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

Cover Page

Order ID : Q2317

Project ID : Yellow Cab - TO-15

Client : RTP Environmental

Lab Sample Number	Client Sample Number
Q2317-01	AA-3
Q2317-02	115-IA-1
Q2317-03	115-IA-2
Q2317-04	115-SG1
Q2317-05	115-SG2

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 : ______________________

Date: 6/23/2025

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. : Q2317

Client Contact Information	Bottle Order ID : **B2505058**	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	
	Phone Number : **732-968-9600**		
Address : **239 US Highway 22 East**	Fax Number :		
	Site Details: Bayonne, NJ	Batch Certified	
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** OR	Data Package Type : NJ Full	
Country :	Rush (Specify): ____ Days	EDD Type : NJ HazSite 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		
AA-3	6-11-25 to 6-12-25	10:56	10:56	-30	-5	76	83	**-30**	-5.9	**10713**	**10588**	**6 L**	**4.16**	**VL042485.D**	X				X			

Temperature (Fahrenheit)

	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [signature]

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: Sam	Date/Time: 6/09/25	Canisters Received by: Chris Wolski	Date/Time: 6/10/25
Samples Relinquished by: CW	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: CP	Date/Time: 6/12/25 1355

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

Alliance Project No. : Q2317

Client Contact Information	Bottle Order ID : B2505058	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	
	Phone Number : 732-968-9600	Individual Certified	
Address : 239 US Highway 22 East	Fax Number :		
	Site Details:		
City : Green Brook			
State : NJ	Analysis Turnaround Time		
Zip Code : 08812	Standard : 10 business days OR	Data Package Type : SAME AS PAGE 1	
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		
~~115-IA1~~ 115-IA 1	6-11-25 to 6-12-25	11:08	10:57	-30	-2	72	72	-30	-4.7	10236	10492	6 L	4.16	VL042485.D	X				X			

Temperature (Fahrenheit)				
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [signature]

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: Sam	Date/Time: 06/09/25	Canisters Received by: CW	Date/Time: 6/10/25
Samples Relinquished by: CW	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: CR	Date/Time: 6/12/25 1355

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

Alliance Project No. : Q2317

Client Contact Information	Bottle Order ID : **B2505058**	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	
	Phone Number : **732-968-9600**		
Address : **239 US Highway 22 East**	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		
US-IA 2	6-11-25 to 6-12-25	11:13	11:03	-23	-1	72	72	**-30**	-1.8	**10207**	**10198**	**6 L**	**4.16**	**VL042330.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: Sam	Date/Time: 6/9/25	Canisters Received by: CW	Date/Time: 6/10/25
Samples Relinquished by: CW	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: CP	Date/Time: 6/12/25 1355

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

Alliance Project No. : Q237

Client Contact Information	Bottle Order ID : **B2505058**	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	
	Phone Number : **732-968-9600**		
Address : **239 US Highway 22 East**	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		
115-SG1	6/12/25	11:40	11:50	-30	-7	72	72	**-30**	-8.0	**10202**	**10601**	**6 L**	**100**	**VL042485.D**	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [signature]

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: 06/09/25	Canisters Received by: CW	Date/Time: 6/10/25	
Samples Relinquished by: CW	Date/Time:	Received by:	Date/Time:	B2505058 - 9
Relinquished by:	Date/Time:	Received by: CP	Date/Time: 6/12/25 1355	

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

Alliance Project No. : Q2317

Client Contact Information	Bottle Order ID : **B2505058**	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	
	Phone Number : **732-968-9600**		
Address : **239 US Highway 22 East**	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		
5 SG2	6-12-25	11:43	11:53	-27	-2	72	72	-30	-6.7	10241	10315	6 L	100	VL042485.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: Sam	Date/Time: 06/09/25	Canisters Received by: CW	Date/Time: 6/10/25
Samples Relinquished by: CW	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by: CP	Date/Time: 6/12/25 / 1355

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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

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
GORGE
Field Sample Seal No.: Q2317
Case No.: Yellow Cab - TO-15

Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Date Broken: 6/12/2025
Analytical Parameter/Fraction: TO-15
Military Time Seal Broken: 13:55:00

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q2317-01	AA-3		
Q2317-02	115-IA-1		
Q2317-03	115-IA-2		
Q2317-04	115-SG1		
Q2317-05	115-SG2		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
6/13	1100	Signature	Signature	
		Printed Name GORGE NESLOE	Printed Name Samarthy [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: [signature] Supervisor Signature: [signature]

METHOD: TO-15 Pressure Gauge ID: A755971

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
04/30/25	Q1927-01	10197	10.9	-7.8				sy
↓	Q1927-02	10267	12.0	-5.5				sy
	Q1927-03	10283	11.4	-6.7				↓
	Q1927-04	10320	11.8	-5.9				
	Q1927-05	10445	11.0	-7.5				
↓	Q1927-06	10607	13.6	-2.2				↓
04/28/25	Q1908-01	10598	11.6	-6.3				sy
↓	Q1908-02	10595	12.0	-5.5				↓
	Q1908-03	10297	12.2	-5.1				
05/12/25	Q2011-01	10154	11.2	-71				sy
↓	Q2011-02	10599	12.0	-5.5				↓
5/12/25	Q2037-01	10609	12.0	-5.5				sy
"	Q2037-02	10285	12.0	5.5				sy
05/23/25	Q2124-01	10334	12.0	-5.5				sy
↓	Q2124-02	10439	11.4	-6.7				↓
	Q2124-03	10329	12.0	-5.5				
06/12/25	Q2317-01	10588	11.8	-5.9				sy
↓	Q2317-02	10492	12.4	-4.7				↓
	Q2317-03	10198	13.8	-1.8				
	Q2317-04	10601	10.8	-8.0				
	Q2317-05	10315	11.4	-6.7				

10588
-5.9

CHEMTECH

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

Client Sample ID #: AA-3
Client Name : RTP Environmental
Project Name: Yellow Cab
Date: 6/11/25-6/12/25 Time: 10:56 to 10:56
Analysis: TO-15
Comments: Ambient Air

CHEMTECH'S SAMPLE ID:
Date Received: Expirati

Storage Location: D41
Sample: Q2317-01
Cust #: AA-3

858

10492
-4.7

CHEMTECH

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

Client Sample ID #: 115-IA1
Client Name : RTP
Project Name: Yellow Cab
Date: 6-11-25 to 6-12-25 Time: 10:08 to 10:58
Analysis: TO-15
Comments: Indoor Air

CHEMTECH'S SAMPLE ID:
Date Received: Expiratio

Storage Location: D41
Sample: Q2317-02
Cust #: 115-IA-1

858

CHEMTECH

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

8.1

Client Sample ID #: 115-IA2
Client Name : RTP
Project Name: Yellow cab
Date: 6-11-25 to 6-12-25 Time: 11:13 to 11:03
Analysis: TO-15
Comments: Indoor air

CHEMTECH'S SAMPLE ID:
Date Received: Expiration D

Storage Location: D41
Sample: Q2317-03
Cust #: 115-IA-2

858

80101

-6.7

10315

CHEMTECH

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

Client Sample ID #: ~~10315G-2~~ 115-SG2

Client Name: RTP

Project Name: Yellow cab

Date: 6/12/25 Time: 11:43 to 12:43

Analysis: TO-15

Comments: bedroom 2

CHEMTECH'S SAMPLE ID:

Date Received: Expirat

Storage Location: D41

Sample: Q2317-05

Cust #: 115-SG2

SSCB

-8.0

10601

CHEMTECH

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

Client Sample ID #: 115-SG1

Client Name: RTP

Project Name: Yellow cab

Date: 6/12/25 Time: 11:40 to 12:40

Analysis: TO-15

Comments: bedroom 1

CHEMTECH'S SAMPLE ID:

Date Received: Expiratic

Storage Location: D41

Sample: Q2317-04

Cust #: 115-SG1

SSCB

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 # Q2317
Test Name: TO-15

A. Number of Samples and Date of Receipt:
5 Air samples were received on 06/12/2025.

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 met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {Q2317-01DUP} with File ID: VL042627.D met criteria except for Ethyl Benzene[200%] due to difference in results of original and DUP.

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

Due to potential high concentration of target analytes, Samples 115-SG1, 115-SG2 were initially diluted.

Samples 115-IA-1, 115-IA-2 were diluted due to high concentrations.

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E. Additional Comments:

The Sample #AA-3, 115-IA-1DL, 115-IA-2, 115-IA-2DL, 115-SG1 and 115-SG2 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	VL052925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042579.D	Ethanol	SAM	5/30/2025 7:46:58 AM	MMDadoda	5/30/2025 12:25:20 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL042579.D	m/p-Xylene	SAM	5/30/2025 7:46:58 AM	MMDadoda	5/30/2025 12:25:20 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042580.D	1,4-Dioxane	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042580.D	Ethanol	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042580.D	m/p-Xylene	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042580.D	Methyl Methacrylate	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software

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							incorrectly
VSTDICC002	VL042580.D	t-1,3-Dichloropropene	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	1,1,2-Trichloroethane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	1,4-Dioxane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	2,2,4-Trimethylpentane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	cis-1,3-Dichloropropene	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	Heptane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	m/p-Xylene	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042581.D	t-1,3-Dichloropropene	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	1,1,2-Trichloroethane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly

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Phone: 908 789 8900 Fax: 908 789 8922

VSTDICC0.5	VL042582.D	1,2-Dichloropropane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	1,4-Dioxane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	4-Methyl-2-Pentanone	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	Benzyl Chloride	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	cis-1,3-Dichloropropene	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	Cyclohexane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	Dibromochloromethane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	Ethanol	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042582.D	m/p-Xylene	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042583.D	1,2-Dibromoethane	SAM	5/30/2025	MMDadoda	5/30/2025 12:25:28	Peak Integrate

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

				7:48:14 AM		PM	d by Software incorrectly
VSTDICC0.1	VL042583.D	Naphthalene	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042583.D	Tetrachloroethene	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042583.D	Trichloroethene	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042584.D	1,1,1-Trichloroethane	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042584.D	Carbon Tetrachloride	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042584.D	Tetrachloroethene	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042584.D	Trichloroethene	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL042585.D	Ethanol	SAM	5/30/2025 7:48:19 AM	MMDadoda	5/30/2025 12:25:32 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL042585.D	m/p-Xylene	SAM	5/30/2025 7:48:19 AM	MMDadoda	5/30/2025 12:25:32 PM	Peak Integrated by Software

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							incorrectly
VSTDICV010	VL042586.D	Ethanol	SAM	5/30/2025 7:48:25 AM	MMDadoda	5/30/2025 12:25:34 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042586.D	m/p-Xylene	SAM	5/30/2025 7:48:25 AM	MMDadoda	5/30/2025 12:25:34 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042586.D	t-1,3-Dichloropropene	SAM	5/30/2025 7:48:25 AM	MMDadoda	5/30/2025 12:25:34 PM	Peak Integrated by Software incorrectly

Sequence	VL061625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042622.D	m/p-Xylene	SAM	6/17/2025 8:36:27 AM	MMDadoda	6/17/2025 4:10:09 PM	Peak Integrated by Software incorrectly
VL0616ABS01	VL042624.D	m/p-Xylene	SAM	6/17/2025 8:36:32 AM	MMDadoda	6/17/2025 4:10:10 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	Carbon Tetrachloride	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	Chlorodifluoromethane	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software

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							incorrectly
Q2317-01	VL042626.D	Ethyl Benzene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	Heptane	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	m/p-Xylene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	o-Xylene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01	VL042626.D	Styrene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software incorrectly
Q2317-01DUP	VL042627.D	2,2,4-Trimethylpentane	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software incorrectly
Q2317-01DUP	VL042627.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software incorrectly
Q2317-01DUP	VL042627.D	Carbon Tetrachloride	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software incorrectly
Q2317-01DUP	VL042627.D	Chlorodifluoromethane	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software incorrectly

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Q2317-01DUP	VL042627.D	Heptane	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software incorrectly
Q2317-01DUP	VL042627.D	Toluene	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	1,2-Dichloroethane	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	Carbon Tetrachloride	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	Ethyl Benzene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	Heptane	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	o-Xylene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	Propene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	Styrene	SAM	6/17/2025	MMDadoda	6/17/2025 4:10:15	Peak Integrate

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				8:41:59 AM		PM	d by Software incorrectly
Q2317-02	VL042628.D	Tetrachloroethene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-02	VL042628.D	Trichloroethene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software incorrectly
Q2317-03	VL042629.D	Carbon Tetrachloride	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software incorrectly
Q2317-03	VL042629.D	Heptane	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software incorrectly
Q2317-03	VL042629.D	m/p-Xylene	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software incorrectly
Q2317-03	VL042629.D	Propene	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software incorrectly
Q2317-03	VL042629.D	tert-Butyl alcohol	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software incorrectly
Q2317-03	VL042629.D	Tetrachloroethene	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software incorrectly
Q2317-04	VL042630.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:41:54 AM	MMDadoda	6/17/2025 4:10:20 PM	Peak Integrated by Software

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							incorrectly
Q2317-04	VL042630.D	Heptane	SAM	6/17/2025 8:41:54 AM	MMDadoda	6/17/2025 4:10:20 PM	Peak Integrated by Software incorrectly
Q2317-04	VL042630.D	Tetrachloroethene	SAM	6/17/2025 8:41:54 AM	MMDadoda	6/17/2025 4:10:20 PM	Peak Integrated by Software incorrectly
Q2317-05	VL042632.D	m/p-Xylene	SAM	6/17/2025 8:42:24 AM	MMDadoda	6/17/2025 4:10:23 PM	Peak Integrated by Software incorrectly
Q2317-05	VL042632.D	Toluene	SAM	6/17/2025 8:42:24 AM	MMDadoda	6/17/2025 4:10:23 PM	Peak Integrated by Software incorrectly
Q2317-02DL	VL042636.D	Propene	SAM	6/17/2025 8:41:44 AM	MMDadoda	6/17/2025 4:10:26 PM	Peak Integrated by Software incorrectly
Q2317-02DL	VL042636.D	Toluene	SAM	6/17/2025 8:41:44 AM	MMDadoda	6/17/2025 4:10:26 PM	Peak Integrated by Software incorrectly
Q2317-03DL	VL042637.D	Tetrahydrofuran	SAM	6/17/2025 8:41:38 AM	MMDadoda	6/17/2025 4:10:28 PM	Peak Integrated by Software incorrectly
Q2317-03DL	VL042637.D	Toluene	SAM	6/17/2025 8:41:38 AM	MMDadoda	6/17/2025 4:10:28 PM	Peak Integrated by Software incorrectly

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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___________________________

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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 #: **Q2317**

	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:** **06/23/2025**

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LAB CHRONICLE

OrderID:	Q2317	**OrderDate:**	6/13/2025 10:33:00 AM
Client:	RTP Environmental	**Project:**	Yellow Cab - TO-15
Contact:	David Gabel	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2317-01	**AA-3**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	
Q2317-02	**115-IA-1**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	
Q2317-02DL	**115-IA-1DL**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	
Q2317-03	**115-IA-2**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	
Q2317-03DL	**115-IA-2DL**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	
Q2317-04	**115-SG1**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	
Q2317-05	**115-SG2**	**Air**			**06/12/25**			**06/12/25**
			TO-15	TO-15			06/16/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2317

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**AA-3**							
Q2317-01	AA-3	Air	Dichlorodifluoromethane	2.37	J	1.04	2.47	ug/m3
Q2317-01	AA-3	Air	Chloromethane	1.12		0.21	1.03	ug/m3
Q2317-01	AA-3	Air	Trichlorofluoromethane	1.52	J	0.90	2.81	ug/m3
Q2317-01	AA-3	Air	Heptane	0.61	J	0.45	2.05	ug/m3
Q2317-01	AA-3	Air	Acetone	24.2		0.57	1.19	ug/m3
Q2317-01	AA-3	Air	Methylene Chloride	10.4		0.66	1.74	ug/m3
Q2317-01	AA-3	Air	2-Butanone	1.92		0.35	1.47	ug/m3
Q2317-01	AA-3	Air	Carbon Tetrachloride	0.50		0.060	0.19	ug/m3
Q2317-01	AA-3	Air	2,2,4-Trimethylpentane	0.89	J	0.47	2.34	ug/m3
Q2317-01	AA-3	Air	Benzene	1.02	J	0.29	1.60	ug/m3
Q2317-01	AA-3	Air	4-Methyl-2-Pentanone	0.74	J	0.37	2.05	ug/m3
Q2317-01	AA-3	Air	Toluene	1.73	J	0.41	1.88	ug/m3
Q2317-01	AA-3	Air	m/p-Xylene	2.08	J	0.91	4.34	ug/m3
Q2317-01	AA-3	Air	o-Xylene	1.00	J	0.52	2.17	ug/m3
Q2317-01	AA-3	Air	Styrene	0.55	J	0.47	2.13	ug/m3
Q2317-01	AA-3	Air	1,2,4-Trimethylbenzene	0.84	J	0.39	2.46	ug/m3
Q2317-01	AA-3	Air	Hexane	16.9		0.39	1.76	ug/m3
			Total Voc :	68.5				
			Total Concentration:	68.5				
Client ID:	**115-IA-1**							
Q2317-02	115-IA-1	Air	Dichlorodifluoromethane	2.32	J	1.04	2.47	ug/m3
Q2317-02	115-IA-1	Air	Chloromethane	1.47		0.21	1.03	ug/m3
Q2317-02	115-IA-1	Air	Tetrahydrofuran	4.13		0.38	1.47	ug/m3
Q2317-02	115-IA-1	Air	Trichlorofluoromethane	45.5		0.90	2.81	ug/m3
Q2317-02	115-IA-1	Air	Heptane	0.82	J	0.45	2.05	ug/m3
Q2317-02	115-IA-1	Air	Acetone	91.0	E	0.57	1.19	ug/m3
Q2317-02	115-IA-1	Air	Methylene Chloride	4.52		0.66	1.74	ug/m3
Q2317-02	115-IA-1	Air	2-Butanone	6.19		0.35	1.47	ug/m3
Q2317-02	115-IA-1	Air	Carbon Tetrachloride	0.57		0.060	0.19	ug/m3
Q2317-02	115-IA-1	Air	Chloroform	2.83		0.39	2.44	ug/m3
Q2317-02	115-IA-1	Air	2,2,4-Trimethylpentane	0.75	J	0.47	2.34	ug/m3
Q2317-02	115-IA-1	Air	Benzene	1.05	J	0.29	1.60	ug/m3
Q2317-02	115-IA-1	Air	1,2-Dichloroethane	0.69	J	0.36	2.02	ug/m3
Q2317-02	115-IA-1	Air	Trichloroethene	0.27		0.11	0.16	ug/m3
Q2317-02	115-IA-1	Air	4-Methyl-2-Pentanone	1.07	J	0.37	2.05	ug/m3
Q2317-02	115-IA-1	Air	Toluene	2.83		0.41	1.88	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q2317

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2317-02	115-IA-1	Air	Tetrachloroethene	0.47		0.14	0.20	ug/m3
Q2317-02	115-IA-1	Air	Ethyl Benzene	0.52	J	0.52	2.17	ug/m3
Q2317-02	115-IA-1	Air	m/p-Xylene	1.69	J	0.91	4.34	ug/m3
Q2317-02	115-IA-1	Air	o-Xylene	0.74	J	0.52	2.17	ug/m3
Q2317-02	115-IA-1	Air	Styrene	0.60	J	0.47	2.13	ug/m3
Q2317-02	115-IA-1	Air	1,2,4-Trimethylbenzene	1.38	J	0.39	2.46	ug/m3
Q2317-02	115-IA-1	Air	1,4-Dichlorobenzene	105	E	0.30	3.01	ug/m3
Q2317-02	115-IA-1	Air	Hexane	14.4		0.39	1.76	ug/m3
			Total Voc :	290				
			Total Concentration:	290				
Client ID:	**115-IA-1DL**							
Q2317-02DL	115-IA-1DL	Air	Chloromethane	2.02	JD	1.01	5.16	ug/m3
Q2317-02DL	115-IA-1DL	Air	Tetrahydrofuran	3.54	JD	1.92	7.37	ug/m3
Q2317-02DL	115-IA-1DL	Air	Trichlorofluoromethane	48.3	D	4.50	14.1	ug/m3
Q2317-02DL	115-IA-1DL	Air	Acetone	97.9	D	2.85	5.94	ug/m3
Q2317-02DL	115-IA-1DL	Air	Methylene Chloride	7.30	JD	3.30	8.69	ug/m3
Q2317-02DL	115-IA-1DL	Air	2-Butanone	6.19	JD	1.77	7.37	ug/m3
Q2317-02DL	115-IA-1DL	Air	Toluene	2.49	JD	2.07	9.42	ug/m3
Q2317-02DL	115-IA-1DL	Air	1,4-Dichlorobenzene	96.8	D	1.62	15.0	ug/m3
Q2317-02DL	115-IA-1DL	Air	Hexane	11.3	D	1.94	8.81	ug/m3
			Total Voc :	276				
			Total Concentration:	276				
Client ID:	**115-IA-2**							
Q2317-03	115-IA-2	Air	Dichlorodifluoromethane	2.47		1.04	2.47	ug/m3
Q2317-03	115-IA-2	Air	Chloromethane	1.45		0.21	1.03	ug/m3
Q2317-03	115-IA-2	Air	Tetrahydrofuran	4.42		0.38	1.47	ug/m3
Q2317-03	115-IA-2	Air	Trichlorofluoromethane	30.4		0.90	2.81	ug/m3
Q2317-03	115-IA-2	Air	tert-Butyl alcohol	1.12	J	0.58	1.52	ug/m3
Q2317-03	115-IA-2	Air	Heptane	0.86	J	0.45	2.05	ug/m3
Q2317-03	115-IA-2	Air	Acetone	76.5	E	0.57	1.19	ug/m3
Q2317-03	115-IA-2	Air	Methylene Chloride	2.05		0.66	1.74	ug/m3
Q2317-03	115-IA-2	Air	2-Butanone	6.78		0.35	1.47	ug/m3
Q2317-03	115-IA-2	Air	Carbon Tetrachloride	0.50		0.060	0.19	ug/m3
Q2317-03	115-IA-2	Air	Chloroform	1.47	J	0.39	2.44	ug/m3
Q2317-03	115-IA-2	Air	Benzene	1.09	J	0.29	1.60	ug/m3
Q2317-03	115-IA-2	Air	Toluene	2.26		0.41	1.88	ug/m3
Q2317-03	115-IA-2	Air	Tetrachloroethene	0.27		0.14	0.20	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q2317

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2317-03	115-IA-2	Air	m/p-Xylene	1.22	J	0.91	4.34	ug/m3
Q2317-03	115-IA-2	Air	1,2,4-Trimethylbenzene	0.64	J	0.39	2.46	ug/m3
Q2317-03	115-IA-2	Air	1,4-Dichlorobenzene	133	E	0.30	3.01	ug/m3
Q2317-03	115-IA-2	Air	Hexane	3.38		0.39	1.76	ug/m3
			Total Voc :	270				
			Total Concentration:	270				
Client ID:	**115-IA-2DL**							
Q2317-03DL	115-IA-2DL	Air	Chloromethane	1.67	JD	1.01	5.16	ug/m3
Q2317-03DL	115-IA-2DL	Air	Tetrahydrofuran	4.13	JD	1.92	7.37	ug/m3
Q2317-03DL	115-IA-2DL	Air	Trichlorofluoromethane	36.0	D	4.50	14.1	ug/m3
Q2317-03DL	115-IA-2DL	Air	Acetone	85.0	D	2.85	5.94	ug/m3
Q2317-03DL	115-IA-2DL	Air	2-Butanone	7.08	JD	1.77	7.37	ug/m3
Q2317-03DL	115-IA-2DL	Air	1,4-Dichlorobenzene	129	D	1.62	15.0	ug/m3
Q2317-03DL	115-IA-2DL	Air	Hexane	2.68	JD	1.94	8.81	ug/m3
			Total Voc :	266				
			Total Concentration:	266				
Client ID:	**115-SG1**							
Q2317-04	115-SG1	Air	Chloromethane	13.4		0.81	4.13	ug/m3
Q2317-04	115-SG1	Air	Chloroethane	6.07		1.79	5.28	ug/m3
Q2317-04	115-SG1	Air	Tetrahydrofuran	6.19		1.53	5.90	ug/m3
Q2317-04	115-SG1	Air	Trichlorofluoromethane	238		3.60	11.2	ug/m3
Q2317-04	115-SG1	Air	Heptane	3.20	J	1.80	8.20	ug/m3
Q2317-04	115-SG1	Air	Acetone	52.0		2.28	4.75	ug/m3
Q2317-04	115-SG1	Air	Carbon Disulfide	7.16		1.99	6.23	ug/m3
Q2317-04	115-SG1	Air	Methylene Chloride	28.1		2.64	6.95	ug/m3
Q2317-04	115-SG1	Air	2-Butanone	12.4		1.42	5.90	ug/m3
Q2317-04	115-SG1	Air	Chloroform	3.76	J	1.61	9.77	ug/m3
Q2317-04	115-SG1	Air	Benzene	28.4		1.12	6.39	ug/m3
Q2317-04	115-SG1	Air	Trichloroethene	26.3		0.38	0.64	ug/m3
Q2317-04	115-SG1	Air	4-Methyl-2-Pentanone	5.33	J	1.52	8.20	ug/m3
Q2317-04	115-SG1	Air	Toluene	43.3		1.66	7.54	ug/m3
Q2317-04	115-SG1	Air	Tetrachloroethene	2.44		0.41	0.81	ug/m3
Q2317-04	115-SG1	Air	Styrene	2.09	J	1.87	8.52	ug/m3
Q2317-04	115-SG1	Air	1,4-Dichlorobenzene	3.37	J	1.26	12.0	ug/m3
Q2317-04	115-SG1	Air	Hexane	9.87		1.55	7.05	ug/m3
Q2317-04	115-SG1	Air	Methyl Methacrylate	104		1.39	8.19	ug/m3
			Total Voc :	596				
			Total Concentration:	596				

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Hit Summary Sheet
SW-846

SDG No.: Q2317

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**115-SG2**							
Q2317-05	115-SG2	Air	Chloromethane	18.4		0.81	4.13	ug/m3
Q2317-05	115-SG2	Air	Chloroethane	8.71		1.79	5.28	ug/m3
Q2317-05	115-SG2	Air	Tetrahydrofuran	5.90		1.53	5.90	ug/m3
Q2317-05	115-SG2	Air	Trichlorofluoromethane	79.8		3.60	11.2	ug/m3
Q2317-05	115-SG2	Air	Acetone	125		2.28	4.75	ug/m3
Q2317-05	115-SG2	Air	Methylene Chloride	9.73		2.64	6.95	ug/m3
Q2317-05	115-SG2	Air	2-Butanone	11.5		1.42	5.90	ug/m3
Q2317-05	115-SG2	Air	Chloroform	40.5		1.61	9.77	ug/m3
Q2317-05	115-SG2	Air	Benzene	10.5		1.12	6.39	ug/m3
Q2317-05	115-SG2	Air	Trichloroethene	69.3		0.38	0.64	ug/m3
Q2317-05	115-SG2	Air	Toluene	1.92	J	1.66	7.54	ug/m3
Q2317-05	115-SG2	Air	Tetrachloroethene	83.4		0.41	0.81	ug/m3
Q2317-05	115-SG2	Air	1,4-Dichlorobenzene	30.1		1.26	12.0	ug/m3
Q2317-05	115-SG2	Air	Hexane	3.10	J	1.55	7.05	ug/m3
Q2317-05	115-SG2	Air	Methyl Methacrylate	72.9		1.39	8.19	ug/m3
			Total Voc :	571				
			Total Concentration:	571				

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : AA-3 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-01 **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	0.48	J	2.37		
Chloromethane	74-87-3	50.49	0.54		1.12		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.27	J	1.52		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.15	J	0.61		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	10.2		24.2		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	3		10.4		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	0.65		1.92		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.19	J	0.89		
Benzene	71-43-2	78.11	0.32	J	1.02		
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	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.18	J	0.74		
Toluene	108-88-3	92.14	0.46	J	1.73		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : AA-3 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-01 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
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	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.48	J	2.08		
o-Xylene	95-47-6	106.2	0.23	J	1		
Styrene	100-42-5	104.1	0.13	J	0.55		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.17	J	0.84		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	4.8		16.9		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : Yellow Cab - TO-15

