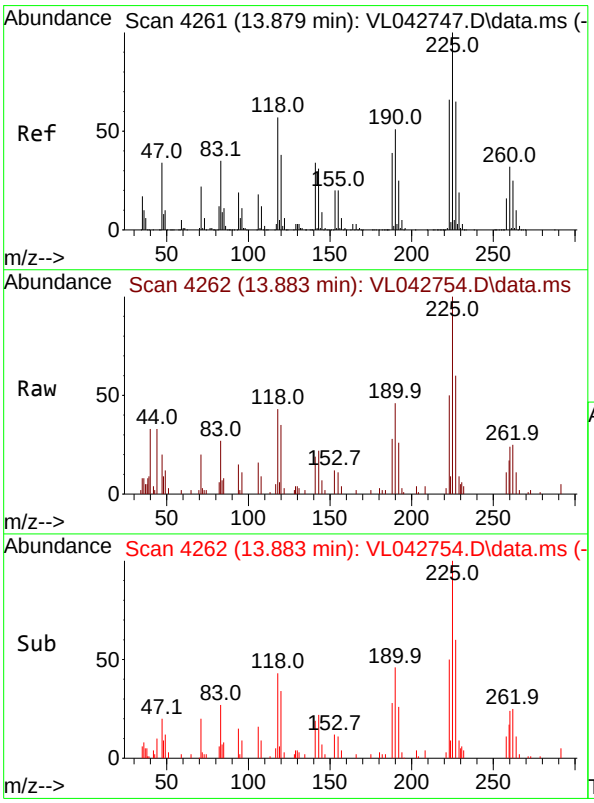
#77
1,2-Dichlorobenzene
Concen: 0.092 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 3354

Ion	Ratio	Lower	Upper
146	100		
111	49.5	23.7	71.1
148	61.6	32.6	97.7

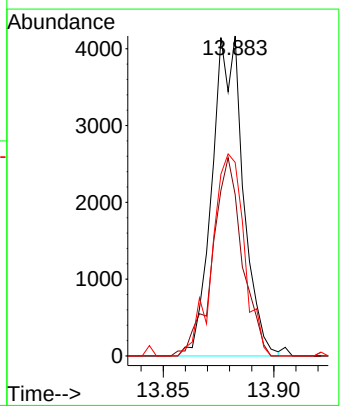


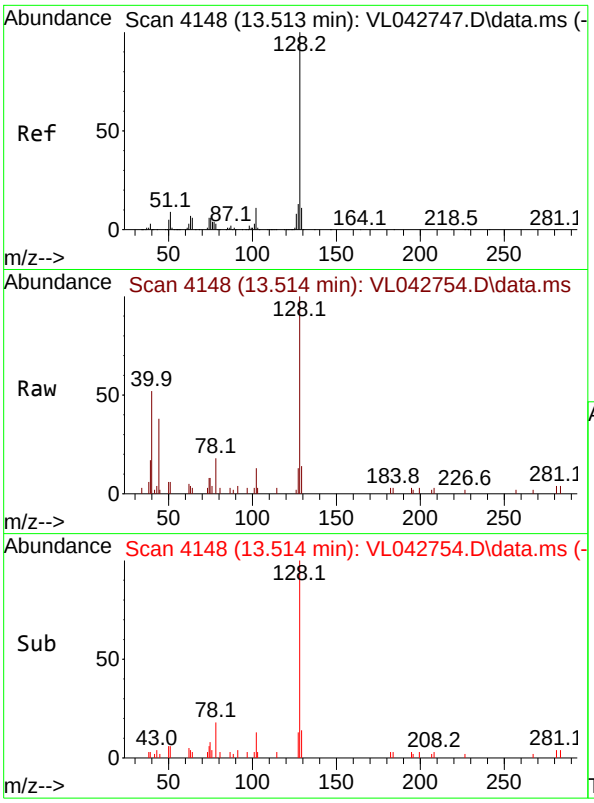


#78
Hexachloro-1,3-Butadiene
Concen: 0.123 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:225 Resp: 4077

Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.7	76.1
227	64.7	50.5	75.7



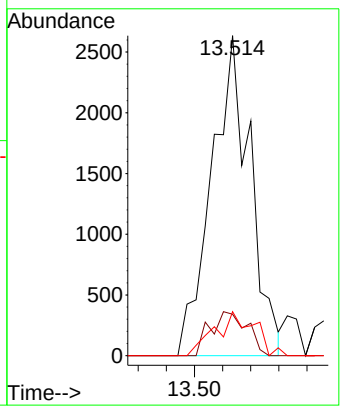


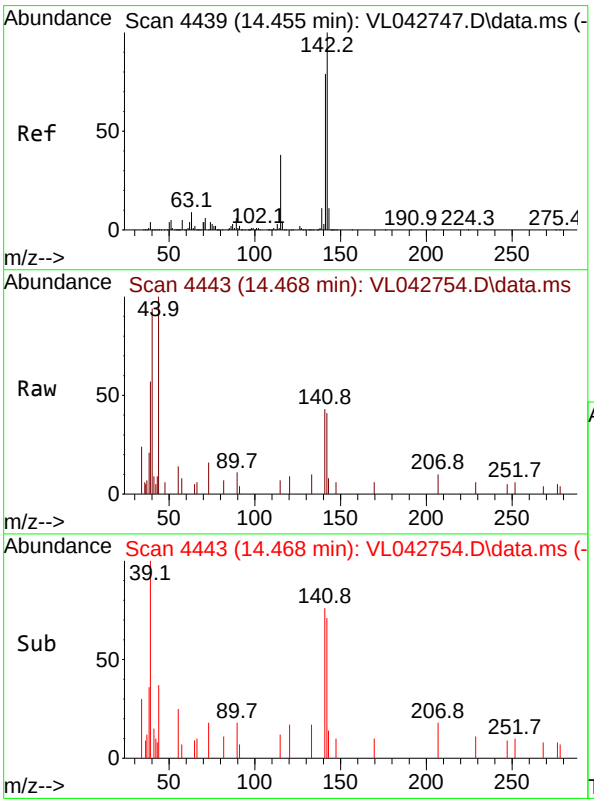
#79
Naphthalene
Concen: 0.475 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 2509

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.7	8.6	13.0#

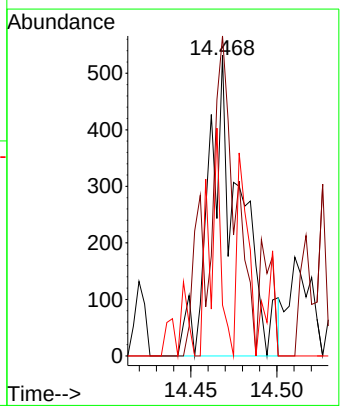


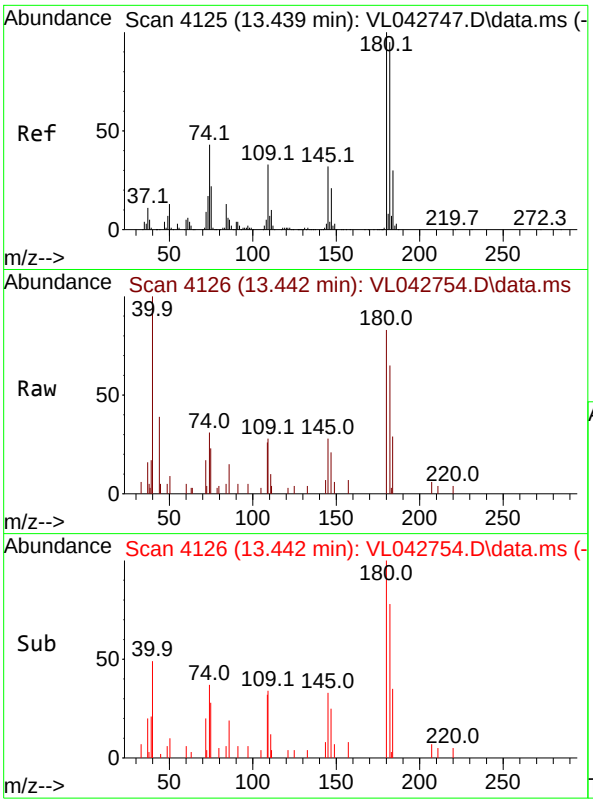


#80
Naphthalene,2-methyl-
Concen: 1.147 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.013 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Tgt Ion:142 Resp: 676

Ion	Ratio	Lower	Upper
142	100		
141	103.7	65.8	98.8#
115	65.2	31.2	46.8#



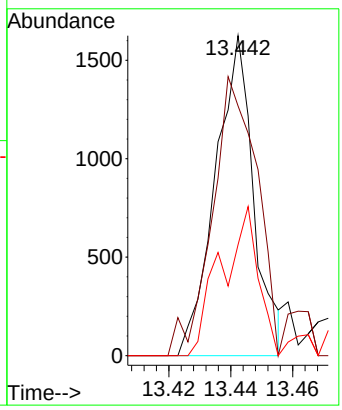


#81
1,2,4-Trichlorobenzene
Concen: 0.475 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042754.D
Acq: 23 Jul 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 1396

Ion	Ratio	Lower	Upper
180	100		
182	110.8	76.2	114.2
184	53.7	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	148064	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421747	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	380539	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	313324	10.397	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	185425	9.472	ppbv	99
3) Chlorodifluoromethane	1.473	51	242908	9.525	ppbv	99
4) Chloromethane	1.531	50	72221	9.119	ppbv	98
5) Vinyl Chloride	1.577	62	64673	8.265	ppbv	100
6) Bromomethane	1.664	94	27096	8.957	ppbv	99
7) Chloroethane	1.700	64	26125	8.641	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	148833	9.244	ppbv	100
9) Propene	1.479	41	86343	9.316	ppbv	95
10) Heptane	4.965	43	247934	9.921	ppbv	99
11) Trichlorofluoromethane	1.874	101	179643	8.902	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.136	101	138363	9.023	ppbv	98
13) Ethanol	1.719	45	7690	10.243	ppbv	92
14) Bromoethene	1.777	108	48972	9.020	ppbv	98
15) Acetone	1.832	43	149742	7.324	ppbv	99
16) 1,3-Butadiene	1.606	39	79112	9.072	ppbv	98
17) tert-Butyl alcohol	2.036	59	170096	9.225	ppbv	98
18) 1,1-Dichloroethene	2.030	96	62149	8.970	ppbv	96
19) Isopropyl Alcohol	1.881	45	97844	9.006	ppbv	99
20) Methylene Chloride	2.056	84	53608	8.320	ppbv	98
21) Allyl Chloride	2.091	41	118958	9.441	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	69482	9.322	ppbv	97
23) Vinyl Acetate	2.457	43	261938	10.568	ppbv	98
24) 1,1-Dichloroethane	2.402	63	137586	8.993	ppbv	99
25) Ethyl Acetate	2.829	43	444208	9.816	ppbv	99
26) Hexane	2.819	57	190523	9.597	ppbv	98
27) Carbon Disulfide	2.146	76	164040	9.652	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	85480	9.114	ppbv	98
29) Chloroform	2.842	83	295808	9.643	ppbv	99
30) Cyclohexane	3.849	84	164554	9.773	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	199970	9.802	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	293074	9.172	ppbv	100
34) 2-Butanone	2.551	43	294837	9.869	ppbv	99
35) Carbon Tetrachloride	3.755	117	310129	9.900	ppbv	96
36) Benzene	3.648	78	393085	9.834	ppbv	99
37) 1,2-Dichloroethane	3.211	62	238249	9.895	ppbv	100
38) Trichloroethene	4.538	130	178600	9.301	ppbv	97
39) 1,2-Dichloropropane	4.305	63	141316	9.578	ppbv	95
40) 1,4-Dioxane	4.570	88	65204	9.481	ppbv #	94
41) Tetrahydrofuran	3.046	42	158159	10.404	ppbv	99
42) Bromodichloromethane	4.477	83	321549	10.254	ppbv	98
43) Methyl Methacrylate	4.865	69	152551	10.738	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	649720	9.973	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	169563	10.643	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	215596	10.679	ppbv		97
47) 1,1,2-Trichloroethane	6.571	97	85637	5.445	ppbv		97
48) Dibromochloromethane	7.380	129	261174	10.460	ppbv		98
49) Bromoform	9.477	173	233573	10.729	ppbv		99
50) 4-Methyl-2-Pentanone	5.736	43	396506	10.303	ppbv		100
51) 2-Hexanone	7.428	43	320740	11.029	ppbv	#	100
52) Tetrachloroethene	8.218	164	151810	9.163	ppbv		98
53) Toluene	6.927	91	441829	10.294	ppbv		100
54) 1,2-Dibromoethane	7.645	107	229563	10.331	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.920	131	193089	9.759	ppbv		99
57) Chlorobenzene	8.914	112	354412	9.623	ppbv		96
58) Ethyl Benzene	9.348	91	631247	10.504	ppbv		99
59) m/p-Xylene	9.545	91	500367	10.418	ppbv	#	32
60) o-Xylene	9.959	91	503849	10.499	ppbv		99
61) Styrene	9.866	104	225799	11.185	ppbv		99
62) Isopropylbenzene	10.536	105	736044	10.398	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.956	83	287775	9.340	ppbv		99
64) n-propylbenzene	10.982	120	193034	10.460	ppbv		98
65) tert-Butylbenzene	11.526	119	660966	10.512	ppbv		99
66) Benzyl Chloride	11.610	91	60055	11.634	ppbv		99
67) sec-Butylbenzene	11.762	105	914046	10.221	ppbv		100
69) p-Isopropyltoluene	11.921	119	778601	10.677	ppbv		99
70) n-Butylbenzene	12.277	91	788734	11.197	ppbv		99
71) 2-Chlorotoluene	10.895	91	563193	10.376	ppbv		99
72) 4-Ethyltoluene	11.121	105	617355	10.772	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	516735	10.951	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	567186	11.017	ppbv		98
75) 1,3-Dichlorobenzene	11.604	146	366855	10.165	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	364937	10.333	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	348999	9.839	ppbv		99
78) Hexachloro-1,3-Butadiene	13.876	225	291861	9.091	ppbv		99
79) Naphthalene	13.510	128	578563	10.342	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	277798	9.951	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	319897	10.181	ppbv		100

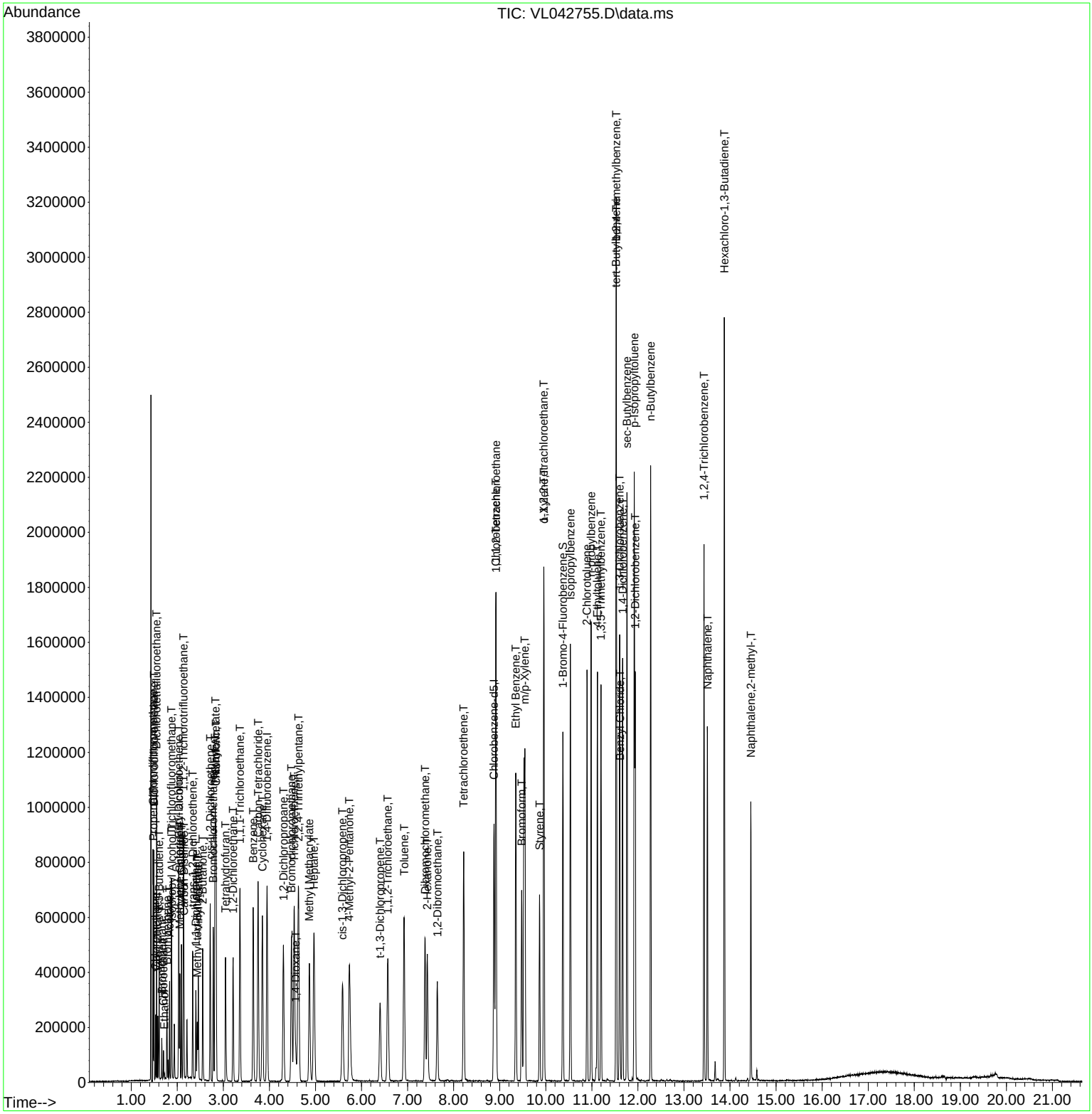
(#) = qualifier out of range (m) = manual integration (+) = signals summed

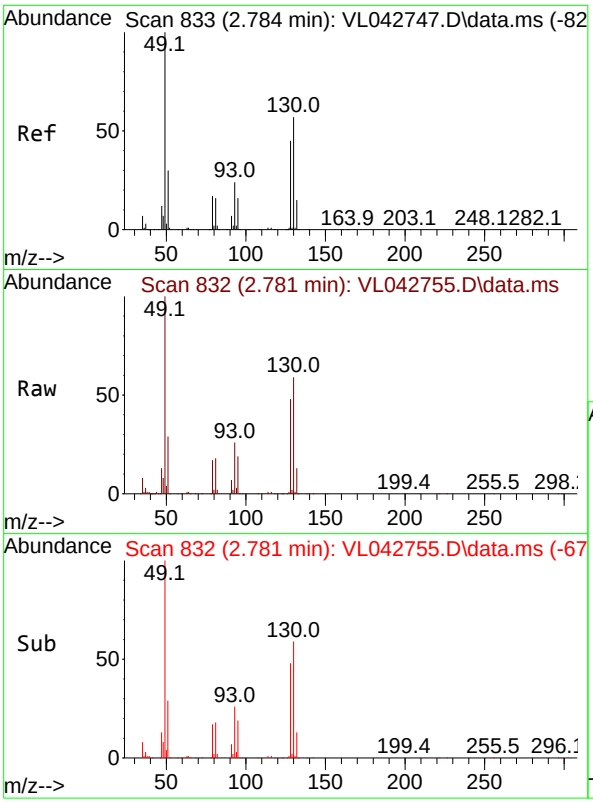
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
Data File : VL042755.D
Acq On : 23 Jul 2025 14:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



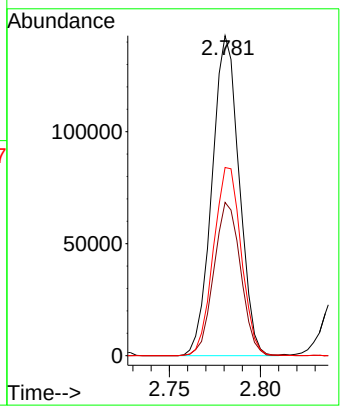


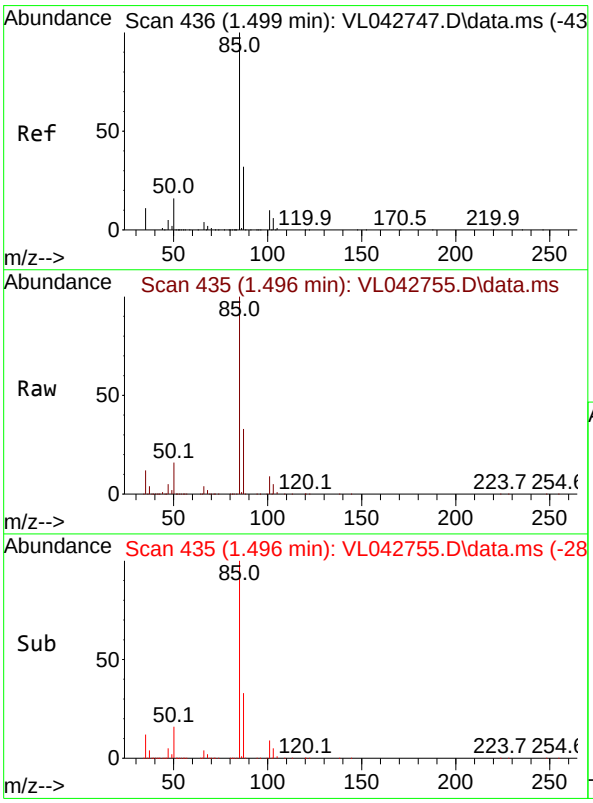
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 49 Resp: 148064

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	60.2	30.3	90.8

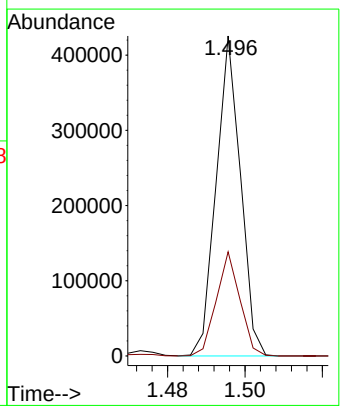


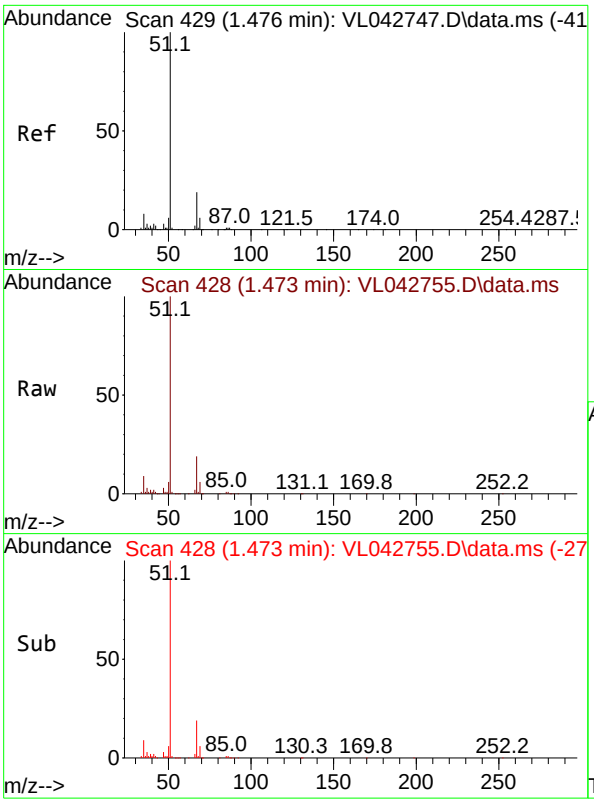


#2
Dichlorodifluoromethane
Concen: 9.472 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 185425

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.4	38.2



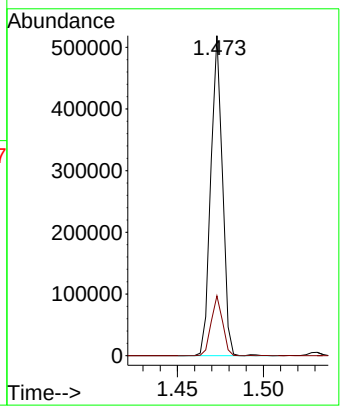


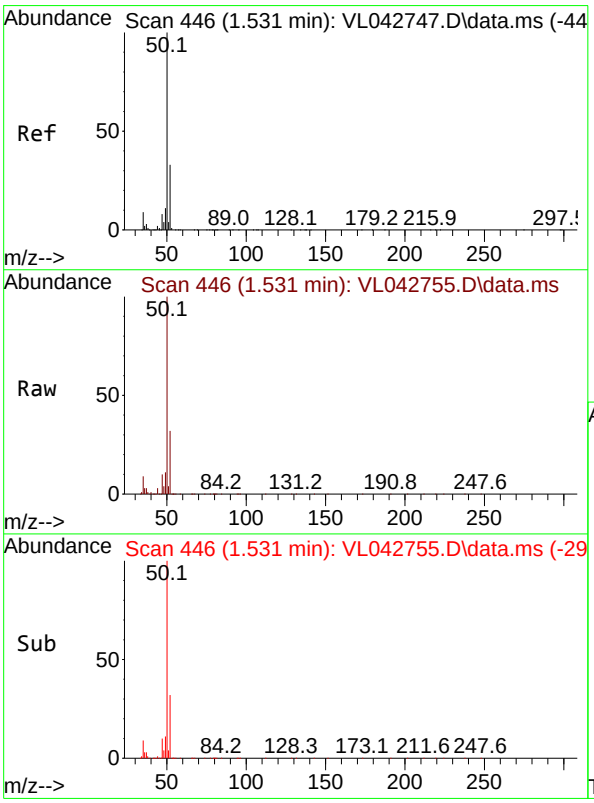
#3
Chlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 51 Resp: 242908

Ion	Ratio	Lower	Upper
51	100		
67	18.4	15.0	22.6

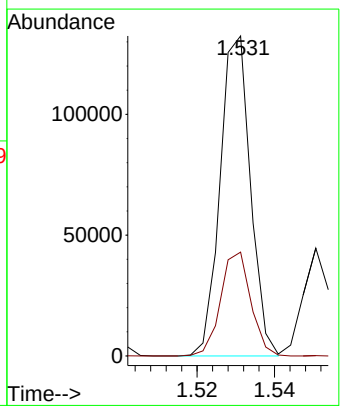


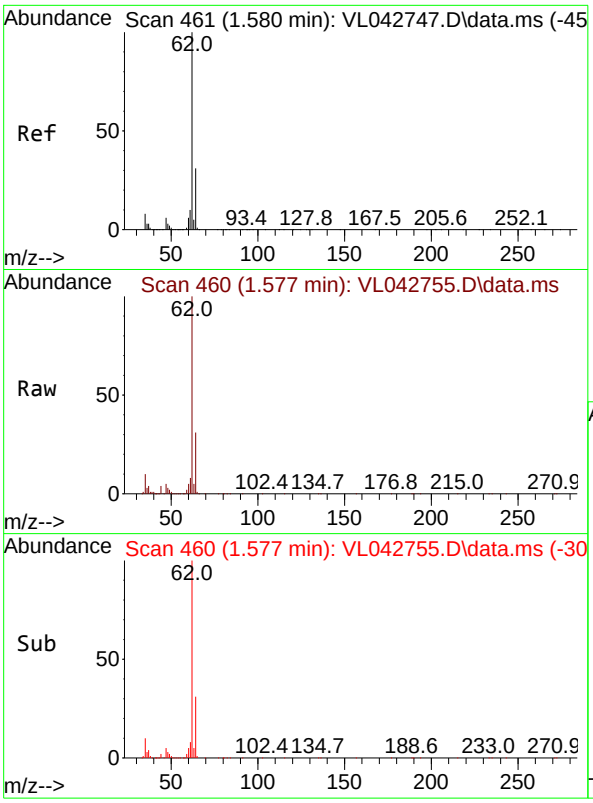


#4
Chloromethane
Concen: 9.119 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 50 Resp: 72221

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.6	40.0



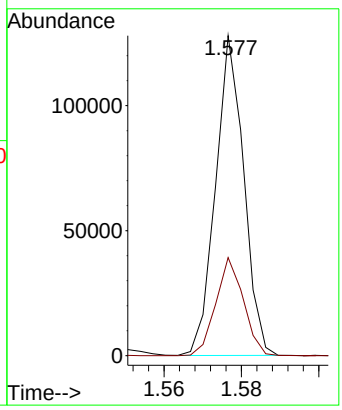


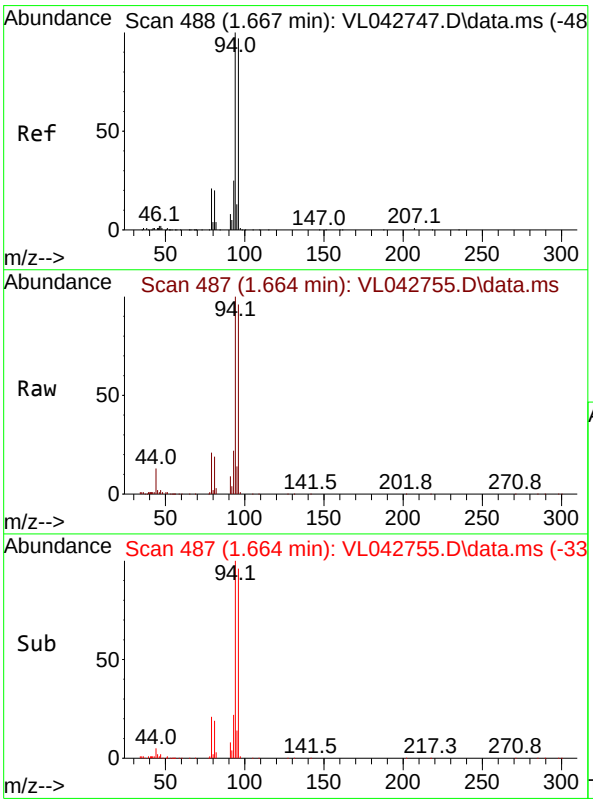
#5
Vinyl Chloride
Concen: 8.265 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 62 Resp: 64673

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.5	36.7

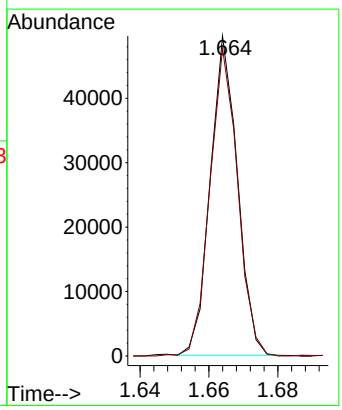


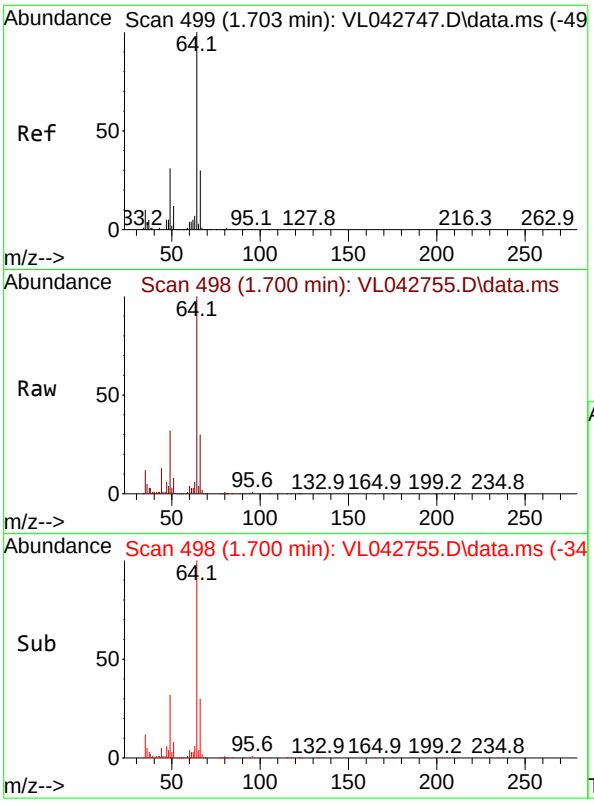


#6
Bromomethane
Concen: 8.957 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 94 Resp: 27096

Ion	Ratio	Lower	Upper
94	100		
96	96.3	77.6	116.4



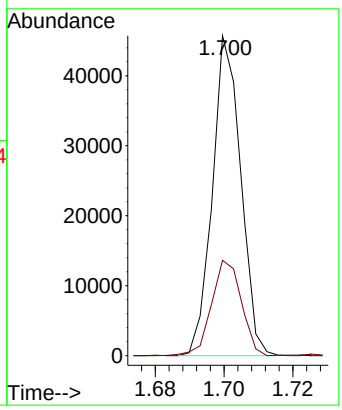


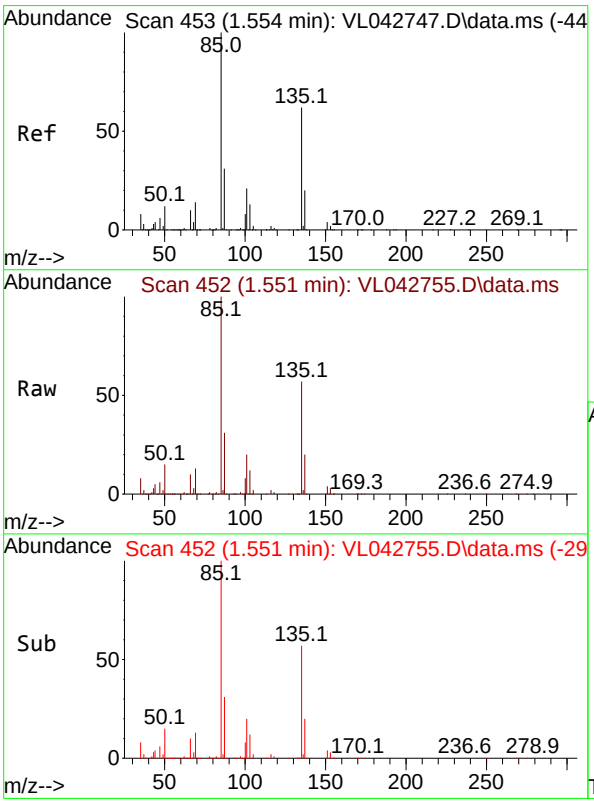
#7
Chloroethane
Concen: 8.641 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 64 Resp: 26125

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.1	36.1

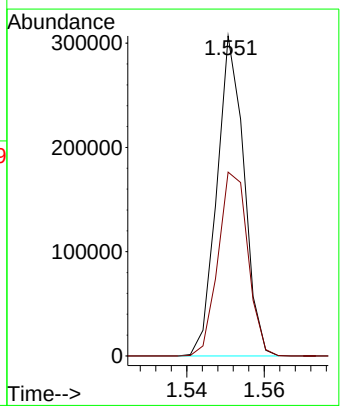


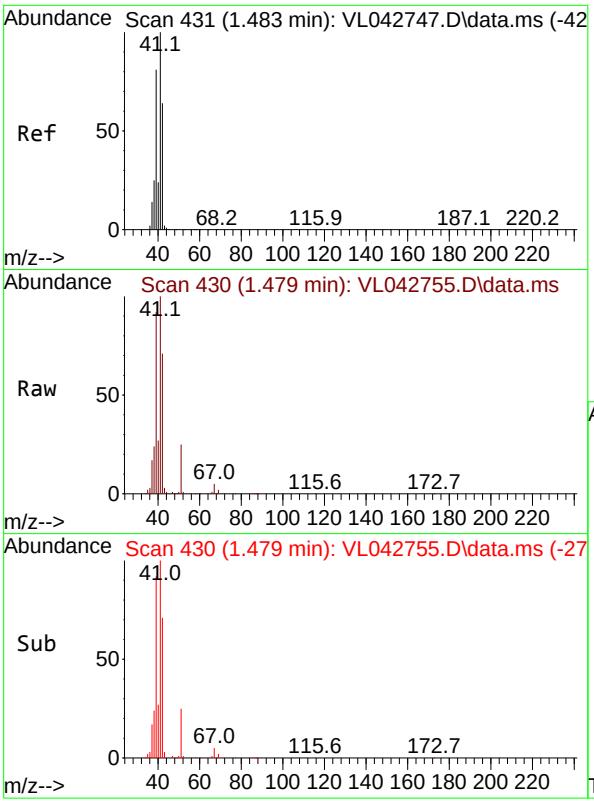


#8
Dichlorotetrafluoroethane
Concen: 9.244 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 148833

Ion	Ratio	Lower	Upper
85	100		
135	63.6	50.6	76.0



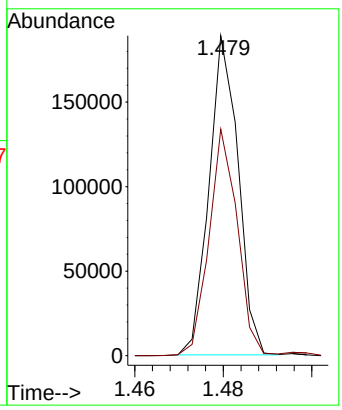


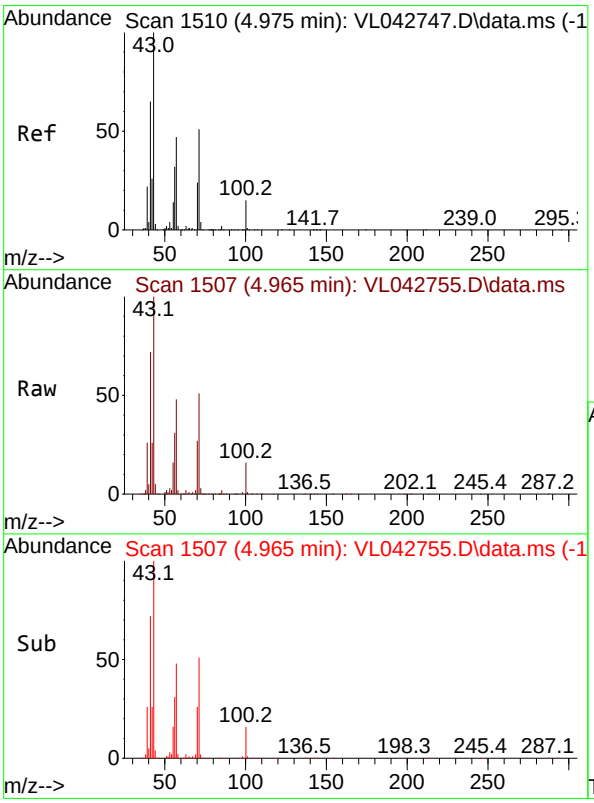
#9
Propene
Concen: 9.316 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 41 Resp: 86343

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.2	79.8

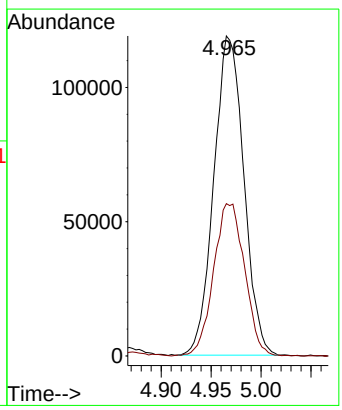


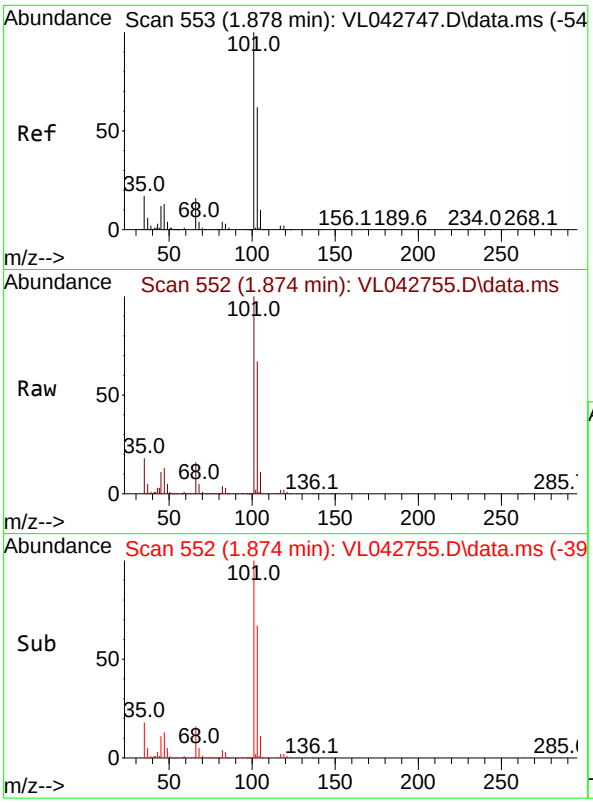


#10
Heptane
Concen: 9.921 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 247934

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.9	59.9



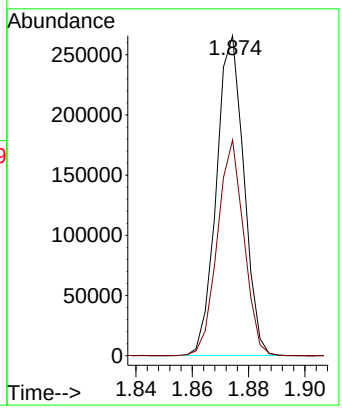


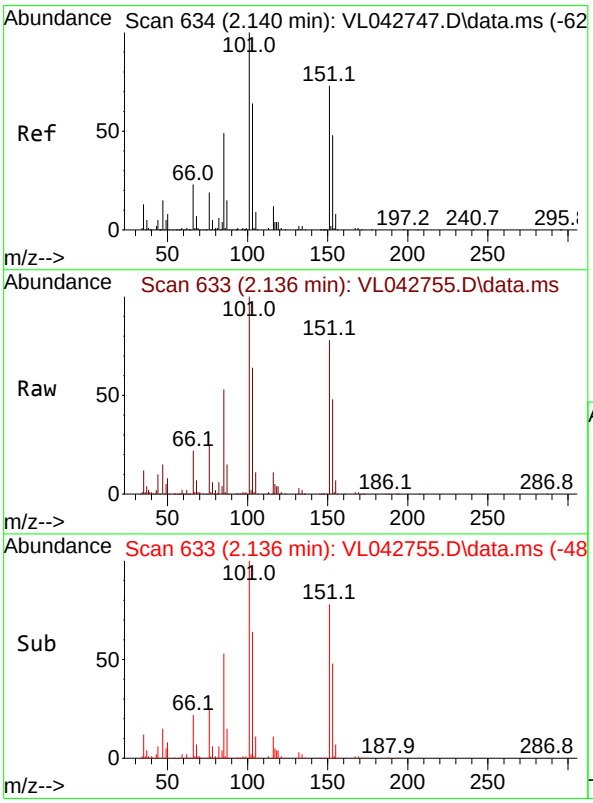
#11
Trichlorofluoromethane
Concen: 8.902 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:101 Resp: 179643

Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.6	74.4

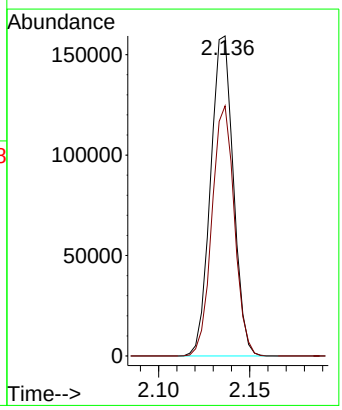


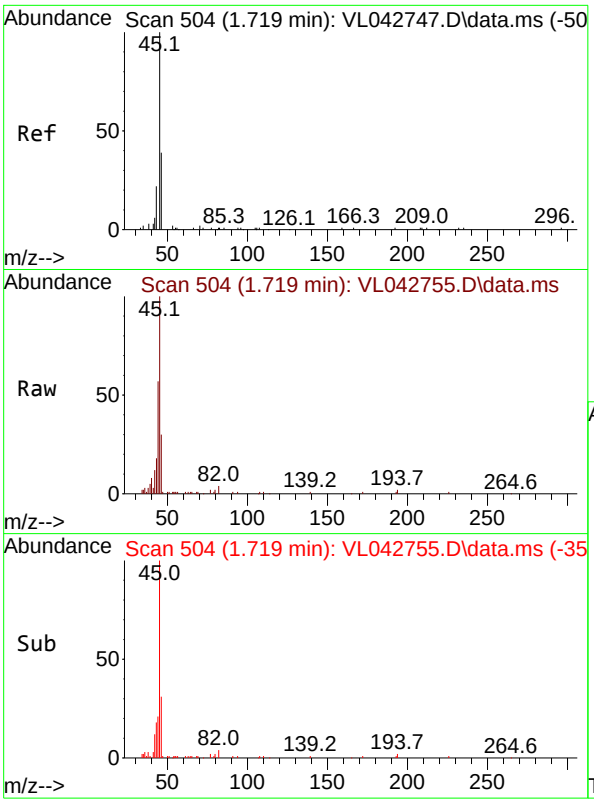


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.023 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 138363

Ion	Ratio	Lower	Upper
101	100		
151	76.9	60.5	90.7



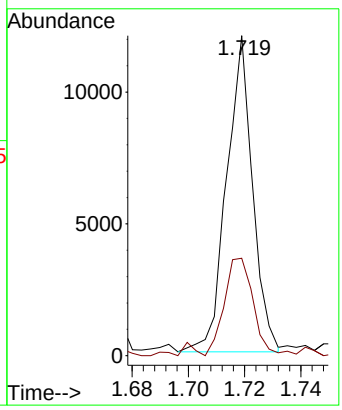


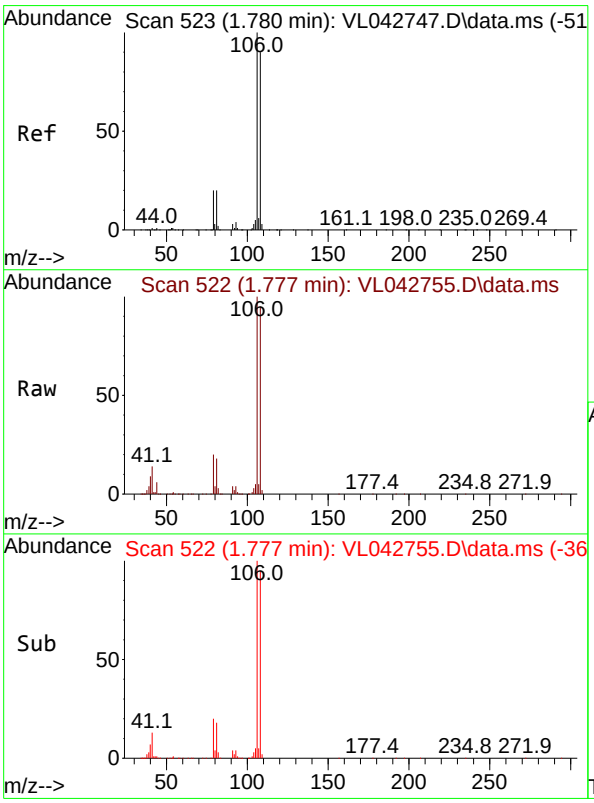
#13
Ethanol
Concen: 10.243 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 45 Resp: 7690

Ion	Ratio	Lower	Upper
45	100		
46	39.7	17.8	71.4

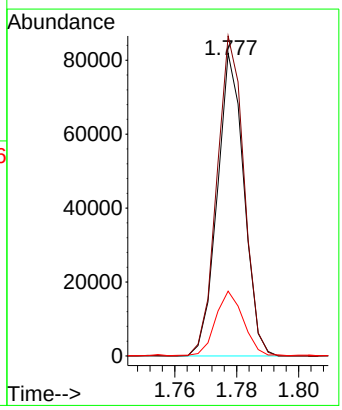


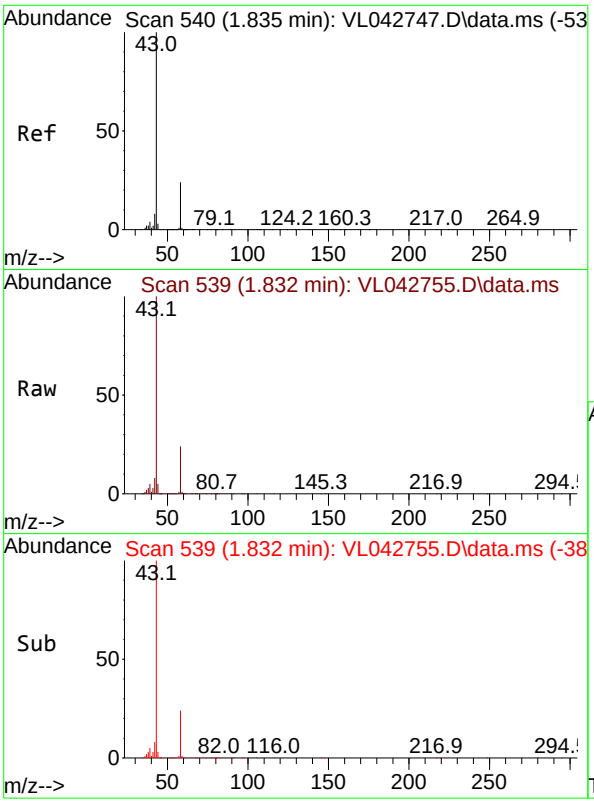


#14
Bromoethene
Concen: 9.020 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:108 Resp: 48972

Ion	Ratio	Lower	Upper
108	100		
106	107.5	84.7	127.1
79	23.5	17.4	26.2



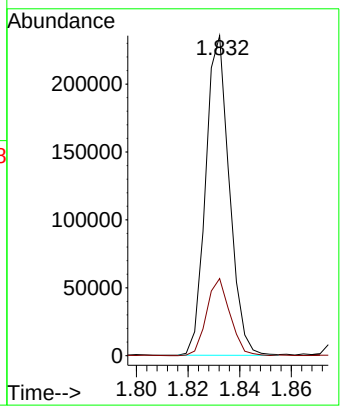


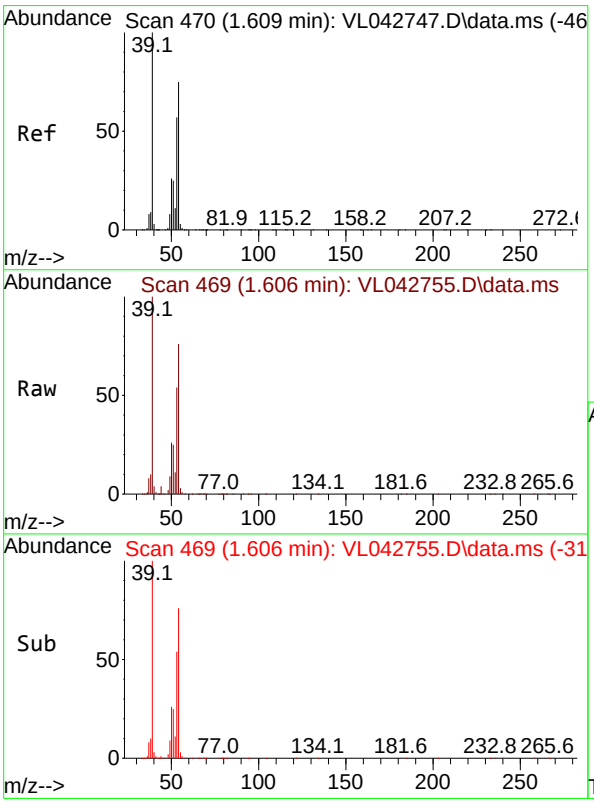
#15
Acetone
Concen: 7.324 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 149742

Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.8	29.8

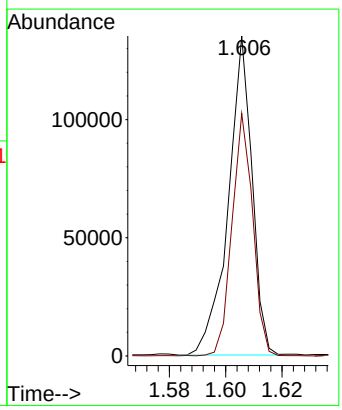


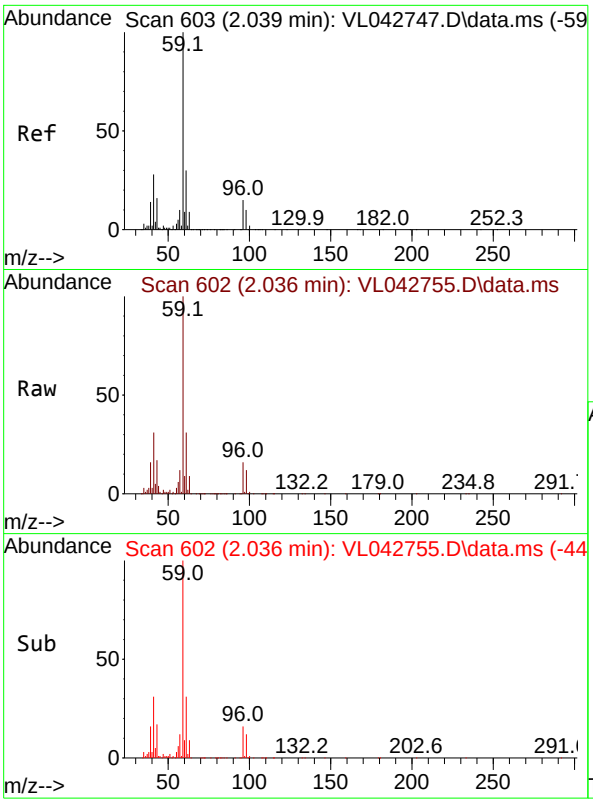


#16
1,3-Butadiene
Concen: 9.072 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 39 Resp: 79112

Ion	Ratio	Lower	Upper
39	100		
54	66.6	54.5	81.7



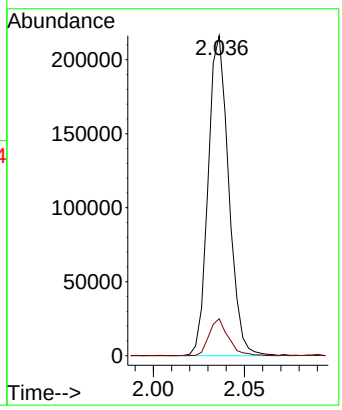


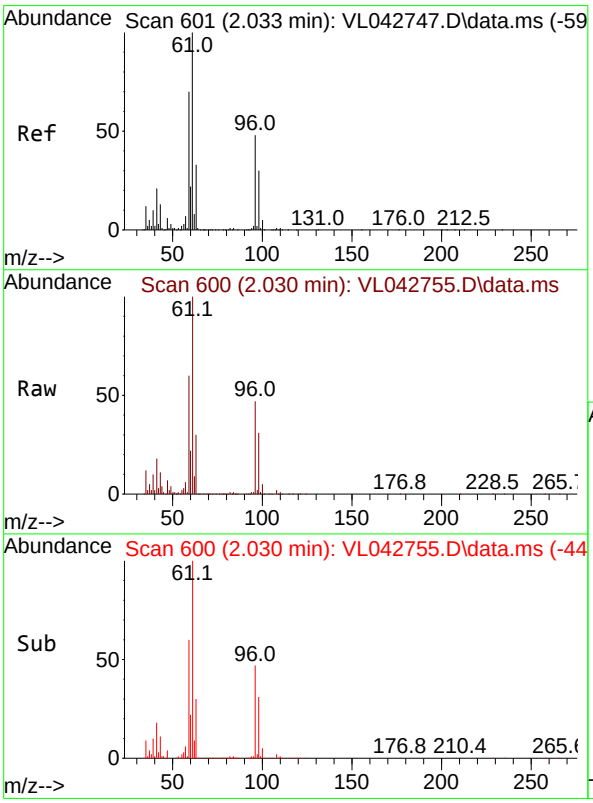
#17
tert-Butyl alcohol
Concen: 9.225 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 59 Resp: 170096

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

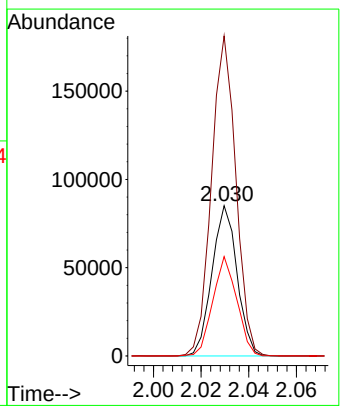


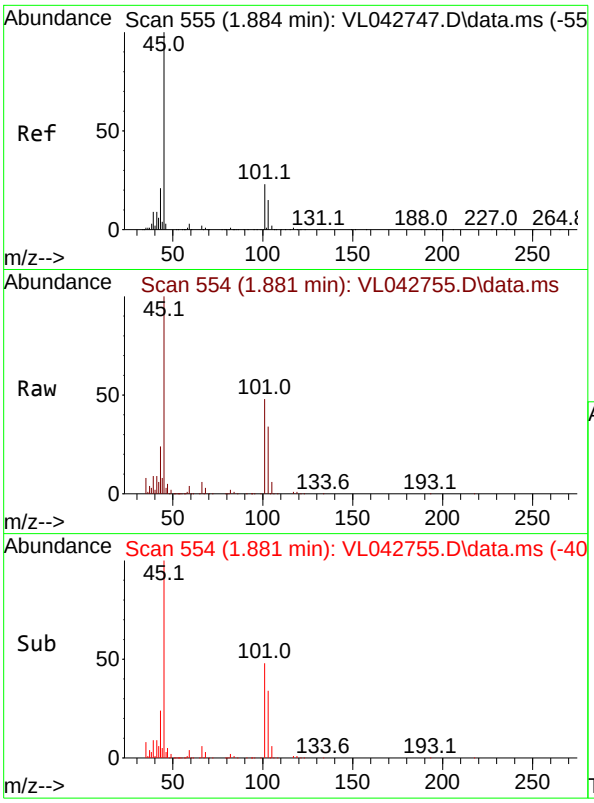


#18
1,1-Dichloroethene
Concen: 8.970 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 62149

Ion	Ratio	Lower	Upper
96	100		
61	212.9	165.8	248.6
98	66.1	49.9	74.9



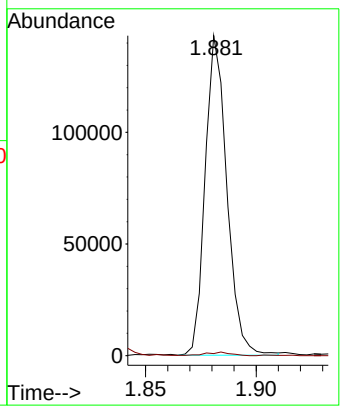


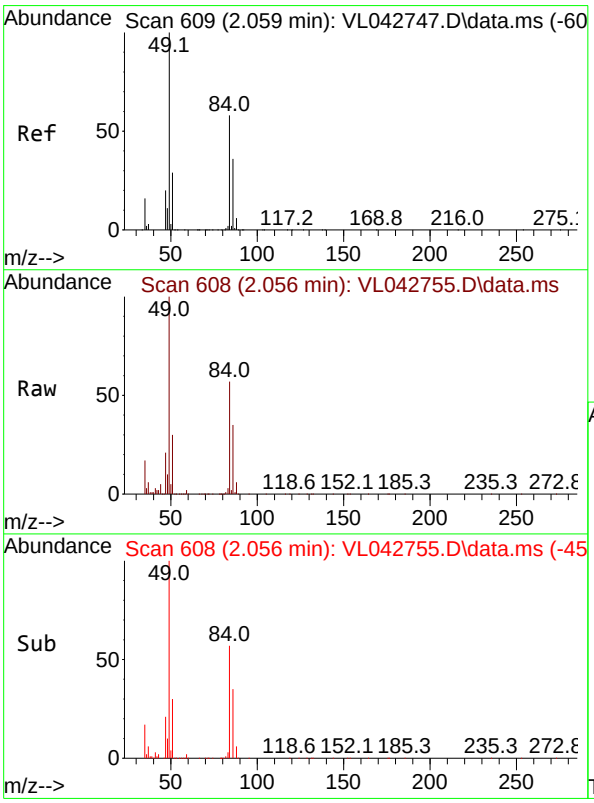
#19
Isopropyl Alcohol
Concen: 9.006 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 45 Resp: 97844

Ion	Ratio	Lower	Upper
45	100		
58	37.1	30.0	45.0

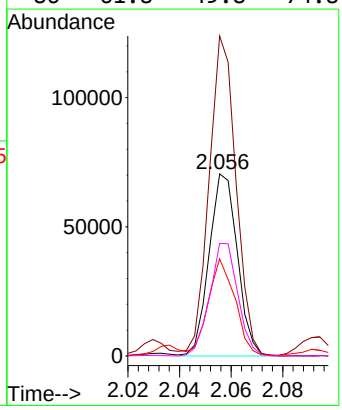


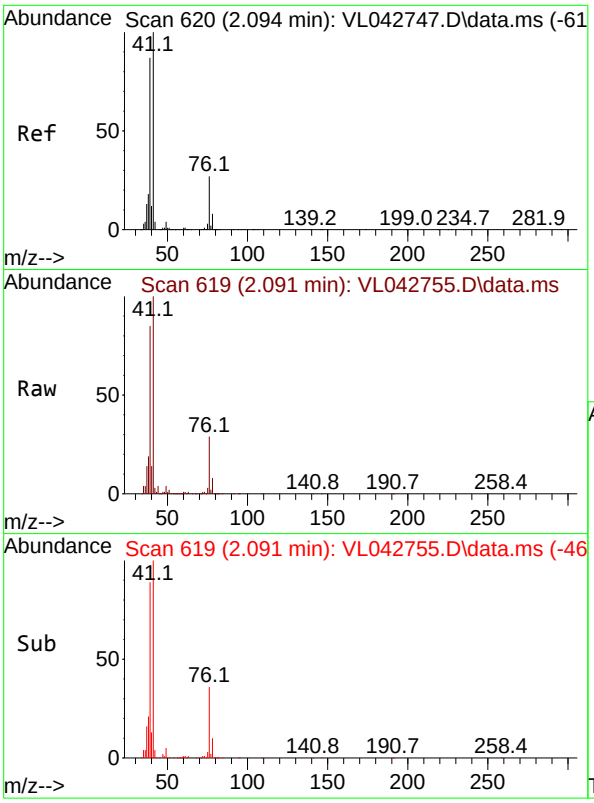


#20
Methylene Chloride
Concen: 8.320 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 53608

Ion	Ratio	Lower	Upper
84	100		
49	175.3	138.6	208.0
51	53.0	40.6	61.0
86	61.8	49.8	74.8



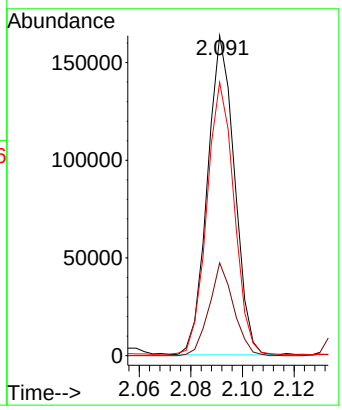


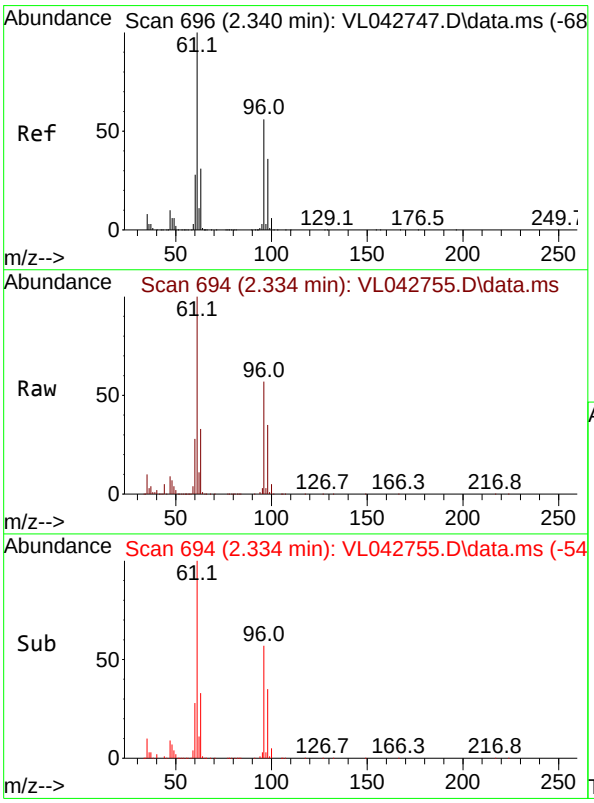
#21
Allyl Chloride
Concen: 9.441 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 41 Resp: 118958

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.1	31.7
39	85.9	68.3	102.5

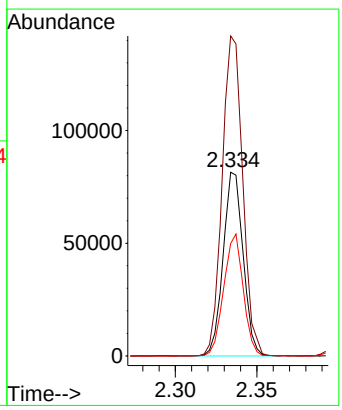


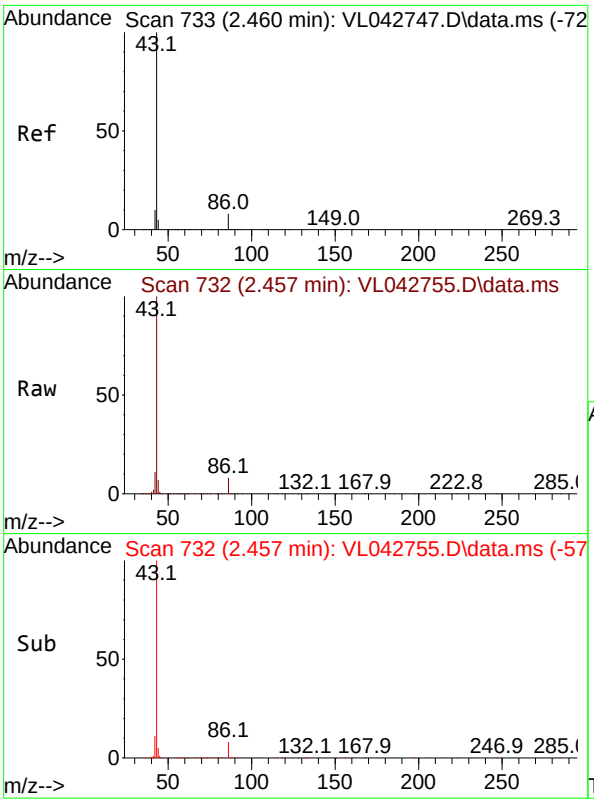


#22
trans-1,2-Dichloroethene
Concen: 9.322 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 69482

Ion	Ratio	Lower	Upper
96	100		
61	174.3	142.3	213.5
98	61.3	50.6	76.0



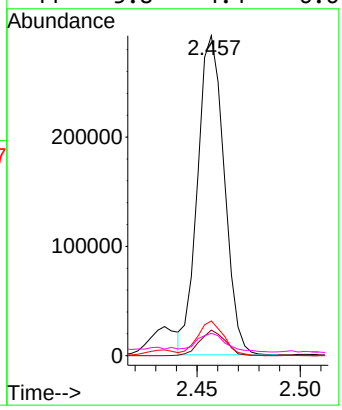


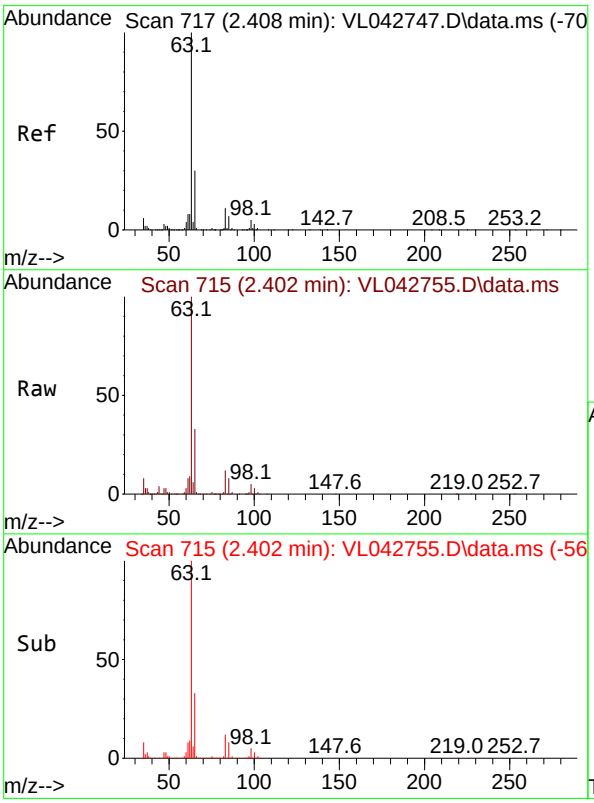
#23
Vinyl Acetate
Concen: 10.568 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 261938

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	10.7	7.8	11.8
44	5.8	4.4	6.6

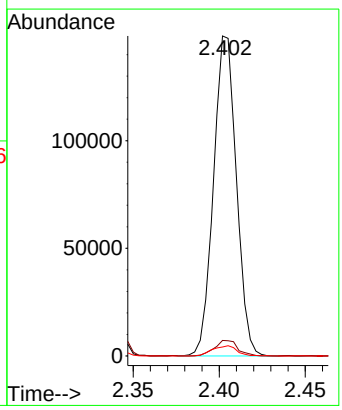


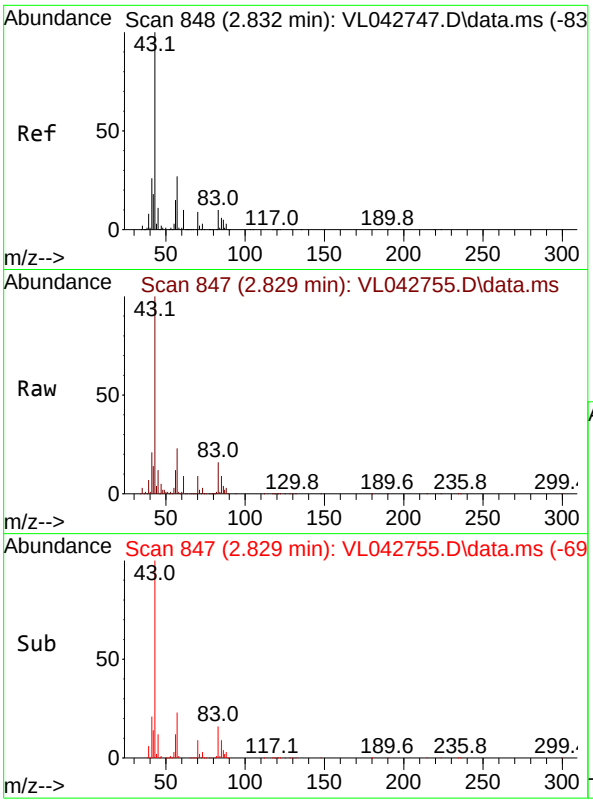


#24
1,1-Dichloroethane
Concen: 8.993 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 137586

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	2.8	1.6	4.8



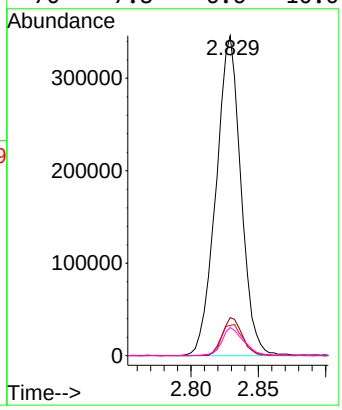


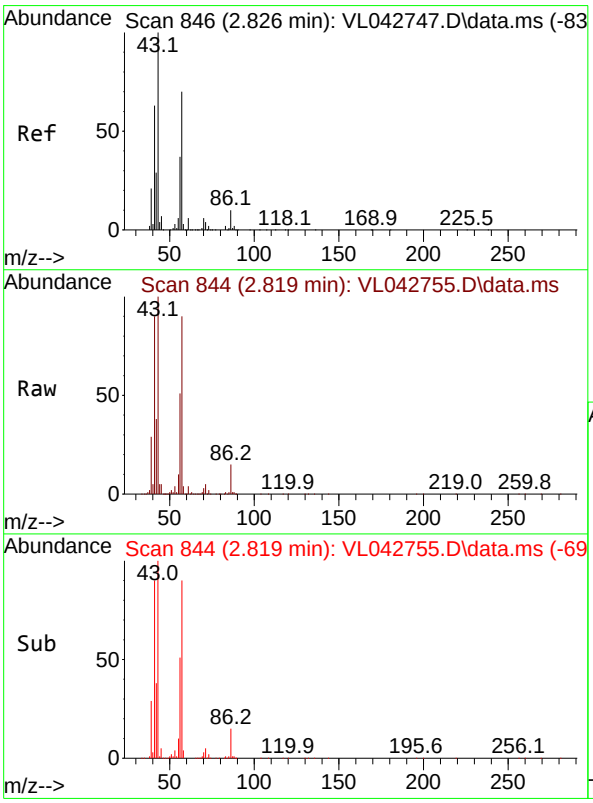
#25
Ethyl Acetate
Concen: 9.816 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 444208

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	6.7	10.1
70	7.8	6.6	10.0

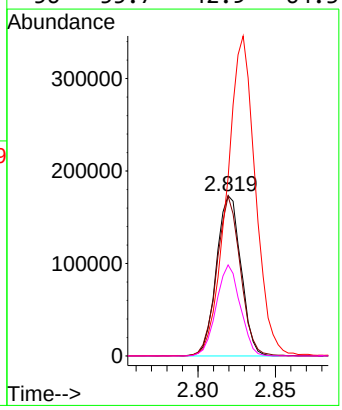


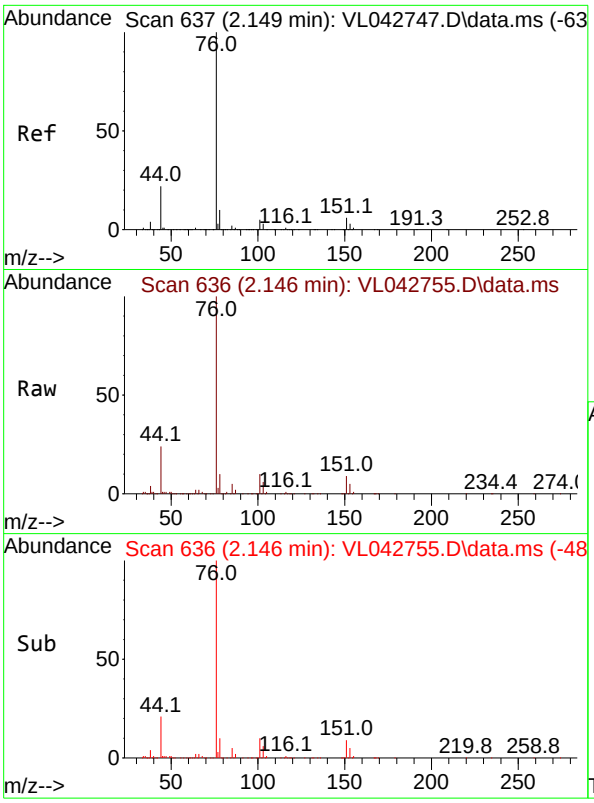


#26
Hexane
Concen: 9.597 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 190523

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.4	113.2
43	234.2	185.0	277.6
56	55.7	42.9	64.3



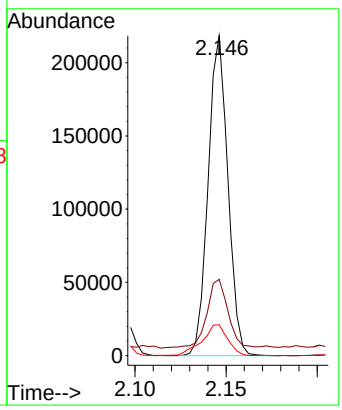


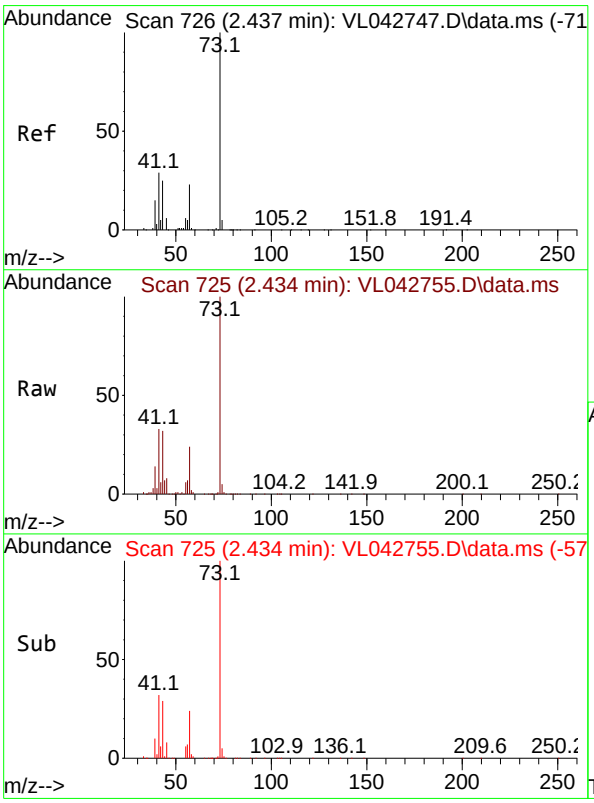
#27
Carbon Disulfide
Concen: 9.652 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 76 Resp: 164040

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.3	28.9
78	12.7	9.9	14.9

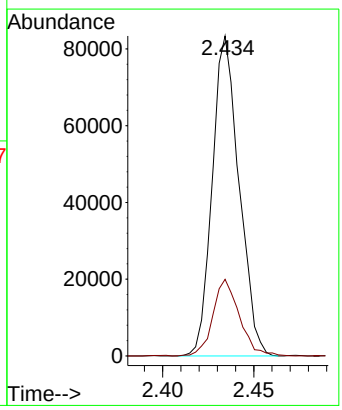


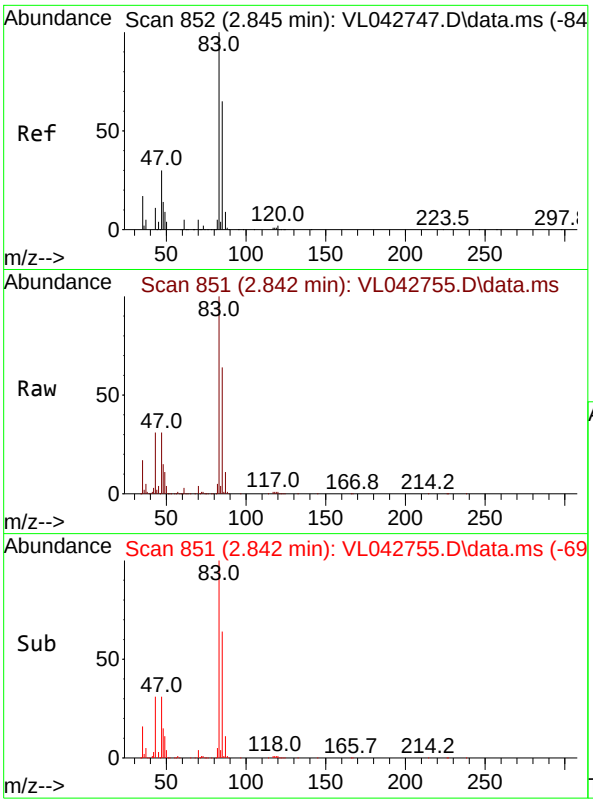


#28
Methyl tert-Butyl Ether
Concen: 9.114 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 73 Resp: 85480

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.8	29.8



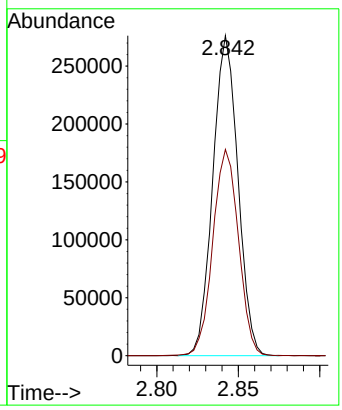


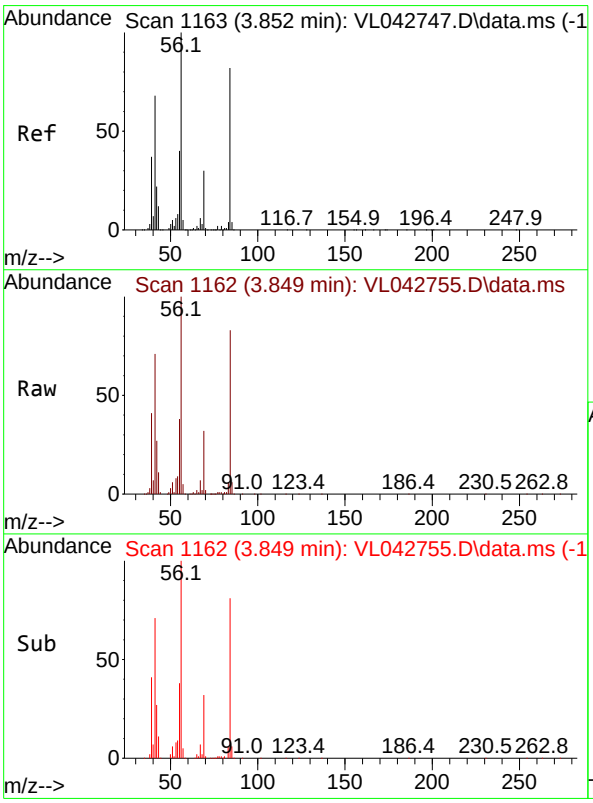
#29
Chloroform
Concen: 9.643 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 83 Resp: 295808

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2

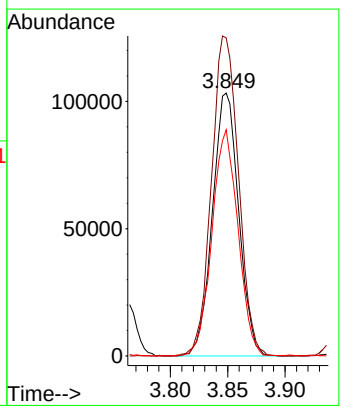


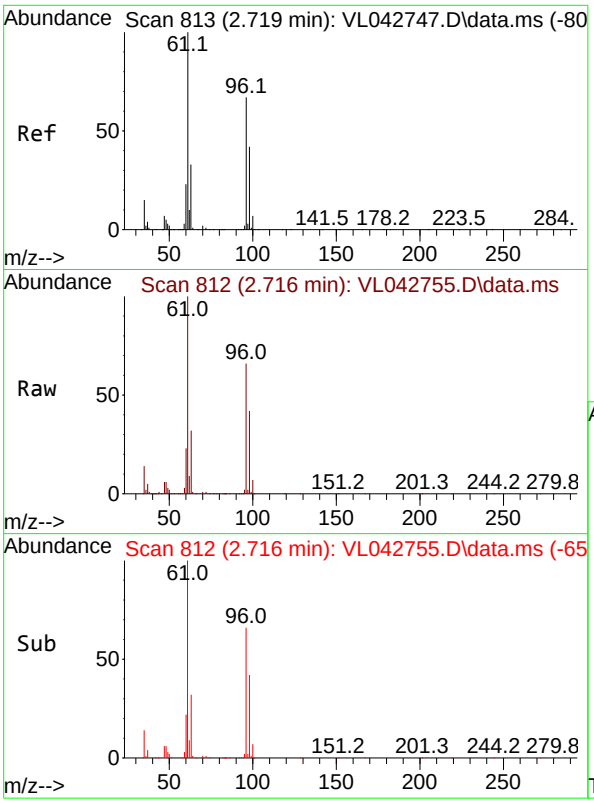


#30
Cyclohexane
Concen: 9.773 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 164554

Ion	Ratio	Lower	Upper
84	100		
56	124.9	97.5	146.3
41	85.5	67.2	100.8



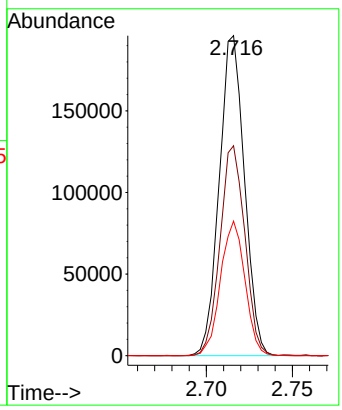


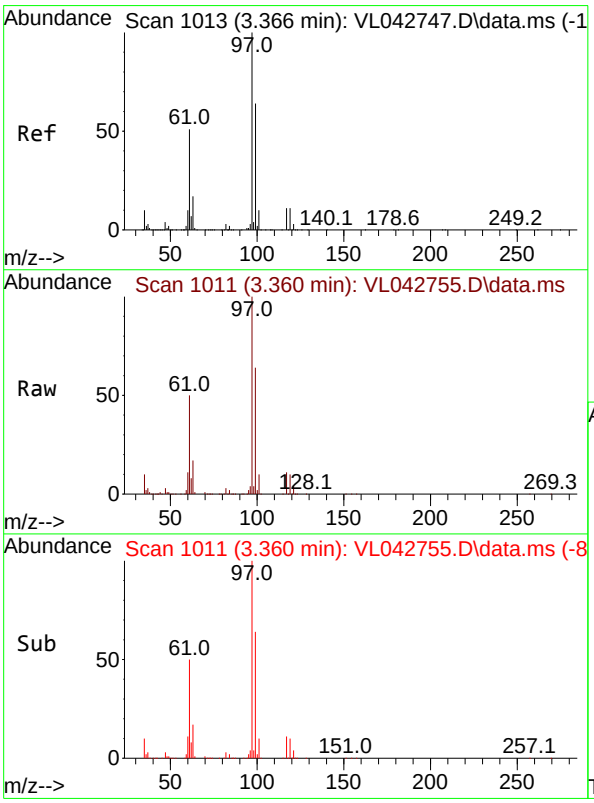
#31
cis-1,2-Dichloroethene
Concen: 9.802 ppbv
RT: 2.716 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 61 Resp: 199970

Ion	Ratio	Lower	Upper
61	100		
96	65.6	53.5	80.3
98	42.1	33.6	50.4

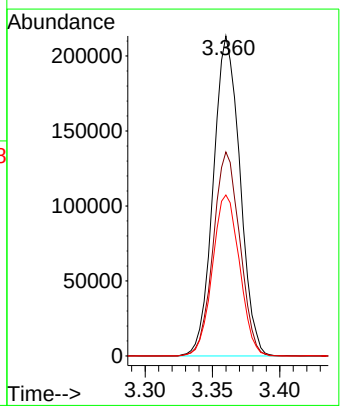


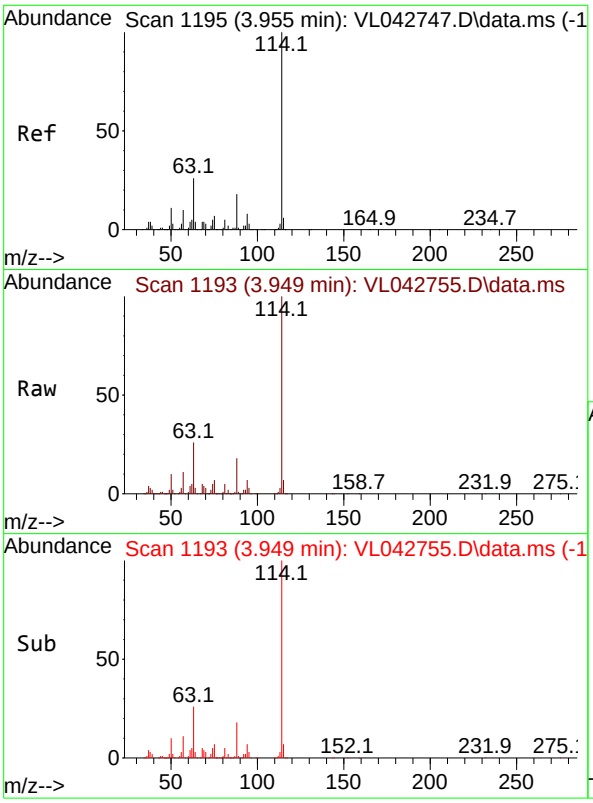


#32
1,1,1-Trichloroethane
Concen: 9.172 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 293074

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	51.4	40.9	61.3



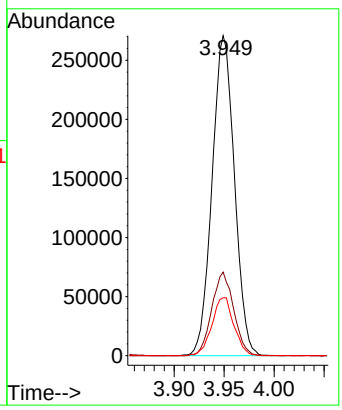


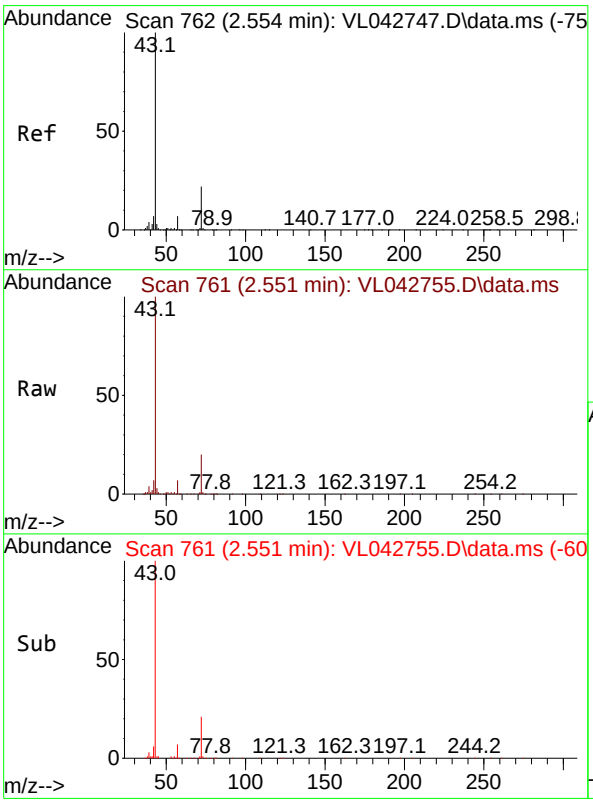
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:114 Resp: 421747

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.5	30.7
88	17.8	14.0	21.0

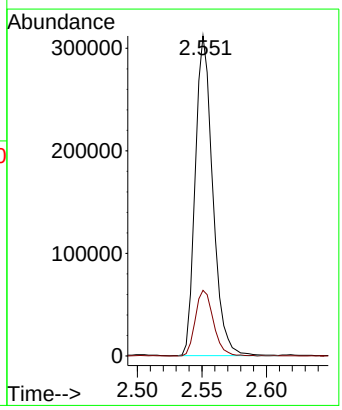


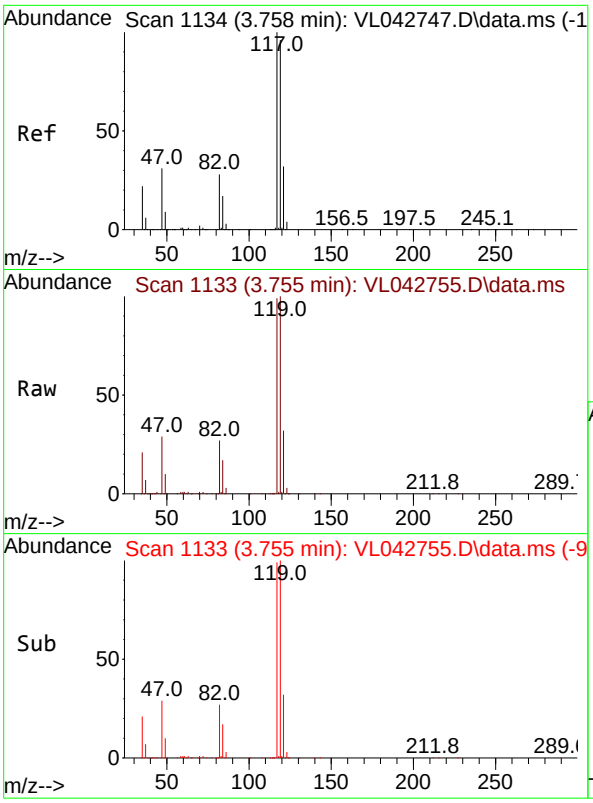


#34
2-Butanone
Concen: 9.869 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 294837

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.4	26.0



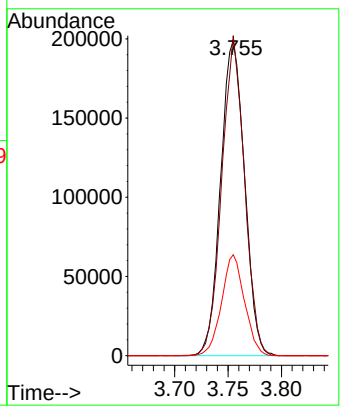


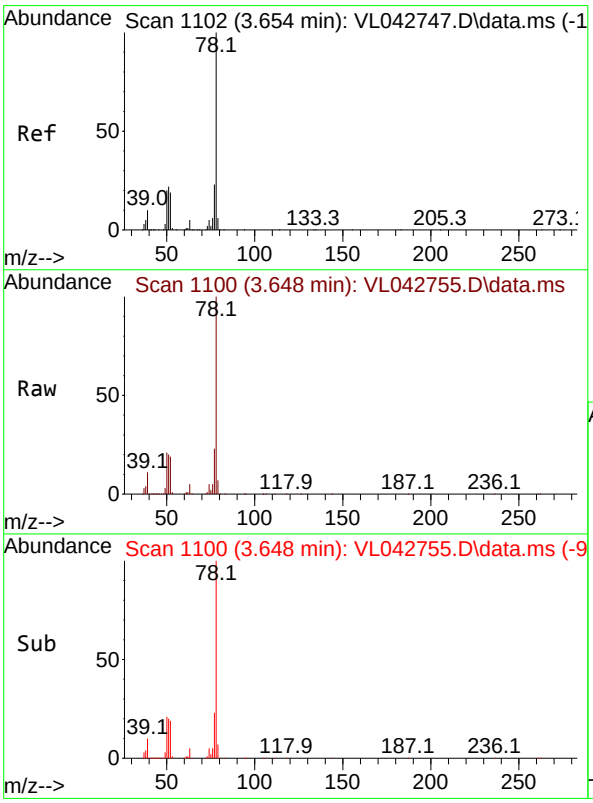
#35
Carbon Tetrachloride
Concen: 9.900 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:117 Resp: 310129

Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.1	115.7
121	32.0	25.5	38.3

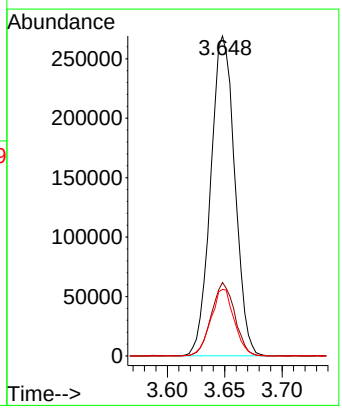


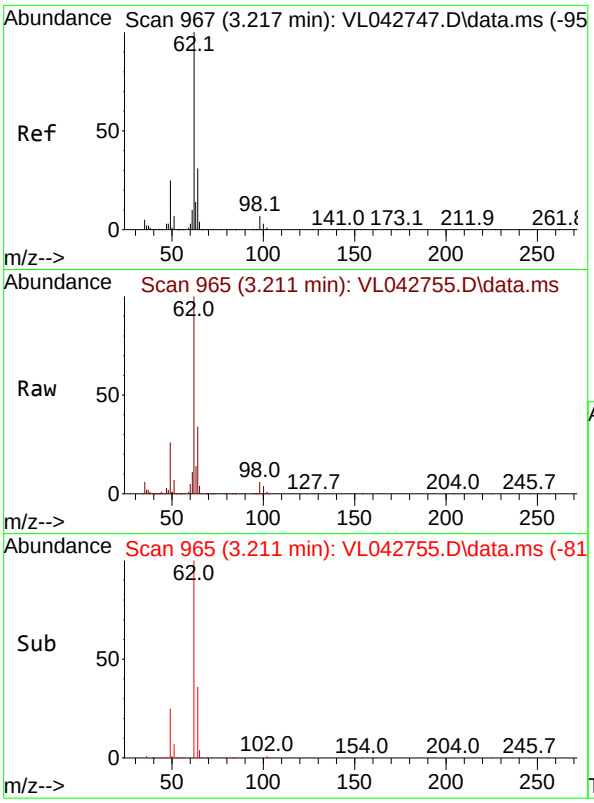


#36
Benzene
Concen: 9.834 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 78 Resp: 393085

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7
50	20.8	16.2	24.2



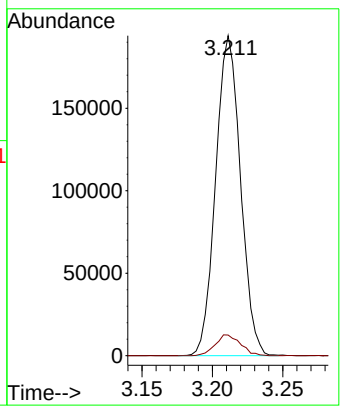


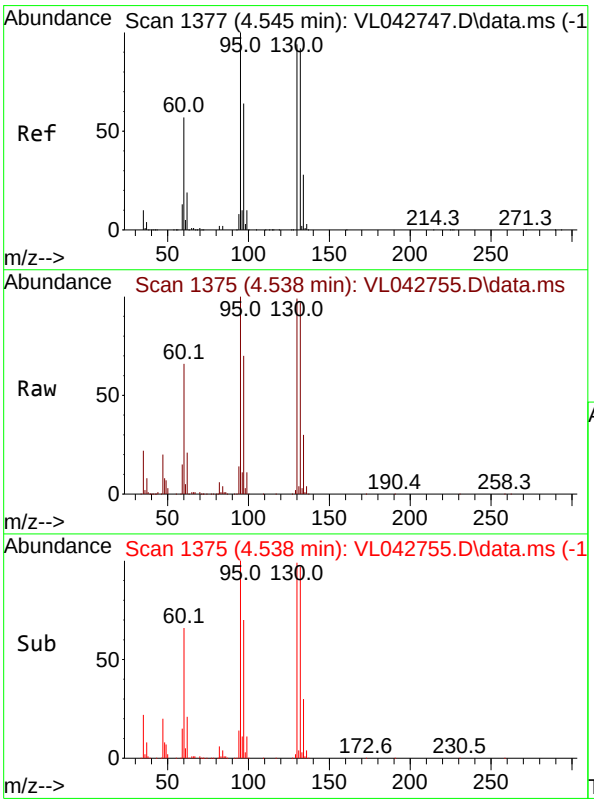
#37
1,2-Dichloroethane
Concen: 9.895 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 62 Resp: 238249

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.2	7.8

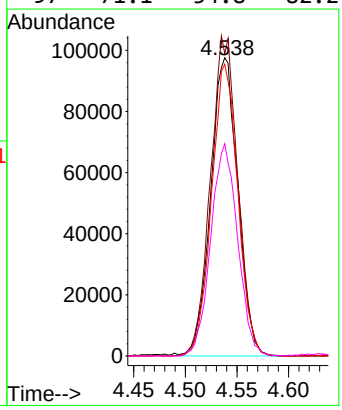


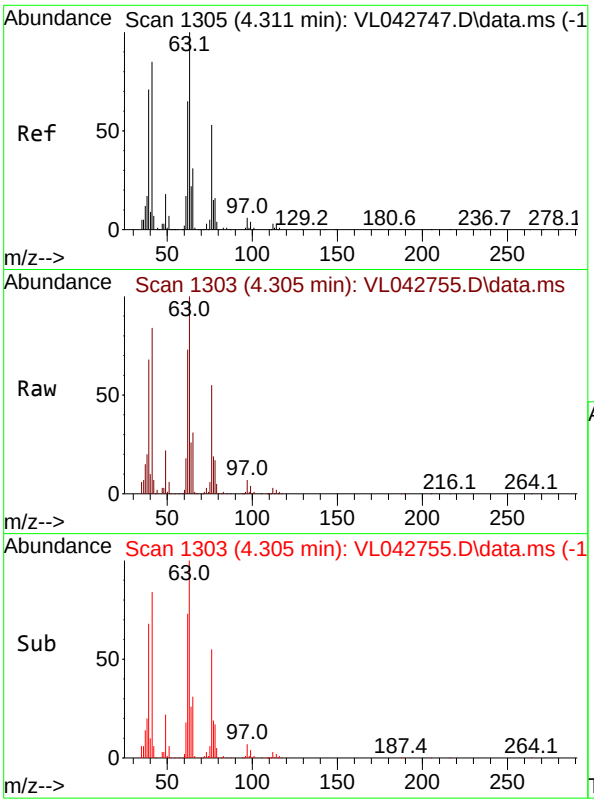


#38
Trichloroethene
Concen: 9.301 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:130 Resp: 178600

Ion	Ratio	Lower	Upper
130	100		
95	101.3	85.4	128.2
132	97.7	78.2	117.2
97	71.1	54.8	82.2



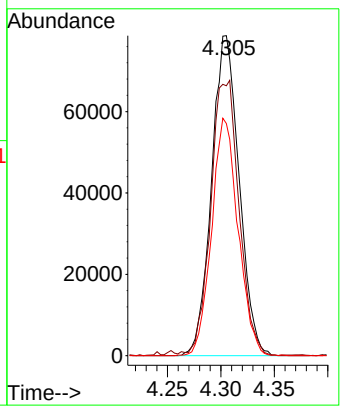


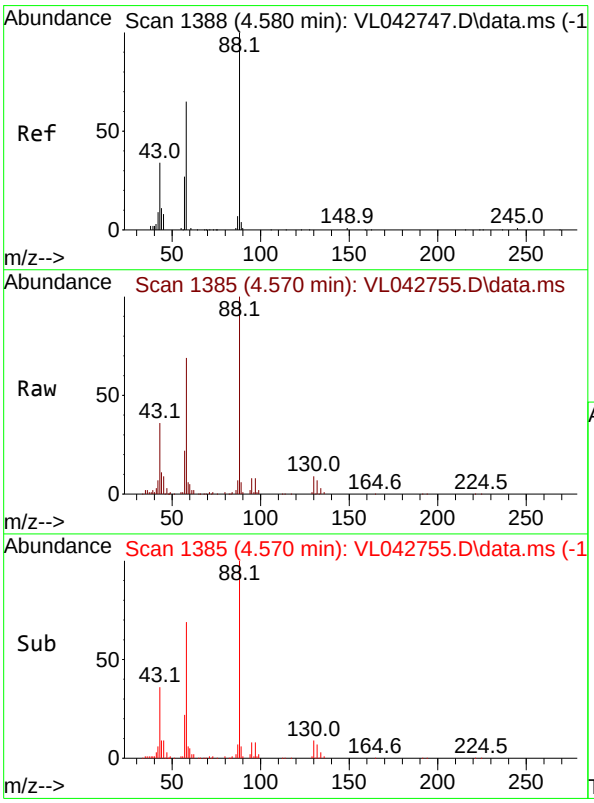
#39
1,2-Dichloropropane
Concen: 9.578 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 63 Resp: 141316

Ion	Ratio	Lower	Upper
63	100		
41	84.3	68.2	102.4
62	72.5	52.0	78.0

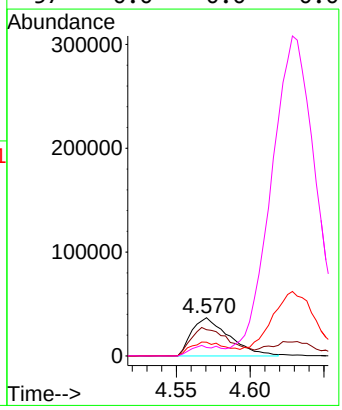


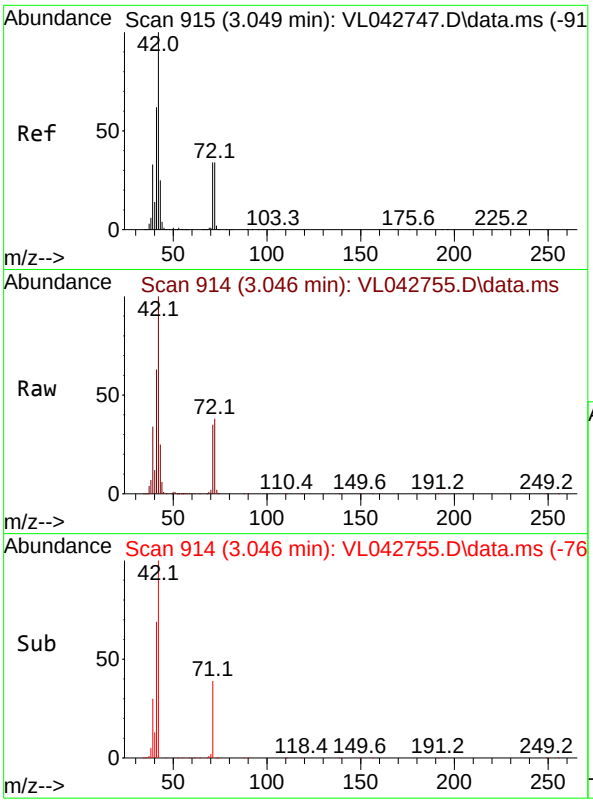


#40
1,4-Dioxane
Concen: 9.481 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 88 Resp: 65204

Ion	Ratio	Lower	Upper
88	100		
58	78.4	58.8	88.2
43	32.6	28.9	43.3
57	0.0	0.0	0.0



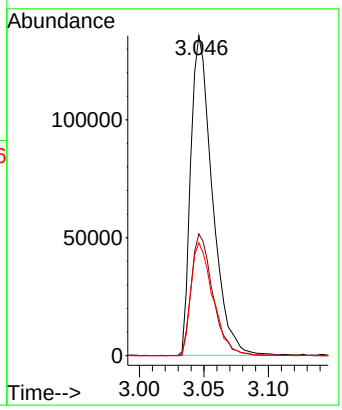


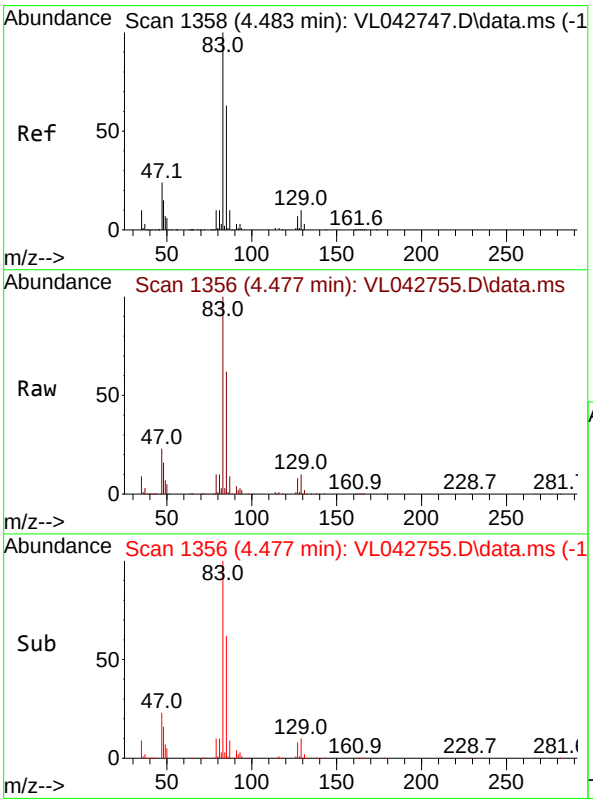
#41
Tetrahydrofuran
Concen: 10.404 ppbv
RT: 3.046 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 42 Resp: 158159

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.9	46.3
71	36.2	28.6	43.0

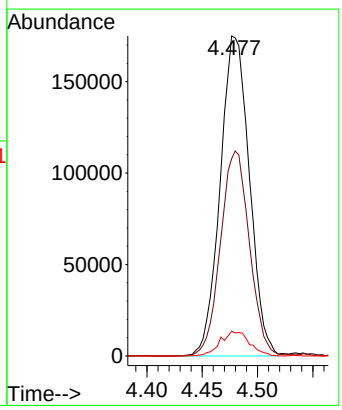


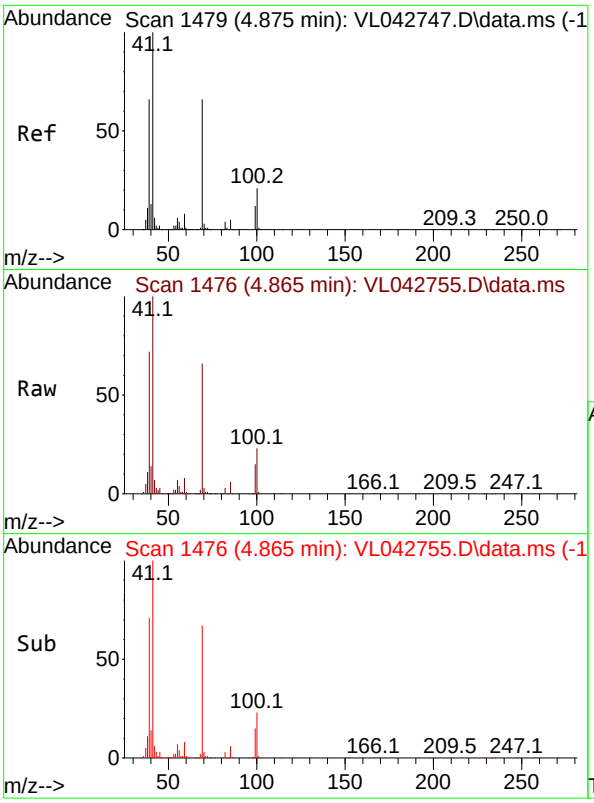


#42
Bromodichloromethane
Concen: 10.254 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 321549

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.4
127	7.7	5.4	8.2



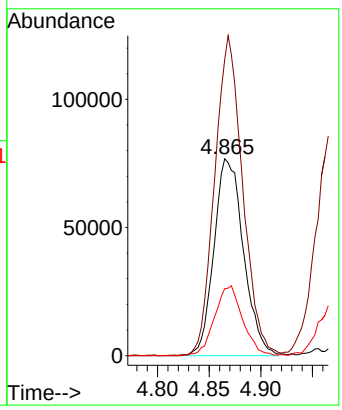


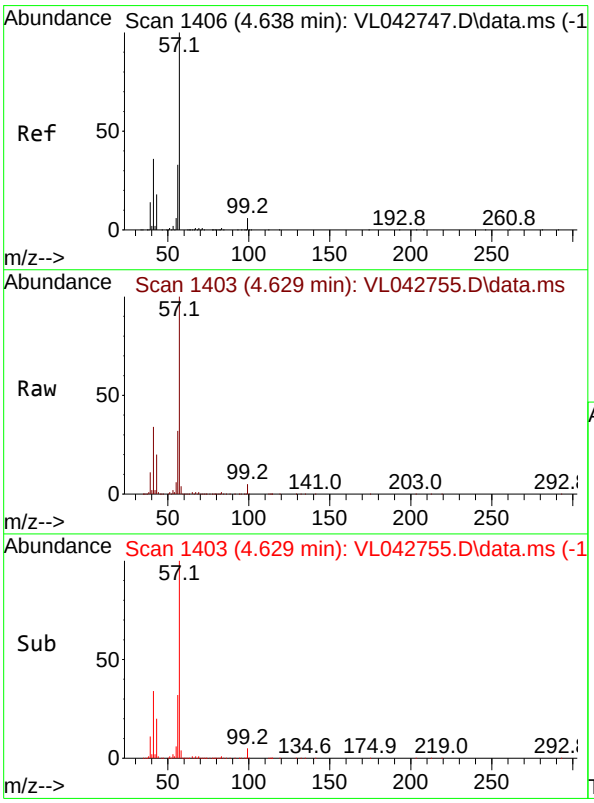
#43
Methyl Methacrylate
Concen: 10.738 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 69 Resp: 152551

Ion	Ratio	Lower	Upper
69	100		
41	153.9	125.7	188.5
100	33.9	28.6	42.8

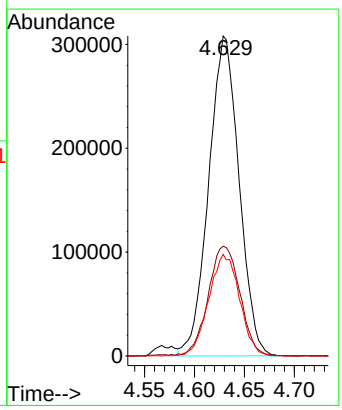


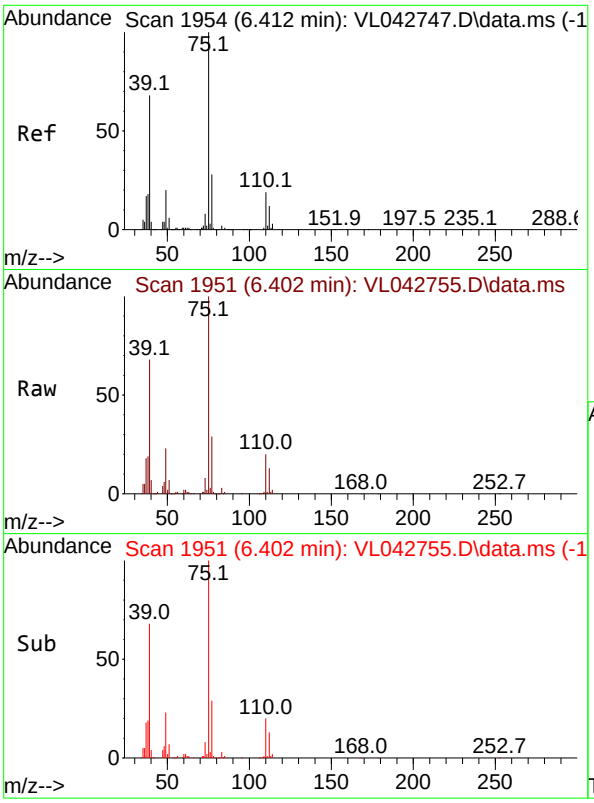


#44
2,2,4-Trimethylpentane
Concen: 9.973 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 649720

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.3	42.5
56	32.4	25.8	38.6



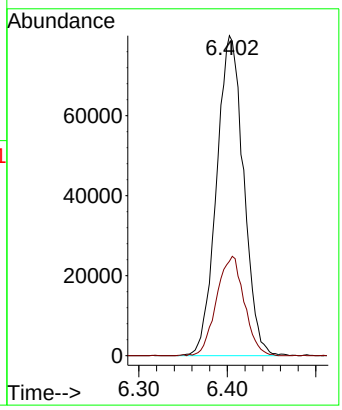


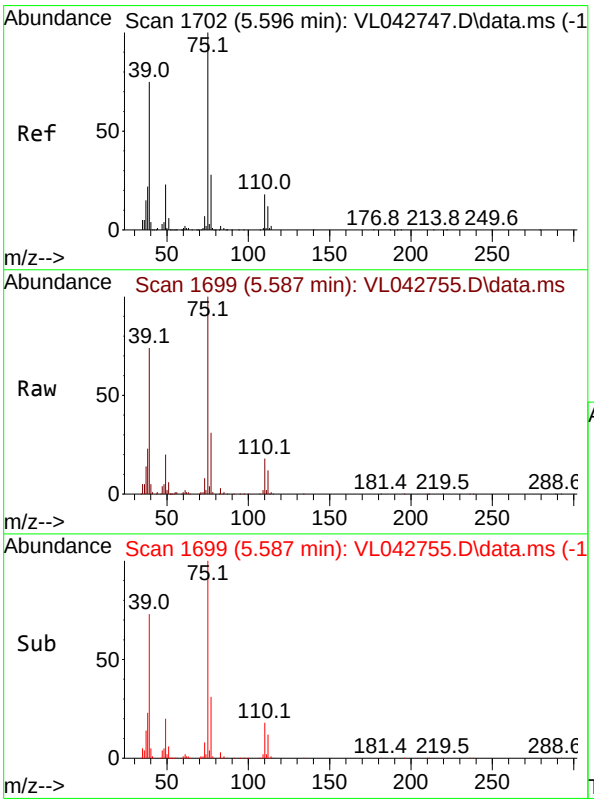
#45
t-1,3-Dichloropropene
Concen: 10.643 ppbv
RT: 6.402 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 75 Resp: 169563

Ion	Ratio	Lower	Upper
75	100		
77	29.5	22.4	33.6

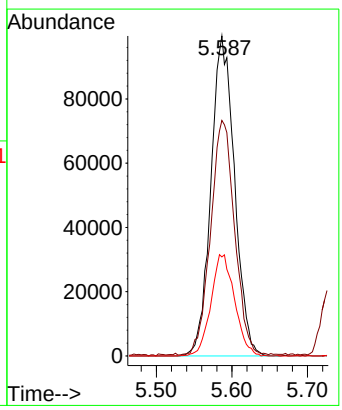


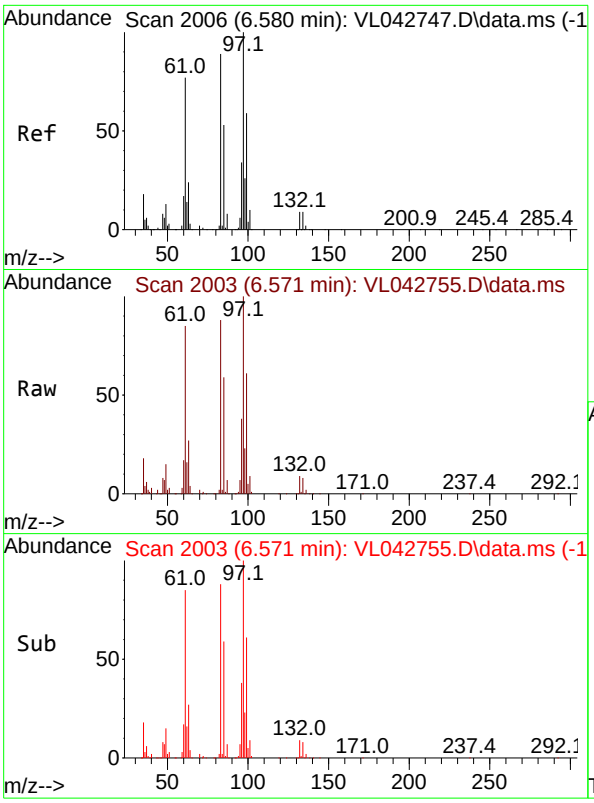


#46
cis-1,3-Dichloropropene
Concen: 10.679 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 215596

Ion	Ratio	Lower	Upper
75	100		
39	73.3	60.2	90.2
77	30.9	22.6	34.0



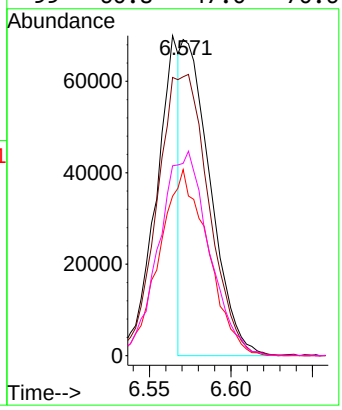


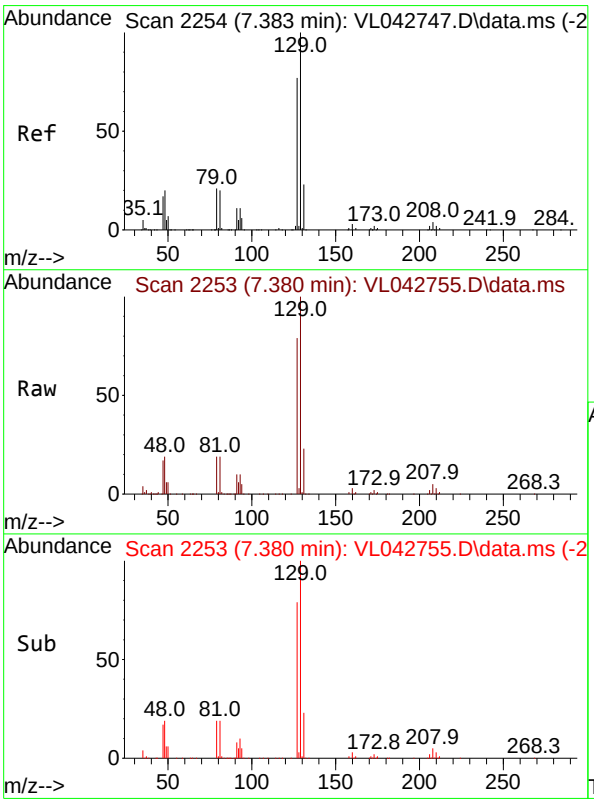
#47
1,1,2-Trichloroethane
Concen: 5.445 ppbv
RT: 6.571 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 97 Resp: 85637

Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.1	106.7
85	58.7	43.0	64.4
99	60.8	47.0	70.6

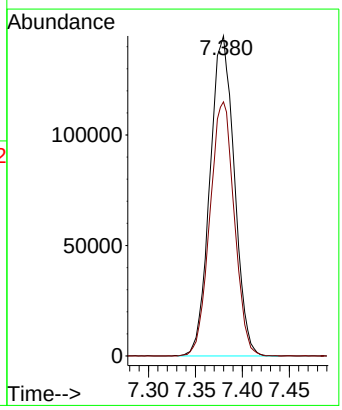


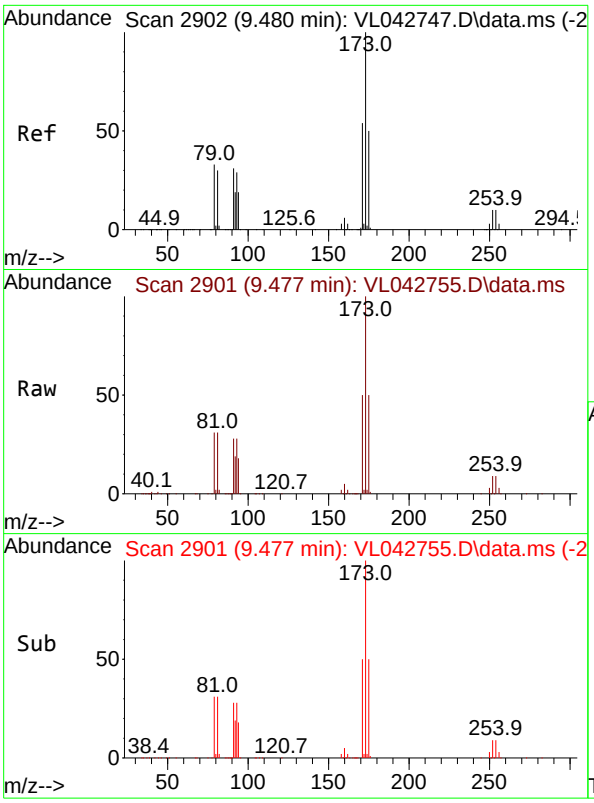


#48
Dibromochloromethane
Concen: 10.460 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:129 Resp: 261174

Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.7	116.1



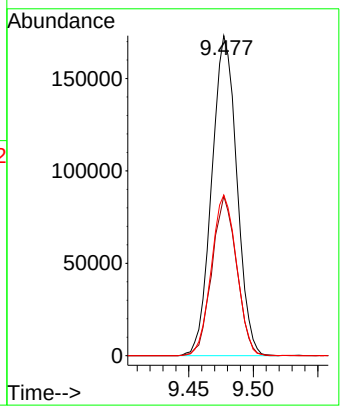


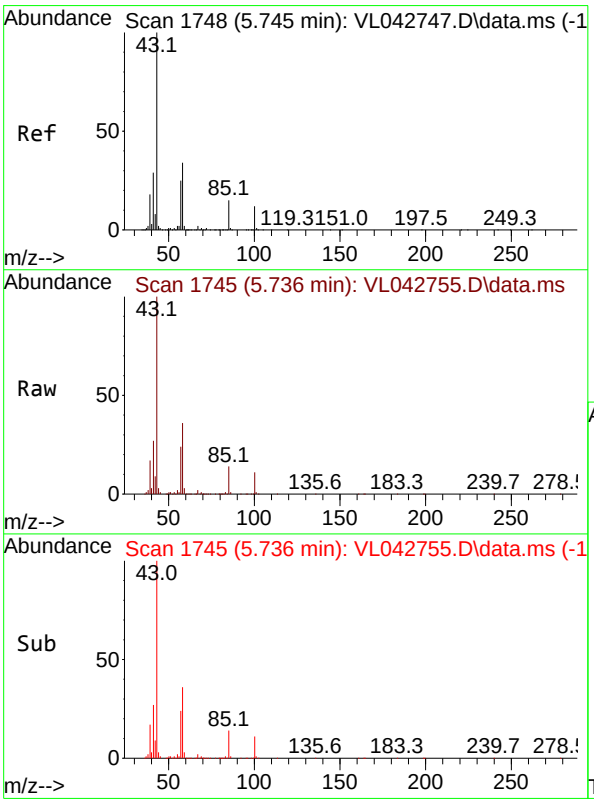
#49
Bromoform
Concen: 10.729 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:173 Resp: 233573

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.4	57.6
171	50.7	40.9	61.3

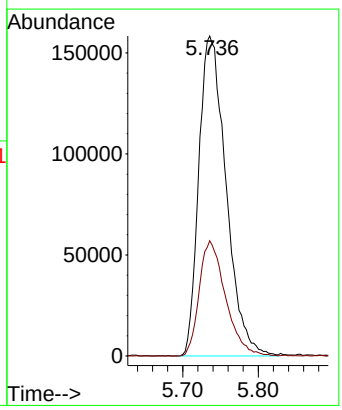


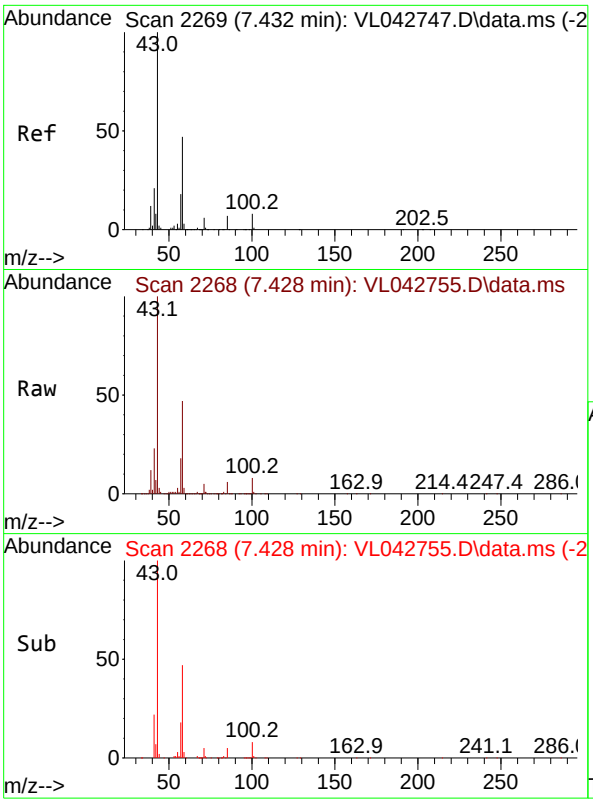


#50
4-Methyl-2-Pentanone
Concen: 10.303 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 396506

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8



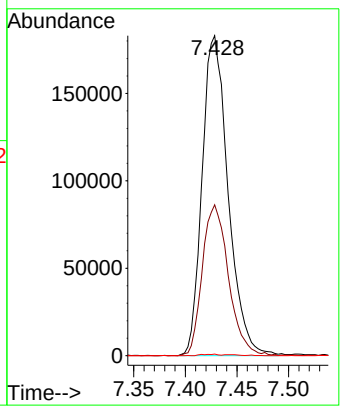


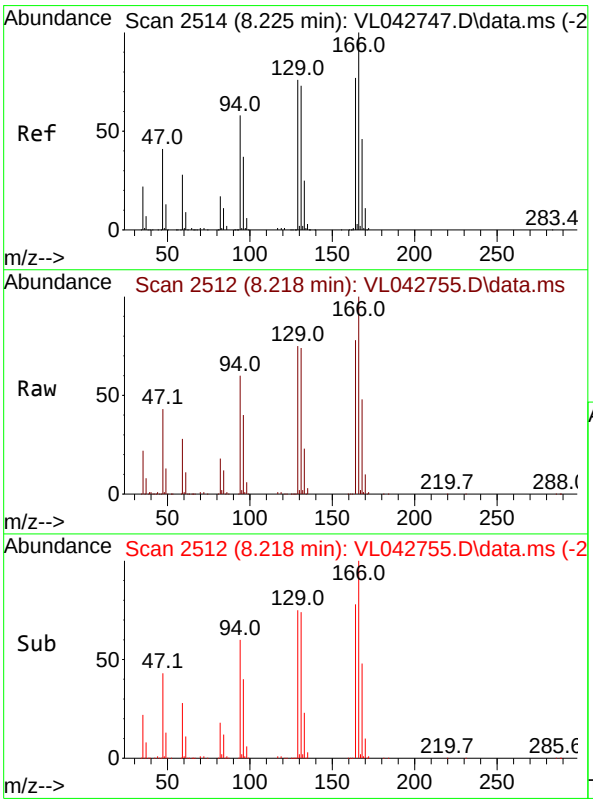
#51
2-Hexanone
Concen: 11.029 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 320740

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.0	57.0
98	0.5	0.2	0.4#

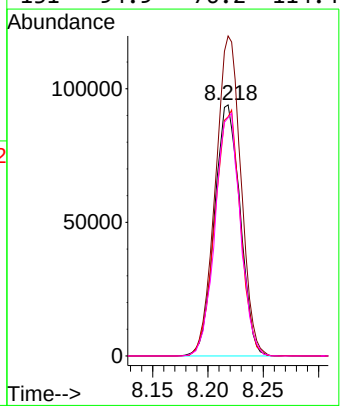


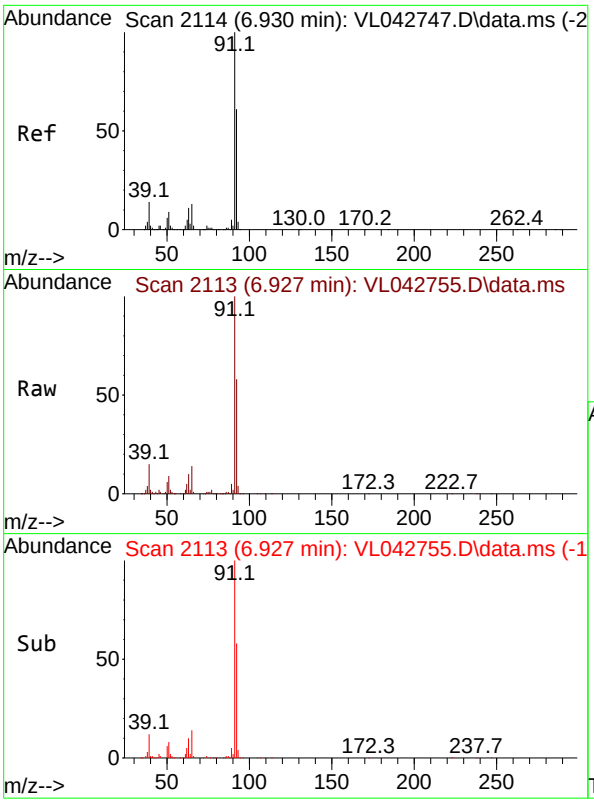


#52
Tetrachloroethene
Concen: 9.163 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:164 Resp: 151810

Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.0	156.0
129	95.3	79.2	118.8
131	94.9	76.2	114.4



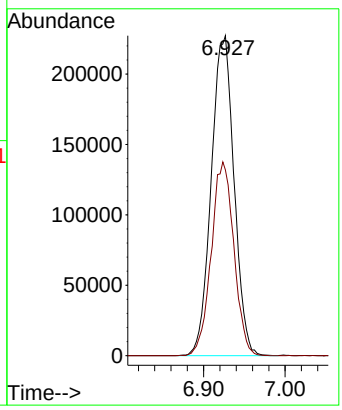


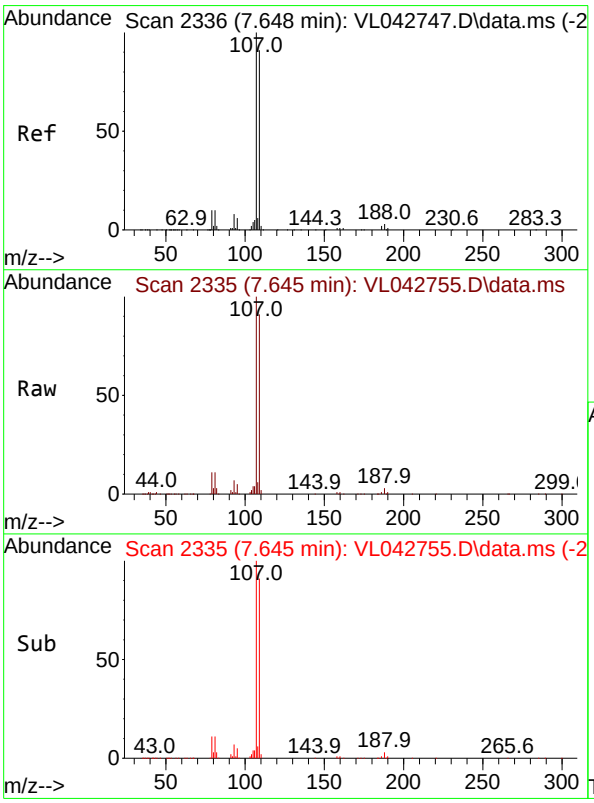
#53
Toluene
Concen: 10.294 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 91 Resp: 441829

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.0	72.0

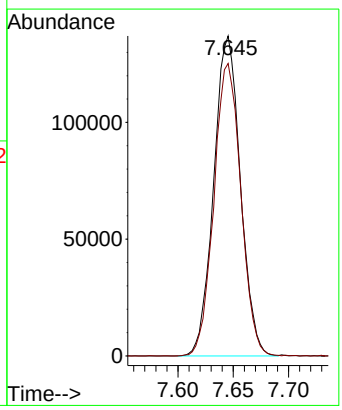


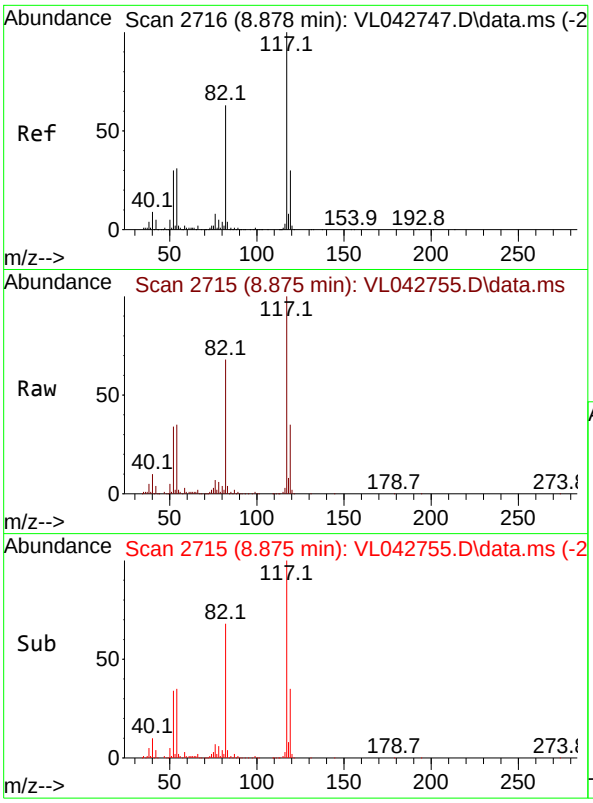


#54
1,2-Dibromoethane
Concen: 10.331 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:107 Resp: 229563

Ion	Ratio	Lower	Upper
107	100		
109	91.3	72.7	109.1



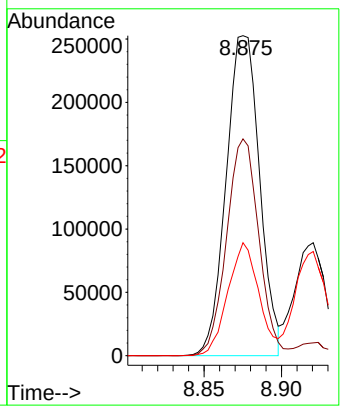


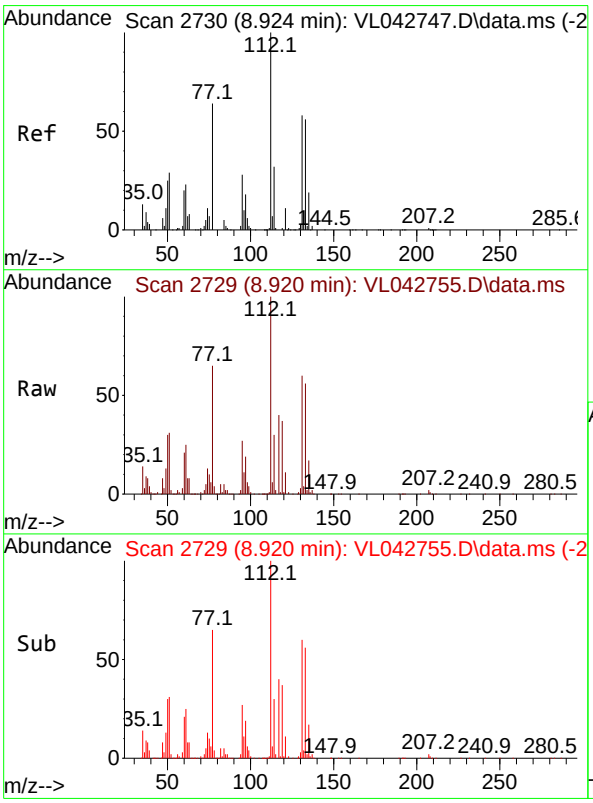
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:117 Resp: 380539

Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.3	79.9
119	33.0	25.8	38.6

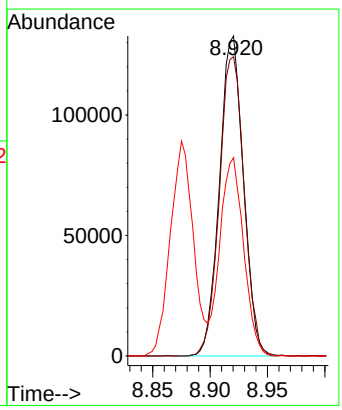


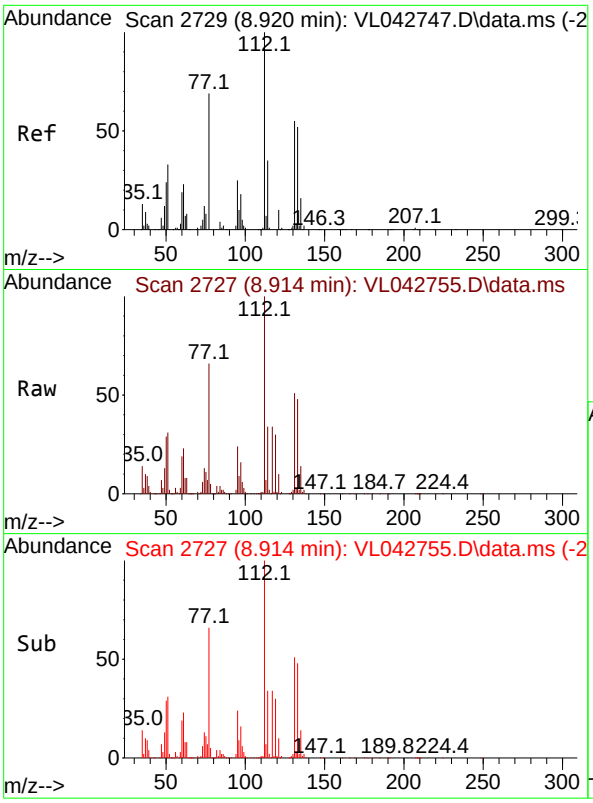


#56
1,1,1,2-Tetrachloroethane
Concen: 9.759 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:131 Resp: 193089

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.8	115.2
119	61.2	49.7	74.5



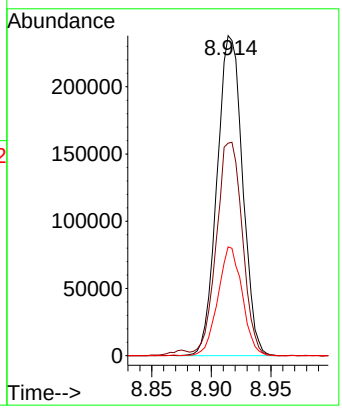


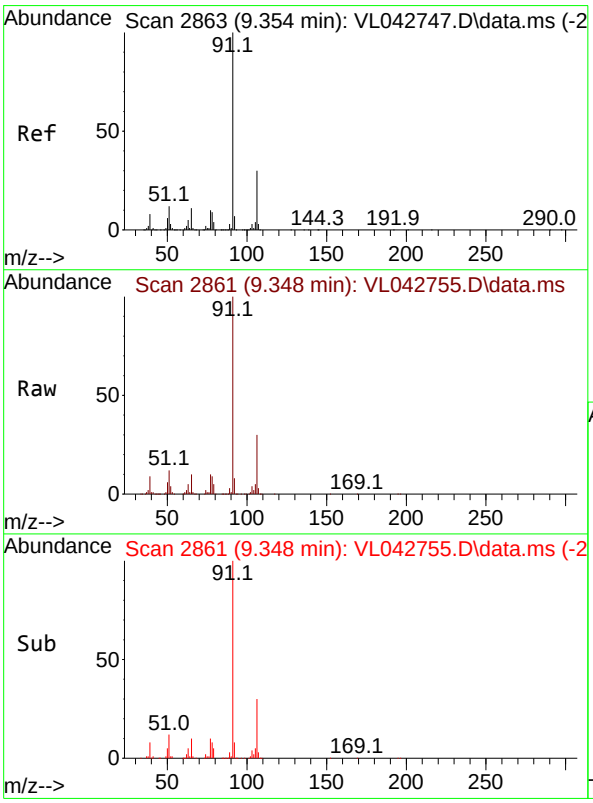
#57
Chlorobenzene
Concen: 9.623 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:112 Resp: 354412

Ion	Ratio	Lower	Upper
112	100		
77	66.4	56.4	84.6
114	34.0	31.2	38.2

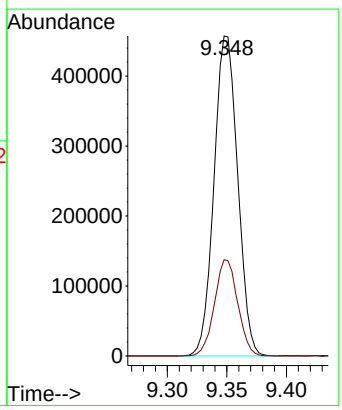


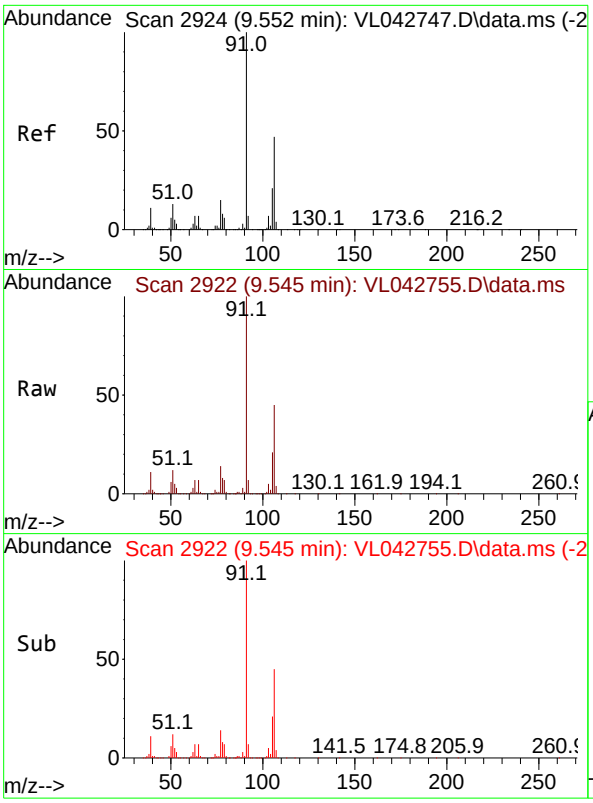


#58
Ethyl Benzene
Concen: 10.504 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 631247

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.6



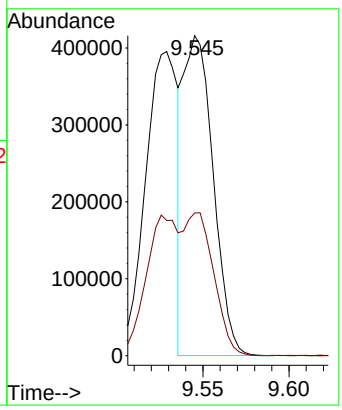


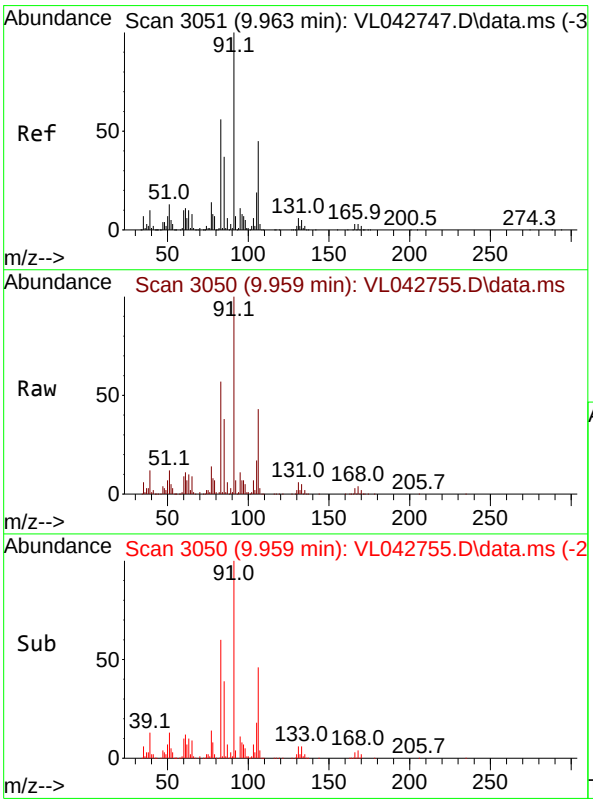
#59
m/p-Xylene
Concen: 10.418 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 91 Resp: 500367

Ion	Ratio	Lower	Upper
91	100		
106	92.3	37.4	56.2#

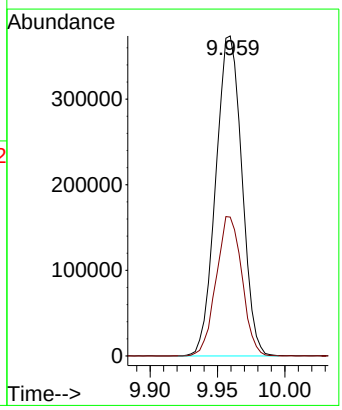


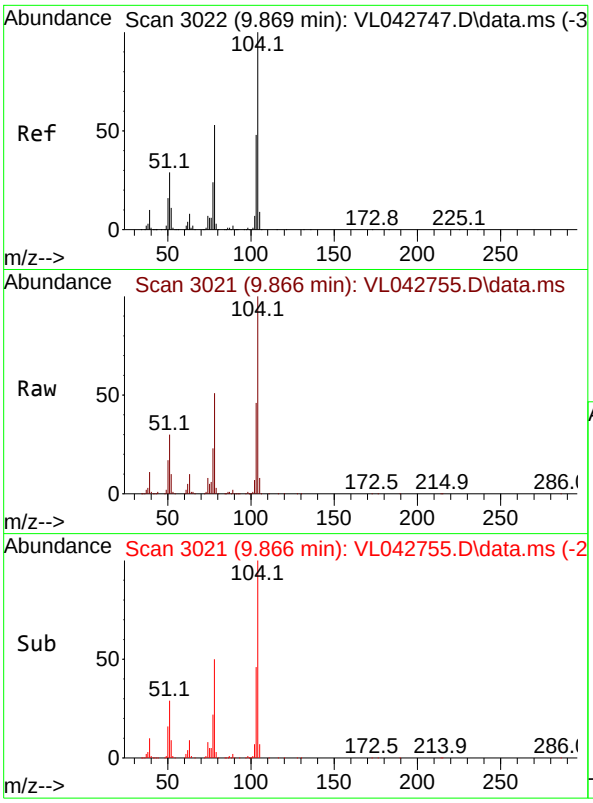


#60
o-Xylene
Concen: 10.499 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 503849

Ion	Ratio	Lower	Upper
91	100		
106	43.1	22.0	66.0



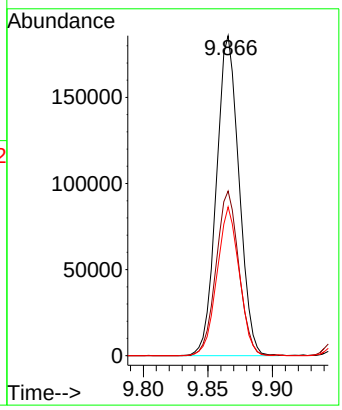


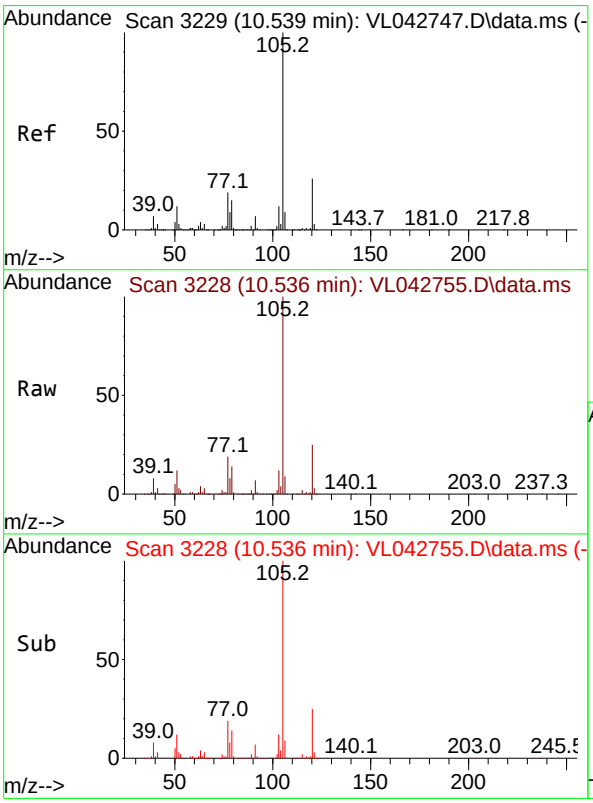
#61
Styrene
Concen: 11.185 ppbv
RT: 9.866 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:104 Resp: 225799

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.5	62.3
103	46.0	37.5	56.3

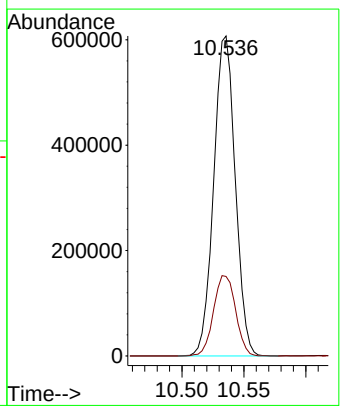


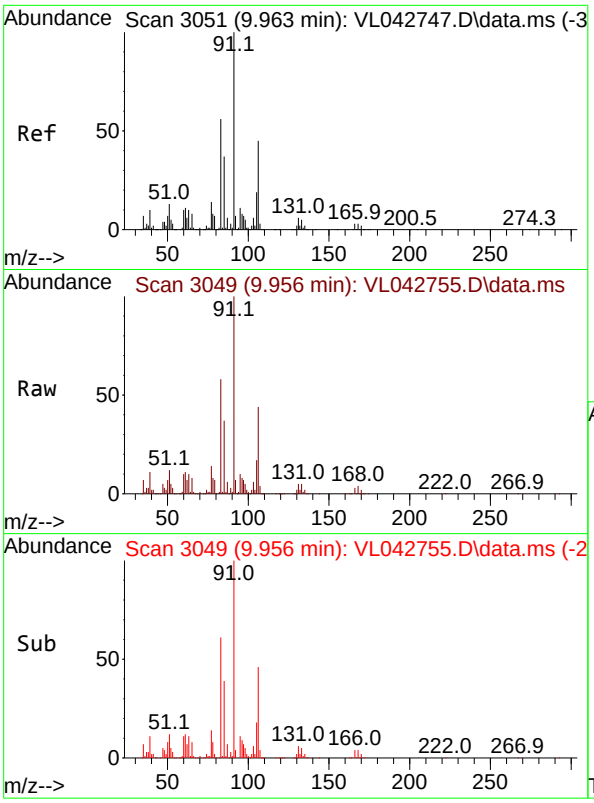


#62
Isopropylbenzene
Concen: 10.398 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 736044

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7



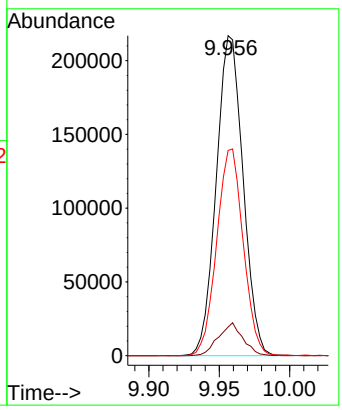


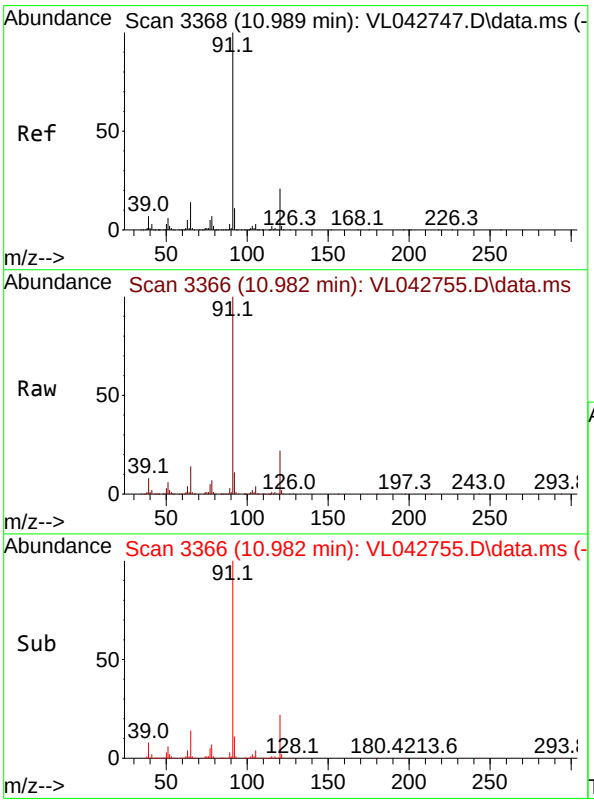
#63
1,1,2,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 83 Resp: 287775

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	15.0
85	64.0	32.6	97.7

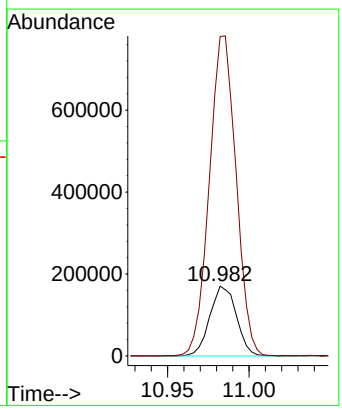


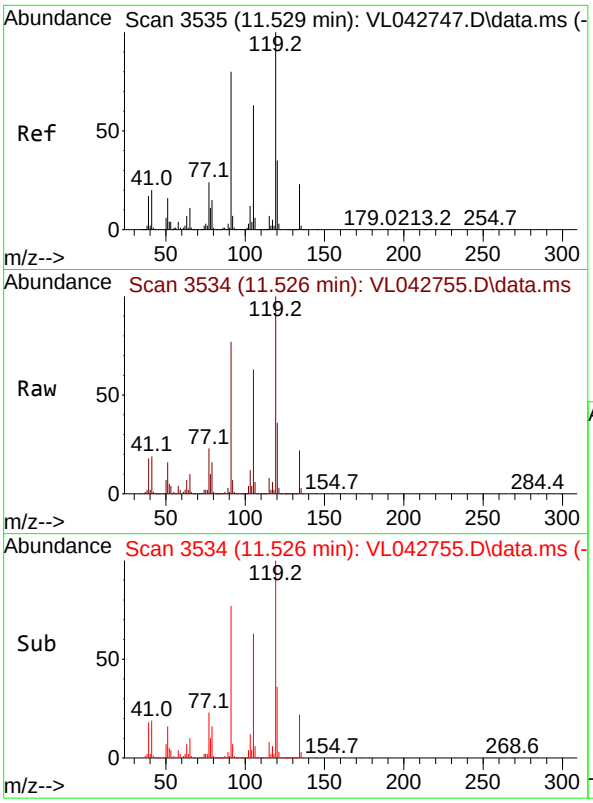


#64
n-propylbenzene
Concen: 10.460 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:120 Resp: 193034

Ion	Ratio	Lower	Upper
120	100		
91	461.7	372.7	559.1



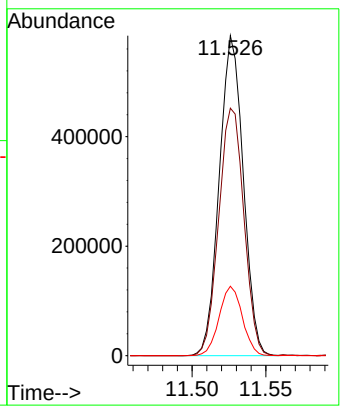


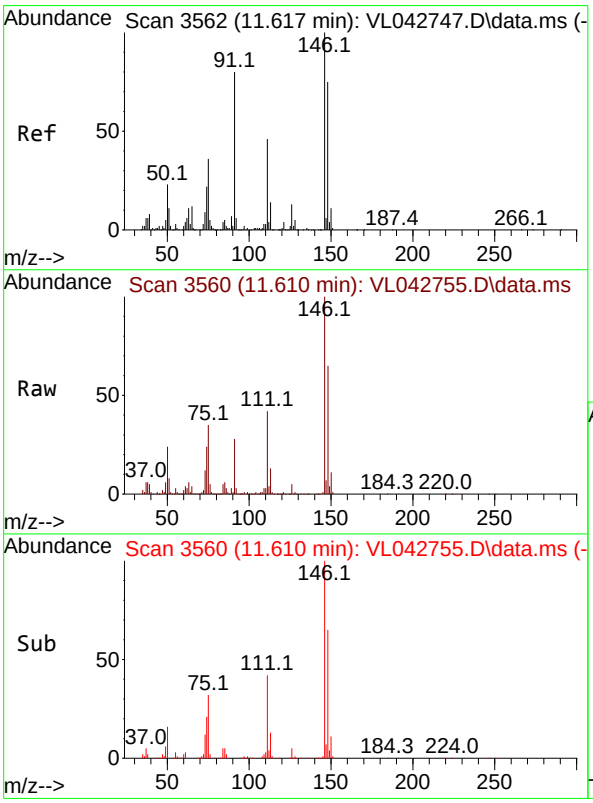
#65
tert-Butylbenzene
Concen: 10.512 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:119 Resp: 660966

Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.0	96.0
134	21.1	17.3	25.9

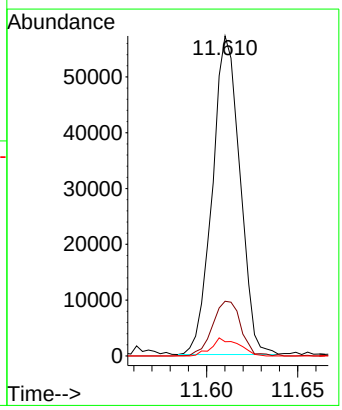


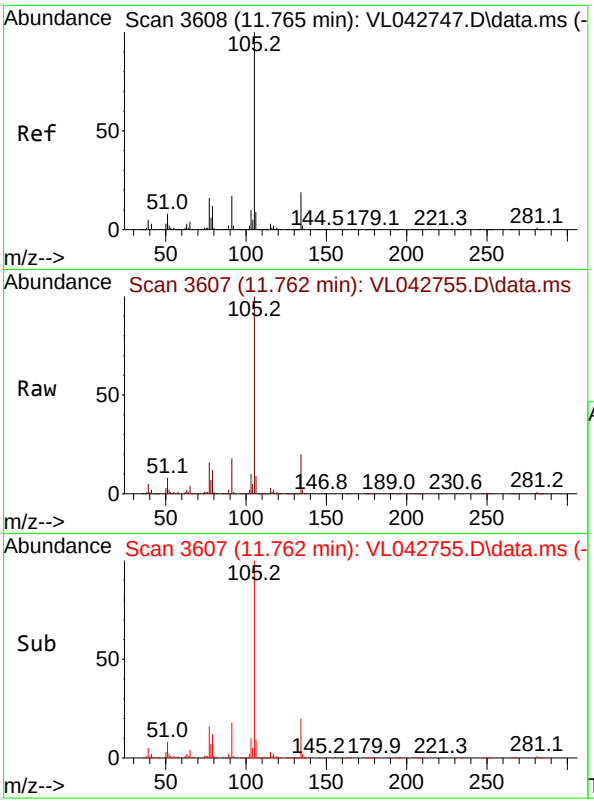


#66
Benzyl Chloride
Concen: 11.634 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 60055

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.4	21.6
128	5.6	5.2	7.8



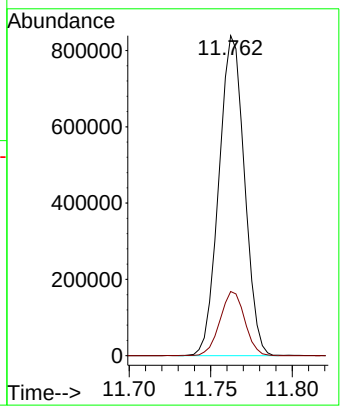


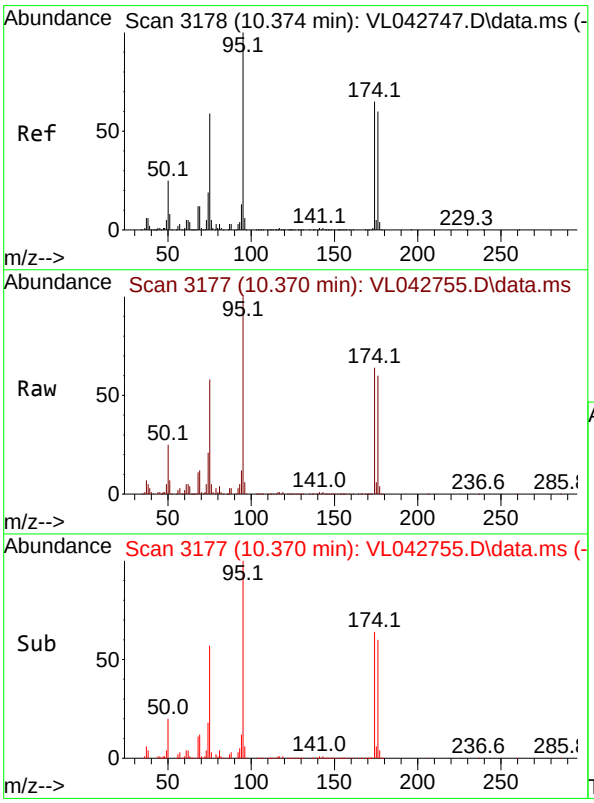
#67
sec-Butylbenzene
Concen: 10.221 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:105 Resp: 914046

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3

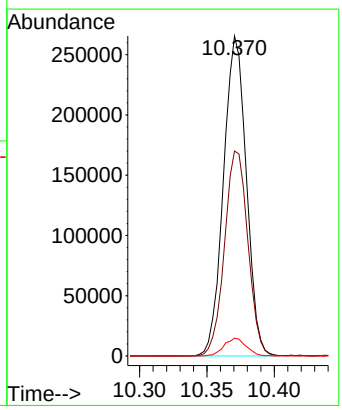


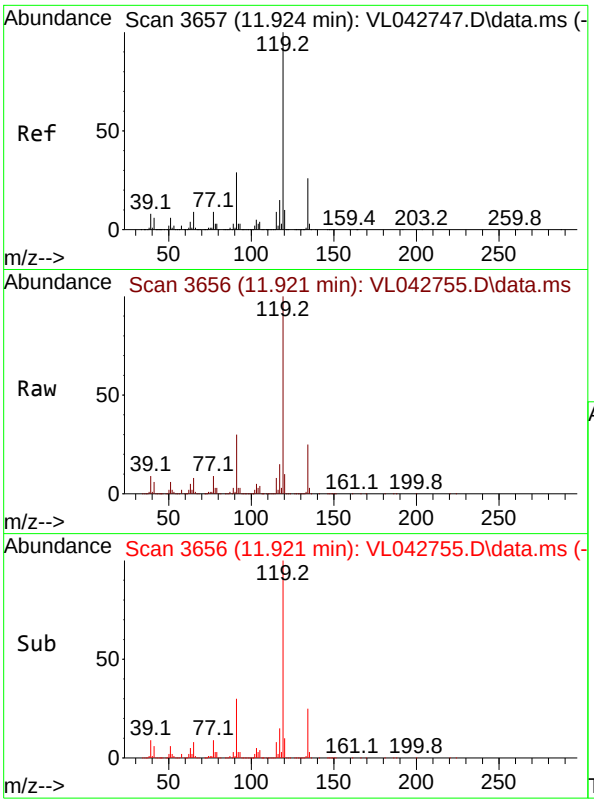


#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 95 Resp: 313324

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.4	4.0	6.0



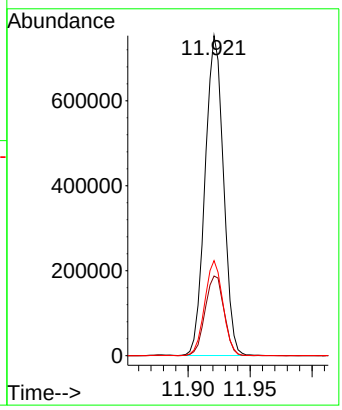


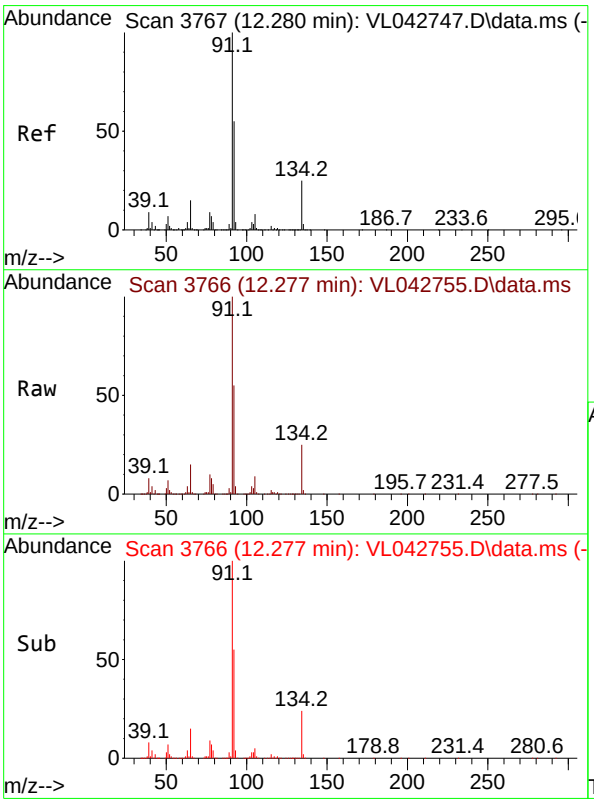
#69
p-Isopropyltoluene
Concen: 10.677 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:119 Resp: 778601

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	29.5	23.2	34.8

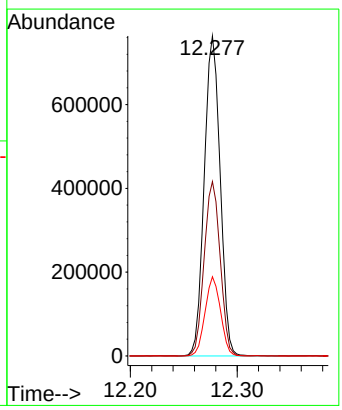


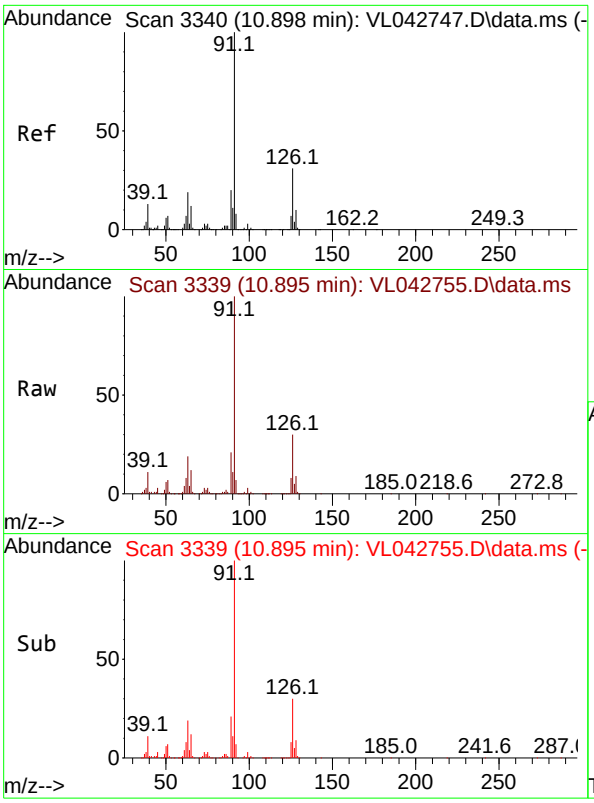


#70
n-Butylbenzene
Concen: 11.197 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 788734

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.4	65.2
134	24.1	19.6	29.4



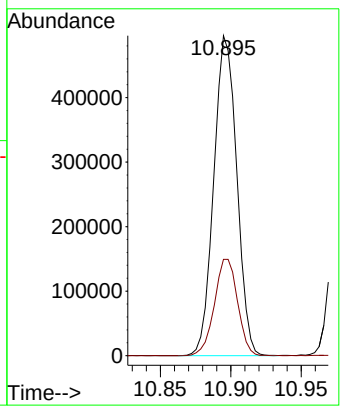


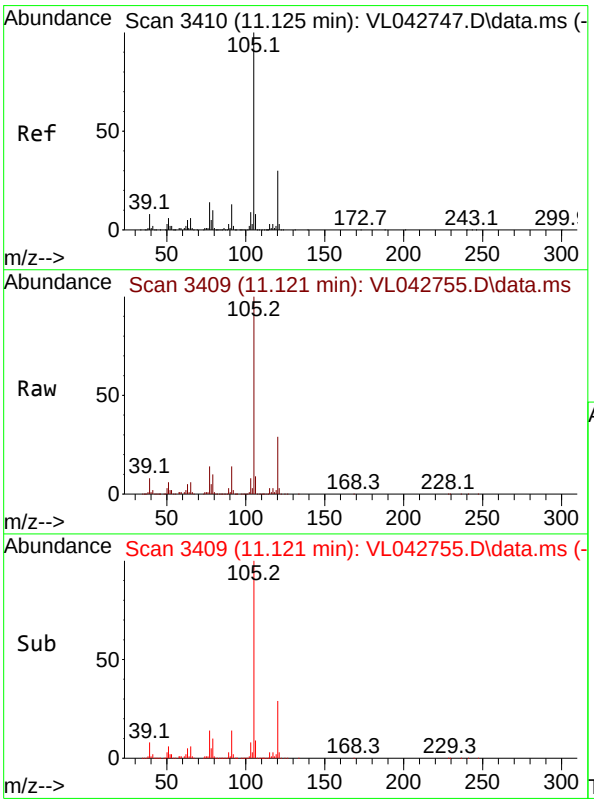
#71
2-Chlorotoluene
Concen: 10.376 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 91 Resp: 563193

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	48.2

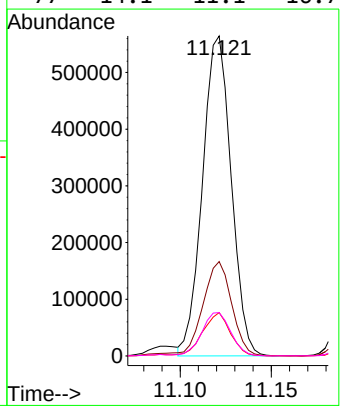


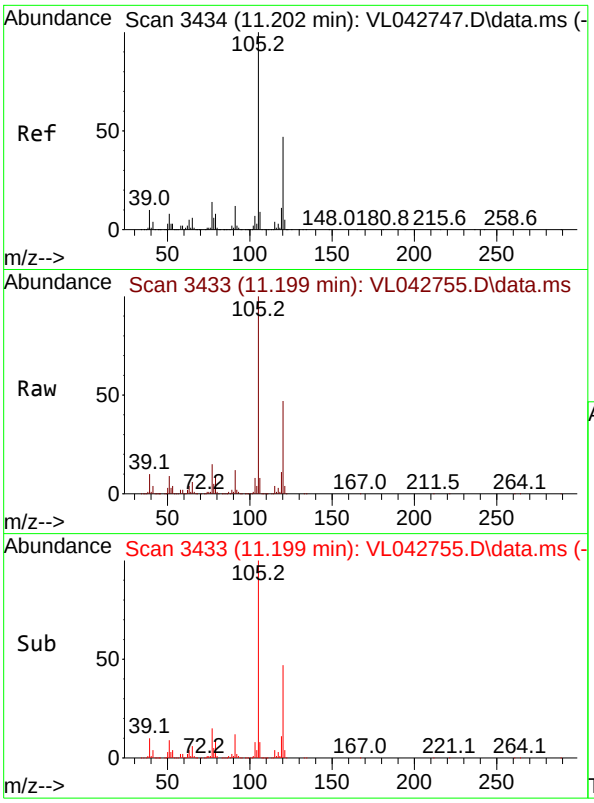


#72
4-Ethyltoluene
Concen: 10.772 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 617355

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.4	36.6
91	13.4	10.6	15.8
77	14.1	11.1	16.7



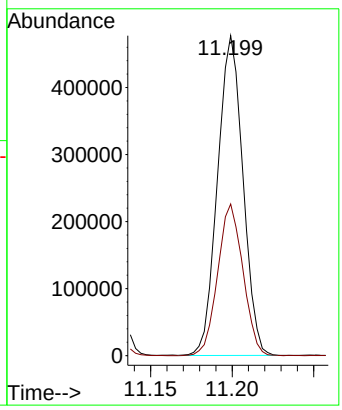


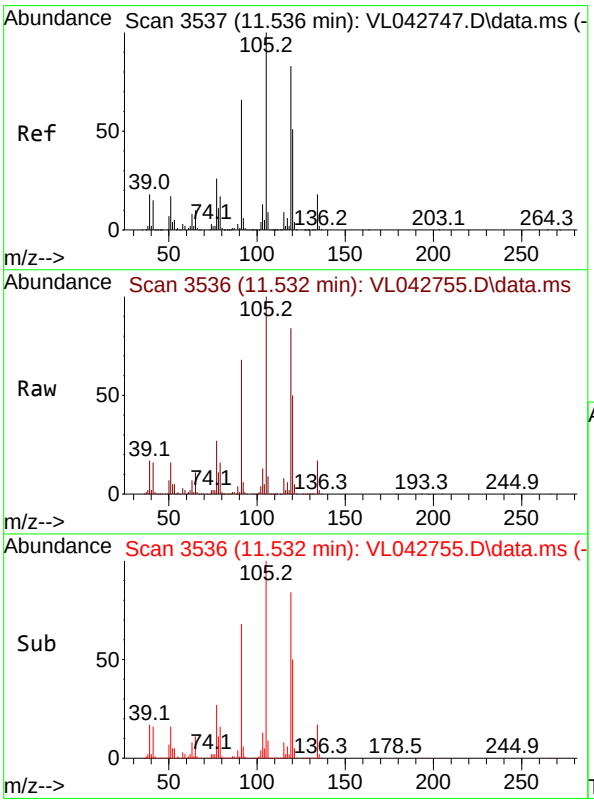
#73
1,3,5-Trimethylbenzene
Concen: 10.951 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:105 Resp: 516735

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.8	56.8

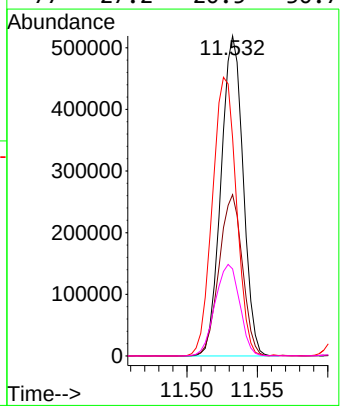


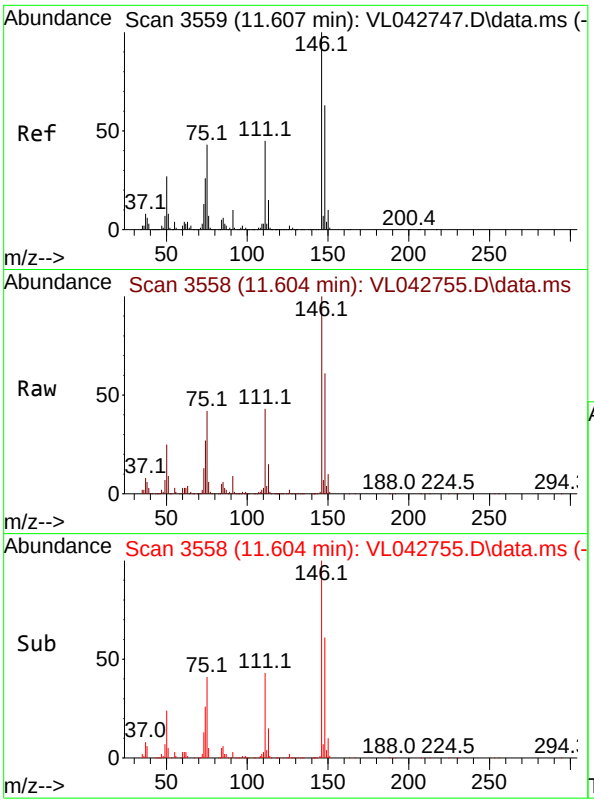


#74
1,2,4-Trimethylbenzene
Concen: 11.017 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 567186

Ion	Ratio	Lower	Upper
105	100		
120	50.4	40.8	61.2
91	68.1	53.0	79.4
77	27.2	20.5	30.7



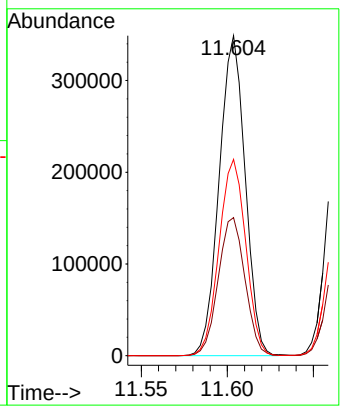


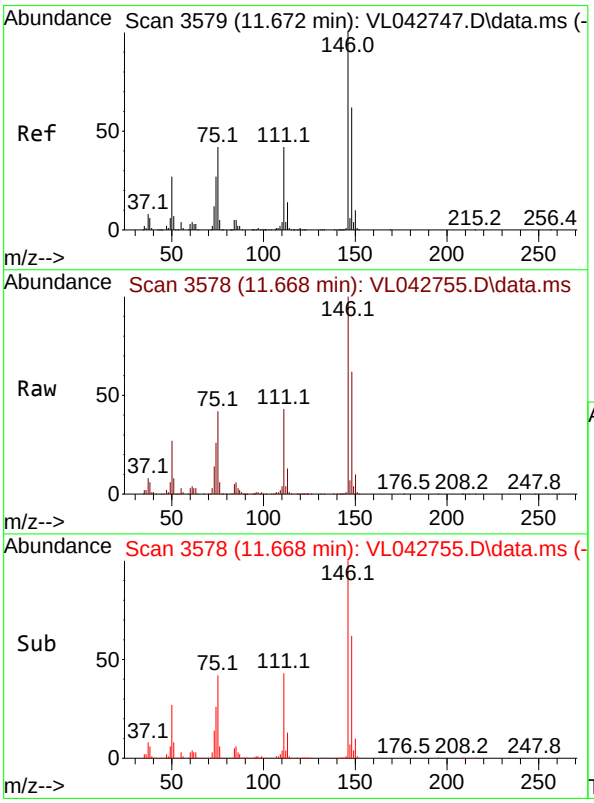
#75
1,3-Dichlorobenzene
Concen: 10.165 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:146 Resp: 366855

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.7	68.0
148	63.1	31.9	95.5

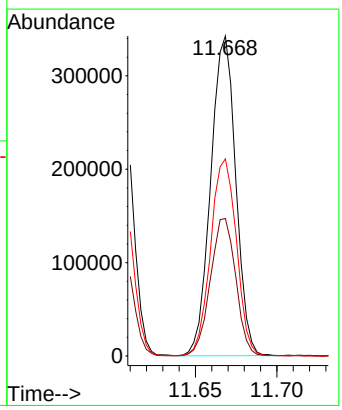


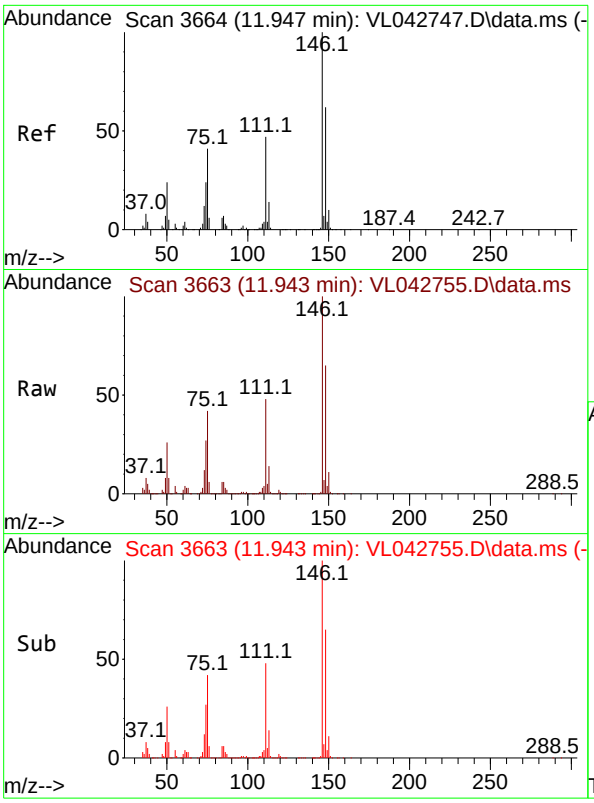


#76
1,4-Dichlorobenzene
Concen: 10.333 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 364937

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.2
148	63.8	32.1	96.3



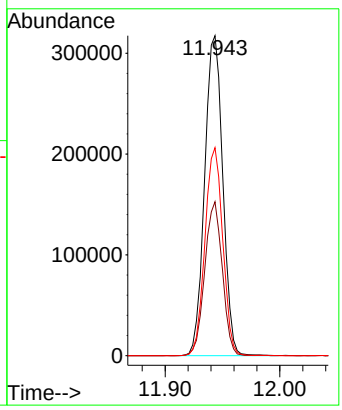


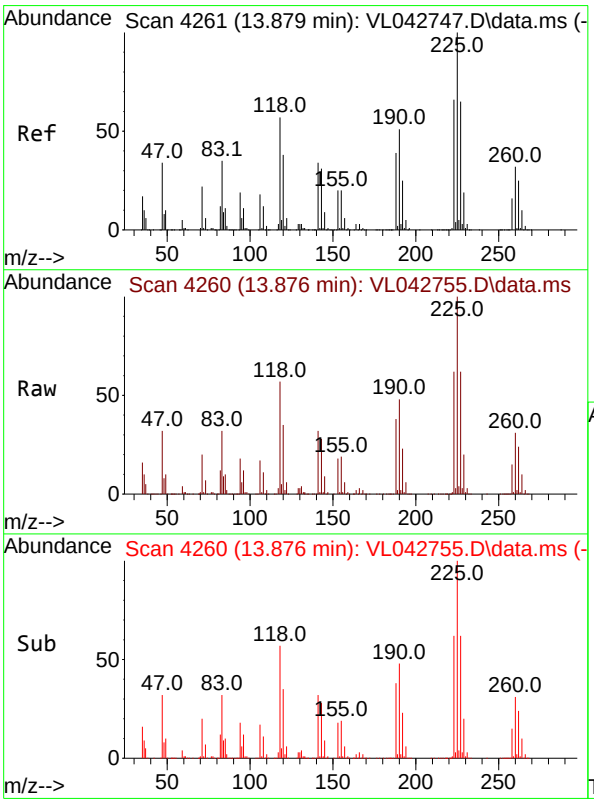
#77
1,2-Dichlorobenzene
Concen: 9.839 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:146 Resp: 348999

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.7	71.1
148	63.8	32.6	97.7

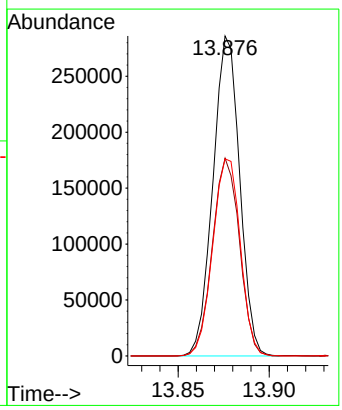


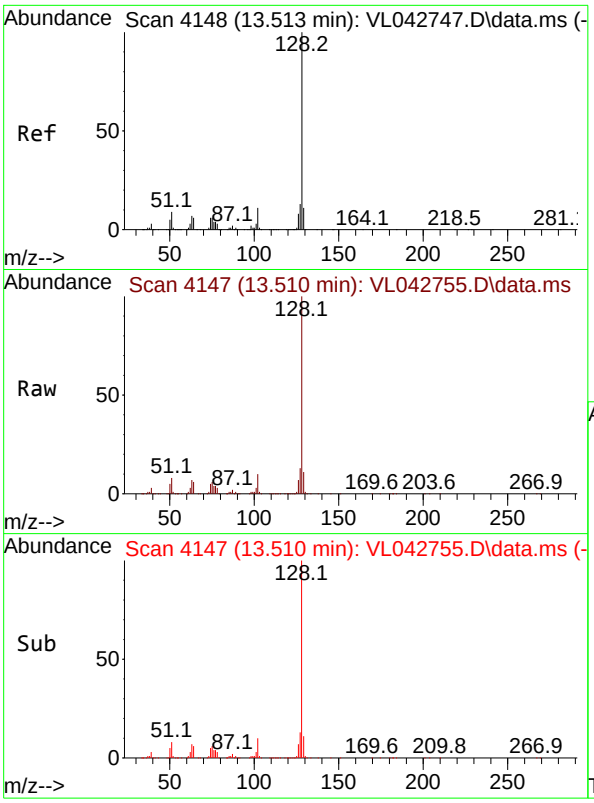


#78
Hexachloro-1,3-Butadiene
Concen: 9.091 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:225 Resp: 291861

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.5	50.5	75.7



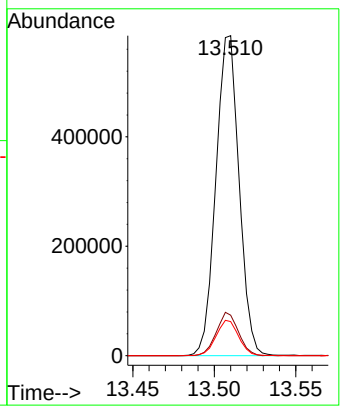


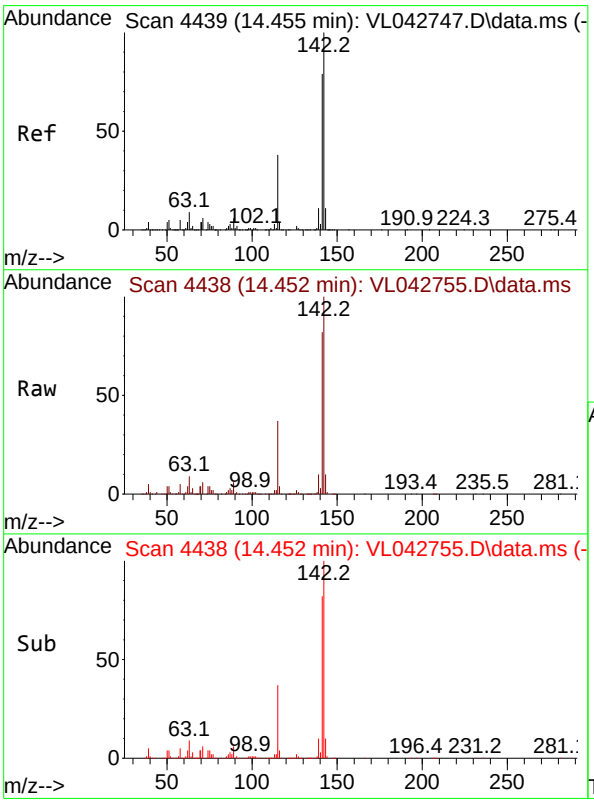
#79
Naphthalene
Concen: 10.342 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:128 Resp: 578563

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.6	8.6	13.0

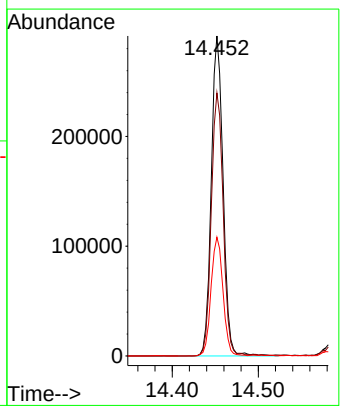


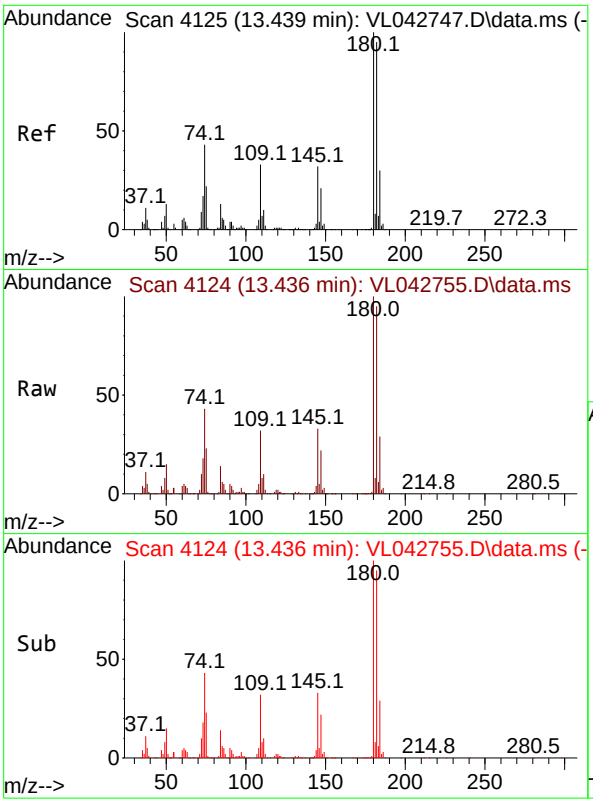


#80
Naphthalene,2-methyl-
Concen: 9.951 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:142 Resp: 277798

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.8
115	38.2	31.2	46.8



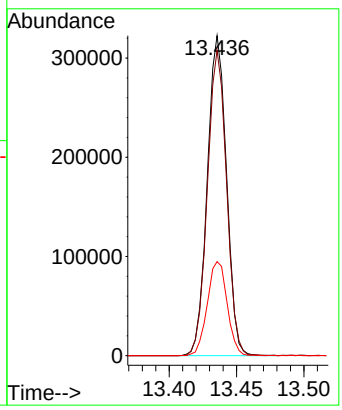


#81
1,2,4-Trichlorobenzene
Concen: 10.181 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion:180 Resp: 319897