Field Id Number : 115-IA-1

Laboratory Id Number : Q2317-02

Sampling Date : 06/12/25

Analysis Date : 06/16/25

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	0.47	J	2.32		
Chloromethane	74-87-3	50.49	0.71		1.47		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	1.4		4.13		
Trichlorofluoromethane	75-69-4	137.4	8.1		45.5		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.2	J	0.82		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	38.3	E	91.0		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	1.3		4.52		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	2.1		6.19		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.58		2.83		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.16	J	0.75		
Benzene	71-43-2	78.11	0.33	J	1.05		
1,2-Dichloroethane	107-06-2	98.96	0.17	J	0.69		
Trichloroethene	79-01-6	131.4	0.05		0.27		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.26	J	1.07		
Toluene	108-88-3	92.14	0.75		2.83		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-1 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-02 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.07		0.47		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	J	0.52		
m/p-Xylene	179601-23-1	106.2	0.39	J	1.69		
o-Xylene	95-47-6	106.2	0.17	J	0.74		
Styrene	100-42-5	104.1	0.14	J	0.6		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.28	J	1.38		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	17.4	E	104		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	4.1		14.4		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-1DL **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-02DL **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	JD	2.02		
Vinyl Chloride	75-01-4	62.5	0.07	UD	0.18		
Bromomethane	74-83-9	94.94	0.7	UD	2.72		
Chloroethane	75-00-3	64.52	0.85	UD	2.24		
Tetrahydrofuran	109-99-9	72.11	1.2	JD	3.54		
Trichlorofluoromethane	75-69-4	137.4	8.6	D	48.3		
Dichlorotetrafluoroethane	76-14-2	170.9	0.44	UD	3.08		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.8	UD	6.13		
tert-Butyl alcohol	75-65-0	74.12	0.95	UD	2.88		
Heptane	142-82-5	100.2	0.55	UD	2.25		
1,1-Dichloroethene	75-35-4	96.94	0.7	UD	2.78		
Acetone	67-64-1	58.08	41.2	D	97.9		
Carbon Disulfide	75-15-0	76.14	0.8	UD	2.49		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.6	UD	2.16		
Methylene Chloride	75-09-2	84.94	2.1	JD	7.3		
trans-1,2-Dichloroethene	156-60-5	96.94	0.95	UD	3.77		
1,1-Dichloroethane	75-34-3	98.96	0.65	UD	2.63		
Cyclohexane	110-82-7	84.16	1.1	UD	3.79		
2-Butanone	78-93-3	72.11	2.1	JD	6.19		
Carbon Tetrachloride	56-23-5	153.8	0.06	UD	0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.45	UD	1.78		
Chloroform	67-66-3	119.4	0.42	UD	2.05		
1,1,1-Trichloroethane	71-55-6	133.4	0.05	UD	0.27		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	UD	2.34		
Benzene	71-43-2	78.11	0.44	UD	1.41		
1,2-Dichloroethane	107-06-2	98.96	0.46	UD	1.86		
Trichloroethene	79-01-6	131.4	0.09	UD	0.48		
1,2-Dichloropropane	78-87-5	113	0.55	UD	2.54		
Bromodichloromethane	75-27-4	163.8	0.39	UD	2.61		
4-Methyl-2-Pentanone	108-10-1	100.2	0.47	UD	1.93		
Toluene	108-88-3	92.14	0.66	JD	2.49		
t-1,3-Dichloropropene	10061-02-6	111	0.3	UD	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.32	UD	1.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.36	UD	1.96		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-1DL **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-02DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.33	UD	2.81		
1,2-Dibromoethane	106-93-4	187.9	0.36	UD	2.77		
Tetrachloroethene	127-18-4	165.8	0.08	UD	0.54		
Chlorobenzene	108-90-7	112.6	0.38	UD	1.75		
Ethyl Benzene	100-41-4	106.2	0.6	UD	2.61		
m/p-Xylene	179601-23-1	106.2	1.1	UD	4.78		
o-Xylene	95-47-6	106.2	0.6	UD	2.61		
Styrene	100-42-5	104.1	0.55	UD	2.34		
Bromoform	75-25-2	252.8	0.28	UD	2.9		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.06	UD	0.41		
2-Chlorotoluene	95-49-8	126.6	0.55	UD	2.85		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.55	UD	2.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.39	UD	1.92		
1,3-Dichlorobenzene	541-73-1	147	0.4	UD	2.4		
1,4-Dichlorobenzene	106-46-7	147	16.1	D	96.8		
1,2-Dichlorobenzene	95-50-1	147	0.38	UD	2.28		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.43	UD	3.19		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.43	UD	4.59		
Naphthalene	91-20-3	128.17	0.38	UD	1.99		
1,3-Butadiene	106-99-0	54.09	0.65	UD	1.44		
4-Ethyltoluene	622-96-8	120.2	0.6	UD	2.95		
Hexane	110-54-3	86.17	3.2	D	11.3		
Allyl Chloride	107-05-1	76.53	0.75	UD	2.35		
1,4-Dioxane	123-91-1	88.12	1.1	UD	3.96		
Methyl Methacrylate	80-62-6	100.117	0.43	UD	1.76		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-2 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-03 **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	0.5		2.47		
Chloromethane	74-87-3	50.49	0.7		1.45		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	1.5		4.42		
Trichlorofluoromethane	75-69-4	137.4	5.4		30.4		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.37	J	1.12		
Heptane	142-82-5	100.2	0.21	J	0.86		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	32.2	E	76.5		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.59		2.05		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	2.3		6.78		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.3	J	1.47		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.34	J	1.09		
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	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.6		2.26		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-2 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-03 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.04		0.27		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.28	J	1.22		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.13	J	0.64		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	22.2	E	133		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.96		3.38		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-2DL **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-03DL **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	0.81	JD	1.67		
Vinyl Chloride	75-01-4	62.5	0.07	UD	0.18		
Bromomethane	74-83-9	94.94	0.7	UD	2.72		
Chloroethane	75-00-3	64.52	0.85	UD	2.24		
Tetrahydrofuran	109-99-9	72.11	1.4	JD	4.13		
Trichlorofluoromethane	75-69-4	137.4	6.4	D	36.0		
Dichlorotetrafluoroethane	76-14-2	170.9	0.44	UD	3.08		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.8	UD	6.13		
tert-Butyl alcohol	75-65-0	74.12	0.95	UD	2.88		
Heptane	142-82-5	100.2	0.55	UD	2.25		
1,1-Dichloroethene	75-35-4	96.94	0.7	UD	2.78		
Acetone	67-64-1	58.08	35.8	D	85.0		
Carbon Disulfide	75-15-0	76.14	0.8	UD	2.49		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.6	UD	2.16		
Methylene Chloride	75-09-2	84.94	0.95	UD	3.3		
trans-1,2-Dichloroethene	156-60-5	96.94	0.95	UD	3.77		
1,1-Dichloroethane	75-34-3	98.96	0.65	UD	2.63		
Cyclohexane	110-82-7	84.16	1.1	UD	3.79		
2-Butanone	78-93-3	72.11	2.4	JD	7.08		
Carbon Tetrachloride	56-23-5	153.8	0.06	UD	0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.45	UD	1.78		
Chloroform	67-66-3	119.4	0.42	UD	2.05		
1,1,1-Trichloroethane	71-55-6	133.4	0.05	UD	0.27		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	UD	2.34		
Benzene	71-43-2	78.11	0.44	UD	1.41		
1,2-Dichloroethane	107-06-2	98.96	0.46	UD	1.86		
Trichloroethene	79-01-6	131.4	0.09	UD	0.48		
1,2-Dichloropropane	78-87-5	113	0.55	UD	2.54		
Bromodichloromethane	75-27-4	163.8	0.39	UD	2.61		
4-Methyl-2-Pentanone	108-10-1	100.2	0.47	UD	1.93		
Toluene	108-88-3	92.14	0.55	UD	2.07		
t-1,3-Dichloropropene	10061-02-6	111	0.3	UD	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.32	UD	1.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.36	UD	1.96		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-IA-2DL **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-03DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.33	UD	2.81		
1,2-Dibromoethane	106-93-4	187.9	0.36	UD	2.77		
Tetrachloroethene	127-18-4	165.8	0.08	UD	0.54		
Chlorobenzene	108-90-7	112.6	0.38	UD	1.75		
Ethyl Benzene	100-41-4	106.2	0.6	UD	2.61		
m/p-Xylene	179601-23-1	106.2	1.1	UD	4.78		
o-Xylene	95-47-6	106.2	0.6	UD	2.61		
Styrene	100-42-5	104.1	0.55	UD	2.34		
Bromoform	75-25-2	252.8	0.28	UD	2.9		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.06	UD	0.41		
2-Chlorotoluene	95-49-8	126.6	0.55	UD	2.85		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.55	UD	2.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.39	UD	1.92		
1,3-Dichlorobenzene	541-73-1	147	0.4	UD	2.4		
1,4-Dichlorobenzene	106-46-7	147	21.5	D	129		
1,2-Dichlorobenzene	95-50-1	147	0.38	UD	2.28		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.43	UD	3.19		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.43	UD	4.59		
Naphthalene	91-20-3	128.17	0.38	UD	1.99		
1,3-Butadiene	106-99-0	54.09	0.65	UD	1.44		
4-Ethyltoluene	622-96-8	120.2	0.6	UD	2.95		
Hexane	110-54-3	86.17	0.76	JD	2.68		
Allyl Chloride	107-05-1	76.53	0.75	UD	2.35		
1,4-Dioxane	123-91-1	88.12	1.1	UD	3.96		
Methyl Methacrylate	80-62-6	100.117	0.43	UD	1.76		

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Project : Yellow Cab - TO-15

Sampling Date : 06/12/25

Field Id Number : 115-SG1

Analysis Date : 06/16/25

Laboratory Id Number : Q2317-04

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	0.84	U	4.15		
Chloromethane	74-87-3	50.49	6.5		13.4		
Vinyl Chloride	75-01-4	62.5	0.06	U	0.15		
Bromomethane	74-83-9	94.94	0.56	U	2.17		
Chloroethane	75-00-3	64.52	2.3		6.07		
Tetrahydrofuran	109-99-9	72.11	2.1		6.19		
Trichlorofluoromethane	75-69-4	137.4	42.3		237		
Dichlorotetrafluoroethane	76-14-2	170.9	0.35	U	2.45		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.64	U	4.91		
tert-Butyl alcohol	75-65-0	74.12	0.76	U	2.3		
Heptane	142-82-5	100.2	0.78	J	3.2		
1,1-Dichloroethene	75-35-4	96.94	0.56	U	2.22		
Acetone	67-64-1	58.08	21.9		52.0		
Carbon Disulfide	75-15-0	76.14	2.3		7.16		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.48	U	1.73		
Methylene Chloride	75-09-2	84.94	8.1		28.1		
trans-1,2-Dichloroethene	156-60-5	96.94	0.76	U	3.01		
1,1-Dichloroethane	75-34-3	98.96	0.52	U	2.1		
Cyclohexane	110-82-7	84.16	0.88	U	3.03		
2-Butanone	78-93-3	72.11	4.2		12.4		
Carbon Tetrachloride	56-23-5	153.8	0.04	U	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.36	U	1.43		
Chloroform	67-66-3	119.4	0.77	J	3.76		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	U	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.4	U	1.87		
Benzene	71-43-2	78.11	8.9		28.4		
1,2-Dichloroethane	107-06-2	98.96	0.36	U	1.46		
Trichloroethene	79-01-6	131.4	4.9		26.3		
1,2-Dichloropropane	78-87-5	113	0.44	U	2.03		
Bromodichloromethane	75-27-4	163.8	0.31	U	2.08		
4-Methyl-2-Pentanone	108-10-1	100.2	1.3	J	5.33		
Toluene	108-88-3	92.14	11.5		43.3		
t-1,3-Dichloropropene	10061-02-6	111	0.24	U	1.09		
cis-1,3-Dichloropropene	10061-01-5	111	0.26	U	1.18		
1,1,2-Trichloroethane	79-00-5	133.4	0.28	U	1.53		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-SG1 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-04 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.26	U	2.22		
1,2-Dibromoethane	106-93-4	187.9	0.29	U	2.23		
Tetrachloroethene	127-18-4	165.8	0.36		2.44		
Chlorobenzene	108-90-7	112.6	0.3	U	1.38		
Ethyl Benzene	100-41-4	106.2	0.48	U	2.08		
m/p-Xylene	179601-23-1	106.2	0.84	U	3.65		
o-Xylene	95-47-6	106.2	0.48	U	2.08		
Styrene	100-42-5	104.1	0.49	J	2.09		
Bromoform	75-25-2	252.8	0.23	U	2.38		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.44	U	2.28		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	U	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.31	U	1.52		
1,3-Dichlorobenzene	541-73-1	147	0.32	U	1.92		
1,4-Dichlorobenzene	106-46-7	147	0.56	J	3.37		
1,2-Dichlorobenzene	95-50-1	147	0.3	U	1.8		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.34	U	2.52		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.34	U	3.63		
Naphthalene	91-20-3	128.17	0.3	U	1.57		
1,3-Butadiene	106-99-0	54.09	0.52	U	1.15		
4-Ethyltoluene	622-96-8	120.2	0.48	U	2.36		
Hexane	110-54-3	86.17	2.8		9.87		
Allyl Chloride	107-05-1	76.53	0.6	U	1.88		
1,4-Dioxane	123-91-1	88.12	0.84	U	3.03		
Methyl Methacrylate	80-62-6	100.117	25.5		104		

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Project : Yellow Cab - TO-15
Sampling Date : 06/12/25

Field Id Number : 115-SG2
Analysis Date : 06/16/25

Laboratory Id Number : Q2317-05
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	0.84	U	4.15		
Chloromethane	74-87-3	50.49	8.9		18.4		
Vinyl Chloride	75-01-4	62.5	0.06	U	0.15		
Bromomethane	74-83-9	94.94	0.56	U	2.17		
Chloroethane	75-00-3	64.52	3.3		8.71		
Tetrahydrofuran	109-99-9	72.11	2		5.9		
Trichlorofluoromethane	75-69-4	137.4	14.2		79.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.35	U	2.45		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.64	U	4.91		
tert-Butyl alcohol	75-65-0	74.12	0.76	U	2.3		
Heptane	142-82-5	100.2	0.44	U	1.8		
1,1-Dichloroethene	75-35-4	96.94	0.56	U	2.22		
Acetone	67-64-1	58.08	52.7		125		
Carbon Disulfide	75-15-0	76.14	0.64	U	1.99		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.48	U	1.73		
Methylene Chloride	75-09-2	84.94	2.8		9.73		
trans-1,2-Dichloroethene	156-60-5	96.94	0.76	U	3.01		
1,1-Dichloroethane	75-34-3	98.96	0.52	U	2.1		
Cyclohexane	110-82-7	84.16	0.88	U	3.03		
2-Butanone	78-93-3	72.11	3.9		11.5		
Carbon Tetrachloride	56-23-5	153.8	0.04	U	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.36	U	1.43		
Chloroform	67-66-3	119.4	8.3		40.5		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	U	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.4	U	1.87		
Benzene	71-43-2	78.11	3.3		10.5		
1,2-Dichloroethane	107-06-2	98.96	0.36	U	1.46		
Trichloroethene	79-01-6	131.4	12.9		69.3		
1,2-Dichloropropane	78-87-5	113	0.44	U	2.03		
Bromodichloromethane	75-27-4	163.8	0.31	U	2.08		
4-Methyl-2-Pentanone	108-10-1	100.2	0.37	U	1.52		
Toluene	108-88-3	92.14	0.51	J	1.92		
t-1,3-Dichloropropene	10061-02-6	111	0.24	U	1.09		
cis-1,3-Dichloropropene	10061-01-5	111	0.26	U	1.18		
1,1,2-Trichloroethane	79-00-5	133.4	0.28	U	1.53		

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Project : Yellow Cab - TO-15 **Sampling Date :** 06/12/25

Field Id Number : 115-SG2 **Analysis Date :** 06/16/25

Laboratory Id Number : Q2317-05 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.26	U	2.22		
1,2-Dibromoethane	106-93-4	187.9	0.29	U	2.23		
Tetrachloroethene	127-18-4	165.8	12.3		83.4		
Chlorobenzene	108-90-7	112.6	0.3	U	1.38		
Ethyl Benzene	100-41-4	106.2	0.48	U	2.08		
m/p-Xylene	179601-23-1	106.2	0.84	U	3.65		
o-Xylene	95-47-6	106.2	0.48	U	2.08		
Styrene	100-42-5	104.1	0.44	U	1.87		
Bromoform	75-25-2	252.8	0.23	U	2.38		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.44	U	2.28		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	U	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.31	U	1.52		
1,3-Dichlorobenzene	541-73-1	147	0.32	U	1.92		
1,4-Dichlorobenzene	106-46-7	147	5		30.1		
1,2-Dichlorobenzene	95-50-1	147	0.3	U	1.8		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.34	U	2.52		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.34	U	3.63		
1,3-Butadiene	106-99-0	54.09	0.52	U	1.15		
Naphthalene	91-20-3	128.17	0.3	U	1.57		
4-Ethyltoluene	622-96-8	120.2	0.48	U	2.36		
Hexane	110-54-3	86.17	0.88	J	3.1		
Allyl Chloride	107-05-1	76.53	0.6	U	1.88		
1,4-Dioxane	123-91-1	88.12	0.84	U	3.03		
Methyl Methacrylate	80-62-6	100.117	17.8		72.9		

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Method	Matrix	Parameter	Spike_Amt_ Added	Calculated MDL	MB Data	MB Datafile	New MDL TO Be Used	MDL Unit
TO-15	Air	1,1,1,2-Tetrachloroethane	0.4	0.090683682	0		0.091	ppbv
TO-15	Air	1,1,1-Trichloroethane	0.03	0.00947589	0		0.0095	ppbv
TO-15	Air	1,1,2,2-Tetrachloroethane	0.03	0.010183321	0		0.011	ppbv
TO-15	Air	1,1,2-Trichloroethane	0.4	0.070112514	0		0.071	ppbv
TO-15	Air	1,1,2-Trichlorotrifluoroethane	0.4	0.155560652	0		0.16	ppbv
TO-15	Air	1,1-Dichloroethane	0.4	0.122378743	0		0.13	ppbv
TO-15	Air	1,1-Dichloroethene	0.4	0.139735617	0		0.14	ppbv
TO-15	Air	1,2,4-Trichlorobenzene	0.4	0.084677012	0		0.085	ppbv
TO-15	Air	1,2,4-Trimethylbenzene	0.4	0.077496367	0		0.078	ppbv
TO-15	Air	1,2-Dibromoethane	0.4	0.071318853	0		0.072	ppbv
TO-15	Air	1,2-Dichlorobenzene	0.4	0.074250332	0		0.075	ppbv
TO-15	Air	1,2-Dichloroethane	0.4	0.090890005	0		0.091	ppbv
TO-15	Air	1,2-Dichloropropane	0.4	0.073346868	0.109	VL038919.D	0.11	ppbv
TO-15	Air	1,3,5-Trimethylbenzene	0.4	0.101198372	0		0.11	ppbv
TO-15	Air	1,3-Butadiene	0.4	0.124009143	0		0.13	ppbv
TO-15	Air	1,3-Dichlorobenzene	0.4	0.079013305	0		0.08	ppbv
TO-15	Air	1,4-Dichlorobenzene	0.4	0.052746151	0		0.053	ppbv
TO-15	Air	1,4-Dioxane	0.4	0.202123585	0		0.21	ppbv
TO-15	Air	2,2,4-Trimethylpentane	0.4	0.09988427	0		0.10	ppbv
TO-15	Air	2-Butanone	0.4	0.118687999	0		0.12	ppbv
TO-15	Air	2-Chlorotoluene	0.4	0.104141644	0		0.11	ppbv
TO-15	Air	2-Hexanone	0.4	0.080656229	0		0.081	ppbv
TO-15	Air	4-Ethyltoluene	0.4	0.112037051	0		0.12	ppbv
TO-15	Air	4-Methyl-2-Pentanone	0.4	0.092836933	0		0.093	ppbv
TO-15	Air	Acetone	0.4	0.234416891	0		0.24	ppbv
TO-15	Air	Allyl Chloride	0.4	0.145618654	0		0.15	ppbv
TO-15	Air	Benzene	0.4	0.086407689	0		0.087	ppbv
TO-15	Air	Benzyl Chloride	0.4	0.173895169	0		0.18	ppbv
TO-15	Air	Bromodichloromethane	0.4	0.076780313	0		0.077	ppbv
TO-15	Air	Bromoethene	0.4	0.115560124	0		0.12	ppbv
TO-15	Air	Bromoform	0.4	0.056947551	0		0.057	ppbv
TO-15	Air	Bromomethane	0.4	0.137678239	0		0.14	ppbv
TO-15	Air	Carbon Disulfide	0.4	0.157343925	0		0.16	ppbv
TO-15	Air	Carbon Tetrachloride	0.03	0.010617308	0		0.011	ppbv
TO-15	Air	Chlorobenzene	0.4	0.075202602	0		0.076	ppbv
TO-15	Air	Chlorodifluoromethane	0.4	0.087466815	0		0.088	ppbv
TO-15	Air	Chloroethane	0.4	0.163530318	0		0.17	ppbv
TO-15	Air	Chloroform	0.4	0.082232394	0		0.083	ppbv
TO-15	Air	Chloromethane	0.4	0.097292998	0		0.098	ppbv
TO-15	Air	cis-1,2-Dichloroethene	0.4	0.088332535	0		0.089	ppbv
TO-15	Air	cis-1,3-Dichloropropene	0.4	0.063248763	0		0.064	ppbv
TO-15	Air	Cyclohexane	0.4	0.217999816	0		0.22	ppbv
TO-15	Air	Dibromochloromethane	0.4	0.065703935	0		0.066	ppbv
TO-15	Air	Dichlorodifluoromethane	0.4	0.20957733	0		0.21	ppbv
TO-15	Air	Dichlorotetrafluoroethane	0.4	0.087348046	0		0.088	ppbv
TO-15	Air	Ethyl Acetate	0.4	0.078161123	0		0.079	ppbv
TO-15	Air	Ethyl Benzene	0.4	0.115413562	0		0.12	ppbv
TO-15	Air	Heptane	0.4	0.100800637	0		0.11	ppbv
TO-15	Air	Hexachloro-1,3-Butadiene	0.4	0.084169773	0		0.085	ppbv
TO-15	Air	Hexane	0.4	0.106485082	0		0.11	ppbv
TO-15	Air	Isopropyl Alcohol	0.4	0.068329134	0		0.069	ppbv
TO-15	Air	Isopropylbenzene	0.4	0.086744608	0		0.087	ppbv
TO-15	Air	m/p-Xylene	0.4	0.205831125	0		0.21	ppbv
TO-15	Air	Methyl Methacrylate	0.4	0.085528753	0		0.086	ppbv
TO-15	Air	Methyl tert-Butyl Ether	0.4	0.119546728	0		0.12	ppbv
TO-15	Air	Methylene Chloride	0.4	0.18405265	0.11	VL039022.D	0.19	ppbv
TO-15	Air	Naphthalene	0.4	0.074961199	0		0.075	ppbv
TO-15	Air	Naphthalene,2-methyl-	0.4	0.148496389	0		0.15	ppbv
TO-15	Air	n-Butylbenzene	0.4	0.08201719	0		0.083	ppbv
TO-15	Air	n-propylbenzene	0.4	0.0778963	0		0.078	ppbv
TO-15	Air	o-Xylene	0.4	0.117630235	0		0.12	ppbv
TO-15	Air	p-Isopropyltoluene	0.4	0.085704866	0		0.086	ppbv
TO-15	Air	Propene	0.4	0.143790814	0.14	VL039337.D	0.15	ppbv
TO-15	Air	sec-Butylbenzene	0.4	0.093164076	0		0.094	ppbv
TO-15	Air	Styrene	0.4	0.109444442	0		0.11	ppbv
TO-15	Air	t-1,3-Dichloropropene	0.4	0.059734415	0		0.06	ppbv
TO-15	Air	tert-Butyl alcohol	0.4	0.187711954	0		0.19	ppbv
TO-15	Air	tert-Butylbenzene	0.4	0.092760327	0		0.093	ppbv
TO-15	Air	Tetrachloroethene	0.03	0.014462962	0		0.015	ppbv
TO-15	Air	Tetrahydrofuran	0.4	0.122655048	0		0.13	ppbv
TO-15	Air	Toluene	0.4	0.109284	0		0.11	ppbv
TO-15	Air	trans-1,2-Dichloroethene	0.4	0.185264638	0		0.19	ppbv
TO-15	Air	Trichloroethene	0.03	0.016558175	0		0.017	ppbv
TO-15	Air	Trichlorofluoromethane	0.4	0.157465794	0		0.16	ppbv
TO-15	Air	Vinyl Acetate	0.4	0.152371485	0		0.16	ppbv
TO-15	Air	Vinyl Chloride	0.03	0.013585954	0		0.014	ppbv
TO-15	Air	Ethanol	0.4	0.317031286	0		0.32	ug/L

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StdevVal	StudentsT Value	Instrument ID	Datafile1	Concentration1	Adate1	Datafile2	Concentration2
0.03485153	2.602	MSVOA_L	VL038602.D	0.51	03142022T18:52:00	VL038645.D	0.494
0.003641772	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.029
0.003913651	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.035
0.026945624	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.439
0.059785032	2.602	MSVOA_L	VL038602.D	0.47	03142022T18:52:00	VL038645.D	0.466
0.047032569	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.456
0.053703158	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.411
0.032543048	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.336
0.029783385	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.396
0.027409244	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.352
0.028535869	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.407
0.034930824	2.602	MSVOA_L	VL038602.D	0.41	03142022T18:52:00	VL038645.D	0.445
0.02818865	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.406
0.038892534	2.602	MSVOA_L	VL038602.D	0.33	03142022T18:52:00	VL038645.D	0.374
0.047659163	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.419
0.030366374	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.428
0.020271388	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.418
0.077680086	2.602	MSVOA_L	VL038602.D	0.46	03142022T18:52:00	VL038645.D	0.285
0.038387498	2.602	MSVOA_L	VL038602.D	0.39	03142022T18:52:00	VL038645.D	0.383
0.045614143	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.406
0.040023691	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.375
0.030997782	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.283
0.043058052	2.602	MSVOA_L	VL038602.D	0.34	03142022T18:52:00	VL038645.D	0.356
0.035679067	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.282
0.090091042	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.468
0.055964125	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.392
0.033208182	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.407
0.066831349	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.454
0.029508191	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.408
0.044412039	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.433
0.021886069	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.31
0.052912467	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.404
0.060470378	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.357
0.004080441	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.026
0.028901845	2.602	MSVOA_L	VL038602.D	0.48	03142022T18:52:00	VL038645.D	0.467
0.033615225	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.468
0.062847932	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.453
0.031603534	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.464
0.037391621	2.602	MSVOA_L	VL038602.D	0.47	03142022T18:52:00	VL038645.D	0.439
0.033947938	2.602	MSVOA_L	VL038602.D	0.36	03142022T18:52:00	VL038645.D	0.391
0.024307749	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.317
0.083781636	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.414
0.02525132	2.602	MSVOA_L	VL038602.D	0.39	03142022T18:52:00	VL038645.D	0.359
0.080544708	2.602	MSVOA_L	VL038602.D	0.49	03142022T18:52:00	VL038645.D	0.43
0.033569579	2.602	MSVOA_L	VL038602.D	0.5	03142022T18:52:00	VL038645.D	0.472
0.030038864	2.602	MSVOA_L	VL038602.D	0.39	03142022T18:52:00	VL038645.D	0.412
0.044355712	2.602	MSVOA_L	VL038602.D	0.33	03142022T18:52:00	VL038645.D	0.357
0.038739676	2.602	MSVOA_L	VL038602.D	0.35	03142022T18:52:00	VL038645.D	0.349
0.032348107	2.602	MSVOA_L	VL038602.D	0.48	03142022T18:52:00	VL038645.D	0.5
0.04092432	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.411
0.026260236	2.602	MSVOA_L	VL038602.D	0.47	03142022T18:52:00	VL038645.D	0.44
0.033337666	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.387
0.079104967	2.602	MSVOA_L	VL038602.D	0.76	03142022T18:52:00	VL038645.D	0.762
0.032870389	2.602	MSVOA_L	VL038602.D	0.31	03142022T18:52:00	VL038645.D	0.334
0.045944169	2.602	MSVOA_L	VL038602.D	0.41	03142022T18:52:00	VL038645.D	0.418
0.070735069	2.602	MSVOA_L	VL038602.D	0.49	03142022T18:52:00	VL038645.D	0.479
0.02880907	2.602	MSVOA_L	VL038602.D	0.25	03142022T18:52:00	VL038645.D	0.289
0.057070096	2.602	MSVOA_L	VL038602.D	0.14	03142022T18:52:00	VL038645.D	0.074
0.031520826	2.602	MSVOA_L	VL038602.D	0.35	03142022T18:52:00	VL038645.D	0.366
0.029937087	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.365
0.045207623	2.602	MSVOA_L	VL038602.D	0.36	03142022T18:52:00	VL038645.D	0.368
0.032938073	2.602	MSVOA_L	VL038602.D	0.35	03142022T18:52:00	VL038645.D	0.366
0.05526165	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.443
0.035804795	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.392
0.042061661	2.602	MSVOA_L	VL038602.D	0.26	03142022T18:52:00	VL038645.D	0.275
0.022957116	2.602	MSVOA_L	VL038602.D	0.27	03142022T18:52:00	VL038645.D	0.29
0.072141412	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.459
0.035649626	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.405
0.005558402	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.031
0.047138758	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.324
0.042	2.602	MSVOA_L	VL038602.D	0.31	03142022T18:52:00	VL038645.D	0.332
0.07120086	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.396
0.006363634	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.035
0.060517215	2.602	MSVOA_L	VL038602.D	0.46	03142022T18:52:00	VL038645.D	0.472
0.058559372	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.389
0.00522135	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.031
0.105747594	2.998	MSVOA_L	VL040210.D	0.438	02222023T00:52:00	VL040220.D	0.43

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Adate2	Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5
03182022T03:39:00	VL039242.D	0.45	06082022T19:44:00	VL039436.D	0.45	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.036	06222022T20:53:00	VL039439.D	0.033	07062022T09:13:00	VL039570.D
03212022T20:11:00	VL039329.D	0.029	06222022T20:53:00	VL039439.D	0.035	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.417	06082022T19:44:00	VL039436.D	0.445	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.615	06082022T19:44:00	VL039436.D	0.498	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.493	06082022T19:44:00	VL039436.D	0.545	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.594	06082022T19:44:00	VL039436.D	0.485	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.318	06082022T19:44:00	VL039436.D	0.328	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.389	06082022T19:44:00	VL039436.D	0.387	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.392	06082022T19:44:00	VL039436.D	0.391	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.409	06082022T19:44:00	VL039436.D	0.393	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.494	06082022T19:44:00	VL039436.D	0.435	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.404	06082022T19:44:00	VL039436.D	0.451	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.421	06082022T19:44:00	VL039436.D	0.397	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.583	06082022T19:44:00	VL039436.D	0.486	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.409	06082022T19:44:00	VL039436.D	0.465	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.392	06082022T19:44:00	VL039436.D	0.41	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.454	06082022T19:44:00	VL039436.D	0.535	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.37	06082022T19:44:00	VL039436.D	0.425	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.438	06082022T19:44:00	VL039436.D	0.482	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.415	06082022T19:44:00	VL039436.D	0.401	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.309	06082022T19:44:00	VL039436.D	0.31	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.391	06082022T19:44:00	VL039436.D	0.393	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.371	06082022T19:44:00	VL039436.D	0.372	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.649	06082022T19:44:00	VL039436.D	0.621	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.58	06082022T19:44:00	VL039436.D	0.45	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.391	06082022T19:44:00	VL039436.D	0.429	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.328	06082022T19:44:00	VL039436.D	0.438	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.398	06082022T19:44:00	VL039436.D	0.395	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.526	06082022T19:44:00	VL039436.D	0.475	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.335	06082022T19:44:00	VL039436.D	0.322	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.535	06082022T19:44:00	VL039436.D	0.503	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.494	06082022T19:44:00	VL039436.D	0.389	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.028	06222022T20:53:00	VL039439.D	0.03	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.418	06082022T19:44:00	VL039436.D	0.473	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.489	06082022T19:44:00	VL039436.D	0.483	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.595	06082022T19:44:00	VL039436.D	0.52	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.453	06082022T19:44:00	VL039436.D	0.469	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.5	06082022T19:44:00	VL039436.D	0.482	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.403	06082022T19:44:00	VL039436.D	0.434	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.315	06082022T19:44:00	VL039436.D	0.327	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.428	06082022T19:44:00	VL039436.D	0.512	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.359	06082022T19:44:00	VL039436.D	0.37	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.618	06082022T19:44:00	VL039436.D	0.675	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.551	06082022T19:44:00	VL039436.D	0.51	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.376	06082022T19:44:00	VL039436.D	0.441	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.374	06082022T19:44:00	VL039436.D	0.381	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.33	06082022T19:44:00	VL039436.D	0.41	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.444	06082022T19:44:00	VL039436.D	0.472	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.394	06082022T19:44:00	VL039436.D	0.47	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.504	06082022T19:44:00	VL039436.D	0.465	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.425	06082022T19:44:00	VL039436.D	0.416	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.815	06082022T19:44:00	VL039436.D	0.805	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.347	06082022T19:44:00	VL039436.D	0.361	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.492	06082022T19:44:00	VL039436.D	0.452	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.684	06082022T19:44:00	VL039436.D	0.578	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.282	06082022T19:44:00	VL039436.D	0.302	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.155	06082022T19:44:00	VL039436.D	0.143	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.39	06082022T19:44:00	VL039436.D	0.374	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.394	06082022T19:44:00	VL039436.D	0.397	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.421	06082022T19:44:00	VL039436.D	0.403	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.378	06082022T19:44:00	VL039436.D	0.388	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.435	06082022T19:44:00	VL039436.D	0.521	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.411	06082022T19:44:00	VL039436.D	0.406	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.345	06082022T19:44:00	VL039436.D	0.302	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.309	06082022T19:44:00	VL039436.D	0.279	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.655	06082022T19:44:00	VL039436.D	0.505	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.403	06082022T19:44:00	VL039436.D	0.388	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.036	06222022T20:53:00	VL039439.D	0.034	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.346	06082022T19:44:00	VL039436.D	0.38	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.341	06082022T19:44:00	VL039436.D	0.37	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.64	06082022T19:44:00	VL039436.D	0.494	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.038	06222022T20:53:00	VL039439.D	0.034	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.596	06082022T19:44:00	VL039436.D	0.492	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.418	06082022T19:44:00	VL039436.D	0.437	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.043	06222022T20:53:00	VL039439.D	0.036	07062022T09:13:00	VL039570.D
02232023T13:12:00	VL040329.D	0.51	04102023T17:39:00	VL040349.D	0.633	04122023T23:23:00	VL040559.D

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Concentration5	Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7
0.433	08182022T21:04:00	VL039600.D	0.463	08262022T12:33:00	VL039709.D	0.402	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.031	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.03	08182022T22:24:00	VL039586.D	0.029	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.404	08182022T21:04:00	VL039600.D	0.424	08262022T12:33:00	VL039709.D	0.412	10102022T23:30:00
0.448	08182022T21:04:00	VL039600.D	0.454	08262022T12:33:00	VL039709.D	0.438	10102022T23:30:00
0.426	08182022T21:04:00	VL039600.D	0.451	08262022T12:33:00	VL039709.D	0.445	10102022T23:30:00
0.394	08182022T21:04:00	VL039600.D	0.387	08262022T12:33:00	VL039709.D	0.427	10102022T23:30:00
0.314	08182022T21:04:00	VL039600.D	0.367	08262022T12:33:00	VL039709.D	0.373	10102022T23:30:00
0.342	08182022T21:04:00	VL039600.D	0.389	08262022T12:33:00	VL039709.D	0.389	10102022T23:30:00
0.361	08182022T21:04:00	VL039600.D	0.402	08262022T12:33:00	VL039709.D	0.375	10102022T23:30:00
0.408	08182022T21:04:00	VL039600.D	0.431	08262022T12:33:00	VL039709.D	0.448	10102022T23:30:00
0.411	08182022T21:04:00	VL039600.D	0.455	08262022T12:33:00	VL039709.D	0.418	10102022T23:30:00
0.444	08182022T21:04:00	VL039600.D	0.429	08262022T12:33:00	VL039709.D	0.373	10102022T23:30:00
0.331	08182022T21:04:00	VL039600.D	0.357	08262022T12:33:00	VL039709.D	0.342	10102022T23:30:00
0.405	08182022T21:04:00	VL039600.D	0.449	08262022T12:33:00	VL039709.D	0.422	10102022T23:30:00
0.368	08182022T21:04:00	VL039600.D	0.414	08262022T12:33:00	VL039709.D	0.399	10102022T23:30:00
0.404	08182022T21:04:00	VL039600.D	0.384	08262022T12:33:00	VL039709.D	0.439	10102022T23:30:00
0.373	08182022T21:04:00	VL039600.D	0.341	08262022T12:33:00	VL039709.D	0.418	10102022T23:30:00
0.348	08182022T21:04:00	VL039600.D	0.379	08262022T12:33:00	VL039709.D	0.392	10102022T23:30:00
0.314	08182022T21:04:00	VL039600.D	0.451	08262022T12:33:00	VL039709.D	0.354	10102022T23:30:00
0.312	08182022T21:04:00	VL039600.D	0.359	08262022T12:33:00	VL039709.D	0.348	10102022T23:30:00
0.27	08182022T21:04:00	VL039600.D	0.294	08262022T12:33:00	VL039709.D	0.326	10102022T23:30:00
0.284	08182022T21:04:00	VL039600.D	0.348	08262022T12:33:00	VL039709.D	0.355	10102022T23:30:00
0.322	08182022T21:04:00	VL039600.D	0.335	08262022T12:33:00	VL039709.D	0.32	10102022T23:30:00
0.363	08182022T21:04:00	VL039600.D	0.484	08262022T12:33:00	VL039709.D	0.5	10102022T23:30:00
0.418	08182022T21:04:00	VL039600.D	0.459	08262022T12:33:00	VL039709.D	0.379	10102022T23:30:00
0.345	08182022T21:04:00	VL039600.D	0.376	08262022T12:33:00	VL039709.D	0.398	10102022T23:30:00
0.394	08182022T21:04:00	VL039600.D	0.336	08262022T12:33:00	VL039709.D	0.356	10102022T23:30:00
0.382	08182022T21:04:00	VL039600.D	0.367	08262022T12:33:00	VL039709.D	0.377	10102022T23:30:00
0.408	08182022T21:04:00	VL039600.D	0.441	08262022T12:33:00	VL039709.D	0.388	10102022T23:30:00
0.305	08182022T21:04:00	VL039600.D	0.303	08262022T12:33:00	VL039709.D	0.293	10102022T23:30:00
0.364	08182022T21:04:00	VL039600.D	0.494	08262022T12:33:00	VL039709.D	0.464	10102022T23:30:00
0.399	08182022T21:04:00	VL039600.D	0.268	08262022T12:33:00	VL039709.D	0.332	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.027	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.431	08182022T21:04:00	VL039600.D	0.466	08262022T12:33:00	VL039709.D	0.46	10102022T23:30:00
0.456	08182022T21:04:00	VL039600.D	0.504	08262022T12:33:00	VL039709.D	0.446	10102022T23:30:00
0.462	08182022T21:04:00	VL039600.D	0.504	08262022T12:33:00	VL039709.D	0.531	10102022T23:30:00
0.423	08182022T21:04:00	VL039600.D	0.46	08262022T12:33:00	VL039709.D	0.411	10102022T23:30:00
0.392	08182022T21:04:00	VL039600.D	0.472	08262022T12:33:00	VL039709.D	0.485	10102022T23:30:00
0.36	08182022T21:04:00	VL039600.D	0.407	08262022T12:33:00	VL039709.D	0.438	10102022T23:30:00
0.277	08182022T21:04:00	VL039600.D	0.291	08262022T12:33:00	VL039709.D	0.284	10102022T23:30:00
0.376	08182022T21:04:00	VL039600.D	0.395	08262022T12:33:00	VL039709.D	0.383	10102022T23:30:00
0.339	08182022T21:04:00	VL039600.D	0.335	08262022T12:33:00	VL039709.D	0.301	10102022T23:30:00
0.62	08182022T21:04:00	VL039600.D	0.643	08262022T12:33:00	VL039709.D	0.694	10102022T23:30:00
0.454	08182022T21:04:00	VL039600.D	0.508	08262022T12:33:00	VL039709.D	0.473	10102022T23:30:00
0.341	08182022T21:04:00	VL039600.D	0.432	08262022T12:33:00	VL039709.D	0.395	10102022T23:30:00
0.297	08182022T21:04:00	VL039600.D	0.338	08262022T12:33:00	VL039709.D	0.334	10102022T23:30:00
0.347	08182022T21:04:00	VL039600.D	0.382	08262022T12:33:00	VL039709.D	0.407	10102022T23:30:00
0.447	08182022T21:04:00	VL039600.D	0.502	08262022T12:33:00	VL039709.D	0.468	10102022T23:30:00
0.385	08182022T21:04:00	VL039600.D	0.405	08262022T12:33:00	VL039709.D	0.435	10102022T23:30:00
0.458	08182022T21:04:00	VL039600.D	0.434	08262022T12:33:00	VL039709.D	0.481	10102022T23:30:00
0.361	08182022T21:04:00	VL039600.D	0.388	08262022T12:33:00	VL039709.D	0.405	10102022T23:30:00
0.673	08182022T21:04:00	VL039600.D	0.719	08262022T12:33:00	VL039709.D	0.688	10102022T23:30:00
0.3	08182022T21:04:00	VL039600.D	0.323	08262022T12:33:00	VL039709.D	0.346	10102022T23:30:00
0.337	08182022T21:04:00	VL039600.D	0.355	08262022T12:33:00	VL039709.D	0.396	10102022T23:30:00
0.536	08182022T21:04:00	VL039600.D	0.634	08262022T12:33:00	VL039709.D	0.499	10102022T23:30:00
0.28	08182022T21:04:00	VL039600.D	0.302	08262022T12:33:00	VL039709.D	0.291	10102022T23:30:00
0.158	08182022T21:04:00	VL039600.D	0.094	08262022T12:33:00	VL039709.D	0.149	10102022T23:30:00
0.321	08182022T21:04:00	VL039600.D	0.354	08262022T12:33:00	VL039709.D	0.358	10102022T23:30:00
0.332	08182022T21:04:00	VL039600.D	0.338	08262022T12:33:00	VL039709.D	0.347	10102022T23:30:00
0.315	08182022T21:04:00	VL039600.D	0.347	08262022T12:33:00	VL039709.D	0.354	10102022T23:30:00
0.316	08182022T21:04:00	VL039600.D	0.362	08262022T12:33:00	VL039709.D	0.358	10102022T23:30:00
0.499	08182022T21:04:00	VL039600.D	0.578	08262022T12:33:00	VL039709.D	0.533	10102022T23:30:00
0.359	08182022T21:04:00	VL039600.D	0.382	08262022T12:33:00	VL039709.D	0.371	10102022T23:30:00
0.23	08182022T21:04:00	VL039600.D	0.257	08262022T12:33:00	VL039709.D	0.278	10102022T23:30:00
0.252	08182022T21:04:00	VL039600.D	0.252	08262022T12:33:00	VL039709.D	0.273	10102022T23:30:00
0.384	08182022T21:04:00	VL039600.D	0.382	08262022T12:33:00	VL039709.D	0.454	10102022T23:30:00
0.345	08182022T21:04:00	VL039600.D	0.399	08262022T12:33:00	VL039709.D	0.371	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.038	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.299	08182022T21:04:00	VL039600.D	0.344	08262022T12:33:00	VL039709.D	0.389	10102022T23:30:00
0.288	08182022T21:04:00	VL039600.D	0.296	08262022T12:33:00	VL039709.D	0.33	10102022T23:30:00
0.375	08182022T21:04:00	VL039600.D	0.466	08262022T12:33:00	VL039709.D	0.437	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.031	08252022T20:23:00	VL039711.D	0.04	10112022T00:45:00
0.436	08182022T21:04:00	VL039600.D	0.47	08262022T12:33:00	VL039709.D	0.385	10102022T23:30:00
0.42	08182022T21:04:00	VL039600.D	0.483	08262022T12:33:00	VL039709.D	0.363	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.029	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.636	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.607	10042023T19:33:00

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Datafile8	Concentration8	Adate8	Datafile9	Concentration9	Adate9	Datafile10	Concentration10
VL040134.D	0.42	01302023T15:54:00	VL040210.D	0.383	02222023T00:52:00	VL040220.D	0.42
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.038	02232023T14:26:00	VL040223.D	0.033
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.032	02232023T14:26:00	VL040223.D	0.027
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.395	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.476	02222023T00:52:00	VL040220.D	0.47
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.436	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.452	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.32	01302023T15:54:00	VL040210.D	0.299	02222023T00:52:00	VL040220.D	0.32
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.375	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.38	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.378	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.434	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.432	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.344	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.396	02222023T00:52:00	VL040220.D	0.41
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.395	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.402	02222023T00:52:00	VL040220.D	0.4
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.387	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.352	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.416	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.34	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.32	01302023T15:54:00	VL040210.D	0.318	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.321	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.337	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.45	01302023T15:54:00	VL040210.D	0.482	02222023T00:52:00	VL040220.D	0.5
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.411	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.359	02222023T00:52:00	VL040220.D	0.39
VL040134.D	0.29	01302023T15:54:00	VL040210.D	0.311	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.378	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.413	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.32	01302023T15:54:00	VL040210.D	0.32	02222023T00:52:00	VL040220.D	0.33
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.408	02222023T00:52:00	VL040220.D	0.49
VL040134.D	0.31	01302023T15:54:00	VL040210.D	0.391	02222023T00:52:00	VL040220.D	0.37
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.033	02232023T14:26:00	VL040223.D	0.037
VL040134.D	0.44	01302023T15:54:00	VL040210.D	0.414	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.474	02222023T00:52:00	VL040220.D	0.46
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.416	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.47	01302023T15:54:00	VL040210.D	0.445	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.46	01302023T15:54:00	VL040210.D	0.443	02222023T00:52:00	VL040220.D	0.47
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.435	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.33	01302023T15:54:00	VL040210.D	0.284	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.49	01302023T15:54:00	VL040210.D	0.521	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.343	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.48	01302023T15:54:00	VL040210.D	0.497	02222023T00:52:00	VL040220.D	0.49
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.431	02222023T00:52:00	VL040220.D	0.46
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.398	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.309	02222023T00:52:00	VL040220.D	0.33
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.336	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.421	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.4	02222023T00:52:00	VL040220.D	0.41
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.479	02222023T00:52:00	VL040220.D	0.48
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.361	02222023T00:52:00	VL040220.D	0.4
VL040134.D	0.71	01302023T15:54:00	VL040210.D	0.699	02222023T00:52:00	VL040220.D	0.75
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.314	02222023T00:52:00	VL040220.D	0.35
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.421	02222023T00:52:00	VL040220.D	0.41
VL040134.D	0.44	01302023T15:54:00	VL040210.D	0.558	02222023T00:52:00	VL040220.D	0.57
VL040134.D	0.27	01302023T15:54:00	VL040210.D	0.246	02222023T00:52:00	VL040220.D	0.27
VL040134.D	0.19	01302023T15:54:00	VL040210.D	0.116	02222023T00:52:00	VL040220.D	0.21
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.349	02222023T00:52:00	VL040220.D	0.35
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.354	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.331	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.33	01302023T15:54:00	VL040210.D	0.329	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.42	01302023T15:54:00	VL040210.D	0.432	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.352	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.29	01302023T15:54:00	VL040210.D	0.262	02222023T00:52:00	VL040220.D	0.27
VL040134.D	0.3	01302023T15:54:00	VL040210.D	0.292	02222023T00:52:00	VL040220.D	0.3
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.395	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.349	02222023T00:52:00	VL040220.D	0.36
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.029	02232023T14:26:00	VL040223.D	0.031
VL040134.D	0.42	01302023T15:54:00	VL040210.D	0.368	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.297	02222023T00:52:00	VL040220.D	0.33
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.397	02222023T00:52:00	VL040220.D	0.42
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.027	02232023T14:26:00	VL040223.D	0.028
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.451	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.438	02222023T00:52:00	VL040220.D	0.4
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.033	02232023T14:26:00	VL040223.D	0.038
VL040805.D	0.675	10252023T18:12:00					

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Adate10	Datafile11	Concentration11	Adate11	Datafile12	Concentration12	Adate12	Datafile13
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.434	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.028	04102023T19:33:00	VL040346.D	0.027	04122023T19:50:00	VL040576.D
02232023T15:04:00	VL040332.D	0.023	04102023T19:33:00	VL040346.D	0.03	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.403	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.42	04102023T17:39:00	VL040349.D	0.429	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.43	04102023T17:39:00	VL040349.D	0.4	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.44	04102023T17:39:00	VL040349.D	0.419	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.3	04102023T17:39:00	VL040349.D	0.302	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.362	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.398	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.427	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.385	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.311	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.448	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.392	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.33	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.356	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.451	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.31	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.28	04102023T17:39:00	VL040349.D	0.29	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.303	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.339	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.58	04102023T17:39:00	VL040349.D	0.582	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.365	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.421	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.397	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.415	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.337	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.44	04102023T17:39:00	VL040349.D	0.51	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.342	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.028	04102023T19:33:00	VL040346.D	0.025	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.433	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.453	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.4	04102023T17:39:00	VL040349.D	0.487	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.43	04102023T17:39:00	VL040349.D	0.456	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.455	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.376	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.287	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.35	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.339	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.51	04102023T17:39:00	VL040349.D	0.483	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.46	04102023T17:39:00	VL040349.D	0.467	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.394	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.31	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.336	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.441	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.365	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.442	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.363	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.66	04102023T17:39:00	VL040349.D	0.659	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.305	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.362	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.533	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.26	04102023T17:39:00	VL040349.D	0.261	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.21	04102023T17:39:00	VL040349.D	0.19	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.334	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.345	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.327	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.314	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.42	04102023T17:39:00	VL040349.D	0.465	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.335	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.26	04102023T17:39:00	VL040349.D	0.257	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.27	04102023T17:39:00	VL040349.D	0.256	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.46	04102023T17:39:00	VL040349.D	0.427	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.327	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.022	04102023T19:33:00	VL040346.D	0.029	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.3	04102023T17:39:00	VL040349.D	0.347	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.291	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.391	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.029	04102023T19:33:00	VL040346.D	0.028	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.47	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.58	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.024	04102023T19:33:00	VL040346.D	0.029	04122023T19:50:00	VL040576.D

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Concentration13	Adate13	Datafile14	Concentration14	Adate14	Datafile15	Concentration15	Adate15
0.48	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.488	10042023T19:33:00
0.03	07312023T17:18:00	VL040581.D	0.031	07312023T20:41:00	VL040772.D	0.035	10122023T01:48:00
0.031	07312023T17:18:00	VL040581.D	0.026	07312023T20:41:00	VL040772.D	0.029	10122023T01:48:00
0.459	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.405	10042023T19:33:00
0.573	07272023T03:27:00	VL040579.D	0.5	07312023T19:20:00	VL040747.D	0.557	10042023T19:33:00
0.535	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.527	10042023T19:33:00
0.527	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.481	10042023T19:33:00
0.33	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.305	10042023T19:33:00
0.389	07272023T03:27:00	VL040579.D	0.3	07312023T19:20:00	VL040747.D	0.361	10042023T19:33:00
0.425	07272023T03:27:00	VL040579.D	0.32	07312023T19:20:00	VL040747.D	0.359	10042023T19:33:00
0.442	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.45	10042023T19:33:00
0.519	07272023T03:27:00	VL040579.D	0.41	07312023T19:20:00	VL040747.D	0.426	10042023T19:33:00
0.452	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.42	10042023T19:33:00
0.33	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.321	10042023T19:33:00
0.412	07272023T03:27:00	VL040579.D	0.41	07312023T19:20:00	VL040747.D	0.466	10042023T19:33:00
0.388	07272023T03:27:00	VL040579.D	0.33	07312023T19:20:00	VL040747.D	0.412	10042023T19:33:00
0.438	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.382	10042023T19:33:00
0.373	07272023T03:27:00	VL040579.D	0.29	07312023T19:20:00	VL040747.D	0.257	10042023T19:33:00
0.398	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.335	10042023T19:33:00
0.448	07272023T03:27:00	VL040579.D	0.37	07312023T19:20:00	VL040747.D	0.443	10042023T19:33:00
0.35	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.325	10042023T19:33:00
0.303	07272023T03:27:00	VL040579.D	0.22	07312023T19:20:00	VL040747.D	0.283	10042023T19:33:00
0.32	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.317	10042023T19:33:00
0.348	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.302	10042023T19:33:00
0.674	07272023T03:27:00	VL040579.D	0.48	07312023T19:20:00	VL040747.D	0.65	10042023T19:33:00
0.436	07272023T03:27:00	VL040579.D	0.37	07312023T19:20:00	VL040747.D	0.511	10042023T19:33:00
0.397	07272023T03:27:00	VL040579.D	0.3	07312023T19:20:00	VL040747.D	0.386	10042023T19:33:00
0.425	07272023T03:27:00	VL040579.D	0.34	07312023T19:20:00	VL040747.D	0.307	10042023T19:33:00
0.467	07272023T03:27:00	VL040579.D	0.4	07312023T19:20:00	VL040747.D	0.409	10042023T19:33:00
0.508	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.506	10042023T19:33:00
0.352	07272023T03:27:00	VL040579.D	0.33	07312023T19:20:00	VL040747.D	0.349	10042023T19:33:00
0.543	07272023T03:27:00	VL040579.D	0.46	07312023T19:20:00	VL040747.D	0.496	10042023T19:33:00
0.46	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.477	10042023T19:33:00
0.036	07312023T17:18:00	VL040581.D	0.033	07312023T20:41:00	VL040772.D	0.031	10122023T01:48:00
0.481	07272023T03:27:00	VL040579.D	0.38	07312023T19:20:00	VL040747.D	0.489	10042023T19:33:00
0.526	07272023T03:27:00	VL040579.D	0.45	07312023T19:20:00	VL040747.D	0.55	10042023T19:33:00
0.516	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.576	10042023T19:33:00
0.521	07272023T03:27:00	VL040579.D	0.41	07312023T19:20:00	VL040747.D	0.501	10042023T19:33:00
0.486	07272023T03:27:00	VL040579.D	0.39	07312023T19:20:00	VL040747.D	0.544	10042023T19:33:00
0.405	07272023T03:27:00	VL040579.D	0.32	07312023T19:20:00	VL040747.D	0.431	10042023T19:33:00
0.295	07272023T03:27:00	VL040579.D	0.25	07312023T19:20:00	VL040747.D	0.298	10042023T19:33:00
0.301	07272023T03:27:00	VL040579.D	0.21	07312023T19:20:00	VL040747.D	0.317	10042023T19:33:00
0.403	07272023T03:27:00	VL040579.D	0.35	07312023T19:20:00	VL040747.D	0.381	10042023T19:33:00
0.54	07272023T03:27:00	VL040579.D	0.47	07312023T19:20:00	VL040747.D	0.562	10042023T19:33:00
0.516	07272023T03:27:00	VL040579.D	0.46	07312023T19:20:00	VL040747.D	0.509	10042023T19:33:00
0.424	07272023T03:27:00	VL040579.D	0.34	07312023T19:20:00	VL040747.D	0.441	10042023T19:33:00
0.32	07272023T03:27:00	VL040579.D	0.21	07312023T19:20:00	VL040747.D	0.299	10042023T19:33:00
0.341	07272023T03:27:00	VL040579.D	0.25	07312023T19:20:00	VL040747.D	0.355	10042023T19:33:00
0.466	07272023T03:27:00	VL040579.D	0.37	07312023T19:20:00	VL040747.D	0.479	10042023T19:33:00
0.38	07272023T03:27:00	VL040579.D	0.31	07312023T19:20:00	VL040747.D	0.465	10042023T19:33:00
0.451	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.426	10042023T19:33:00
0.379	07272023T03:27:00	VL040579.D	0.29	07312023T19:20:00	VL040747.D	0.386	10042023T19:33:00
0.735	07272023T03:27:00	VL040579.D	0.54	07312023T19:20:00	VL040747.D	0.682	10042023T19:33:00
0.283	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.324	10042023T19:33:00
0.468	07272023T03:27:00	VL040579.D	0.38	07312023T19:20:00	VL040747.D	0.472	10042023T19:33:00
0.619	07272023T03:27:00	VL040579.D	0.62	07312023T19:20:00	VL040747.D	0.625	10042023T19:33:00
0.274	07272023T03:27:00	VL040579.D	0.19	07312023T19:20:00	VL040747.D	0.258	10042023T19:33:00
0.107	07272023T03:27:00	VL040579.D	0.06	07312023T19:20:00	VL040747.D	0.133	10042023T19:33:00
0.361	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.343	10042023T19:33:00
0.355	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.369	10042023T19:33:00
0.355	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.301	10042023T19:33:00
0.357	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.313	10042023T19:33:00
0.436	07272023T03:27:00	VL040579.D	0.34	07312023T19:20:00	VL040747.D	0.471	10042023T19:33:00
0.393	07272023T03:27:00	VL040579.D	0.29	07312023T19:20:00	VL040747.D	0.354	10042023T19:33:00
0.242	07272023T03:27:00	VL040579.D	0.17	07312023T19:20:00	VL040747.D	0.266	10042023T19:33:00
0.283	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.312	10042023T19:33:00
0.539	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.394	10042023T19:33:00
0.366	07272023T03:27:00	VL040579.D	0.28	07312023T19:20:00	VL040747.D	0.381	10042023T19:33:00
0.025	07312023T17:18:00	VL040581.D	0.028	07312023T20:41:00	VL040772.D	0.044	10122023T01:48:00
0.353	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.351	10042023T19:33:00
0.285	07272023T03:27:00	VL040579.D	0.2	07312023T19:20:00	VL040747.D	0.288	10042023T19:33:00
0.477	07272023T03:27:00	VL040579.D	0.4	07312023T19:20:00	VL040747.D	0.507	10042023T19:33:00
0.027	07312023T17:18:00	VL040581.D	0.027	07312023T20:41:00	VL040772.D	0.039	10122023T01:48:00
0.589	07272023T03:27:00	VL040579.D	0.52	07312023T19:20:00	VL040747.D	0.561	10042023T19:33:00
0.487	07272023T03:27:00	VL040579.D	0.46	07312023T19:20:00	VL040747.D	0.456	10042023T19:33:00
0.03	07312023T17:18:00	VL040581.D	0.033	07312023T20:41:00	VL040772.D	0.041	10122023T01:48:00

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

Datafile16	Concentration16	Adate16	Department	AVG Concentration	Recovery
VL040805.D	0.428	10252023T18:12:00	VOC	0.45	110
VL040787.D	0.04	10232023T20:32:00	VOC	0.032	110
VL040787.D	0.04	10232023T20:32:00	VOC	0.03	100
VL040805.D	0.471	10252023T18:12:00	VOC	0.42	110
VL040805.D	0.476	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.427	10252023T18:12:00	VOC	0.46	110
VL040805.D	0.47	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.288	10252023T18:12:00	VOC	0.31	79
VL040805.D	0.435	10252023T18:12:00	VOC	0.37	93
VL040805.D	0.433	10252023T18:12:00	VOC	0.38	95
VL040805.D	0.405	10252023T18:12:00	VOC	0.41	100
VL040805.D	0.501	10252023T18:12:00	VOC	0.44	110
VL040805.D	0.456	10252023T18:12:00	VOC	0.42	100
VL040805.D	0.403	10252023T18:12:00	VOC	0.35	87
VL040805.D	0.455	10252023T18:12:00	VOC	0.44	110
VL040805.D	0.412	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.414	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.486	10252023T18:12:00	VOC	0.38	96
VL040805.D	0.434	10252023T18:12:00	VOC	0.37	93
VL040805.D	0.467	10252023T18:12:00	VOC	0.42	100
VL040805.D	0.42	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.353	10252023T18:12:00	VOC	0.3	75
VL040805.D	0.397	10252023T18:12:00	VOC	0.34	84
VL040805.D	0.403	10252023T18:12:00	VOC	0.34	84
VL040805.D	0.576	10252023T18:12:00	VOC	0.53	130
VL040805.D	0.422	10252023T18:12:00	VOC	0.43	110
VL040805.D	0.445	10252023T18:12:00	VOC	0.38	96
VL040805.D	0.205	10252023T18:12:00	VOC	0.36	91
VL040805.D	0.458	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.436	10252023T18:12:00	VOC	0.44	110
VL040805.D	0.34	10252023T18:12:00	VOC	0.33	82
VL040805.D	0.508	10252023T18:12:00	VOC	0.47	120
VL040805.D	0.361	10252023T18:12:00	VOC	0.38	95
VL040787.D	0.04	10232023T20:32:00	VOC	0.031	100
VL040805.D	0.454	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.517	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.435	10252023T18:12:00	VOC	0.47	120
VL040805.D	0.487	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.458	10252023T18:12:00	VOC	0.46	120
VL040805.D	0.435	10252023T18:12:00	VOC	0.4	99
VL040805.D	0.335	10252023T18:12:00	VOC	0.3	75
VL040805.D	0.416	10252023T18:12:00	VOC	0.39	96
VL040805.D	0.384	10252023T18:12:00	VOC	0.36	89
VL040805.D	0.516	10252023T18:12:00	VOC	0.54	140
VL040805.D	0.505	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.404	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.406	10252023T18:12:00	VOC	0.33	82
VL040805.D	0.404	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.446	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.452	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.442	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.435	10252023T18:12:00	VOC	0.38	96
VL040805.D	0.888	10252023T18:12:00	VOC	0.72	180
VL040805.D	0.348	10252023T18:12:00	VOC	0.32	80
VL040805.D	0.353	10252023T18:12:00	VOC	0.41	100
VL040805.D	0.619	10252023T18:12:00	VOC	0.56	140
VL040805.D	0.226	10252023T18:12:00	VOC	0.27	66
VL040805.D	0	10252023T18:12:00	VOC	0.14	35
VL040805.D	0.415	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.389	10252023T18:12:00	VOC	0.35	89
VL040805.D	0.439	10252023T18:12:00	VOC	0.35	87
VL040805.D	0.381	10252023T18:12:00	VOC	0.34	85
VL040805.D	0.467	10252023T18:12:00	VOC	0.46	110
VL040805.D	0.449	10252023T18:12:00	VOC	0.37	93
VL040805.D	0.35	10252023T18:12:00	VOC	0.27	67
VL040805.D	0.291	10252023T18:12:00	VOC	0.28	70
VL040805.D	0.37	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.427	10252023T18:12:00	VOC	0.37	92
VL040787.D	0.04	10232023T20:32:00	VOC	0.032	110
VL040805.D	0.416	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.38	10252023T18:12:00	VOC	0.31	78
VL040805.D	0.435	10252023T18:12:00	VOC	0.43	110
VL040787.D	0.05	10232023T20:32:00	VOC	0.033	110
VL040805.D	0.506	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.341	10252023T18:12:00	VOC	0.43	110
VL040787.D	0.04	10232023T20:32:00	VOC	0.033	110
			VOC	0.544	136