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
184	30.5	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	147950	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	427210	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	383056	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	311165	10.257	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	187566	9.589	ppbv	99
3) Chlorodifluoromethane	1.476	51	244317	9.588	ppbv	98
4) Chloromethane	1.531	50	74335	9.393	ppbv	95
5) Vinyl Chloride	1.580	62	65064	8.321	ppbv	99
6) Bromomethane	1.667	94	28685	9.490	ppbv	92
7) Chloroethane	1.703	64	27550	9.119	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	150238	9.339	ppbv	97
9) Propene	1.483	41	87903	9.491	ppbv	96
10) Heptane	4.978	43	249314	9.984	ppbv	98
11) Trichlorofluoromethane	1.878	101	193823	9.612	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	148112	9.666	ppbv	98
13) Ethanol	1.719	45	7492	9.958	ppbv	92
14) Bromoethene	1.781	108	52933	9.757	ppbv	99
15) Acetone	1.836	43	156375	7.654	ppbv	98
16) 1,3-Butadiene	1.609	39	79550	9.129	ppbv	98
17) tert-Butyl alcohol	2.040	59	176200	9.563	ppbv	99
18) 1,1-Dichloroethene	2.033	96	63402	9.158	ppbv	91
19) Isopropyl Alcohol	1.884	45	98884	9.108	ppbv #	40
20) Methylene Chloride	2.062	84	55642	8.643	ppbv	92
21) Allyl Chloride	2.095	41	123118	9.778	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	71805	9.641	ppbv	96
23) Vinyl Acetate	2.460	43	254582	10.279	ppbv	99
24) 1,1-Dichloroethane	2.409	63	144940	9.481	ppbv	98
25) Ethyl Acetate	2.833	43	440225	9.735	ppbv	99
26) Hexane	2.826	57	191695	9.663	ppbv	99
27) Carbon Disulfide	2.150	76	171134	10.077	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	84661	9.034	ppbv	97
29) Chloroform	2.849	83	296376	9.669	ppbv	99
30) Cyclohexane	3.859	84	163787	9.735	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	199128	9.769	ppbv	95
32) 1,1,1-Trichloroethane	3.367	97	297466	9.316	ppbv	99
34) 2-Butanone	2.554	43	291075	9.619	ppbv	98
35) Carbon Tetrachloride	3.761	117	314409	9.908	ppbv	99
36) Benzene	3.655	78	393168	9.711	ppbv	99
37) 1,2-Dichloroethane	3.218	62	241809	9.914	ppbv	100
38) Trichloroethene	4.545	130	173991	8.945	ppbv	97
39) 1,2-Dichloropropane	4.309	63	144022	9.637	ppbv	99
40) 1,4-Dioxane	4.574	88	65828	9.450	ppbv #	96
41) Tetrahydrofuran	3.053	42	158450	10.290	ppbv	99
42) Bromodichloromethane	4.487	83	323680	10.190	ppbv	100
43) Methyl Methacrylate	4.875	69	152285	10.582	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	659271	9.990	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	172061	10.662	ppbv	90

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	215829	10.554	ppbv		98
47) 1,1,2-Trichloroethane	6.581	97	154154	9.676	ppbv		96
48) Dibromochloromethane	7.387	129	263525	10.419	ppbv		99
49) Bromoform	9.481	173	229121	10.390	ppbv		98
50) 4-Methyl-2-Pentanone	5.746	43	387968	9.953	ppbv		99
51) 2-Hexanone	7.435	43	317003	10.761	ppbv	#	99
52) Tetrachloroethene	8.225	164	146976	8.758	ppbv		97
53) Toluene	6.930	91	442405	10.175	ppbv		100
54) 1,2-Dibromoethane	7.649	107	227212	10.094	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.924	131	198082	9.946	ppbv		99
57) Chlorobenzene	8.921	112	349201	9.419	ppbv		97
58) Ethyl Benzene	9.354	91	622947	10.298	ppbv		100
59) m/p-Xylene	9.552	91	463296	9.583	ppbv	#	19
60) o-Xylene	9.963	91	500129	10.353	ppbv		99
61) Styrene	9.869	104	221916	10.920	ppbv		99
62) Isopropylbenzene	10.539	105	722087	10.134	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.963	83	284428	9.171	ppbv		99
64) n-propylbenzene	10.989	120	192843	10.381	ppbv		99
65) tert-Butylbenzene	11.533	119	647770	10.234	ppbv		98
66) Benzyl Chloride	11.614	91	59138	11.381	ppbv		99
67) sec-Butylbenzene	11.769	105	905366	10.057	ppbv		100
69) p-Isopropyltoluene	11.924	119	782501	10.660	ppbv		100
70) n-Butylbenzene	12.280	91	792521	11.177	ppbv		99
71) 2-Chlorotoluene	10.902	91	557912	10.211	ppbv		99
72) 4-Ethyltoluene	11.125	105	620030	10.747	ppbv		99
73) 1,3,5-Trimethylbenzene	11.203	105	515645	10.856	ppbv		97
74) 1,2,4-Trimethylbenzene	11.536	105	561445	10.834	ppbv		95
75) 1,3-Dichlorobenzene	11.607	146	361599	9.953	ppbv		100
76) 1,4-Dichlorobenzene	11.672	146	366590	10.312	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	348523	9.761	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	286611	8.868	ppbv		99
79) Naphthalene	13.514	128	573161	10.185	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	273990	9.773	ppbv		99
81) 1,2,4-Trichlorobenzene	13.439	180	321227	10.157	ppbv		99

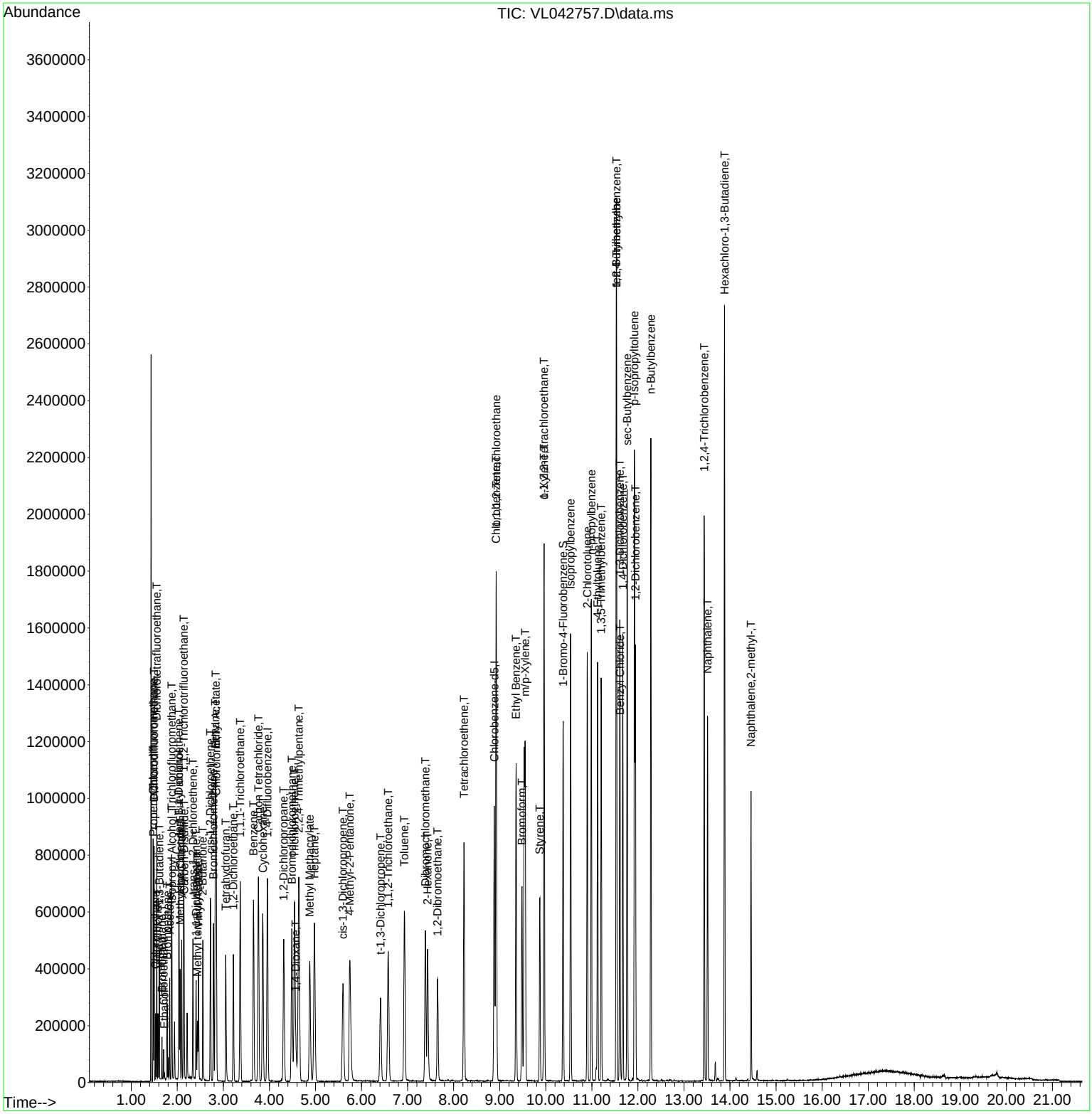
(#) = qualifier out of range (m) = manual integration (+) = signals summed

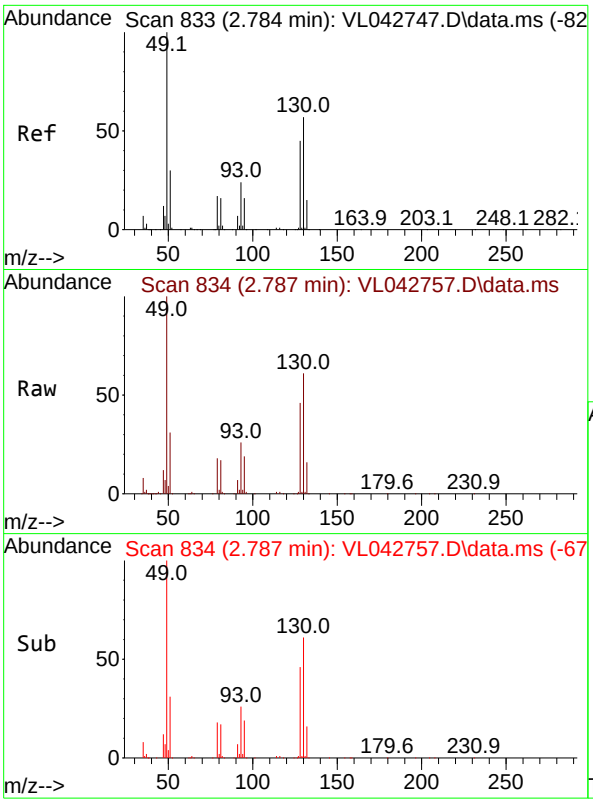
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042757.D
Acq On : 24 Jul 2025 08:23
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jul 25 01:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



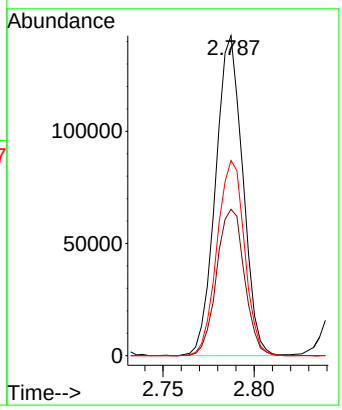


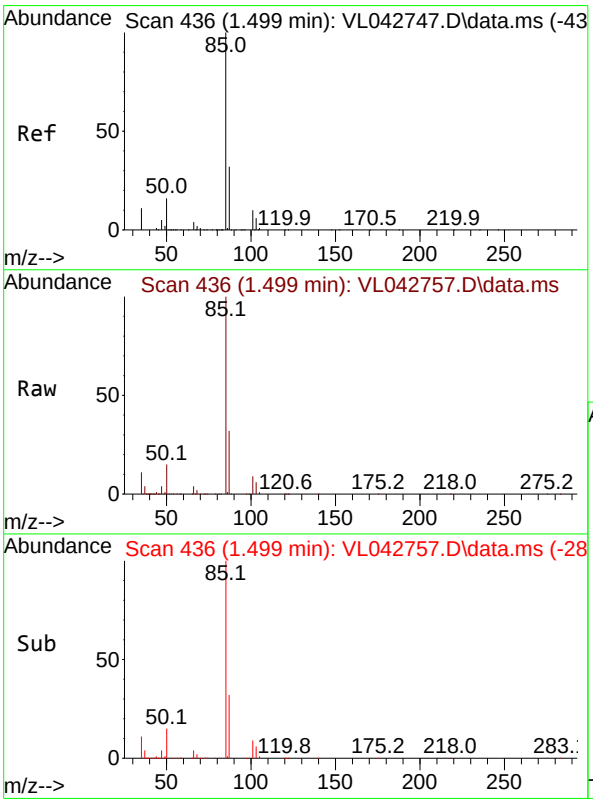
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 147950

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.6	71.0
130	61.5	30.3	90.8

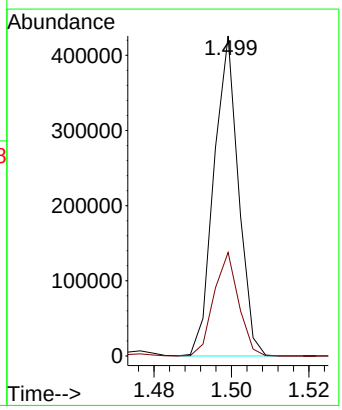


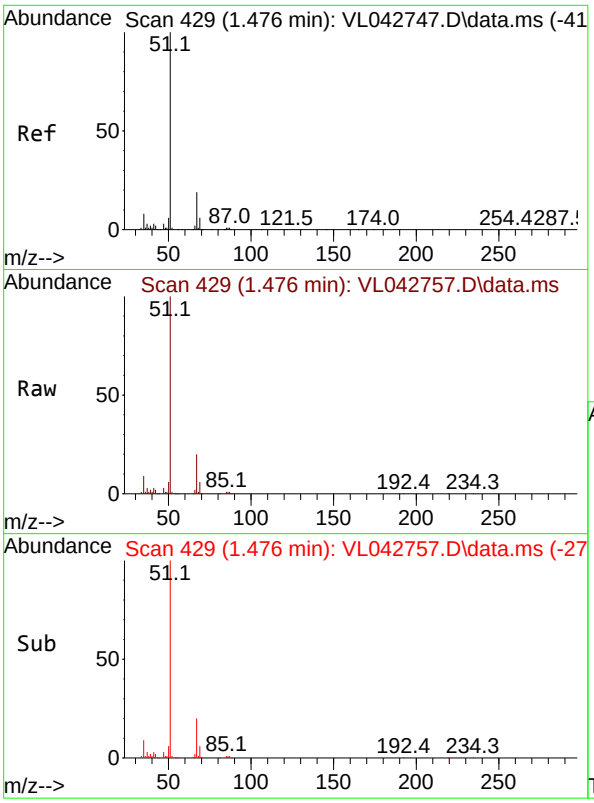


#2
Dichlorodifluoromethane
Concen: 9.589 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 85 Resp: 187566

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.4	38.2



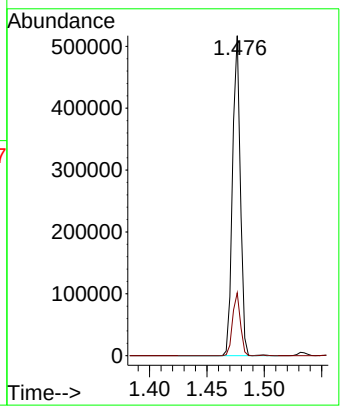


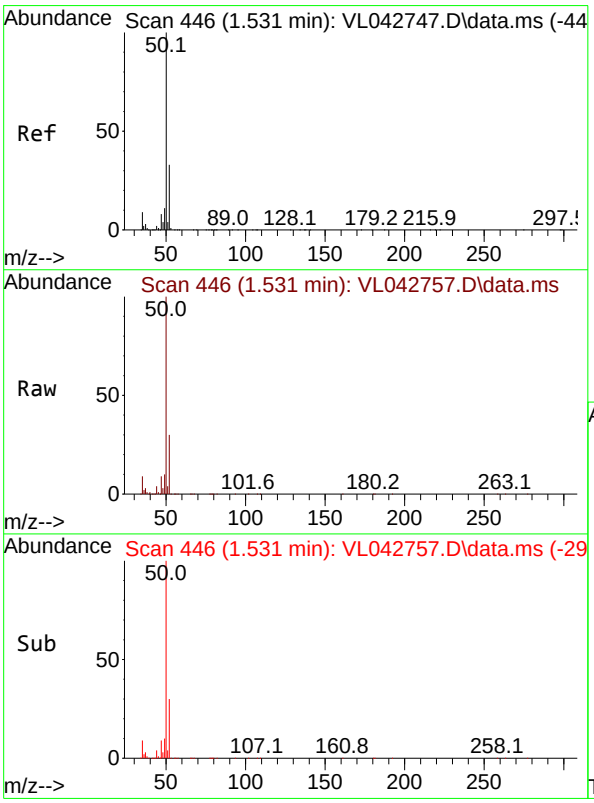
#3
Chlorodifluoromethane
Concen: 9.588 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 244317

Ion	Ratio	Lower	Upper
51	100		
67	19.7	15.0	22.6

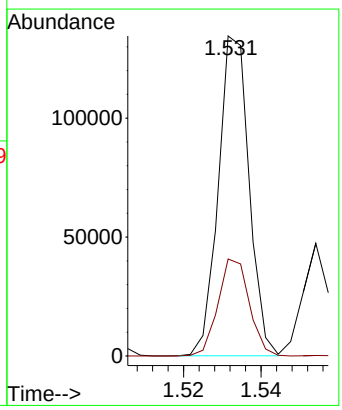


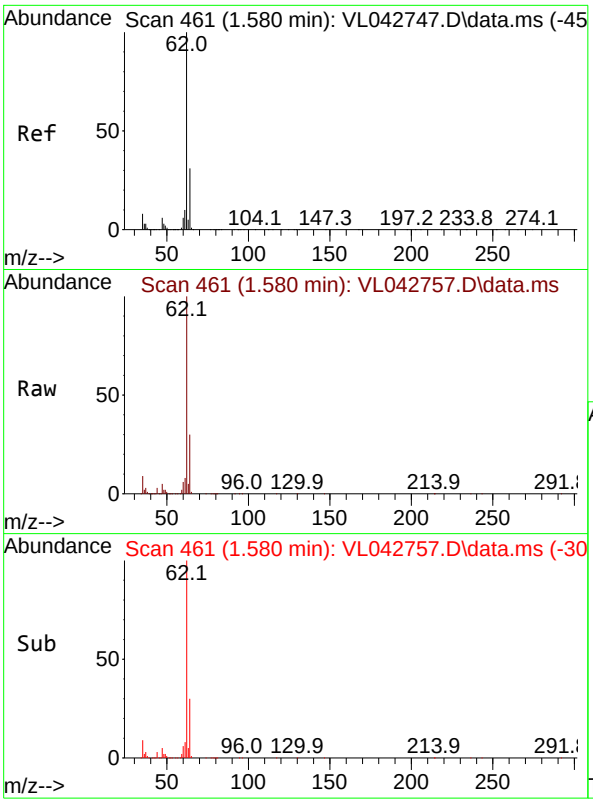


#4
Chloromethane
Concen: 9.393 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 50 Resp: 74335

Ion	Ratio	Lower	Upper
50	100		
52	30.3	26.6	40.0



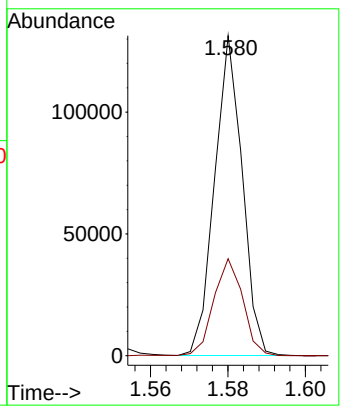


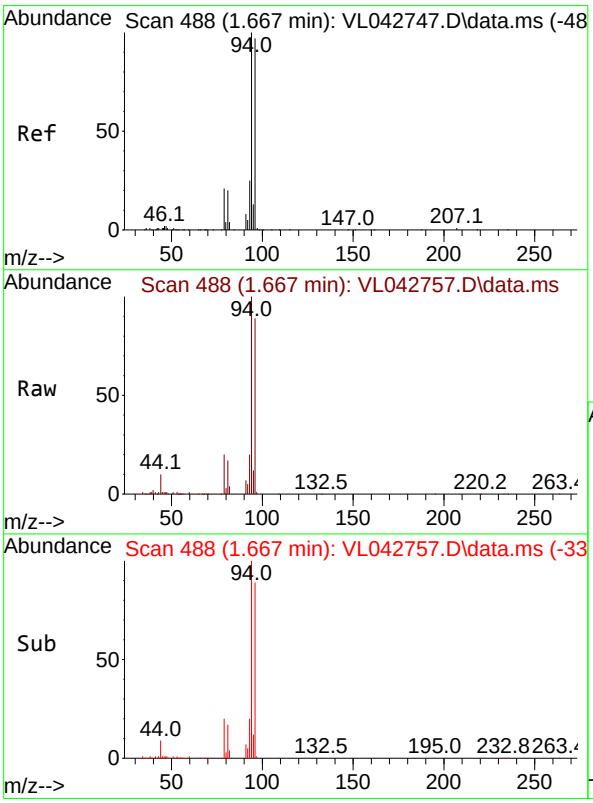
#5
Vinyl Chloride
Concen: 8.321 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 65064

Ion	Ratio	Lower	Upper
62	100		
64	30.2	24.5	36.7

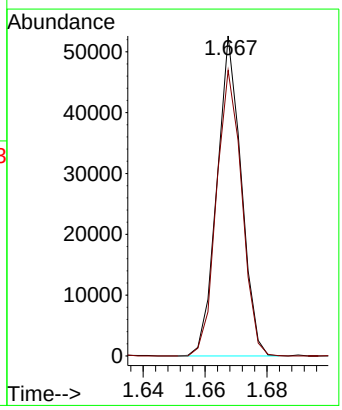


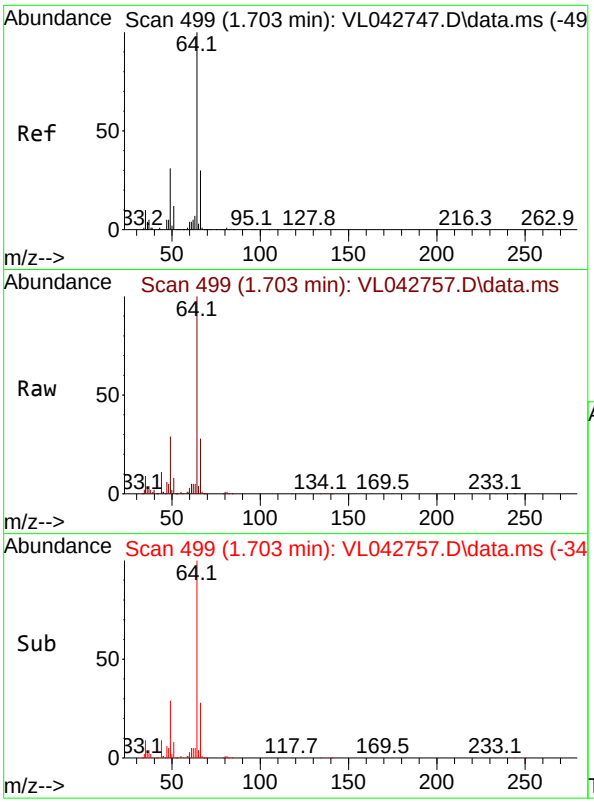


#6
Bromomethane
Concen: 9.490 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 94 Resp: 28685

Ion	Ratio	Lower	Upper
94	100		
96	89.3	77.6	116.4



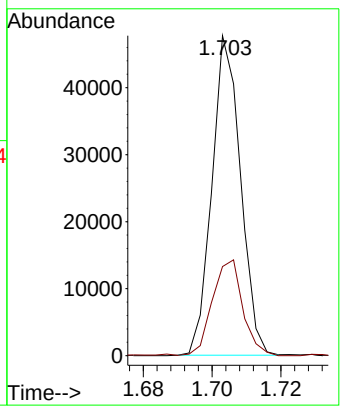


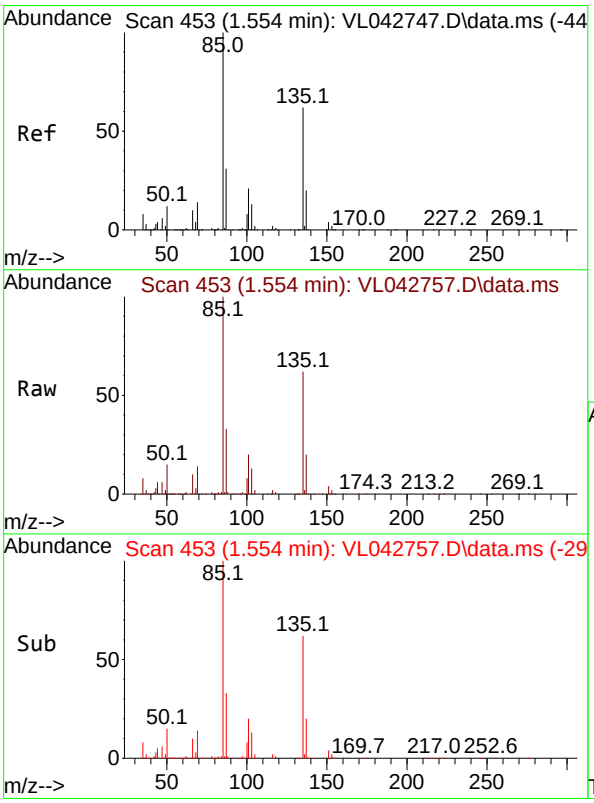
#7
Chloroethane
Concen: 9.119 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 27550

Ion	Ratio	Lower	Upper
64	100		
66	27.8	24.1	36.1

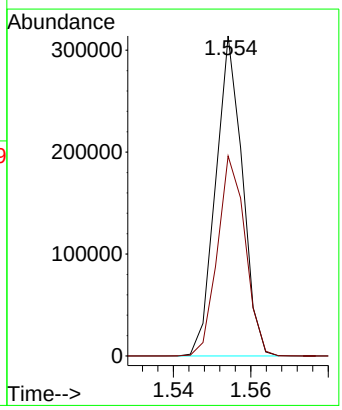


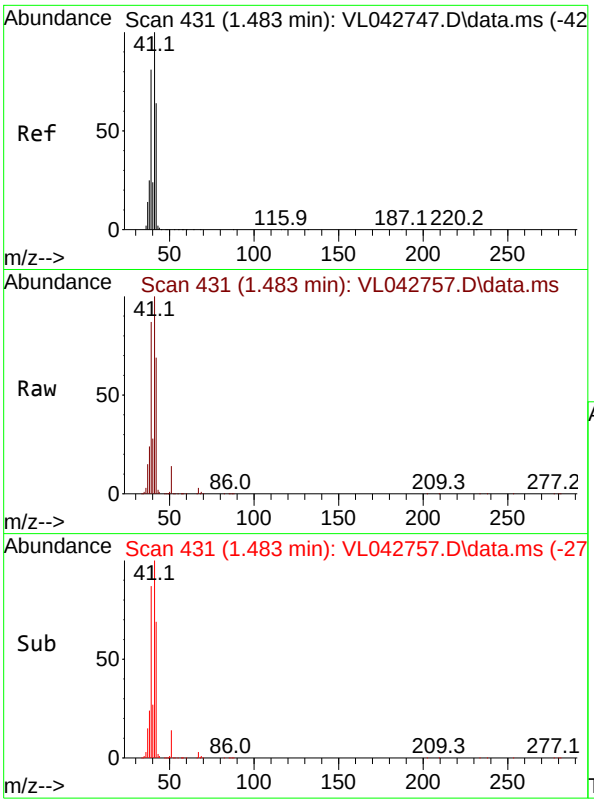


#8
Dichlorotetrafluoroethane
Concen: 9.339 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 85 Resp: 150238

Ion	Ratio	Lower	Upper
85	100		
135	65.3	50.6	76.0



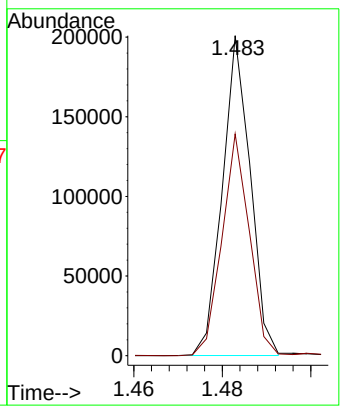


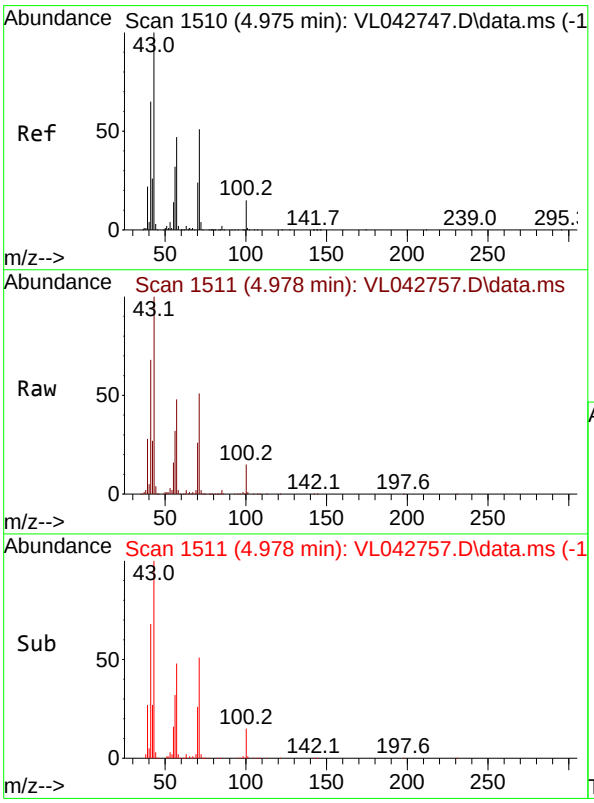
#9
Propene
Concen: 9.491 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 87903

Ion	Ratio	Lower	Upper
41	100		
42	69.8	53.2	79.8

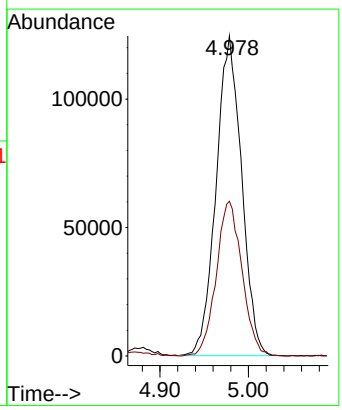


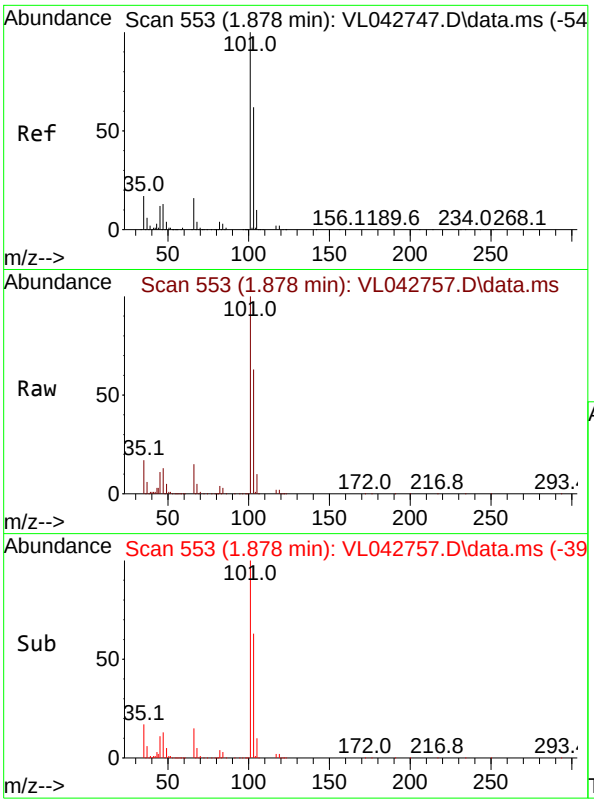


#10
Heptane
Concen: 9.984 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 249314

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.9	59.9



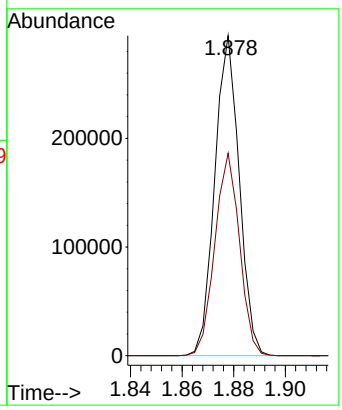


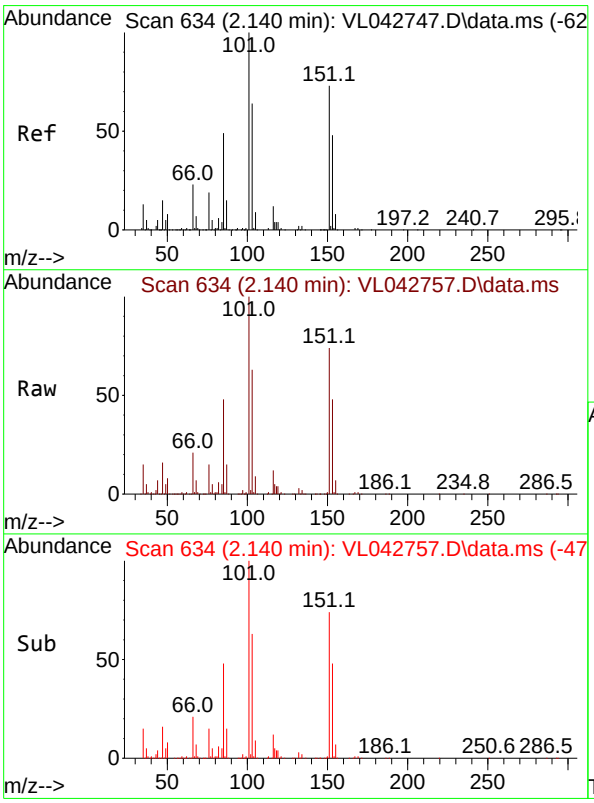
#11
Trichlorofluoromethane
Concen: 9.612 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 193823

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.6	74.4

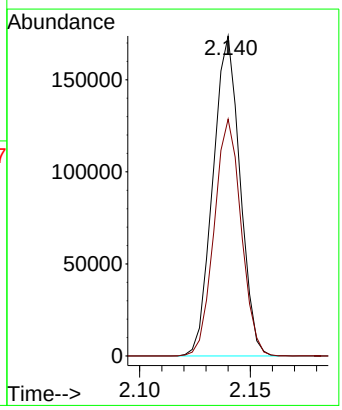


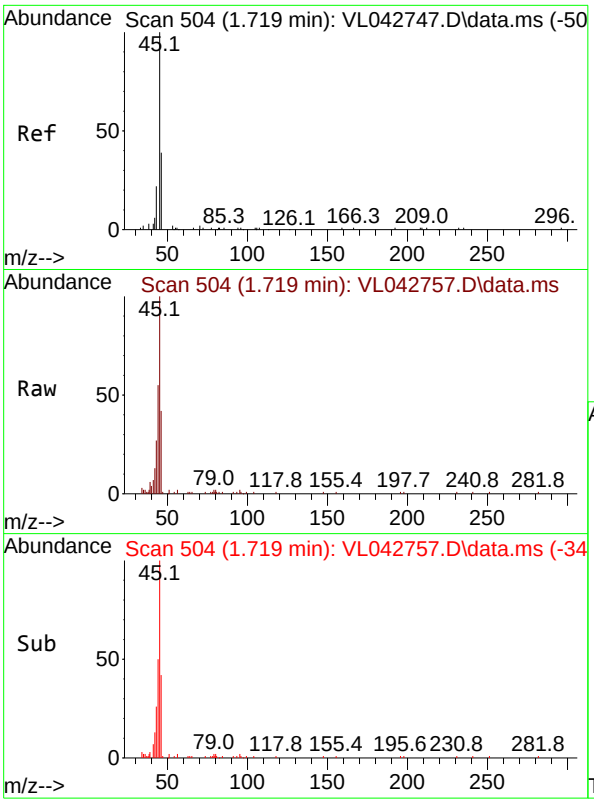


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.666 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:101 Resp: 148112

Ion	Ratio	Lower	Upper
101	100		
151	73.7	60.5	90.7



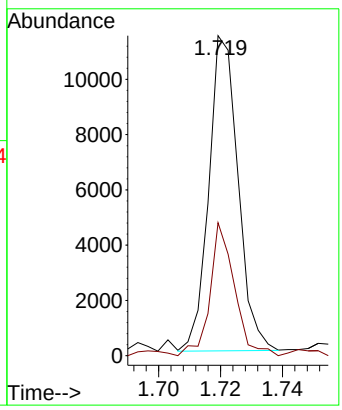


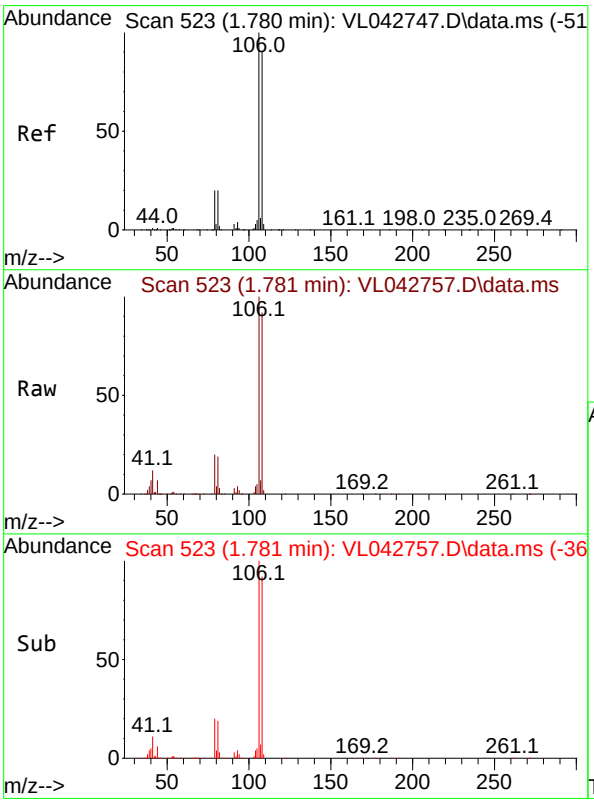
#13
Ethanol
Concen: 9.958 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 7492

Ion	Ratio	Lower	Upper
45	100		
46	39.3	17.8	71.4

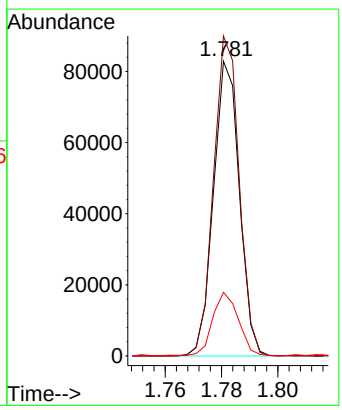


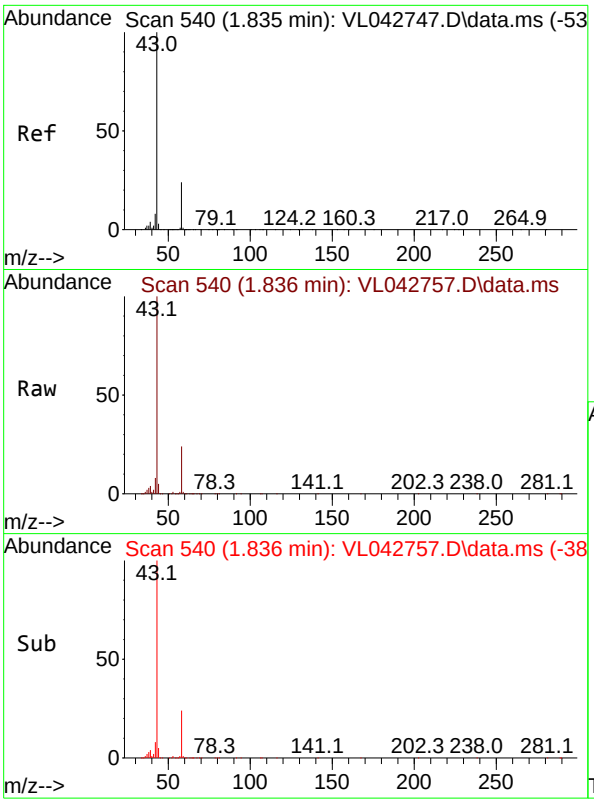


#14
Bromoethene
Concen: 9.757 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:108 Resp: 52933

Ion	Ratio	Lower	Upper
108	100		
106	107.3	84.7	127.1
79	22.4	17.4	26.2



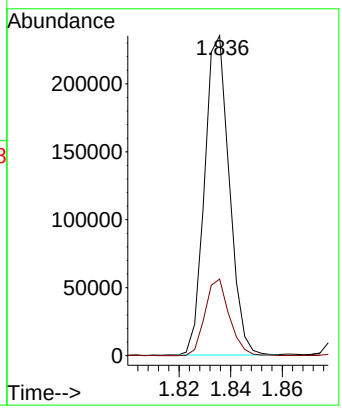


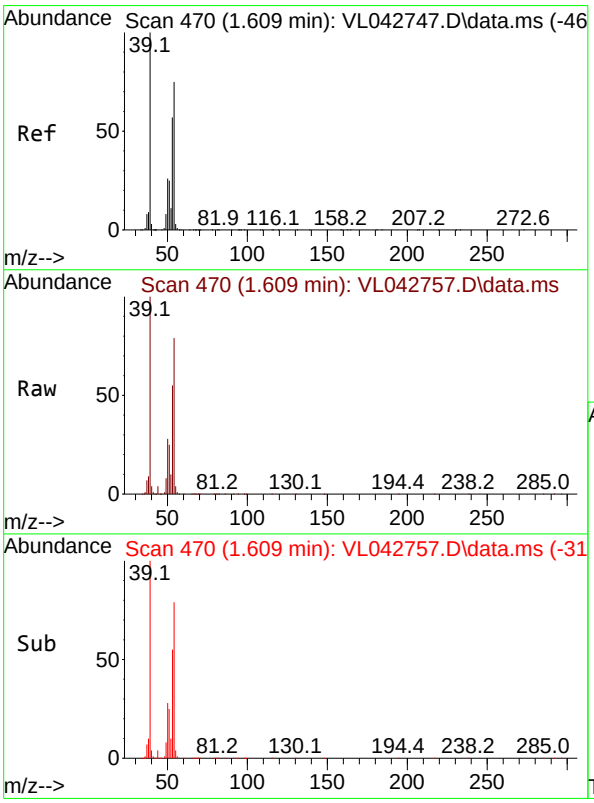
#15
Acetone
Concen: 7.654 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 156375

Ion	Ratio	Lower	Upper
43	100		
58	23.9	19.8	29.8

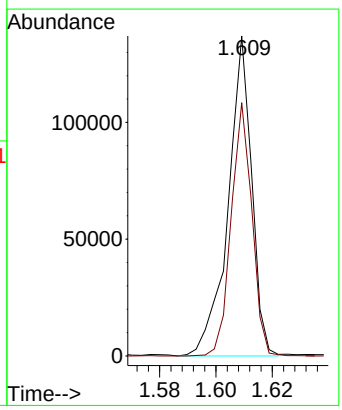


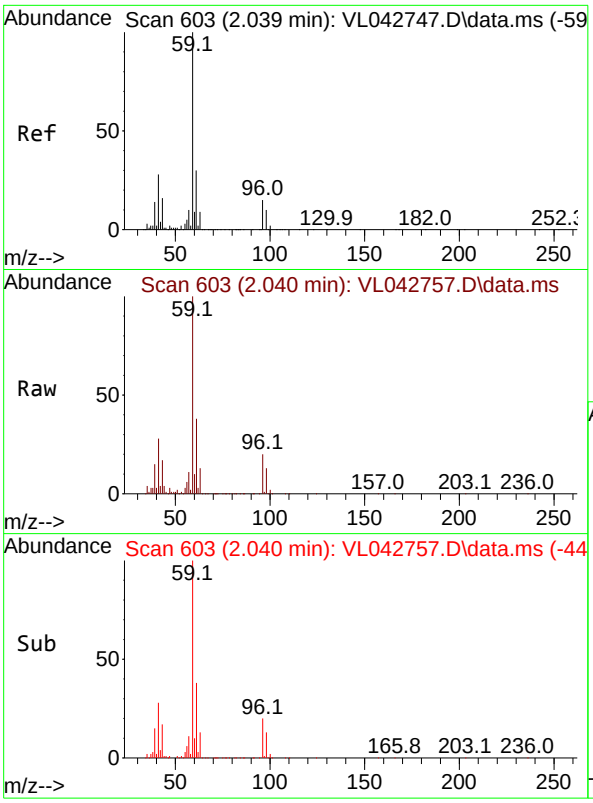


#16
1,3-Butadiene
Concen: 9.129 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 39 Resp: 79550

Ion	Ratio	Lower	Upper
39	100		
54	69.6	54.5	81.7



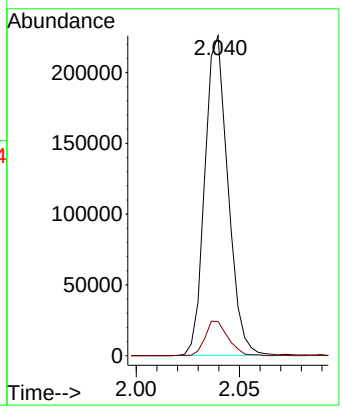


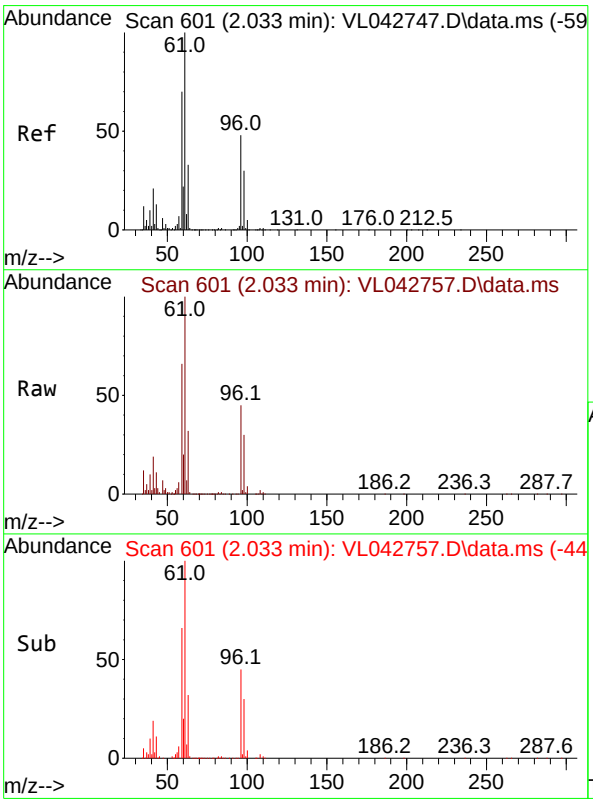
#17
tert-Butyl alcohol
Concen: 9.563 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 176200

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

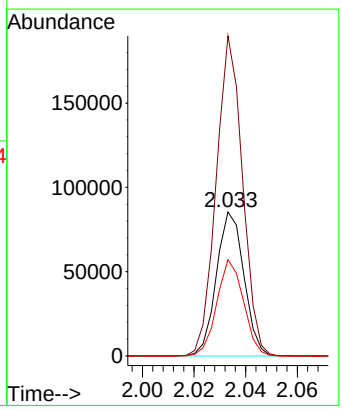


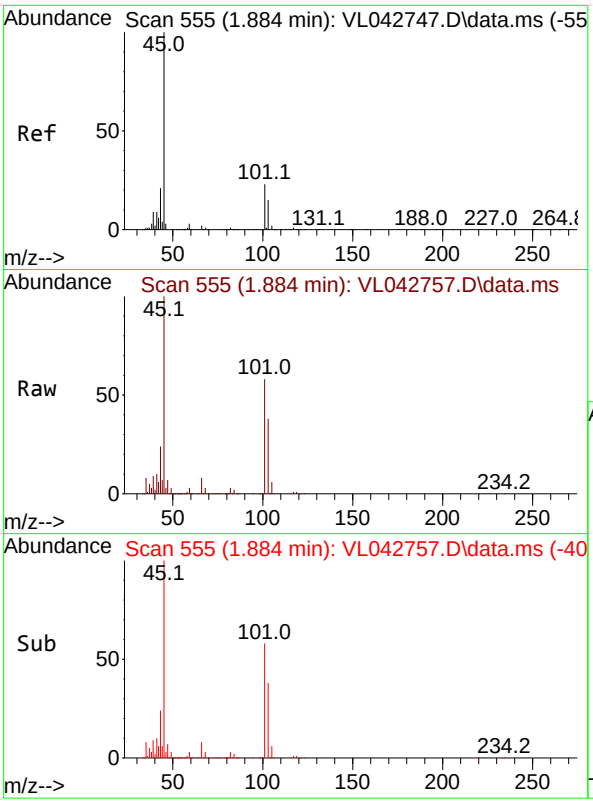


#18
1,1-Dichloroethene
Concen: 9.158 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 96 Resp: 63402

Ion	Ratio	Lower	Upper
96	100		
61	222.1	165.8	248.6
98	67.0	49.9	74.9



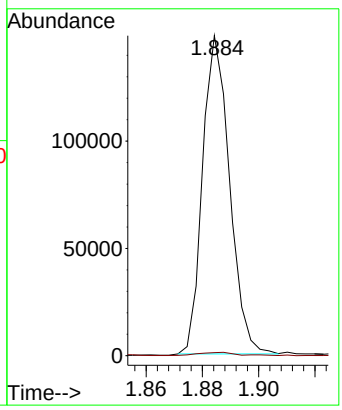


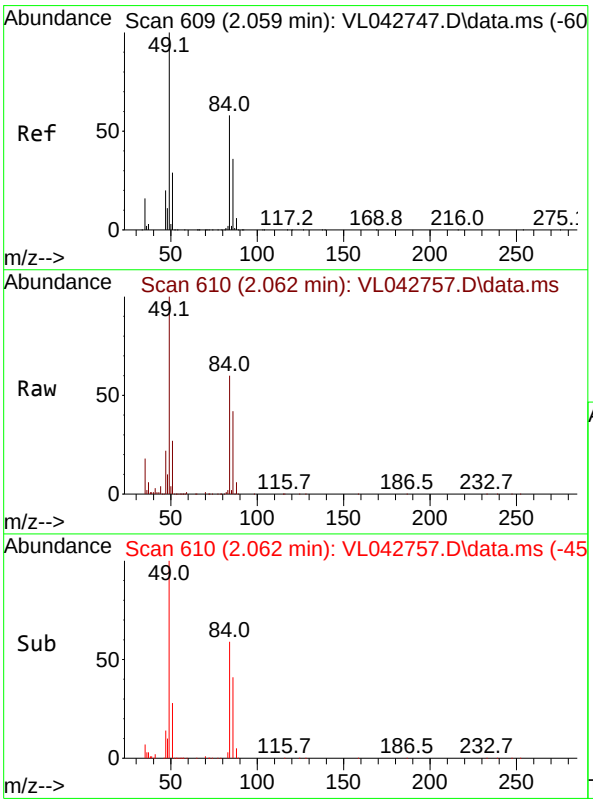
#19
Isopropyl Alcohol
Concen: 9.108 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 98884

Ion	Ratio	Lower	Upper
45	100		
58	1.7	30.0	45.0#

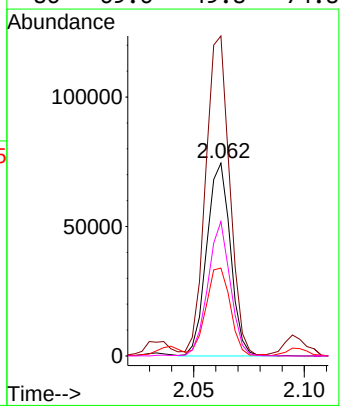


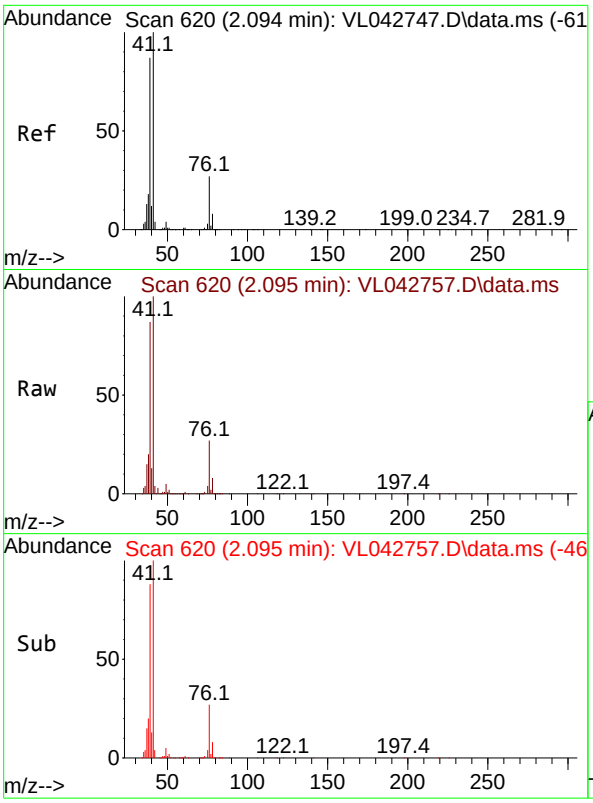


#20
Methylene Chloride
Concen: 8.643 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 84 Resp: 55642

Ion	Ratio	Lower	Upper
84	100		
49	163.9	138.6	208.0
51	44.6	40.6	61.0
86	69.6	49.8	74.8



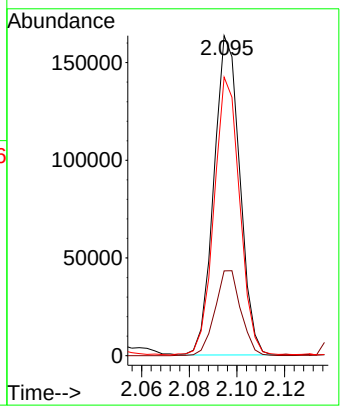


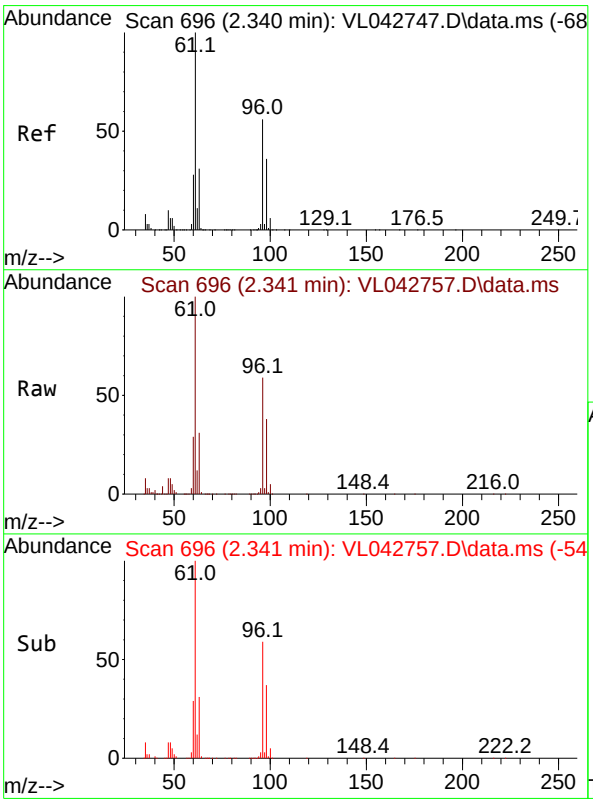
#21
Allyl Chloride
Concen: 9.778 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 123118

Ion	Ratio	Lower	Upper
41	100		
76	26.7	21.1	31.7
39	86.4	68.3	102.5

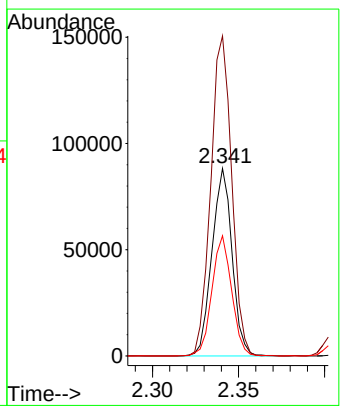


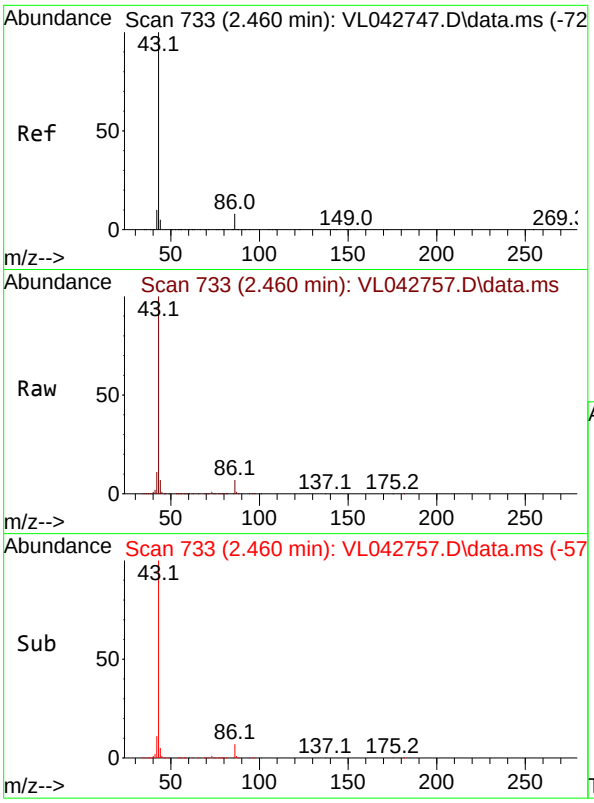


#22
trans-1,2-Dichloroethene
Concen: 9.641 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 96 Resp: 71805

Ion	Ratio	Lower	Upper
96	100		
61	170.6	142.3	213.5
98	64.1	50.6	76.0



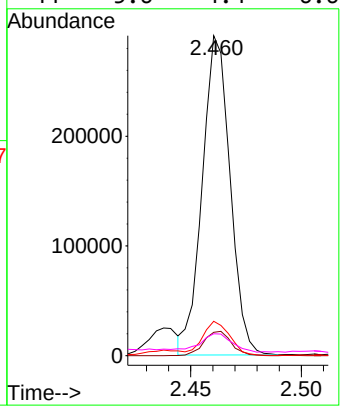


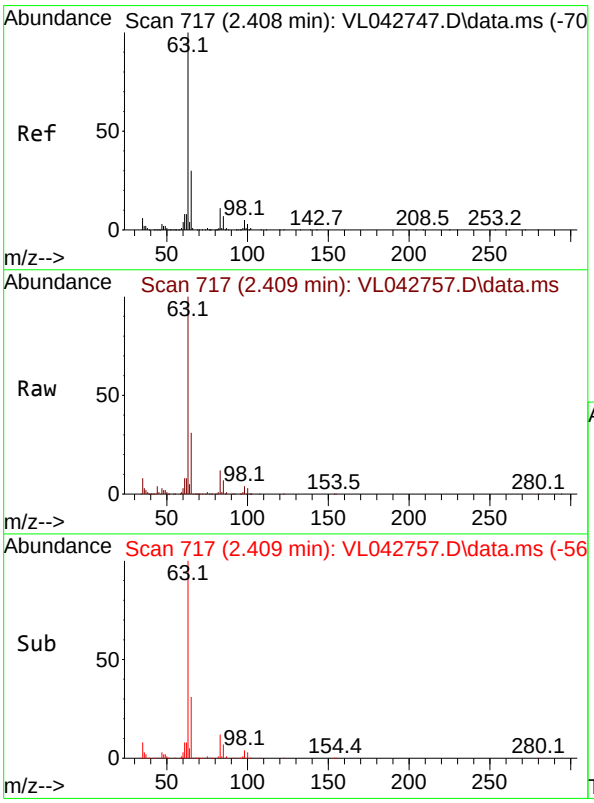
#23
Vinyl Acetate
Concen: 10.279 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 254582

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.1	9.1
42	10.7	7.8	11.8
44	5.6	4.4	6.6

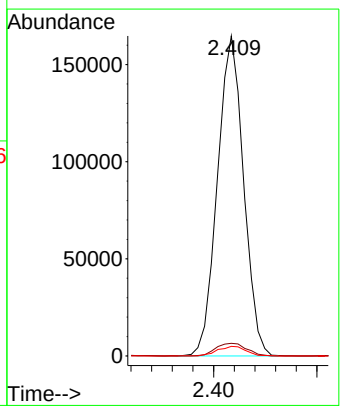


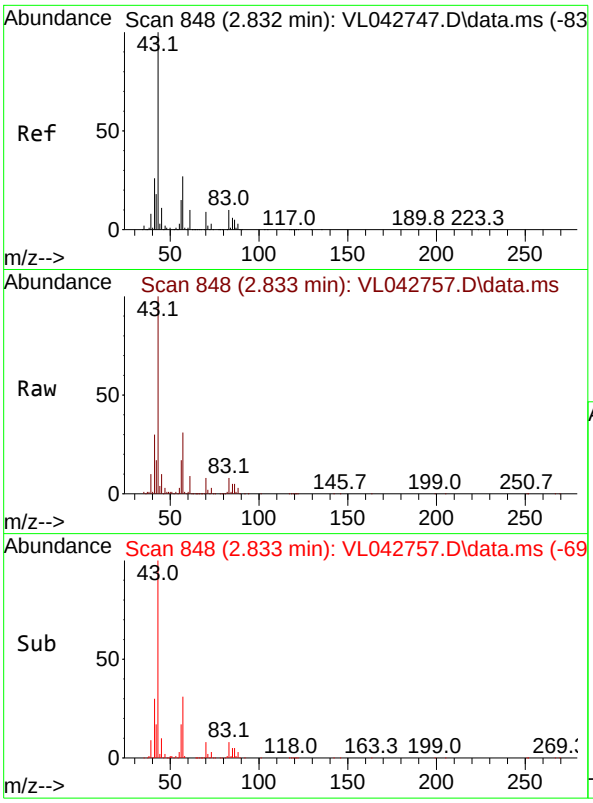


#24
1,1-Dichloroethane
Concen: 9.481 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 63 Resp: 144940

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.5	7.4
100	3.0	1.6	4.8



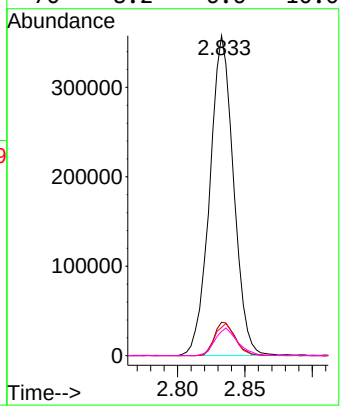


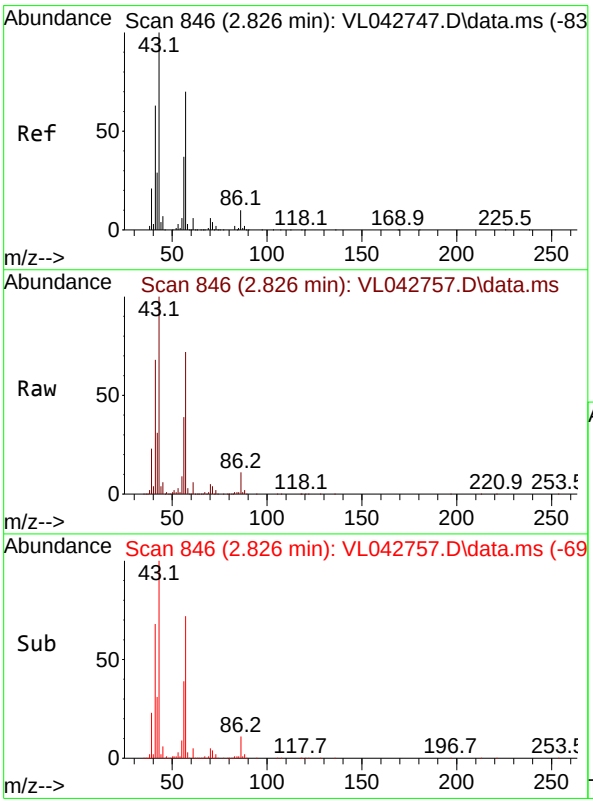
#25
Ethyl Acetate
Concen: 9.735 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 440225

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.6
61	8.7	6.7	10.1
70	8.2	6.6	10.0

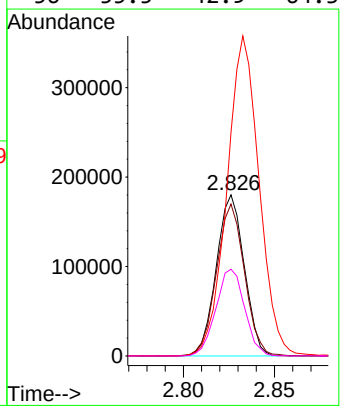


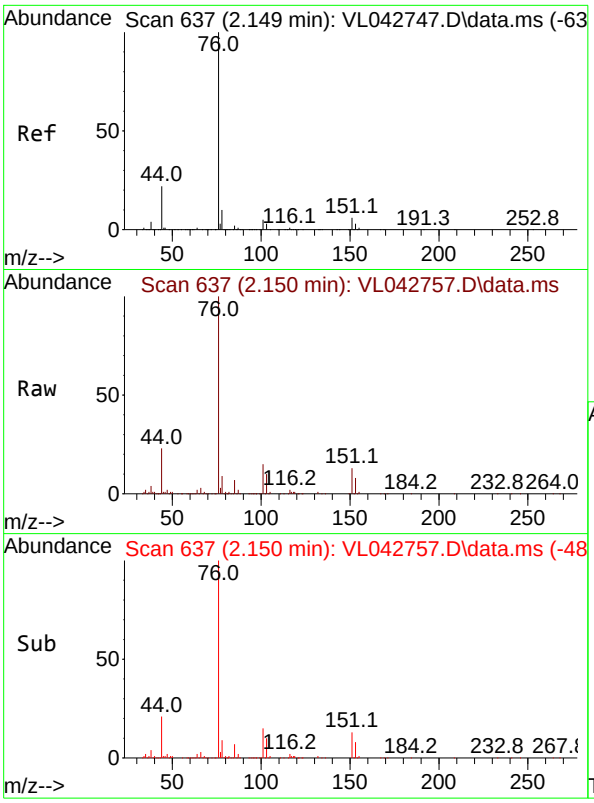


#26
Hexane
Concen: 9.663 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 57 Resp: 191695

Ion	Ratio	Lower	Upper
57	100		
41	95.2	75.4	113.2
43	231.3	185.0	277.6
56	55.5	42.9	64.3



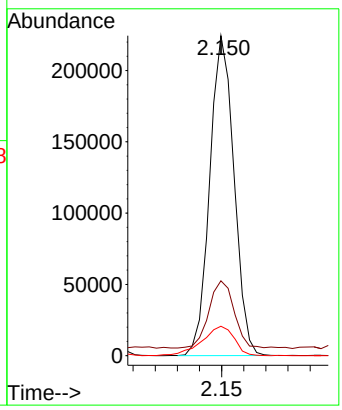


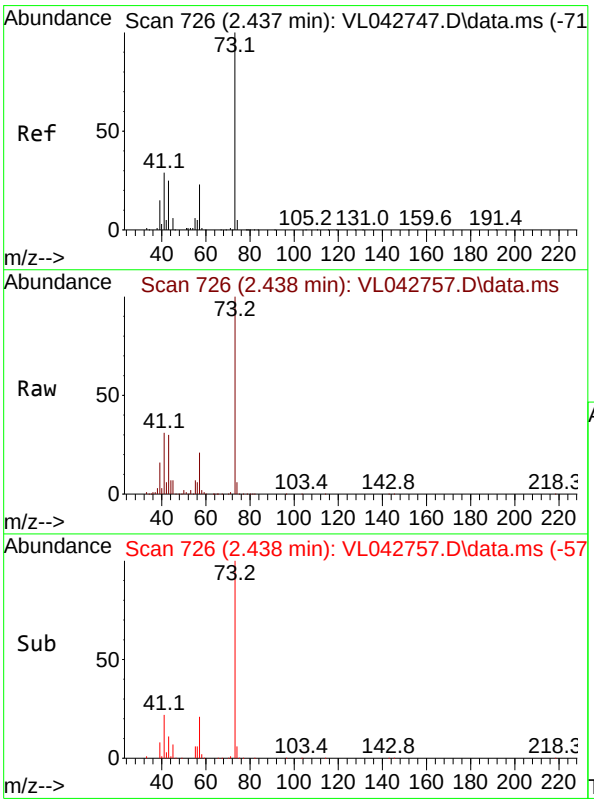
#27
Carbon Disulfide
Concen: 10.077 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 171134

Ion	Ratio	Lower	Upper
76	100		
44	24.4	19.3	28.9
78	12.2	9.9	14.9

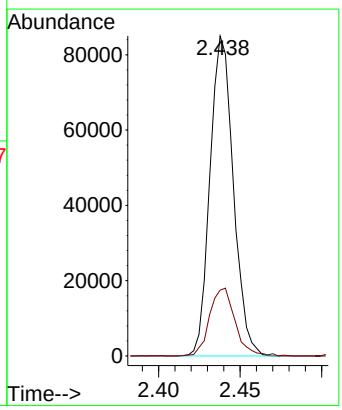


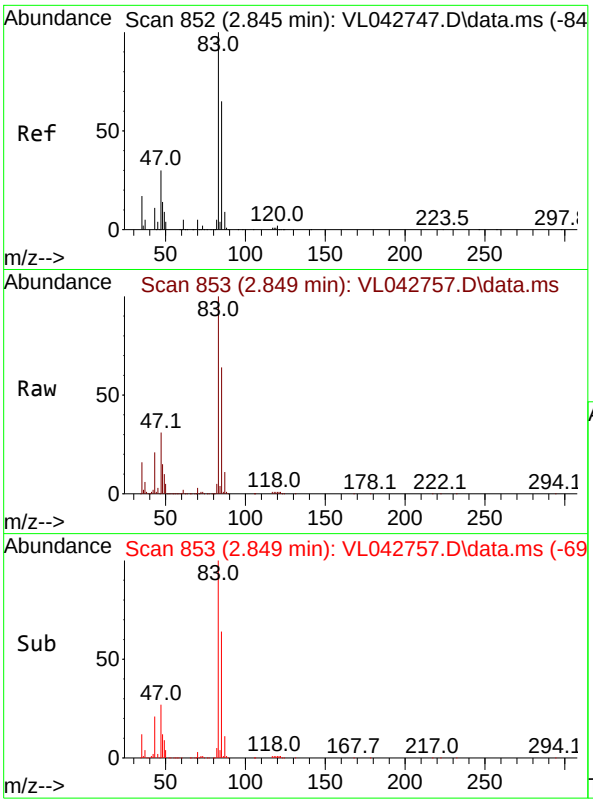


#28
Methyl tert-Butyl Ether
Concen: 9.034 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 73 Resp: 84661

Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.8	29.8



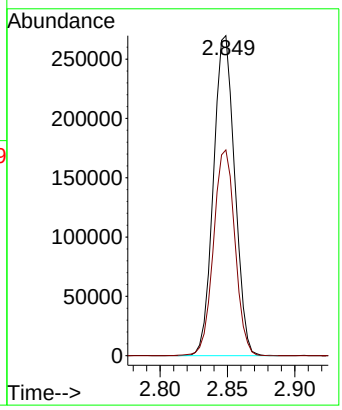


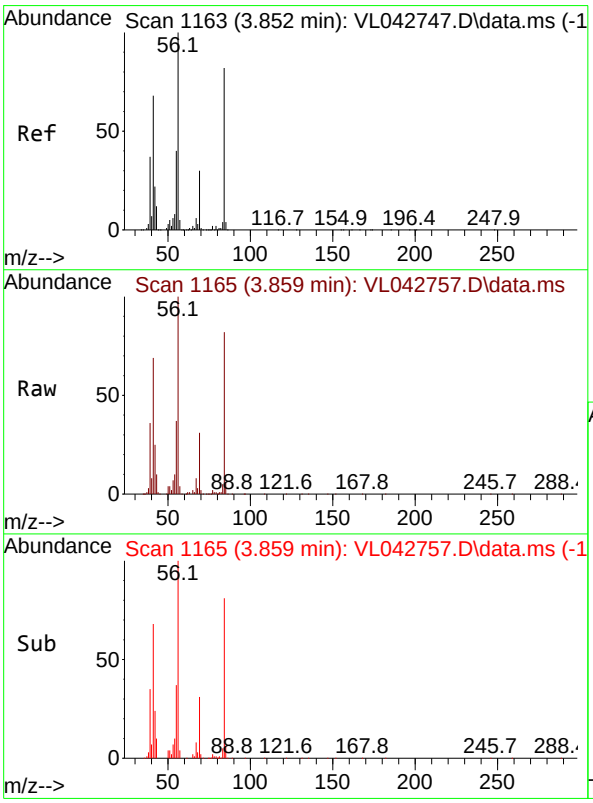
#29
Chloroform
Concen: 9.669 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 296376

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2

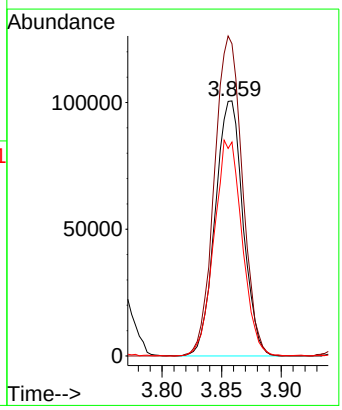


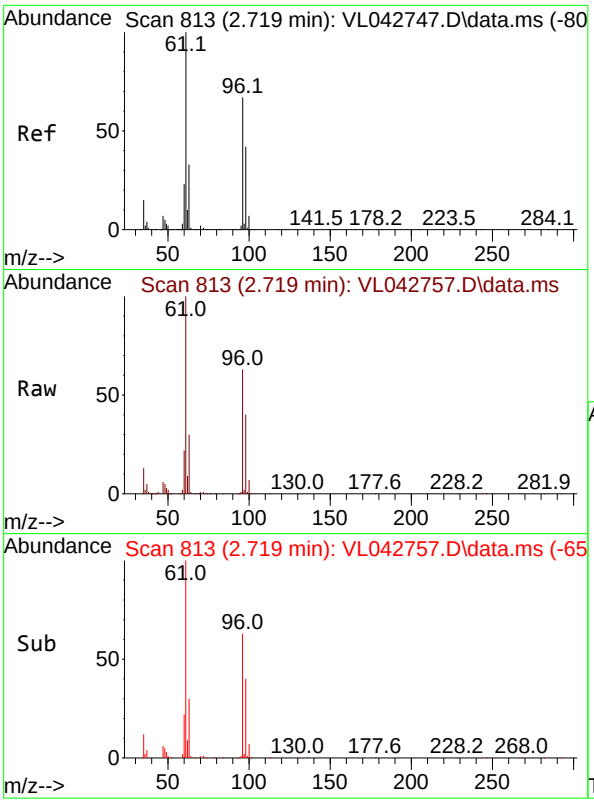


#30
Cyclohexane
Concen: 9.735 ppbv
RT: 3.859 min Scan# 1165
Delta R.T. 0.007 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 84 Resp: 163787

Ion	Ratio	Lower	Upper
84	100		
56	125.7	97.5	146.3
41	85.4	67.2	100.8



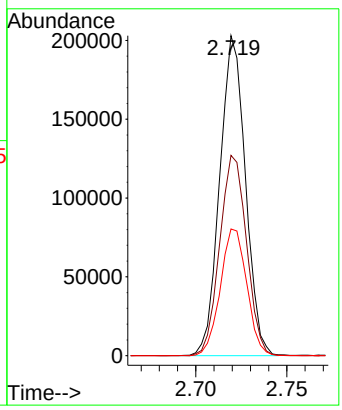


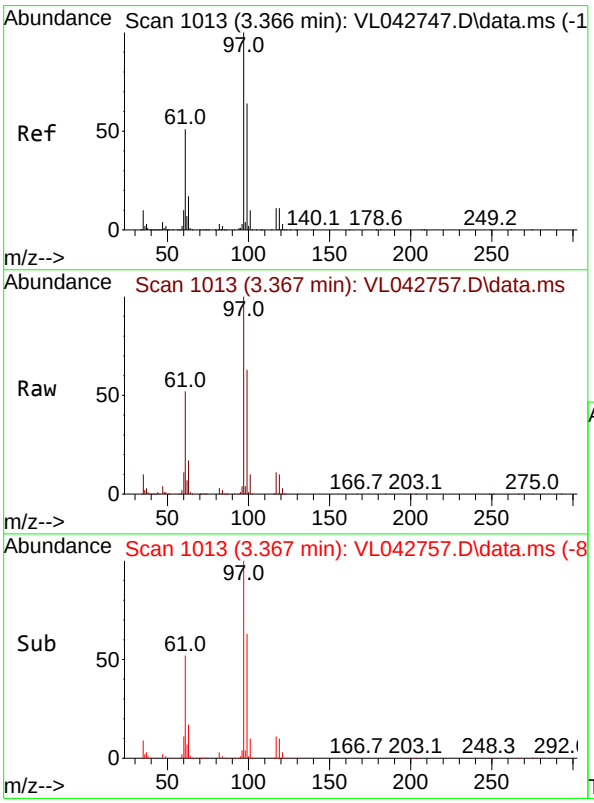
#31
cis-1,2-Dichloroethene
Concen: 9.769 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 199128

Ion	Ratio	Lower	Upper
61	100		
96	62.6	53.5	80.3
98	39.6	33.6	50.4

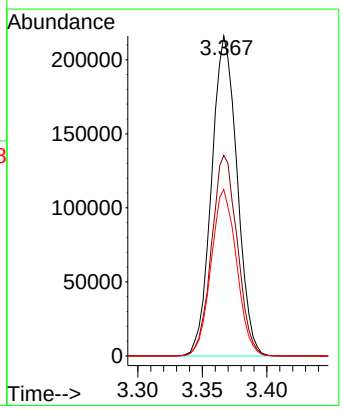


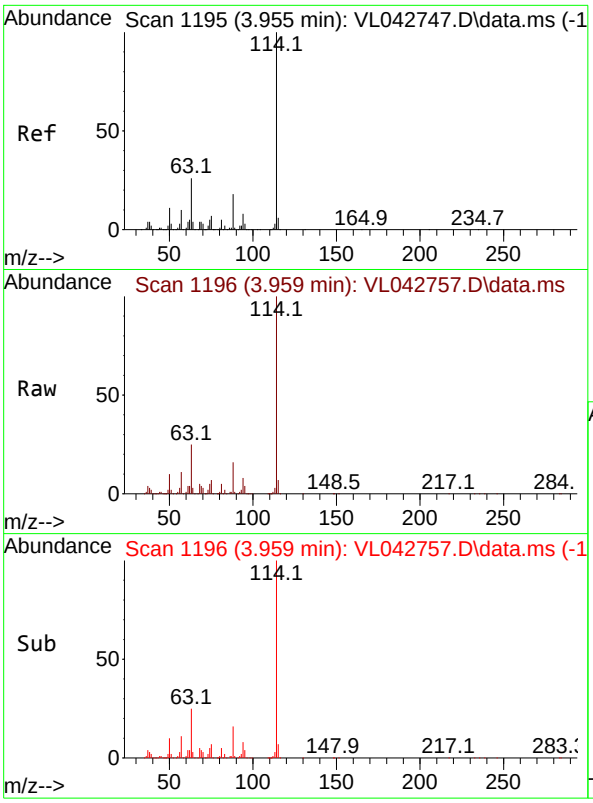


#32
1,1,1-Trichloroethane
Concen: 9.316 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 97 Resp: 297466

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	52.0	40.9	61.3



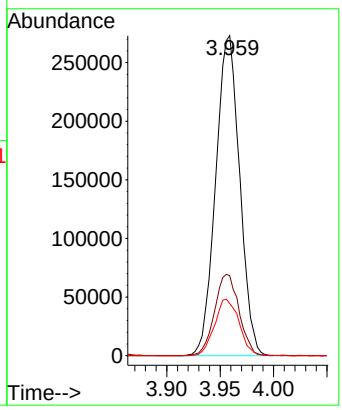


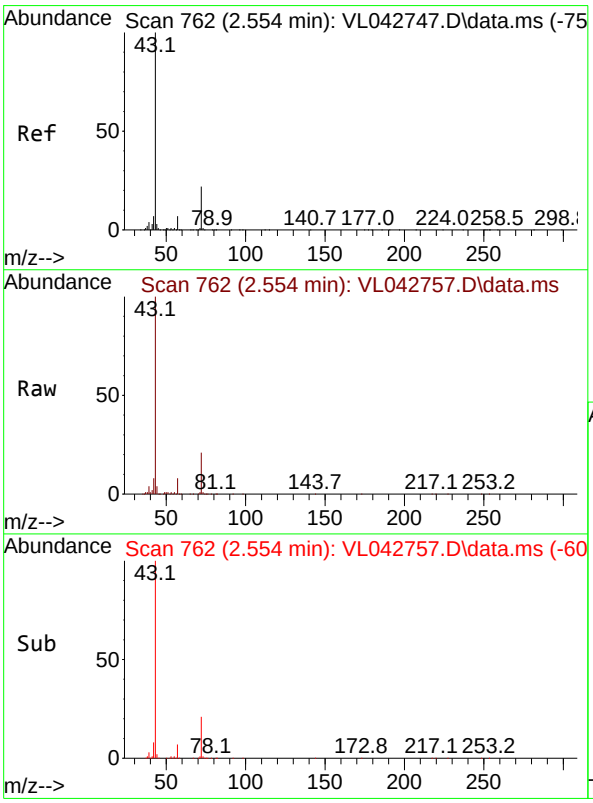
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 427210

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	18.1	14.0	21.0

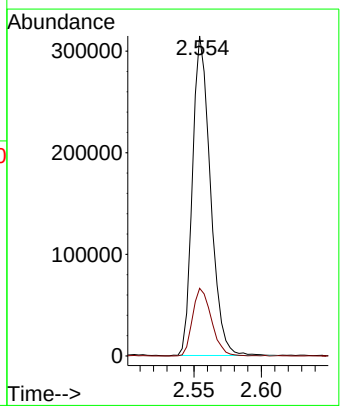


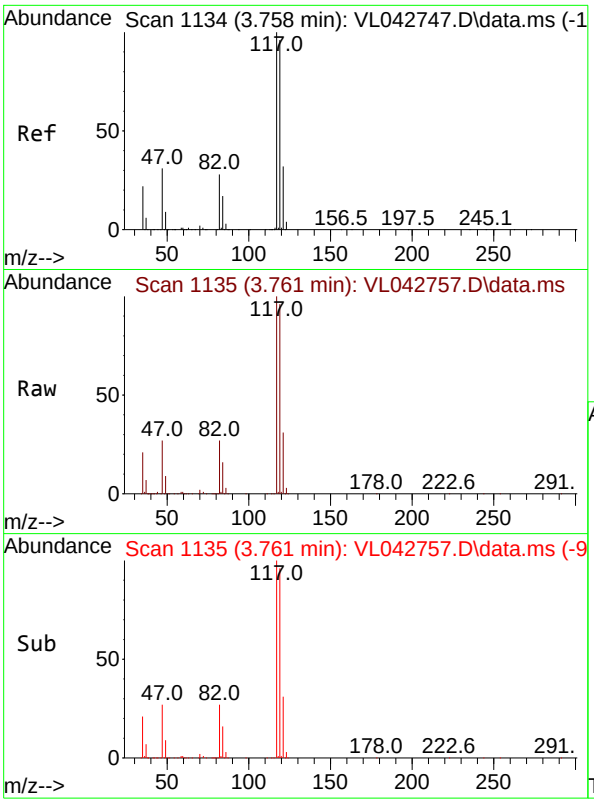


#34
2-Butanone
Concen: 9.619 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 291075

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.4	26.0



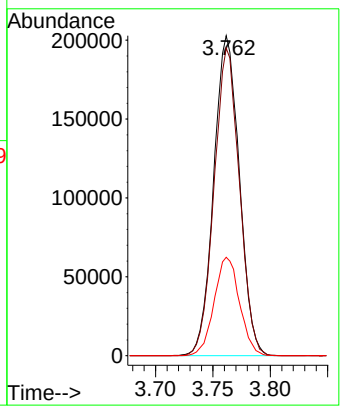


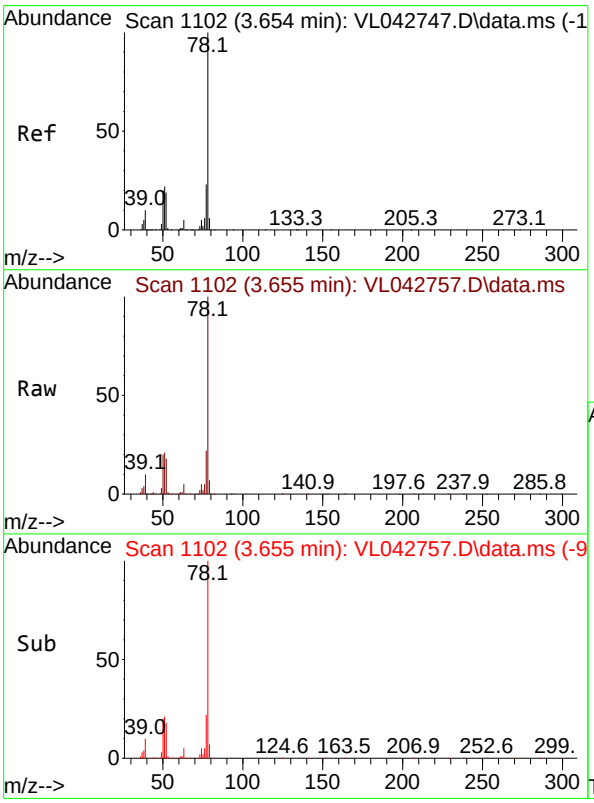
#35
Carbon Tetrachloride
Concen: 9.908 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 314409

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	30.8	25.5	38.3

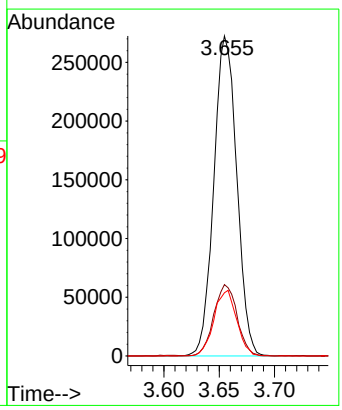


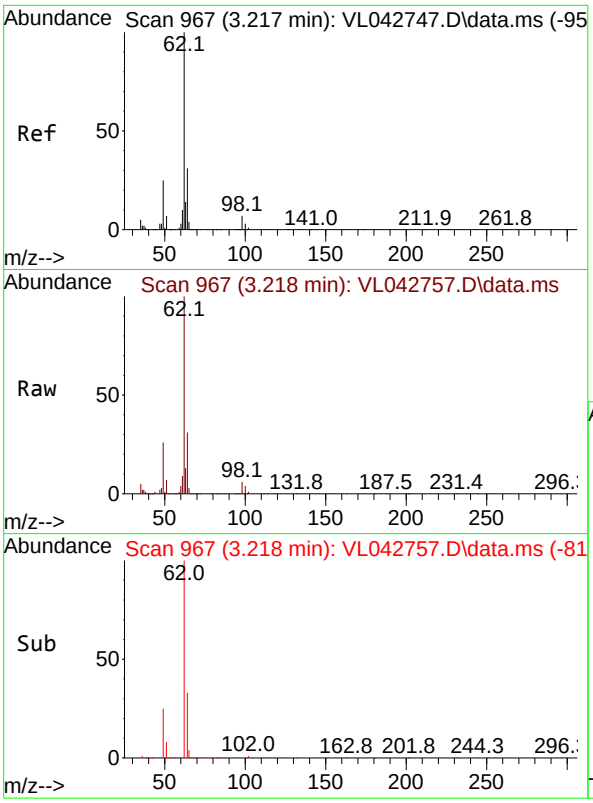


#36
Benzene
Concen: 9.711 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 78 Resp: 393168

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.5	27.7
50	19.8	16.2	24.2



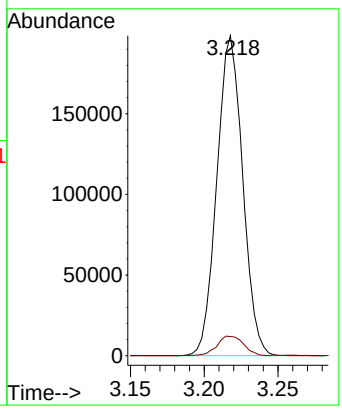


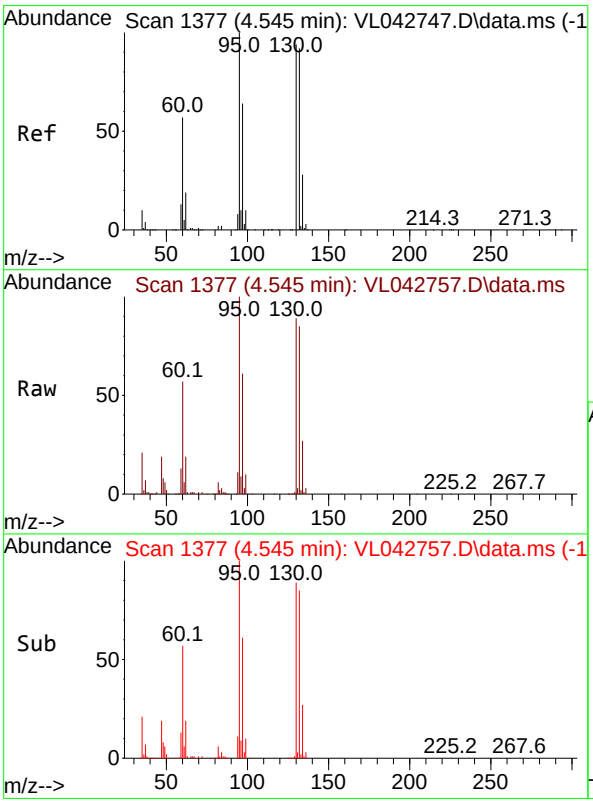
#37
1,2-Dichloroethane
Concen: 9.914 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 241809

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.2	7.8

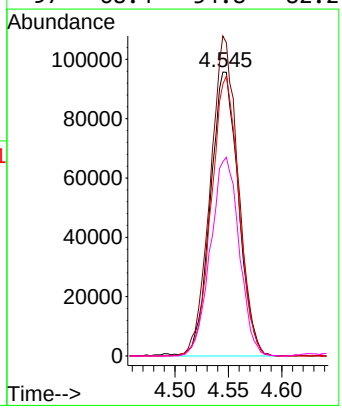


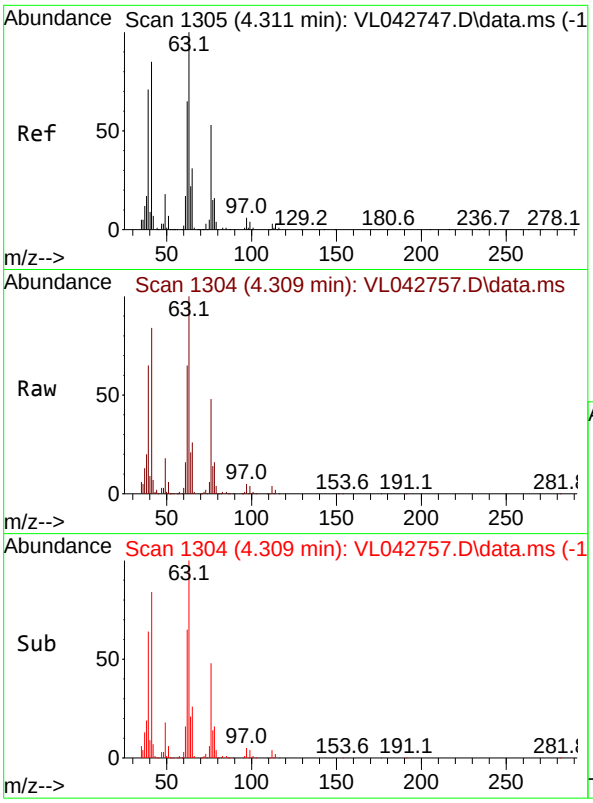


#38
Trichloroethene
Concen: 8.945 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:130 Resp: 173991

Ion	Ratio	Lower	Upper
130	100		
95	112.7	85.4	128.2
132	95.7	78.2	117.2
97	68.4	54.8	82.2



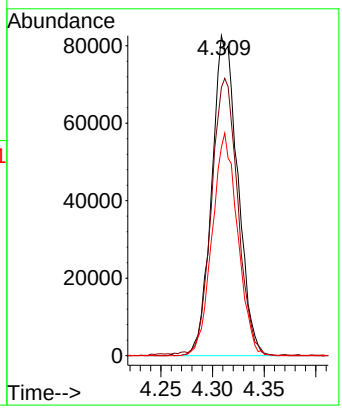


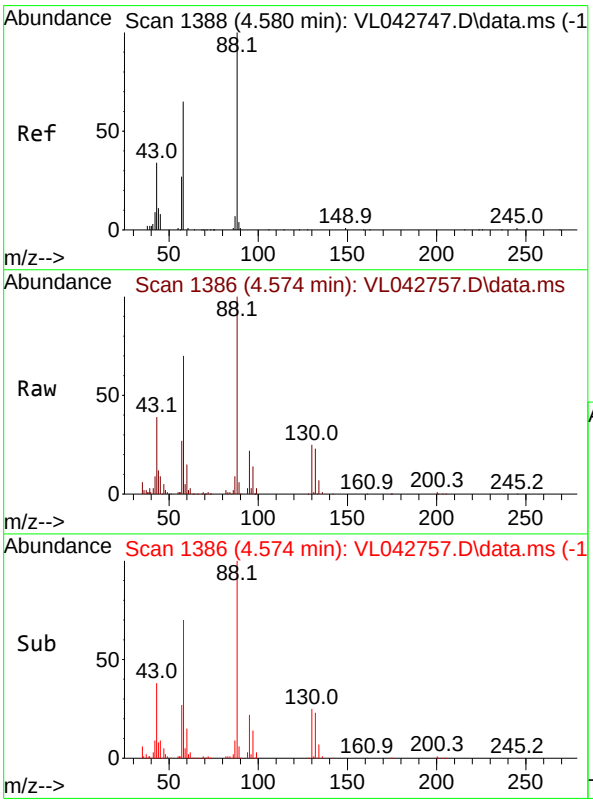
#39
1,2-Dichloropropane
Concen: 9.637 ppbv
RT: 4.309 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 144022

Ion	Ratio	Lower	Upper
63	100		
41	83.7	68.2	102.4
62	65.1	52.0	78.0

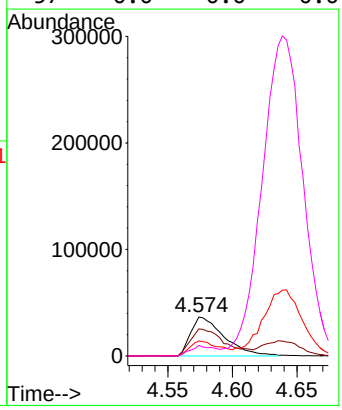


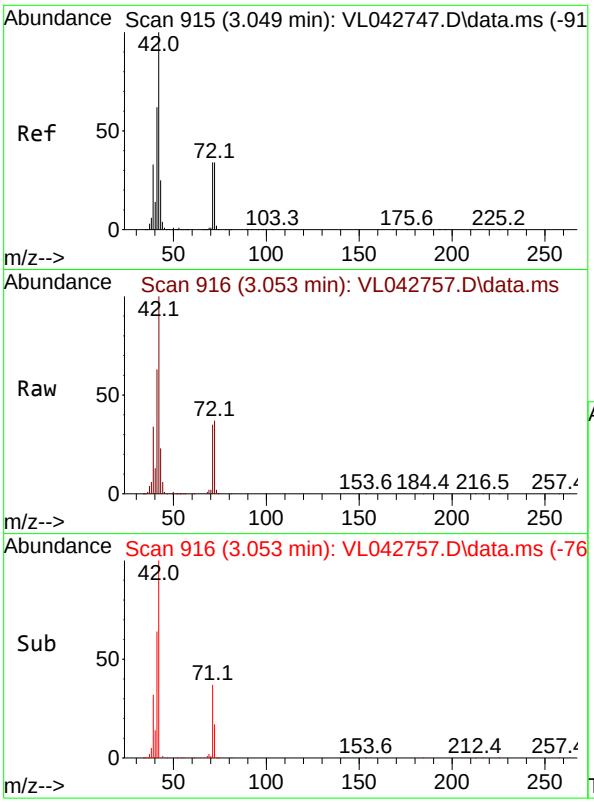


#40
1,4-Dioxane
Concen: 9.450 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 88 Resp: 65828

Ion	Ratio	Lower	Upper
88	100		
58	69.2	58.8	88.2
43	35.3	28.9	43.3
57	0.0	0.0	0.0



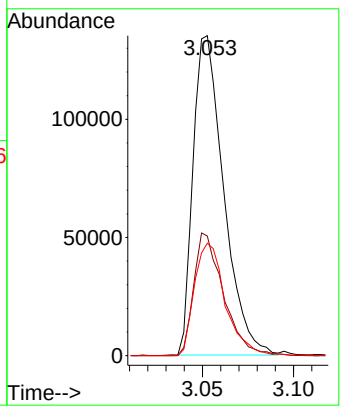


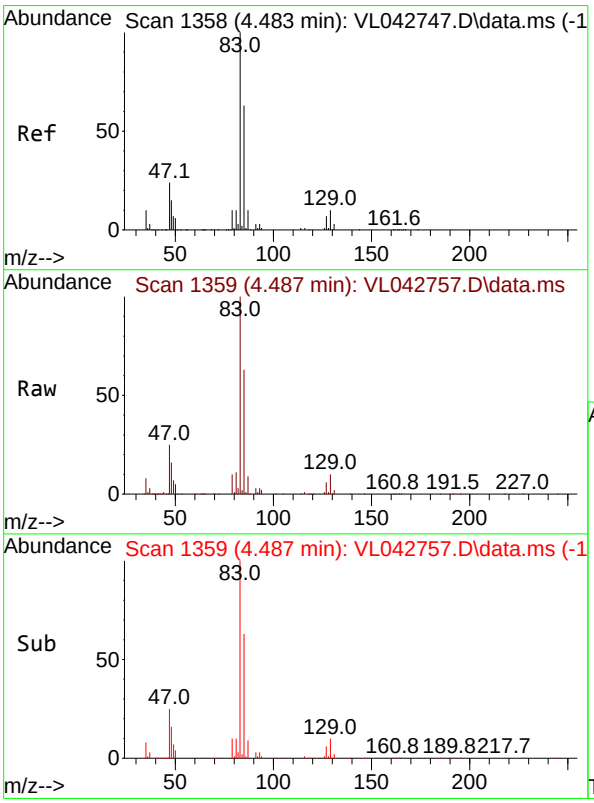
#41
Tetrahydrofuran
Concen: 10.290 ppbv
RT: 3.053 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 158450

Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.9	46.3
71	35.8	28.6	43.0

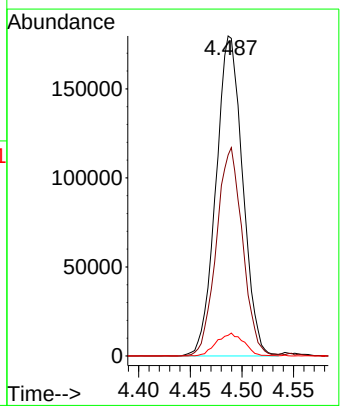


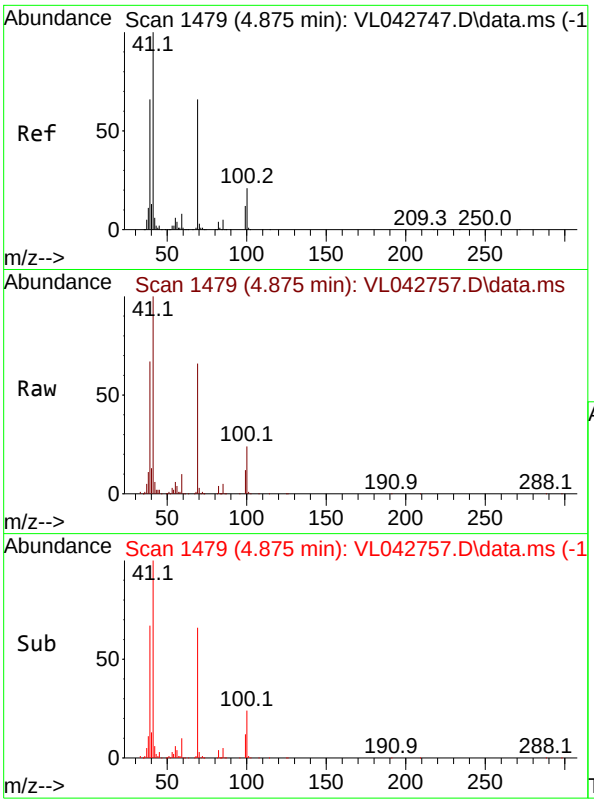


#42
Bromodichloromethane
Concen: 10.190 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 83 Resp: 323680

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	6.4	5.4	8.2



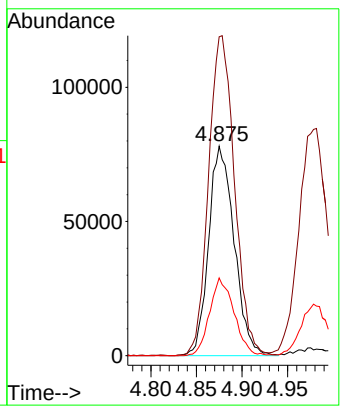


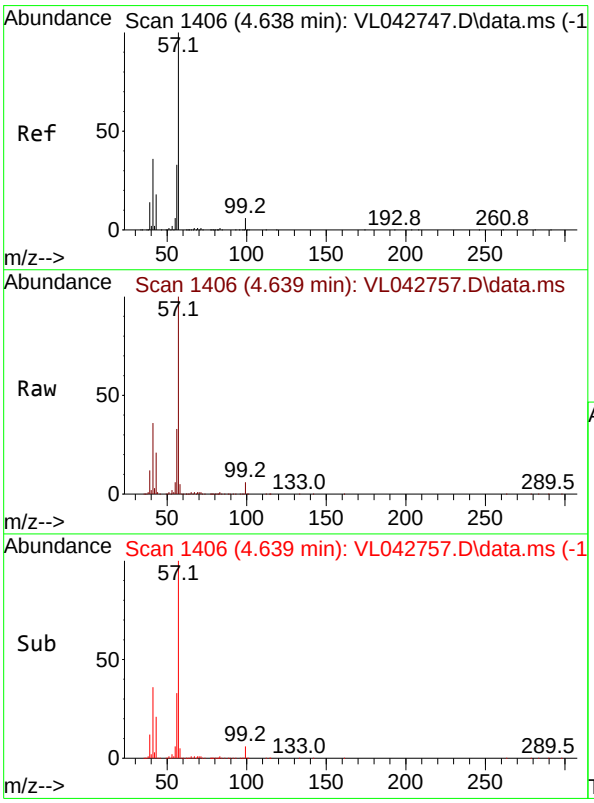
#43
Methyl Methacrylate
Concen: 10.582 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 152285

Ion	Ratio	Lower	Upper
69	100		
41	154.8	125.7	188.5
100	35.6	28.6	42.8

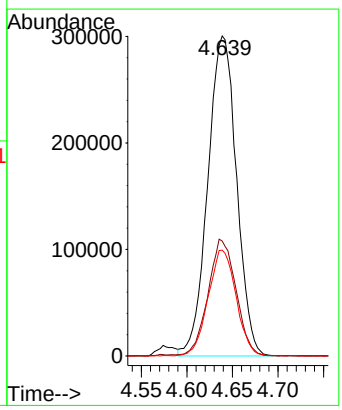


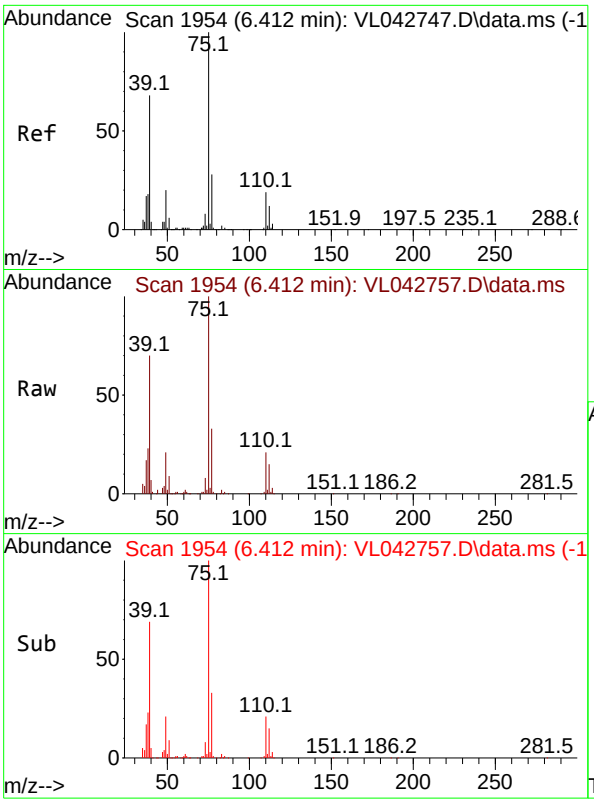


#44
2,2,4-Trimethylpentane
Concen: 9.990 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 57 Resp: 659271

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.3	42.5
56	32.2	25.8	38.6



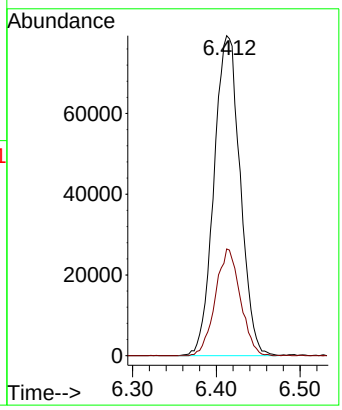


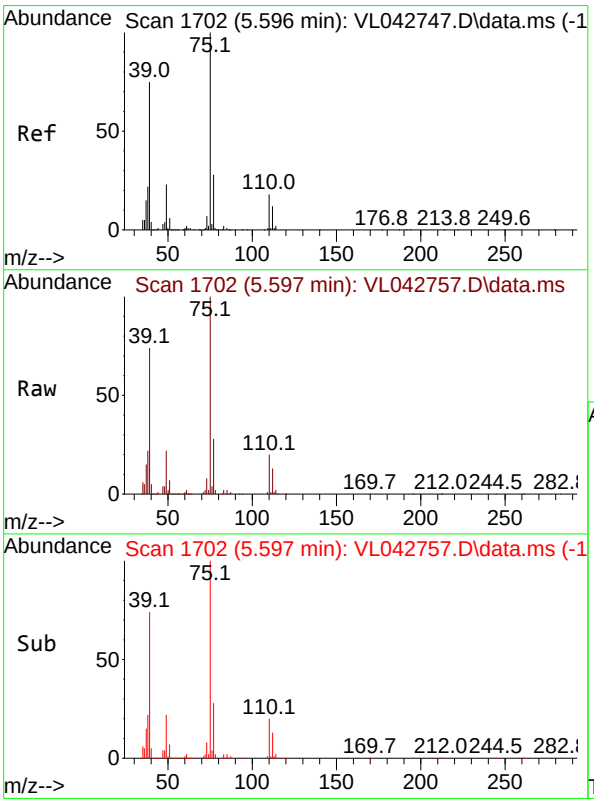
#45
t-1,3-Dichloropropene
Concen: 10.662 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 172061

Ion	Ratio	Lower	Upper
75	100		
77	33.4	22.4	33.6

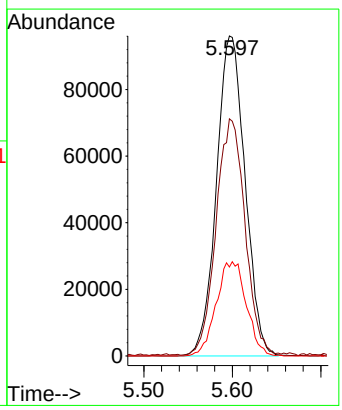


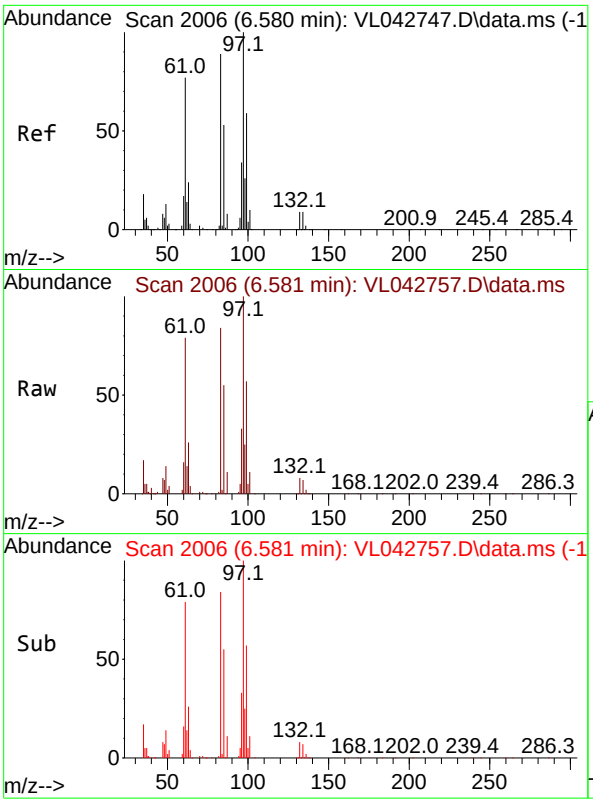


#46
cis-1,3-Dichloropropene
Concen: 10.554 ppbv
RT: 5.597 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 75 Resp: 215829

Ion	Ratio	Lower	Upper
75	100		
39	73.6	60.2	90.2
77	27.8	22.6	34.0



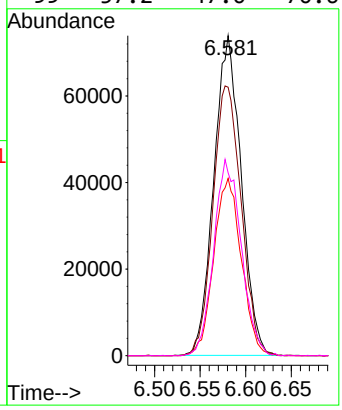


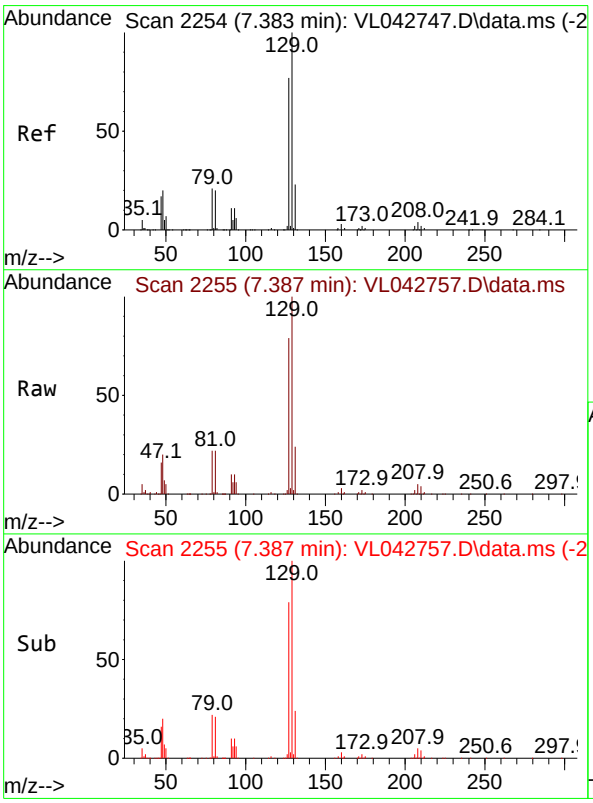
#47
1,1,2-Trichloroethane
Concen: 9.676 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 154154

Ion	Ratio	Lower	Upper
97	100		
83	84.0	71.1	106.7
85	55.4	43.0	64.4
99	57.2	47.0	70.6

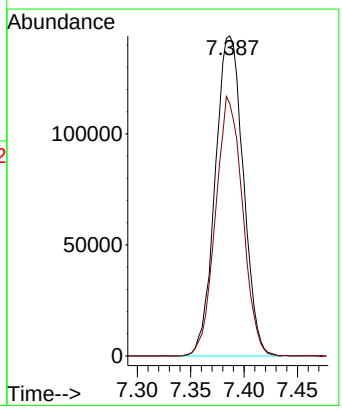


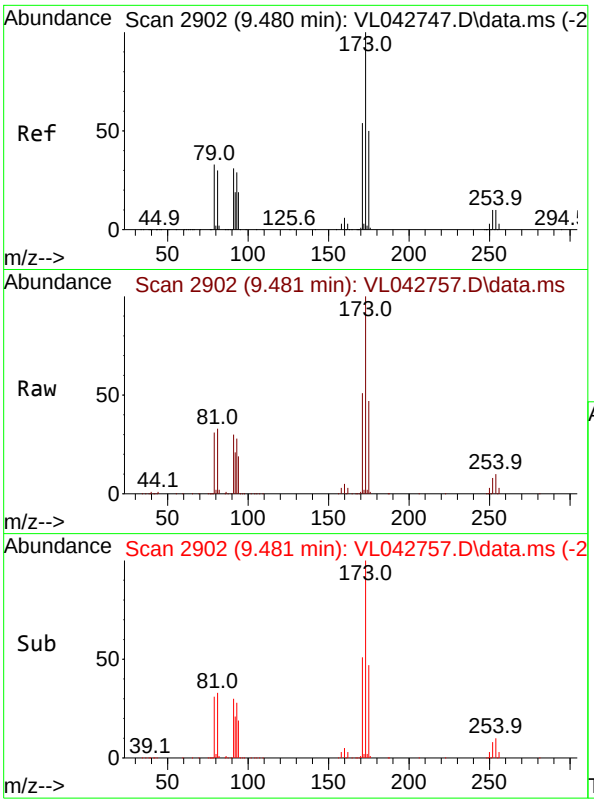


#48
Dibromochloromethane
Concen: 10.419 ppbv
RT: 7.387 min Scan# 2255
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:129 Resp: 263525

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.7	116.1



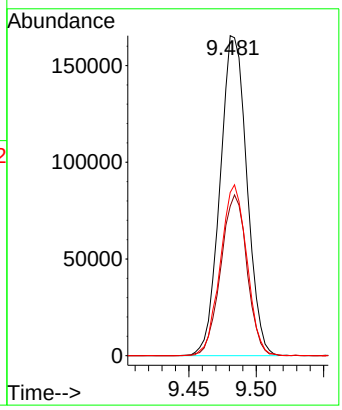


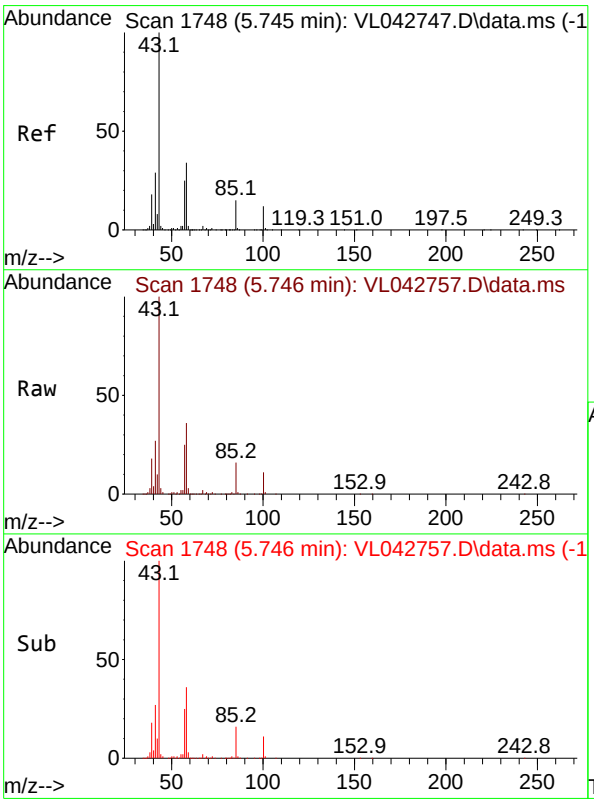
#49
Bromoform
Concen: 10.390 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 229121

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.4	57.6
171	52.7	40.9	61.3

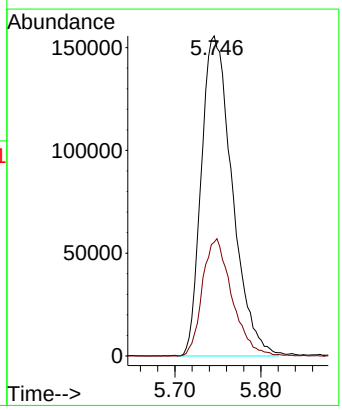


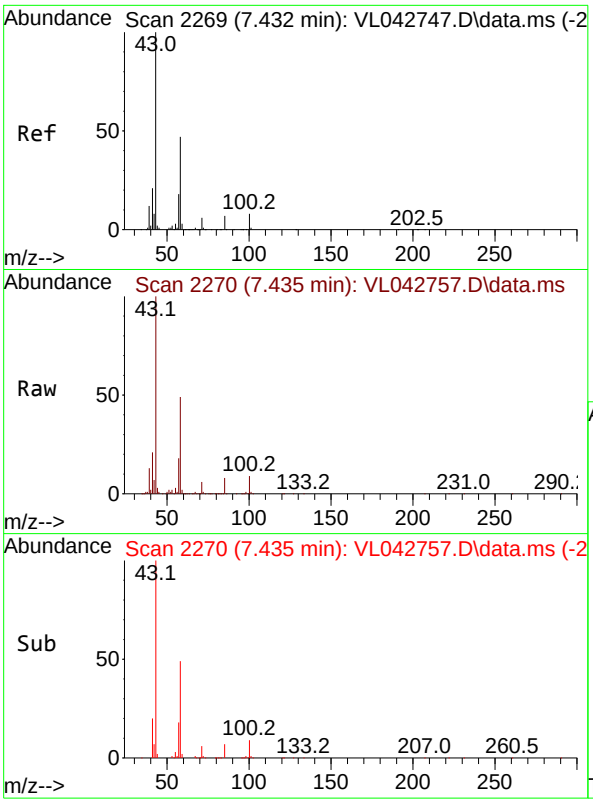


#50
4-Methyl-2-Pentanone
Concen: 9.953 ppbv
RT: 5.746 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 43 Resp: 387968

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.8	41.8



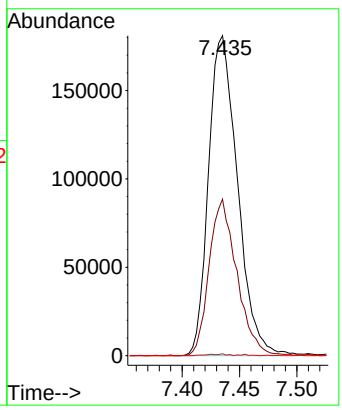


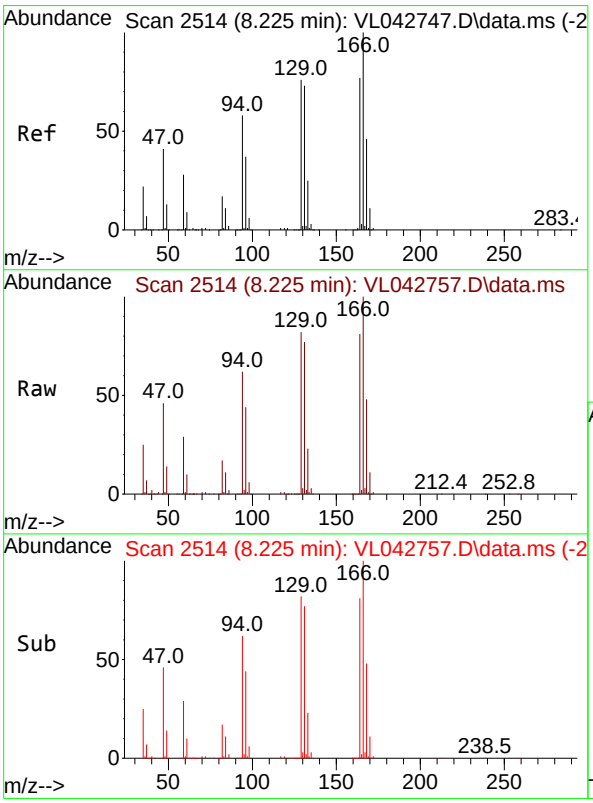
#51
2-Hexanone
Concen: 10.761 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 317003

Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.0	57.0
98	0.5	0.2	0.4#

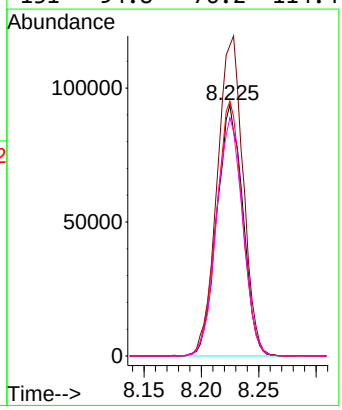


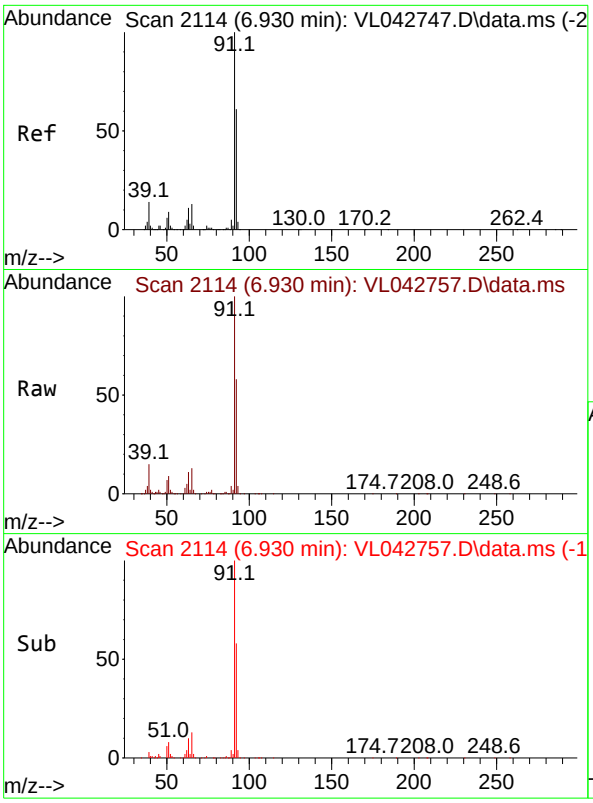


#52
Tetrachloroethene
Concen: 8.758 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:164 Resp: 146976

Ion	Ratio	Lower	Upper
164	100		
166	123.6	104.0	156.0
129	101.5	79.2	118.8
131	94.8	76.2	114.4



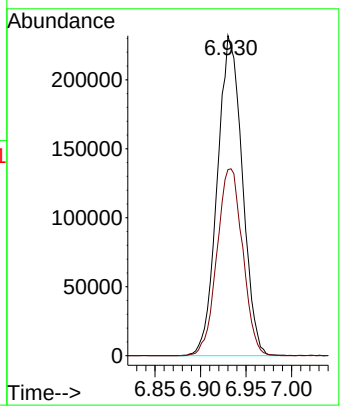


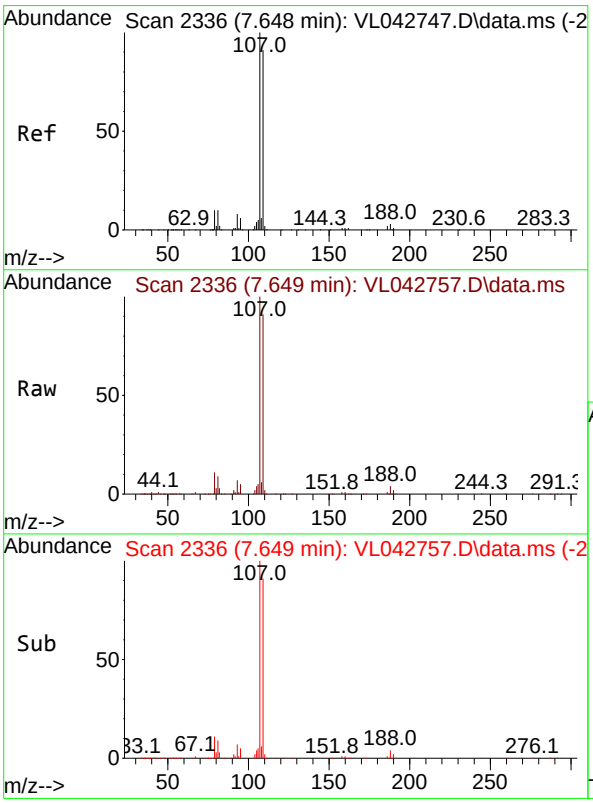
#53
Toluene
Concen: 10.175 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 442405

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.0	72.0

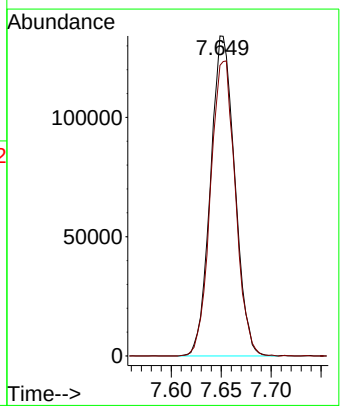


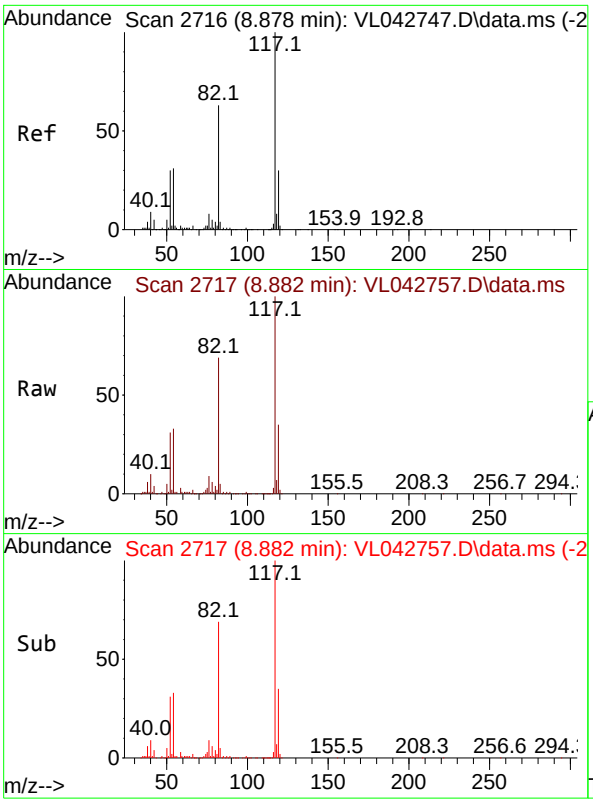


#54
1,2-Dibromoethane
Concen: 10.094 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:107 Resp: 227212

Ion	Ratio	Lower	Upper
107	100		
109	90.8	72.7	109.1



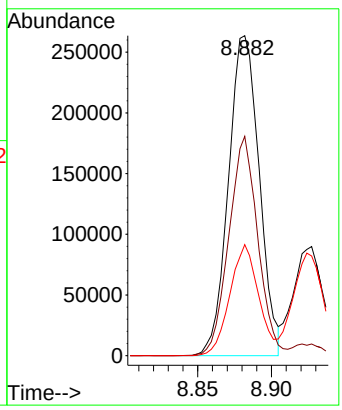


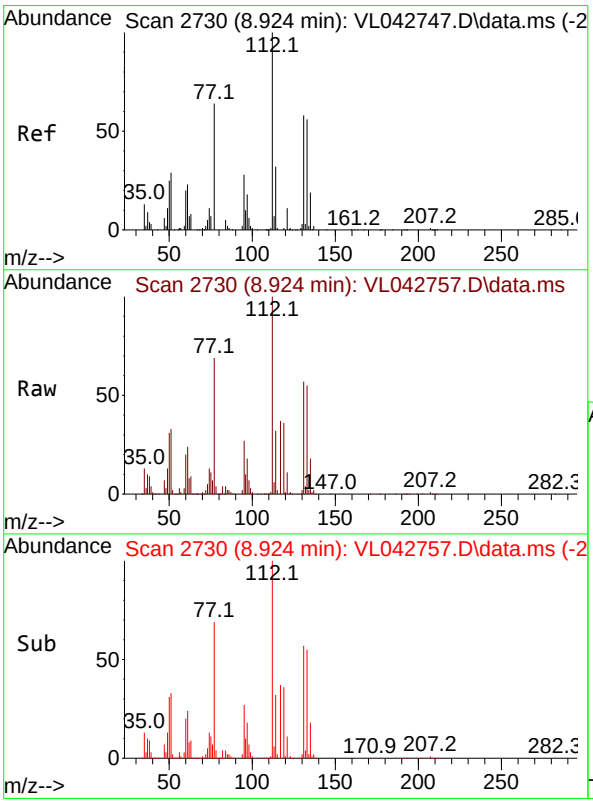
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 383056

Ion	Ratio	Lower	Upper
117	100		
82	68.0	53.3	79.9
119	32.2	25.8	38.6

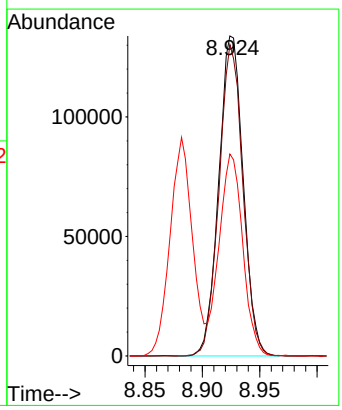


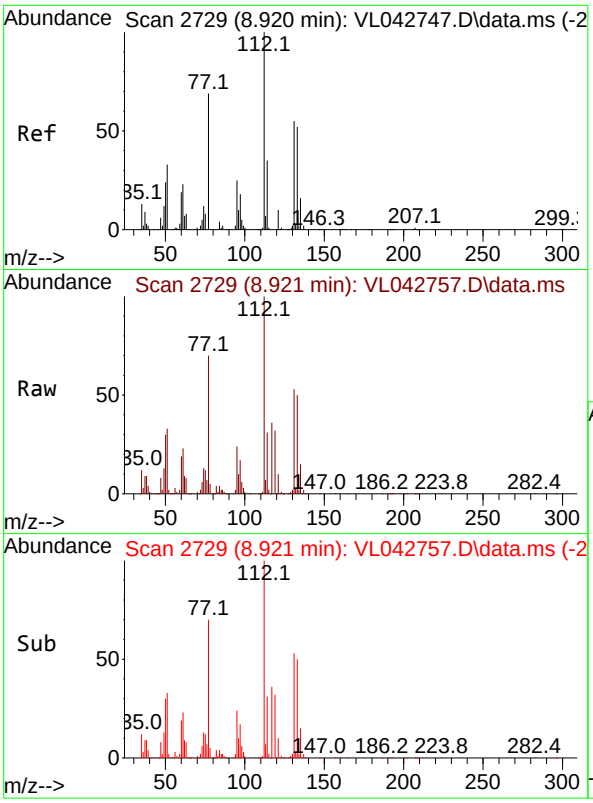


#56
1,1,1,2-Tetrachloroethane
Concen: 9.946 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:131 Resp: 198082

Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.8	115.2
119	61.8	49.7	74.5



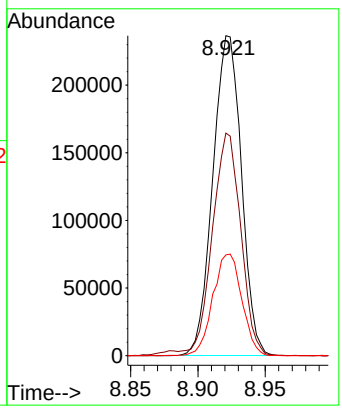


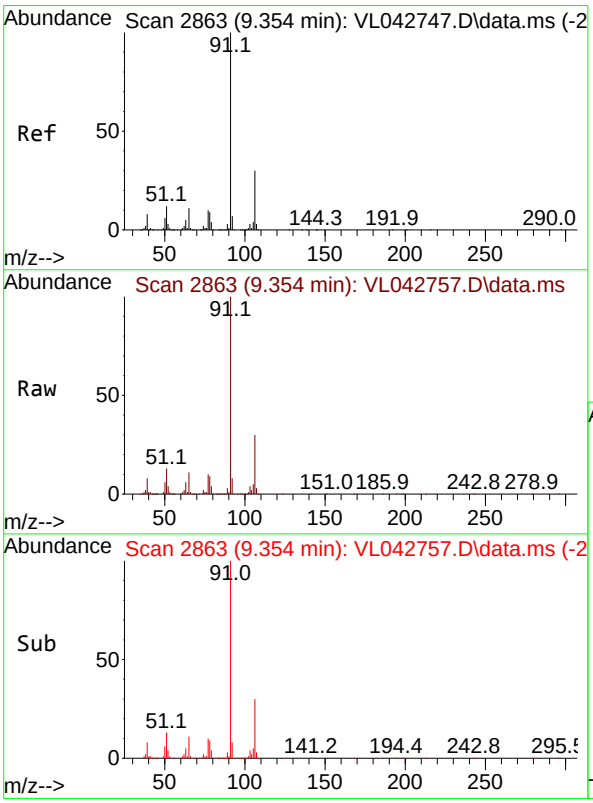
#57
Chlorobenzene
Concen: 9.419 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 349201

Ion	Ratio	Lower	Upper
112	100		
77	69.5	56.4	84.6
114	31.4	31.2	38.2

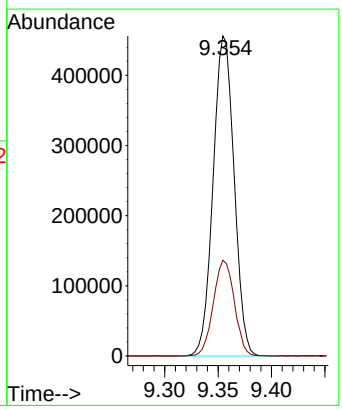


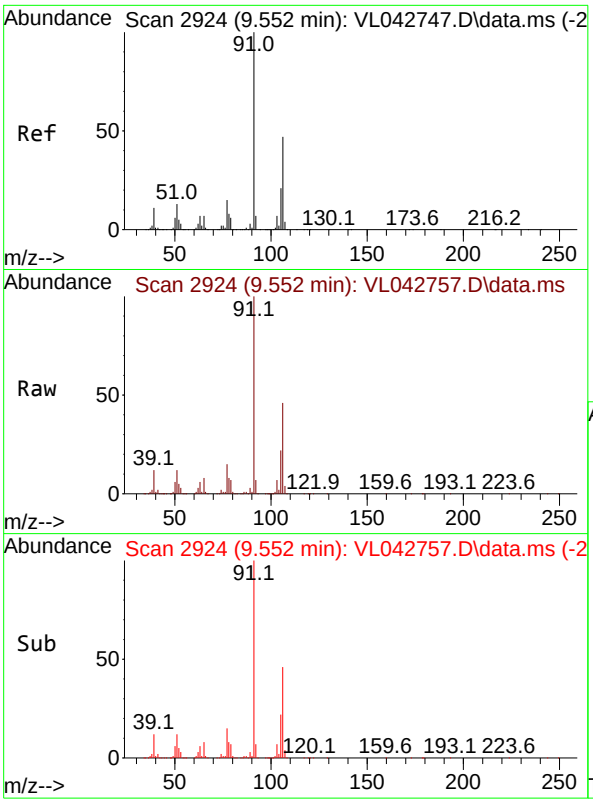


#58
Ethyl Benzene
Concen: 10.298 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 622947

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.6



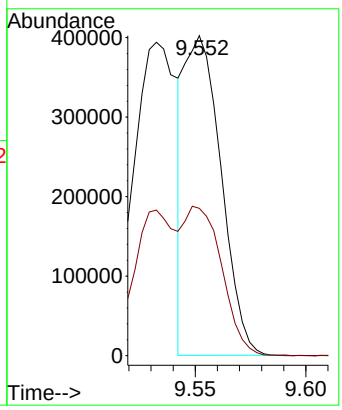


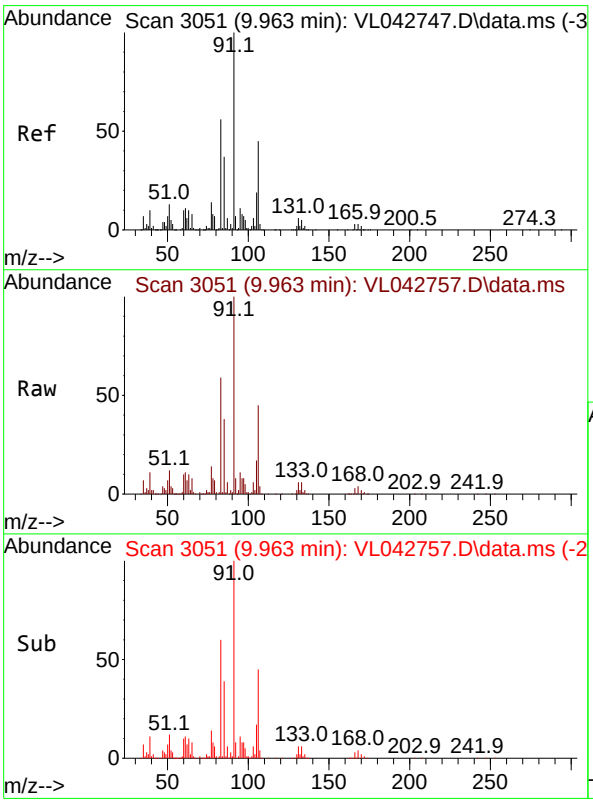
#59
m/p-Xylene
Concen: 9.583 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 463296

Ion	Ratio	Lower	Upper
91	100		
106	101.1	37.4	56.2#

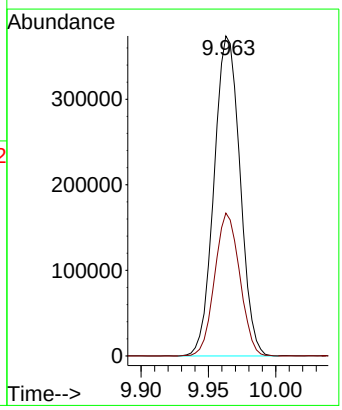


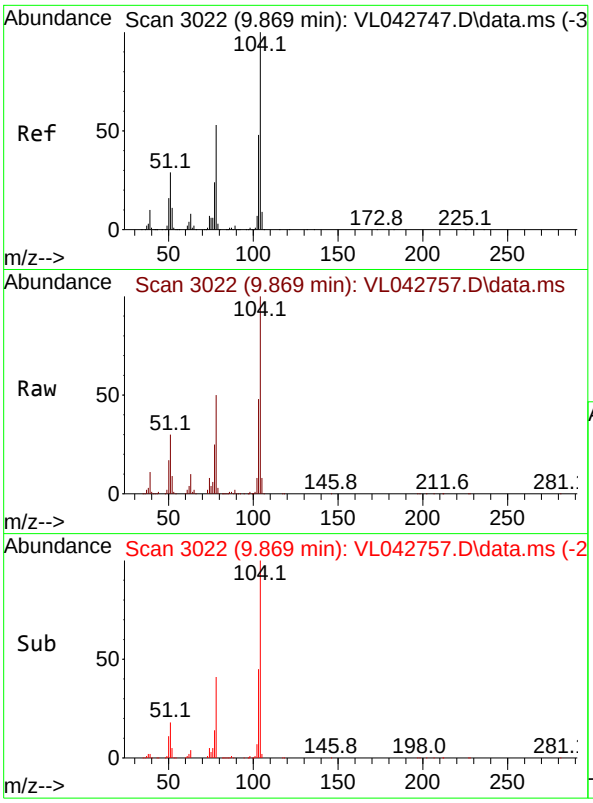


#60
o-Xylene
Concen: 10.353 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 500129

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.0	66.0



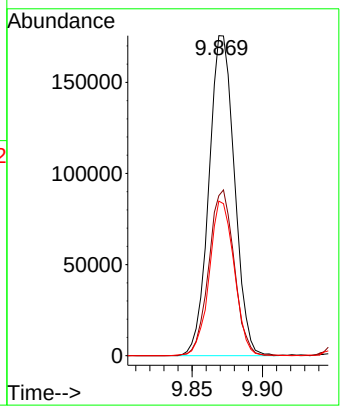


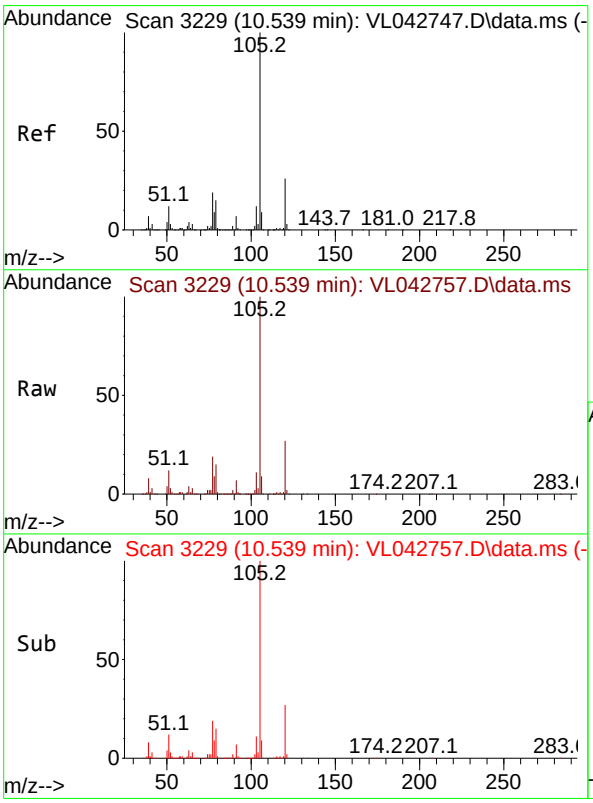
#61
Styrene
Concen: 10.920 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 221916

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.5	62.3
103	47.2	37.5	56.3

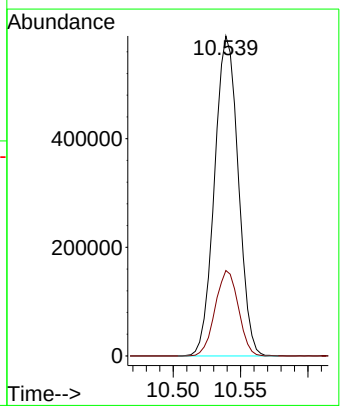


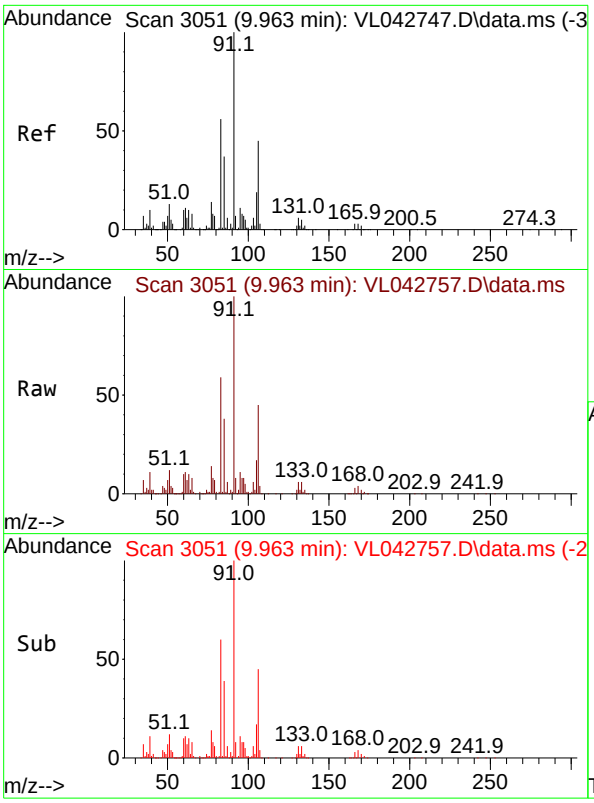


#62
Isopropylbenzene
Concen: 10.134 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 722087

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7



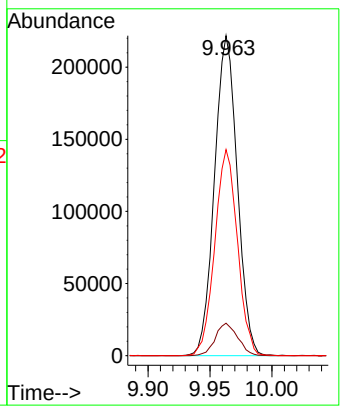


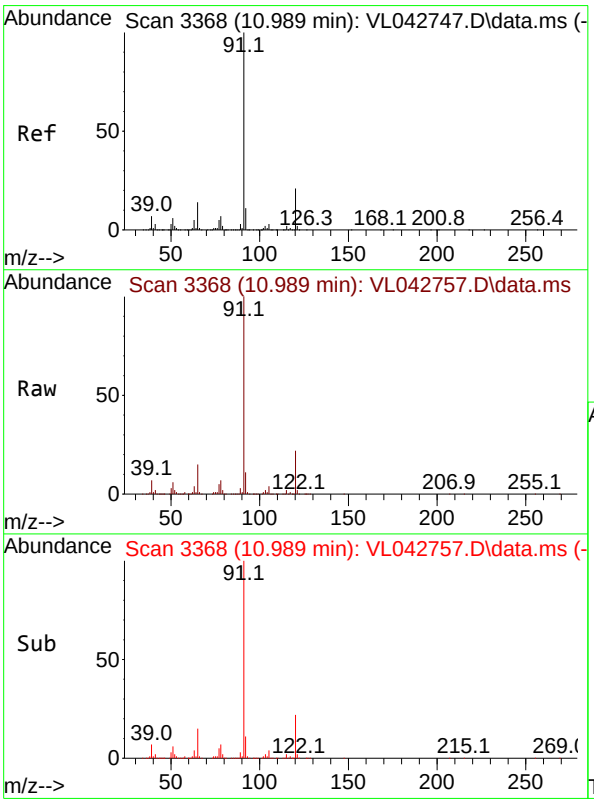
#63
1,1,2,2-Tetrachloroethane
Concen: 9.171 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 284428

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	63.9	32.6	97.7

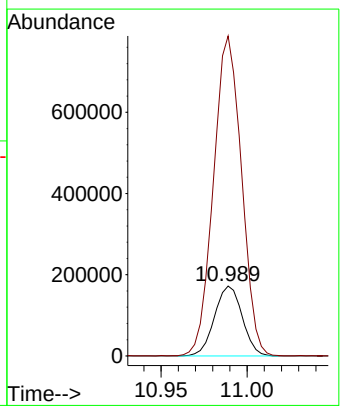


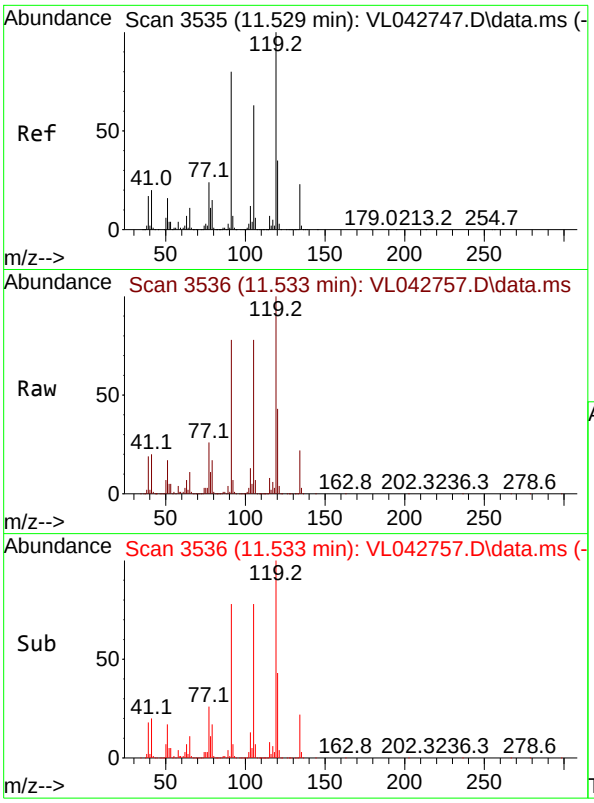


#64
n-propylbenzene
Concen: 10.381 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:120 Resp: 192843

Ion	Ratio	Lower	Upper
120	100		
91	463.5	372.7	559.1



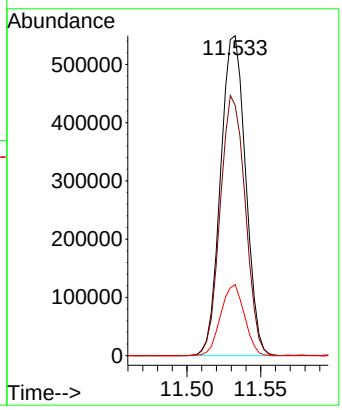


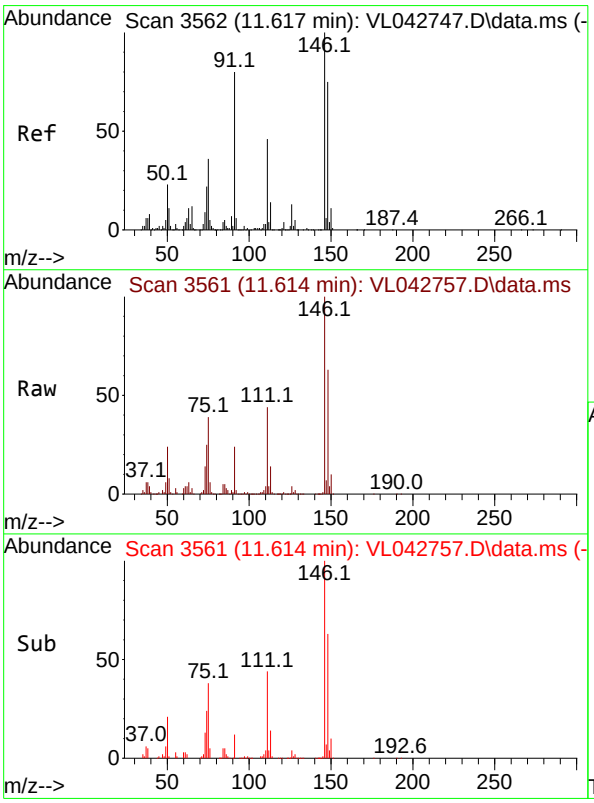
#65
tert-Butylbenzene
Concen: 10.234 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 647770

Ion	Ratio	Lower	Upper
119	100		
91	81.7	64.0	96.0
134	21.1	17.3	25.9

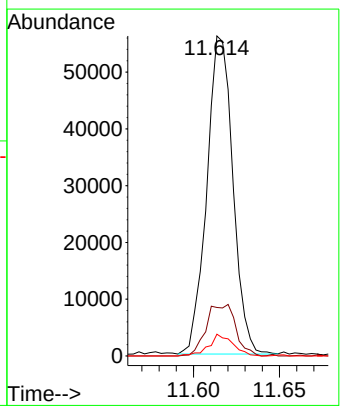


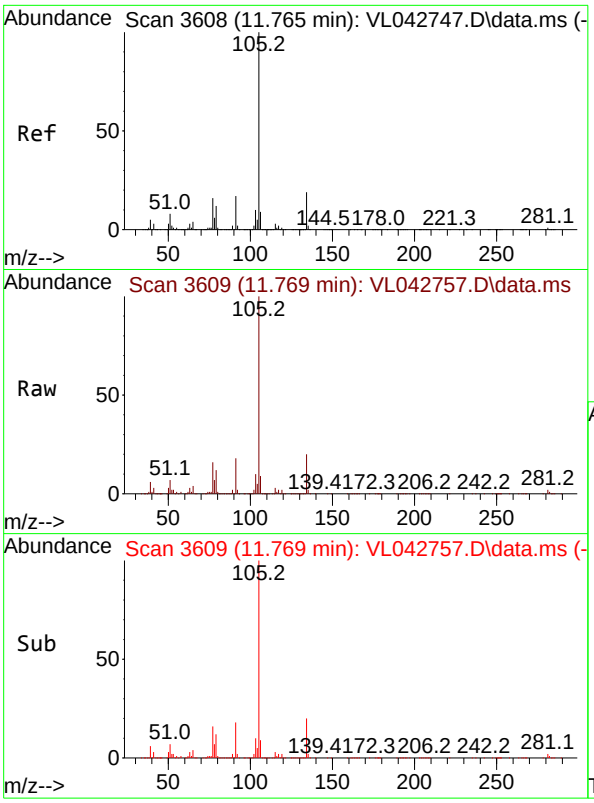


#66
Benzyl Chloride
Concen: 11.381 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 59138

Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.4	21.6
128	6.5	5.2	7.8



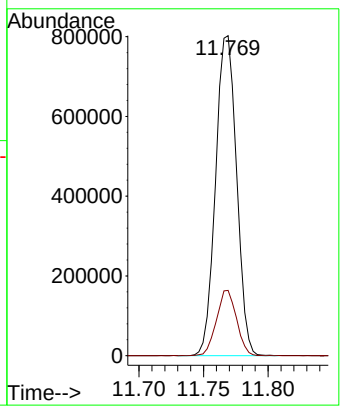


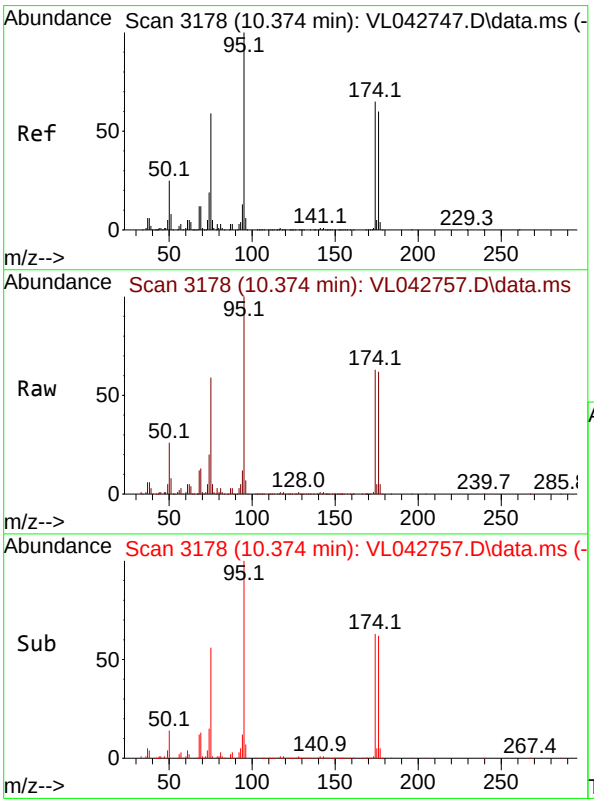
#67
sec-Butylbenzene
Concen: 10.057 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 905366

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3

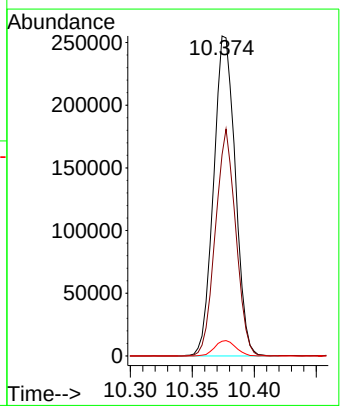


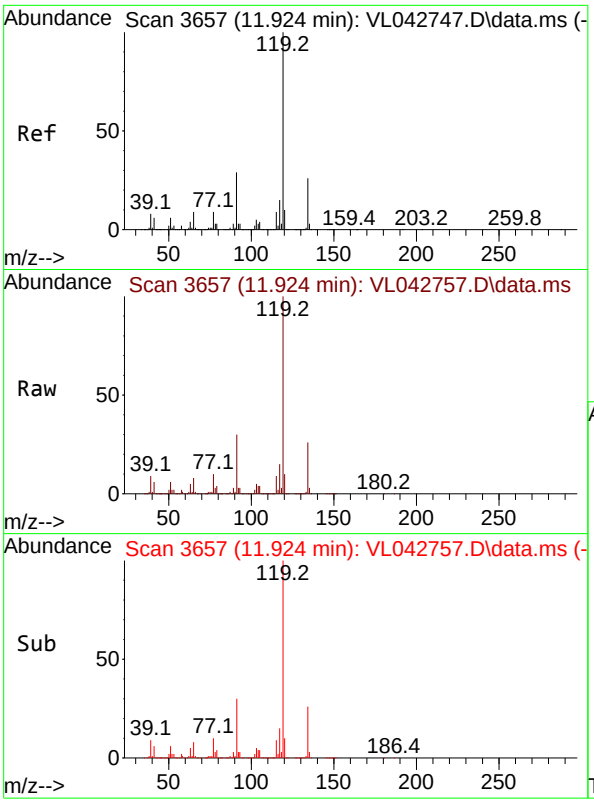


#68
1-Bromo-4-Fluorobenzene
Concen: 10.257 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 95 Resp: 311165

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.8	80.6
175	4.7	4.0	6.0



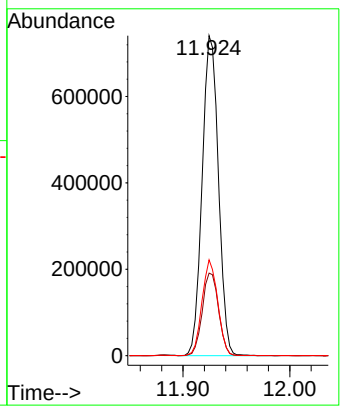


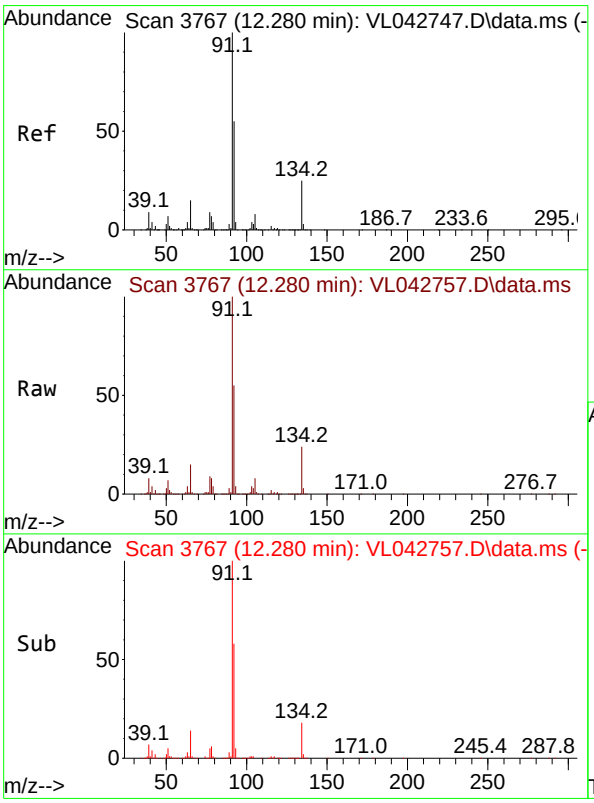
#69
p-Isopropyltoluene
Concen: 10.660 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 782501

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	29.1	23.2	34.8

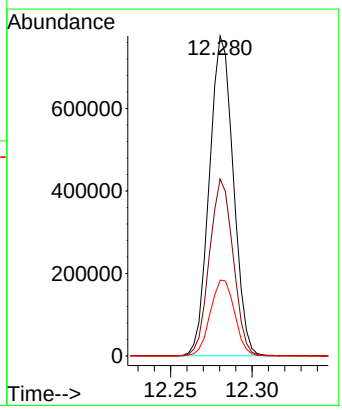


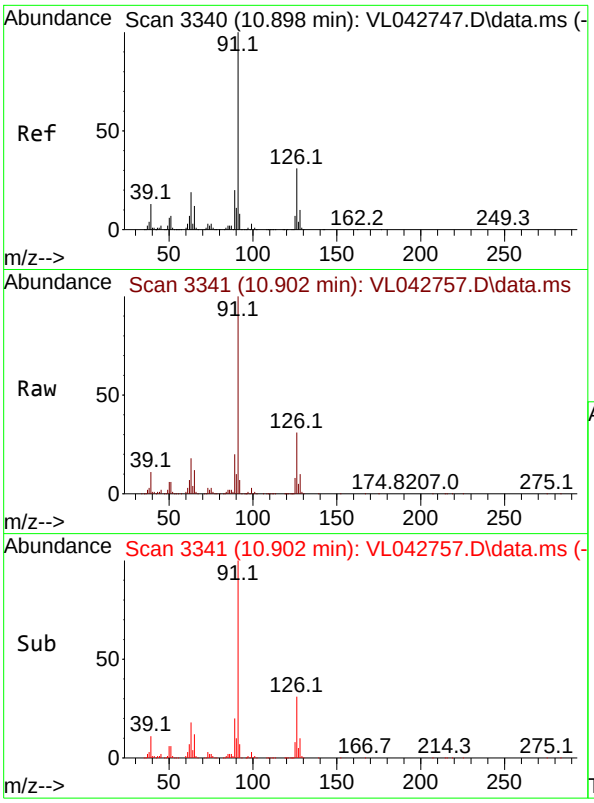


#70
n-Butylbenzene
Concen: 11.177 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion: 91 Resp: 792521

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.4	65.2
134	24.2	19.6	29.4



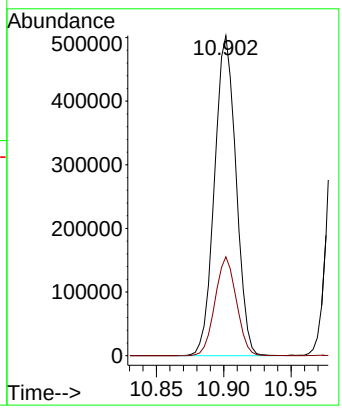


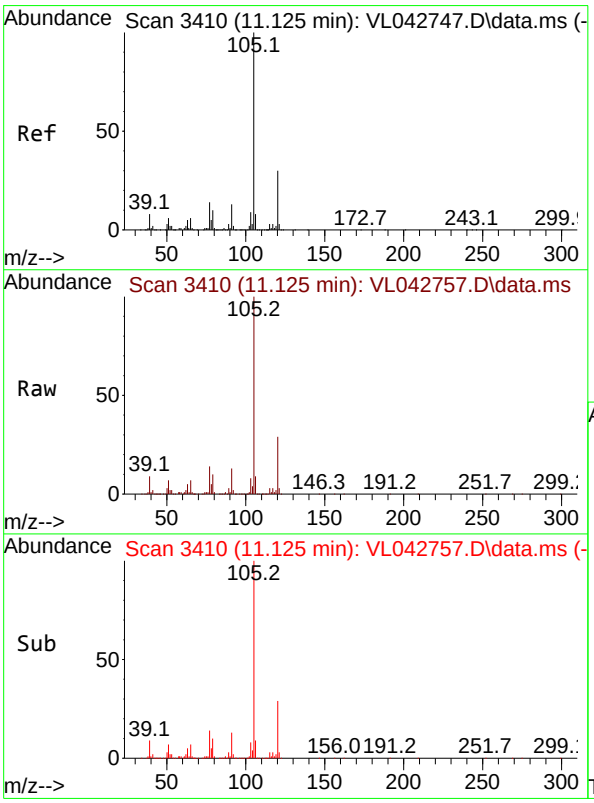
#71
2-Chlorotoluene
Concen: 10.211 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 557912

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.0	48.2

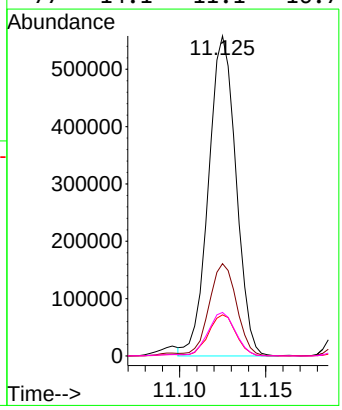


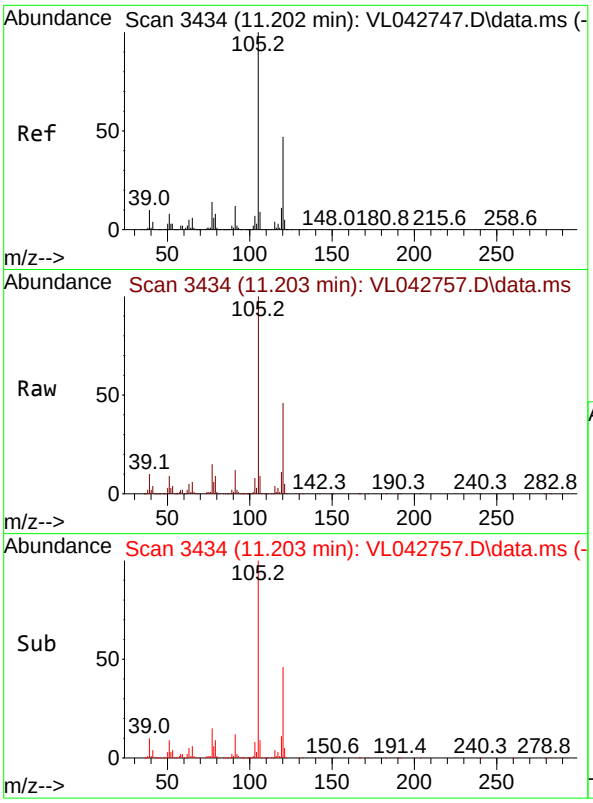


#72
4-Ethyltoluene
Concen: 10.747 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 620030

Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.4	36.6
91	13.3	10.6	15.8
77	14.1	11.1	16.7



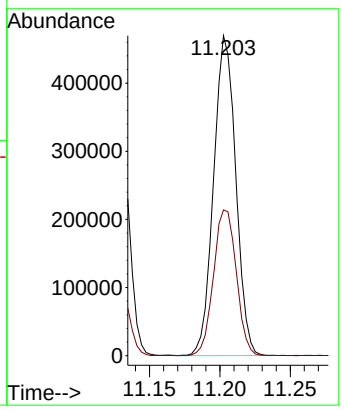


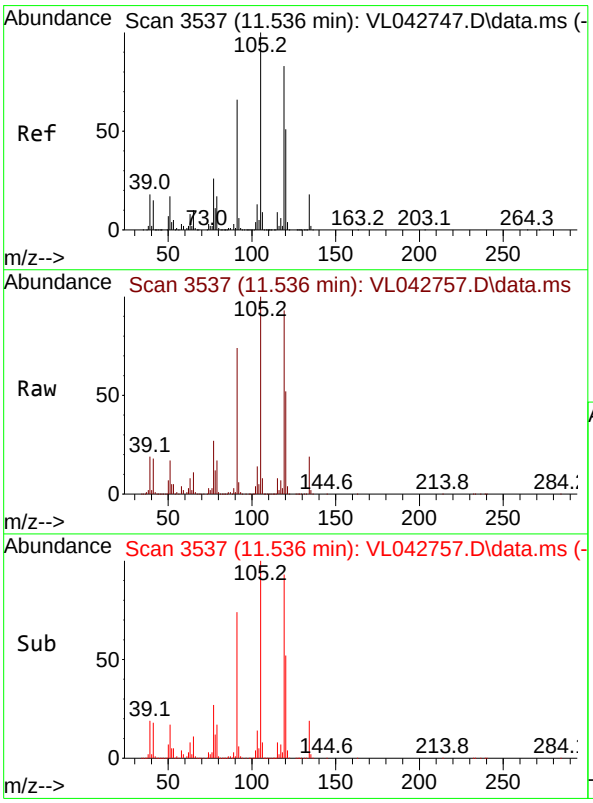
#73
1,3,5-Trimethylbenzene
Concen: 10.856 ppbv
RT: 11.203 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 515645

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.8	56.8

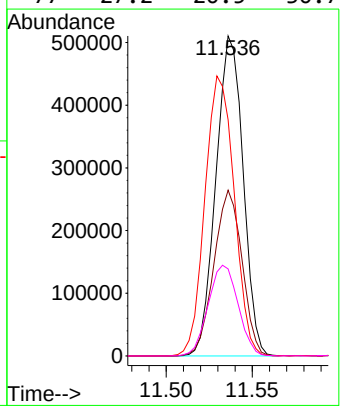


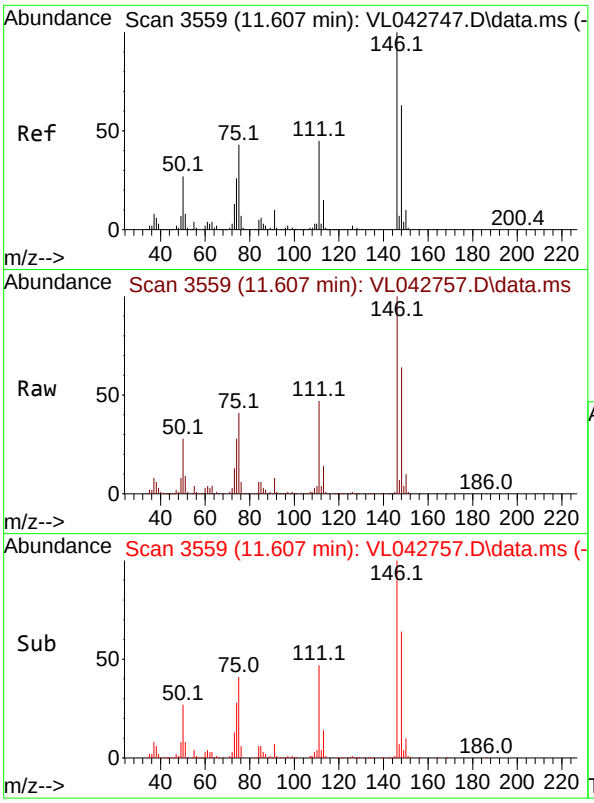


#74
1,2,4-Trimethylbenzene
Concen: 10.834 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:105 Resp: 561445

Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.8	61.2
91	73.8	53.0	79.4
77	27.2	20.5	30.7



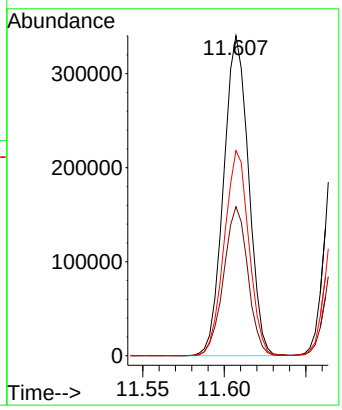


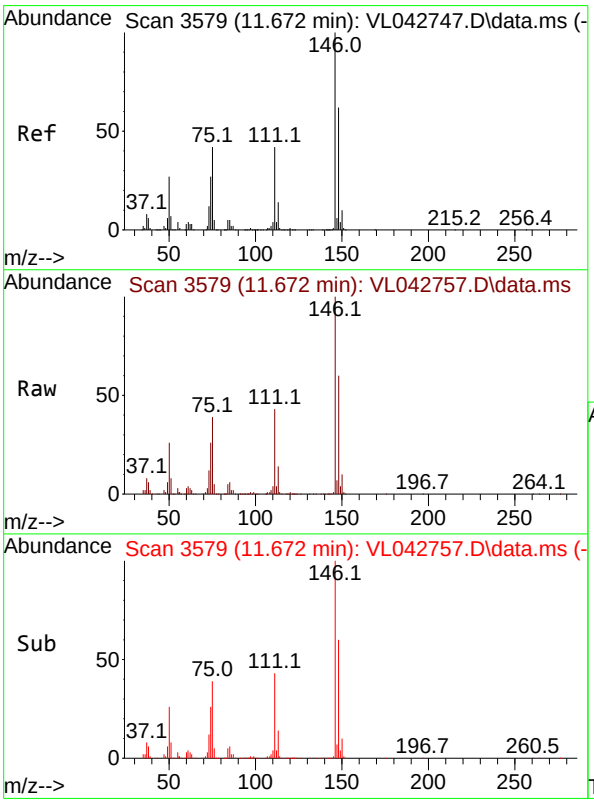
#75
1,3-Dichlorobenzene
Concen: 9.953 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 361599

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.7	68.0
148	63.5	31.9	95.5

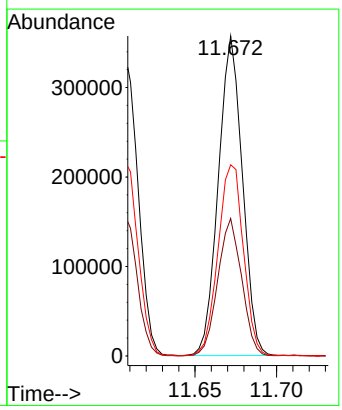


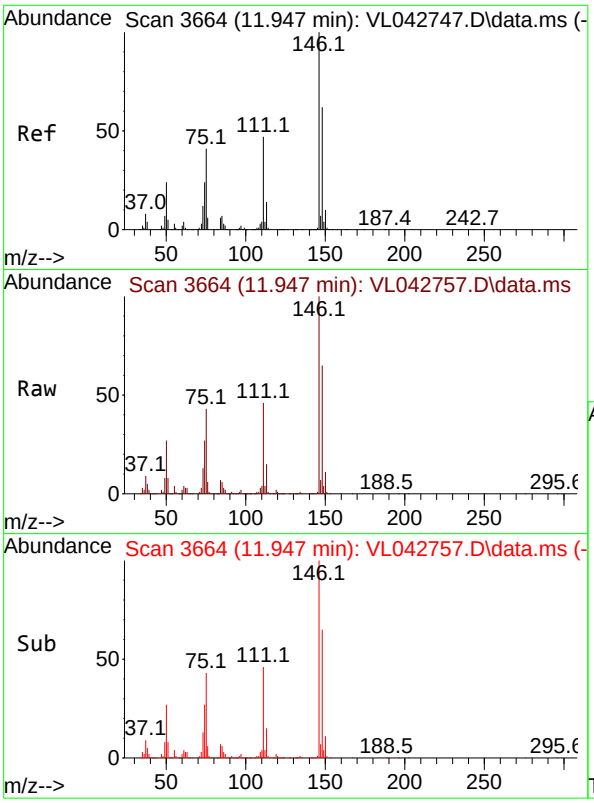


#76
1,4-Dichlorobenzene
Concen: 10.312 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:146 Resp: 366590

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.2
148	63.5	32.1	96.3



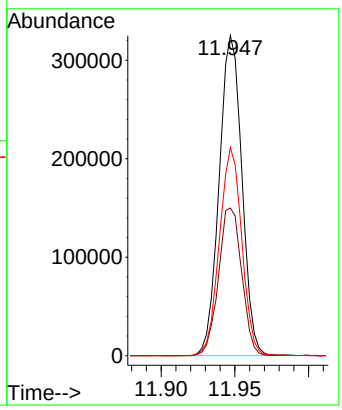


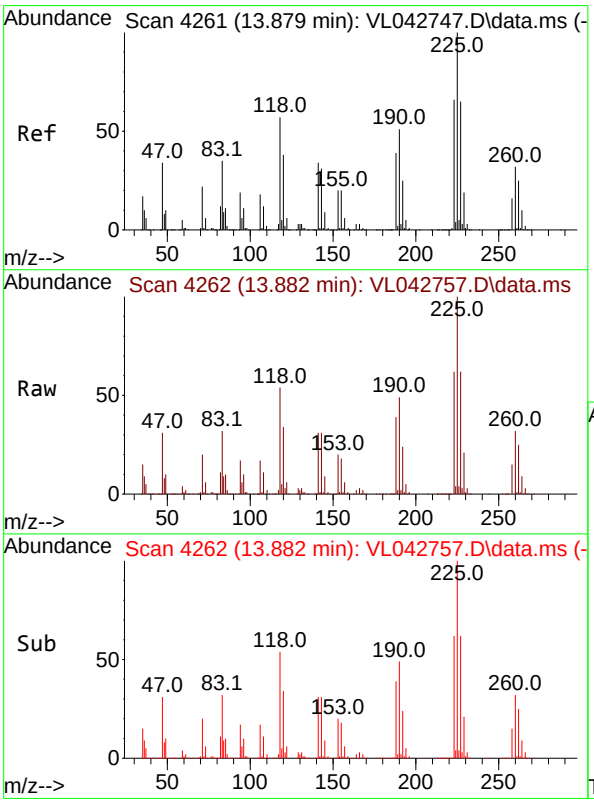
#77
1,2-Dichlorobenzene
Concen: 9.761 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 348523

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.7	71.1
148	64.1	32.6	97.7

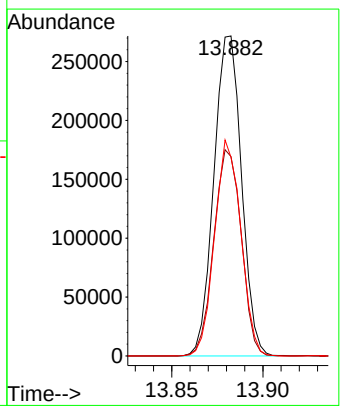


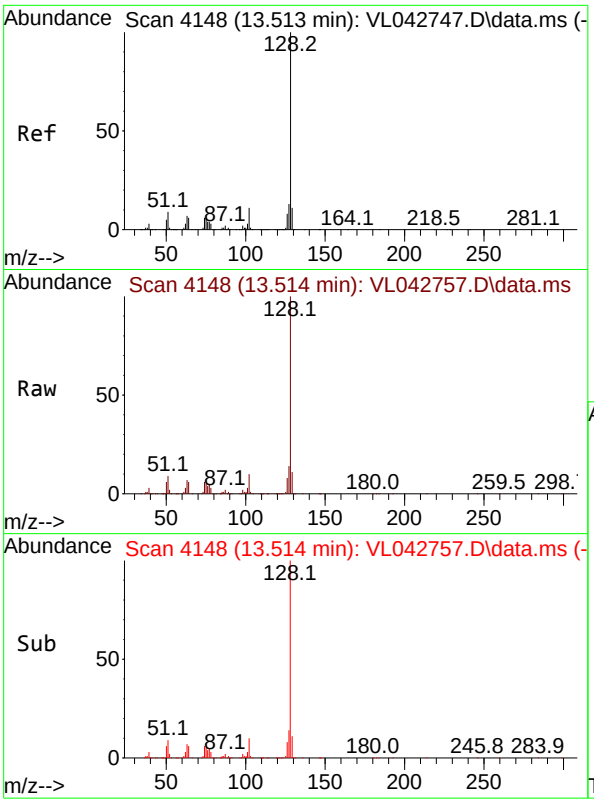


#78
Hexachloro-1,3-Butadiene
Concen: 8.868 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:225 Resp: 286611

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.7	76.1
227	64.0	50.5	75.7



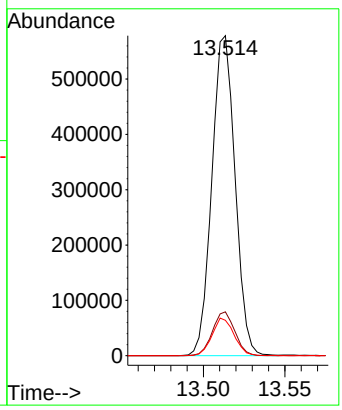


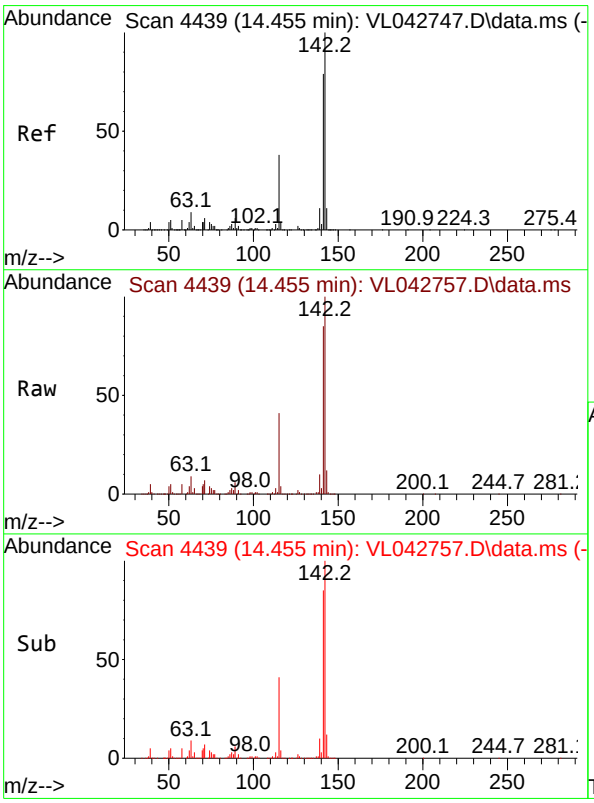
#79
Naphthalene
Concen: 10.185 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 573161

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.6	13.0

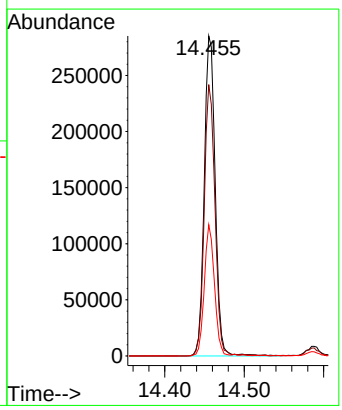


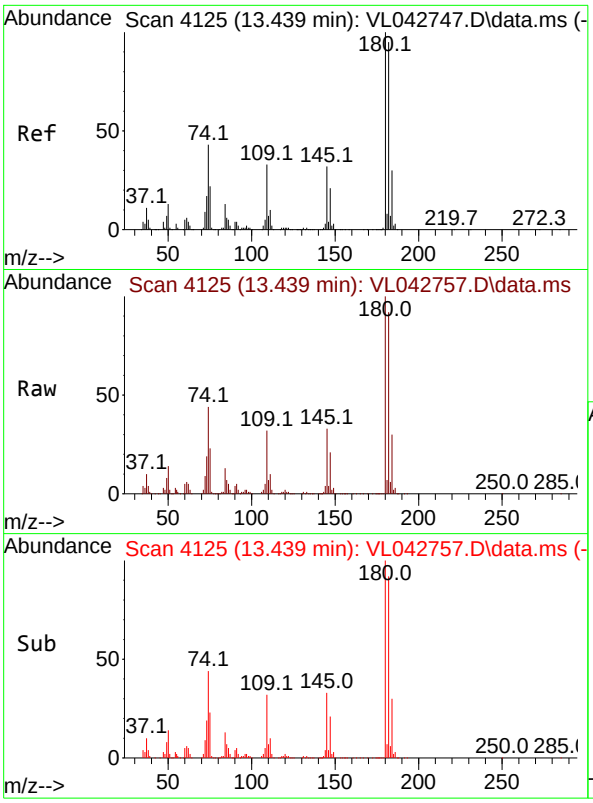


#80
Naphthalene,2-methyl-
Concen: 9.773 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Tgt Ion:142 Resp: 273990

Ion	Ratio	Lower	Upper
142	100		
141	83.9	65.8	98.8
115	38.9	31.2	46.8



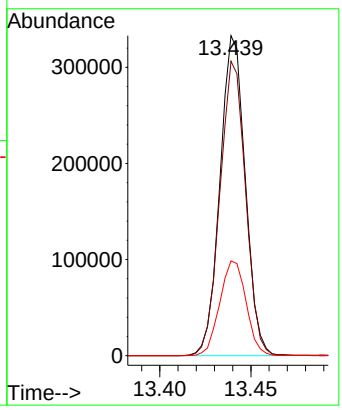


#81
1,2,4-Trichlorobenzene
Concen: 10.157 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042757.D
Acq: 24 Jul 2025 08:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 321227

Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.2	114.2
184	30.9	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042759.D
Acq On : 24 Jul 2025 10:57
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	147044	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	409745	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	372748	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	301860	10.226	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	180968	9.308	ppbv		100
3) Chlorodifluoromethane	1.473	51	242102	9.559	ppbv		100
4) Chloromethane	1.531	50	73859	9.390	ppbv		96
5) Vinyl Chloride	1.577	62	63036	8.112	ppbv		98
6) Bromomethane	1.667	94	28082	9.347	ppbv		93
7) Chloroethane	1.703	64	24726	8.235	ppbv	#	86
8) Dichlorotetrafluoroethane	1.551	85	144903	9.063	ppbv		98
9) Propene	1.483	41	84555	9.186	ppbv		98
10) Heptane	4.972	43	246854	9.946	ppbv		99
11) Trichlorofluoromethane	1.874	101	185482	9.255	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.137	101	145000	9.521	ppbv		97
13) Ethanol	1.719	45	7271	9.697	ppbv		95
14) Bromoethene	1.781	108	49468	9.174	ppbv		98
15) Acetone	1.832	43	151299	7.451	ppbv		98
16) 1,3-Butadiene	1.606	39	76114	8.788	ppbv		98
17) tert-Butyl alcohol	2.036	59	163459	8.926	ppbv		96
18) 1,1-Dichloroethene	2.030	96	60208	8.750	ppbv		94
19) Isopropyl Alcohol	1.884	45	96416	8.936	ppbv	#	40
20) Methylene Chloride	2.059	84	52131	8.147	ppbv		97
21) Allyl Chloride	2.091	41	119495	9.549	ppbv		98
22) trans-1,2-Dichloroethene	2.337	96	68496	9.253	ppbv		98
23) Vinyl Acetate	2.460	43	238863	9.704	ppbv		98
24) 1,1-Dichloroethane	2.405	63	140101	9.221	ppbv		98
25) Ethyl Acetate	2.829	43	435118	9.681	ppbv		100
26) Hexane	2.823	57	191824	9.730	ppbv		98
27) Carbon Disulfide	2.146	76	166394	9.858	ppbv		96
28) Methyl tert-Butyl Ether	2.438	73	80712	8.666	ppbv		99
29) Chloroform	2.845	83	296040	9.717	ppbv		97
30) Cyclohexane	3.852	84	162375	9.711	ppbv		98
31) cis-1,2-Dichloroethene	2.716	61	193439	9.548	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	293531	9.250	ppbv		99
34) 2-Butanone	2.551	43	288013	9.923	ppbv		100
35) Carbon Tetrachloride	3.758	117	313003	10.284	ppbv		96
36) Benzene	3.651	78	382210	9.842	ppbv		99
37) 1,2-Dichloroethane	3.214	62	237484	10.152	ppbv		100
38) Trichloroethene	4.541	130	170959	9.164	ppbv		96
39) 1,2-Dichloropropane	4.308	63	141270	9.855	ppbv		95
40) 1,4-Dioxane	4.574	88	64606	9.669	ppbv	#	94
41) Tetrahydrofuran	3.049	42	155794	10.549	ppbv		98
42) Bromodichloromethane	4.483	83	319463	10.486	ppbv		97
43) Methyl Methacrylate	4.872	69	149548	10.835	ppbv		98
44) 2,2,4-Trimethylpentane	4.632	57	652445	10.308	ppbv		99
45) t-1,3-Dichloropropene	6.406	75	166529	10.759	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042759.D
Acq On : 24 Jul 2025 10:57
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

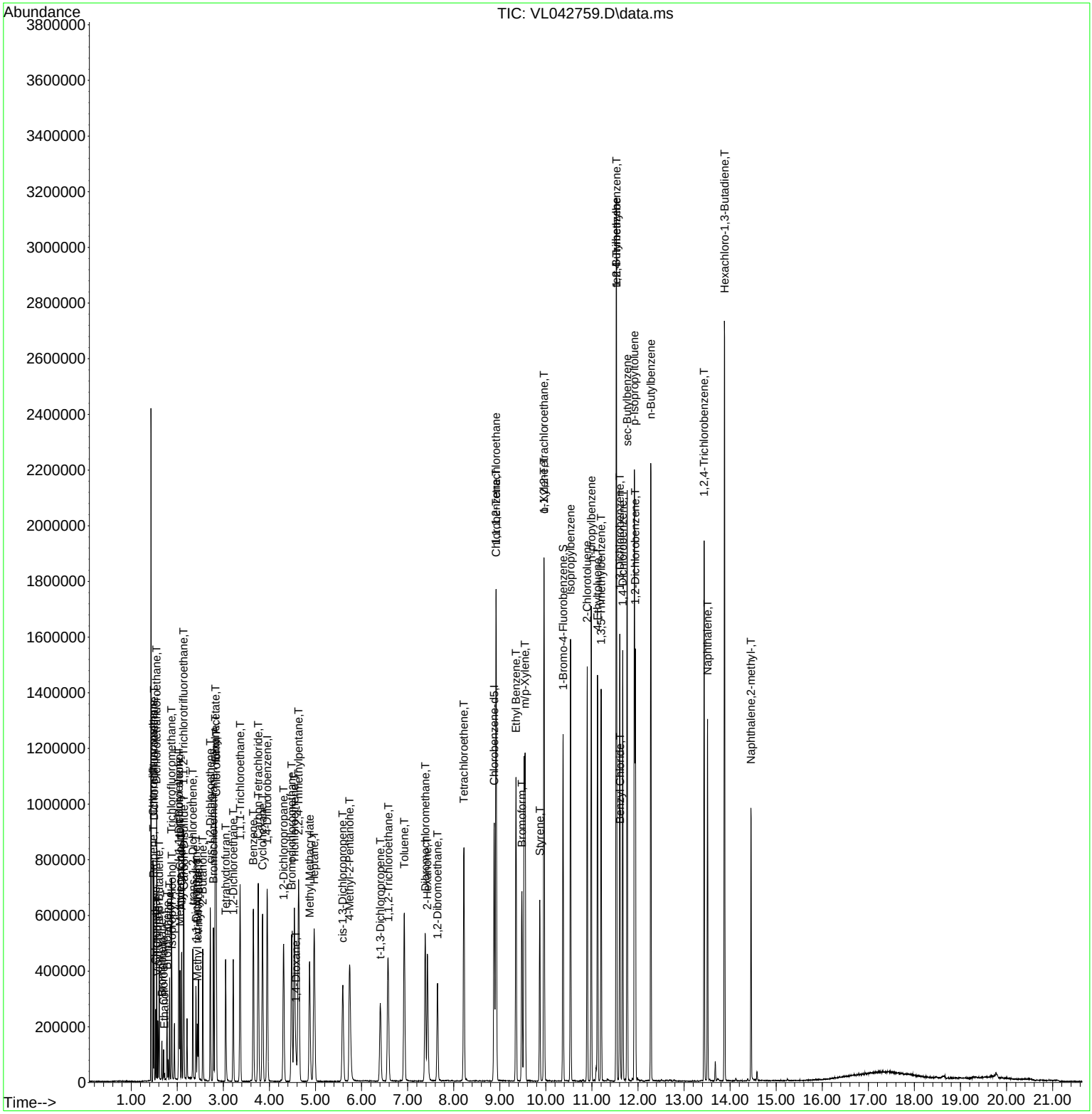
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	209089	10.660	ppbv		93
47) 1,1,2-Trichloroethane	6.581	97	152989	10.012	ppbv		92
48) Dibromochloromethane	7.383	129	261055	10.762	ppbv		100
49) Bromoform	9.481	173	232332	10.984	ppbv		100
50) 4-Methyl-2-Pentanone	5.739	43	383204	10.249	ppbv		100
51) 2-Hexanone	7.429	43	311933	11.041	ppbv	#	99
52) Tetrachloroethene	8.222	164	143808	8.934	ppbv		97
53) Toluene	6.927	91	429910	10.310	ppbv		100
54) 1,2-Dibromoethane	7.649	107	221820	10.275	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.921	131	194327	10.027	ppbv		100
57) Chlorobenzene	8.917	112	348937	9.673	ppbv	#	95
58) Ethyl Benzene	9.351	91	615722	10.460	ppbv		99
59) m/p-Xylene	9.549	91	464623	9.876	ppbv	#	30
60) o-Xylene	9.960	91	493768	10.504	ppbv		100
61) Styrene	9.869	104	216283	10.938	ppbv		99
62) Isopropylbenzene	10.536	105	718669	10.365	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.960	83	285543	9.462	ppbv		100
64) n-propylbenzene	10.986	120	192364	10.641	ppbv		98
65) tert-Butylbenzene	11.529	119	644135	10.458	ppbv		98
66) Benzyl Chloride	11.614	91	58462	11.562	ppbv		99
67) sec-Butylbenzene	11.766	105	905326	10.335	ppbv		99
69) p-Isopropyltoluene	11.921	119	774218	10.839	ppbv		99
70) n-Butylbenzene	12.277	91	795999	11.537	ppbv		99
71) 2-Chlorotoluene	10.898	91	554642	10.432	ppbv		100
72) 4-Ethyltoluene	11.122	105	616153	10.975	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	511323	11.062	ppbv		98
74) 1,2,4-Trimethylbenzene	11.533	105	567154	11.247	ppbv		94
75) 1,3-Dichlorobenzene	11.604	146	359124	10.158	ppbv		100
76) 1,4-Dichlorobenzene	11.669	146	366455	10.593	ppbv		98
77) 1,2-Dichlorobenzene	11.944	146	349845	10.069	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	286338	9.105	ppbv		100
79) Naphthalene	13.510	128	571679	10.428	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	262069	9.625	ppbv		98
81) 1,2,4-Trichlorobenzene	13.436	180	313681	10.192	ppbv		100

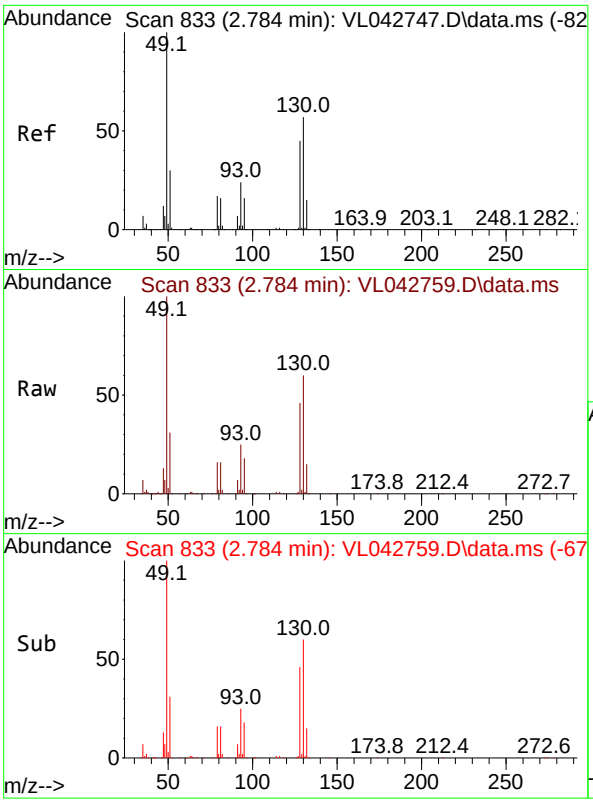
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042759.D
Acq On : 24 Jul 2025 10:57
Operator : SY/MD
Sample : VL0724ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Quant Time: Jul 25 01:24:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



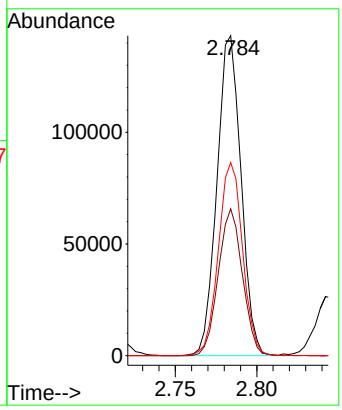


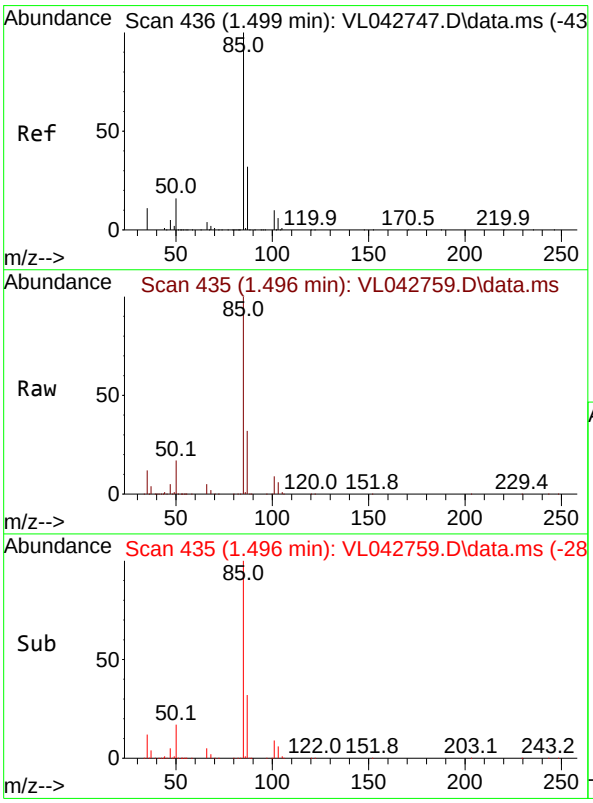
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 49 Resp: 147044

Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.6	71.0
130	60.7	30.3	90.8

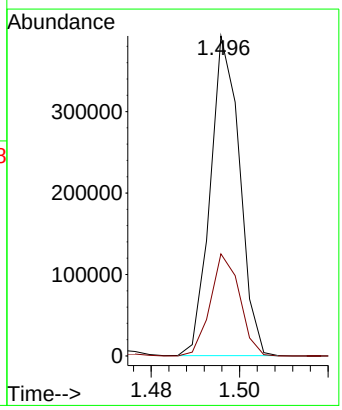


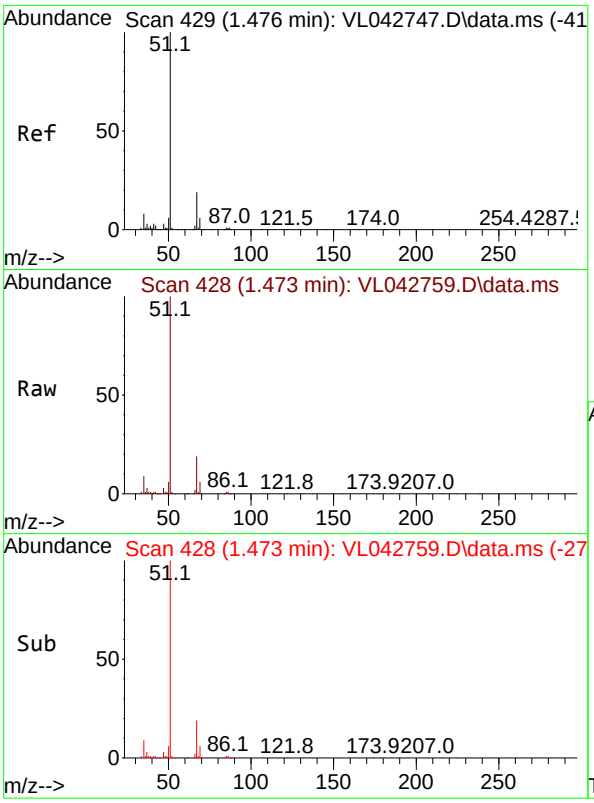


#2
Dichlorodifluoromethane
Concen: 9.308 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 85 Resp: 180968

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.4	38.2



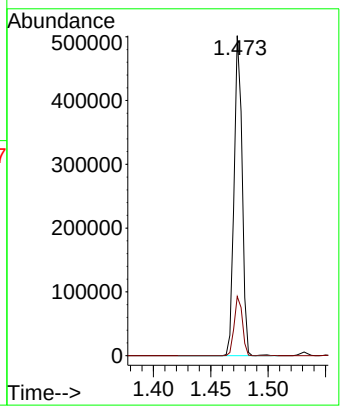


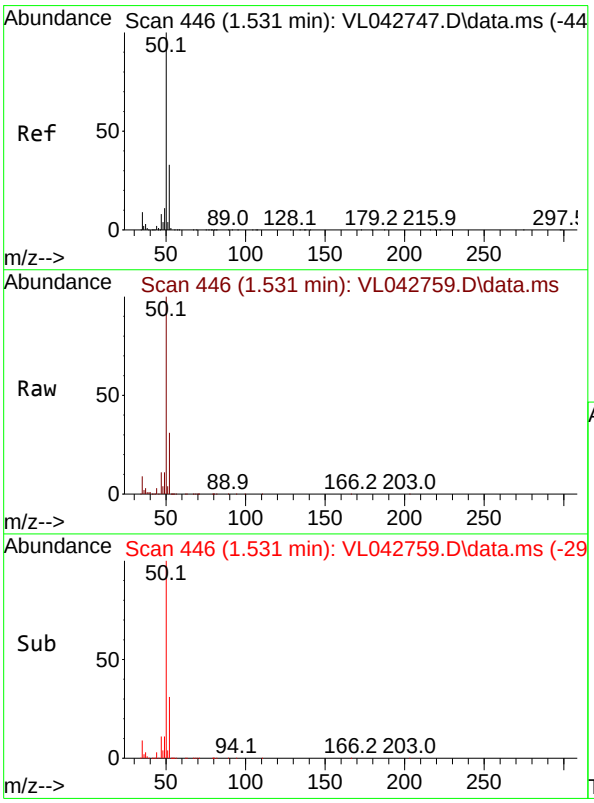
#3
Chlorodifluoromethane
Concen: 9.559 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 51 Resp: 242102

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6

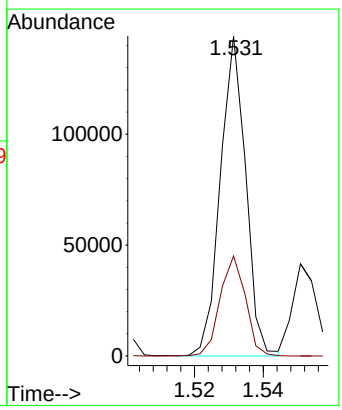


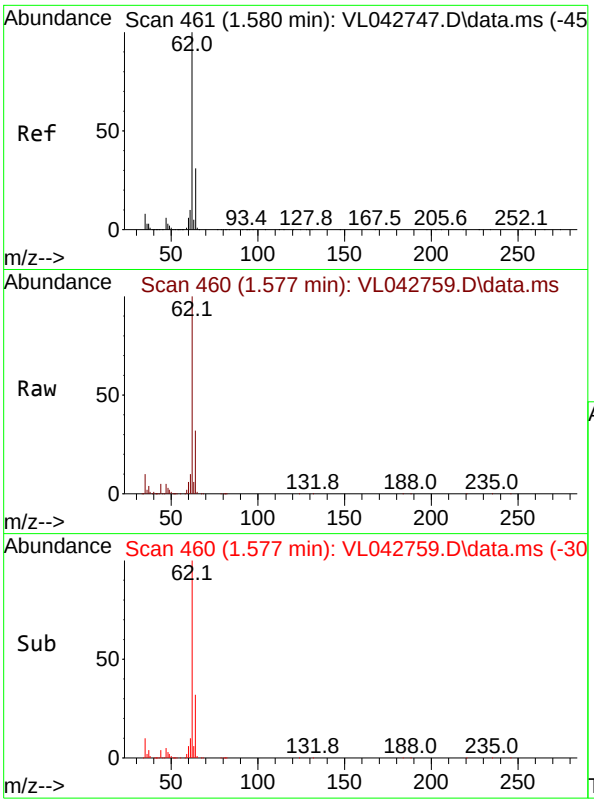


#4
Chloromethane
Concen: 9.390 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 50 Resp: 73859

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	40.0



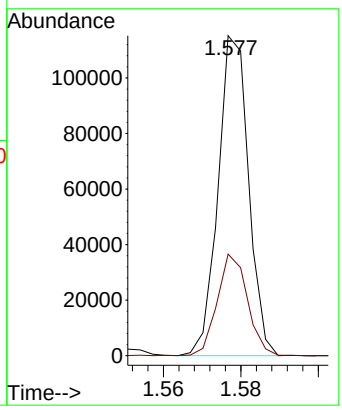


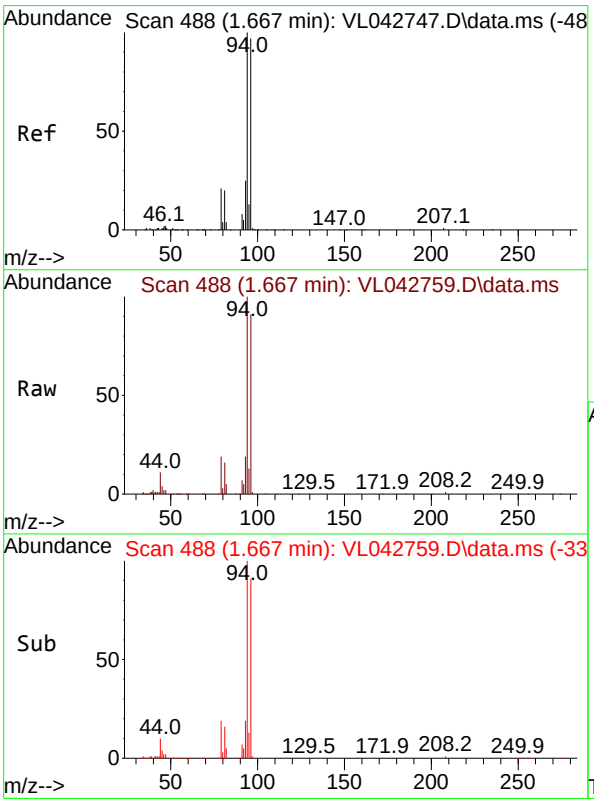
#5
Vinyl Chloride
Concen: 8.112 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 62 Resp: 63036

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.5	36.7

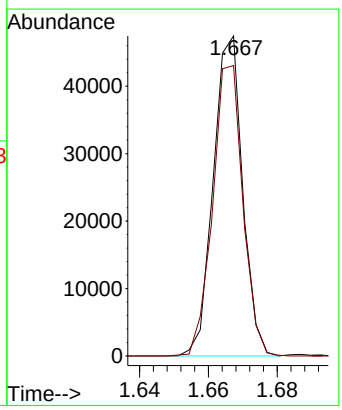


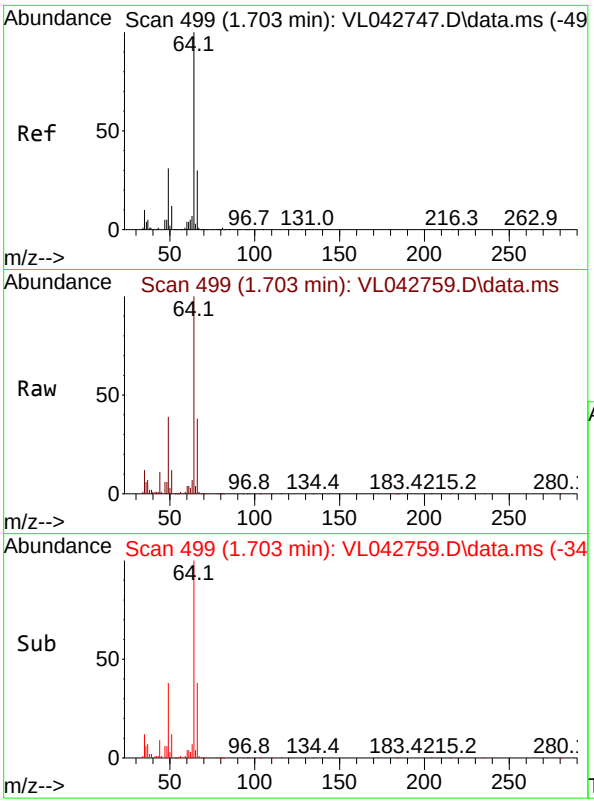


#6
Bromomethane
Concen: 9.347 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 94 Resp: 28082

Ion	Ratio	Lower	Upper
94	100		
96	90.5	77.6	116.4



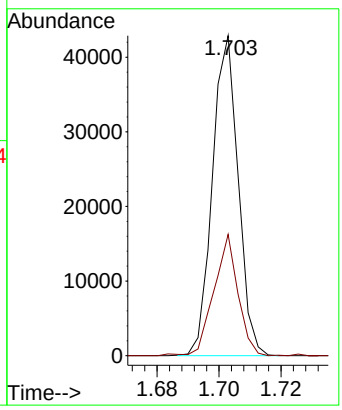


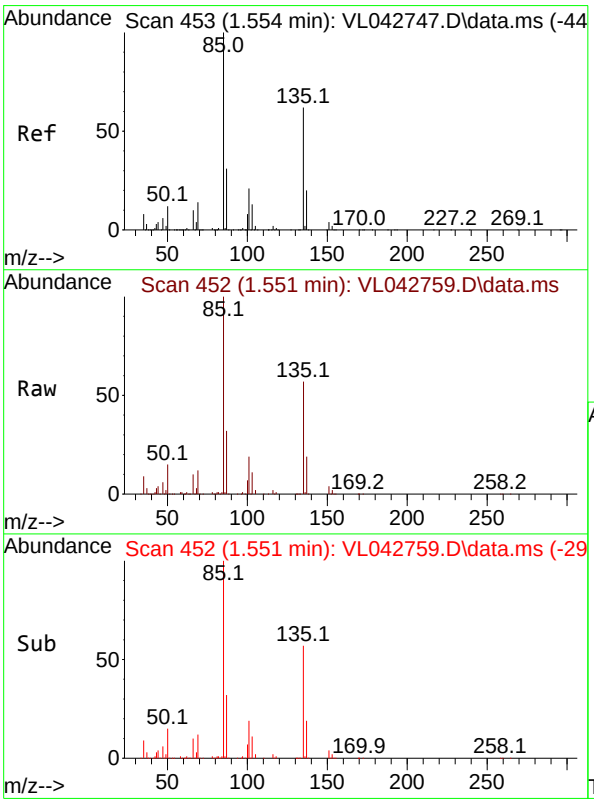
#7
Chloroethane
Concen: 8.235 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 64 Resp: 24726

Ion	Ratio	Lower	Upper
64	100		
66	37.9	24.1	36.1#

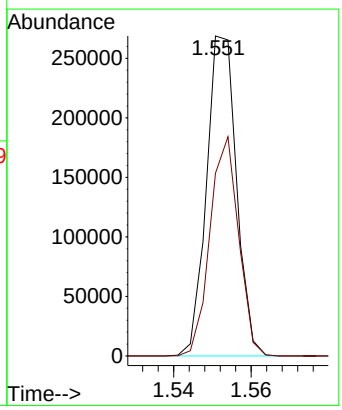


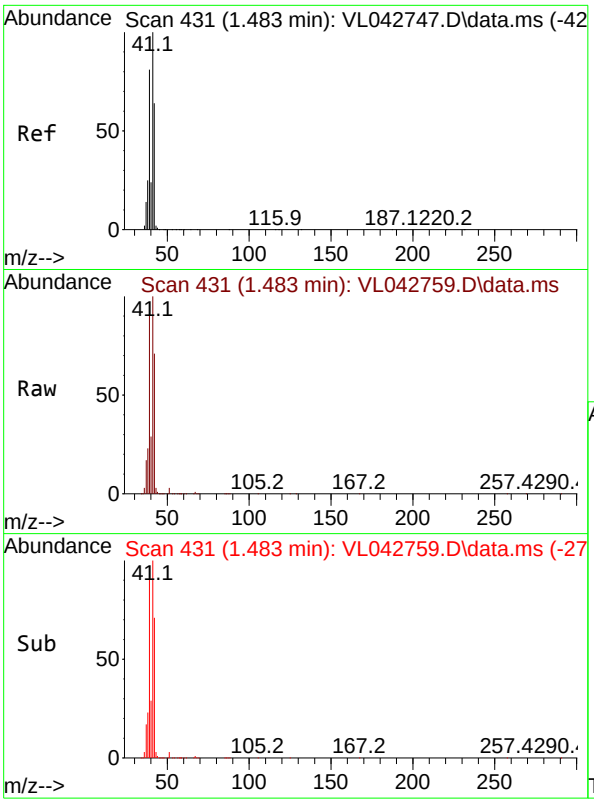


#8
Dichlorotetrafluoroethane
Concen: 9.063 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 85 Resp: 144903

Ion	Ratio	Lower	Upper
85	100		
135	65.2	50.6	76.0



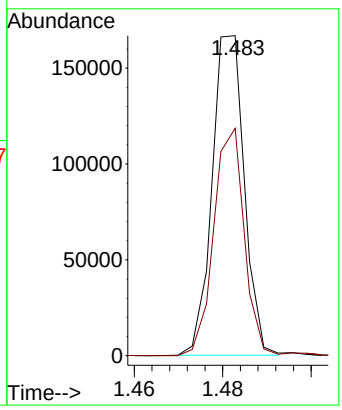


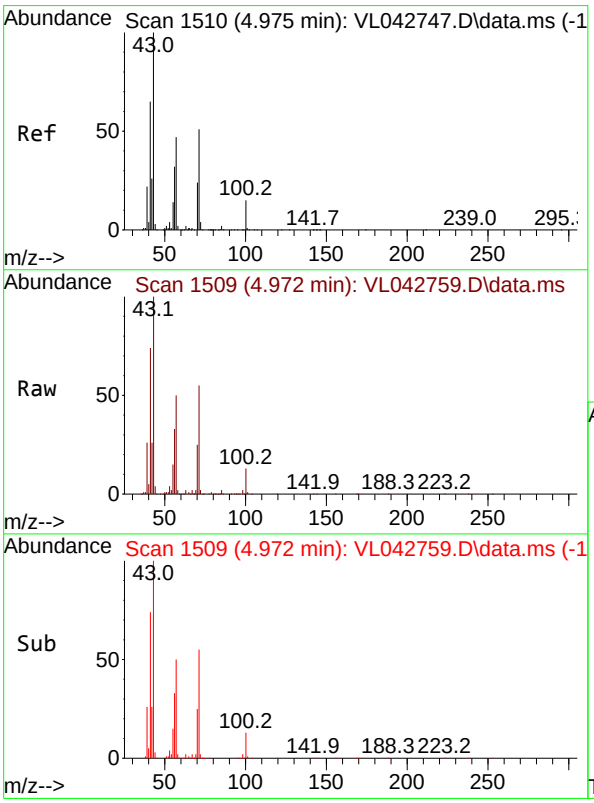
#9
Propene
Concen: 9.186 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 41 Resp: 84555

Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.2	79.8

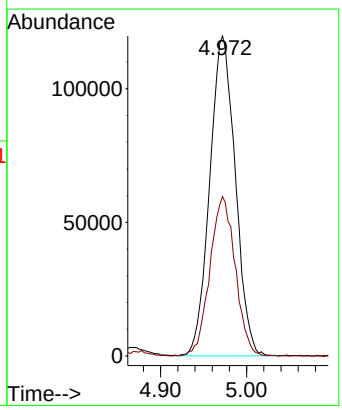


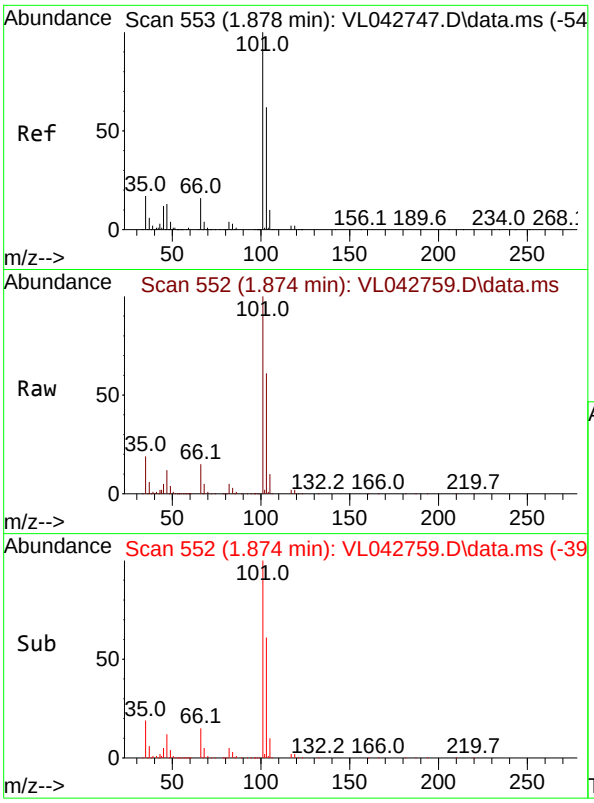


#10
Heptane
Concen: 9.946 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 246854

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.9	59.9



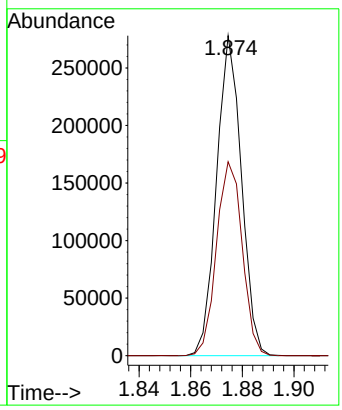


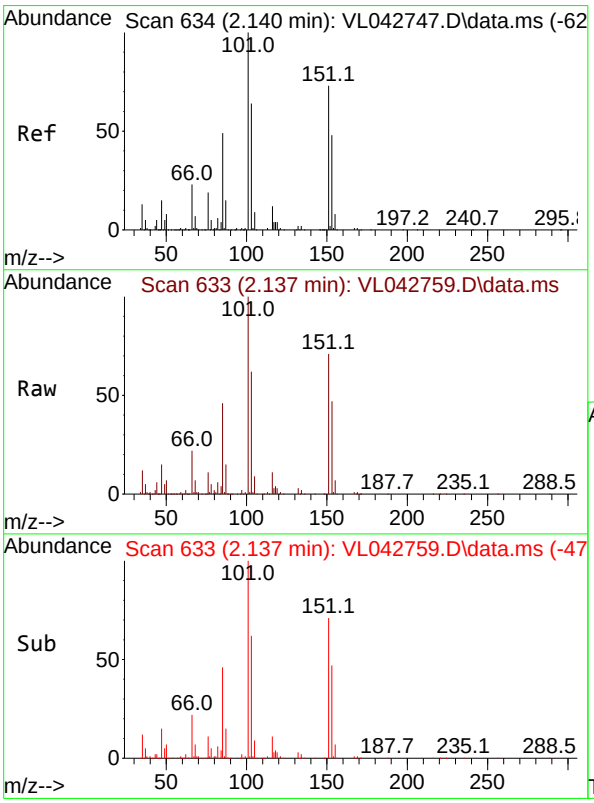
#11
Trichlorofluoromethane
Concen: 9.255 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:101 Resp: 185482

Ion	Ratio	Lower	Upper
101	100		
103	60.6	49.6	74.4

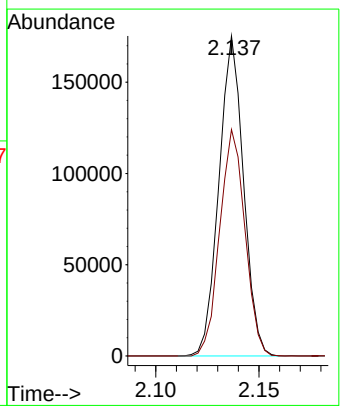


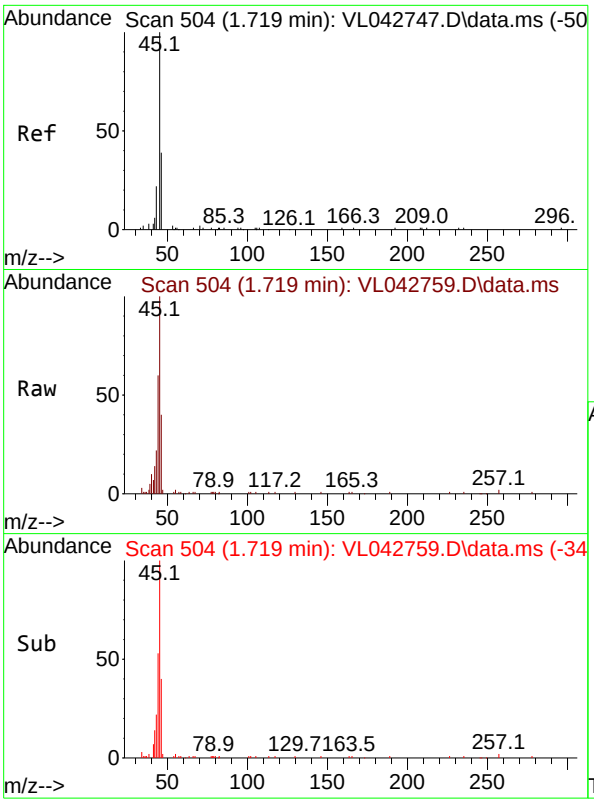


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.521 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:101 Resp: 145000

Ion	Ratio	Lower	Upper
101	100		
151	72.7	60.5	90.7



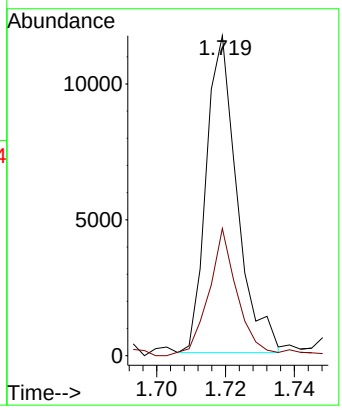


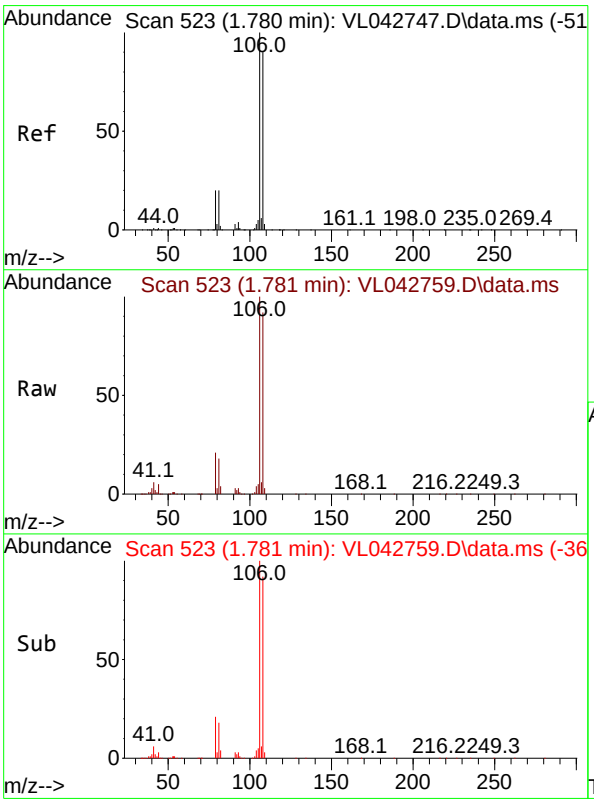
#13
Ethanol
Concen: 9.697 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 45 Resp: 7271

Ion	Ratio	Lower	Upper
45	100		
46	41.1	17.8	71.4

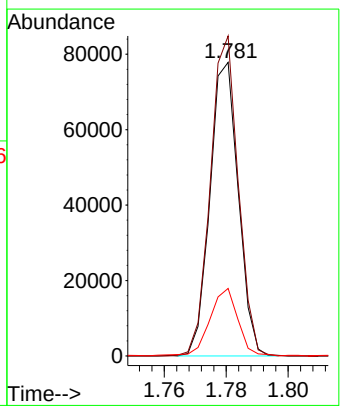


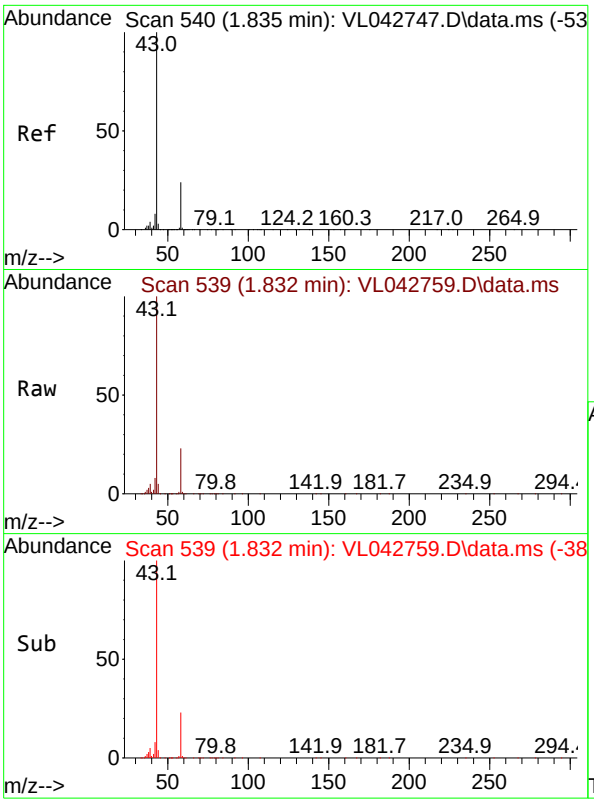


#14
Bromoethene
Concen: 9.174 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:108 Resp: 49468

Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.7	127.1
79	23.8	17.4	26.2



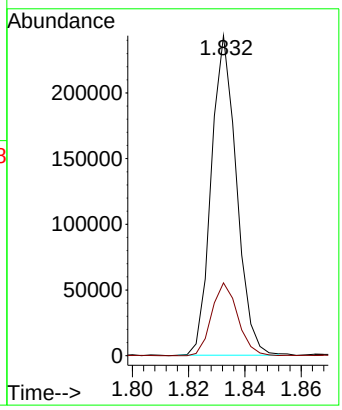


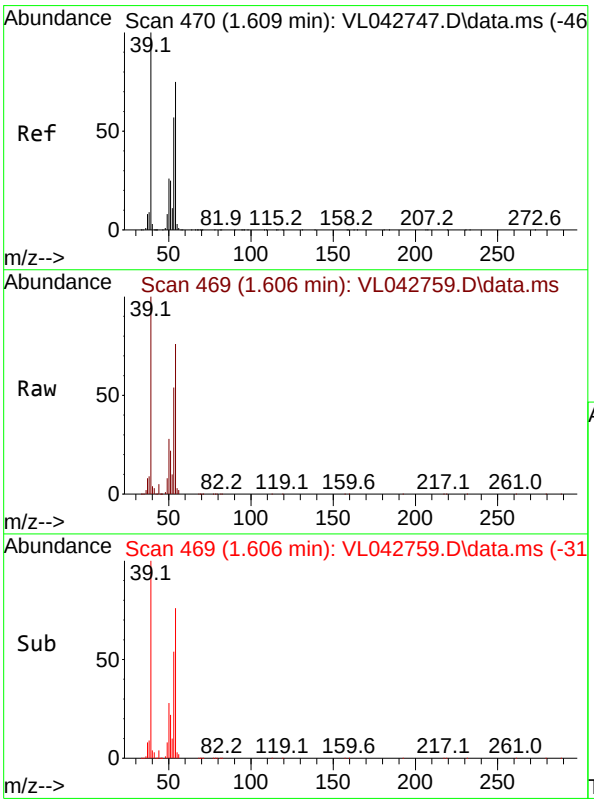
#15
Acetone
Concen: 7.451 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 43 Resp: 151299

Ion	Ratio	Lower	Upper
43	100		
58	23.7	19.8	29.8

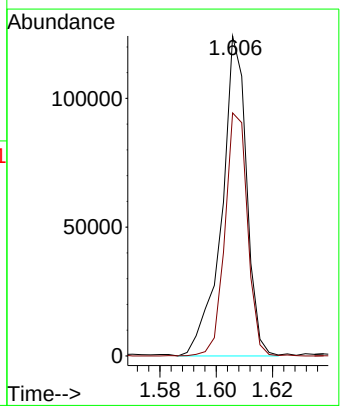


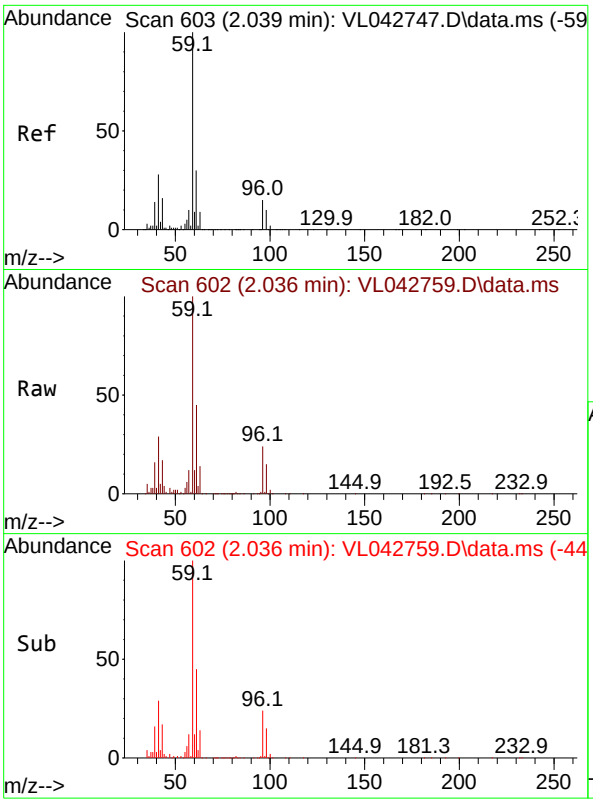


#16
1,3-Butadiene
Concen: 8.788 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 39 Resp: 76114

Ion	Ratio	Lower	Upper
39	100		
54	69.3	54.5	81.7



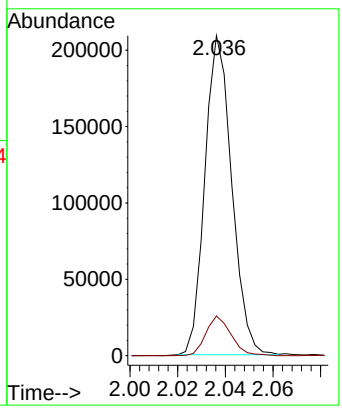


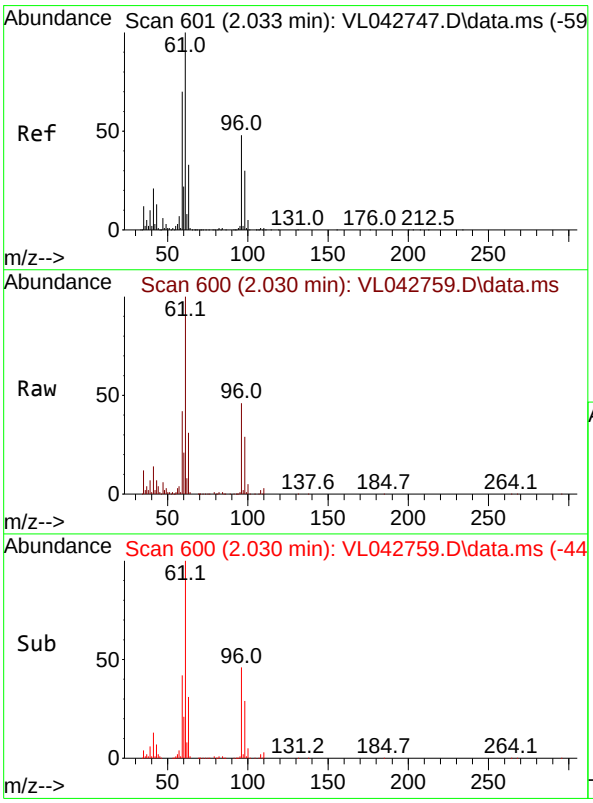
#17
tert-Butyl alcohol
Concen: 8.926 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 59 Resp: 163459

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.3	12.5

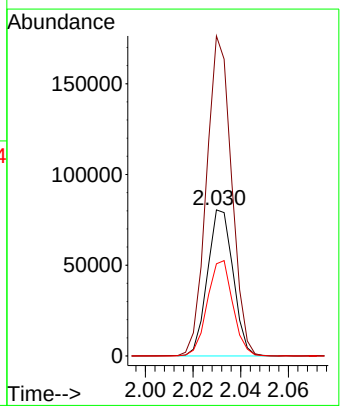


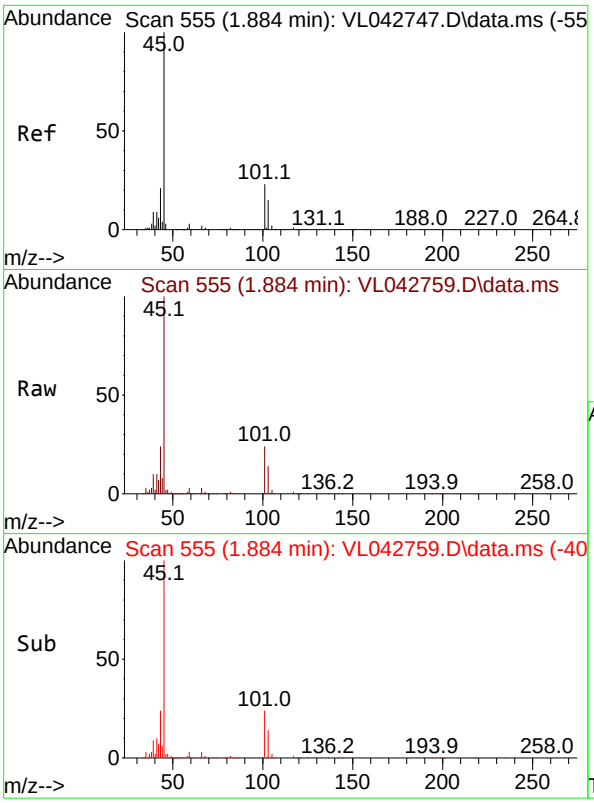


#18
1,1-Dichloroethene
Concen: 8.750 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 96 Resp: 60208

Ion	Ratio	Lower	Upper
96	100		
61	219.0	165.8	248.6
98	63.1	49.9	74.9



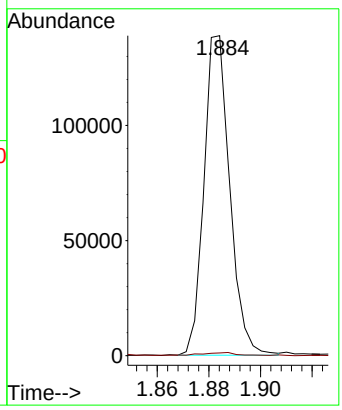


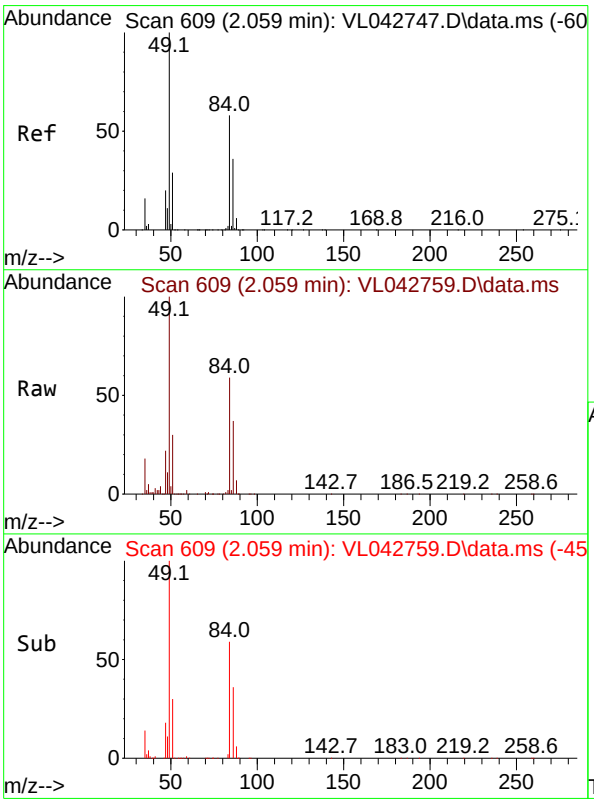
#19
Isopropyl Alcohol
Concen: 8.936 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 45 Resp: 96416

Ion	Ratio	Lower	Upper
45	100		
58	1.7	30.0	45.0#

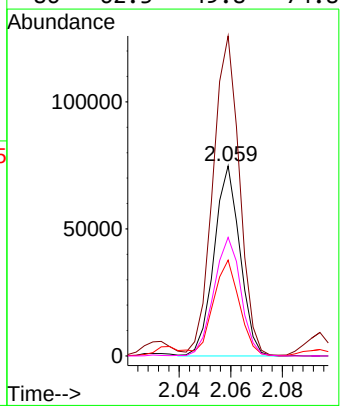


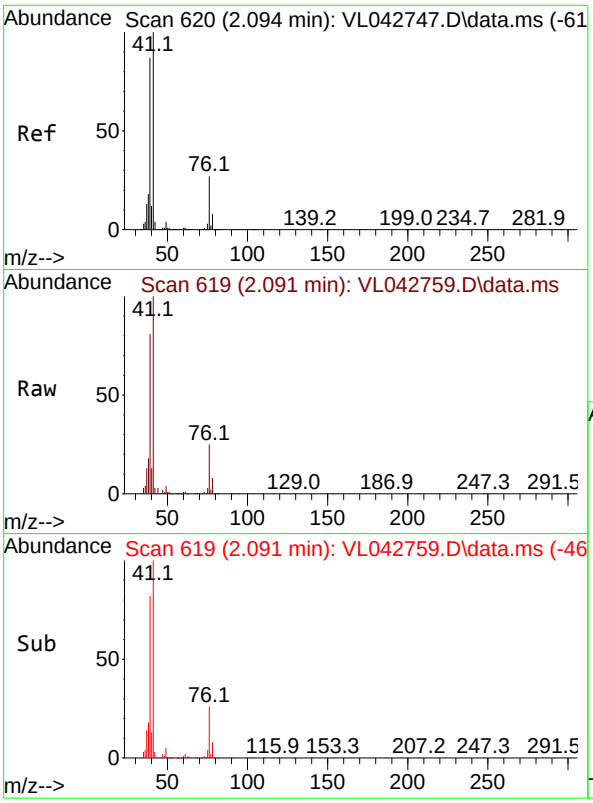


#20
Methylene Chloride
Concen: 8.147 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 84 Resp: 52131

Ion	Ratio	Lower	Upper
84	100		
49	167.6	138.6	208.0
51	50.3	40.6	61.0
86	62.3	49.8	74.8



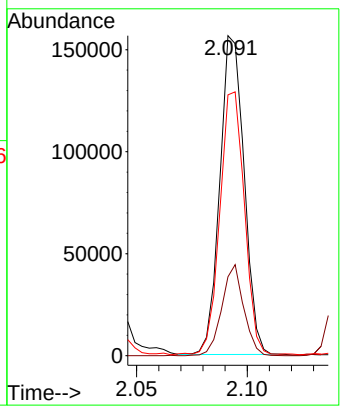


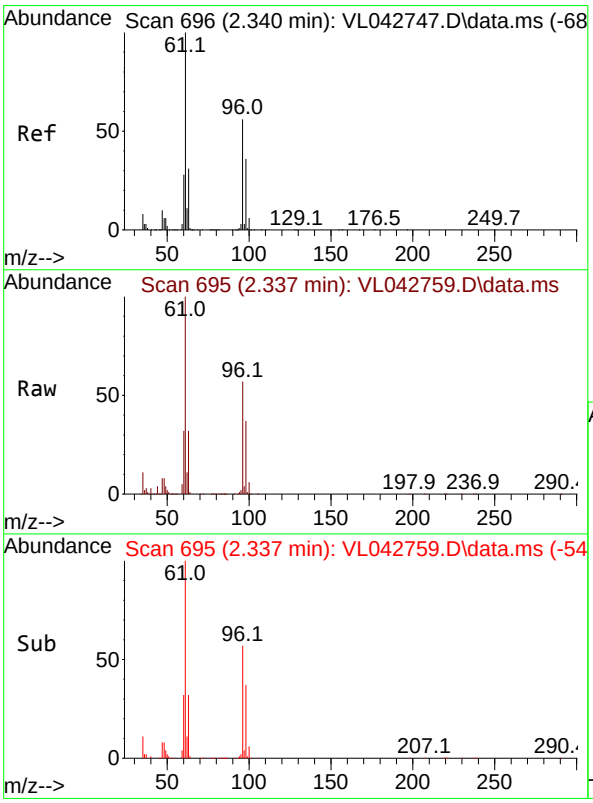
#21
Allyl Chloride
Concen: 9.549 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 41 Resp: 119495

Ion	Ratio	Lower	Upper
41	100		
76	25.7	21.1	31.7
39	82.9	68.3	102.5

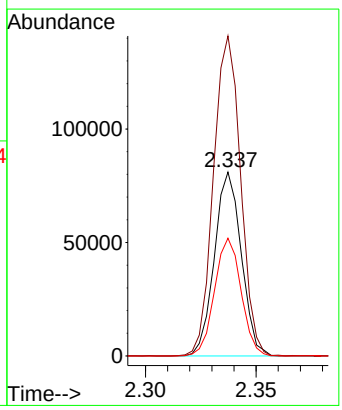


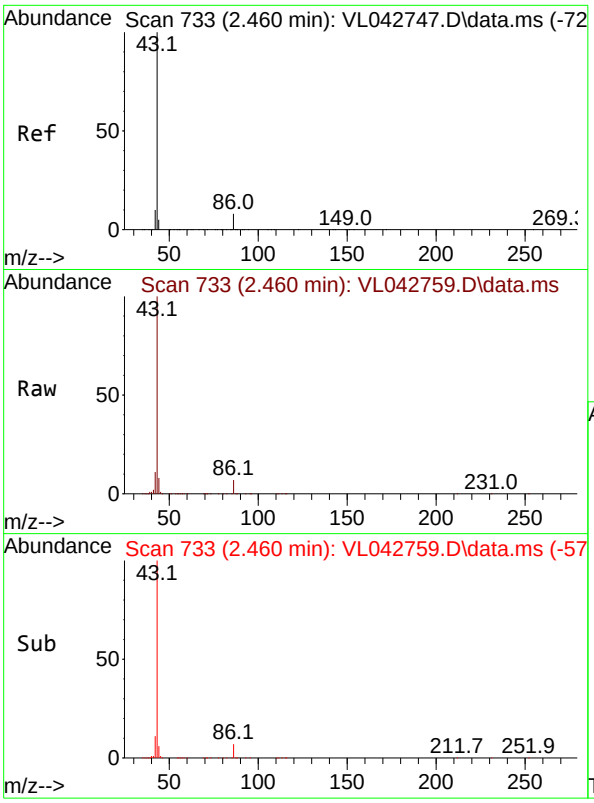


#22
trans-1,2-Dichloroethene
Concen: 9.253 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 96 Resp: 68496

Ion	Ratio	Lower	Upper
96	100		
61	173.8	142.3	213.5
98	64.0	50.6	76.0



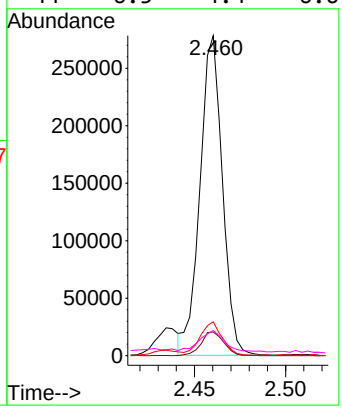


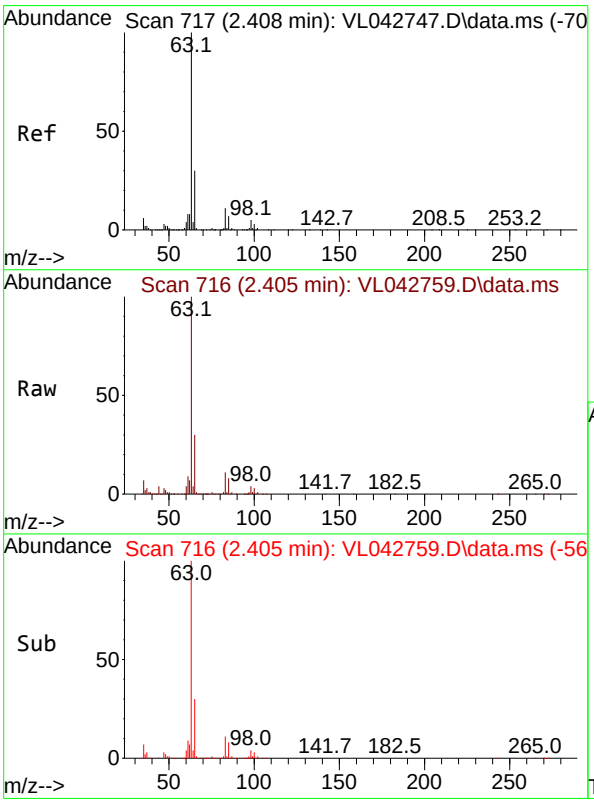
#23
Vinyl Acetate
Concen: 9.704 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 43 Resp: 238863

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.1	9.1
42	10.4	7.8	11.8
44	6.5	4.4	6.6

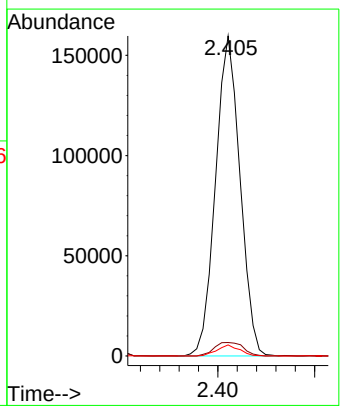


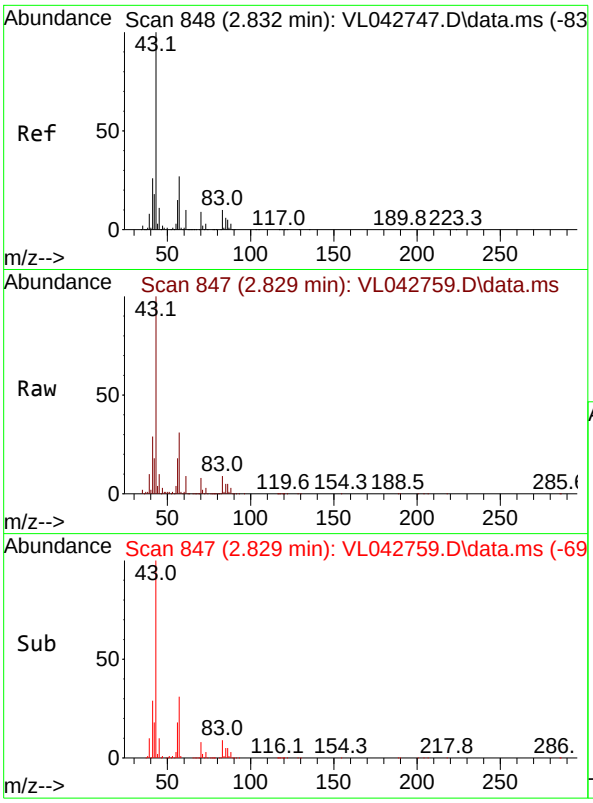


#24
1,1-Dichloroethane
Concen: 9.221 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 63 Resp: 140101

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.4
100	3.4	1.6	4.8



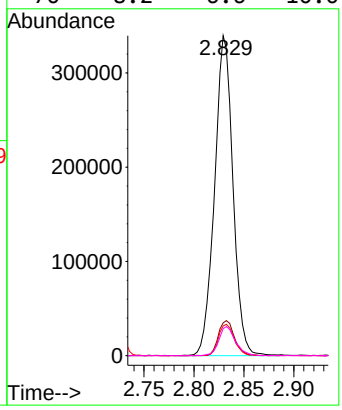


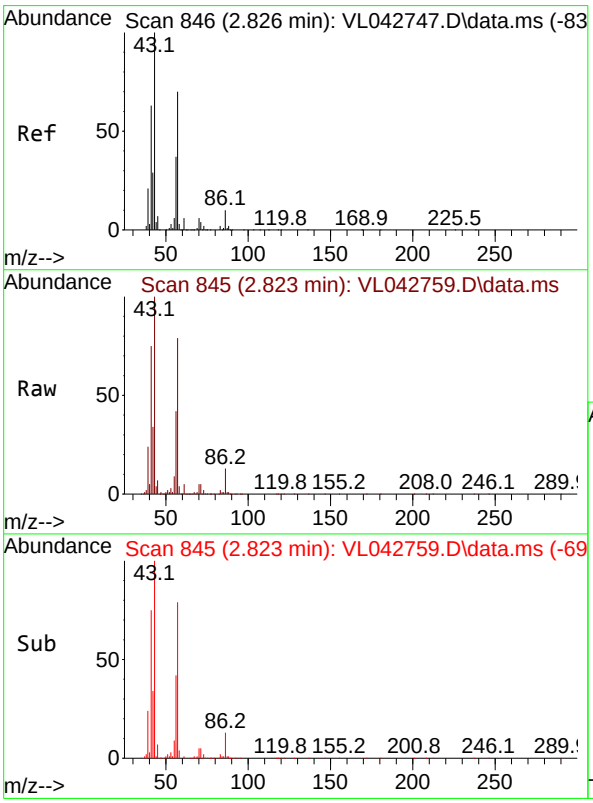
#25
Ethyl Acetate
Concen: 9.681 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 43 Resp: 435118

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	8.4	6.7	10.1
70	8.2	6.6	10.0

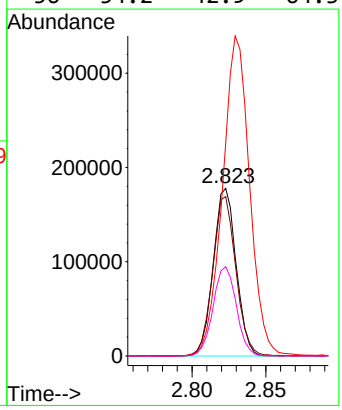


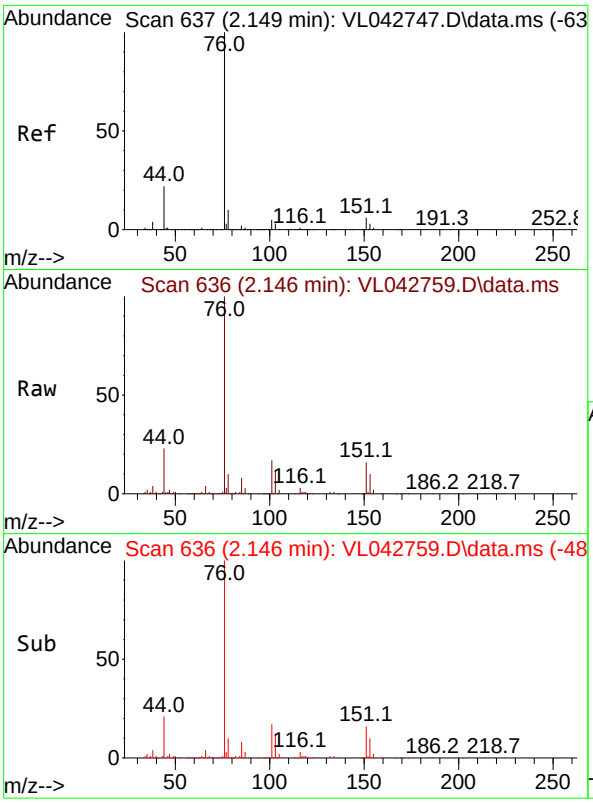


#26
Hexane
Concen: 9.730 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 57 Resp: 191824

Ion	Ratio	Lower	Upper
57	100		
41	96.7	75.4	113.2
43	227.7	185.0	277.6
56	54.2	42.9	64.3



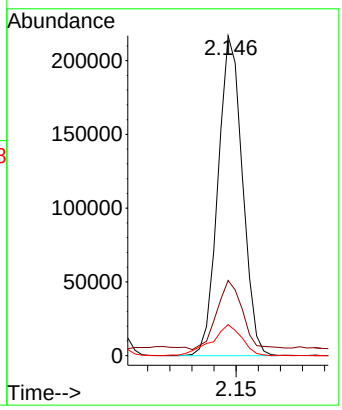


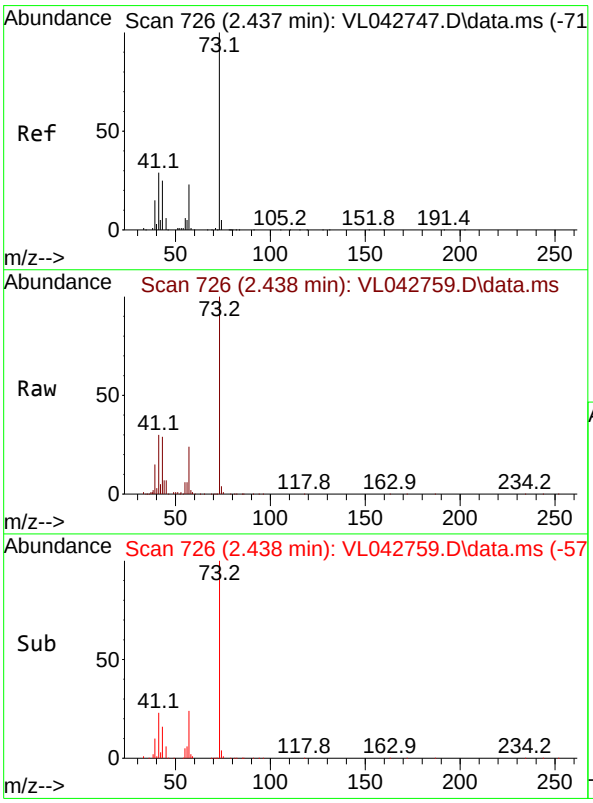
#27
Carbon Disulfide
Concen: 9.858 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 76 Resp: 166394

Ion	Ratio	Lower	Upper
76	100		
44	26.7	19.3	28.9
78	12.1	9.9	14.9

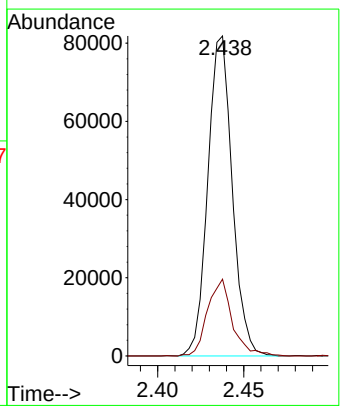


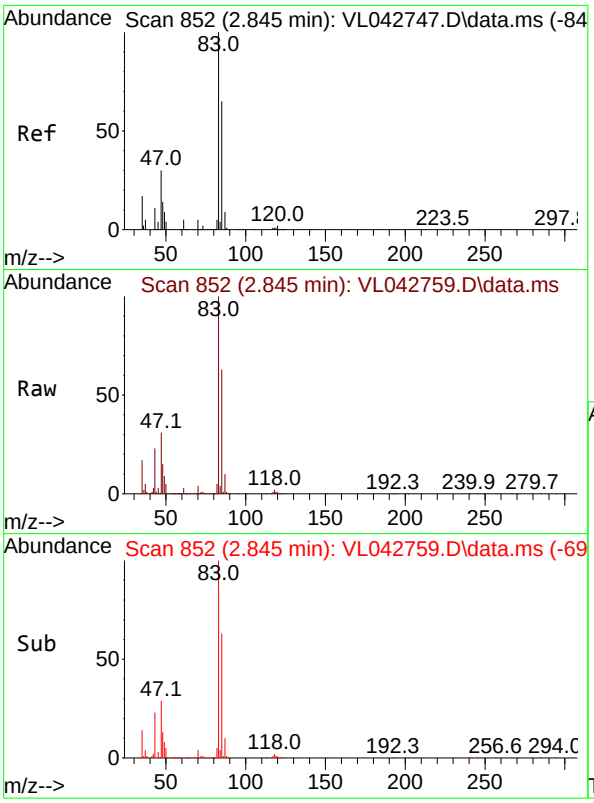


#28
Methyl tert-Butyl Ether
Concen: 8.666 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 73 Resp: 80712

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.8



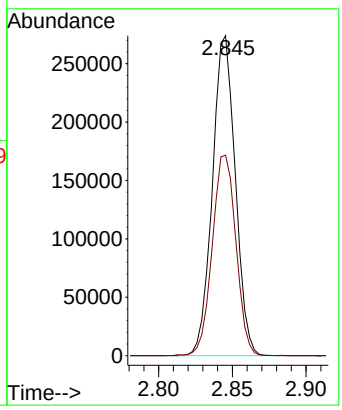


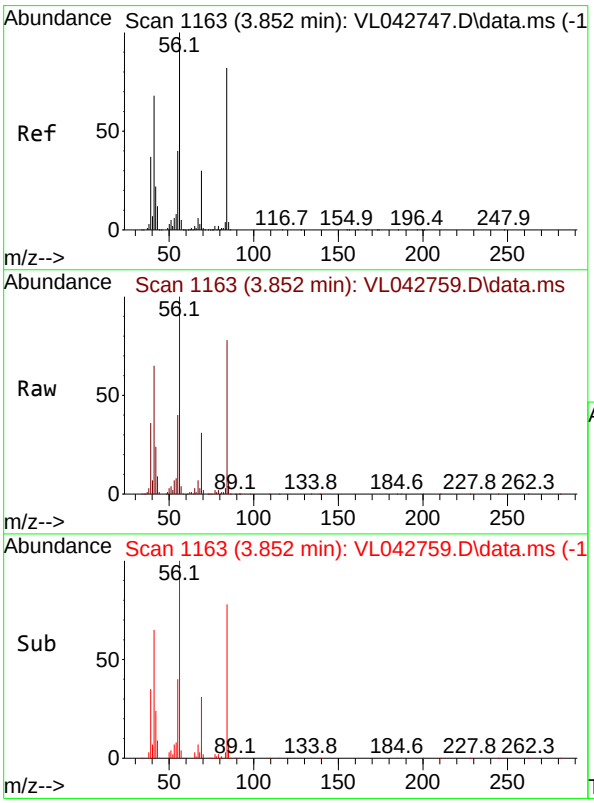
#29
Chloroform
Concen: 9.717 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 83 Resp: 296040

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.2

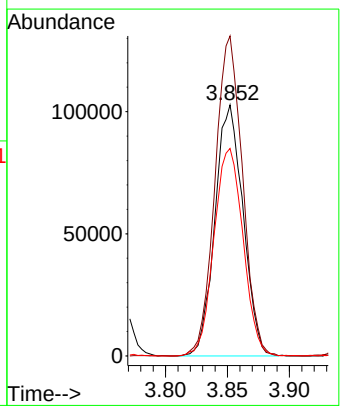


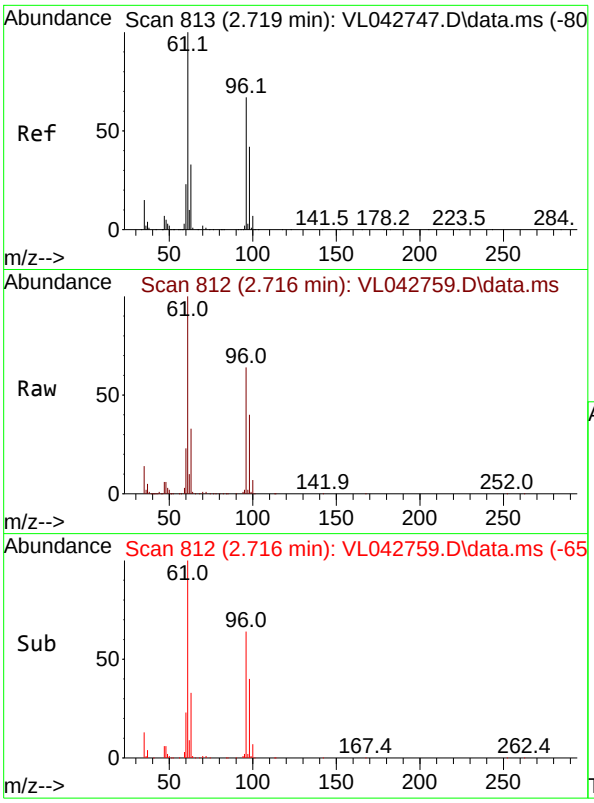


#30
Cyclohexane
Concen: 9.711 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 84 Resp: 162375

Ion	Ratio	Lower	Upper
84	100		
56	125.0	97.5	146.3
41	85.8	67.2	100.8



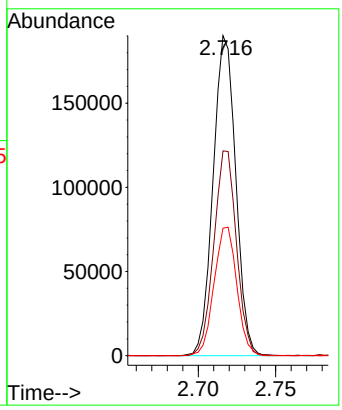


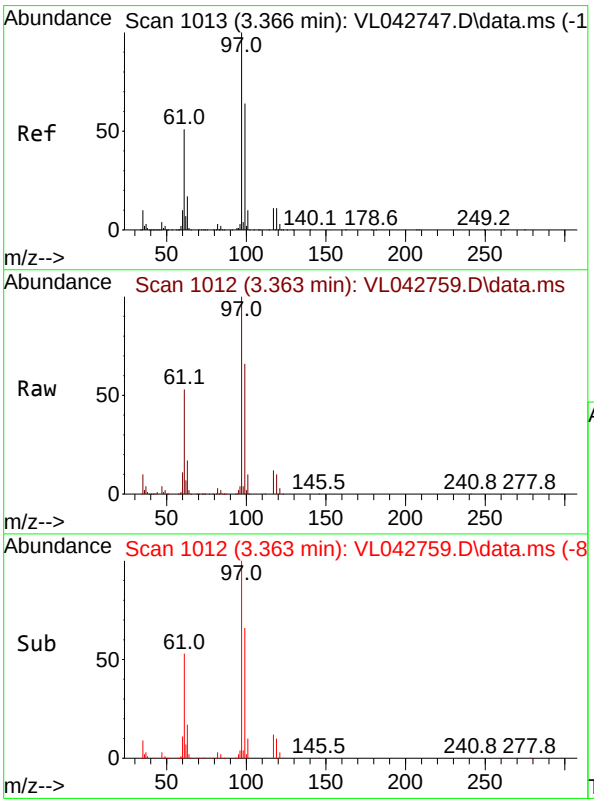
#31
cis-1,2-Dichloroethene
Concen: 9.548 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 61 Resp: 193439

Ion	Ratio	Lower	Upper
61	100		
96	64.0	53.5	80.3
98	39.8	33.6	50.4

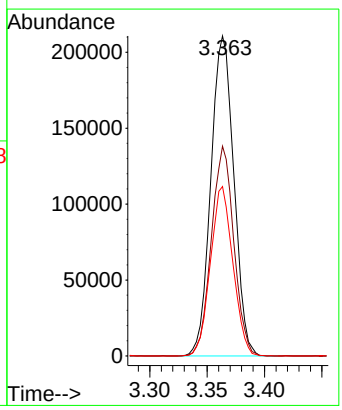


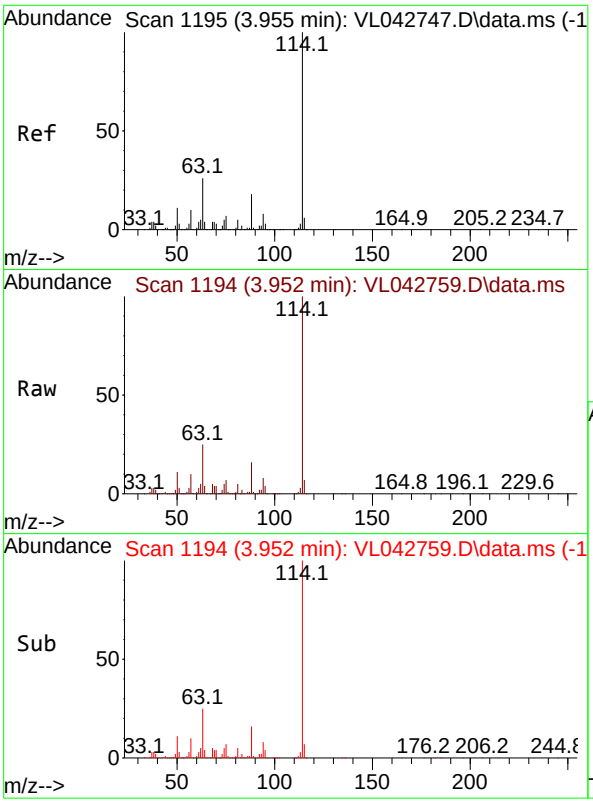


#32
1,1,1-Trichloroethane
Concen: 9.250 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 97 Resp: 293531

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	51.8	40.9	61.3



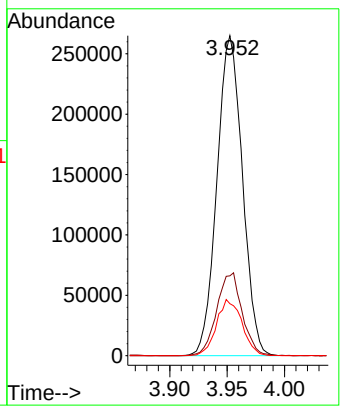


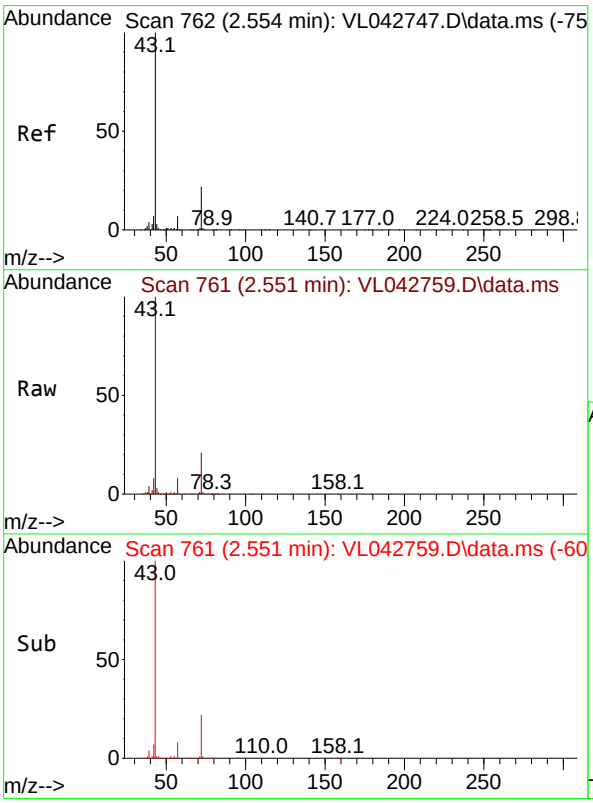
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:114 Resp: 409745

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	17.6	14.0	21.0

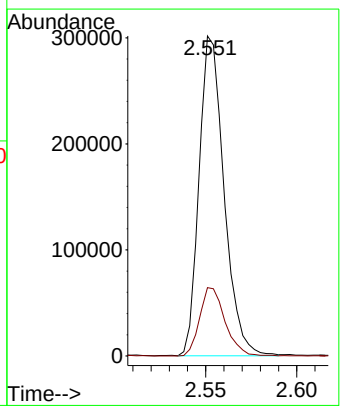


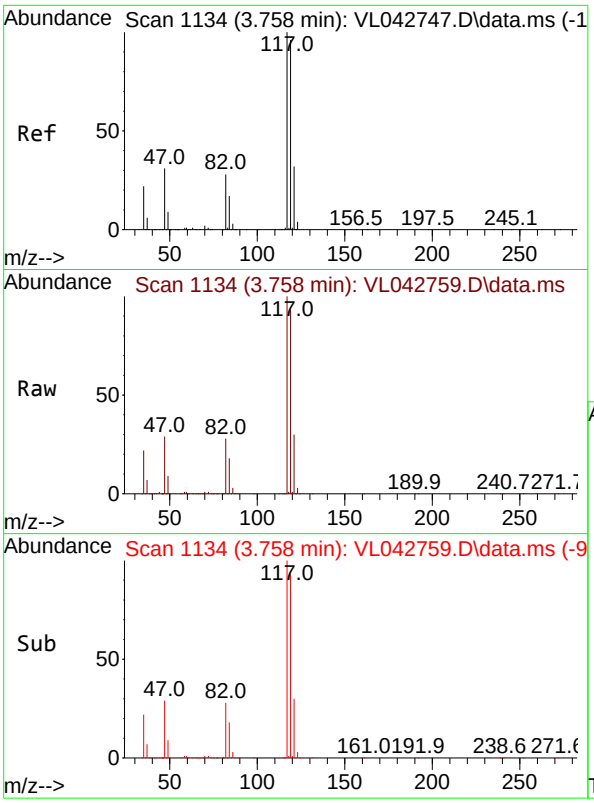


#34
2-Butanone
Concen: 9.923 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 288013

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0



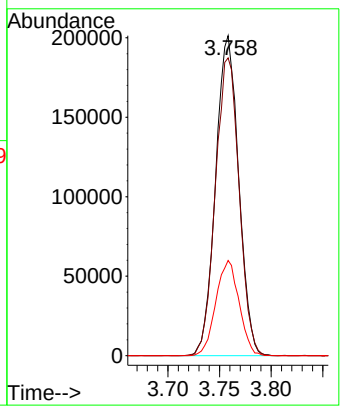


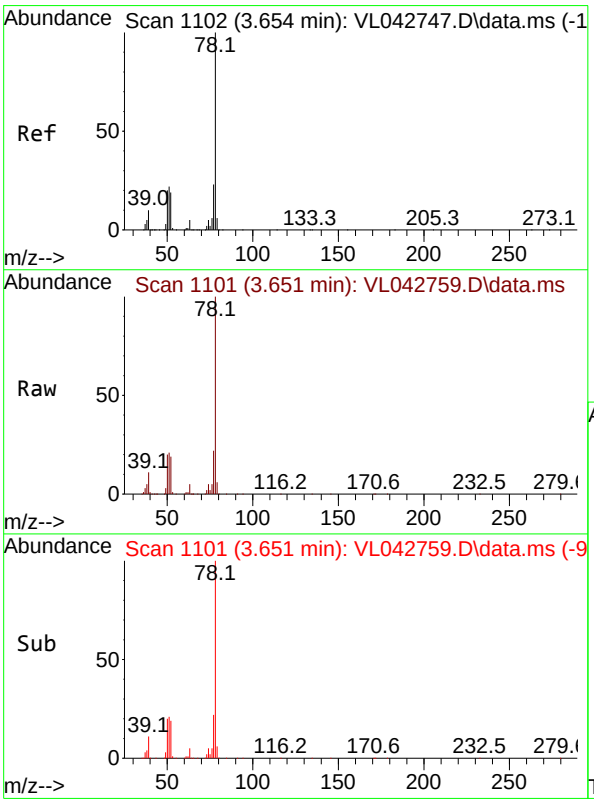
#35
Carbon Tetrachloride
Concen: 10.284 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:117 Resp: 313003

Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.1	115.7
121	29.8	25.5	38.3

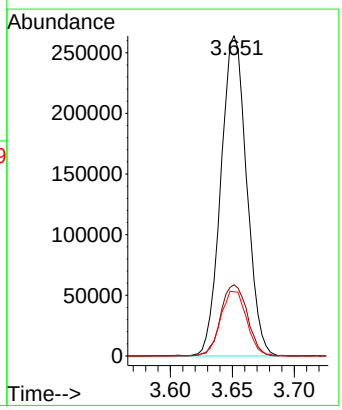


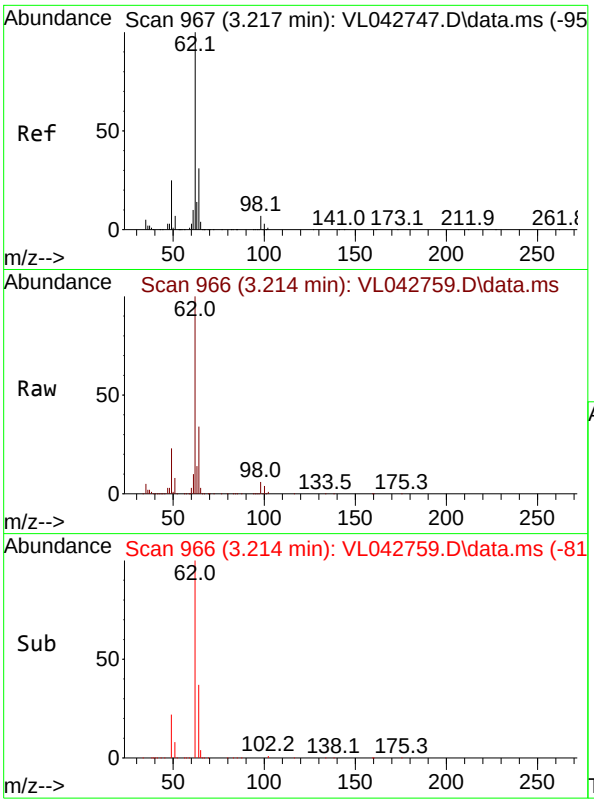


#36
Benzene
Concen: 9.842 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 78 Resp: 382210

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.5	27.7
50	20.0	16.2	24.2



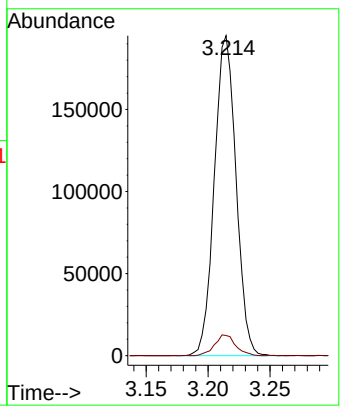


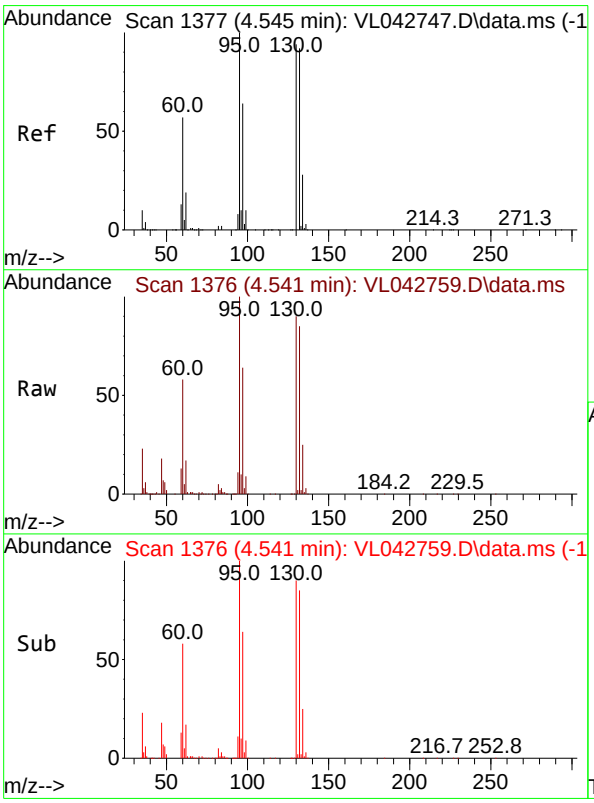
#37
1,2-Dichloroethane
Concen: 10.152 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 62 Resp: 237484

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.2	7.8

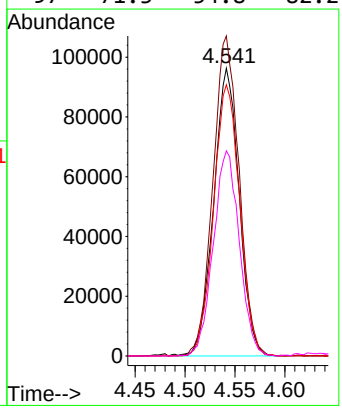


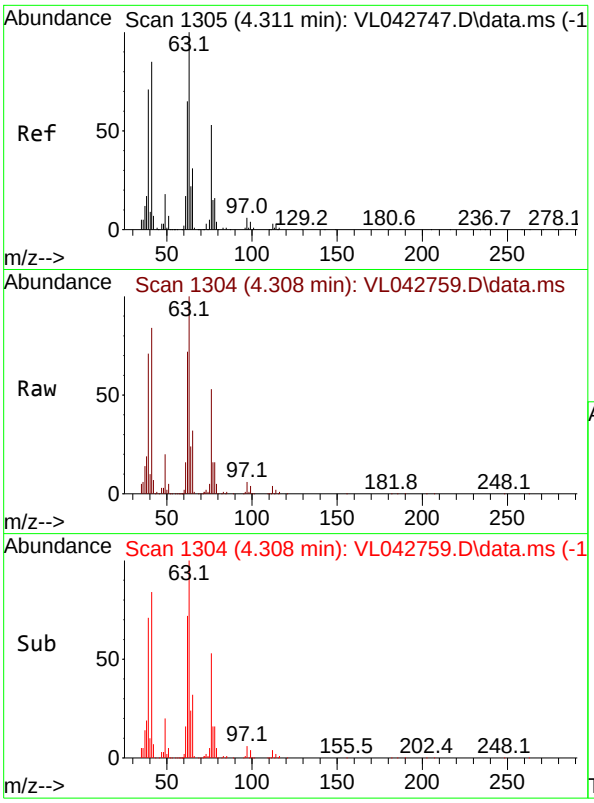


#38
Trichloroethene
Concen: 9.164 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:130 Resp: 170959

Ion	Ratio	Lower	Upper
130	100		
95	111.2	85.4	128.2
132	94.2	78.2	117.2
97	71.3	54.8	82.2



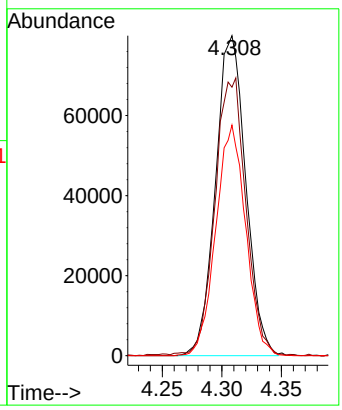


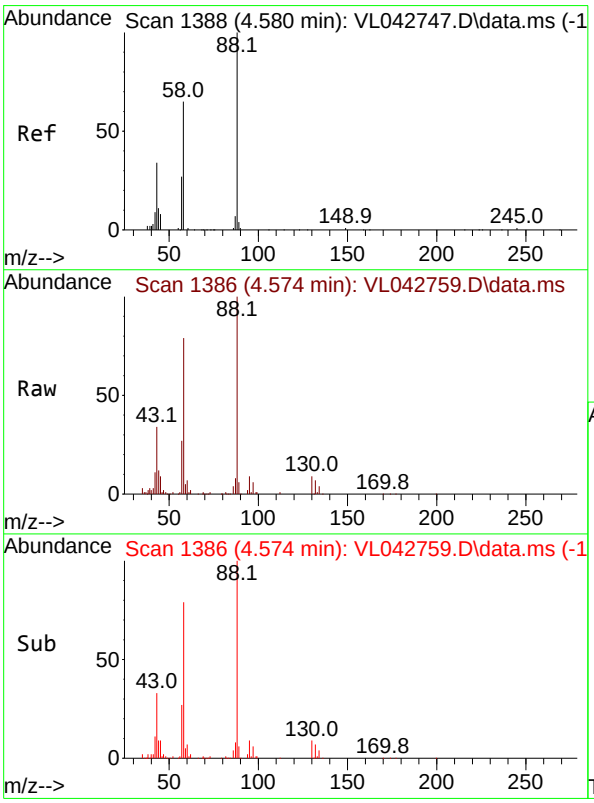
#39
1,2-Dichloropropane
Concen: 9.855 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 63 Resp: 141270

Ion	Ratio	Lower	Upper
63	100		
41	83.4	68.2	102.4
62	71.8	52.0	78.0

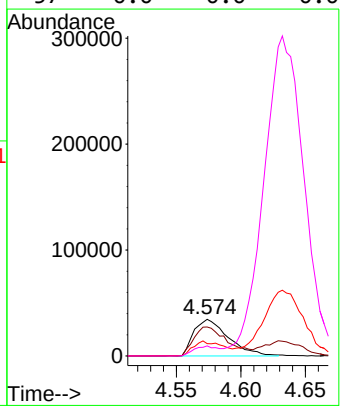


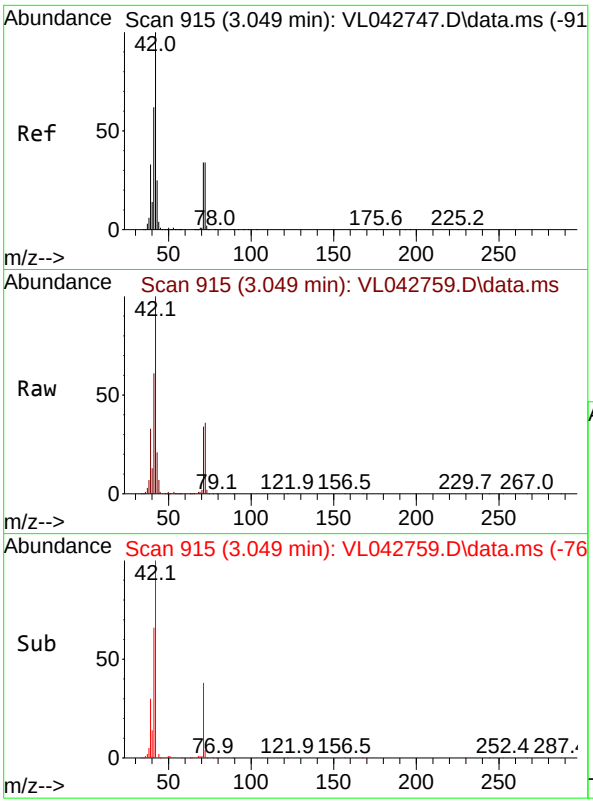


#40
1,4-Dioxane
Concen: 9.669 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 88 Resp: 64606

Ion	Ratio	Lower	Upper
88	100		
58	78.0	58.8	88.2
43	40.0	28.9	43.3
57	0.0	0.0	0.0



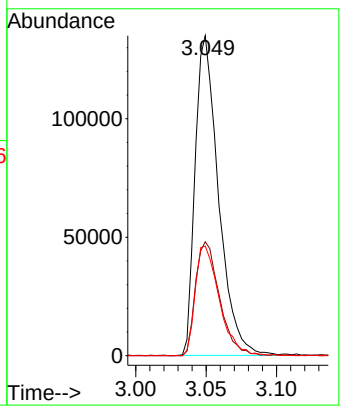


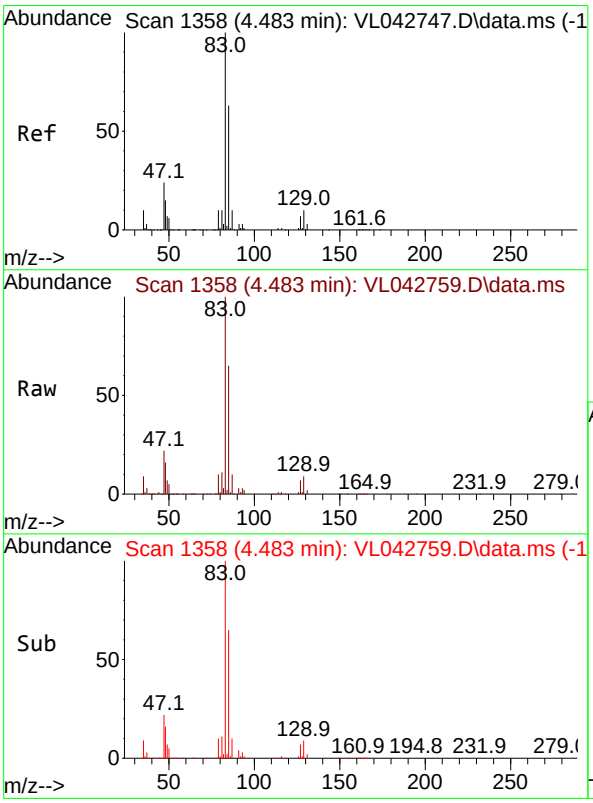
#41
Tetrahydrofuran
Concen: 10.549 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 42 Resp: 155794

Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.9	46.3
71	35.5	28.6	43.0

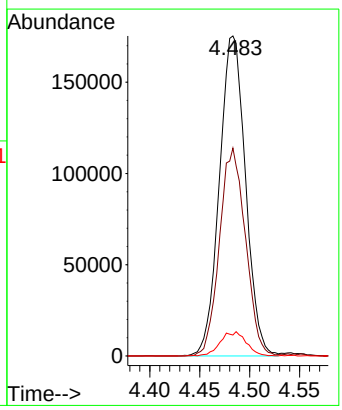


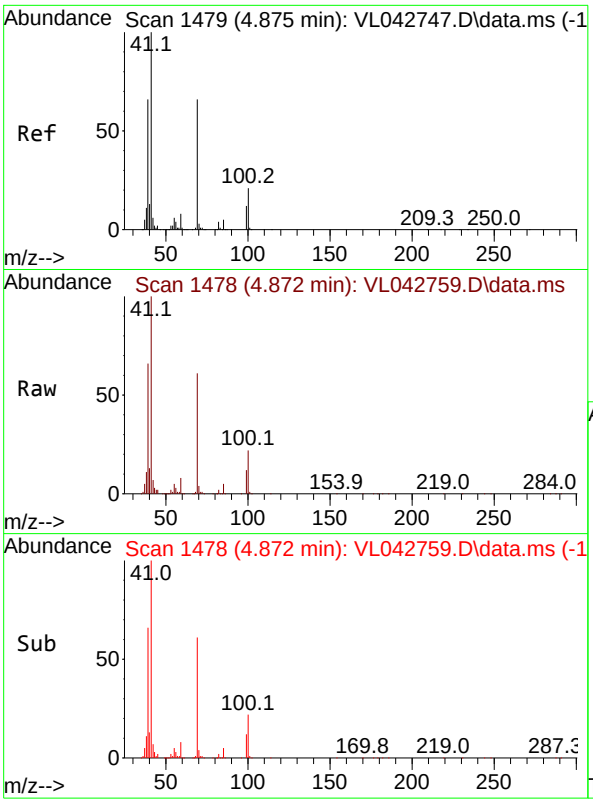


#42
Bromodichloromethane
Concen: 10.486 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 83 Resp: 319463

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	6.5	5.4	8.2



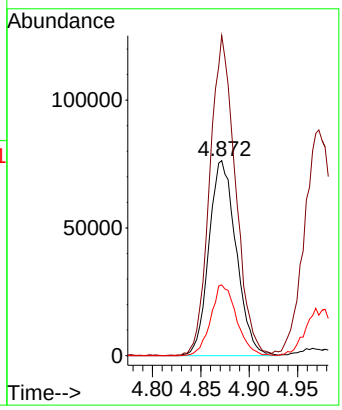


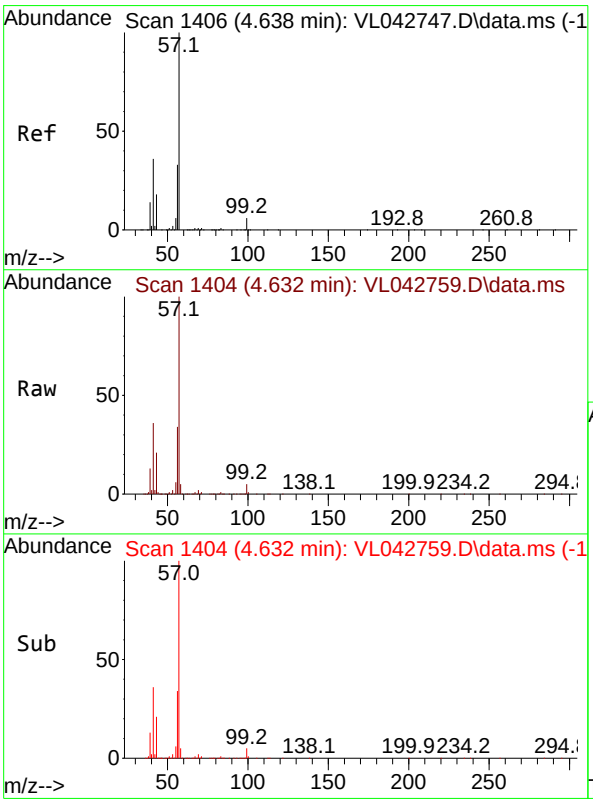
#43
Methyl Methacrylate
Concen: 10.835 ppbv
RT: 4.872 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 69 Resp: 149548

Ion	Ratio	Lower	Upper
69	100		
41	154.4	125.7	188.5
100	34.3	28.6	42.8

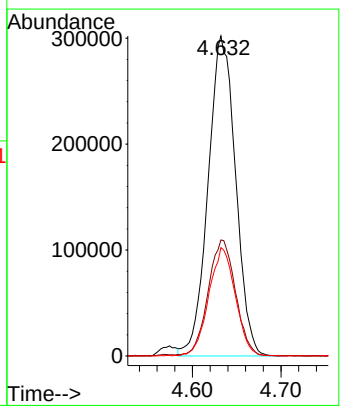


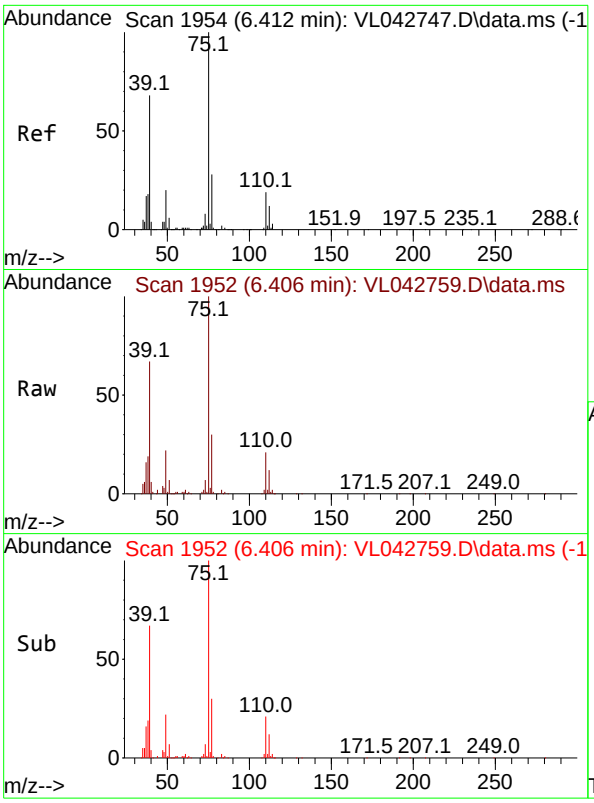


#44
2,2,4-Trimethylpentane
Concen: 10.308 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 57 Resp: 652445

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.3	42.5
56	32.8	25.8	38.6



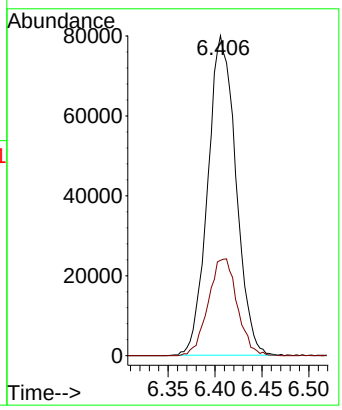


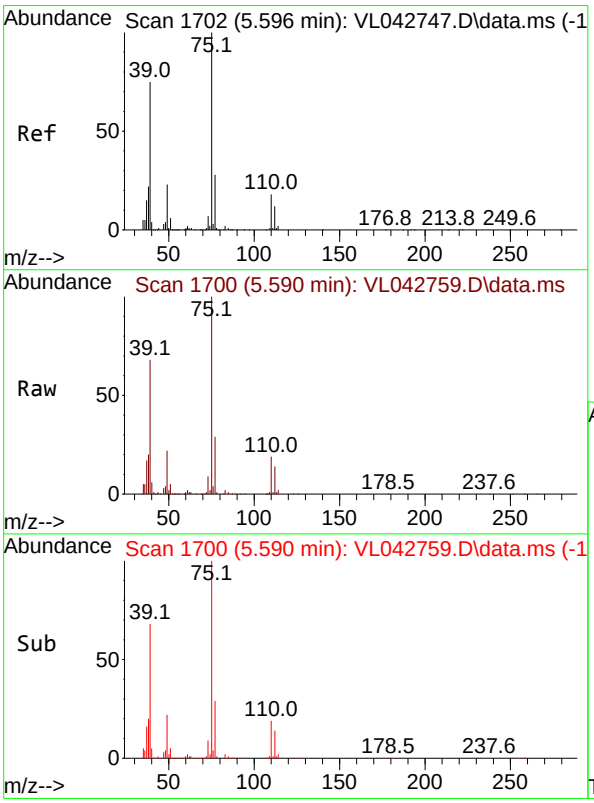
#45
t-1,3-Dichloropropene
Concen: 10.759 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 75 Resp: 166529

Ion	Ratio	Lower	Upper
75	100		
77	29.8	22.4	33.6

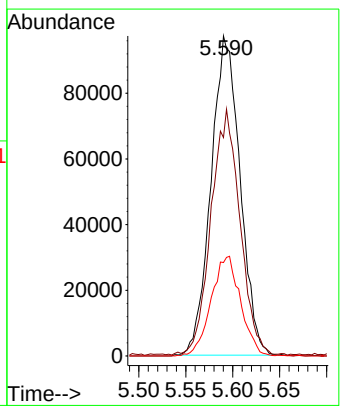


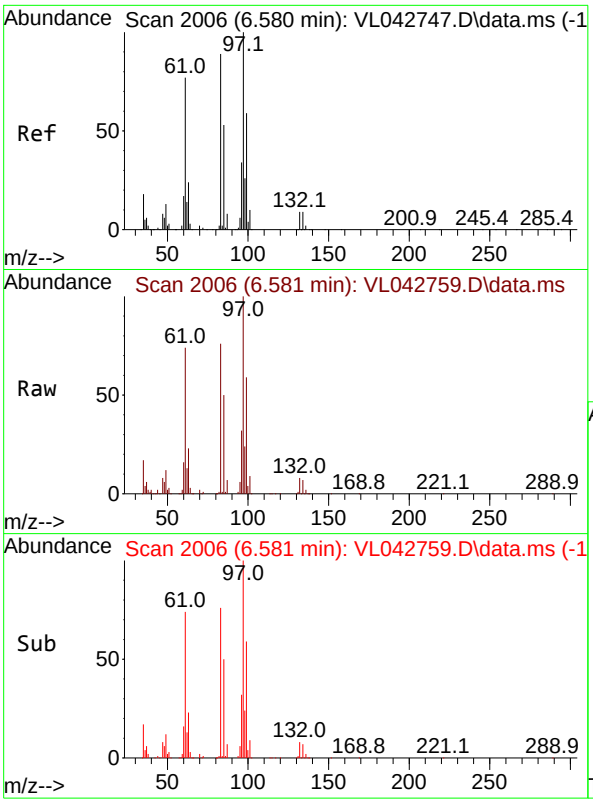


#46
cis-1,3-Dichloropropene
Concen: 10.660 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 75 Resp: 209089

Ion	Ratio	Lower	Upper
75	100		
39	67.9	60.2	90.2
77	29.0	22.6	34.0



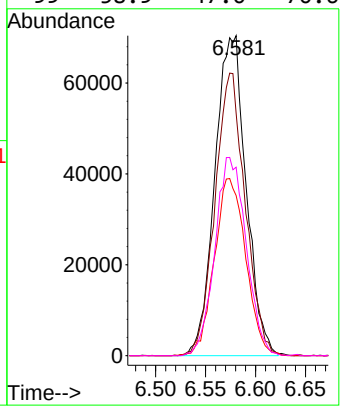


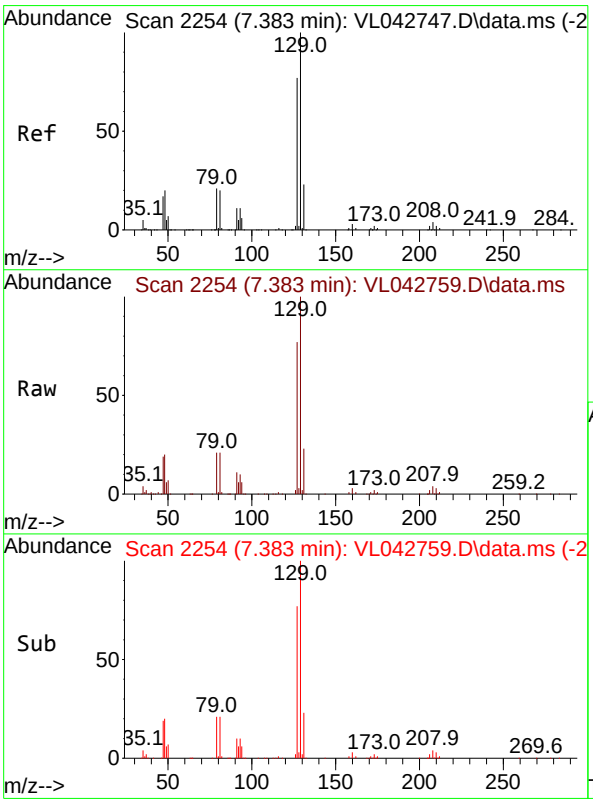
#47
1,1,2-Trichloroethane
Concen: 10.012 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 97 Resp: 152989

Ion	Ratio	Lower	Upper
97	100		
83	75.8	71.1	106.7
85	49.9	43.0	64.4
99	58.9	47.0	70.6

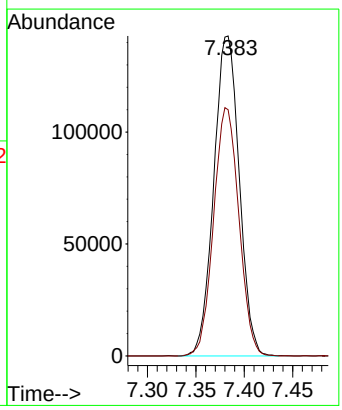


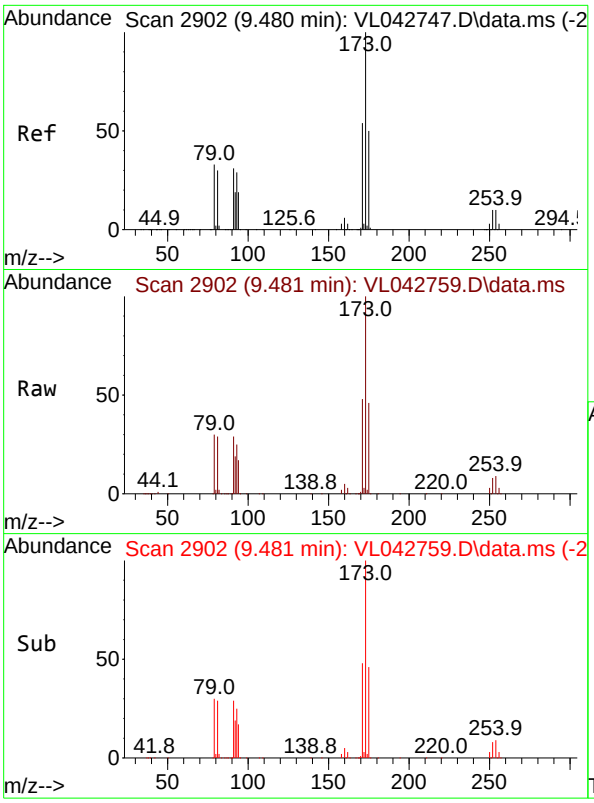


#48
Dibromochloromethane
Concen: 10.762 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:129 Resp: 261055

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.7	116.1



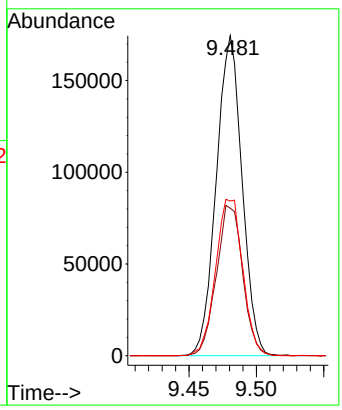


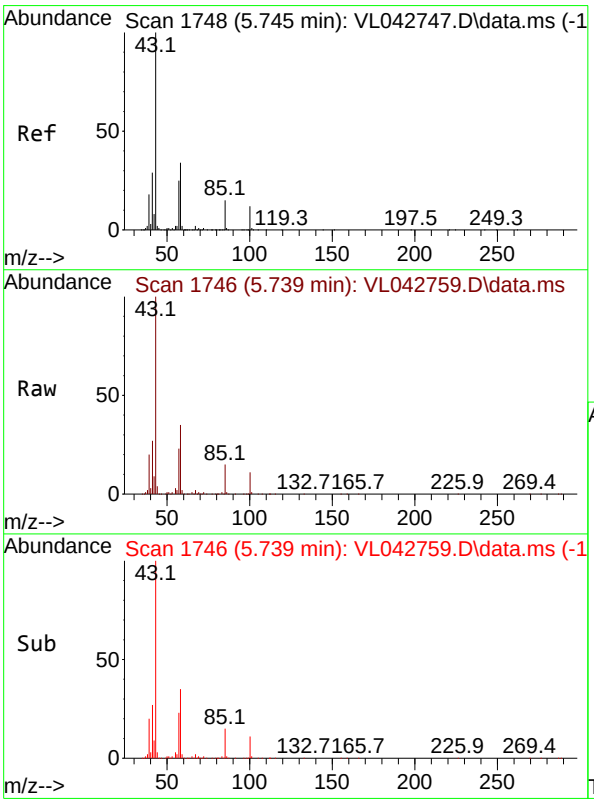
#49
Bromoform
Concen: 10.984 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:173 Resp: 232332

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.4	57.6
171	51.5	40.9	61.3

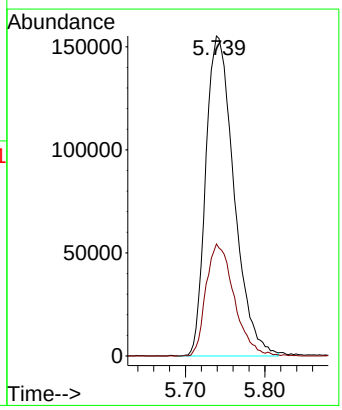


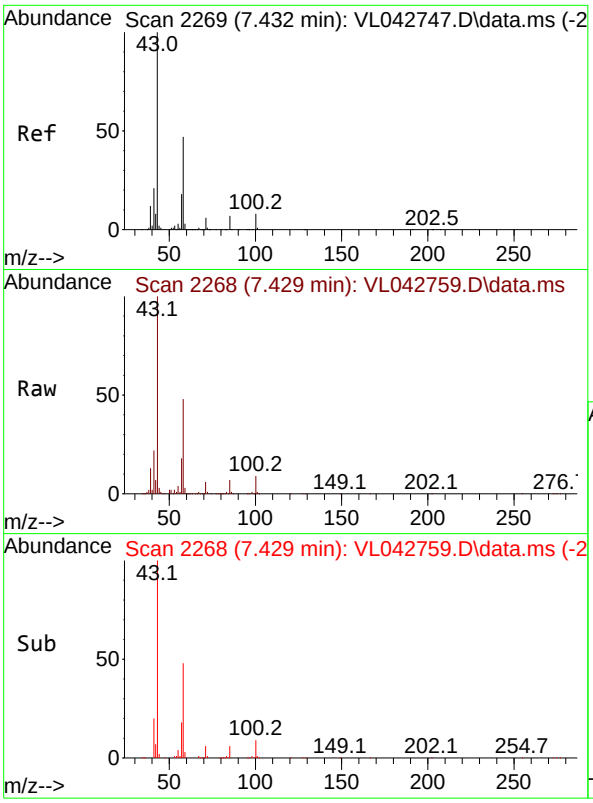


#50
4-Methyl-2-Pentanone
Concen: 10.249 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.006 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 43 Resp: 383204

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8



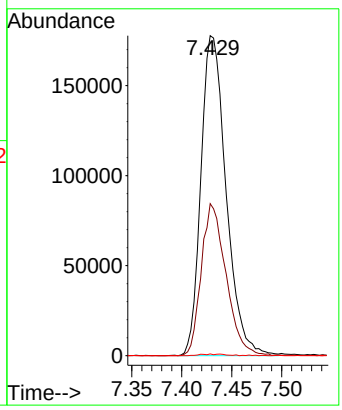


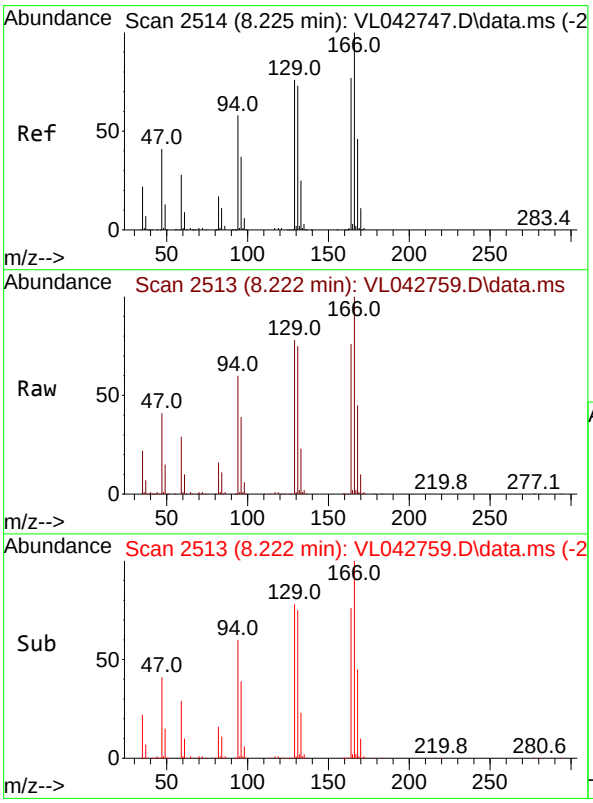
#51
2-Hexanone
Concen: 11.041 ppbv
RT: 7.429 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 43 Resp: 311933

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.0	57.0
98	0.6	0.2	0.4#

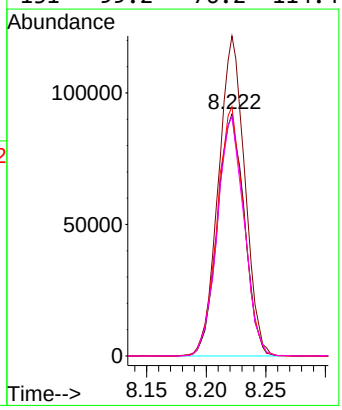


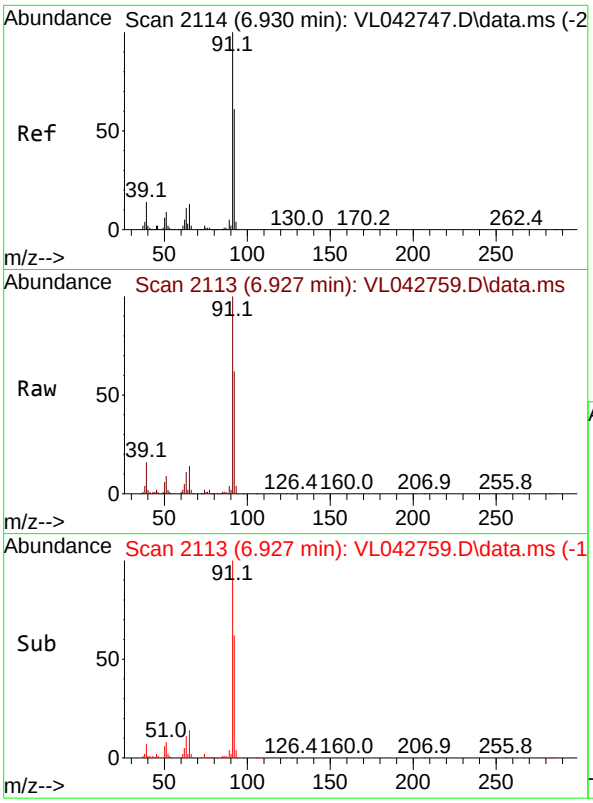


#52
Tetrachloroethene
Concen: 8.934 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:164 Resp: 143808

Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.0	156.0
129	103.1	79.2	118.8
131	99.2	76.2	114.4



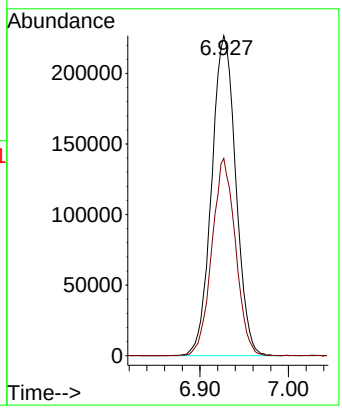


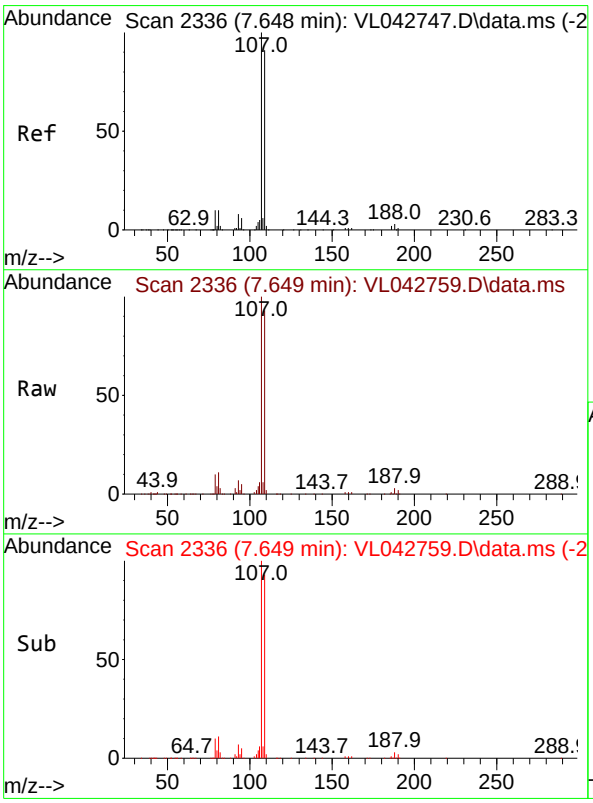
#53
Toluene
Concen: 10.310 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 91 Resp: 429910

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.0	72.0

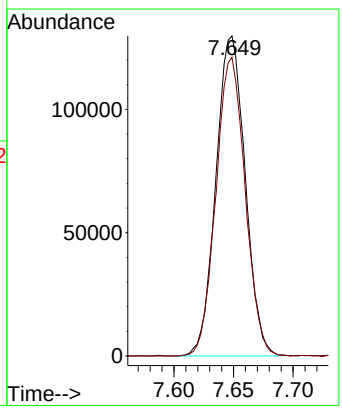


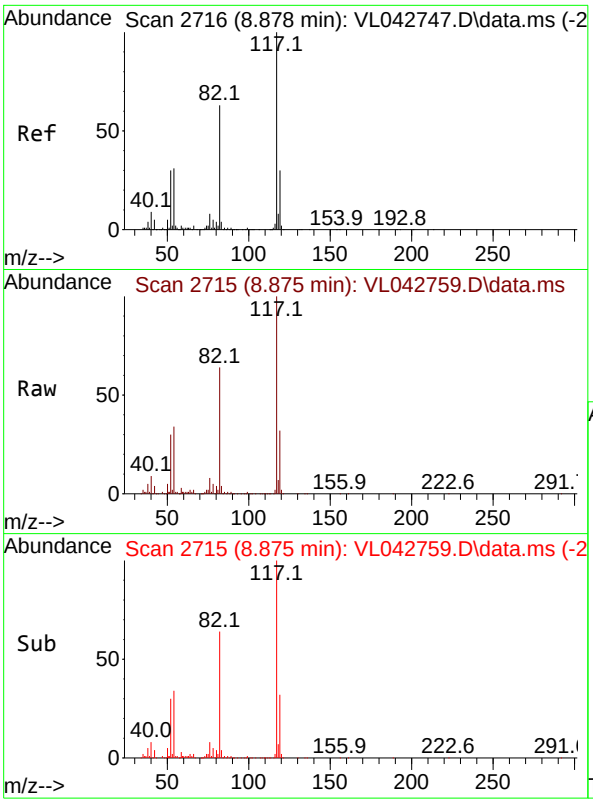


#54
1,2-Dibromoethane
Concen: 10.275 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:107 Resp: 221820

Ion	Ratio	Lower	Upper
107	100		
109	93.4	72.7	109.1



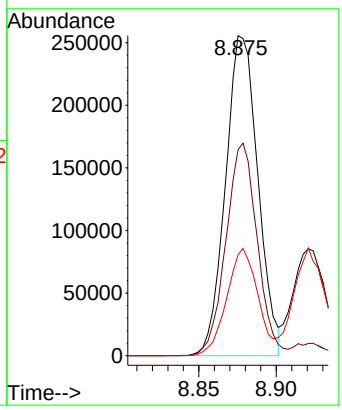


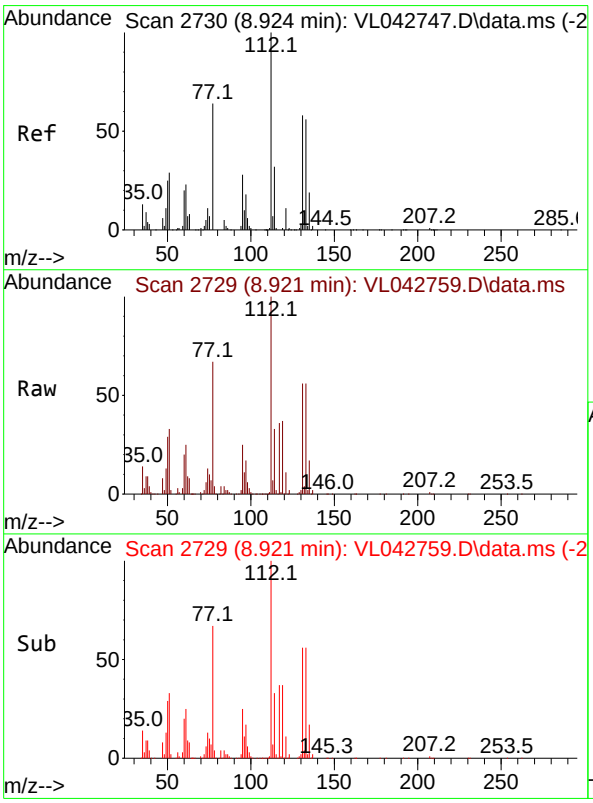
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:117 Resp: 372748

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.3	79.9
119	31.3	25.8	38.6

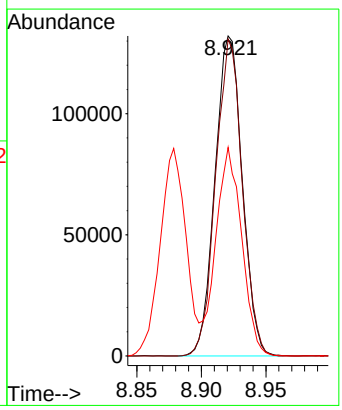


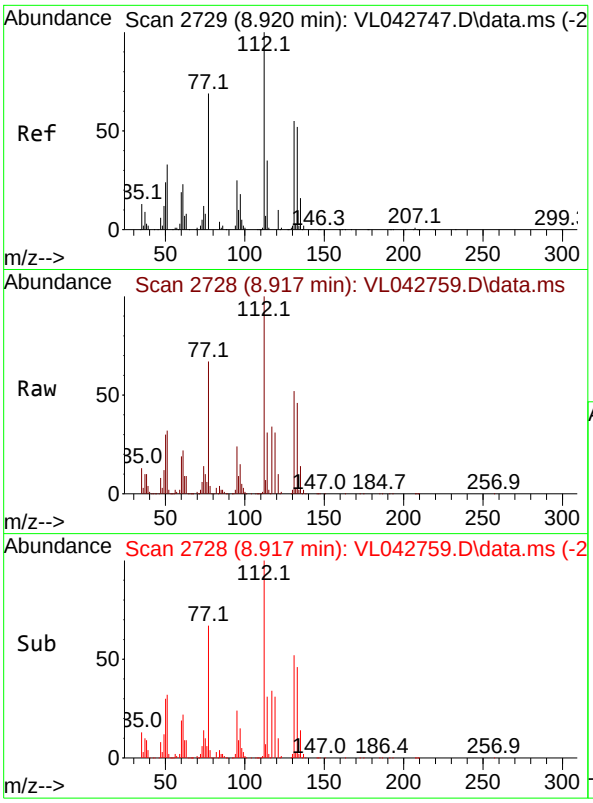


#56
1,1,1,2-Tetrachloroethane
Concen: 10.027 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:131 Resp: 194327

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.8	115.2
119	62.1	49.7	74.5



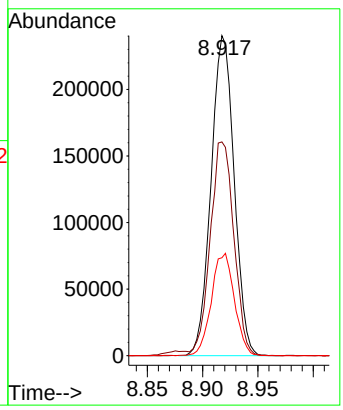


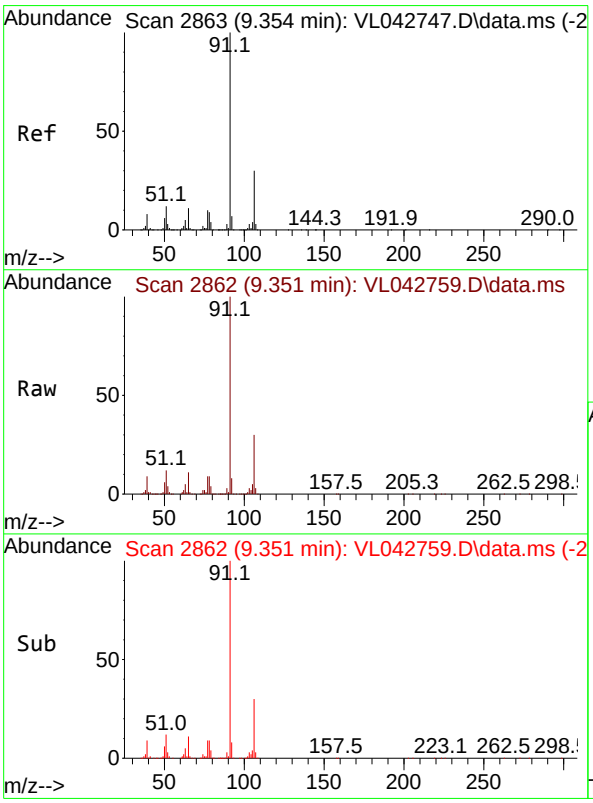
#57
Chlorobenzene
Concen: 9.673 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:112 Resp: 348937

Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.4	84.6
114	30.6	31.2	38.2#

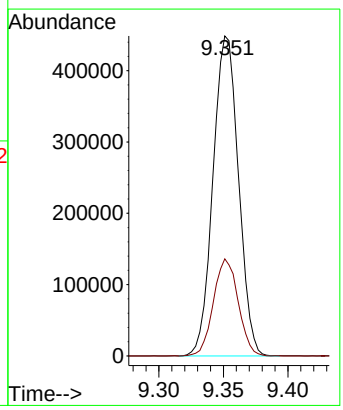


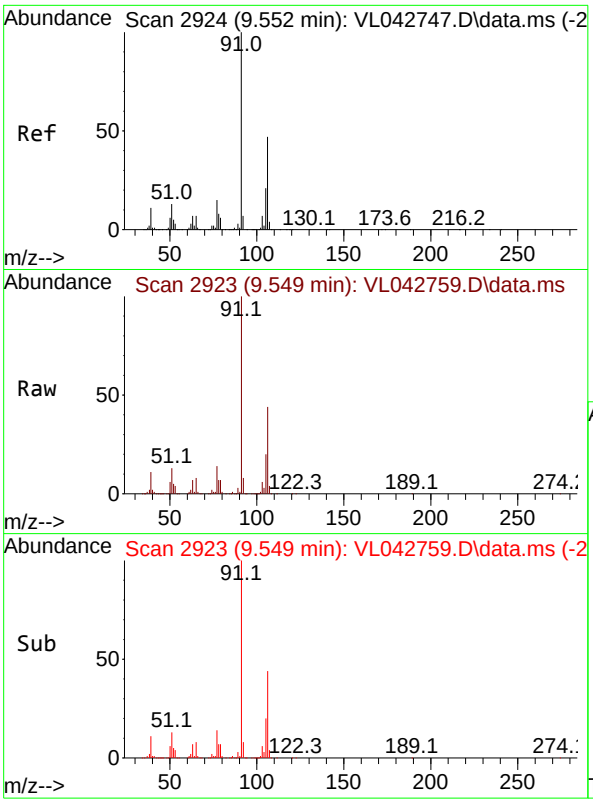


#58
Ethyl Benzene
Concen: 10.460 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 615722

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.8	35.6



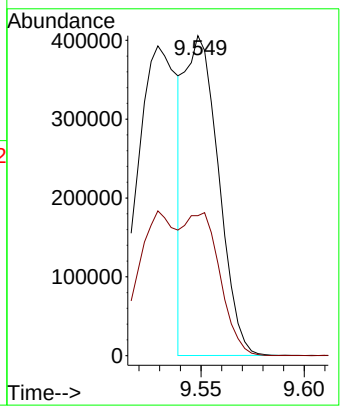


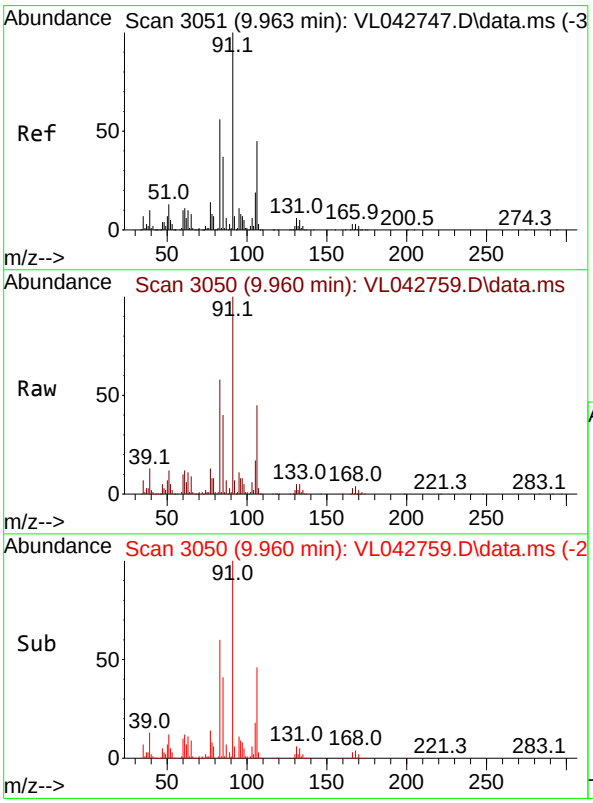
#59
m/p-Xylene
Concen: 9.876 ppbv
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 91 Resp: 464623

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

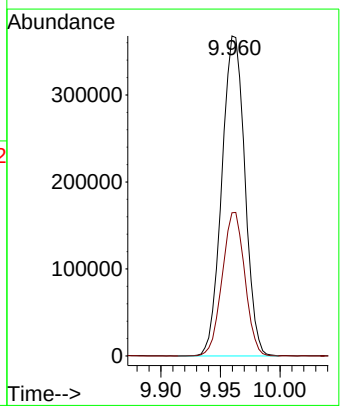


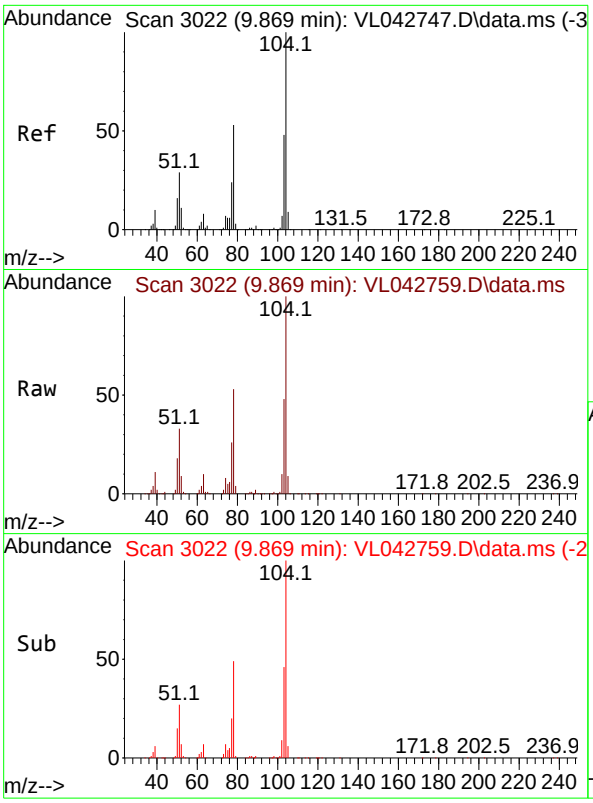


#60
o-Xylene
Concen: 10.504 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 493768

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.0	66.0



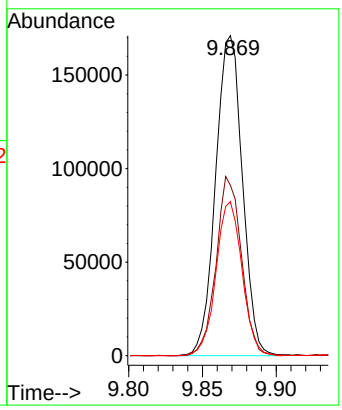


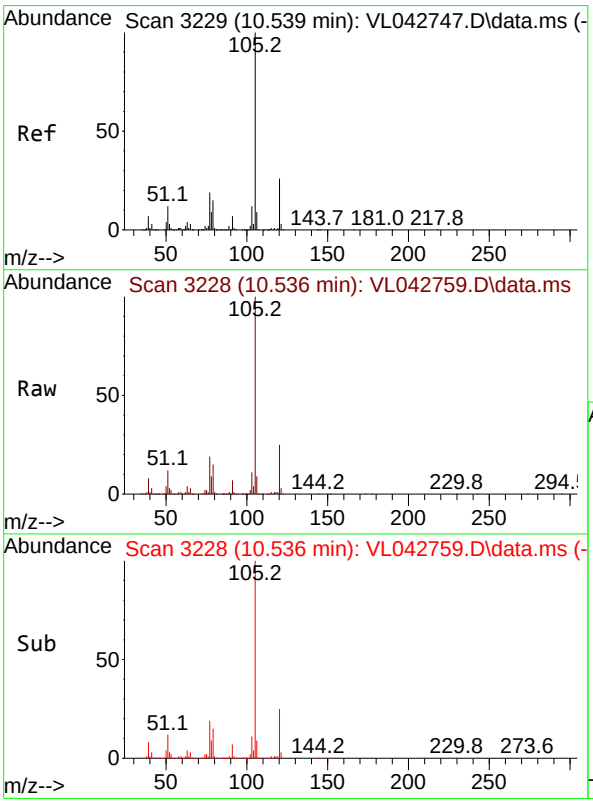
#61
Styrene
Concen: 10.938 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:104 Resp: 216283

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.5	62.3
103	46.9	37.5	56.3

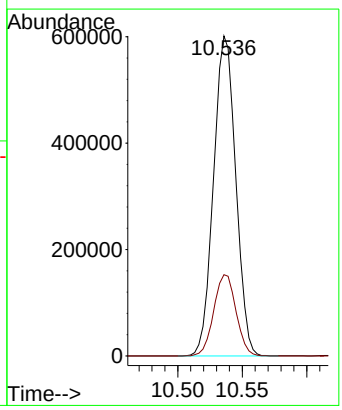


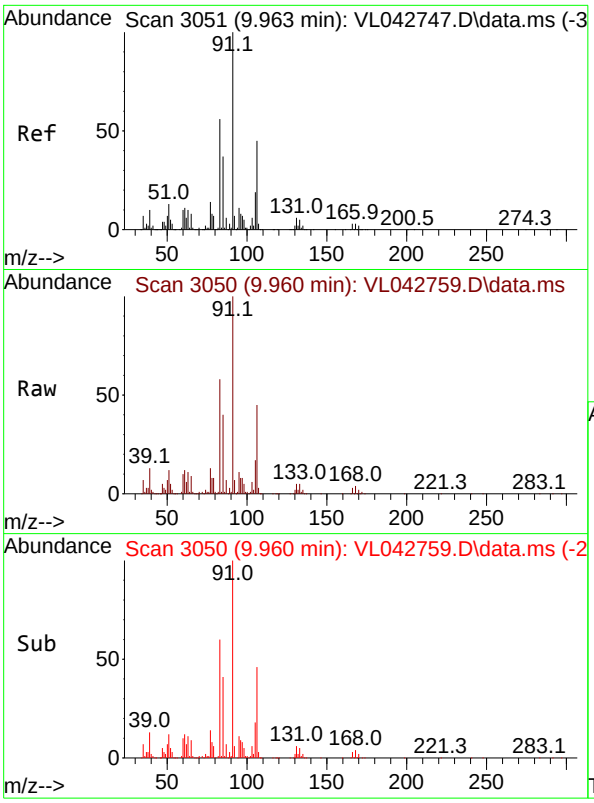


#62
Isopropylbenzene
Concen: 10.365 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 718669

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7



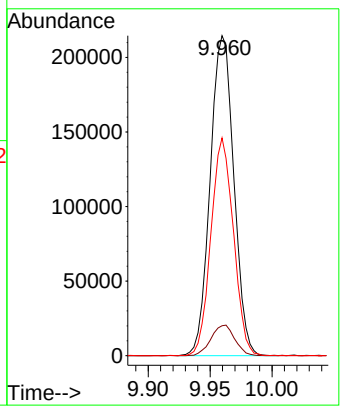


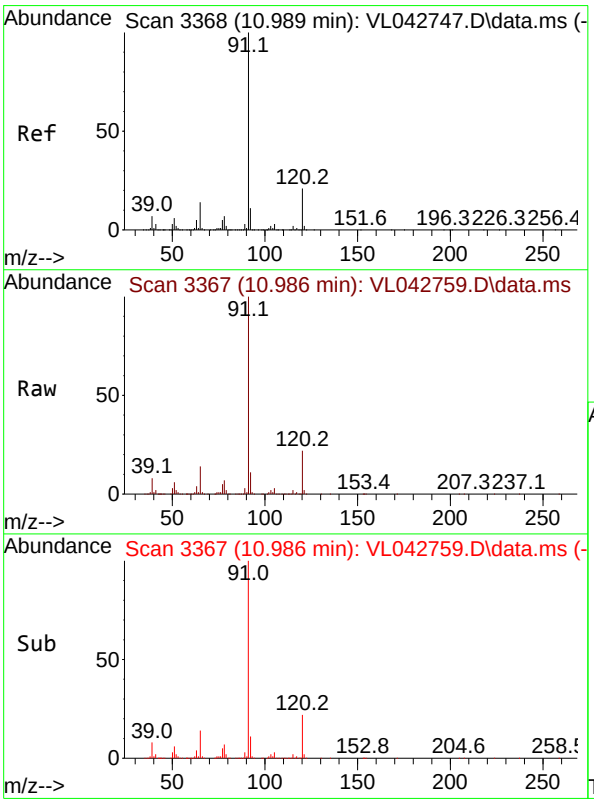
#63
1,1,2,2-Tetrachloroethane
Concen: 9.462 ppbv
RT: 9.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 83 Resp: 285543

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	15.0
85	64.8	32.6	97.7

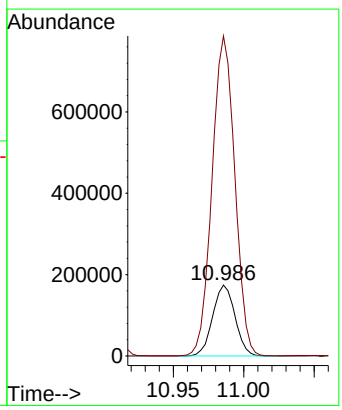


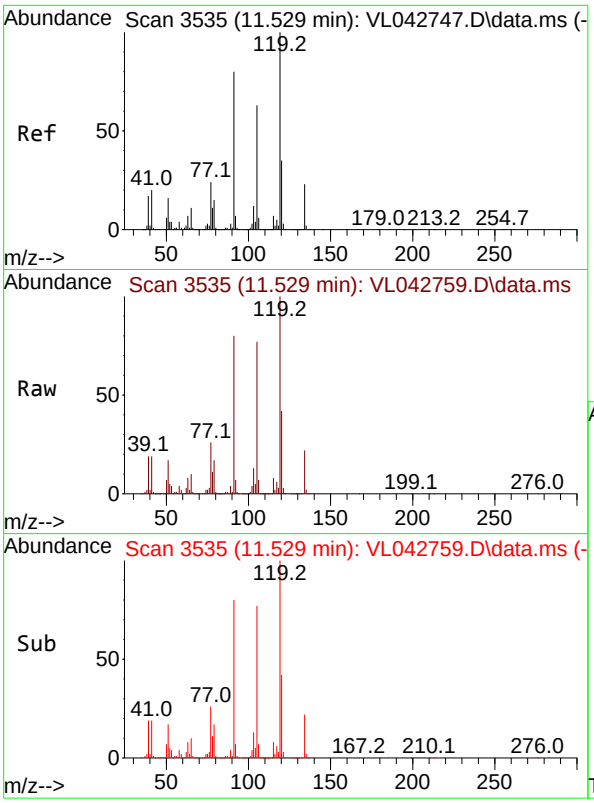


#64
n-propylbenzene
Concen: 10.641 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:120 Resp: 192364

Ion	Ratio	Lower	Upper
120	100		
91	460.8	372.7	559.1



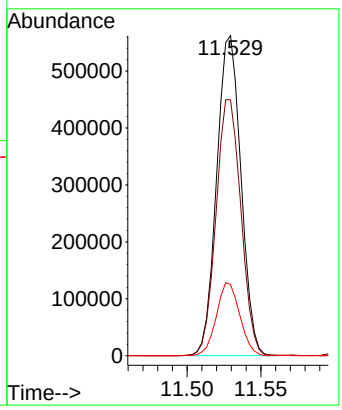


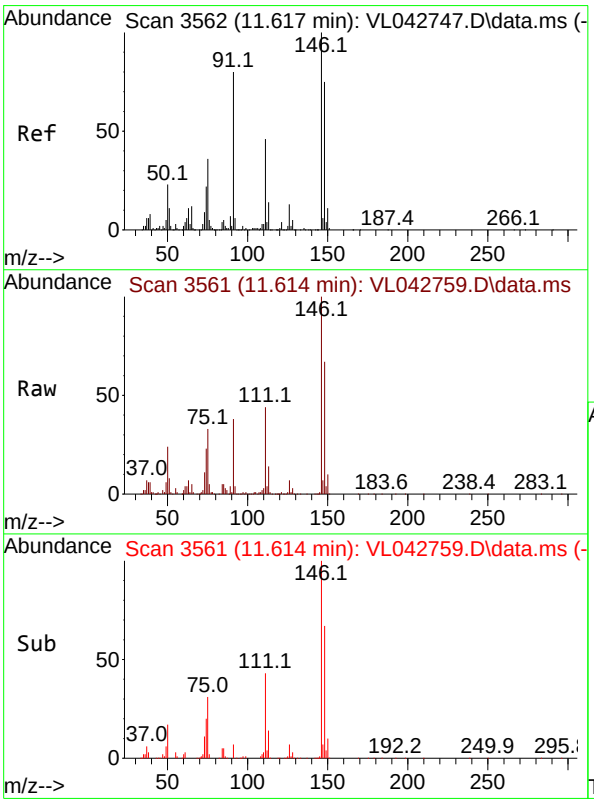
#65
tert-Butylbenzene
Concen: 10.458 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:119 Resp: 644135

Ion	Ratio	Lower	Upper
119	100		
91	82.1	64.0	96.0
134	22.0	17.3	25.9

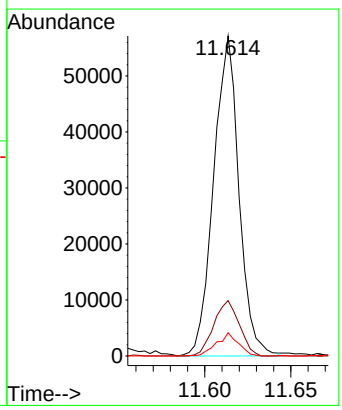


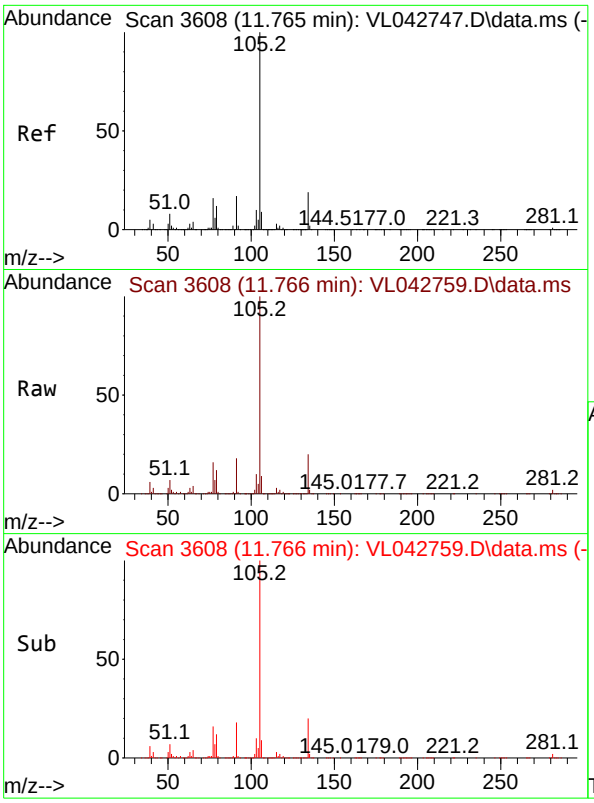


#66
Benzyl Chloride
Concen: 11.562 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 58462

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.4	21.6
128	6.3	5.2	7.8



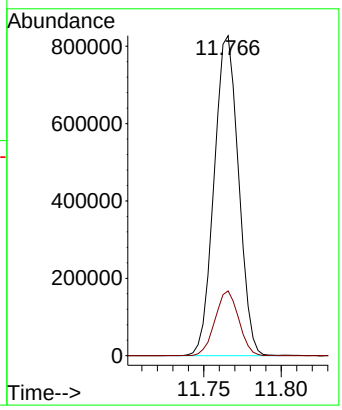


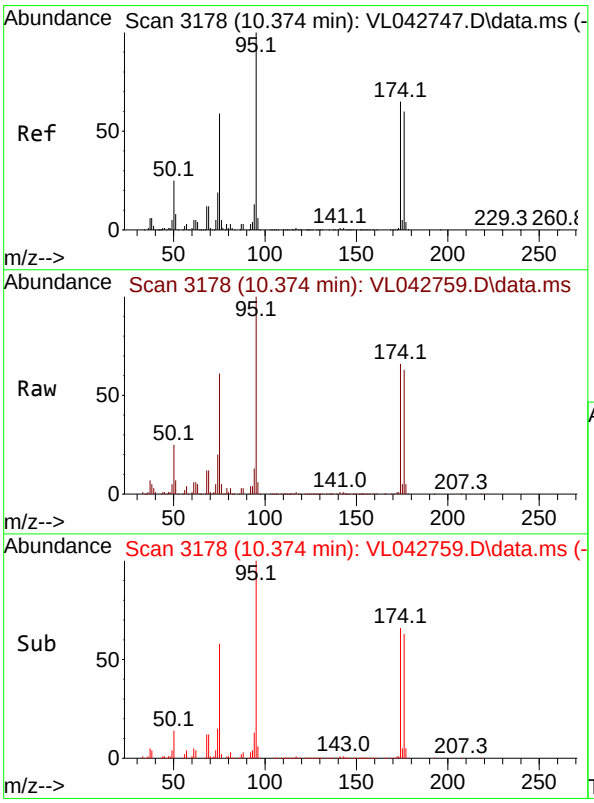
#67
sec-Butylbenzene
Concen: 10.335 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:105 Resp: 905326

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3

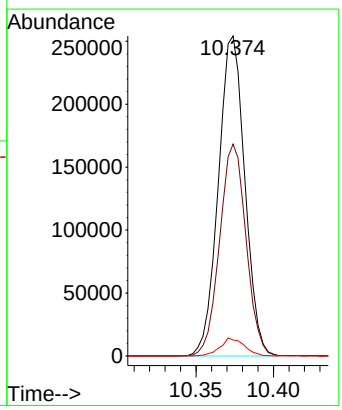


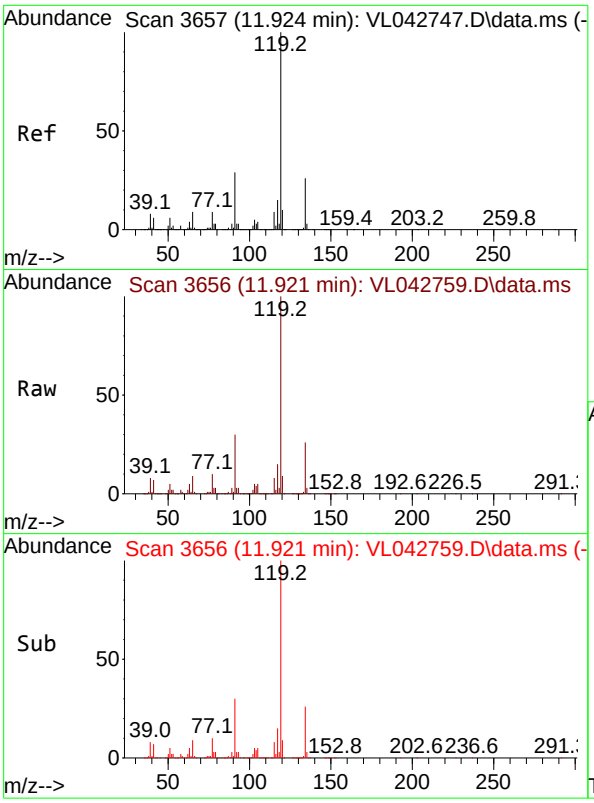


#68
1-Bromo-4-Fluorobenzene
Concen: 10.226 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 95 Resp: 301860

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.8	80.6
175	5.1	4.0	6.0



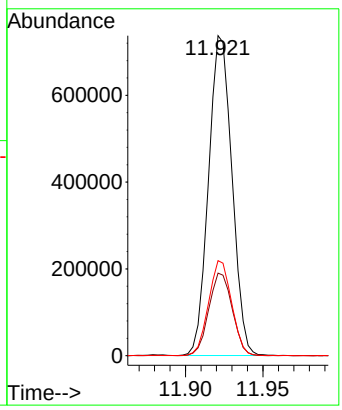


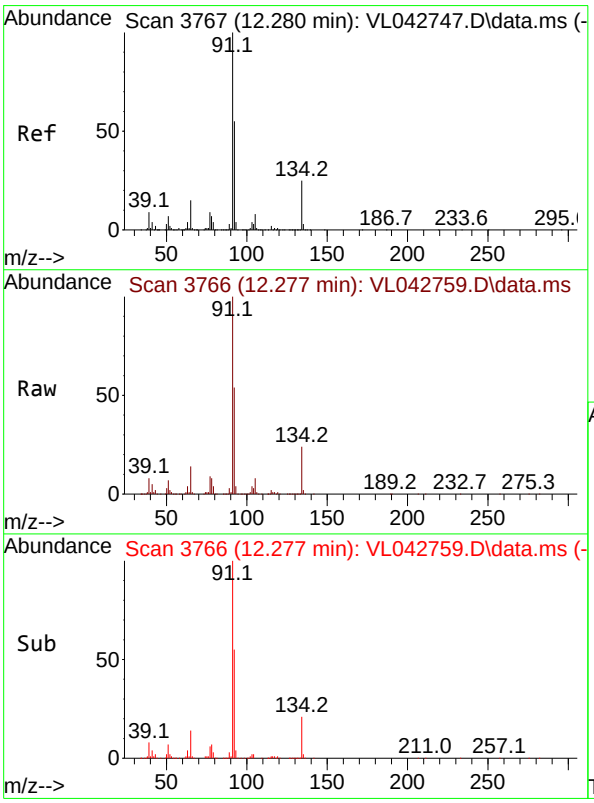
#69
p-Isopropyltoluene
Concen: 10.839 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:119 Resp: 774218

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	29.3	23.2	34.8

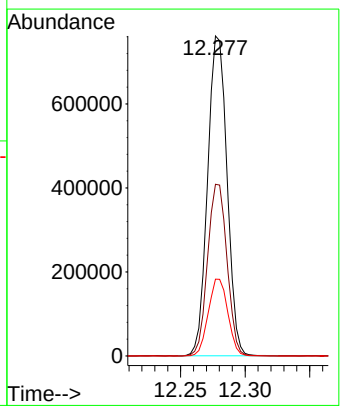


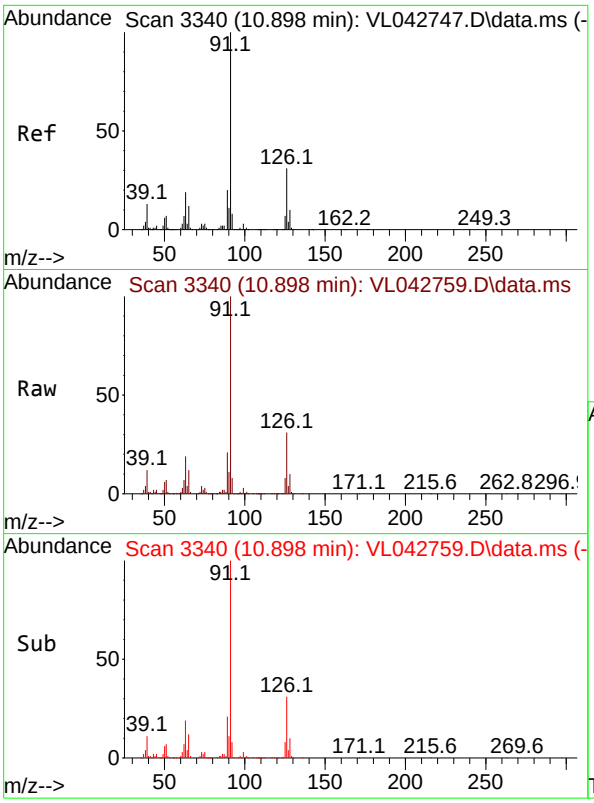


#70
n-Butylbenzene
Concen: 11.537 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion: 91 Resp: 795999

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	24.3	19.6	29.4



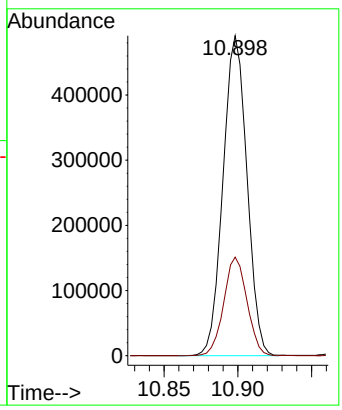


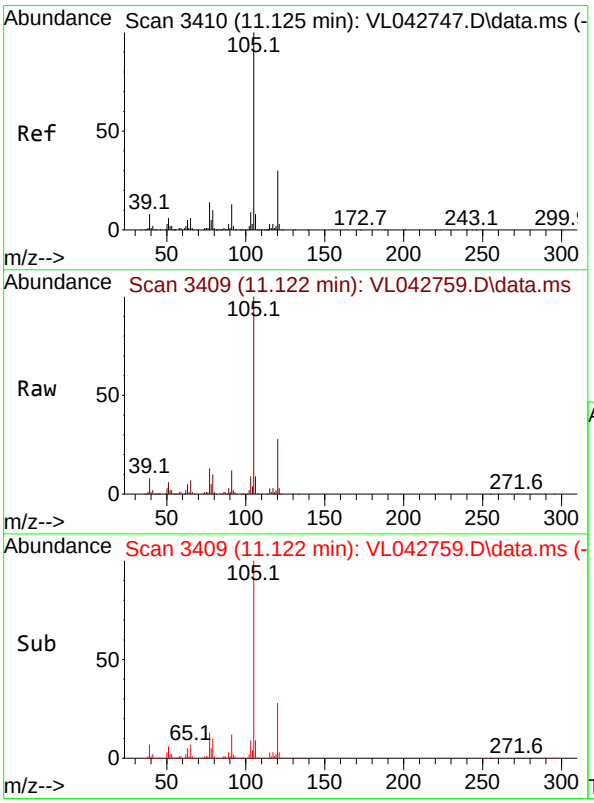
#71
2-Chlorotoluene
Concen: 10.432 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion: 91 Resp: 554642

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	48.2

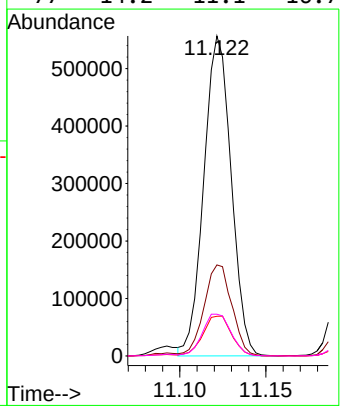


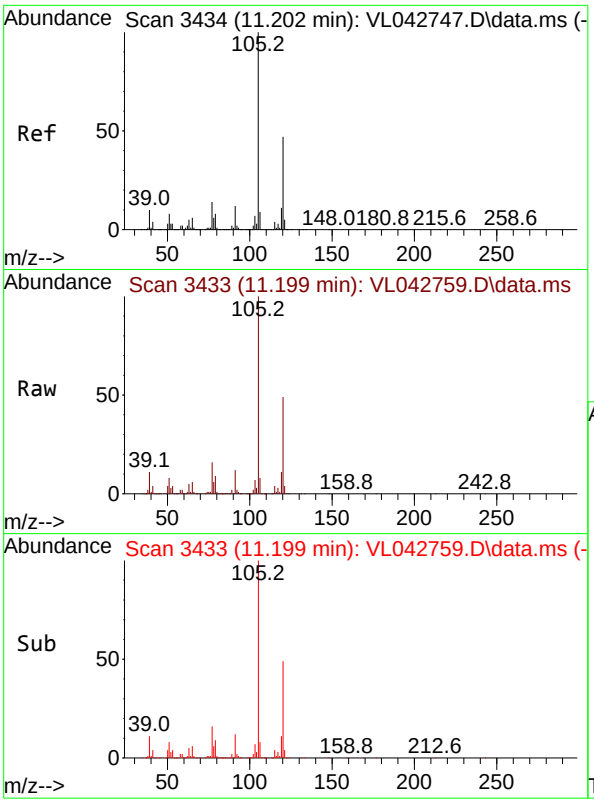


#72
4-Ethyltoluene
Concen: 10.975 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 616153

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.4	36.6
91	13.4	10.6	15.8
77	14.2	11.1	16.7



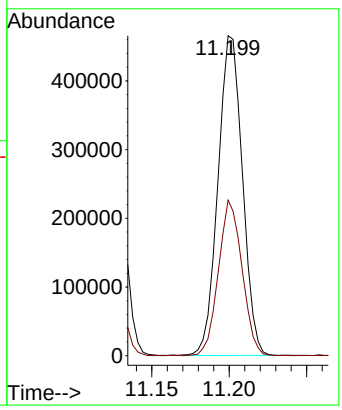


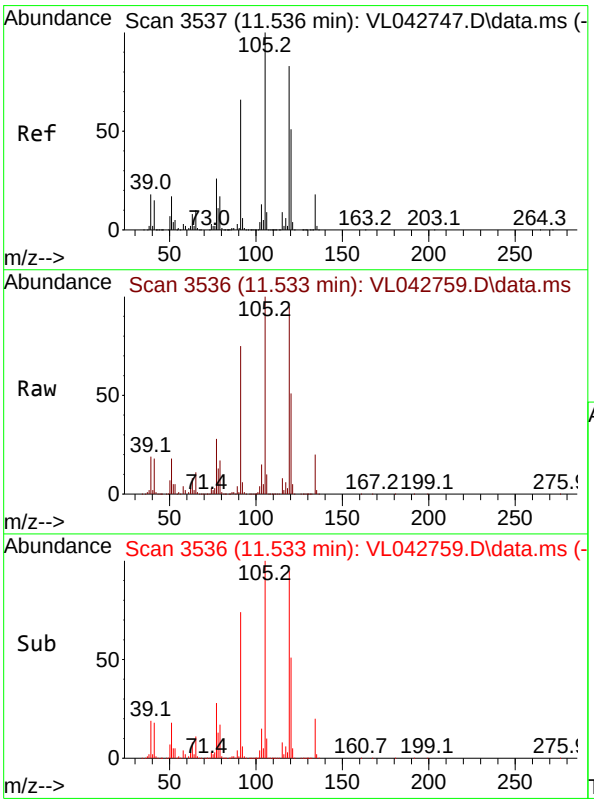
#73
1,3,5-Trimethylbenzene
Concen: 11.062 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:105 Resp: 511323

Ion	Ratio	Lower	Upper
105	100		
120	48.6	37.8	56.8

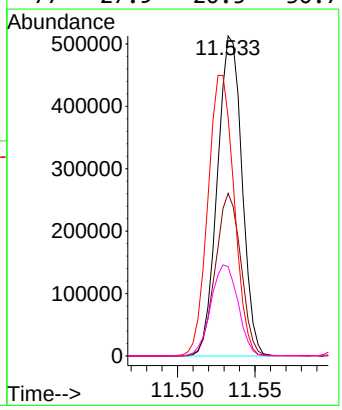


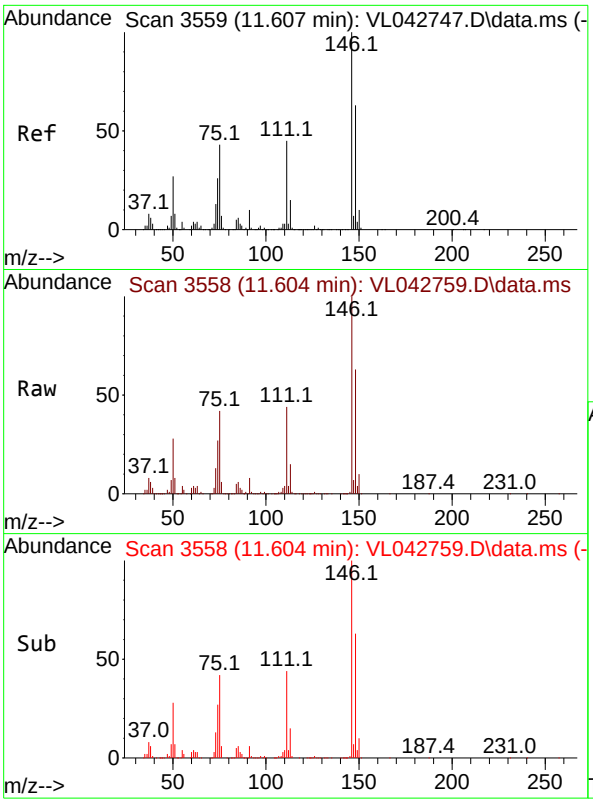


#74
1,2,4-Trimethylbenzene
Concen: 11.247 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:105 Resp: 567154

Ion	Ratio	Lower	Upper
105	100		
120	50.8	40.8	61.2
91	74.4	53.0	79.4
77	27.9	20.5	30.7



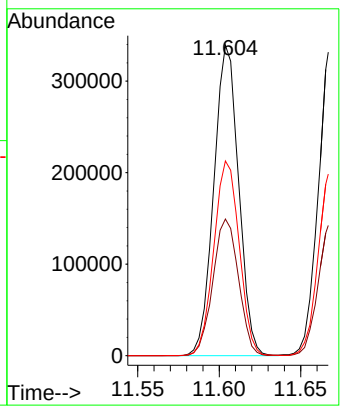


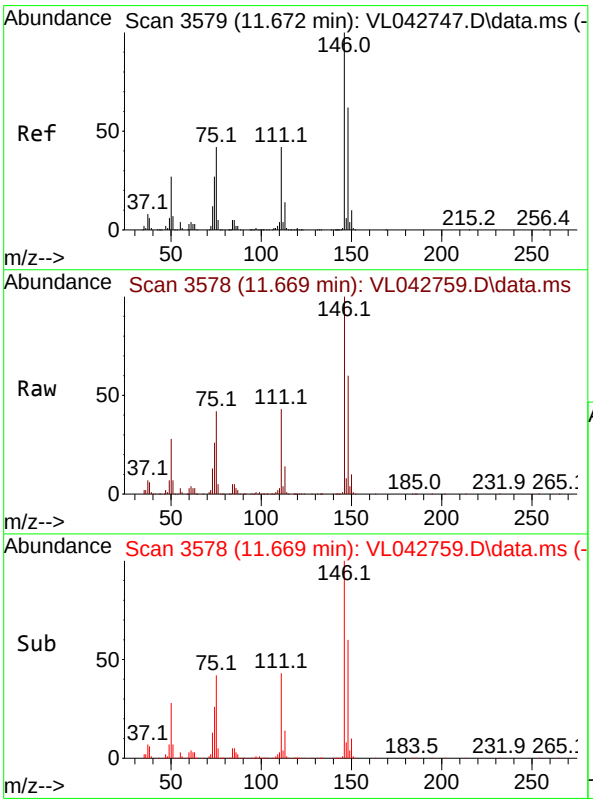
#75
1,3-Dichlorobenzene
Concen: 10.158 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:146 Resp: 359124

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.7	68.0
148	64.2	31.9	95.5

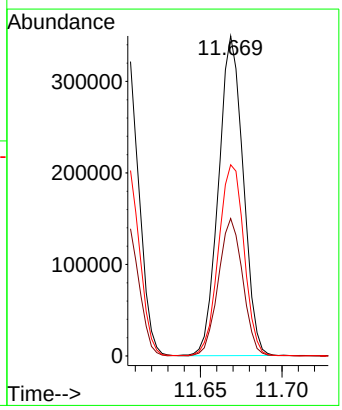


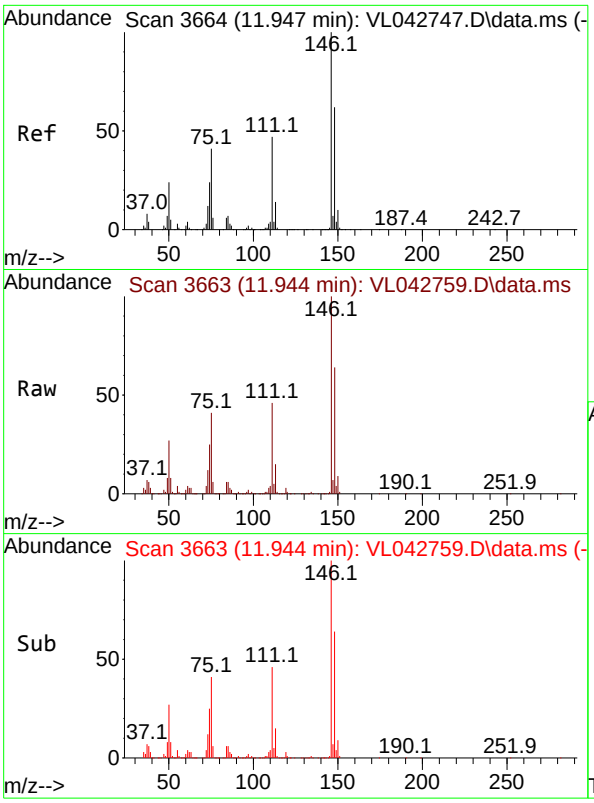


#76
1,4-Dichlorobenzene
Concen: 10.593 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:146 Resp: 366455

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.2
148	62.2	32.1	96.3



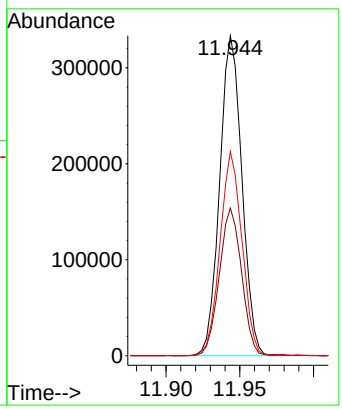


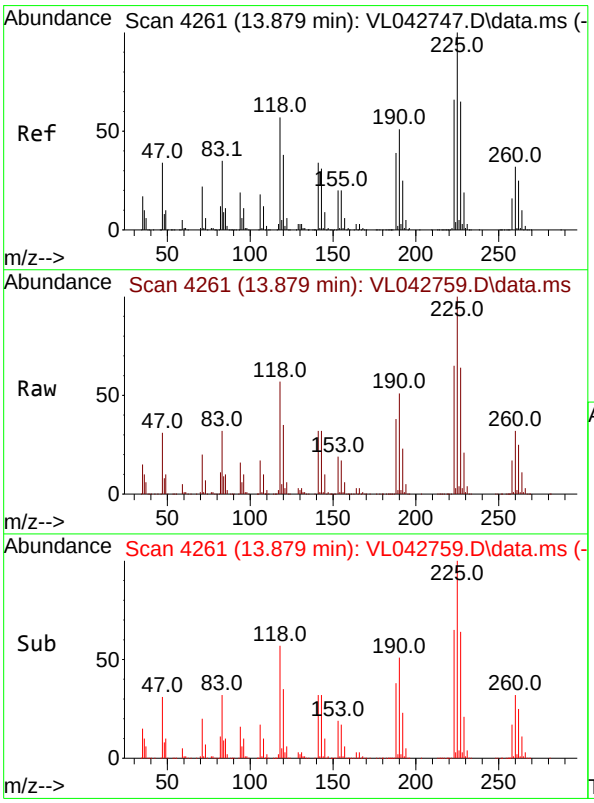
#77
1,2-Dichlorobenzene
Concen: 10.069 ppbv
RT: 11.944 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:146 Resp: 349845

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.7	71.1
148	63.1	32.6	97.7

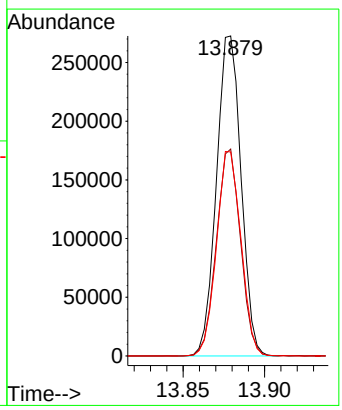


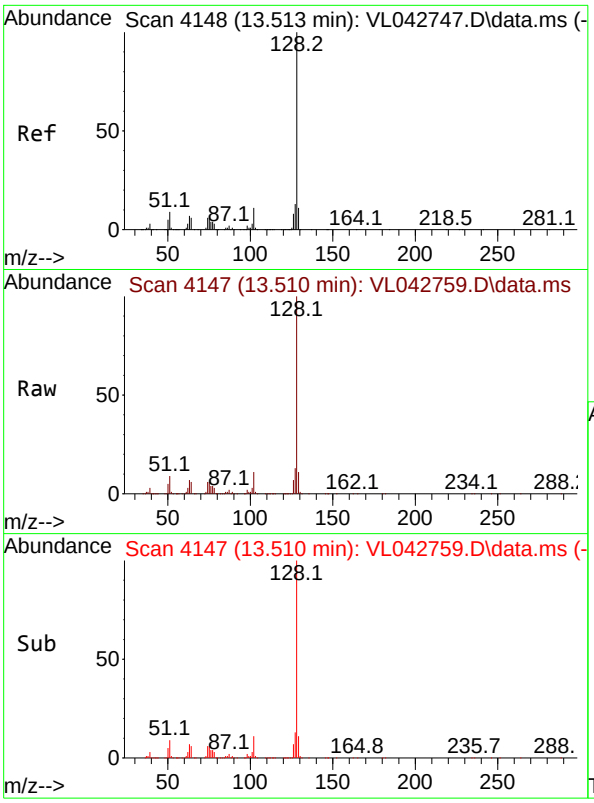


#78
Hexachloro-1,3-Butadiene
Concen: 9.105 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:225 Resp: 286338

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.7	76.1
227	63.4	50.5	75.7



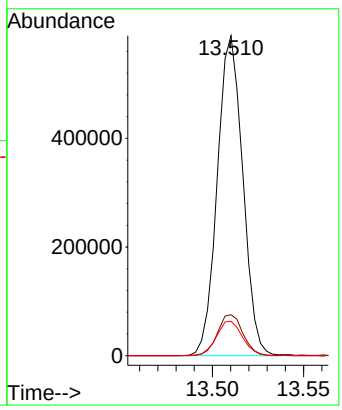


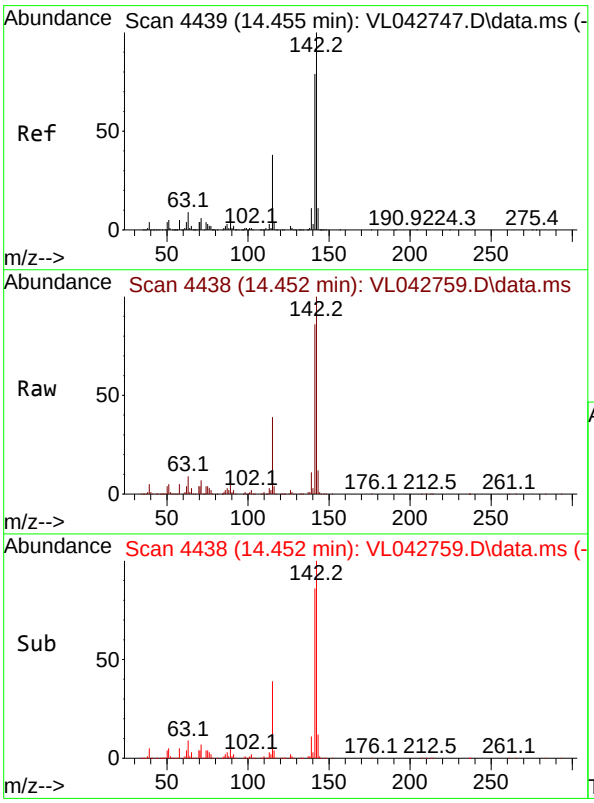
#79
Naphthalene
Concen: 10.428 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:128 Resp: 571679

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.6	13.0

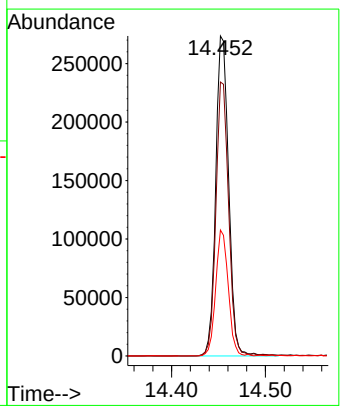


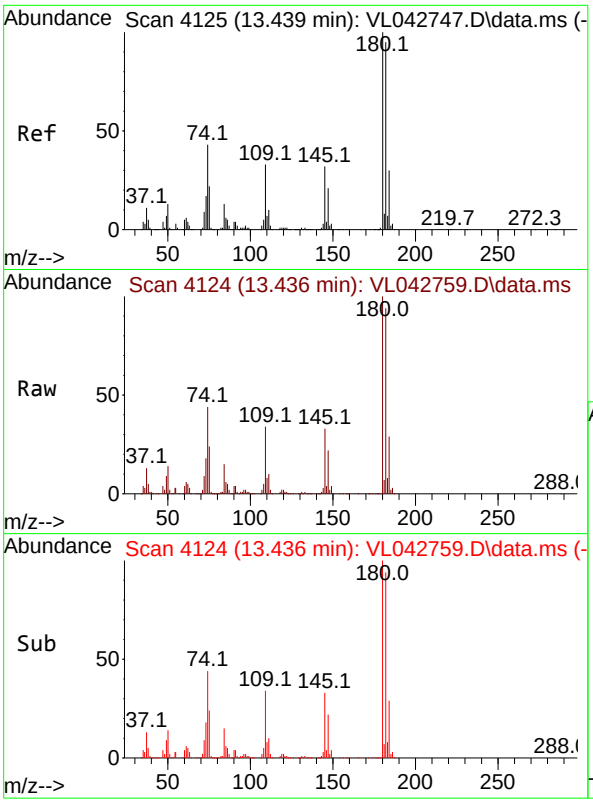


#80
Naphthalene,2-methyl-
Concen: 9.625 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Tgt Ion:142 Resp: 262069

Ion	Ratio	Lower	Upper
142	100		
141	84.8	65.8	98.8
115	38.7	31.2	46.8



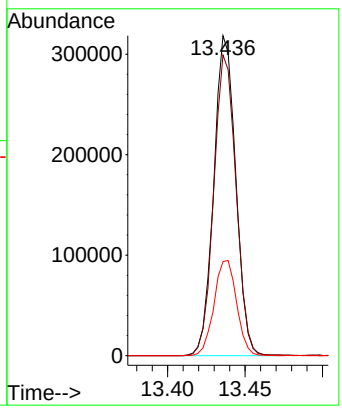


#81
1,2,4-Trichlorobenzene
Concen: 10.192 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042759.D
Acq: 24 Jul 2025 10:57

Instrument :
MSVOA_L
ClientSampleId :
VL0724ABS01

Tgt Ion:180 Resp: 313681

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
184	30.7	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042760.D
Acq On : 24 Jul 2025 11:39
Operator : SY/MD
Sample : Q2671-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Quant Time: Jul 25 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

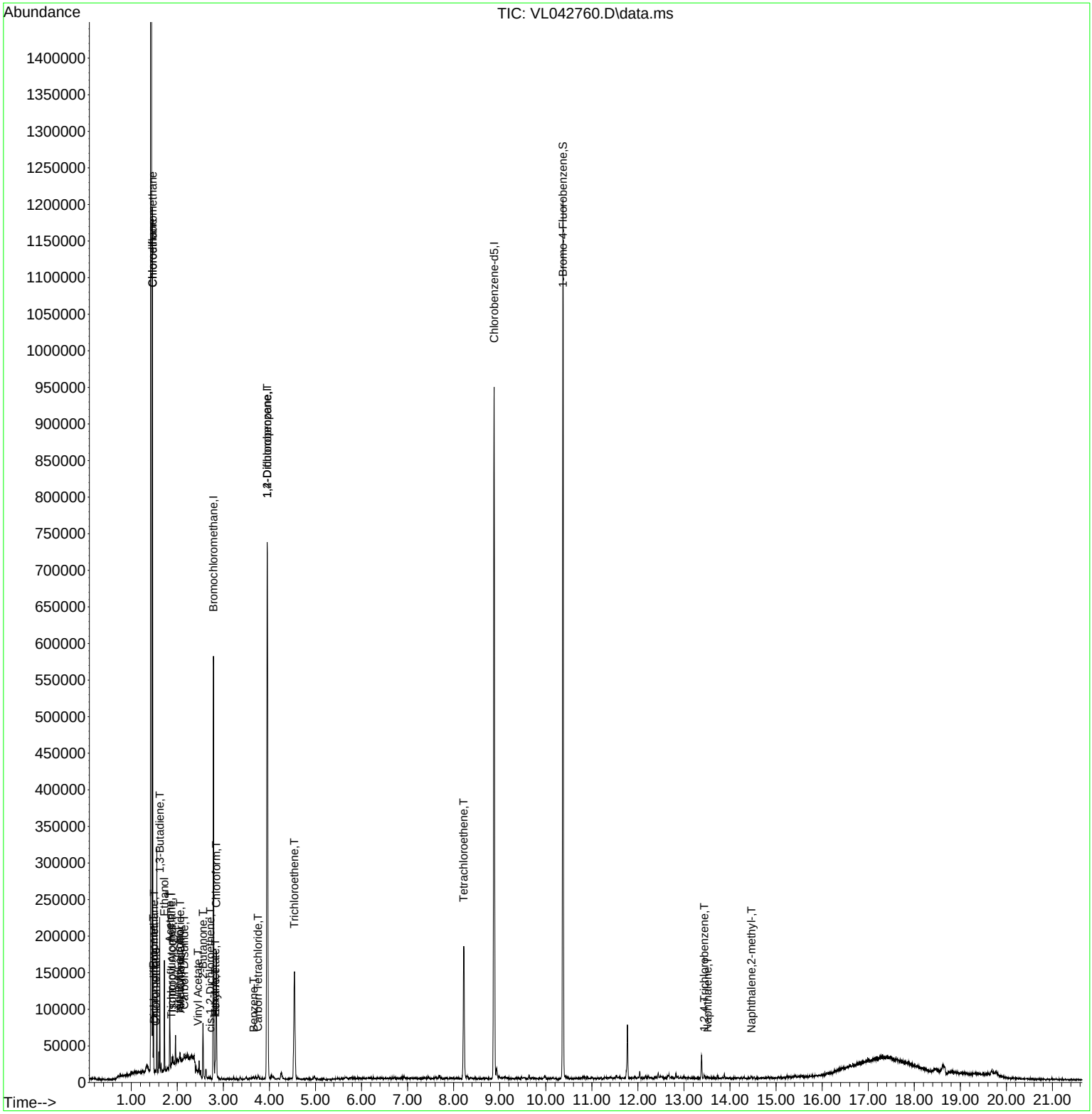
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	156495	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	430230	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	375286	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	293938	9.890	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	915	0.044	ppbv	#	75
3) Chlorodifluoromethane	1.463	51	264280	9.805	ppbv	#	58
4) Chloromethane	1.528	50	192	0.023	ppbv	#	41
7) Chloroethane	1.463	64	12954	4.054	ppbv		93
9) Propene	1.483	41	7762	0.792	ppbv		86
11) Trichlorofluoromethane	1.874	101	430	0.020	ppbv	#	60
13) Ethanol	1.719	45	49390	68.091	ppbv		92
15) Acetone	1.835	43	46128	2.135	ppbv		99
16) 1,3-Butadiene	1.619	39	11068	1.201	ppbv	#	22
17) tert-Butyl alcohol	2.046	59	1657	0.085	ppbv	#	89
19) Isopropyl Alcohol	1.887	45	4911	0.428	ppbv	#	1
20) Methylene Chloride	2.062	84	1440	0.211	ppbv	#	64
21) Allyl Chloride	2.075	41	649	0.049	ppbv	#	50
23) Vinyl Acetate	2.450	43	941	0.036	ppbv	#	12
25) Ethyl Acetate	2.826	43	2972	0.062	ppbv	#	68
26) Hexane	2.823	57	4829	0.230	ppbv	#	47
27) Carbon Disulfide	2.149	76	3917	0.218	ppbv	#	1
29) Chloroform	2.848	83	67233	2.074	ppbv		97
31) cis-1,2-Dichloroethene	2.719	61	654	0.030	ppbv	#	80
34) 2-Butanone	2.557	43	44716	1.467	ppbv		99
35) Carbon Tetrachloride	3.751	117	666	0.021	ppbv	#	77
36) Benzene	3.658	78	993	0.024	ppbv	#	63
38) Trichloroethene	4.541	130	40151	2.050	ppbv		96
39) 1,2-Dichloropropane	3.952	63	109416	7.270	ppbv	#	21
52) Tetrachloroethene	8.218	164	31954	1.891	ppbv		94
79) Naphthalene	13.513	128	1334	0.458	ppbv	#	88
80) Naphthalene,2-methyl-	14.468	142	944	1.159	ppbv	#	90
81) 1,2,4-Trichlorobenzene	13.442	180	333	0.445	ppbv	#	1

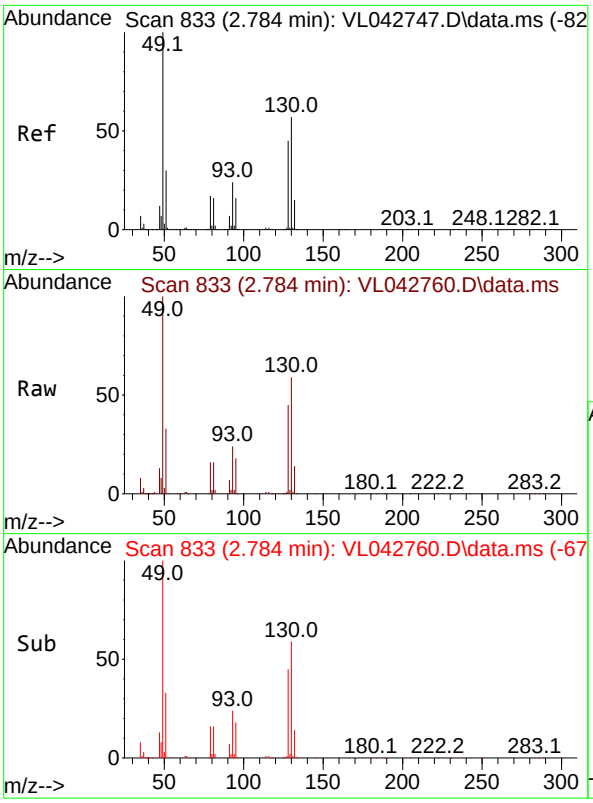
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042760.D
Acq On : 24 Jul 2025 11:39
Operator : SY/MD
Sample : Q2671-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Quant Time: Jul 25 01:25:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



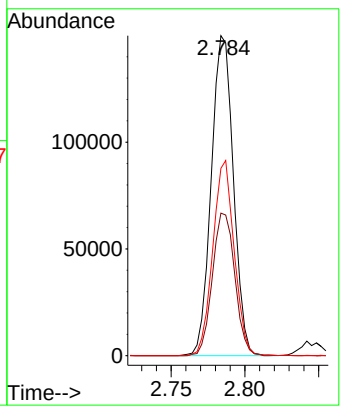


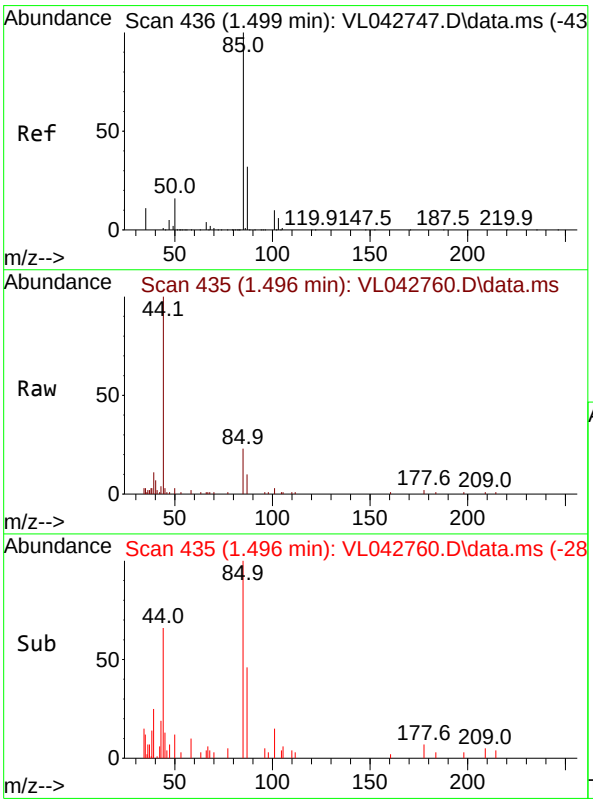
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 49 Resp: 156495

Ion	Ratio	Lower	Upper
49	100		
128	45.2	23.6	71.0
130	58.9	30.3	90.8

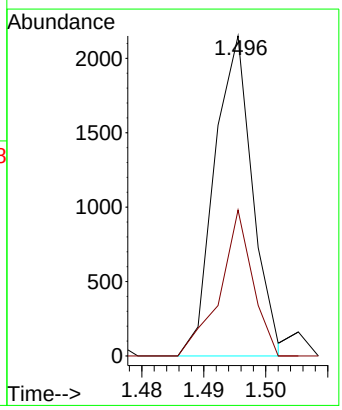


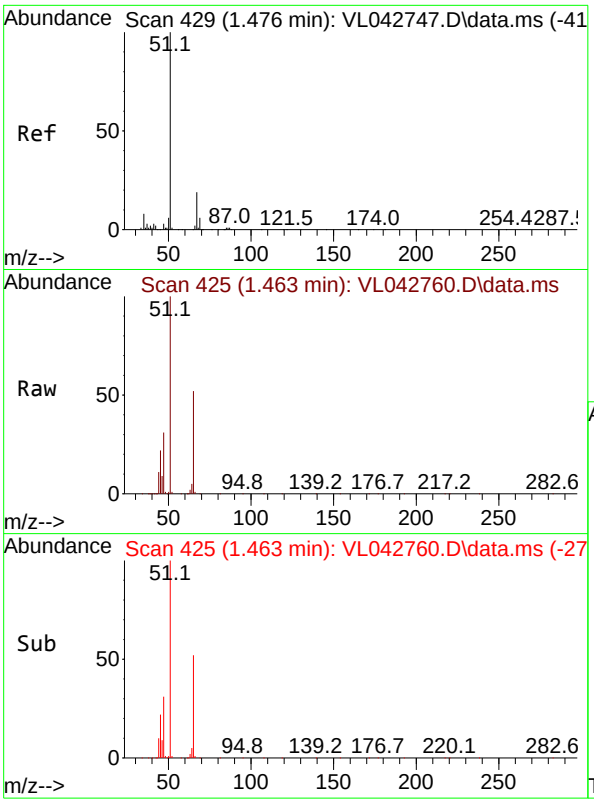


#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 85 Resp: 915

Ion	Ratio	Lower	Upper
85	100		
87	45.6	25.4	38.2#



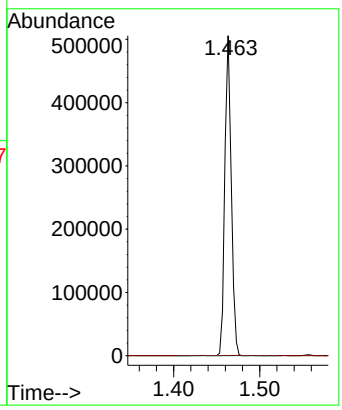


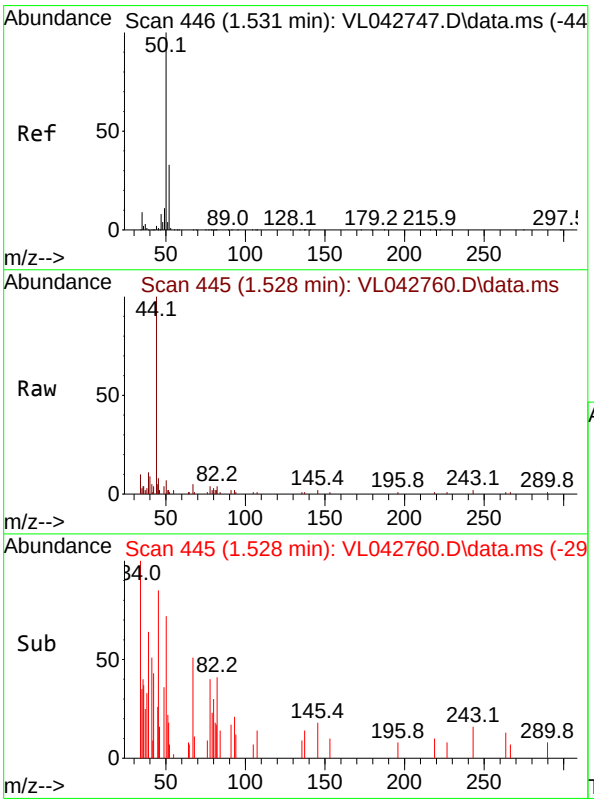
#3
Chlorodifluoromethane
Concen: 9.805 ppbv
RT: 1.463 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 51 Resp: 264280

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.0	22.6#

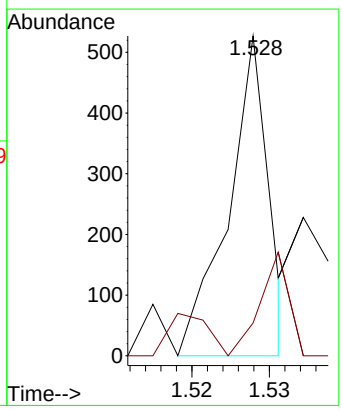


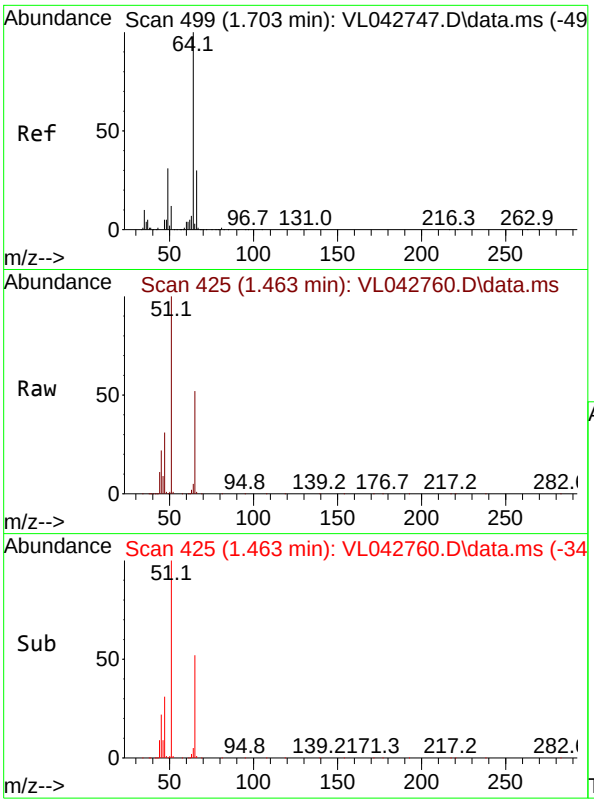


#4
Chloromethane
Concen: 0.023 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 50 Resp: 192