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2317

Client: RTP Environmental

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2317-01	AA-3	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q2317-01DUP	AA-3DUP	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q2317-02	115-IA-1	1-Bromo-4-Fluorobenzene	10	10.4	104		70 (65)	130 (135)
Q2317-02DL	115-IA-1DL	1-Bromo-4-Fluorobenzene	10	10.5	105		70 (65)	130 (135)
Q2317-03	115-IA-2	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)
Q2317-03DL	115-IA-2DL	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q2317-04	115-SG1	1-Bromo-4-Fluorobenzene	10	9.86	99		70 (65)	130 (135)
Q2317-05	115-SG2	1-Bromo-4-Fluorobenzene	10	10.4	104		70 (65)	130 (135)
VL0616ABL01	VL0616ABL01	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)
VL0616ABS01	VL0616ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)

( ) = 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.: Q2317

Client: RTP Environmental

Analytical Method: SWTO-15 **Datafile :** VL042624.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0616ABS01	Dichlorodifluoromethane	10	10.4	ppbv	104			40 (70)	160 (130)	
	Chloromethane	10	9.80	ppbv	98			40 (70)	160 (130)	
	Vinyl Chloride	10	9.10	ppbv	91			70 (70)	130 (130)	
	Bromomethane	10	9.30	ppbv	93			40 (70)	160 (130)	
	Chloroethane	10	9.70	ppbv	97			40 (70)	160 (130)	
	Tetrahydrofuran	10	10.7	ppbv	107			70 (70)	130 (130)	
	Trichlorofluoromethane	10	11.4	ppbv	114			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	11.4	ppbv	114			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	10.2	ppbv	102			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	10.2	ppbv	102			70 (70)	130 (130)	
	Heptane	10	9.60	ppbv	96			70 (70)	130 (130)	
	1,1-Dichloroethene	10	10.3	ppbv	103			70 (70)	130 (130)	
	Acetone	10	8.90	ppbv	89			40 (70)	160 (130)	
	Carbon disulfide	10	10.8	ppbv	108			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	10.2	ppbv	102			70 (70)	130 (130)	
	Methylene Chloride	10	9.30	ppbv	93			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,1-Dichloroethane	10	10.6	ppbv	106			70 (70)	130 (130)	
	Cyclohexane	10	9.20	ppbv	92			70 (70)	130 (130)	
	2-Butanone	10	11.1	ppbv	111			40 (70)	160 (130)	
	Carbon Tetrachloride	10	11.1	ppbv	111			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	10.0	ppbv	100			70 (70)	130 (130)	
	Chloroform	10	10.1	ppbv	101			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	9.70	ppbv	97			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	10.7	ppbv	107			70 (70)	130 (130)	
	Benzene	10	10.8	ppbv	108			70 (70)	130 (130)	
	1,2-Dichloroethane	10	11.7	ppbv	117			70 (70)	130 (130)	
	Trichloroethene	10	10.2	ppbv	102			70 (70)	130 (130)	
	1,2-Dichloropropane	10	10.6	ppbv	106			70 (70)	130 (130)	
	Bromodichloromethane	10	11.7	ppbv	117			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	10.9	ppbv	109			40 (70)	160 (130)	
	Toluene	10	10.3	ppbv	103			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	10.5	ppbv	105			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	10.8	ppbv	108			70 (70)	130 (130)	
	Dibromochloromethane	10	10.8	ppbv	108			70 (70)	130 (130)	
	1,2-Dibromoethane	10	10.6	ppbv	106			70 (70)	130 (130)	
	Tetrachloroethene	10	9.70	ppbv	97			70 (70)	130 (130)	
	Chlorobenzene	10	10.5	ppbv	105			70 (70)	130 (130)	
	Ethyl Benzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	m/p-Xylene	20	21.6	ppbv	108			70 (70)	130 (130)	
	o-Xylene	10	10.7	ppbv	107			70 (70)	130 (130)	
	Styrene	10	10.4	ppbv	104			70 (70)	130 (130)	
	Bromoform	10	10.8	ppbv	108			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	10.7	ppbv	107			70 (70)	130 (130)	
	2-Chlorotoluene	10	10.5	ppbv	105			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	10.4	ppbv	104			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2317

Client: RTP Environmental

Analytical Method: SWTO-15 **Datafile :** VL042624.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0616ABS01	1,3-Dichlorobenzene	10	10.4	ppbv	104			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	10.5	ppbv	105			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	10.4	ppbv	104			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	10.1	ppbv	101			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	9.10	ppbv	91			70 (70)	130 (130)	
	Naphthalene	10	10.8	ppbv	108			40 (70)	160 (130)	
	1,3-Butadiene	10	9.30	ppbv	93			70 (70)	130 (130)	
	4-Ethyltoluene	10	10.5	ppbv	105			70 (70)	130 (130)	
	Hexane	10	9.30	ppbv	93			70 (70)	130 (130)	
	Allyl Chloride	10	9.90	ppbv	99			70 (70)	130 (130)	
	1,4-Dioxane	10	10.3	ppbv	103			40 (70)	160 (130)	
	Methyl methacrylate	10	10.5	ppbv	105			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Duplicate Sample Summary

Lab Sample Id :	Q2317-01DUP		Q2317-01	
Client Id :	AA-3DUP		AA-3	
DF :	1		1	
Datafile :	VL042627.D		VL042626.D	
Anal Date & Time :	06/16/2025	14:01	06/16/2025	13:27

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	0.17	0.17	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	0.18	0.19	5.4
2-Butanone	0.61	0.65	6.3
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0.18	0.18	0
Acetone	10.6	10.2	3.8
Allyl Chloride	0	0	0
Benzene	0.31	0.32	3.2
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.08	0.08	0

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Duplicate Sample Summary

Lab Sample Id :	Q2317-01DUP		Q2317-01	
Client Id :	AA-3DUP		AA-3	
DF :	1		1	
Datafile :	VL042627.D		VL042626.D	
Anal Date & Time :	06/16/2025	14:01	06/16/2025	13:27

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.54	0.54	0
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.49	0.48	2.1
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0.11	0	200 *
Heptane	0.15	0.15	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	4.9	4.8	2.1
m/p-Xylene	0.51	0.48	6.1
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	3.3	3	9.5
Naphthalene	0	0	0
o-Xylene	0.24	0.23	4.3
Styrene	0.14	0.13	7.4
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0	0	0
Tetrahydrofuran	0	0	0
Toluene	0.48	0.46	4.3
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.28	0.27	3.6
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0616ABL01

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q2317 SAS No.: Q2317 SDG NO.: Q2317

Lab File ID: VL042623.D Lab Sample ID: VL0616ABL01

Date Analyzed: 06/16/2025 Time Analyzed: 09:43

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

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0616ABS01	VL0616ABS01	VL042624.D	06/16/2025
AA-3	Q2317-01	VL042626.D	06/16/2025
AA-3DUP	Q2317-01DUP	VL042627.D	06/16/2025
115-IA-1	Q2317-02	VL042628.D	06/16/2025
115-IA-2	Q2317-03	VL042629.D	06/16/2025
115-SG1	Q2317-04	VL042630.D	06/16/2025
115-SG2	Q2317-05	VL042632.D	06/16/2025
115-IA-1DL	Q2317-02DL	VL042636.D	06/16/2025
115-IA-2DL	Q2317-03DL	VL042637.D	06/16/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH   Contract: RTPE01

Lab Code: CHEM   Case No.: Q2317   SAS No.: Q2317   SDG NO.: Q2317

Lab File ID: VL042578.D   BFB Injection Date: 05/29/2025

Instrument ID: MSVOA_L   BFB Injection Time: 08:05

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.4
75	30.0 - 66.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	67.2
175	4.0 - 9.0% of mass 174	5.2 (7.7) 1
176	93.0 - 101.0% of mass 174	63.6 (94.6) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 2

1-Value is % mass 174   2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042579.D	05/29/2025	11:09
VSTDICC002	VSTDICC002	VL042580.D	05/29/2025	11:43
VSTDICC001	VSTDICC001	VL042581.D	05/29/2025	12:15
VSTDICC0.5	VSTDICC0.5	VL042582.D	05/29/2025	12:47
VSTDICC0.1	VSTDICC0.1	VL042583.D	05/29/2025	13:19
VSTDICC0.03	VSTDICC0.03	VL042584.D	05/29/2025	13:51
VSTDICC015	VSTDICC015	VL042585.D	05/29/2025	14:24

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH   Contract: RTPE01

Lab Code: CHEM   Case No.: Q2317   SAS No.: Q2317   SDG NO.: Q2317

Lab File ID: VL042621.D   BFB Injection Date: 06/16/2025

Instrument ID: MSVOA_L   BFB Injection Time: 08:07

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	24.4
75	30.0 - 66.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 120.0% of mass 95	62.6
175	4.0 - 9.0% of mass 174	4.7 (7.6) 1
176	93.0 - 101.0% of mass 174	60.6 (96.9) 1
177	5.0 - 9.0% of mass 176	4.1 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042622.D	06/16/2025	08:54
VL0616ABL01	VL0616ABL01	VL042623.D	06/16/2025	09:43
VL0616ABS01	VL0616ABS01	VL042624.D	06/16/2025	10:29
AA-3	Q2317-01	VL042626.D	06/16/2025	13:27
AA-3DUP	Q2317-01DUP	VL042627.D	06/16/2025	14:01
115-IA-1	Q2317-02	VL042628.D	06/16/2025	14:35
115-IA-2	Q2317-03	VL042629.D	06/16/2025	15:12
115-SG1	Q2317-04	VL042630.D	06/16/2025	15:46
115-SG2	Q2317-05	VL042632.D	06/16/2025	16:53
115-IA-1DL	Q2317-02DL	VL042636.D	06/16/2025	19:12
115-IA-2DL	Q2317-03DL	VL042637.D	06/16/2025	19:46

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q2317 SAS No.: Q2317 SDG NO.: Q2317

Lab File ID: VL042622.D Date Analyzed: 06/16/2025

Instrument ID: MSVOA_L Time Analyzed: 08:54

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	107738	2.79	288897	3.96	262507	8.88
UPPER LIMIT	150833	3.12	404456	4.29	367510	9.21
LOWER LIMIT	64642.8	2.46	173338	3.63	157504	8.55
EPA SAMPLE NO.						
AA-3	109400	2.79	291899	3.96	254916	8.89
AA-3DUP	104604	2.78	283556	3.96	252613	8.88
115-IA-1	106724	2.79	298270	3.96	259856	8.88
115-IA-1DL	99585	2.79	258626	3.96	228826	8.89
115-IA-2	106087	2.79	286951	3.96	264656	8.89
115-IA-2DL	101539	2.79	255635	3.96	225996	8.89
115-SG1	111111	2.79	291956	3.96	266931	8.89
115-SG2	104277	2.79	283950	3.97	250604	8.89
VL0616ABL01	108213	2.79	292209	3.96	252864	8.89
VL0616ABS01	107046	2.79	286719	3.96	259461	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

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	AA-3	SDG No.:	Q2317
Lab Sample ID:	Q2317-01	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
VL042626.D	1		06/16/25 13:27	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.48	2.37	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.54	1.12		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.27	1.52	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.15	0.61	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	10.2	24.2		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	3.00	10.4		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	0.65	1.92		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.080	0.50		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.19	0.89	J	0.47	2.34	ug/m3
71-43-2	Benzene	0.32	1.02	J	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.18	0.74	J	0.37	2.05	ug/m3
108-88-3	Toluene	0.46	1.73	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	AA-3	SDG No.:	Q2317
Lab Sample ID:	Q2317-01	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
VL042626.D	1		06/16/25 13:27	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.48	2.08	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.23	1.00	J	0.52	2.17	ug/m3
100-42-5	Styrene	0.13	0.55	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.17	0.84	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	4.80	16.9		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	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	109000		2.79			
540-36-3	1,4-Difluorobenzene	292000		3.962			
3114-55-4	Chlorobenzene-d5	255000		8.885			

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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	AA-3	SDG No.:	Q2317
Lab Sample ID:	Q2317-01	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
VL042626.D	1		06/16/25 13:27	VL061625

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042626.D
Acq On : 16 Jun 2025 13:27
Operator : SY/MD
Sample : Q2317-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 03:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
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	2.790	49	109400	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	291899	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	254916	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	197031	10.311	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6441	0.479	ppbv	95
3) Chlorodifluoromethane	1.476	51	5648m	0.305	ppbv	
4) Chloromethane	1.534	50	2886	0.542	ppbv #	86
9) Propene	1.486	41	4803	0.644	ppbv	93
10) Heptane	4.975	43	3134m	0.149	ppbv	
11) Trichlorofluoromethane	1.881	101	3345	0.267	ppbv	96
13) Ethanol	1.722	45	14866	16.727	ppbv	99
15) Acetone	1.839	43	134981	10.243	ppbv	96
19) Isopropyl Alcohol	1.890	45	7796	0.990	ppbv #	1
20) Methylene Chloride	2.065	84	12977	2.984	ppbv	98
26) Hexane	2.829	57	79039	4.824	ppbv #	43
34) 2-Butanone	2.564	43	13517	0.649	ppbv	99
35) Carbon Tetrachloride	3.771	117	1448m	0.075	ppbv	
36) Benzene	3.664	78	9139	0.318	ppbv	96
44) 2,2,4-Trimethylpentane	4.648	57	9375	0.191	ppbv #	80
50) 4-Methyl-2-Pentanone	5.778	43	5159m	0.179	ppbv	
53) Toluene	6.946	91	15331	0.461	ppbv	96
58) Ethyl Benzene	9.361	91	4480m	0.104	ppbv	
59) m/p-Xylene	9.535	91	16281m	0.478	ppbv	
60) o-Xylene	9.972	91	7762m	0.229	ppbv	
61) Styrene	9.885	104	2066m	0.129	ppbv	
74) 1,2,4-Trimethylbenzene	11.536	105	6700	0.172	ppbv #	65

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

Quantitation Report (QT Reviewed)

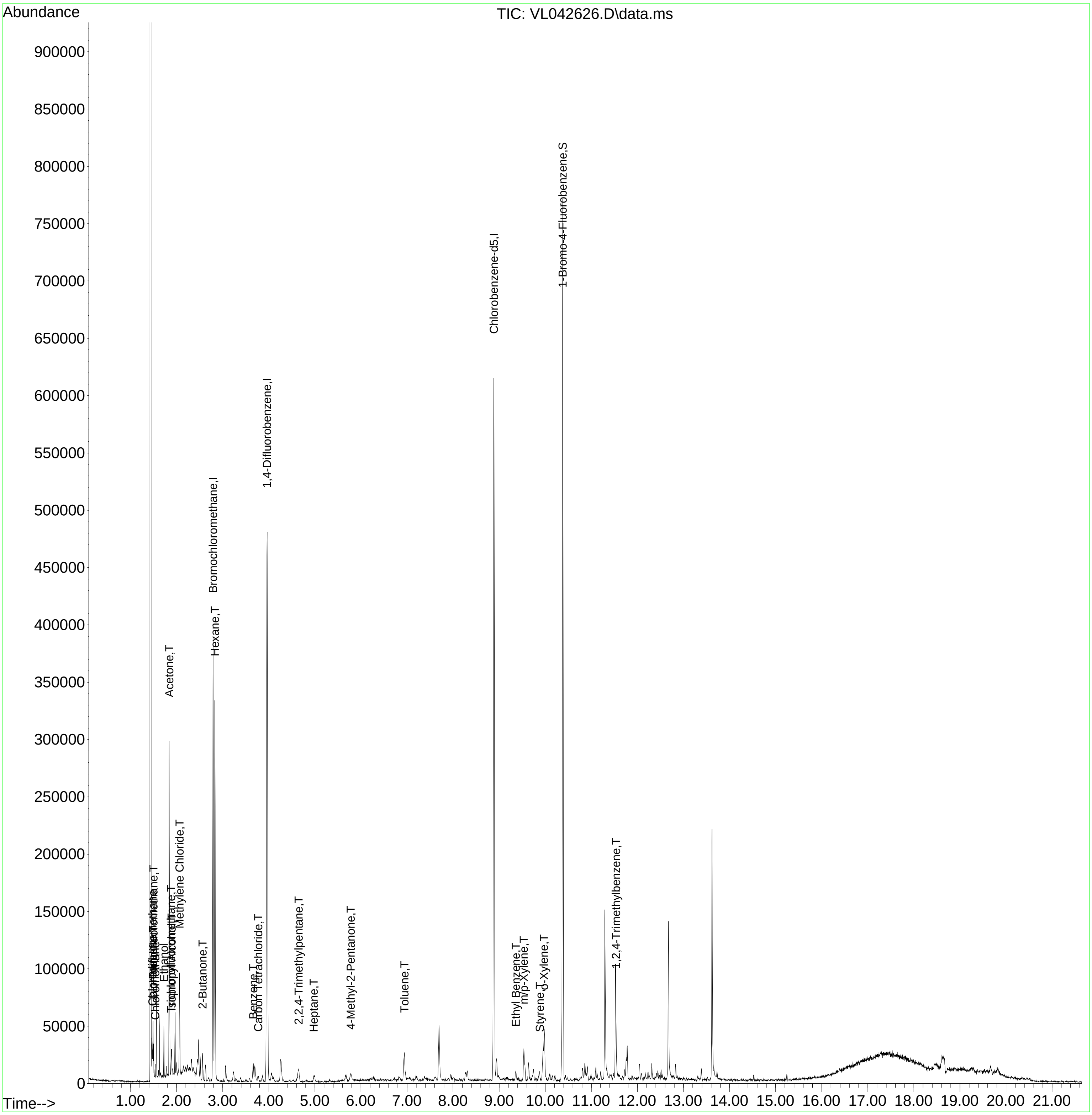
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042626.D
Acq On : 16 Jun 2025 13:27
Operator : SY/MD
Sample : Q2317-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

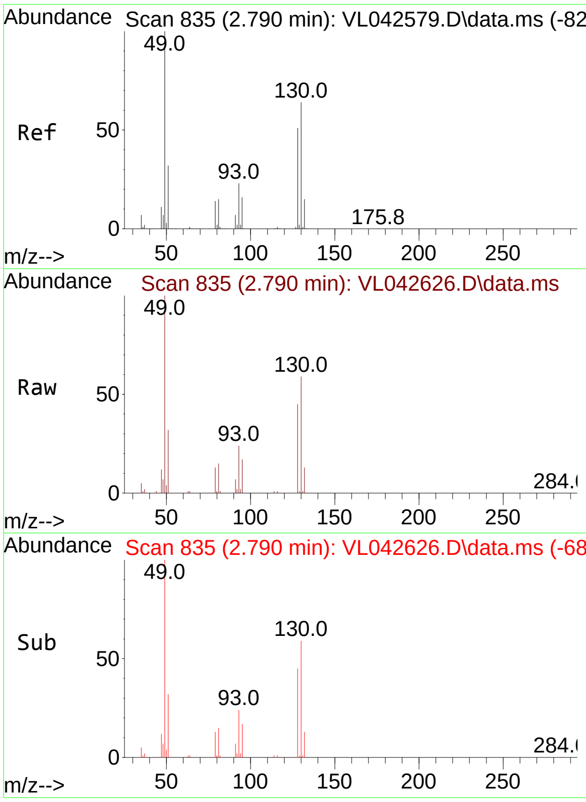
Quant Time: Jun 17 03:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





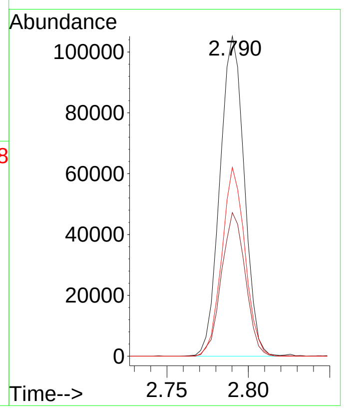
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

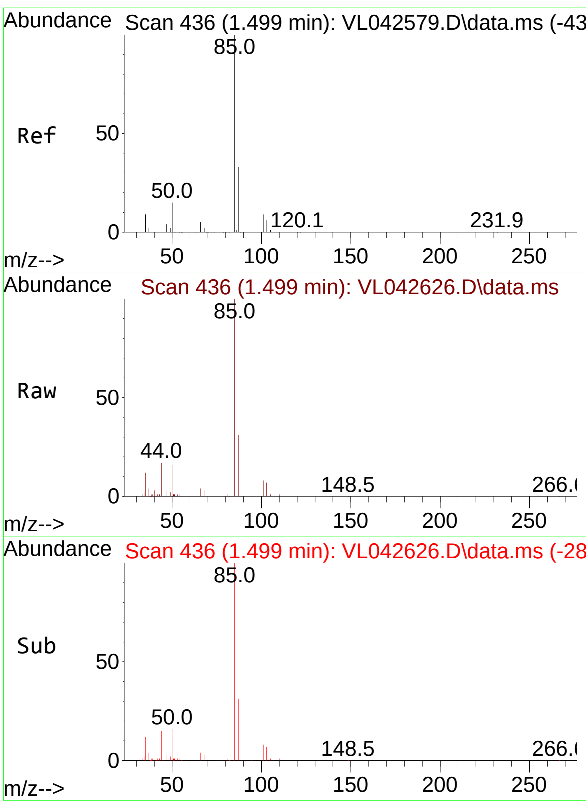
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 49 Resp: 10940(

Ion	Ratio	Lower	Upper
49	100		
128	44.2	24.2	72.6
130	56.2	30.4	91.2

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

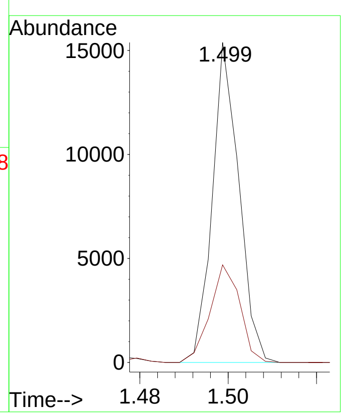


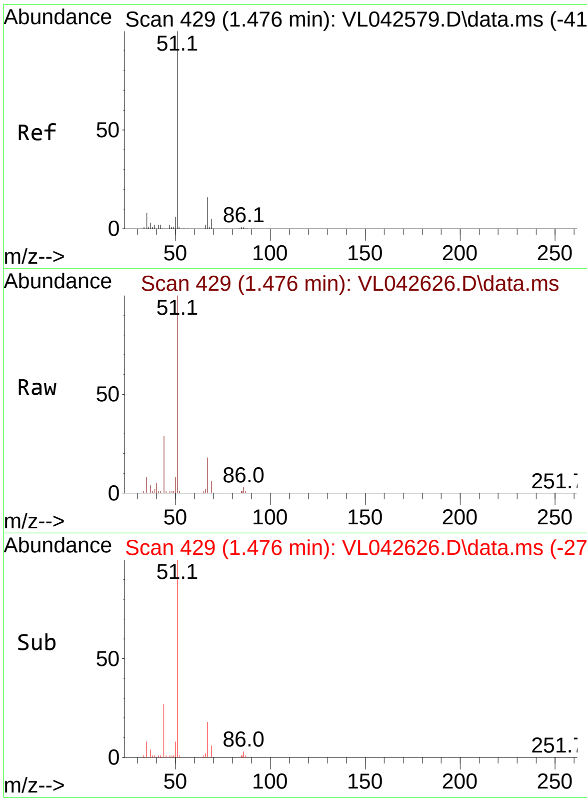


#2
Dichlorodifluoromethane
Concen: 0.479 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 85 Resp: 6441

Ion	Ratio	Lower	Upper
85	100		
87	30.5	26.6	39.8





#3
Chlorodifluoromethane
Concen: 0.305 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

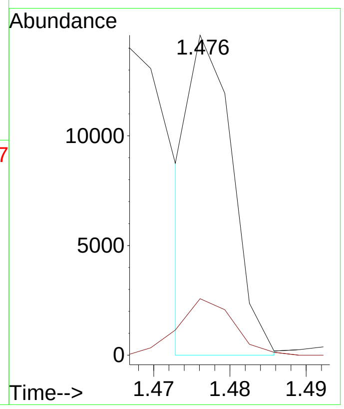
Instrument :
MSVOA_L
ClientSampleId :
AA-3

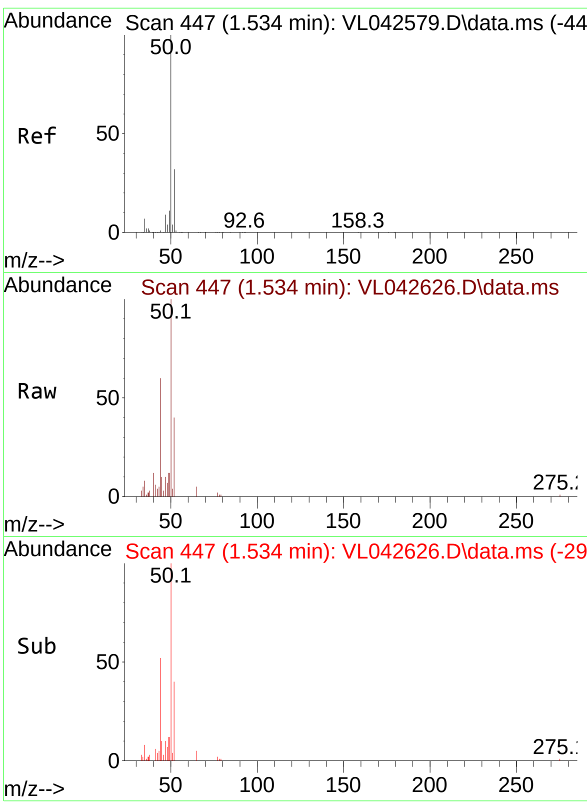
Tgt Ion: 51 Resp: 564

Ion	Ratio	Lower	Upper
51	100		
67	1.4	13.4	20.2#

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

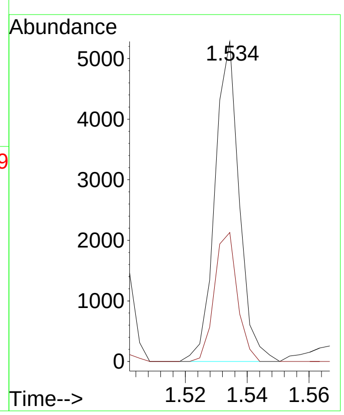


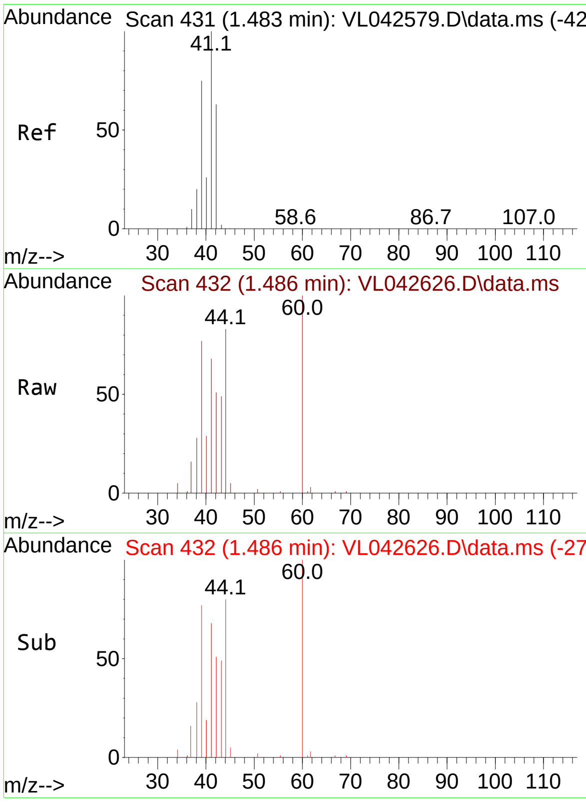


#4
Chloromethane
Concen: 0.542 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 50 Resp: 2886

Ion	Ratio	Lower	Upper
50	100		
52	40.3	25.8	38.6#





#9
Propene
Concen: 0.644 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

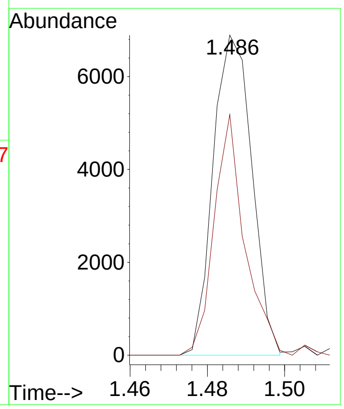
Instrument :
MSVOA_L
ClientSampleId :
AA-3

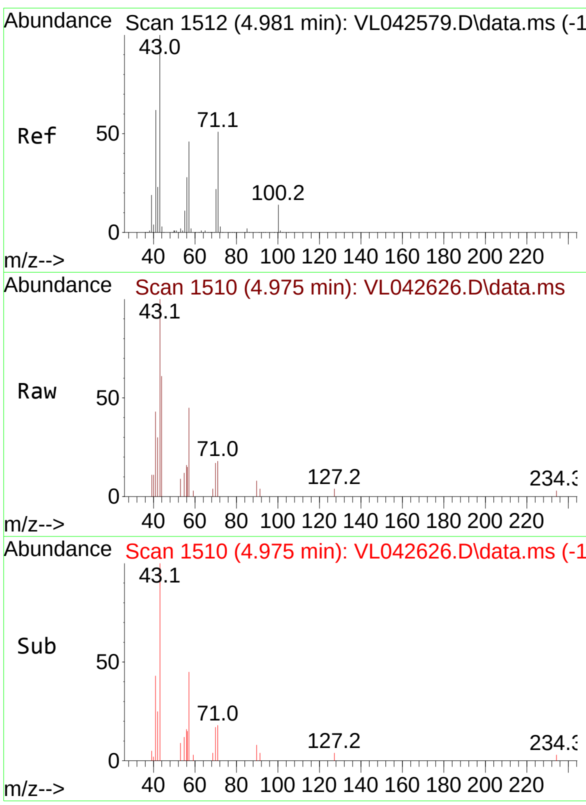
Tgt Ion: 41 Resp: 480

Ion	Ratio	Lower	Upper
41	100		
42	60.7	53.3	79.9

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

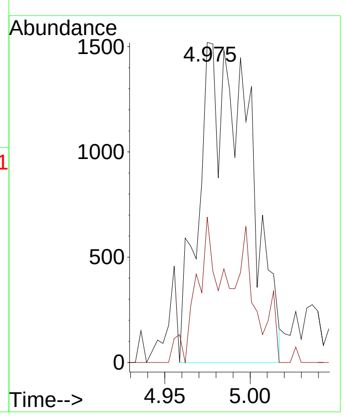


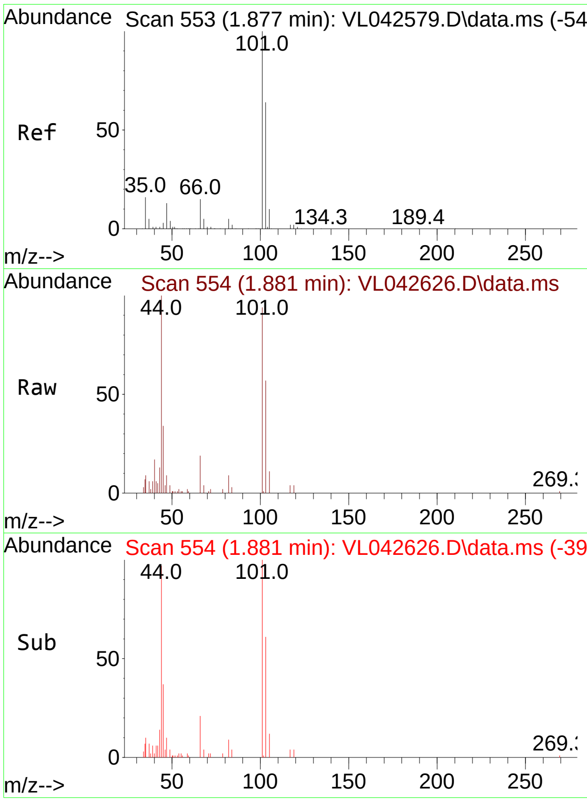


#10
Heptane
Concen: 0.149 ppbv m
RT: 4.975 min Scan# 1510
Delta R.T. -0.007 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 43 Resp: 3134

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#



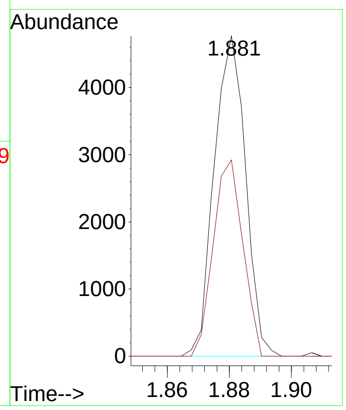


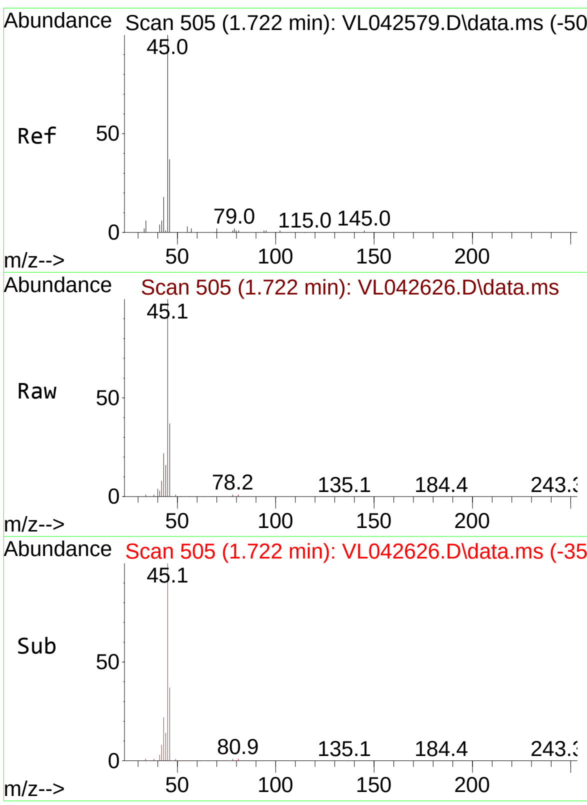
#11
Trichlorofluoromethane
Concen: 0.267 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:101 Resp: 3345
Ion Ratio Lower Upper
101 100
103 61.3 51.5 77.3

Instrument :
MSVOA_L
ClientSampleId :
AA-3

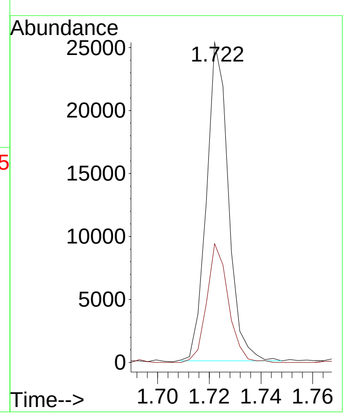
Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

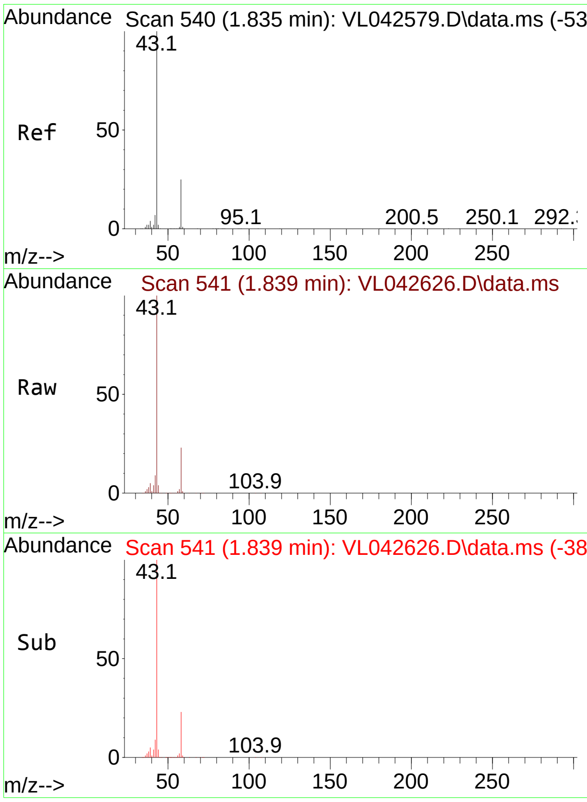




#13
Ethanol
Concen: 16.727 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 45 Resp: 14866
Ion Ratio Lower Upper
45 100
46 36.9 14.5 58.1





#15
Acetone
Concen: 10.243 ppbv
RT: 1.839 min   Scan# 54
Delta R.T.   0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

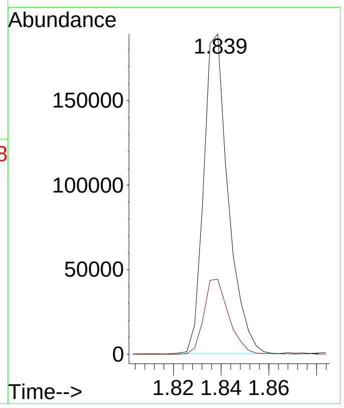
Instrument :
MSVOA_L
ClientSampleId :
AA-3

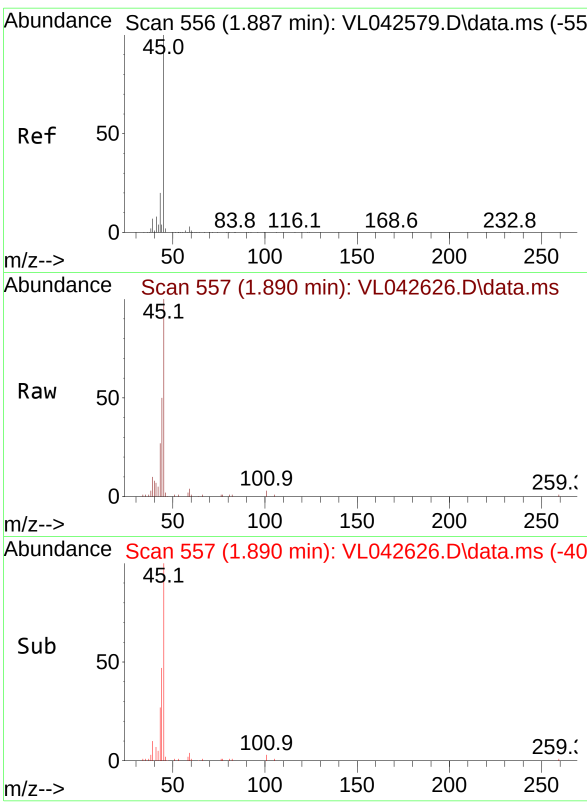
Tgt Ion: 43 Resp: 13498

Ion	Ratio	Lower	Upper
43	100		
58	24.0	21.0	31.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

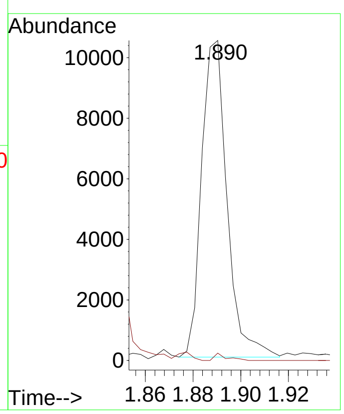


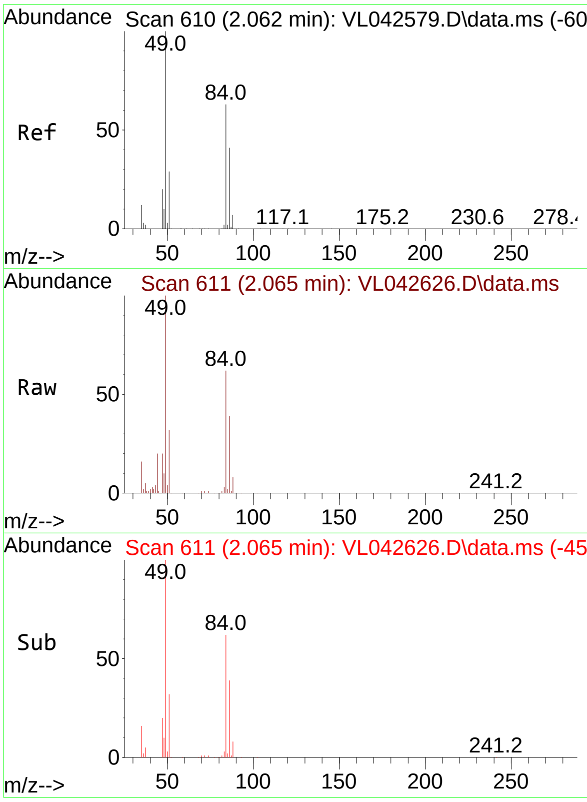


#19
Isopropyl Alcohol
Concen: 0.990 ppbv
RT: 1.890 min   Scan# 557
Delta R.T.   0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

Tgt Ion: 45 Resp: 7796

Ion	Ratio	Lower	Upper
45	100		
58	416.4	29.4	44.2#

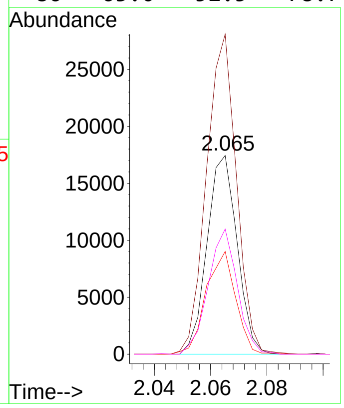




#20
Methylene Chloride
Concen: 2.984 ppbv
RT: 2.065 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 84 Resp: 1297

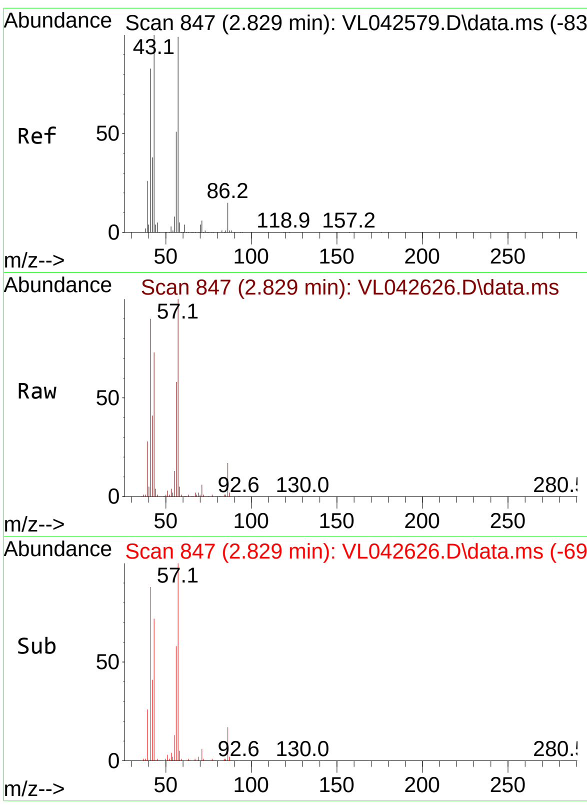
Ion	Ratio	Lower	Upper
84	100		
49	160.3	128.8	193.2
51	51.1	38.6	57.8
86	63.0	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations APPROVED

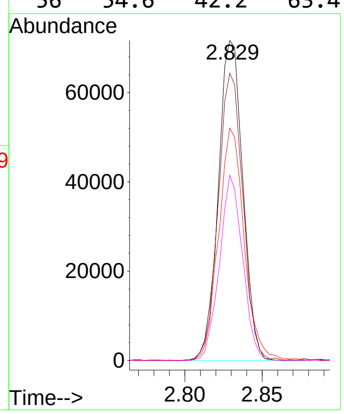
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

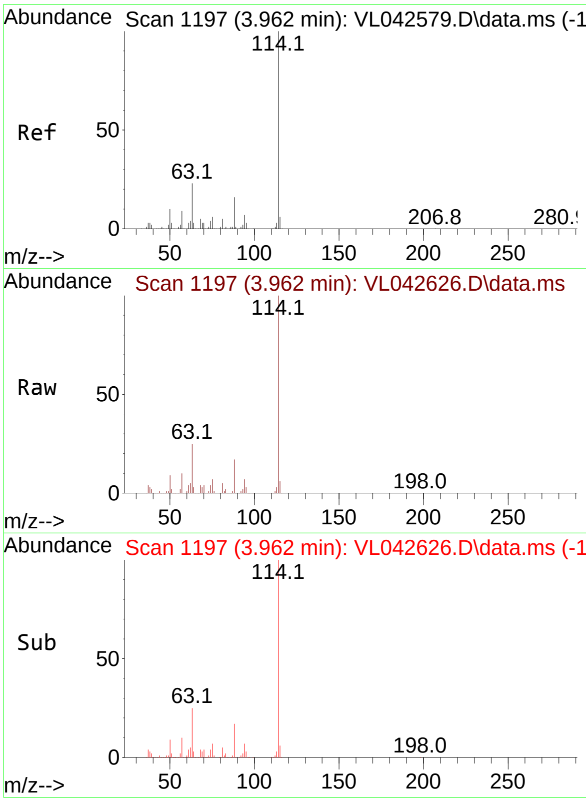


#26
Hexane
Concen: 4.824 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 57 Resp: 79039

Ion	Ratio	Lower	Upper
57	100		
41	90.3	70.6	106.0
43	76.2	181.1	271.7#
56	54.6	42.2	63.4





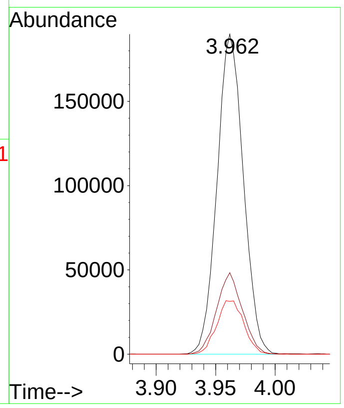
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

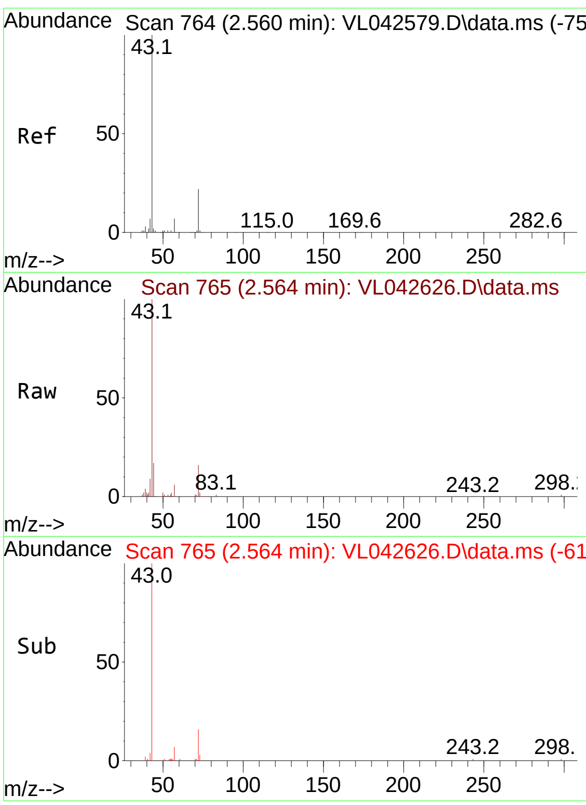
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:114 Resp: 29189

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.4	13.6	20.4

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

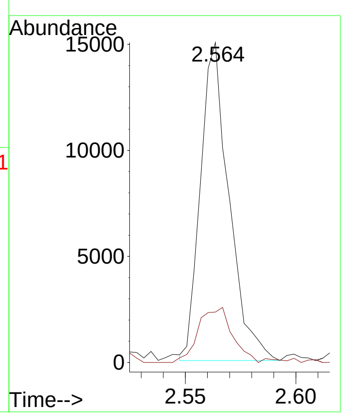


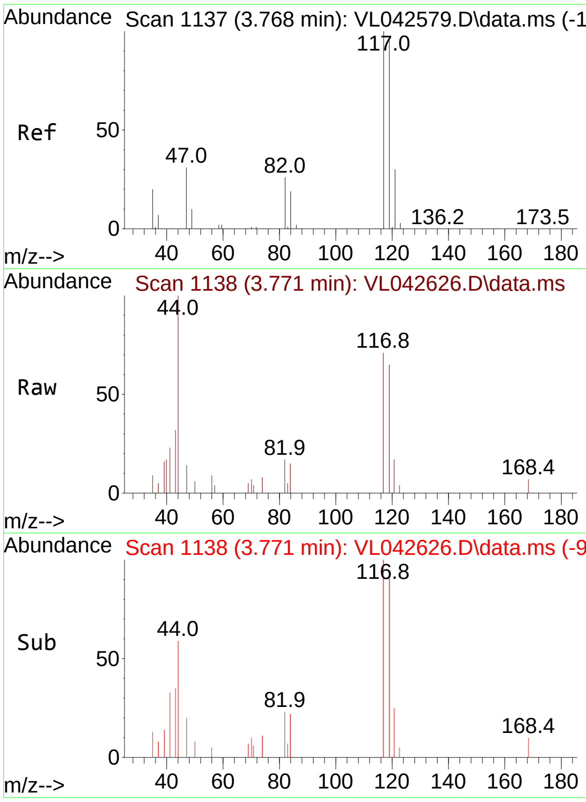


#34
2-Butanone
Concen: 0.649 ppbv
RT: 2.564 min   Scan# 765
Delta R.T.   0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

Tgt Ion: 43 Resp: 13517

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.7	26.5





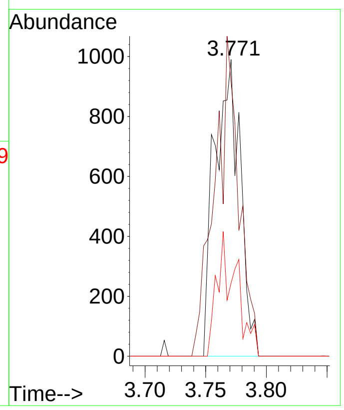
#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 3.771 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

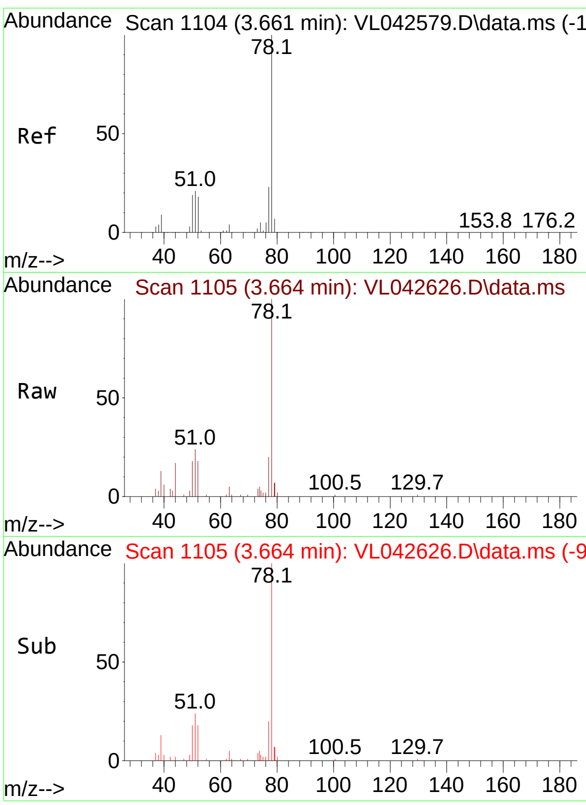
Tgt Ion:117 Resp: 1448

Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.8	115.2
121	24.6	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

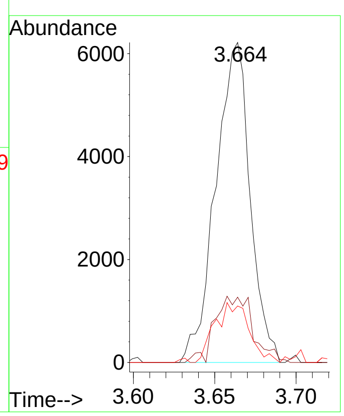


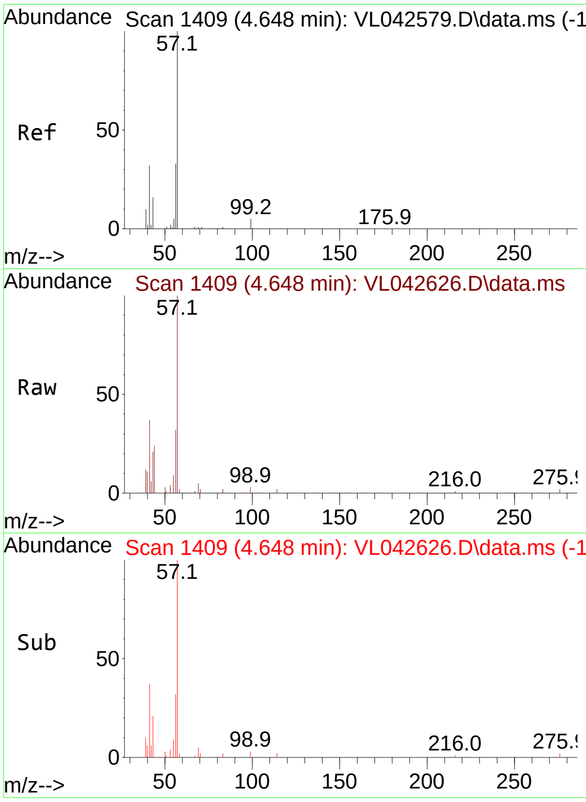


#36
Benzene
Concen: 0.318 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 78 Resp: 9139

Ion	Ratio	Lower	Upper
78	100		
77	20.4	18.2	27.2
50	17.6	15.2	22.8





#44
2,2,4-Trimethylpentane
Concen: 0.191 ppbv
RT: 4.648 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

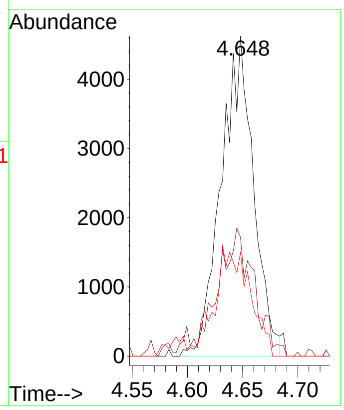
Tgt Ion: 57 Resp: 937

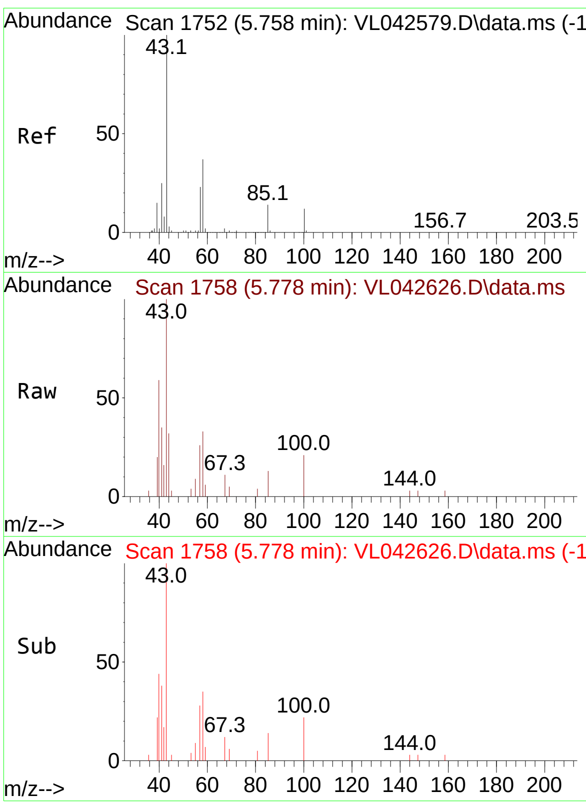
Ion	Ratio	Lower	Upper
57	100		
41	46.6	26.1	39.1#
56	40.9	25.9	38.9#

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

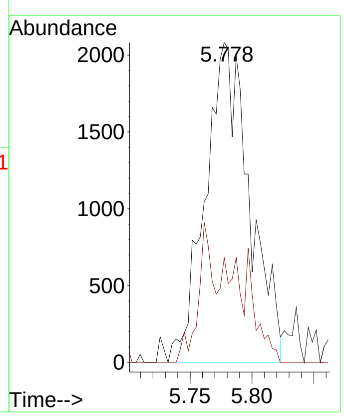


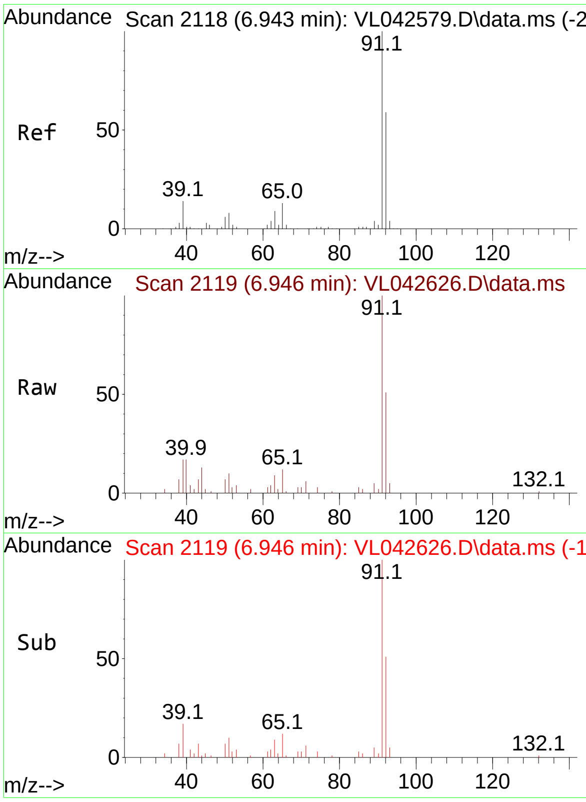


#50
4-Methyl-2-Pentanone
Concen: 0.179 ppbv m
RT: 5.778 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 43 Resp: 5159

Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.3	42.5





#53
Toluene
Concen: 0.461 ppbv
RT: 6.946 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 91 Resp: 1533