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.6	40.0#



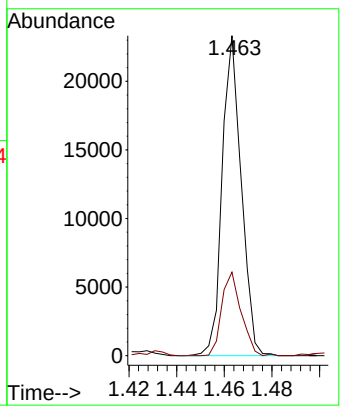


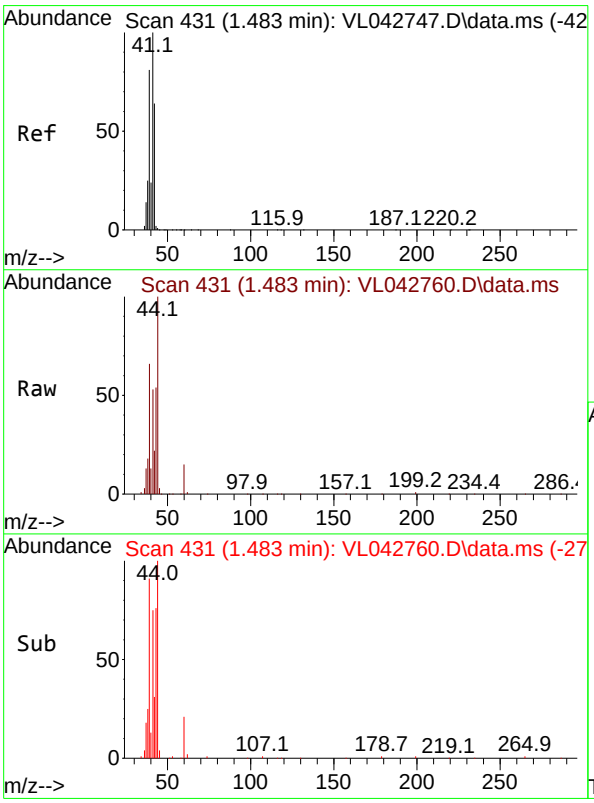
#7
Chloroethane
Concen: 4.054 ppbv
RT: 1.463 min Scan# 4
Delta R.T. -0.240 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 64 Resp: 12954

Ion	Ratio	Lower	Upper
64	100		
66	26.1	24.1	36.1

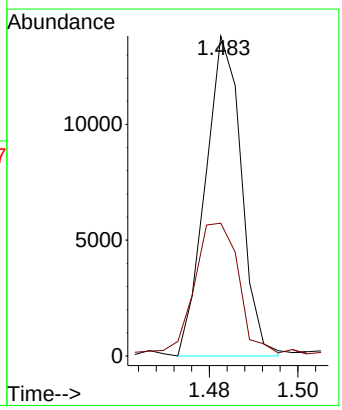


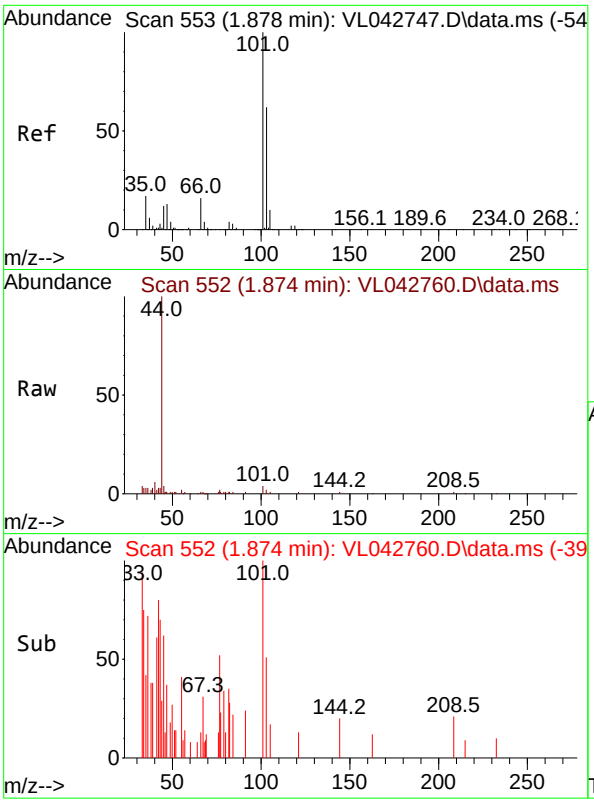


#9
Propene
Concen: 0.792 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 41 Resp: 7762

Ion	Ratio	Lower	Upper
41	100		
42	55.5	53.2	79.8



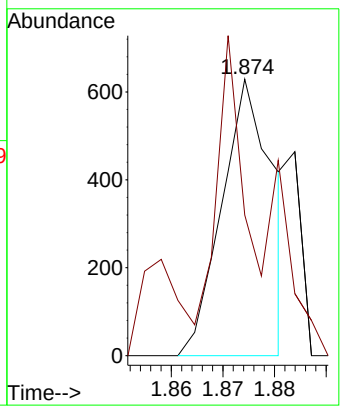


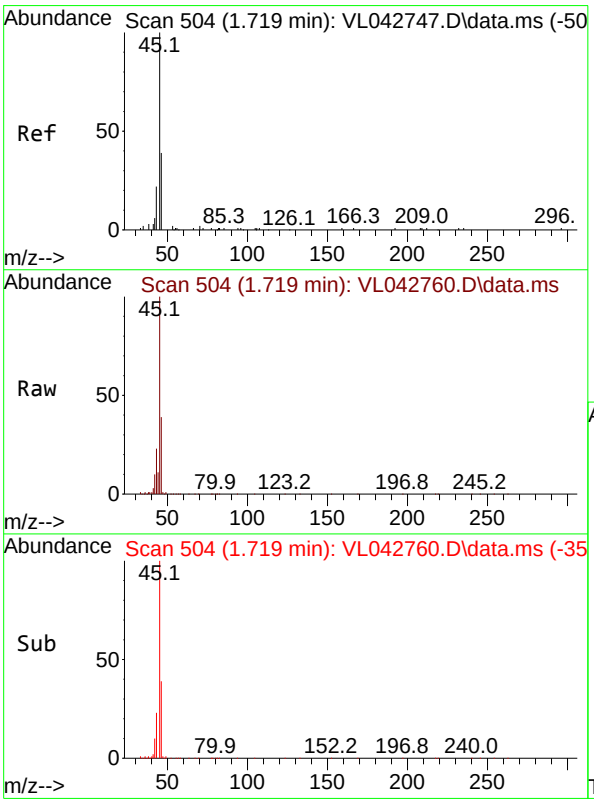
#11
Trichlorofluoromethane
Concen: 0.020 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion:101 Resp: 430

Ion	Ratio	Lower	Upper
101	100		
103	30.8	49.6	74.4#

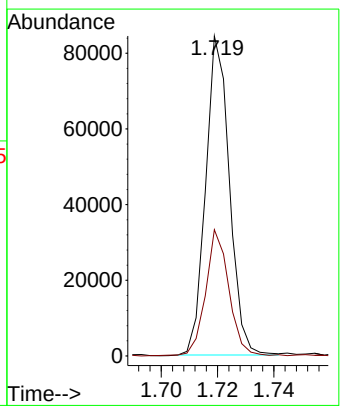


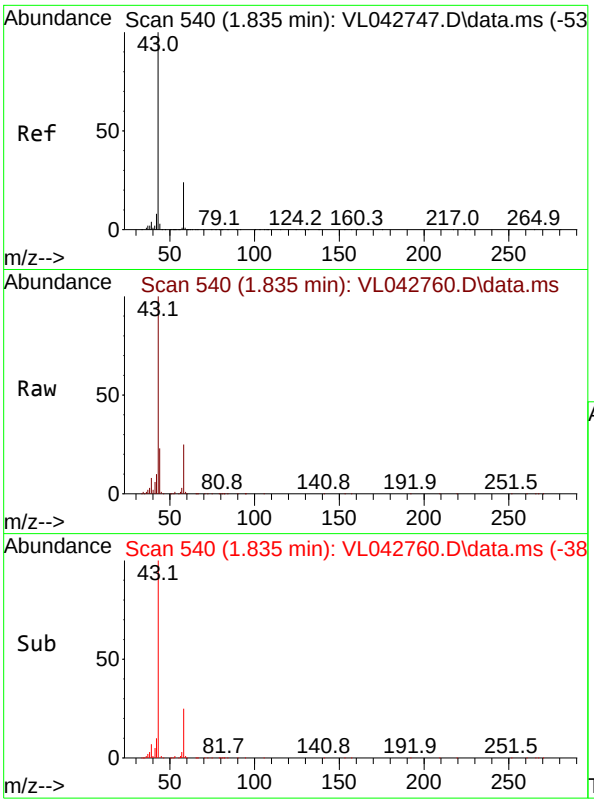


#13
Ethanol
Concen: 68.091 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 45 Resp: 49390

Ion	Ratio	Lower	Upper
45	100		
46	39.6	17.8	71.4



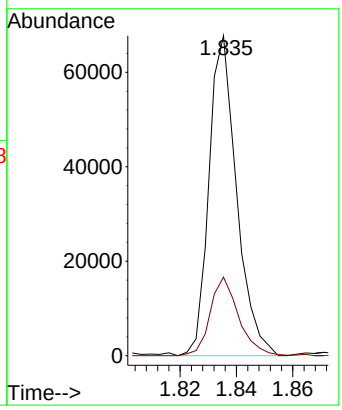


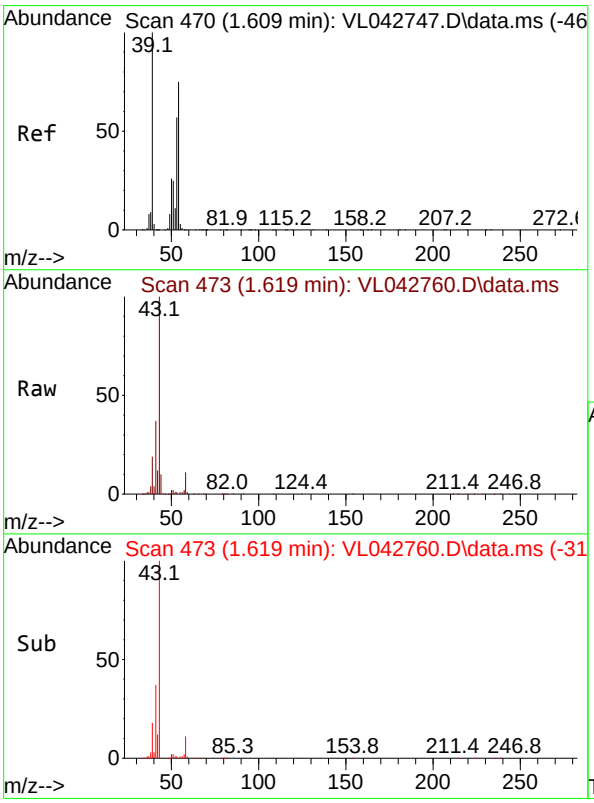
#15
Acetone
Concen: 2.135 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 43 Resp: 46128

Ion	Ratio	Lower	Upper
43	100		
58	25.4	19.8	29.8

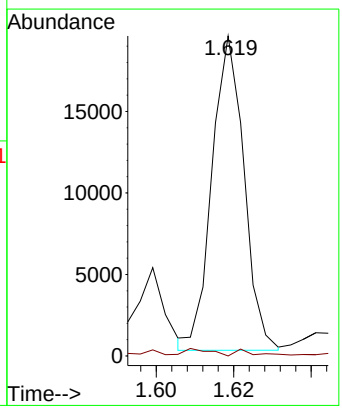


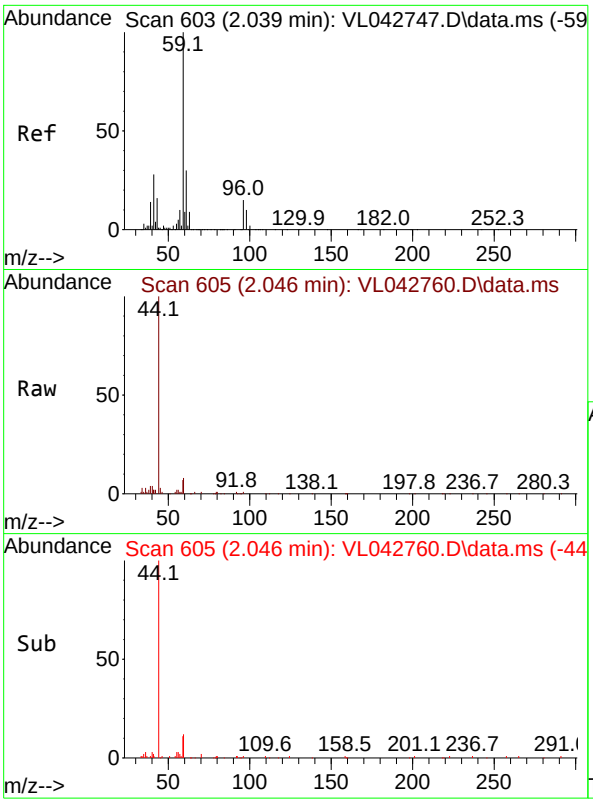


#16
1,3-Butadiene
Concen: 1.201 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.010 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 39 Resp: 11068

Ion	Ratio	Lower	Upper
39	100		
54	5.1	54.5	81.7#



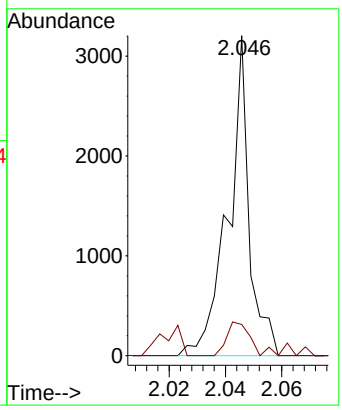


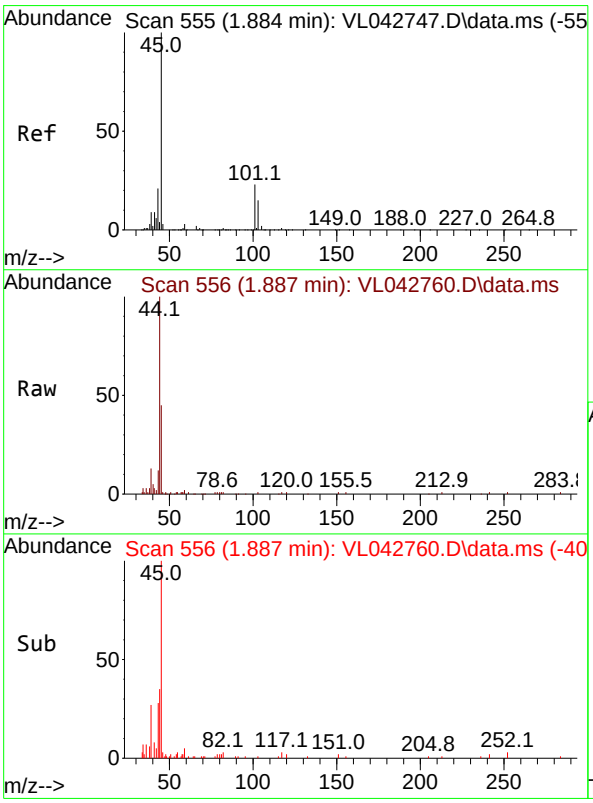
#17
tert-Butyl alcohol
Concen: 0.085 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 59 Resp: 1657

Ion	Ratio	Lower	Upper
59	100		
57	14.5	8.3	12.5#

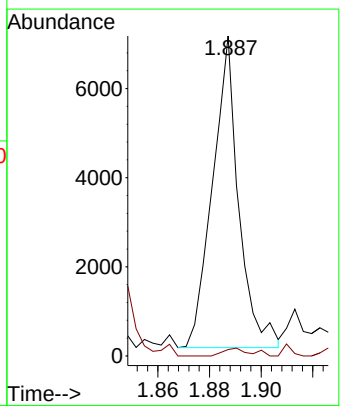


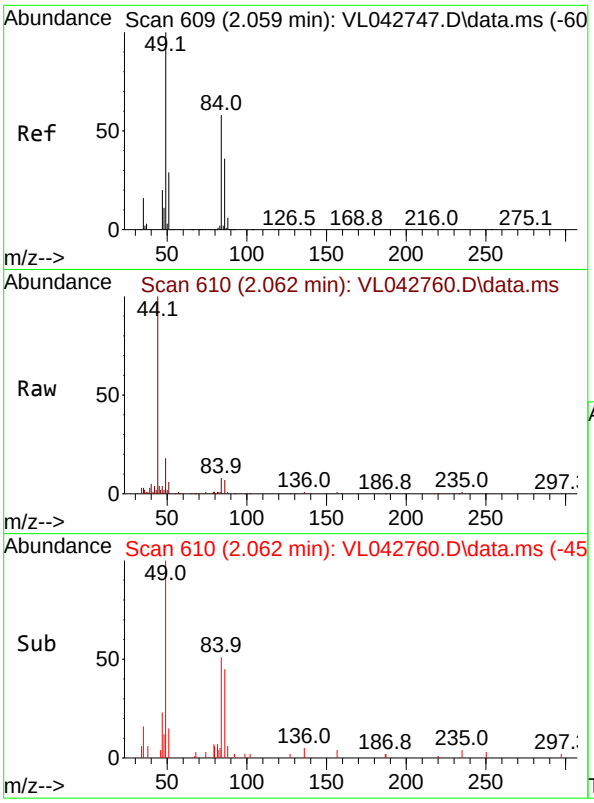


#19
Isopropyl Alcohol
Concen: 0.428 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 45 Resp: 4911

Ion	Ratio	Lower	Upper
45	100		
58	238.7	30.0	45.0#



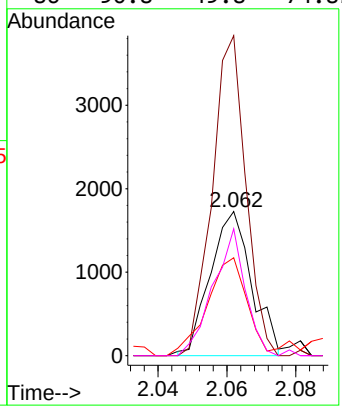


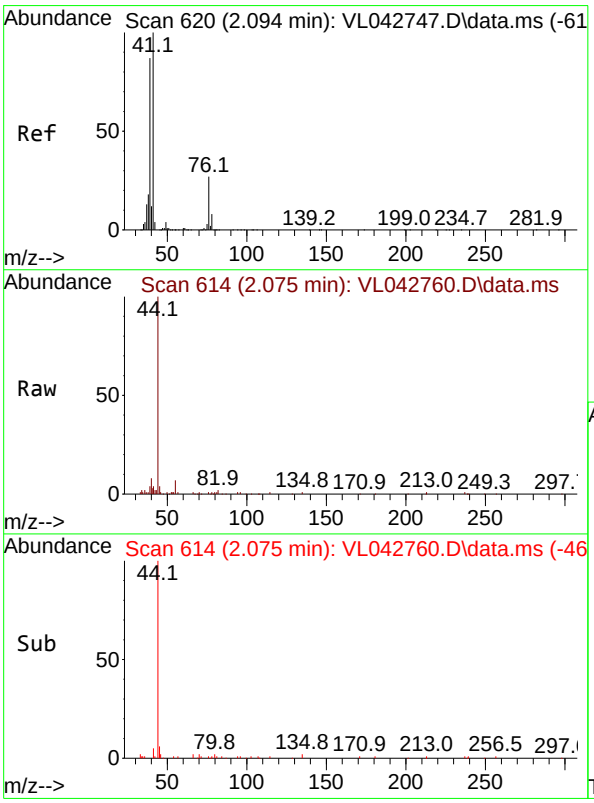
#20
Methylene Chloride
Concen: 0.211 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 84 Resp: 1440

Ion	Ratio	Lower	Upper
84	100		
49	228.8	138.6	208.0#
51	64.9	40.6	61.0#
86	90.8	49.8	74.8#

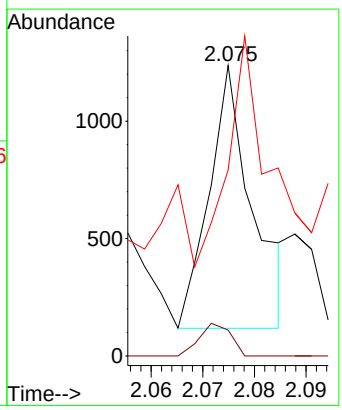


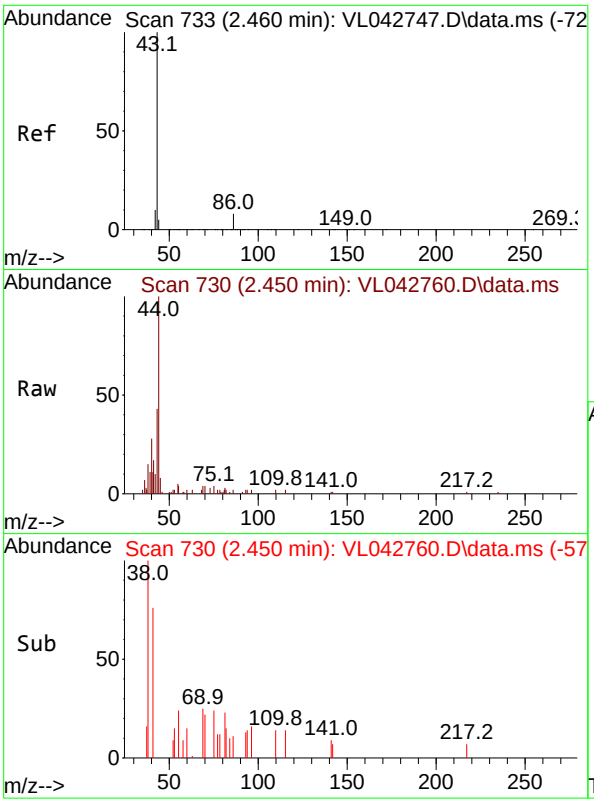


#21
Allyl Chloride
Concen: 0.049 ppbv
RT: 2.075 min Scan# 614
Delta R.T. -0.020 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 41 Resp: 649

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.1	31.7#
39	130.7	68.3	102.5#



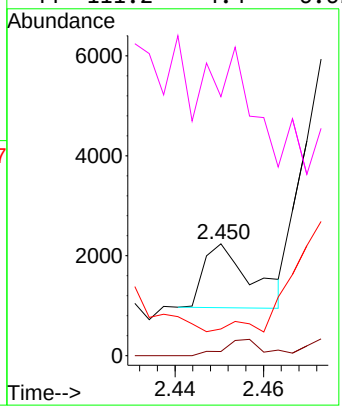


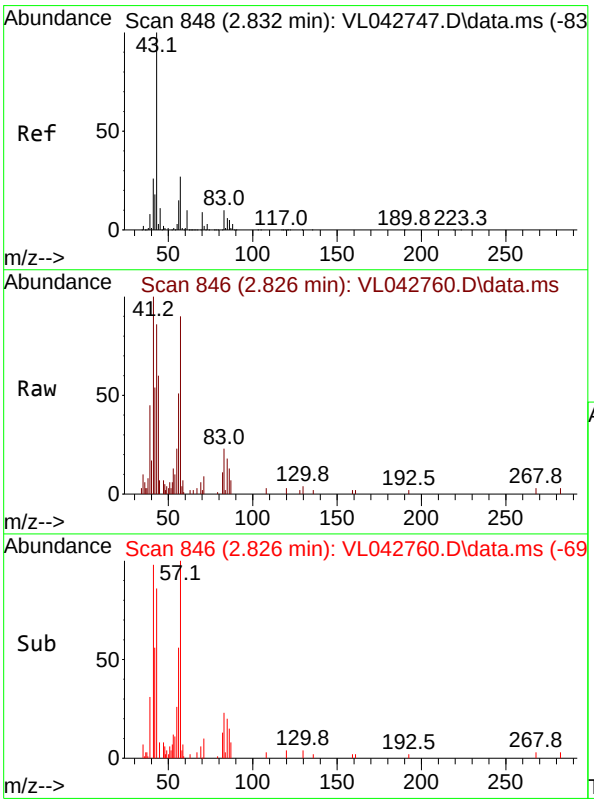
#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 2.450 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 43 Resp: 941

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.1	9.1
42	0.0	7.8	11.8#
44	111.2	4.4	6.6#

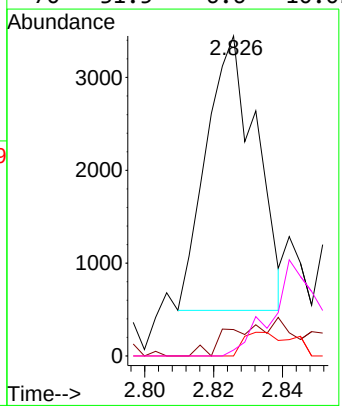


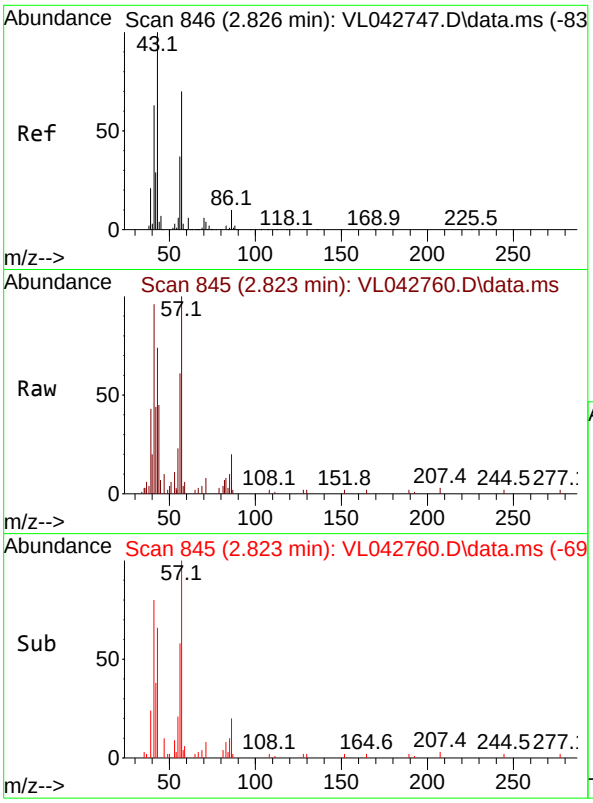


#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.007 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 43 Resp: 2972

Ion	Ratio	Lower	Upper
43	100		
45	21.5	7.8	11.6#
61	8.3	6.7	10.1
70	31.5	6.6	10.0#



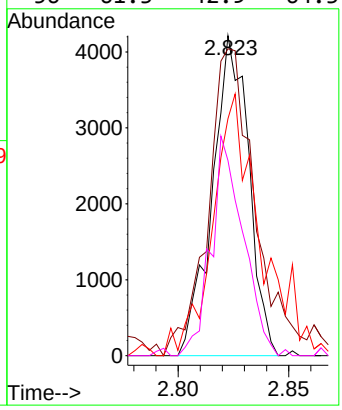


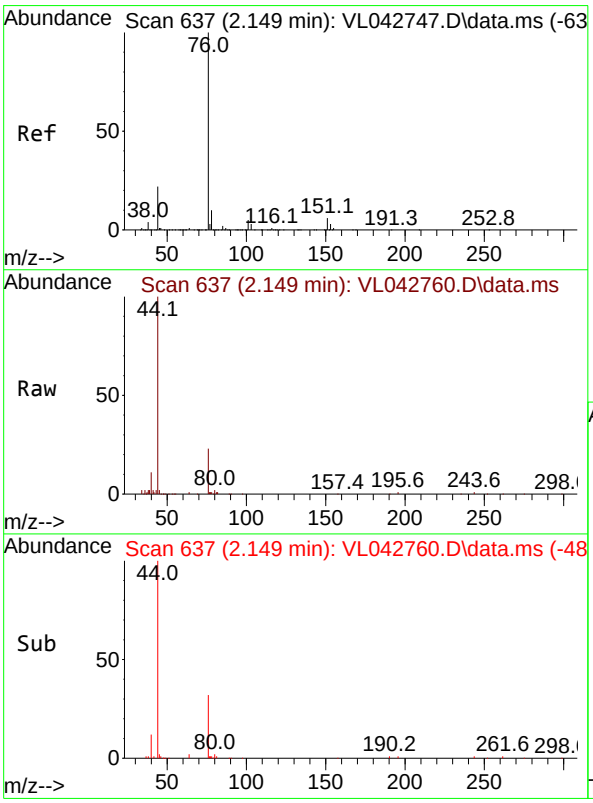
#26
Hexane
Concen: 0.230 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 57 Resp: 4829

Ion	Ratio	Lower	Upper
57	100		
41	130.1	75.4	113.2#
43	115.8	185.0	277.6#
56	61.3	42.9	64.3

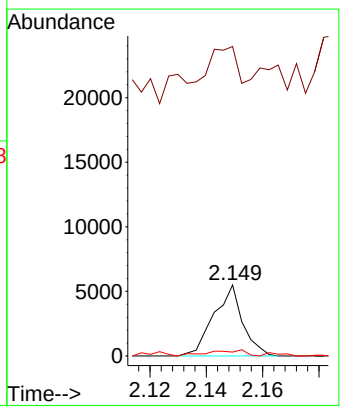


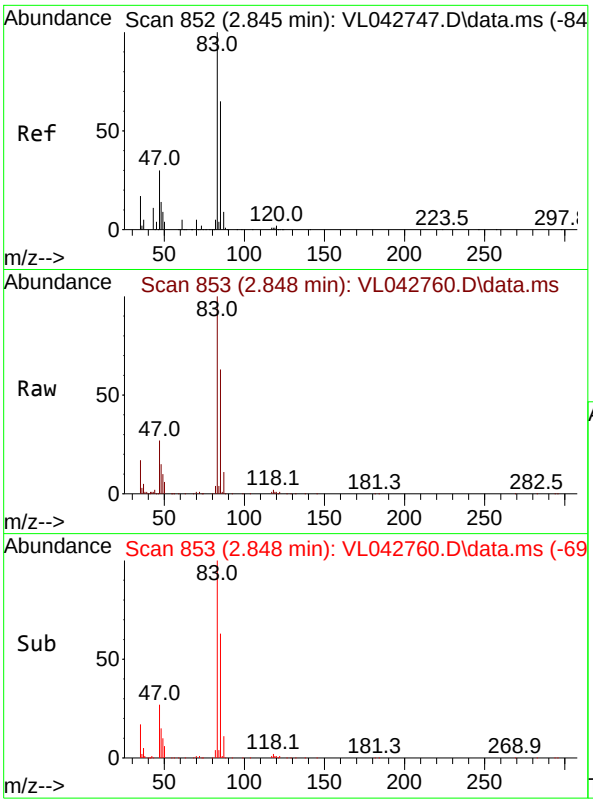


#27
Carbon Disulfide
Concen: 0.218 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 76 Resp: 3917

Ion	Ratio	Lower	Upper
76	100		
44	831.1	19.3	28.9#
78	22.0	9.9	14.9#



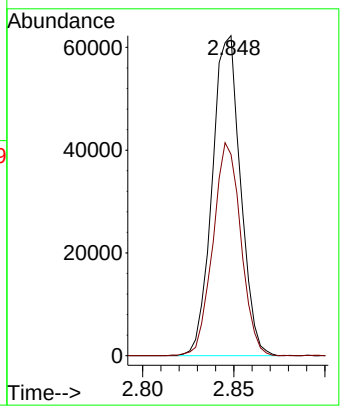


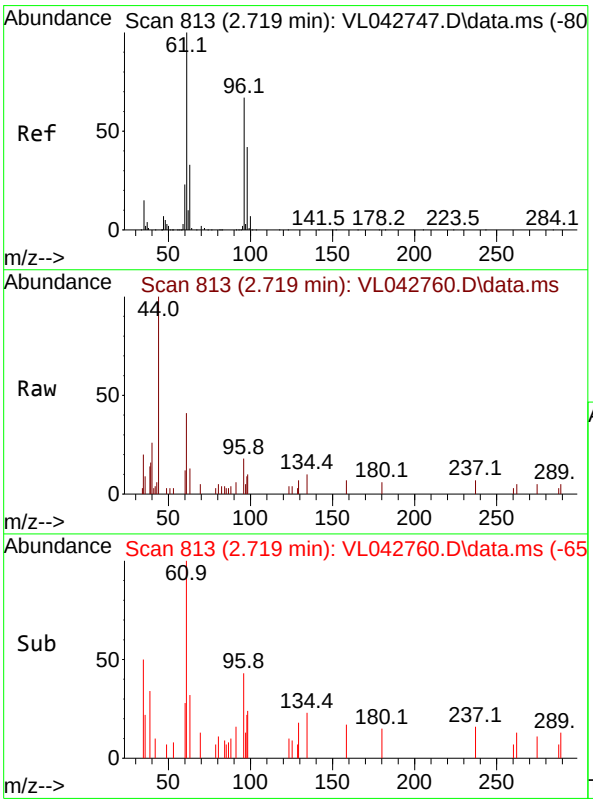
#29
Chloroform
Concen: 2.074 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 83 Resp: 67233

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2

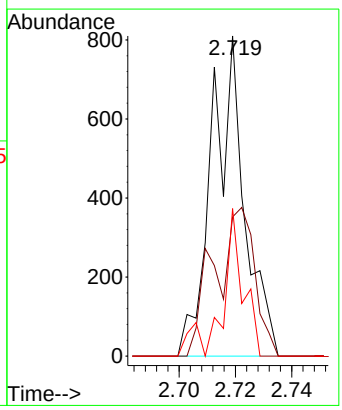


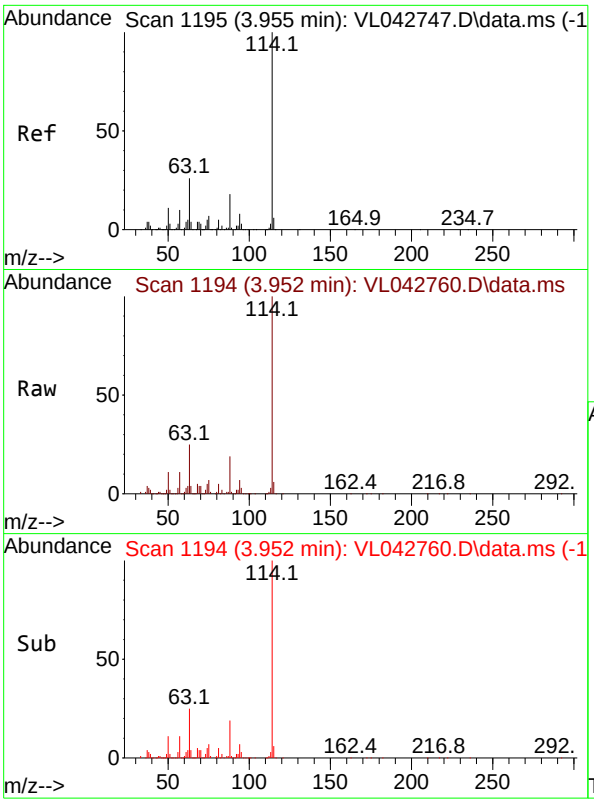


#31
cis-1,2-Dichloroethene
Concen: 0.030 ppbv
RT: 2.719 min Scan# 813
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 61 Resp: 654

Ion	Ratio	Lower	Upper
61	100		
96	43.5	53.5	80.3#
98	46.0	33.6	50.4



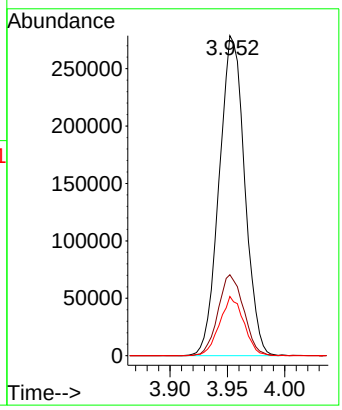


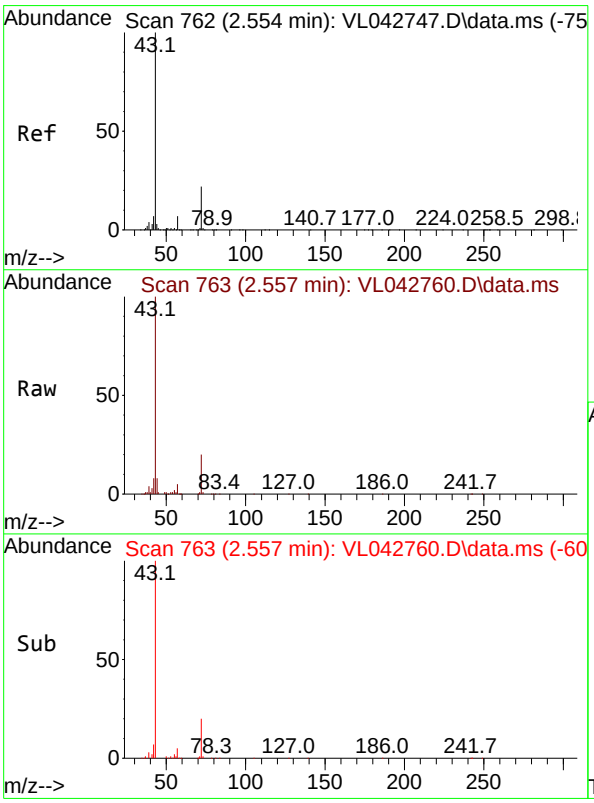
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion:114 Resp: 430230

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.5	30.7
88	17.6	14.0	21.0

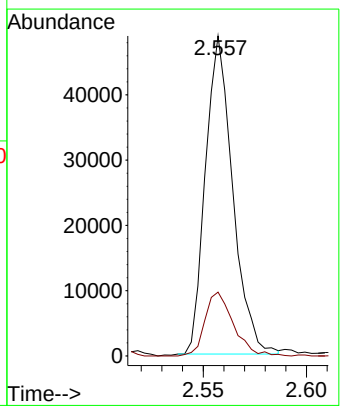


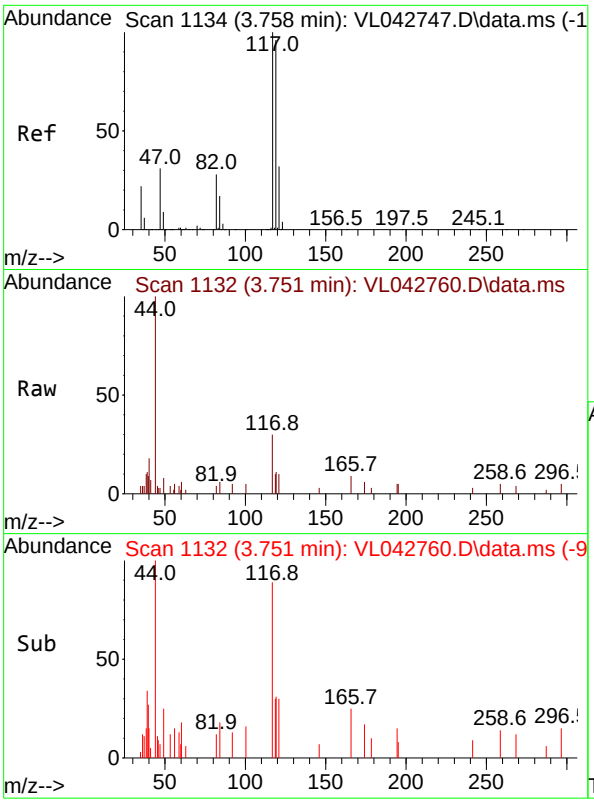


#34
2-Butanone
Concen: 1.467 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 43 Resp: 44716

Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.4	26.0



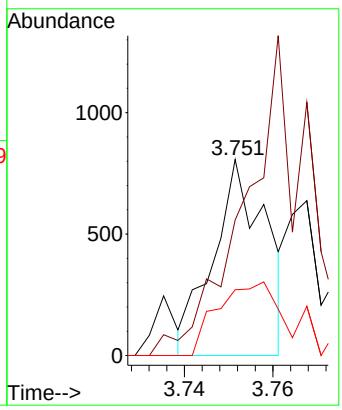


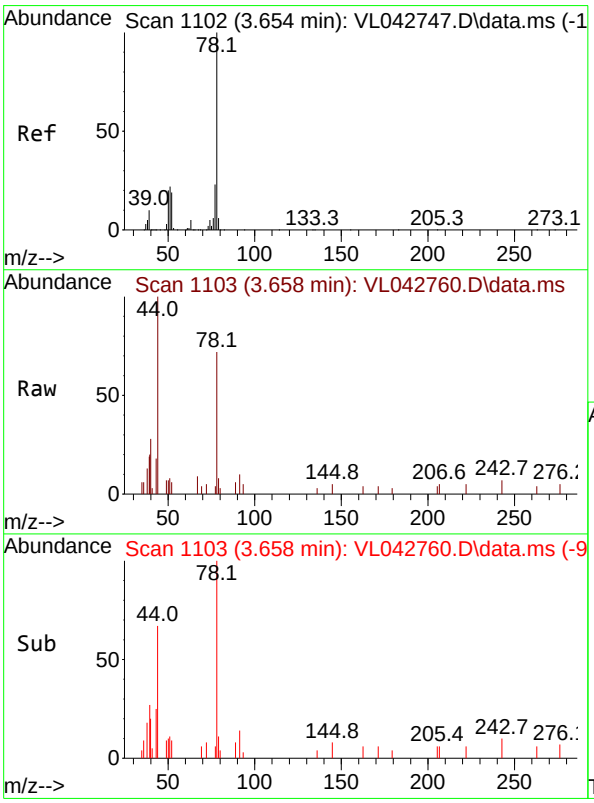
#35
Carbon Tetrachloride
Concen: 0.021 ppbv
RT: 3.751 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion:117 Resp: 666

Ion	Ratio	Lower	Upper
117	100		
119	70.7	77.1	115.7#
121	38.6	25.5	38.3#

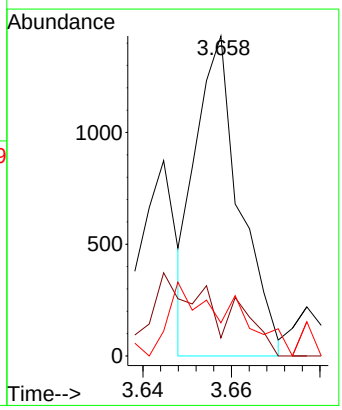


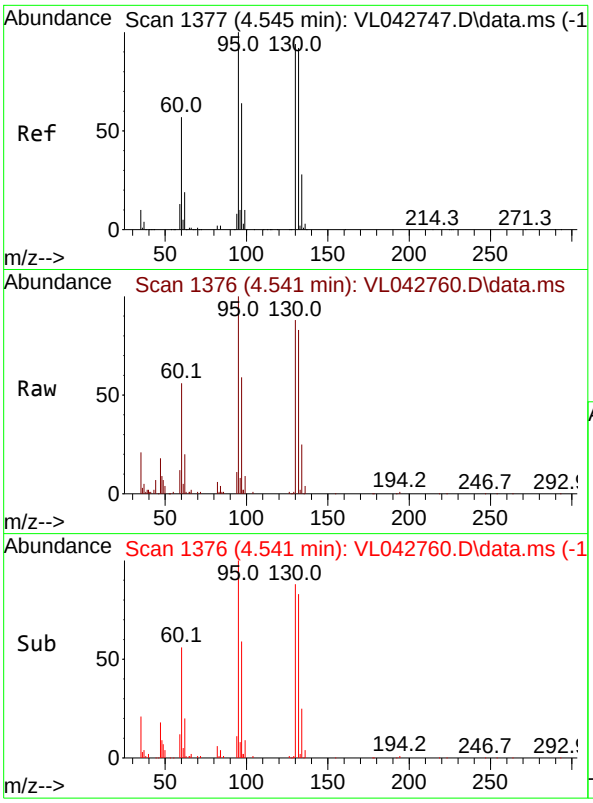


#36
Benzene
Concen: 0.024 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 78 Resp: 993

Ion	Ratio	Lower	Upper
78	100		
77	6.0	18.5	27.7#
50	1.9	16.2	24.2#



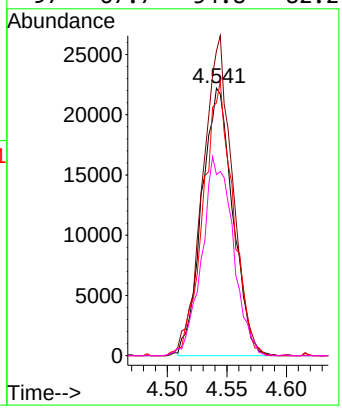


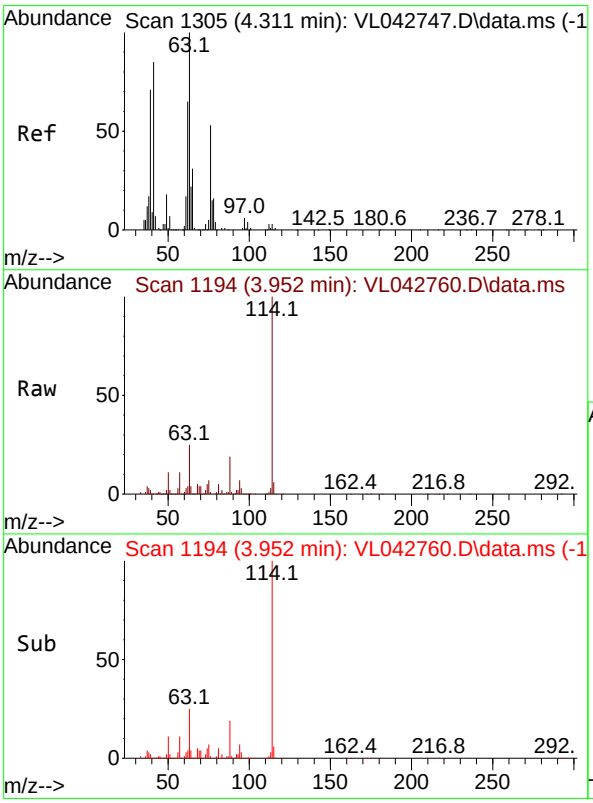
#38
Trichloroethene
Concen: 2.050 ppbv
RT: 4.541 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion:130 Resp: 40151

Ion	Ratio	Lower	Upper
130	100		
95	113.9	85.4	128.2
132	94.6	78.2	117.2
97	67.7	54.8	82.2

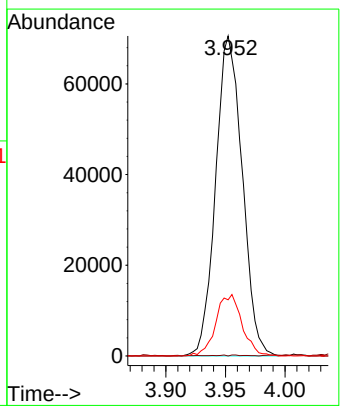


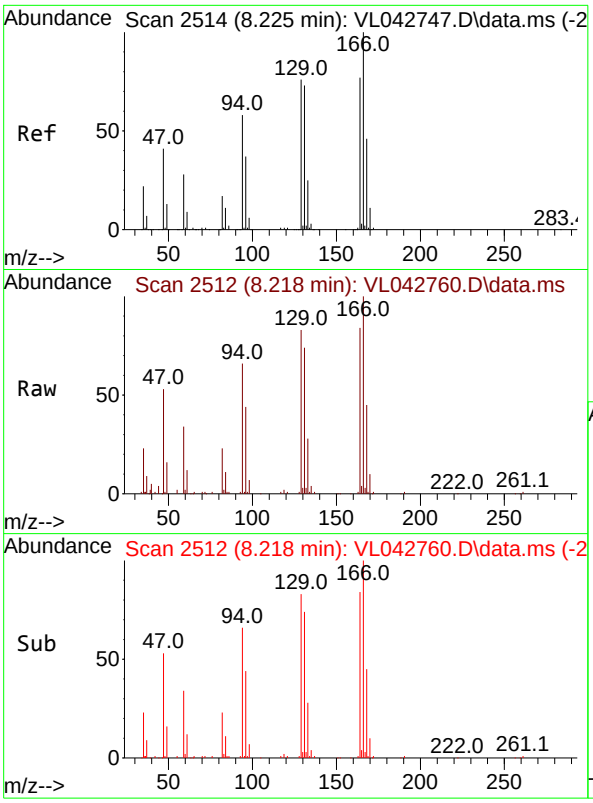


#39
1,2-Dichloropropane
Concen: 7.270 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.359 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion: 63 Resp: 109416

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	17.5	52.0	78.0#



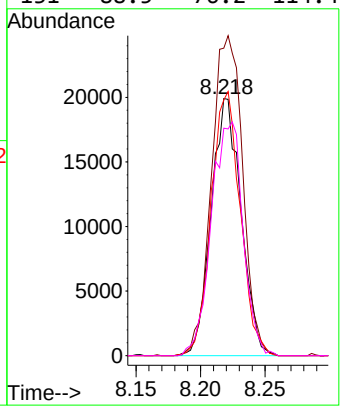


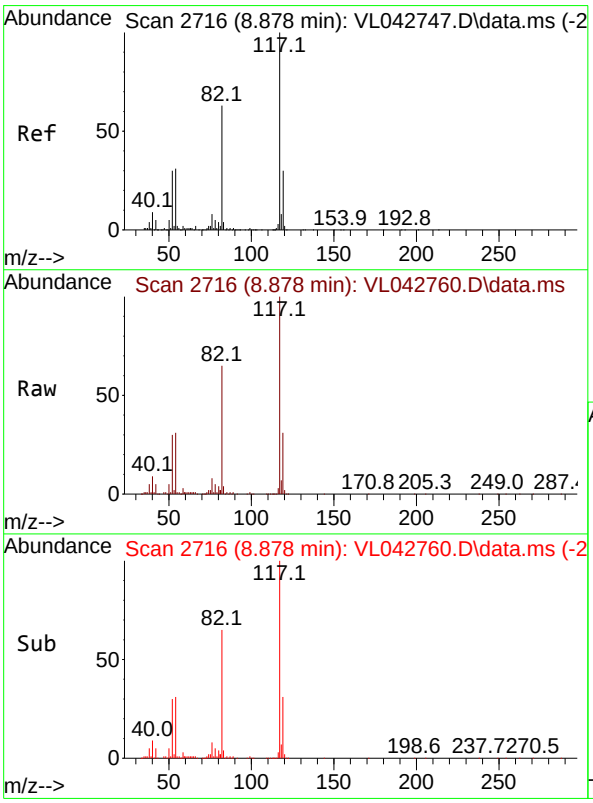
#52
Tetrachloroethene
Concen: 1.891 ppbv
RT: 8.218 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion:164 Resp: 31954

Ion	Ratio	Lower	Upper
164	100		
166	119.6	104.0	156.0
129	99.4	79.2	118.8
131	88.5	76.2	114.4

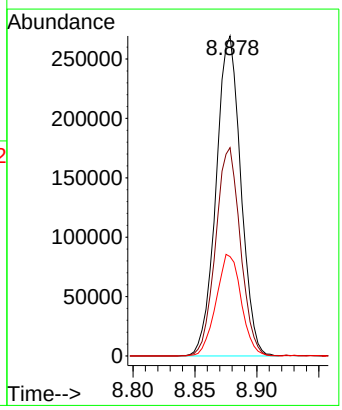


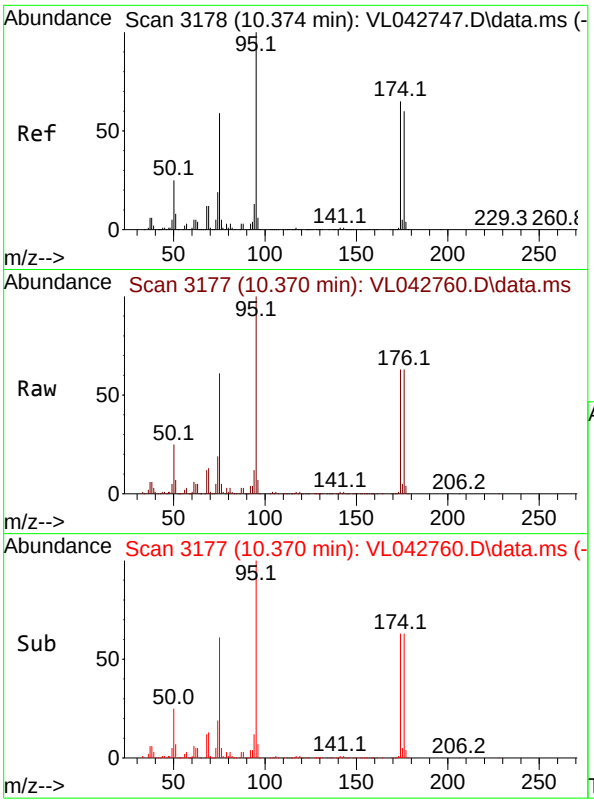


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:117 Resp: 375286

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.3	79.9
119	32.4	25.8	38.6



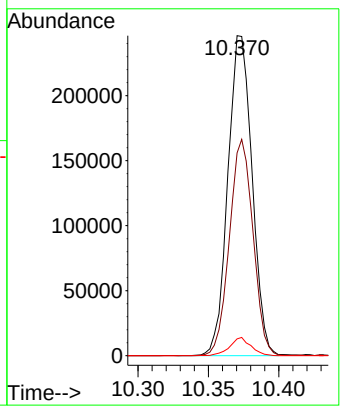


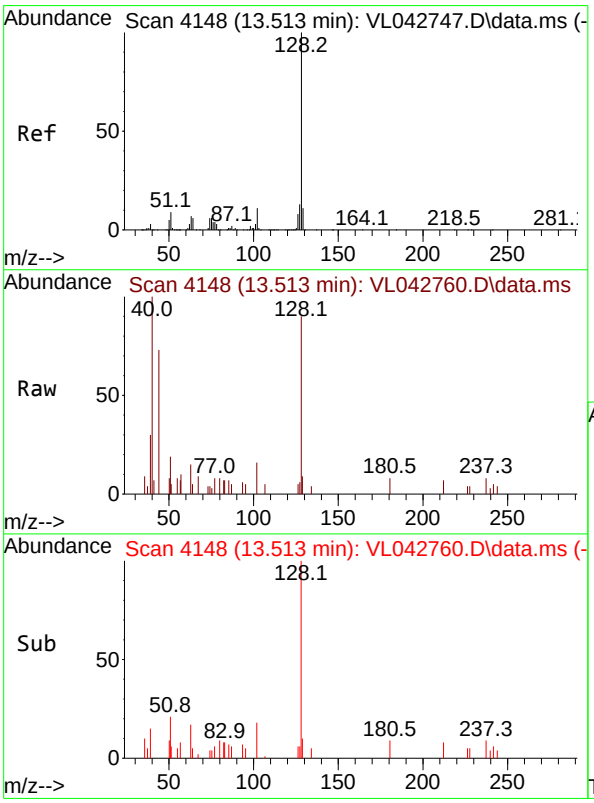
#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.370 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion: 95 Resp: 293938

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	5.0	4.0	6.0

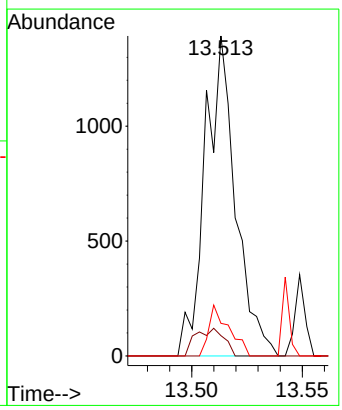


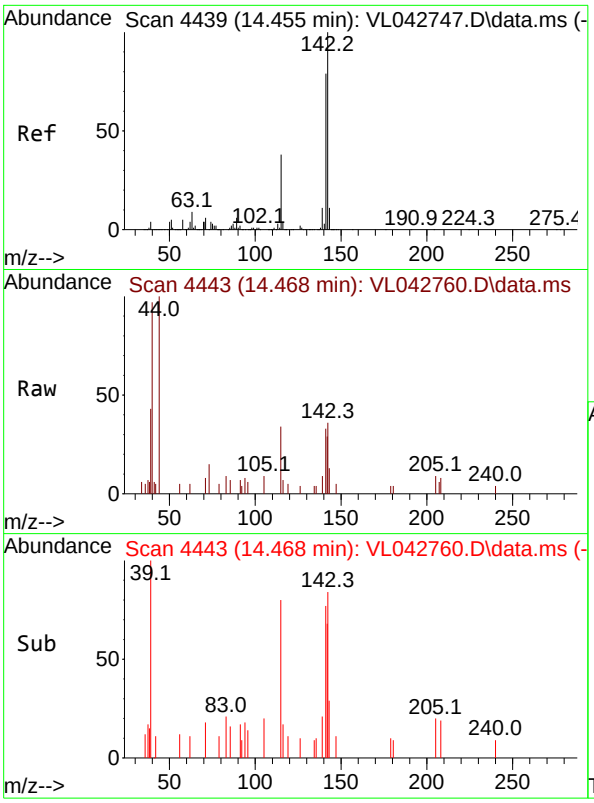


#79
Naphthalene
Concen: 0.458 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:128 Resp: 1334

Ion	Ratio	Lower	Upper
128	100		
127	5.7	10.5	15.7#
129	9.3	8.6	13.0



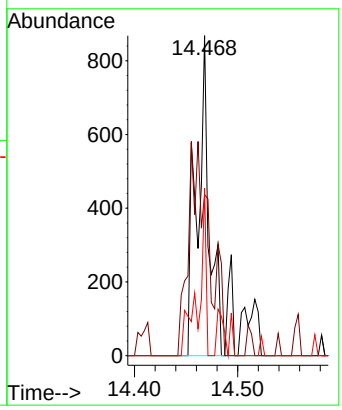


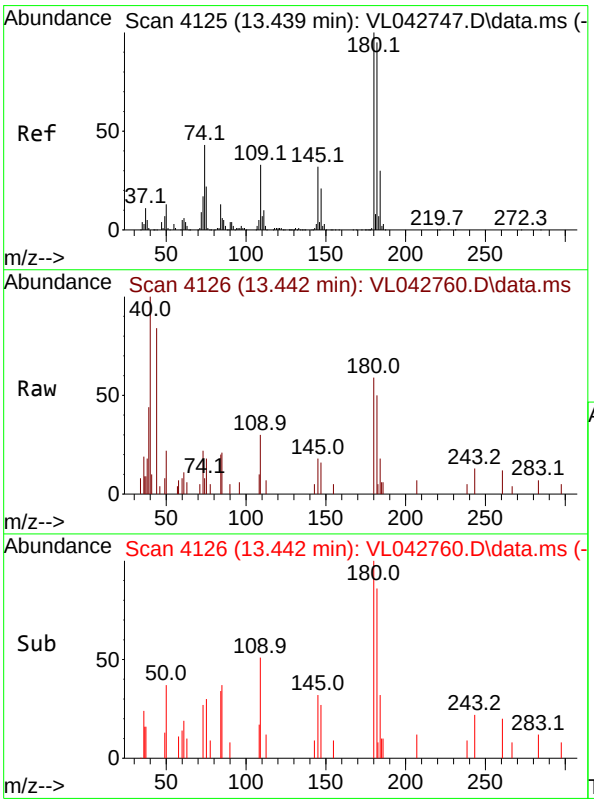
#80
Naphthalene,2-methyl-
Concen: 1.159 ppbv
RT: 14.468 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Instrument :
MSVOA_L
ClientSampleId :
118-SG2DL

Tgt Ion:142 Resp: 944

Ion	Ratio	Lower	Upper
142	100		
141	85.6	65.8	98.8
115	24.2	31.2	46.8#

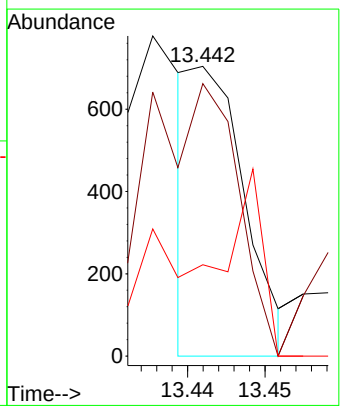




#81
1,2,4-Trichlorobenzene
Concen: 0.445 ppbv
RT: 13.442 min Scan# 4126
Delta R.T. 0.003 min
Lab File: VL042760.D
Acq: 24 Jul 2025 11:39

Tgt Ion:180 Resp: 333

Ion	Ratio	Lower	Upper
180	100		
182	219.5	76.2	114.2#
184	87.7	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042761.D
Acq On : 24 Jul 2025 12:14
Operator : SY/MD
Sample : Q2671-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Quant Time: Jul 25 01:25:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

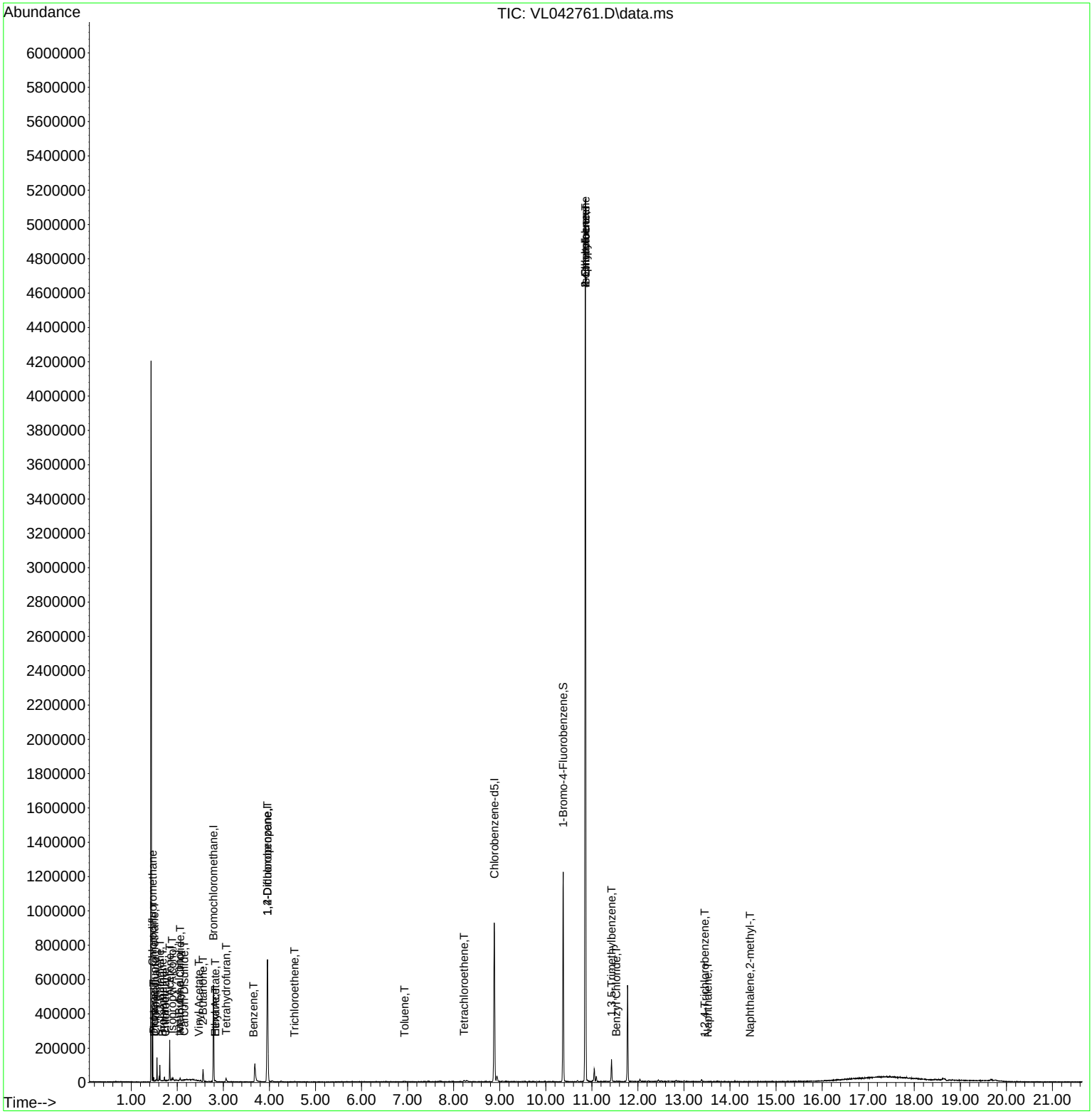
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	149830	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	418114	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	370590	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	291433	9.930	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	942	0.048	ppbv	92
3) Chlorodifluoromethane	1.467	51	84874	3.289	ppbv #	58
4) Chloromethane	1.531	50	2085	0.260	ppbv #	86
6) Bromomethane	1.684	94	67	0.022	ppbv #	1
7) Chloroethane	1.742	64	174	0.057	ppbv #	45
9) Propene	1.486	41	2822	0.301	ppbv	95
13) Ethanol	1.722	45	7958	10.501	ppbv #	31
15) Acetone	1.836	43	97426	4.709	ppbv	99
16) 1,3-Butadiene	1.622	39	4083	0.463	ppbv #	32
17) tert-Butyl alcohol	2.043	59	1202	0.064	ppbv #	81
19) Isopropyl Alcohol	1.888	45	5650	0.514	ppbv #	1
20) Methylene Chloride	2.062	84	1513	0.232	ppbv #	79
23) Vinyl Acetate	2.470	43	573	0.023	ppbv #	55
25) Ethyl Acetate	2.826	43	1548	0.034	ppbv #	75
26) Hexane	2.823	57	1383	0.069	ppbv #	53
27) Carbon Disulfide	2.150	76	430	0.025	ppbv #	1
34) 2-Butanone	2.557	43	42357	1.430	ppbv	96
36) Benzene	3.655	78	1001	0.025	ppbv #	80
38) Trichloroethene	4.545	130	403	0.021	ppbv #	31
39) 1,2-Dichloropropane	3.959	63	108490	7.417	ppbv #	21
41) Tetrahydrofuran	3.062	42	4116	0.273	ppbv #	56
52) Tetrachloroethene	8.225	164	806	0.049	ppbv #	45
53) Toluene	6.933	91	1418	0.033	ppbv	93
62) Isopropylbenzene	10.859	105	153486	2.226	ppbv #	62
66) Benzyl Chloride	11.533	91	110	0.022	ppbv #	60
71) 2-Chlorotoluene	10.859	91	659058	12.468	ppbv #	45
72) 4-Ethyltoluene	10.859	105	153486	2.750	ppbv #	1
73) 1,3,5-Trimethylbenzene	11.429	105	1729	0.038	ppbv #	44
79) Naphthalene	13.517	128	244	0.439	ppbv #	75
80) Naphthalene,2-methyl-	14.433	142	80	1.131	ppbv #	76
81) 1,2,4-Trichlorobenzene	13.449	180	67	0.437	ppbv #	1

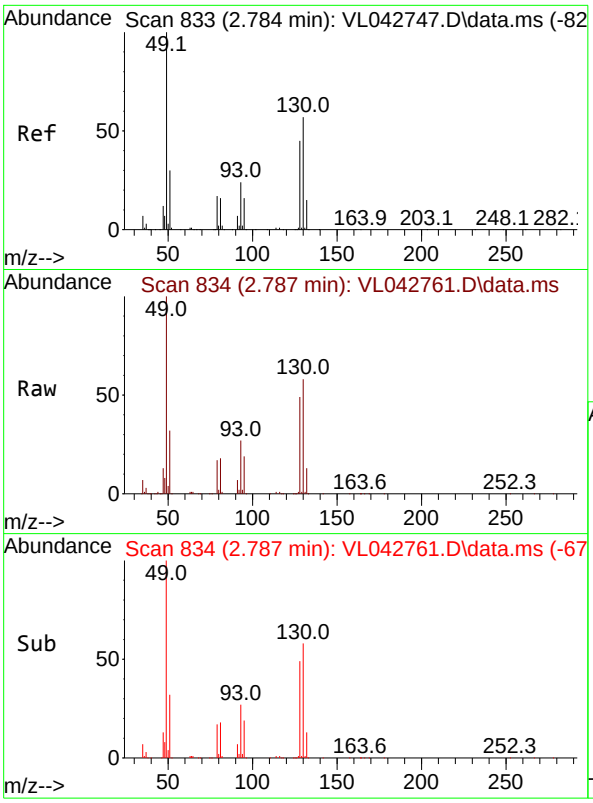
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042761.D
Acq On : 24 Jul 2025 12:14
Operator : SY/MD
Sample : Q2671-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Quant Time: Jul 25 01:25:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



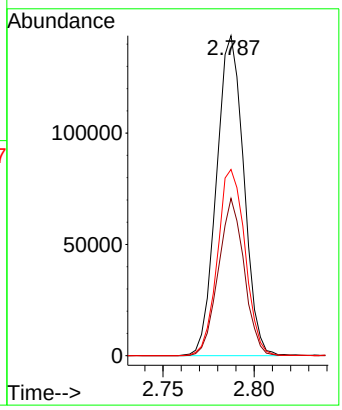


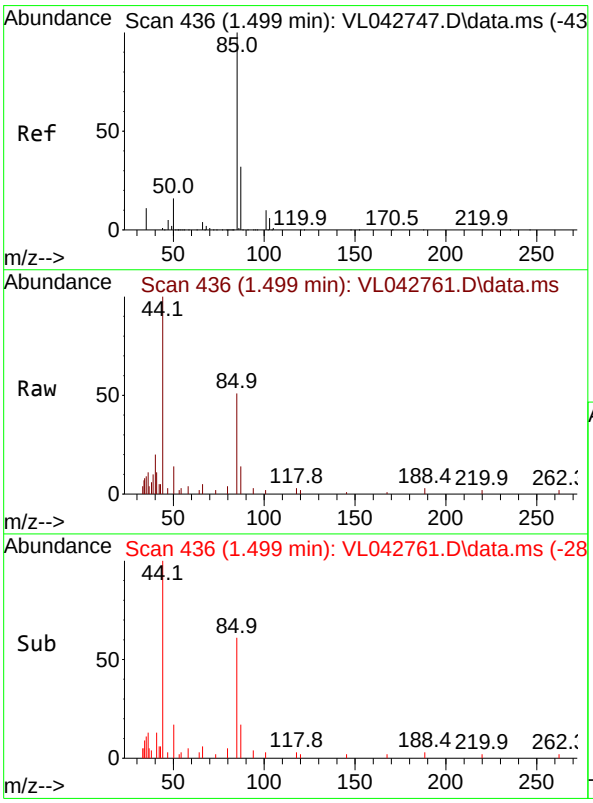
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 49 Resp: 149830

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	58.9	30.3	90.8

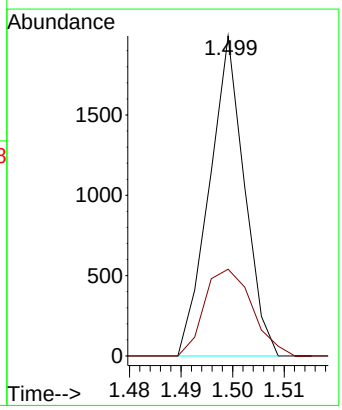


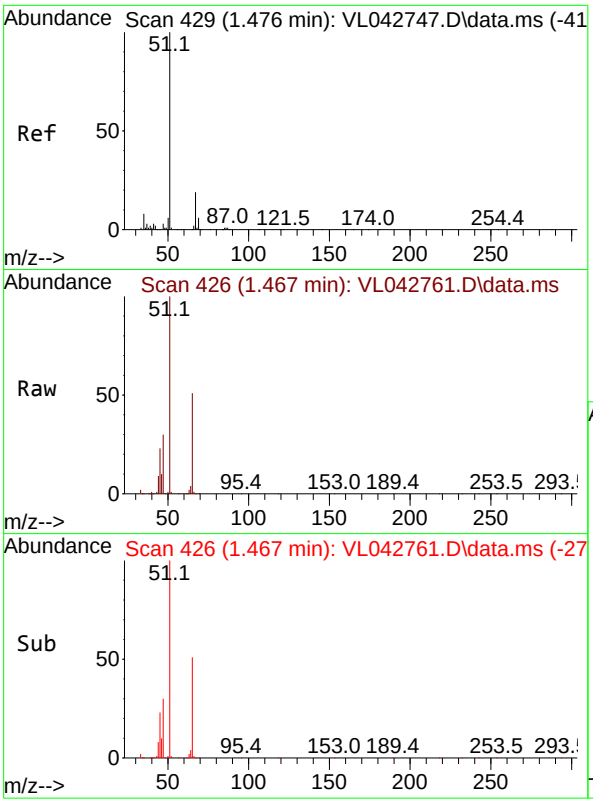


#2
Dichlorodifluoromethane
Concen: 0.048 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 85 Resp: 942

Ion	Ratio	Lower	Upper
85	100		
87	27.1	25.4	38.2



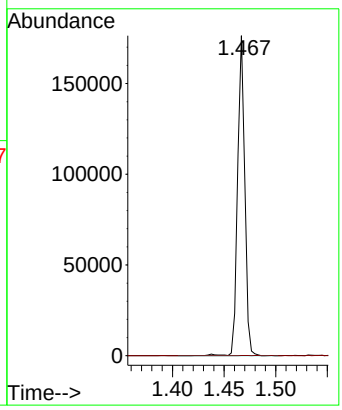


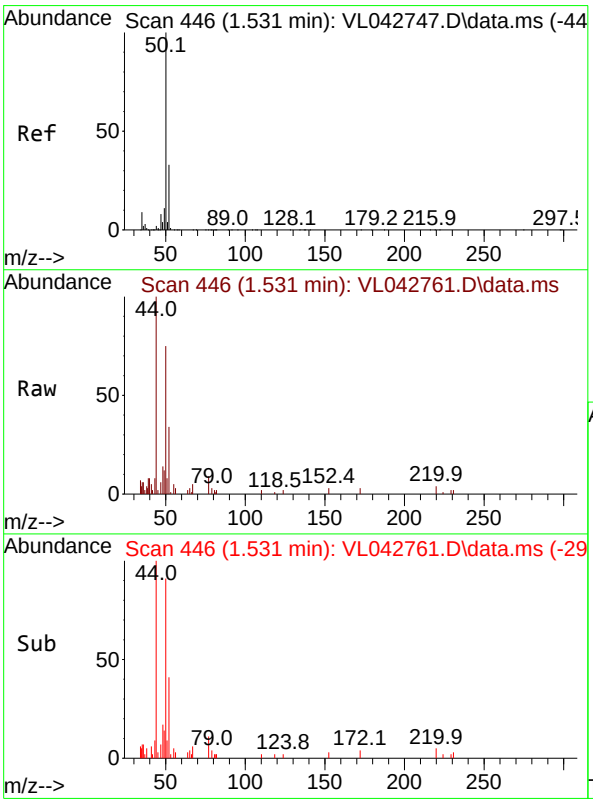
#3
Chlorodifluoromethane
Concen: 3.289 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.009 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 51 Resp: 84874

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.0	22.6#

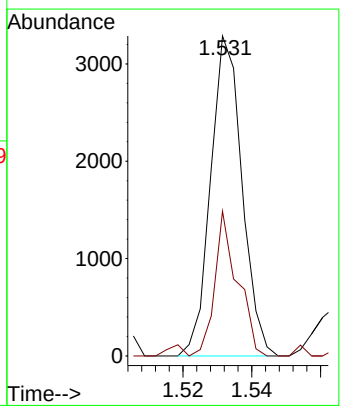


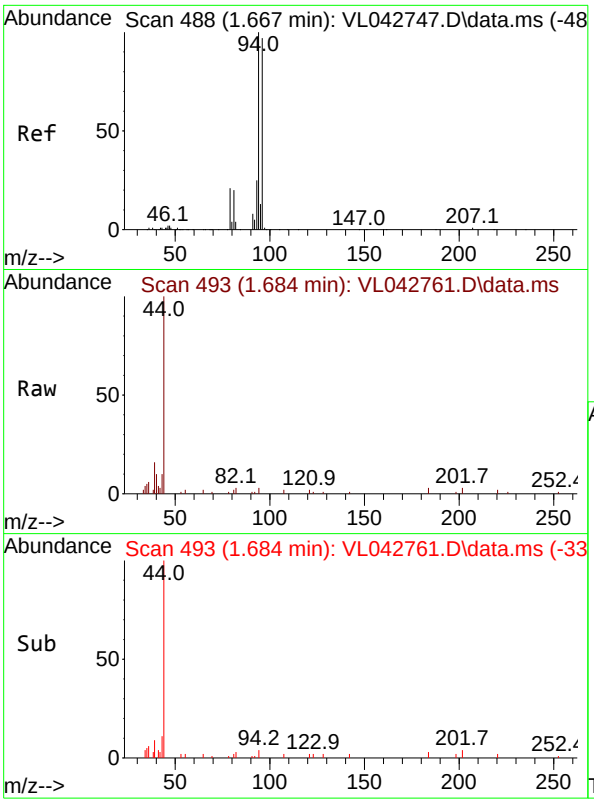


#4
Chloromethane
Concen: 0.260 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 50 Resp: 2085

Ion	Ratio	Lower	Upper
50	100		
52	41.0	26.6	40.0#



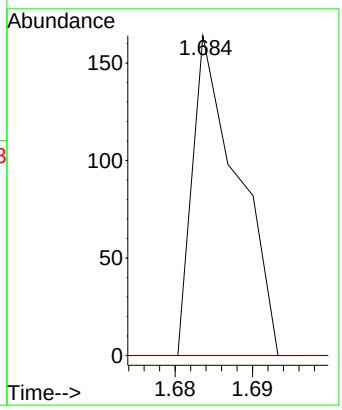


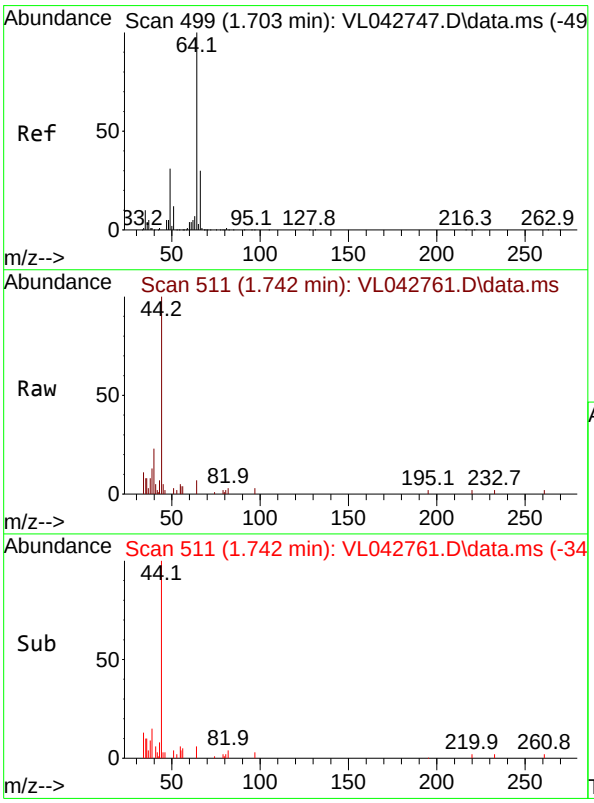
#6
Bromomethane
Concen: 0.022 ppbv
RT: 1.684 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 94 Resp: 67

Ion	Ratio	Lower	Upper
94	100		
96	0.0	77.6	116.4#

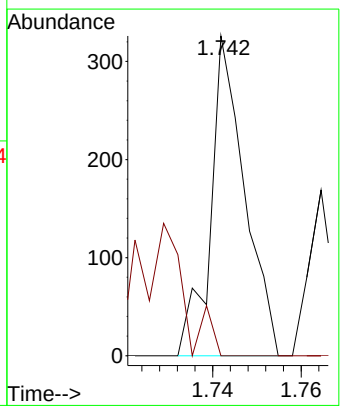


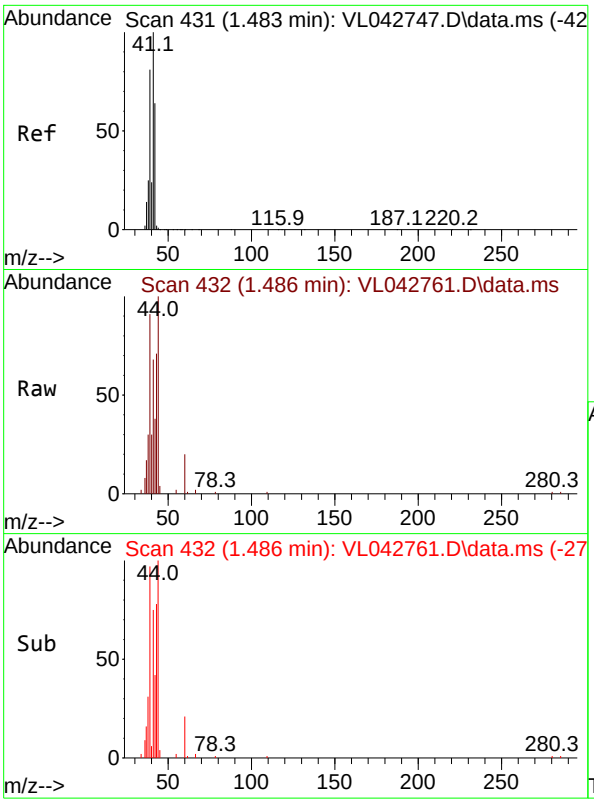


#7
Chloroethane
Concen: 0.057 ppbv
RT: 1.742 min Scan# 511
Delta R.T. 0.039 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 64 Resp: 174

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.1	36.1#



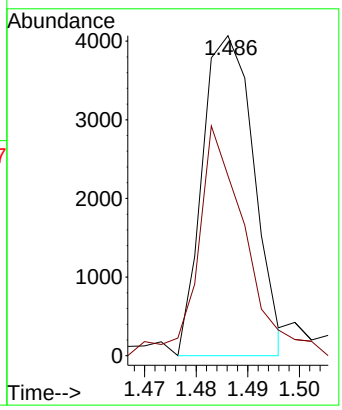


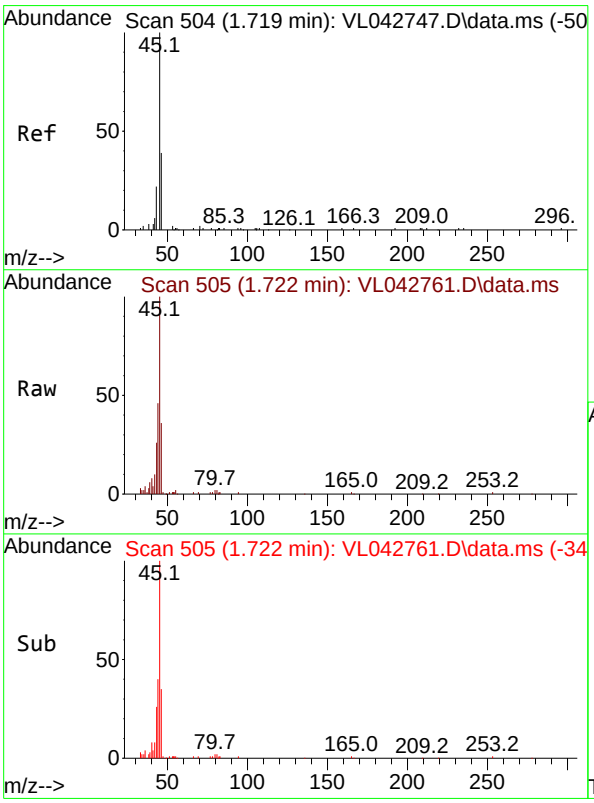
#9
Propene
Concen: 0.301 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 41 Resp: 2822

Ion	Ratio	Lower	Upper
41	100		
42	70.6	53.2	79.8

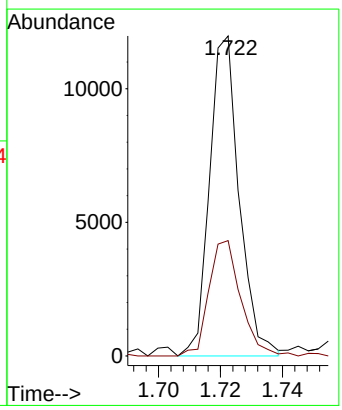


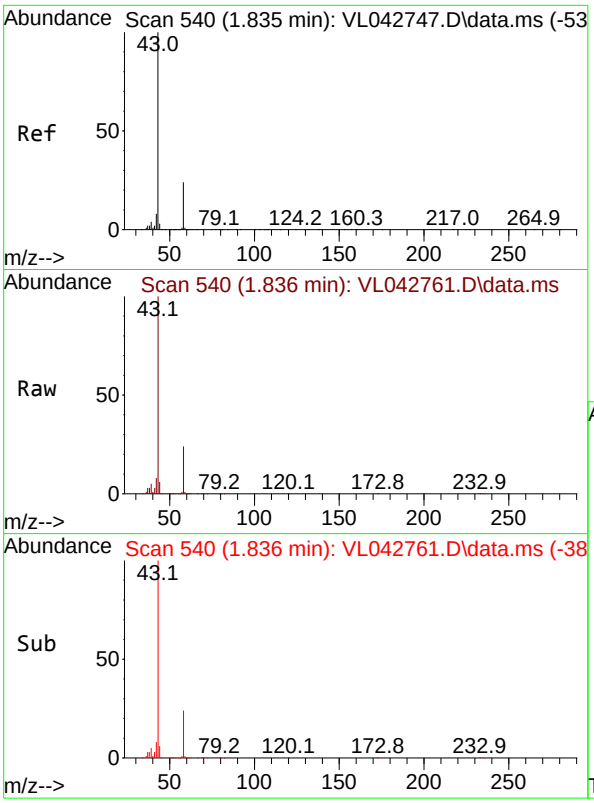


#13
Ethanol
Concen: 10.501 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 45 Resp: 7958

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#



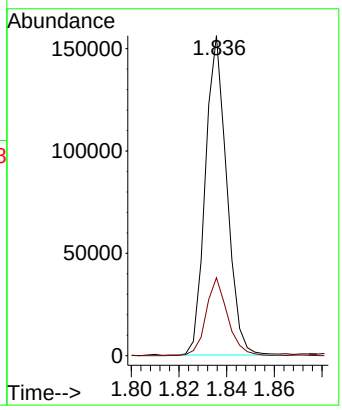


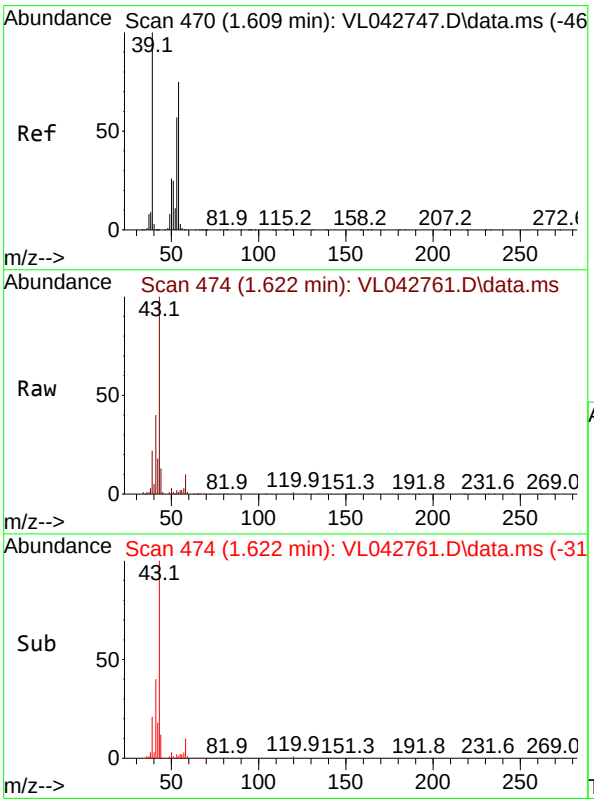
#15
Acetone
Concen: 4.709 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 43 Resp: 97426

Ion	Ratio	Lower	Upper
43	100		
58	25.2	19.8	29.8

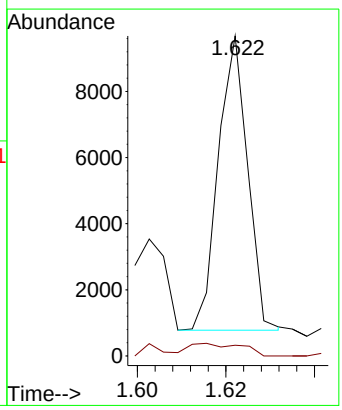


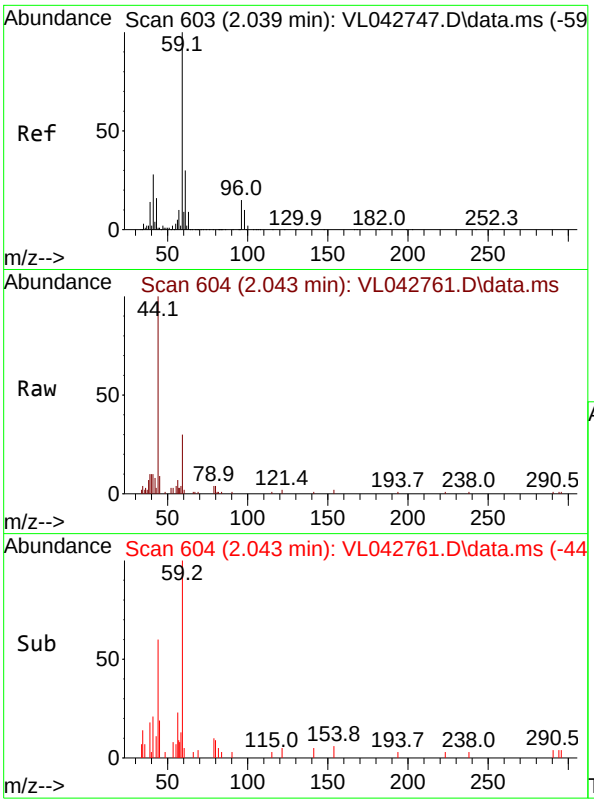


#16
1,3-Butadiene
Concen: 0.463 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.013 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 39 Resp: 4083

Ion	Ratio	Lower	Upper
39	100		
54	13.0	54.5	81.7#



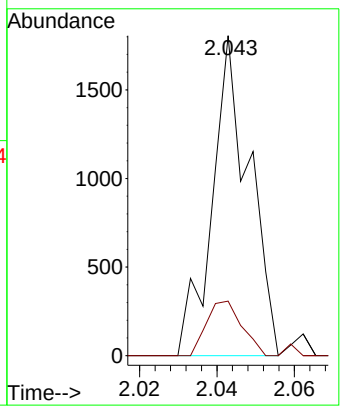


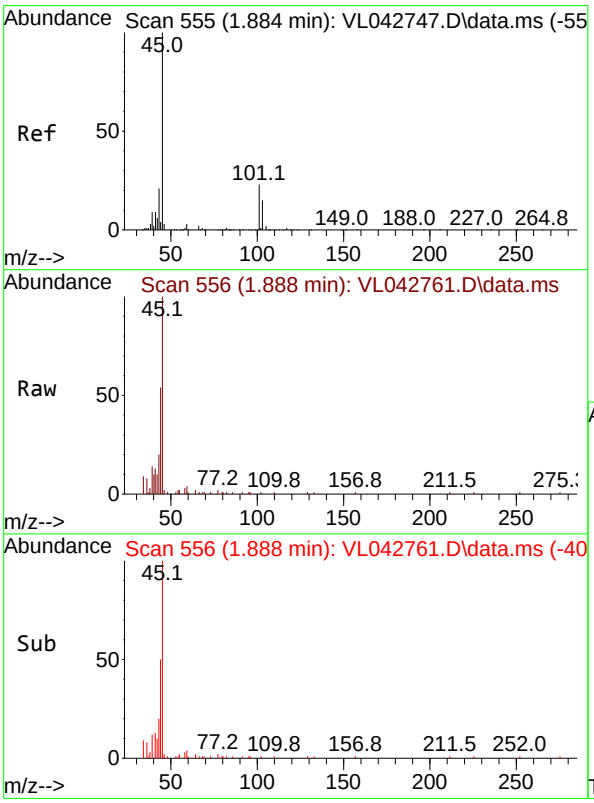
#17
tert-Butyl alcohol
Concen: 0.064 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 59 Resp: 1202

Ion	Ratio	Lower	Upper
59	100		
57	17.4	8.3	12.5#

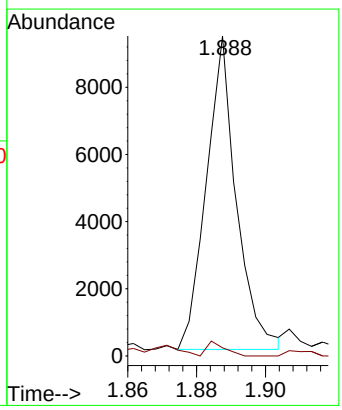


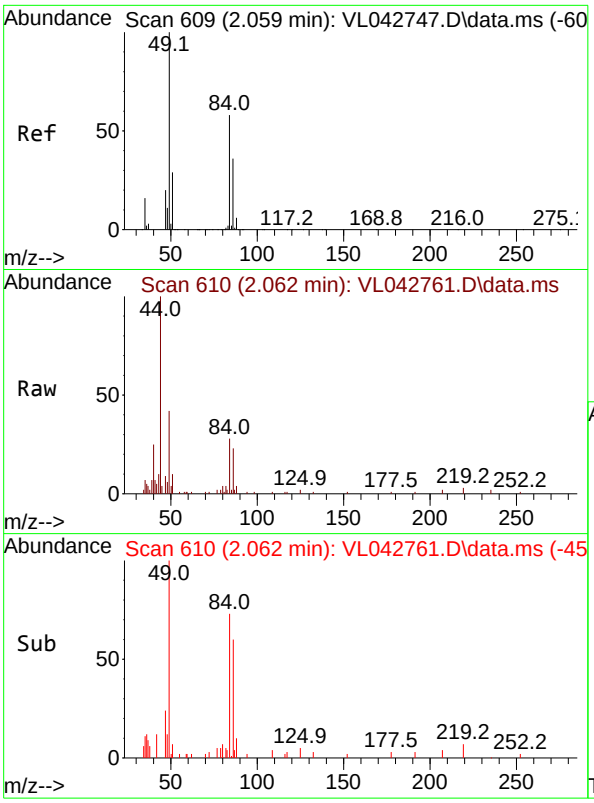


#19
Isopropyl Alcohol
Concen: 0.514 ppbv
RT: 1.888 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 45 Resp: 5650

Ion	Ratio	Lower	Upper
45	100		
58	434.5	30.0	45.0#



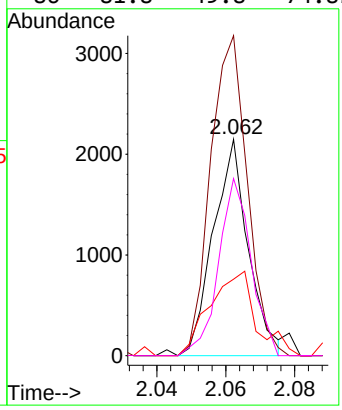


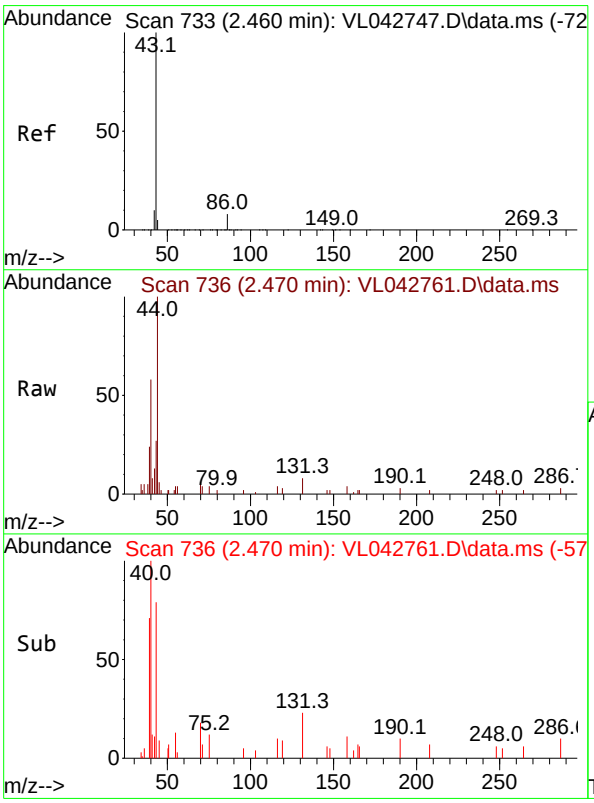
#20
Methylene Chloride
Concen: 0.232 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 84 Resp: 1513

Ion	Ratio	Lower	Upper
84	100		
49	147.9	138.6	208.0
51	35.4	40.6	61.0#
86	81.8	49.8	74.8#

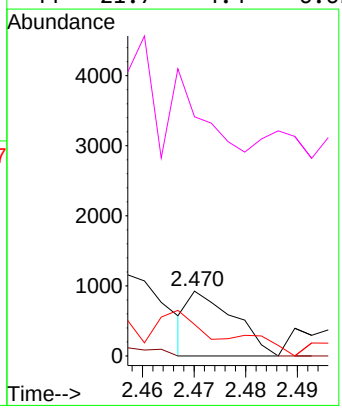


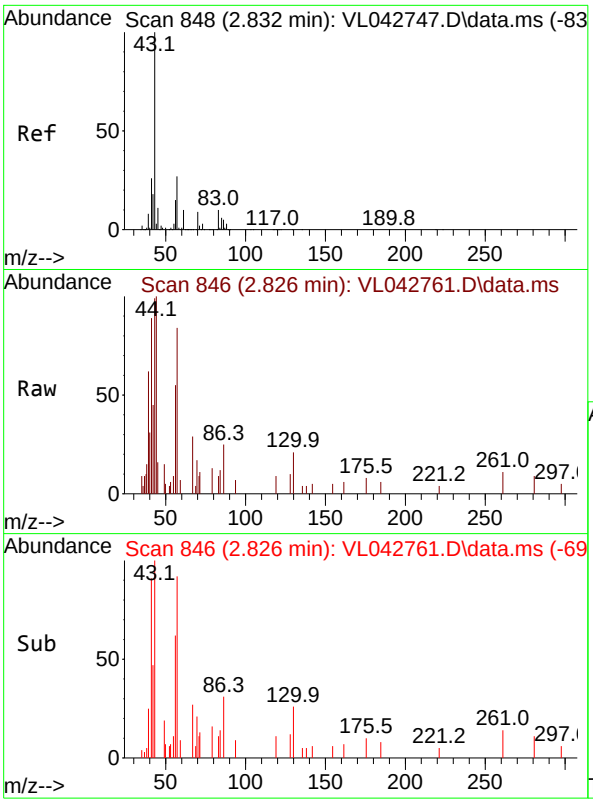


#23
Vinyl Acetate
Concen: 0.023 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.010 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 43 Resp: 573

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.1	9.1#
42	32.5	7.8	11.8#
44	21.7	4.4	6.6#



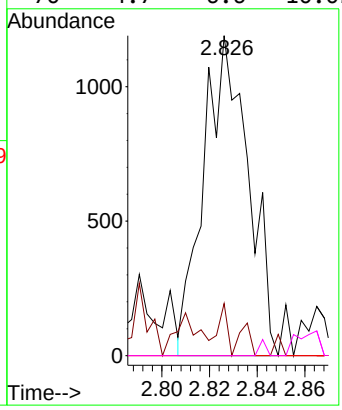


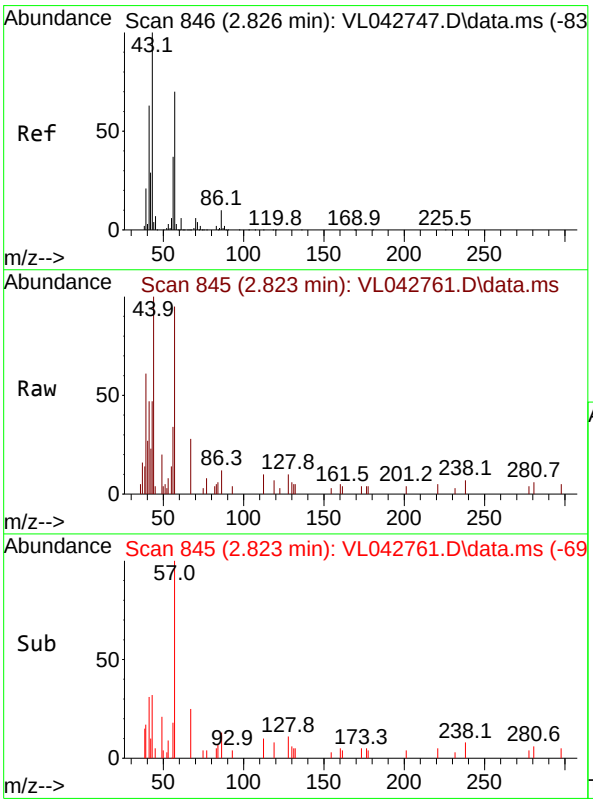
#25
Ethyl Acetate
Concen: 0.034 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 43 Resp: 1548

Ion	Ratio	Lower	Upper
43	100		
45	23.7	7.8	11.6#
61	0.0	6.7	10.1#
70	4.7	6.6	10.0#

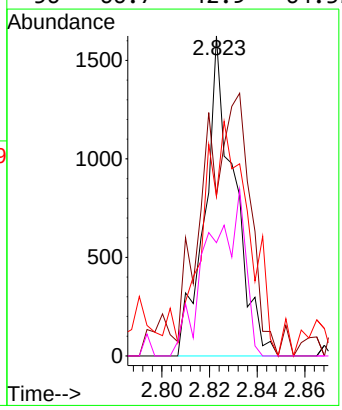


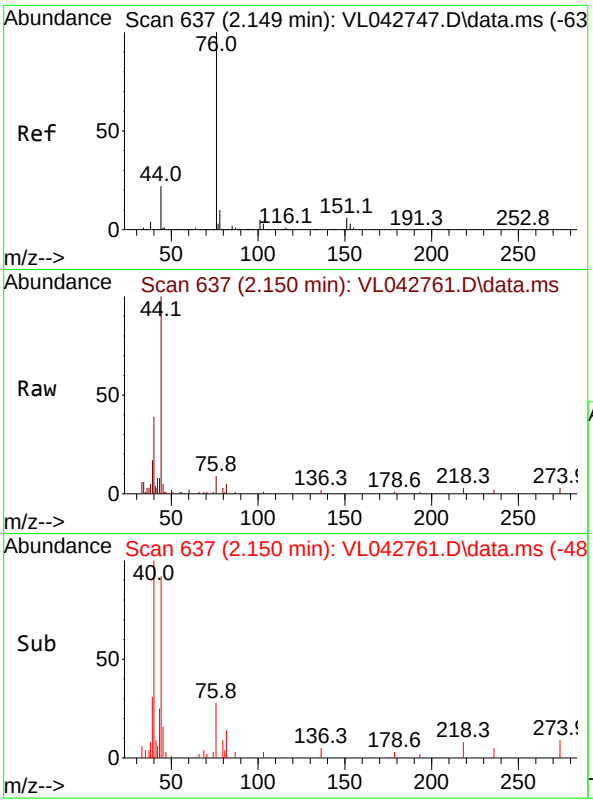


#26
Hexane
Concen: 0.069 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 57 Resp: 1383

Ion	Ratio	Lower	Upper
57	100		
41	142.7	75.4	113.2#
43	144.2	185.0	277.6#
56	66.7	42.9	64.3#



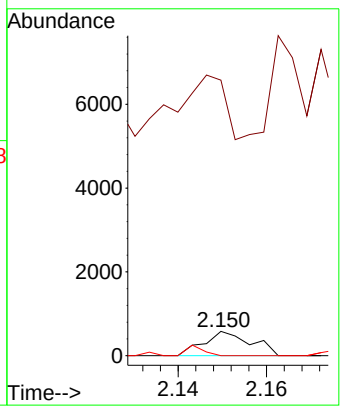


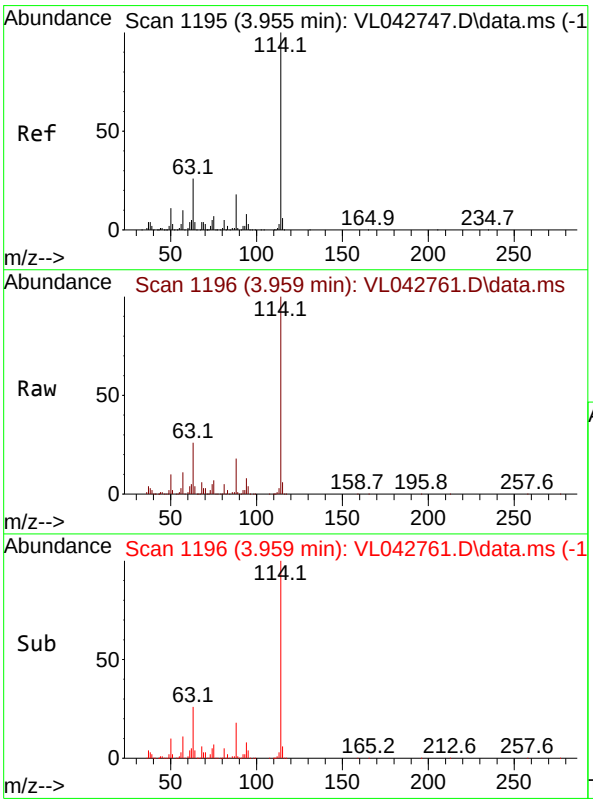
#27
Carbon Disulfide
Concen: 0.025 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 76 Resp: 430

Ion	Ratio	Lower	Upper
76	100		
44	428.8	19.3	28.9#
78	15.3	9.9	14.9#

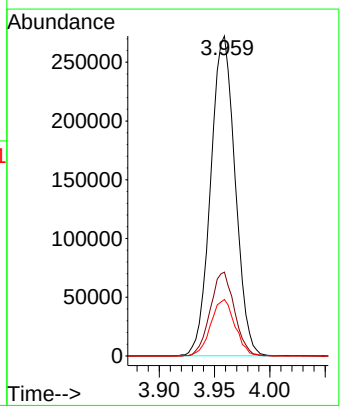


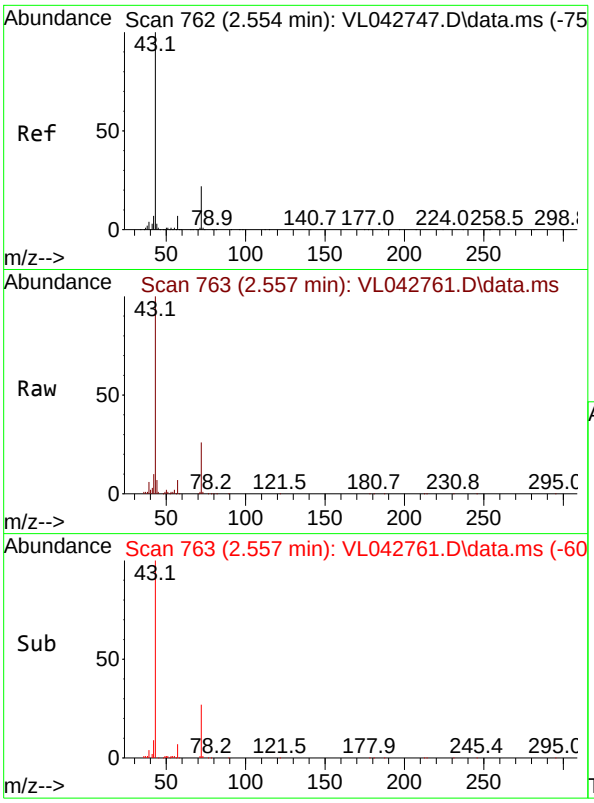


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.004 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:114 Resp: 418114

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.5	30.7
88	17.6	14.0	21.0



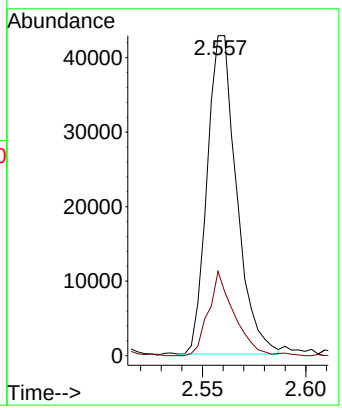


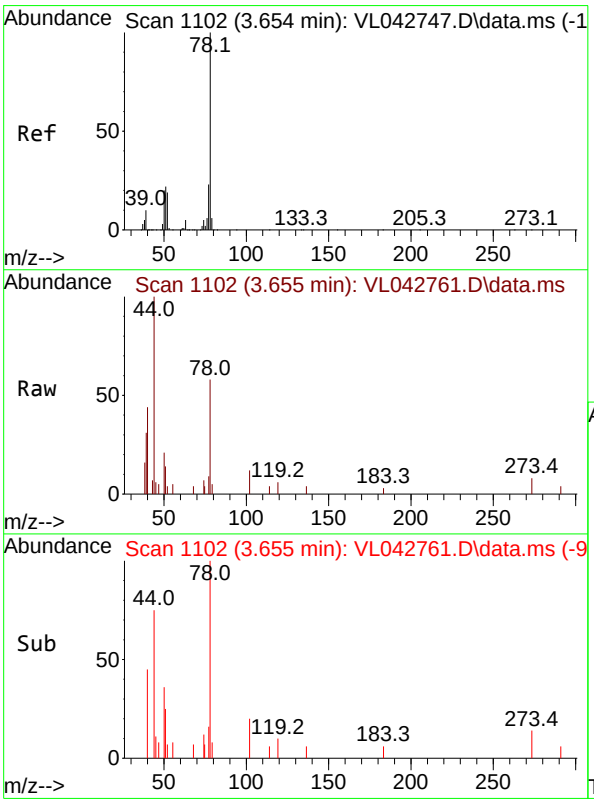
#34
2-Butanone
Concen: 1.430 ppbv
RT: 2.557 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 43 Resp: 42357

Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.4	26.0

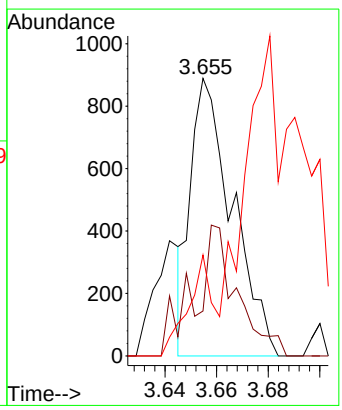


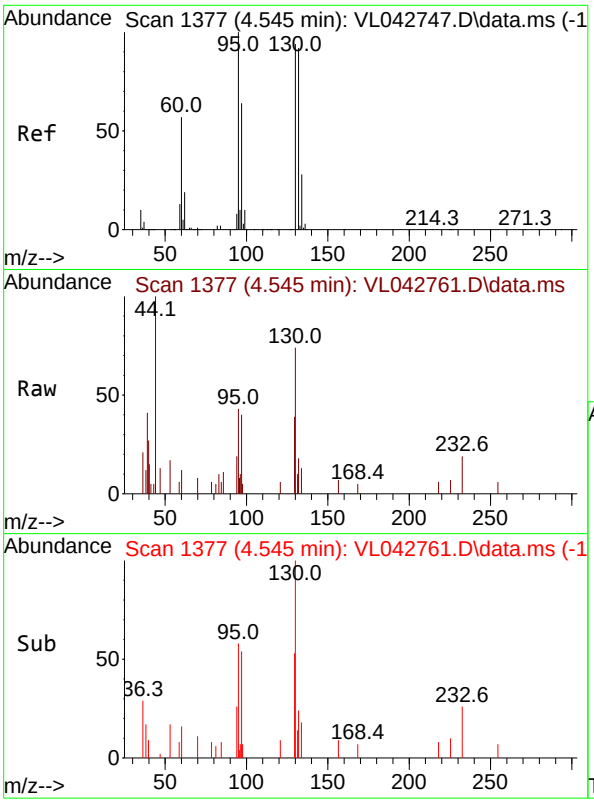


#36
Benzene
Concen: 0.025 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 78 Resp: 1001

Ion	Ratio	Lower	Upper
78	100		
77	9.3	18.5	27.7#
50	24.6	16.2	24.2#



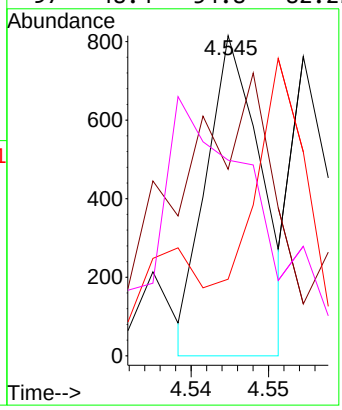


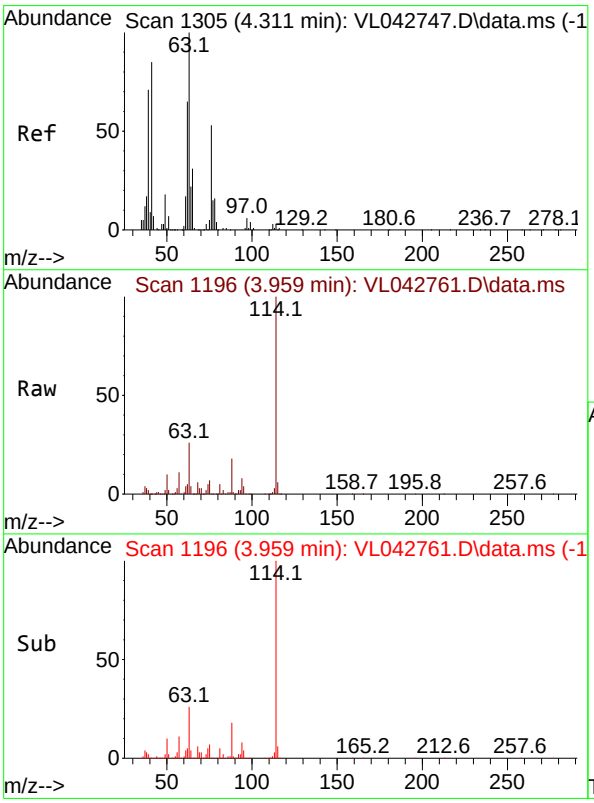
#38
Trichloroethene
Concen: 0.021 ppbv
RT: 4.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion:130 Resp: 403

Ion	Ratio	Lower	Upper
130	100		
95	32.9	85.4	128.2#
132	0.0	78.2	117.2#
97	48.4	54.8	82.2#

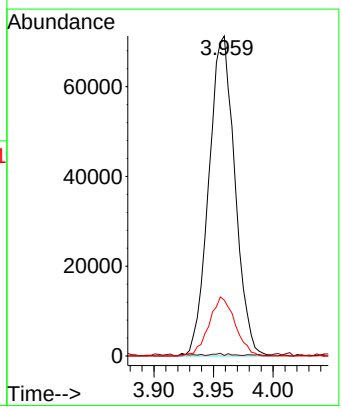


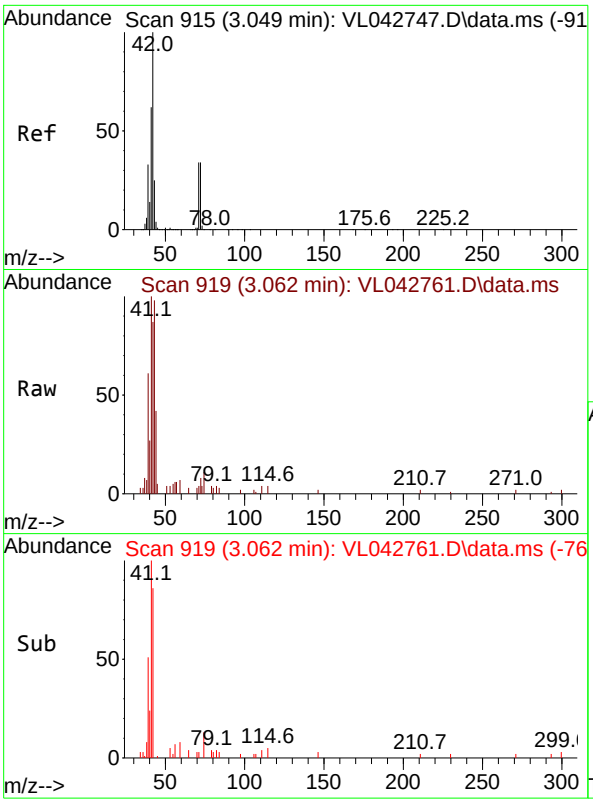


#39
1,2-Dichloropropane
Concen: 7.417 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 63 Resp: 108490

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	17.4	52.0	78.0#



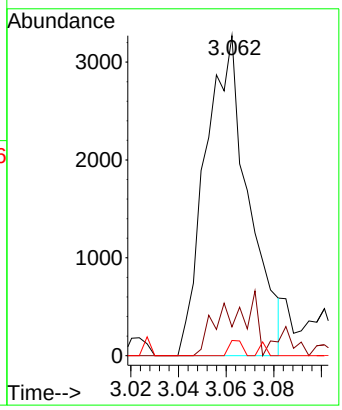


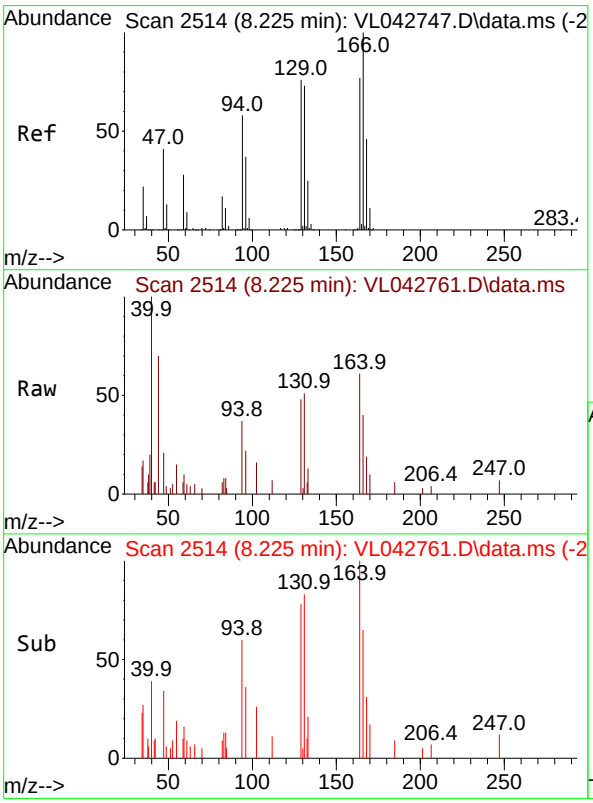
#41
Tetrahydrofuran
Concen: 0.273 ppbv
RT: 3.062 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 42 Resp: 4116

Ion	Ratio	Lower	Upper
42	100		
72	19.3	30.9	46.3#
71	2.1	28.6	43.0#

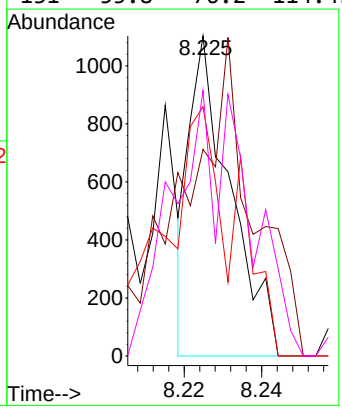


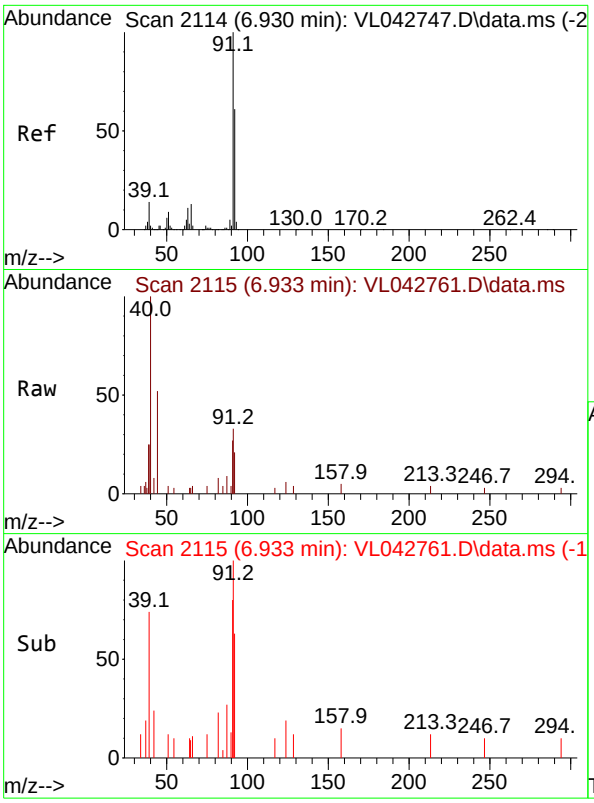


#52
Tetrachloroethene
Concen: 0.049 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:164 Resp: 806

Ion	Ratio	Lower	Upper
164	100		
166	24.8	104.0	156.0#
129	77.9	79.2	118.8#
131	55.8	76.2	114.4#



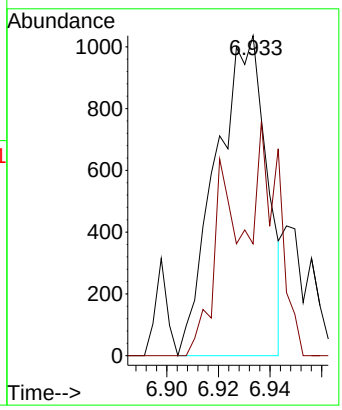


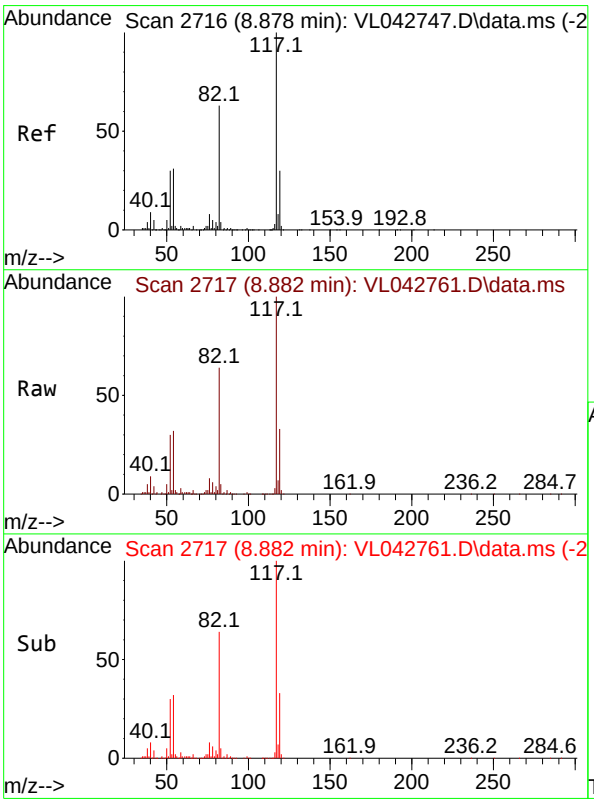
#53
Toluene
Concen: 0.033 ppbv
RT: 6.933 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 91 Resp: 1418

Ion	Ratio	Lower	Upper
91	100		
92	65.5	48.0	72.0

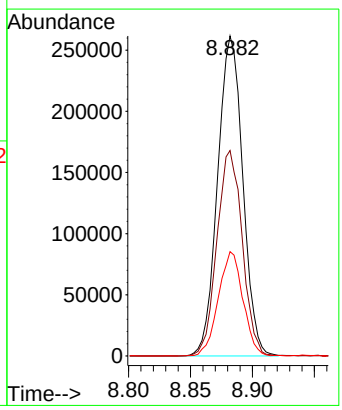


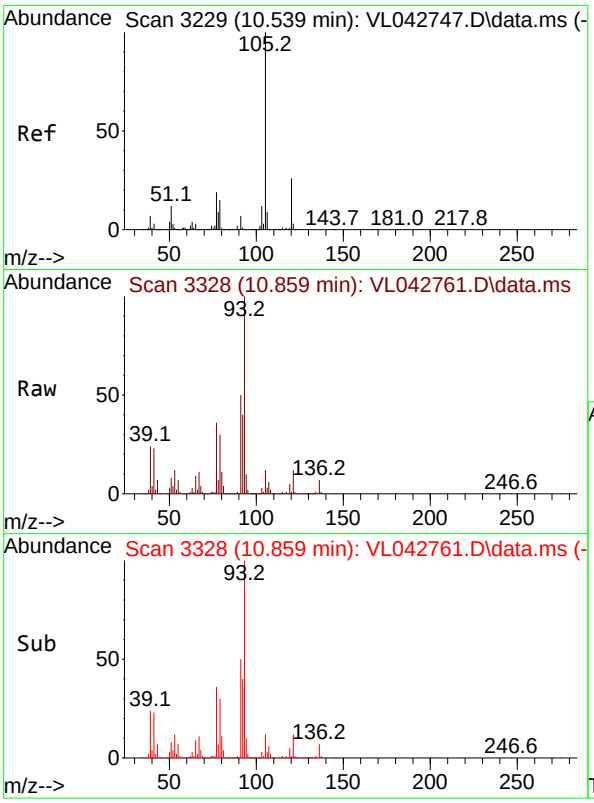


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:117 Resp: 370590

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.3	79.9
119	32.0	25.8	38.6



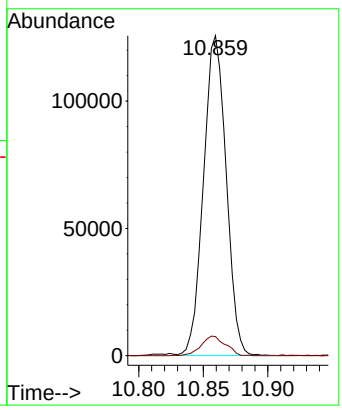


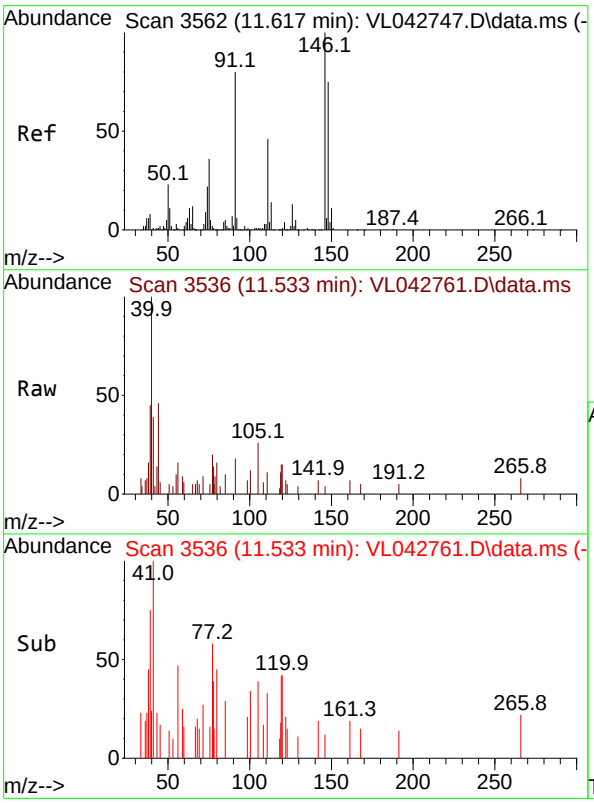
#62
Isopropylbenzene
Concen: 2.226 ppbv
RT: 10.859 min Scan# 3
Delta R.T. 0.321 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion:105 Resp: 153486

Ion	Ratio	Lower	Upper
105	100		
120	6.6	20.5	30.7#

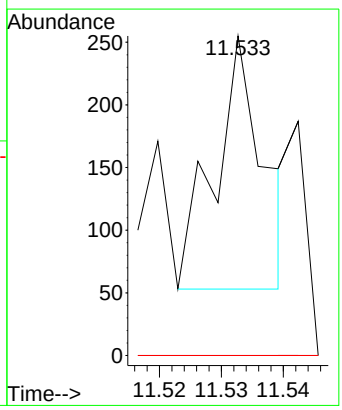


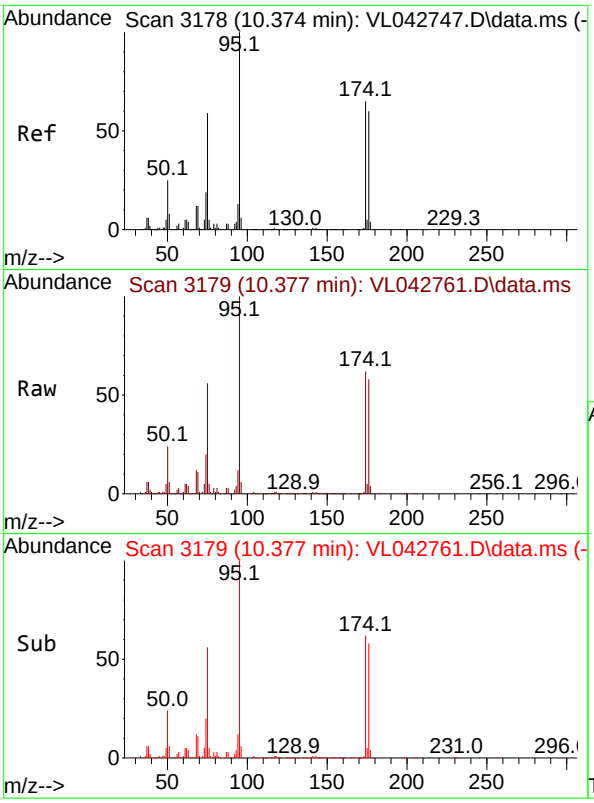


#66
Benzyl Chloride
Concen: 0.022 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.084 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 91 Resp: 110

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	20.0	5.2	7.8#



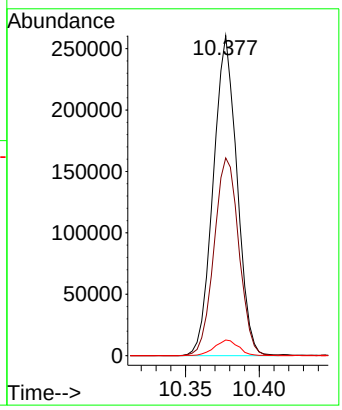


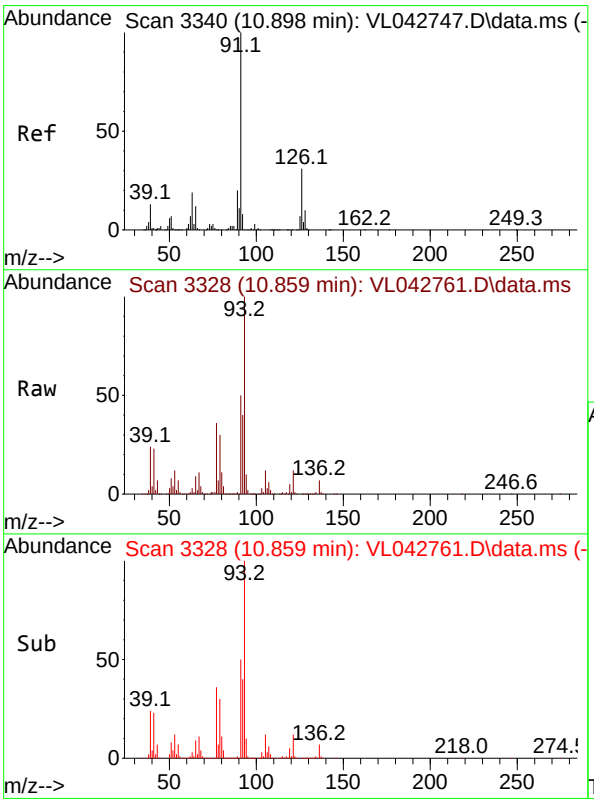
#68
1-Bromo-4-Fluorobenzene
Concen: 9.930 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion: 95 Resp: 291433

Ion	Ratio	Lower	Upper
95	100		
174	65.0	53.8	80.6
175	5.0	4.0	6.0

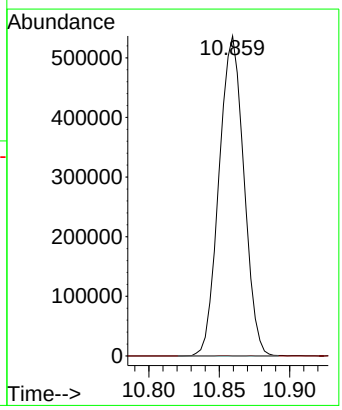


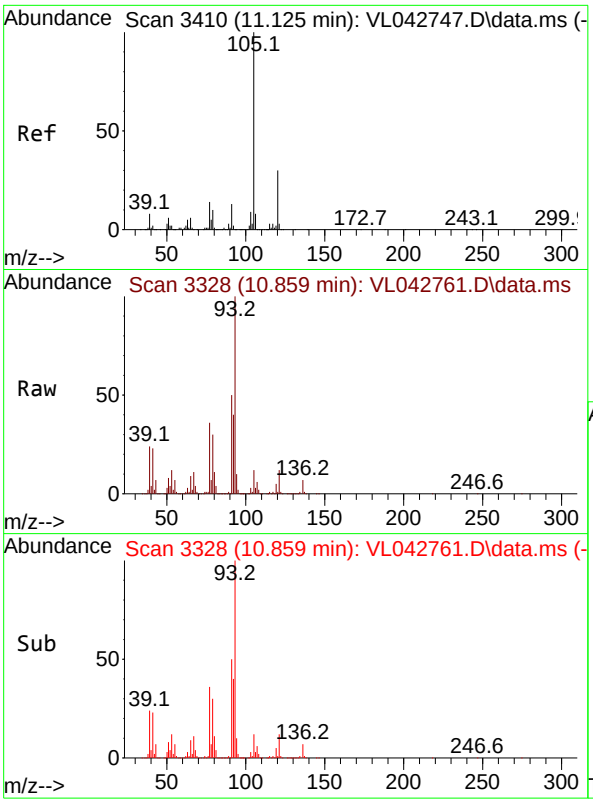


#71
2-Chlorotoluene
Concen: 12.468 ppbv
RT: 10.859 min Scan# 3328
Delta R.T. -0.039 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion: 91 Resp: 659058

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.0	48.2#



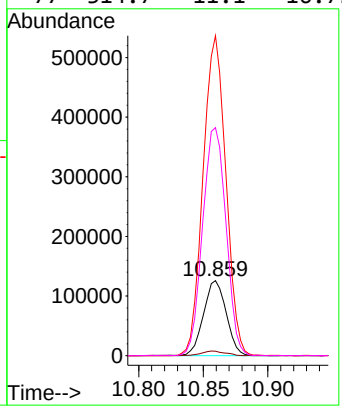


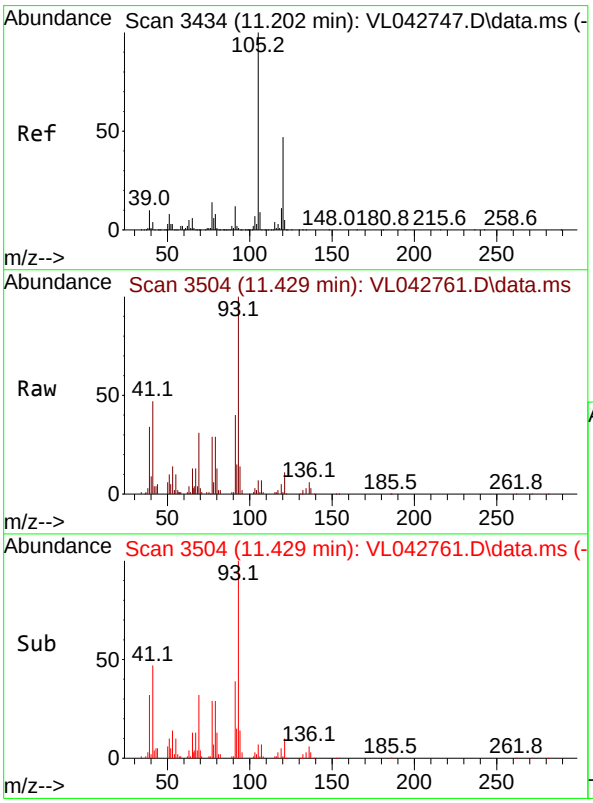
#72
4-Ethyltoluene
Concen: 2.750 ppbv
RT: 10.859 min Scan# 3
Delta R.T. -0.265 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion:105 Resp: 153486

Ion	Ratio	Lower	Upper
105	100		
120	6.6	24.4	36.6#
91	429.9	10.6	15.8#
77	314.7	11.1	16.7#

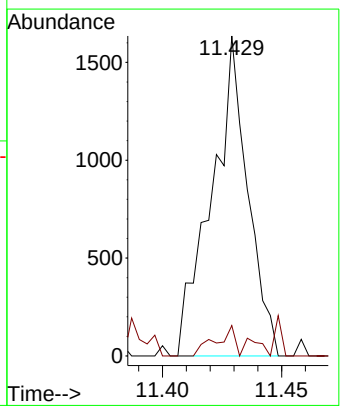


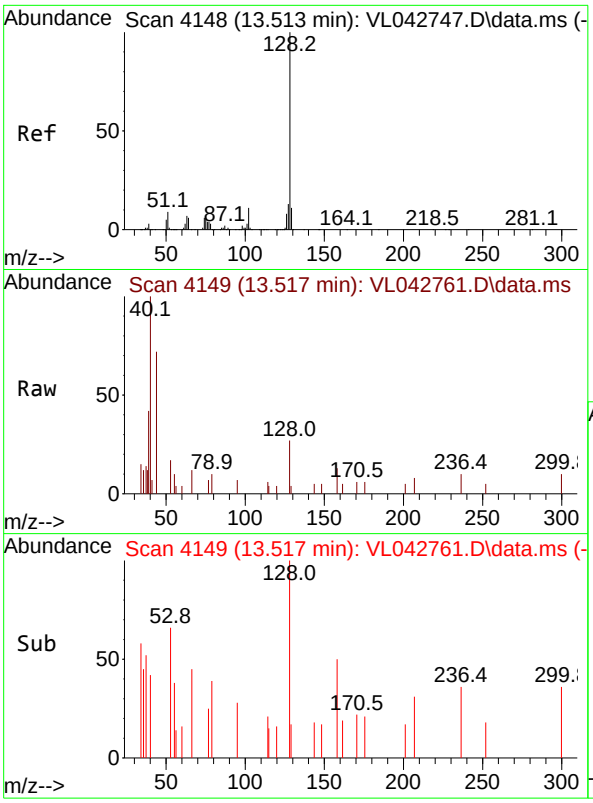


#73
1,3,5-Trimethylbenzene
Concen: 0.038 ppbv
RT: 11.429 min Scan# 3504
Delta R.T. 0.227 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:105 Resp: 1729

Ion	Ratio	Lower	Upper
105	100		
120	9.5	37.8	56.8#



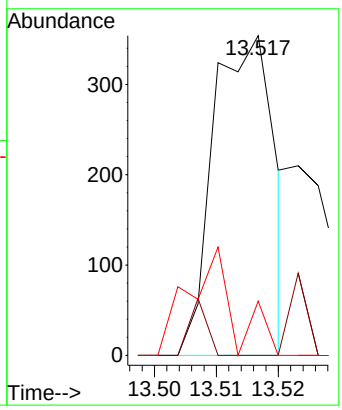


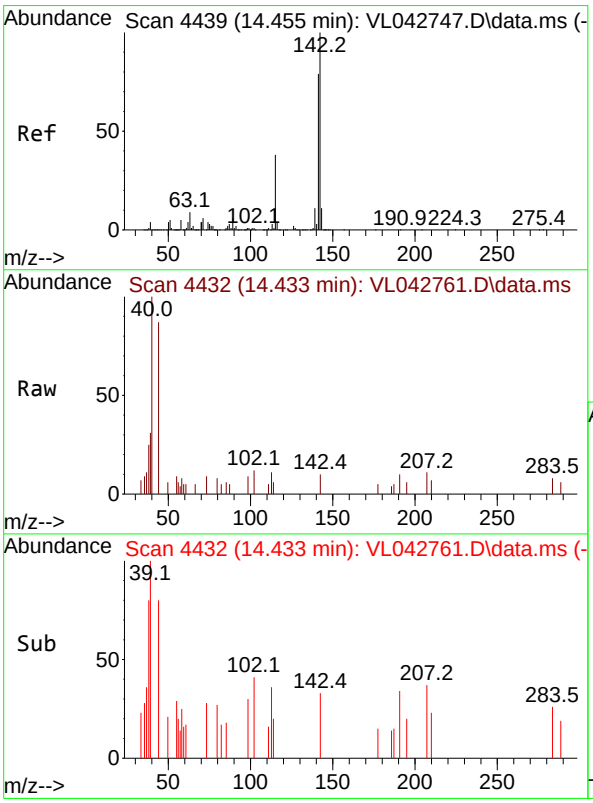
#79
Naphthalene
Concen: 0.439 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion:128 Resp: 244

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	16.9	8.6	13.0#

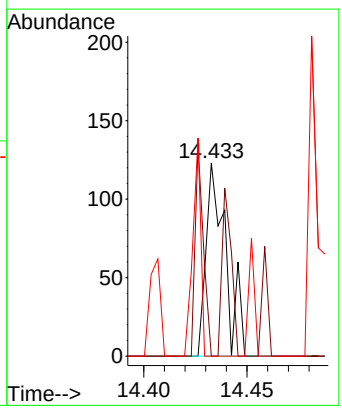


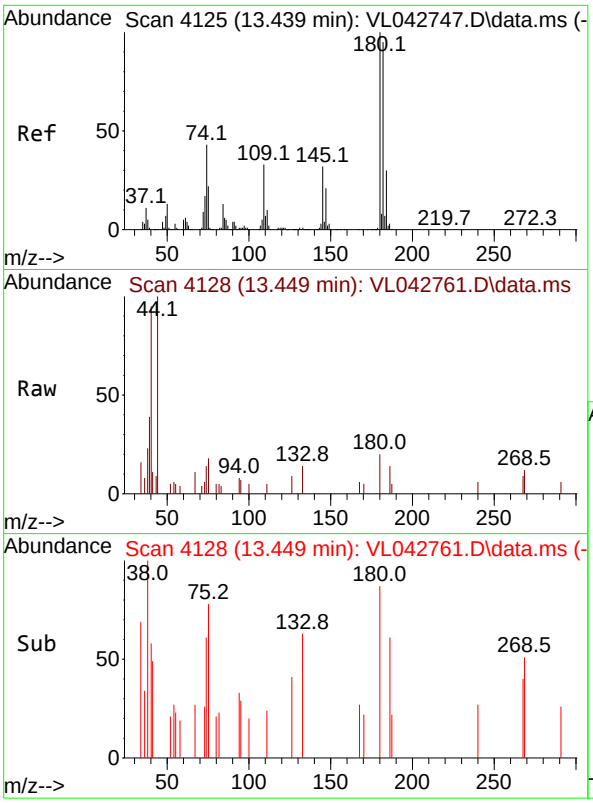


#80
Naphthalene,2-methyl-
Concen: 1.131 ppbv
RT: 14.433 min Scan# 4432
Delta R.T. -0.022 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Tgt Ion:142 Resp: 80

Ion	Ratio	Lower	Upper
142	100		
141	88.8	65.8	98.8
115	75.0	31.2	46.8#



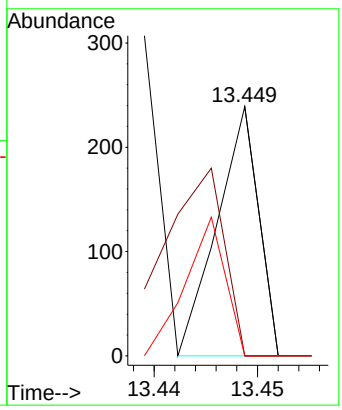


#81
1,2,4-Trichlorobenzene
Concen: 0.437 ppbv
RT: 13.449 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042761.D
Acq: 24 Jul 2025 12:14

Instrument :
MSVOA_L
ClientSampleId :
118-SG1DL

Tgt Ion:180 Resp: 67

Ion	Ratio	Lower	Upper
180	100		
182	183.6	76.2	114.2#
184	109.0	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042762.D
Acq On : 24 Jul 2025 13:17
Operator : SY/MD
Sample : Q2671-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Quant Time: Jul 25 01:25:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	154296	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	419540	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	381810	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	306627	10.141	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	9247	0.453	ppbv		96
3) Chlorodifluoromethane	1.466	51	1559321	58.676	ppbv	#	58
4) Chloromethane	1.528	50	1485	0.180	ppbv	#	80
6) Bromomethane	1.667	94	304	0.096	ppbv		82
7) Chloroethane	1.466	64	102106	32.408	ppbv		99
8) Dichlorotetrafluoroethane	1.554	85	570	0.034	ppbv		90
9) Propene	1.557	41	280515	29.043	ppbv		91
10) Heptane	4.978	43	9231	0.354	ppbv	#	50
11) Trichlorofluoromethane	1.878	101	6222	0.296	ppbv		89
12) 1,1,2-Trichlorotrifluo...	2.140	101	1074	0.067	ppbv	#	66
13) Ethanol	1.719	45	462583	656.614	ppbv		89
15) Acetone	1.832	43	463947	21.776	ppbv		98
16) 1,3-Butadiene	1.599	39	25644	2.822	ppbv	#	35
17) tert-Butyl alcohol	2.039	59	11264	0.586	ppbv	#	88
18) 1,1-Dichloroethene	2.036	96	152	0.021	ppbv	#	1
19) Isopropyl Alcohol	1.884	45	34879	3.081	ppbv	#	1
20) Methylene Chloride	2.059	84	2857	0.426	ppbv		90
21) Allyl Chloride	2.039	41	4310	0.328	ppbv	#	17
23) Vinyl Acetate	2.450	43	15385	0.596	ppbv	#	86
25) Ethyl Acetate	2.826	43	44338	0.940	ppbv	#	83
26) Hexane	2.826	57	49153	2.376	ppbv	#	44
27) Carbon Disulfide	2.149	76	40051	2.261	ppbv	#	1
28) Methyl tert-Butyl Ether	2.437	73	909	0.093	ppbv	#	1
29) Chloroform	2.845	83	645551	20.193	ppbv		97
30) Cyclohexane	3.852	84	773	0.044	ppbv	#	1
31) cis-1,2-Dichloroethene	2.719	61	4361	0.205	ppbv	#	89
32) 1,1,1-Trichloroethane	3.366	97	13146	0.395	ppbv		95
34) 2-Butanone	2.554	43	461666	15.535	ppbv		99
35) Carbon Tetrachloride	3.761	117	10371	0.333	ppbv		86
36) Benzene	3.651	78	10733	0.270	ppbv	#	90
37) 1,2-Dichloroethane	3.218	62	2275	0.095	ppbv	#	90
38) Trichloroethene	4.541	130	420946	22.037	ppbv		97
39) 1,2-Dichloropropane	3.955	63	106360	7.247	ppbv	#	23
41) Tetrahydrofuran	3.052	42	687	0.045	ppbv	#	25
42) Bromodichloromethane	4.483	83	4682	0.150	ppbv	#	81
44) 2,2,4-Trimethylpentane	4.632	57	1960	0.030	ppbv	#	1
51) 2-Hexanone	7.438	43	21380	0.739	ppbv	#	92
52) Tetrachloroethene	8.221	164	329198	19.975	ppbv		98
53) Toluene	6.923	91	7882	0.185	ppbv	#	48
58) Ethyl Benzene	9.351	91	4079	0.068	ppbv		97
59) m/p-Xylene	9.542	91	3642	0.076	ppbv	#	30
60) o-Xylene	9.959	91	3034	0.063	ppbv	#	44
61) Styrene	9.866	104	2858	0.141	ppbv		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042762.D
Acq On : 24 Jul 2025 13:17
Operator : SY/MD
Sample : Q2671-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Quant Time: Jul 25 01:25:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

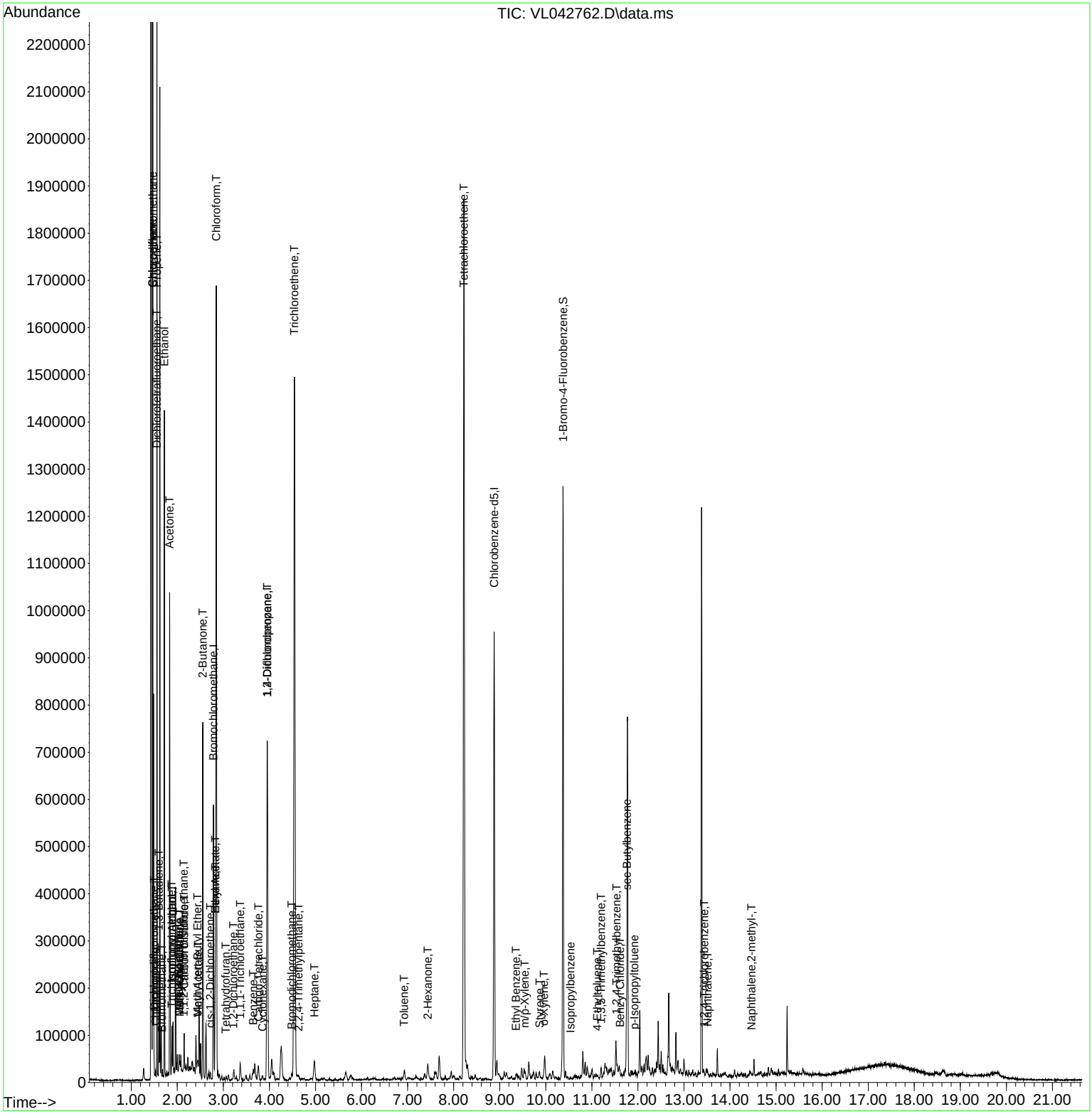
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Isopropylbenzene	10.536	105	1611	0.023	ppbv #	84
66) Benzyl Chloride	11.613	91	170	0.033	ppbv #	1
67) sec-Butylbenzene	11.762	105	2221	0.025	ppbv #	1
69) p-Isopropyltoluene	11.921	119	1977	0.027	ppbv #	66
72) 4-Ethyltoluene	11.118	105	1240	0.022	ppbv #	43
73) 1,3,5-Trimethylbenzene	11.202	105	2074	0.044	ppbv #	76
74) 1,2,4-Trimethylbenzene	11.536	105	7139	0.138	ppbv #	54
79) Naphthalene	13.513	128	3165	0.489	ppbv #	95
80) Naphthalene,2-methyl-	14.465	142	1112	1.164	ppbv #	70
81) 1,2,4-Trichlorobenzene	13.439	180	554	0.452	ppbv #	59

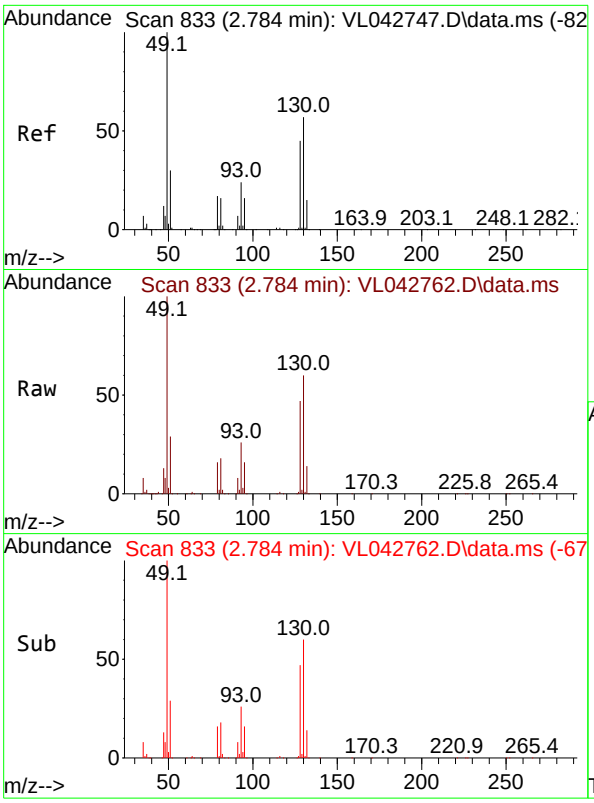
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042762.D
Acq On : 24 Jul 2025 13:17
Operator : SY/MD
Sample : Q2671-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Quant Time: Jul 25 01:25:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



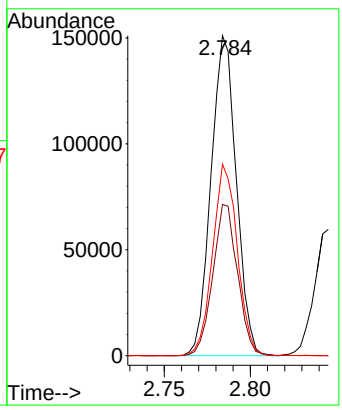


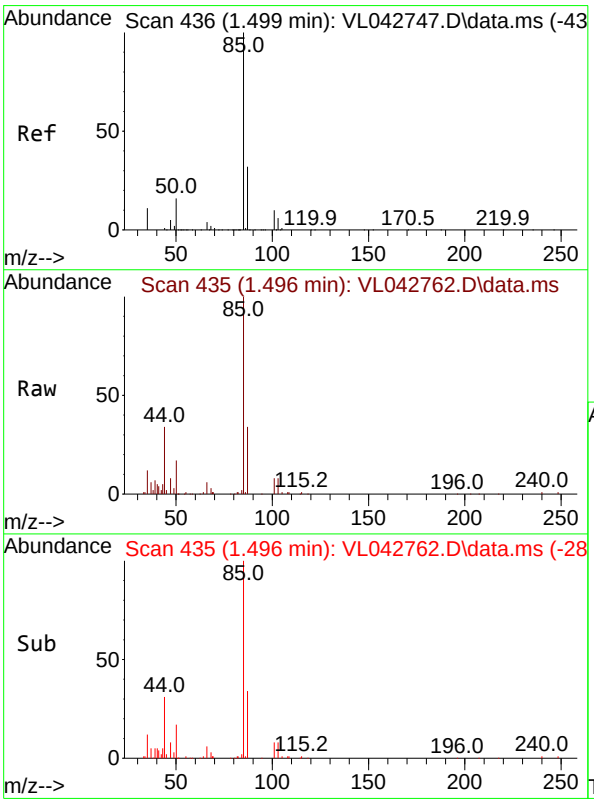
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 49 Resp: 154296

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	58.5	30.3	90.8

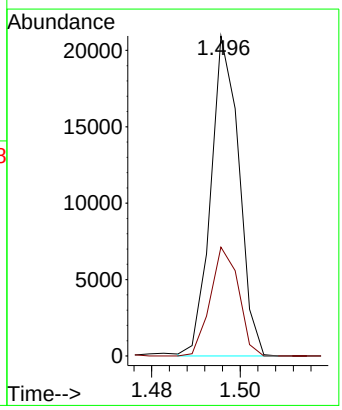


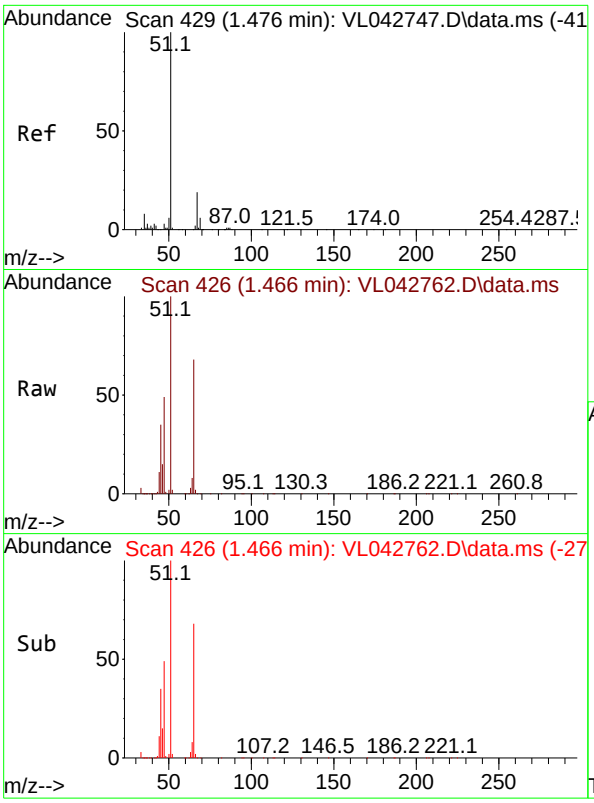


#2
Dichlorodifluoromethane
Concen: 0.453 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 85 Resp: 9247

Ion	Ratio	Lower	Upper
85	100		
87	34.0	25.4	38.2



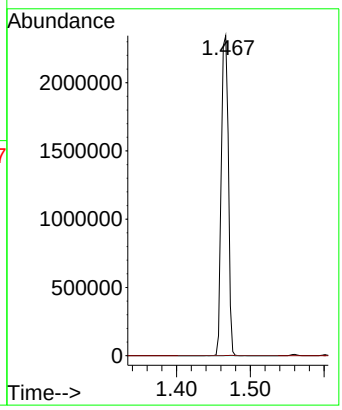


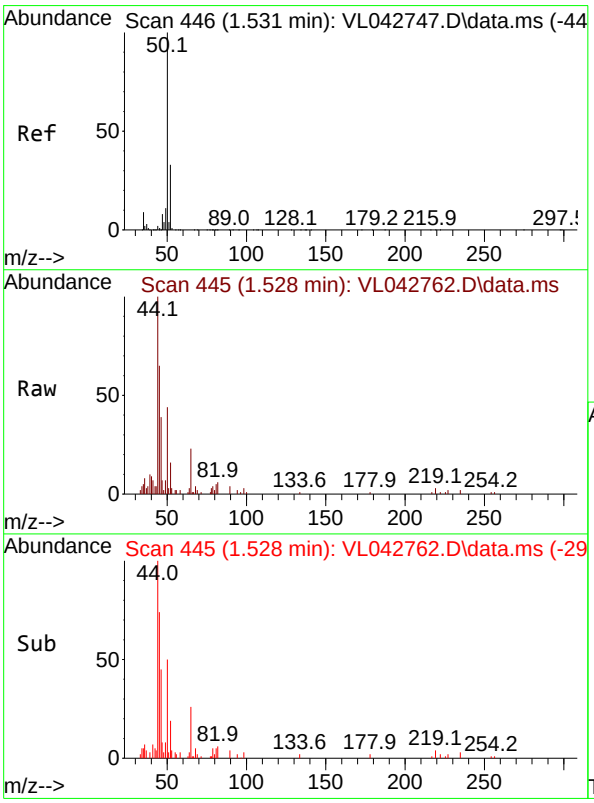
#3
Chlorodifluoromethane
Concen: 58.676 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 51 Resp: 1559321

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.0	22.6#

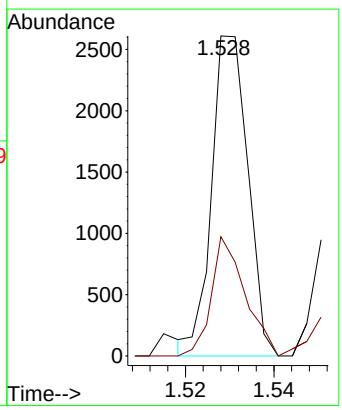


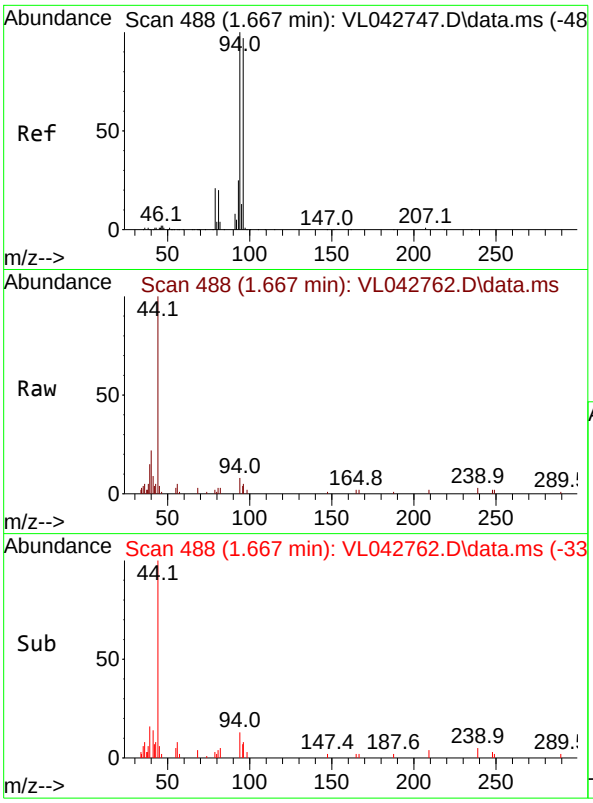


#4
Chloromethane
Concen: 0.180 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 50 Resp: 1485

Ion	Ratio	Lower	Upper
50	100		
52	44.8	26.6	40.0#



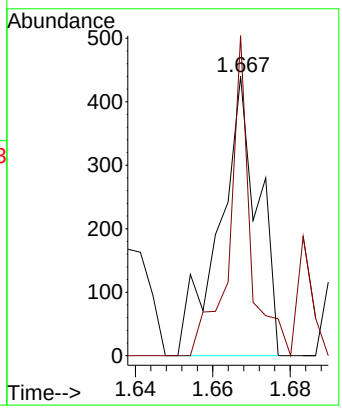


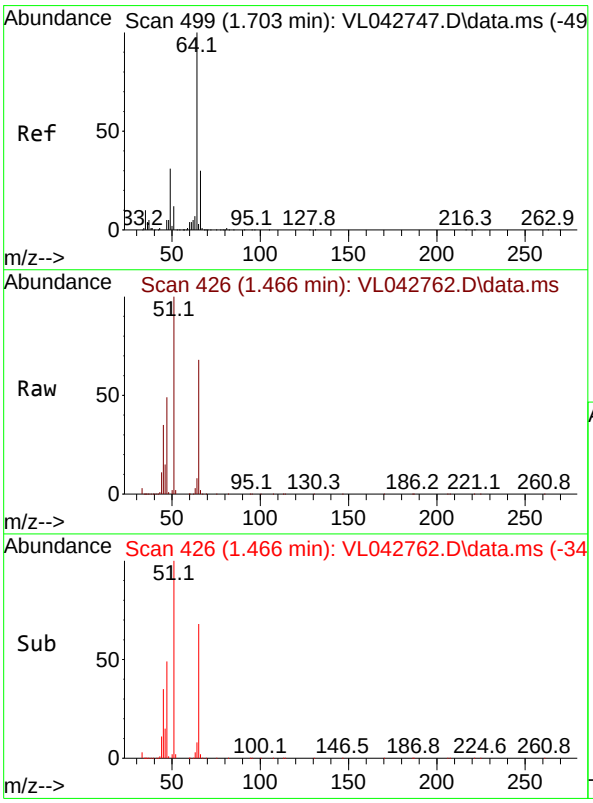
#6
Bromomethane
Concen: 0.096 ppbv
RT: 1.667 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 94 Resp: 304

Ion	Ratio	Lower	Upper
94	100		
96	114.5	77.6	116.4

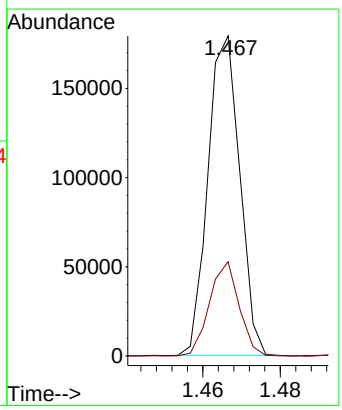


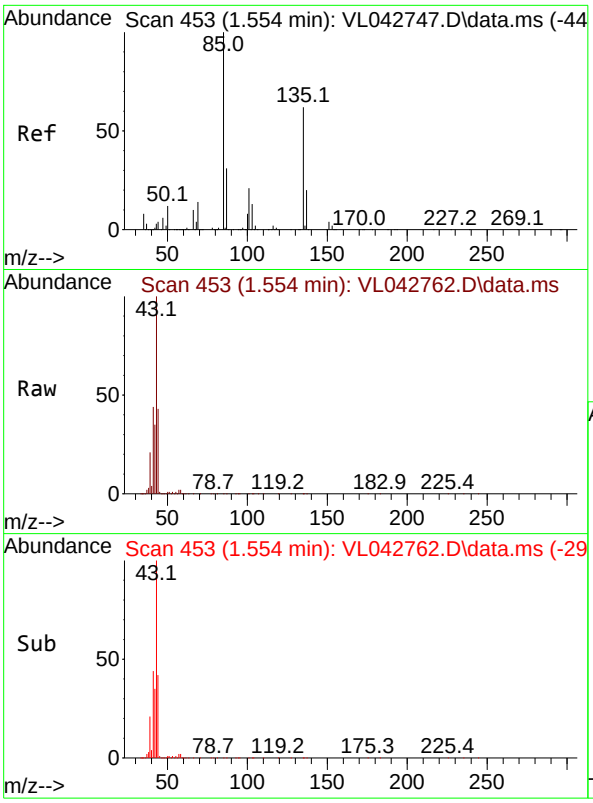


#7
Chloroethane
Concen: 32.408 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 64 Resp: 102106

Ion	Ratio	Lower	Upper
64	100		
66	29.5	24.1	36.1



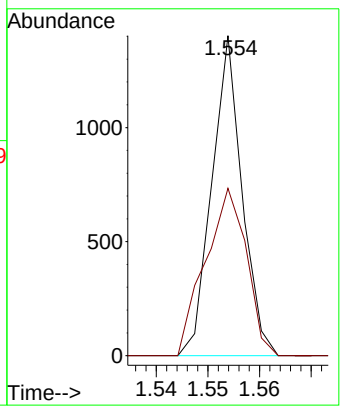


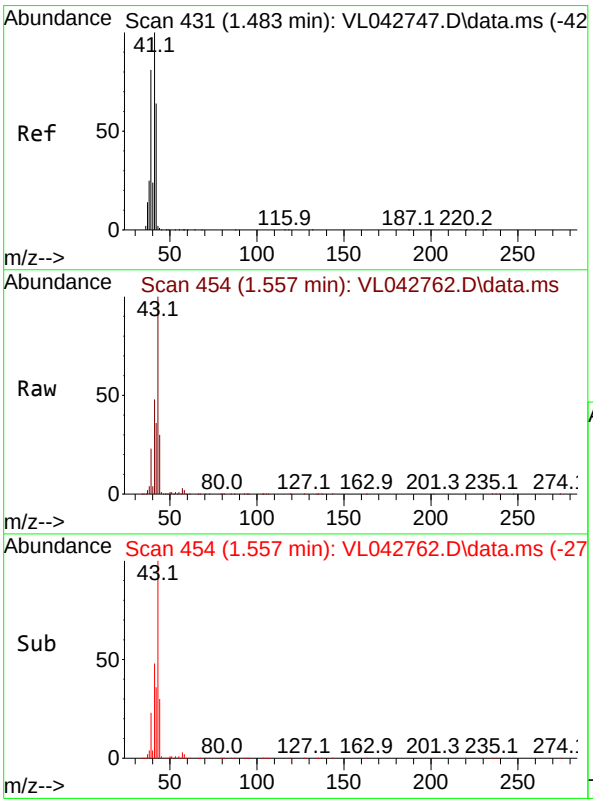
#8
Dichlorotetrafluoroethane
Concen: 0.034 ppbv
RT: 1.554 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 85 Resp: 570

Ion	Ratio	Lower	Upper
85	100		
135	71.4	50.6	76.0

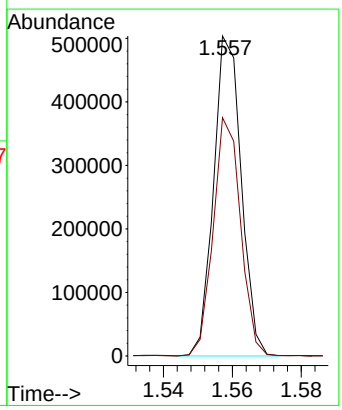


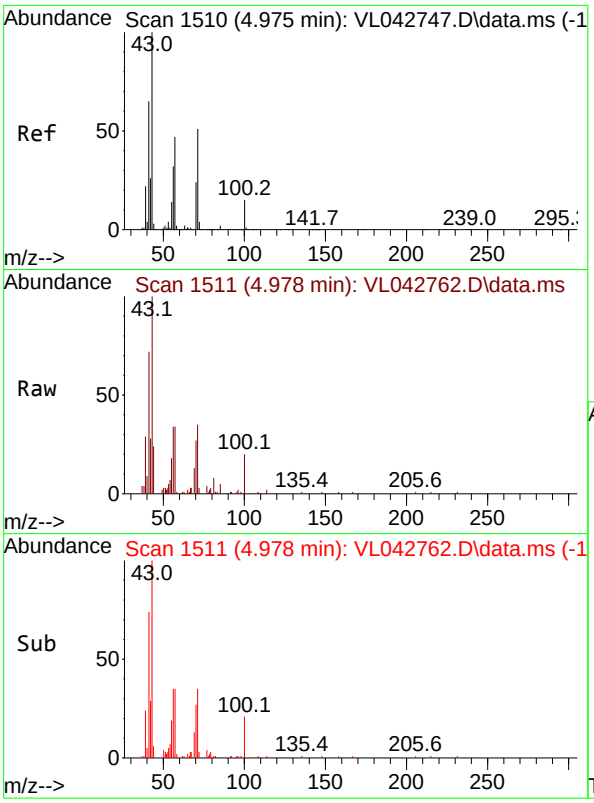


#9
Propene
Concen: 29.043 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.074 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 41 Resp: 280515

Ion	Ratio	Lower	Upper
41	100		
42	74.0	53.2	79.8



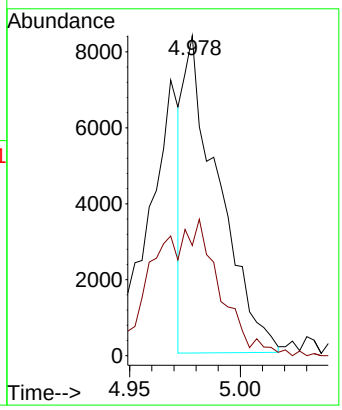


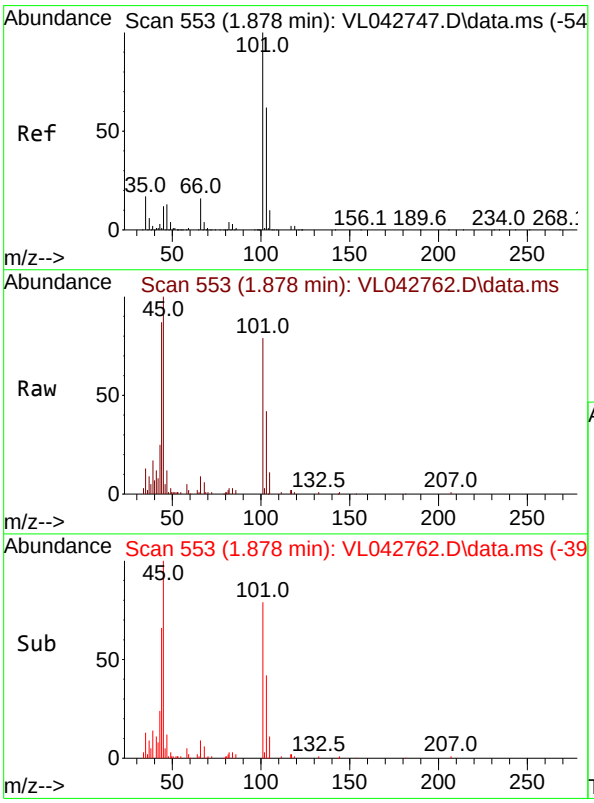
#10
Heptane
Concen: 0.354 ppbv
RT: 4.978 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 43 Resp: 9231

Ion	Ratio	Lower	Upper
43	100		
57	84.0	39.9	59.9#

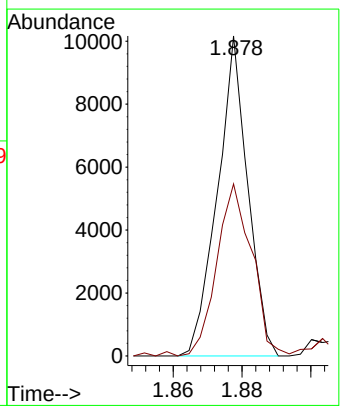


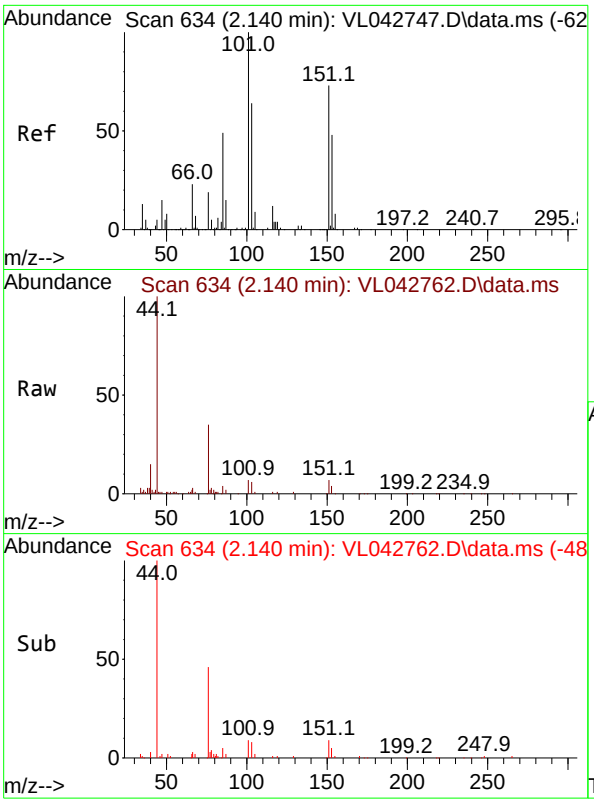


#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:101 Resp: 6222

Ion	Ratio	Lower	Upper
101	100		
103	53.7	49.6	74.4



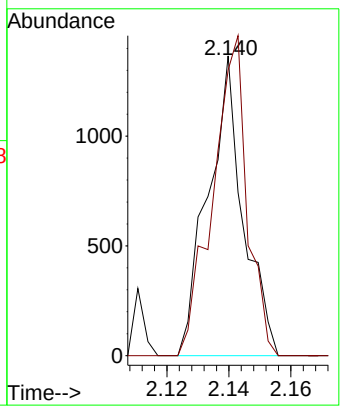


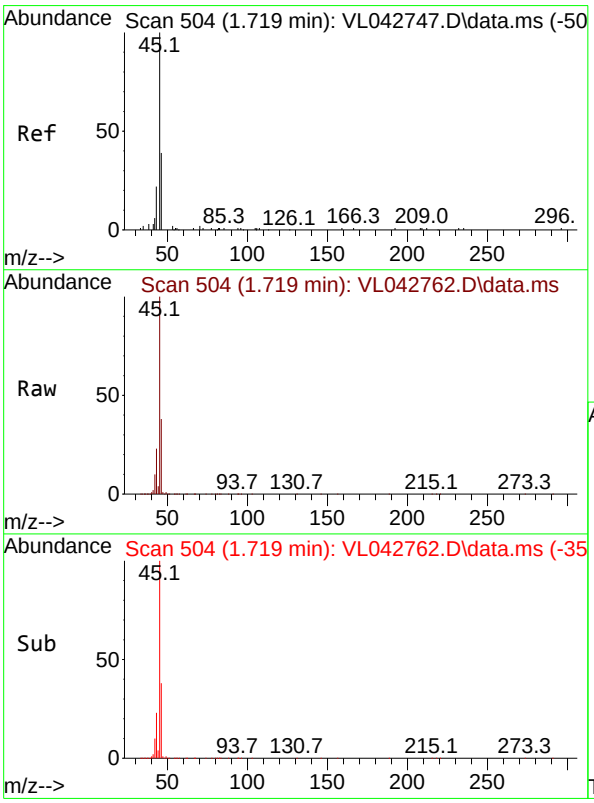
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.067 ppbv
RT: 2.140 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:101 Resp: 1074

Ion	Ratio	Lower	Upper
101	100		
151	104.3	60.5	90.7#

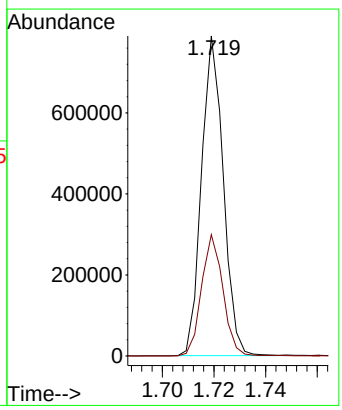


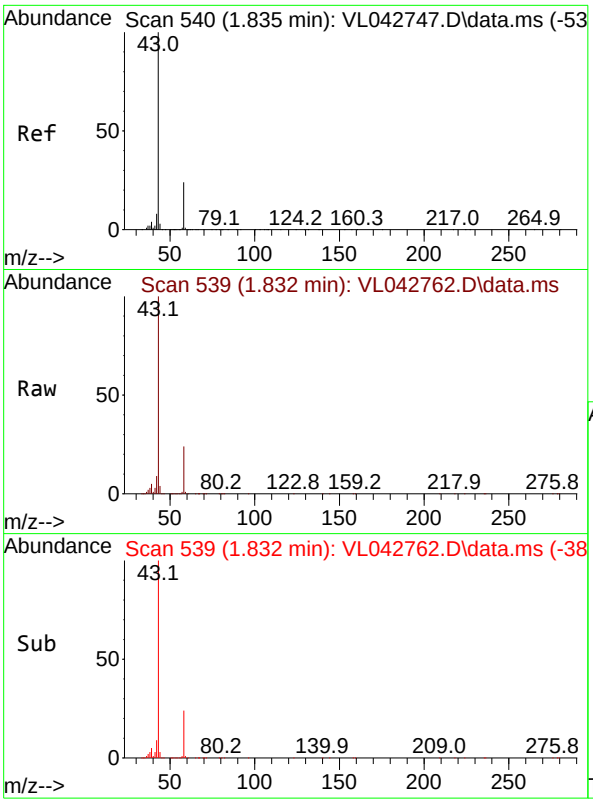


#13
Ethanol
Concen: 656.614 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 45 Resp: 462583

Ion	Ratio	Lower	Upper
45	100		
46	37.5	17.8	71.4



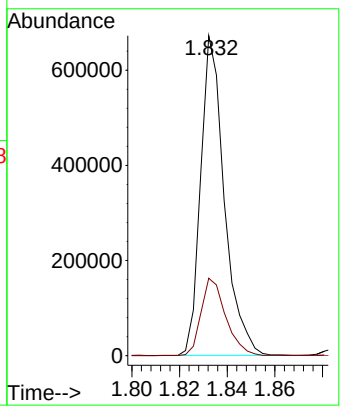


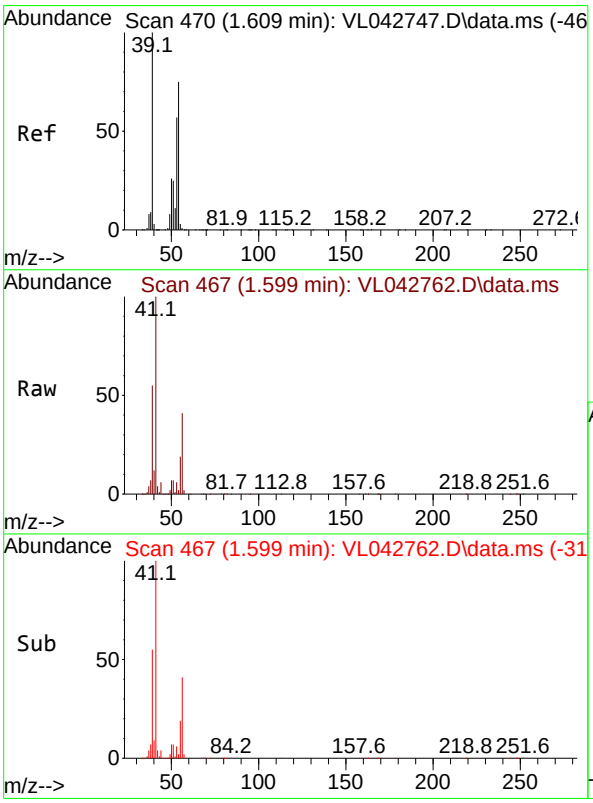
#15
Acetone
Concen: 21.776 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 43 Resp: 463947

Ion	Ratio	Lower	Upper
43	100		
58	25.7	19.8	29.8

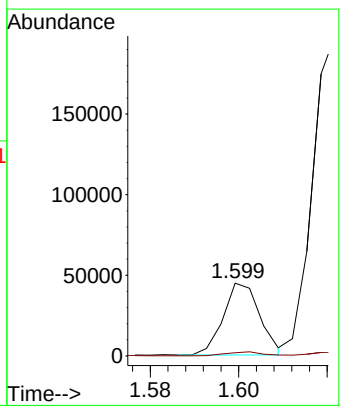


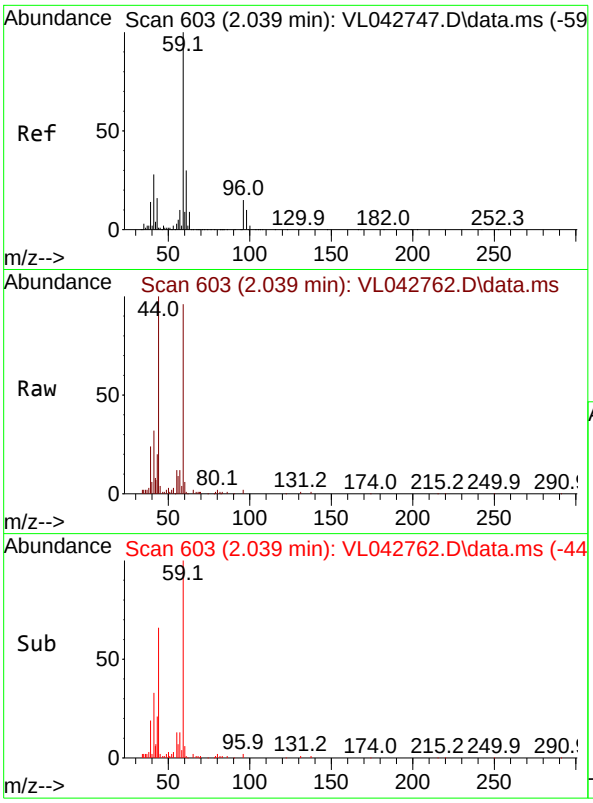


#16
1,3-Butadiene
Concen: 2.822 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.010 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 39 Resp: 25644

Ion	Ratio	Lower	Upper
39	100		
54	15.7	54.5	81.7#



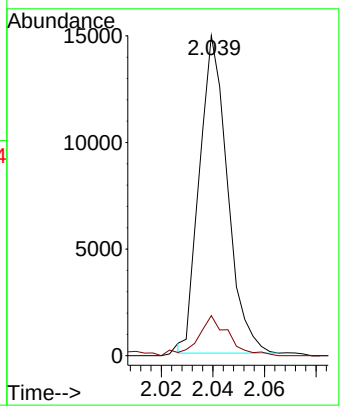


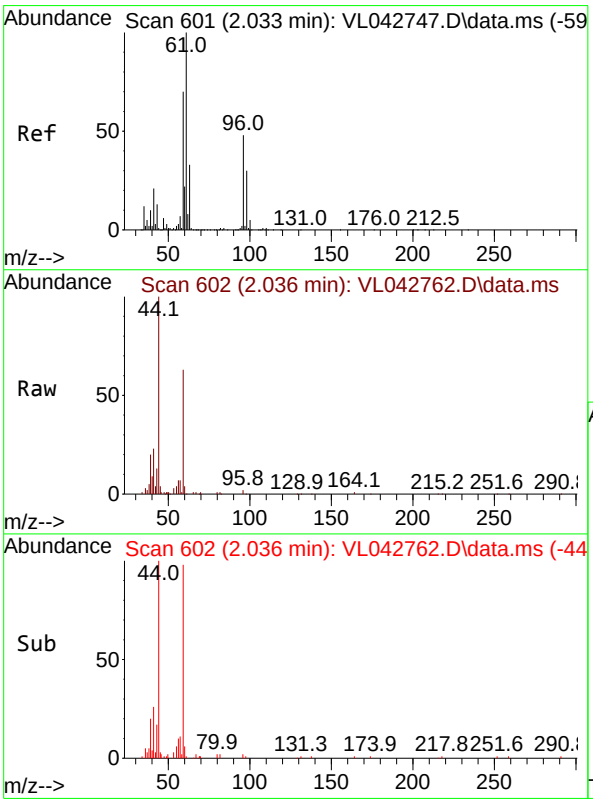
#17
tert-Butyl alcohol
Concen: 0.586 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 59 Resp: 11264

Ion	Ratio	Lower	Upper
59	100		
57	14.7	8.3	12.5#

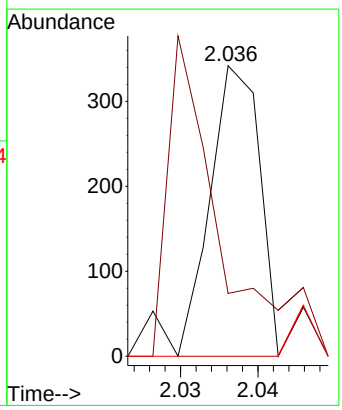


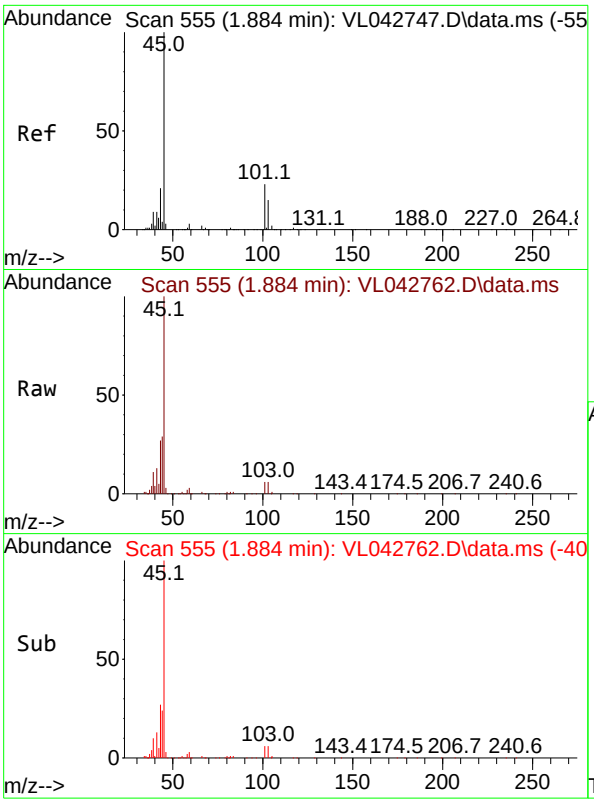


#18
1,1-Dichloroethene
Concen: 0.021 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 96 Resp: 152

Ion	Ratio	Lower	Upper
96	100		
61	0.0	165.8	248.6#
98	0.0	49.9	74.9#



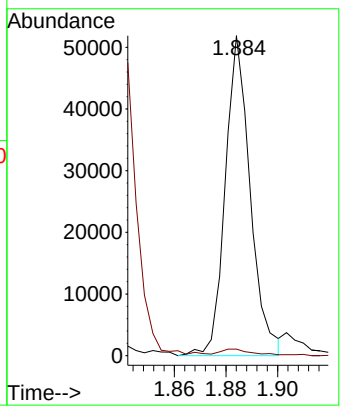


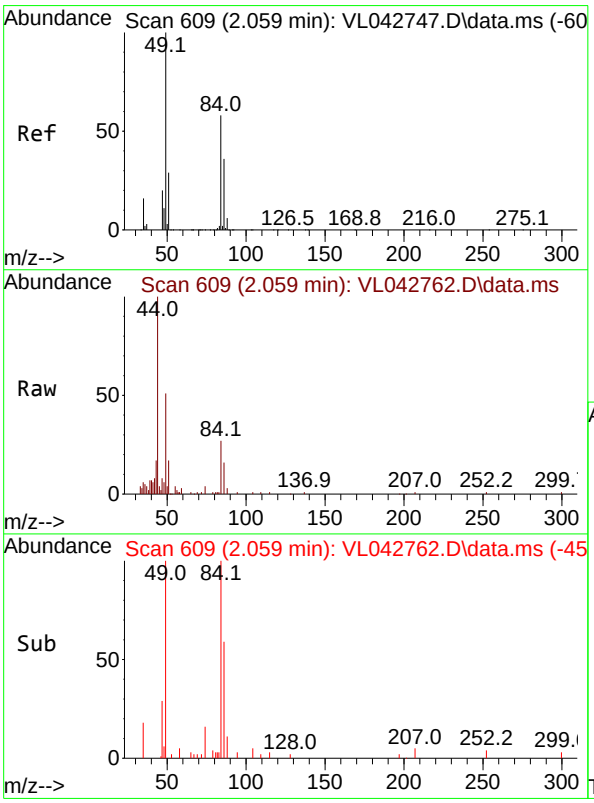
#19
Isopropyl Alcohol
Concen: 3.081 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 45 Resp: 34879

Ion	Ratio	Lower	Upper
45	100		
58	341.2	30.0	45.0#

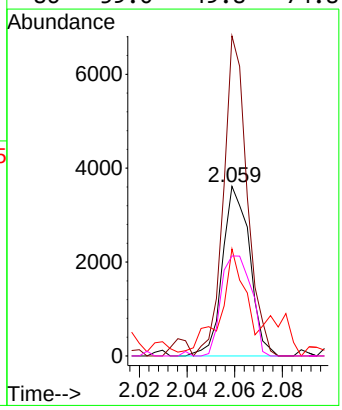


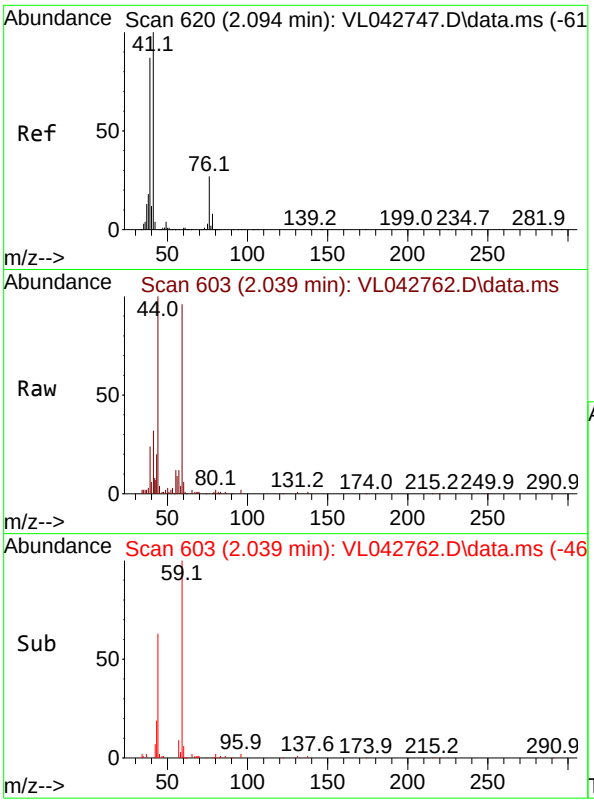


#20
Methylene Chloride
Concen: 0.426 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 84 Resp: 2857

Ion	Ratio	Lower	Upper
84	100		
49	188.7	138.6	208.0
51	60.9	40.6	61.0
86	59.0	49.8	74.8



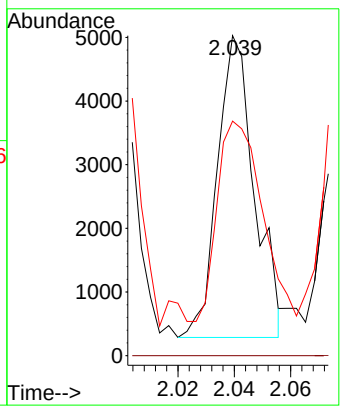


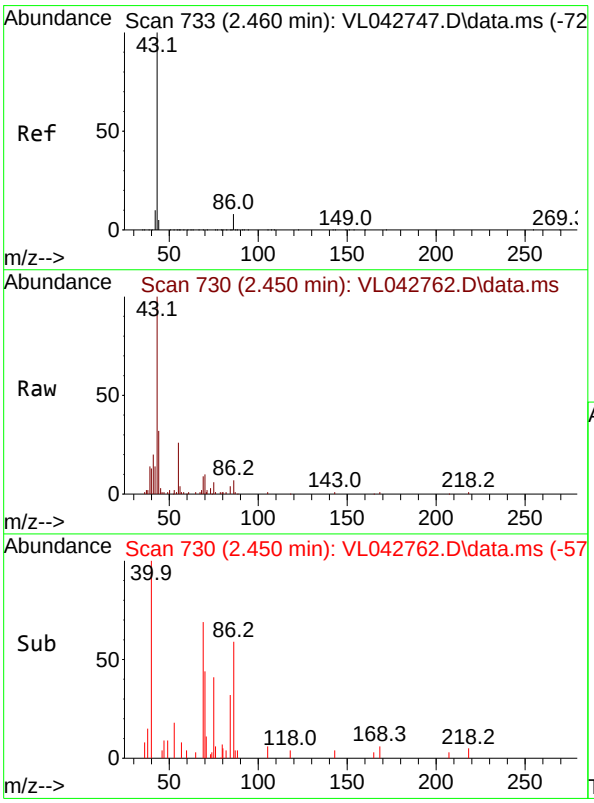
#21
Allyl Chloride
Concen: 0.328 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.055 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 41 Resp: 4310

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.1	31.7#
39	0.0	68.3	102.5#

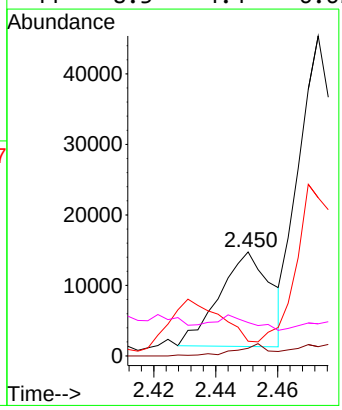


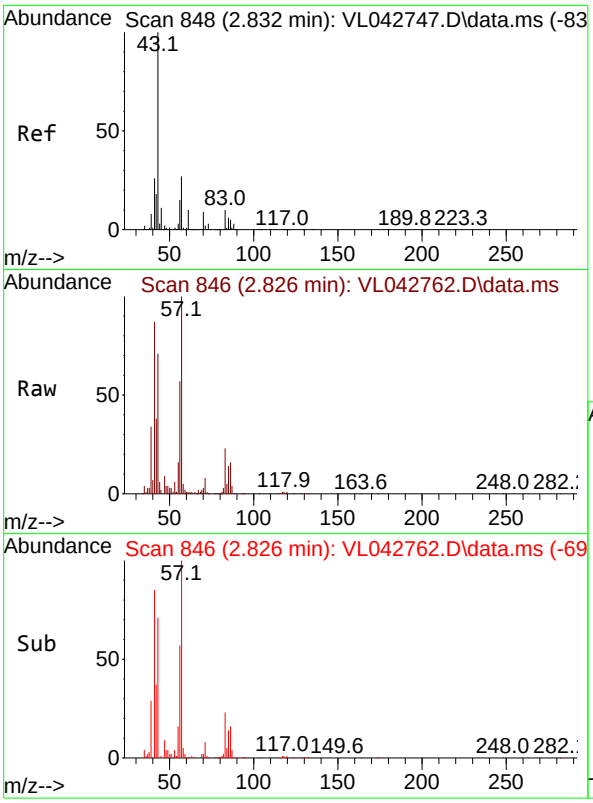


#23
Vinyl Acetate
Concen: 0.596 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.010 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 15385

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.1	9.1
42	0.0	7.8	11.8#
44	8.3	4.4	6.6#



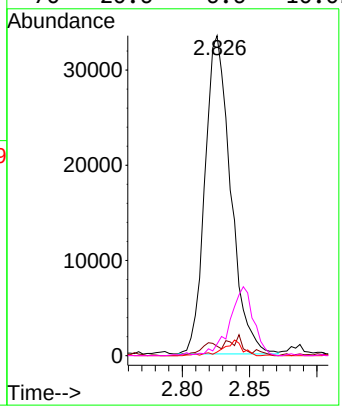


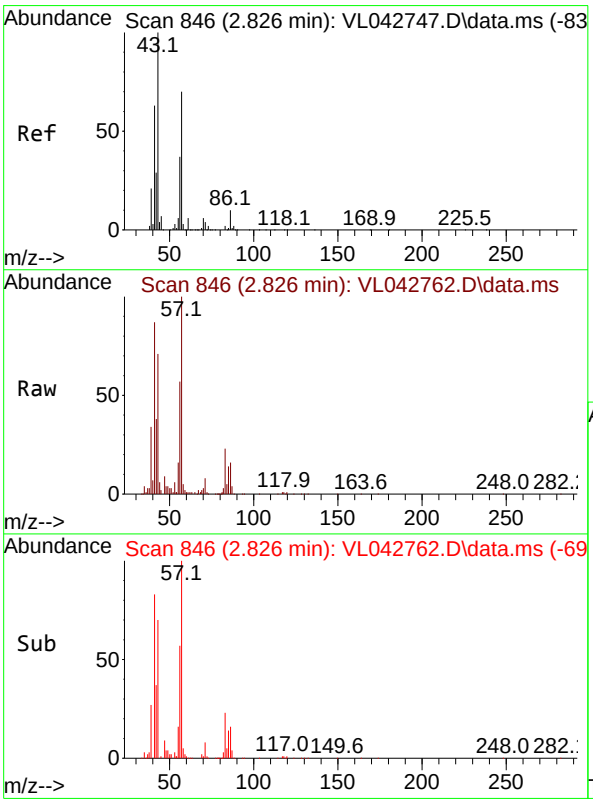
#25
Ethyl Acetate
Concen: 0.940 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 43 Resp: 44338

Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.8	11.6
61	3.7	6.7	10.1#
70	20.6	6.6	10.0#

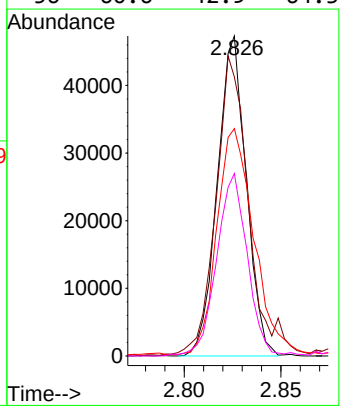


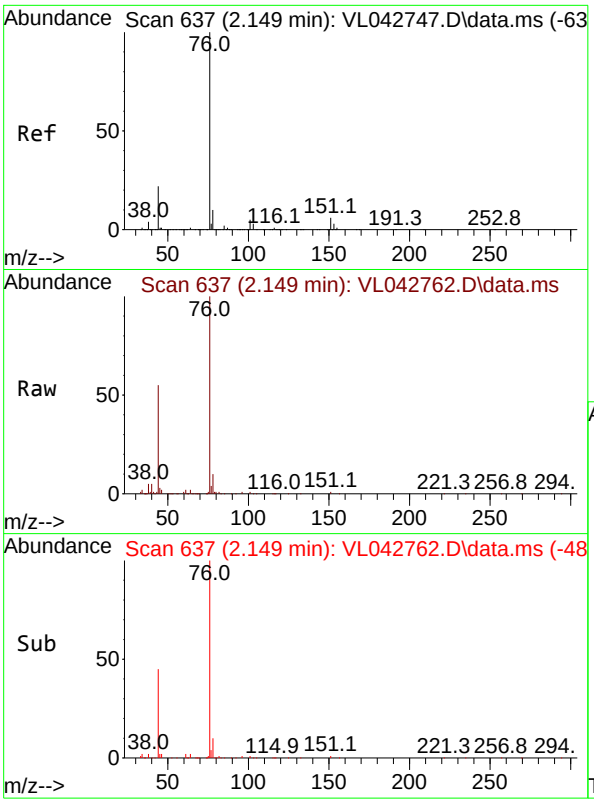


#26
Hexane
Concen: 2.376 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 57 Resp: 49153

Ion	Ratio	Lower	Upper
57	100		
41	105.4	75.4	113.2
43	90.6	185.0	277.6#
56	60.6	42.9	64.3



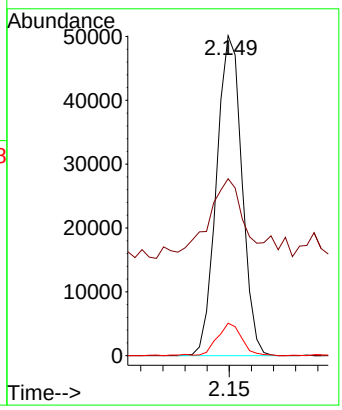


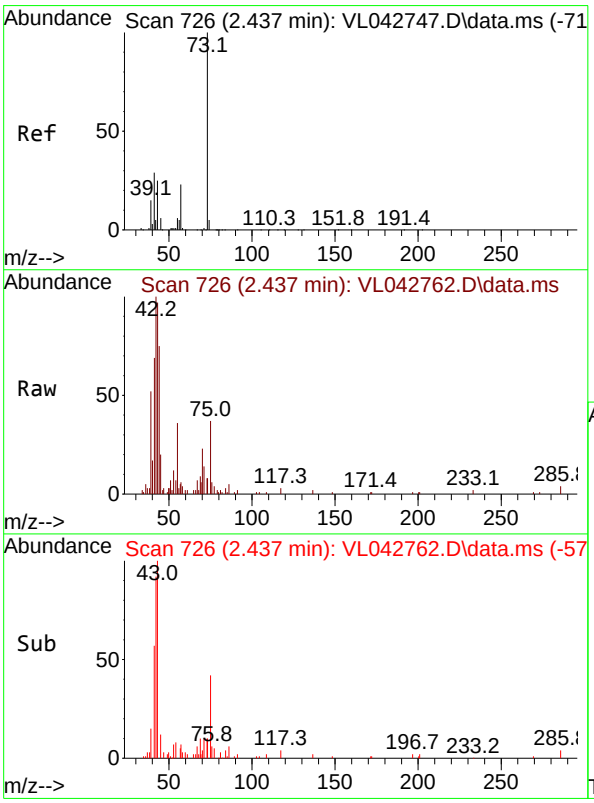
#27
Carbon Disulfide
Concen: 2.261 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 76 Resp: 40051

Ion	Ratio	Lower	Upper
76	100		
44	126.2	19.3	28.9#
78	10.1	9.9	14.9

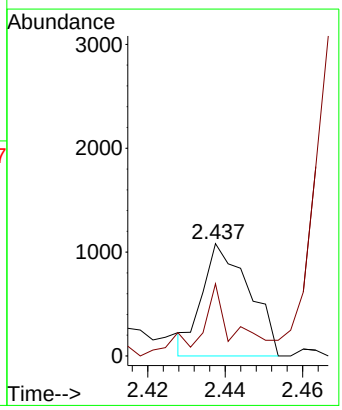


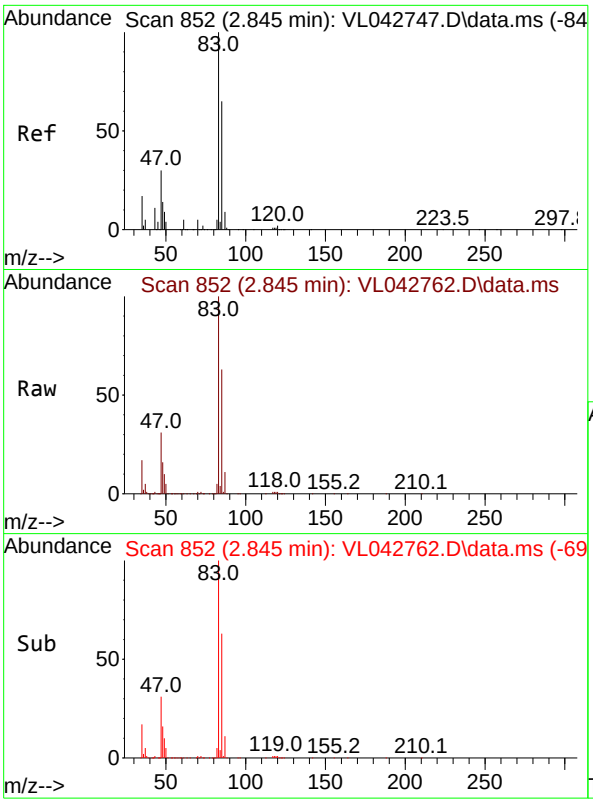


#28
Methyl tert-Butyl Ether
Concen: 0.093 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 73 Resp: 909

Ion	Ratio	Lower	Upper
73	100		
57	592.3	19.8	29.8#



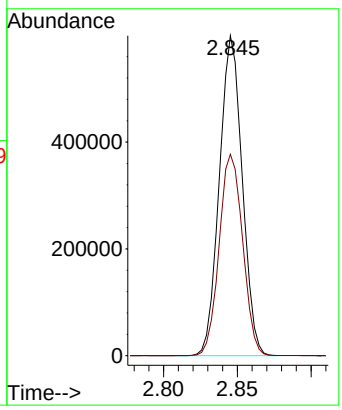


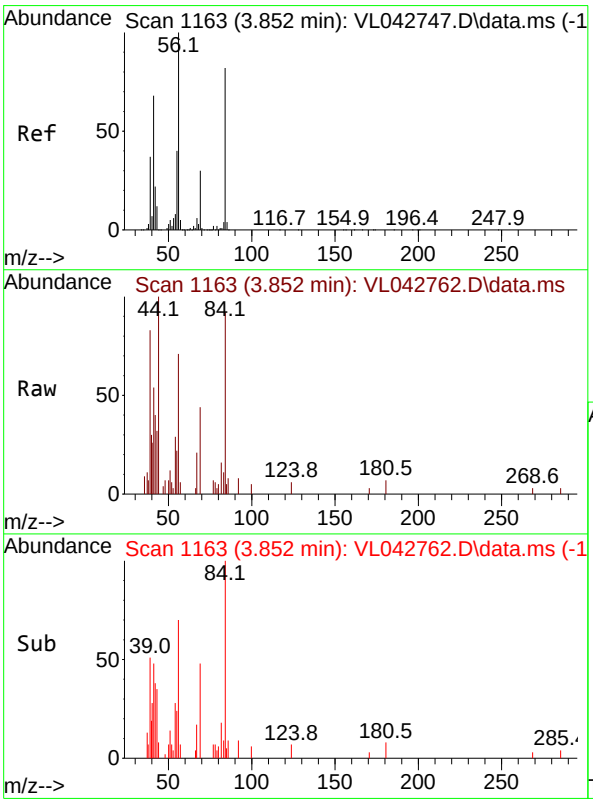
#29
Chloroform
Concen: 20.193 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 83 Resp: 645551

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.2

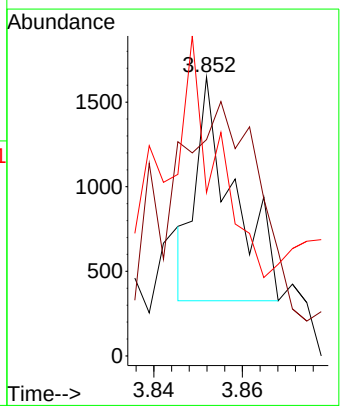


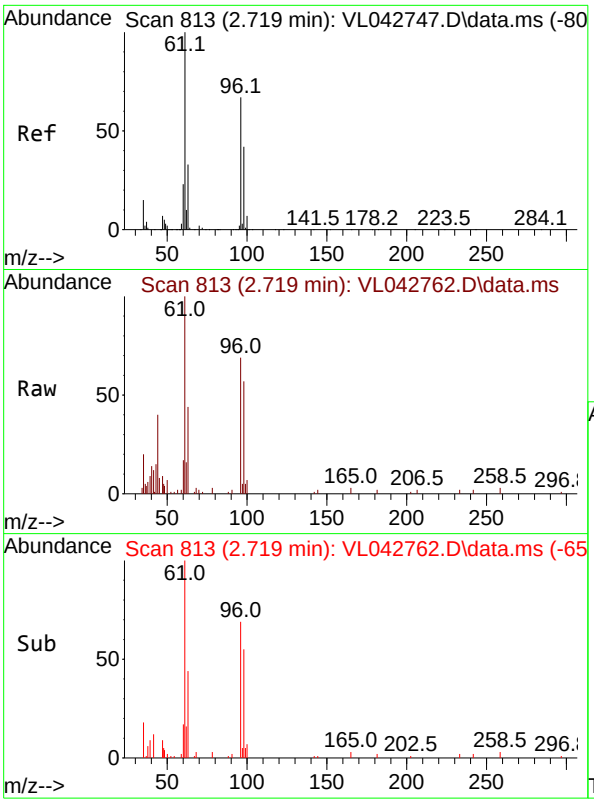


#30
Cyclohexane
Concen: 0.044 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 84 Resp: 773

Ion	Ratio	Lower	Upper
84	100		
56	372.3	97.5	146.3#
41	404.4	67.2	100.8#



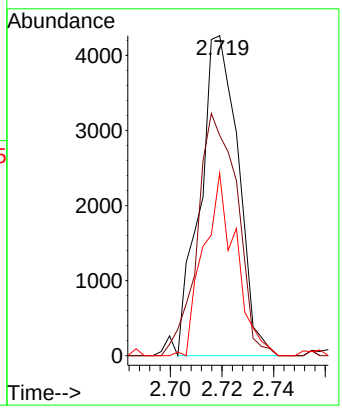


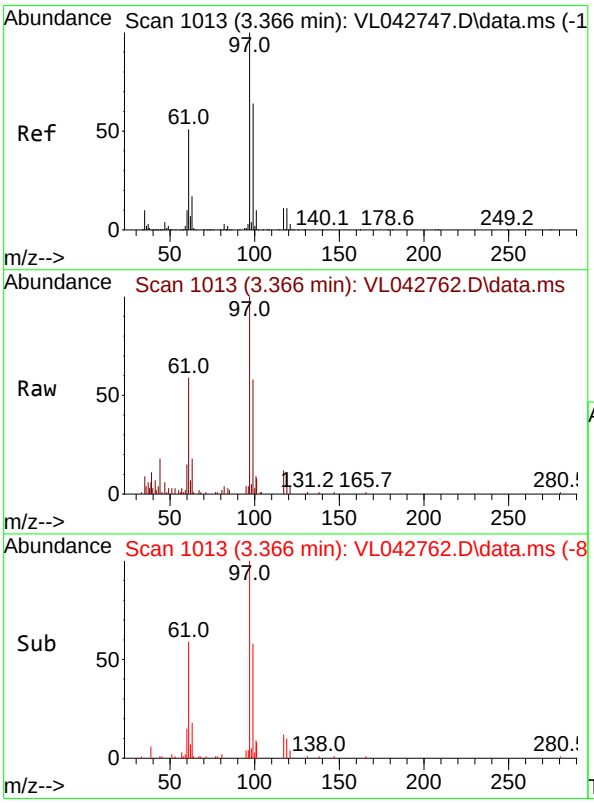
#31
cis-1,2-Dichloroethene
Concen: 0.205 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 61 Resp: 4361

Ion	Ratio	Lower	Upper
61	100		
96	68.9	53.5	80.3
98	57.0	33.6	50.4#

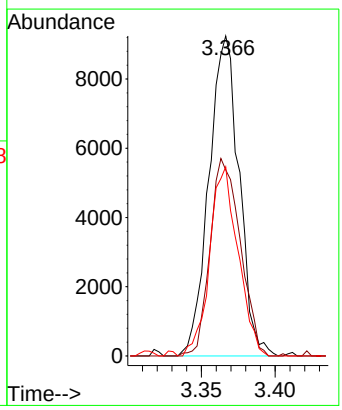


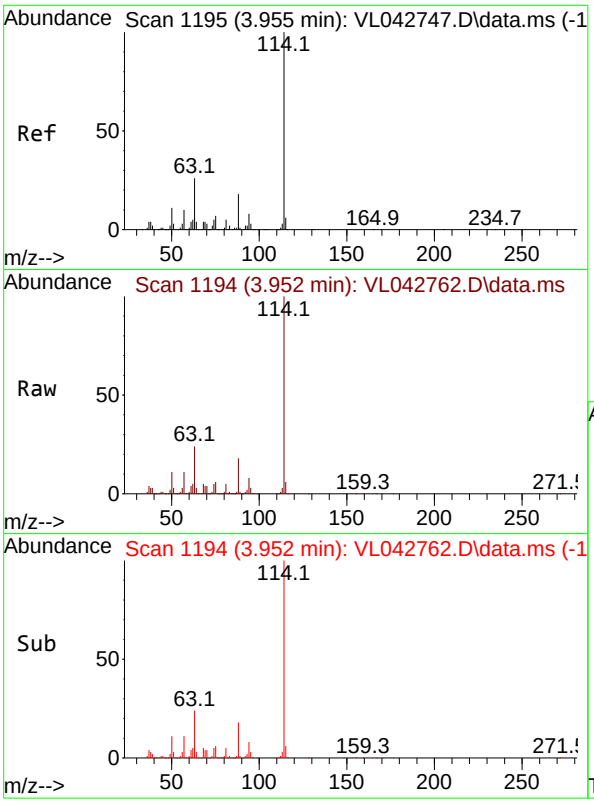


#32
1,1,1-Trichloroethane
Concen: 0.395 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 97 Resp: 13146

Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.6
61	56.5	40.9	61.3



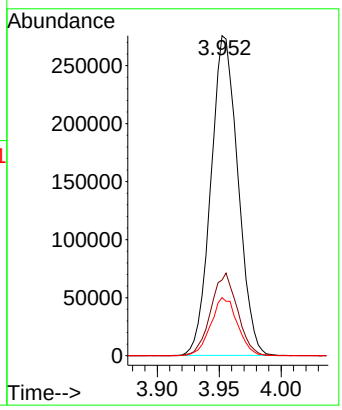


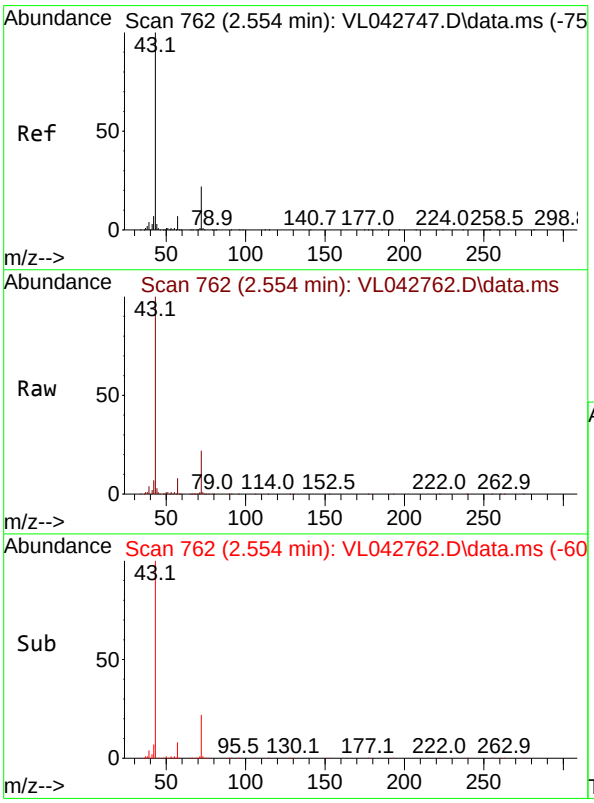
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:114 Resp: 419540

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.9	14.0	21.0

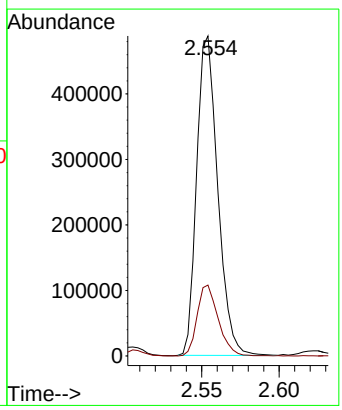


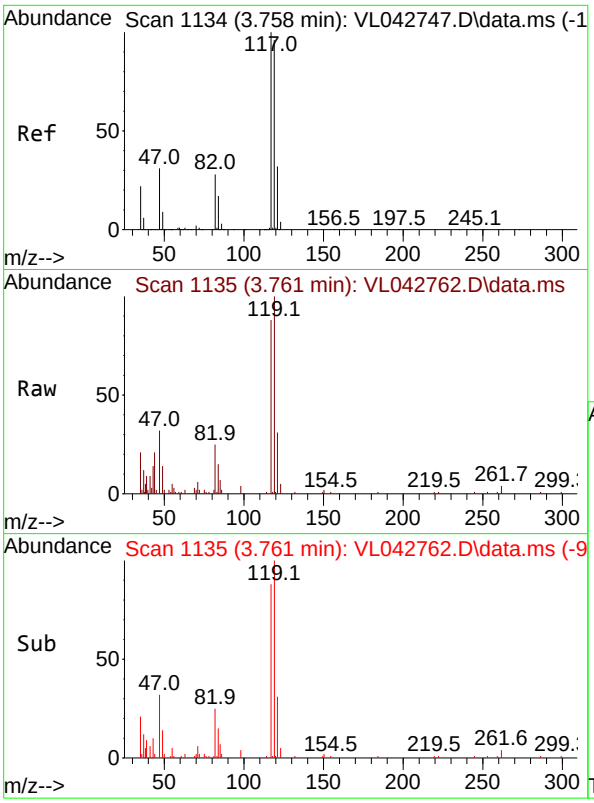


#34
2-Butanone
Concen: 15.535 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 43 Resp: 461666

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.4	26.0



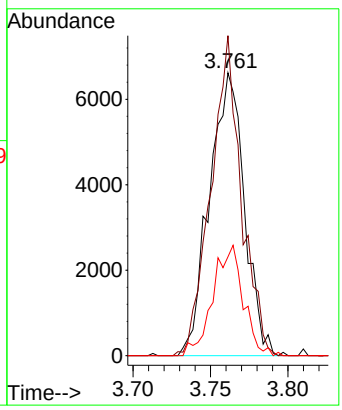


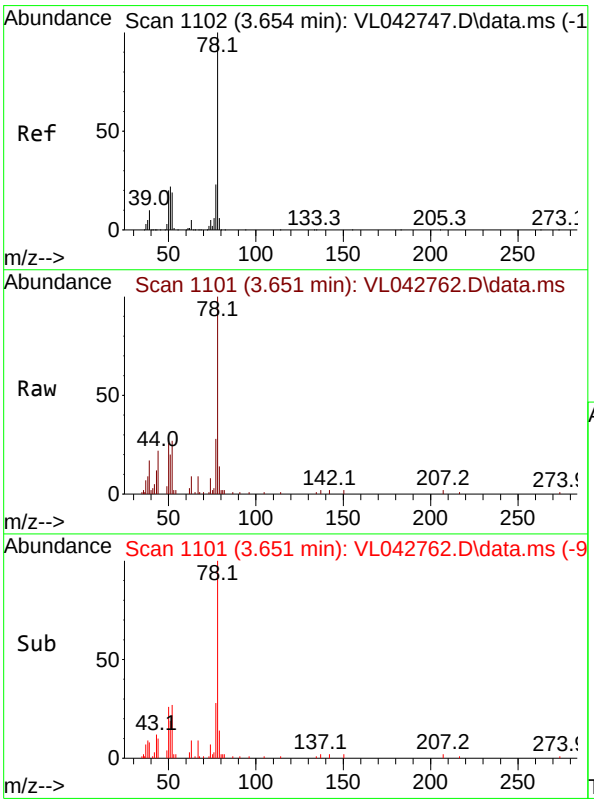
#35
Carbon Tetrachloride
Concen: 0.333 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:117 Resp: 10371

Ion	Ratio	Lower	Upper
117	100		
119	113.1	77.1	115.7
121	35.0	25.5	38.3

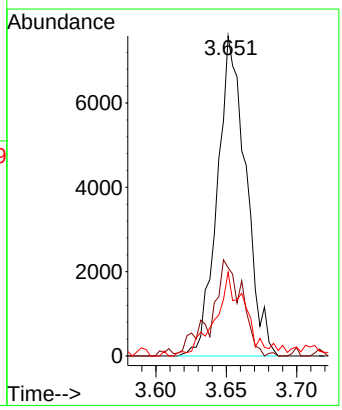


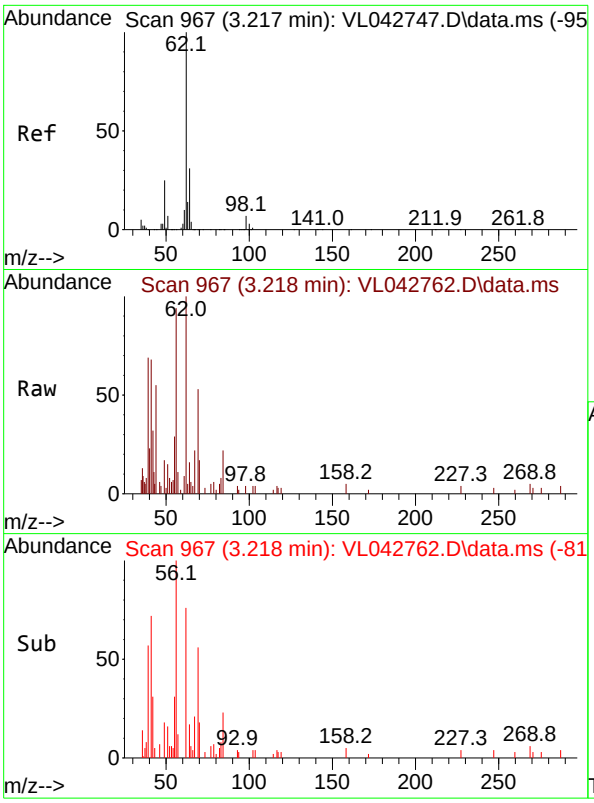


#36
Benzene
Concen: 0.270 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 78 Resp: 10733

Ion	Ratio	Lower	Upper
78	100		
77	27.6	18.5	27.7
50	25.2	16.2	24.2#



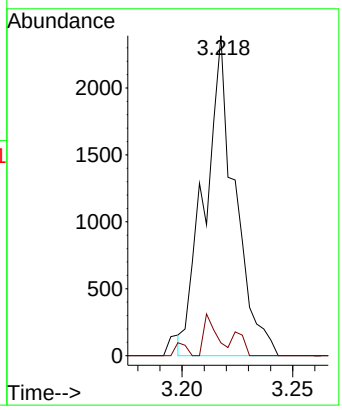


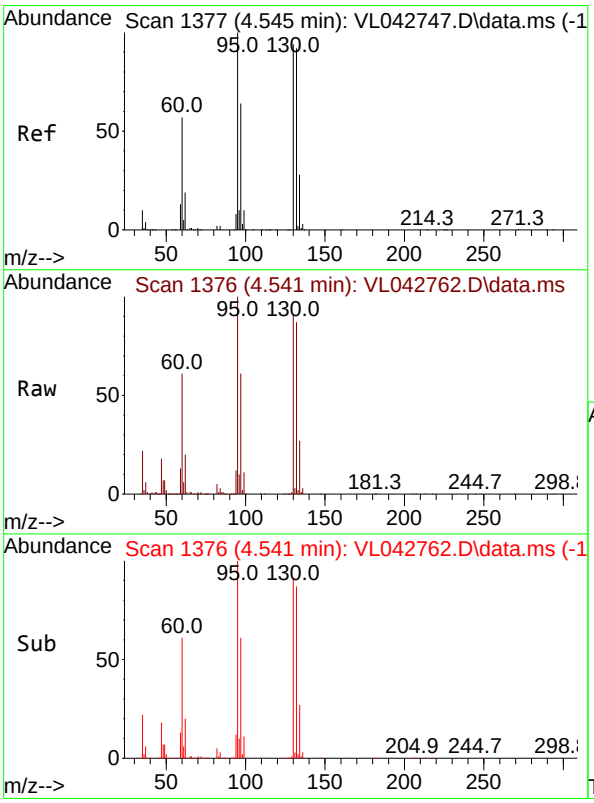
#37
1,2-Dichloroethane
Concen: 0.095 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 62 Resp: 2275

Ion	Ratio	Lower	Upper
62	100		
98	9.9	5.2	7.8#

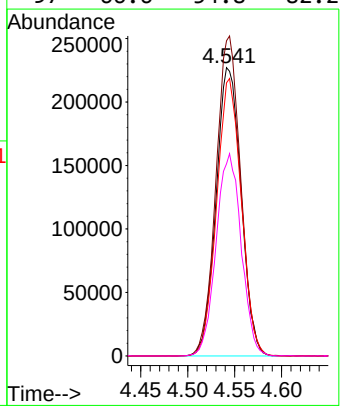


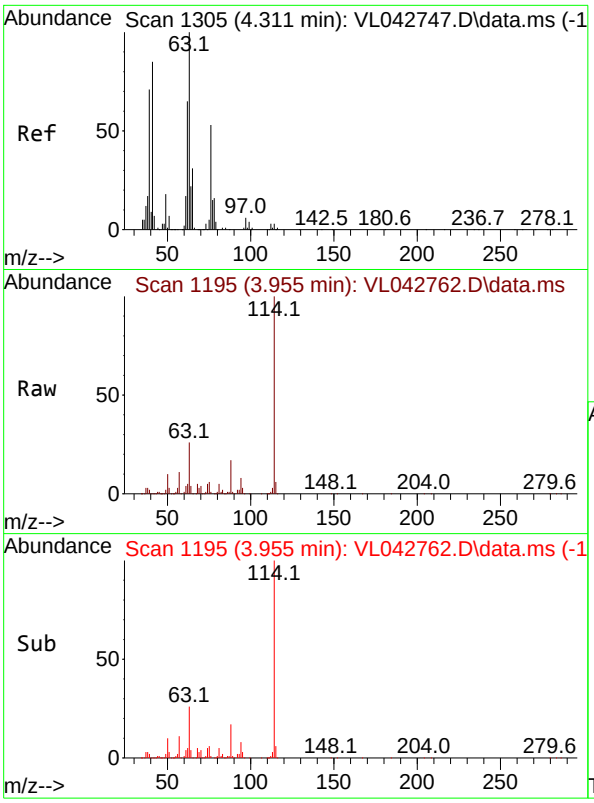


#38
Trichloroethene
Concen: 22.037 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:130 Resp: 420946

Ion	Ratio	Lower	Upper
130	100		
95	109.3	85.4	128.2
132	94.7	78.2	117.2
97	66.6	54.8	82.2



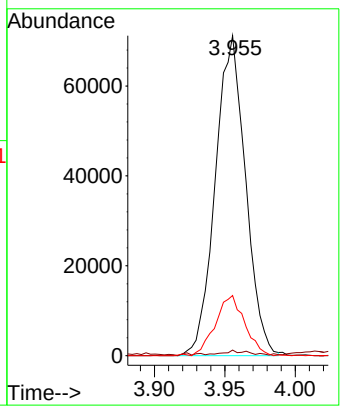


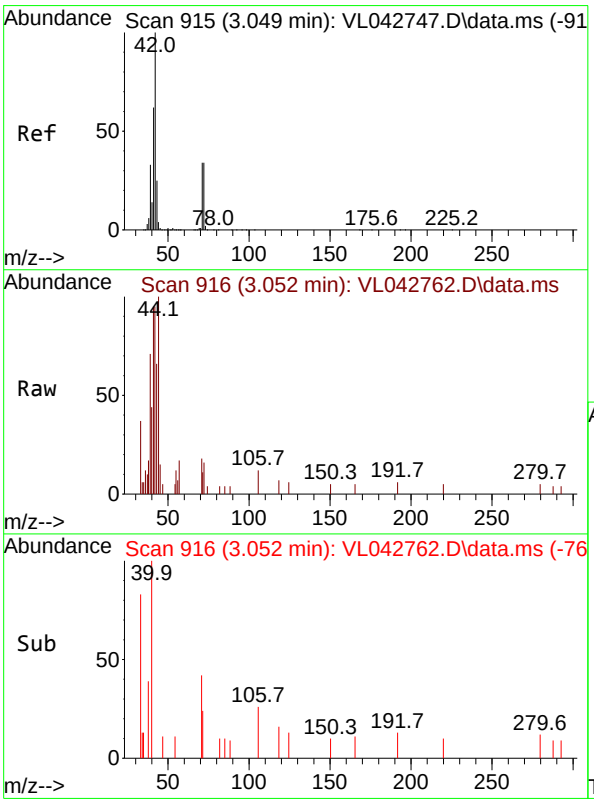
#39
1,2-Dichloropropane
Concen: 7.247 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.356 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 63 Resp: 106360

Ion	Ratio	Lower	Upper
63	100		
41	1.7	68.2	102.4#
62	18.6	52.0	78.0#

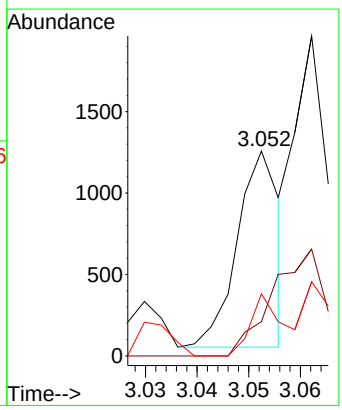


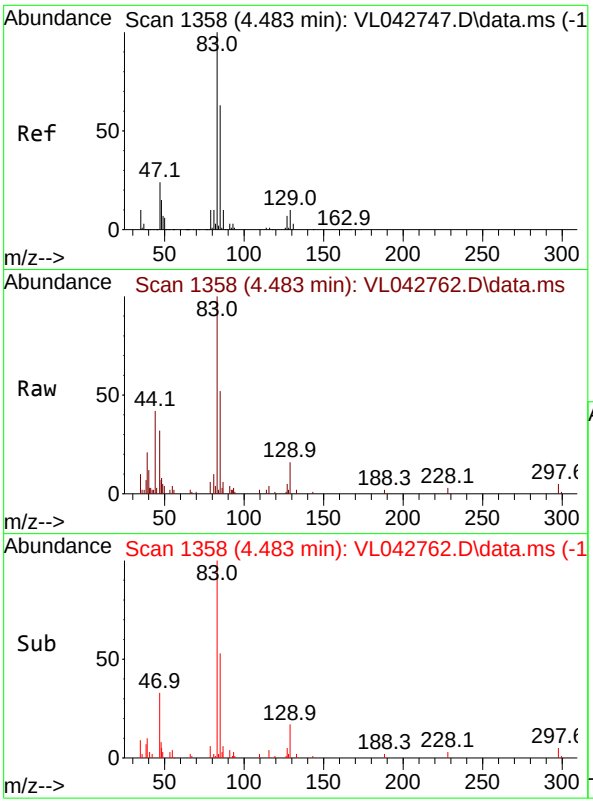


#41
Tetrahydrofuran
Concen: 0.045 ppbv
RT: 3.052 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 42 Resp: 687

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	87.3	28.6	43.0#



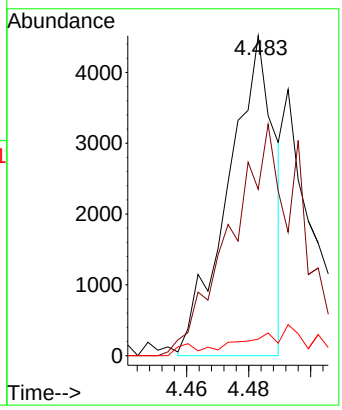


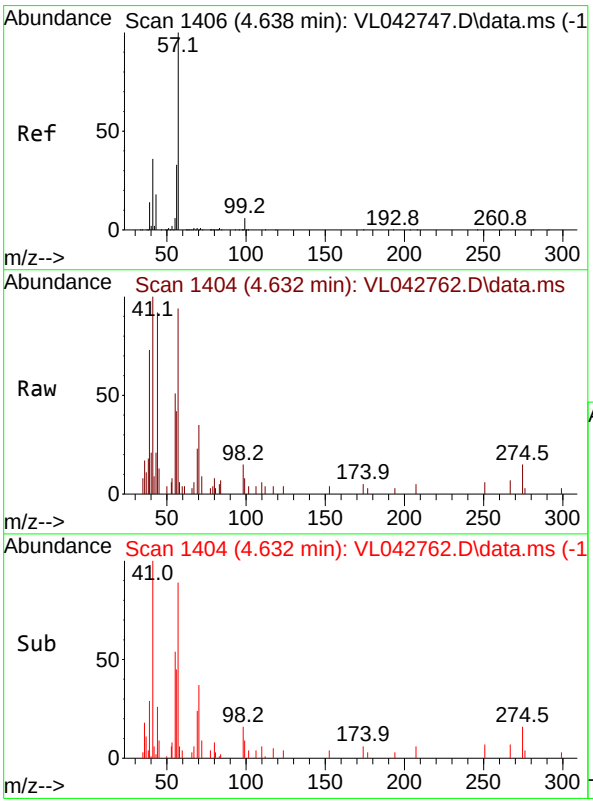
#42
Bromodichloromethane
Concen: 0.150 ppbv
RT: 4.483 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 83 Resp: 4682

Ion	Ratio	Lower	Upper
83	100		
85	47.6	50.2	75.4#
127	2.5	5.4	8.2#

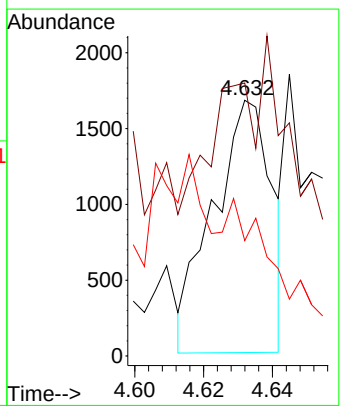


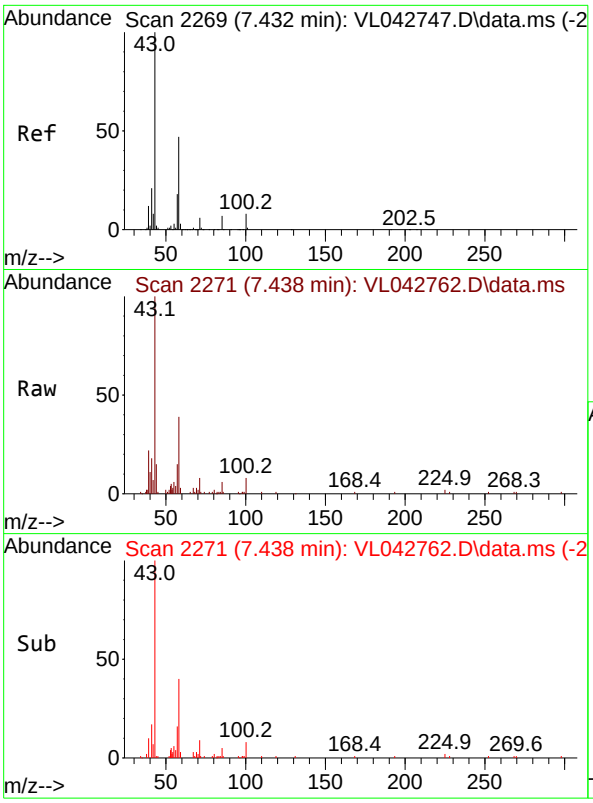


#44
2,2,4-Trimethylpentane
Concen: 0.030 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 57 Resp: 1960

Ion	Ratio	Lower	Upper
57	100		
41	305.5	28.3	42.5#
56	0.0	25.8	38.6#



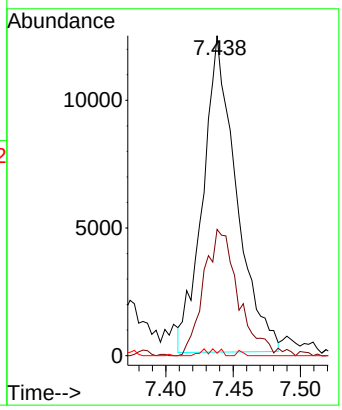


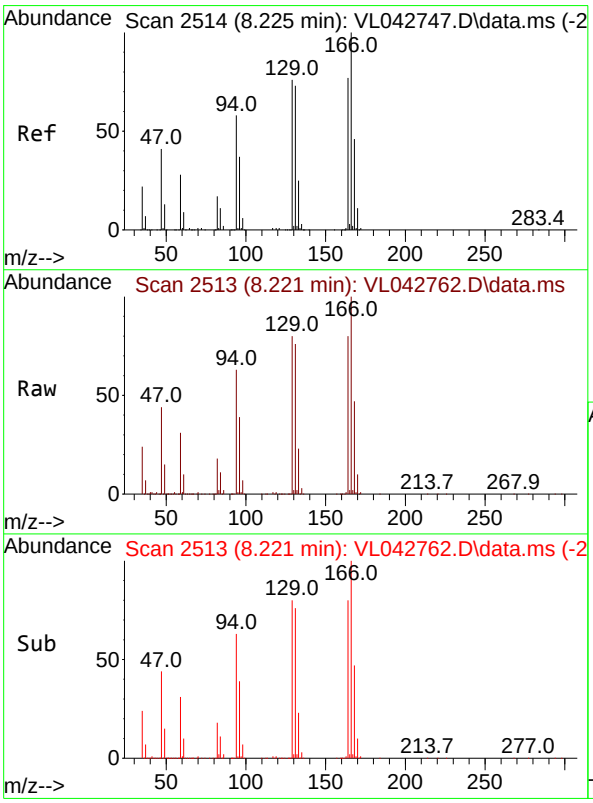
#51
2-Hexanone
Concen: 0.739 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 43 Resp: 21380

Ion	Ratio	Lower	Upper
43	100		
58	42.0	38.0	57.0
98	1.4	0.2	0.4#

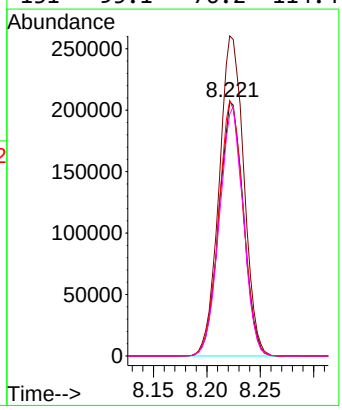


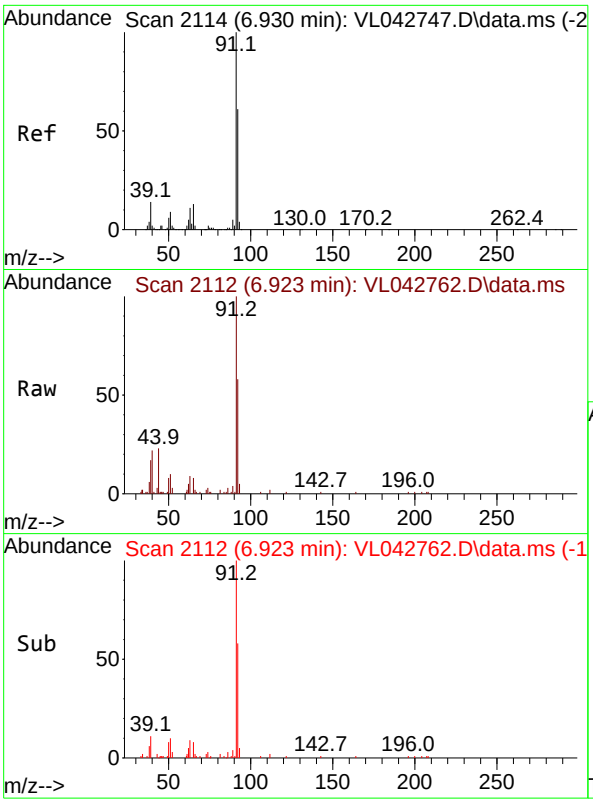


#52
Tetrachloroethene
Concen: 19.975 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:164 Resp: 329198

Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.0	156.0
129	100.4	79.2	118.8
131	95.1	76.2	114.4



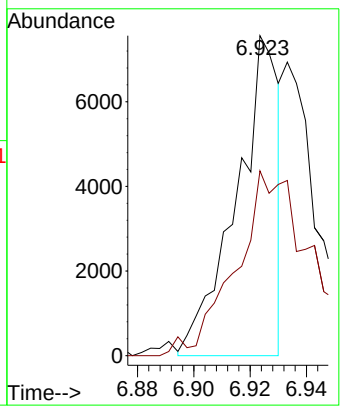


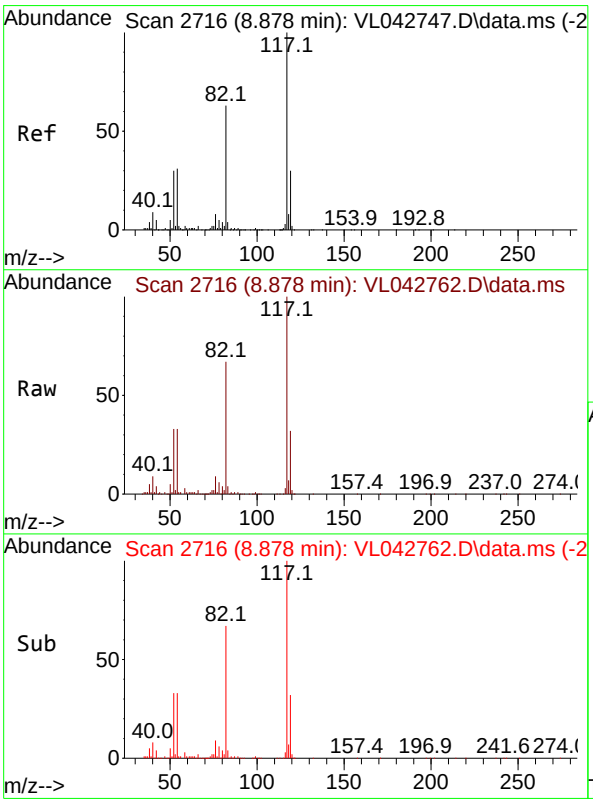
#53
Toluene
Concen: 0.185 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 91 Resp: 7882

Ion	Ratio	Lower	Upper
91	100		
92	99.6	48.0	72.0#

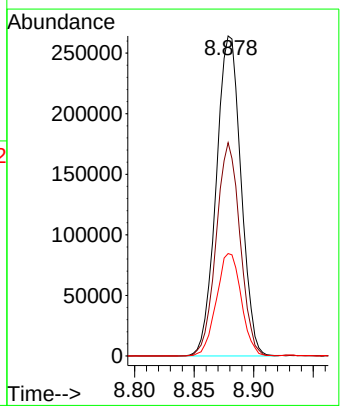


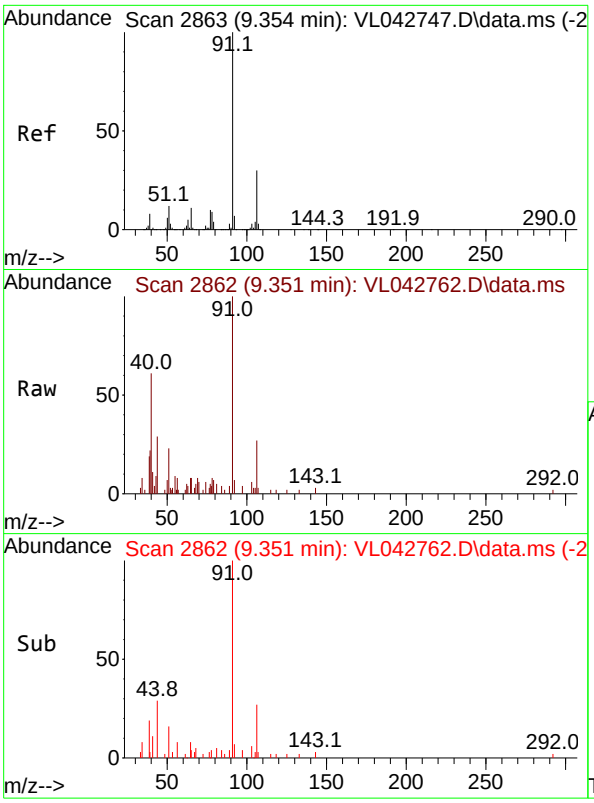


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:117 Resp: 381810

Ion	Ratio	Lower	Upper
117	100		
82	64.4	53.3	79.9
119	32.4	25.8	38.6



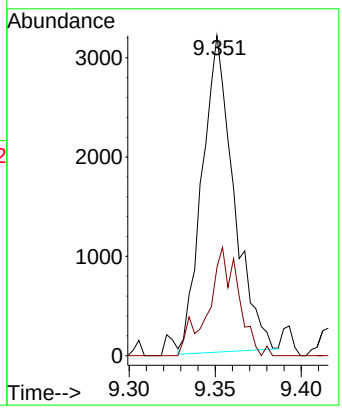


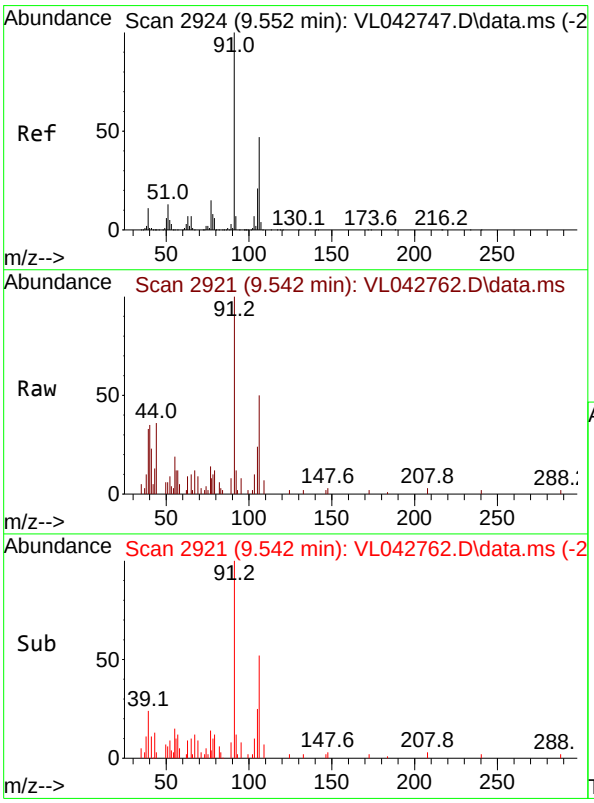
#58
Ethyl Benzene
Concen: 0.068 ppbv
RT: 9.351 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 91 Resp: 4079

Ion	Ratio	Lower	Upper
91	100		
106	28.1	23.8	35.6

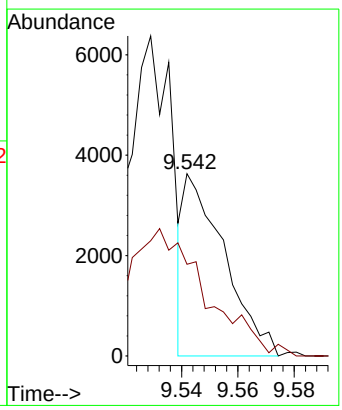


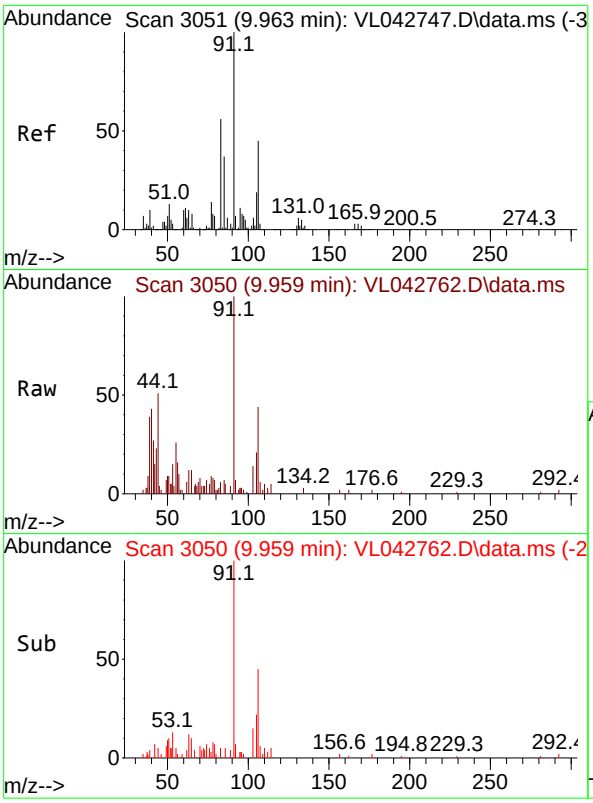


#59
m/p-Xylene
Concen: 0.076 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. -0.010 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 91 Resp: 3642

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#



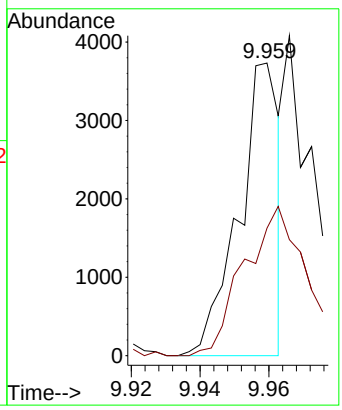


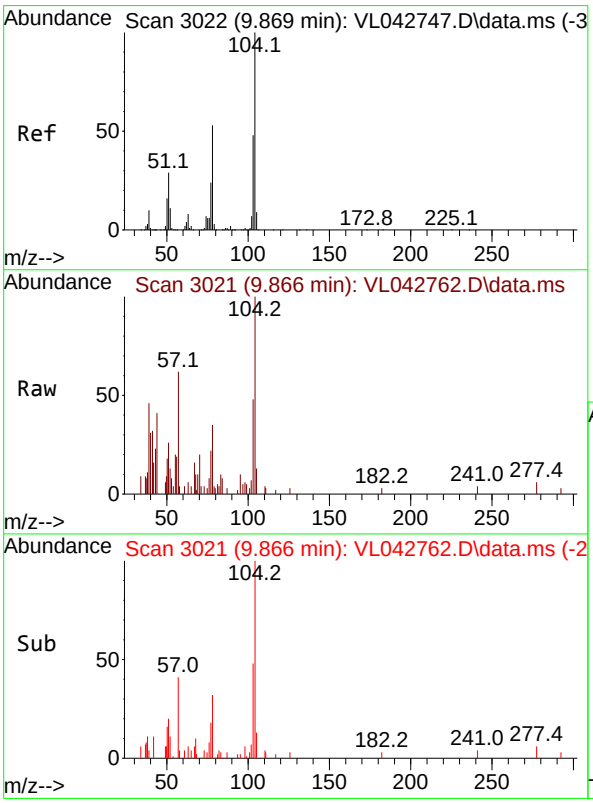
#60
o-Xylene
Concen: 0.063 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion: 91 Resp: 3034

Ion	Ratio	Lower	Upper
91	100		
106	80.4	22.0	66.0#

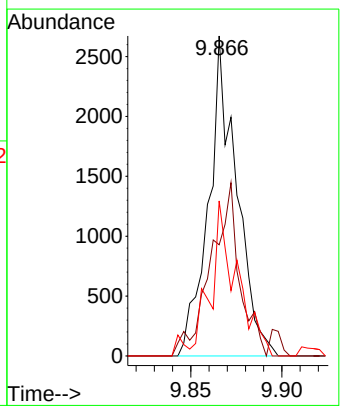


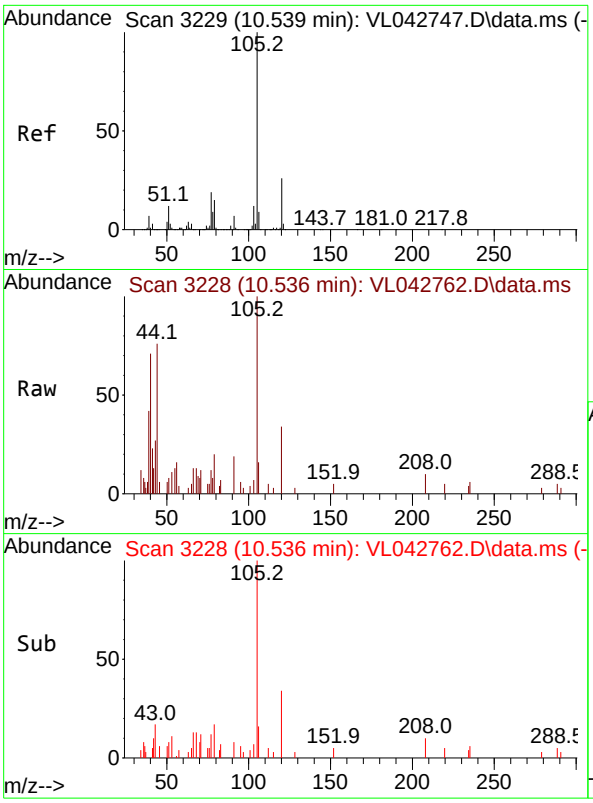


#61
Styrene
Concen: 0.141 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:104 Resp: 2858

Ion	Ratio	Lower	Upper
104	100		
78	59.1	41.5	62.3
103	46.7	37.5	56.3



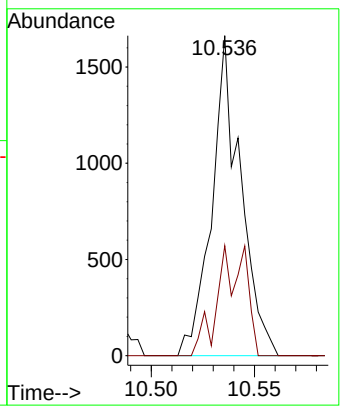


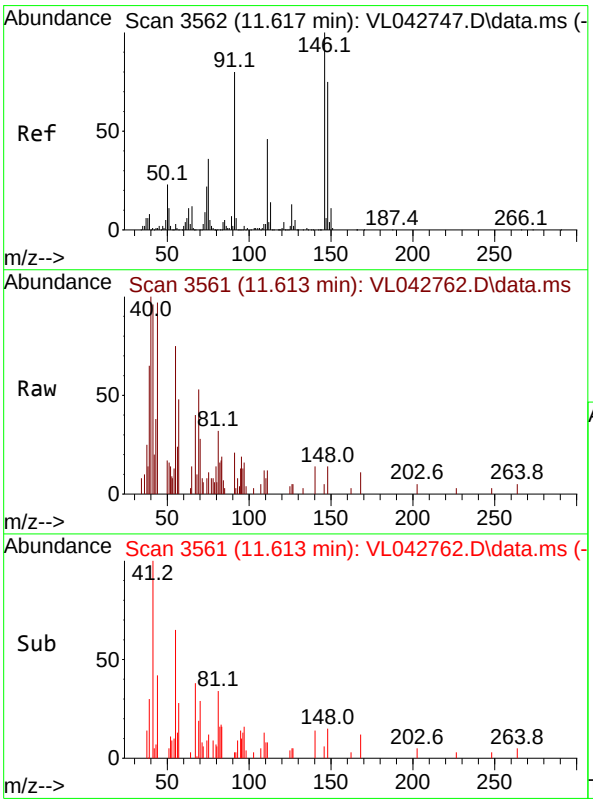
#62
Isopropylbenzene
Concen: 0.023 ppbv
RT: 10.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:105 Resp: 1611

Ion	Ratio	Lower	Upper
105	100		
120	33.5	20.5	30.7#

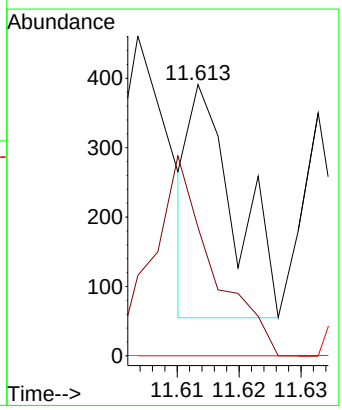


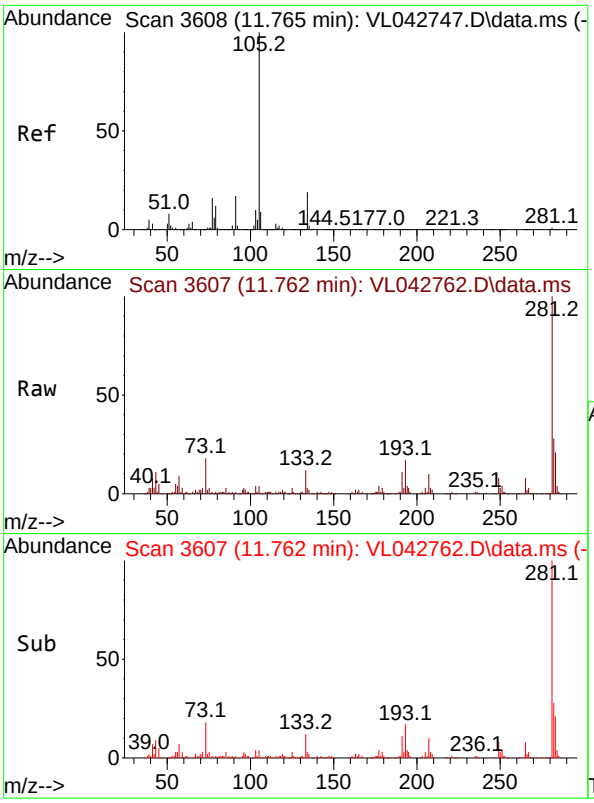


#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 91 Resp: 170

Ion	Ratio	Lower	Upper
91	100		
126	186.5	14.4	21.6#
128	0.0	5.2	7.8#



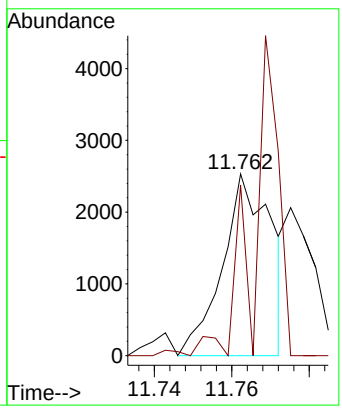


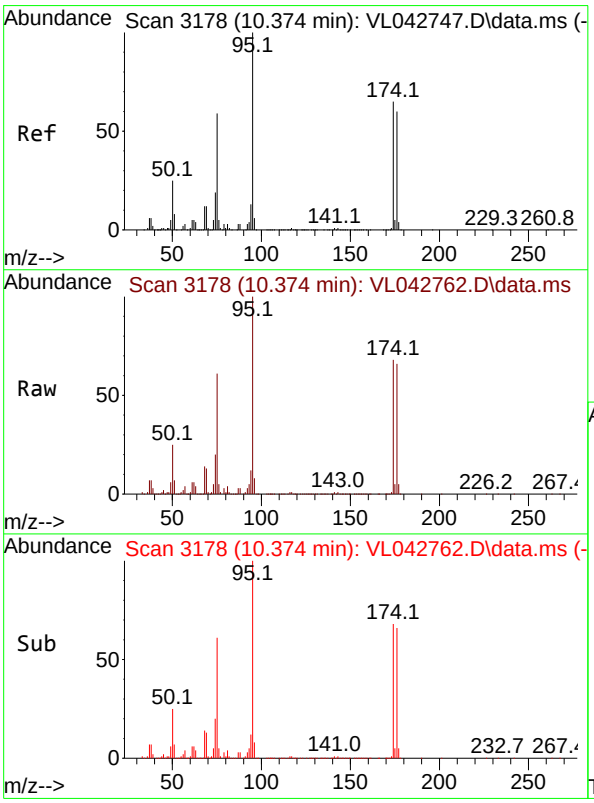
#67
sec-Butylbenzene
Concen: 0.025 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:105 Resp: 2221

Ion	Ratio	Lower	Upper
105	100		
134	96.2	15.5	23.3#

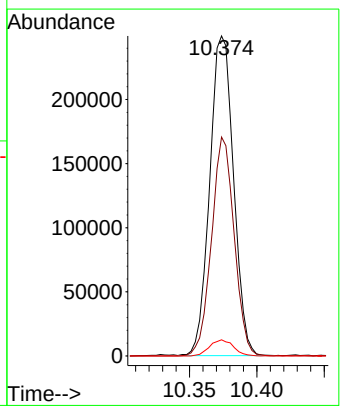


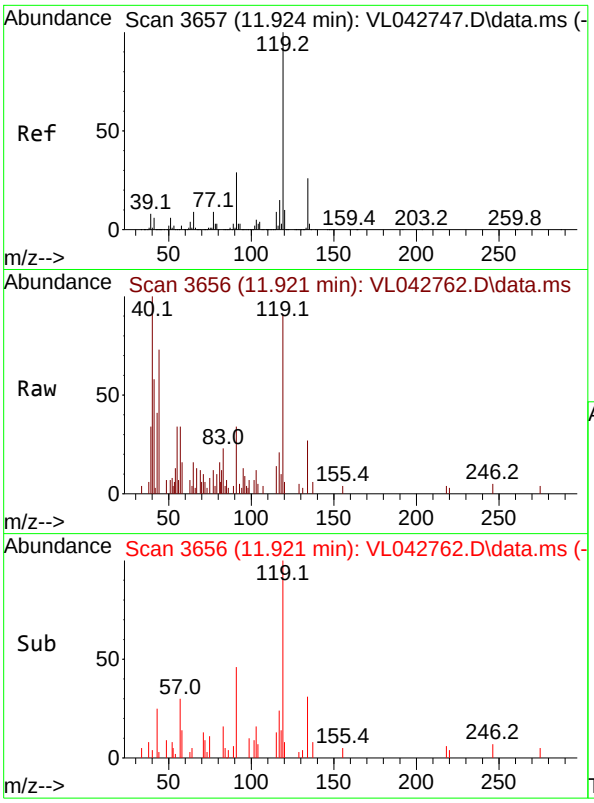


#68
1-Bromo-4-Fluorobenzene
Concen: 10.141 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion: 95 Resp: 306627

Ion	Ratio	Lower	Upper
95	100		
174	65.2	53.8	80.6
175	5.1	4.0	6.0



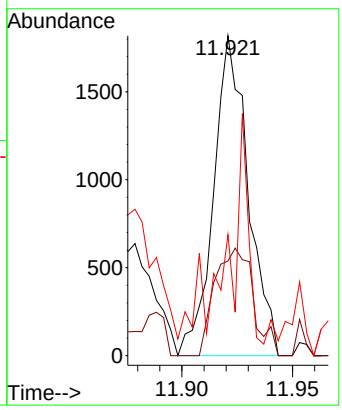


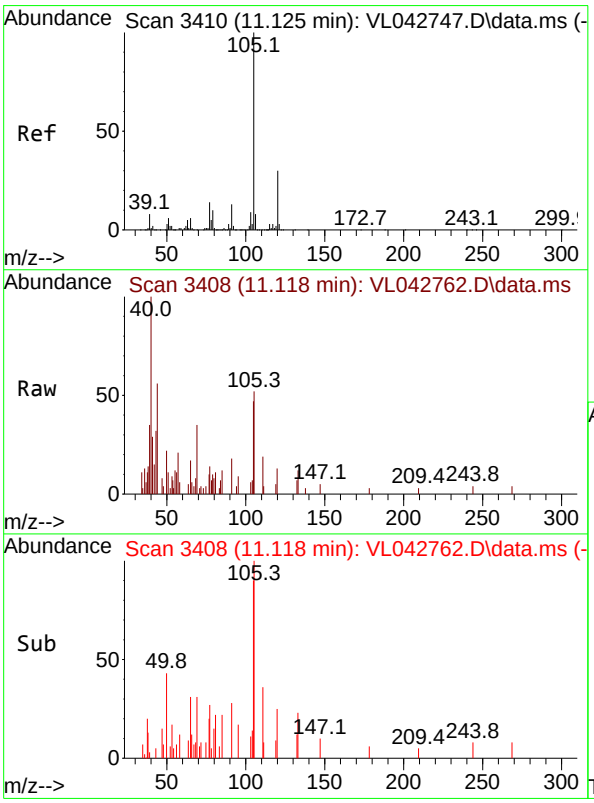
#69
p-Isopropyltoluene
Concen: 0.027 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:119 Resp: 1977

Ion	Ratio	Lower	Upper
119	100		
134	39.8	20.6	31.0#
91	50.5	23.2	34.8#

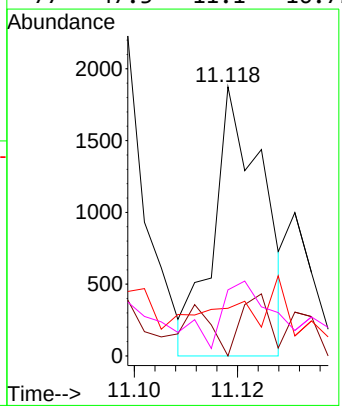


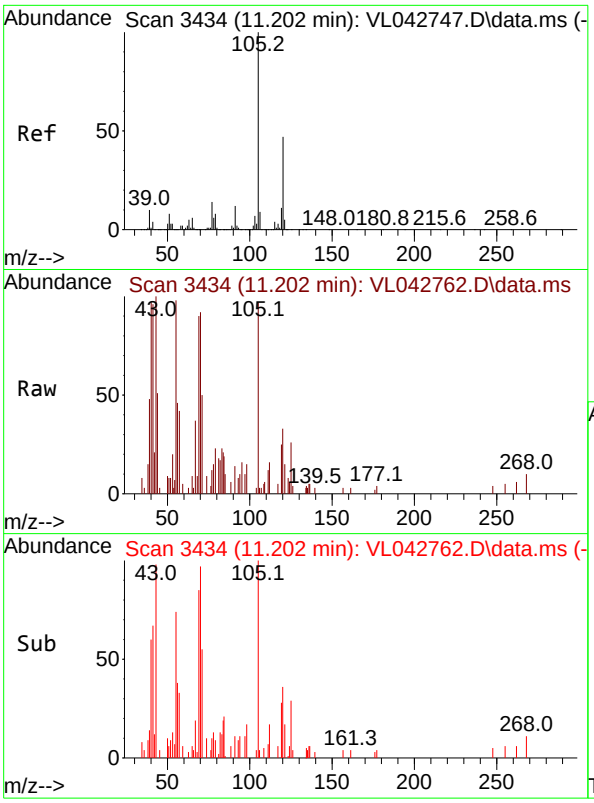


#72
4-Ethyltoluene
Concen: 0.022 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.006 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:105 Resp: 1240

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.4	36.6#
91	0.0	10.6	15.8#
77	47.3	11.1	16.7#



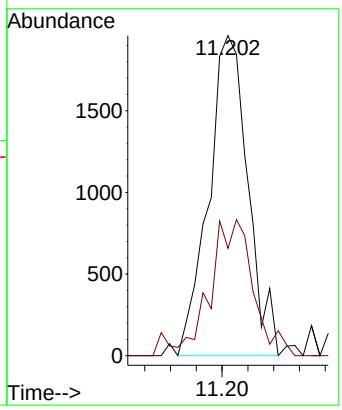


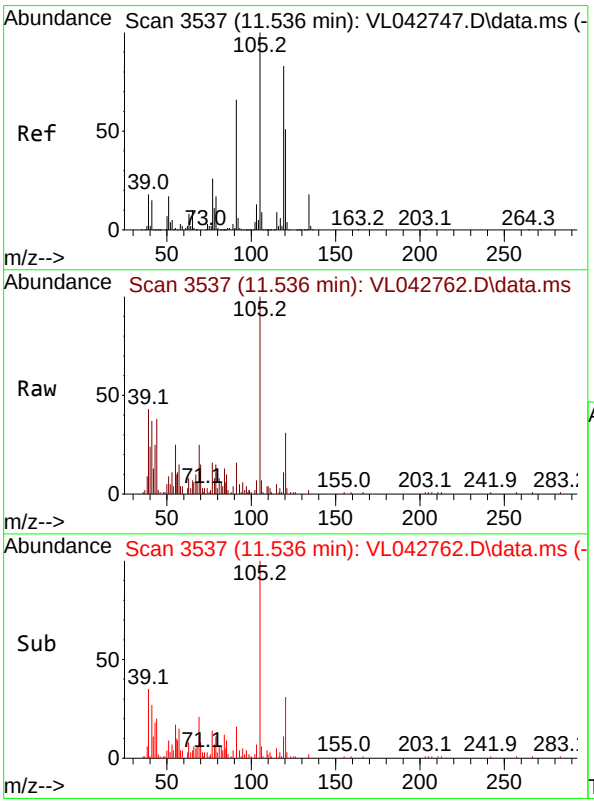
#73
1,3,5-Trimethylbenzene
Concen: 0.044 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:105 Resp: 2074

Ion	Ratio	Lower	Upper
105	100		
120	30.9	37.8	56.8#

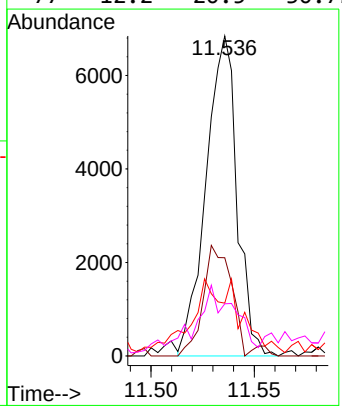


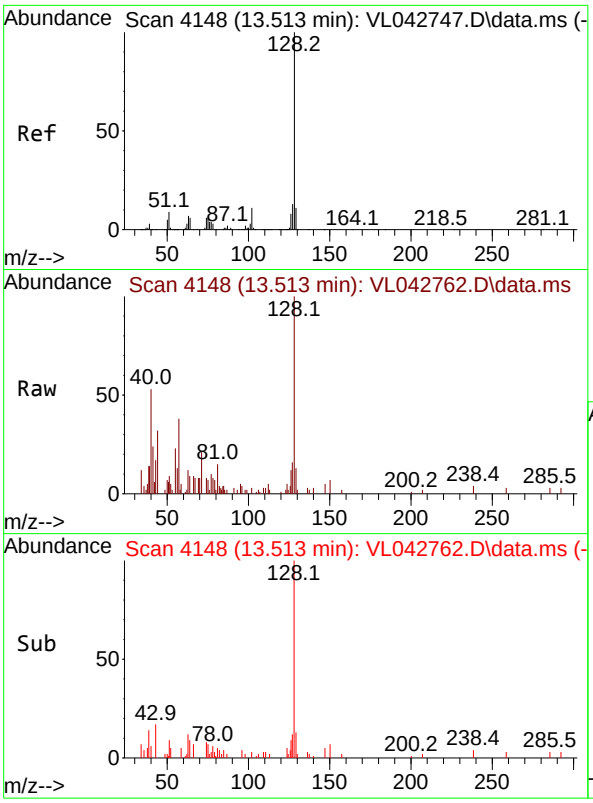


#74
1,2,4-Trimethylbenzene
Concen: 0.138 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:105 Resp: 7139

Ion	Ratio	Lower	Upper
105	100		
120	30.7	40.8	61.2#
91	13.8	53.0	79.4#
77	12.2	20.5	30.7#



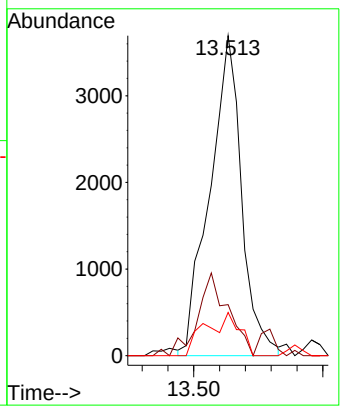


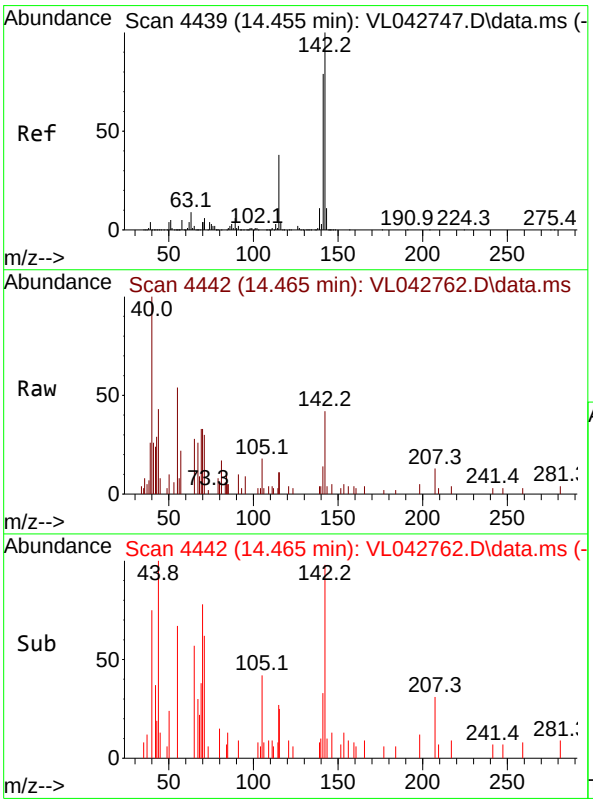
#79
Naphthalene
Concen: 0.489 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:128 Resp: 3165

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	13.7	8.6	13.0#

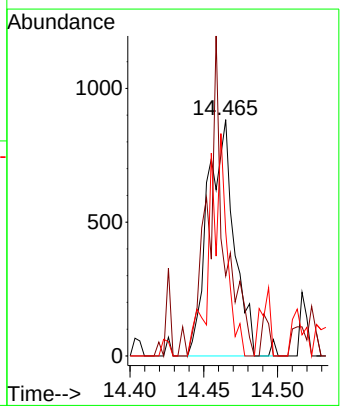


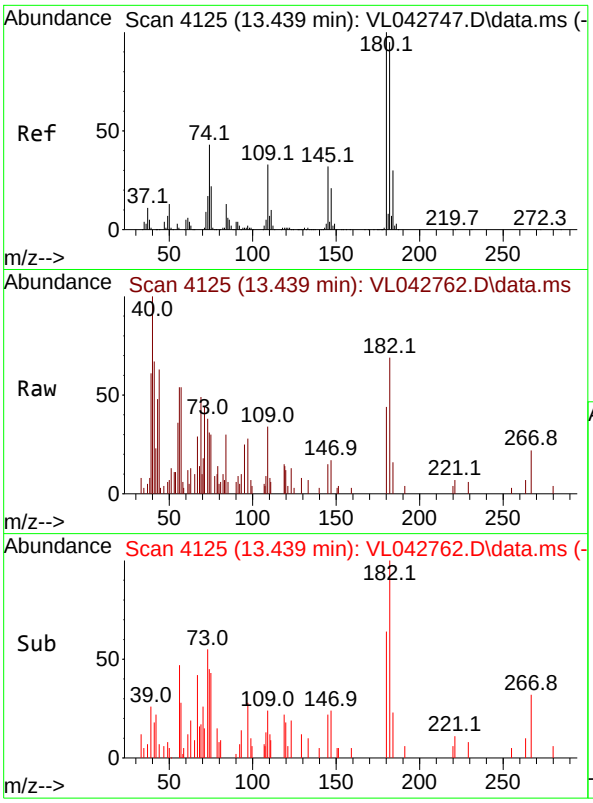


#80
Naphthalene,2-methyl-
Concen: 1.164 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.010 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Tgt Ion:142 Resp: 1112

Ion	Ratio	Lower	Upper
142	100		
141	106.7	65.8	98.8#
115	61.5	31.2	46.8#



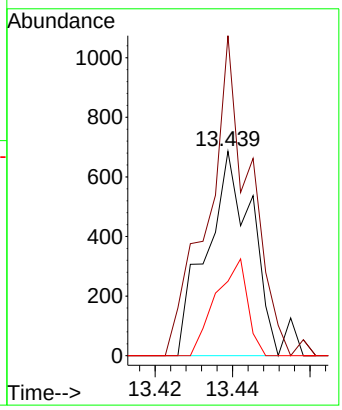


#81
1,2,4-Trichlorobenzene
Concen: 0.452 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042762.D
Acq: 24 Jul 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
118-SG2

Tgt Ion:180 Resp: 554

Ion	Ratio	Lower	Upper
180	100		
182	146.6	76.2	114.2#
184	33.4	24.8	37.2



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042763.D
Acq On : 24 Jul 2025 13:52
Operator : SY/MD
Sample : Q2671-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	152545	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	423795	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	382302	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	301001	9.942	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4755	0.236	ppbv		97
3) Chlorodifluoromethane	1.467	51	407528	15.511	ppbv	#	59
4) Chloromethane	1.535	50	9639	1.181	ppbv	#	82
7) Chloroethane	1.467	64	19389	6.225	ppbv		92
9) Propene	1.486	41	13877	1.453	ppbv		93
10) Heptane	4.985	43	1143	0.044	ppbv	#	39
11) Trichlorofluoromethane	1.881	101	2383	0.115	ppbv		85
12) 1,1,2-Trichlorotrifluo...	2.140	101	768	0.049	ppbv		90
13) Ethanol	1.722	45	38097	53.641	ppbv		90
15) Acetone	1.836	43	469831	22.305	ppbv		97
16) 1,3-Butadiene	1.603	39	8845	0.984	ppbv	#	42
17) tert-Butyl alcohol	2.046	59	4732	0.249	ppbv	#	77
19) Isopropyl Alcohol	1.887	45	22241	1.987	ppbv	#	1
20) Methylene Chloride	2.062	84	2959	0.446	ppbv		86
21) Allyl Chloride	2.043	41	1350	0.104	ppbv	#	1
23) Vinyl Acetate	2.451	43	4513	0.177	ppbv	#	88
25) Ethyl Acetate	2.829	43	6136	0.132	ppbv	#	87
26) Hexane	2.826	57	6609	0.323	ppbv	#	2
27) Carbon Disulfide	2.150	76	1455	0.083	ppbv	#	1
29) Chloroform	2.852	83	2574	0.081	ppbv		94
32) 1,1,1-Trichloroethane	3.373	97	1213	0.037	ppbv	#	68
34) 2-Butanone	2.557	43	235290	7.838	ppbv		99
36) Benzene	3.658	78	5821	0.145	ppbv	#	92
37) 1,2-Dichloroethane	3.221	62	556	0.023	ppbv	#	87
38) Trichloroethene	4.548	130	1771	0.092	ppbv	#	51
39) 1,2-Dichloropropane	3.962	63	109646	7.396	ppbv	#	21
41) Tetrahydrofuran	3.056	42	24393	1.597	ppbv	#	51
51) 2-Hexanone	7.445	43	15306	0.524	ppbv	#	98
52) Tetrachloroethene	8.225	164	5241	0.315	ppbv	#	77
53) Toluene	6.940	91	6462	0.150	ppbv		89
59) m/p-Xylene	9.555	91	1126	0.023	ppbv	#	30
60) o-Xylene	9.969	91	2415	0.050	ppbv		95
61) Styrene	9.869	104	822	0.041	ppbv	#	58
62) Isopropylbenzene	10.814	105	7688	0.108	ppbv	#	49
64) n-propylbenzene	11.060	120	525	0.028	ppbv	#	1
66) Benzyl Chloride	11.429	91	62847	12.119	ppbv	#	66
67) sec-Butylbenzene	11.772	105	3385	0.038	ppbv	#	57
69) p-Isopropyltoluene	11.924	119	3335	0.046	ppbv	#	65
71) 2-Chlorotoluene	10.869	91	2265593	41.548	ppbv	#	45
72) 4-Ethyltoluene	11.054	105	7414	0.129	ppbv	#	81
73) 1,3,5-Trimethylbenzene	11.054	105	7414	0.156	ppbv	#	41
74) 1,2,4-Trimethylbenzene	11.536	105	3016	0.058	ppbv	#	53
79) Naphthalene	13.523	128	359	0.441	ppbv	#	74

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042763.D
Acq On : 24 Jul 2025 13:52
Operator : SY/MD
Sample : Q2671-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

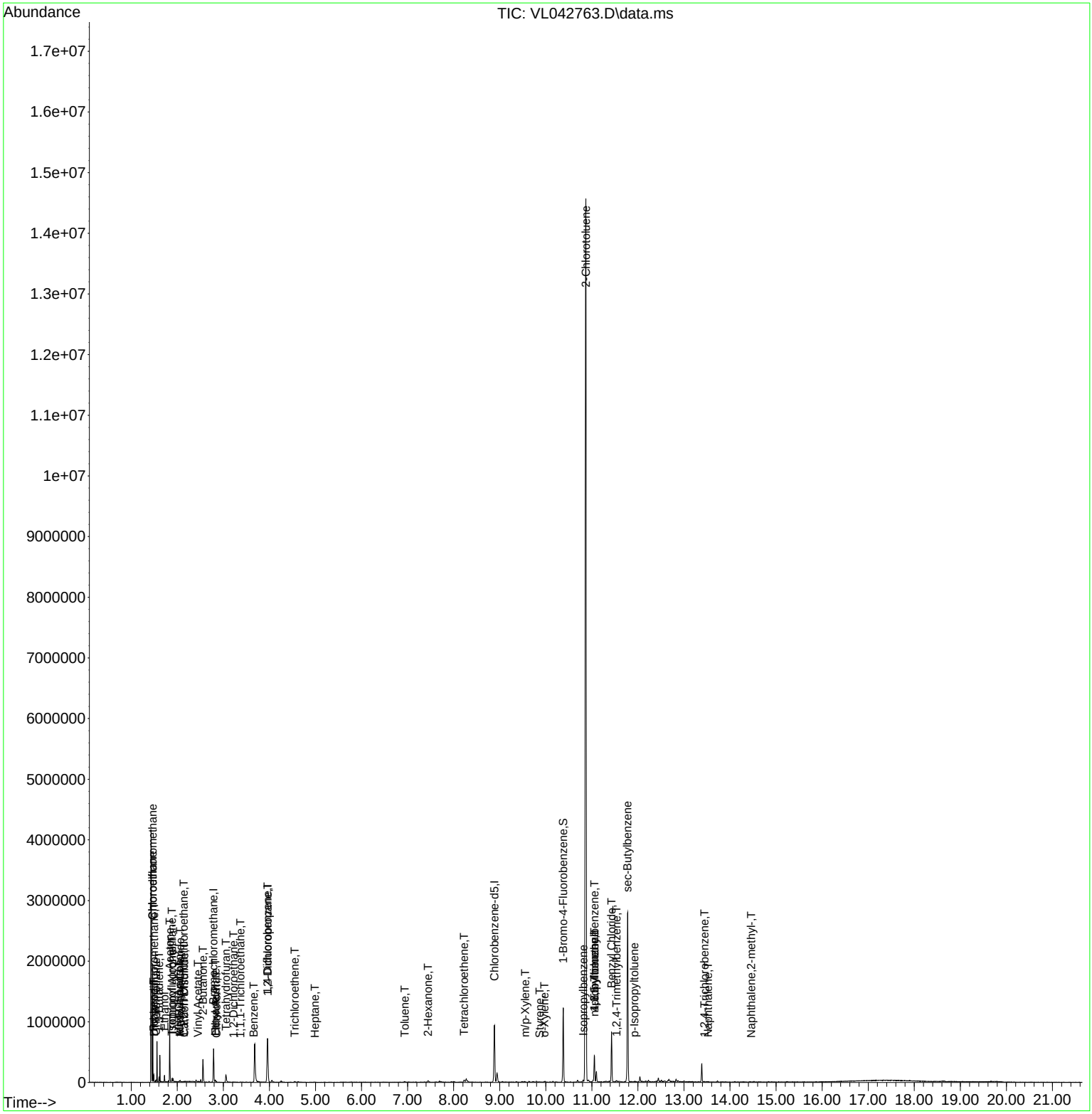
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.459	142	241	1.136	ppbv #	40
81) 1,2,4-Trichlorobenzene	13.445	180	45	0.436	ppbv #	1

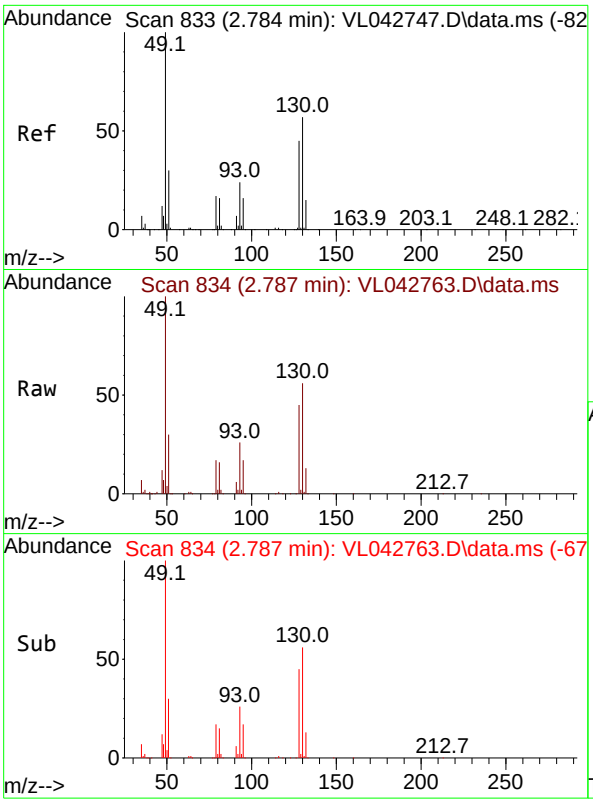
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042763.D
Acq On : 24 Jul 2025 13:52
Operator : SY/MD
Sample : Q2671-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Quant Time: Jul 25 01:26:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



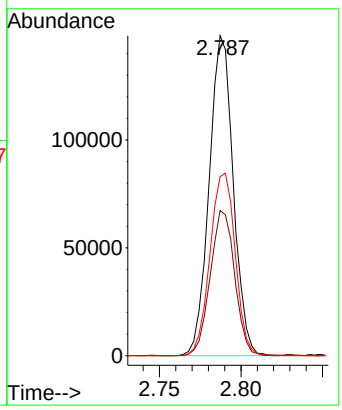


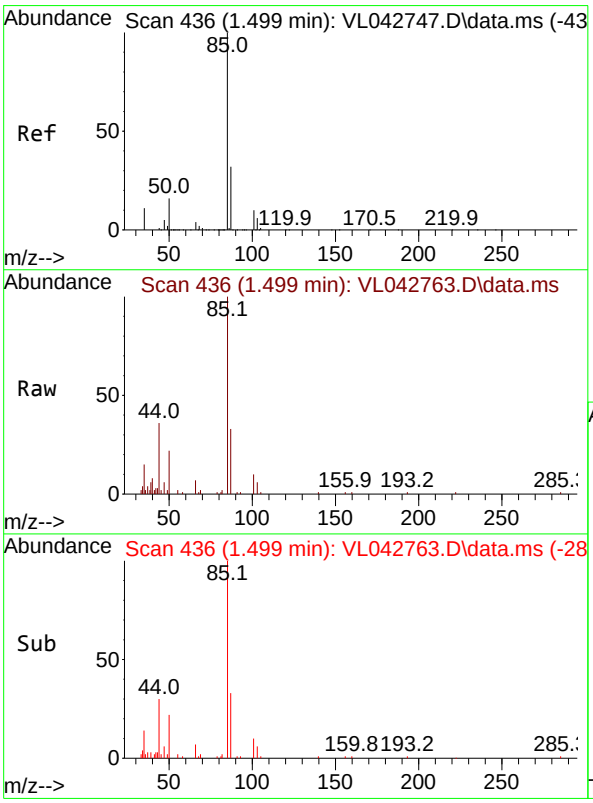
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 49 Resp: 152545

Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.6	71.0
130	59.7	30.3	90.8

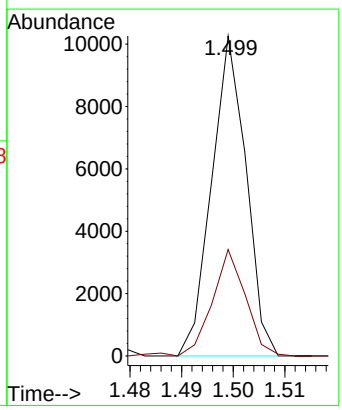


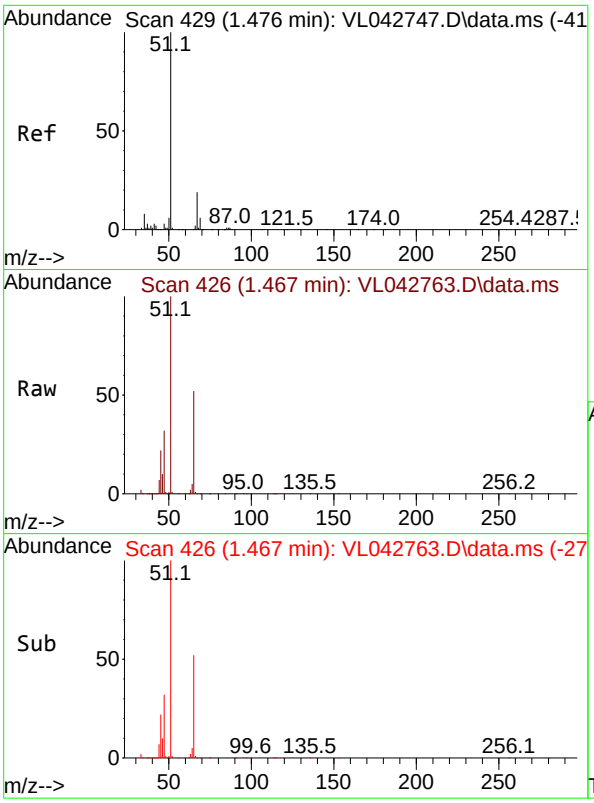


#2
Dichlorodifluoromethane
Concen: 0.236 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 85 Resp: 4755

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.4	38.2



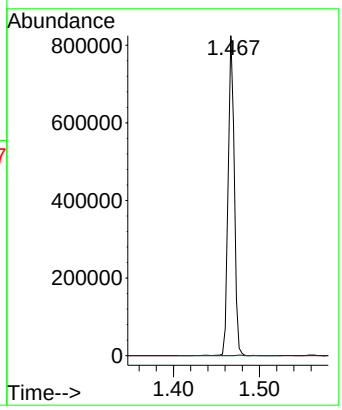


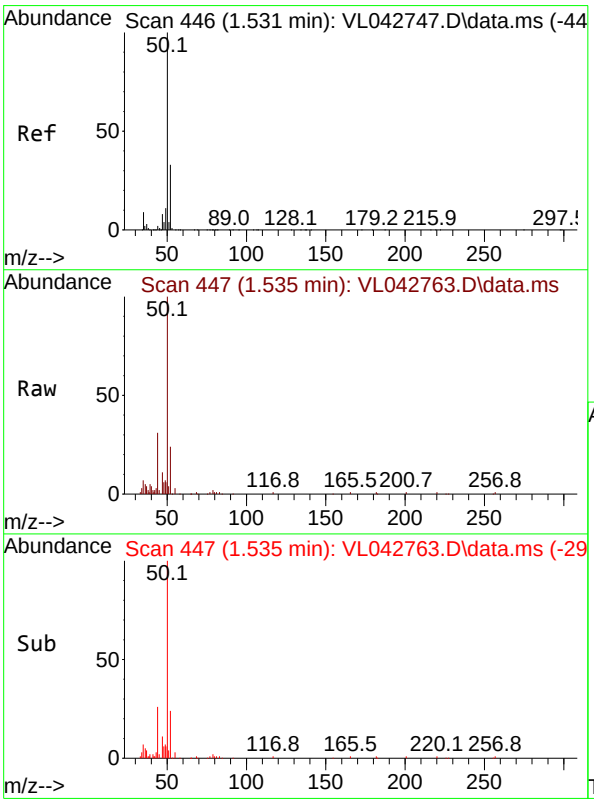
#3
Chlorodifluoromethane
Concen: 15.511 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 51 Resp: 407528

Ion	Ratio	Lower	Upper
51	100		
67	0.2	15.0	22.6#

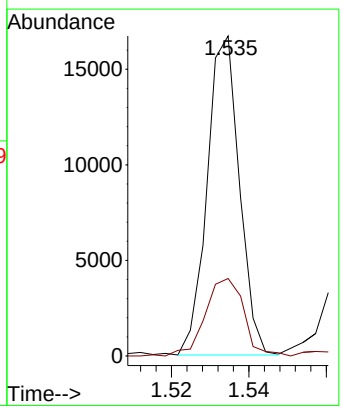


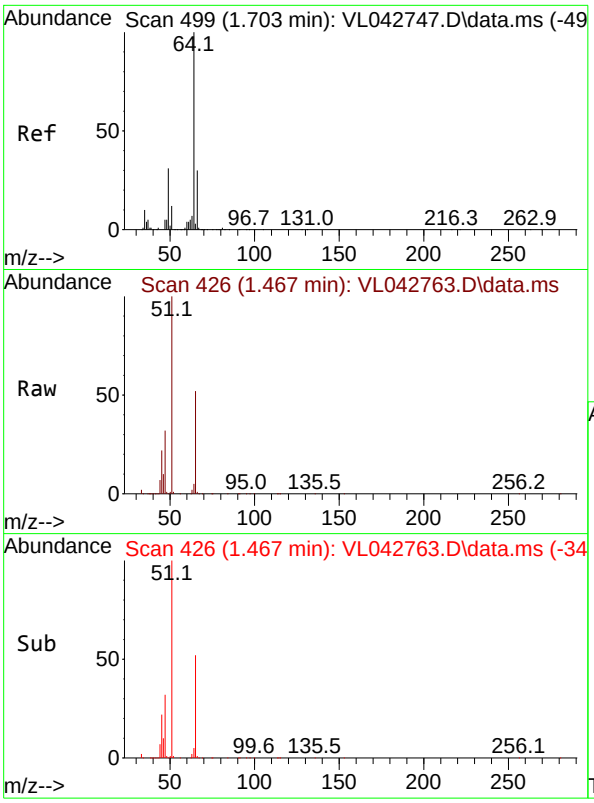


#4
Chloromethane
Concen: 1.181 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 50 Resp: 9639

Ion	Ratio	Lower	Upper
50	100		
52	23.3	26.6	40.0#



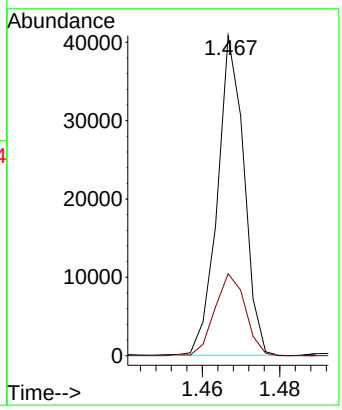


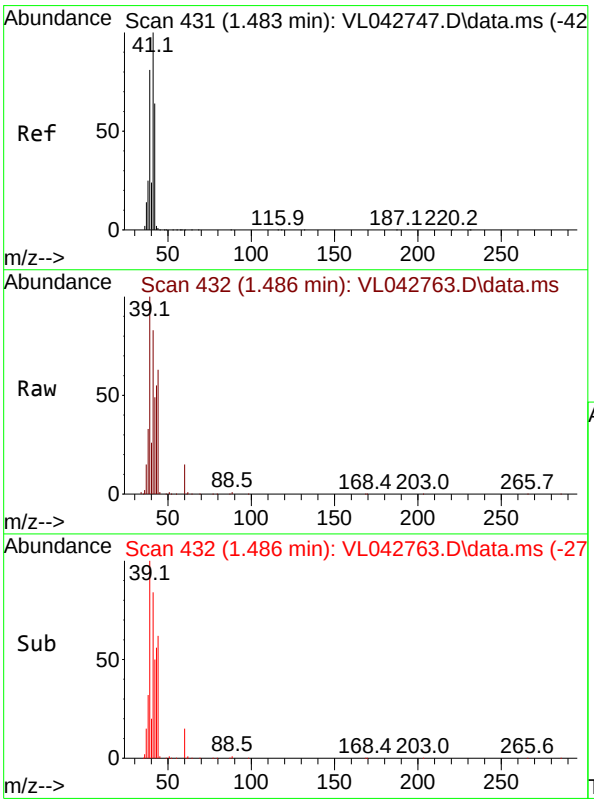
#7
Chloroethane
Concen: 6.225 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.236 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 64 Resp: 19389

Ion	Ratio	Lower	Upper
64	100		
66	25.6	24.1	36.1

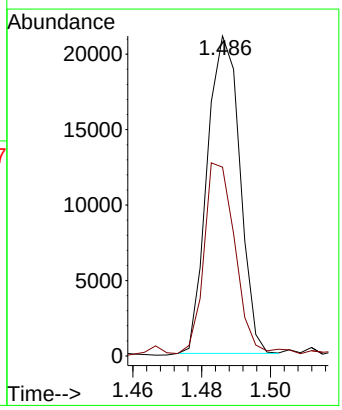


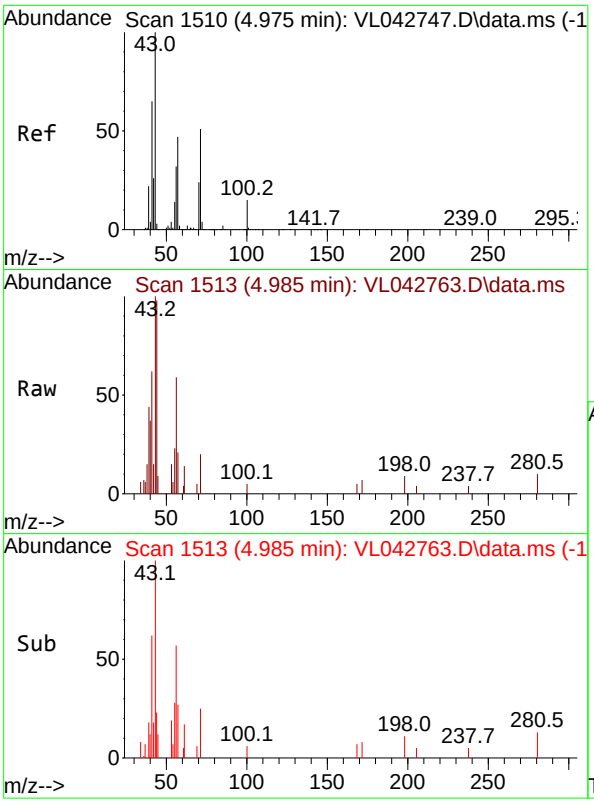


#9
Propene
Concen: 1.453 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 41 Resp: 13877

Ion	Ratio	Lower	Upper
41	100		
42	60.8	53.2	79.8



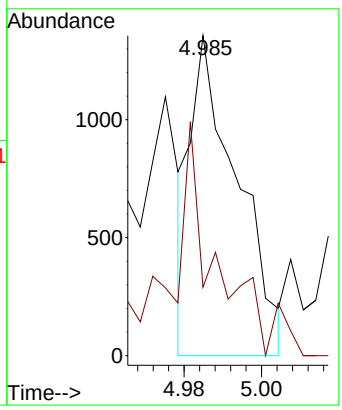


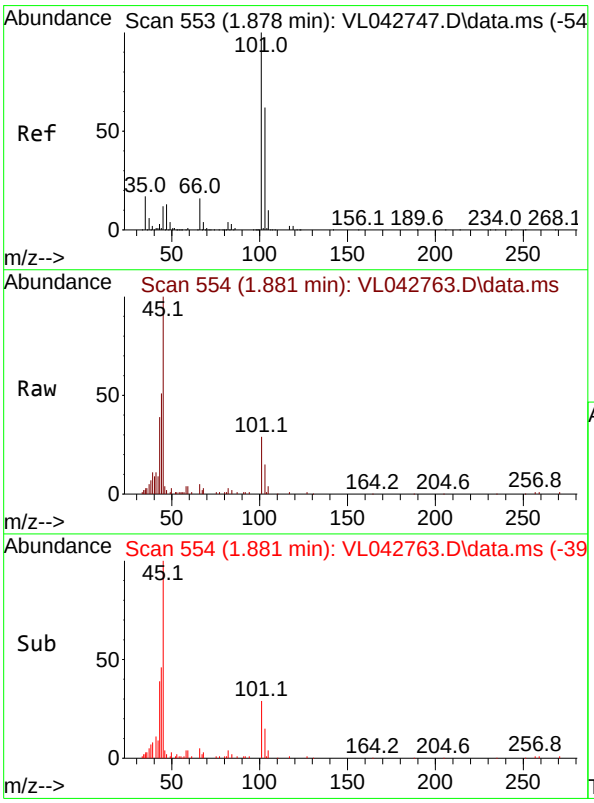
#10
Heptane
Concen: 0.044 ppbv
RT: 4.985 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 43 Resp: 1143

Ion	Ratio	Lower	Upper
43	100		
57	91.8	39.9	59.9#

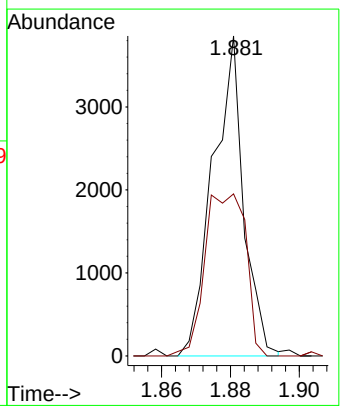


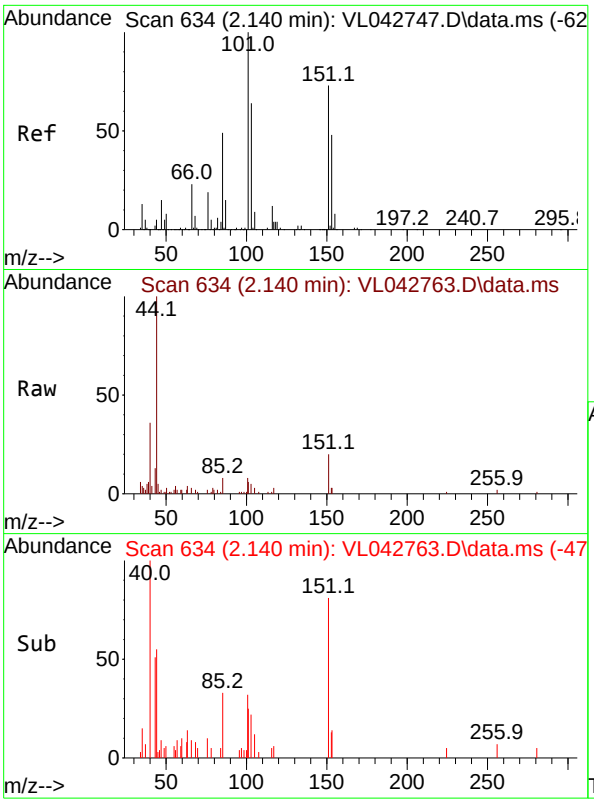


#11
Trichlorofluoromethane
Concen: 0.115 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:101 Resp: 2383

Ion	Ratio	Lower	Upper
101	100		
103	50.6	49.6	74.4



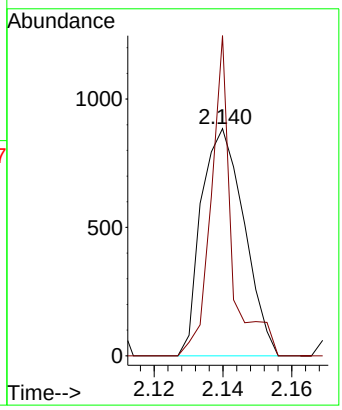


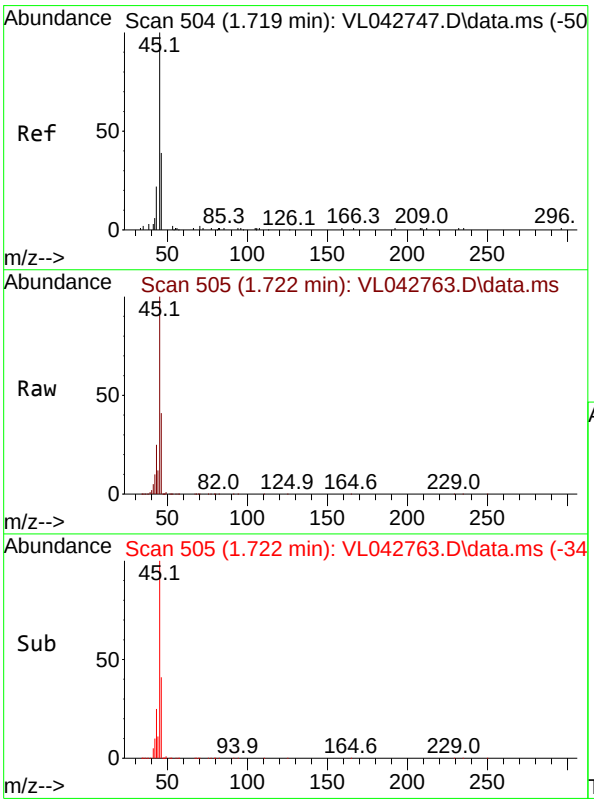
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 2.140 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:101 Resp: 768

Ion	Ratio	Lower	Upper
101	100		
151	67.1	60.5	90.7

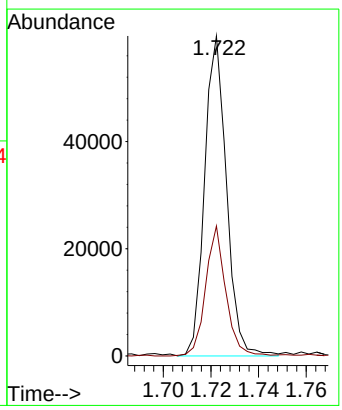


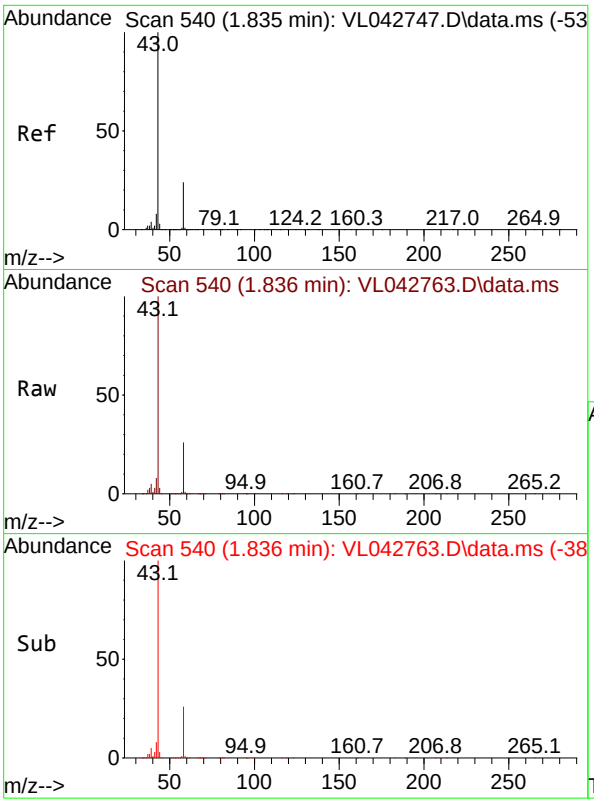


#13
Ethanol
Concen: 53.641 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 45 Resp: 38097

Ion	Ratio	Lower	Upper
45	100		
46	38.1	17.8	71.4



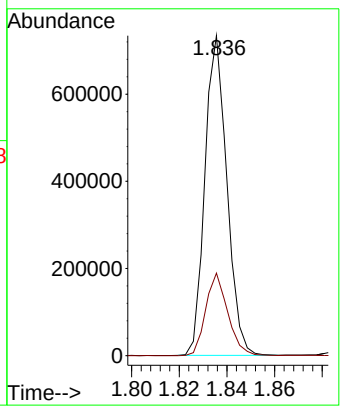


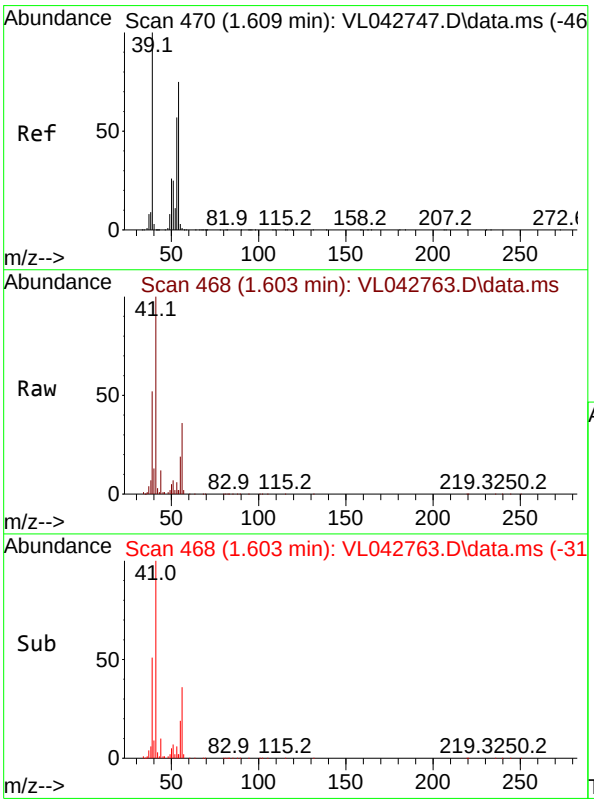
#15
Acetone
Concen: 22.305 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 43 Resp: 469831

Ion	Ratio	Lower	Upper
43	100		
58	26.3	19.8	29.8

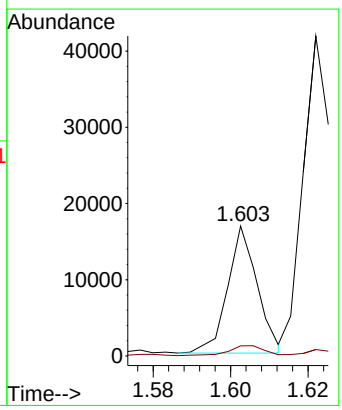


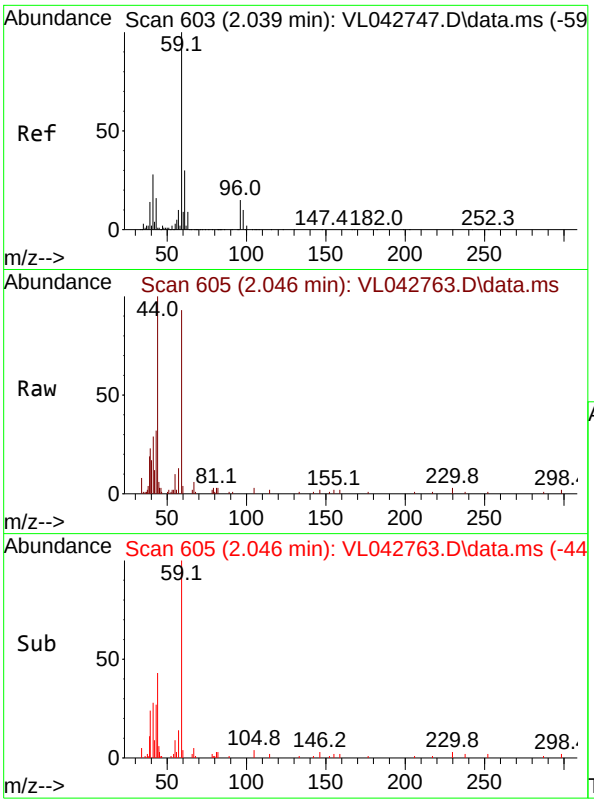


#16
1,3-Butadiene
Concen: 0.984 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 39 Resp: 8845

Ion	Ratio	Lower	Upper
39	100		
54	21.1	54.5	81.7#



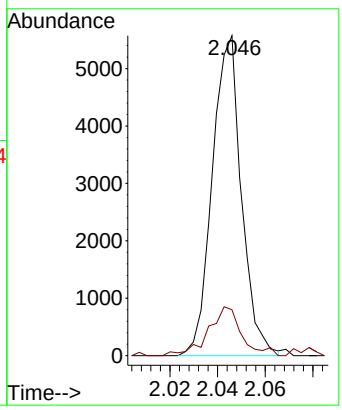


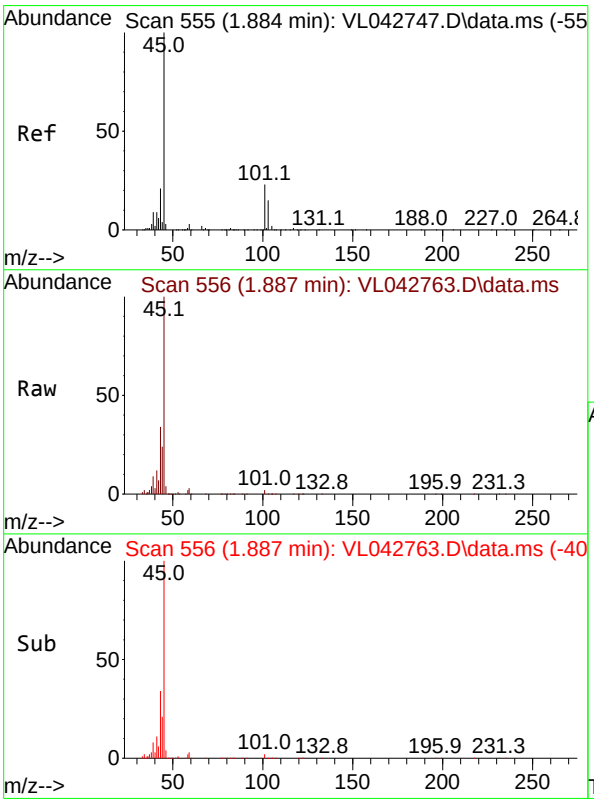
#17
tert-Butyl alcohol
Concen: 0.249 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 59 Resp: 4732

Ion	Ratio	Lower	Upper
59	100		
57	18.9	8.3	12.5#

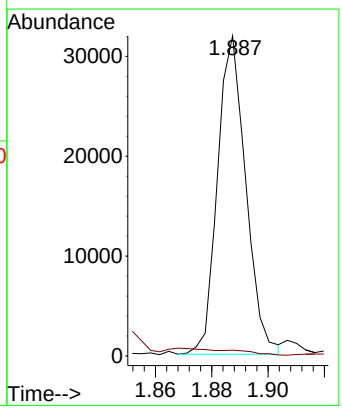


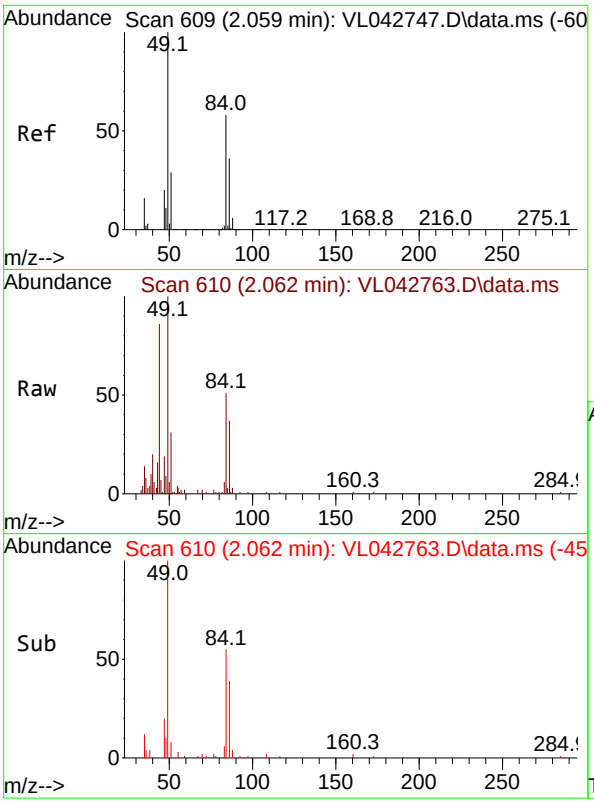


#19
Isopropyl Alcohol
Concen: 1.987 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 45 Resp: 22241

Ion	Ratio	Lower	Upper
45	100		
58	555.4	30.0	45.0#



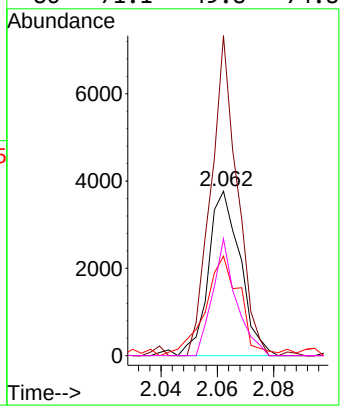


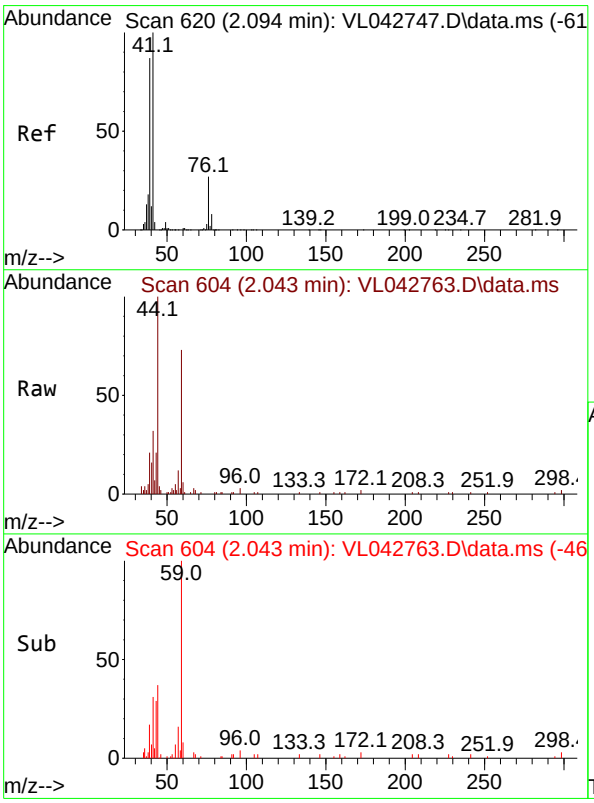
#20
Methylene Chloride
Concen: 0.446 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 84 Resp: 2959

Ion	Ratio	Lower	Upper
84	100		
49	194.6	138.6	208.0
51	58.6	40.6	61.0
86	71.1	49.8	74.8

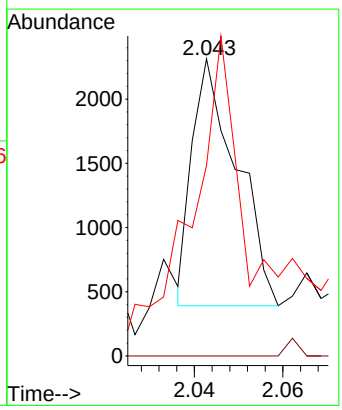


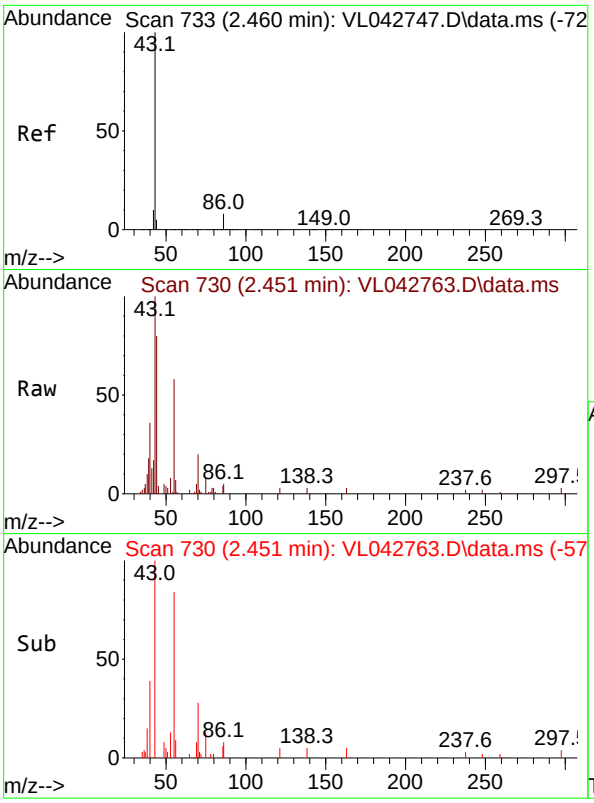


#21
Allyl Chloride
Concen: 0.104 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.052 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 41 Resp: 1350

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.1	31.7#
39	242.3	68.3	102.5#



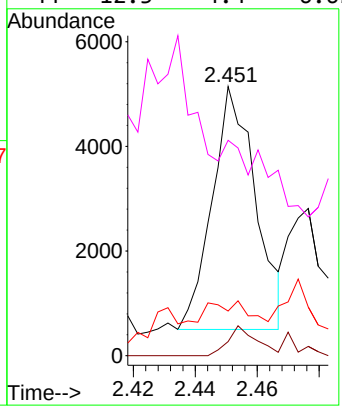


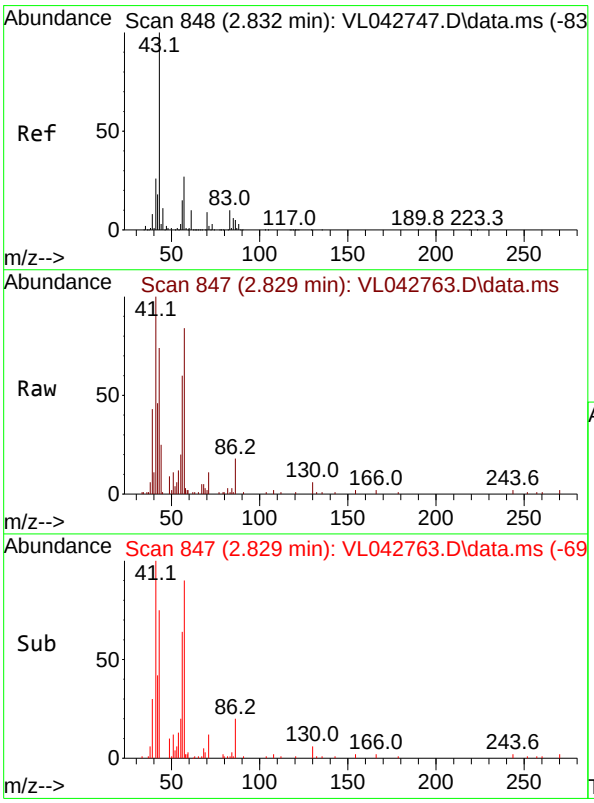
#23
Vinyl Acetate
Concen: 0.177 ppbv
RT: 2.451 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 43 Resp: 4513

Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.1	9.1#
42	5.3	7.8	11.8#
44	12.3	4.4	6.6#

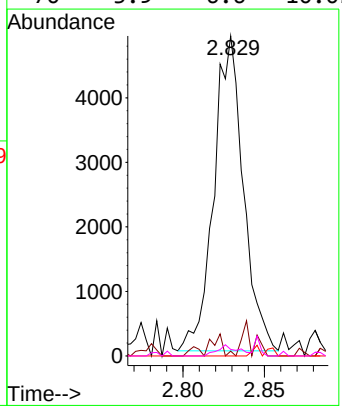


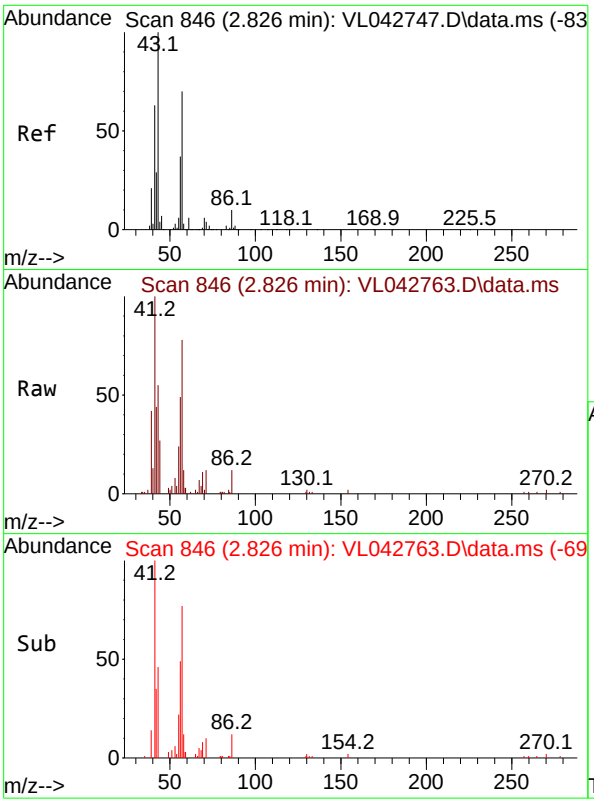


#25
Ethyl Acetate
Concen: 0.132 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 6136

Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.8	11.6#
61	0.0	6.7	10.1#
70	3.9	6.6	10.0#



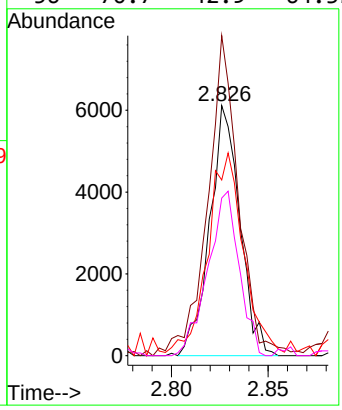


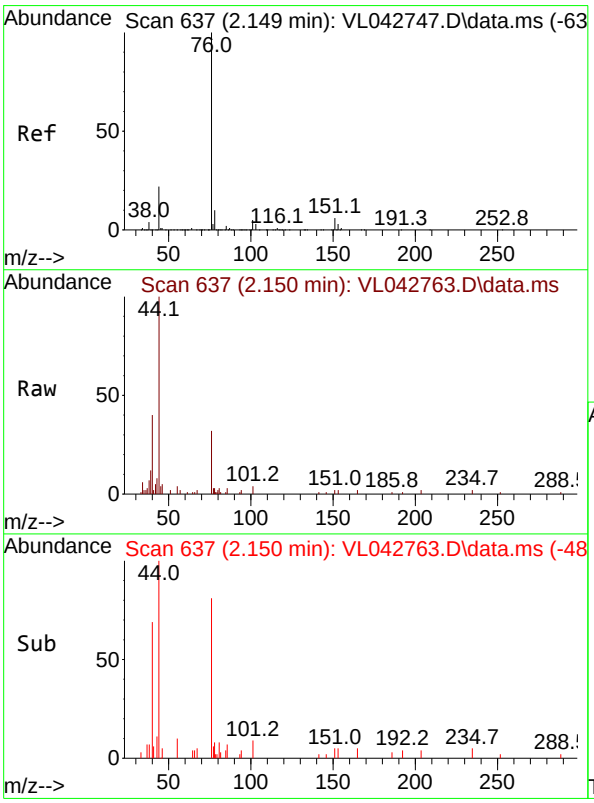
#26
Hexane
Concen: 0.323 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 57 Resp: 6609

Ion	Ratio	Lower	Upper
57	100		
41	131.2	75.4	113.2#
43	0.0	185.0	277.6#
56	70.7	42.9	64.3#

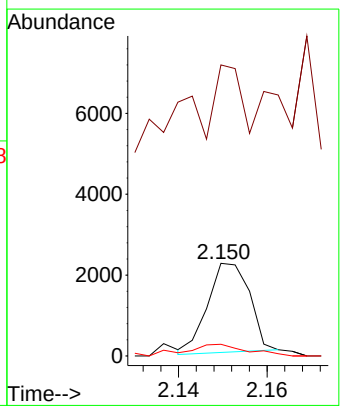


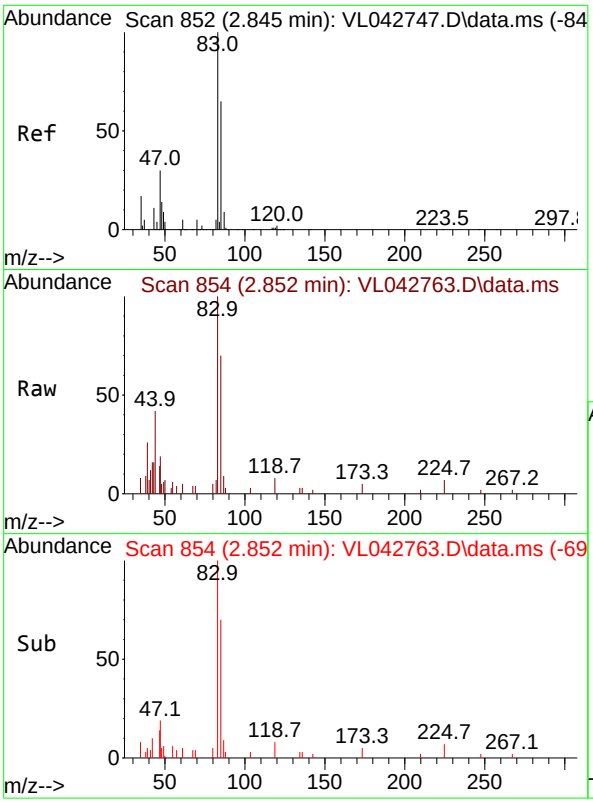


#27
Carbon Disulfide
Concen: 0.083 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 76 Resp: 1455

Ion	Ratio	Lower	Upper
76	100		
44	544.0	19.3	28.9#
78	21.1	9.9	14.9#



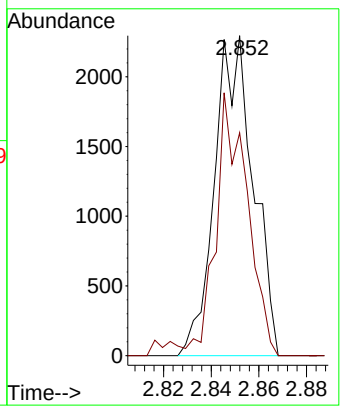


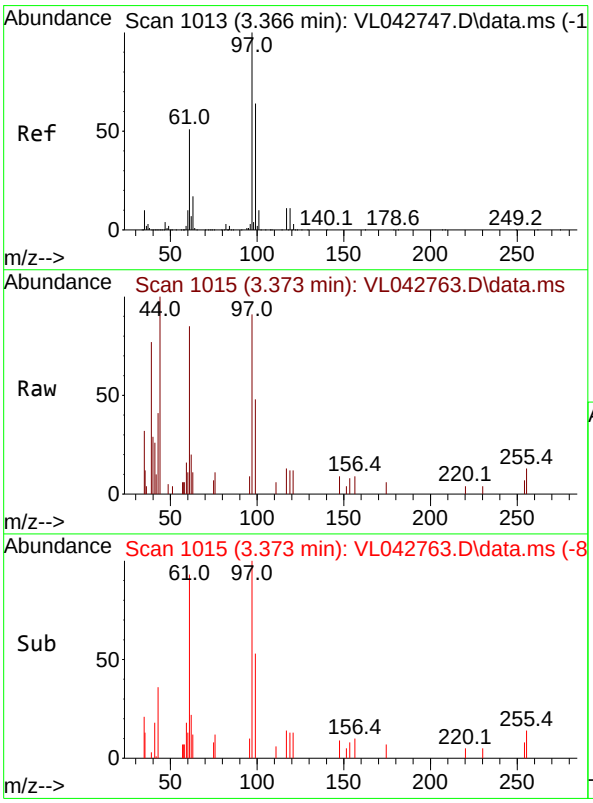
#29
Chloroform
Concen: 0.081 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 83 Resp: 2574

Ion	Ratio	Lower	Upper
83	100		
85	69.6	52.2	78.2

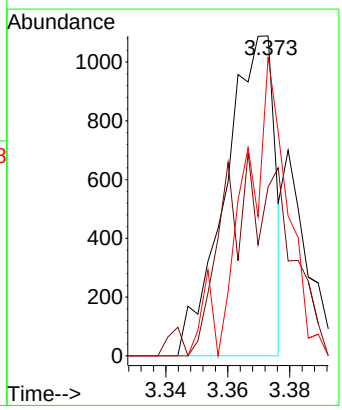


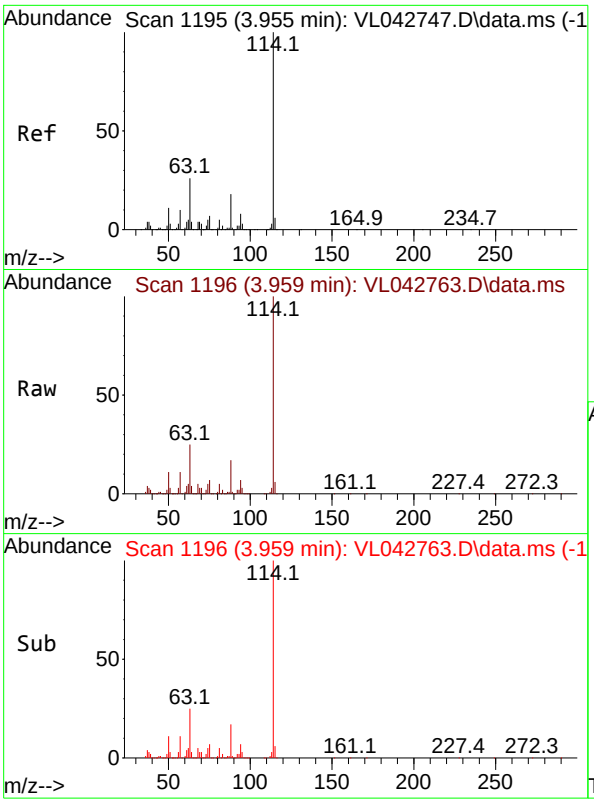


#32
1,1,1-Trichloroethane
Concen: 0.037 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 97 Resp: 1213

Ion	Ratio	Lower	Upper
97	100		
99	81.8	51.0	76.6#
61	81.7	40.9	61.3#



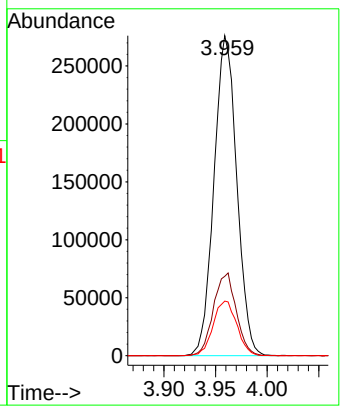


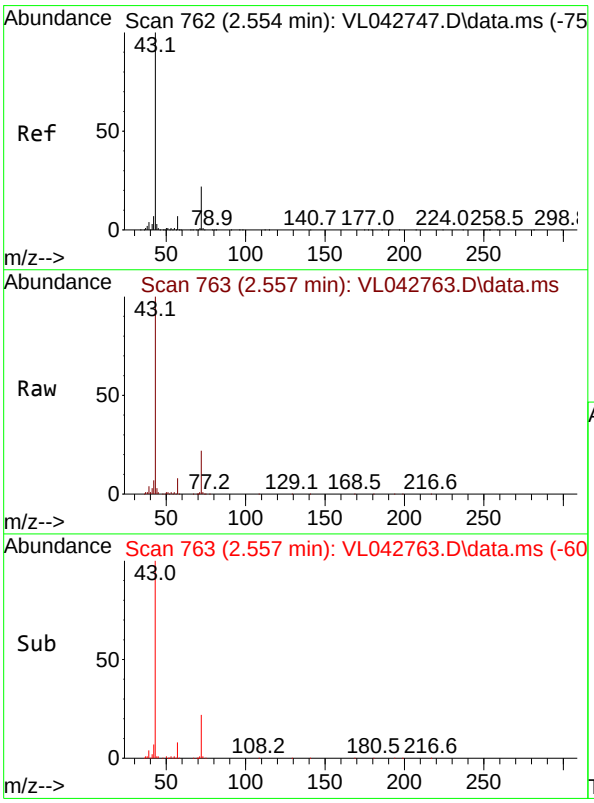
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:114 Resp: 423795

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	17.8	14.0	21.0

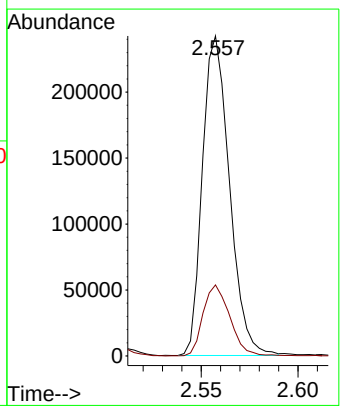


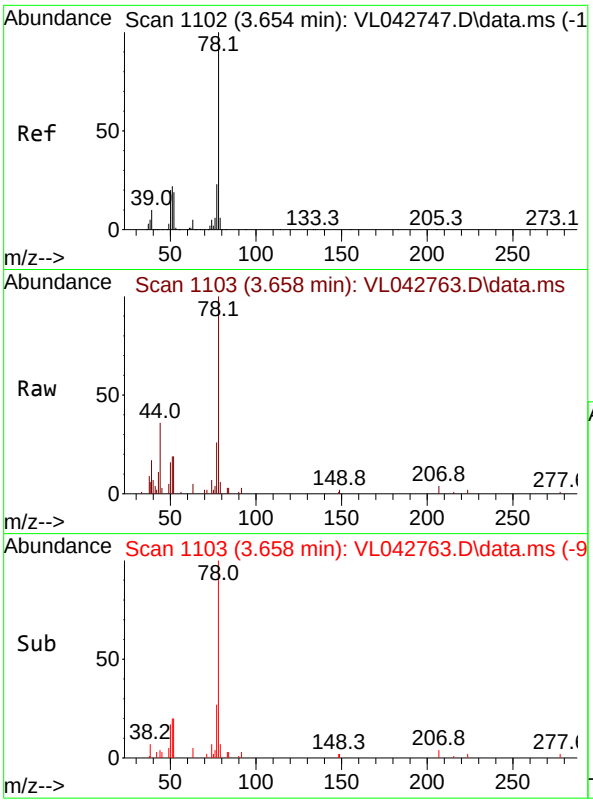


#34
2-Butanone
Concen: 7.838 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 235290

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.4	26.0



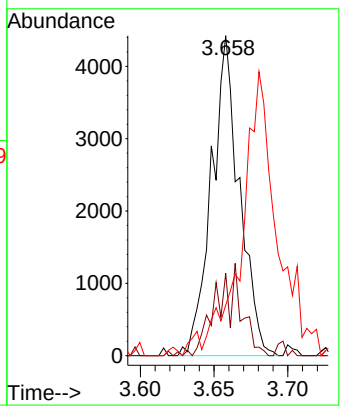


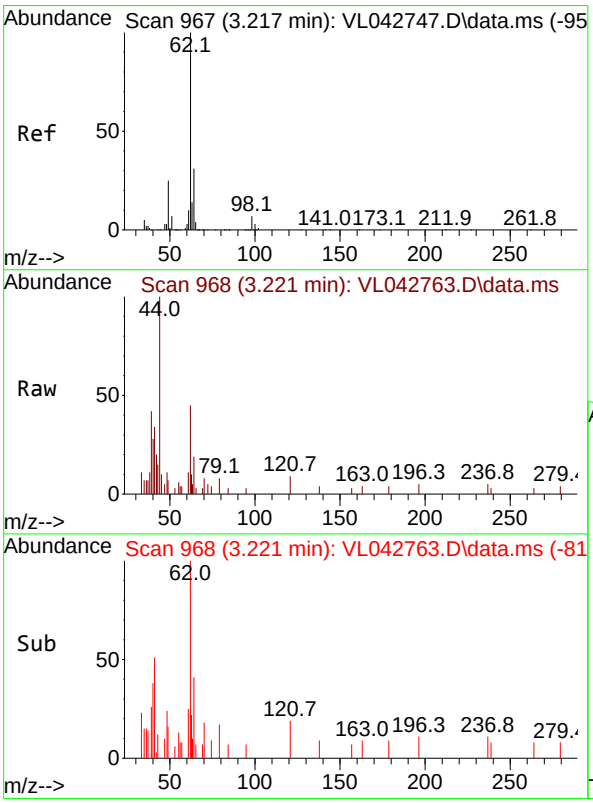
#36
Benzene
Concen: 0.145 ppbv
RT: 3.658 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 78 Resp: 5821

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.5	27.7
50	14.4	16.2	24.2#

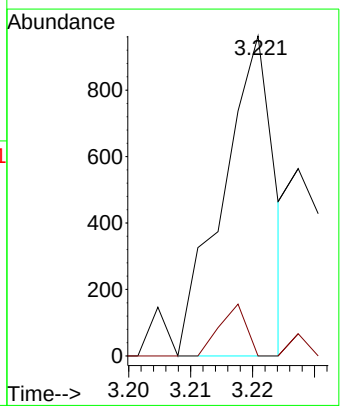


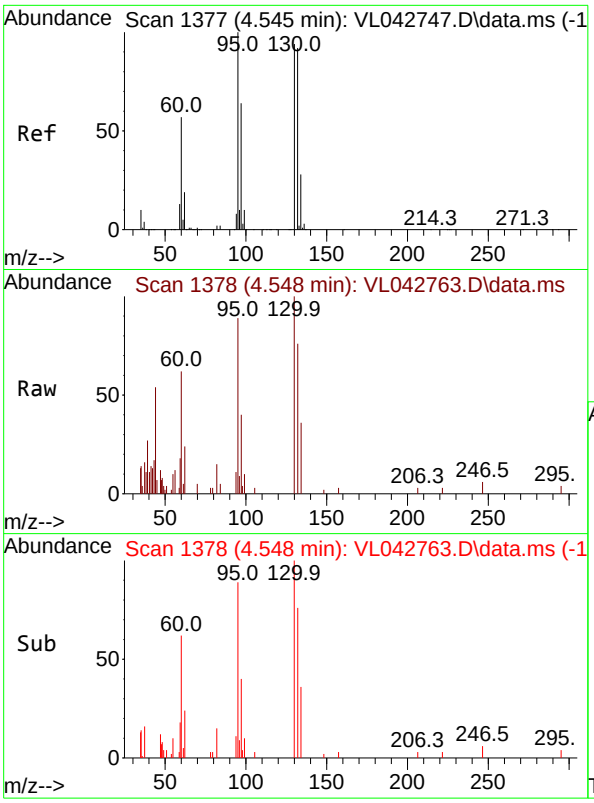


#37
1,2-Dichloroethane
Concen: 0.023 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 62 Resp: 556

Ion	Ratio	Lower	Upper
62	100		
98	10.8	5.2	7.8#



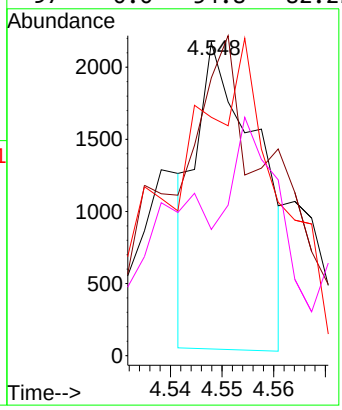


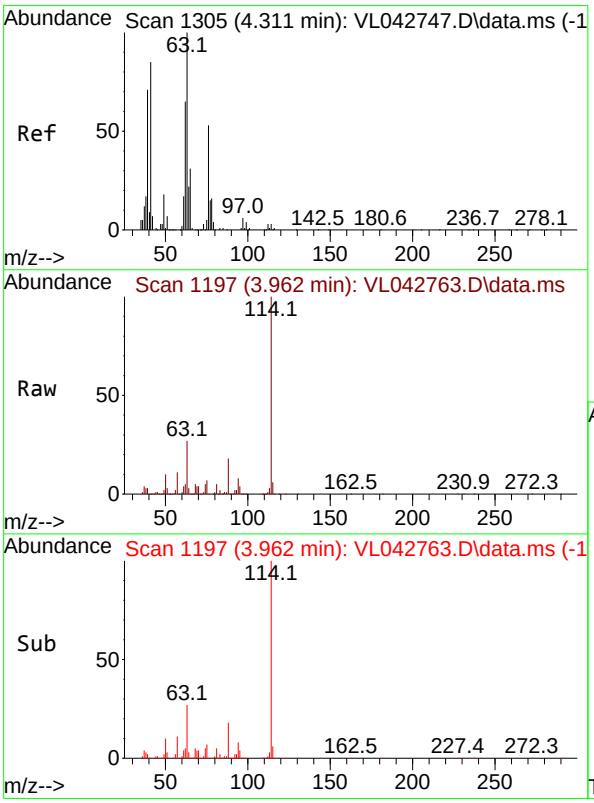
#38
Trichloroethene
Concen: 0.092 ppbv
RT: 4.548 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:130 Resp: 1771

Ion	Ratio	Lower	Upper
130	100		
95	71.8	85.4	128.2#
132	57.3	78.2	117.2#
97	0.0	54.8	82.2#

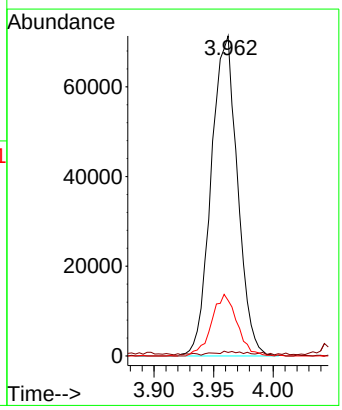


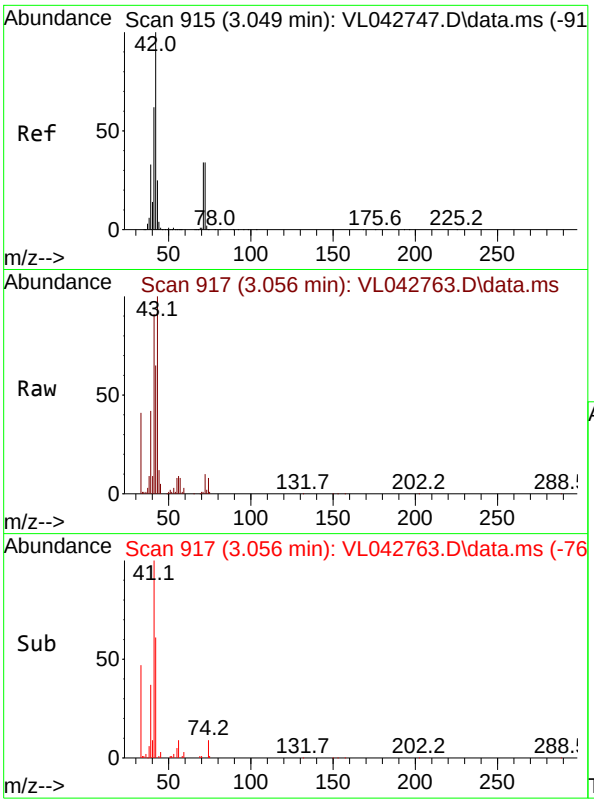


#39
1,2-Dichloropropane
Concen: 7.396 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.349 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 63 Resp: 109646

Ion	Ratio	Lower	Upper
63	100		
41	0.4	68.2	102.4#
62	17.4	52.0	78.0#



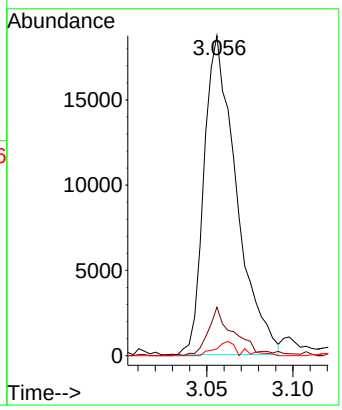


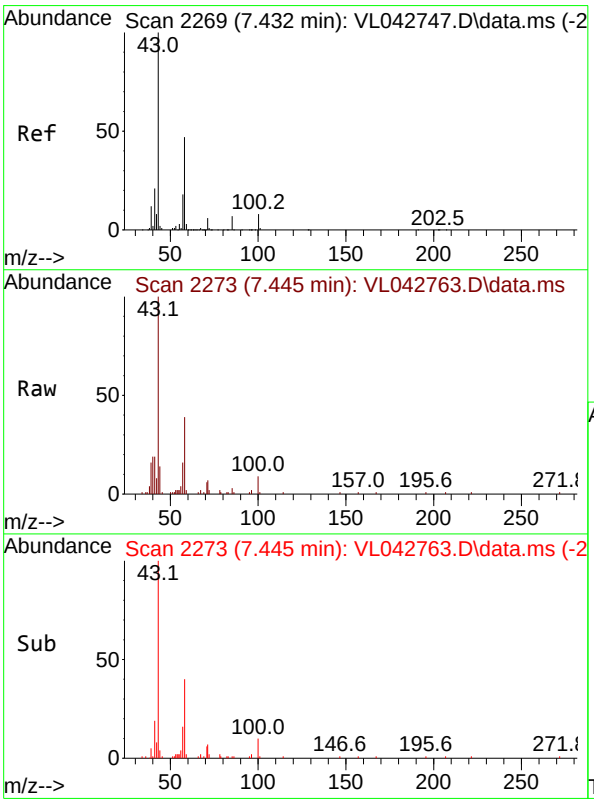
#41
Tetrahydrofuran
Concen: 1.597 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 42 Resp: 24393

Ion	Ratio	Lower	Upper
42	100		
72	12.9	30.9	46.3#
71	3.4	28.6	43.0#

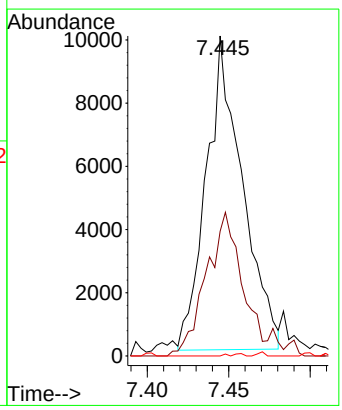


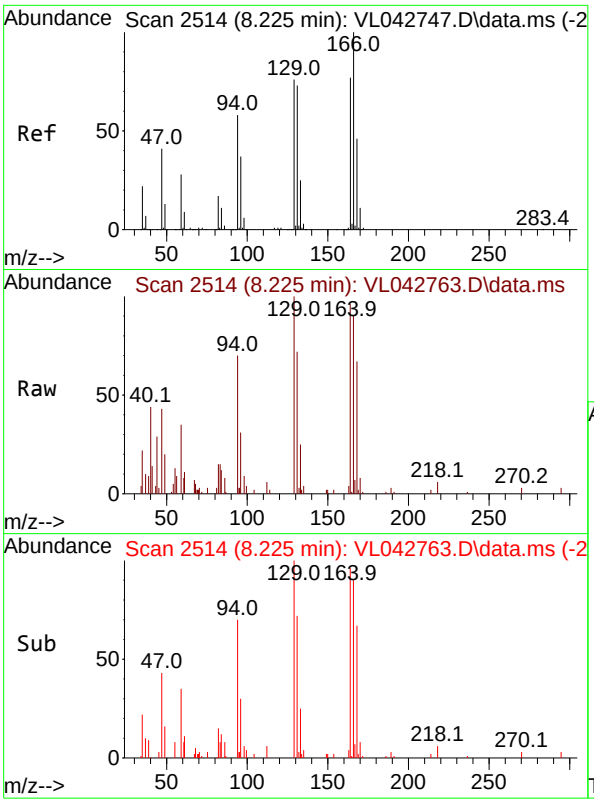


#51
2-Hexanone
Concen: 0.524 ppbv
RT: 7.445 min Scan# 2273
Delta R.T. 0.013 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 43 Resp: 15306

Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.0	57.0
98	0.0	0.2	0.4#



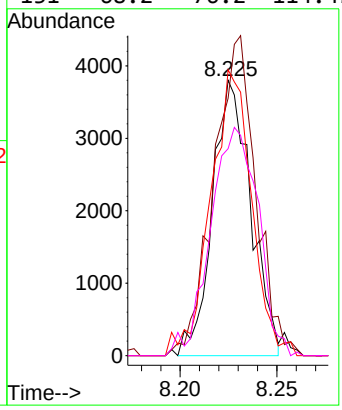


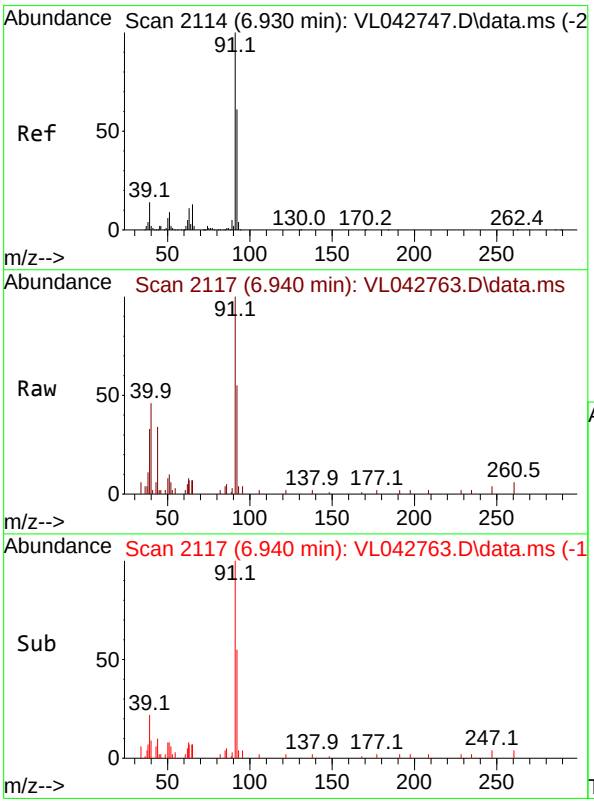
#52
Tetrachloroethene
Concen: 0.315 ppbv
RT: 8.225 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:164 Resp: 5241

Ion	Ratio	Lower	Upper
164	100		
166	89.0	104.0	156.0#
129	100.3	79.2	118.8
131	68.2	76.2	114.4#

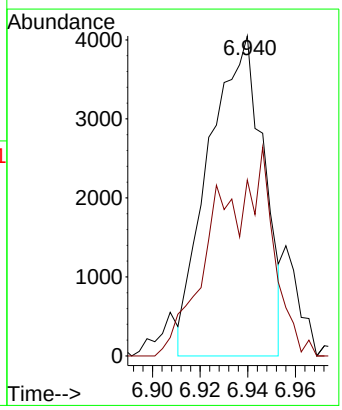


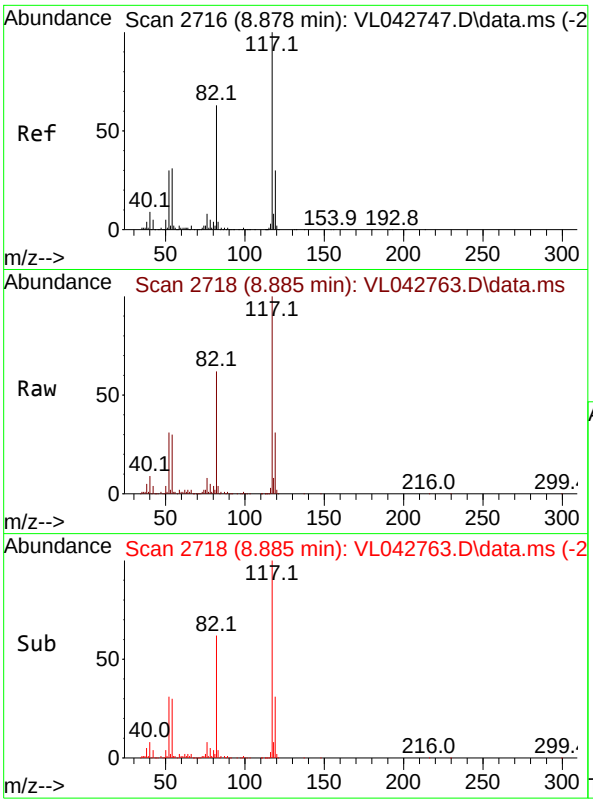


#53
Toluene
Concen: 0.150 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 6462

Ion	Ratio	Lower	Upper
91	100		
92	68.2	48.0	72.0



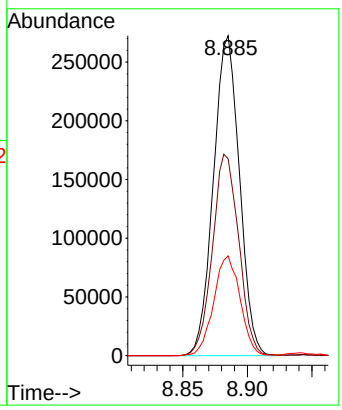


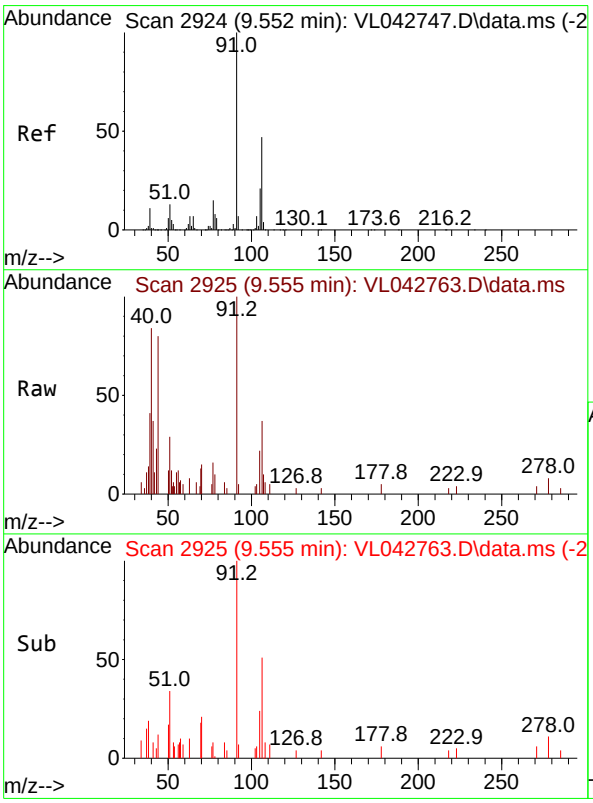
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:117 Resp: 382302

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.3	79.9
119	31.7	25.8	38.6

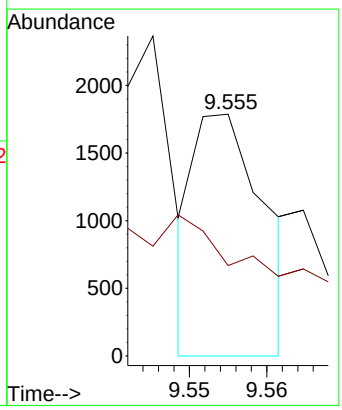


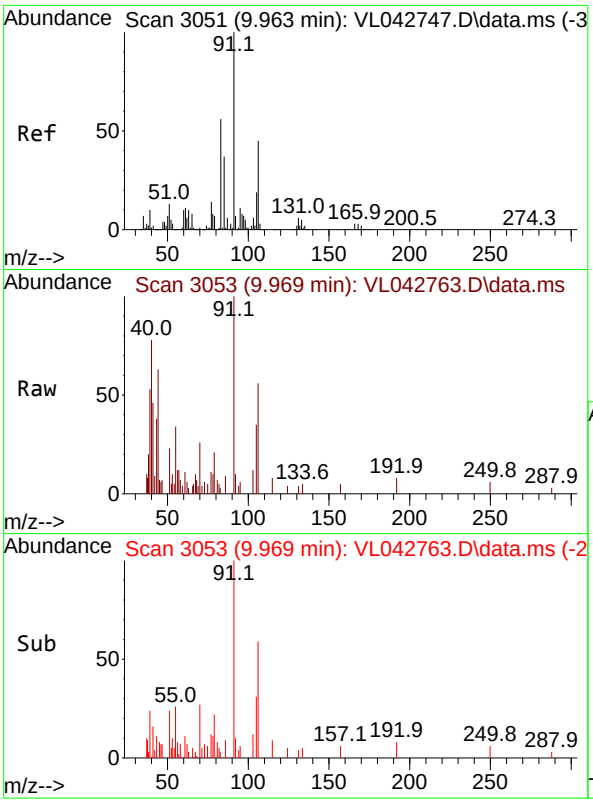


#59
m/p-Xylene
Concen: 0.023 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion: 91 Resp: 1126

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#



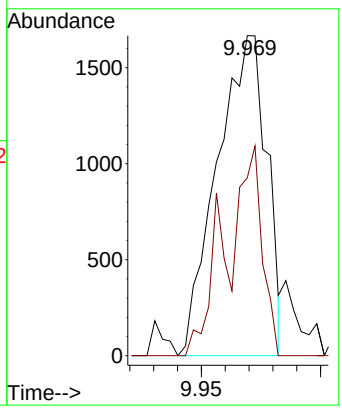


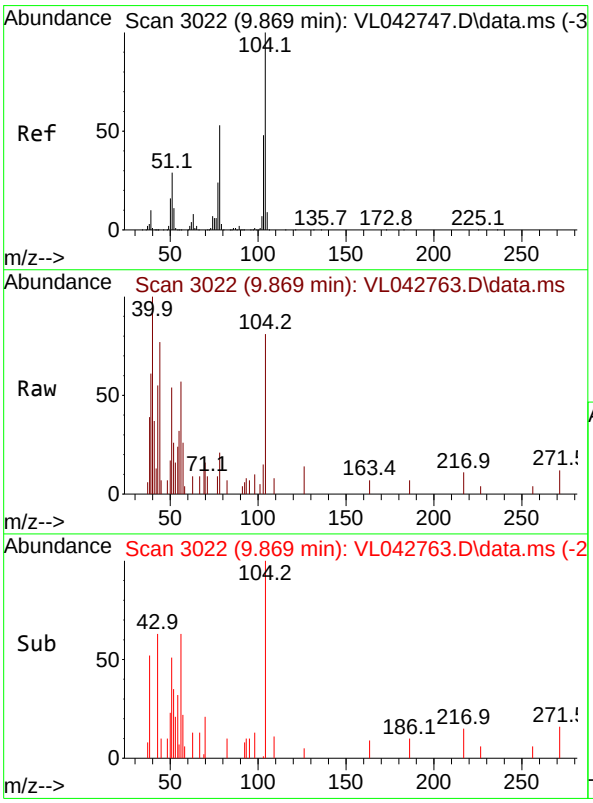
#60
o-Xylene
Concen: 0.050 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 91 Resp: 2415

Ion	Ratio	Lower	Upper
91	100		
106	47.2	22.0	66.0

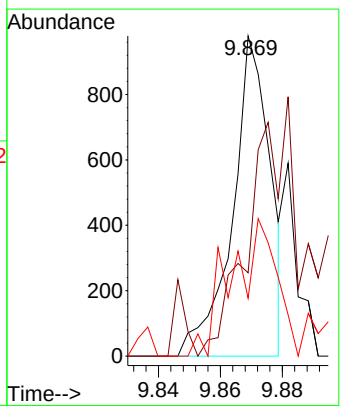


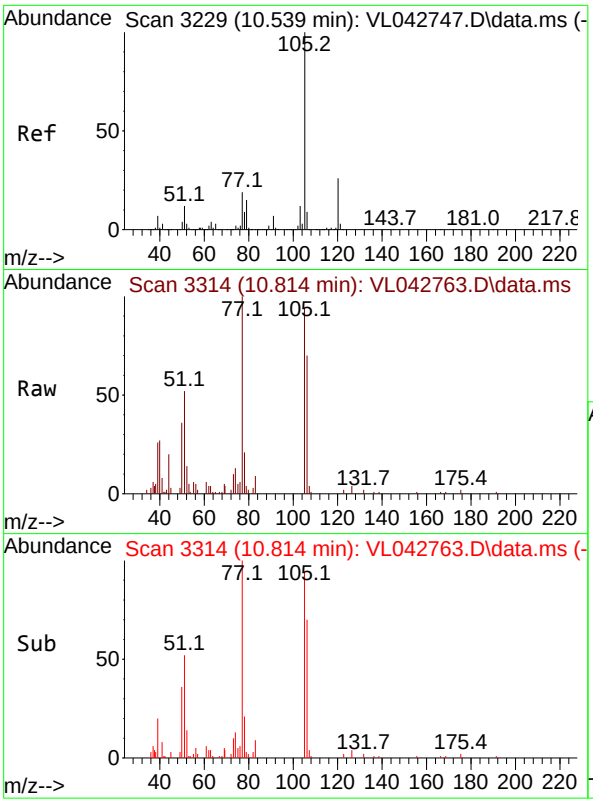


#61
Styrene
Concen: 0.041 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:104 Resp: 822

Ion	Ratio	Lower	Upper
104	100		
78	11.1	41.5	62.3#
103	62.8	37.5	56.3#



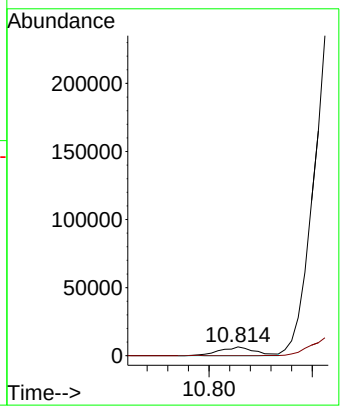


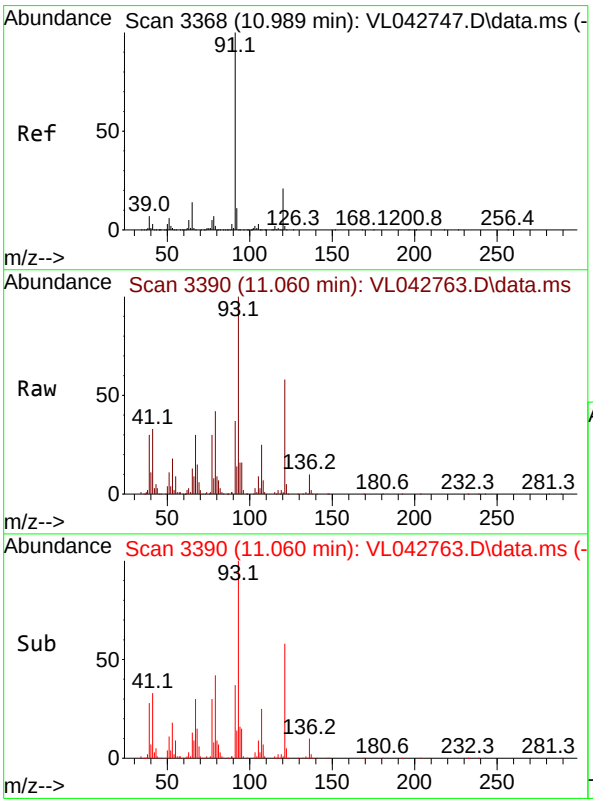
#62
Isopropylbenzene
Concen: 0.108 ppbv
RT: 10.814 min Scan# 3
Delta R.T. 0.275 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:105 Resp: 7688

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.5	30.7#

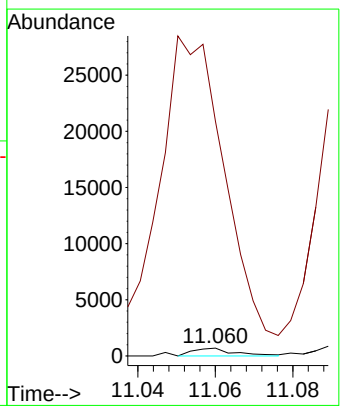


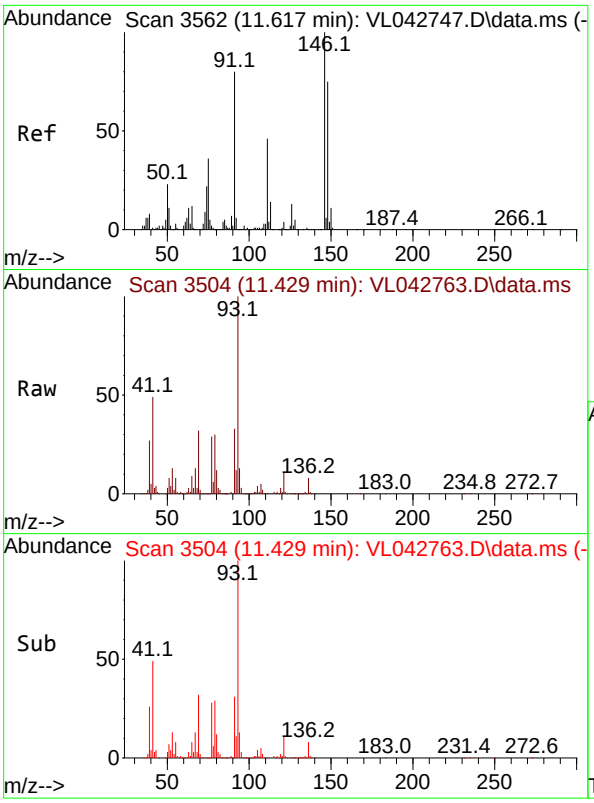


#64
n-propylbenzene
Concen: 0.028 ppbv
RT: 11.060 min Scan# 3390
Delta R.T. 0.071 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:120 Resp: 525

Ion	Ratio	Lower	Upper
120	100		
91	0.0	372.7	559.1#



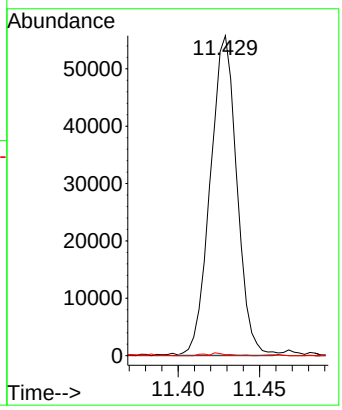


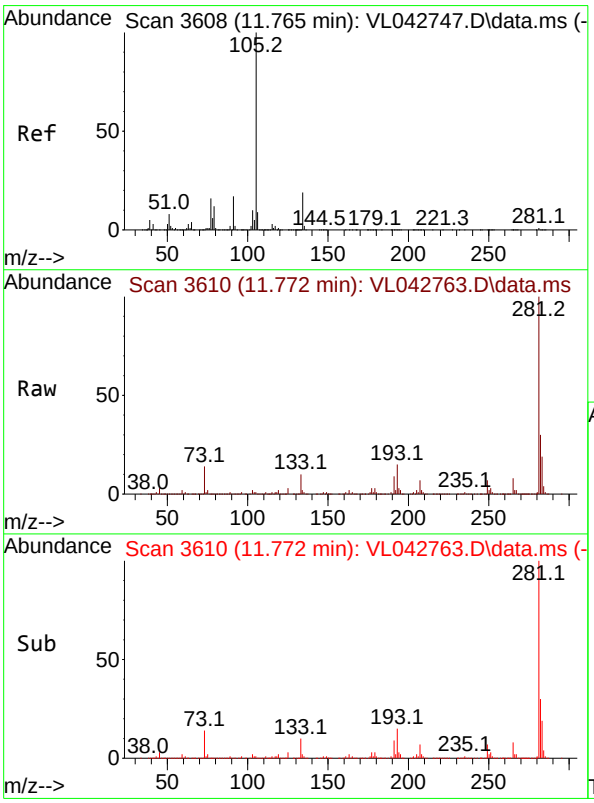
#66
Benzyl Chloride
Concen: 12.119 ppbv
RT: 11.429 min Scan# 3
Delta R.T. -0.188 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 91 Resp: 62847

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	0.7	5.2	7.8#

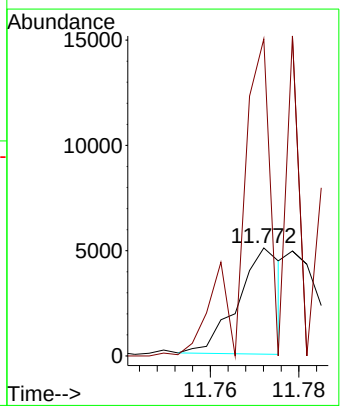


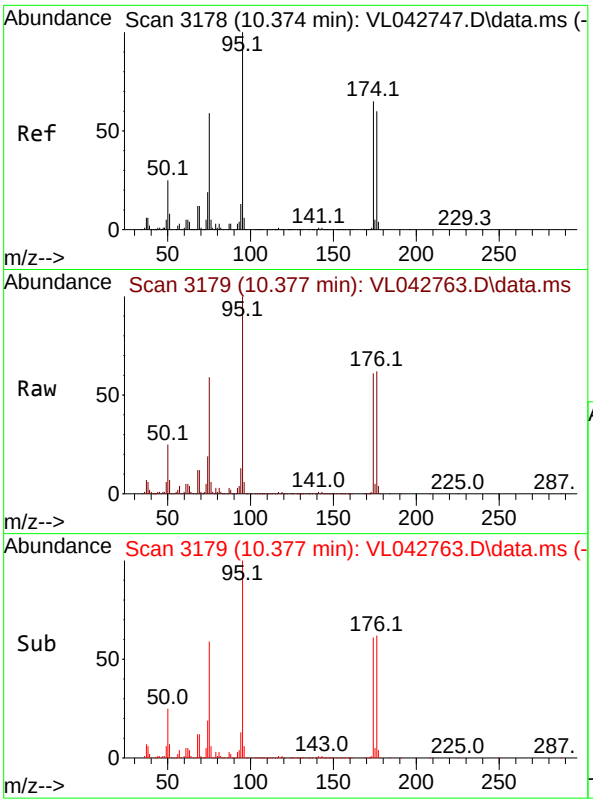


#67
sec-Butylbenzene
Concen: 0.038 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 3385

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.5	23.3#



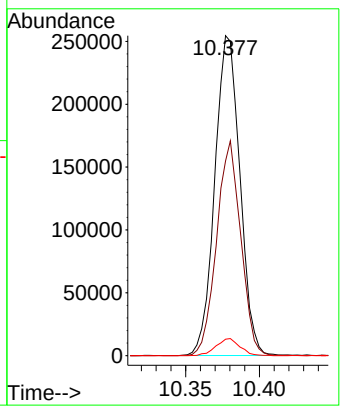


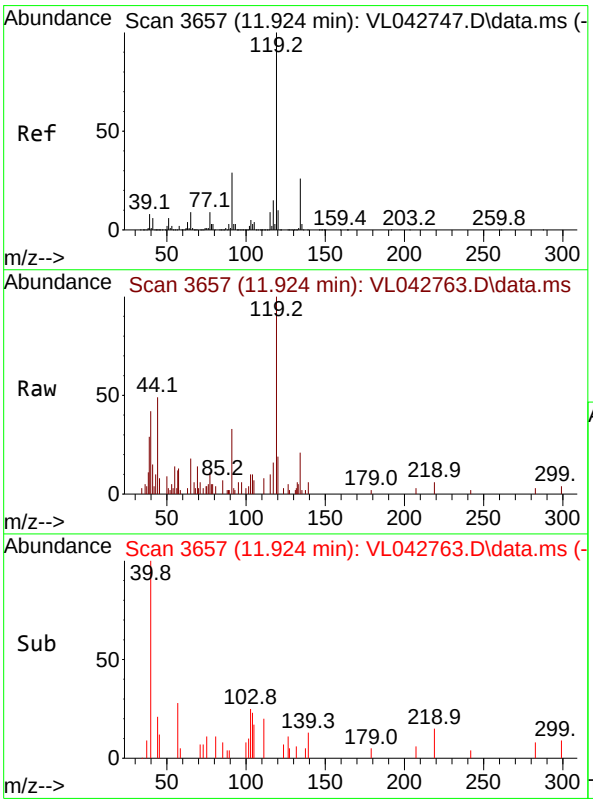
#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 95 Resp: 301001

Ion	Ratio	Lower	Upper
95	100		
174	64.6	53.8	80.6
175	5.1	4.0	6.0

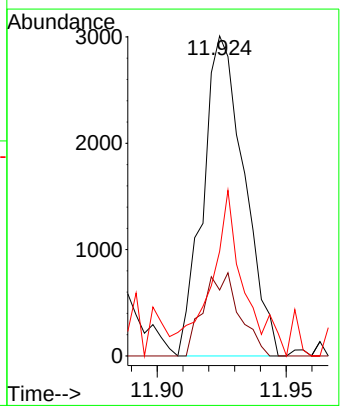


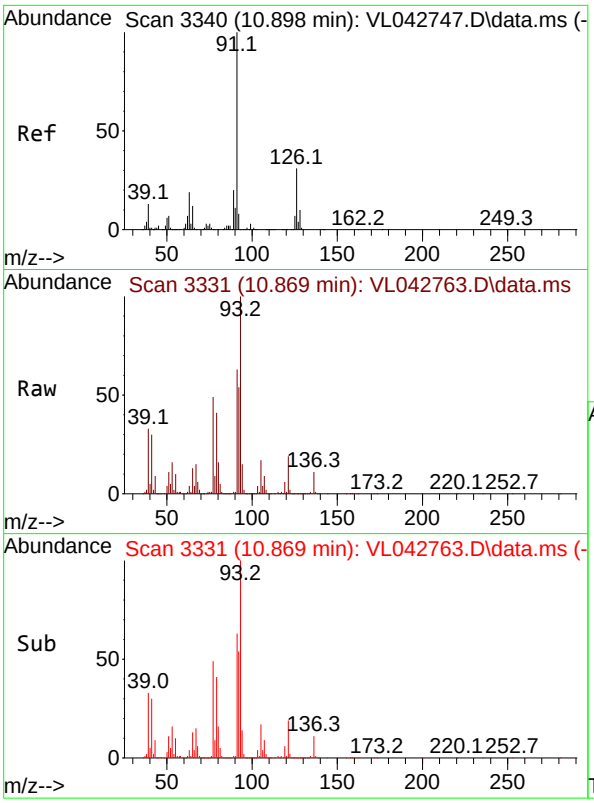


#69
p-Isopropyltoluene
Concen: 0.046 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:119 Resp: 3335

Ion	Ratio	Lower	Upper
119	100		
134	23.0	20.6	31.0
91	61.3	23.2	34.8#



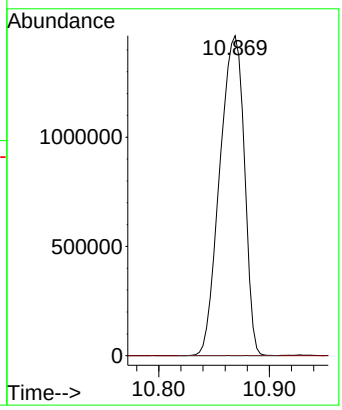


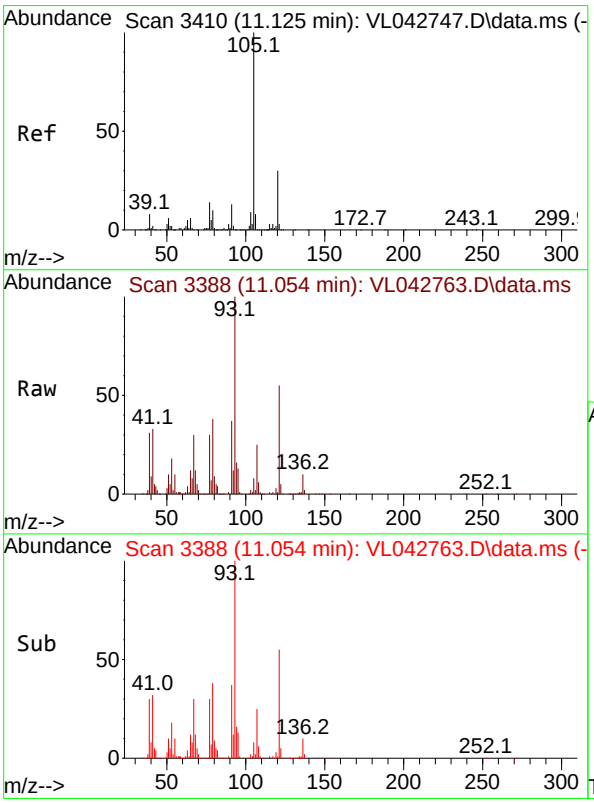
#71
2-Chlorotoluene
Concen: 41.548 ppbv
RT: 10.869 min Scan# 3
Delta R.T. -0.029 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion: 91 Resp: 2265593

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.0	48.2#

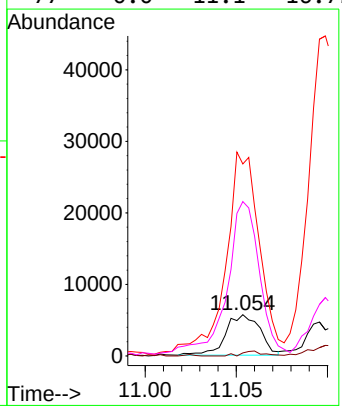


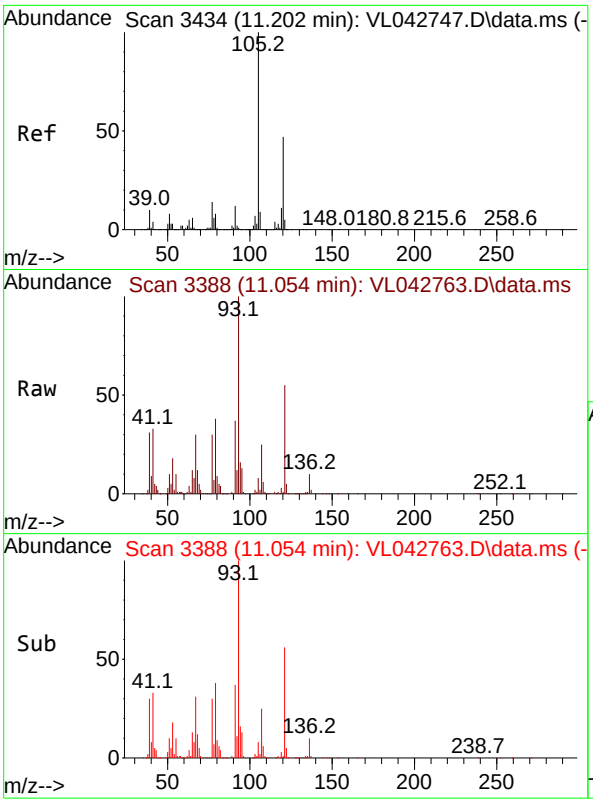


#72
4-Ethyltoluene
Concen: 0.129 ppbv
RT: 11.054 min Scan# 3388
Delta R.T. -0.071 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 7414

Ion	Ratio	Lower	Upper
105	100		
120	26.9	24.4	36.6
91	0.0	10.6	15.8#
77	0.0	11.1	16.7#



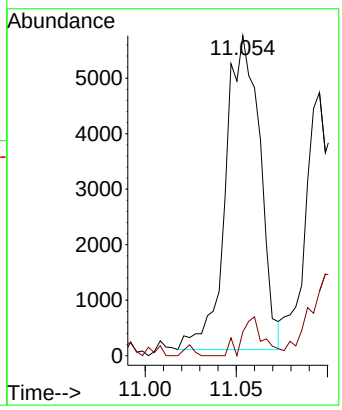


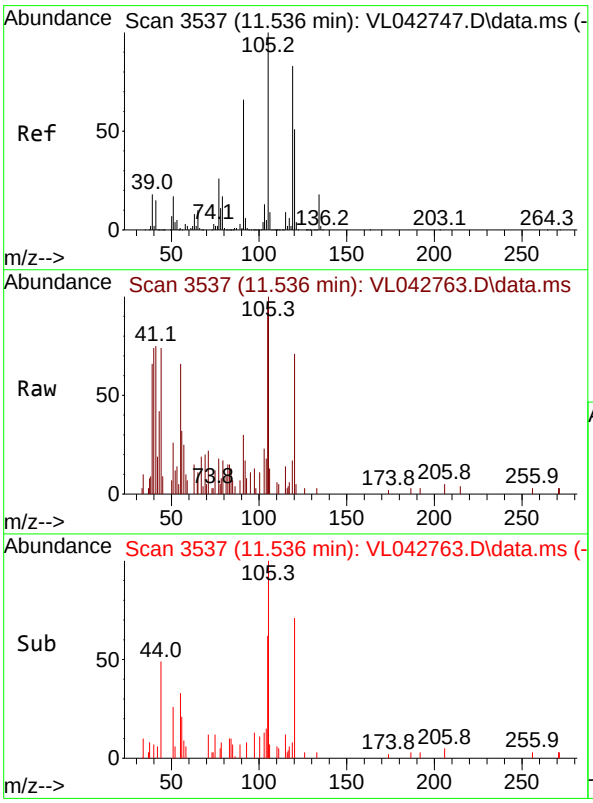
#73
1,3,5-Trimethylbenzene
Concen: 0.156 ppbv
RT: 11.054 min Scan# 3
Delta R.T. -0.149 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:105 Resp: 7414