Ion	Ratio	Lower	Upper
91	100		
92	63.0	48.2	72.4

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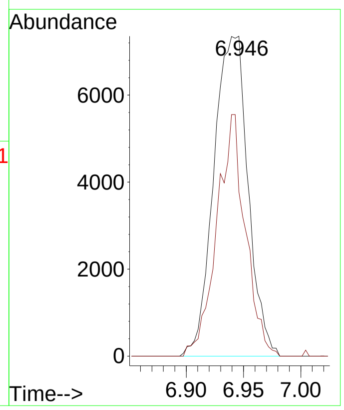
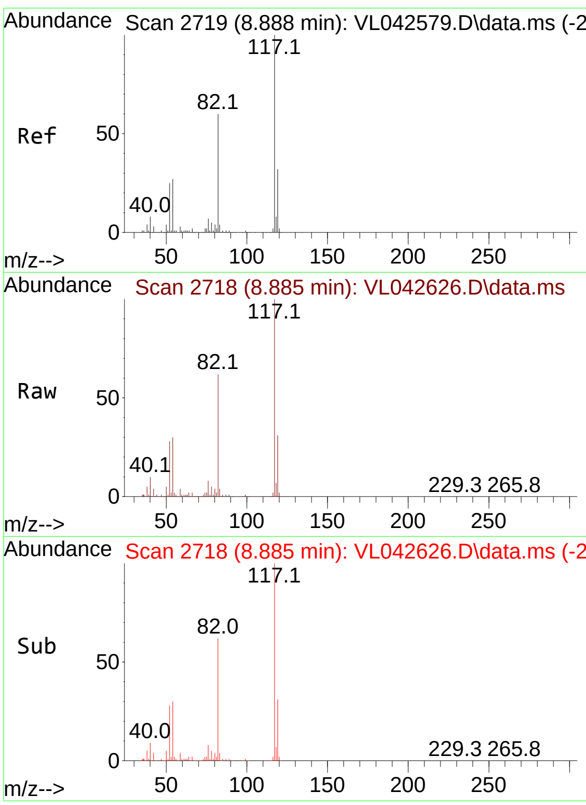
Supervised By :Mahesh Dadoda 06/17/2025

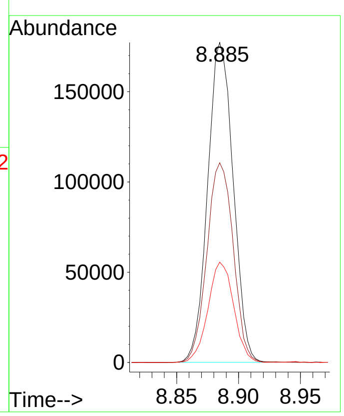


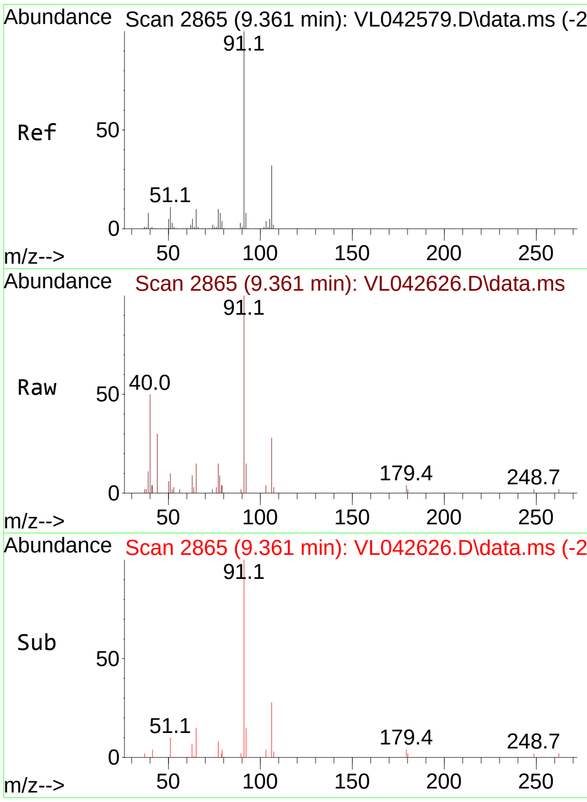


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:117 Resp: 254916

Ion	Ratio	Lower	Upper
117	100		
82	64.4	51.2	76.8
119	31.6	26.3	39.5





#58
Ethyl Benzene
Concen: 0.104 ppbv m
RT: 9.361 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 91 Resp: 448

Ion	Ratio	Lower	Upper
91	100		
106	28.3	25.9	38.9

Instrument :
MSVOA_L
ClientSampleId :
AA-3

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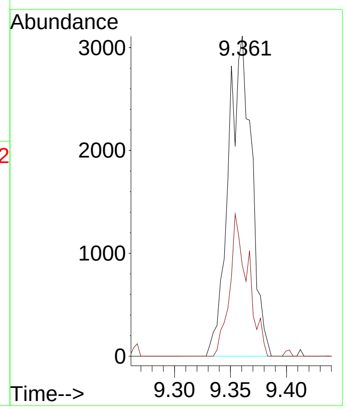
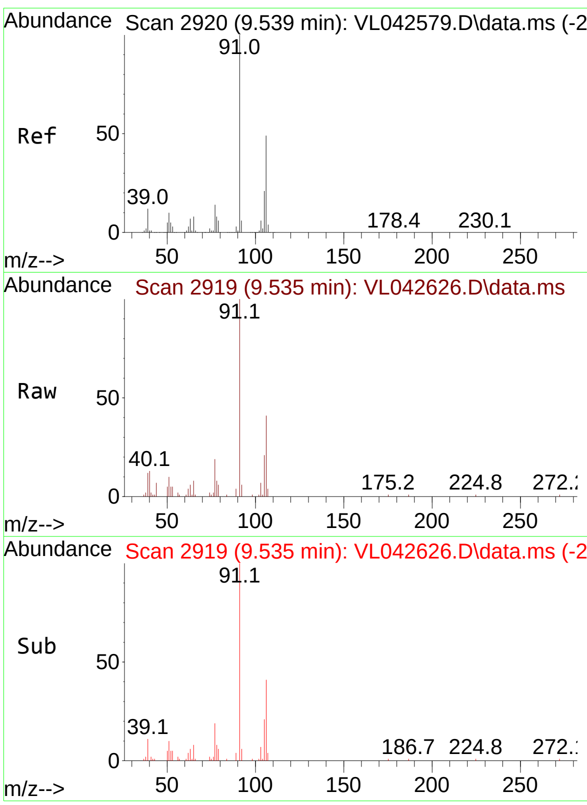
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

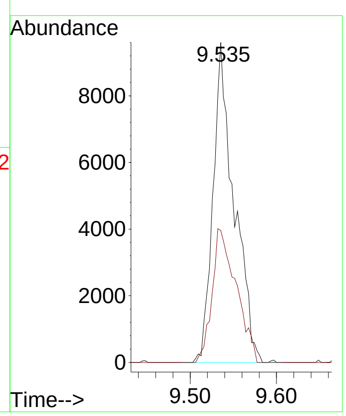


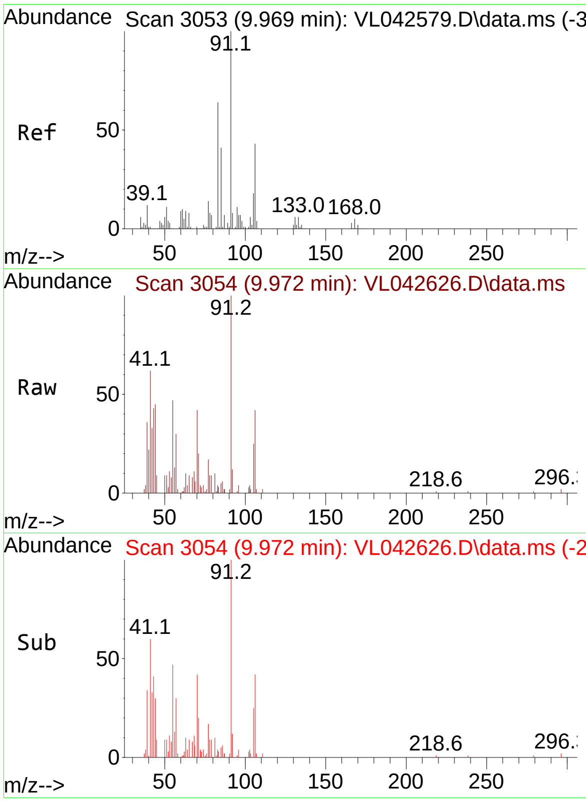


#59
m/p-Xylene
Concen: 0.478 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 91 Resp: 16281

Ion	Ratio	Lower	Upper
91	100		
106	47.8	38.8	58.2






```
#60
o-Xylene
Concen:    0.229 ppbv m
RT:   9.972 min  Scan# 3(
Delta R.T.  0.003 min
Lab File:   VL042626.D
Acq: 16 Jun 2025  13:27

Tgt Ion: 91 Resp:    776
Ion  Ratio  Lower  Upper
 91  100
106  100.3   22.9    68.5#
```

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations
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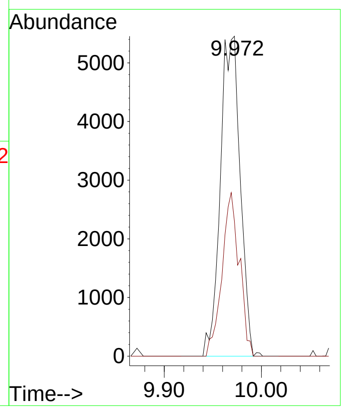
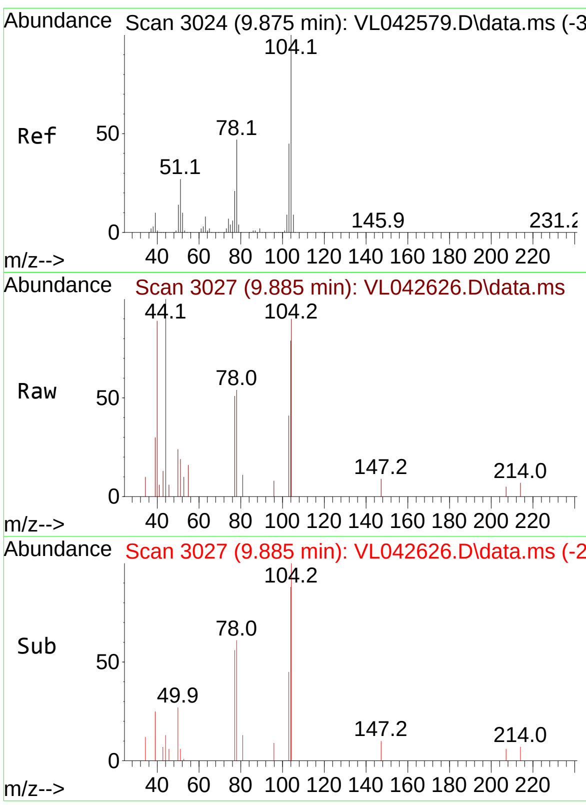
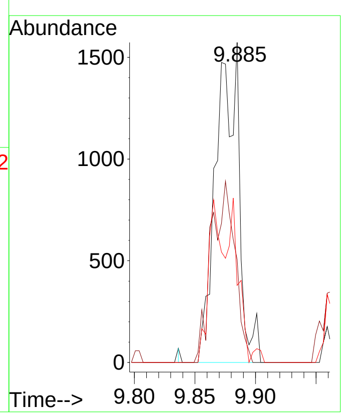
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

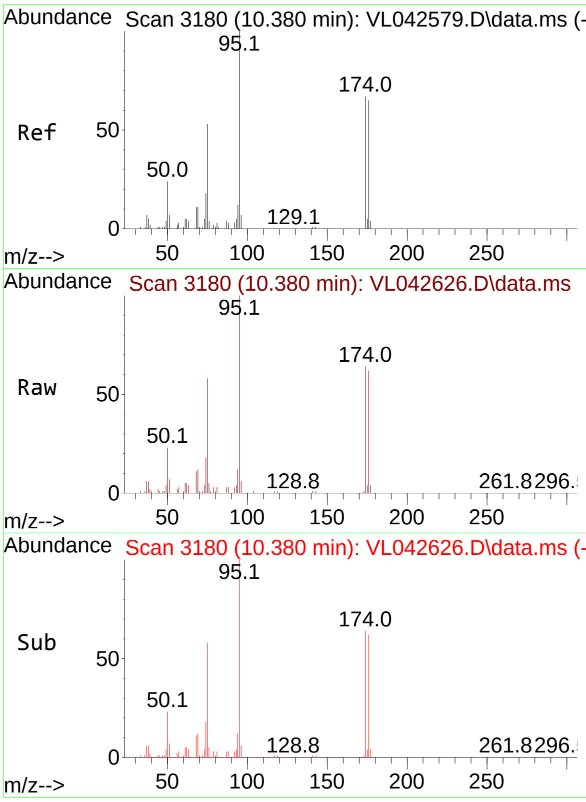





```
#61
Styrene
Concen:    0.129 ppbv m
RT:   9.885 min  Scan# 3027
Delta R.T.  0.010 min
Lab File:   VL042626.D
Acq: 16 Jun 2025  13:27

Tgt Ion:104 Resp:    2066
Ion  Ratio  Lower  Upper
104  100
 78   58.4   38.2    57.4#
103    0.0   36.7    55.1#
```





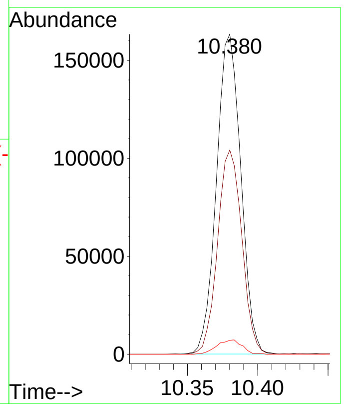
#68
1-Bromo-4-Fluorobenzene
Concen: 10.311 ppbv
RT: 10.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

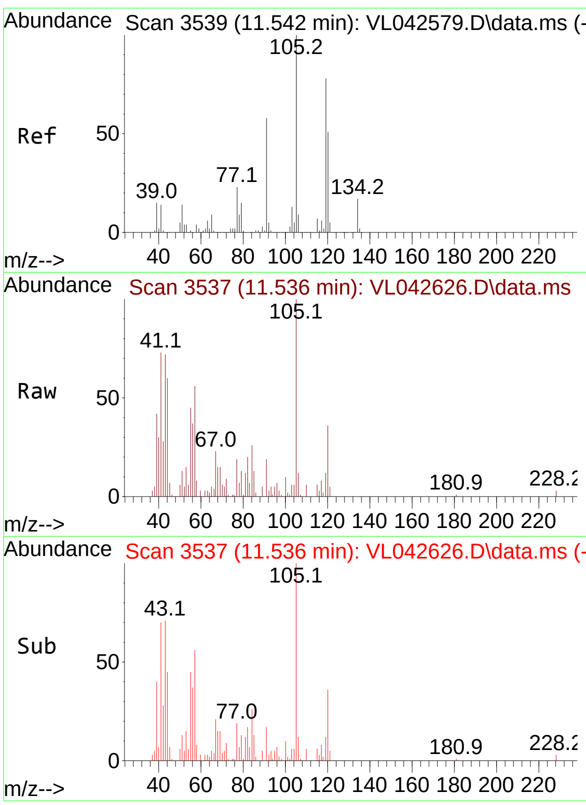
Tgt Ion: 95 Resp: 19703

Ion	Ratio	Lower	Upper
95	100		
174	63.6	53.1	79.7
175	4.7	4.2	6.2

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

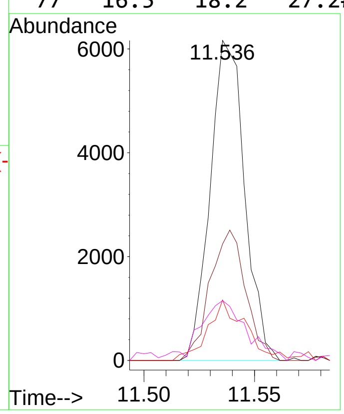




#74
1,2,4-Trimethylbenzene
Concen: 0.172 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.007 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:105 Resp: 6700

Ion	Ratio	Lower	Upper
105	100		
120	36.4	40.8	61.2#
91	17.0	46.8	70.2#
77	16.5	18.2	27.2#



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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-1	SDG No.:	Q2317
Lab Sample ID:	Q2317-02	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
VL042628.D	1		06/16/25 14:35	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.47	2.32	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.71	1.47		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	1.40	4.13		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	8.10	45.5		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.20	0.82	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	38.3	91.0	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	1.30	4.52		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	2.10	6.19		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.090	0.57		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.58	2.83		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.16	0.75	J	0.47	2.34	ug/m3
71-43-2	Benzene	0.33	1.05	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.17	0.69	J	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.050	0.27		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.26	1.07	J	0.37	2.05	ug/m3
108-88-3	Toluene	0.75	2.83		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-1	SDG No.:	Q2317
Lab Sample ID:	Q2317-02	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
VL042628.D	1		06/16/25 14:35	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.070	0.47		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	0.12	0.52	J	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.39	1.69	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.17	0.74	J	0.52	2.17	ug/m3
100-42-5	Styrene	0.14	0.60	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.28	1.38	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	17.4	105	E	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	4.10	14.4		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			70 (65) - 130 (135)	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	107000		2.787			
540-36-3	1,4-Difluorobenzene	298000		3.959			
3114-55-4	Chlorobenzene-d5	260000		8.882			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-1	SDG No.:	Q2317
Lab Sample ID:	Q2317-02	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
VL042628.D	1		06/16/25 14:35	VL061625

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\VL061625\
Data File : VL042628.D
Acq On : 16 Jun 2025 14:35
Operator : SY/MD
Sample : Q2317-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:05:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	106724	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	298270	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	259856	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	202110	10.376	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6121	0.467	ppbv	92
4) Chloromethane	1.531	50	3698	0.712	ppbv	99
9) Propene	1.486	41	61584m	8.465	ppbv	
10) Heptane	4.981	43	4176m	0.204	ppbv	
11) Trichlorofluoromethane	1.878	101	98869	8.101	ppbv	99
13) Ethanol	1.722	45	773828	892.541	ppbv	96
15) Acetone	1.835	43	492820	38.336	ppbv	97
19) Isopropyl Alcohol	1.884	45	384826	50.075	ppbv	91
20) Methylene Chloride	2.062	84	5435	1.281	ppbv	97
26) Hexane	2.826	57	65240	4.081	ppbv	86
29) Chloroform	2.849	83	11988	0.577	ppbv	100
34) 2-Butanone	2.557	43	44583	2.096	ppbv	99
35) Carbon Tetrachloride	3.765	117	1770m	0.090	ppbv	
36) Benzene	3.654	78	9676	0.329	ppbv	98
37) 1,2-Dichloroethane	3.214	62	2513m	0.172	ppbv	
38) Trichloroethene	4.548	130	670m	0.054	ppbv	
41) Tetrahydrofuran	3.059	42	17246	1.385	ppbv	96
44) 2,2,4-Trimethylpentane	4.642	57	7963	0.158	ppbv #	64
50) 4-Methyl-2-Pentanone	5.768	43	7622m	0.258	ppbv	
52) Tetrachloroethene	8.225	164	799m	0.073	ppbv	
53) Toluene	6.930	91	25563	0.753	ppbv	100
58) Ethyl Benzene	9.354	91	5269m	0.120	ppbv	
59) m/p-Xylene	9.532	91	13470	0.388	ppbv	94
60) o-Xylene	9.966	91	5876m	0.170	ppbv	
61) Styrene	9.869	104	2313m	0.141	ppbv	
69) p-Isopropyltoluene	11.924	119	29010	0.531	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	11072	0.279	ppbv #	71
76) 1,4-Dichlorobenzene	11.672	146	430999	17.371	ppbv	99

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

Quantitation Report (QT Reviewed)

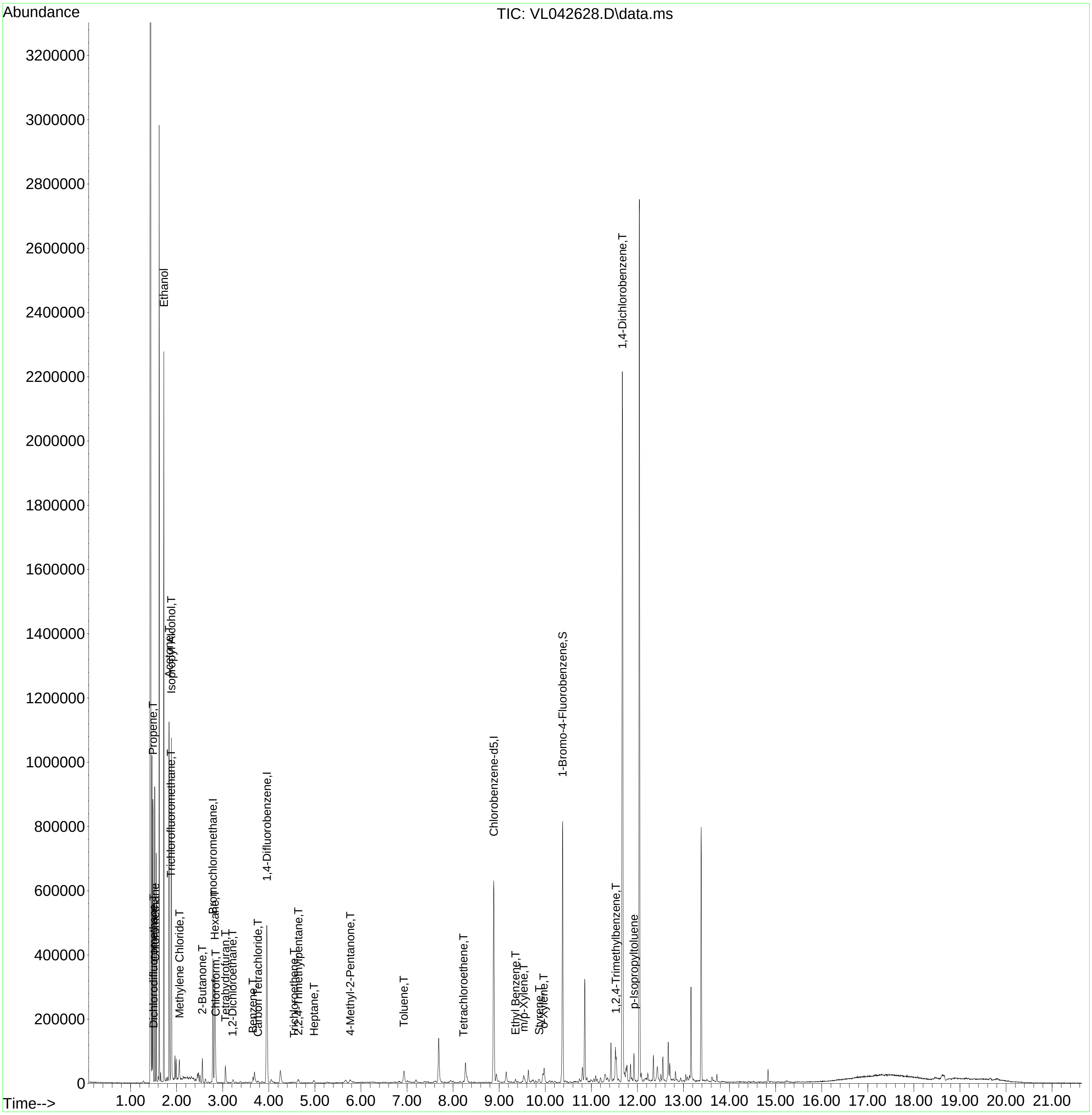
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042628.D
Acq On : 16 Jun 2025 14:35
Operator : SY/MD
Sample : Q2317-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

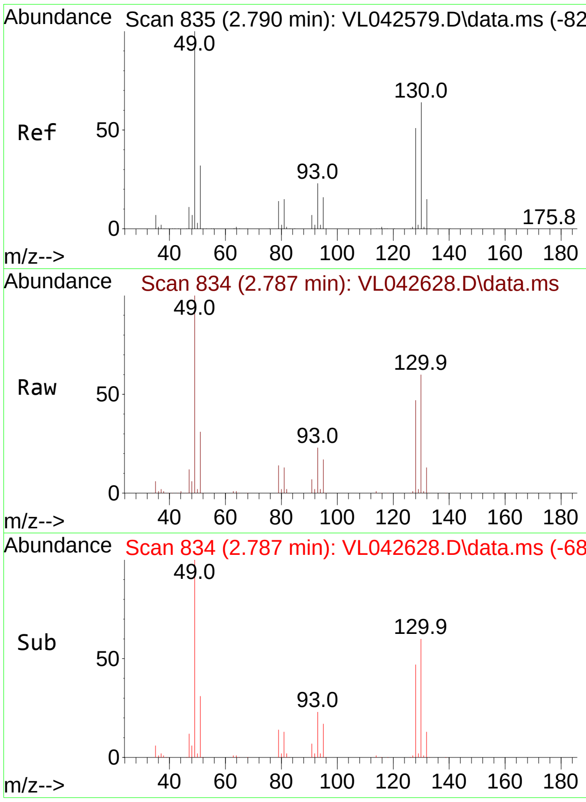
Quant Time: Jun 17 03:05:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 49 Resp: 10672

Ion	Ratio	Lower	Upper
49	100		
128	45.4	24.2	72.6
130	58.3	30.4	91.2

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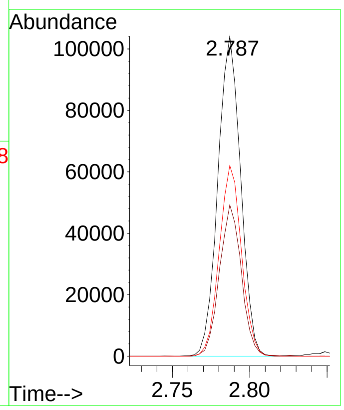
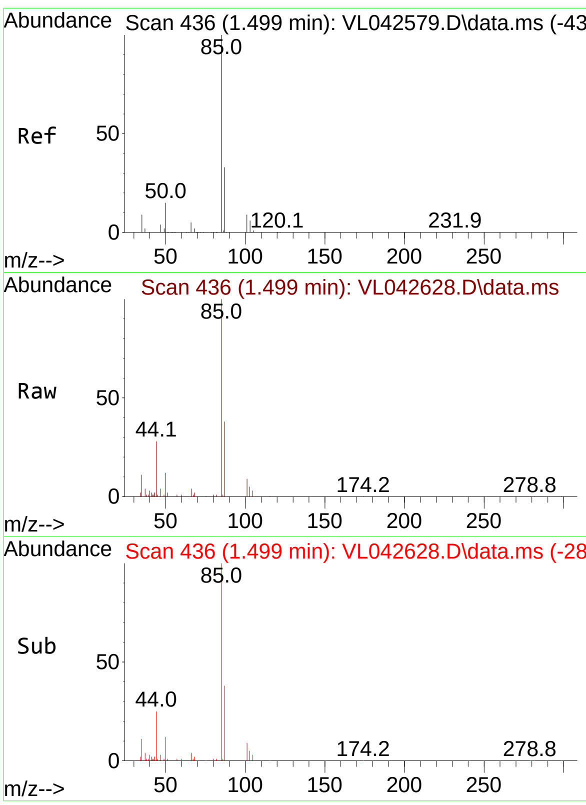
Supervised By :Mahesh Dadoda 06/17/2025

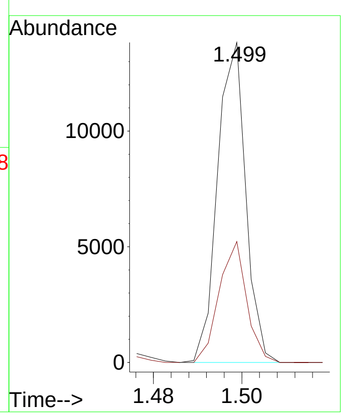


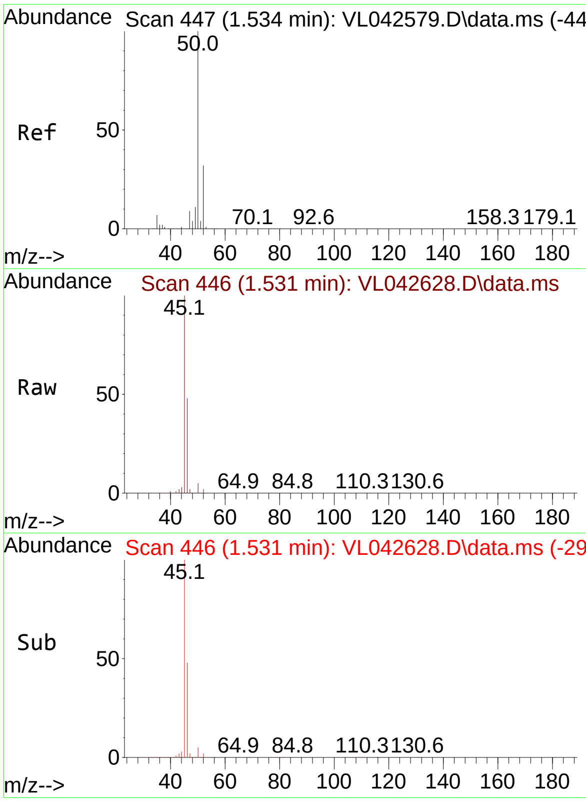


#2
Dichlorodifluoromethane
Concen: 0.467 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 85 Resp: 6121

Ion	Ratio	Lower	Upper
85	100		
87	37.8	26.6	39.8





#4
Chloromethane
Concen: 0.712 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 50 Resp: 369