Ion	Ratio	Lower	Upper
105	100		
120	7.6	37.8	56.8#

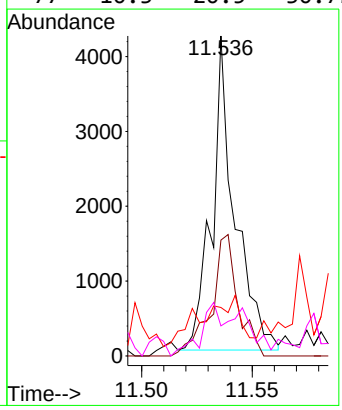


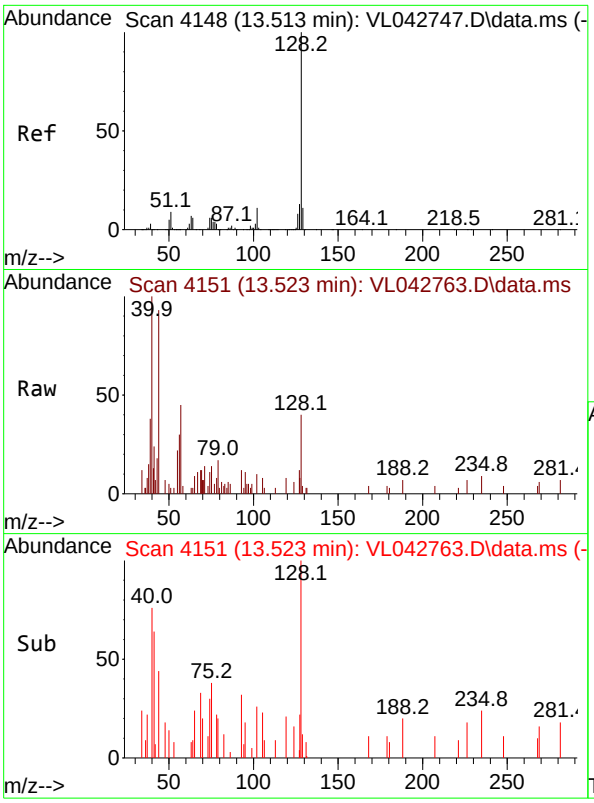


#74
1,2,4-Trimethylbenzene
Concen: 0.058 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:105 Resp: 3016

Ion	Ratio	Lower	Upper
105	100		
120	36.9	40.8	61.2#
91	7.6	53.0	79.4#
77	10.3	20.5	30.7#



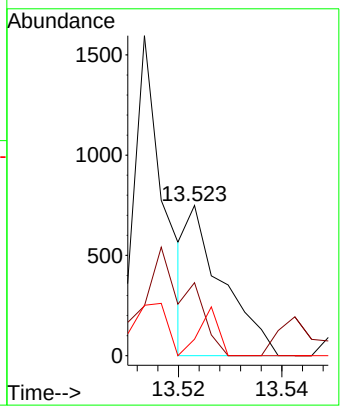


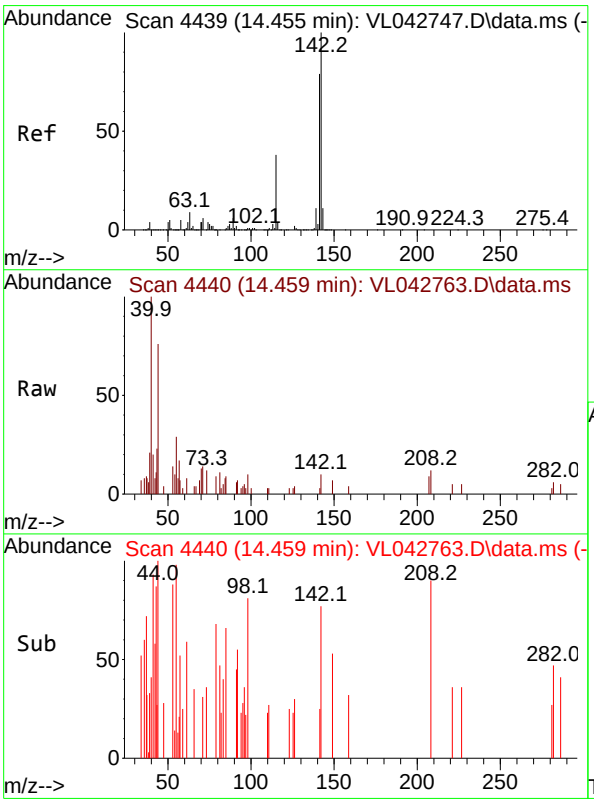
#79
Naphthalene
Concen: 0.441 ppbv
RT: 13.523 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:128 Resp: 359

Ion	Ratio	Lower	Upper
128	100		
127	31.9	10.5	15.7#
129	10.9	8.6	13.0

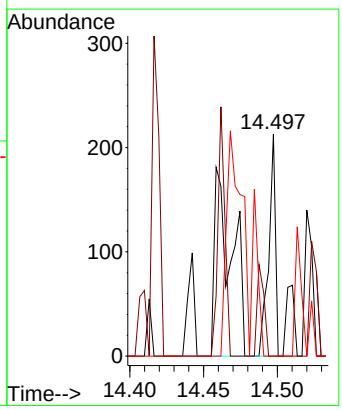


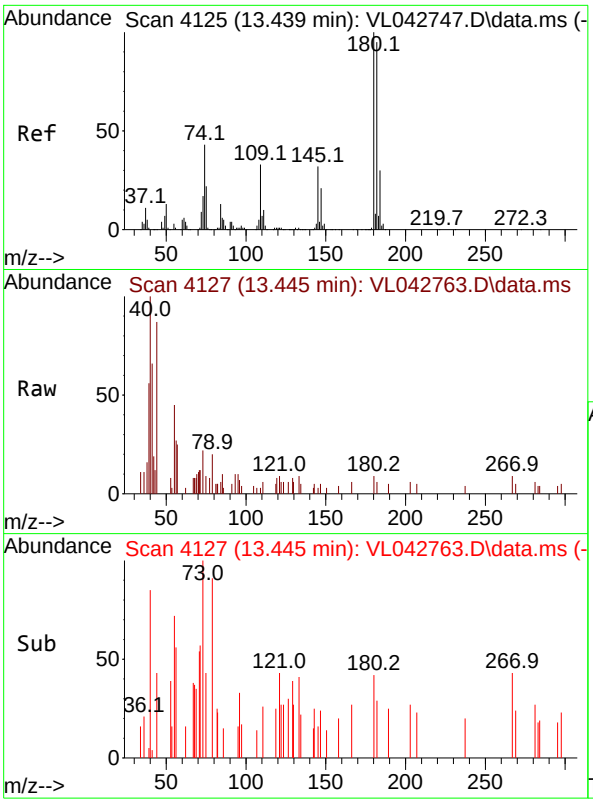


#80
Naphthalene,2-methyl-
Concen: 1.136 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Tgt Ion:142 Resp: 241

Ion	Ratio	Lower	Upper
142	100		
141	32.8	65.8	98.8#
115	82.6	31.2	46.8#



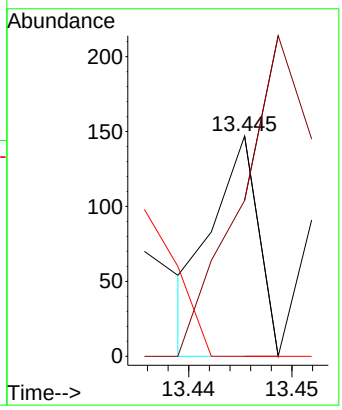


#81
1,2,4-Trichlorobenzene
Concen: 0.436 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042763.D
Acq: 24 Jul 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
118-SG1

Tgt Ion:180 Resp: 45

Ion	Ratio	Lower	Upper
180	100		
182	362.2	76.2	114.2#
184	0.0	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042764.D
Acq On : 24 Jul 2025 14:28
Operator : SY/MD
Sample : Q2671-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Quant Time: Jul 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

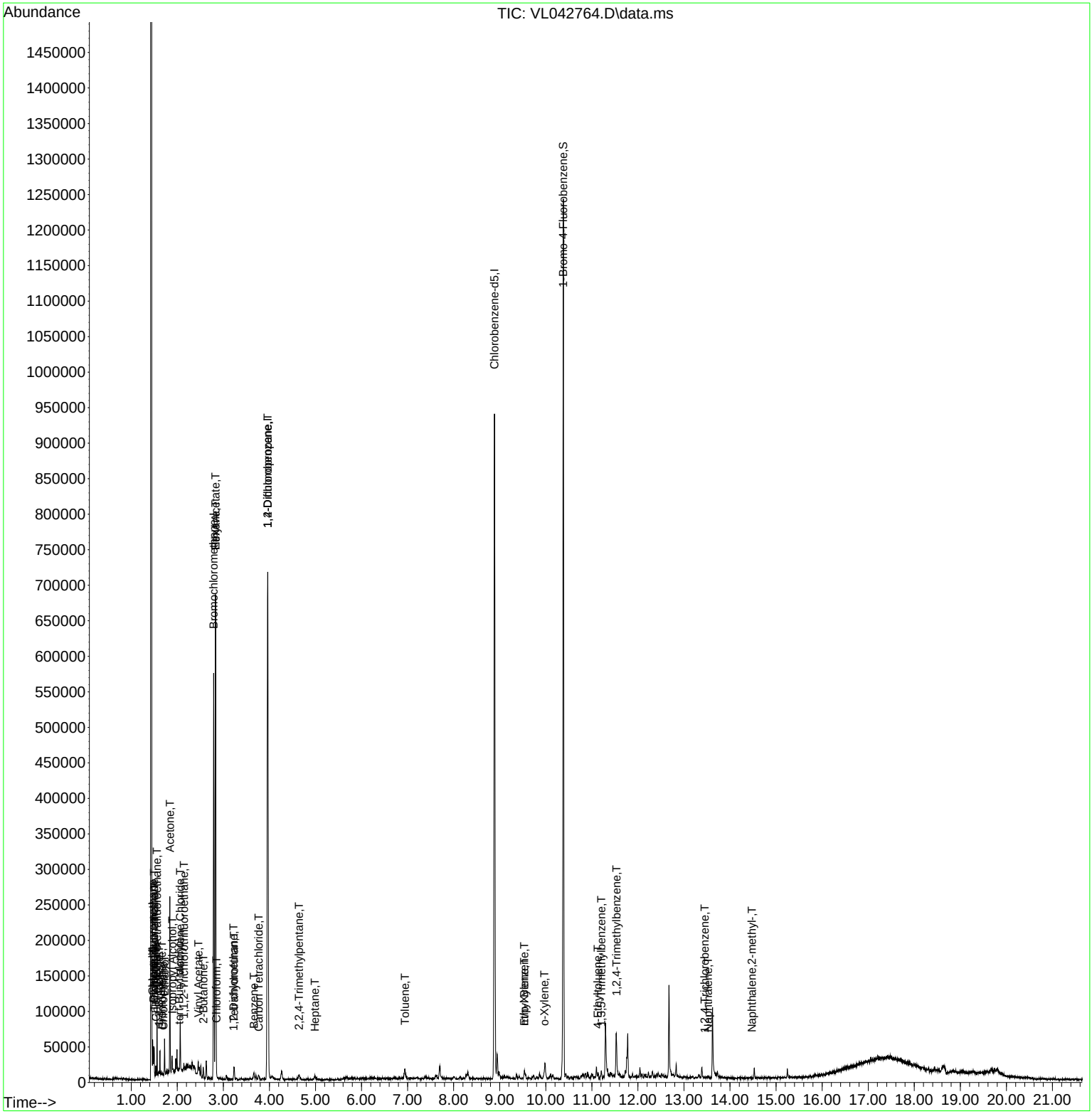
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	153272	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	419258	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	371493	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	297462	10.111	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	9014	0.445	ppbv		99
3) Chlorodifluoromethane	1.466	51	17661	0.669	ppbv	#	78
4) Chloromethane	1.534	50	3742	0.456	ppbv		93
6) Bromomethane	1.667	94	80	0.026	ppbv	#	12
7) Chloroethane	1.699	64	80	0.026	ppbv	#	81
8) Dichlorotetrafluoroethane	1.557	85	435	0.026	ppbv	#	80
9) Propene	1.489	41	3163	0.330	ppbv		98
10) Heptane	4.985	43	1192	0.046	ppbv	#	73
11) Trichlorofluoromethane	1.502	101	761	0.036	ppbv		93
12) 1,1,2-Trichlorotrifluo...	2.143	101	1178	0.074	ppbv		84
13) Ethanol	1.725	45	16700	22.753	ppbv	#	31
15) Acetone	1.839	43	104631	4.944	ppbv		98
16) 1,3-Butadiene	1.605	39	516	0.057	ppbv	#	16
17) tert-Butyl alcohol	2.042	59	1153	0.060	ppbv	#	46
19) Isopropyl Alcohol	1.890	45	7555	0.672	ppbv	#	1
20) Methylene Chloride	2.065	84	8754	1.313	ppbv		92
23) Vinyl Acetate	2.457	43	7329	0.286	ppbv	#	93
25) Ethyl Acetate	2.829	43	113028	2.413	ppbv	#	78
26) Hexane	2.829	57	156916	7.636	ppbv	#	41
29) Chloroform	2.852	83	1188	0.037	ppbv		96
34) 2-Butanone	2.567	43	10608	0.357	ppbv		100
35) Carbon Tetrachloride	3.768	117	1498	0.048	ppbv	#	86
36) Benzene	3.664	78	2050	0.052	ppbv	#	88
37) 1,2-Dichloroethane	3.221	62	567	0.024	ppbv	#	81
39) 1,2-Dichloropropane	3.962	63	109848	7.489	ppbv	#	20
41) Tetrahydrofuran	3.234	42	1480	0.098	ppbv	#	54
44) 2,2,4-Trimethylpentane	4.645	57	2203	0.034	ppbv	#	1
53) Toluene	6.943	91	4402	0.103	ppbv	#	21
58) Ethyl Benzene	9.535	91	5900	0.101	ppbv		97
59) m/p-Xylene	9.535	91	5900	0.126	ppbv	#	86
60) o-Xylene	9.969	91	2742	0.059	ppbv		96
72) 4-Ethyltoluene	11.131	105	1516	0.027	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.205	105	2080	0.045	ppbv	#	70
74) 1,2,4-Trimethylbenzene	11.536	105	8207	0.163	ppbv	#	56
79) Naphthalene	13.520	128	988	0.452	ppbv	#	78
80) Naphthalene,2-methyl-	14.474	142	151	1.133	ppbv	#	82
81) 1,2,4-Trichlorobenzene	13.448	180	25	0.436	ppbv	#	1

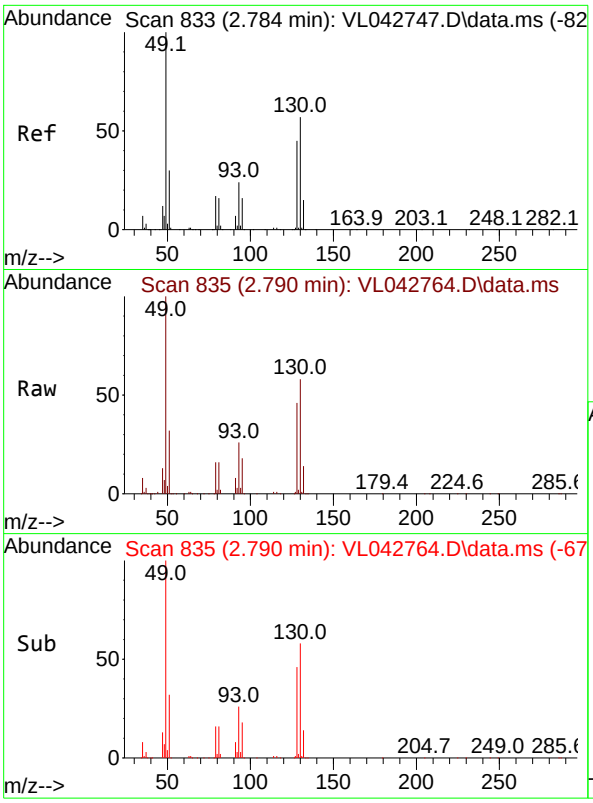
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042764.D
Acq On : 24 Jul 2025 14:28
Operator : SY/MD
Sample : Q2671-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Quant Time: Jul 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



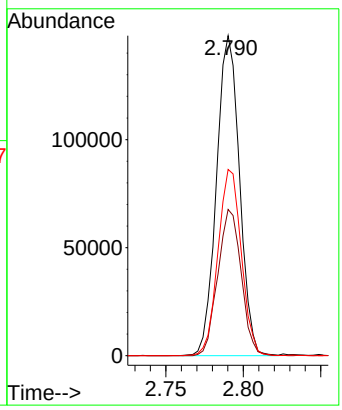


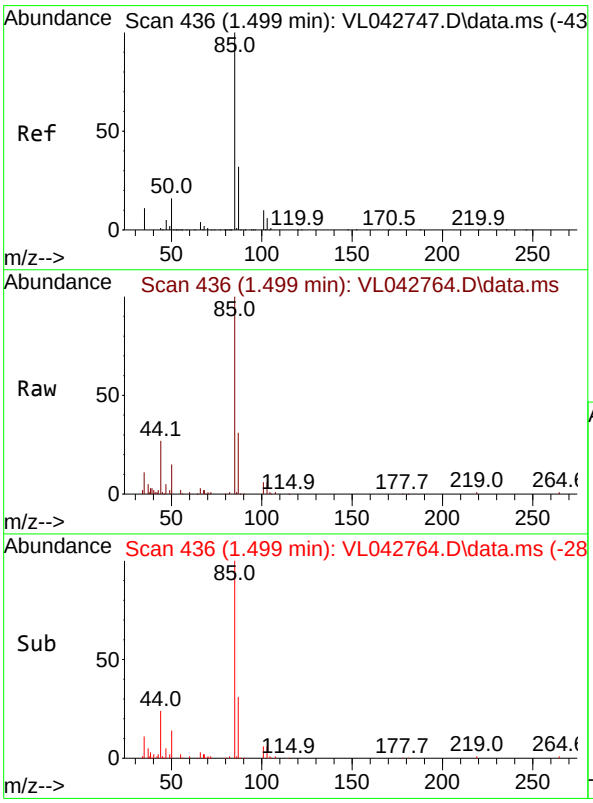
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 49 Resp: 153272

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.6	71.0
130	58.9	30.3	90.8

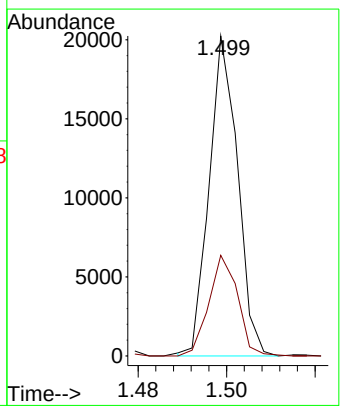


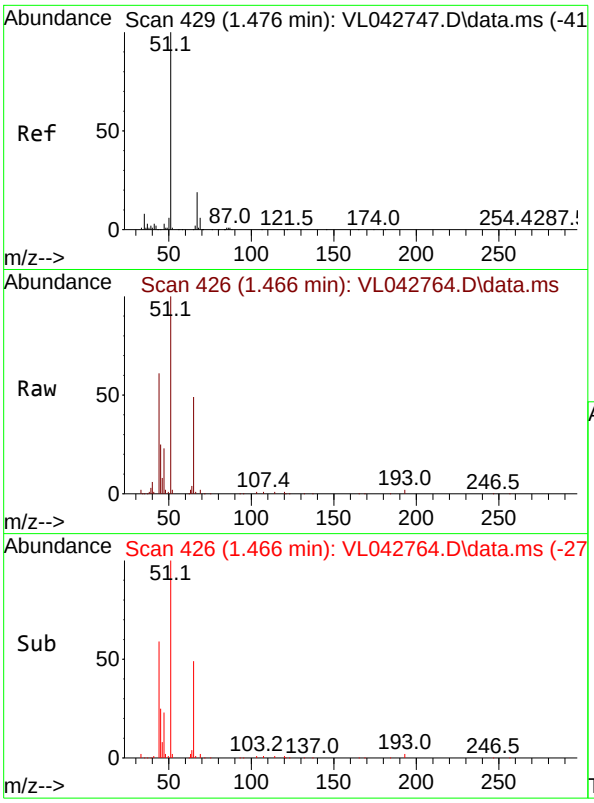


#2
Dichlorodifluoromethane
Concen: 0.445 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 85 Resp: 9014

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.4	38.2



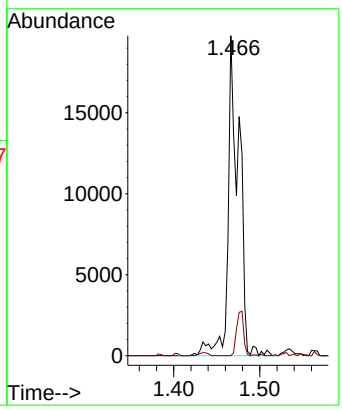


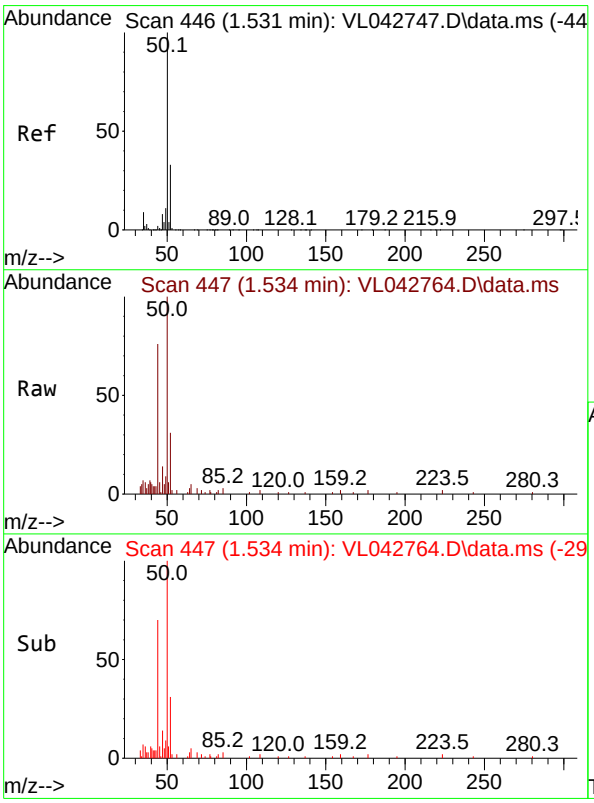
#3
Chlorodifluoromethane
Concen: 0.669 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 51 Resp: 17661

Ion	Ratio	Lower	Upper
51	100		
67	9.0	15.0	22.6#

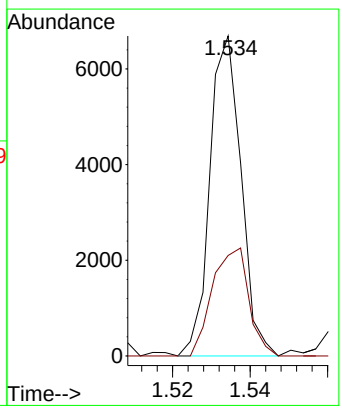


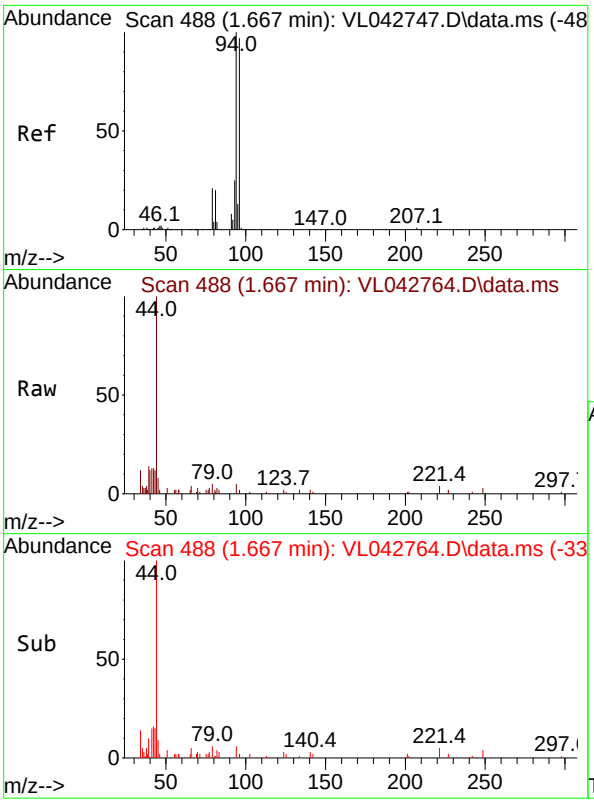


#4
Chloromethane
Concen: 0.456 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 50 Resp: 3742

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.6	40.0



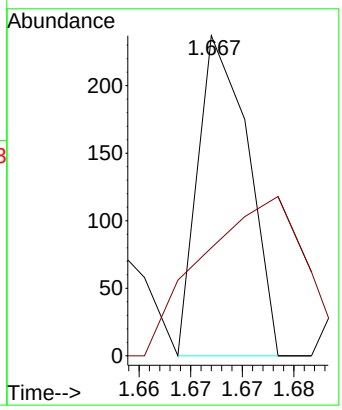


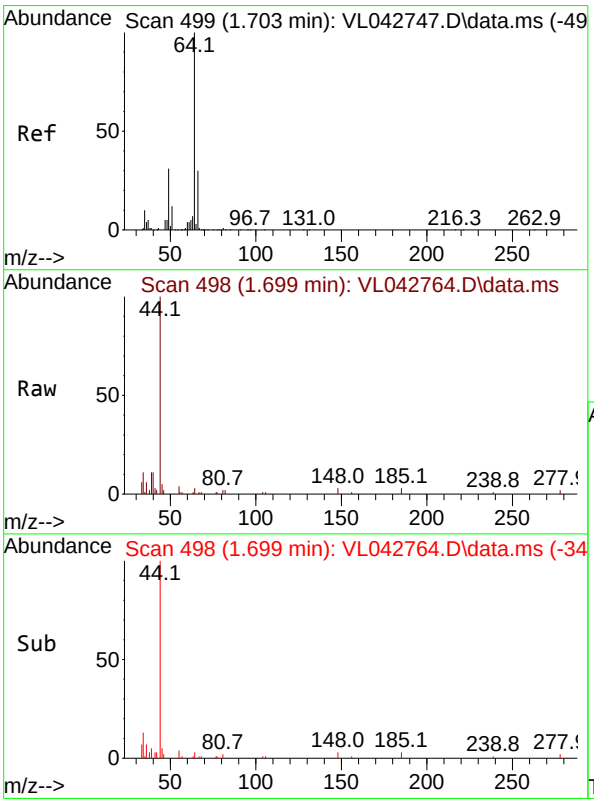
#6
Bromomethane
Concen: 0.026 ppbv
RT: 1.667 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 94 Resp: 80

Ion	Ratio	Lower	Upper
94	100		
96	10.1	77.6	116.4#

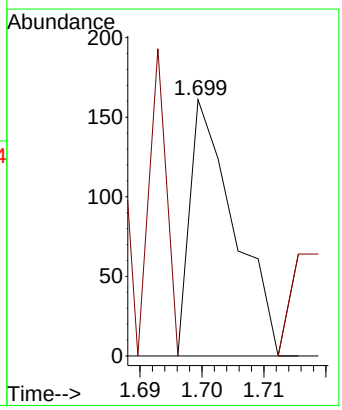


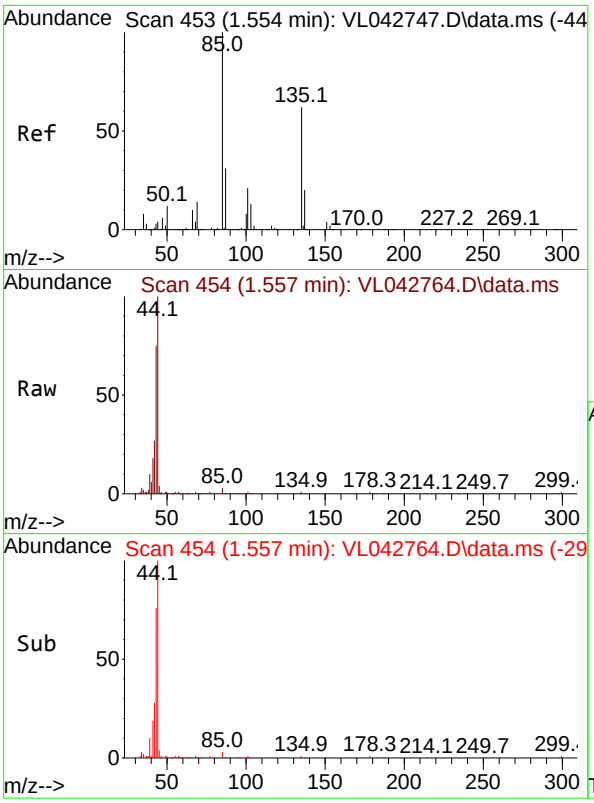


#7
Chloroethane
Concen: 0.026 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 64 Resp: 80

Ion	Ratio	Lower	Upper
64	100		
66	40.4	24.1	36.1#



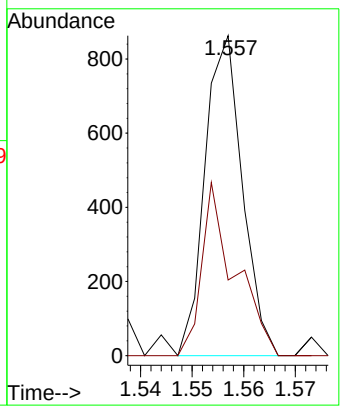


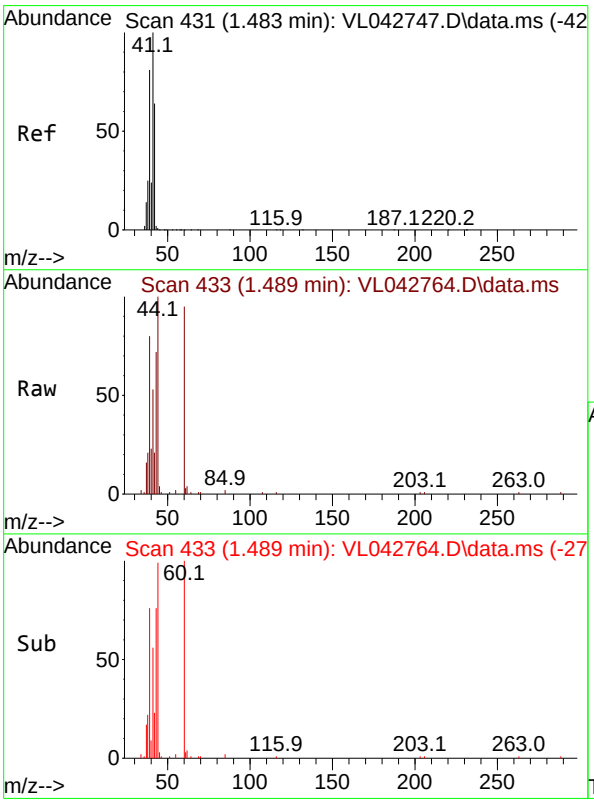
#8
Dichlorotetrafluoroethane
Concen: 0.026 ppbv
RT: 1.557 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 85 Resp: 435

Ion	Ratio	Lower	Upper
85	100		
135	48.0	50.6	76.0#

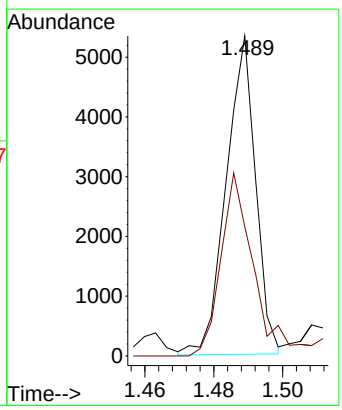


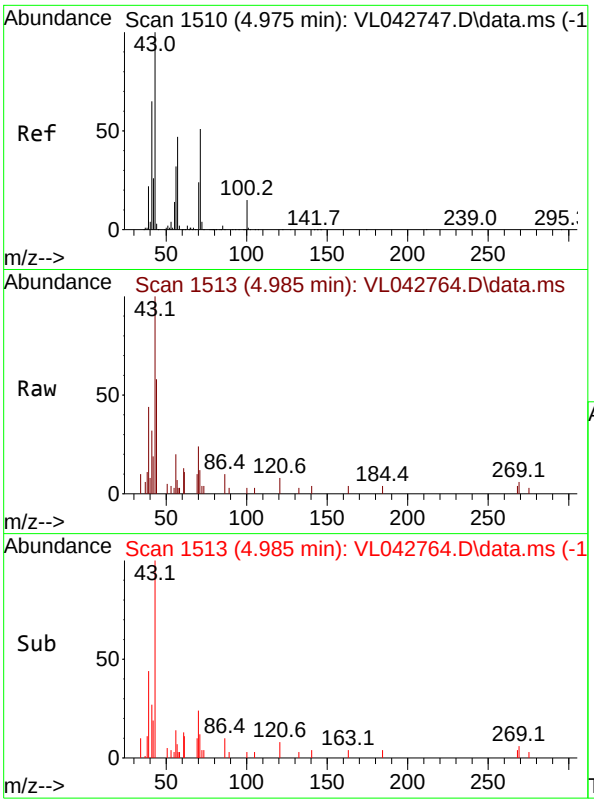


#9
Propene
Concen: 0.330 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 41 Resp: 3163

Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.2	79.8



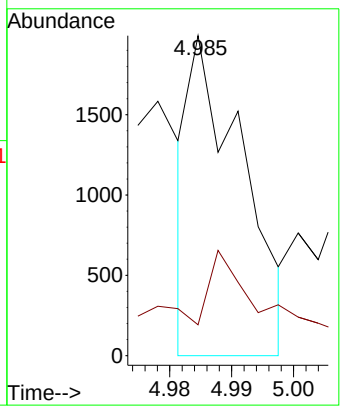


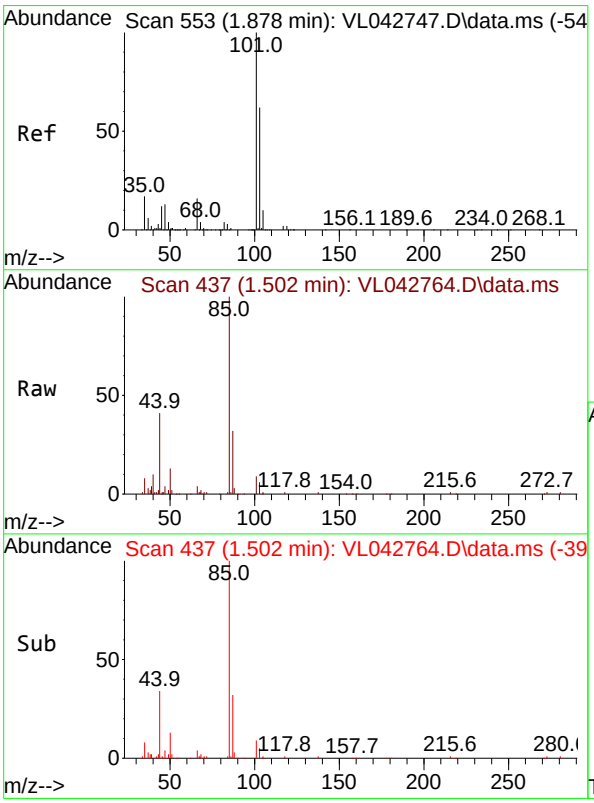
#10
Heptane
Concen: 0.046 ppbv
RT: 4.985 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 43 Resp: 1192

Ion	Ratio	Lower	Upper
43	100		
57	68.6	39.9	59.9#

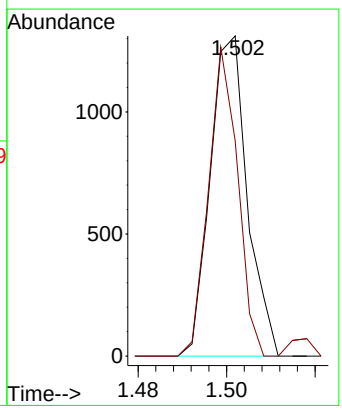


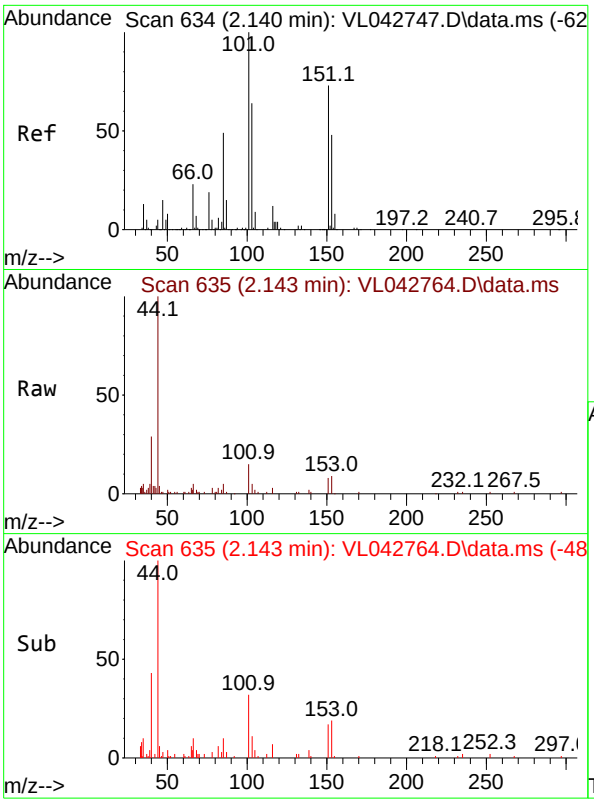


#11
Trichlorofluoromethane
Concen: 0.036 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.376 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:101 Resp: 761

Ion	Ratio	Lower	Upper
101	100		
103	67.3	49.6	74.4



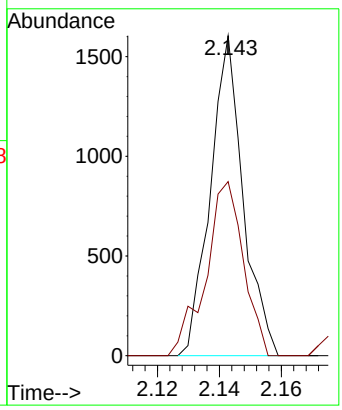


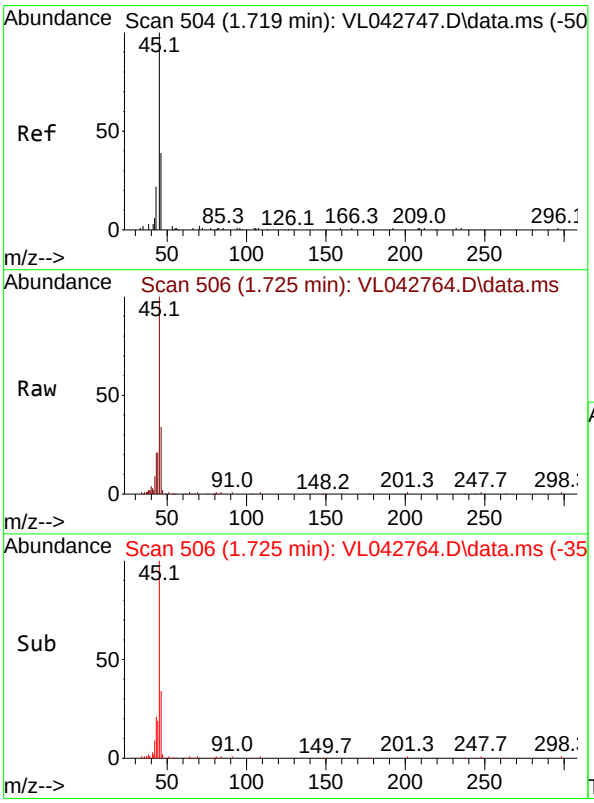
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.074 ppbv
RT: 2.143 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion:101 Resp: 1178

Ion	Ratio	Lower	Upper
101	100		
151	62.3	60.5	90.7

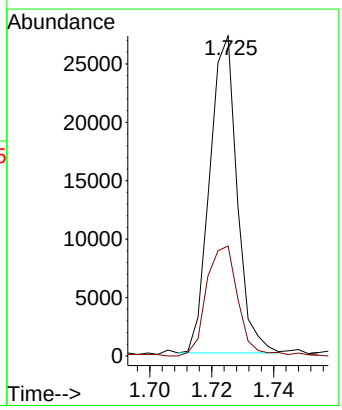


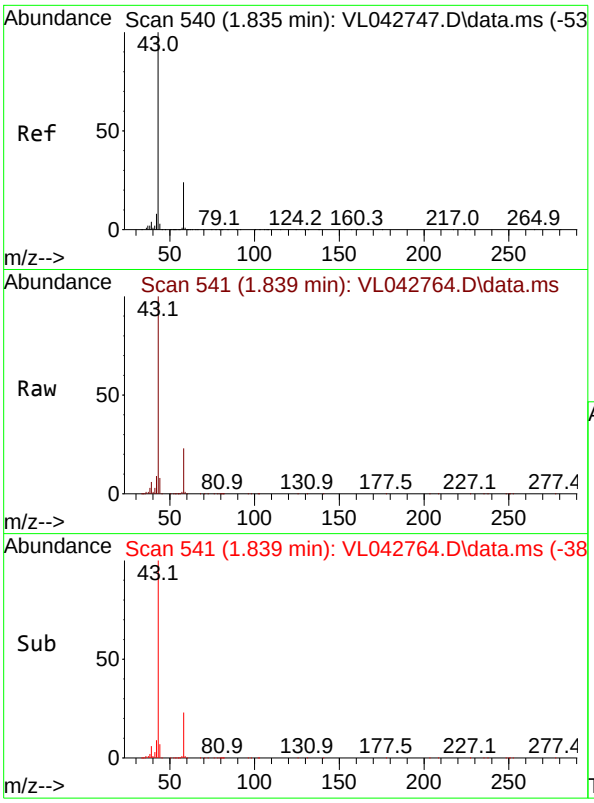


#13
Ethanol
Concen: 22.753 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 45 Resp: 16700

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#



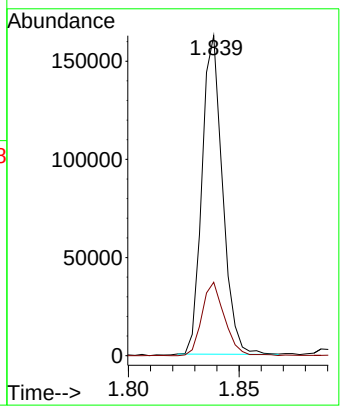


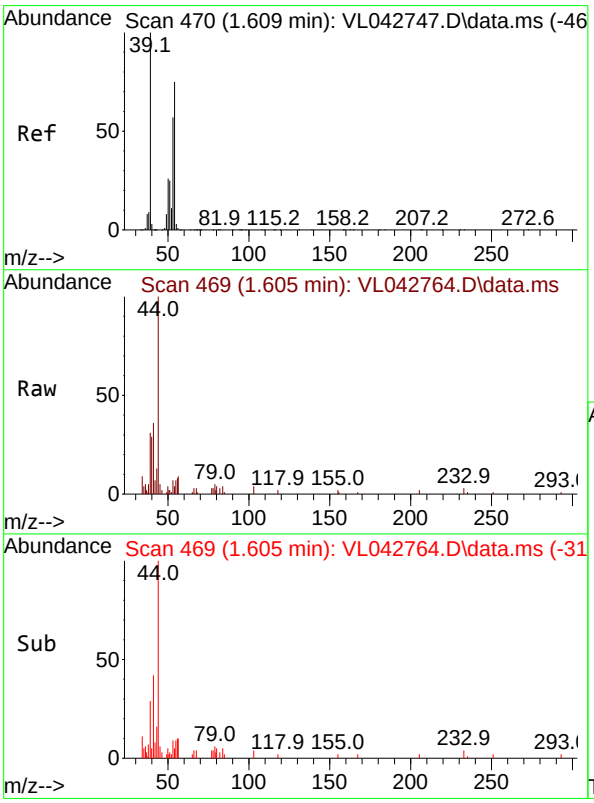
#15
Acetone
Concen: 4.944 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 43 Resp: 104631

Ion	Ratio	Lower	Upper
43	100		
58	25.9	19.8	29.8

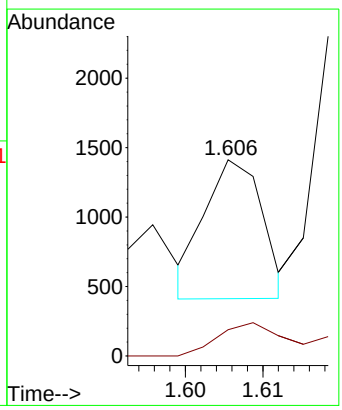


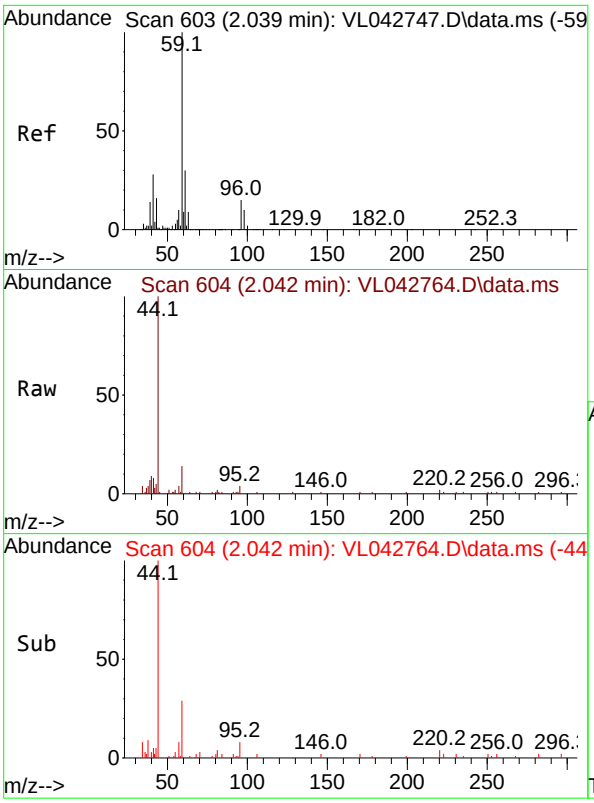


#16
1,3-Butadiene
Concen: 0.057 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 39 Resp: 516

Ion	Ratio	Lower	Upper
39	100		
54	0.0	54.5	81.7#



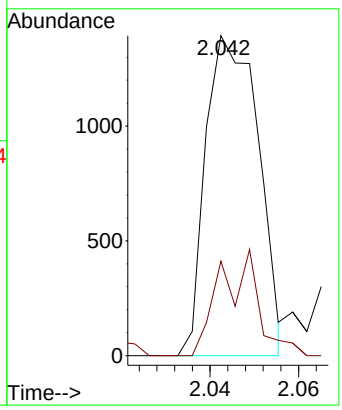


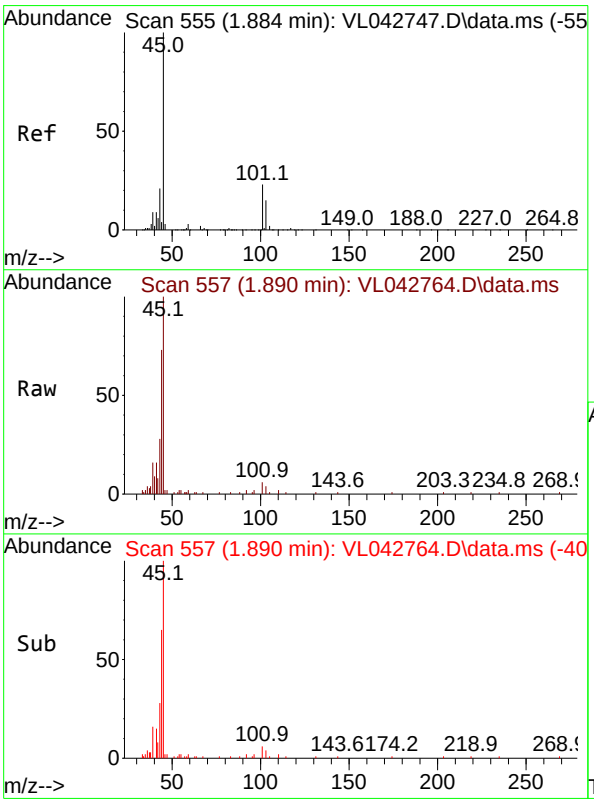
#17
tert-Butyl alcohol
Concen: 0.060 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 59 Resp: 1153

Ion	Ratio	Lower	Upper
59	100		
57	30.4	8.3	12.5#

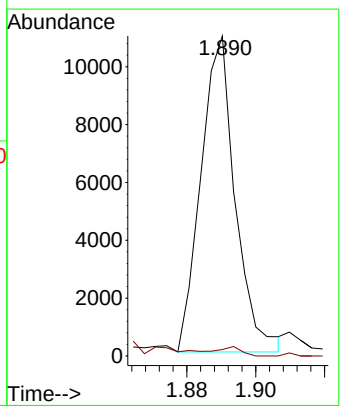


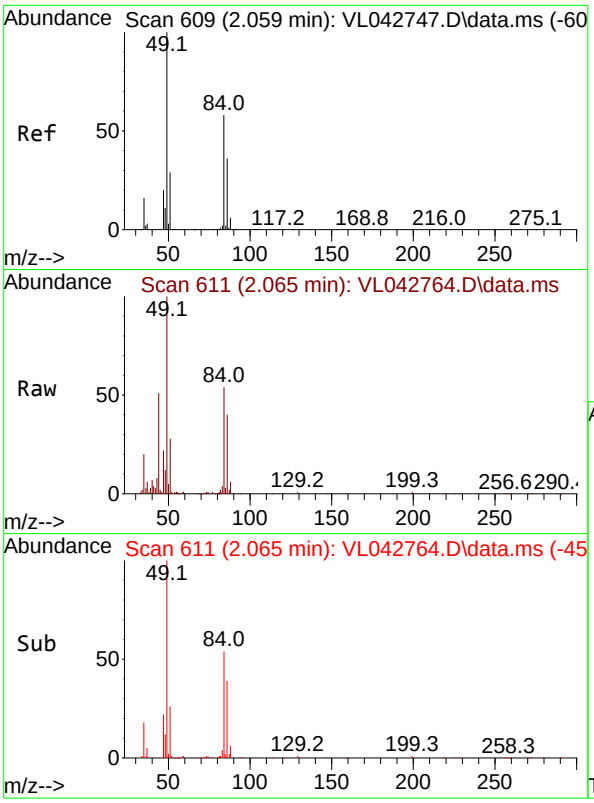


#19
Isopropyl Alcohol
Concen: 0.672 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 45 Resp: 7555

Ion	Ratio	Lower	Upper
45	100		
58	357.7	30.0	45.0#



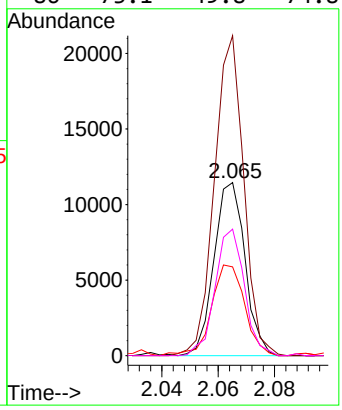


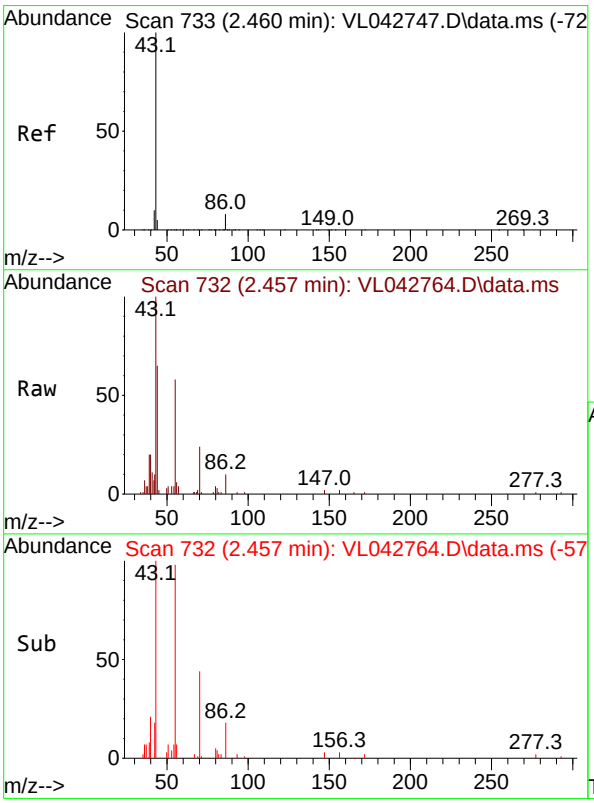
#20
Methylene Chloride
Concen: 1.313 ppbv
RT: 2.065 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 84 Resp: 8754

Ion	Ratio	Lower	Upper
84	100		
49	184.0	138.6	208.0
51	51.4	40.6	61.0
86	73.1	49.8	74.8

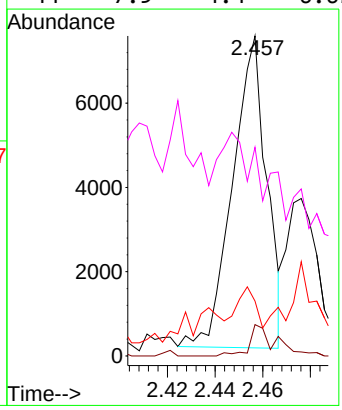


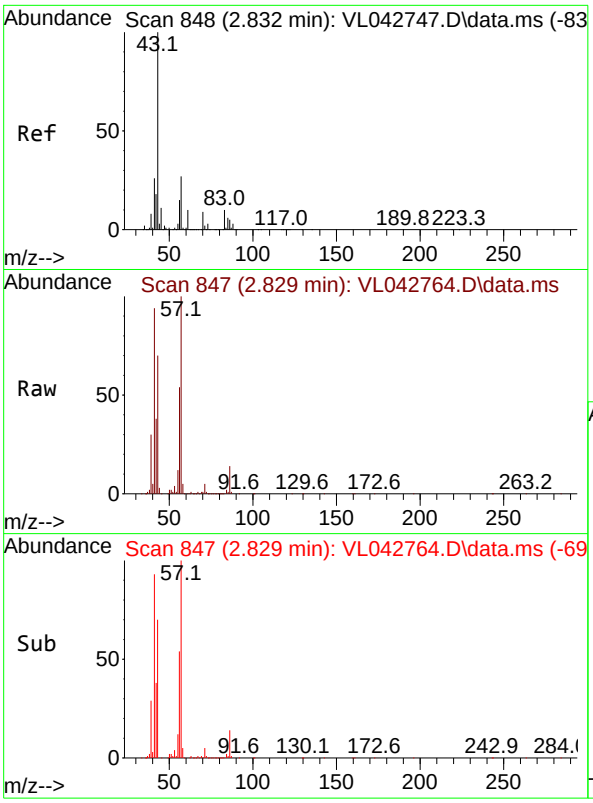


#23
Vinyl Acetate
Concen: 0.286 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 43 Resp: 7329

Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.1	9.1#
42	7.5	7.8	11.8#
44	7.9	4.4	6.6#



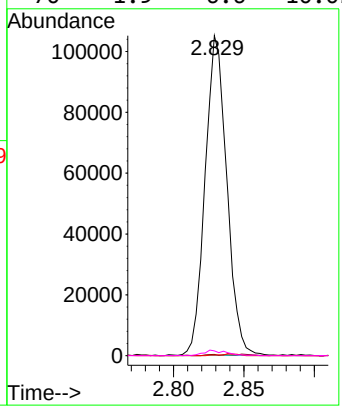


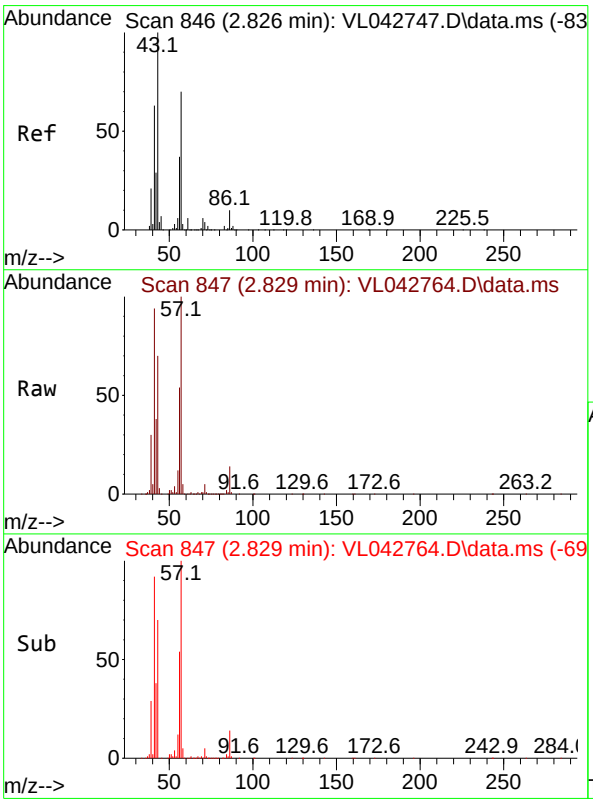
#25
Ethyl Acetate
Concen: 2.413 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 43 Resp: 113028

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.8	11.6#
61	0.5	6.7	10.1#
70	1.9	6.6	10.0#

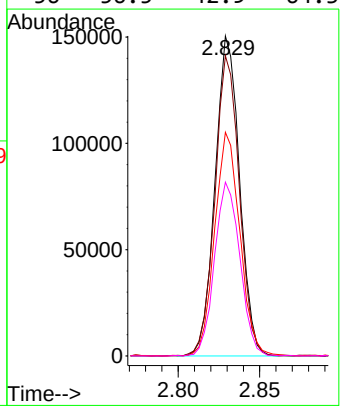


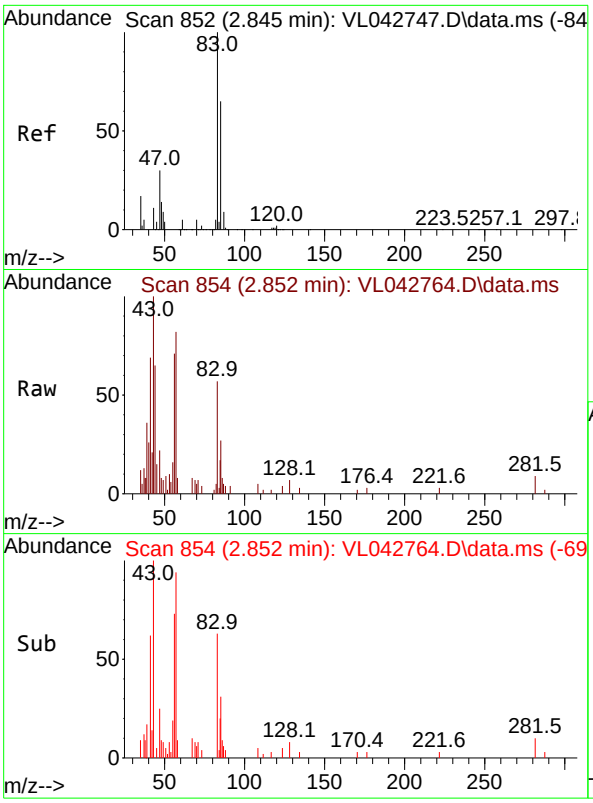


#26
Hexane
Concen: 7.636 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 57 Resp: 156916

Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.4	113.2
43	72.7	185.0	277.6#
56	56.5	42.9	64.3



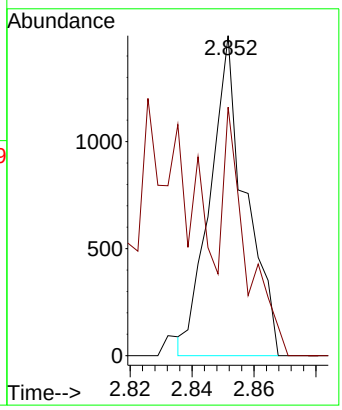


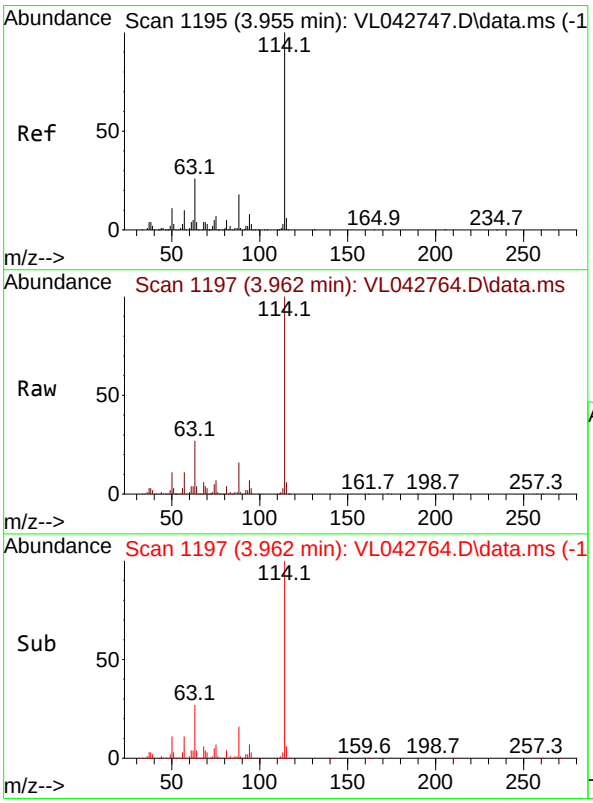
#29
Chloroform
Concen: 0.037 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 83 Resp: 1188

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.2	78.2

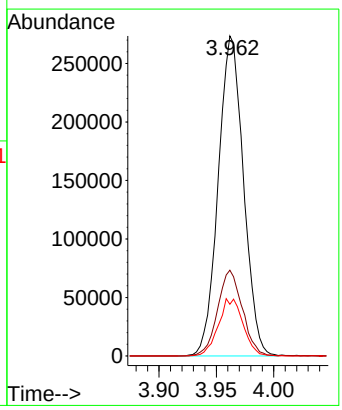


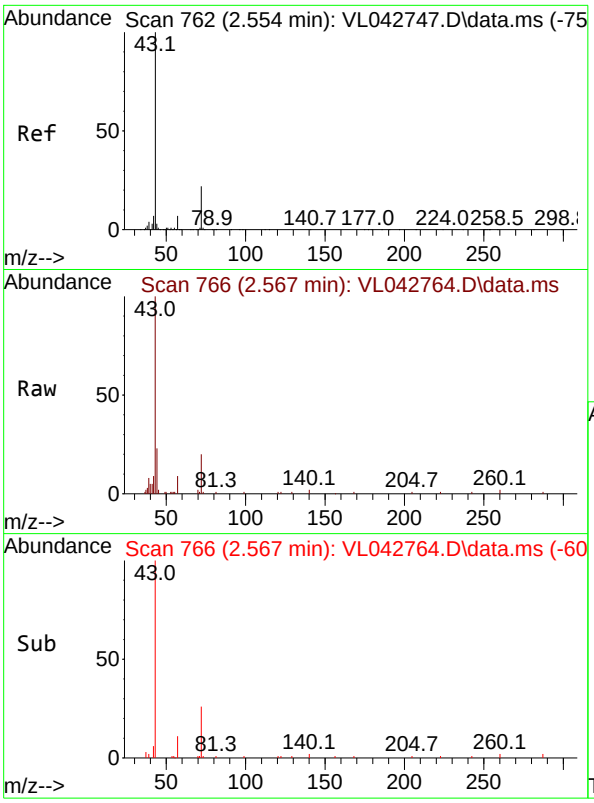


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:114 Resp: 419258

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.5	30.7
88	17.6	14.0	21.0



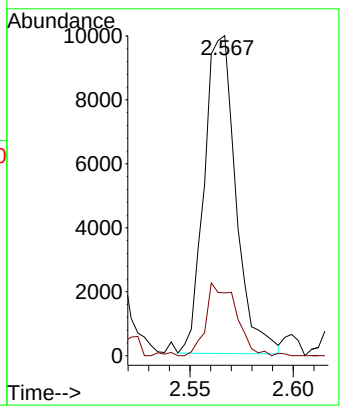


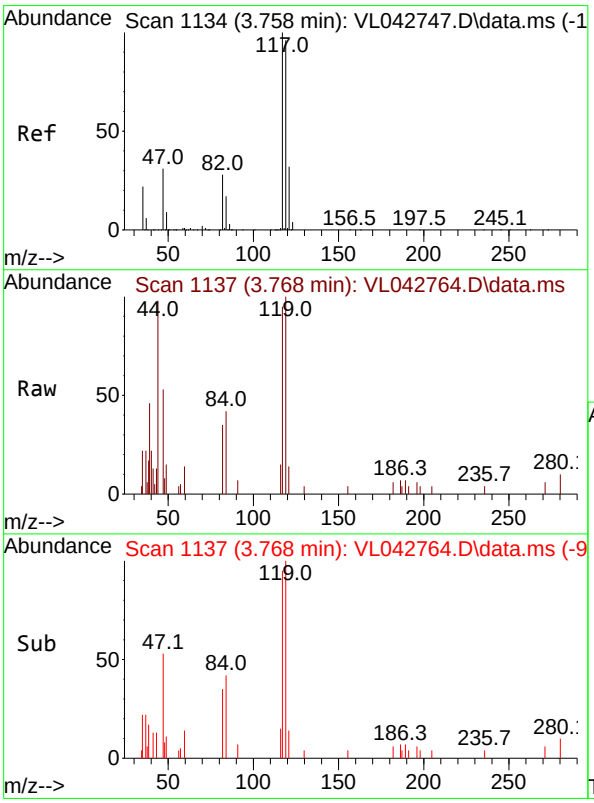
#34
2-Butanone
Concen: 0.357 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 43 Resp: 10608

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.0

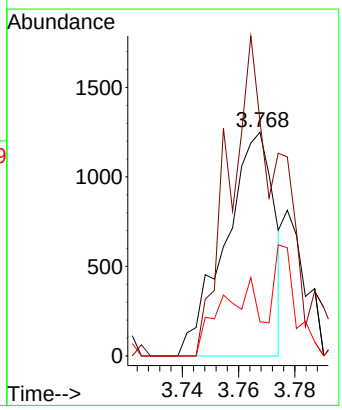


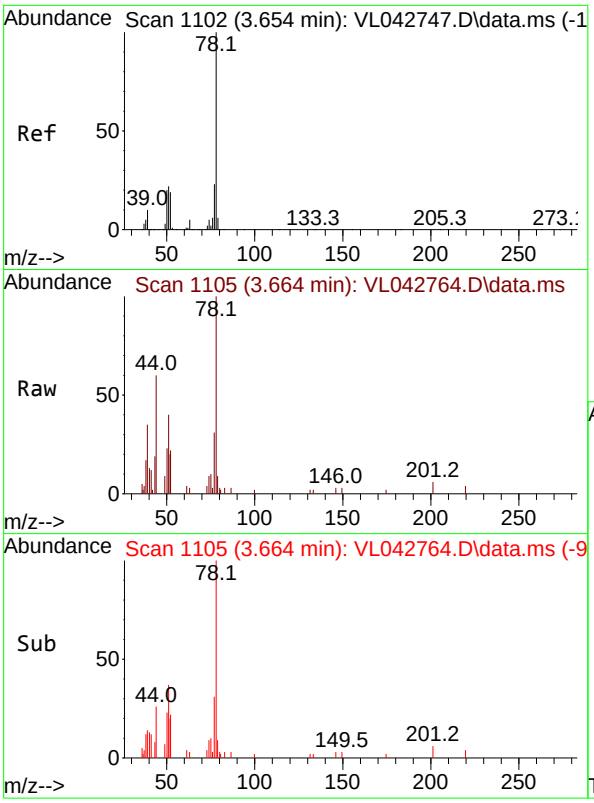


#35
Carbon Tetrachloride
Concen: 0.048 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:117 Resp: 1498

Ion	Ratio	Lower	Upper
117	100		
119	105.0	77.1	115.7
121	15.2	25.5	38.3#



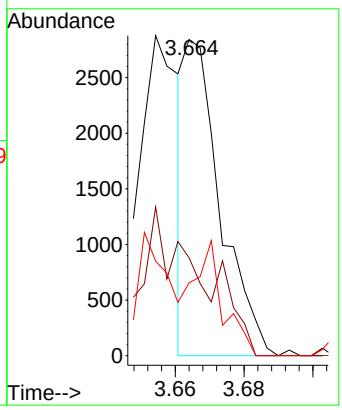


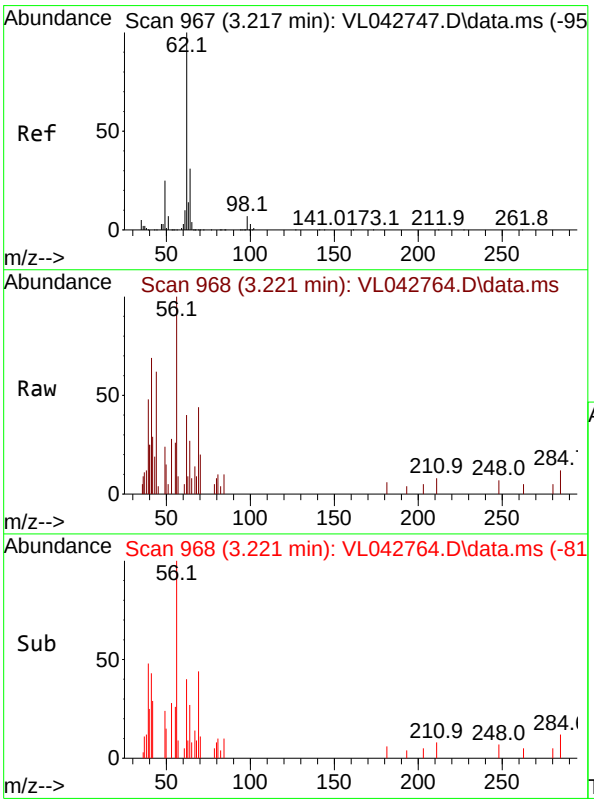
#36
Benzene
Concen: 0.052 ppbv
RT: 3.664 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 78 Resp: 2050

Ion	Ratio	Lower	Upper
78	100		
77	31.0	18.5	27.7#
50	23.0	16.2	24.2

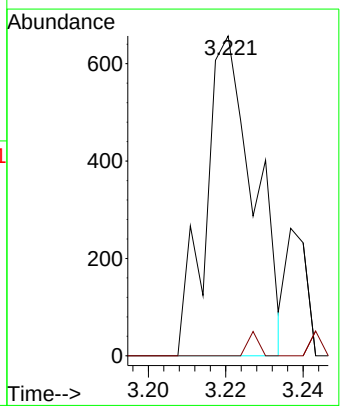


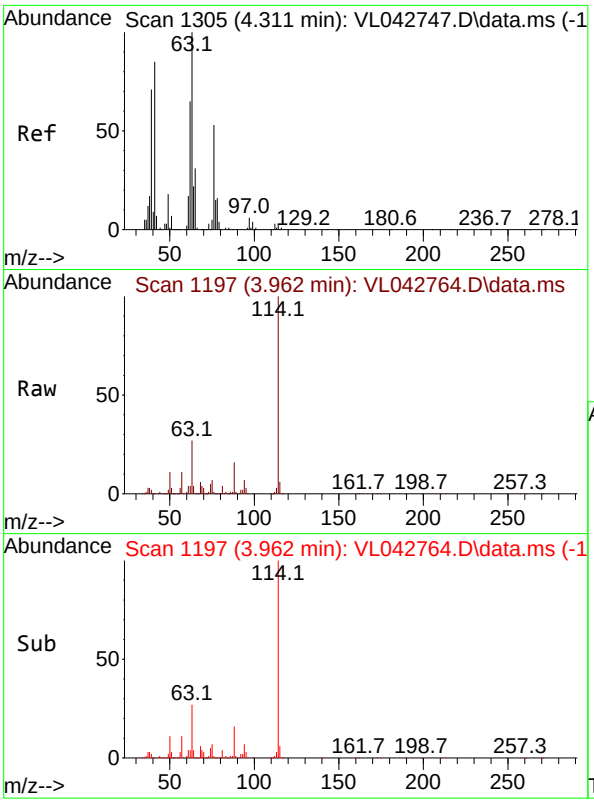


#37
1,2-Dichloroethane
Concen: 0.024 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 62 Resp: 567

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#



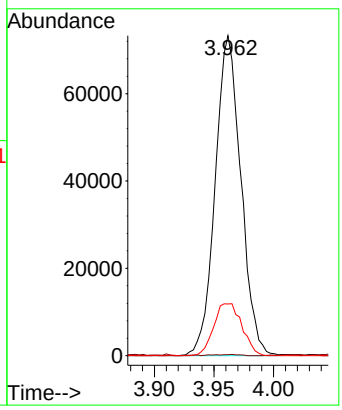


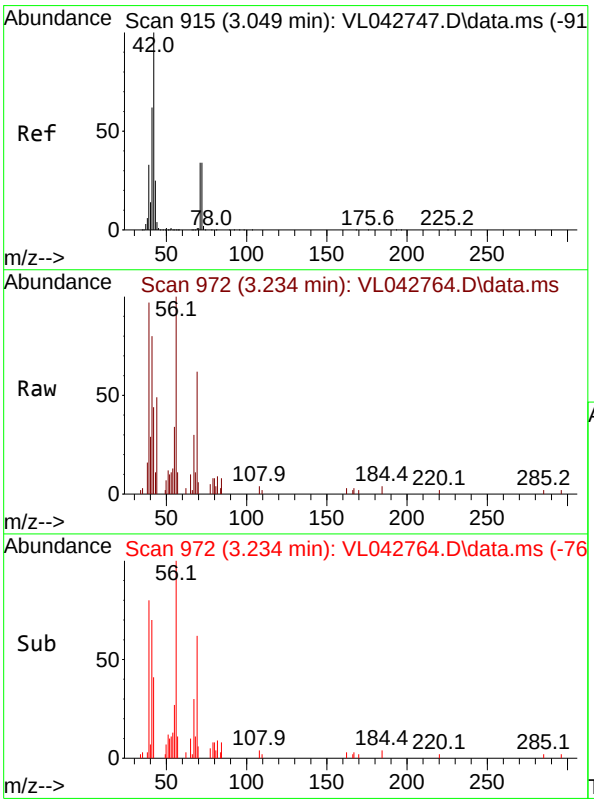
#39
1,2-Dichloropropane
Concen: 7.489 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.350 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 63 Resp: 109848

Ion	Ratio	Lower	Upper
63	100		
41	0.3	68.2	102.4#
62	16.2	52.0	78.0#

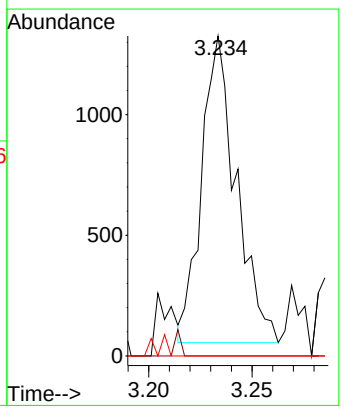


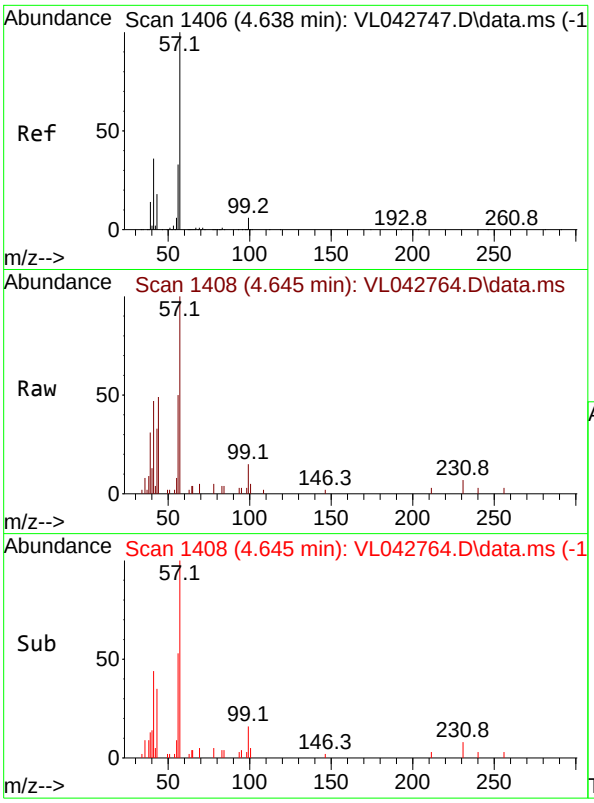


#41
Tetrahydrofuran
Concen: 0.098 ppbv
RT: 3.234 min Scan# 972
Delta R.T. 0.184 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 42 Resp: 1480

Ion	Ratio	Lower	Upper
42	100		
72	19.7	30.9	46.3#
71	0.0	28.6	43.0#



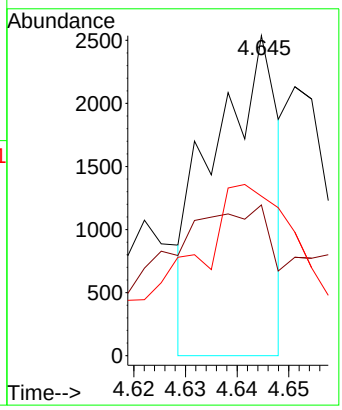


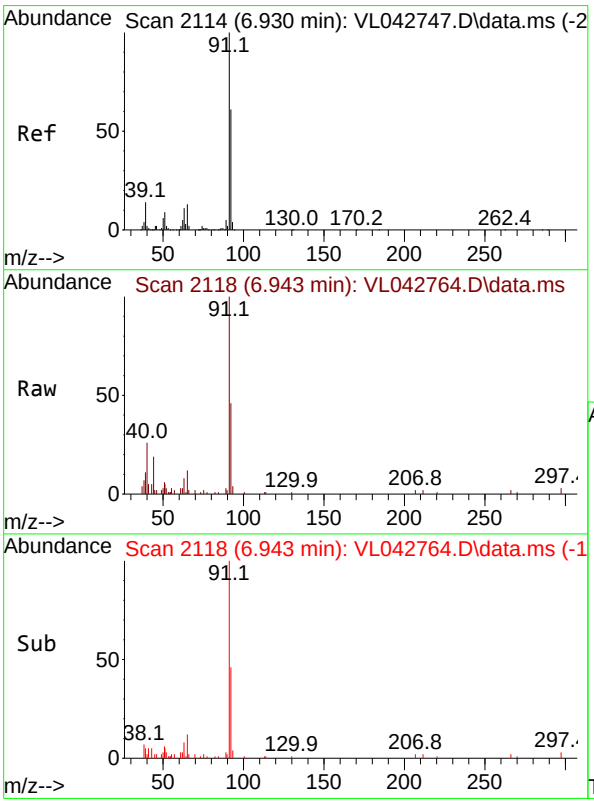
#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 4.645 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 57 Resp: 2203

Ion	Ratio	Lower	Upper
57	100		
41	135.1	28.3	42.5#
56	133.5	25.8	38.6#

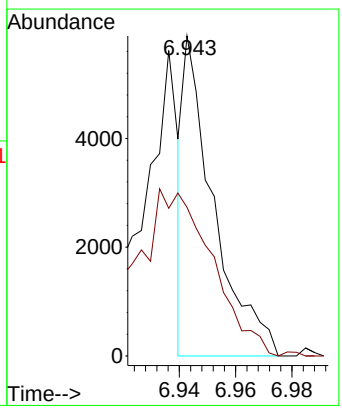


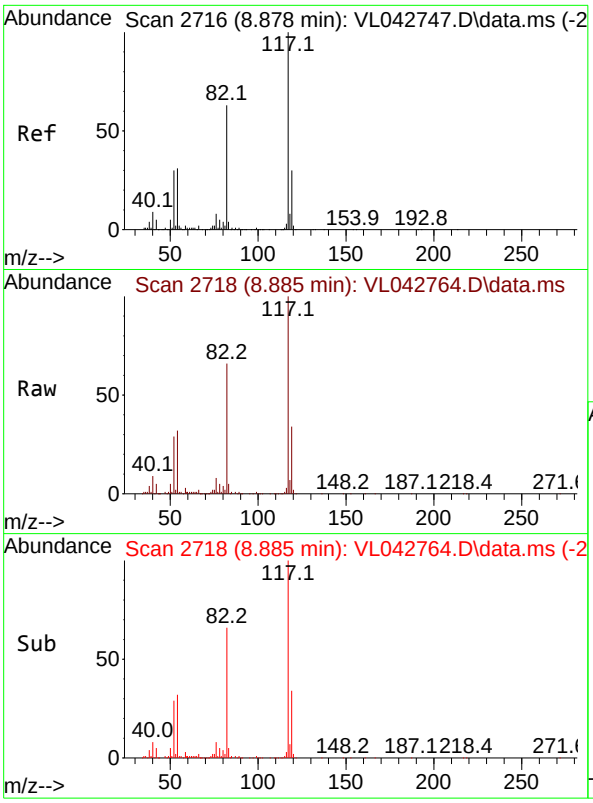


#53
Toluene
Concen: 0.103 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 91 Resp: 4402

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.0	72.0#



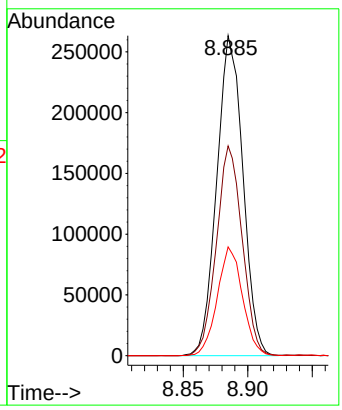


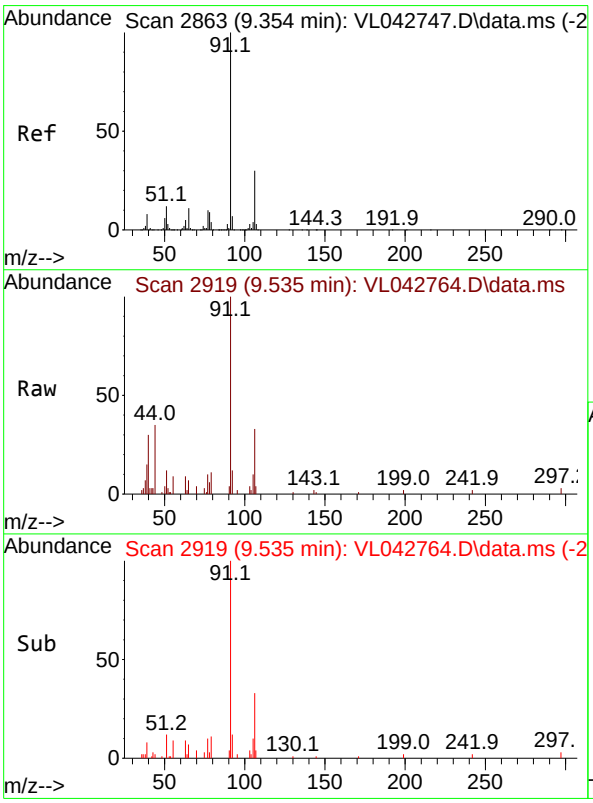
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion:117 Resp: 371493

Ion	Ratio	Lower	Upper
117	100		
82	64.5	53.3	79.9
119	33.0	25.8	38.6

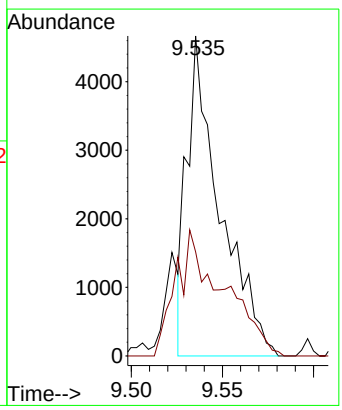


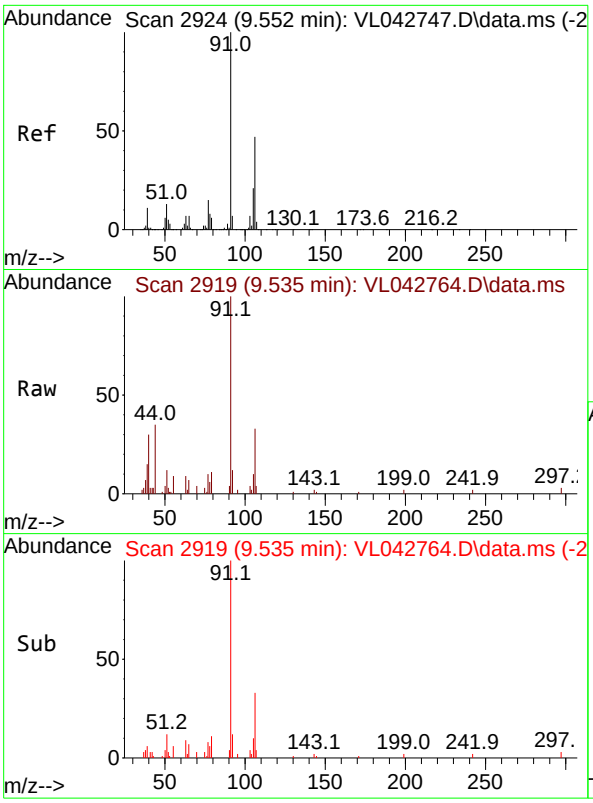


#58
Ethyl Benzene
Concen: 0.101 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. 0.181 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 91 Resp: 5900

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.8	35.6



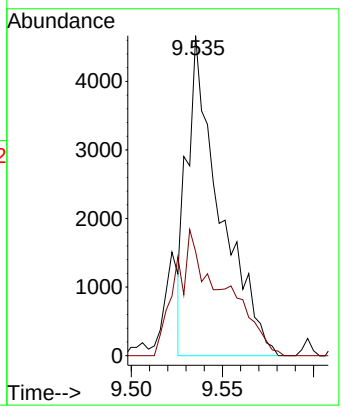


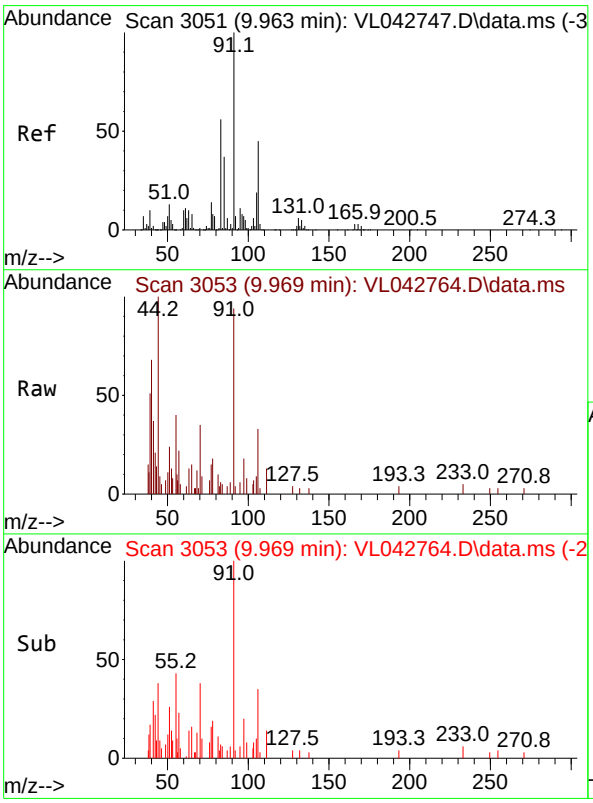
#59
m/p-Xylene
Concen: 0.126 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 91 Resp: 5900

Ion	Ratio	Lower	Upper
91	100		
106	56.4	37.4	56.2#

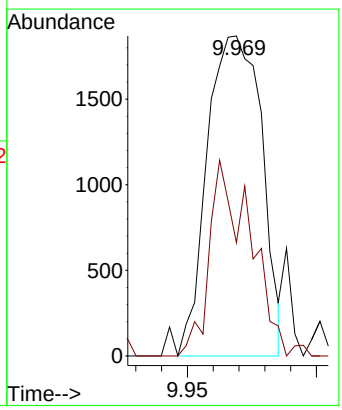


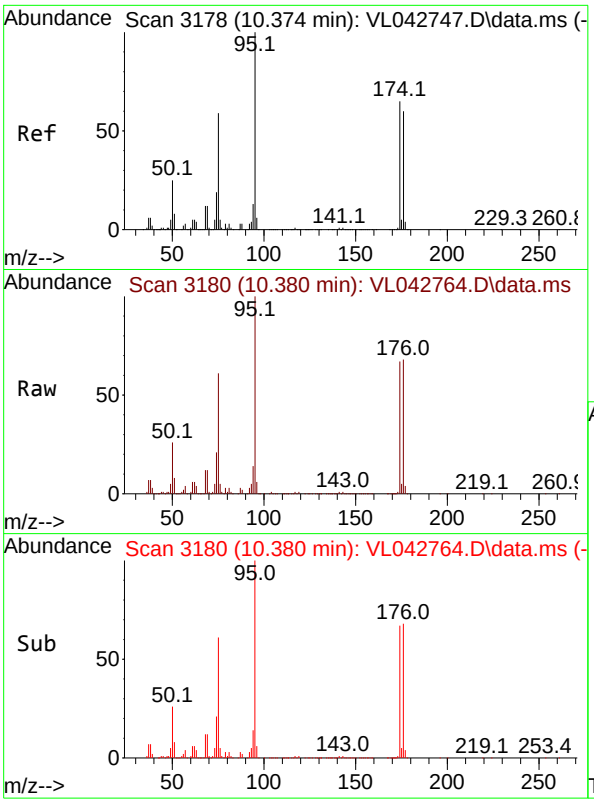


#60
o-Xylene
Concen: 0.059 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 91 Resp: 2742

Ion	Ratio	Lower	Upper
91	100		
106	46.9	22.0	66.0



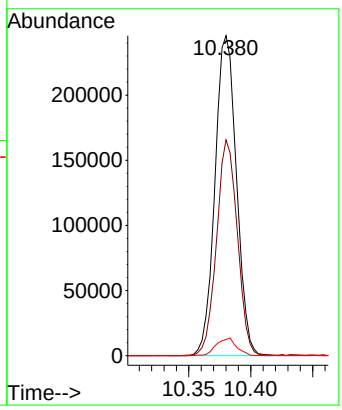


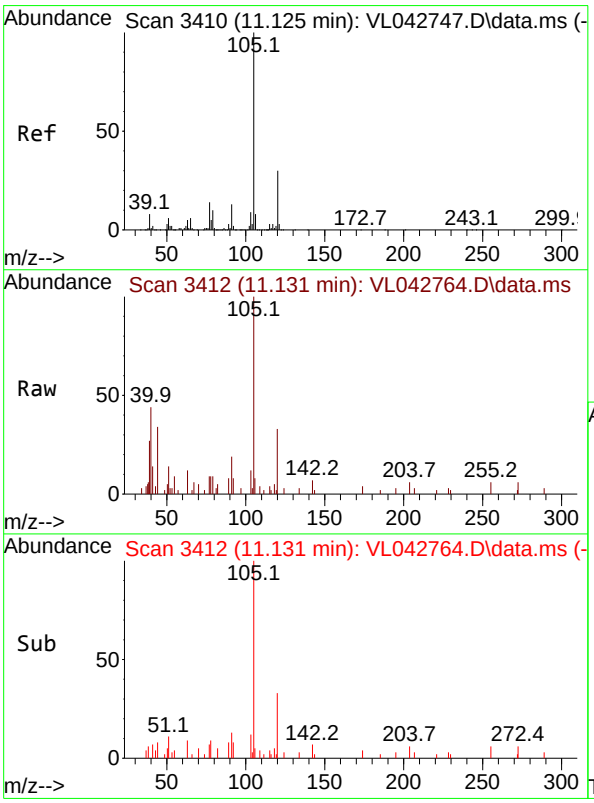
#68
1-Bromo-4-Fluorobenzene
Concen: 10.111 ppbv
RT: 10.380 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 95 Resp: 297462

Ion	Ratio	Lower	Upper
95	100		
174	65.4	53.8	80.6
175	5.2	4.0	6.0

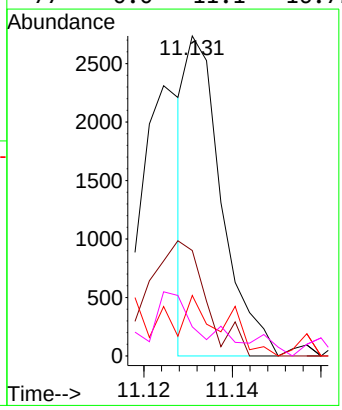


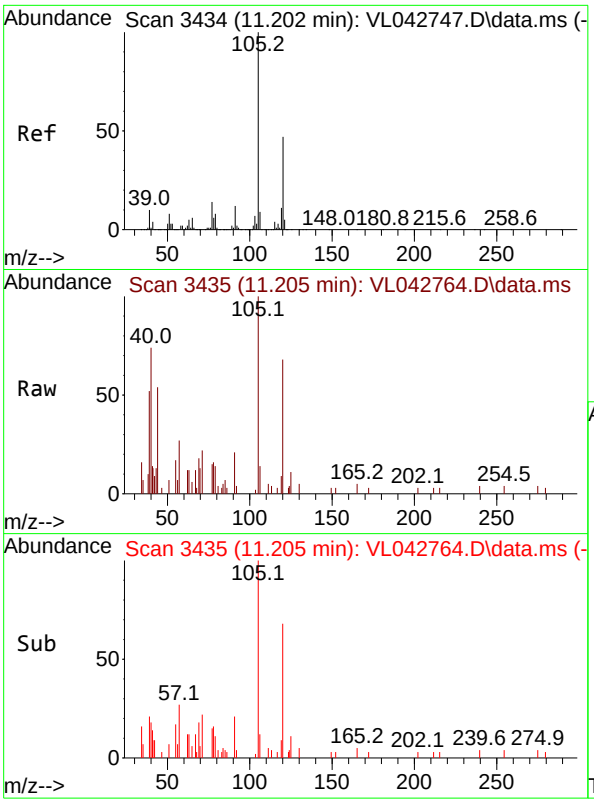


#72
4-Ethyltoluene
Concen: 0.027 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:105 Resp: 1516

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.4	36.6#
91	0.0	10.6	15.8#
77	0.0	11.1	16.7#



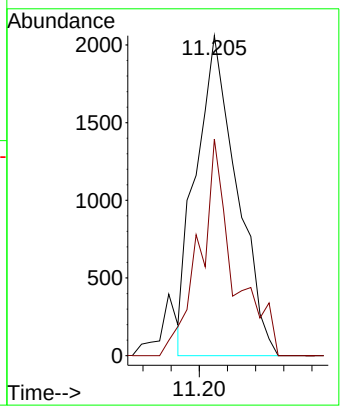


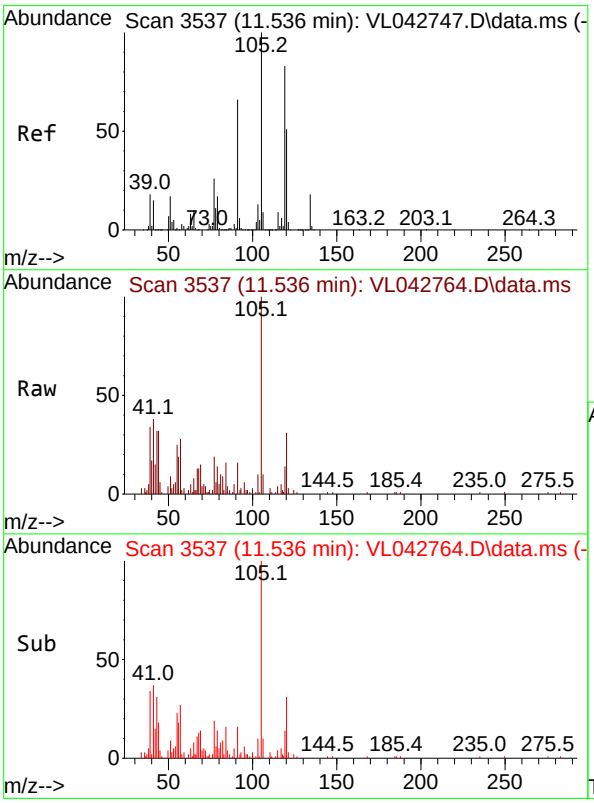
#73
1,3,5-Trimethylbenzene
Concen: 0.045 ppbv
RT: 11.205 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion:105 Resp: 2080

Ion	Ratio	Lower	Upper
105	100		
120	67.7	37.8	56.8#

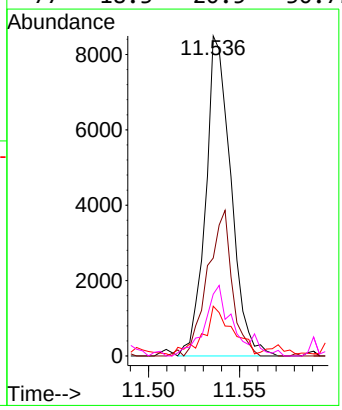


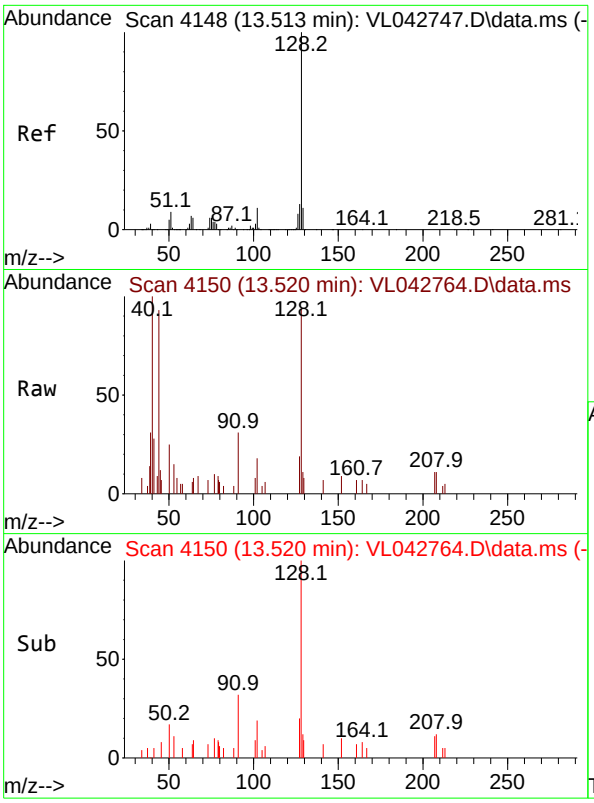


#74
1,2,4-Trimethylbenzene
Concen: 0.163 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:105 Resp: 8207

Ion	Ratio	Lower	Upper
105	100		
120	30.6	40.8	61.2#
91	12.8	53.0	79.4#
77	18.3	20.5	30.7#



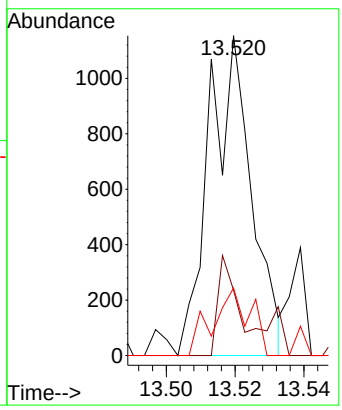


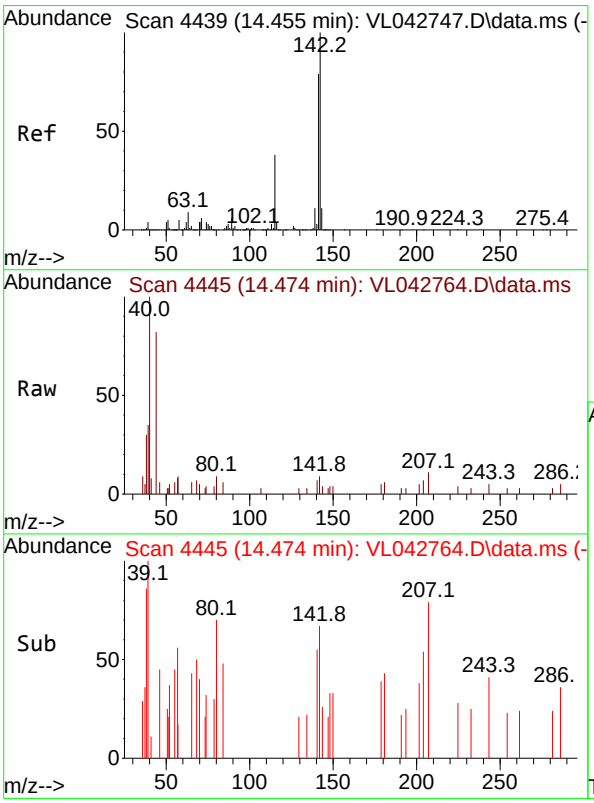
#79
Naphthalene
Concen: 0.452 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion:128 Resp: 988

Ion	Ratio	Lower	Upper
128	100		
127	20.5	10.5	15.7#
129	21.1	8.6	13.0#

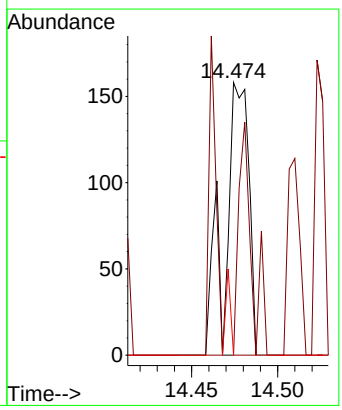


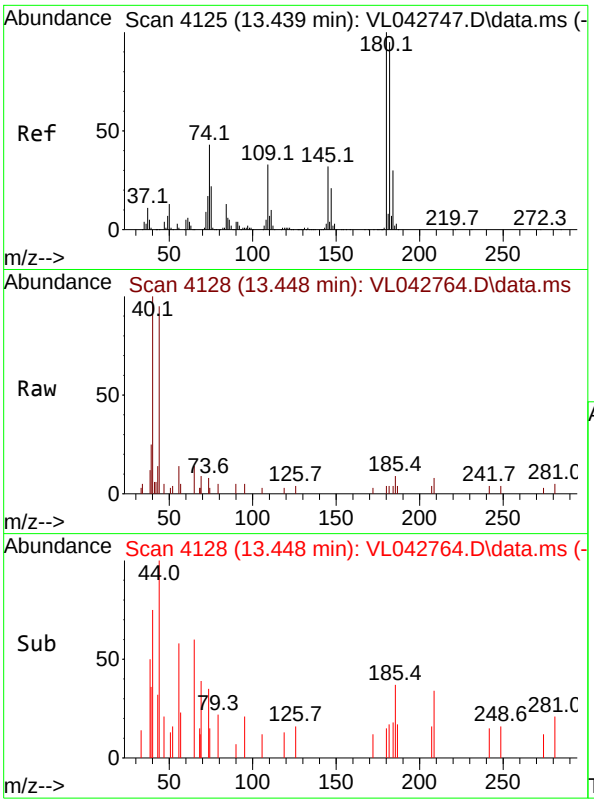


#80
Naphthalene,2-methyl-
Concen: 1.133 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:142 Resp: 151

Ion	Ratio	Lower	Upper
142	100		
141	81.5	65.8	98.8
115	6.6	31.2	46.8#



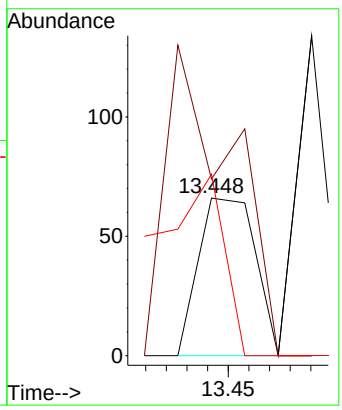


#81
1,2,4-Trichlorobenzene
Concen: 0.436 ppbv
RT: 13.448 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion:180 Resp: 25

Ion	Ratio	Lower	Upper
180	100		
182	232.0	76.2	114.2#
184	140.0	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042765.D
Acq On : 24 Jul 2025 15:05
Operator : SY/MD
Sample : Q2671-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Quant Time: Jul 25 01:27:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

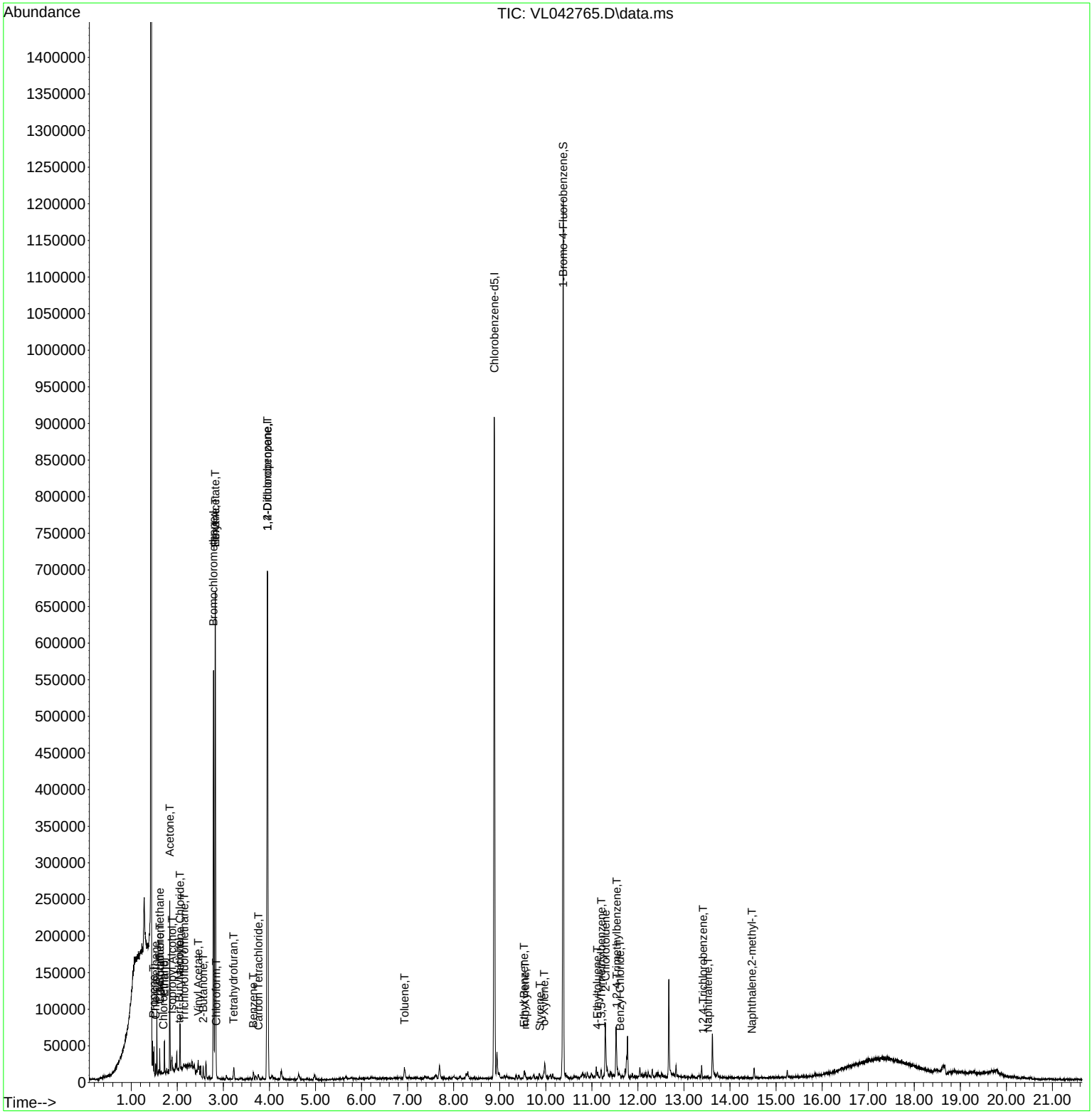
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	152008	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	406880	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	361575	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	293717	10.257	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	1.619	51	823	0.031	ppbv		95
4) Chloromethane	1.528	50	3365	0.414	ppbv		95
7) Chloroethane	1.700	64	72	0.023	ppbv	#	45
9) Propene	1.483	41	2154	0.226	ppbv		100
11) Trichlorofluoromethane	2.150	101	465	0.022	ppbv		86
13) Ethanol	1.722	45	15626	21.402	ppbv	#	31
15) Acetone	1.836	43	94769	4.515	ppbv		99
16) 1,3-Butadiene	1.619	39	2017	0.225	ppbv	#	16
17) tert-Butyl alcohol	2.043	59	1193	0.063	ppbv	#	84
19) Isopropyl Alcohol	1.888	45	7336	0.658	ppbv	#	1
20) Methylene Chloride	2.059	84	8513	1.287	ppbv		96
23) Vinyl Acetate	2.454	43	7576	0.298	ppbv	#	76
25) Ethyl Acetate	2.826	43	111582	2.402	ppbv	#	78
26) Hexane	2.826	57	157154	7.711	ppbv	#	41
29) Chloroform	2.849	83	1294	0.041	ppbv		90
34) 2-Butanone	2.564	43	10963	0.380	ppbv		95
35) Carbon Tetrachloride	3.762	117	963	0.032	ppbv	#	46
36) Benzene	3.651	78	3809	0.099	ppbv	#	79
39) 1,2-Dichloropropane	3.959	63	107432	7.548	ppbv	#	20
41) Tetrahydrofuran	3.224	42	652	0.044	ppbv	#	51
53) Toluene	6.933	91	7822	0.189	ppbv		84
58) Ethyl Benzene	9.529	91	3093	0.054	ppbv		94
59) m/p-Xylene	9.552	91	922	0.020	ppbv	#	30
60) o-Xylene	9.966	91	1150	0.025	ppbv	#	32
61) Styrene	9.872	104	550	0.029	ppbv	#	80
66) Benzyl Chloride	11.614	91	137	0.028	ppbv	#	65
71) 2-Chlorotoluene	11.300	91	1798	0.035	ppbv		80
72) 4-Ethyltoluene	11.122	105	2535	0.047	ppbv	#	90
73) 1,3,5-Trimethylbenzene	11.209	105	2187	0.049	ppbv	#	86
74) 1,2,4-Trimethylbenzene	11.539	105	8363	0.171	ppbv	#	59
79) Naphthalene	13.523	128	463	0.443	ppbv	#	80
80) Naphthalene,2-methyl-	14.475	142	139	1.133	ppbv	#	56
81) 1,2,4-Trichlorobenzene	13.416	180	24	0.436	ppbv	#	1

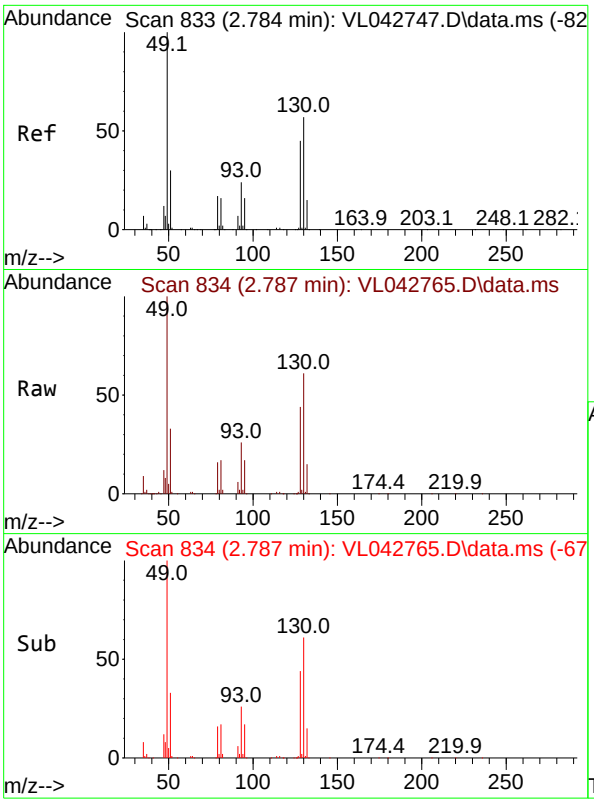
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042765.D
Acq On : 24 Jul 2025 15:05
Operator : SY/MD
Sample : Q2671-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Quant Time: Jul 25 01:27:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



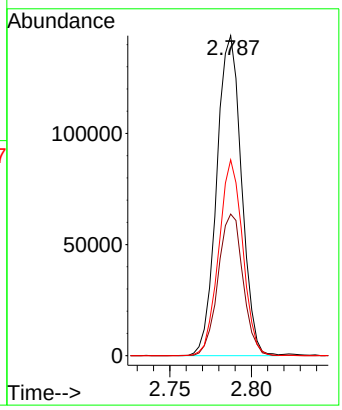


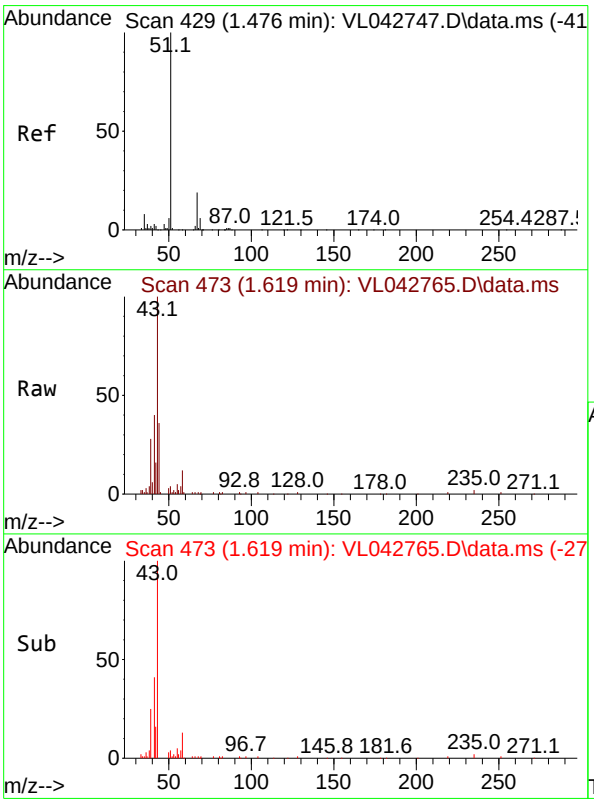
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 49 Resp: 152008

Ion	Ratio	Lower	Upper
49	100		
128	44.6	23.6	71.0
130	59.1	30.3	90.8

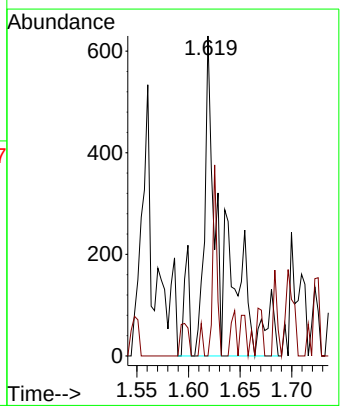


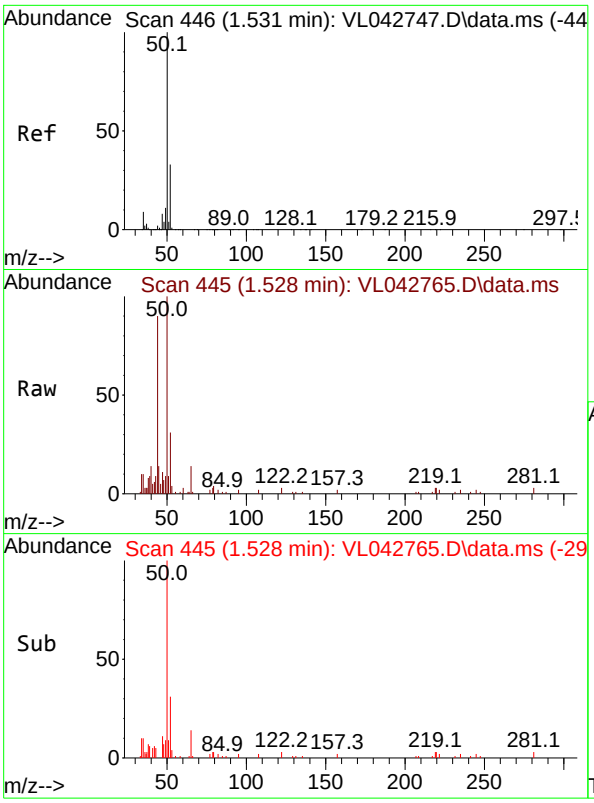


#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.143 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 51 Resp: 823

Ion	Ratio	Lower	Upper
51	100		
67	16.4	15.0	22.6



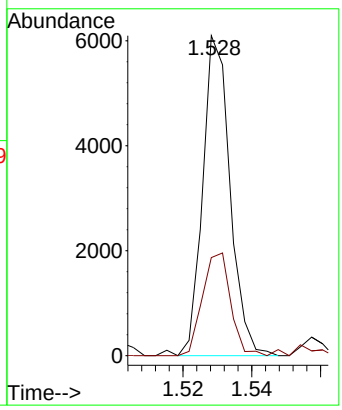


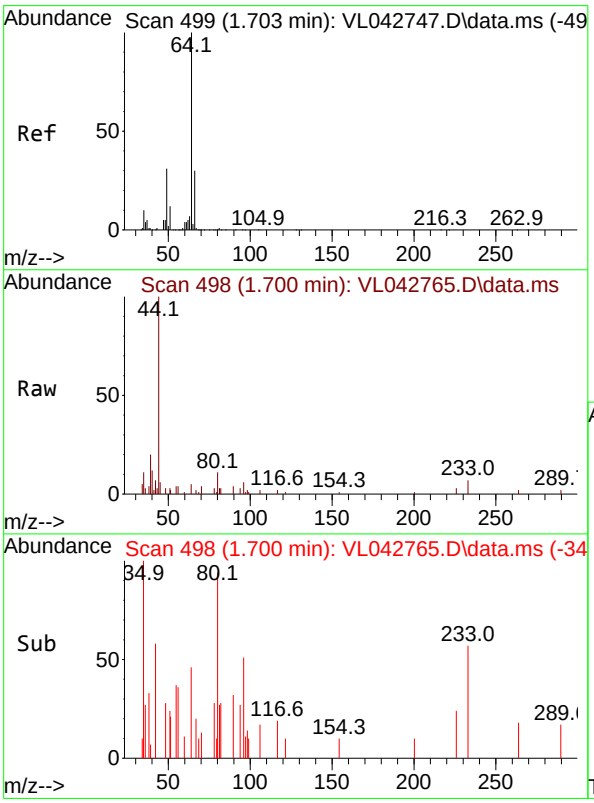
#4
Chloromethane
Concen: 0.414 ppbv
RT: 1.528 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 50 Resp: 3365

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.6	40.0

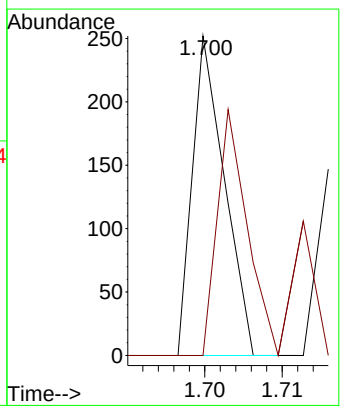


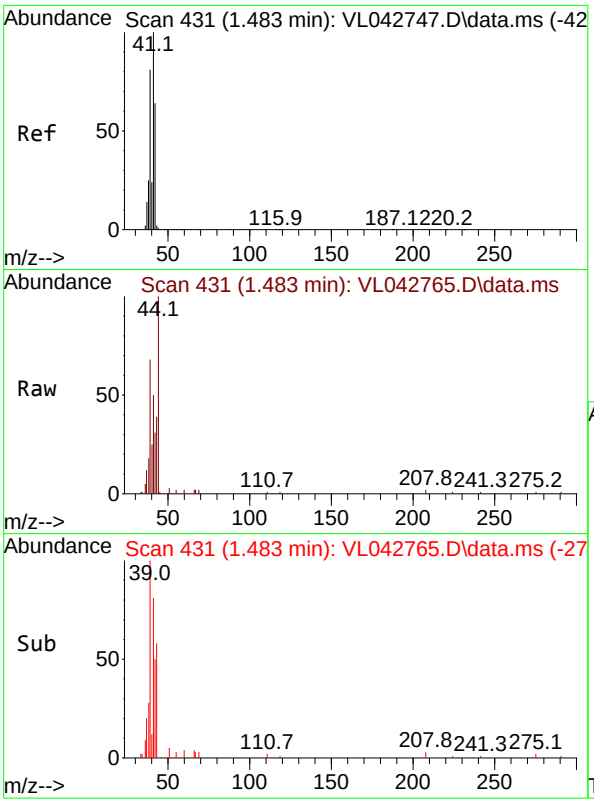


#7
Chloroethane
Concen: 0.023 ppbv
RT: 1.700 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 64 Resp: 72

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.1	36.1#



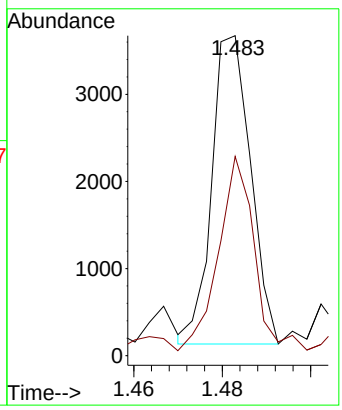


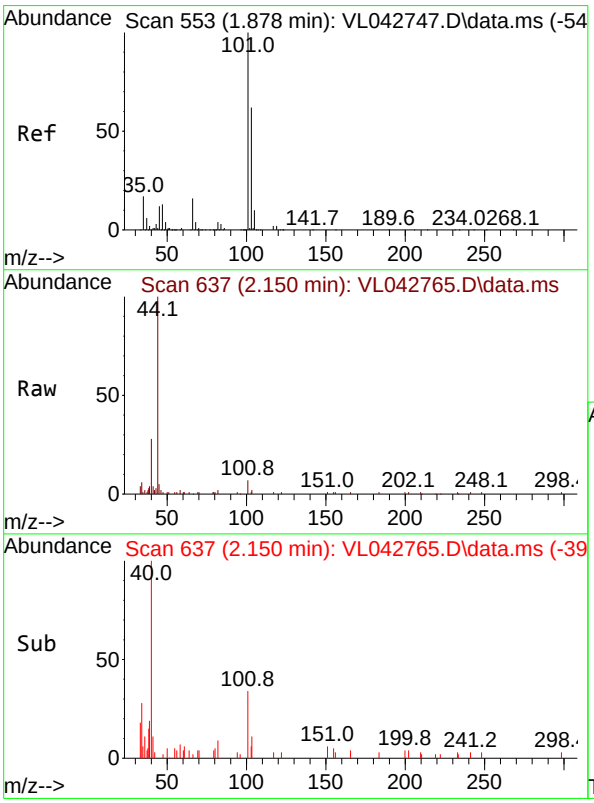
#9
Propene
Concen: 0.226 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 41 Resp: 2154

Ion	Ratio	Lower	Upper
41	100		
42	66.6	53.2	79.8

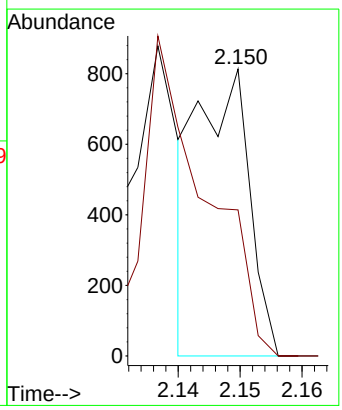


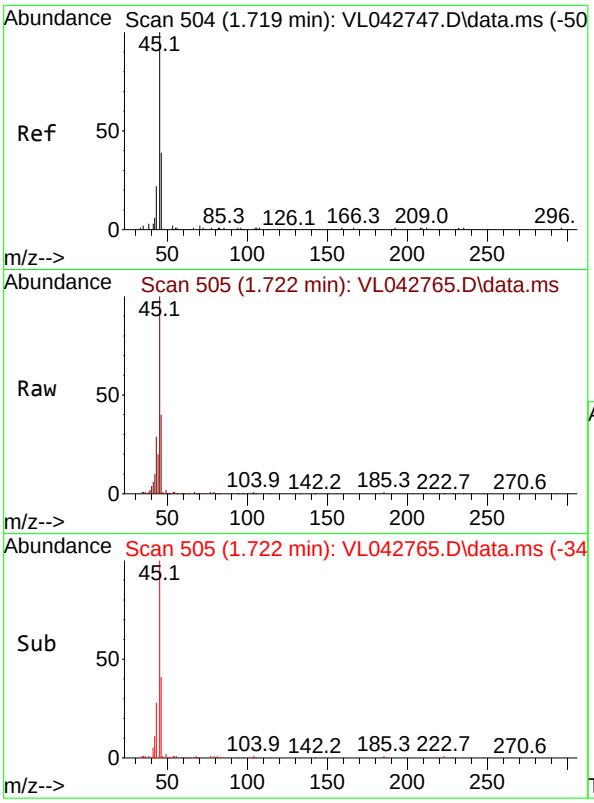


#11
Trichlorofluoromethane
Concen: 0.022 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.272 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:101 Resp: 465

Ion	Ratio	Lower	Upper
101	100		
103	50.9	49.6	74.4



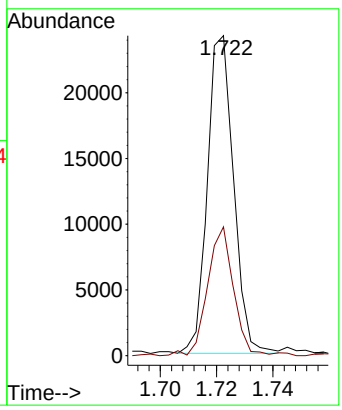


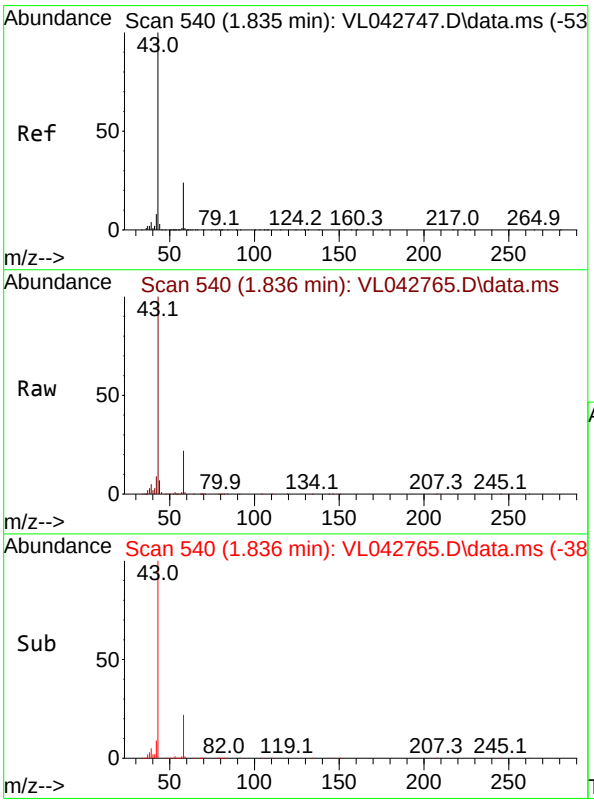
#13
Ethanol
Concen: 21.402 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 45 Resp: 15626

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#

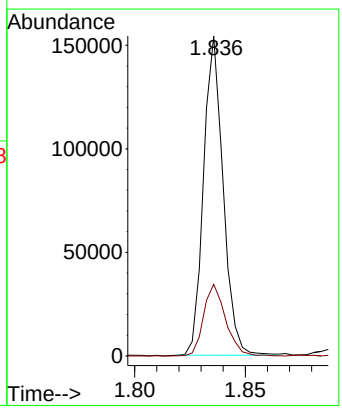


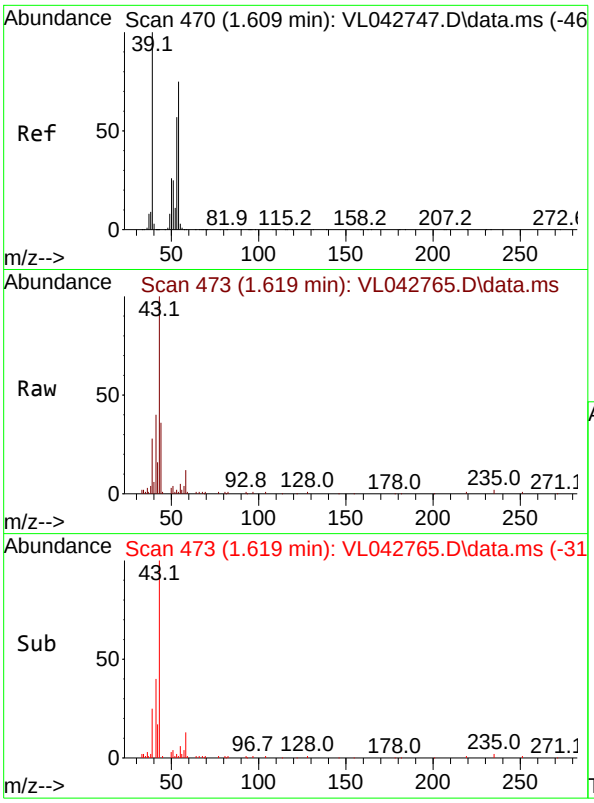


#15
Acetone
Concen: 4.515 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 43 Resp: 94769

Ion	Ratio	Lower	Upper
43	100		
58	25.3	19.8	29.8



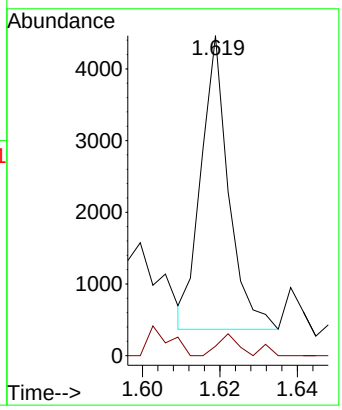


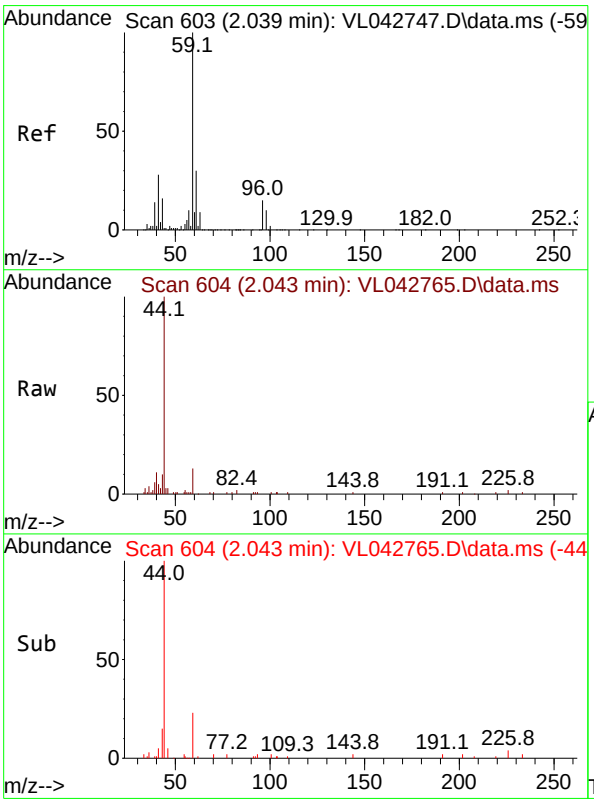
#16
1,3-Butadiene
Concen: 0.225 ppbv
RT: 1.619 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 39 Resp: 2017

Ion	Ratio	Lower	Upper
39	100		
54	0.0	54.5	81.7#

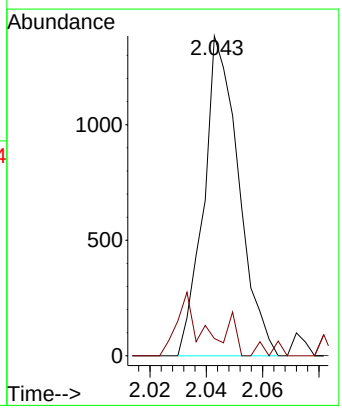


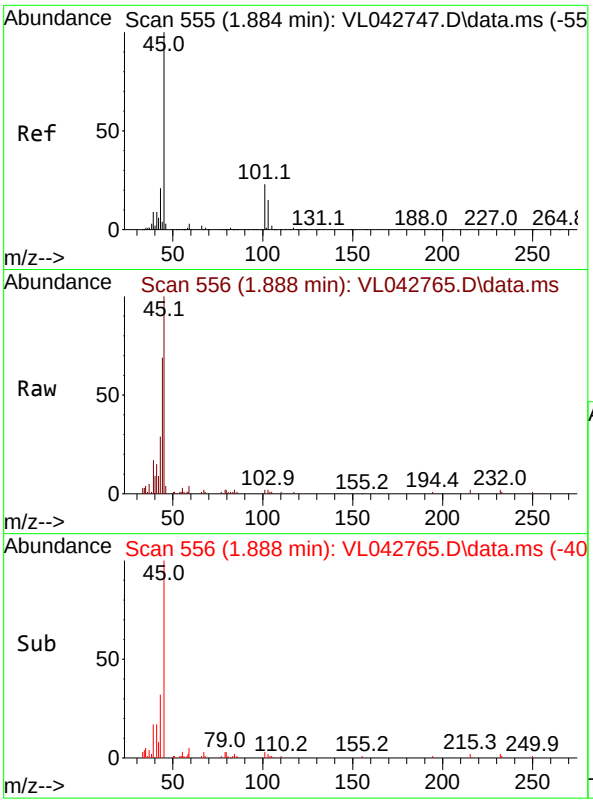


#17
tert-Butyl alcohol
Concen: 0.063 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 59 Resp: 1193

Ion	Ratio	Lower	Upper
59	100		
57	16.3	8.3	12.5#



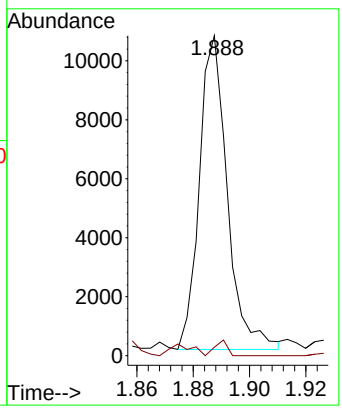


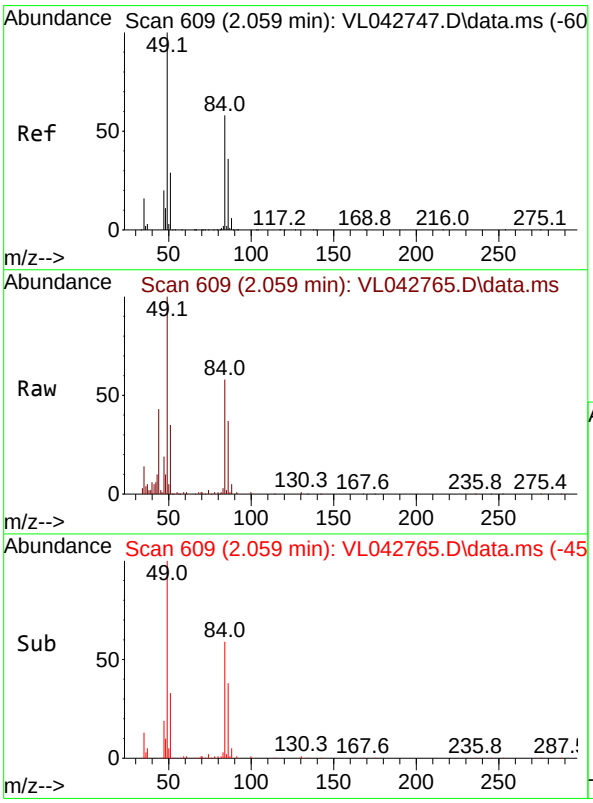
#19
Isopropyl Alcohol
Concen: 0.658 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 45 Resp: 7336

Ion	Ratio	Lower	Upper
45	100		
58	326.9	30.0	45.0#

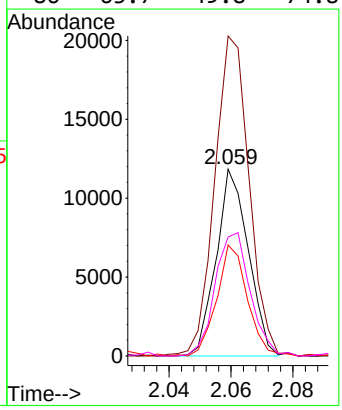


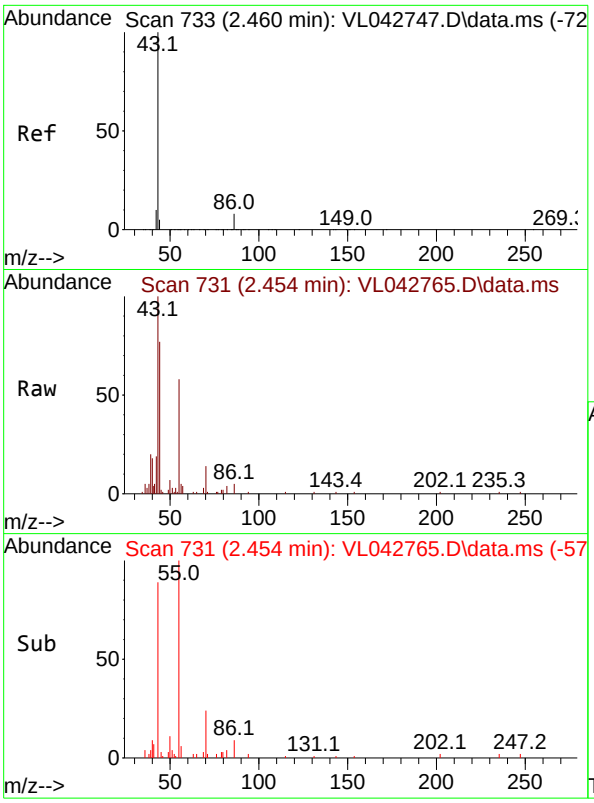


#20
Methylene Chloride
Concen: 1.287 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 84 Resp: 8513

Ion	Ratio	Lower	Upper
84	100		
49	170.1	138.6	208.0
51	58.7	40.6	61.0
86	63.7	49.8	74.8



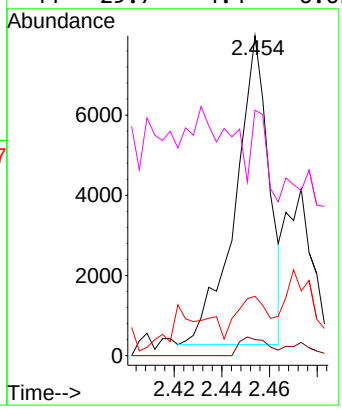


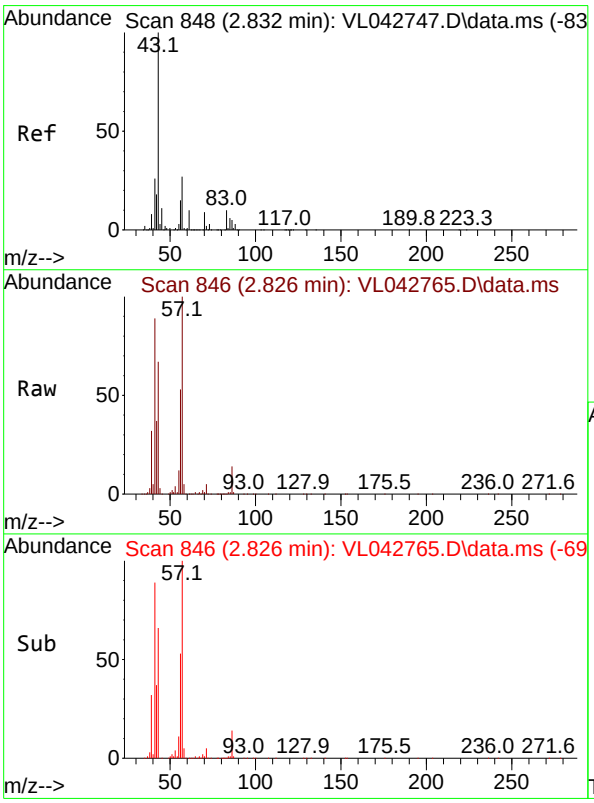
#23
Vinyl Acetate
Concen: 0.298 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 43 Resp: 7576

Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.1	9.1#
42	6.4	7.8	11.8#
44	29.7	4.4	6.6#

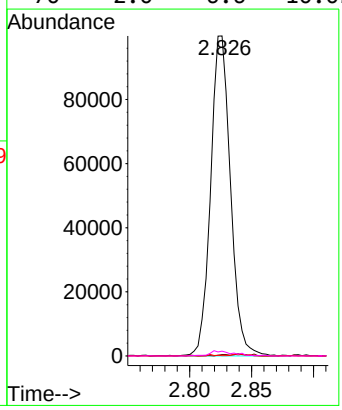


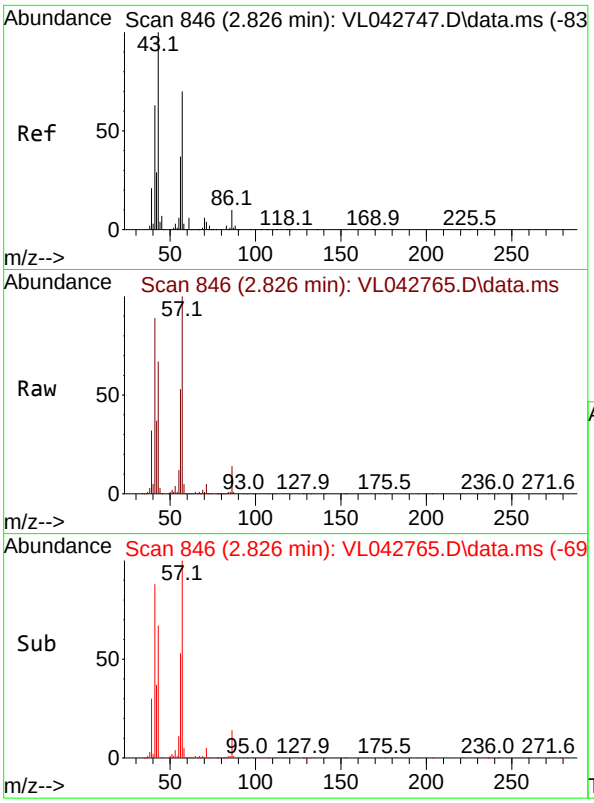


#25
Ethyl Acetate
Concen: 2.402 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.006 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 43 Resp: 111582

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.8	11.6#
61	0.6	6.7	10.1#
70	2.0	6.6	10.0#



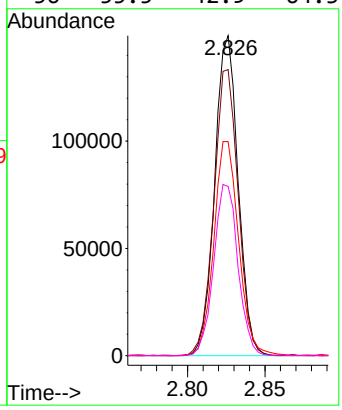


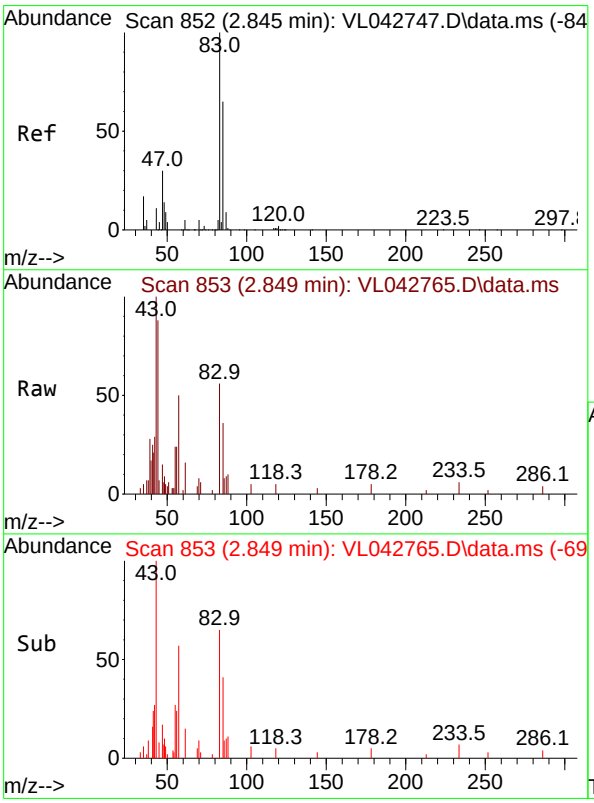
#26
Hexane
Concen: 7.711 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 57 Resp: 157154

Ion	Ratio	Lower	Upper
57	100		
41	93.5	75.4	113.2
43	71.1	185.0	277.6#
56	55.5	42.9	64.3

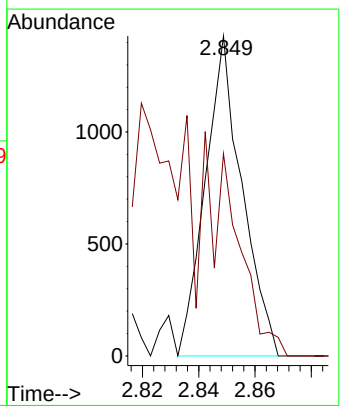


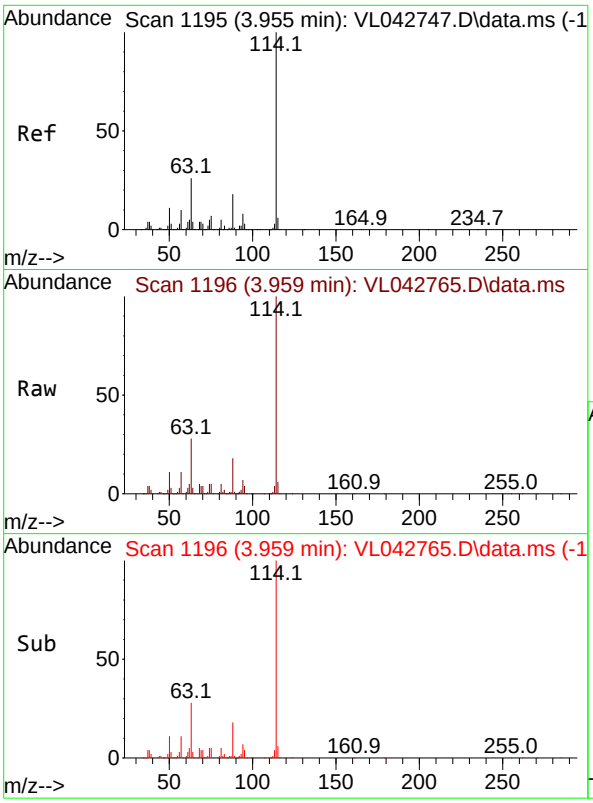


#29
Chloroform
Concen: 0.041 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.004 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 83 Resp: 1294

Ion	Ratio	Lower	Upper
83	100		
85	57.4	52.2	78.2



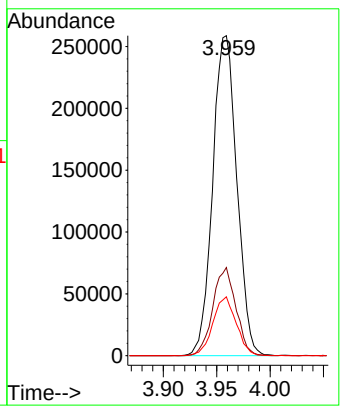


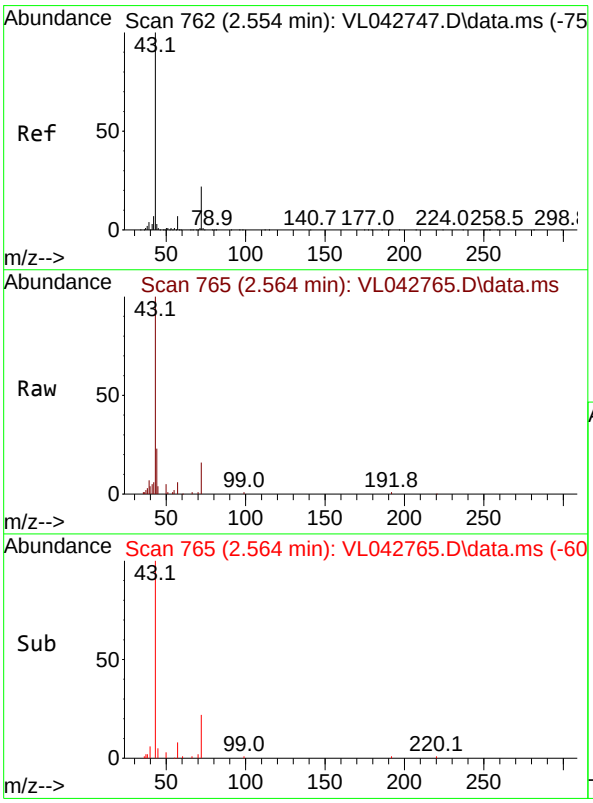
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion:114 Resp: 406880

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.5	30.7
88	17.8	14.0	21.0

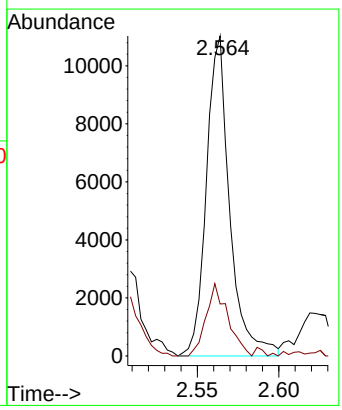


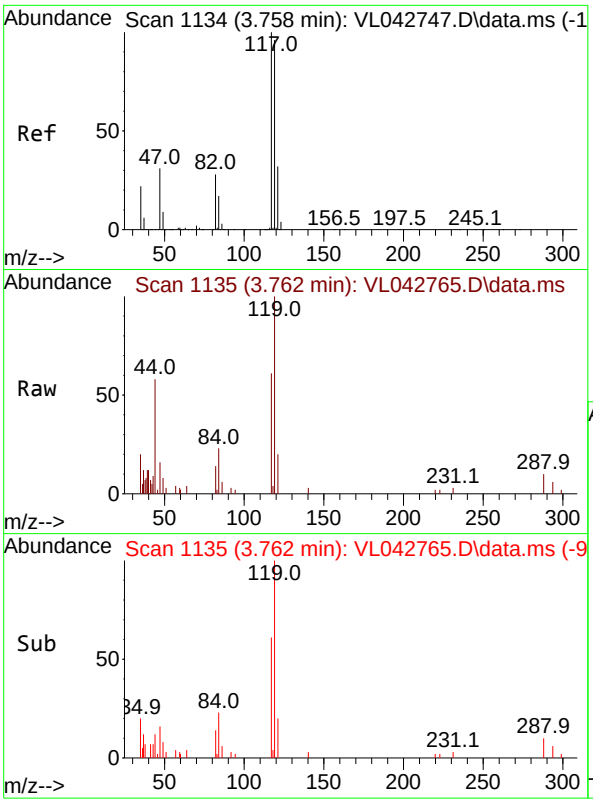


#34
2-Butanone
Concen: 0.380 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 43 Resp: 10963

Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.4	26.0



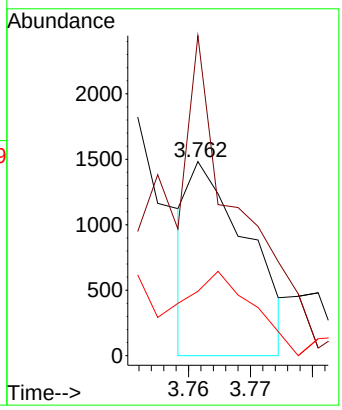


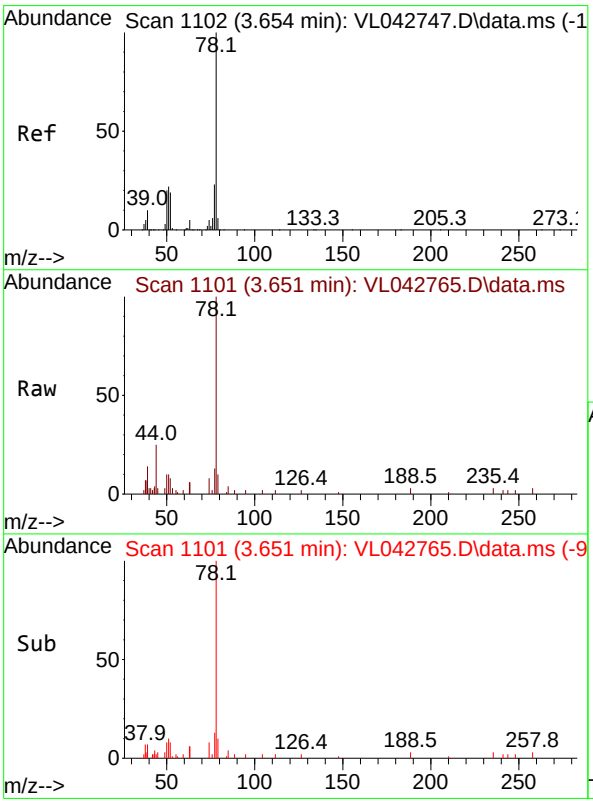
#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 3.762 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion:117 Resp: 963

Ion	Ratio	Lower	Upper
117	100		
119	165.9	77.1	115.7#
121	29.5	25.5	38.3

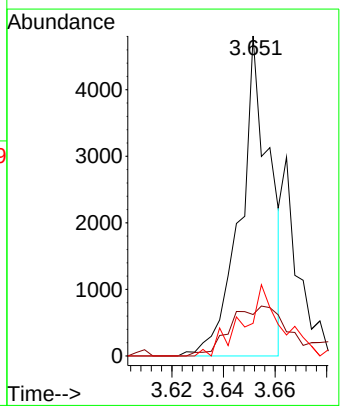


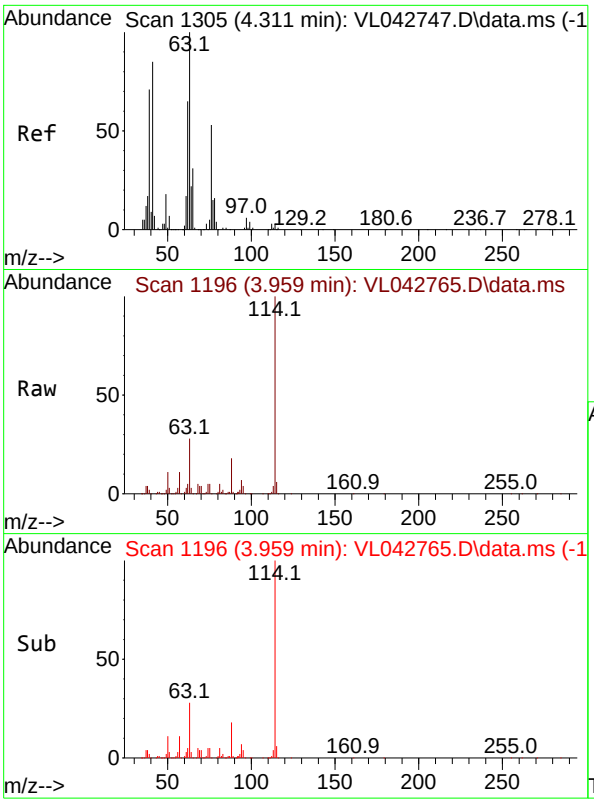


#36
Benzene
Concen: 0.099 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 78 Resp: 3809

Ion	Ratio	Lower	Upper
78	100		
77	13.0	18.5	27.7#
50	10.2	16.2	24.2#



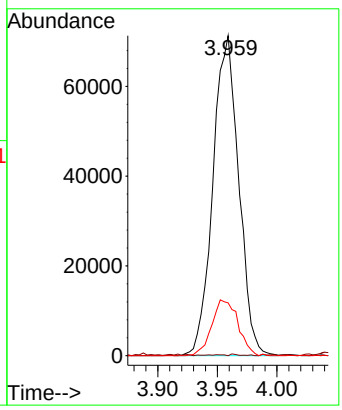


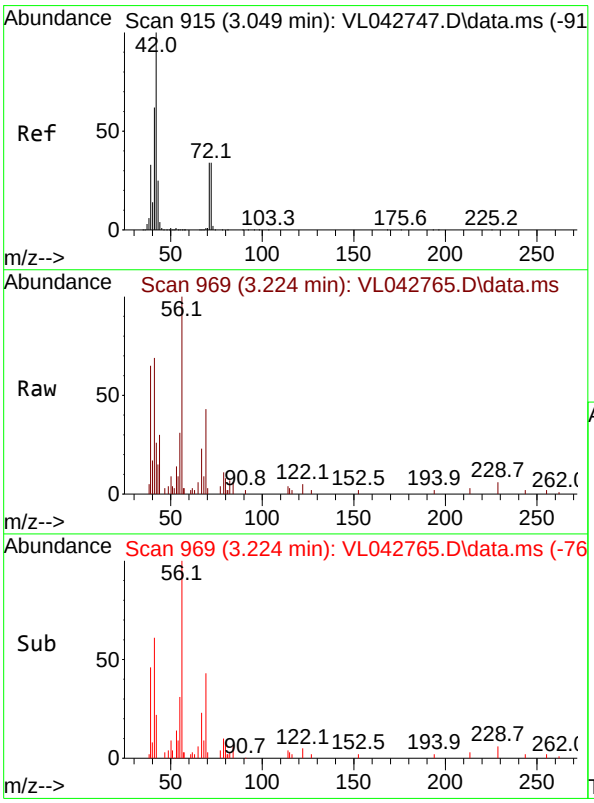
#39
1,2-Dichloropropane
Concen: 7.548 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.353 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 63 Resp: 107432

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	16.5	52.0	78.0#

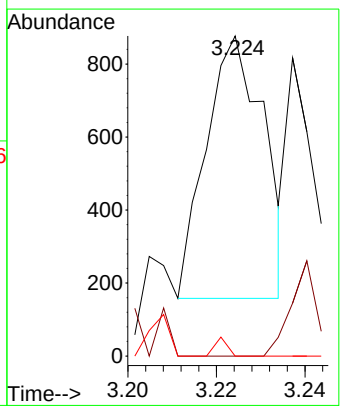


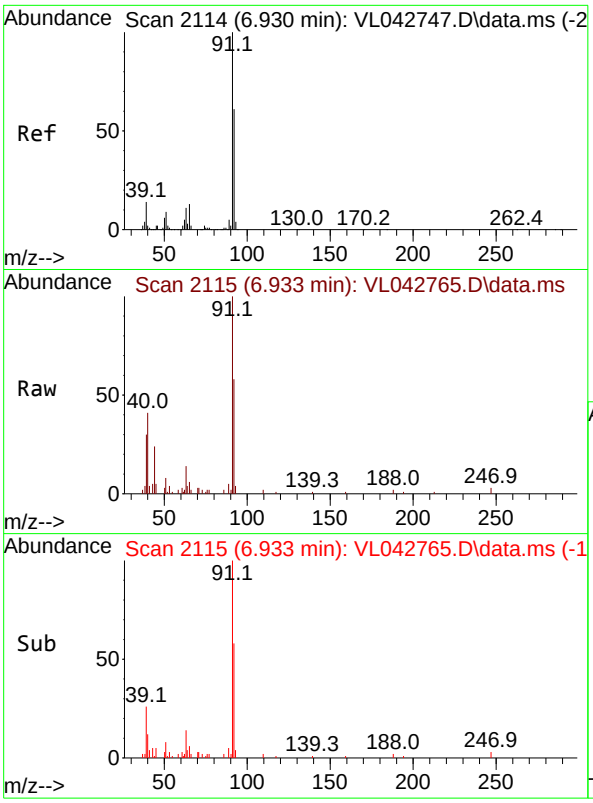


#41
Tetrahydrofuran
Concen: 0.044 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.175 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 42 Resp: 652

Ion	Ratio	Lower	Upper
42	100		
72	15.6	30.9	46.3#
71	0.0	28.6	43.0#



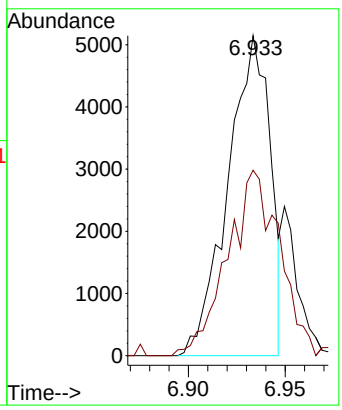


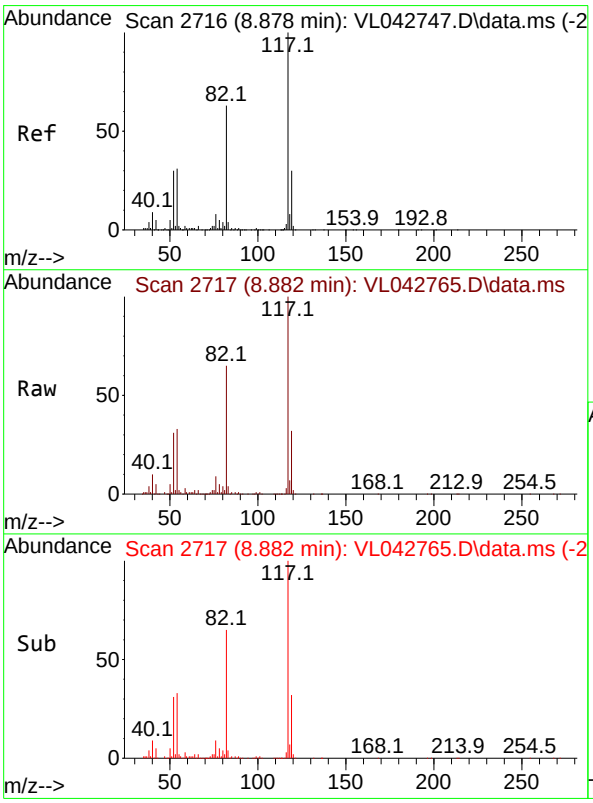
#53
Toluene
Concen: 0.189 ppbv
RT: 6.933 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 91 Resp: 7822

Ion	Ratio	Lower	Upper
91	100		
92	71.9	48.0	72.0

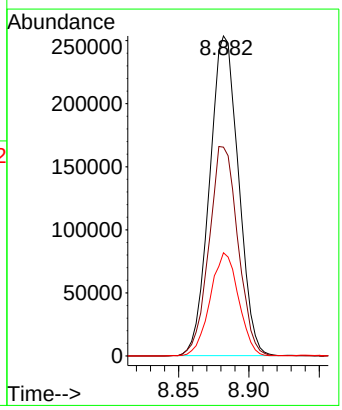


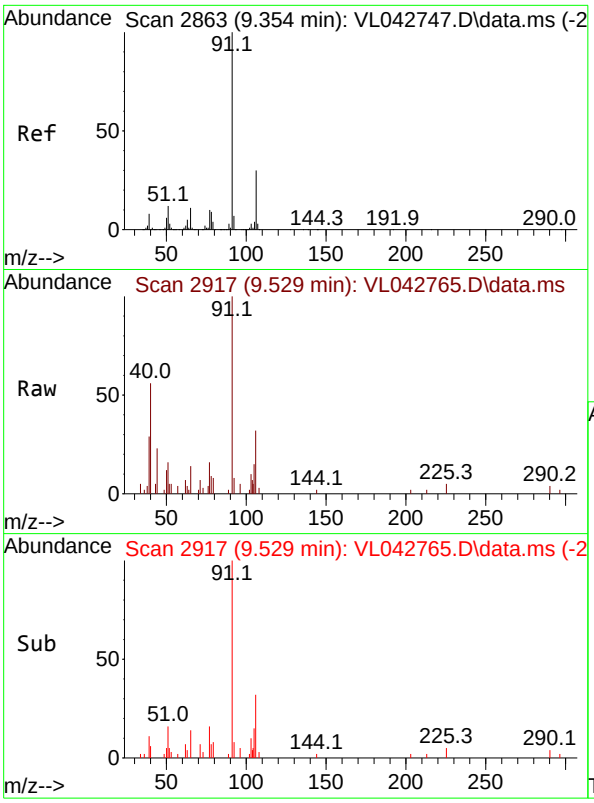


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:117 Resp: 361575

Ion	Ratio	Lower	Upper
117	100		
82	65.8	53.3	79.9
119	31.9	25.8	38.6



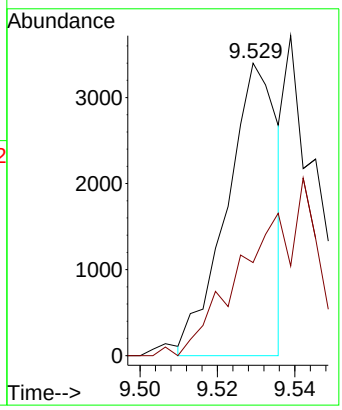


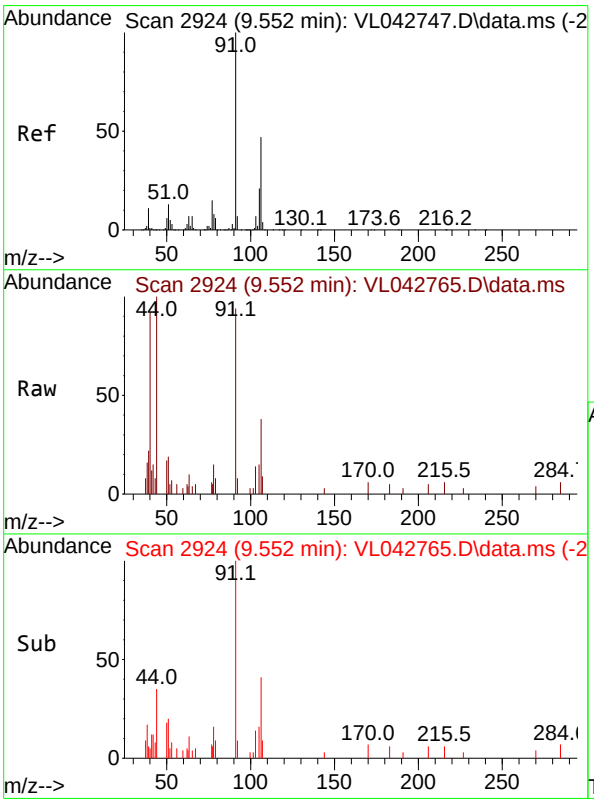
#58
Ethyl Benzene
Concen: 0.054 ppbv
RT: 9.529 min Scan# 2
Delta R.T. 0.175 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 91 Resp: 3093

Ion	Ratio	Lower	Upper
91	100		
106	32.9	23.8	35.6

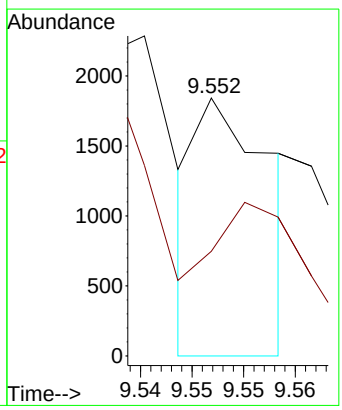


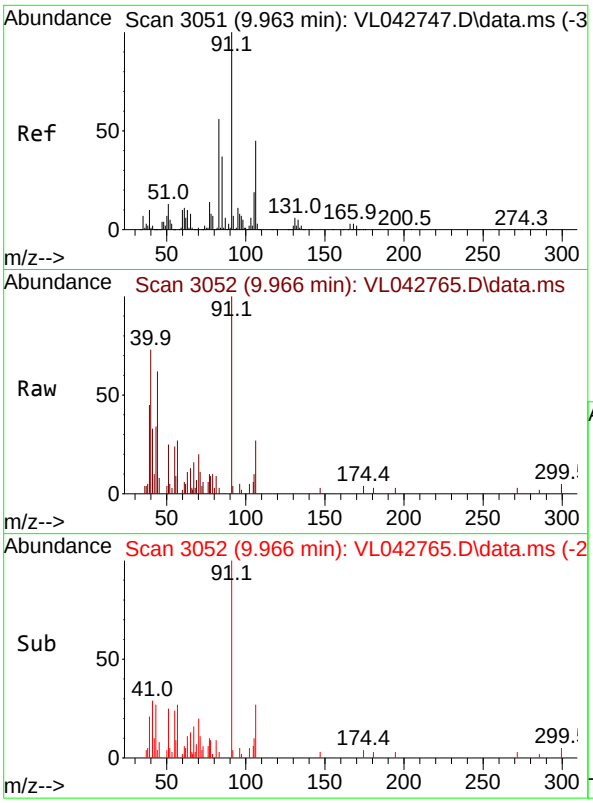


#59
m/p-Xylene
Concen: 0.020 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 91 Resp: 922

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#



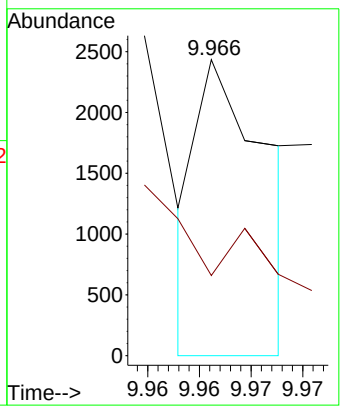


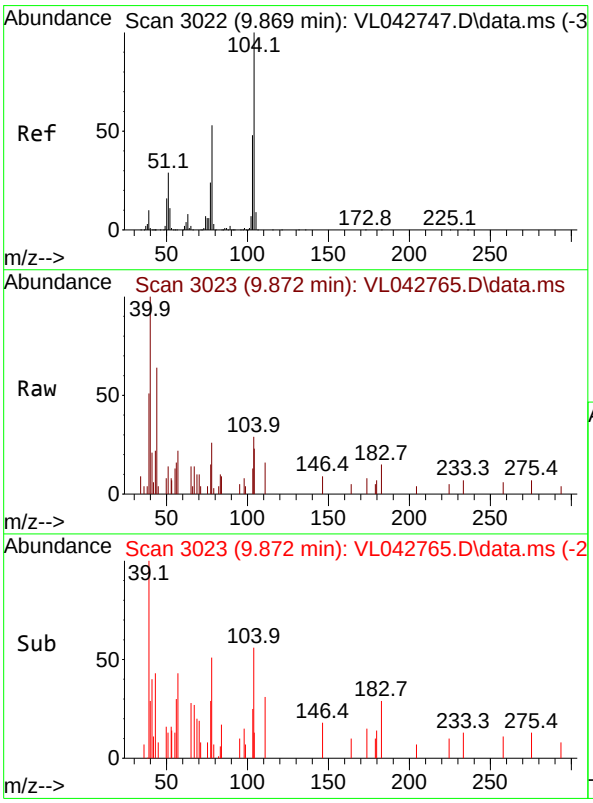
#60
o-Xylene
Concen: 0.025 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 91 Resp: 1150

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.0	66.0#

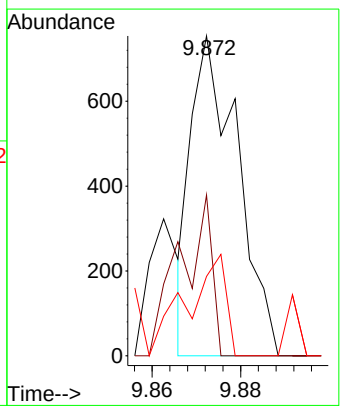


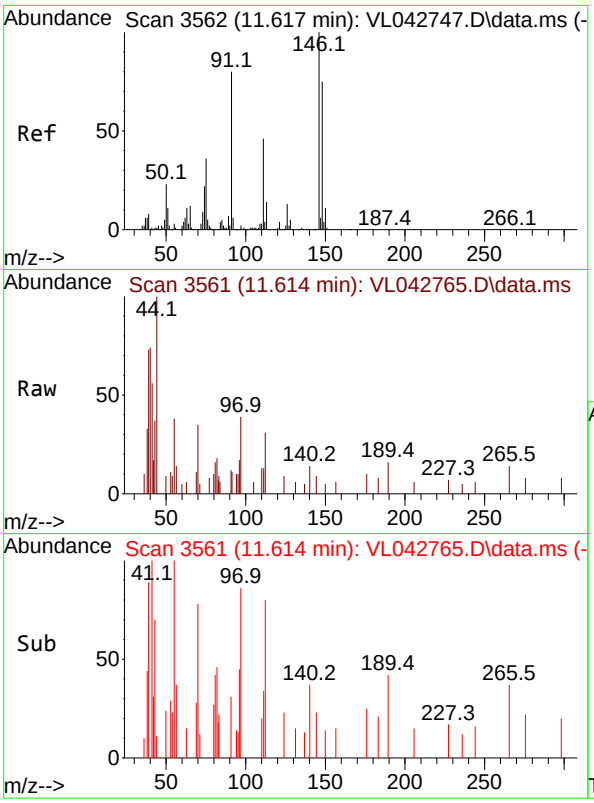


#61
Styrene
Concen: 0.029 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:104 Resp: 550

Ion	Ratio	Lower	Upper
104	100		
78	34.5	41.5	62.3#
103	37.1	37.5	56.3#



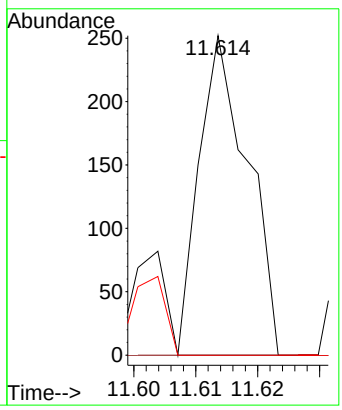


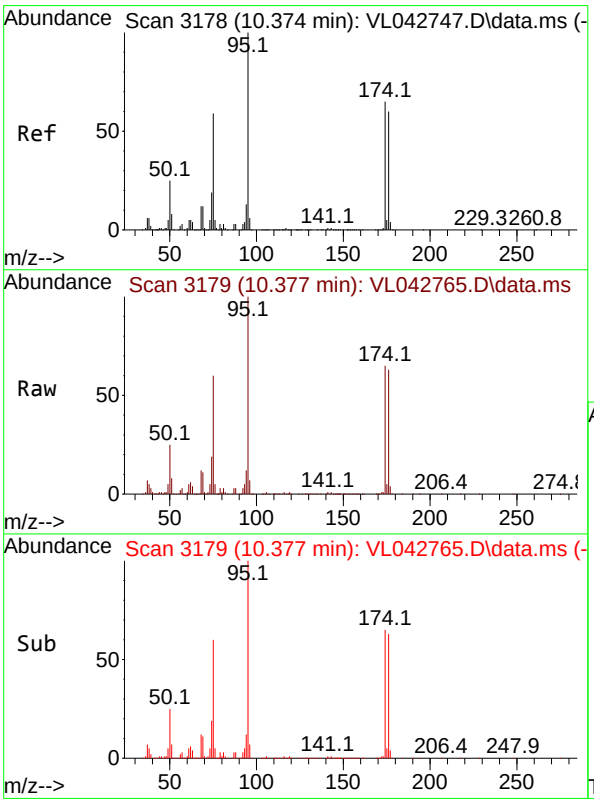
#66
Benzyl Chloride
Concen: 0.028 ppbv
RT: 11.614 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 91 Resp: 137

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	0.0	5.2	7.8#

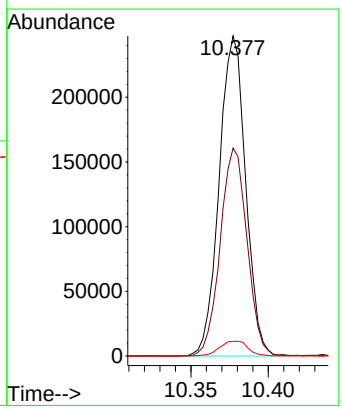


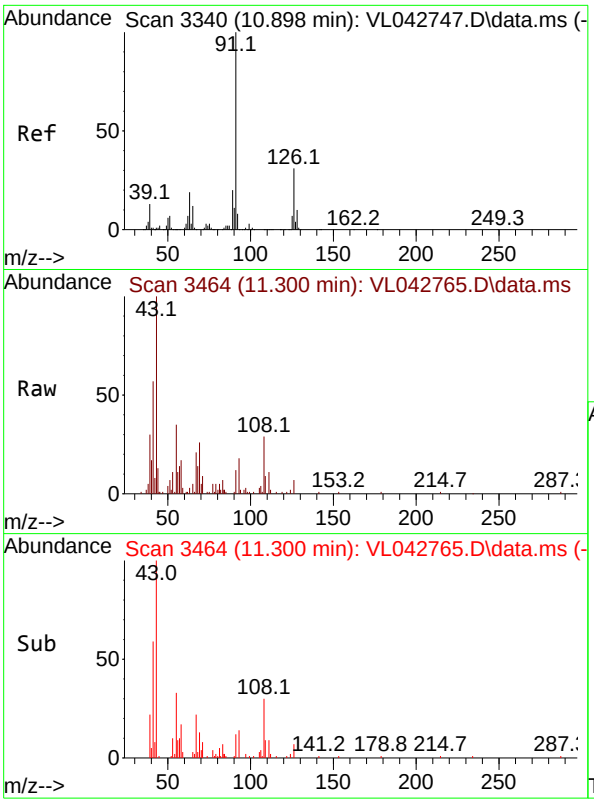


#68
1-Bromo-4-Fluorobenzene
Concen: 10.257 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion: 95 Resp: 293717

Ion	Ratio	Lower	Upper
95	100		
174	65.8	53.8	80.6
175	5.0	4.0	6.0



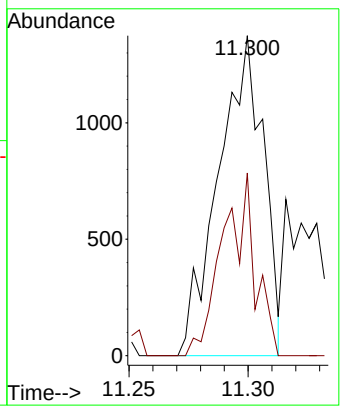


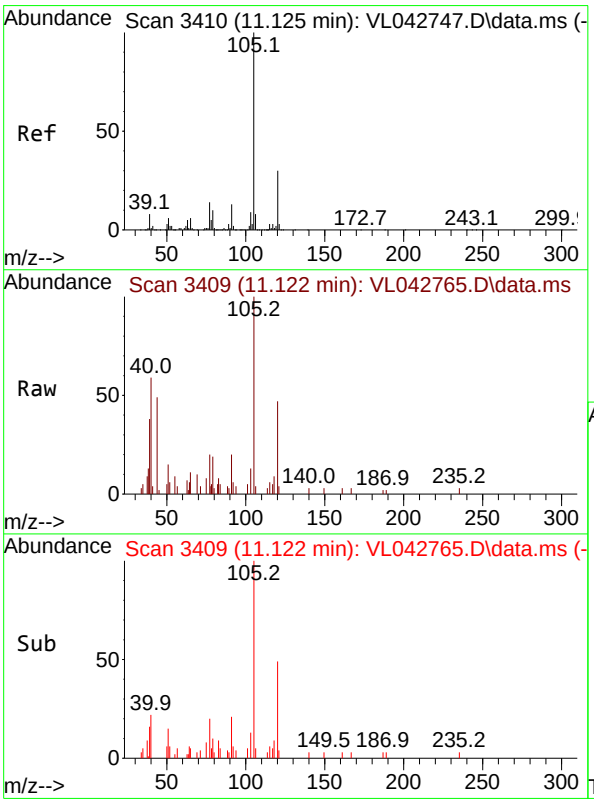
#71
2-Chlorotoluene
Concen: 0.035 ppbv
RT: 11.300 min Scan# 3
Delta R.T. 0.402 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion: 91 Resp: 1798

Ion	Ratio	Lower	Upper
91	100		
126	41.1	12.0	48.2

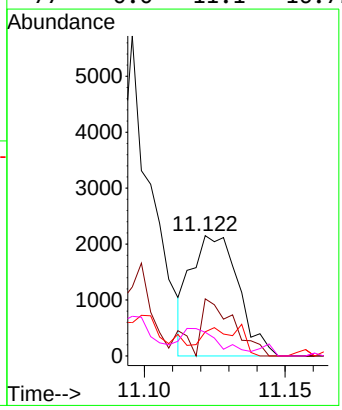


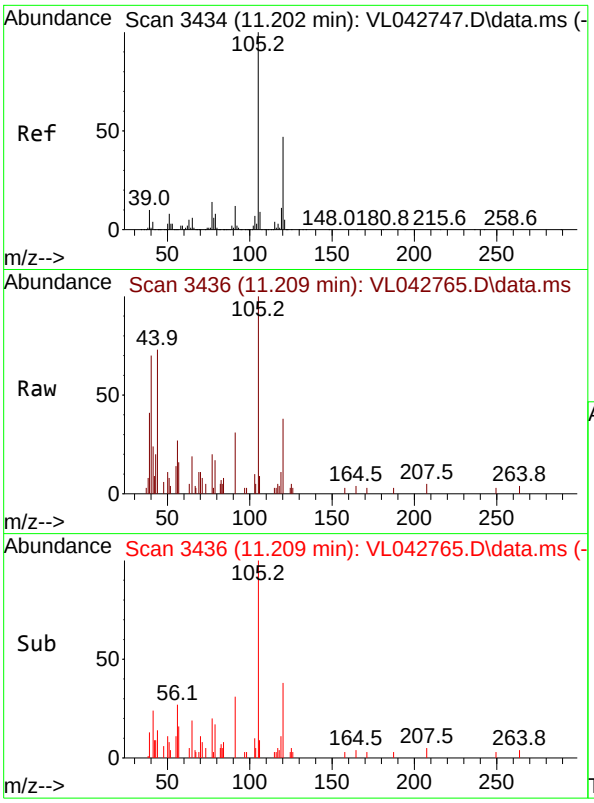


#72
4-Ethyltoluene
Concen: 0.047 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:105 Resp: 2535

Ion	Ratio	Lower	Upper
105	100		
120	31.3	24.4	36.6
91	15.3	10.6	15.8
77	0.0	11.1	16.7#



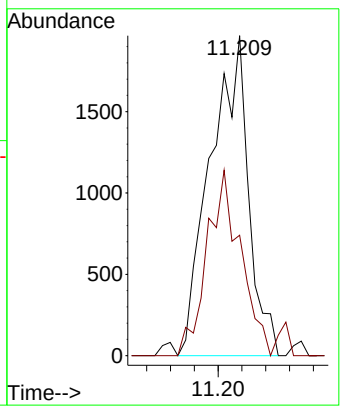


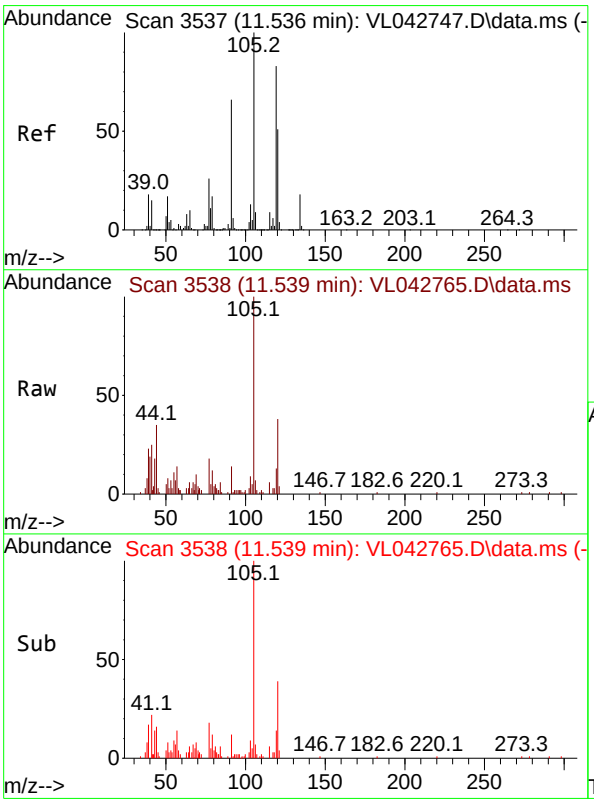
#73
1,3,5-Trimethylbenzene
Concen: 0.049 ppbv
RT: 11.209 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion:105 Resp: 2187

Ion	Ratio	Lower	Upper
105	100		
120	37.7	37.8	56.8#

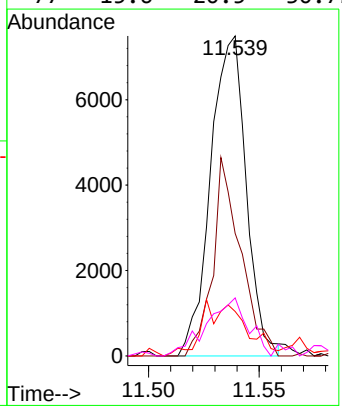


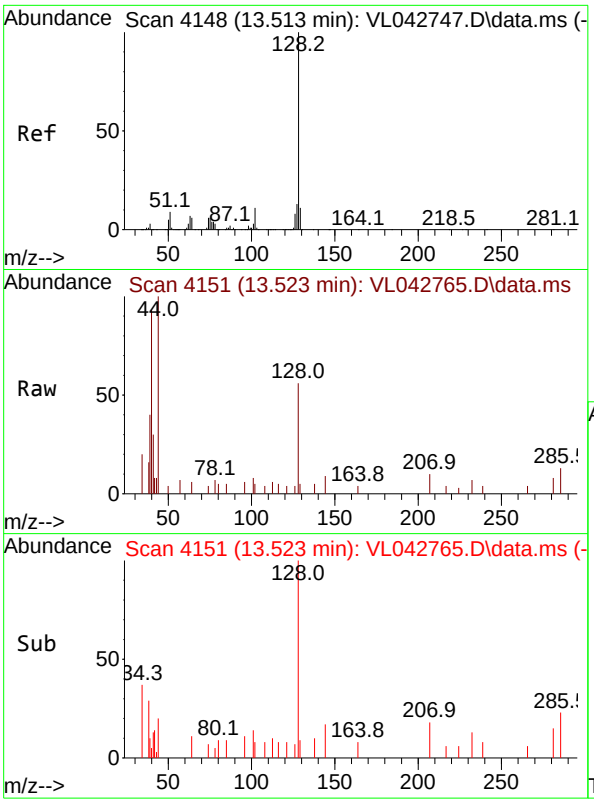


#74
1,2,4-Trimethylbenzene
Concen: 0.171 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:105 Resp: 8363

Ion	Ratio	Lower	Upper
105	100		
120	38.3	40.8	61.2#
91	12.2	53.0	79.4#
77	15.6	20.5	30.7#



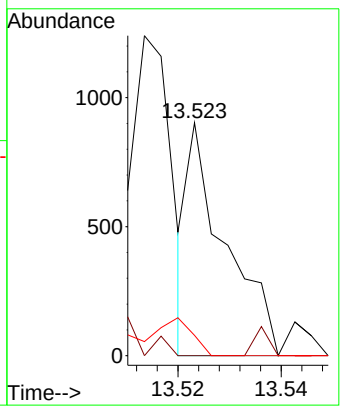


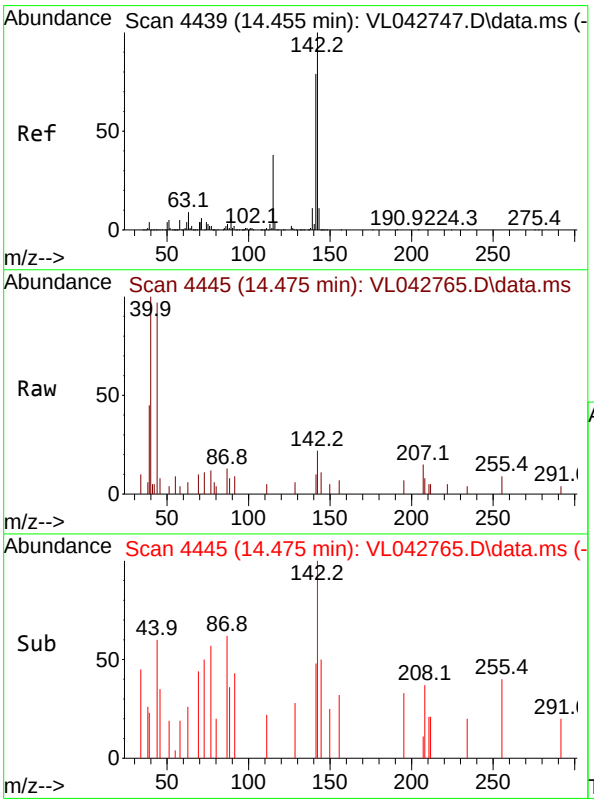
#79
Naphthalene
Concen: 0.443 ppbv
RT: 13.523 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion:128 Resp: 463

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	8.7	8.6	13.0

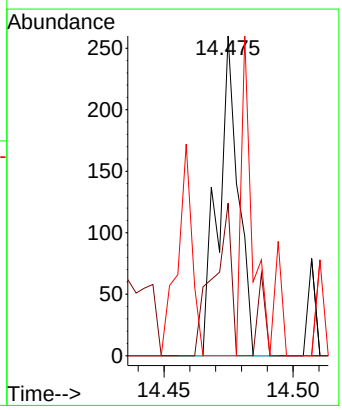


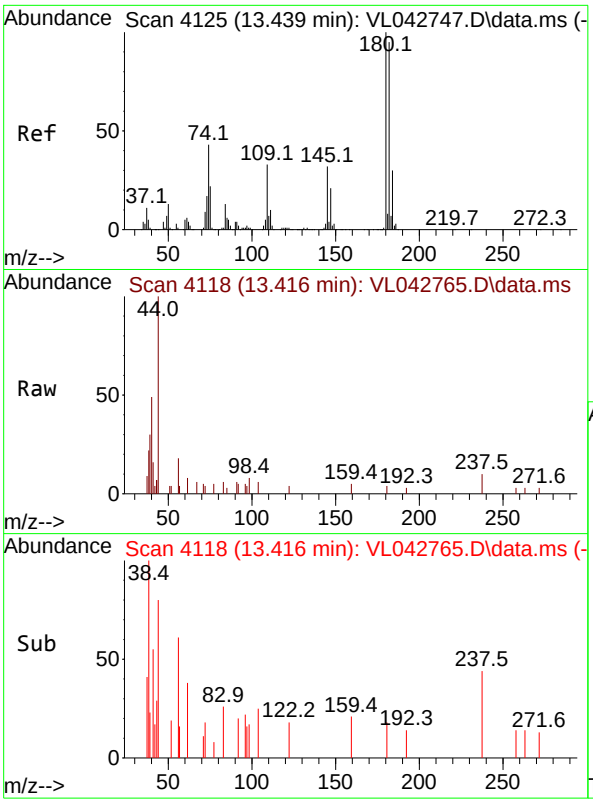


#80
Naphthalene,2-methyl-
Concen: 1.133 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.020 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Tgt Ion:142 Resp: 139

Ion	Ratio	Lower	Upper
142	100		
141	52.5	65.8	98.8#
115	79.9	31.2	46.8#



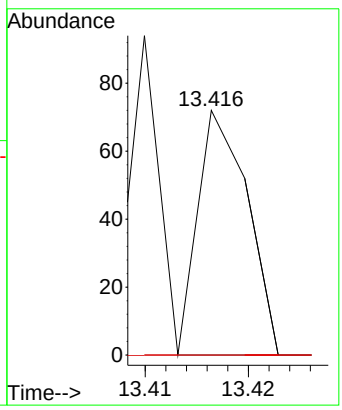


#81
1,2,4-Trichlorobenzene
Concen: 0.436 ppbv
RT: 13.416 min Scan# 4
Delta R.T. -0.022 min
Lab File: VL042765.D
Acq: 24 Jul 2025 15:05

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDUP

Tgt Ion:180 Resp: 24

Ion	Ratio	Lower	Upper
180	100		
182	250.0	76.2	114.2#
184	100.0	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042767.D
Acq On : 24 Jul 2025 16:17
Operator : SY/MD
Sample : Q2671-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Quant Time: Jul 25 01:28:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	149110	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	411819	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	377399	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	300204	10.044	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	7879	0.400	ppbv		97
3) Chlorodifluoromethane	1.466	51	1546499	60.218	ppbv	#	59
4) Chloromethane	1.534	50	4426	0.555	ppbv	#	84
6) Bromomethane	1.677	94	165	0.054	ppbv	#	15
7) Chloroethane	1.466	64	99645	32.727	ppbv		96
8) Dichlorotetrafluoroethane	1.557	85	541	0.033	ppbv	#	69
9) Propene	1.560	41	1303578	139.661	ppbv		90
10) Heptane	4.991	43	5039	0.200	ppbv	#	68
11) Trichlorofluoromethane	1.881	101	4048	0.199	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.143	101	1337	0.087	ppbv	#	82
13) Ethanol	1.725	45	878523	1291.503	ppbv		92
15) Acetone	1.839	43	478727	23.251	ppbv		99
16) 1,3-Butadiene	1.625	39	284621	32.408	ppbv	#	18
17) tert-Butyl alcohol	2.046	59	8444	0.455	ppbv	#	72
19) Isopropyl Alcohol	1.890	45	284464	25.998	ppbv		94
20) Methylene Chloride	2.065	84	4822	0.743	ppbv	#	86
21) Allyl Chloride	1.890	41	26088	2.056	ppbv	#	71
23) Vinyl Acetate	2.457	43	18008	0.721	ppbv	#	91
25) Ethyl Acetate	2.832	43	178839	3.924	ppbv	#	90
26) Hexane	2.832	57	171539	8.580	ppbv	#	53
27) Carbon Disulfide	2.156	76	965	0.056	ppbv	#	1
29) Chloroform	2.852	83	14358	0.465	ppbv		94
31) cis-1,2-Dichloroethene	2.842	61	8009	0.390	ppbv	#	23
32) 1,1,1-Trichloroethane	3.373	97	6414	0.199	ppbv	#	86
34) 2-Butanone	2.564	43	19454	0.667	ppbv		94
35) Carbon Tetrachloride	3.771	117	1862	0.061	ppbv		98
36) Benzene	3.664	78	4222	0.108	ppbv	#	81
37) 1,2-Dichloroethane	3.224	62	9737	0.414	ppbv		98
39) 1,2-Dichloropropane	3.965	63	108262	7.515	ppbv	#	21
41) Tetrahydrofuran	3.069	42	1223	0.082	ppbv	#	67
43) Methyl Methacrylate	4.888	69	738	0.053	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.645	57	2003	0.031	ppbv	#	1
52) Tetrachloroethene	8.241	164	984	0.061	ppbv	#	41
53) Toluene	6.946	91	33987	0.811	ppbv		99
58) Ethyl Benzene	9.361	91	5433	0.091	ppbv		91
59) m/p-Xylene	9.561	91	3119	0.065	ppbv	#	30
60) o-Xylene	9.969	91	5451	0.115	ppbv		100
61) Styrene	9.878	104	3486	0.174	ppbv		92
66) Benzyl Chloride	11.542	91	1457	0.285	ppbv	#	74
69) p-Isopropyltoluene	11.930	119	3380	0.047	ppbv	#	71
72) 4-Ethyltoluene	11.128	105	2764	0.049	ppbv	#	84
73) 1,3,5-Trimethylbenzene	11.205	105	3128	0.067	ppbv		90
74) 1,2,4-Trimethylbenzene	11.542	105	8935	0.175	ppbv	#	62

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042767.D
Acq On : 24 Jul 2025 16:17
Operator : SY/MD
Sample : Q2671-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Quant Time: Jul 25 01:28:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

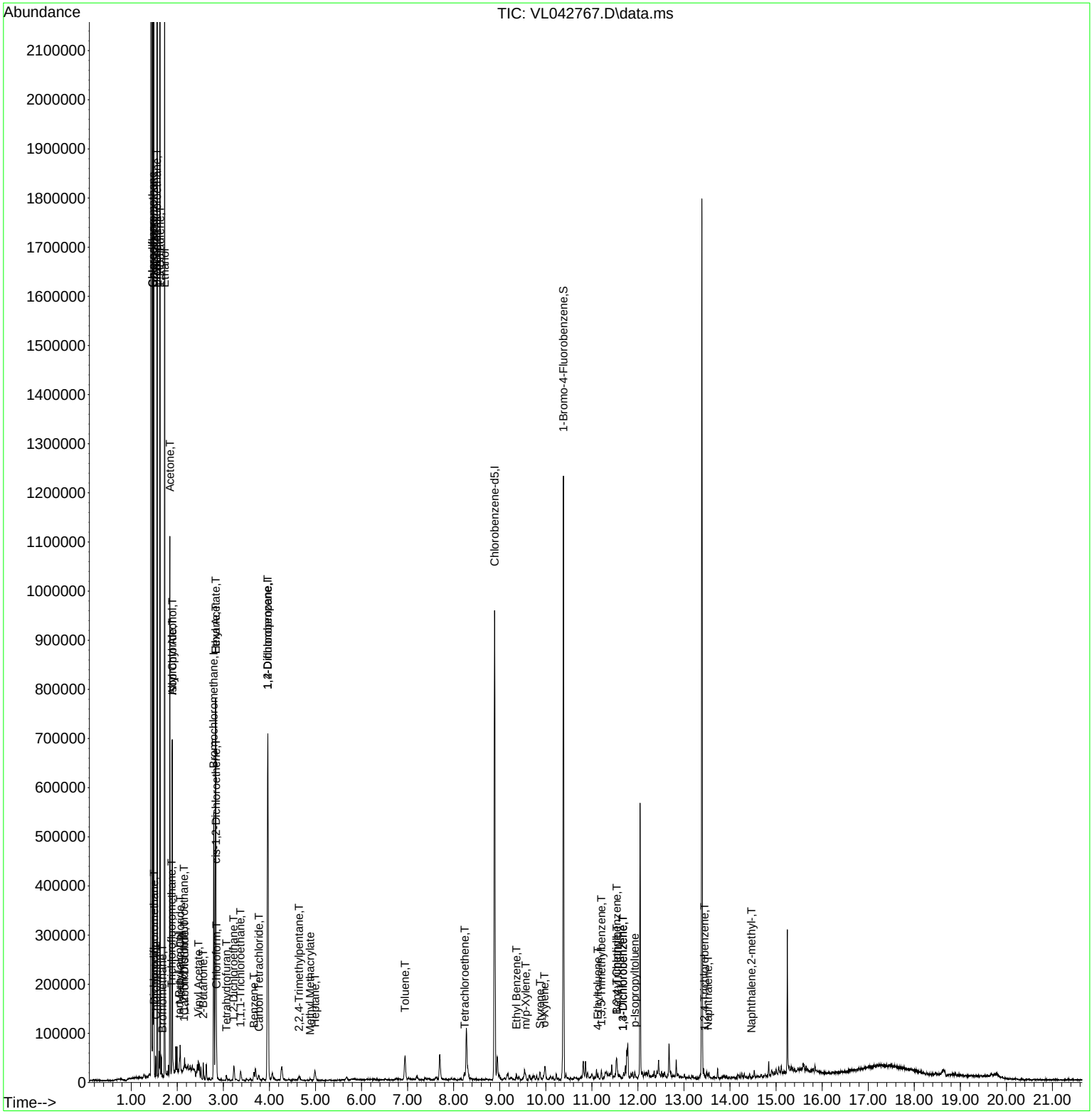
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	1,3-Dichlorobenzene	11.678	146	934	0.026	ppbv	#	62
76)	1,4-Dichlorobenzene	11.678	146	934	0.027	ppbv	#	78
79)	Naphthalene	13.520	128	2772	0.483	ppbv		96
80)	Naphthalene,2-methyl-	14.468	142	297	1.138	ppbv	#	64
81)	1,2,4-Trichlorobenzene	13.445	180	203	0.441	ppbv	#	80

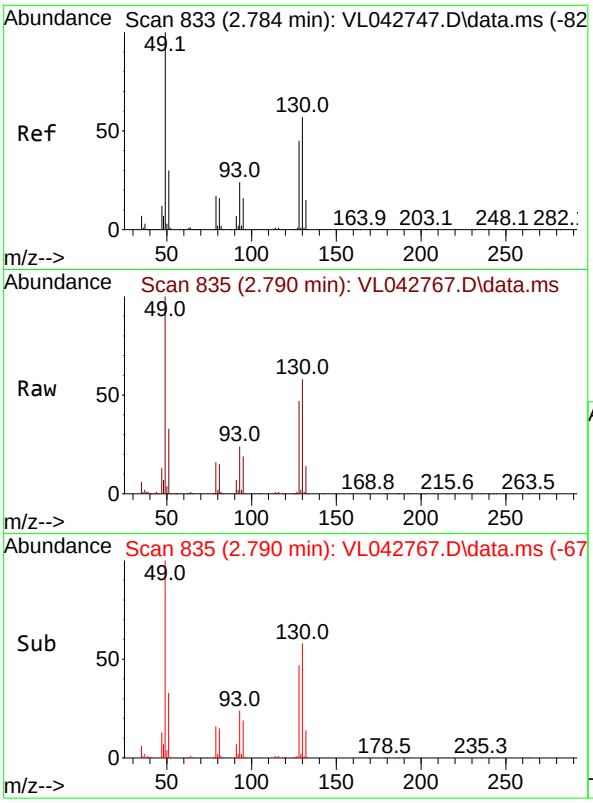
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042767.D
Acq On : 24 Jul 2025 16:17
Operator : SY/MD
Sample : Q2671-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Quant Time: Jul 25 01:28:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



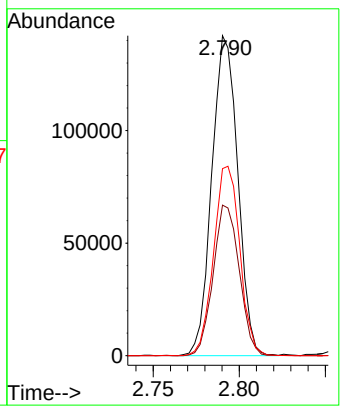


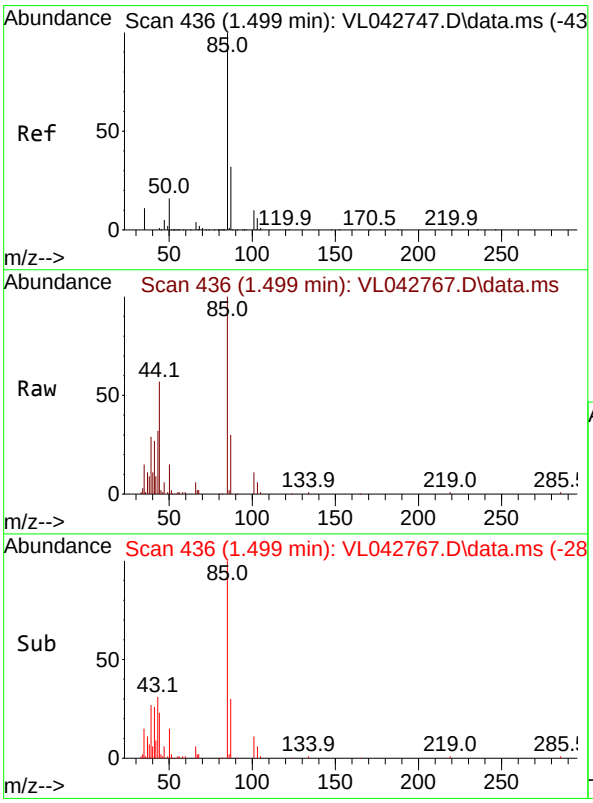
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 49 Resp: 149110

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.6	71.0
130	59.8	30.3	90.8

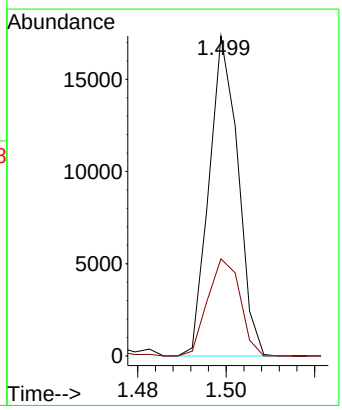


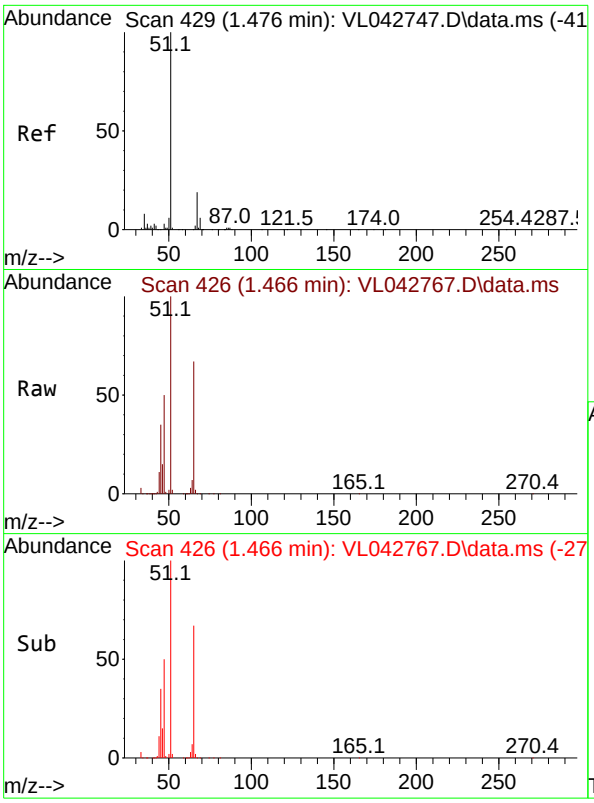


#2
Dichlorodifluoromethane
Concen: 0.400 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 85 Resp: 7879

Ion	Ratio	Lower	Upper
85	100		
87	30.4	25.4	38.2



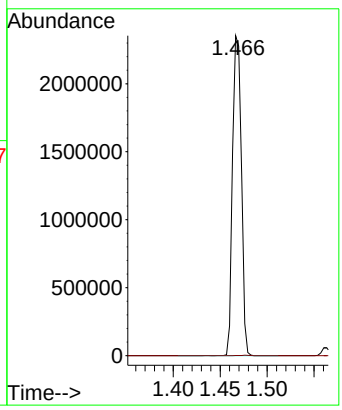


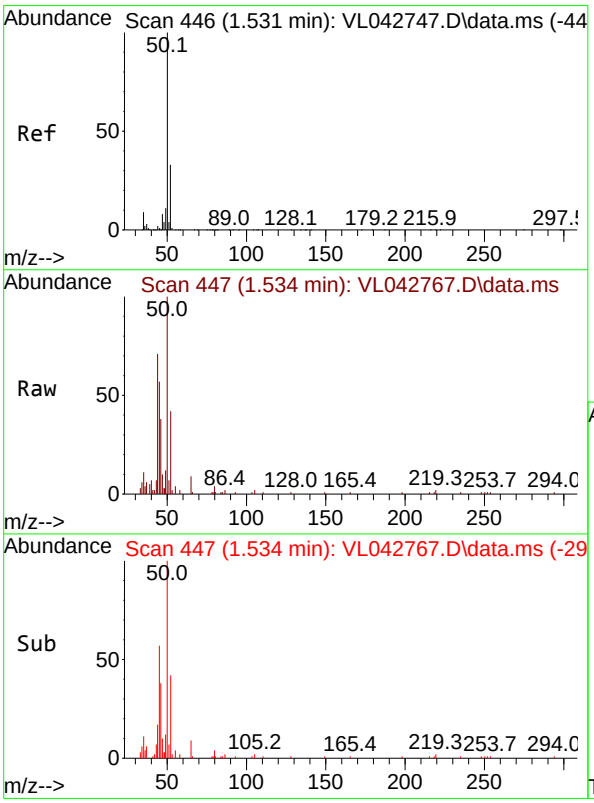
#3
Chlorodifluoromethane
Concen: 60.218 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 51 Resp: 1546499

Ion	Ratio	Lower	Upper
51	100		
67	0.2	15.0	22.6#

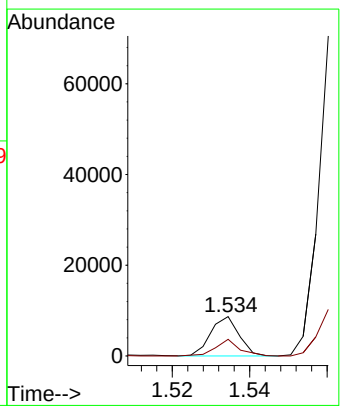


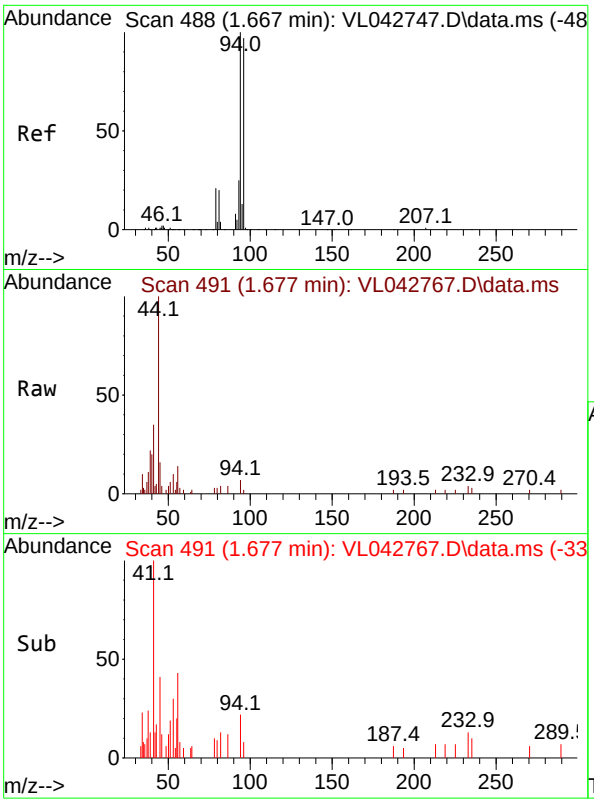


#4
Chloromethane
Concen: 0.555 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 50 Resp: 4426

Ion	Ratio	Lower	Upper
50	100		
52	42.3	26.6	40.0#



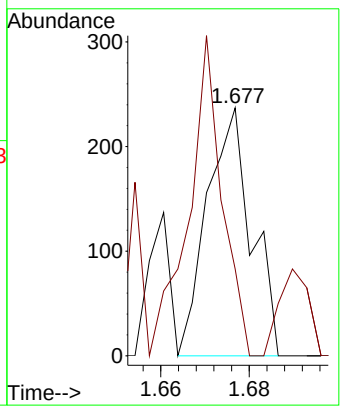


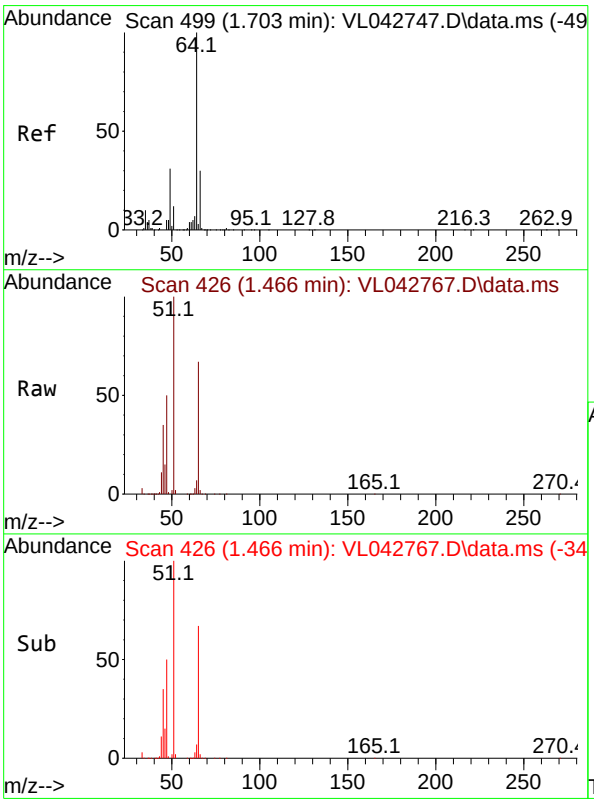
#6
Bromomethane
Concen: 0.054 ppbv
RT: 1.677 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 94 Resp: 165

Ion	Ratio	Lower	Upper
94	100		
96	13.9	77.6	116.4#

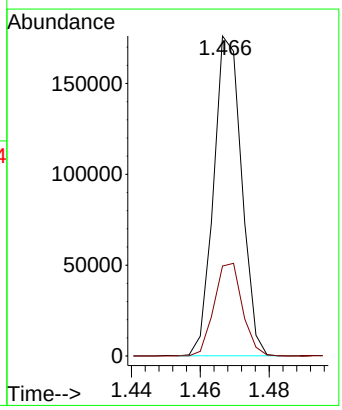


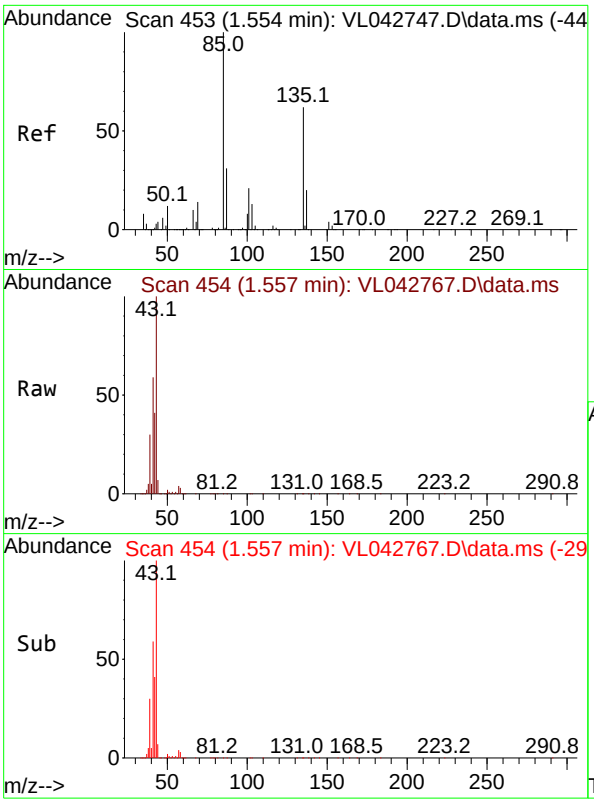


#7
Chloroethane
Concen: 32.727 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 64 Resp: 99645

Ion	Ratio	Lower	Upper
64	100		
66	28.1	24.1	36.1



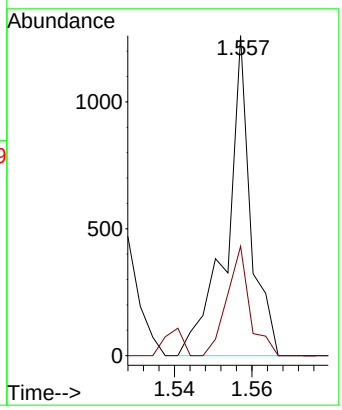


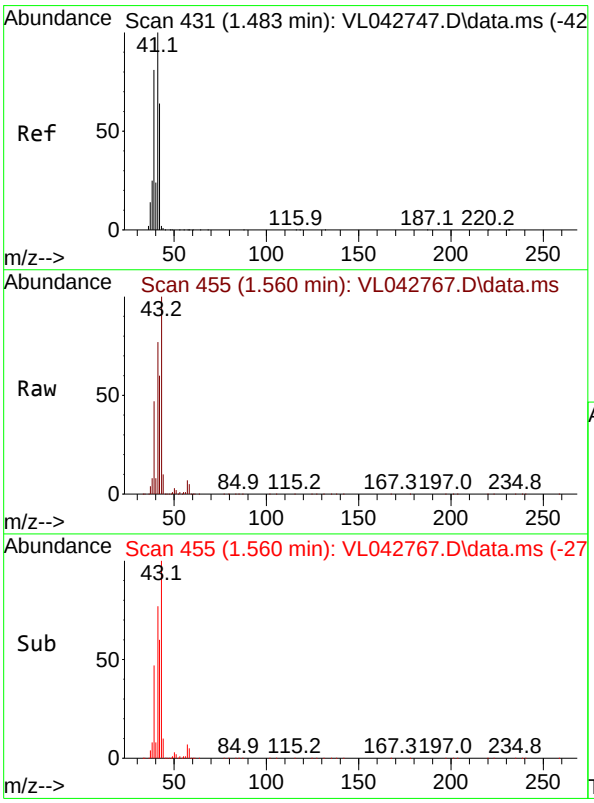
#8
Dichlorotetrafluoroethane
Concen: 0.033 ppbv
RT: 1.557 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 85 Resp: 541

Ion	Ratio	Lower	Upper
85	100		
135	39.0	50.6	76.0#

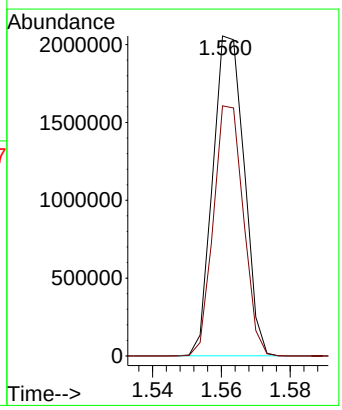


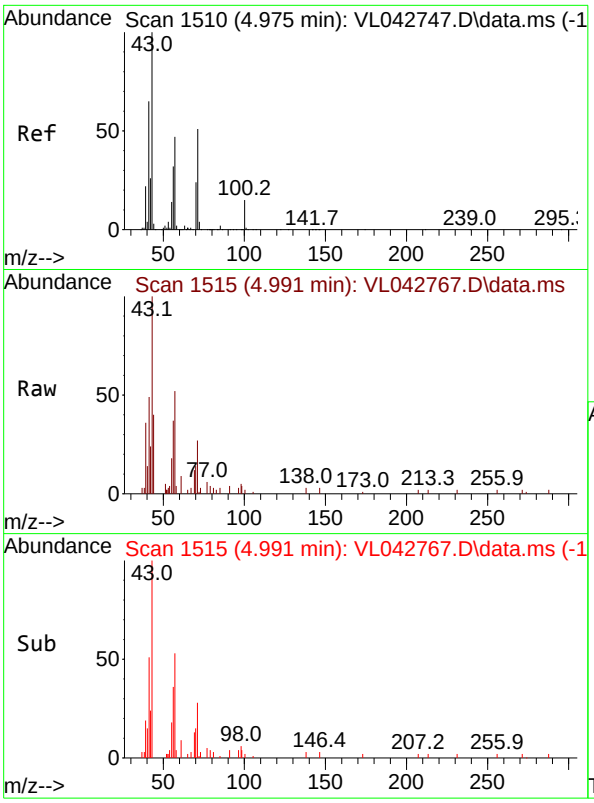


#9
Propene
Concen: 139.661 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 41 Resp: 1303578

Ion	Ratio	Lower	Upper
41	100		
42	74.6	53.2	79.8



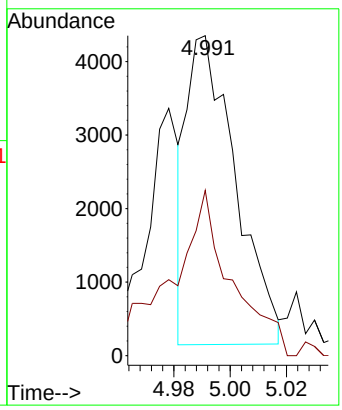


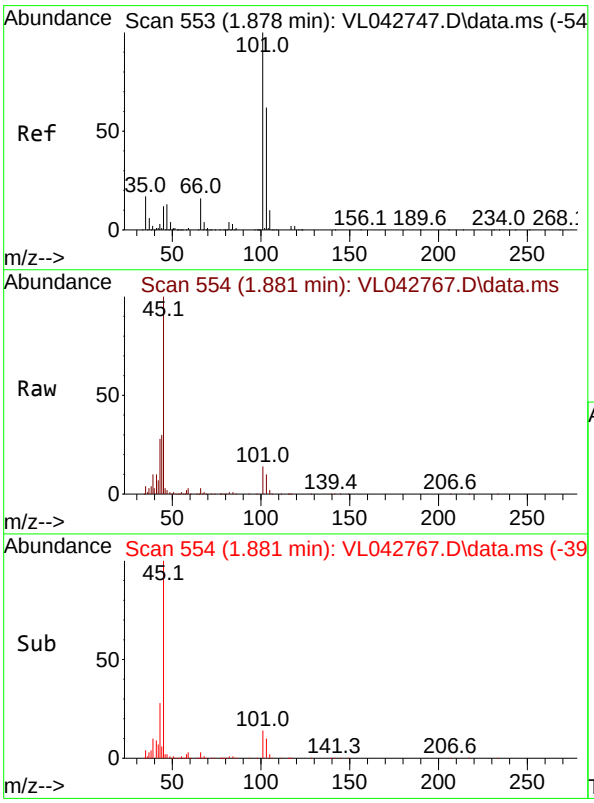
#10
Heptane
Concen: 0.200 ppbv
RT: 4.991 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 43 Resp: 5039

Ion	Ratio	Lower	Upper
43	100		
57	72.1	39.9	59.9#

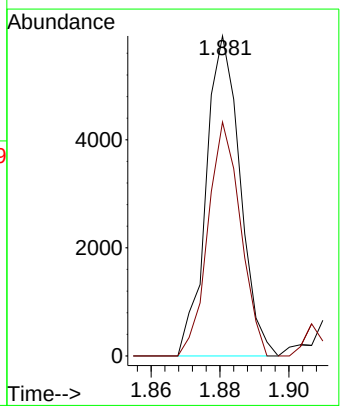


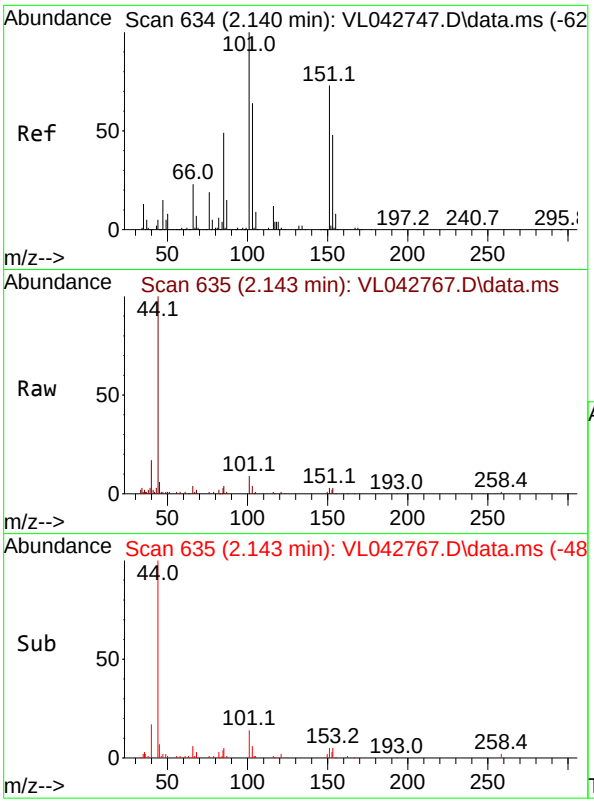


#11
Trichlorofluoromethane
Concen: 0.199 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:101 Resp: 4048

Ion	Ratio	Lower	Upper
101	100		
103	73.1	49.6	74.4



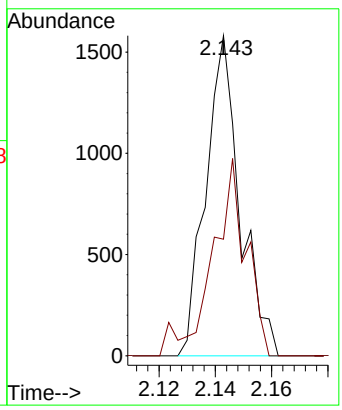


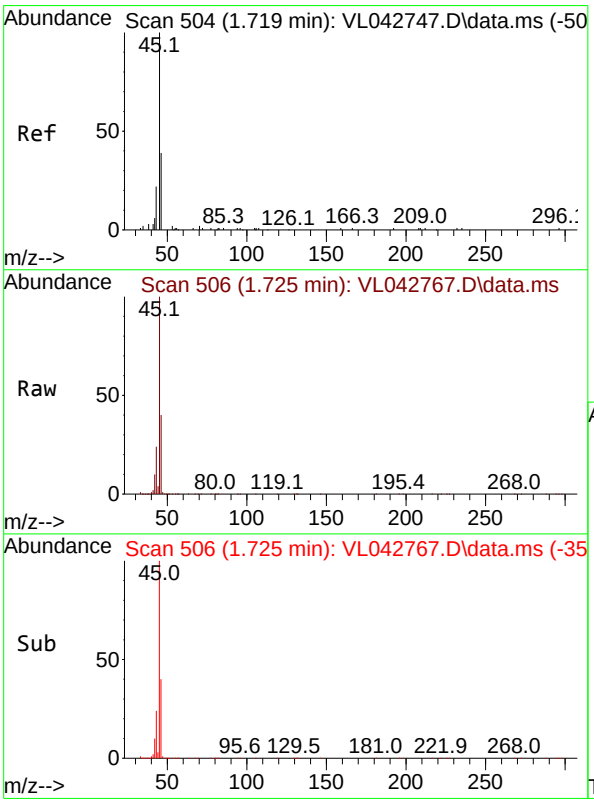
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.087 ppbv
RT: 2.143 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:101 Resp: 1337

Ion	Ratio	Lower	Upper
101	100		
151	60.1	60.5	90.7#

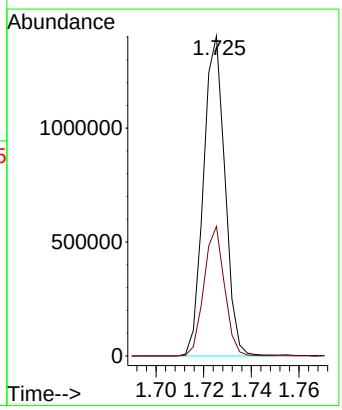


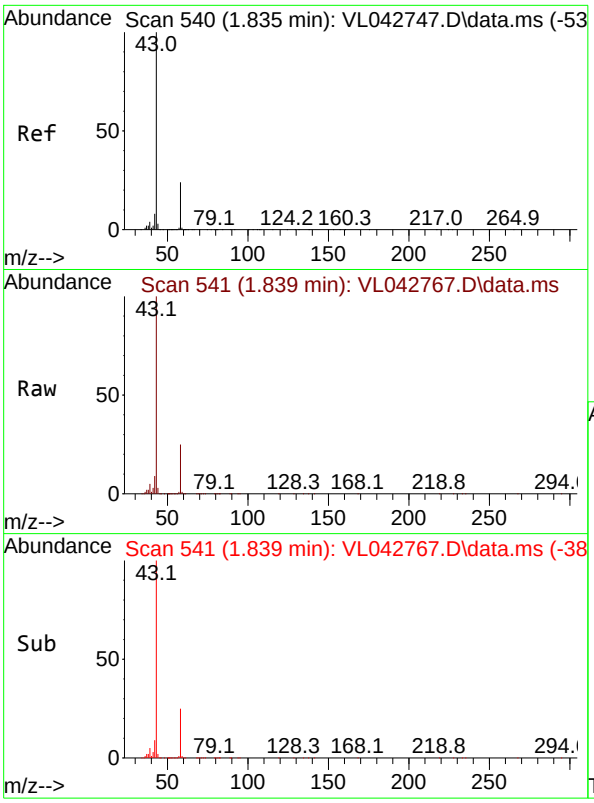


#13
Ethanol
Concen: 1291.503 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 45 Resp: 878523

Ion	Ratio	Lower	Upper
45	100		
46	39.1	17.8	71.4



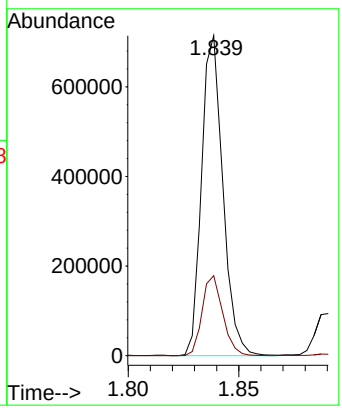


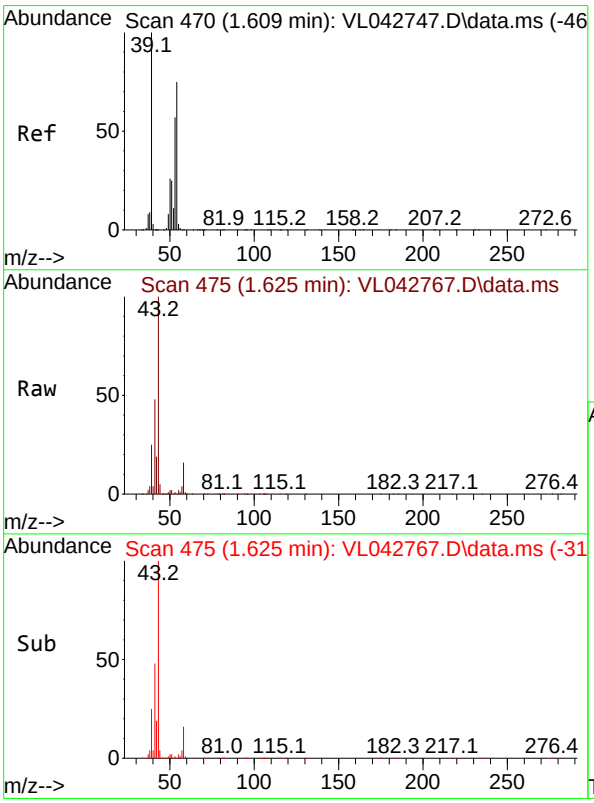
#15
Acetone
Concen: 23.251 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 43 Resp: 478727

Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.8	29.8

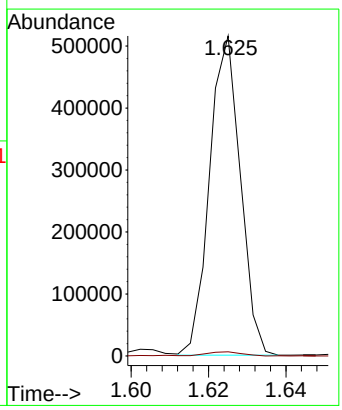


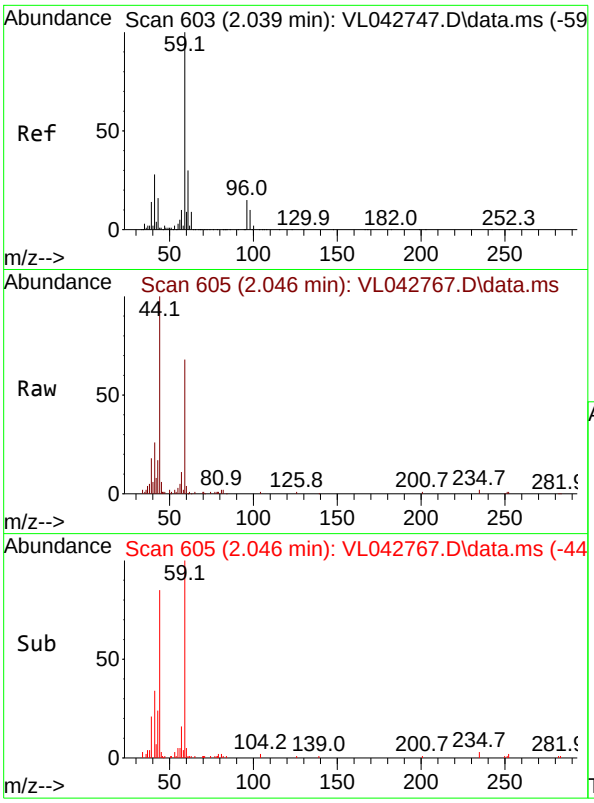


#16
1,3-Butadiene
Concen: 32.408 ppbv
RT: 1.625 min Scan# 475
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 39 Resp: 284621

Ion	Ratio	Lower	Upper
39	100		
54	1.8	54.5	81.7#



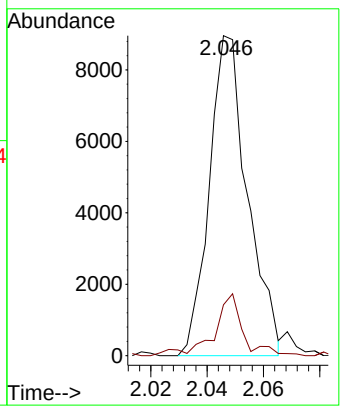


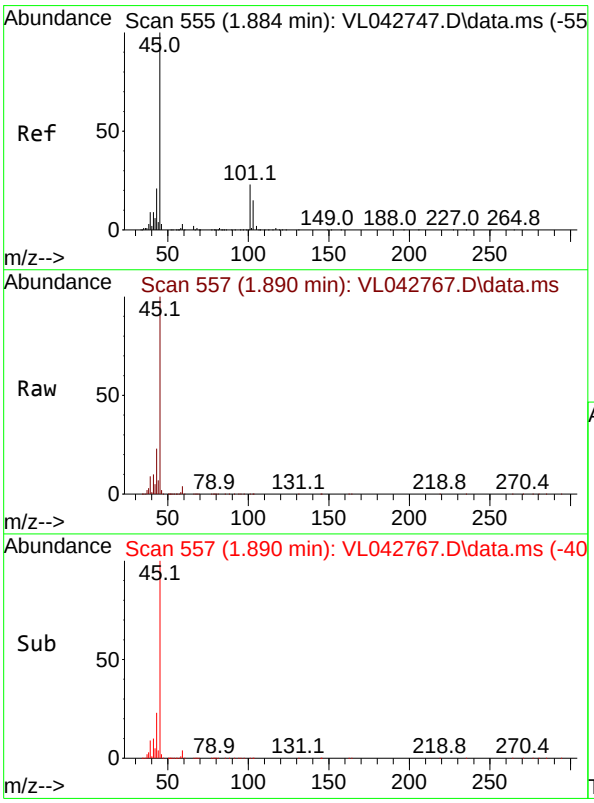
#17
tert-Butyl alcohol
Concen: 0.455 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 59 Resp: 8444

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

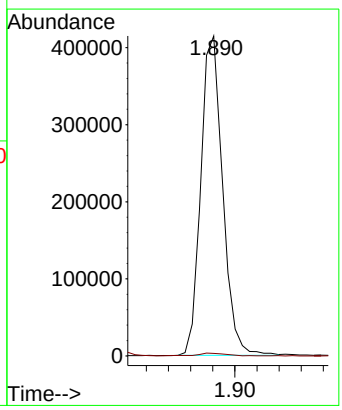


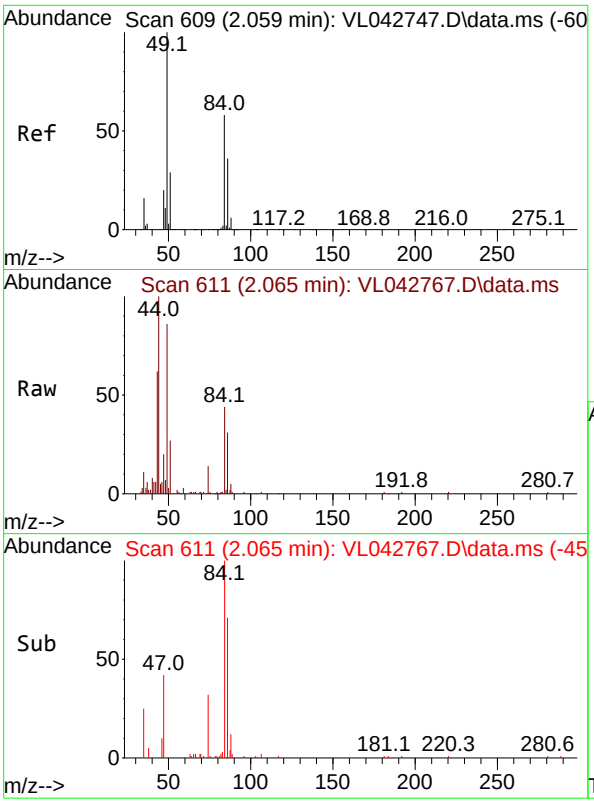


#19
Isopropyl Alcohol
Concen: 25.998 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 45 Resp: 284464

Ion	Ratio	Lower	Upper
45	100		
58	40.9	30.0	45.0



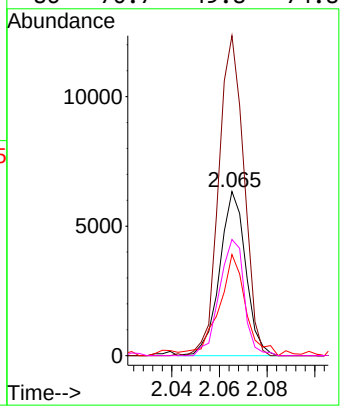


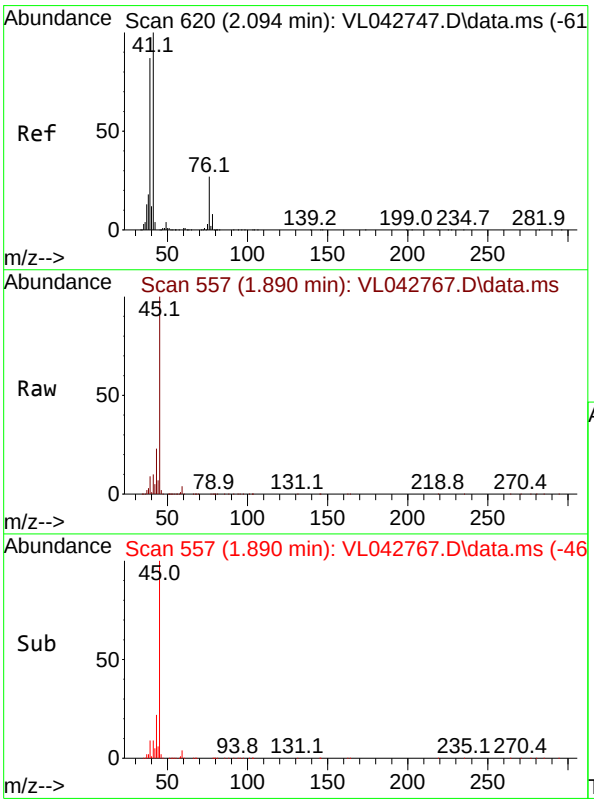
#20
Methylene Chloride
Concen: 0.743 ppbv
RT: 2.065 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 84 Resp: 4822

Ion	Ratio	Lower	Upper
84	100		
49	193.8	138.6	208.0
51	61.6	40.6	61.0#
86	70.7	49.8	74.8

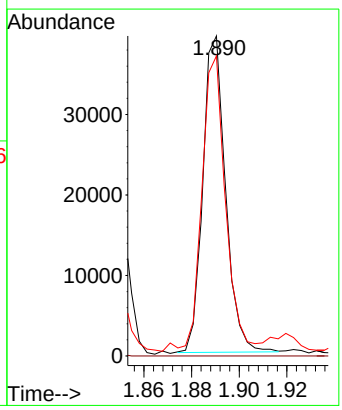


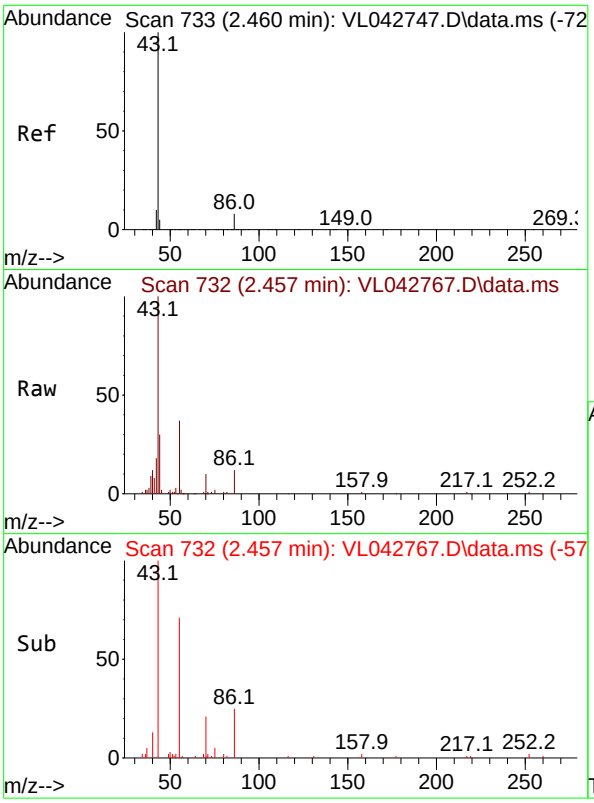


#21
Allyl Chloride
Concen: 2.056 ppbv
RT: 1.890 min Scan# 557
Delta R.T. -0.204 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 41 Resp: 26088

Ion	Ratio	Lower	Upper
41	100		
76	0.2	21.1	31.7#
39	105.4	68.3	102.5#



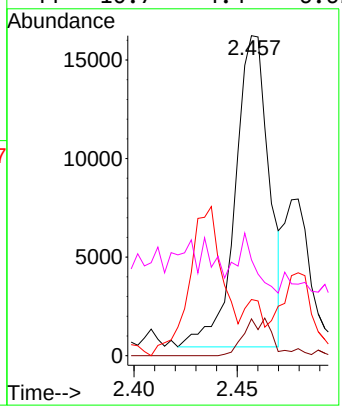


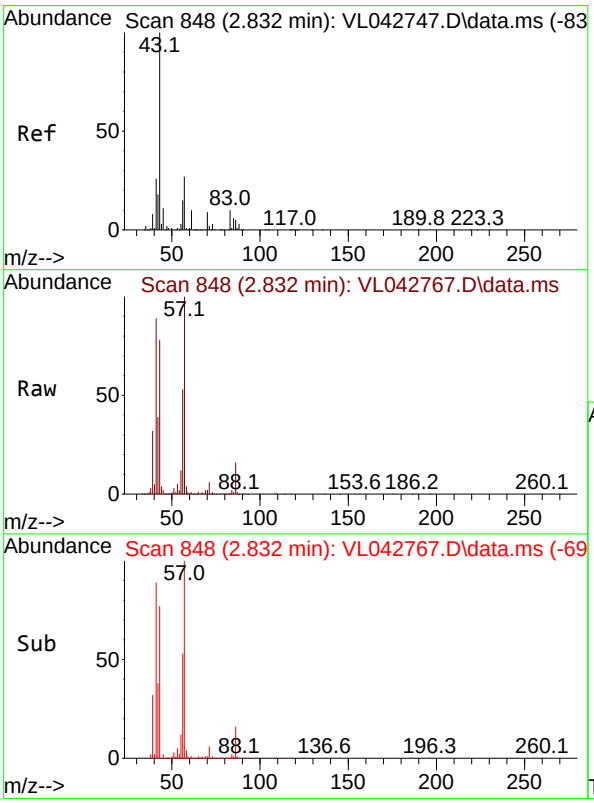
#23
Vinyl Acetate
Concen: 0.721 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 43 Resp: 18008

Ion	Ratio	Lower	Upper
43	100		
86	11.8	6.1	9.1#
42	8.9	7.8	11.8
44	10.7	4.4	6.6#

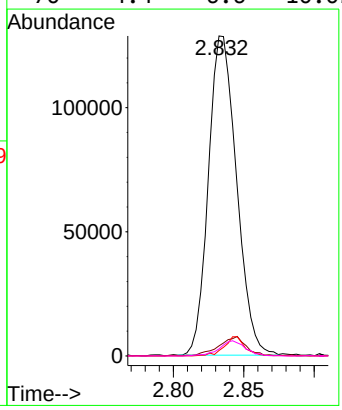


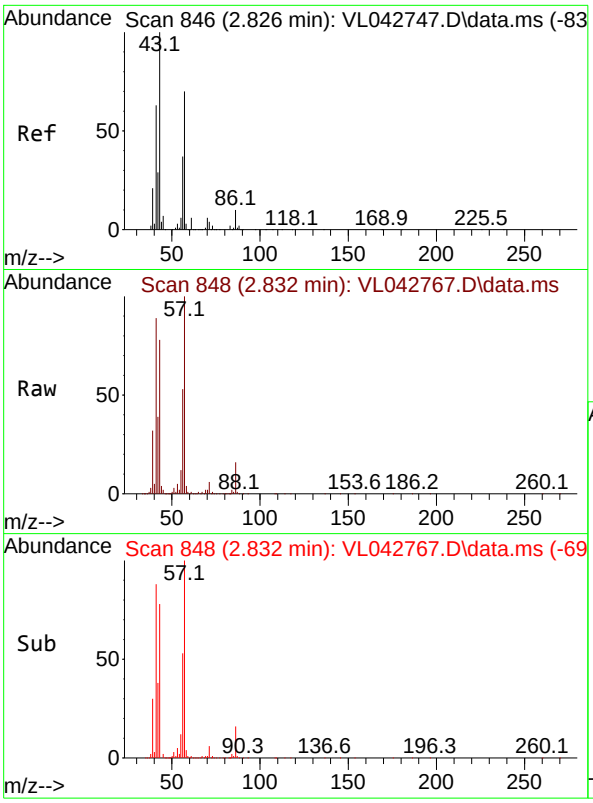


#25
Ethyl Acetate
Concen: 3.924 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 43 Resp: 178839

Ion	Ratio	Lower	Upper
43	100		
45	6.2	7.8	11.6#
61	4.6	6.7	10.1#
70	4.4	6.6	10.0#



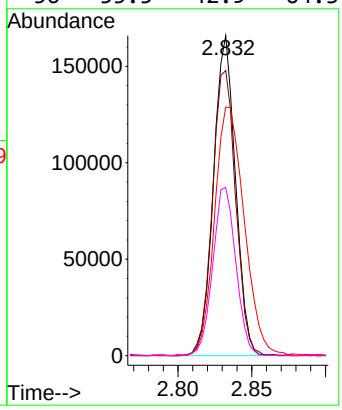


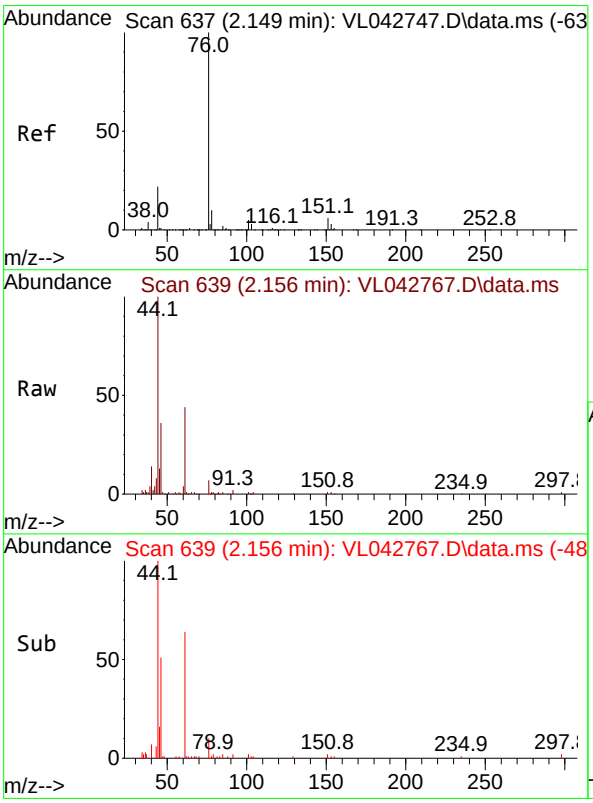
#26
Hexane
Concen: 8.580 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 57 Resp: 171539

Ion	Ratio	Lower	Upper
57	100		
41	95.5	75.4	113.2
43	105.8	185.0	277.6#
56	55.5	42.9	64.3

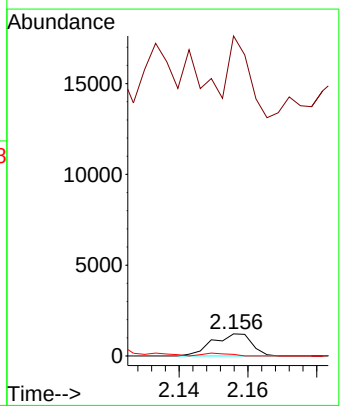


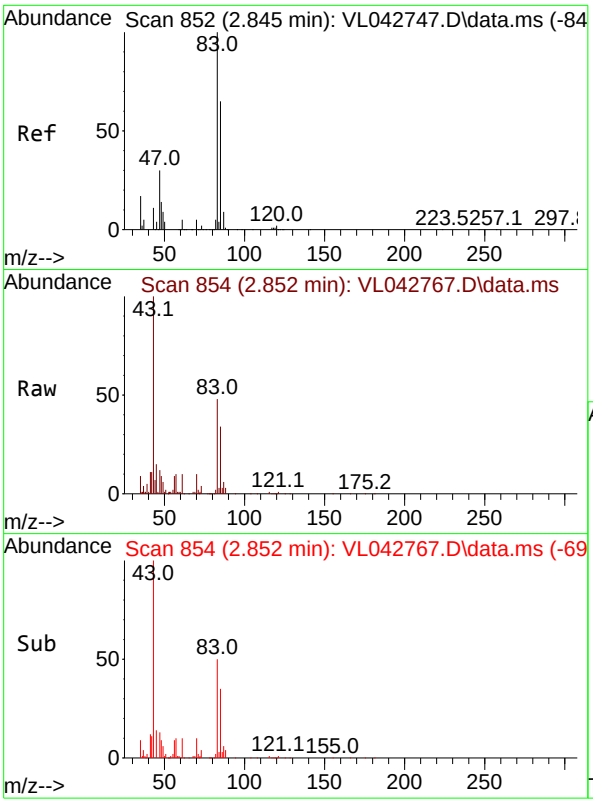


#27
Carbon Disulfide
Concen: 0.056 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 76 Resp: 965

Ion	Ratio	Lower	Upper
76	100		
44	309.8	19.3	28.9#
78	2.9	9.9	14.9#



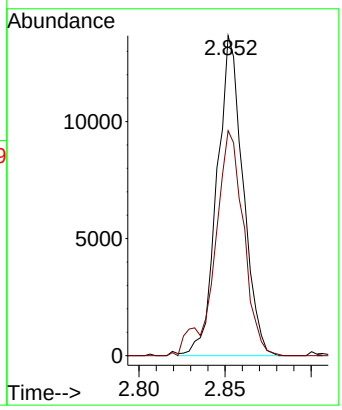


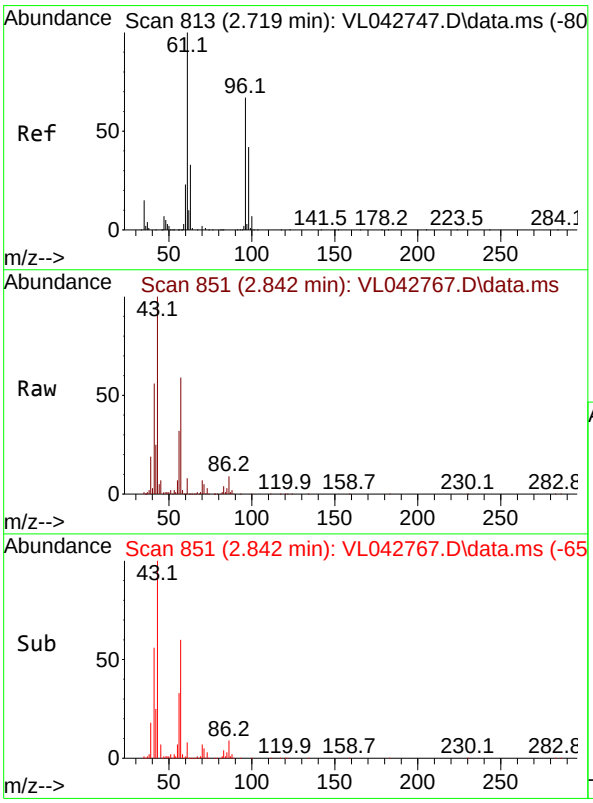
#29
Chloroform
Concen: 0.465 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 83 Resp: 14358

Ion	Ratio	Lower	Upper
83	100		
85	70.3	52.2	78.2

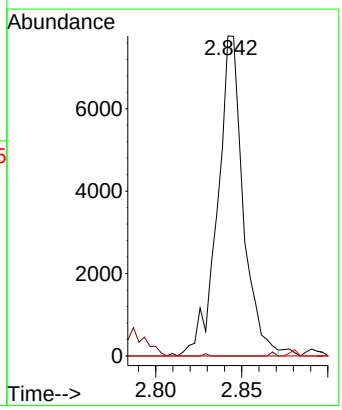


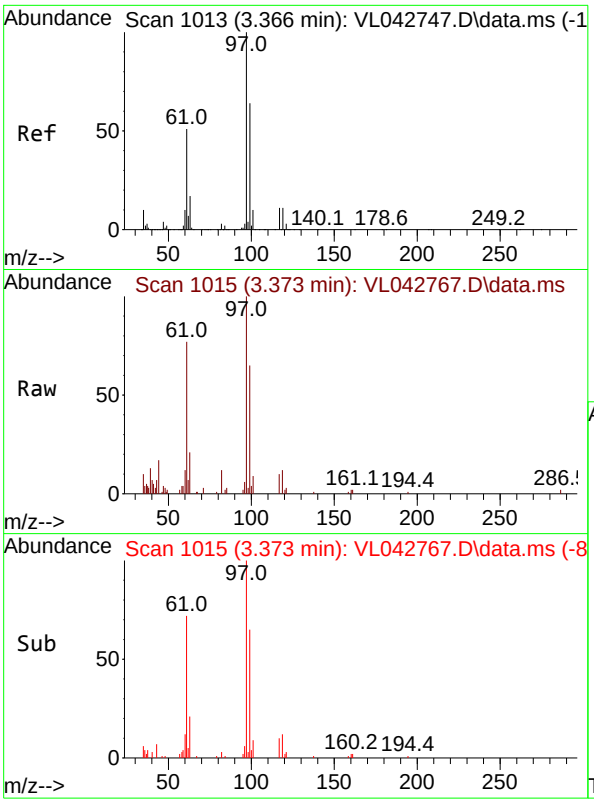


#31
cis-1,2-Dichloroethene
Concen: 0.390 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.123 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 61 Resp: 8009

Ion	Ratio	Lower	Upper
61	100		
96	0.0	53.5	80.3#
98	0.0	33.6	50.4#



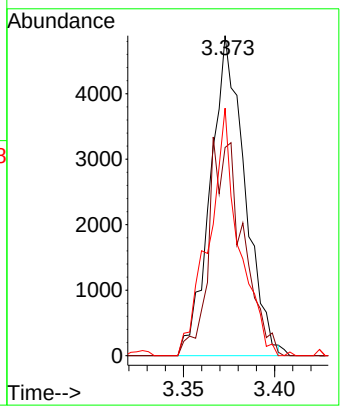


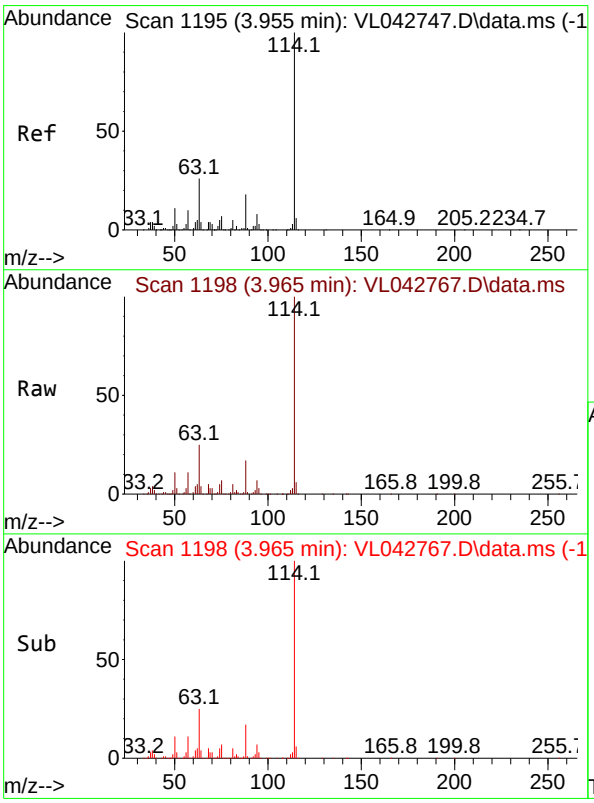
#32
1,1,1-Trichloroethane
Concen: 0.199 ppbv
RT: 3.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 97 Resp: 6414

Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.0	76.6
61	68.5	40.9	61.3#

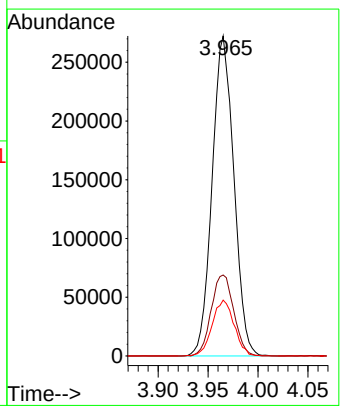


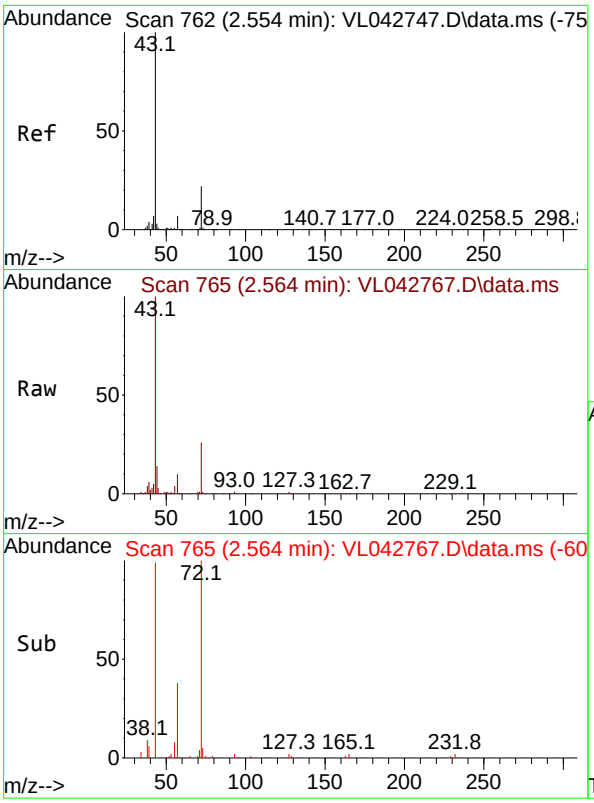


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:114 Resp: 411819

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.5	30.7
88	17.7	14.0	21.0



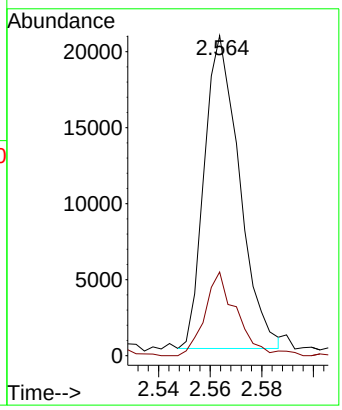


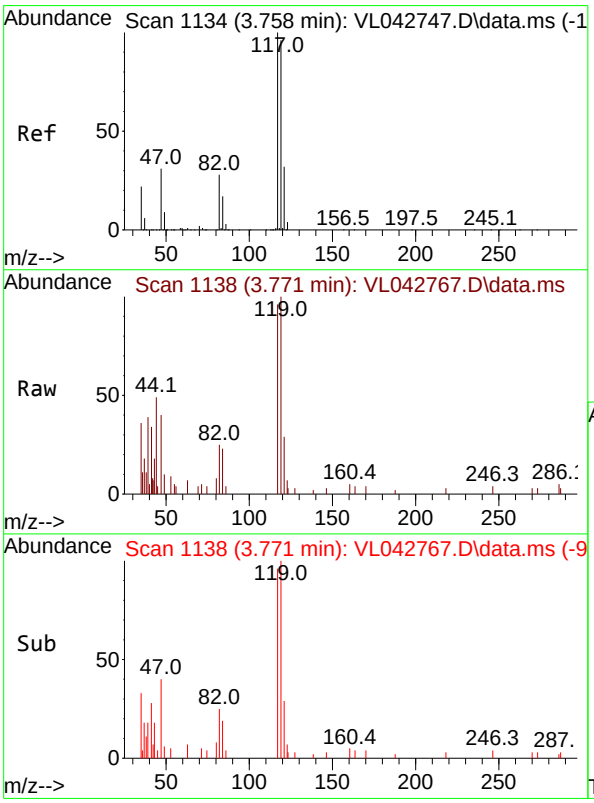
#34
2-Butanone
Concen: 0.667 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 43 Resp: 19454

Ion	Ratio	Lower	Upper
43	100		
72	24.6	17.4	26.0

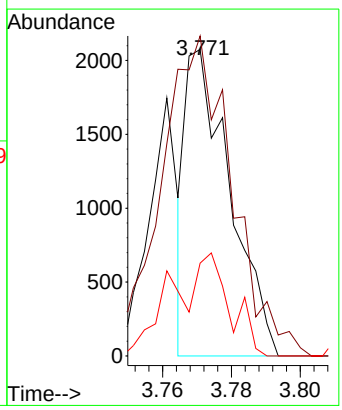


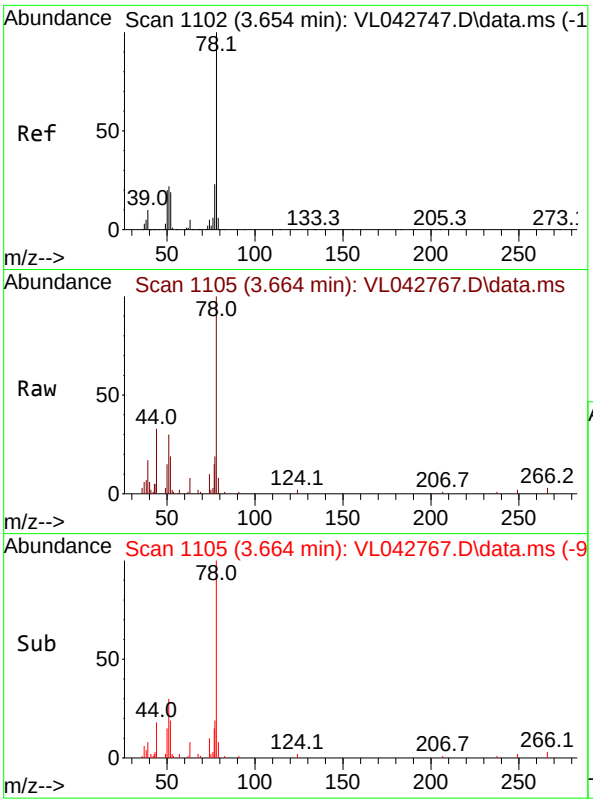


#35
Carbon Tetrachloride
Concen: 0.061 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:117 Resp: 1862

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.1	115.7
121	30.3	25.5	38.3



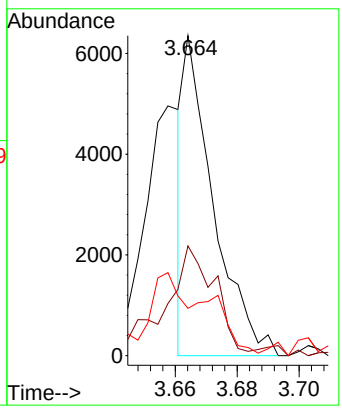


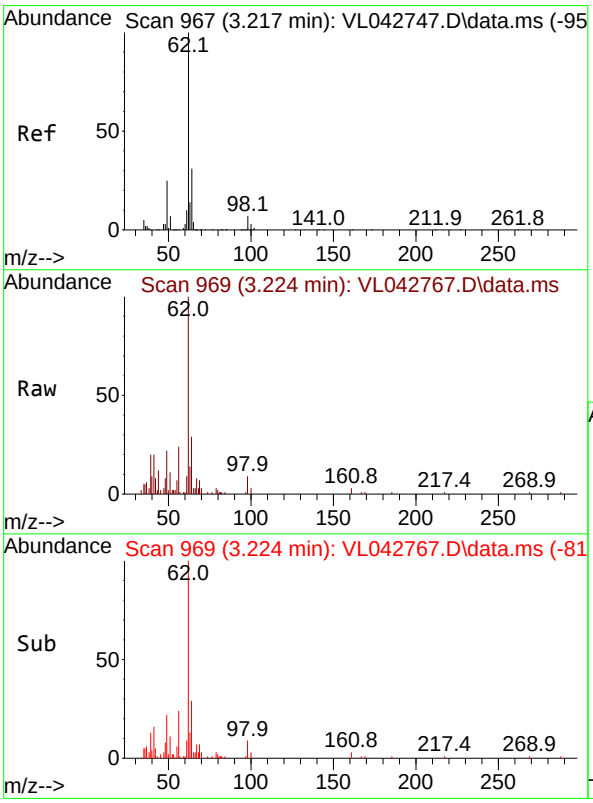
#36
Benzene
Concen: 0.108 ppbv
RT: 3.664 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 78 Resp: 4222

Ion	Ratio	Lower	Upper
78	100		
77	31.1	18.5	27.7#
50	10.6	16.2	24.2#

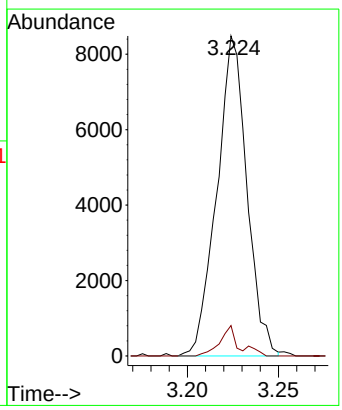


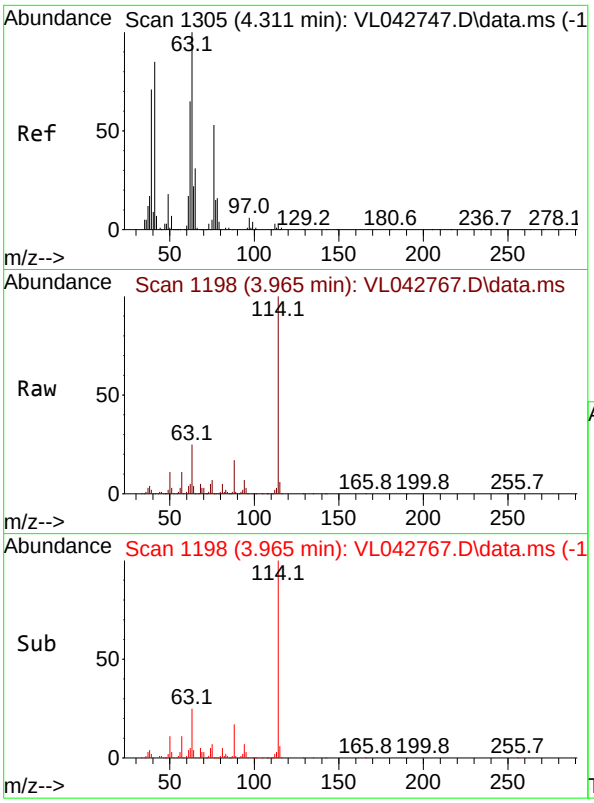


#37
1,2-Dichloroethane
Concen: 0.414 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 62 Resp: 9737

Ion	Ratio	Lower	Upper
62	100		
98	5.9	5.2	7.8



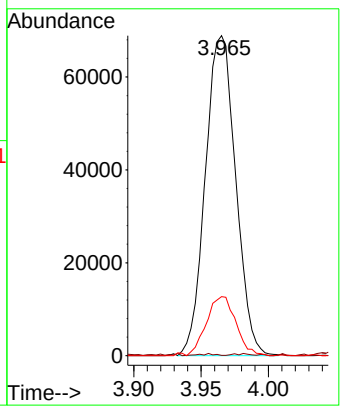


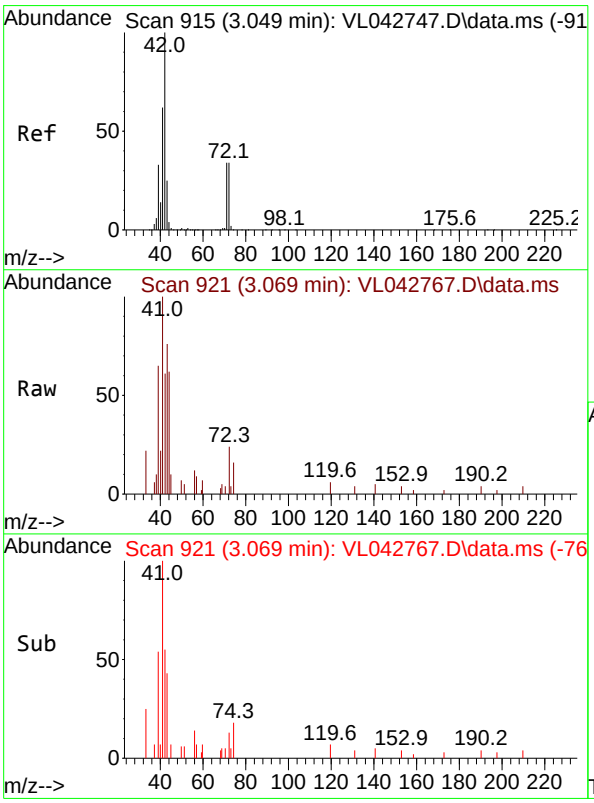
#39
1,2-Dichloropropane
Concen: 7.515 ppbv
RT: 3.965 min Scan# 11
Delta R.T. -0.346 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 63 Resp: 108262

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	18.3	52.0	78.0#

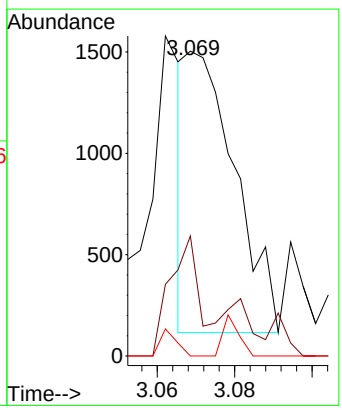


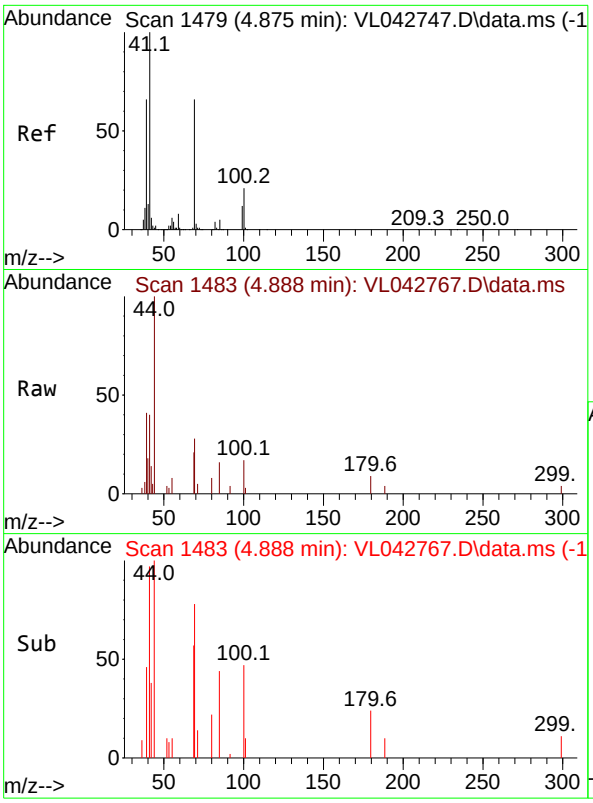


#41
Tetrahydrofuran
Concen: 0.082 ppbv
RT: 3.069 min Scan# 921
Delta R.T. 0.019 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 42 Resp: 1223

Ion	Ratio	Lower	Upper
42	100		
72	42.3	30.9	46.3
71	0.0	28.6	43.0#



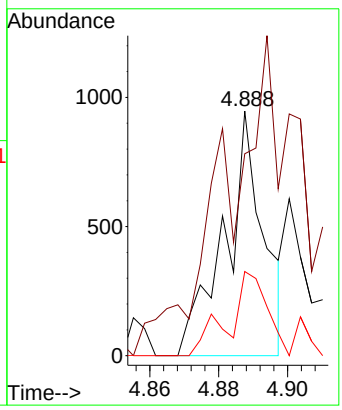


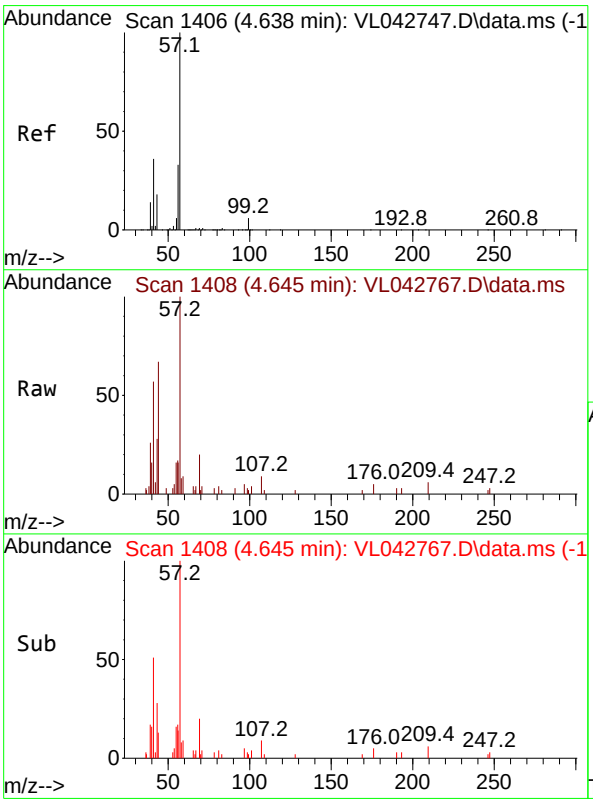
#43
Methyl Methacrylate
Concen: 0.053 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.013 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 69 Resp: 738

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	39.6	28.6	42.8

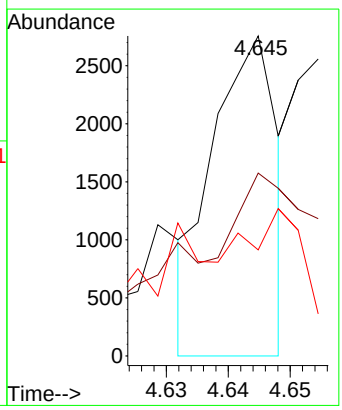


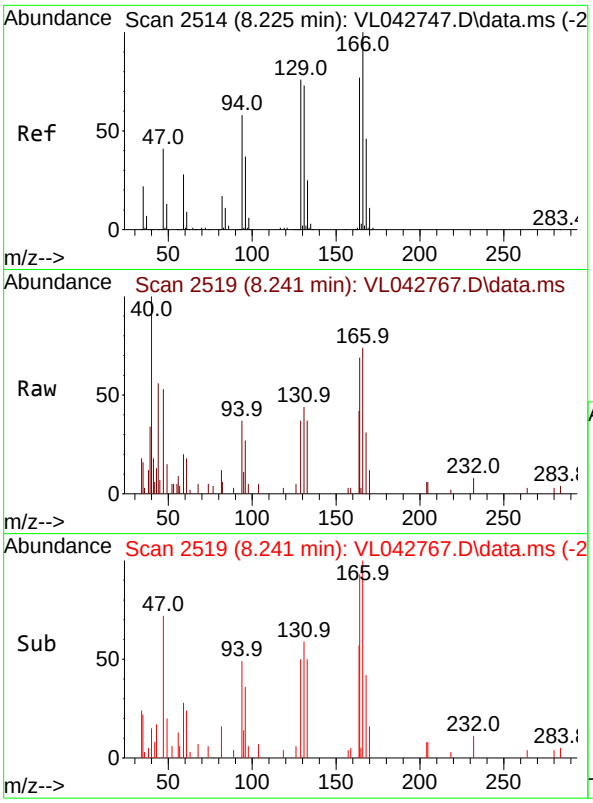


#44
2,2,4-Trimethylpentane
Concen: 0.031 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 57 Resp: 2003

Ion	Ratio	Lower	Upper
57	100		
41	180.3	28.3	42.5#
56	141.1	25.8	38.6#



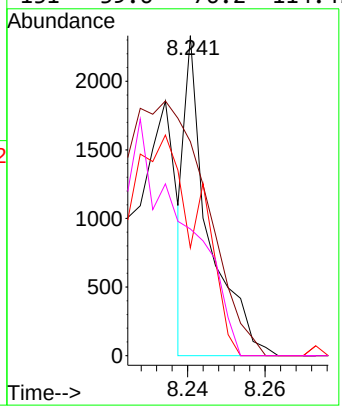


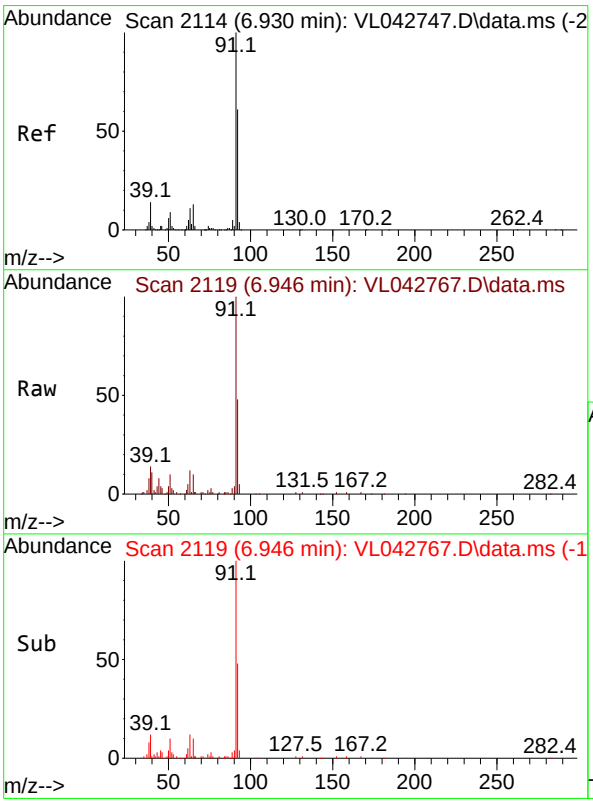
#52
Tetrachloroethene
Concen: 0.061 ppbv
RT: 8.241 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:164 Resp: 984

Ion	Ratio	Lower	Upper
164	100		
166	66.9	104.0	156.0#
129	33.7	79.2	118.8#
131	39.6	76.2	114.4#

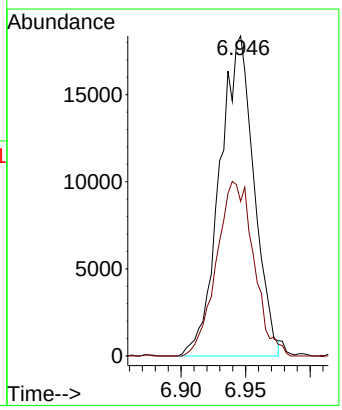


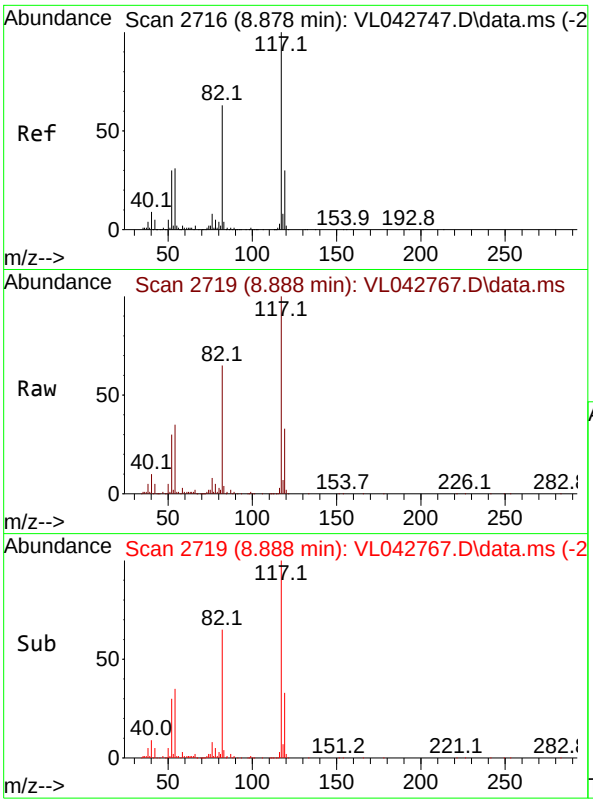


#53
Toluene
Concen: 0.811 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 91 Resp: 33987

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.0	72.0



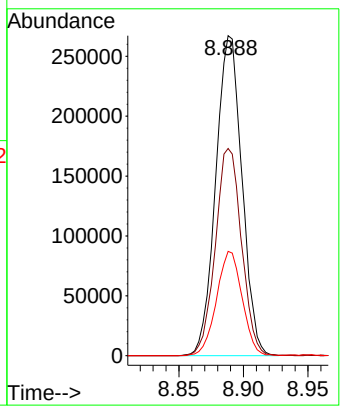


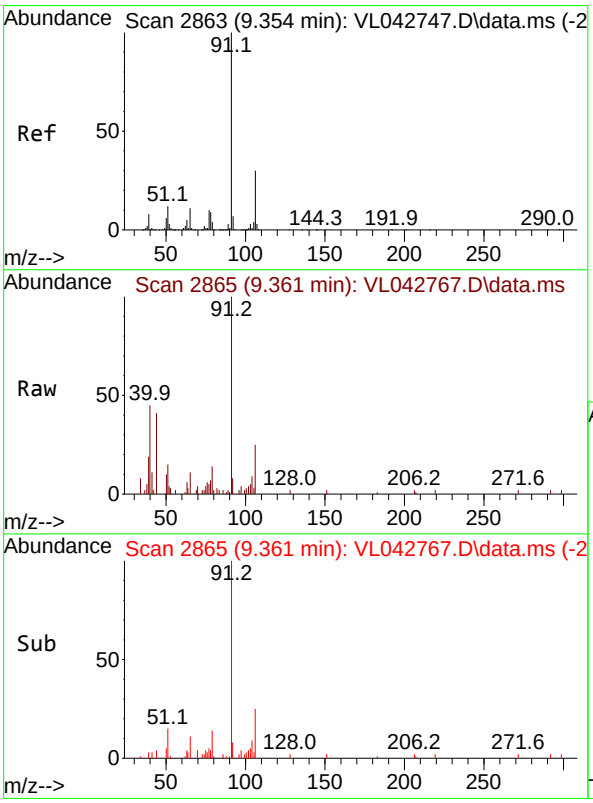
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:117 Resp: 377399

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.3	79.9
119	32.0	25.8	38.6

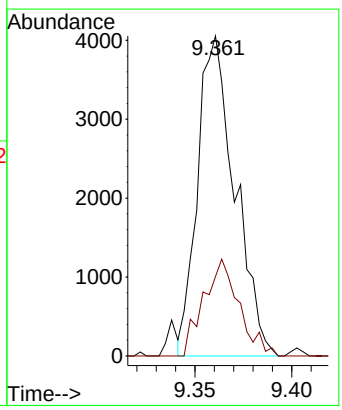


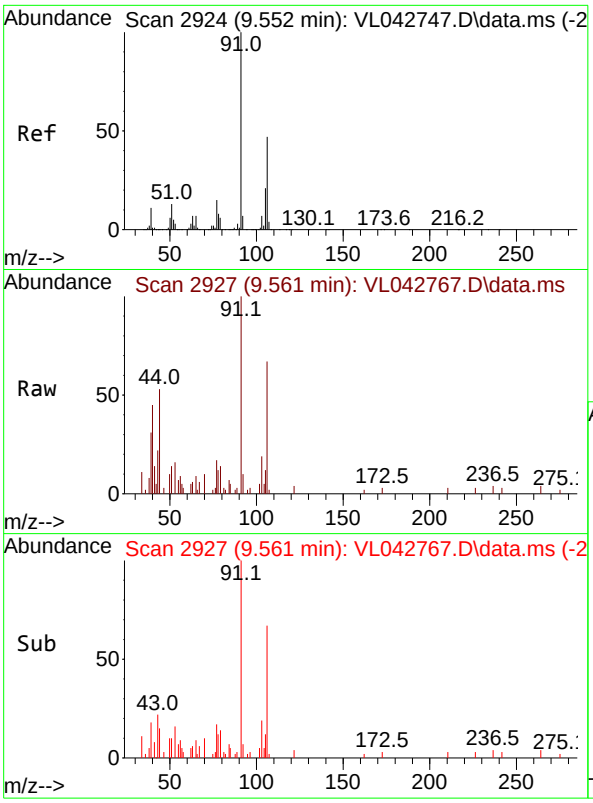


#58
Ethyl Benzene
Concen: 0.091 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 91 Resp: 5433

Ion	Ratio	Lower	Upper
91	100		
106	24.8	23.8	35.6



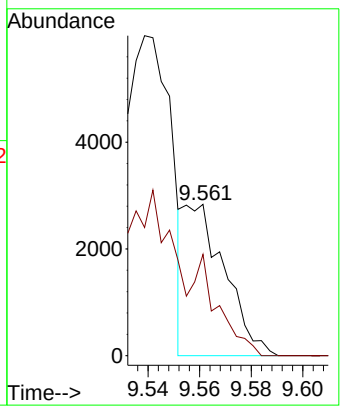


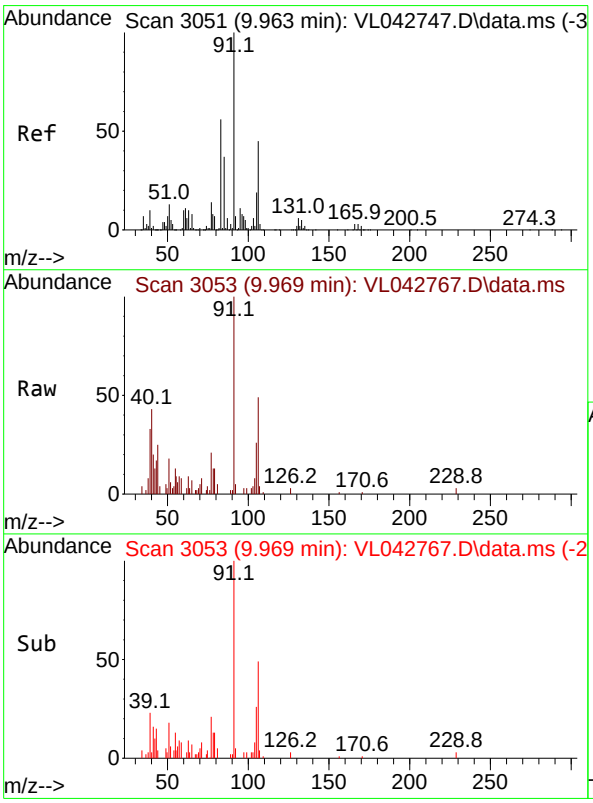
#59
m/p-Xylene
Concen: 0.065 ppbv
RT: 9.561 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 91 Resp: 3119

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#

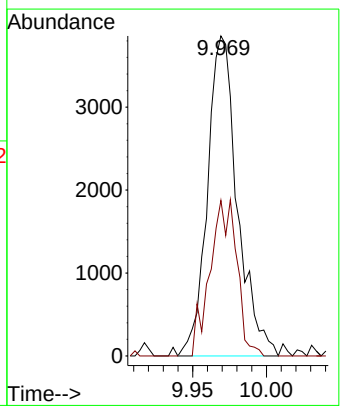


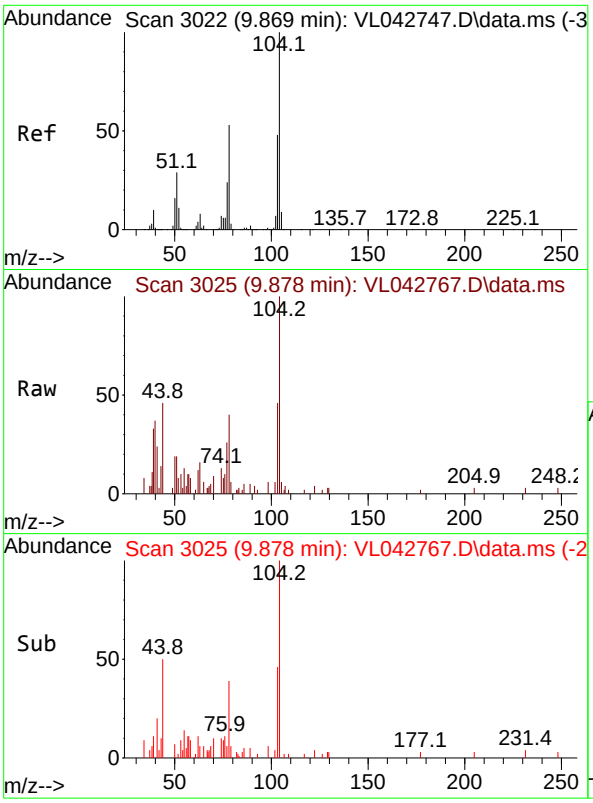


#60
o-Xylene
Concen: 0.115 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 91 Resp: 5451

Ion	Ratio	Lower	Upper
91	100		
106	43.9	22.0	66.0



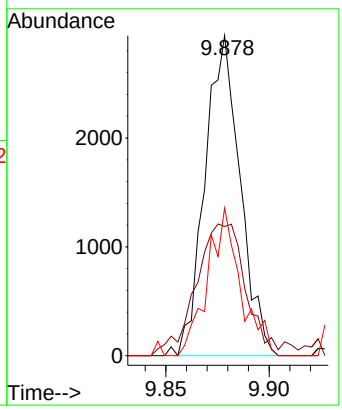


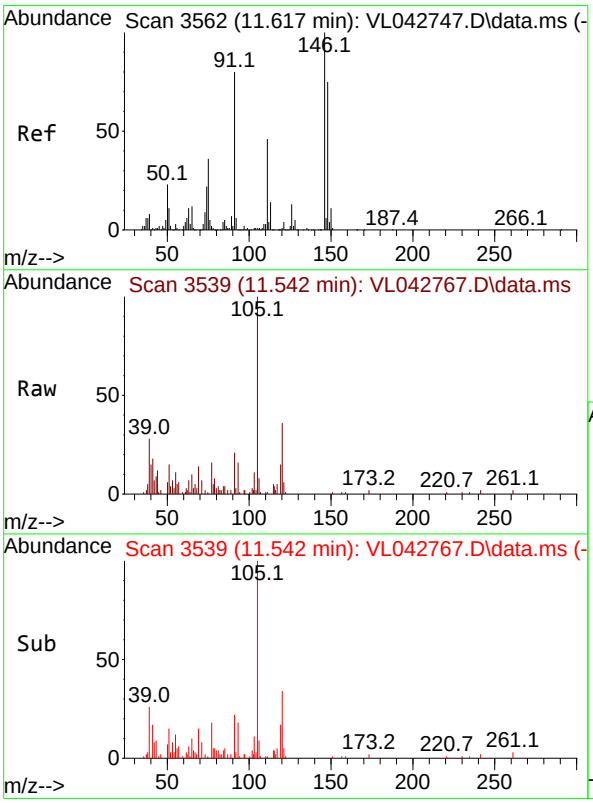
#61
Styrene
Concen: 0.174 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:104 Resp: 3486

Ion	Ratio	Lower	Upper
104	100		
78	59.5	41.5	62.3
103	43.9	37.5	56.3

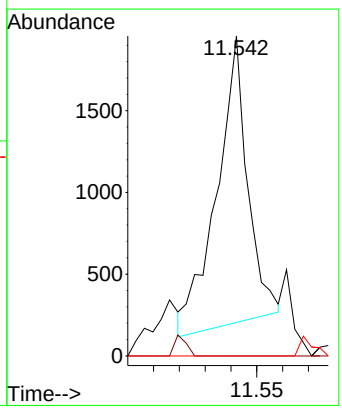


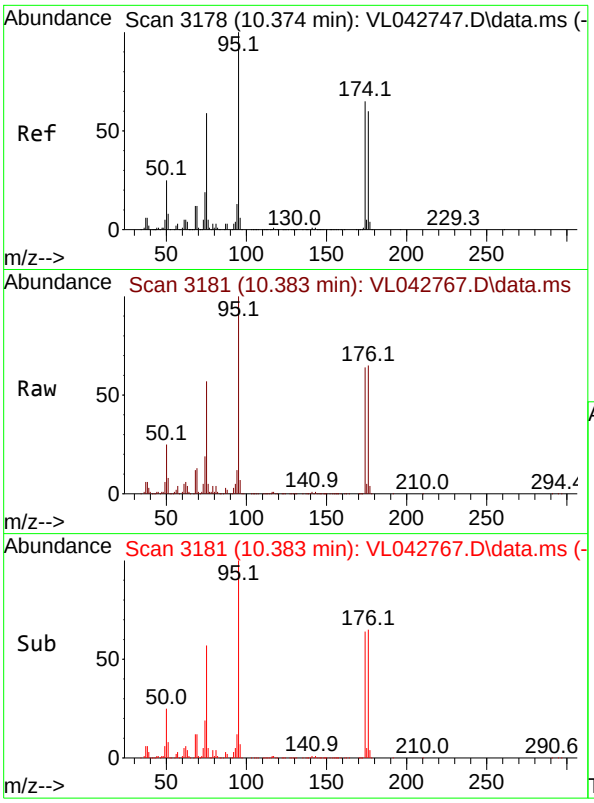


#66
Benzyl Chloride
Concen: 0.285 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.074 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion: 91 Resp: 1457

Ion	Ratio	Lower	Upper
91	100		
126	2.3	14.4	21.6#
128	6.1	5.2	7.8



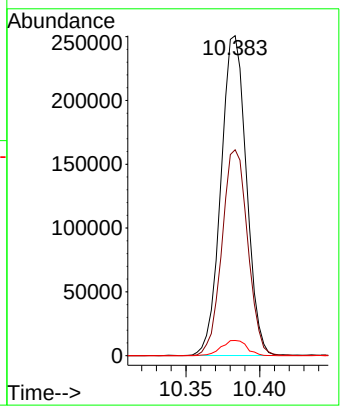


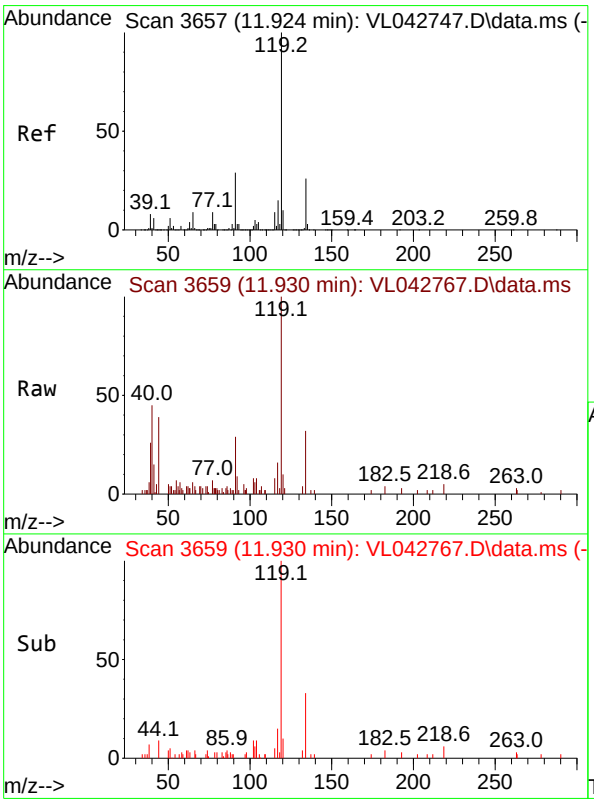
#68
1-Bromo-4-Fluorobenzene
Concen: 10.044 ppbv
RT: 10.383 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion: 95 Resp: 300204

Ion	Ratio	Lower	Upper
95	100		
174	65.3	53.8	80.6
175	4.8	4.0	6.0

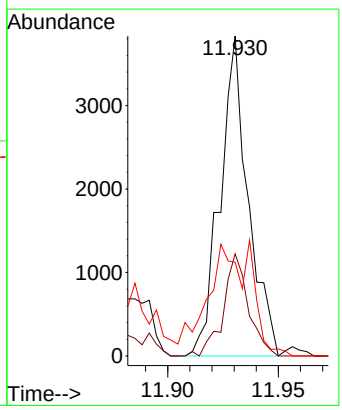


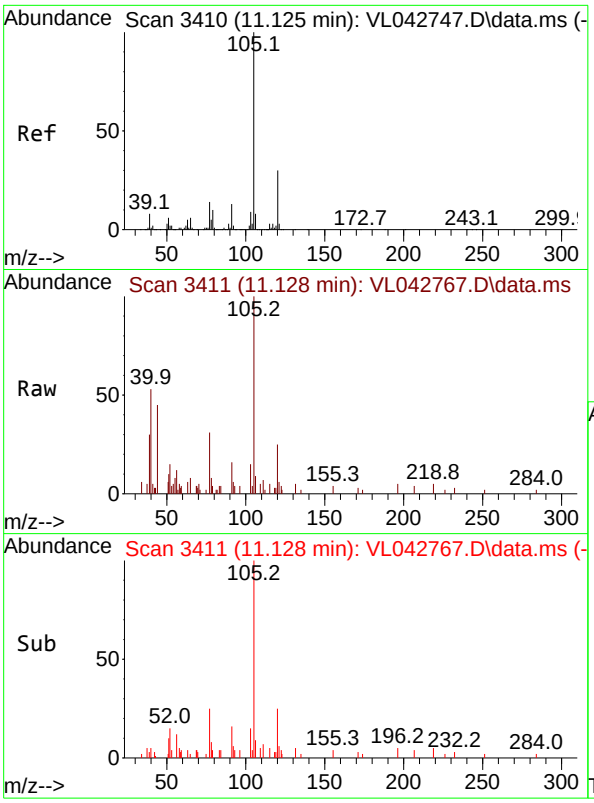


#69
p-Isopropyltoluene
Concen: 0.047 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:119 Resp: 3380

Ion	Ratio	Lower	Upper
119	100		
134	28.5	20.6	31.0
91	55.3	23.2	34.8#



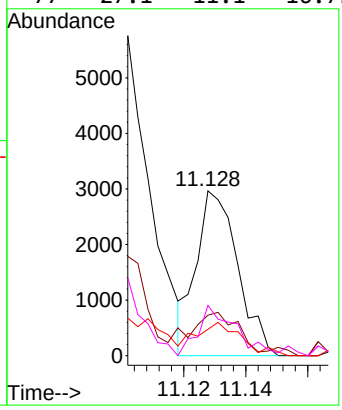


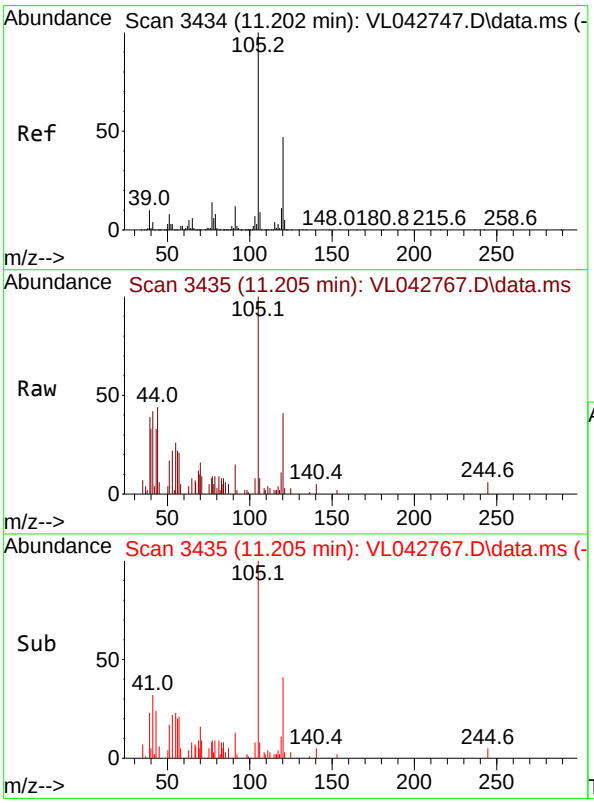
#72
4-Ethyltoluene
Concen: 0.049 ppbv
RT: 11.128 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:105 Resp: 2764

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.4	36.6
91	0.0	10.6	15.8#
77	27.1	11.1	16.7#

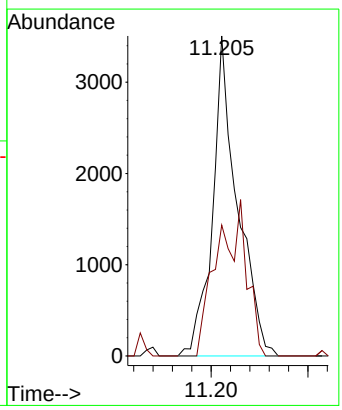


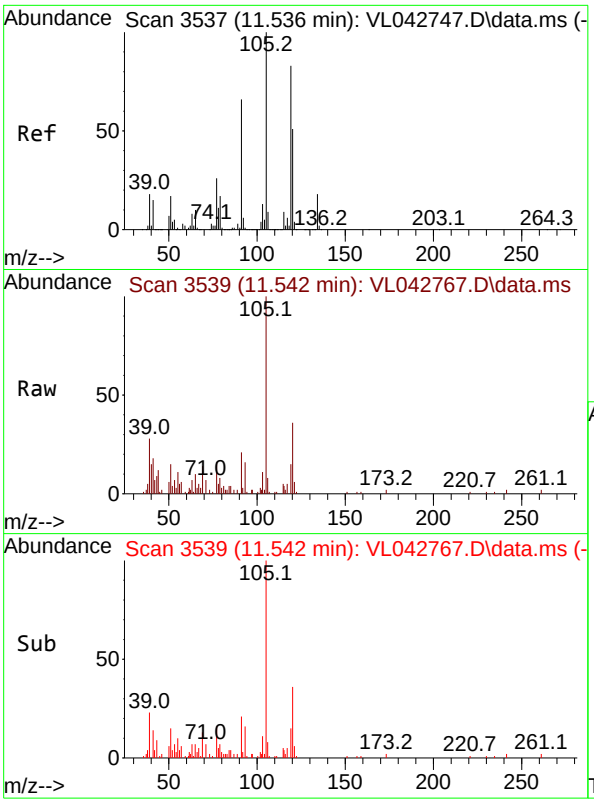


#73
1,3,5-Trimethylbenzene
Concen: 0.067 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. 0.003 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:105 Resp: 3128

Ion	Ratio	Lower	Upper
105	100		
120	40.9	37.8	56.8



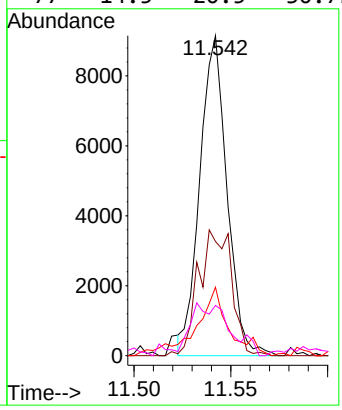


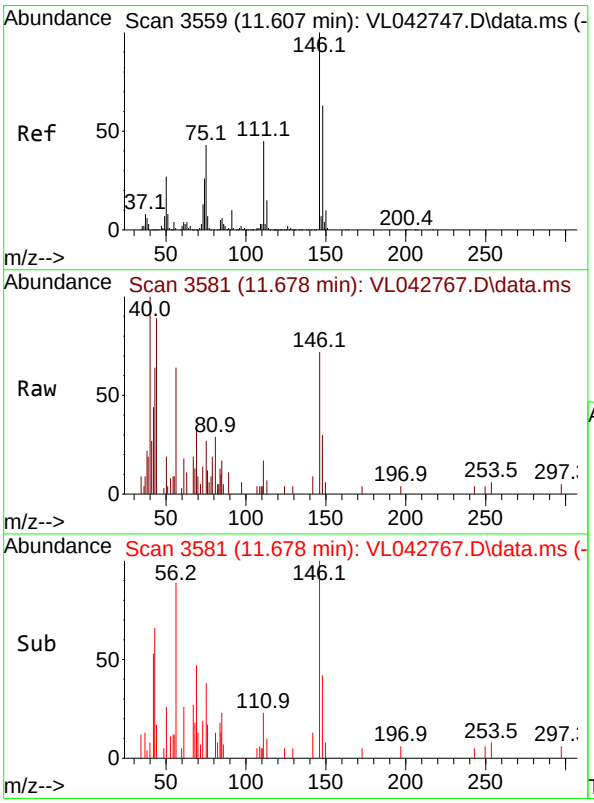
#74
1,2,4-Trimethylbenzene
Concen: 0.175 ppbv
RT: 11.542 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:105 Resp: 8935

Ion	Ratio	Lower	Upper
105	100		
120	36.0	40.8	61.2#
91	21.0	53.0	79.4#
77	14.5	20.5	30.7#

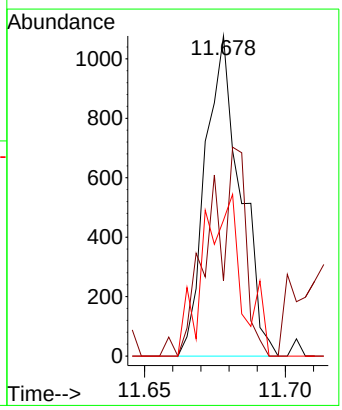


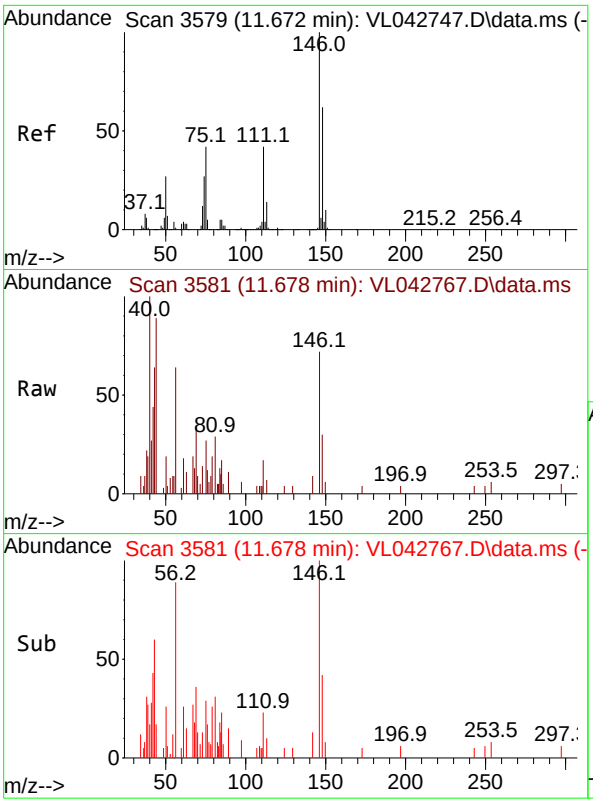


#75
1,3-Dichlorobenzene
Concen: 0.026 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.071 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:146 Resp: 934

Ion	Ratio	Lower	Upper
146	100		
111	95.0	22.7	68.0#
148	55.1	31.9	95.5



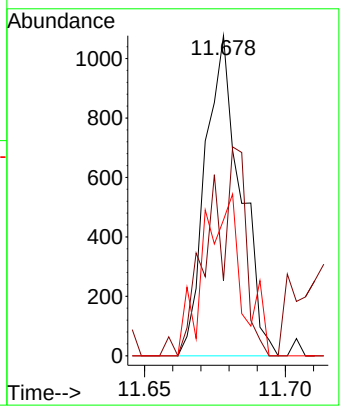


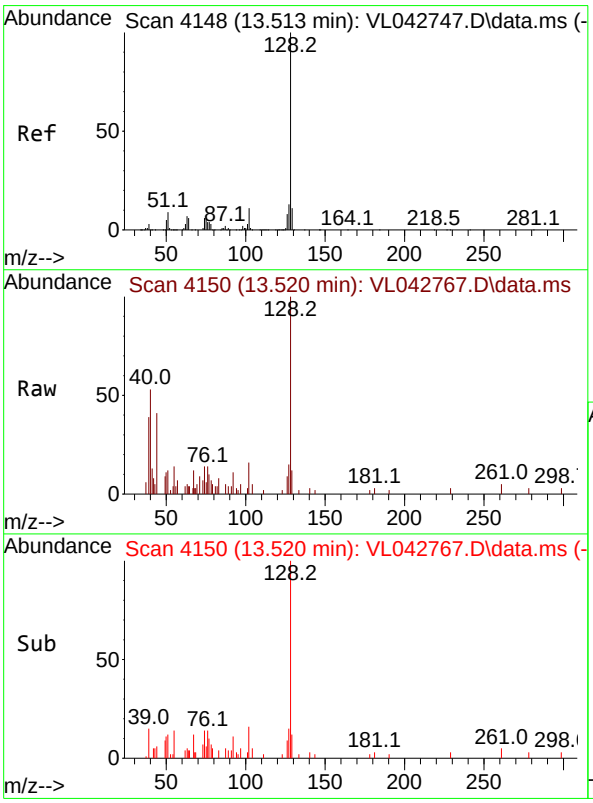
#76
1,4-Dichlorobenzene
Concen: 0.027 ppbv
RT: 11.678 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:146 Resp: 934

Ion	Ratio	Lower	Upper
146	100		
111	66.4	21.4	64.2#
148	55.1	32.1	96.3

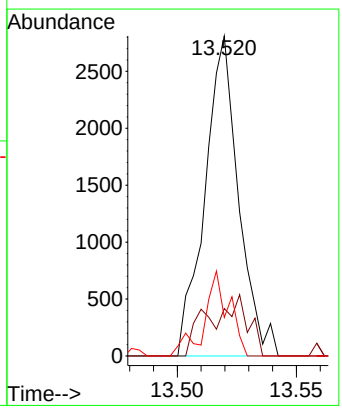


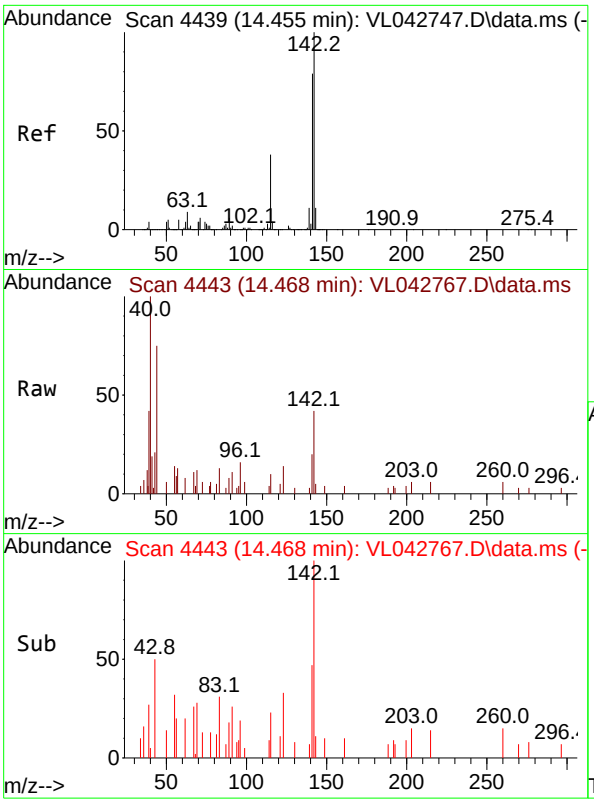


#79
Naphthalene
Concen: 0.483 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:128 Resp: 2772

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.5	15.7
129	12.1	8.6	13.0



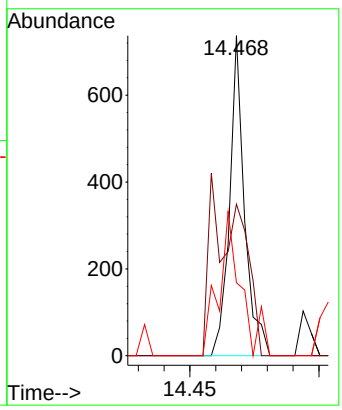


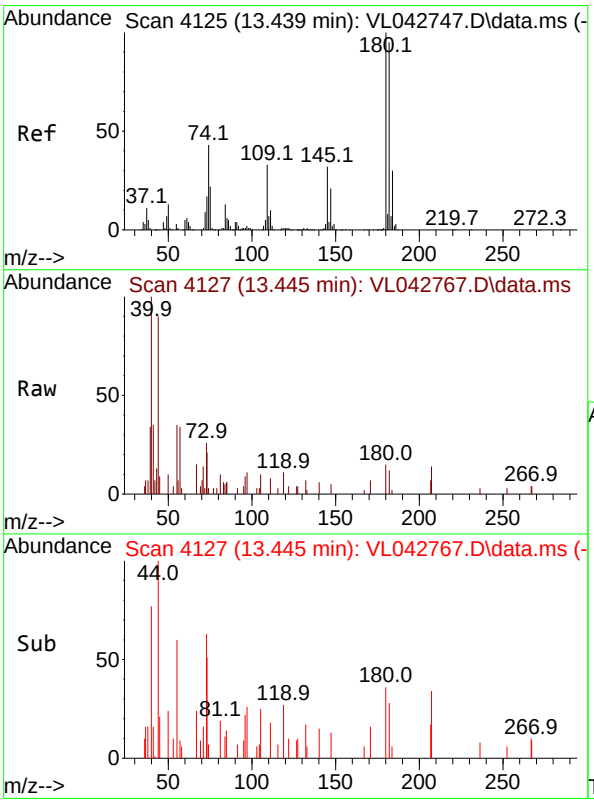
#80
Naphthalene,2-methyl-
Concen: 1.138 ppbv
RT: 14.468 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1

Tgt Ion:142 Resp: 297

Ion	Ratio	Lower	Upper
142	100		
141	110.1	65.8	98.8#
115	67.3	31.2	46.8#

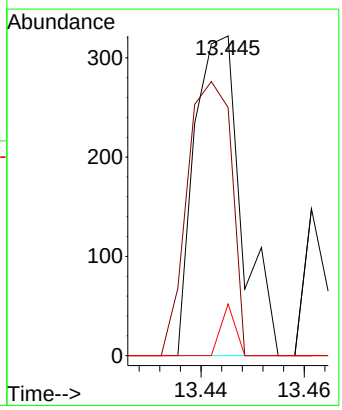




#81
1,2,4-Trichlorobenzene
Concen: 0.441 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. 0.006 min
Lab File: VL042767.D
Acq: 24 Jul 2025 16:17

Tgt Ion:180 Resp: 203

Ion	Ratio	Lower	Upper
180	100		
182	81.3	76.2	114.2
184	10.3	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042768.D
Acq On : 24 Jul 2025 16:53
Operator : SY/MD
Sample : Q2671-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Quant Time: Jul 25 01:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

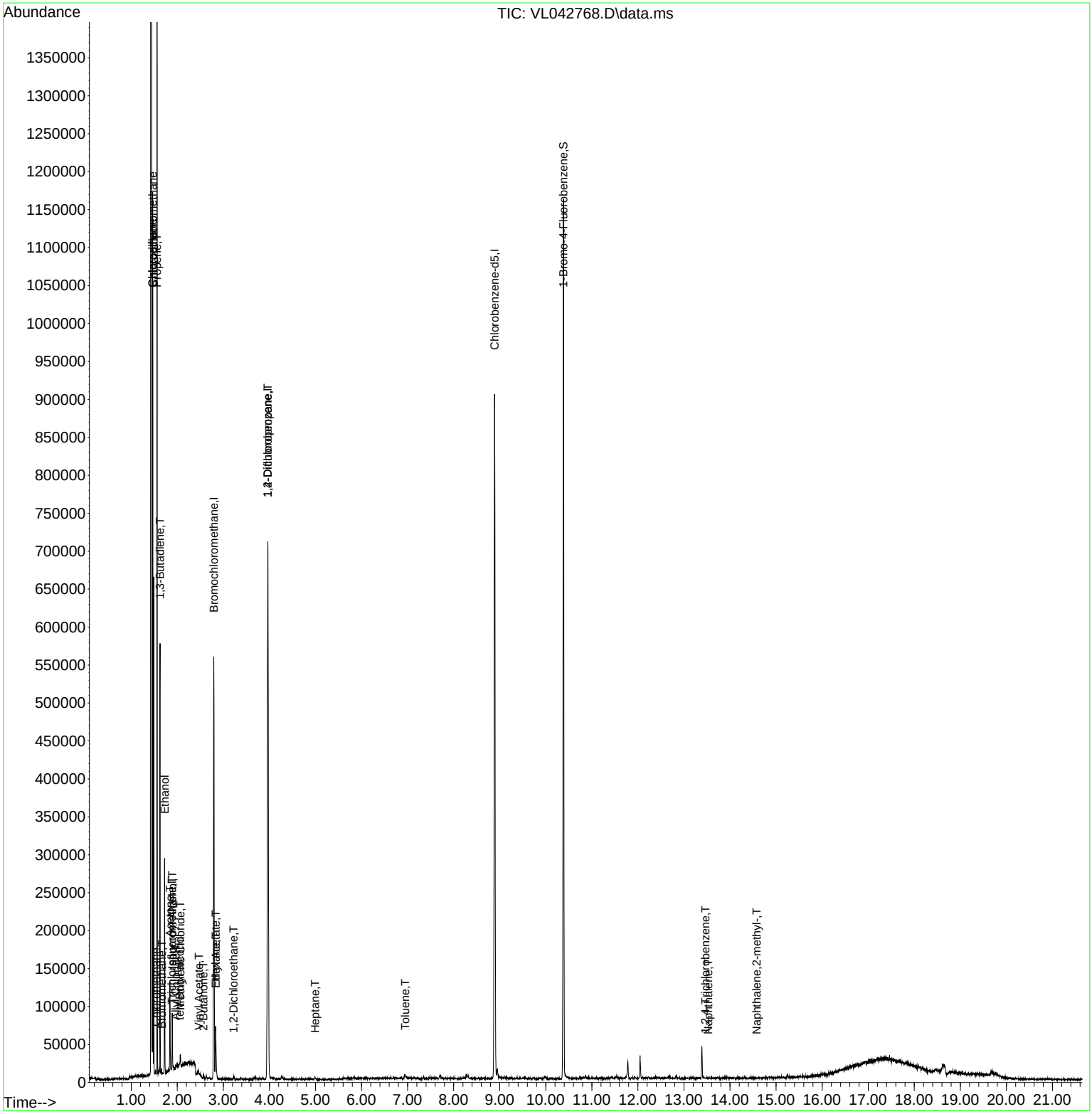
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.794	49	151863	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	412621	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	353060	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.384	95	275055	9.837	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	1.467	51	256562	9.809	ppbv	#	58
4) Chloromethane	1.535	50	733	0.090	ppbv		89
6) Bromomethane	1.664	94	65	0.021	ppbv	#	1
7) Chloroethane	1.467	64	12515	4.036	ppbv		98
9) Propene	1.561	41	181741	19.118	ppbv		100
10) Heptane	4.991	43	724	0.028	ppbv		87
11) Trichlorofluoromethane	1.884	101	452	0.022	ppbv		88
13) Ethanol	1.726	45	96968	138.940	ppbv		90
15) Acetone	1.839	43	50277	2.398	ppbv		97
16) 1,3-Butadiene	1.625	39	30741	3.437	ppbv	#	20
17) tert-Butyl alcohol	2.053	59	790	0.042	ppbv	#	72
19) Isopropyl Alcohol	1.891	45	27840	2.498	ppbv		93
20) Methylene Chloride	2.069	84	2128	0.322	ppbv	#	70
21) Allyl Chloride	1.965	41	1315	0.102	ppbv	#	18
23) Vinyl Acetate	2.473	43	599	0.024	ppbv	#	26
25) Ethyl Acetate	2.836	43	15169	0.327	ppbv	#	93
26) Hexane	2.833	57	13749	0.675	ppbv	#	52
34) 2-Butanone	2.567	43	2156	0.074	ppbv	#	75
37) 1,2-Dichloroethane	3.224	62	646	0.027	ppbv	#	81
39) 1,2-Dichloropropane	3.965	63	104484	7.238	ppbv	#	21
53) Toluene	6.950	91	1931	0.046	ppbv	#	21
79) Naphthalene	13.530	128	108	0.437	ppbv	#	69
80) Naphthalene,2-methyl-	14.578	142	36	1.130	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.468	180	28	0.436	ppbv	#	12

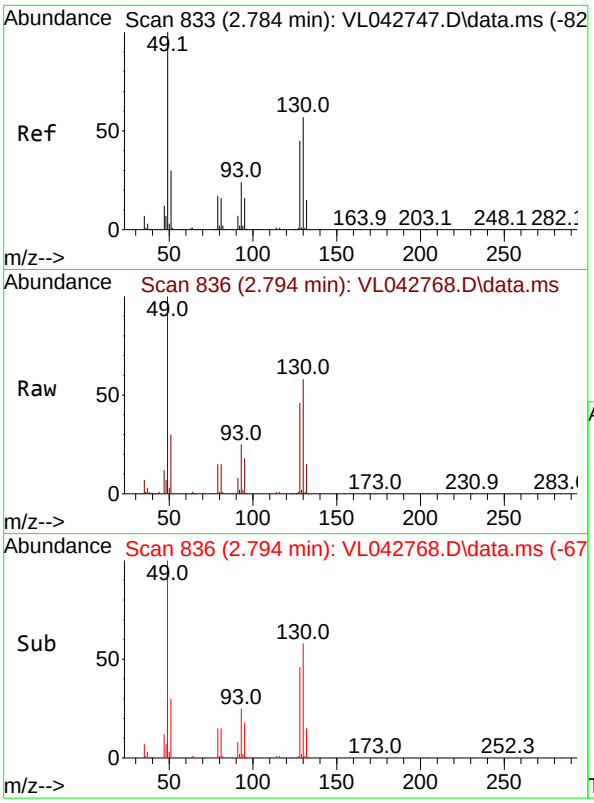
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042768.D
Acq On : 24 Jul 2025 16:53
Operator : SY/MD
Sample : Q2671-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Quant Time: Jul 25 01:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



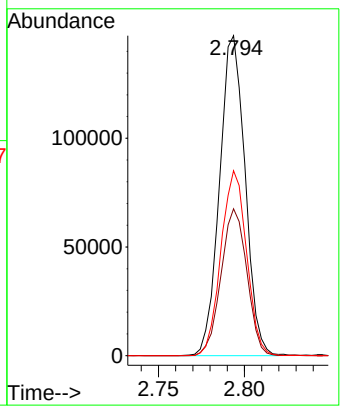


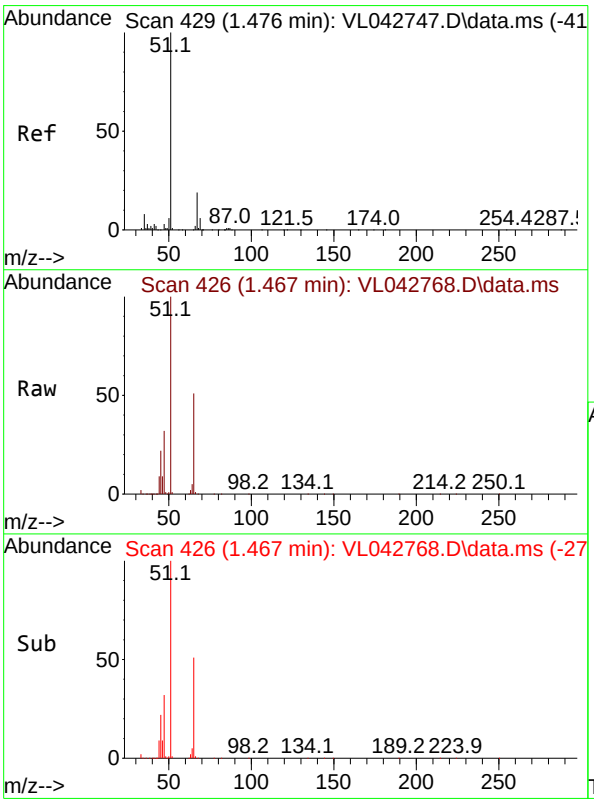
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 49 Resp: 151863

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.6	71.0
130	57.9	30.3	90.8

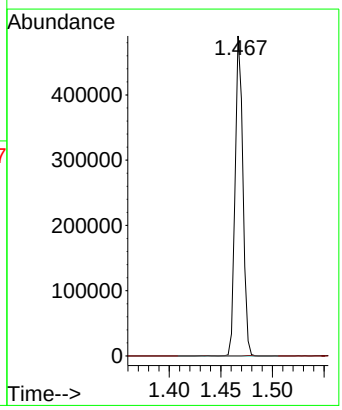


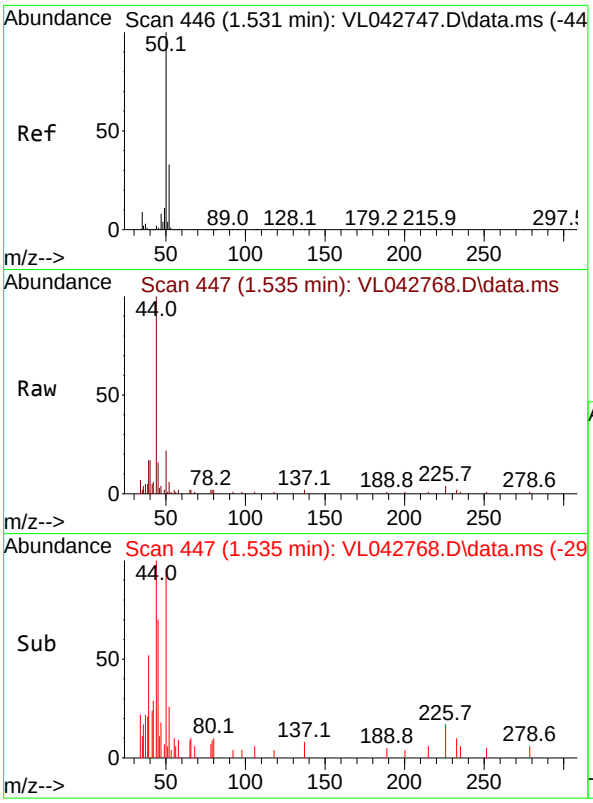


#3
Chlorodifluoromethane
Concen: 9.809 ppbv
RT: 1.467 min Scan# 426
Delta R.T. -0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 51 Resp: 256562

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.0	22.6#



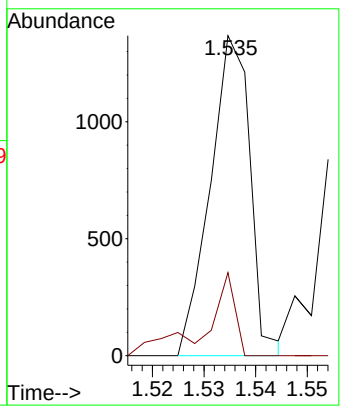


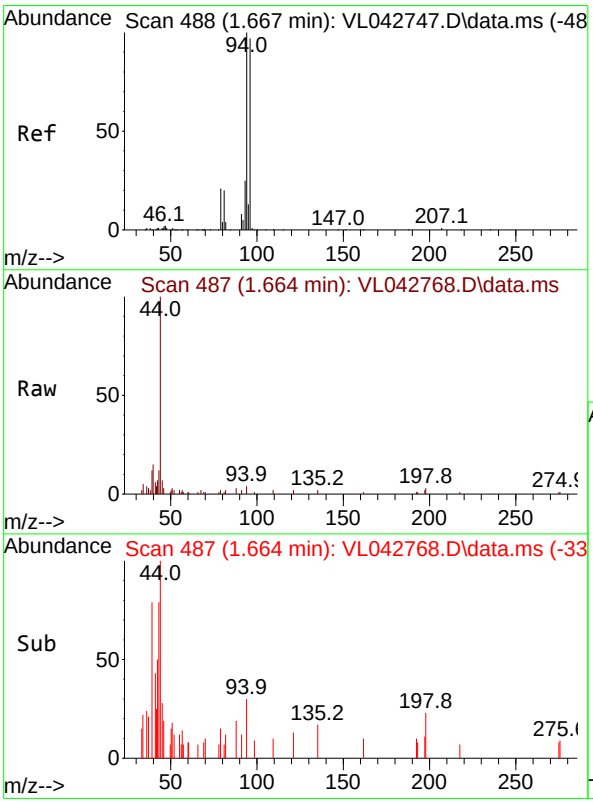
#4
Chloromethane
Concen: 0.090 ppbv
RT: 1.535 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 50 Resp: 733

Ion	Ratio	Lower	Upper
50	100		
52	27.2	26.6	40.0

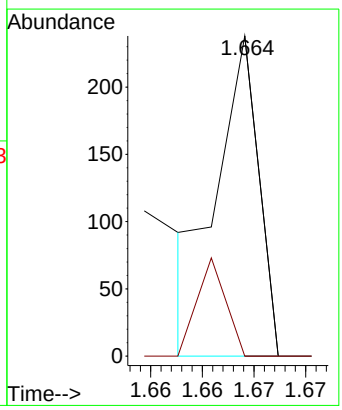


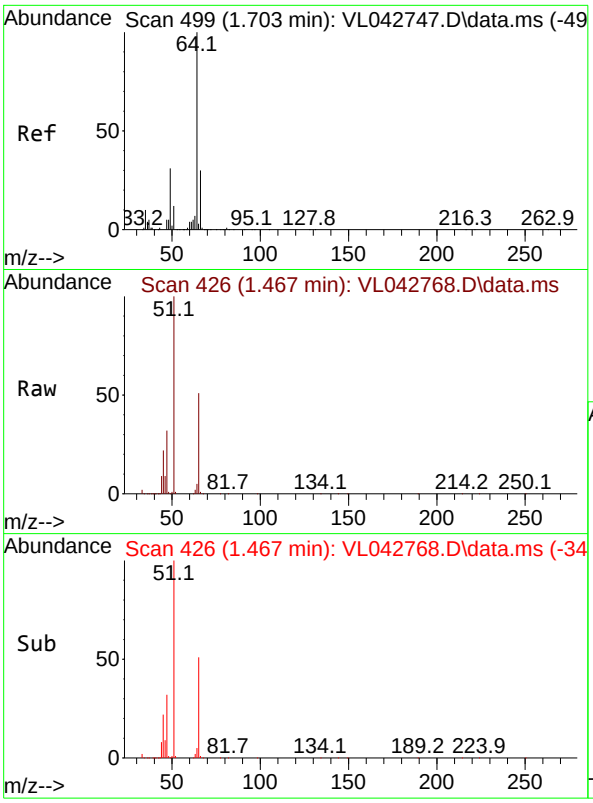


#6
Bromomethane
Concen: 0.021 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 94 Resp: 65

Ion	Ratio	Lower	Upper
94	100		
96	0.0	77.6	116.4#



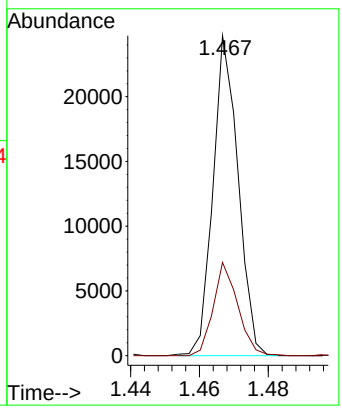


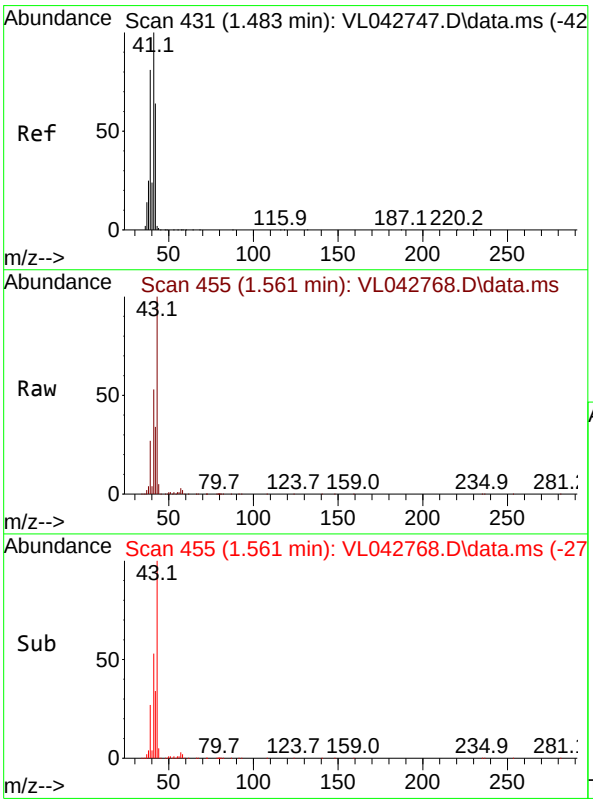
#7
Chloroethane
Concen: 4.036 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.236 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 64 Resp: 12515

Ion	Ratio	Lower	Upper
64	100		
66	29.1	24.1	36.1

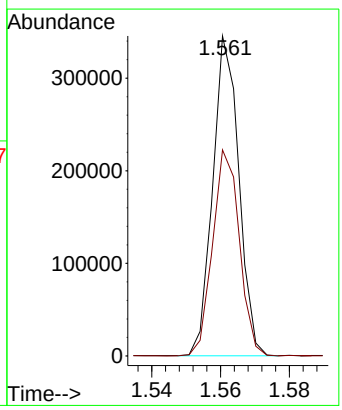


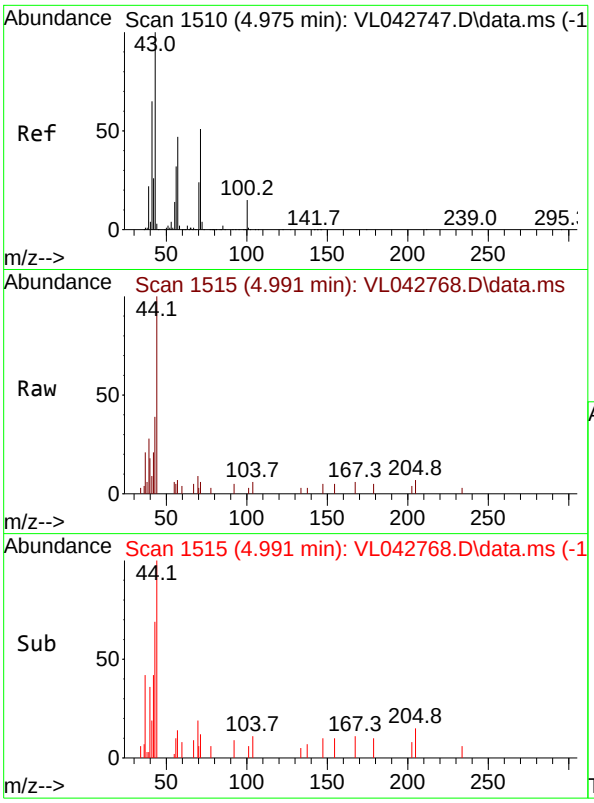


#9
Propene
Concen: 19.118 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 41 Resp: 181741

Ion	Ratio	Lower	Upper
41	100		
42	66.4	53.2	79.8



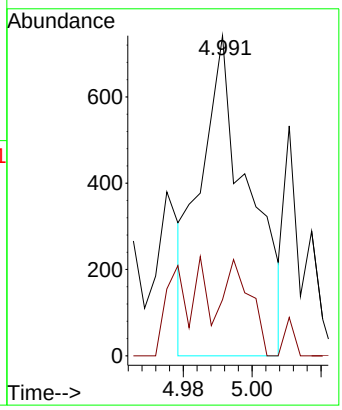


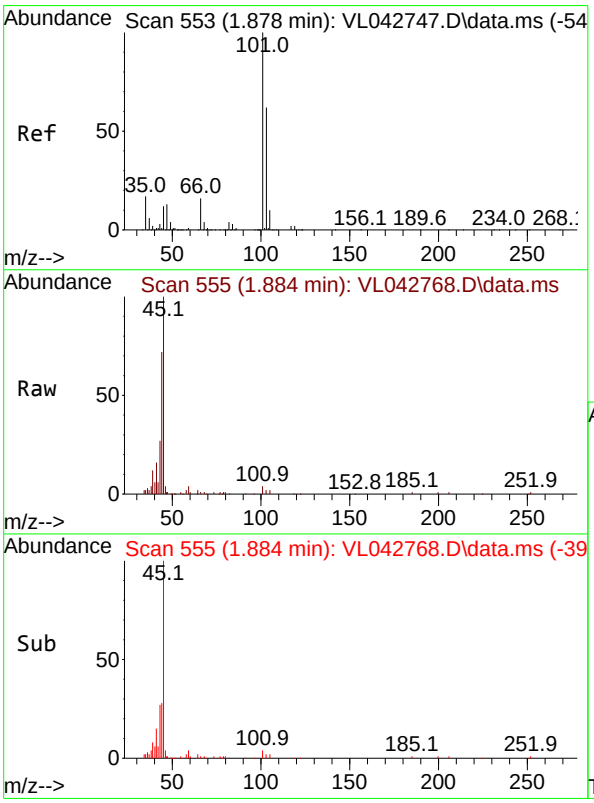
#10
Heptane
Concen: 0.028 ppbv
RT: 4.991 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 43 Resp: 724

Ion	Ratio	Lower	Upper
43	100		
57	40.7	39.9	59.9

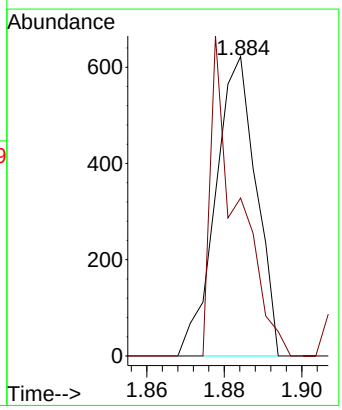


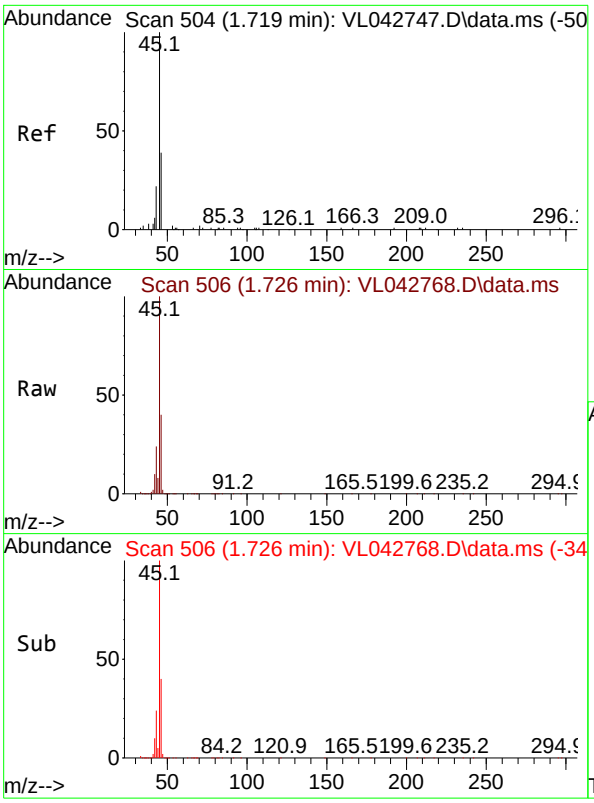


#11
Trichlorofluoromethane
Concen: 0.022 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion:101 Resp: 452

Ion	Ratio	Lower	Upper
101	100		
103	52.7	49.6	74.4



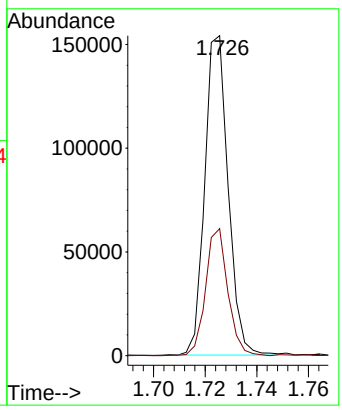


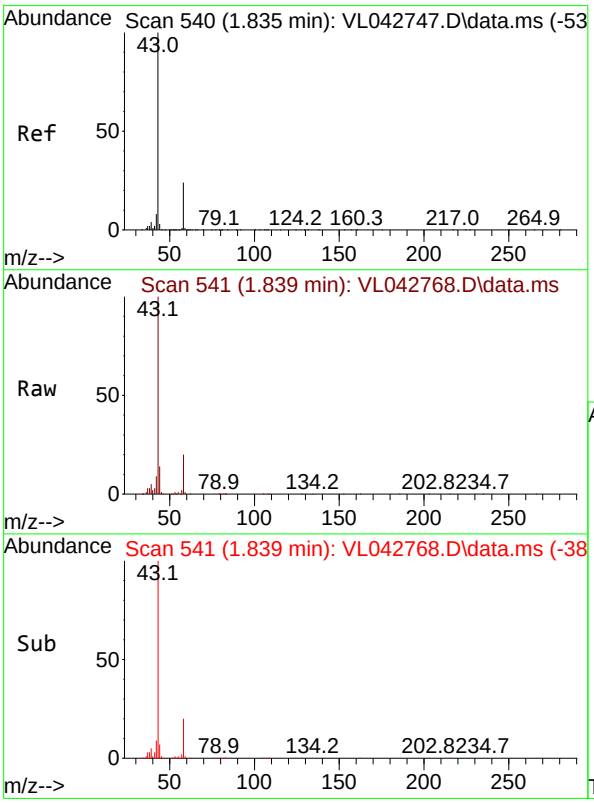
#13
Ethanol
Concen: 138.940 ppbv
RT: 1.726 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 45 Resp: 96968

Ion	Ratio	Lower	Upper
45	100		
46	38.4	17.8	71.4

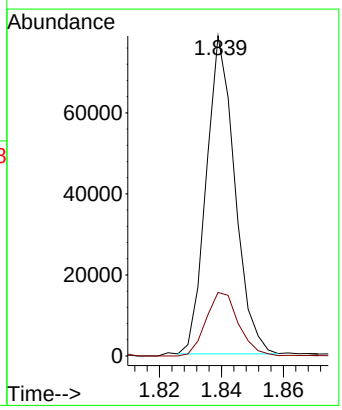


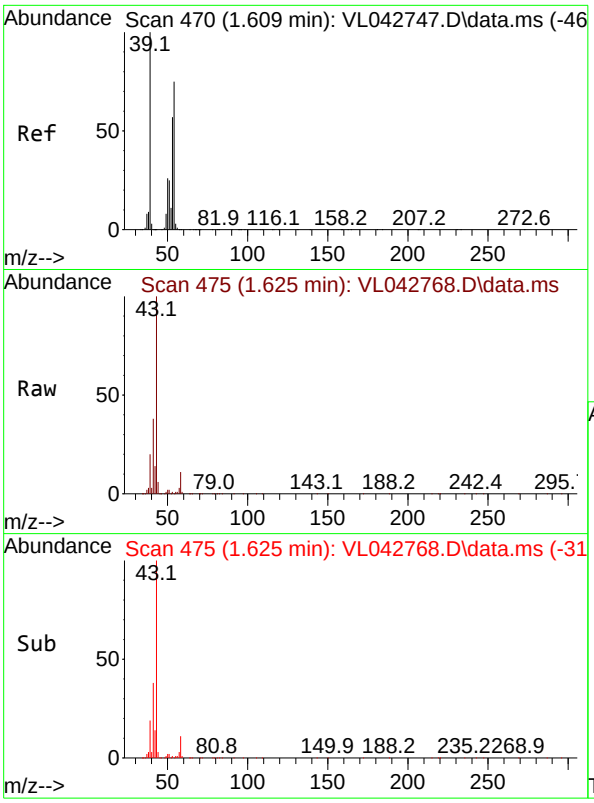


#15
Acetone
Concen: 2.398 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 43 Resp: 50277

Ion	Ratio	Lower	Upper
43	100		
58	23.1	19.8	29.8



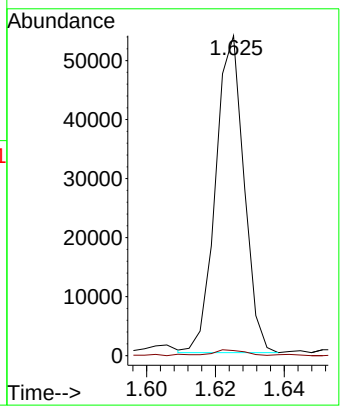


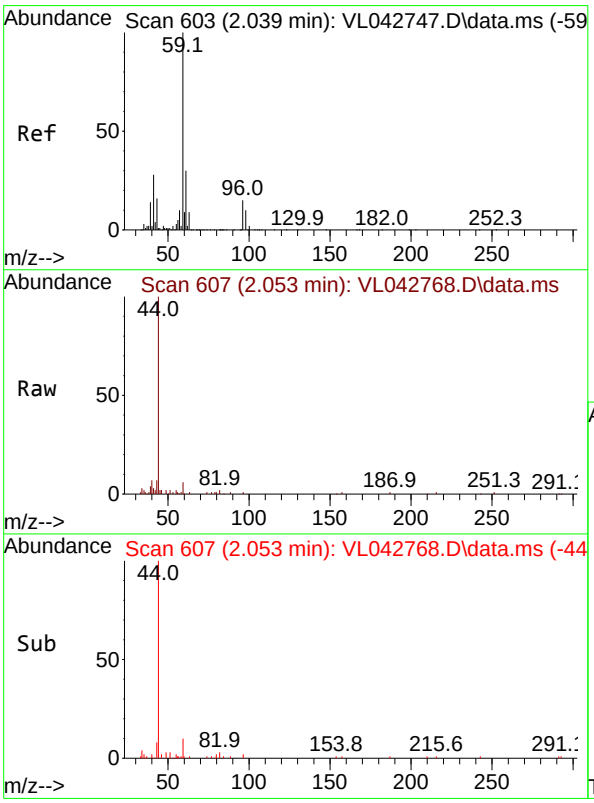
#16
1,3-Butadiene
Concen: 3.437 ppbv
RT: 1.625 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 39 Resp: 30741

Ion	Ratio	Lower	Upper
39	100		
54	3.3	54.5	81.7#

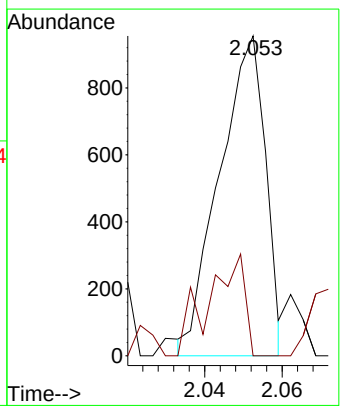


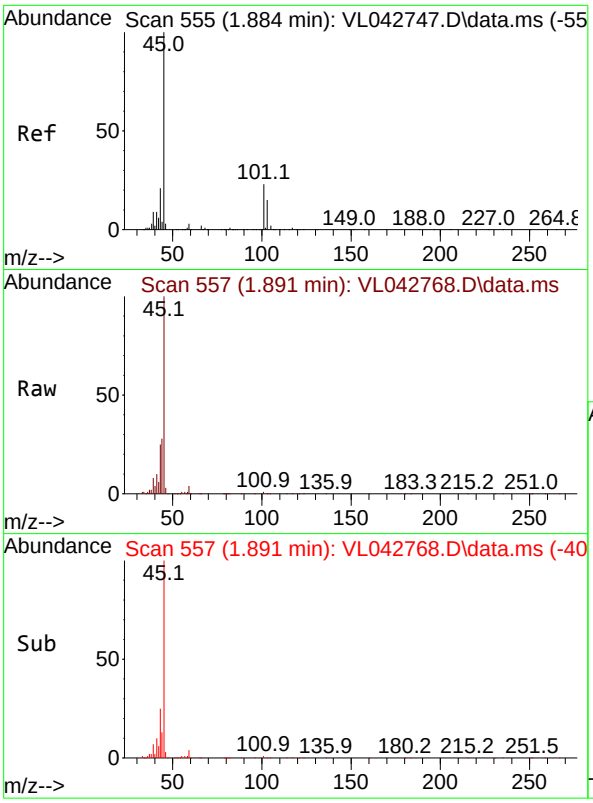


#17
tert-Butyl alcohol
Concen: 0.042 ppbv
RT: 2.053 min Scan# 607
Delta R.T. 0.013 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 59 Resp: 790

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



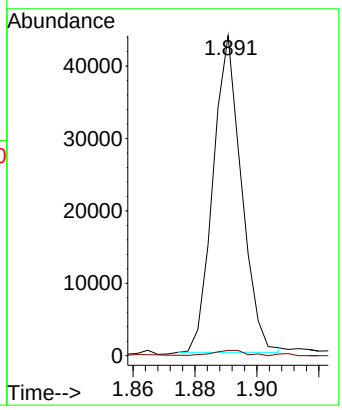


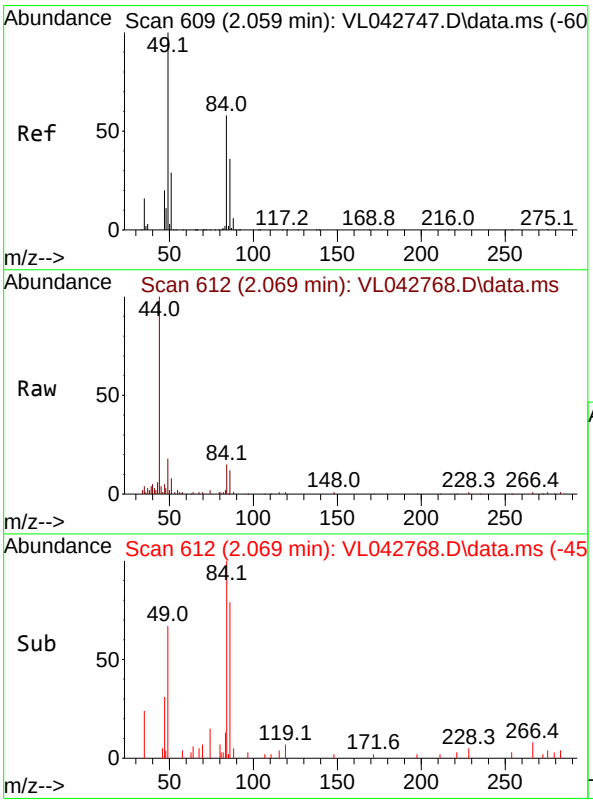
#19
Isopropyl Alcohol
Concen: 2.498 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 45 Resp: 27840

Ion	Ratio	Lower	Upper
45	100		
58	41.7	30.0	45.0

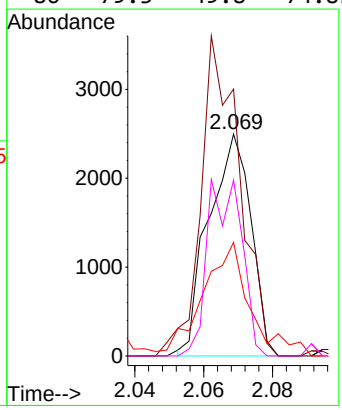


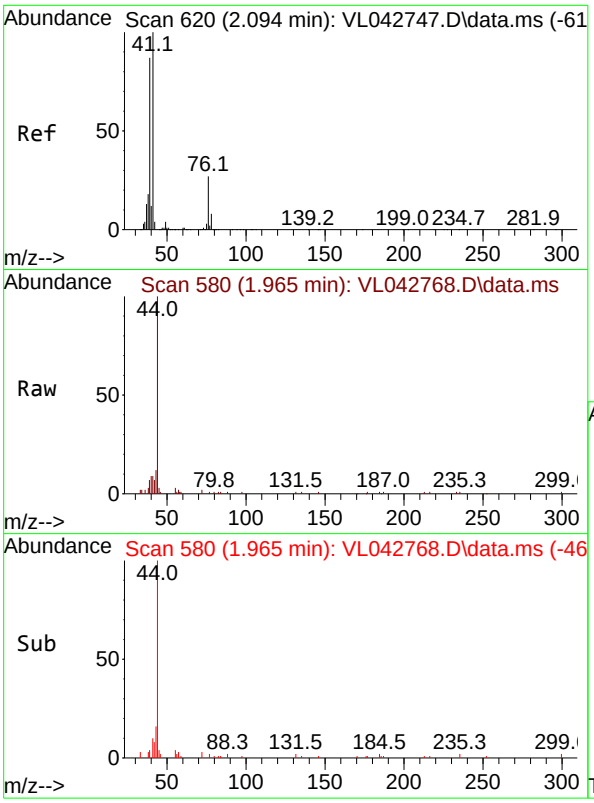


#20
Methylene Chloride
Concen: 0.322 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 84 Resp: 2128

Ion	Ratio	Lower	Upper
84	100		
49	120.3	138.6	208.0#
51	41.1	40.6	61.0
86	79.3	49.8	74.8#



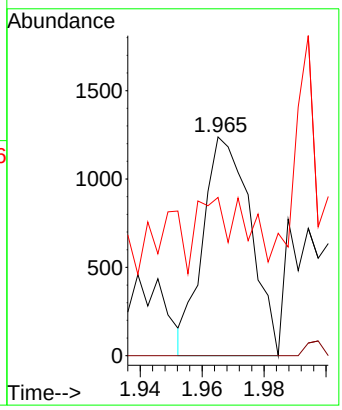


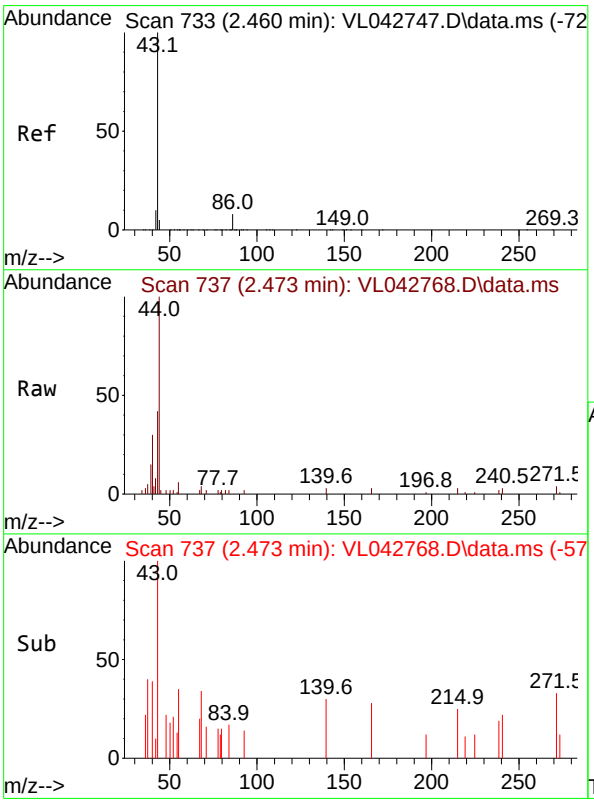
#21
Allyl Chloride
Concen: 0.102 ppbv
RT: 1.965 min Scan# 5
Delta R.T. -0.129 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 41 Resp: 1315

Ion	Ratio	Lower	Upper
41	100		
76	2.3	21.1	31.7#
39	0.0	68.3	102.5#

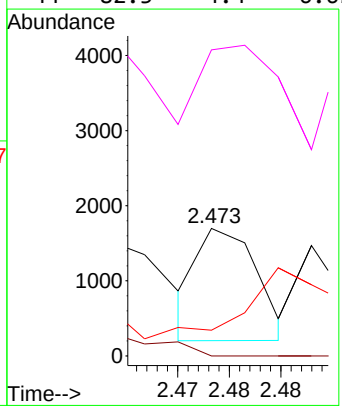


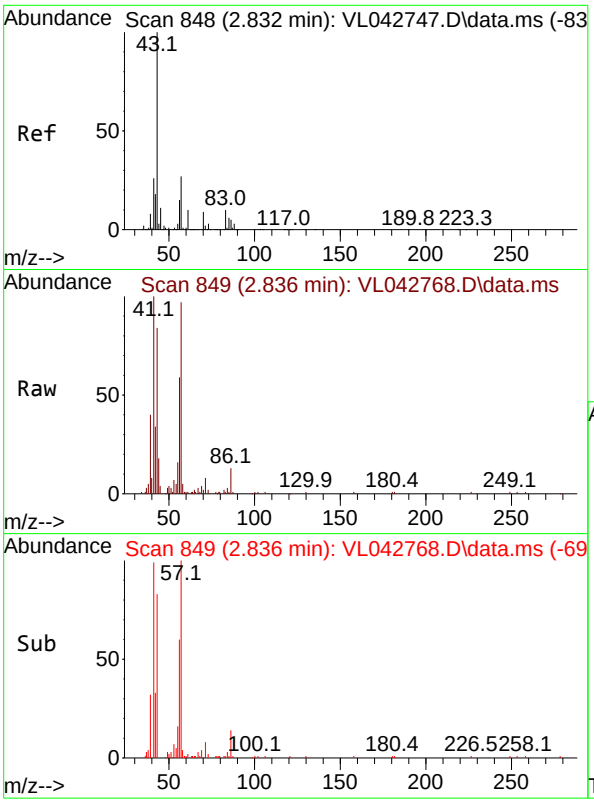


#23
Vinyl Acetate
Concen: 0.024 ppbv
RT: 2.473 min Scan# 737
Delta R.T. 0.013 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 43 Resp: 599

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.1	9.1#
42	0.0	7.8	11.8#
44	82.3	4.4	6.6#



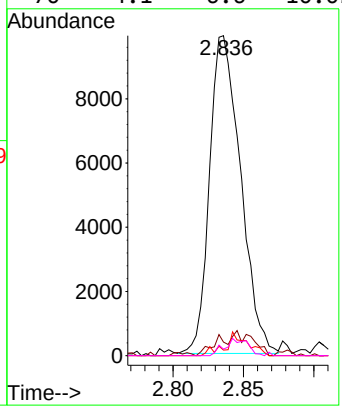


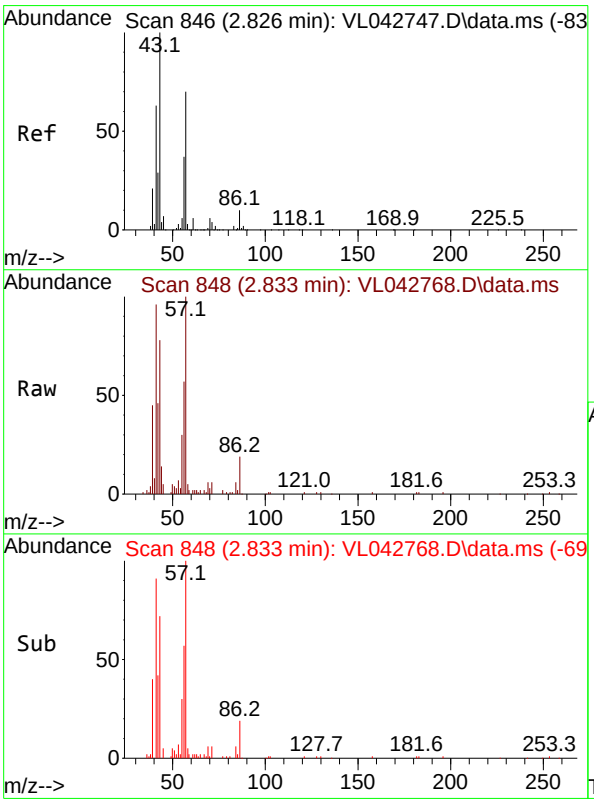
#25
Ethyl Acetate
Concen: 0.327 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 43 Resp: 15169

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.6
61	5.3	6.7	10.1#
70	4.1	6.6	10.0#

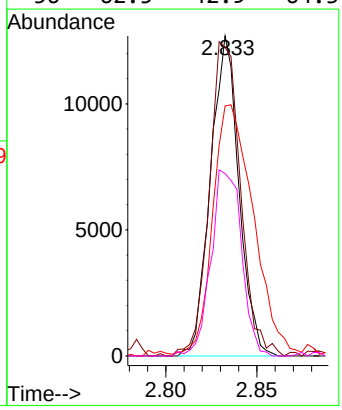


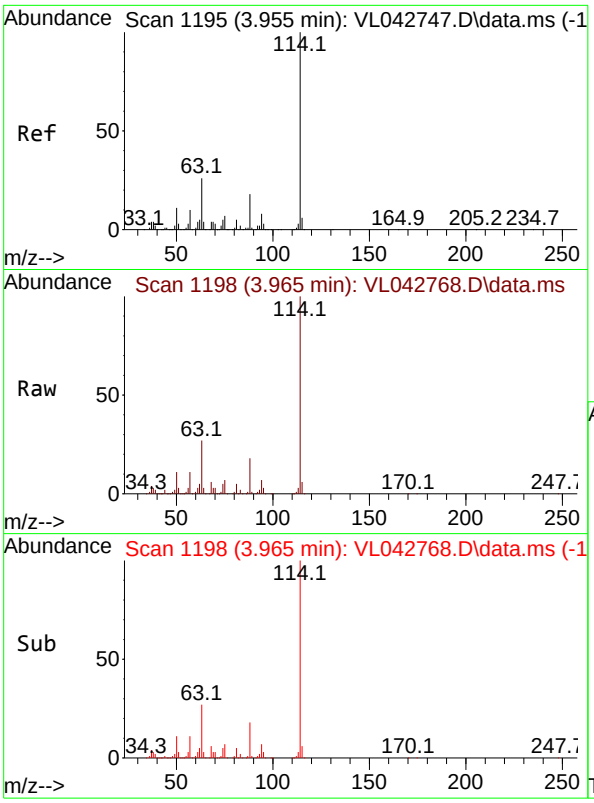


#26
Hexane
Concen: 0.675 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 57 Resp: 13749

Ion	Ratio	Lower	Upper
57	100		
41	109.3	75.4	113.2
43	115.8	185.0	277.6#
56	62.5	42.9	64.3



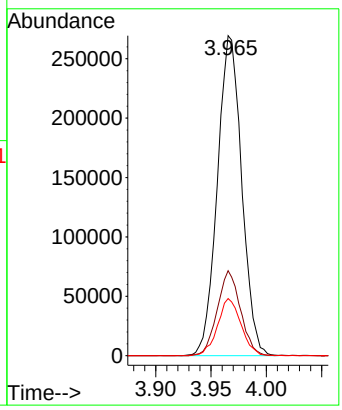


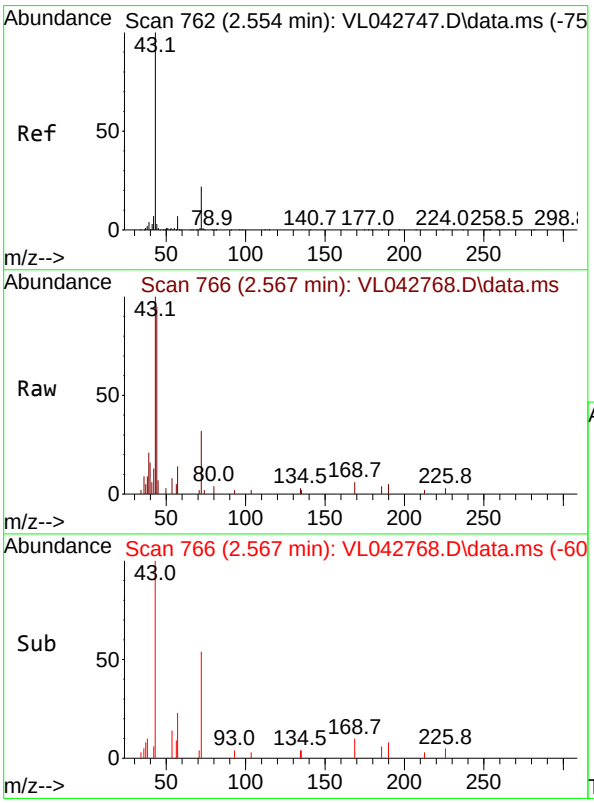
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion:114 Resp: 412621

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.5	30.7
88	17.2	14.0	21.0

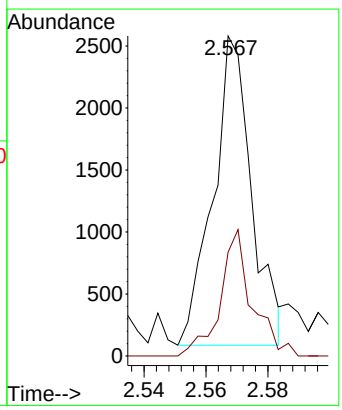


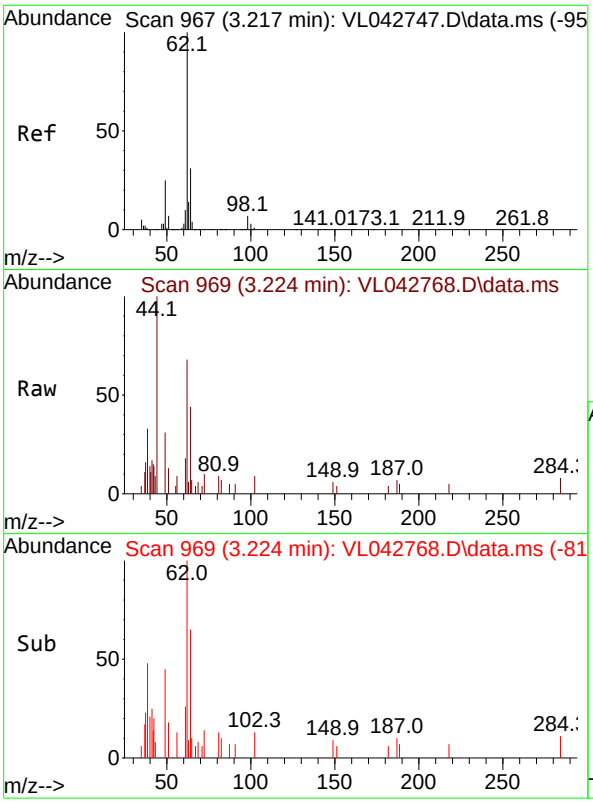


#34
2-Butanone
Concen: 0.074 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 43 Resp: 2156

Ion	Ratio	Lower	Upper
43	100		
72	33.7	17.4	26.0#



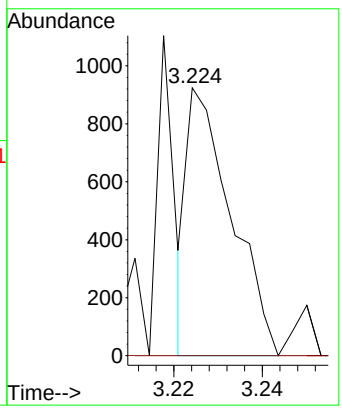


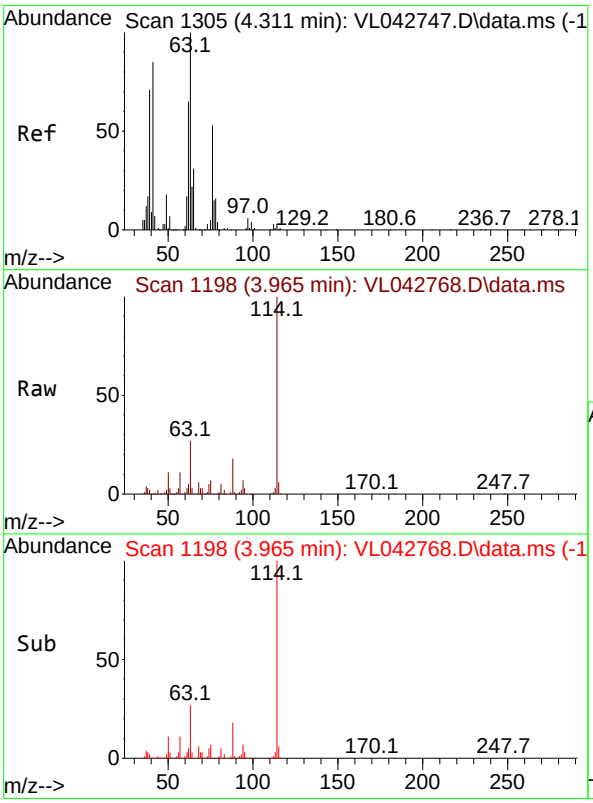
#37
1,2-Dichloroethane
Concen: 0.027 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 62 Resp: 646

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#

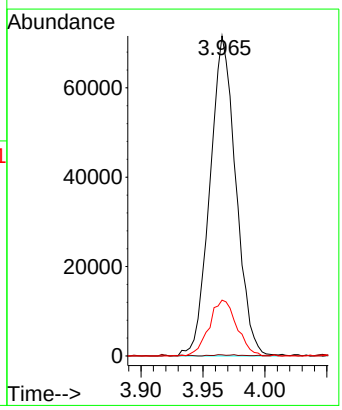


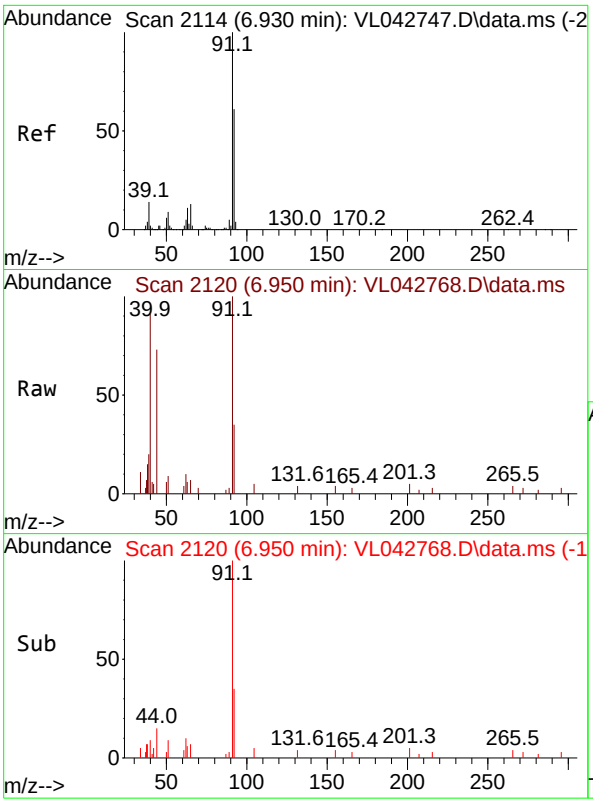


#39
1,2-Dichloropropane
Concen: 7.238 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.346 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion: 63 Resp: 104484

Ion	Ratio	Lower	Upper
63	100		
41	0.2	68.2	102.4#
62	17.5	52.0	78.0#



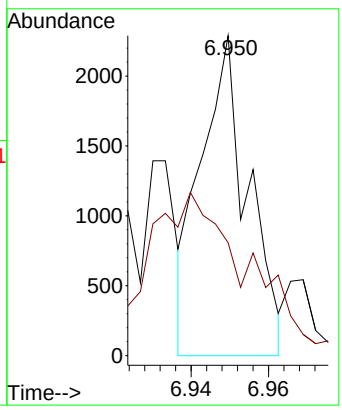


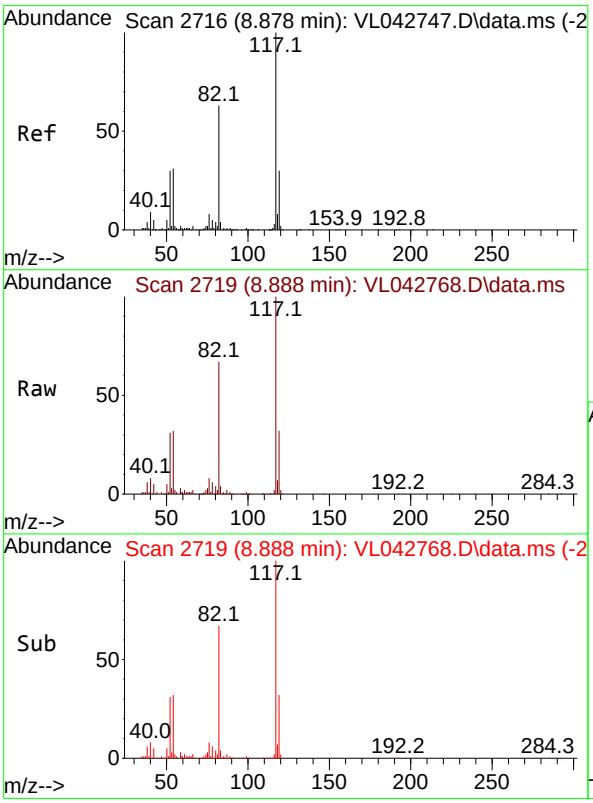
#53
Toluene
Concen: 0.046 ppbv
RT: 6.950 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 91 Resp: 1931

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.0	72.0#

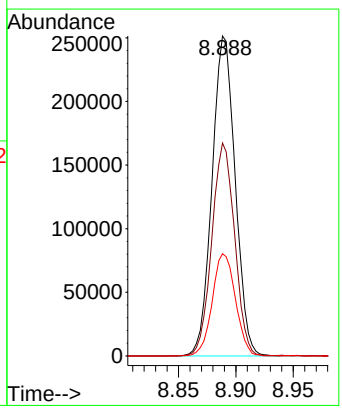


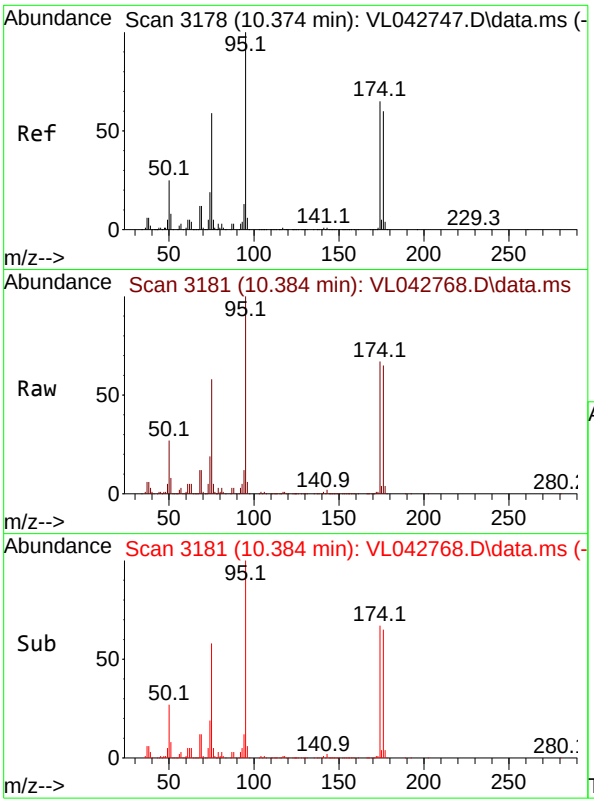


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion:117 Resp: 353060

Ion	Ratio	Lower	Upper
117	100		
82	65.7	53.3	79.9
119	32.0	25.8	38.6



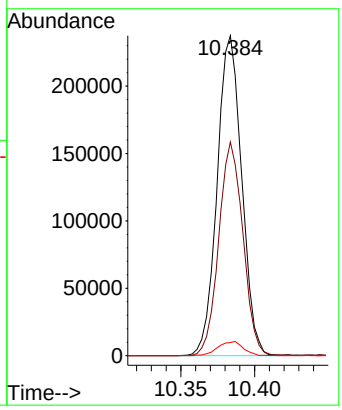


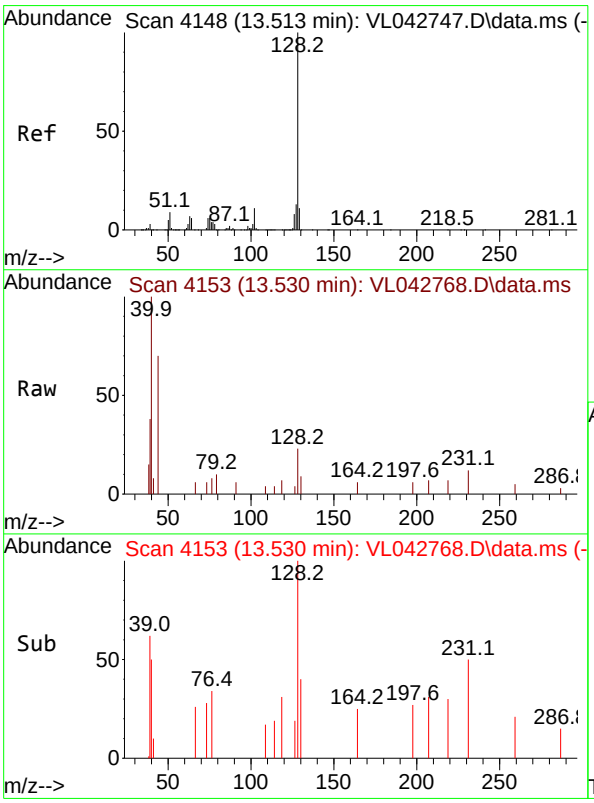
#68
1-Bromo-4-Fluorobenzene
Concen: 9.837 ppbv
RT: 10.384 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion: 95 Resp: 275055

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.8	80.6
175	4.6	4.0	6.0

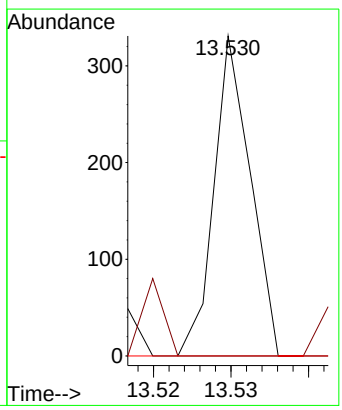


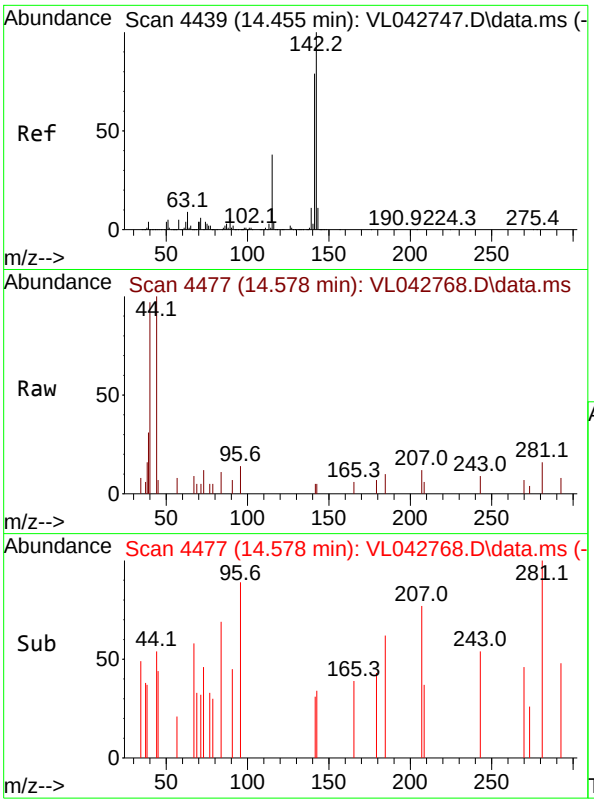


#79
Naphthalene
Concen: 0.437 ppbv
RT: 13.530 min Scan# 4153
Delta R.T. 0.016 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion:128 Resp: 108

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#



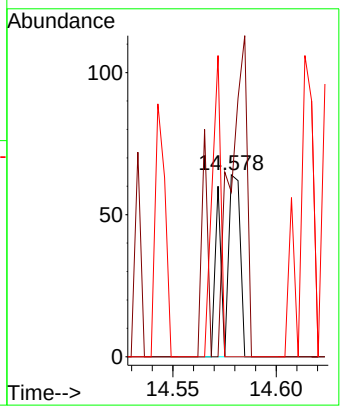


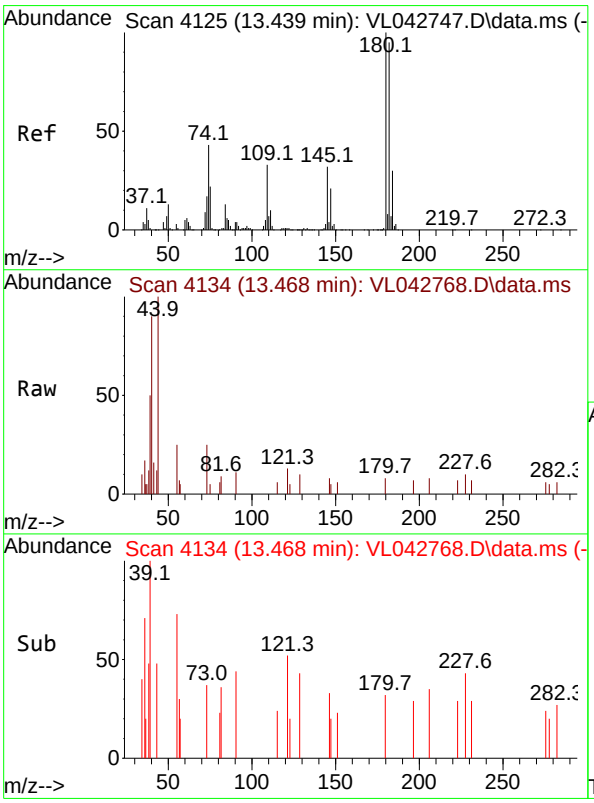
#80
Naphthalene,2-methyl-
Concen: 1.130 ppbv
RT: 14.578 min Scan# 44
Delta R.T. 0.123 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
118-IA-1DL

Tgt Ion:142 Resp: 36

Ion	Ratio	Lower	Upper
142	100		
141	219.4	65.8	98.8#
115	86.1	31.2	46.8#

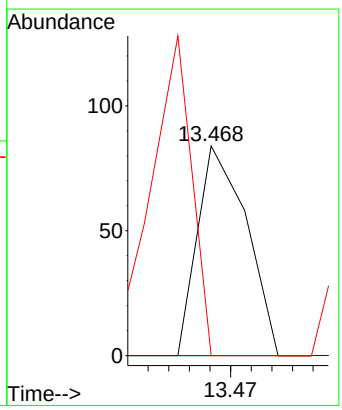




#81
1,2,4-Trichlorobenzene
Concen: 0.436 ppbv
RT: 13.468 min Scan# 4134
Delta R.T. 0.029 min
Lab File: VL042768.D
Acq: 24 Jul 2025 16:53

Tgt Ion:180 Resp: 28

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	0.0	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042769.D
Acq On : 24 Jul 2025 17:29
Operator : SY/MD
Sample : Q2671-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Quant Time: Jul 25 01:29:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	152144	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	410938	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	378371	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	304041	10.147	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	8186	0.407	ppbv		95
3) Chlorodifluoromethane	1.466	51	2281173	87.053	ppbv	#	58
4) Chloromethane	1.531	50	6378	0.784	ppbv		91
6) Bromomethane	1.674	94	177	0.057	ppbv	#	55
7) Chloroethane	1.466	64	216133	69.570	ppbv		98
9) Propene	1.560	41	1629308	171.077	ppbv		86
10) Heptane	4.985	43	18223	0.710	ppbv		86
11) Trichlorofluoromethane	1.877	101	4820	0.232	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.140	101	1098	0.070	ppbv		90
13) Ethanol	1.725	45	2117174	3051.926	ppbv		90
15) Acetone	1.835	43	944712	44.968	ppbv		99
16) 1,3-Butadiene	1.622	39	677026	75.552	ppbv	#	18
17) tert-Butyl alcohol	2.046	59	16321	0.861	ppbv	#	72
19) Isopropyl Alcohol	1.887	45	458535	41.072	ppbv	#	76
20) Methylene Chloride	2.062	84	3981	0.601	ppbv		93
21) Allyl Chloride	1.887	41	44013	3.399	ppbv	#	76
23) Vinyl Acetate	2.457	43	26780	1.051	ppbv	#	87
25) Ethyl Acetate	2.832	43	238601	5.131	ppbv	#	95
26) Hexane	2.829	57	130342	6.389	ppbv	#	82
27) Carbon Disulfide	2.156	76	1118	0.064	ppbv	#	1
29) Chloroform	2.848	83	20783	0.659	ppbv		99
30) Cyclohexane	3.858	84	460	0.027	ppbv	#	1
32) 1,1,1-Trichloroethane	3.370	97	8467	0.258	ppbv	#	89
34) 2-Butanone	2.557	43	32227	1.107	ppbv		97
36) Benzene	3.661	78	4478	0.115	ppbv		96
37) 1,2-Dichloroethane	3.221	62	25795	1.099	ppbv		97
39) 1,2-Dichloropropane	3.959	63	106942	7.439	ppbv	#	23
41) Tetrahydrofuran	3.065	42	3445	0.233	ppbv	#	65
42) Bromodichloromethane	4.483	83	703	0.023	ppbv	#	44
43) Methyl Methacrylate	4.875	69	785	0.057	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.635	57	2596	0.041	ppbv	#	17
52) Tetrachloroethene	8.228	164	7237	0.448	ppbv		93
53) Toluene	6.936	91	66216	1.583	ppbv		99
58) Ethyl Benzene	9.354	91	12289	0.206	ppbv		94
59) m/p-Xylene	9.552	91	5853	0.123	ppbv	#	30
60) o-Xylene	9.966	91	10717	0.225	ppbv		97
61) Styrene	9.869	104	11559	0.576	ppbv		93
65) tert-Butylbenzene	11.536	119	1834	0.029	ppbv	#	1
66) Benzyl Chloride	11.552	91	735	0.143	ppbv	#	69
69) p-Isopropyltoluene	11.927	119	6833	0.094	ppbv	#	75
72) 4-Ethyltoluene	11.124	105	2875	0.050	ppbv	#	84
73) 1,3,5-Trimethylbenzene	11.202	105	3411	0.073	ppbv	#	82
74) 1,2,4-Trimethylbenzene	11.539	105	11842	0.231	ppbv	#	69