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.8	38.6

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Manual Integrations
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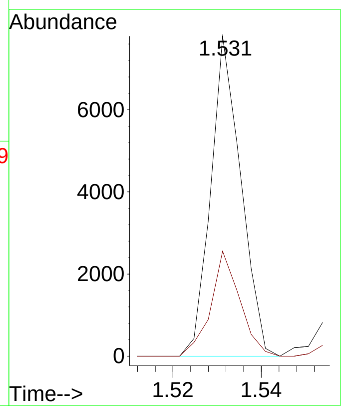
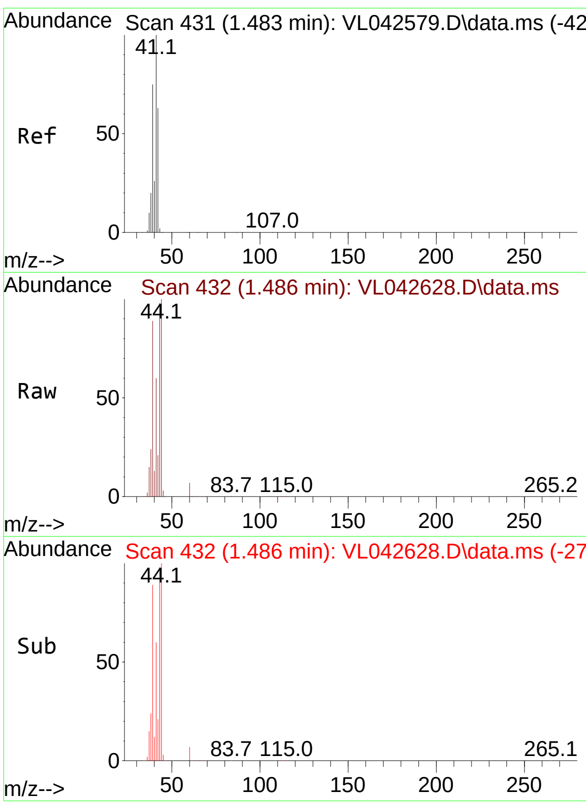
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

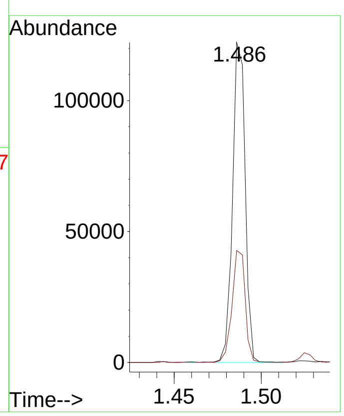


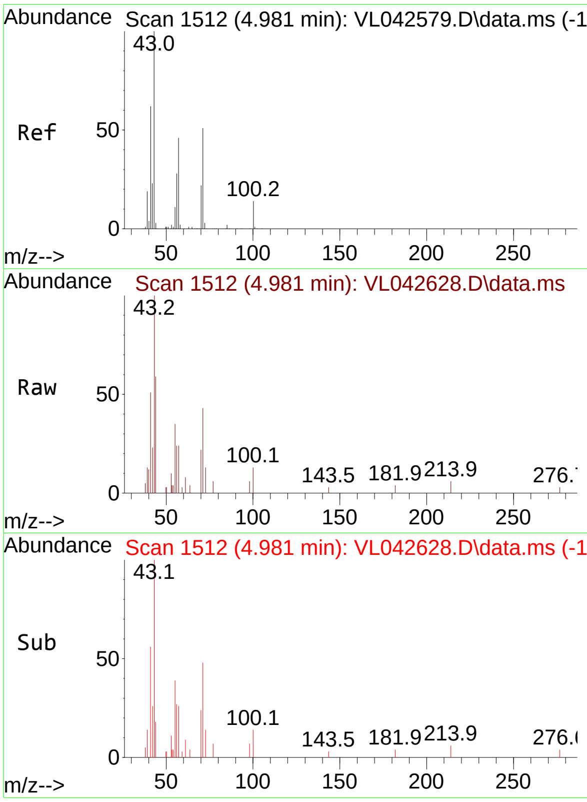


#9
Propene
Concen: 8.465 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 41 Resp: 61584

Ion	Ratio	Lower	Upper
41	100		
42	90.1	53.3	79.9#





#10
Heptane
Concen: 0.204 ppbv m
RT: 4.981 min Scan# 1!
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 43 Resp: 417(

Ion	Ratio	Lower	Upper
43	100		
57	33.6	38.9	58.3#

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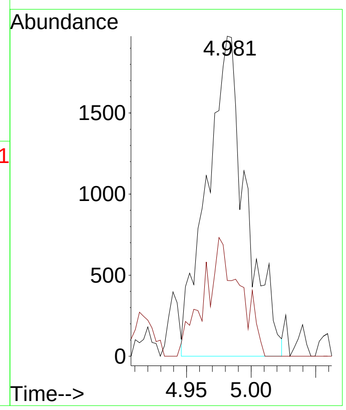
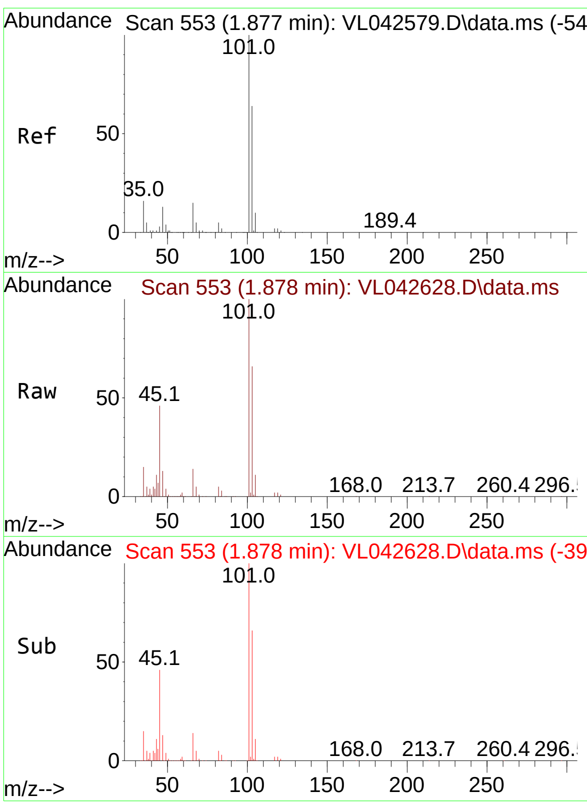
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

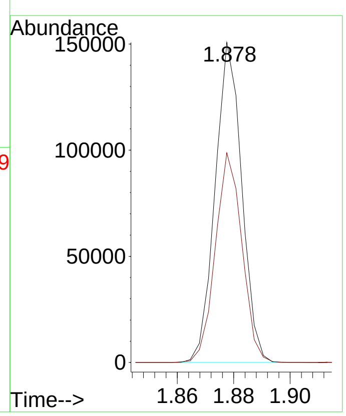


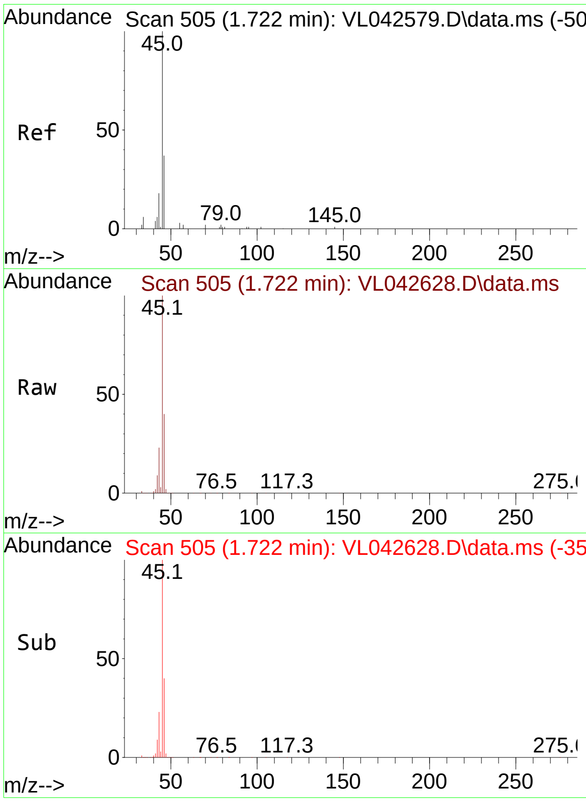


#11
Trichlorofluoromethane
Concen: 8.101 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:101 Resp: 98869

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.5	77.3






```
#13
Ethanol
Concen:  892.541 ppbv
RT:   1.722 min  Scan# 5
Delta R.T.  0.000 min
Lab File:   VL042628.D
Acq: 16 Jun 2025  14:35

Tgt Ion: 45 Resp:  77382
Ion  Ratio  Lower  Upper
 45  100
 46   38.8   14.5   58.1
```

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

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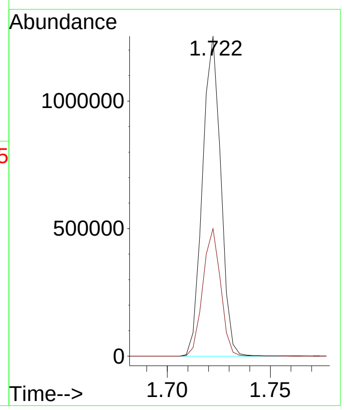
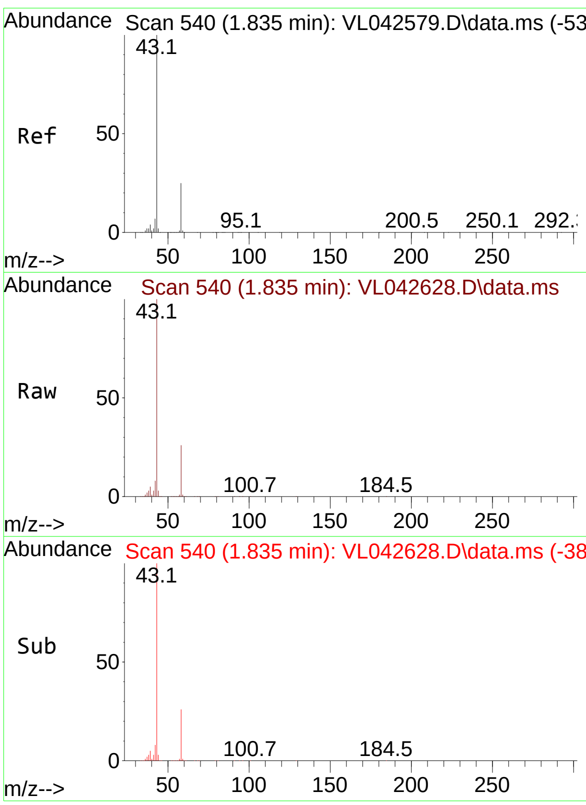
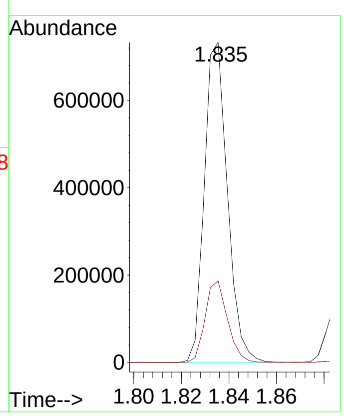
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

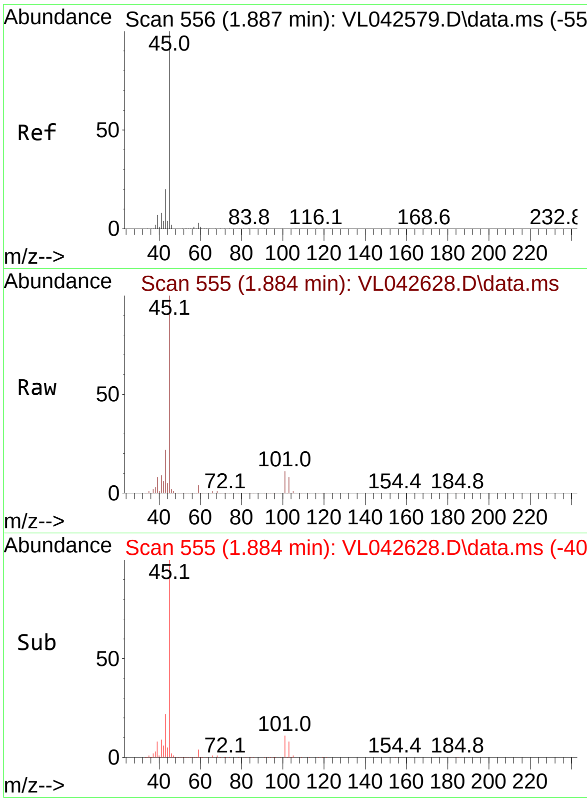





```
#15
Acetone
Concen:   38.336 ppbv
RT:   1.835 min  Scan# 540
Delta R.T.  0.000 min
Lab File:   VL042628.D
Acq: 16 Jun 2025  14:35

Tgt Ion: 43 Resp:  492820
Ion  Ratio  Lower  Upper
 43  100
 58   24.7   21.0   31.4
```





#19
Isopropyl Alcohol
Concen: 50.075 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 45 Resp: 384826

Ion	Ratio	Lower	Upper
45	100		
58	31.6	29.4	44.2

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

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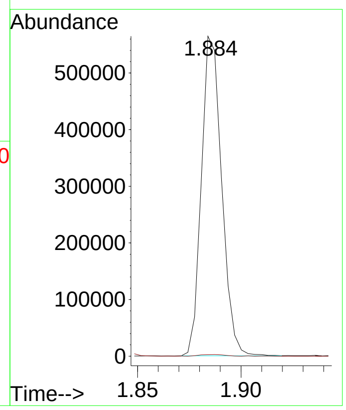
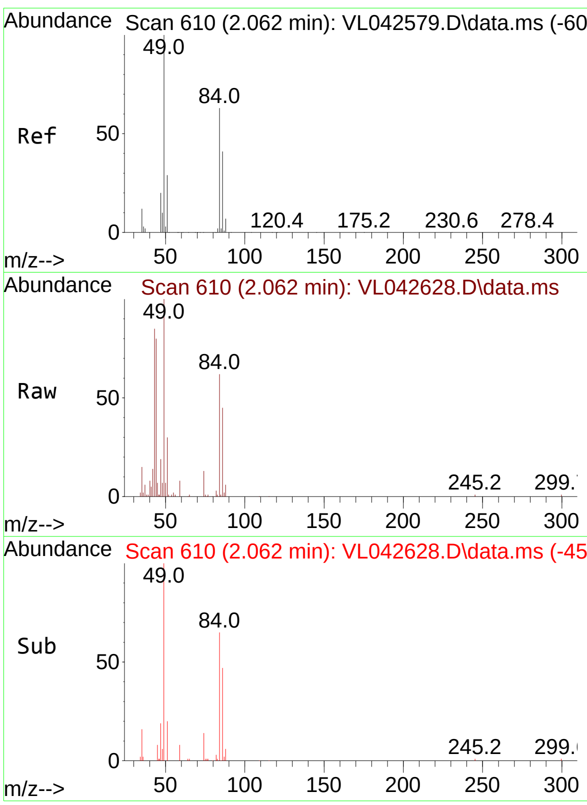
Supervised By :Mahesh Dadoda 06/17/2025

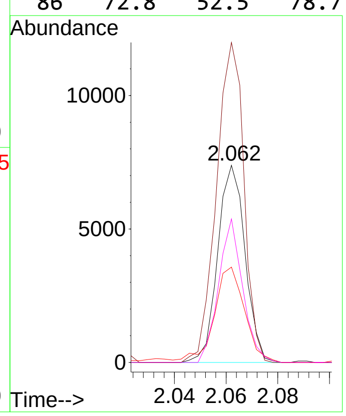


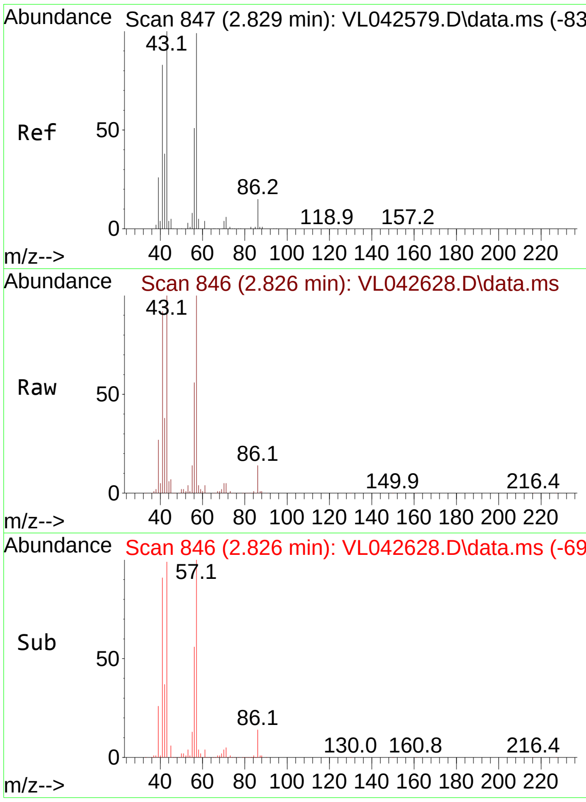


#20
Methylene Chloride
Concen: 1.281 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 84 Resp: 5435

Ion	Ratio	Lower	Upper
84	100		
49	162.3	128.8	193.2
51	48.3	38.6	57.8
86	72.8	52.5	78.7





#26
Hexane
Concen: 4.081 ppbv
RT: 2.826 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 57 Resp: 6524

Ion	Ratio	Lower	Upper
57	100		
41	94.9	70.6	106.0
43	195.4	181.1	271.7
56	56.7	42.2	63.4

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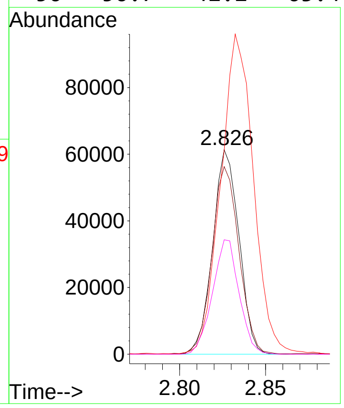
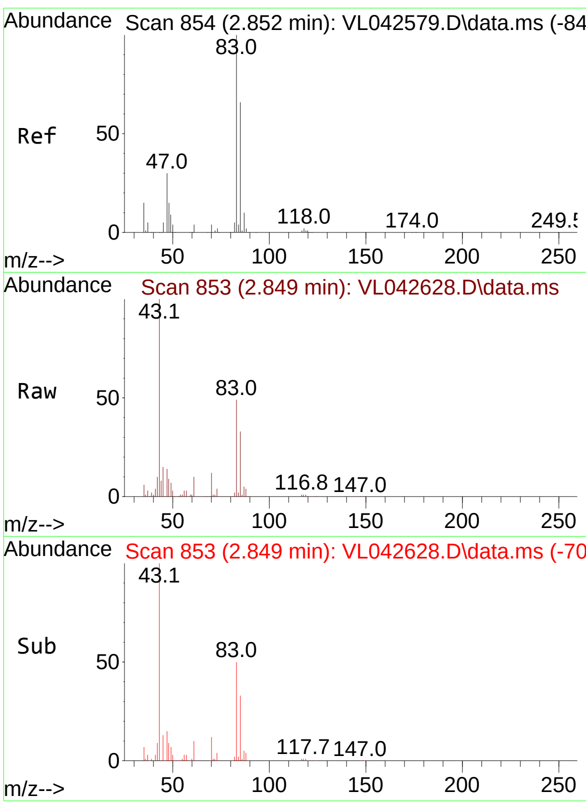
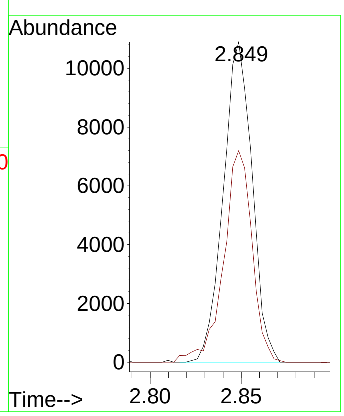


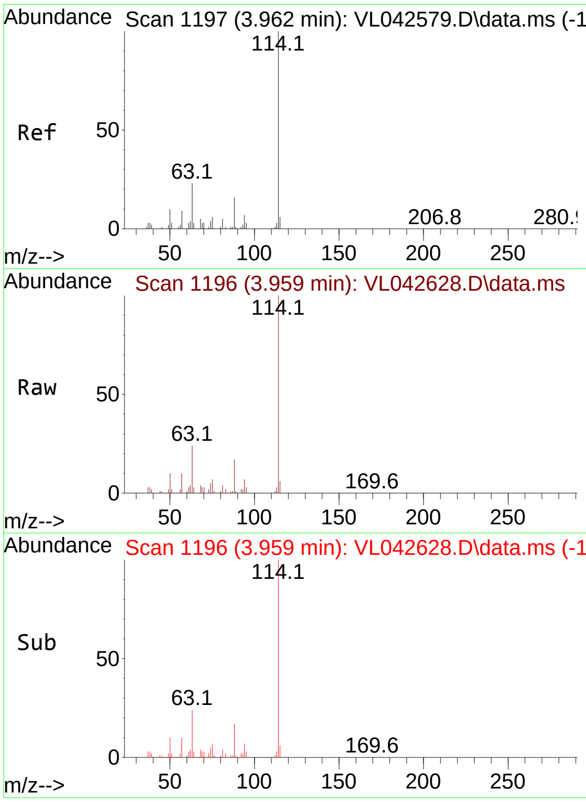


#29
Chloroform
Concen: 0.577 ppbv
RT: 2.849 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 83 Resp: 11988

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.8	79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:114 Resp: 29827

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.0	28.6
88	17.5	13.6	20.4

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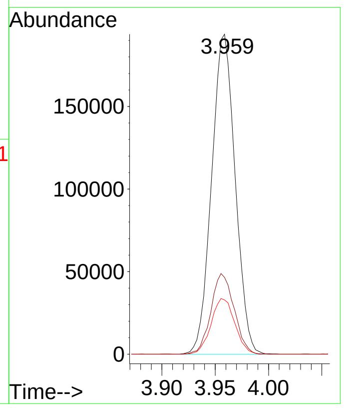
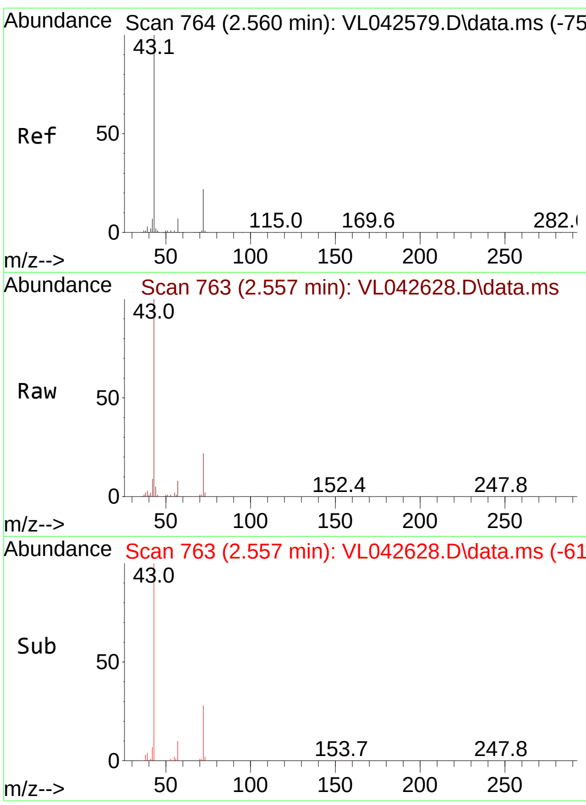
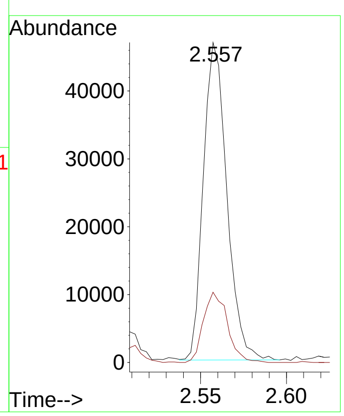


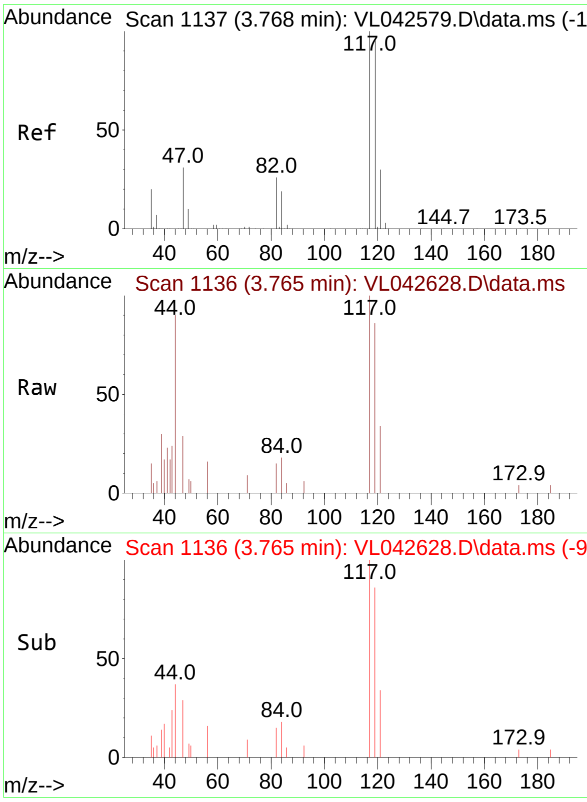


#34
2-Butanone
Concen: 2.096 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 43 Resp: 44583

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.7	26.5





#35
Carbon Tetrachloride
Concen: 0.090 ppbv m
RT: 3.765 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:117 Resp: 177

Ion	Ratio	Lower	Upper
117	100		
119	85.6	76.8	115.2
121	34.1	24.3	36.5

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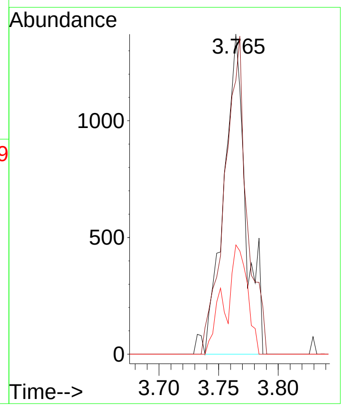
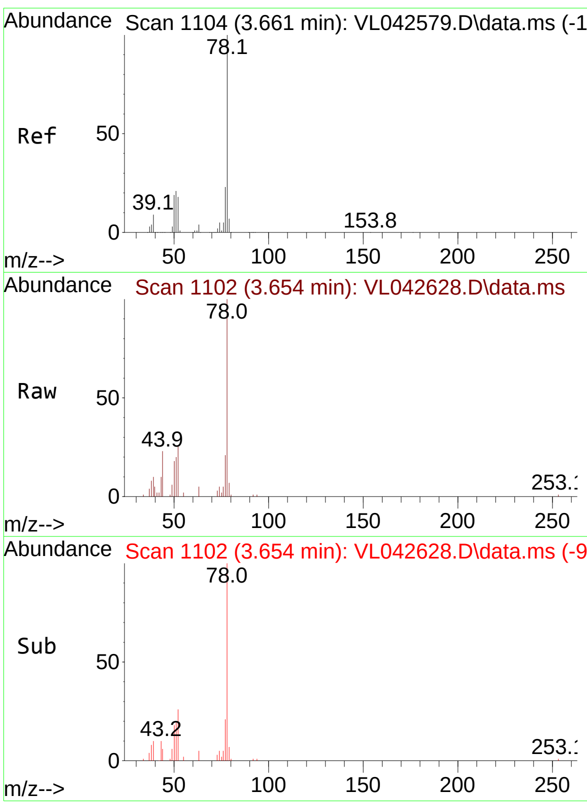
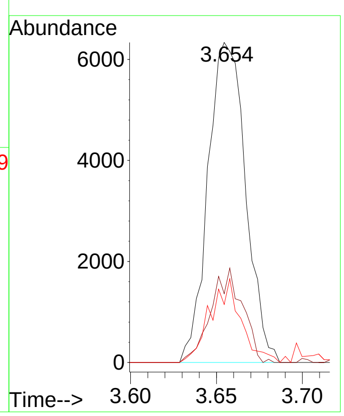


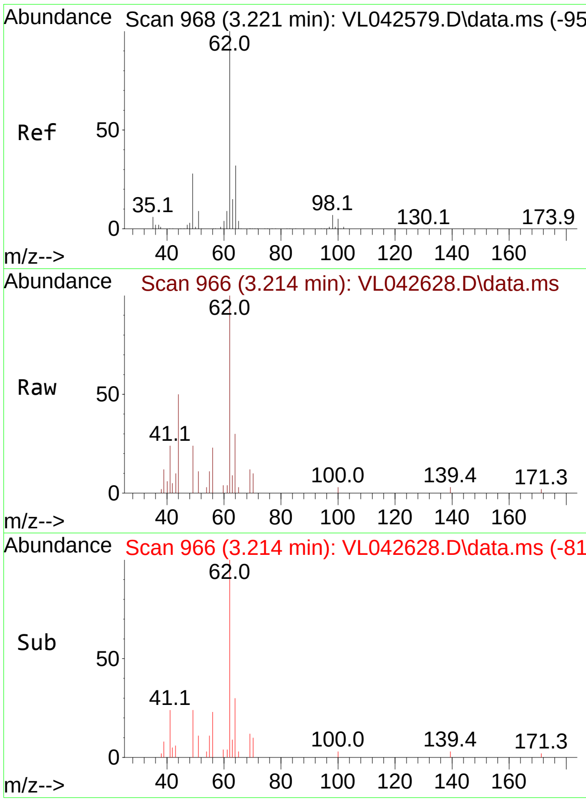


#36
Benzene
Concen: 0.329 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 78 Resp: 9676

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	18.1	15.2	22.8





#37
1,2-Dichloroethane
Concen: 0.172 ppbv m
RT: 3.214 min   Scan# 96
Delta R.T.   -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Tgt Ion: 62 Resp: 251