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042769.D
Acq On : 24 Jul 2025 17:29
Operator : SY/MD
Sample : Q2671-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Quant Time: Jul 25 01:29:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

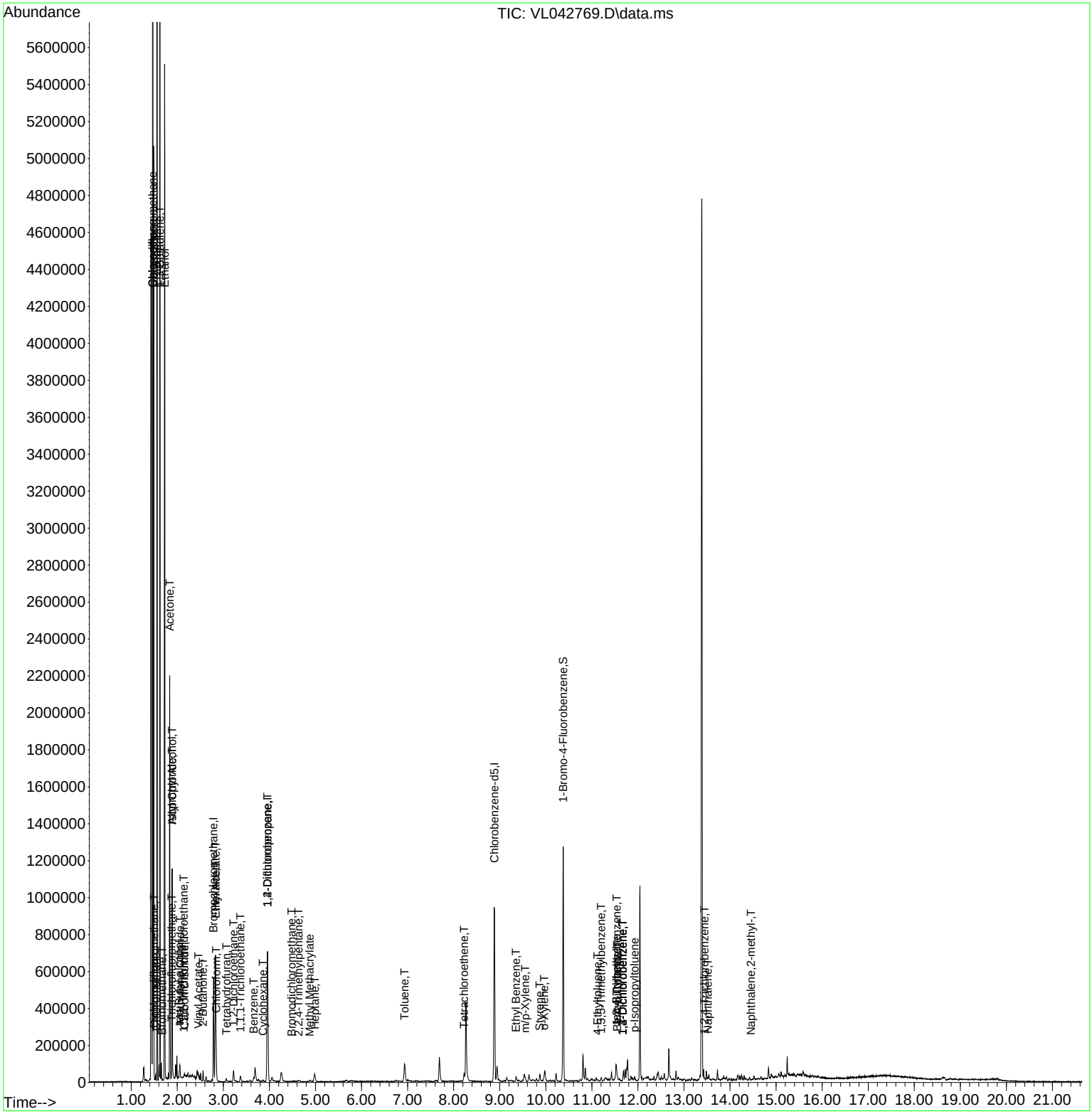
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	1,3-Dichlorobenzene	11.668	146	1171	0.033	ppbv		87
76)	1,4-Dichlorobenzene	11.668	146	1171	0.033	ppbv		86
77)	1,2-Dichlorobenzene	11.668	146	1171	0.033	ppbv		87
79)	Naphthalene	13.516	128	5307	0.526	ppbv	#	83
80)	Naphthalene,2-methyl-	14.455	142	517	1.145	ppbv	#	84
81)	1,2,4-Trichlorobenzene	13.445	180	250	0.443	ppbv	#	77

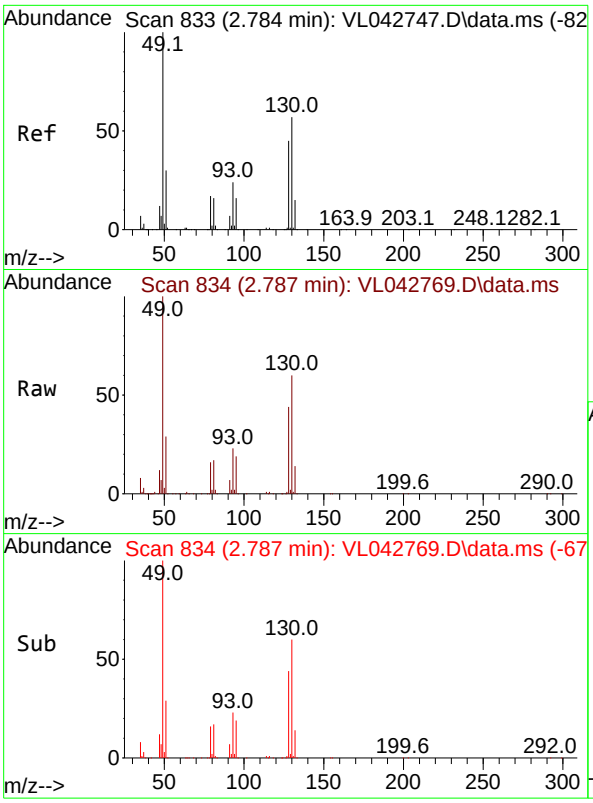
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042769.D
Acq On : 24 Jul 2025 17:29
Operator : SY/MD
Sample : Q2671-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Quant Time: Jul 25 01:29:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



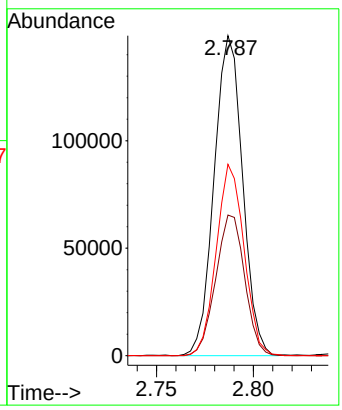


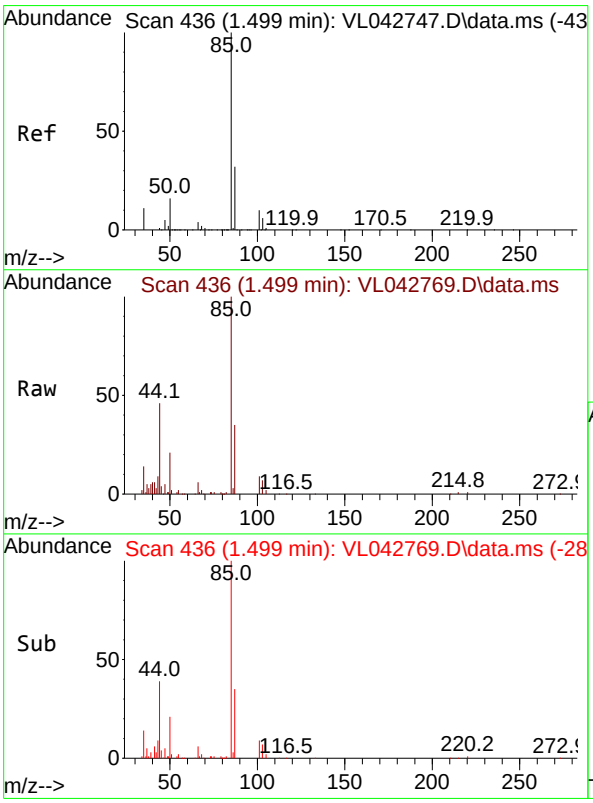
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 49 Resp: 152144

Ion	Ratio	Lower	Upper
49	100		
128	44.7	23.6	71.0
130	58.3	30.3	90.8

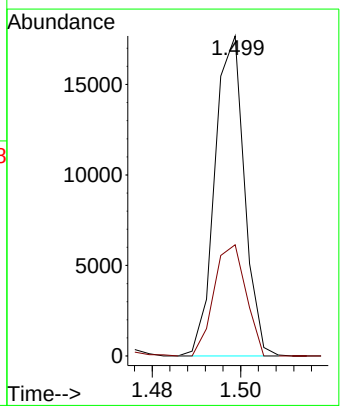


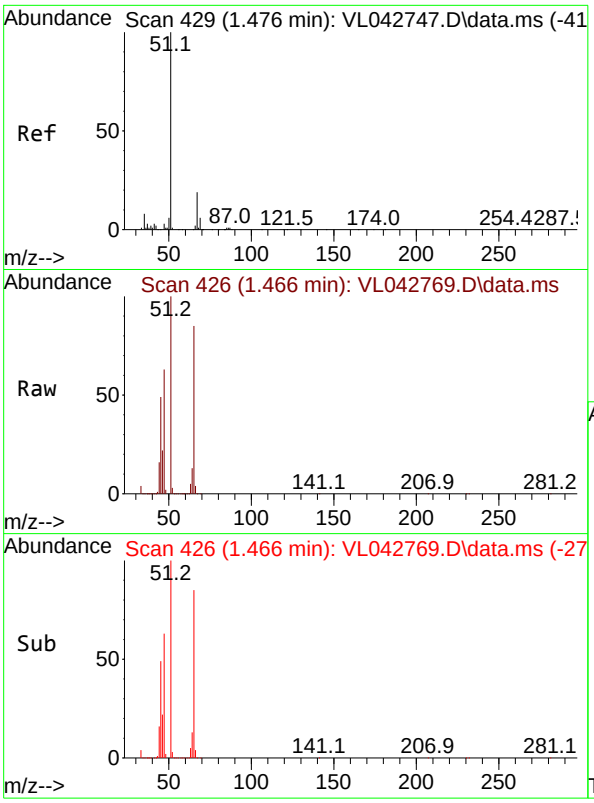


#2
Dichlorodifluoromethane
Concen: 0.407 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 85 Resp: 8186

Ion	Ratio	Lower	Upper
85	100		
87	34.8	25.4	38.2



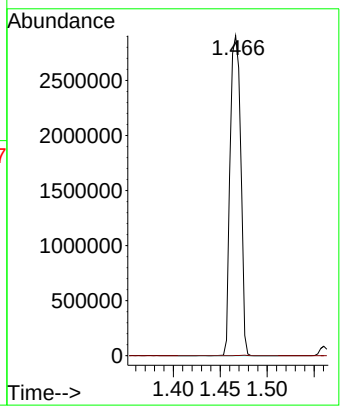


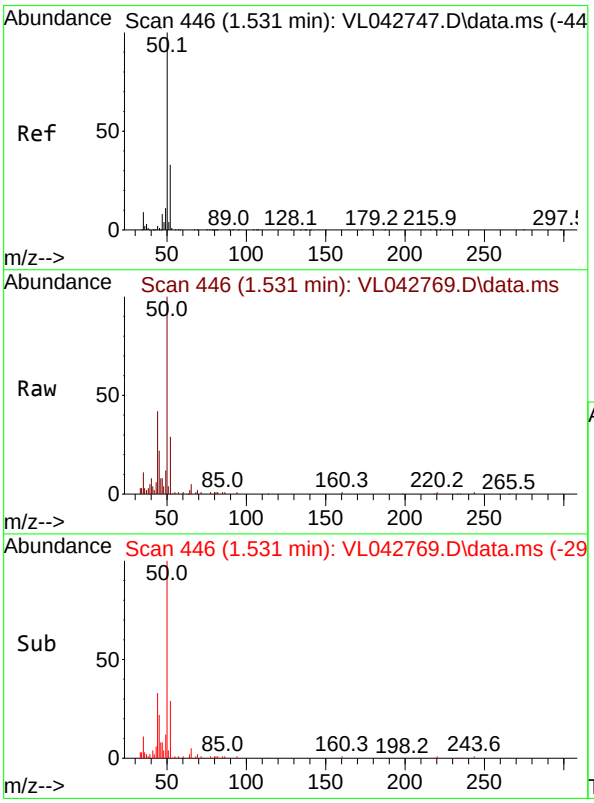
#3
Chlorodifluoromethane
Concen: 87.053 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 51 Resp: 2281173

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.0	22.6#

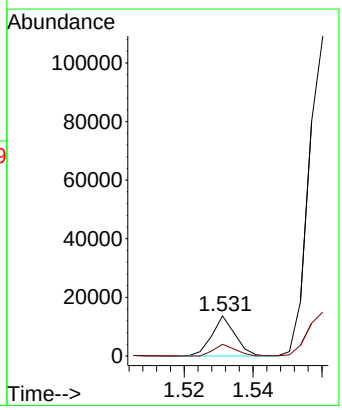


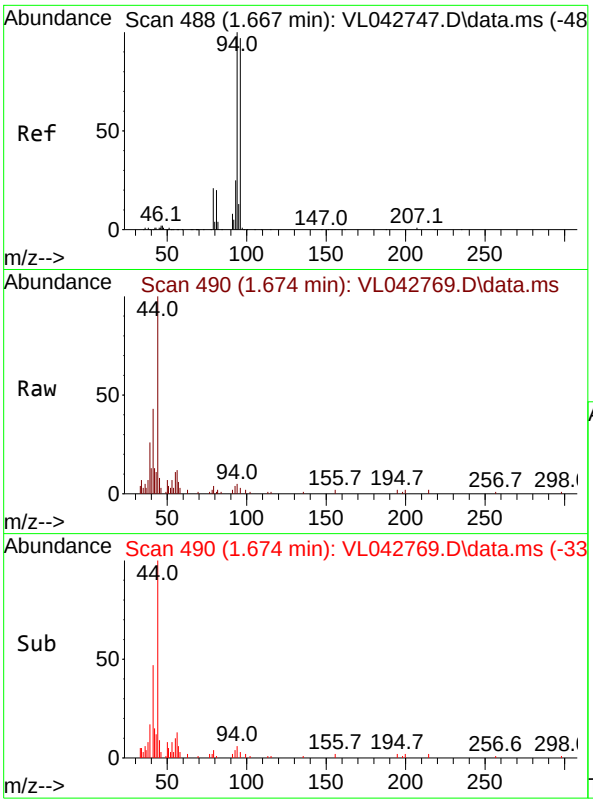


#4
Chloromethane
Concen: 0.784 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 50 Resp: 6378

Ion	Ratio	Lower	Upper
50	100		
52	28.1	26.6	40.0



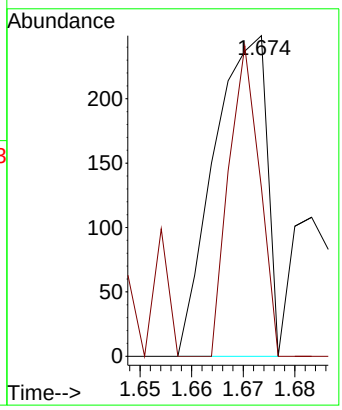


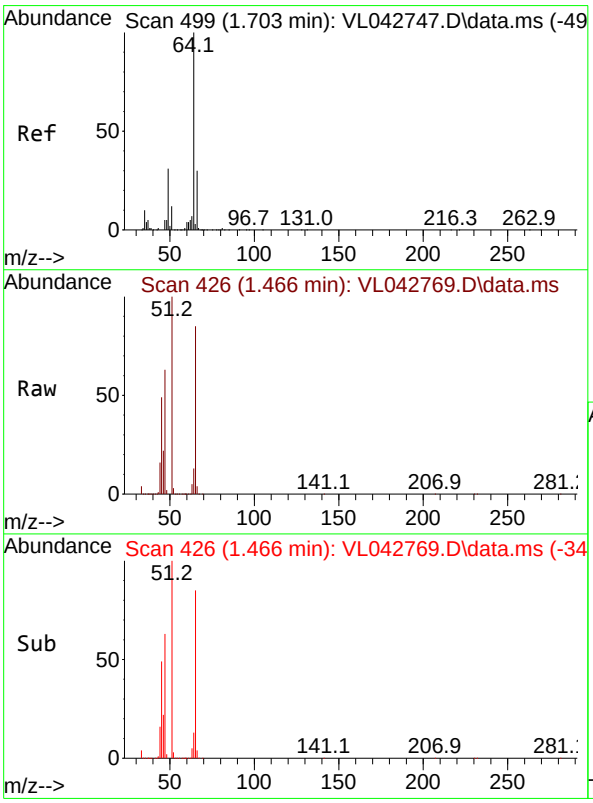
#6
Bromomethane
Concen: 0.057 ppbv
RT: 1.674 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 94 Resp: 177

Ion	Ratio	Lower	Upper
94	100		
96	52.6	77.6	116.4#

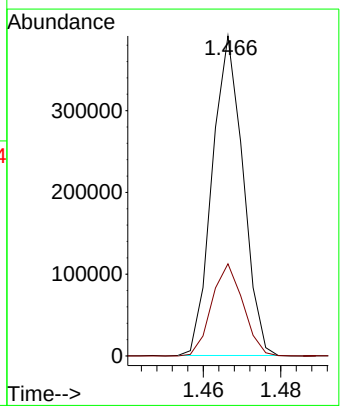


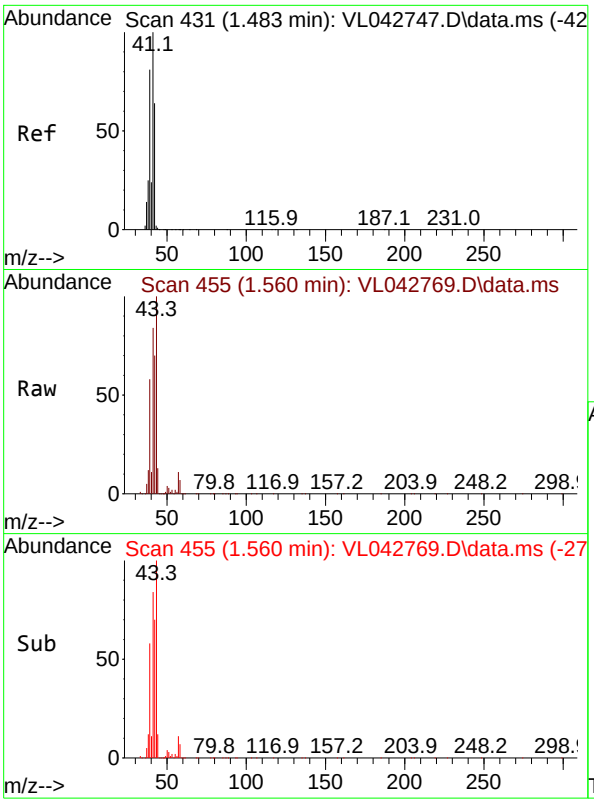


#7
Chloroethane
Concen: 69.570 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 64 Resp: 216133

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.1	36.1



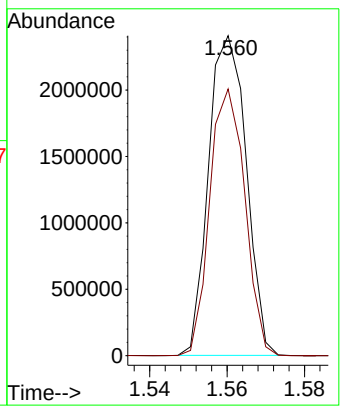


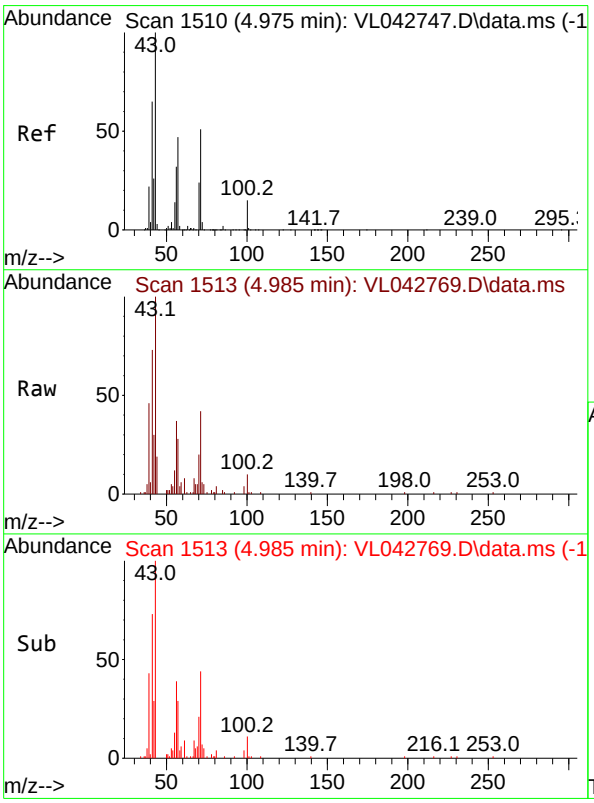
#9
Propene
Concen: 171.077 ppbv
RT: 1.560 min Scan# 4
Delta R.T. 0.078 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 41 Resp: 1629308

Ion	Ratio	Lower	Upper
41	100		
42	77.7	53.2	79.8

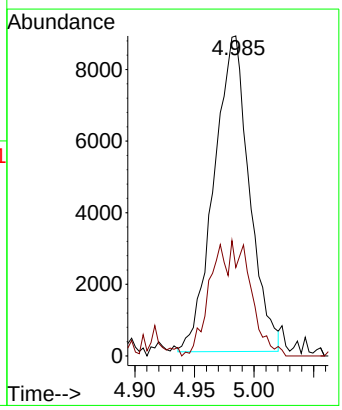


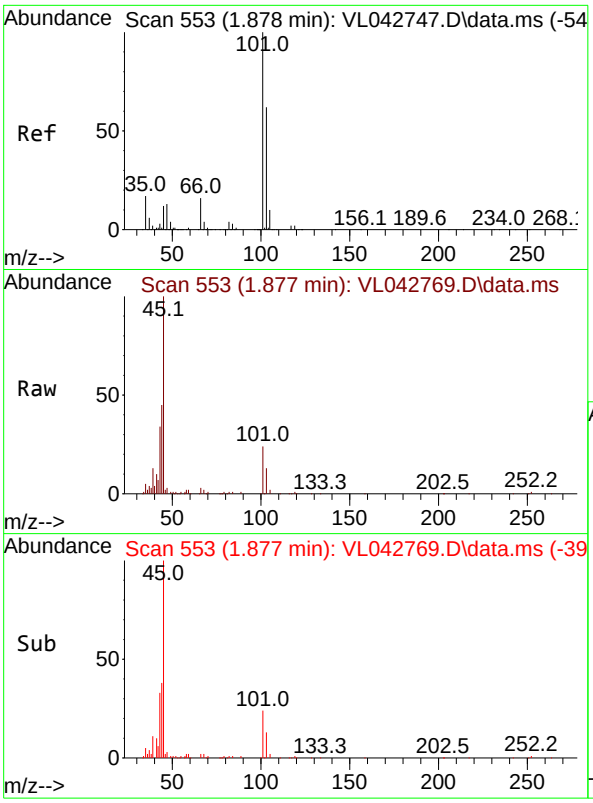


#10
Heptane
Concen: 0.710 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.010 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 18223

Ion	Ratio	Lower	Upper
43	100		
57	40.3	39.9	59.9



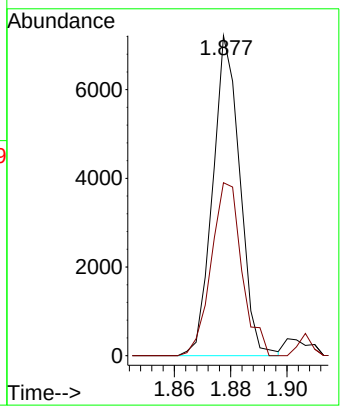


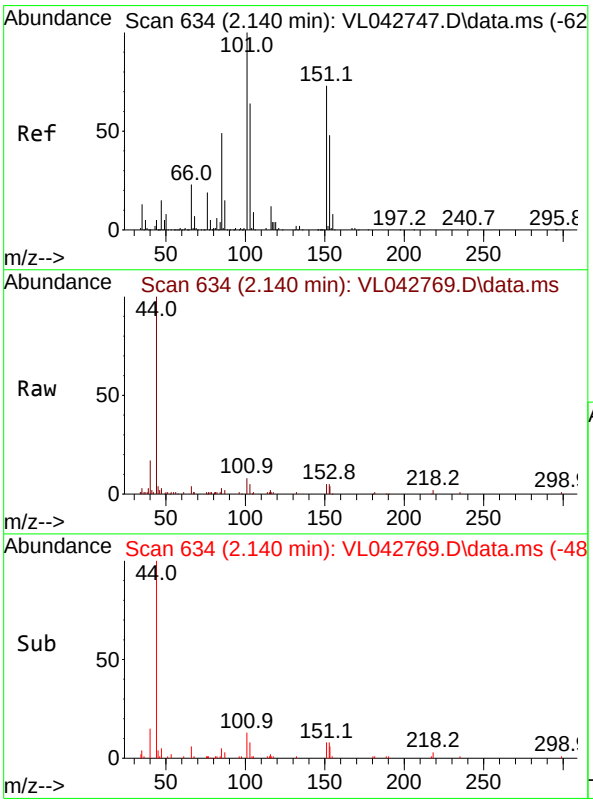
#11
Trichlorofluoromethane
Concen: 0.232 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:101 Resp: 4820

Ion	Ratio	Lower	Upper
101	100		
103	54.0	49.6	74.4

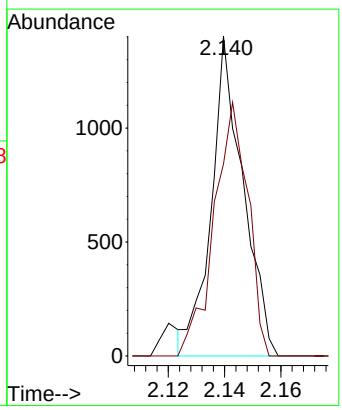


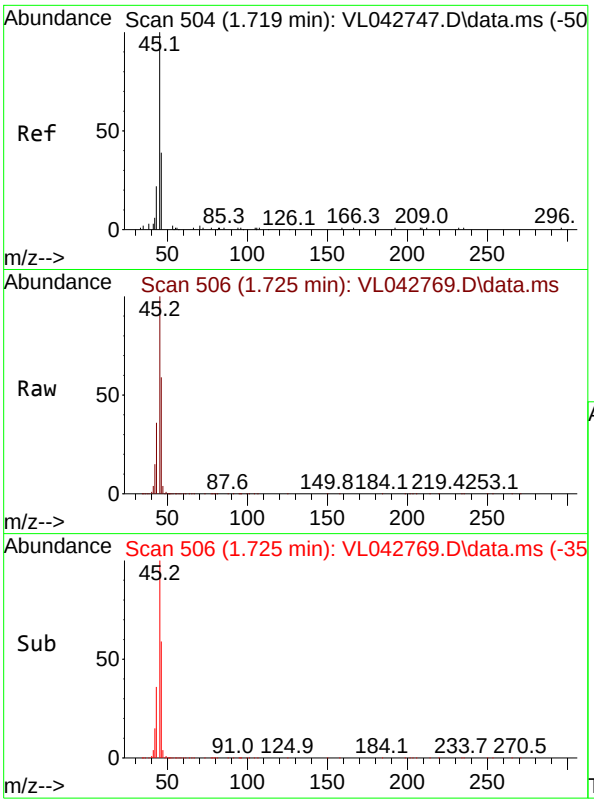


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.070 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:101 Resp: 1098

Ion	Ratio	Lower	Upper
101	100		
151	84.5	60.5	90.7



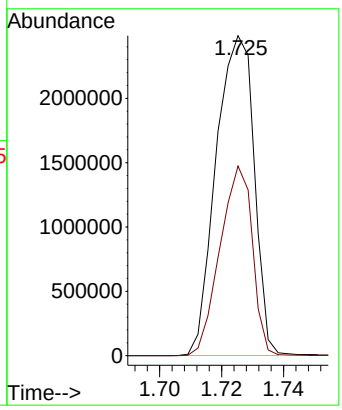


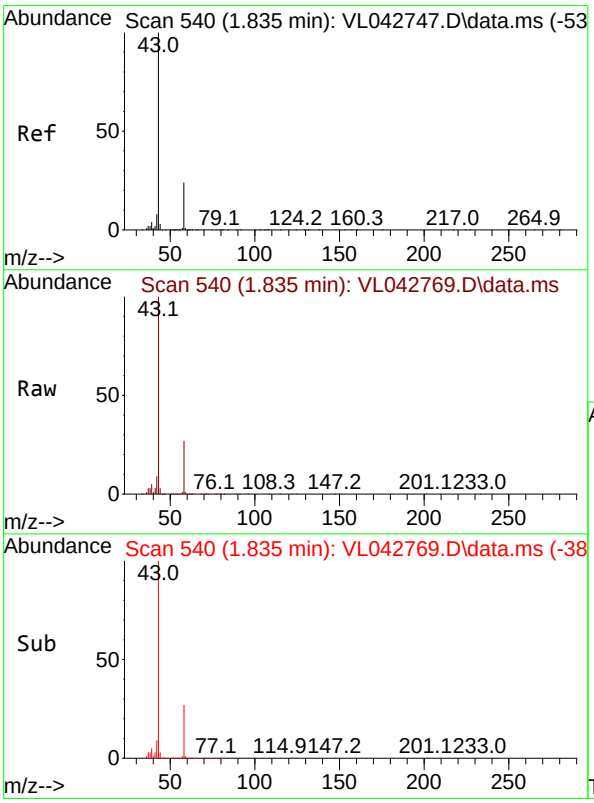
#13
Ethanol
Concen: 3051.926 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 45 Resp: 2117174

Ion	Ratio	Lower	Upper
45	100		
46	50.8	17.8	71.4

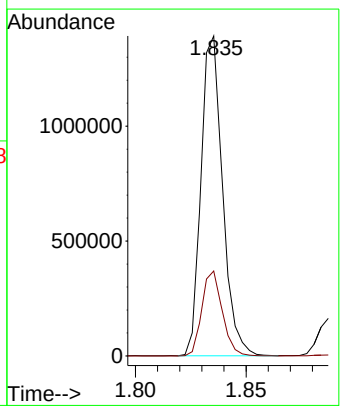


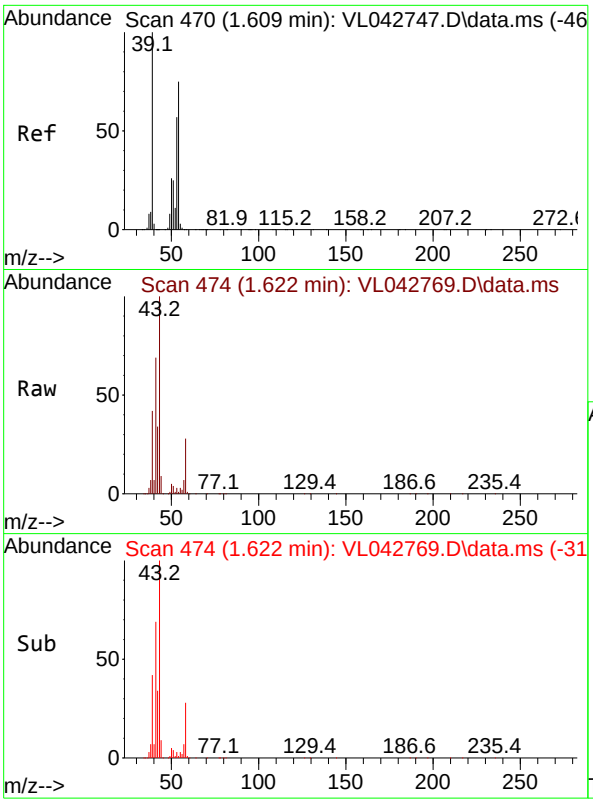


#15
Acetone
Concen: 44.968 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 944712

Ion	Ratio	Lower	Upper
43	100		
58	25.1	19.8	29.8



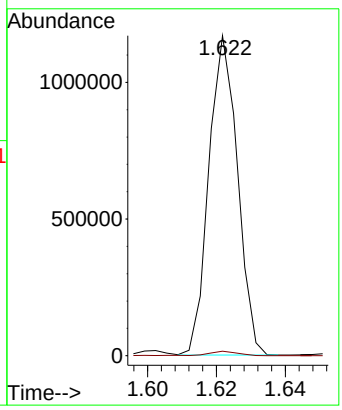


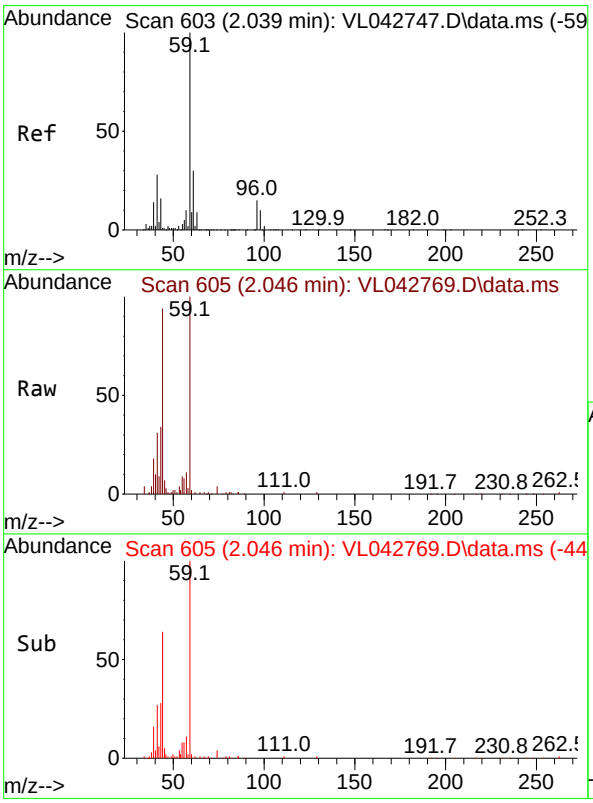
#16
1,3-Butadiene
Concen: 75.552 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 39 Resp: 677026

Ion	Ratio	Lower	Upper
39	100		
54	1.5	54.5	81.7#

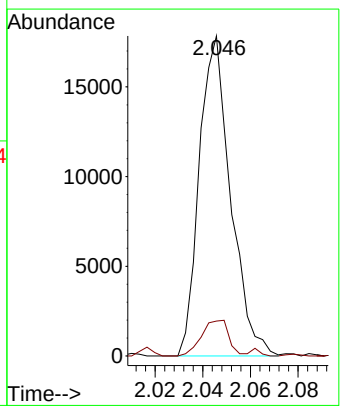


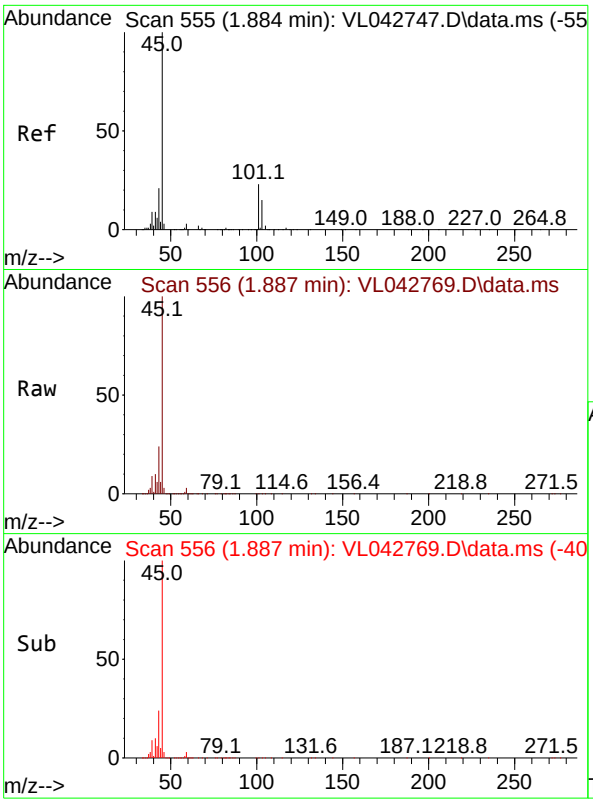


#17
tert-Butyl alcohol
Concen: 0.861 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 59 Resp: 16321

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



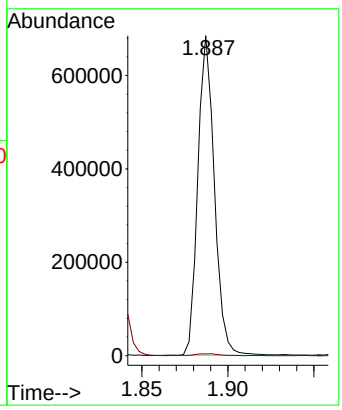


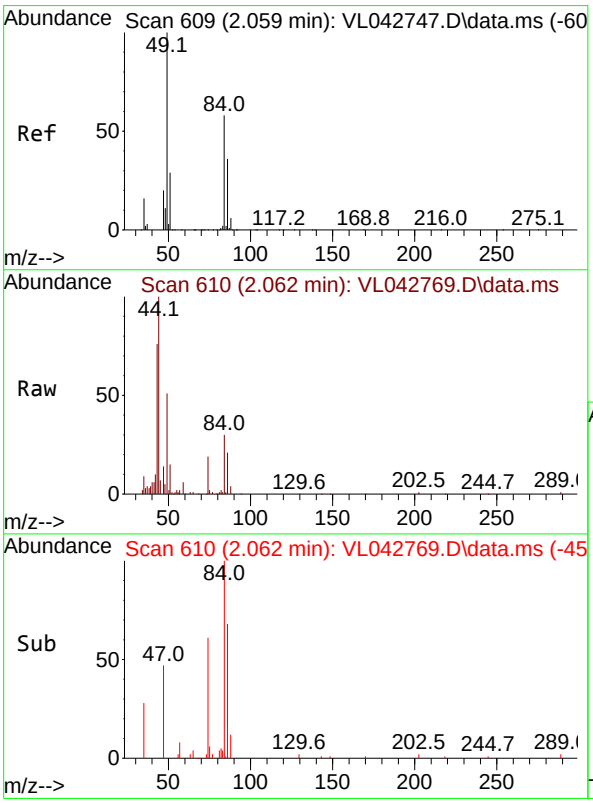
#19
Isopropyl Alcohol
Concen: 41.072 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 45 Resp: 458535

Ion	Ratio	Lower	Upper
45	100		
58	51.8	30.0	45.0#

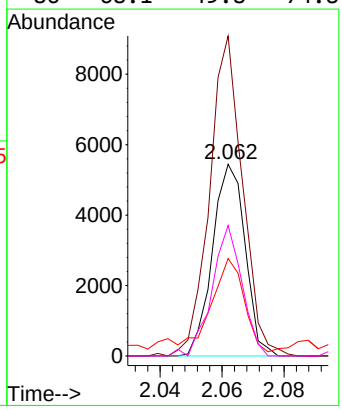


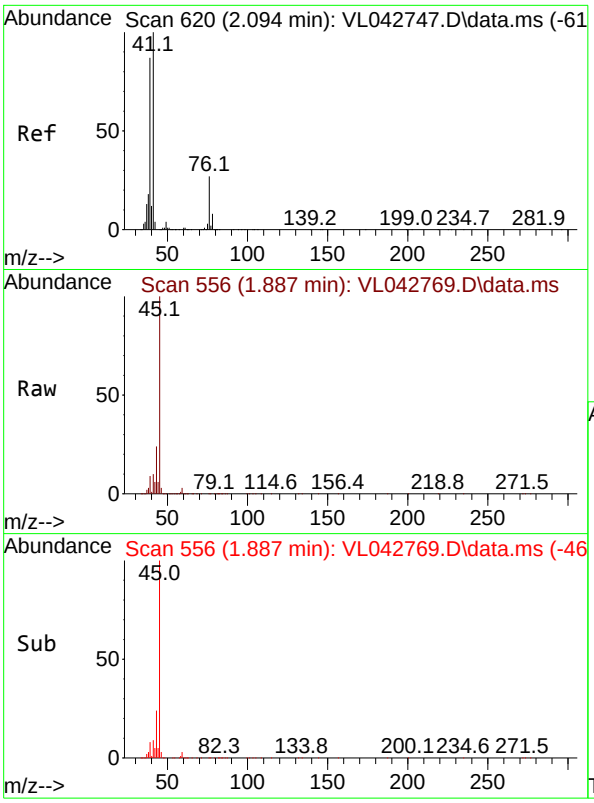


#20
Methylene Chloride
Concen: 0.601 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 84 Resp: 3981

Ion	Ratio	Lower	Upper
84	100		
49	163.3	138.6	208.0
51	47.0	40.6	61.0
86	68.1	49.8	74.8



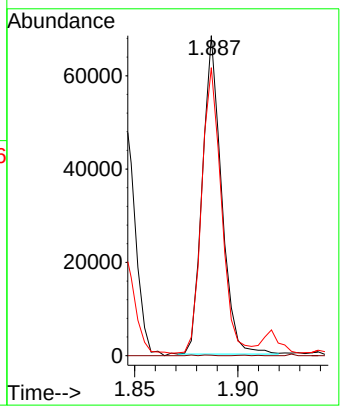


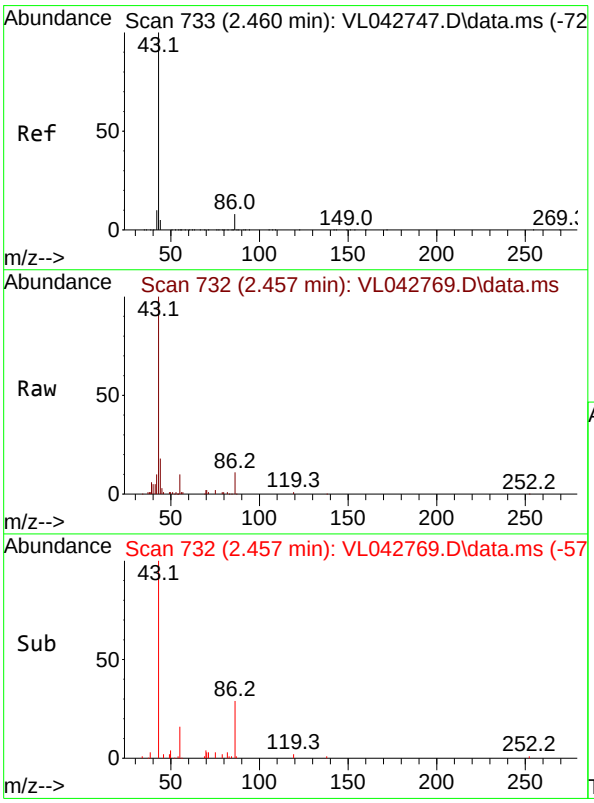
#21
Allyl Chloride
Concen: 3.399 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.207 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 41 Resp: 44013

Ion	Ratio	Lower	Upper
41	100		
76	0.2	21.1	31.7#
39	99.9	68.3	102.5

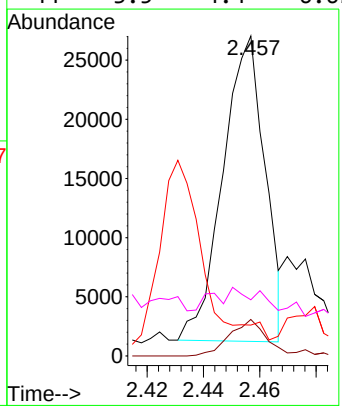


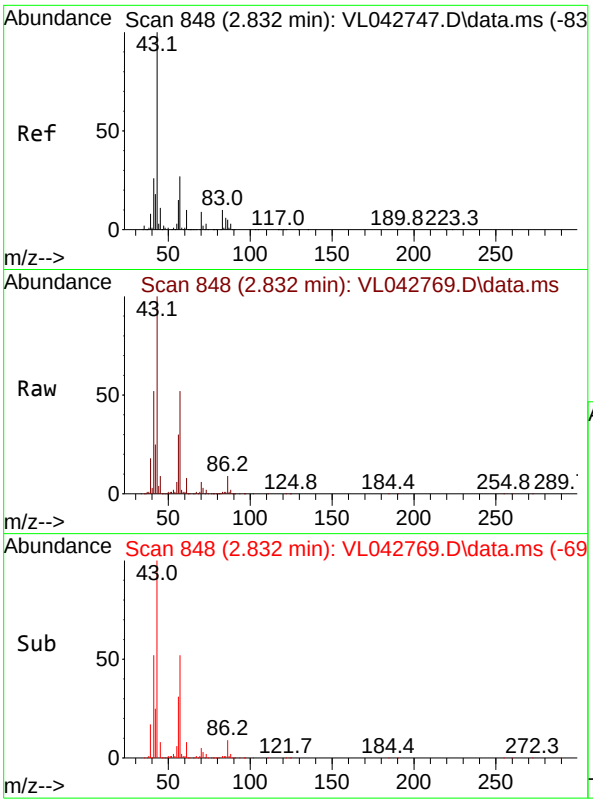


#23
Vinyl Acetate
Concen: 1.051 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 26780

Ion	Ratio	Lower	Upper
43	100		
86	12.0	6.1	9.1#
42	3.6	7.8	11.8#
44	3.5	4.4	6.6#



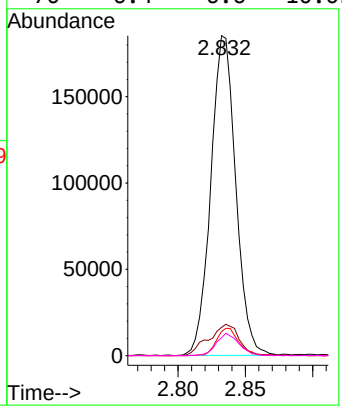


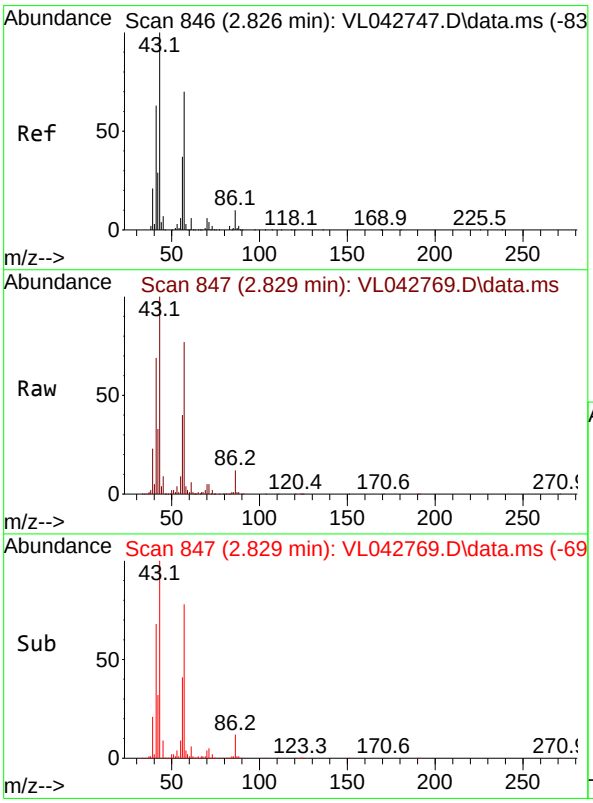
#25
Ethyl Acetate
Concen: 5.131 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 43 Resp: 238601

Ion	Ratio	Lower	Upper
43	100		
45	12.2	7.8	11.6#
61	7.8	6.7	10.1
70	6.4	6.6	10.0#

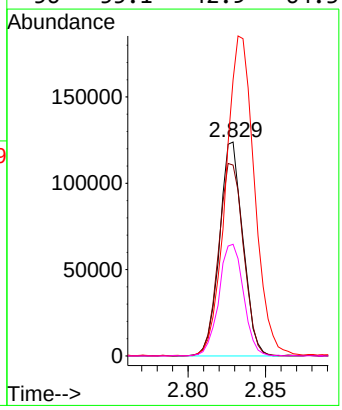


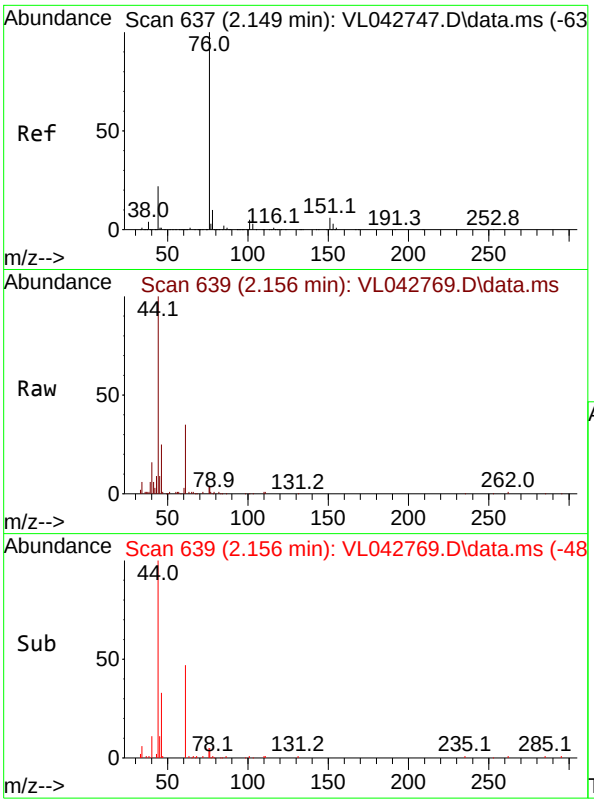


#26
Hexane
Concen: 6.389 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 57 Resp: 130342

Ion	Ratio	Lower	Upper
57	100		
41	96.2	75.4	113.2
43	184.3	185.0	277.6#
56	55.1	42.9	64.3



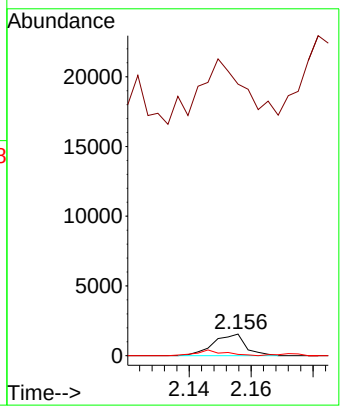


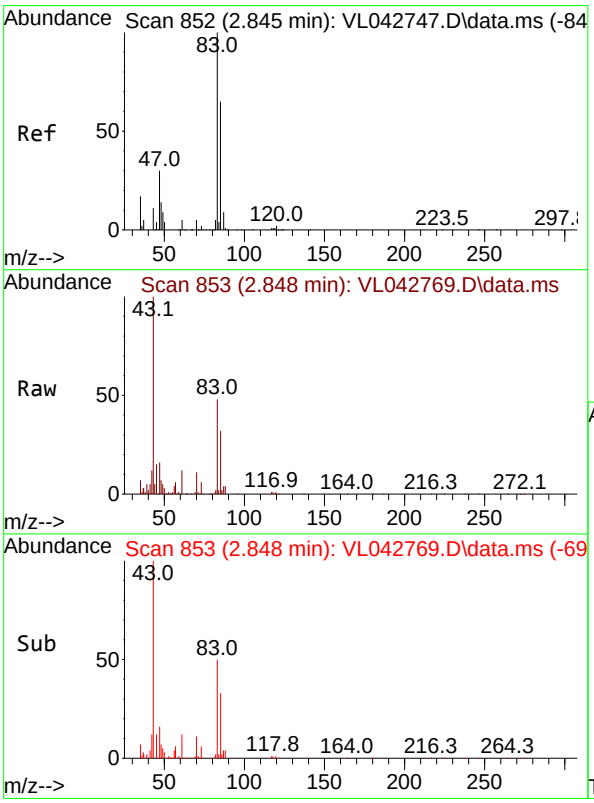
#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 76 Resp: 1118

Ion	Ratio	Lower	Upper
76	100		
44	2810.6	19.3	28.9#
78	32.6	9.9	14.9#

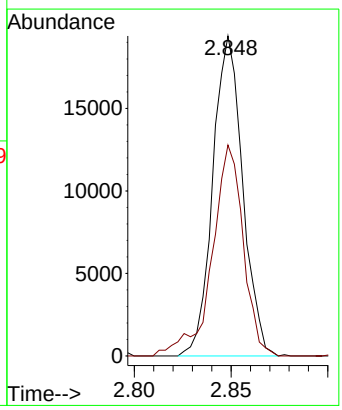


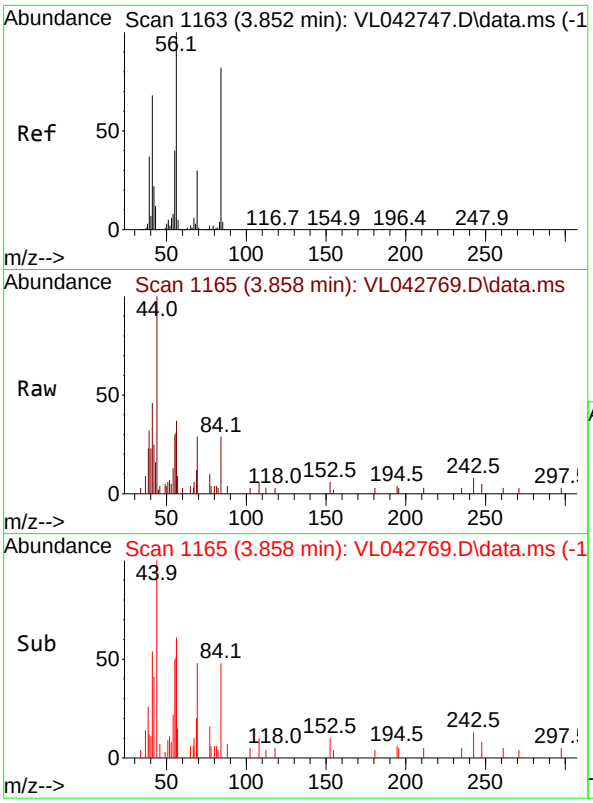


#29
Chloroform
Concen: 0.659 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 83 Resp: 20783

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.2



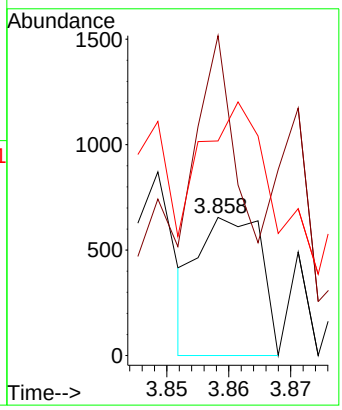


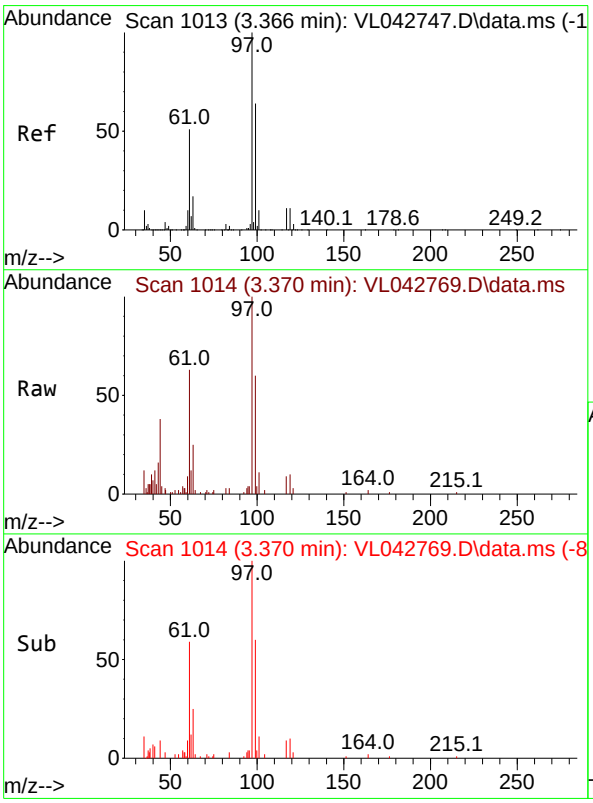
#30
Cyclohexane
Concen: 0.027 ppbv
RT: 3.858 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 84 Resp: 460

Ion	Ratio	Lower	Upper
84	100		
56	520.0	97.5	146.3#
41	653.7	67.2	100.8#

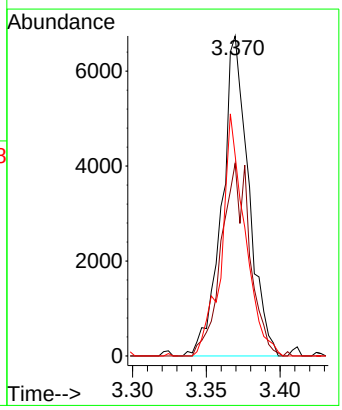


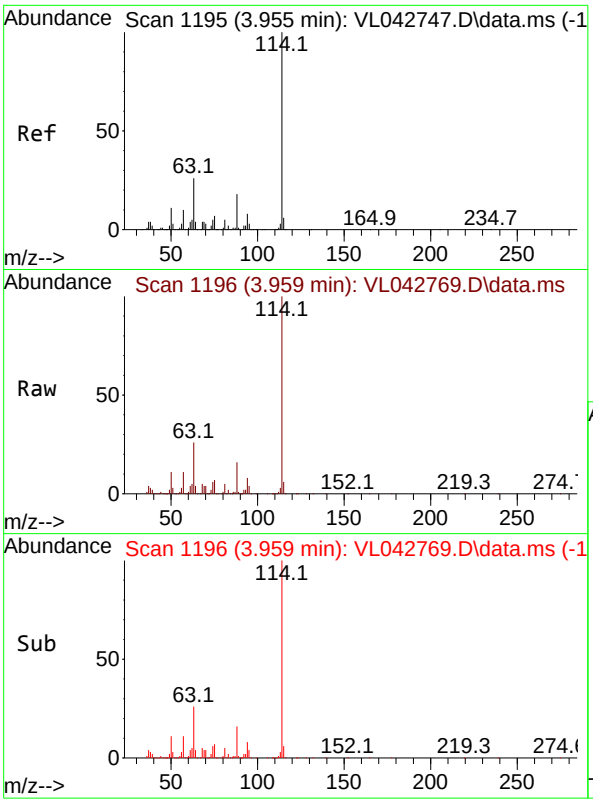


#32
1,1,1-Trichloroethane
Concen: 0.258 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 97 Resp: 8467

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	66.6	40.9	61.3#



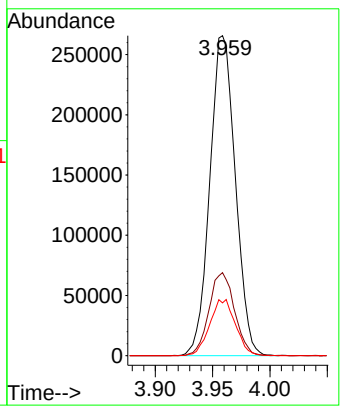


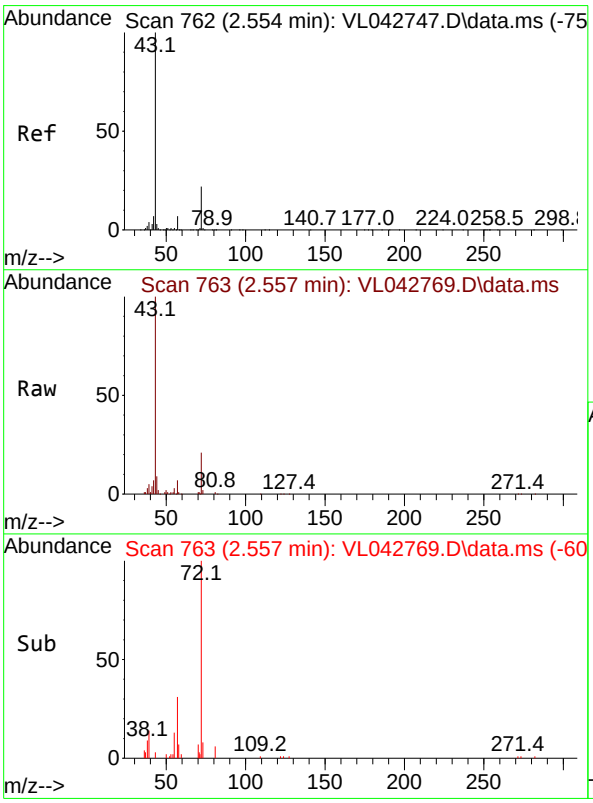
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:114 Resp: 410938

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.5	30.7
88	17.8	14.0	21.0

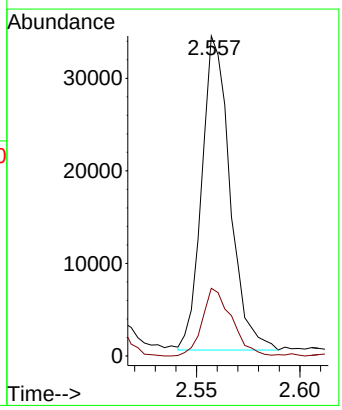


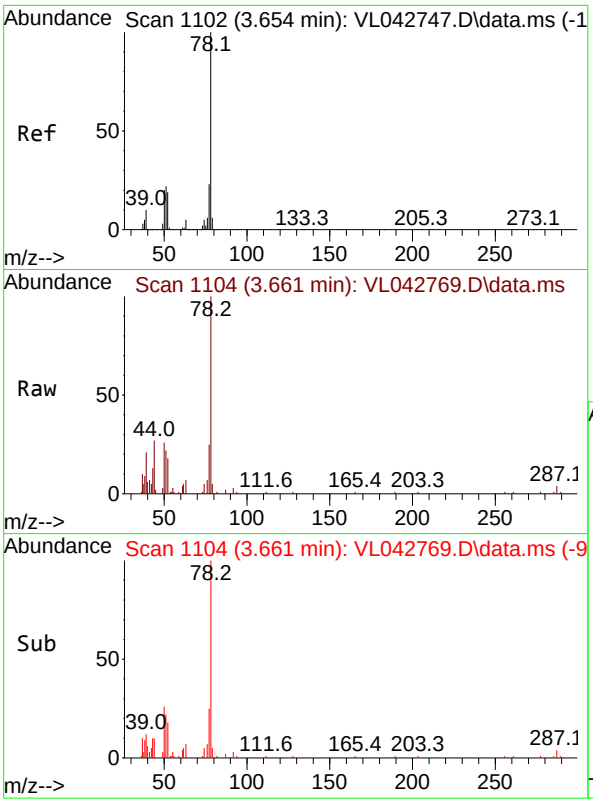


#34
2-Butanone
Concen: 1.107 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 43 Resp: 32227

Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.4	26.0



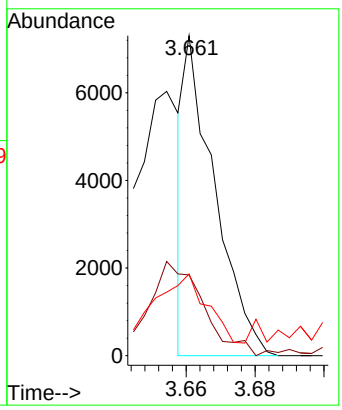


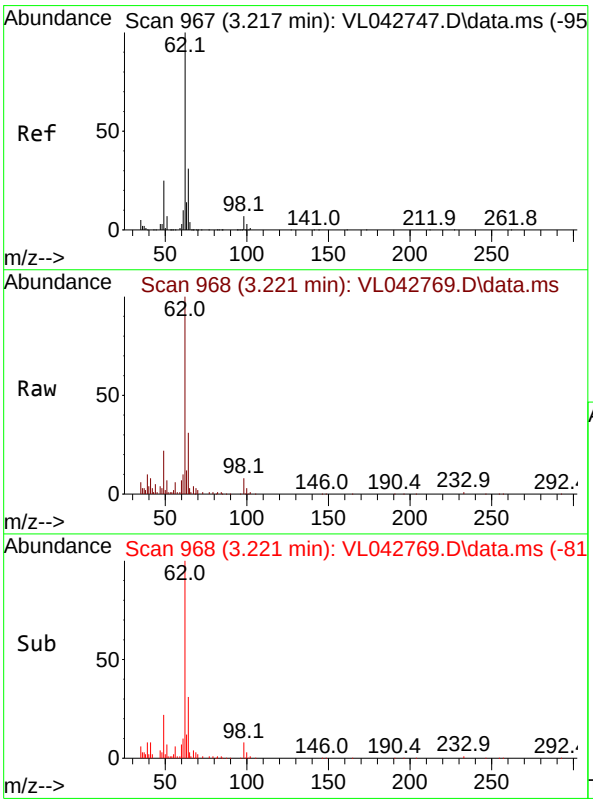
#36
Benzene
Concen: 0.115 ppbv
RT: 3.661 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 78 Resp: 4478

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.5	27.7
50	17.6	16.2	24.2

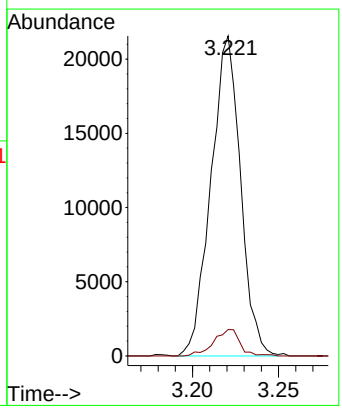


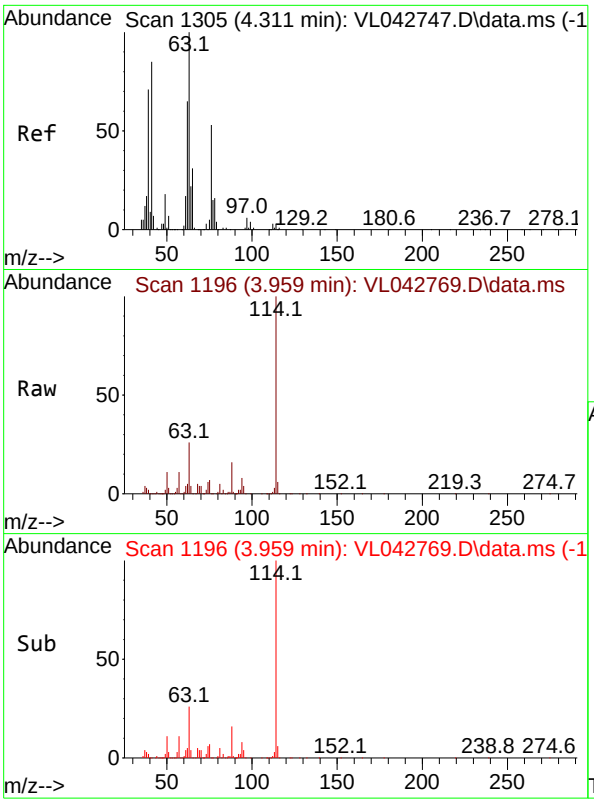


#37
1,2-Dichloroethane
Concen: 1.099 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 62 Resp: 25795

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.2	7.8



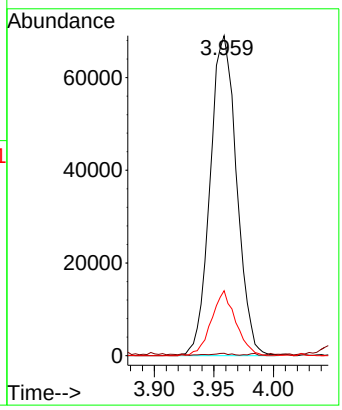


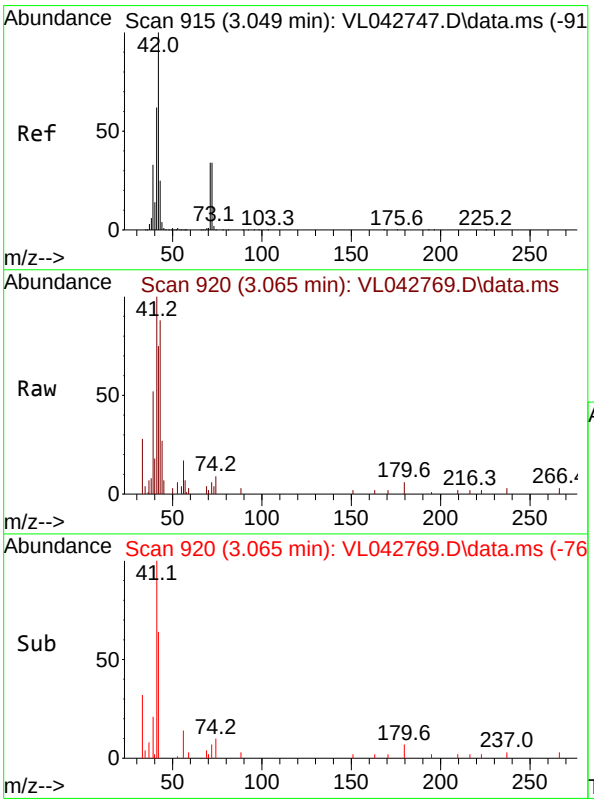
#39
1,2-Dichloropropane
Concen: 7.439 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 63 Resp: 106942

Ion	Ratio	Lower	Upper
63	100		
41	0.5	68.2	102.4#
62	20.3	52.0	78.0#

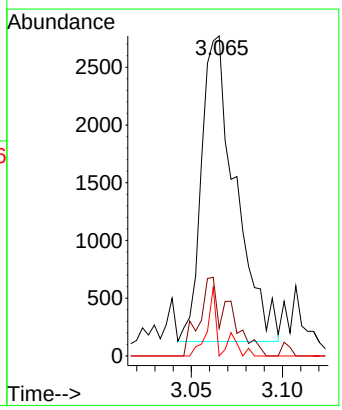


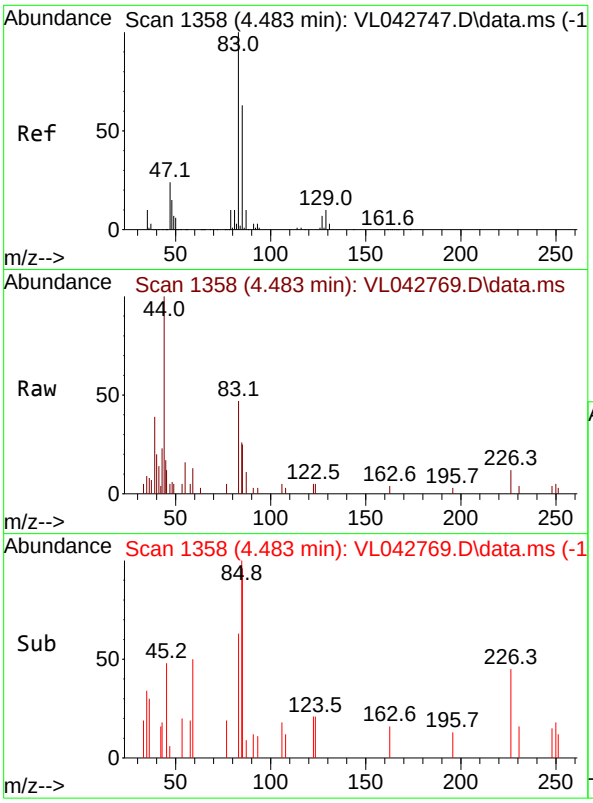


#41
Tetrahydrofuran
Concen: 0.233 ppbv
RT: 3.065 min Scan# 920
Delta R.T. 0.016 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 42 Resp: 3445

Ion	Ratio	Lower	Upper
42	100		
72	24.3	30.9	46.3#
71	8.0	28.6	43.0#



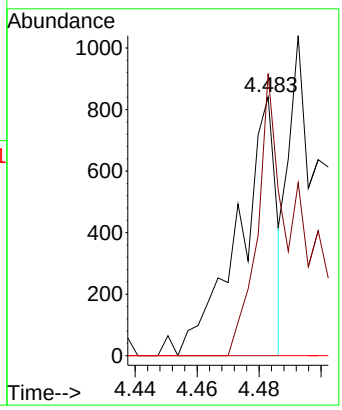


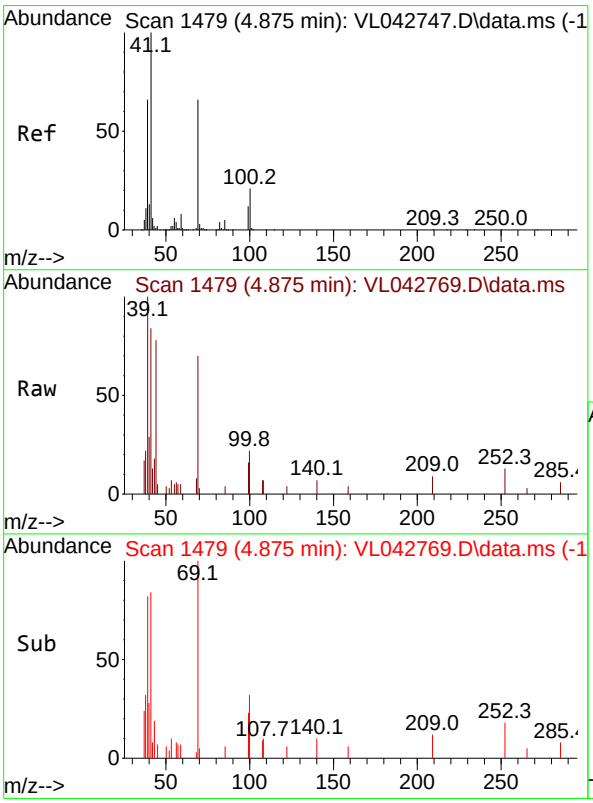
#42
Bromodichloromethane
Concen: 0.023 ppbv
RT: 4.483 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 83 Resp: 703

Ion	Ratio	Lower	Upper
83	100		
85	109.0	50.2	75.4#
127	0.0	5.4	8.2#

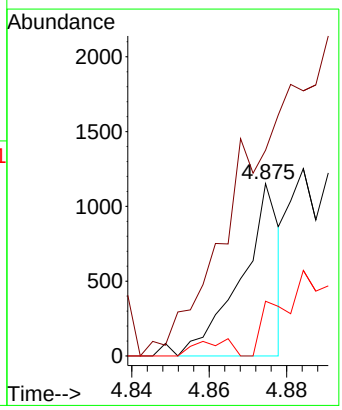


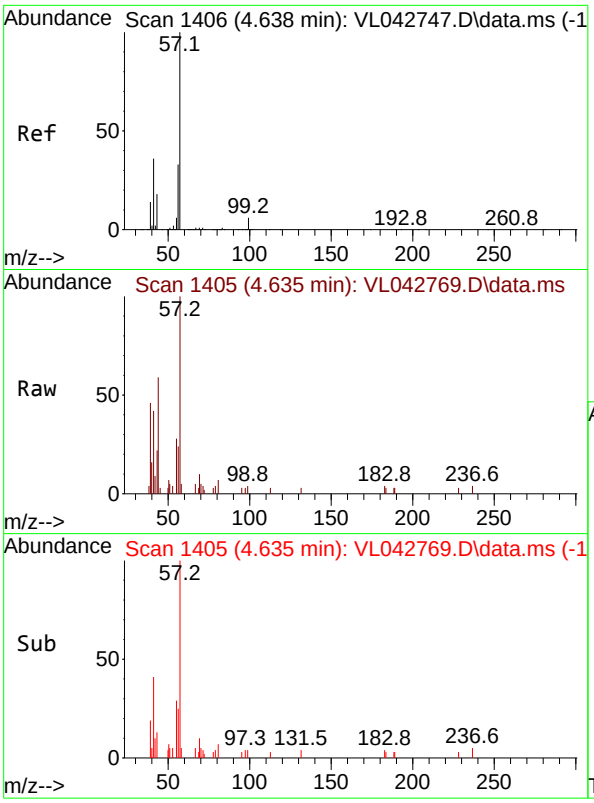


#43
Methyl Methacrylate
Concen: 0.057 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 69 Resp: 785

Ion	Ratio	Lower	Upper
69	100		
41	0.0	125.7	188.5#
100	0.0	28.6	42.8#



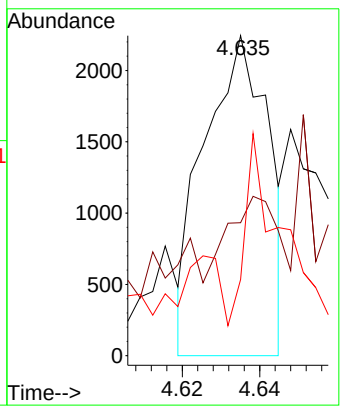


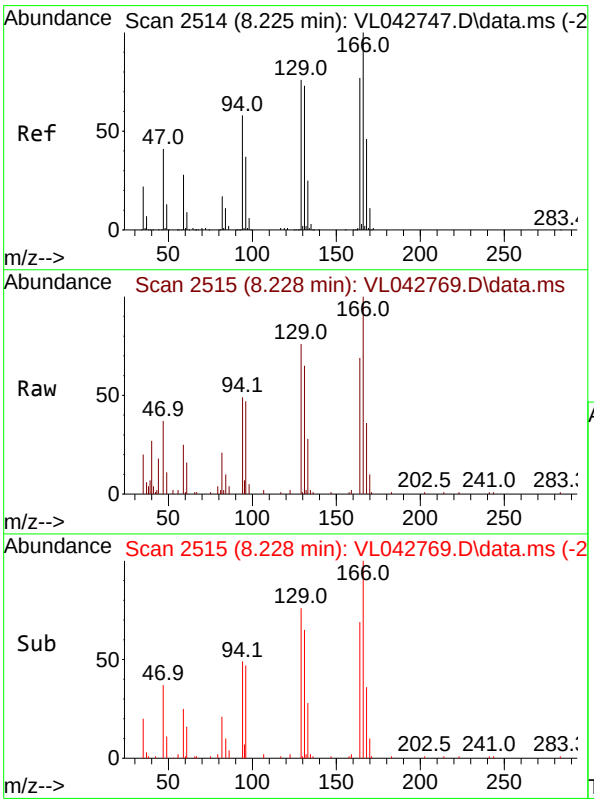
#44
2,2,4-Trimethylpentane
Concen: 0.041 ppbv
RT: 4.635 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 57 Resp: 2596

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.3	42.5#
56	92.5	25.8	38.6#

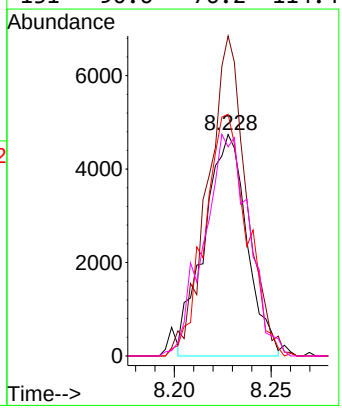


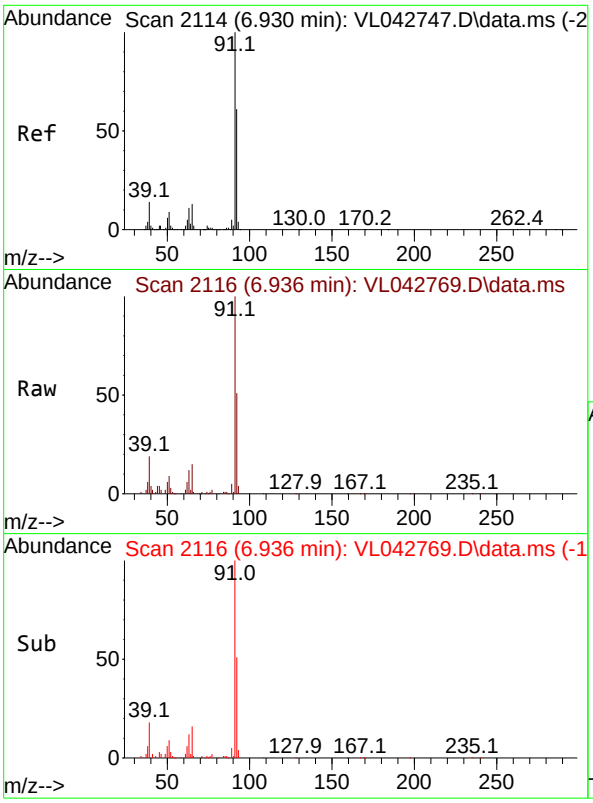


#52
Tetrachloroethene
Concen: 0.448 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:164 Resp: 7237

Ion	Ratio	Lower	Upper
164	100		
166	138.9	104.0	156.0
129	108.0	79.2	118.8
131	90.6	76.2	114.4



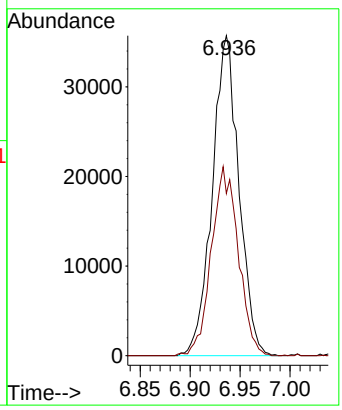


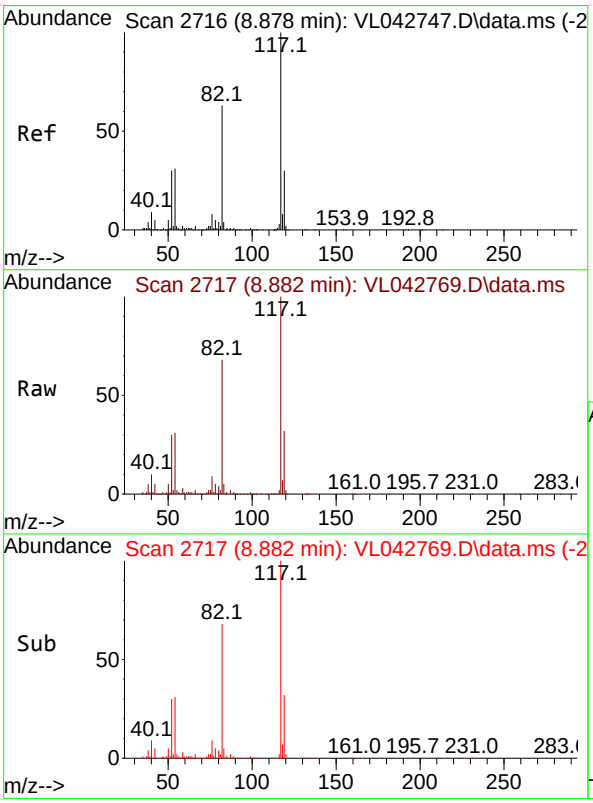
#53
Toluene
Concen: 1.583 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 91 Resp: 66216

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.0	72.0

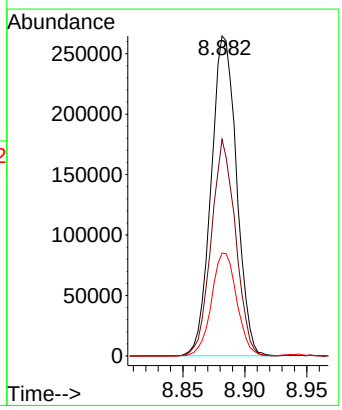


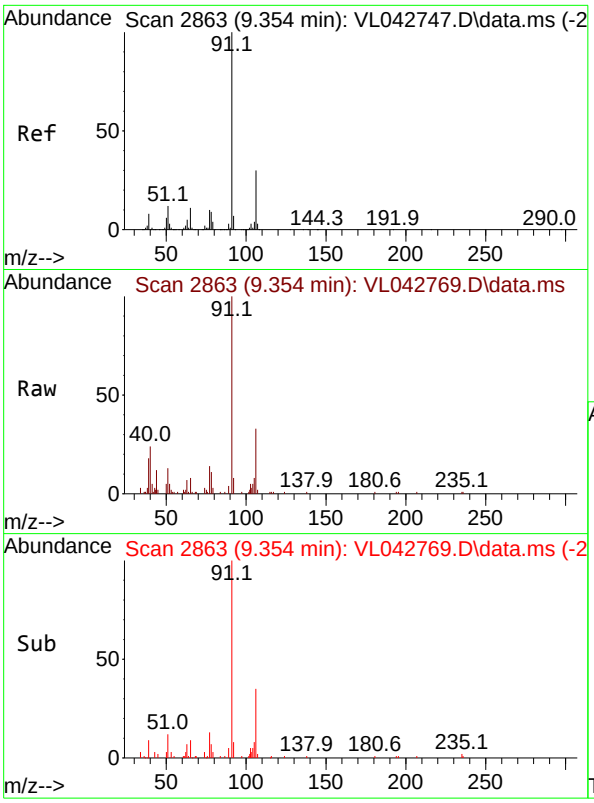


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:117 Resp: 378371

Ion	Ratio	Lower	Upper
117	100		
82	64.9	53.3	79.9
119	32.0	25.8	38.6



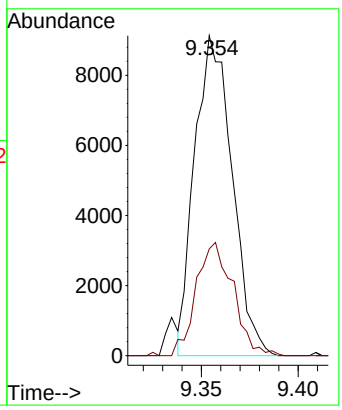


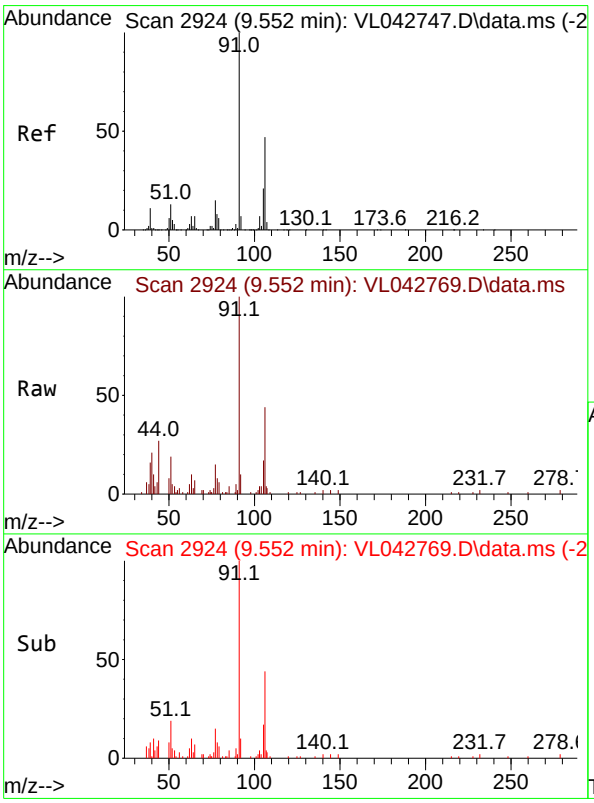
#58
Ethyl Benzene
Concen: 0.206 ppbv
RT: 9.354 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 91 Resp: 12289

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.8	35.6

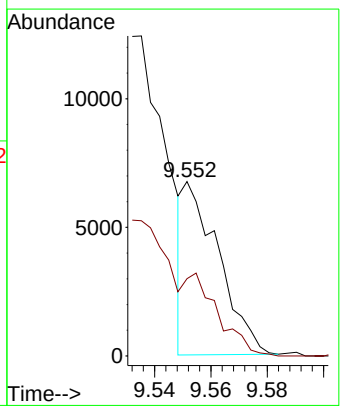


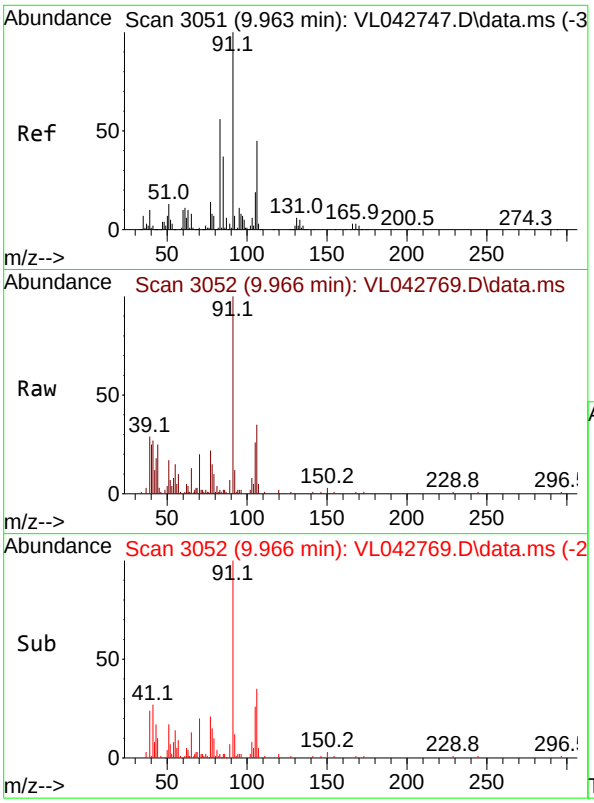


#59
m/p-Xylene
Concen: 0.123 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 5853

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.4	56.2#



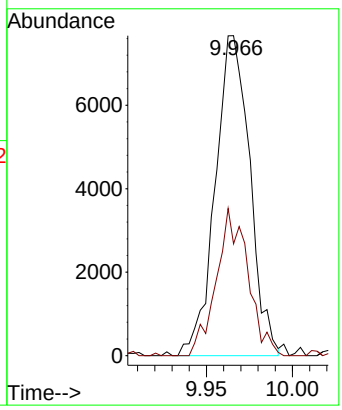


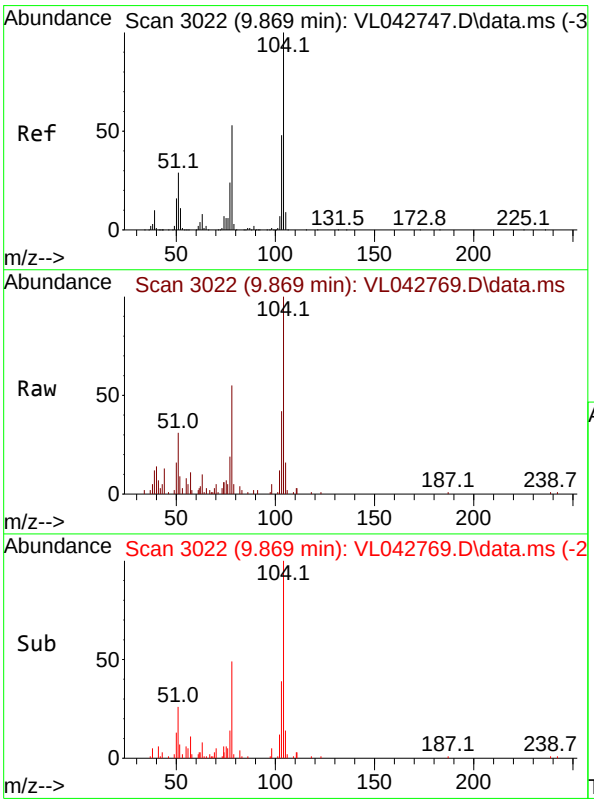
#60
o-Xylene
Concen: 0.225 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 91 Resp: 10717

Ion	Ratio	Lower	Upper
91	100		
106	42.0	22.0	66.0

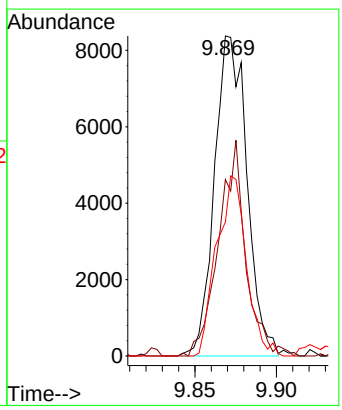


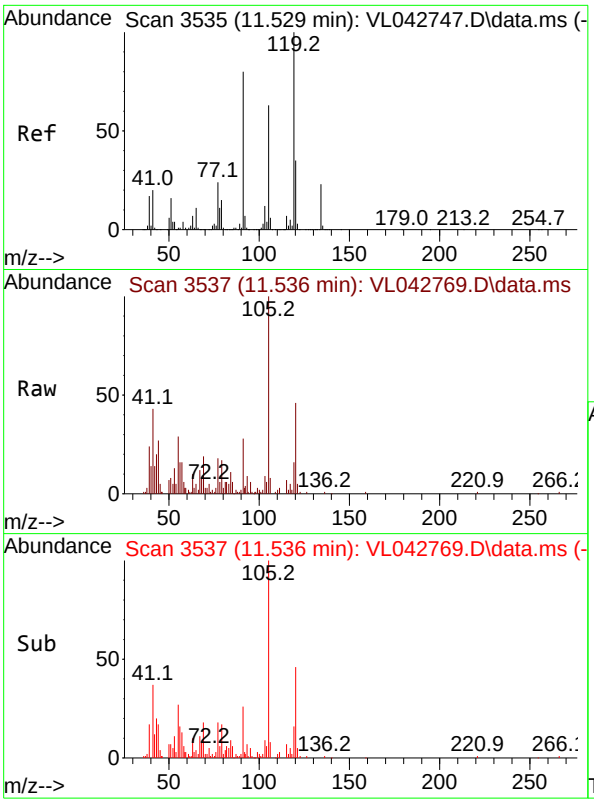


#61
Styrene
Concen: 0.576 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:104 Resp: 11559

Ion	Ratio	Lower	Upper
104	100		
78	57.2	41.5	62.3
103	51.7	37.5	56.3



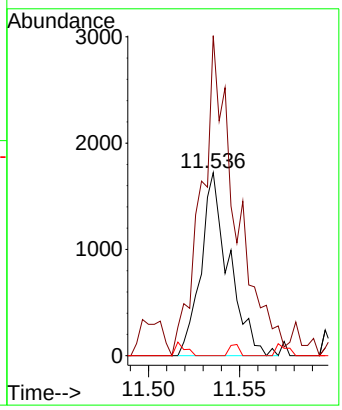


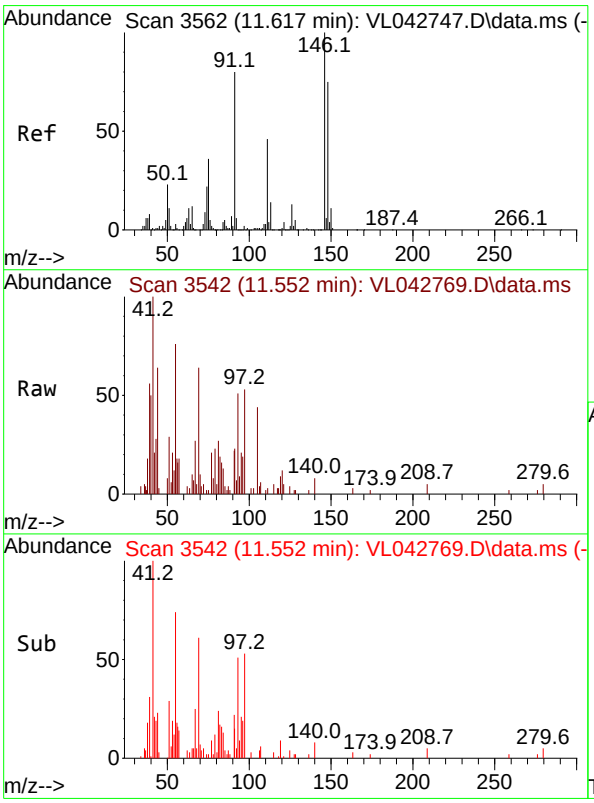
#65
tert-Butylbenzene
Concen: 0.029 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:119 Resp: 1834

Ion	Ratio	Lower	Upper
119	100		
91	239.7	64.0	96.0#
134	0.0	17.3	25.9#

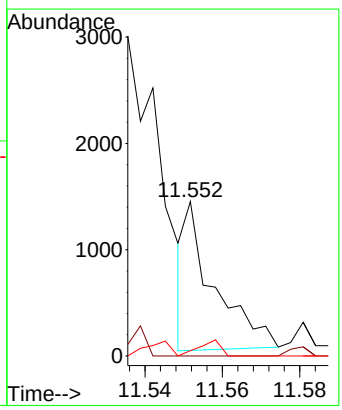


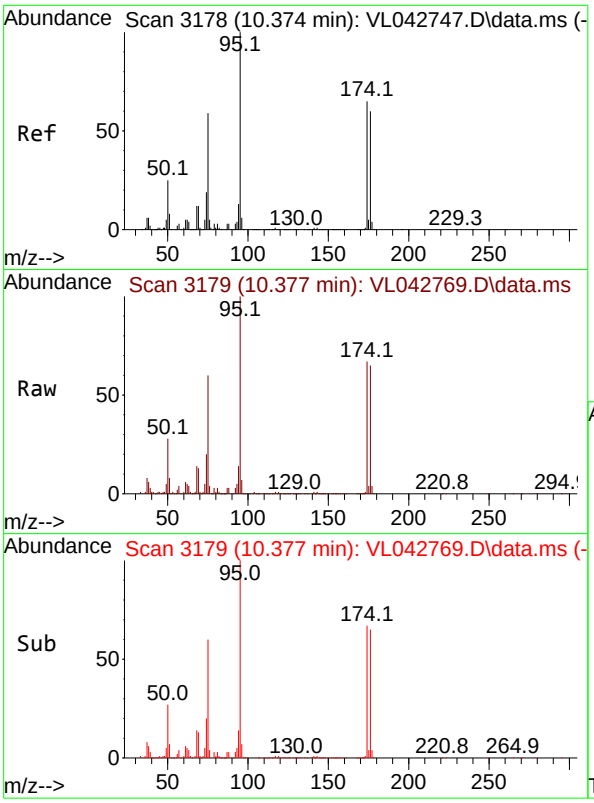


#66
Benzyl Chloride
Concen: 0.143 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.065 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion: 91 Resp: 735

Ion	Ratio	Lower	Upper
91	100		
126	3.9	14.4	21.6#
128	16.1	5.2	7.8#



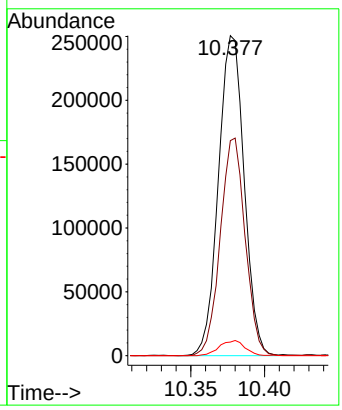


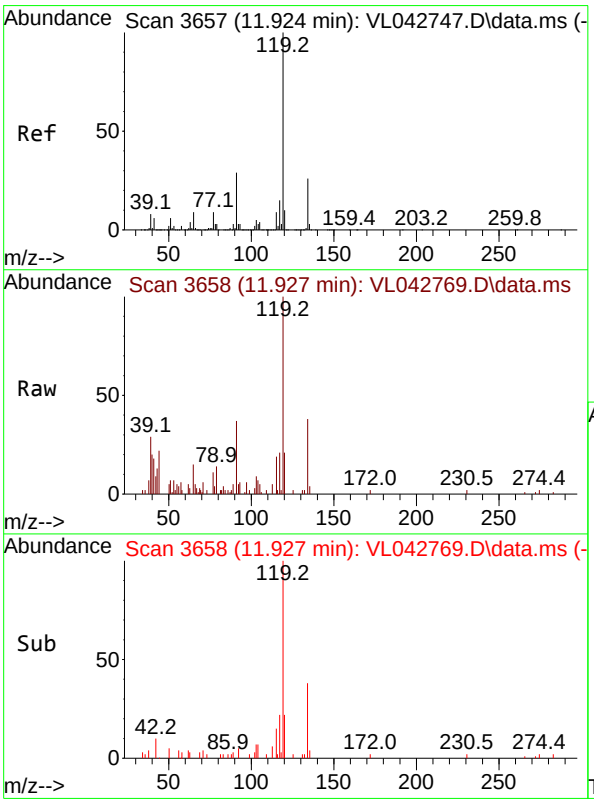
#68
1-Bromo-4-Fluorobenzene
Concen: 10.147 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion: 95 Resp: 304041

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.8	80.6
175	4.8	4.0	6.0

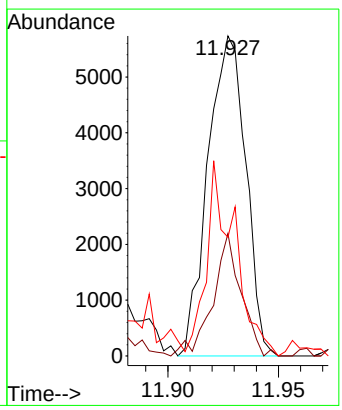


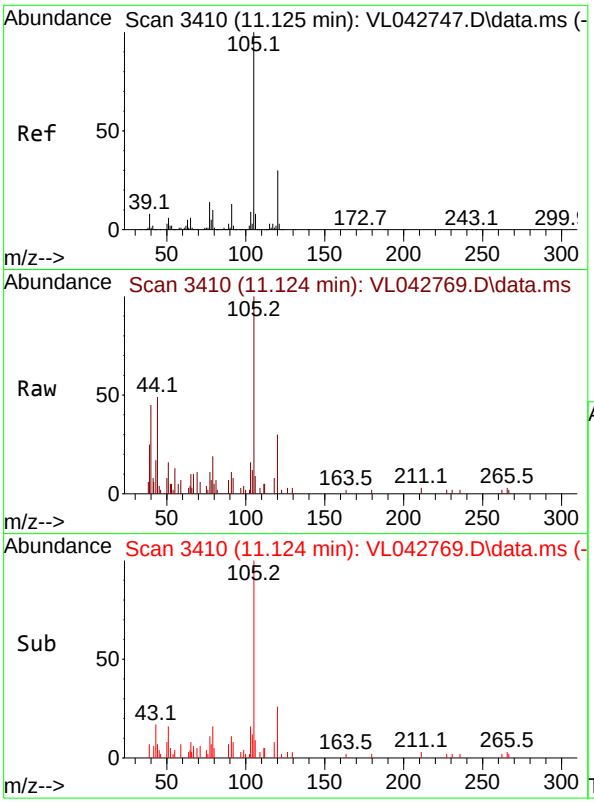


#69
p-Isopropyltoluene
Concen: 0.094 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:119 Resp: 6833

Ion	Ratio	Lower	Upper
119	100		
134	28.8	20.6	31.0
91	51.8	23.2	34.8#



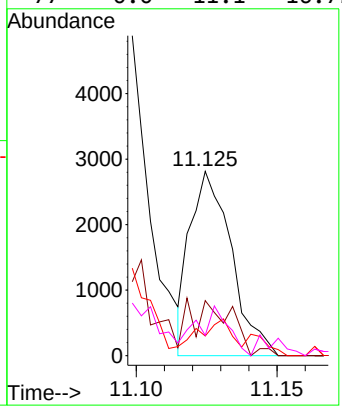


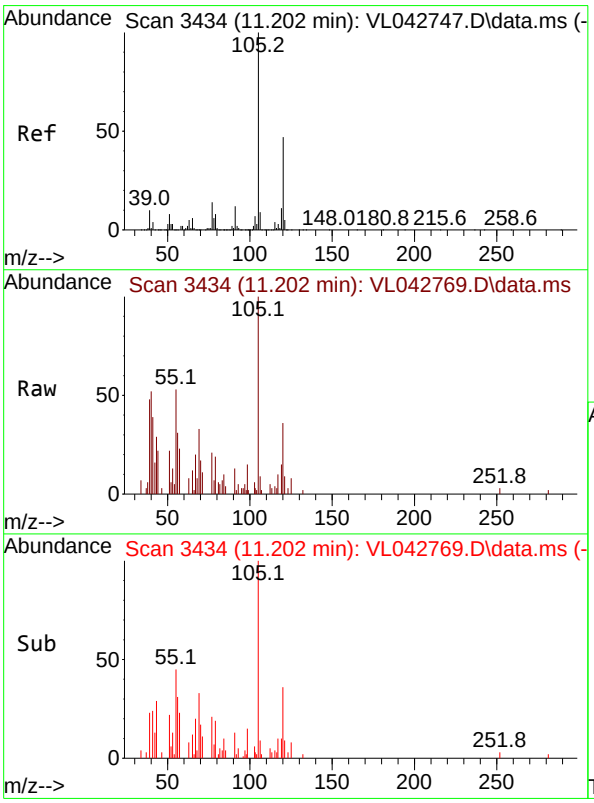
#72
4-Ethyltoluene
Concen: 0.050 ppbv
RT: 11.124 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:105 Resp: 2875

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.4	36.6
91	0.0	10.6	15.8#
77	0.0	11.1	16.7#

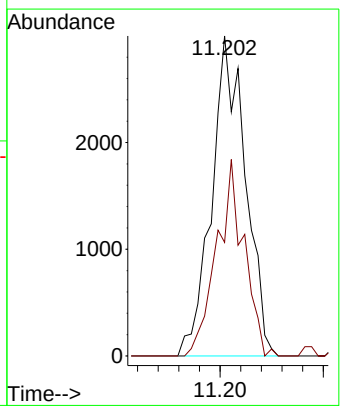


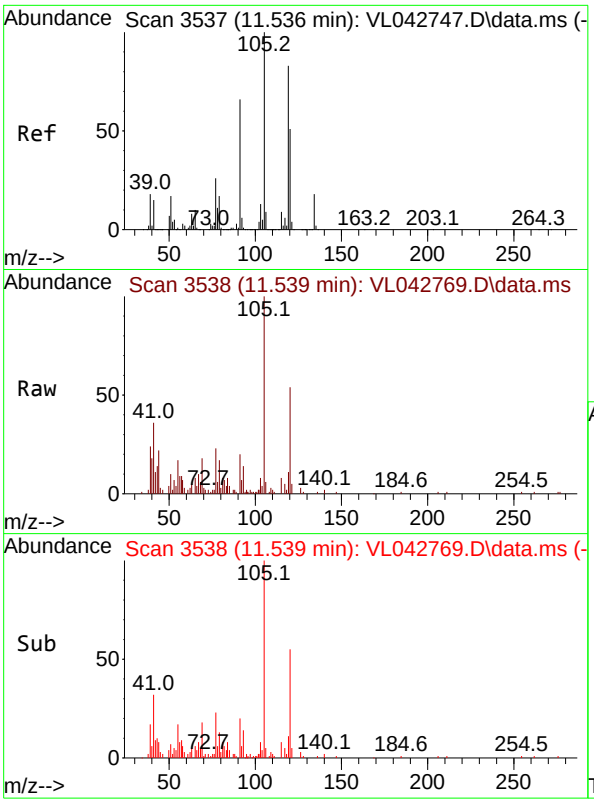


#73
1,3,5-Trimethylbenzene
Concen: 0.073 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:105 Resp: 3411

Ion	Ratio	Lower	Upper
105	100		
120	35.5	37.8	56.8#



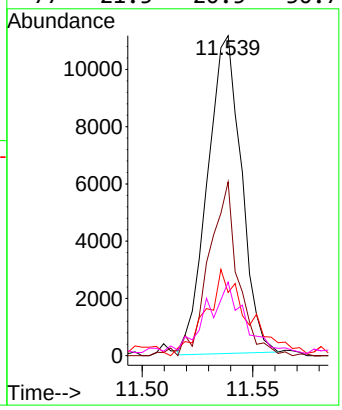


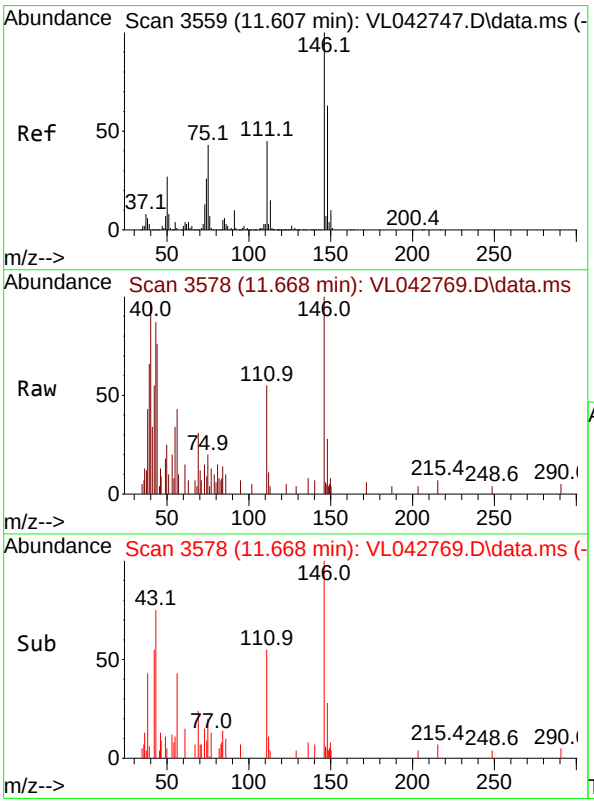
#74
1,2,4-Trimethylbenzene
Concen: 0.231 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:105 Resp: 11842

Ion	Ratio	Lower	Upper
105	100		
120	54.2	40.8	61.2
91	17.6	53.0	79.4#
77	21.5	20.5	30.7

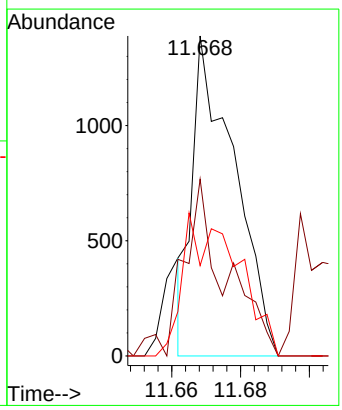


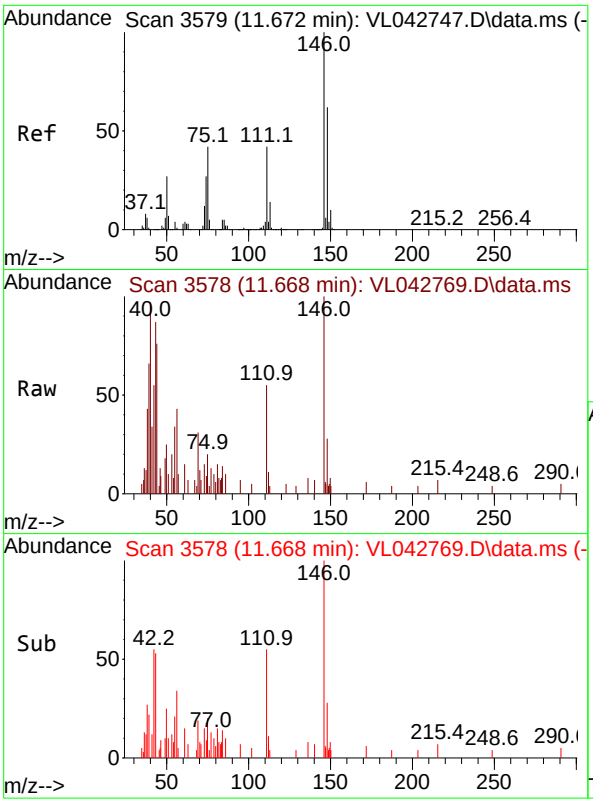


#75
1,3-Dichlorobenzene
Concen: 0.033 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.061 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:146 Resp: 1171

Ion	Ratio	Lower	Upper
146	100		
111	59.0	22.7	68.0
148	57.8	31.9	95.5



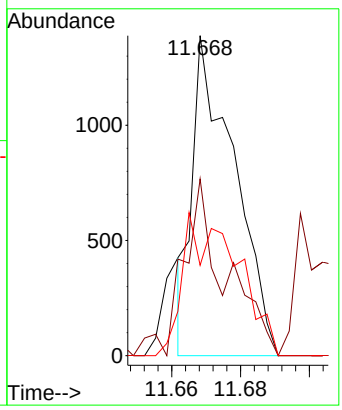


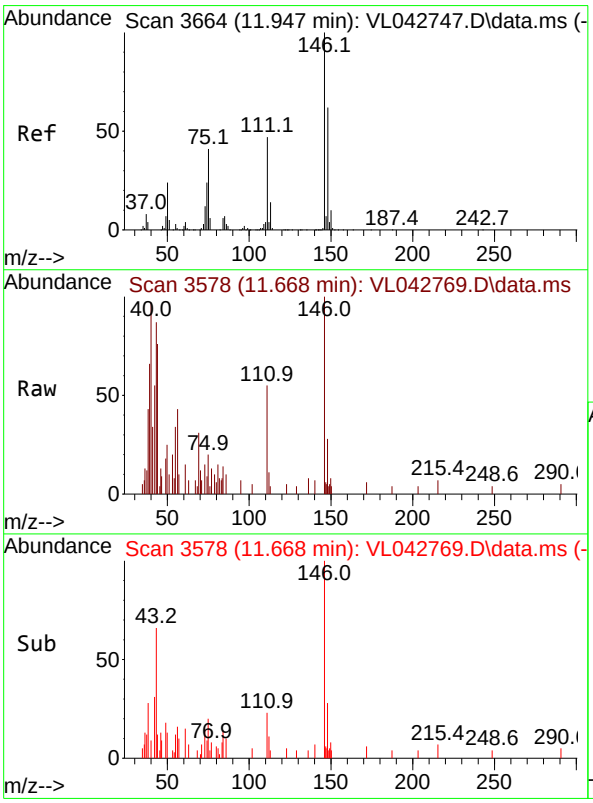
#76
1,4-Dichlorobenzene
Concen: 0.033 ppbv
RT: 11.668 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:146 Resp: 1171

Ion	Ratio	Lower	Upper
146	100		
111	57.2	21.4	64.2
148	57.7	32.1	96.3

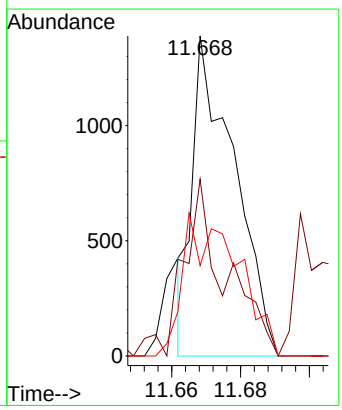


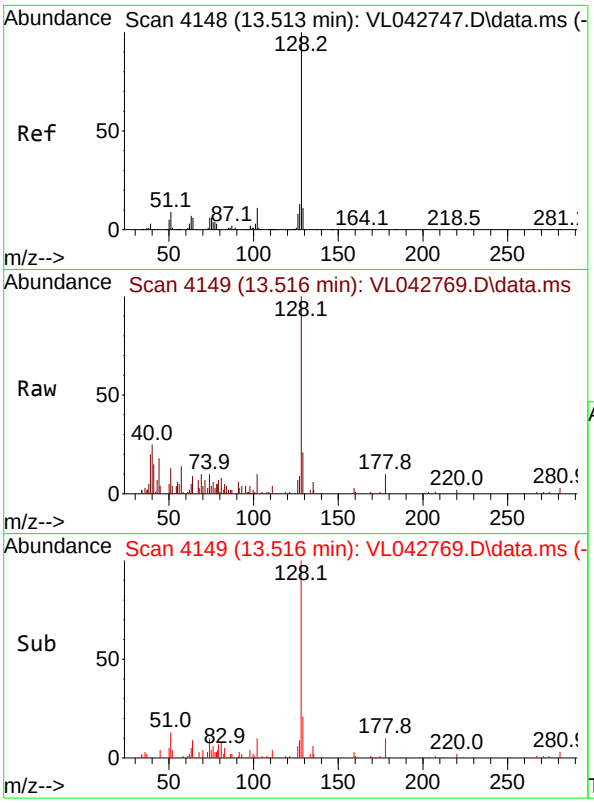


#77
1,2-Dichlorobenzene
Concen: 0.033 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.278 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:146 Resp: 1171

Ion	Ratio	Lower	Upper
146	100		
111	59.0	23.7	71.1
148	57.8	32.6	97.7



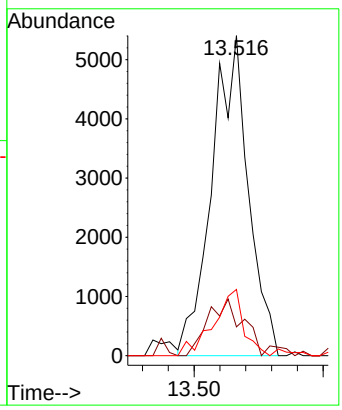


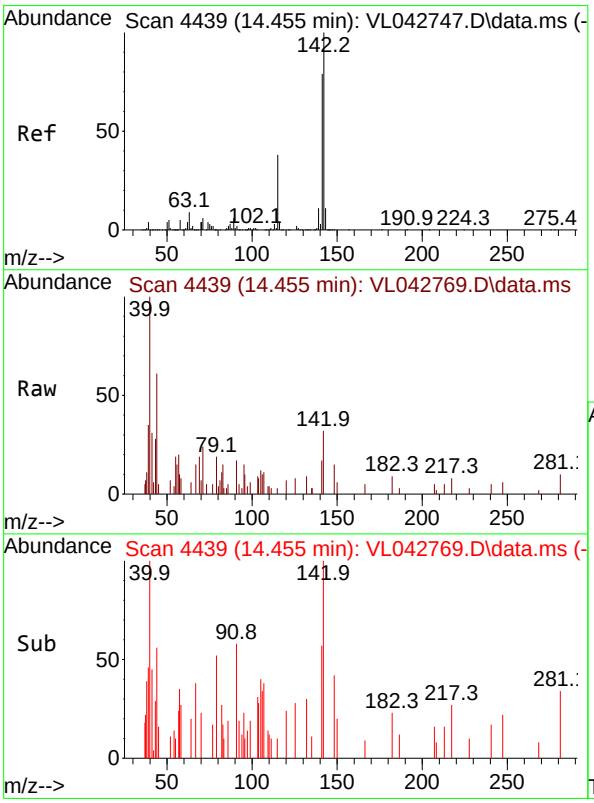
#79
Naphthalene
Concen: 0.526 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:128 Resp: 5307

Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.5	15.7#
129	20.7	8.6	13.0#

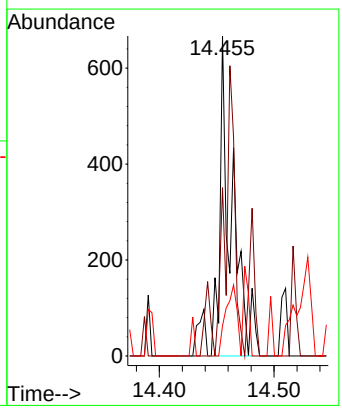


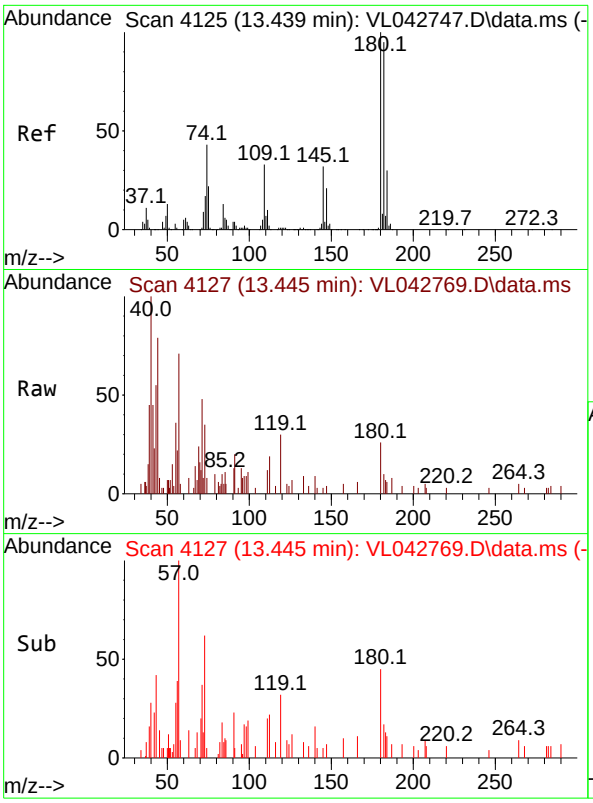


#80
Naphthalene,2-methyl-
Concen: 1.145 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Tgt Ion:142 Resp: 517

Ion	Ratio	Lower	Upper
142	100		
141	98.8	65.8	98.8#
115	31.5	31.2	46.8



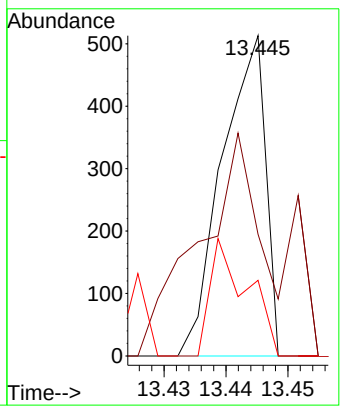


#81
1,2,4-Trichlorobenzene
Concen: 0.443 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042769.D
Acq: 24 Jul 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2

Tgt Ion:180 Resp: 250

Ion	Ratio	Lower	Upper
180	100		
182	118.4	76.2	114.2#
184	41.6	24.8	37.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042770.D
Acq On : 24 Jul 2025 18:05
Operator : SY/MD
Sample : Q2671-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Quant Time: Jul 25 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

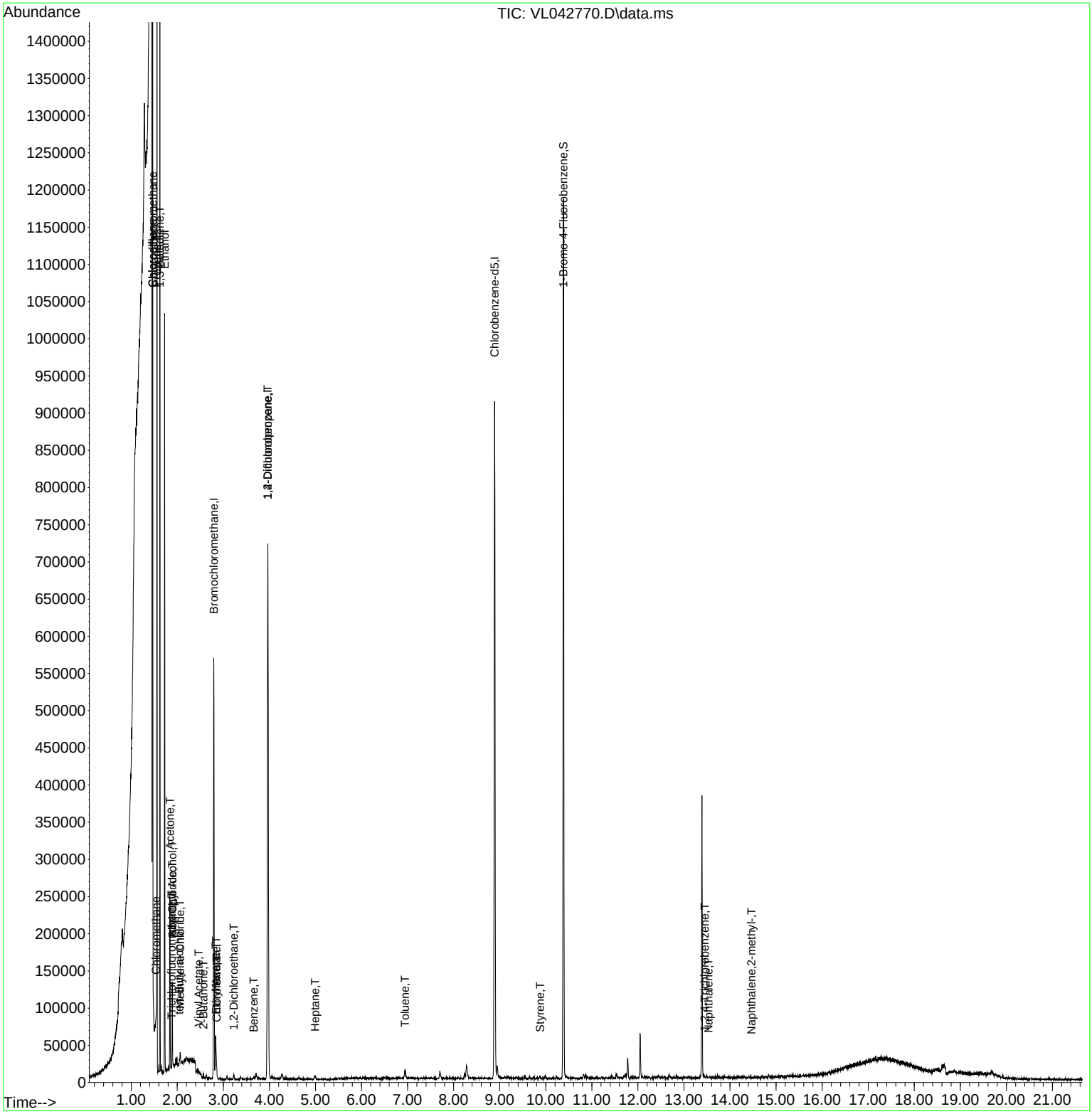
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	153526	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	414561	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	358888	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	280181	9.858	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.463	51	488053	18.457	ppbv #	58
4) Chloromethane	1.534	50	753	0.092	ppbv #	84
7) Chloroethane	1.466	64	20213	6.448	ppbv	98
9) Propene	1.557	41	228800	23.808	ppbv	97
10) Heptane	4.991	43	662	0.026	ppbv #	78
11) Trichlorofluoromethane	1.877	101	508	0.024	ppbv #	74
13) Ethanol	1.725	45	347930	496.065	ppbv	88
15) Acetone	1.839	43	94811	4.472	ppbv	99
16) 1,3-Butadiene	1.622	39	81810	9.047	ppbv #	18
17) tert-Butyl alcohol	2.046	59	1578	0.083	ppbv #	72
19) Isopropyl Alcohol	1.890	45	43059	3.822	ppbv #	70
20) Methylene Chloride	2.065	84	1548	0.232	ppbv #	80
21) Allyl Chloride	1.890	41	4310	0.330	ppbv #	18
23) Vinyl Acetate	2.463	43	1017	0.040	ppbv #	80
25) Ethyl Acetate	2.848	43	21871	0.466	ppbv #	93
26) Hexane	2.832	57	11237	0.546	ppbv	84
29) Chloroform	2.855	83	2959	0.093	ppbv #	71
34) 2-Butanone	2.567	43	3750	0.128	ppbv	96
36) Benzene	3.661	78	912	0.023	ppbv #	61
37) 1,2-Dichloroethane	3.227	62	1943	0.082	ppbv #	81
39) 1,2-Dichloropropane	3.965	63	107291	7.398	ppbv #	22
53) Toluene	6.946	91	2214	0.052	ppbv #	1
61) Styrene	9.875	104	872	0.046	ppbv #	70
79) Naphthalene	13.533	128	131	0.437	ppbv #	69
80) Naphthalene,2-methyl-	14.465	142	40	1.130	ppbv #	35
81) 1,2,4-Trichlorobenzene	13.452	180	51	0.437	ppbv #	18

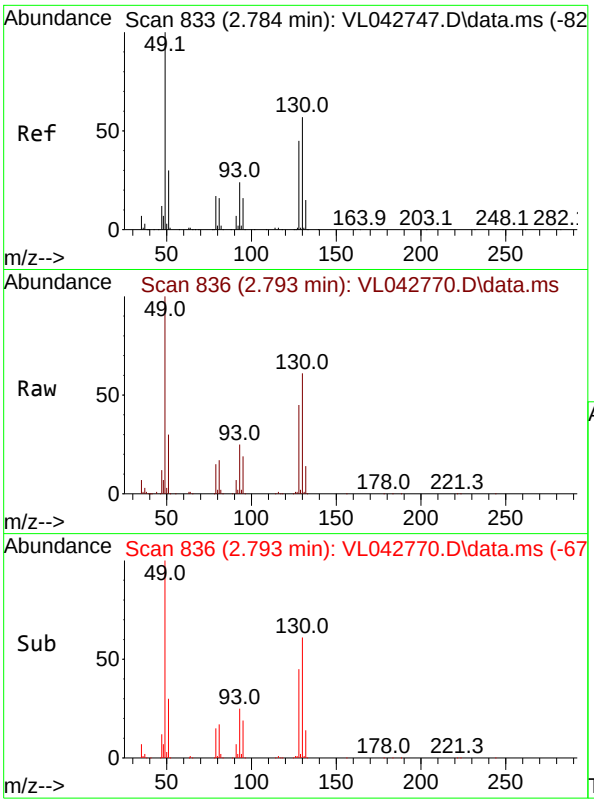
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042770.D
Acq On : 24 Jul 2025 18:05
Operator : SY/MD
Sample : Q2671-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Quant Time: Jul 25 01:30:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



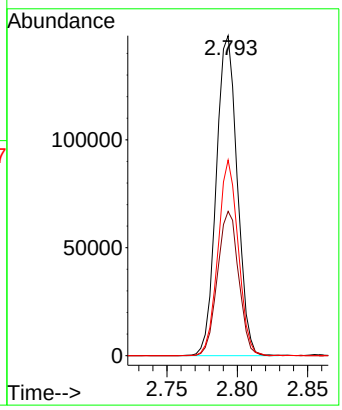


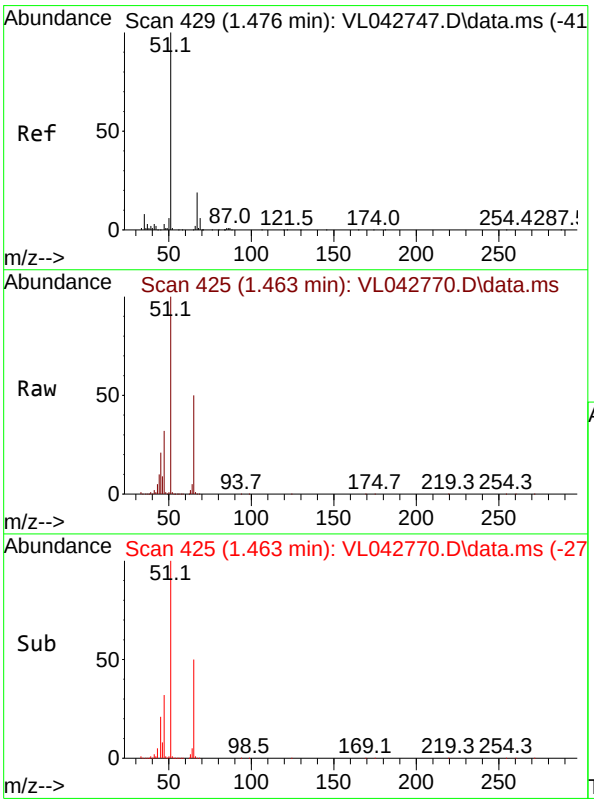
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.009 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 49 Resp: 153526

Ion	Ratio	Lower	Upper
49	100		
128	45.7	23.6	71.0
130	58.9	30.3	90.8

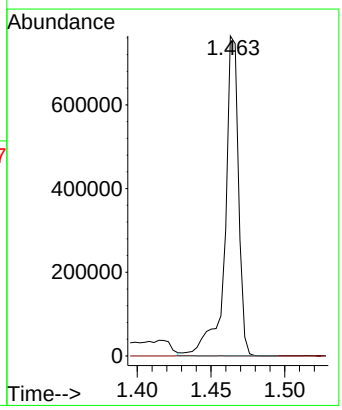


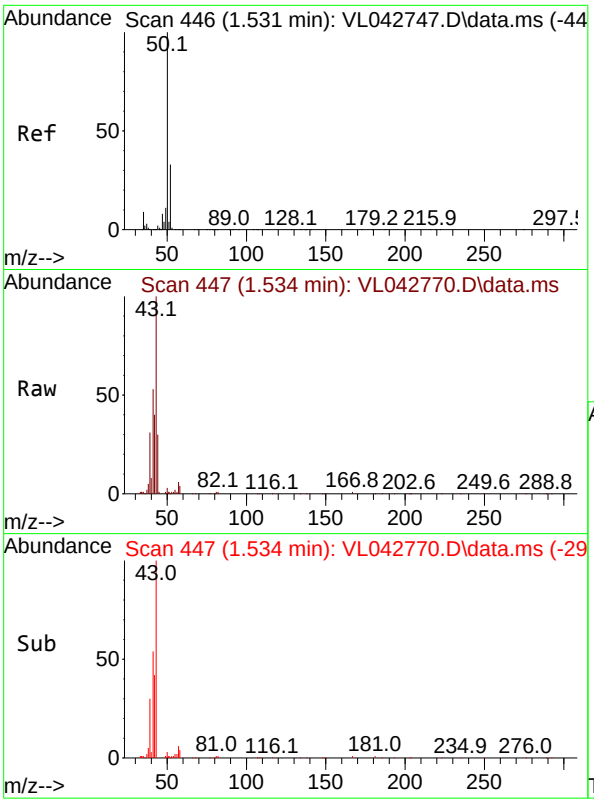


#3
Chlorodifluoromethane
Concen: 18.457 ppbv
RT: 1.463 min Scan# 425
Delta R.T. -0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 51 Resp: 488053

Ion	Ratio	Lower	Upper
51	100		
67	0.0	15.0	22.6#



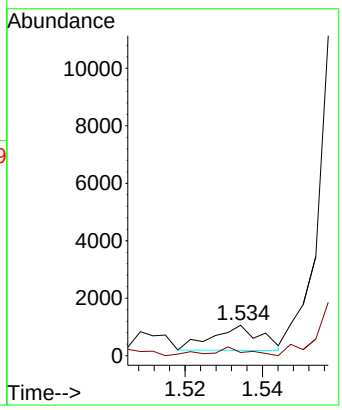


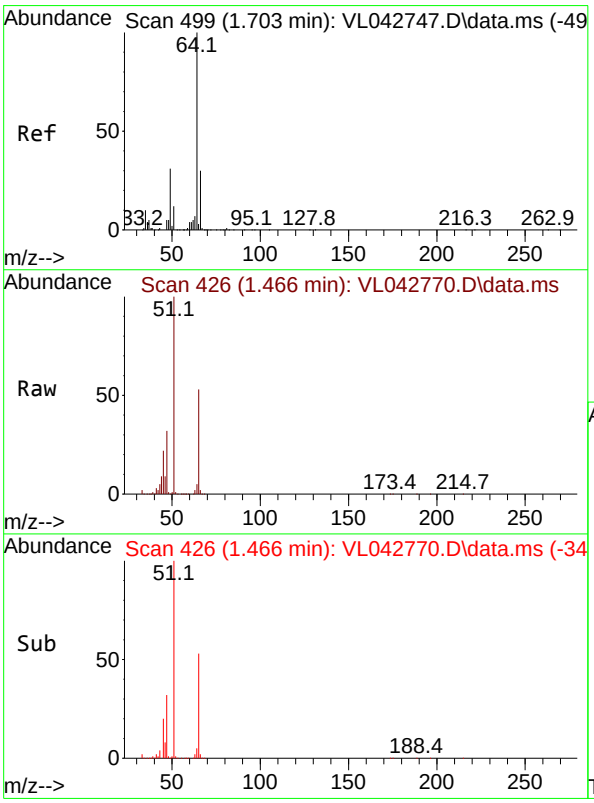
#4
Chloromethane
Concen: 0.092 ppbv
RT: 1.534 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 50 Resp: 753

Ion	Ratio	Lower	Upper
50	100		
52	42.5	26.6	40.0#

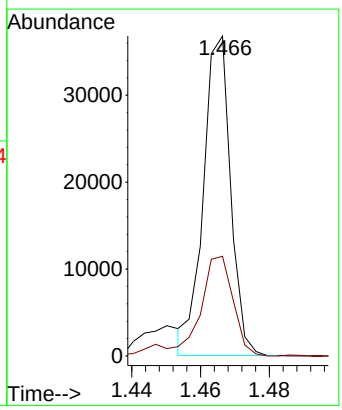


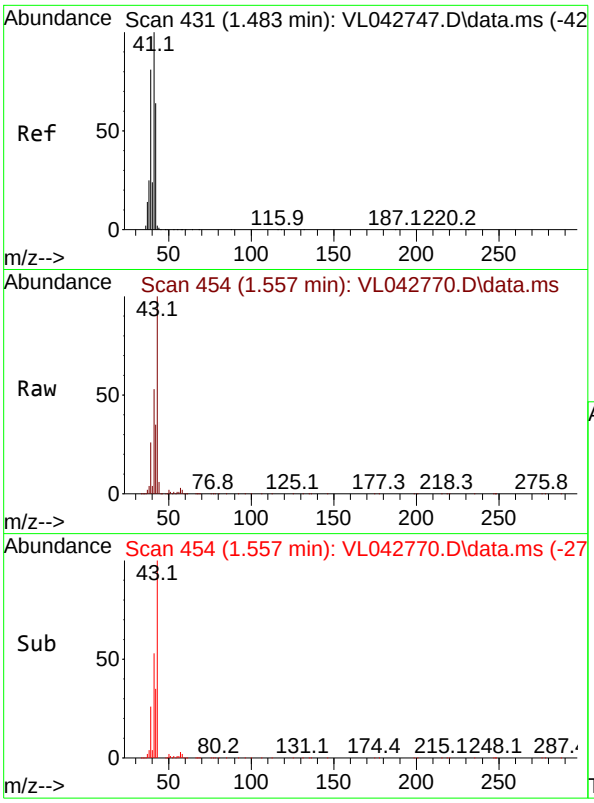


#7
Chloroethane
Concen: 6.448 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 64 Resp: 20213

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.1	36.1



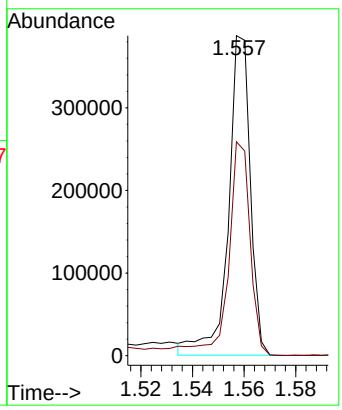


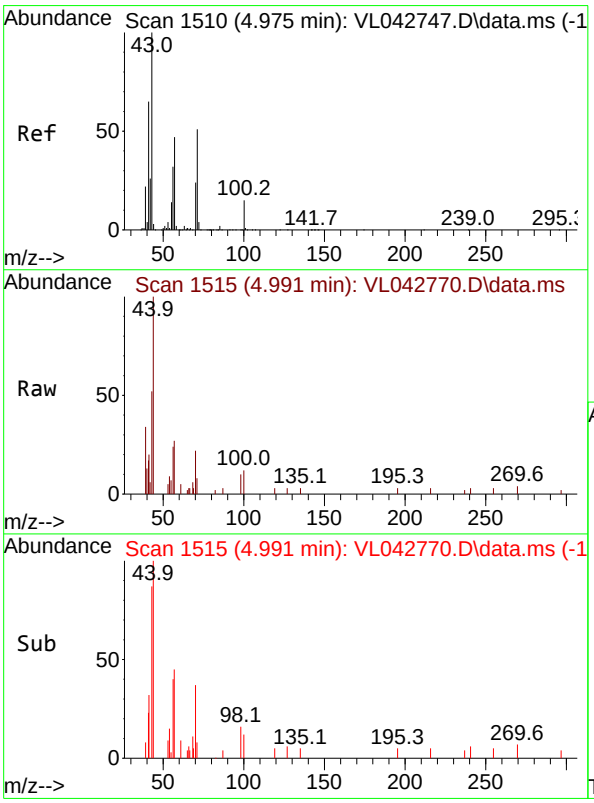
#9
Propene
Concen: 23.808 ppbv
RT: 1.557 min Scan# 4
Delta R.T. 0.074 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 41 Resp: 228800

Ion	Ratio	Lower	Upper
41	100		
42	68.8	53.2	79.8

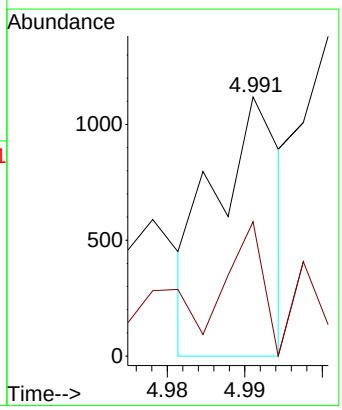


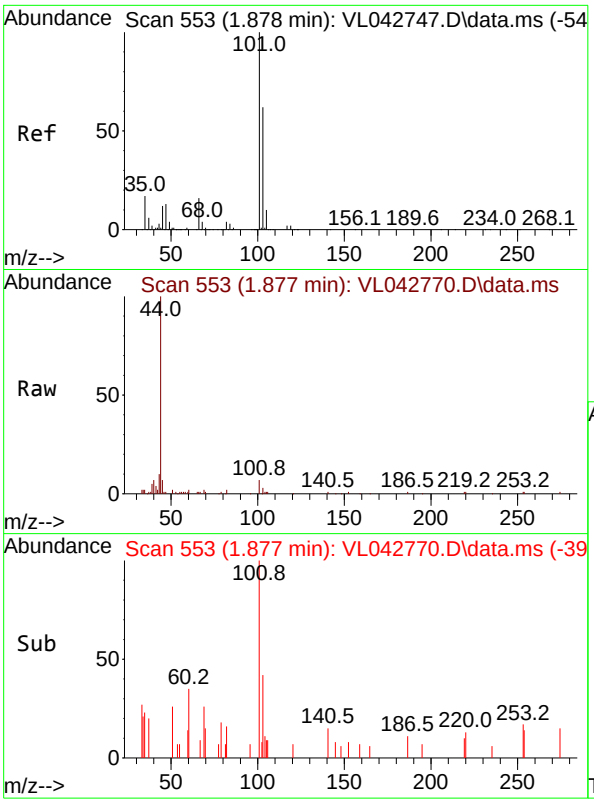


#10
Heptane
Concen: 0.026 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.016 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 43 Resp: 662

Ion	Ratio	Lower	Upper
43	100		
57	64.8	39.9	59.9#



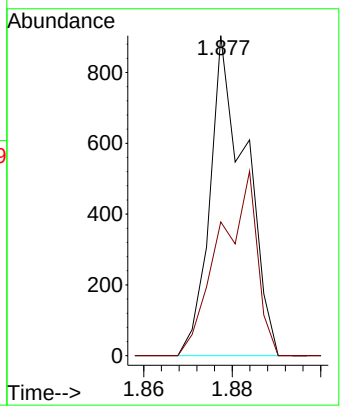


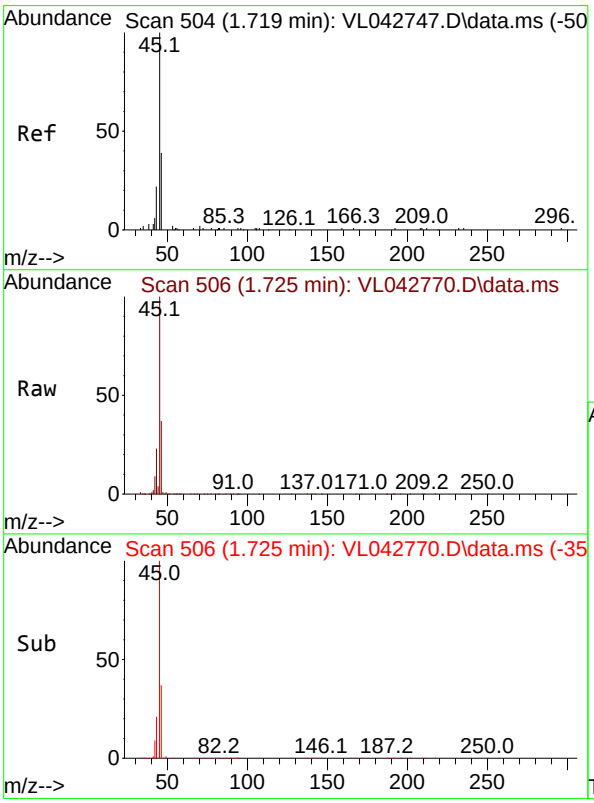
#11
Trichlorofluoromethane
Concen: 0.024 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion:101 Resp: 508

Ion	Ratio	Lower	Upper
101	100		
103	41.8	49.6	74.4#

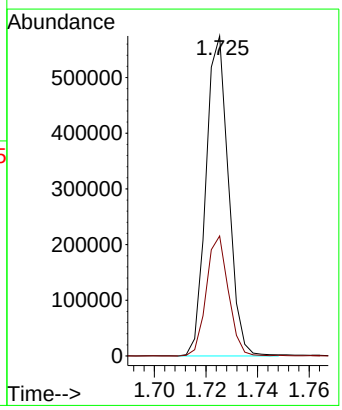


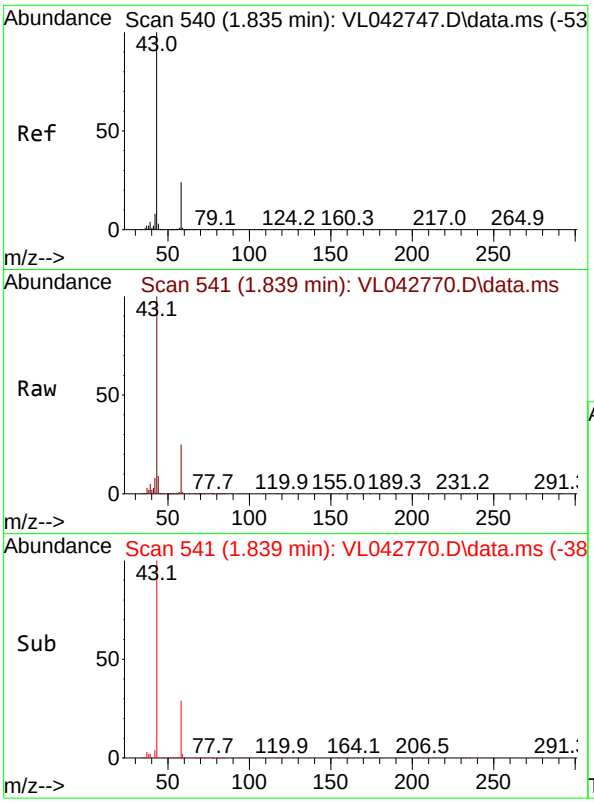


#13
Ethanol
Concen: 496.065 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 45 Resp: 347930

Ion	Ratio	Lower	Upper
45	100		
46	37.0	17.8	71.4



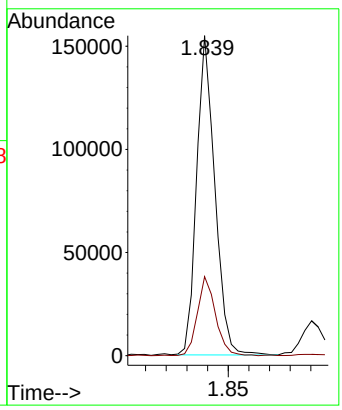


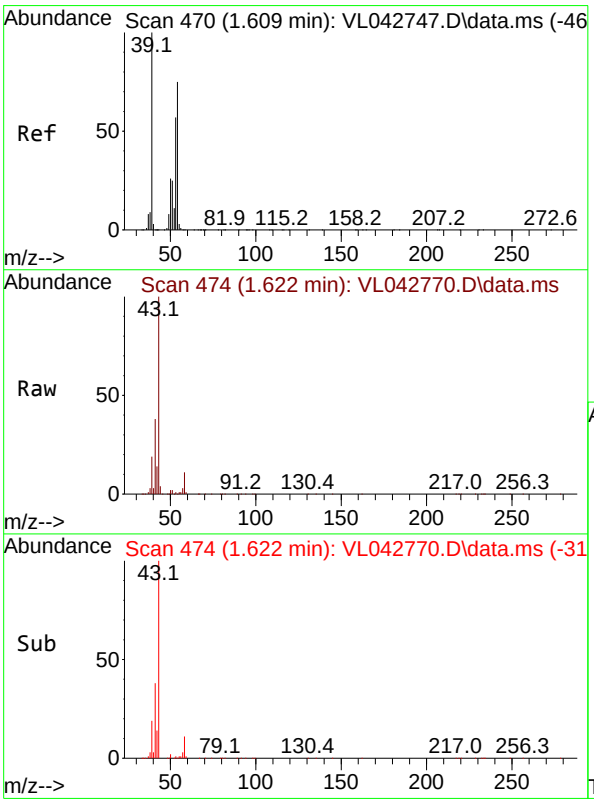
#15
Acetone
Concen: 4.472 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 43 Resp: 94811

Ion	Ratio	Lower	Upper
43	100		
58	25.1	19.8	29.8

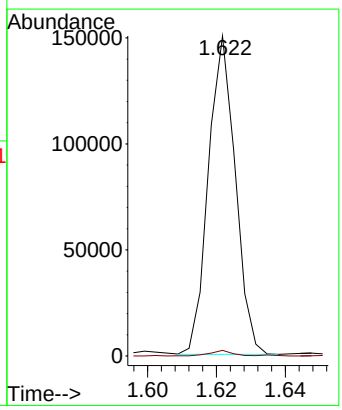


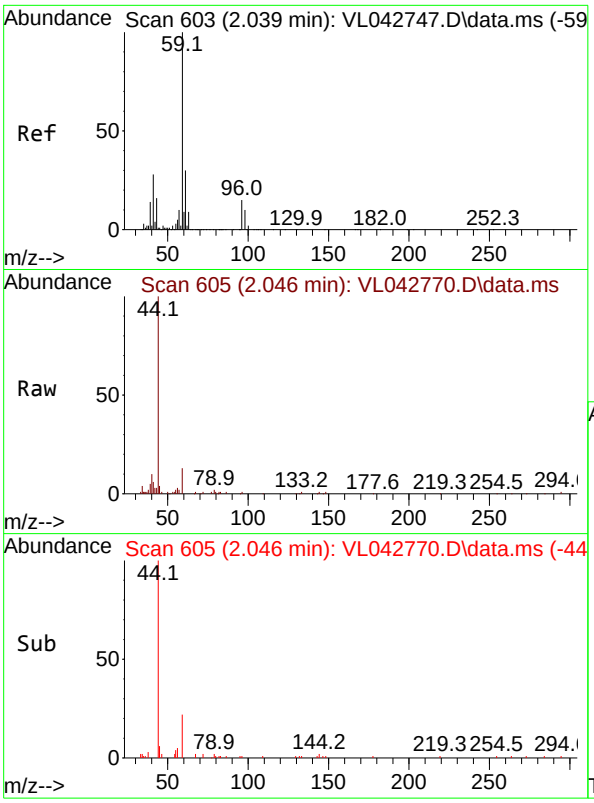


#16
1,3-Butadiene
Concen: 9.047 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 39 Resp: 81810

Ion	Ratio	Lower	Upper
39	100		
54	1.7	54.5	81.7#



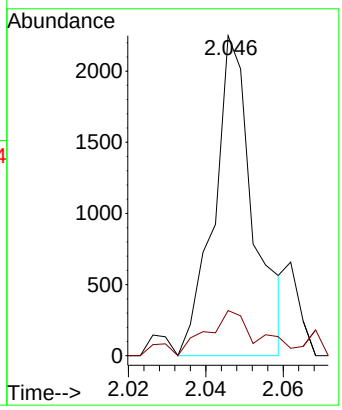


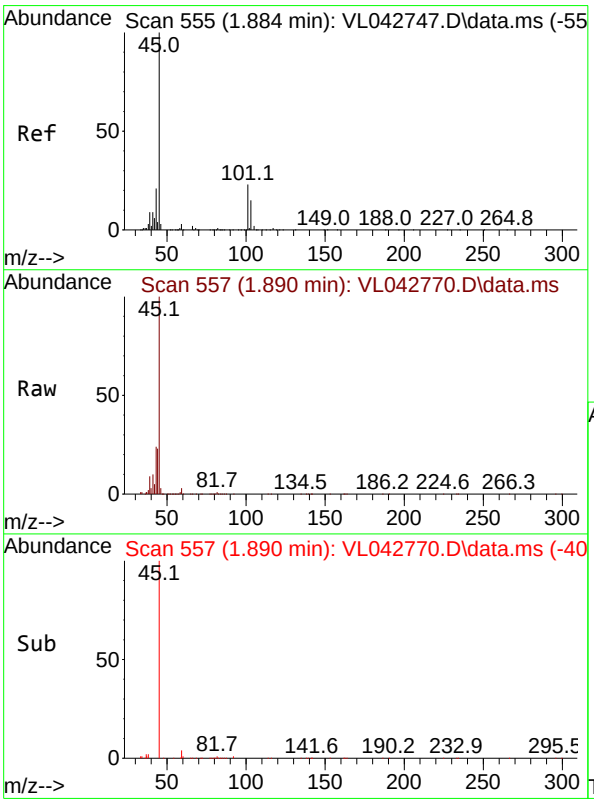
#17
tert-Butyl alcohol
Concen: 0.083 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 59 Resp: 1578

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

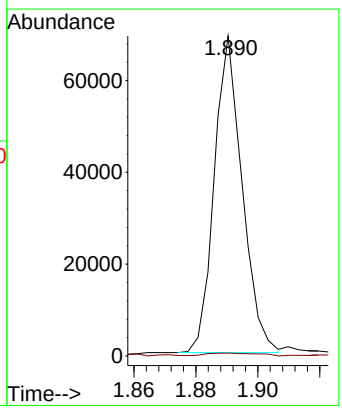


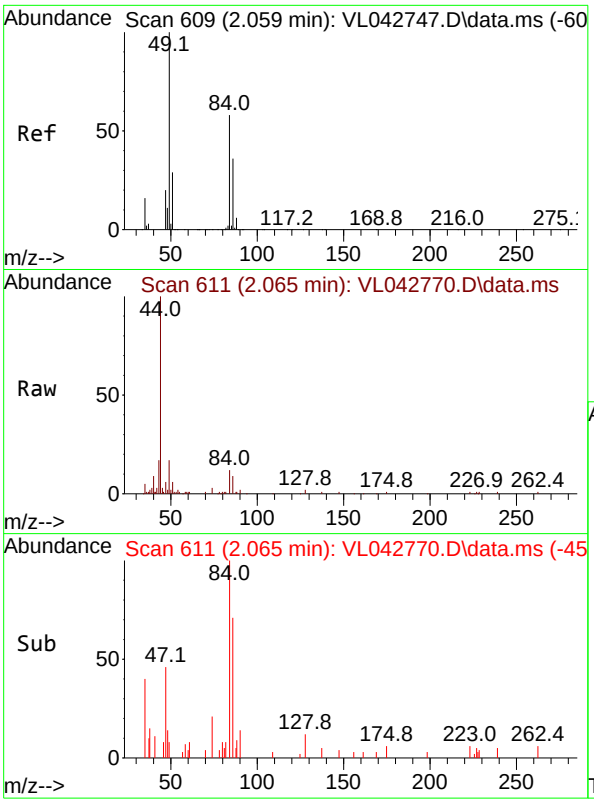


#19
Isopropyl Alcohol
Concen: 3.822 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 45 Resp: 43059

Ion	Ratio	Lower	Upper
45	100		
58	55.2	30.0	45.0#



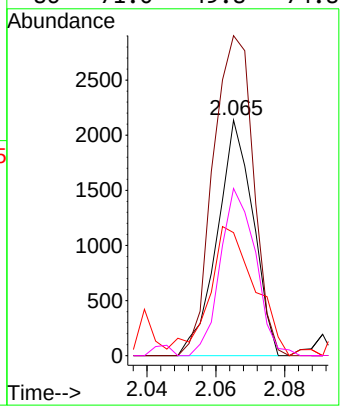


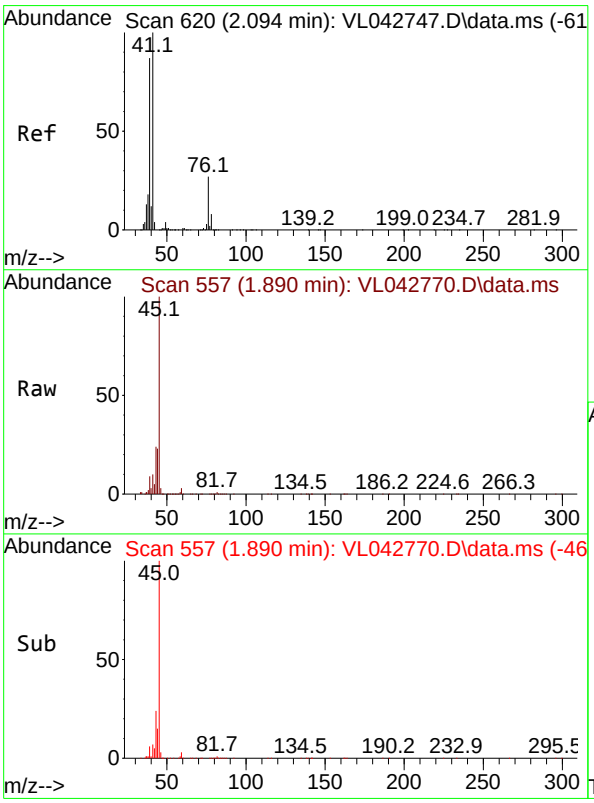
#20
Methylene Chloride
Concen: 0.232 ppbv
RT: 2.065 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 84 Resp: 1548

Ion	Ratio	Lower	Upper
84	100		
49	135.9	138.6	208.0#
51	44.9	40.6	61.0
86	71.0	49.8	74.8

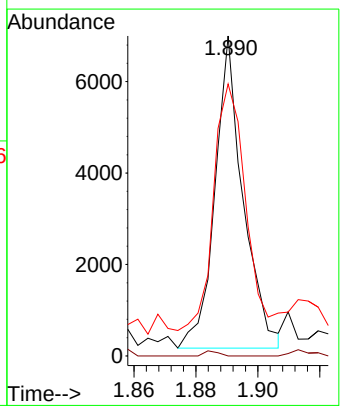


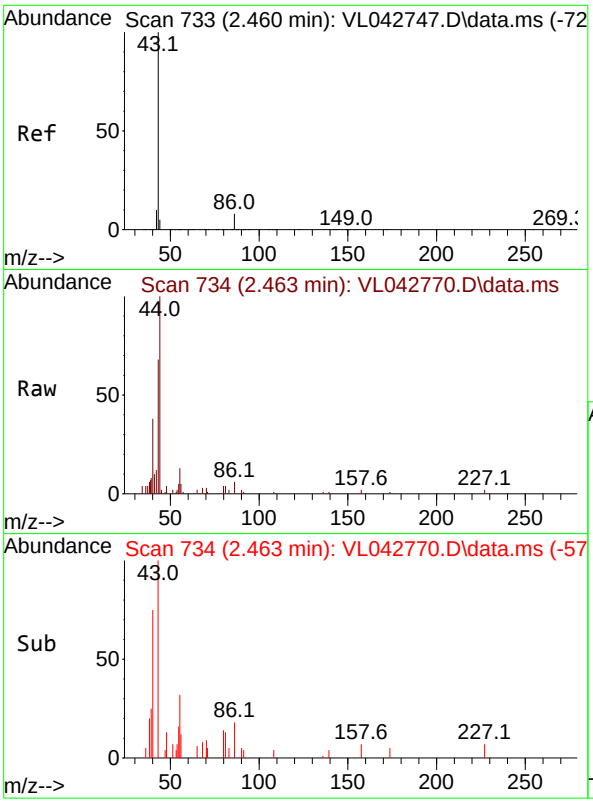


#21
Allyl Chloride
Concen: 0.330 ppbv
RT: 1.890 min Scan# 557
Delta R.T. -0.204 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 41 Resp: 4310

Ion	Ratio	Lower	Upper
41	100		
76	2.7	21.1	31.7#
39	0.0	68.3	102.5#



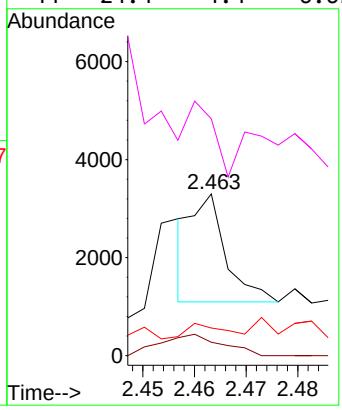


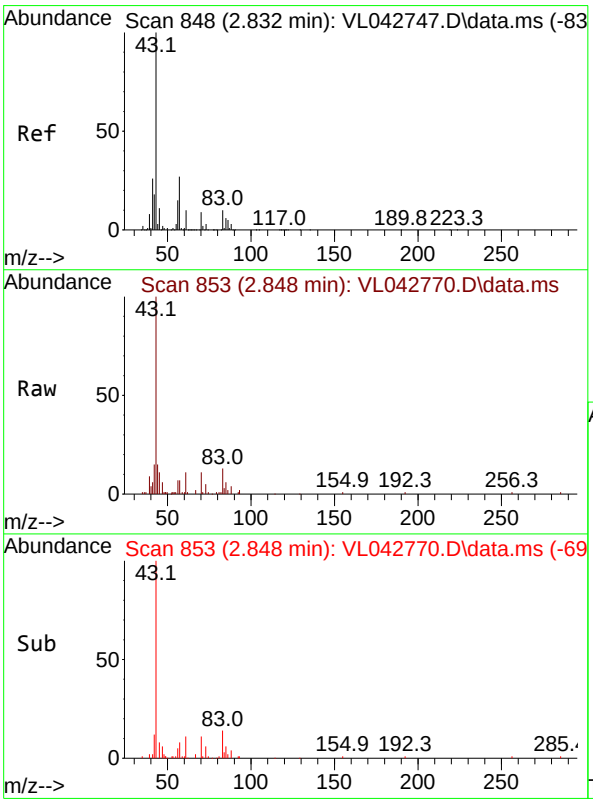
#23
Vinyl Acetate
Concen: 0.040 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 43 Resp: 1017

Ion	Ratio	Lower	Upper
43	100		
86	12.4	6.1	9.1#
42	8.0	7.8	11.8
44	24.4	4.4	6.6#

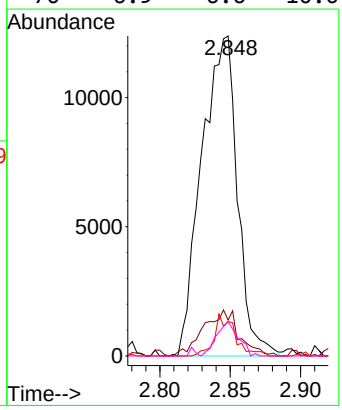


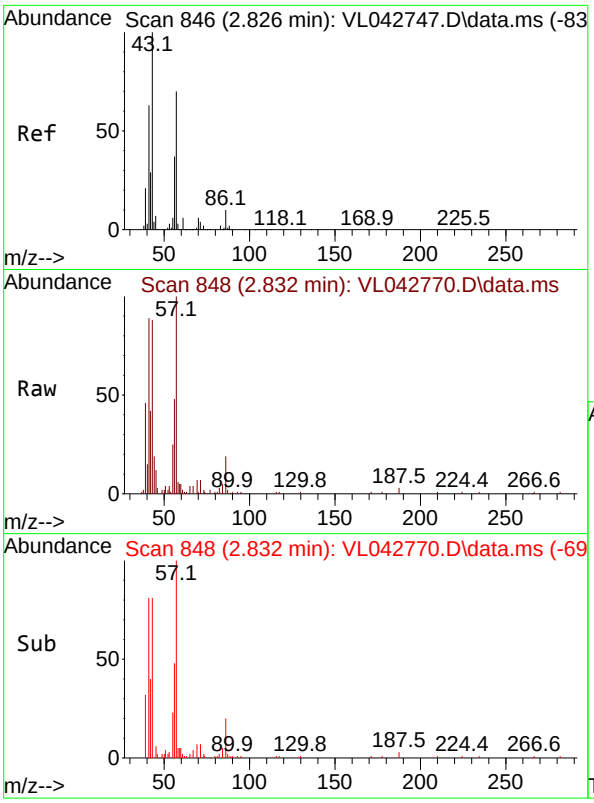


#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.016 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 43 Resp: 21871

Ion	Ratio	Lower	Upper
43	100		
45	15.0	7.8	11.6#
61	7.6	6.7	10.1
70	6.9	6.6	10.0



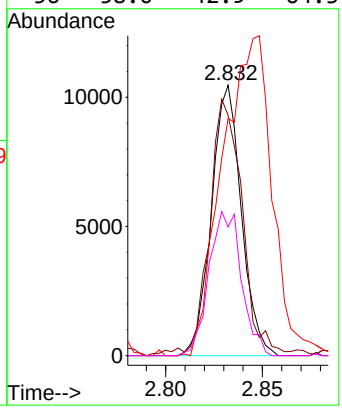


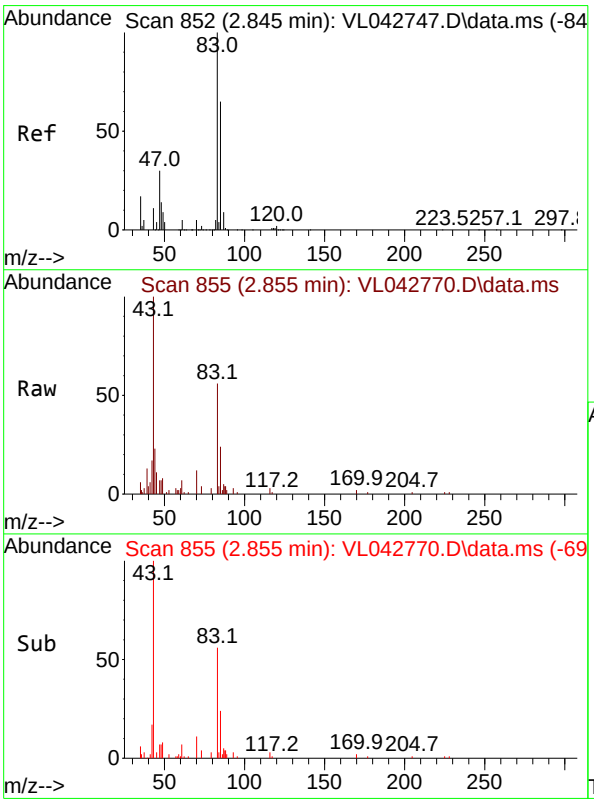
#26
Hexane
Concen: 0.546 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 57 Resp: 11237

Ion	Ratio	Lower	Upper
57	100		
41	104.7	75.4	113.2
43	196.4	185.0	277.6
56	58.0	42.9	64.3

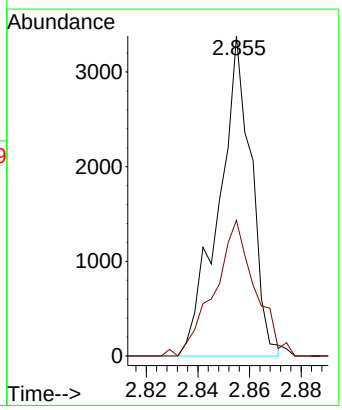


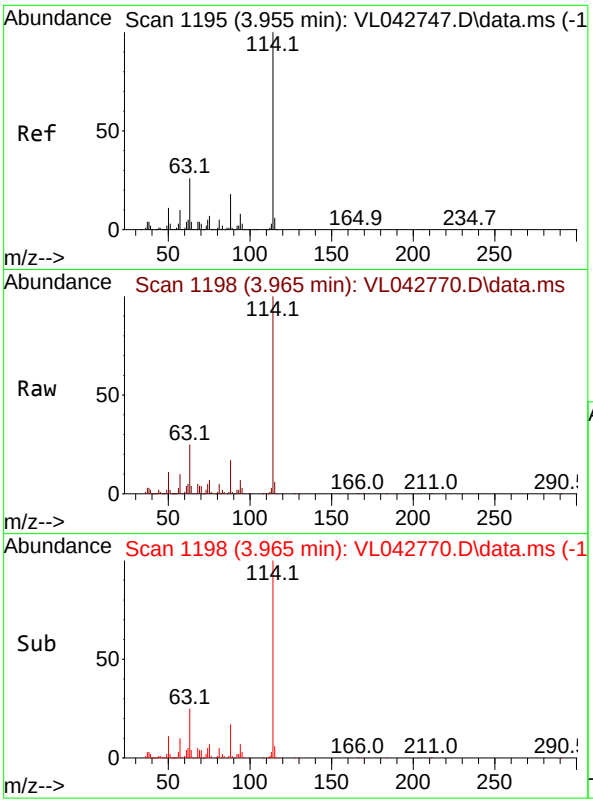


#29
Chloroform
Concen: 0.093 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 83 Resp: 2959

Ion	Ratio	Lower	Upper
83	100		
85	42.4	52.2	78.2#



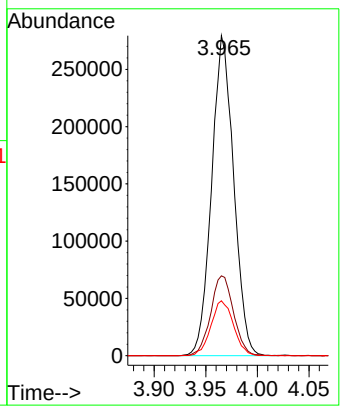


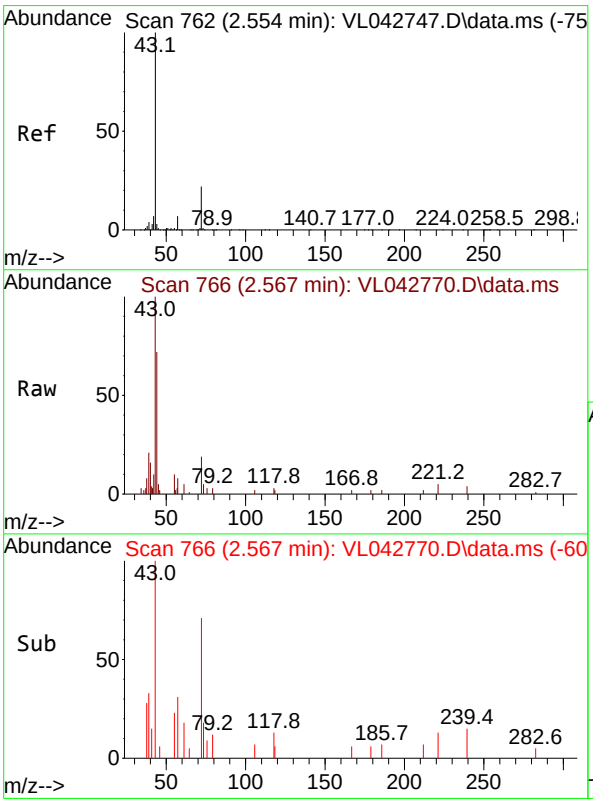
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion:114 Resp: 414561

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.5	30.7
88	17.6	14.0	21.0

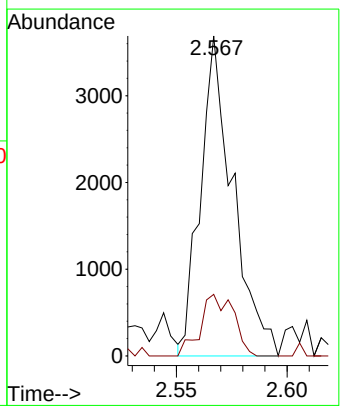


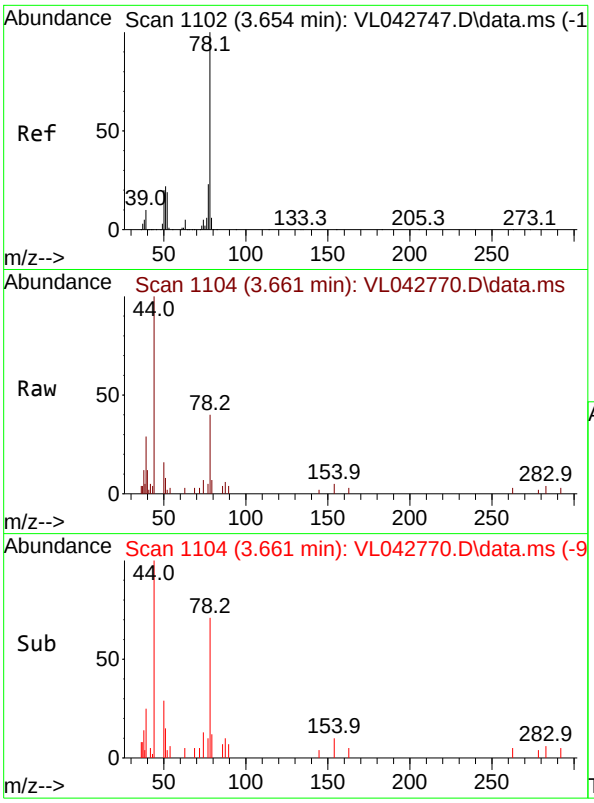


#34
2-Butanone
Concen: 0.128 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 43 Resp: 3750

Ion	Ratio	Lower	Upper
43	100		
72	19.7	17.4	26.0



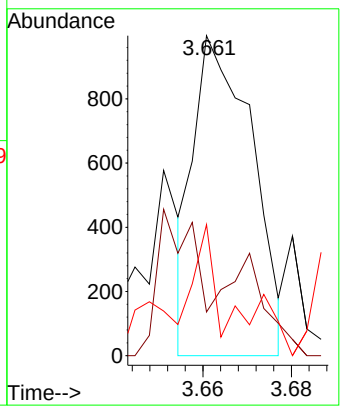


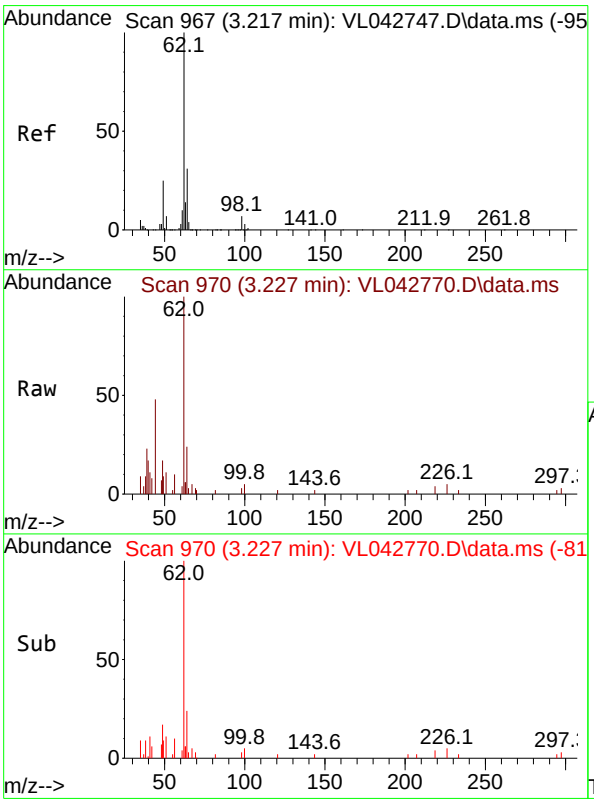
#36
Benzene
Concen: 0.023 ppbv
RT: 3.661 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 78 Resp: 912

Ion	Ratio	Lower	Upper
78	100		
77	4.3	18.5	27.7#
50	38.0	16.2	24.2#

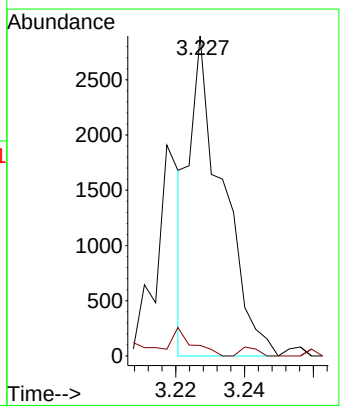


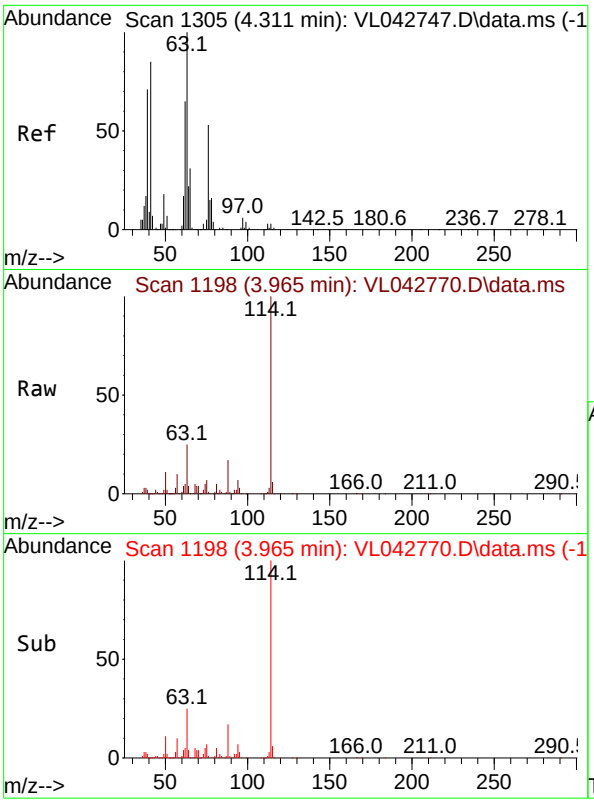


#37
1,2-Dichloroethane
Concen: 0.082 ppbv
RT: 3.227 min Scan# 970
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 62 Resp: 1943

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#



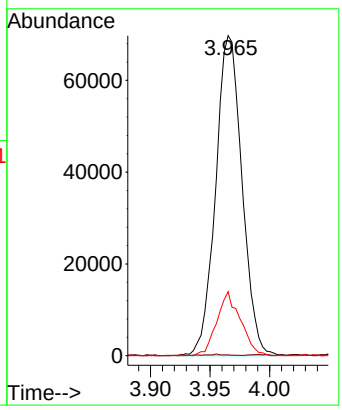


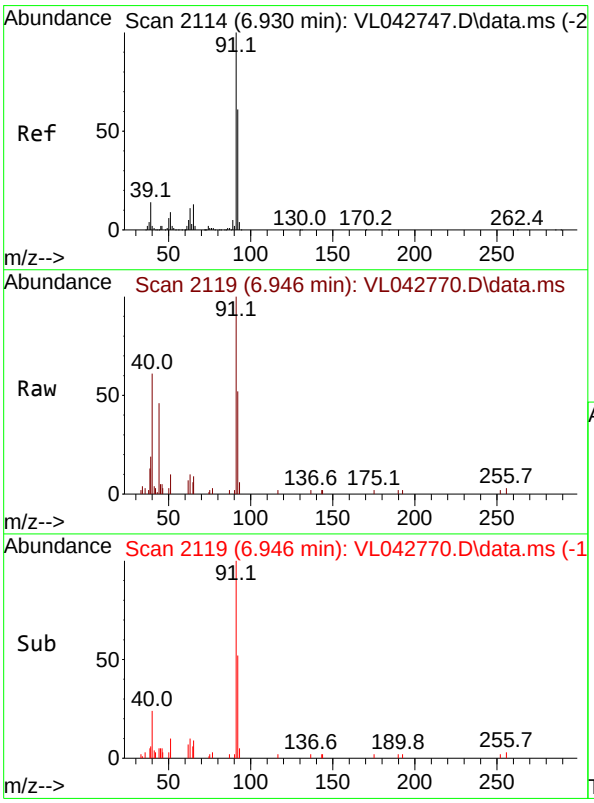
#39
1,2-Dichloropropane
Concen: 7.398 ppbv
RT: 3.965 min Scan# 1
Delta R.T. -0.346 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 63 Resp: 107291

Ion	Ratio	Lower	Upper
63	100		
41	0.1	68.2	102.4#
62	20.0	52.0	78.0#

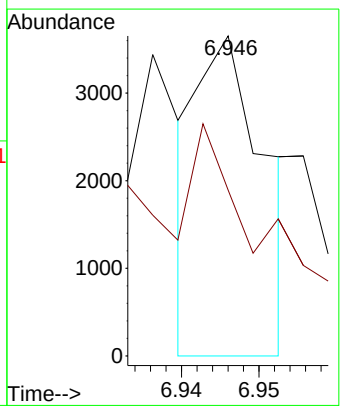


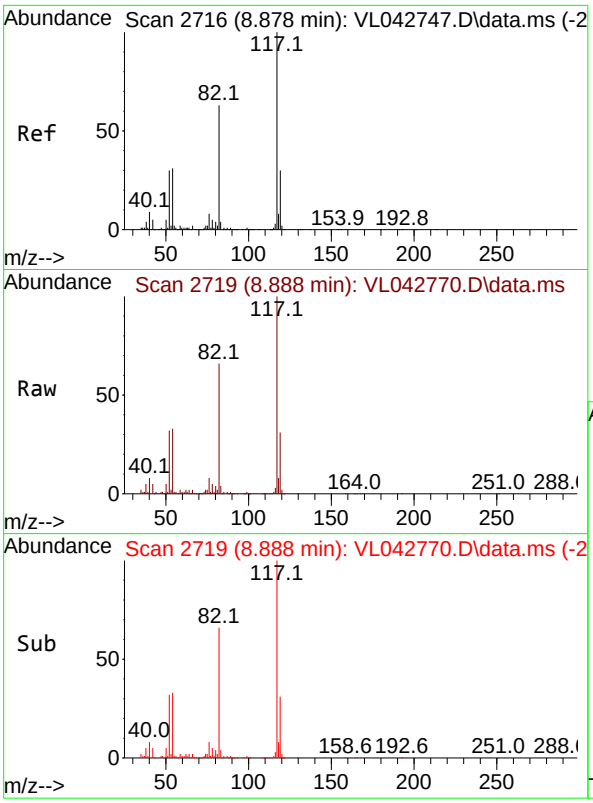


#53
Toluene
Concen: 0.052 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion: 91 Resp: 2214

Ion	Ratio	Lower	Upper
91	100		
92	183.5	48.0	72.0#



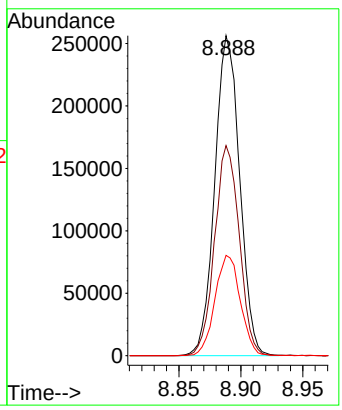


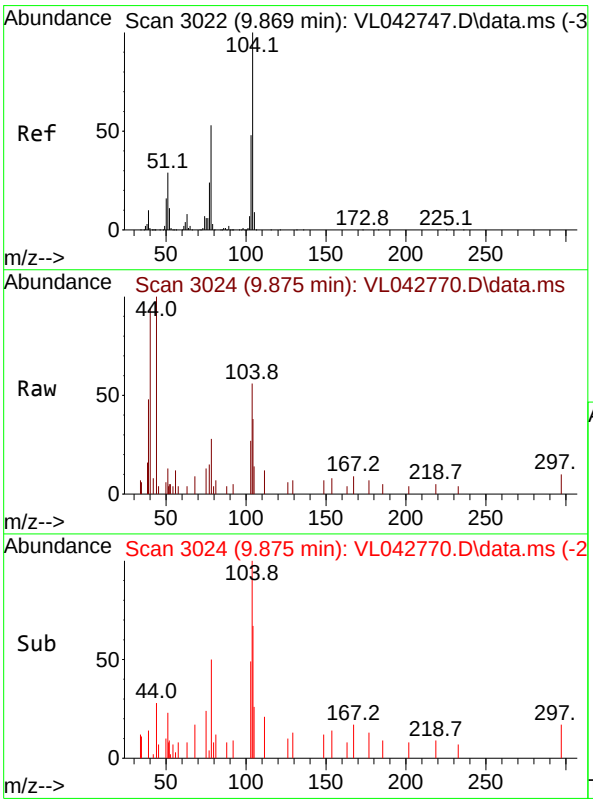
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion:117 Resp: 358888

Ion	Ratio	Lower	Upper
117	100		
82	65.1	53.3	79.9
119	32.1	25.8	38.6

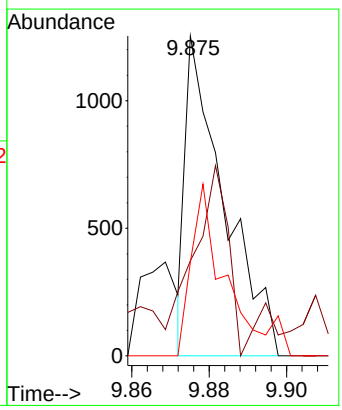


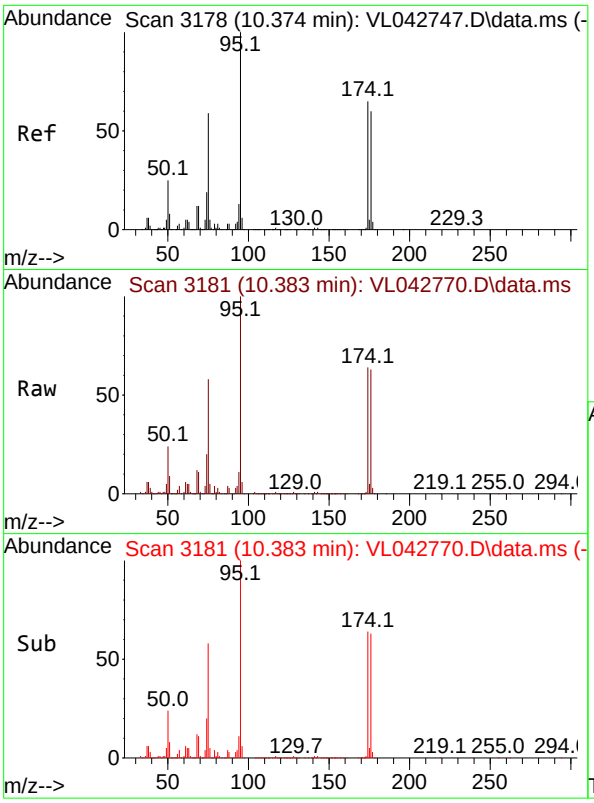


#61
Styrene
Concen: 0.046 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:104 Resp: 872

Ion	Ratio	Lower	Upper
104	100		
78	90.3	41.5	62.3#
103	48.3	37.5	56.3



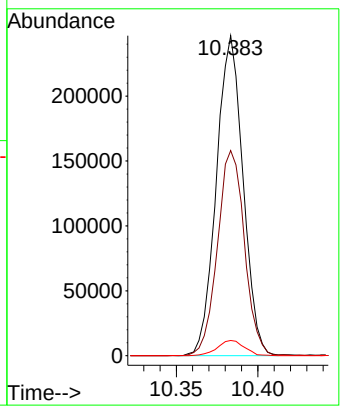


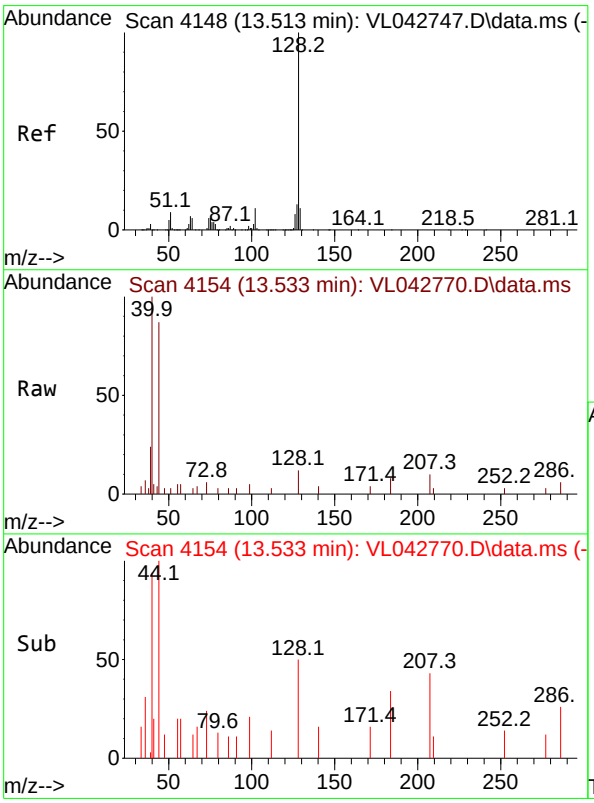
#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 10.383 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion: 95 Resp: 280181

Ion	Ratio	Lower	Upper
95	100		
174	65.2	53.8	80.6
175	4.9	4.0	6.0

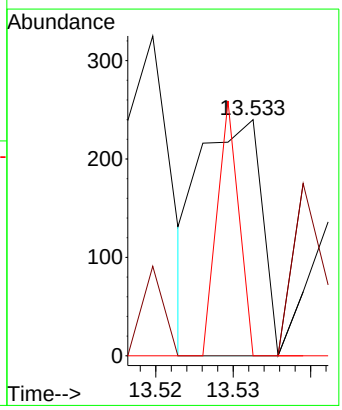


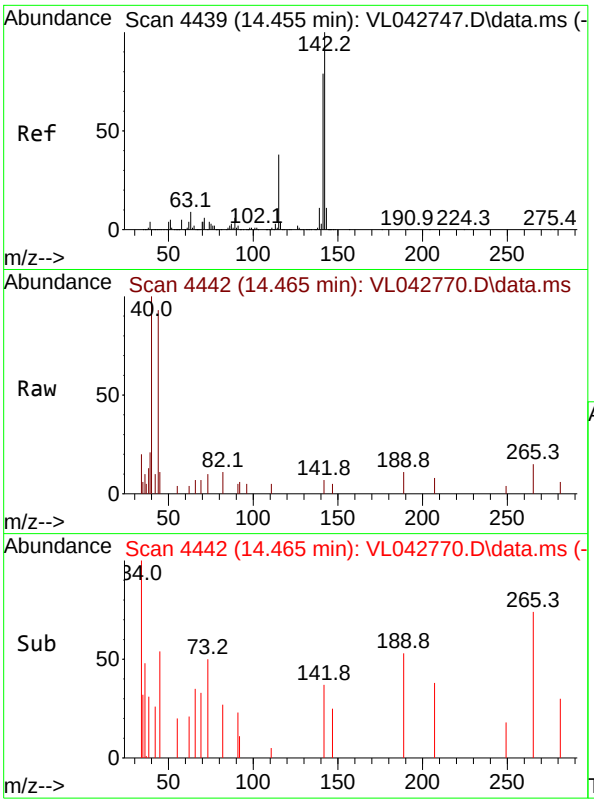


#79
Naphthalene
Concen: 0.437 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.019 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:128 Resp: 131

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#



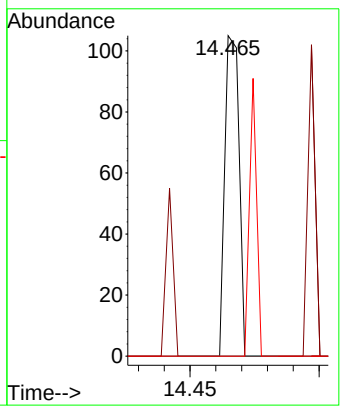


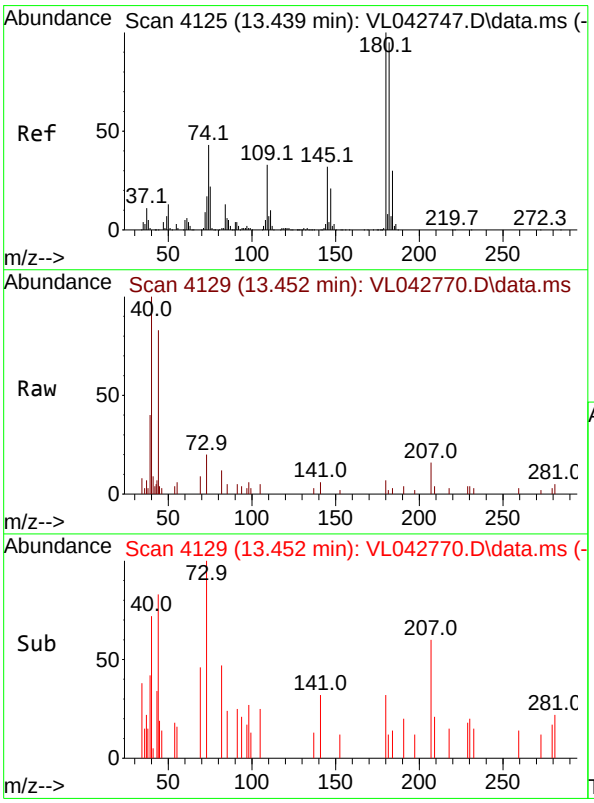
#80
Naphthalene,2-methyl-
Concen: 1.130 ppbv
RT: 14.465 min Scan# 44
Delta R.T. 0.010 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :
118-IA-2DL

Tgt Ion:142 Resp: 40

Ion	Ratio	Lower	Upper
142	100		
141	0.0	65.8	98.8#
115	45.0	31.2	46.8





#81
1,2,4-Trichlorobenzene
Concen: 0.437 ppbv
RT: 13.452 min Scan# 4129
Delta R.T. 0.013 min
Lab File: VL042770.D
Acq: 24 Jul 2025 18:05

Tgt Ion:180 Resp: 51

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	49.0	24.8	37.2#