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.1	9.1#

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Manual Integrations
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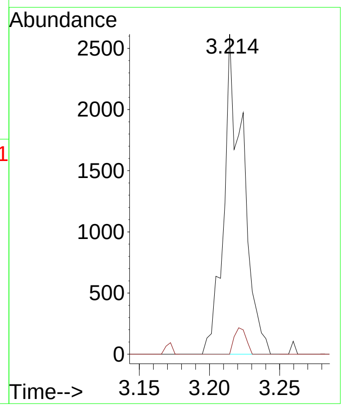
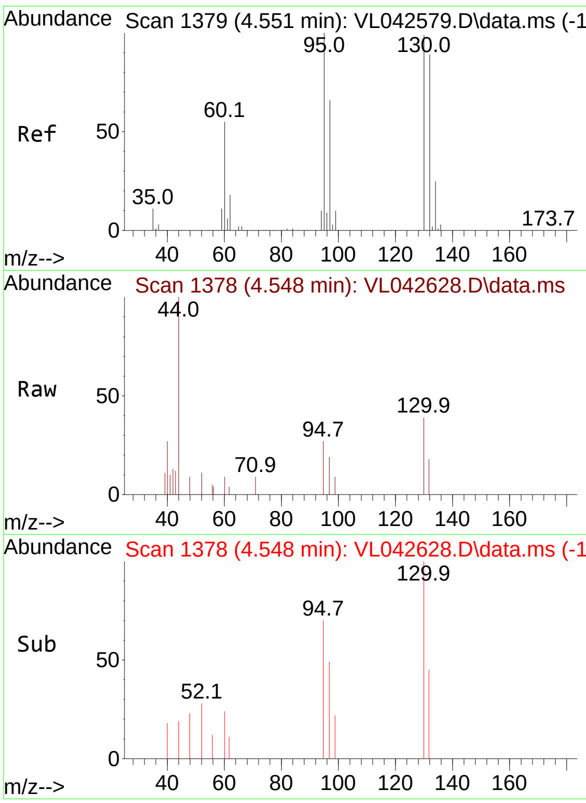
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

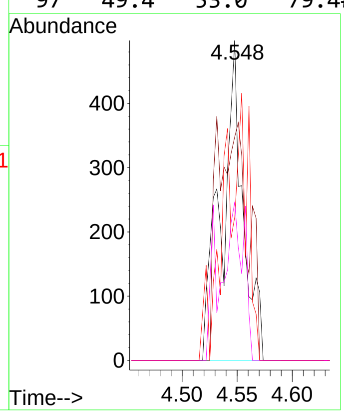


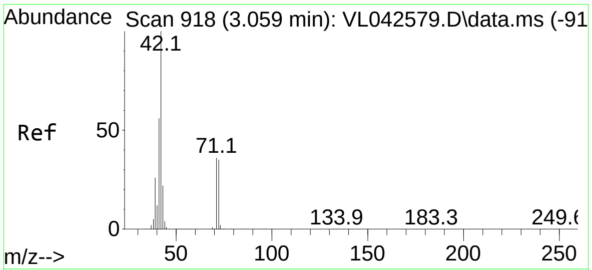


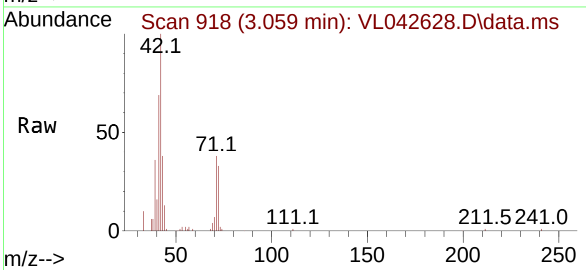
#38
Trichloroethene
Concen: 0.054 ppbv m
RT: 4.548 min   Scan# 1378
Delta R.T.   -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

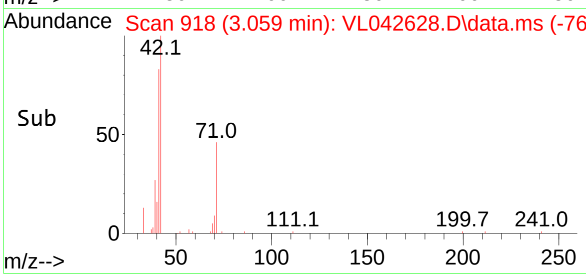
Tgt Ion:130 Resp: 670

Ion	Ratio	Lower	Upper
130	100		
95	69.9	80.6	121.0#
132	44.8	71.8	107.6#
97	49.4	53.0	79.4#









#41
Tetrahydrofuran
Concen: 1.385 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 42 Resp: 1724(

Ion	Ratio	Lower	Upper
42	100		
72	33.5	28.9	43.3
71	34.0	28.5	42.7

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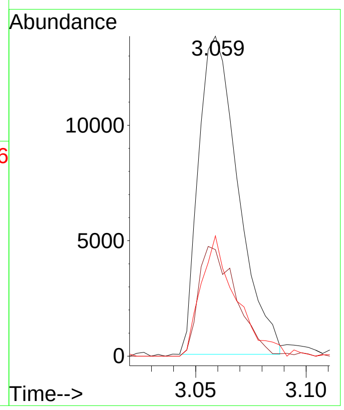
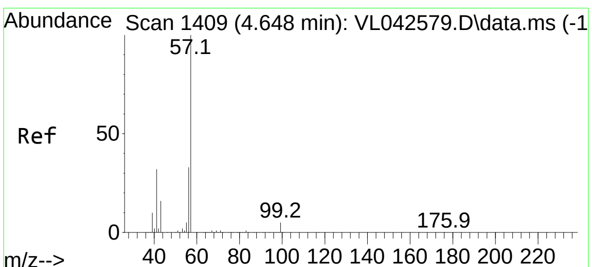
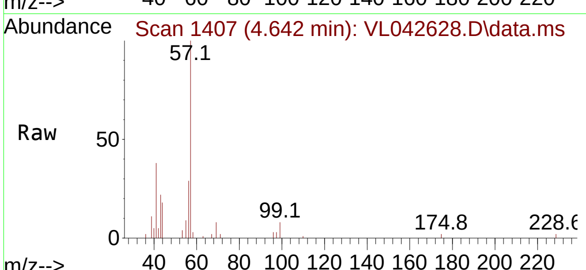
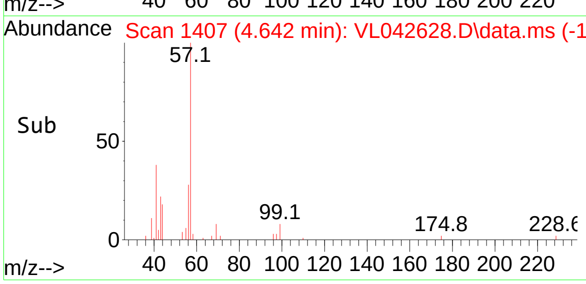




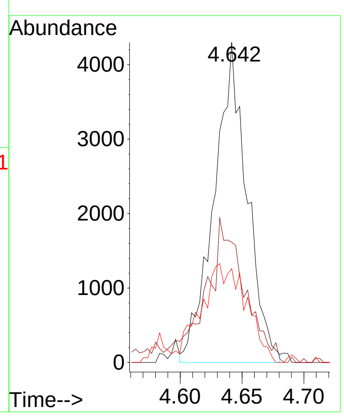


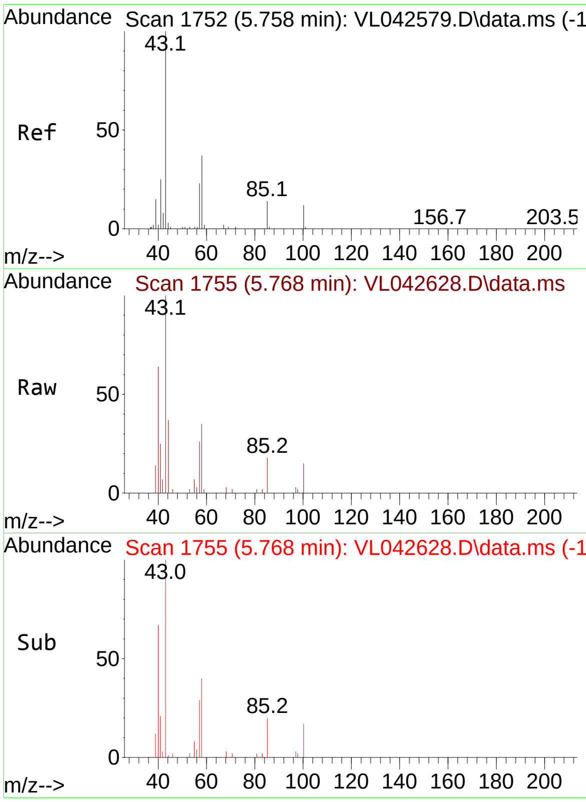


#44
2,2,4-Trimethylpentane
Concen: 0.158 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 57 Resp: 7963

Ion	Ratio	Lower	Upper
57	100		
41	57.2	26.1	39.1#
56	48.1	25.9	38.9#





#50
4-Methyl-2-Pentanone
Concen: 0.258 ppbv m
RT: 5.768 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 43 Resp: 762

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.3	42.5

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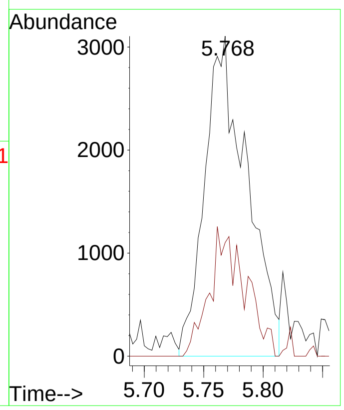
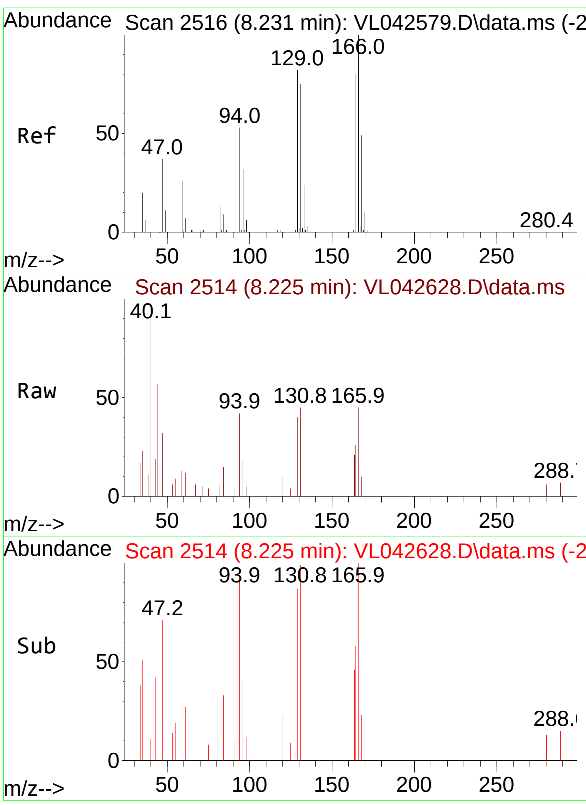
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

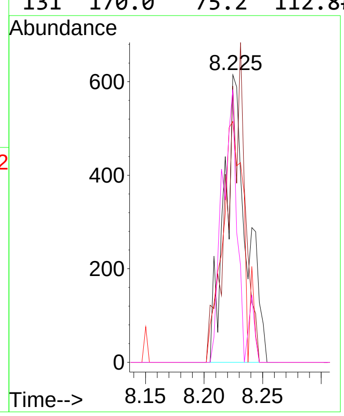


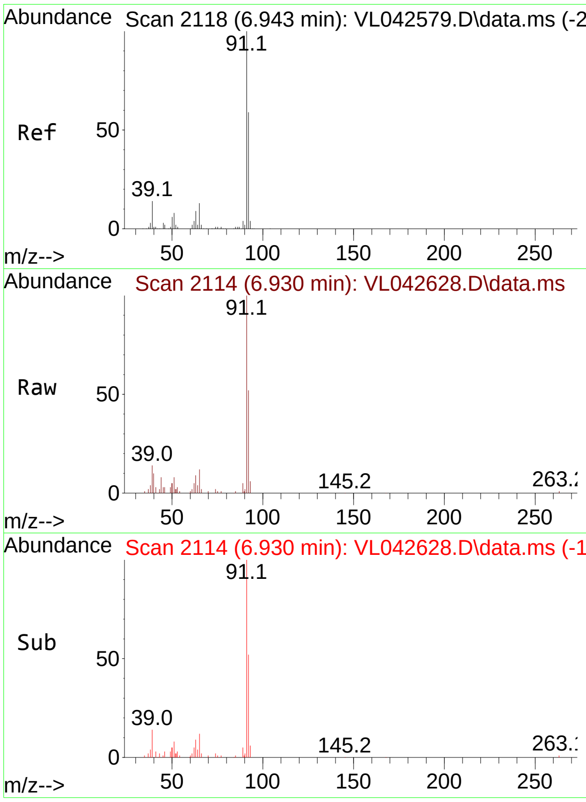


#52
Tetrachloroethene
Concen: 0.073 ppbv m
RT: 8.225 min Scan# 2514
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:164 Resp: 799

Ion	Ratio	Lower	Upper
164	100		
166	172.3	100.0	150.0#
129	150.1	82.2	123.4#
131	170.0	75.2	112.8#





#53
Toluene
Concen: 0.753 ppbv
RT: 6.930 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

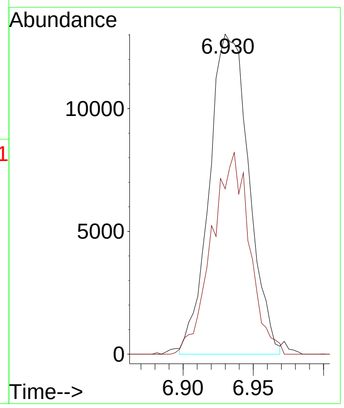
Tgt Ion: 91 Resp: 2556

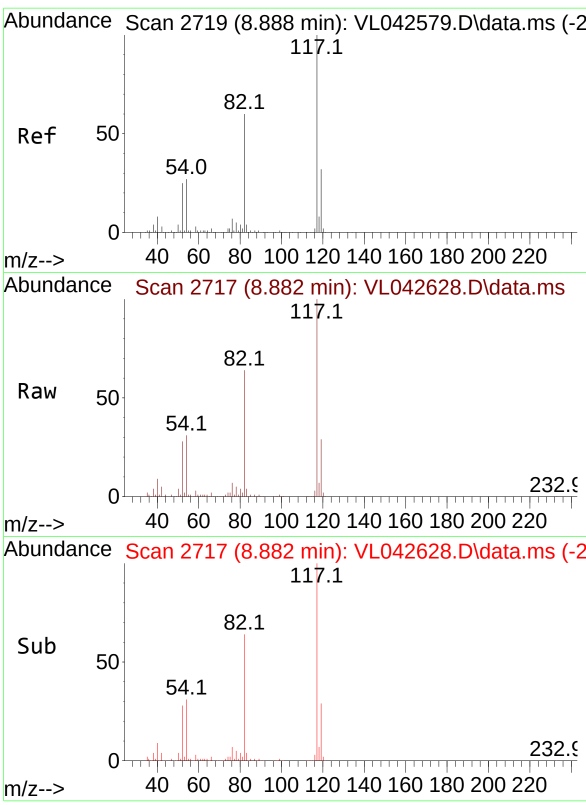
Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

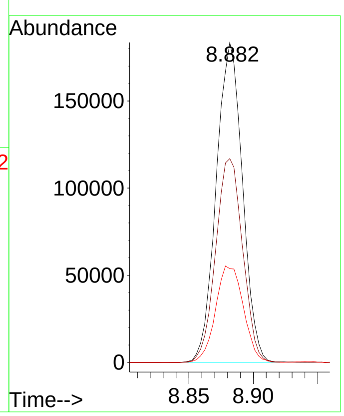


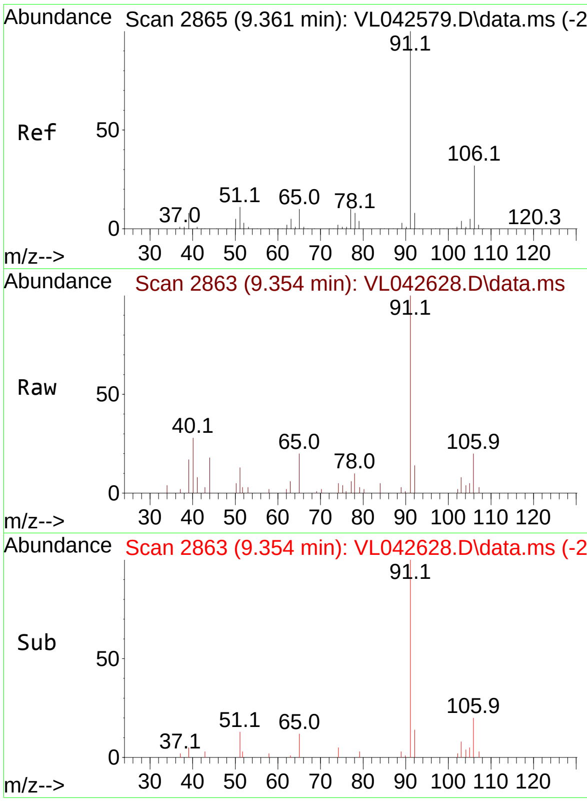


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:117 Resp: 259856

Ion	Ratio	Lower	Upper
117	100		
82	65.6	51.2	76.8
119	32.0	26.3	39.5





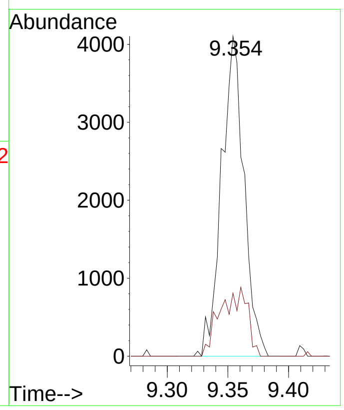
#58
Ethyl Benzene
Concen: 0.120 ppbv m
RT: 9.354 min Scan# 28
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

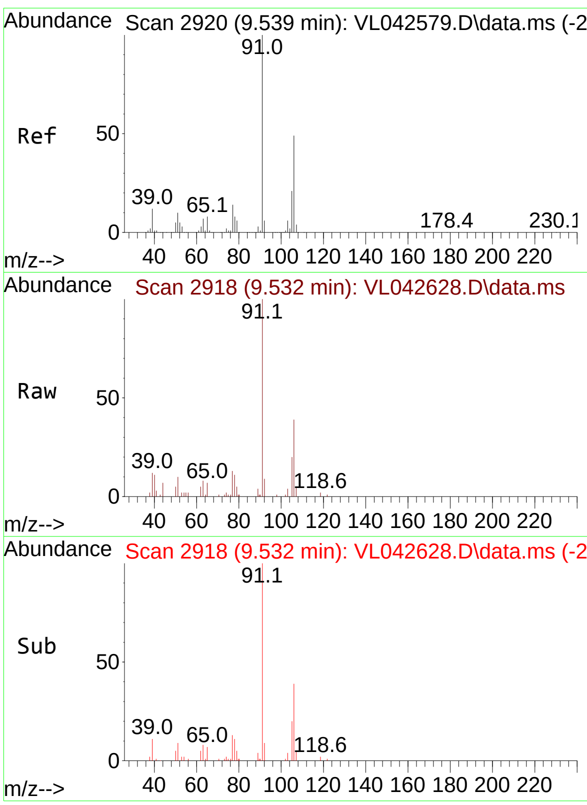
Tgt Ion: 91 Resp: 526

Ion	Ratio	Lower	Upper
91	100		
106	19.7	25.9	38.9

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

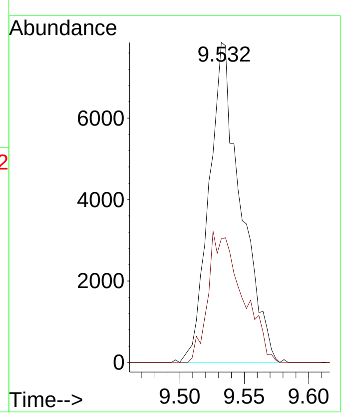


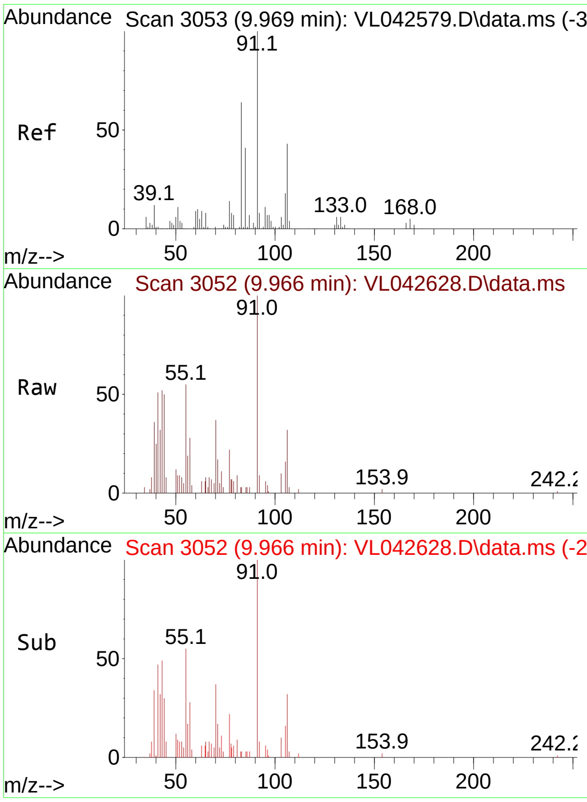


#59
m/p-Xylene
Concen: 0.388 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 91 Resp: 13470

Ion	Ratio	Lower	Upper
91	100		
106	44.2	38.8	58.2





#60
o-Xylene
Concen: 0.170 ppbv m
RT: 9.966 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 91 Resp: 587

Ion	Ratio	Lower	Upper
91	100		
106	49.1	22.9	68.5

Manual Integrations
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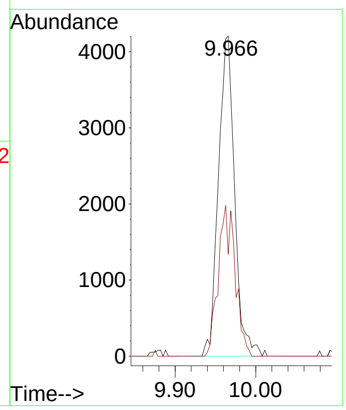
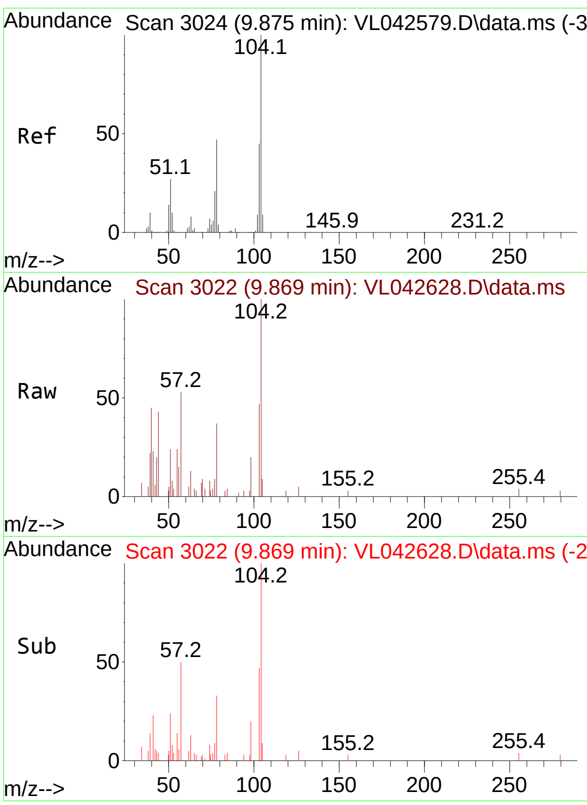
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

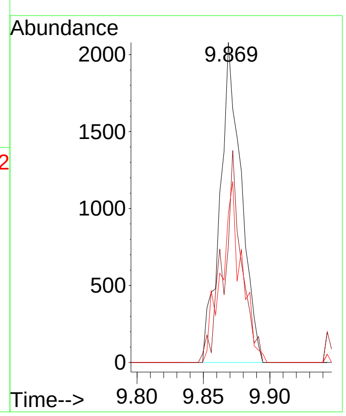


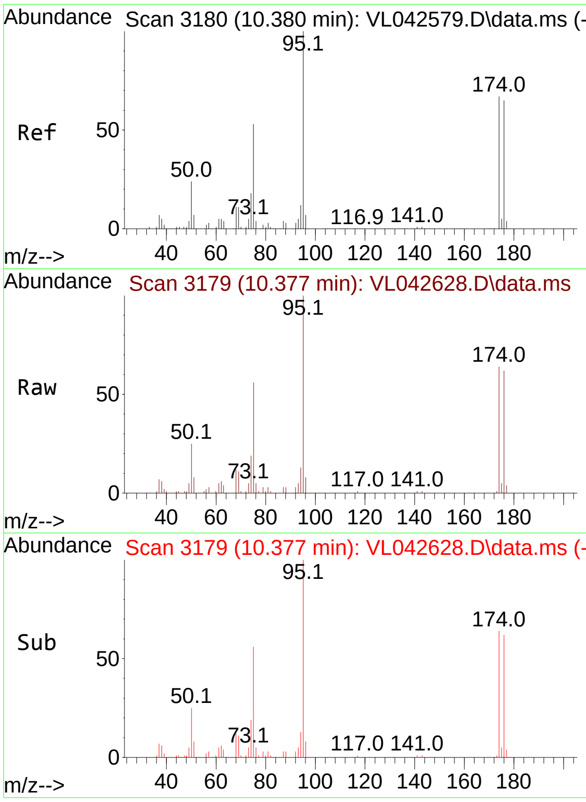


#61
Styrene
Concen: 0.141 ppbv m
RT: 9.869 min Scan# 3022
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:104 Resp: 2313

Ion	Ratio	Lower	Upper
104	100		
78	56.2	38.2	57.4
103	54.3	36.7	55.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.376 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

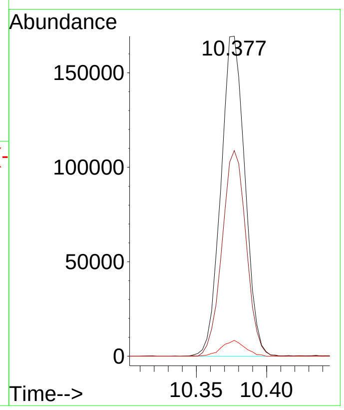
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

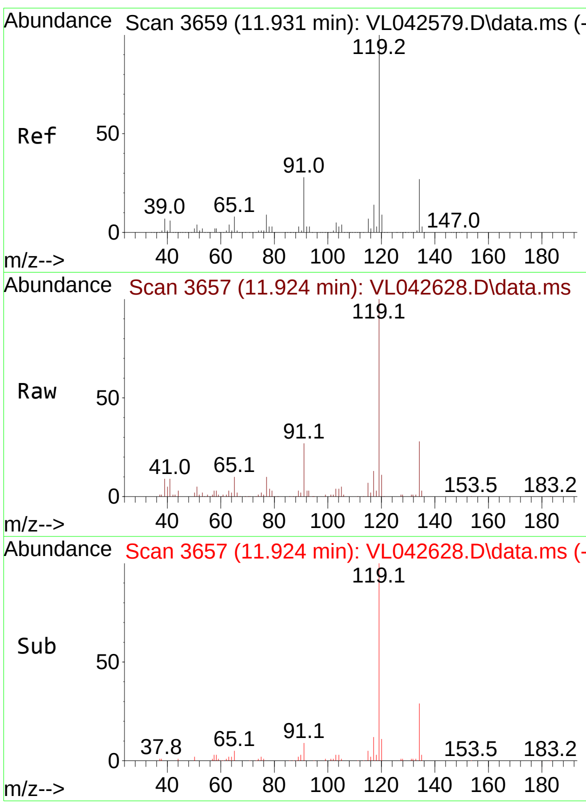
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion: 95 Resp: 20211

Ion	Ratio	Lower	Upper
95	100		
174	64.4	53.1	79.7
175	4.8	4.2	6.2

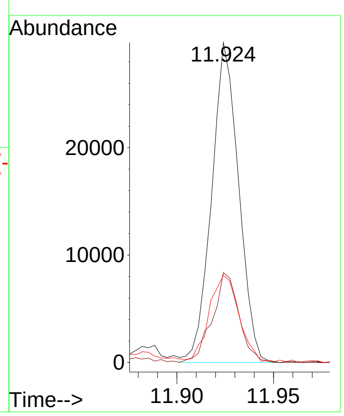


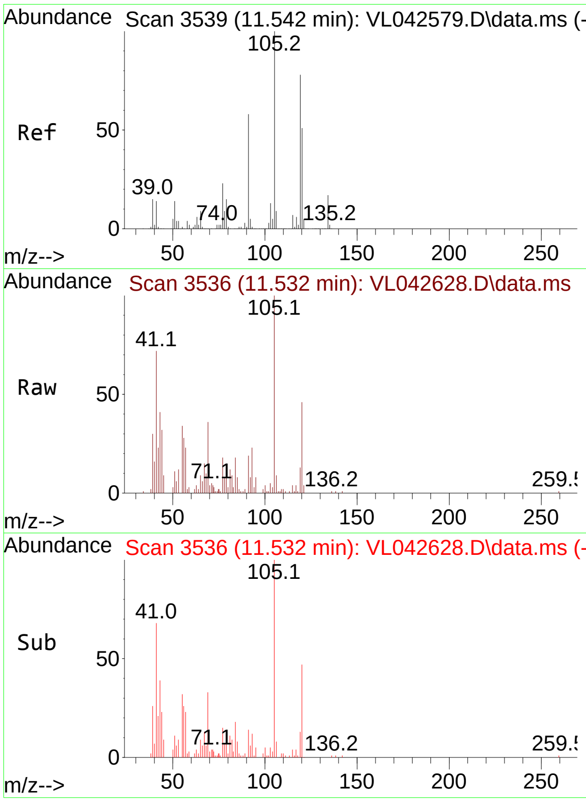


#69
p-Isopropyltoluene
Concen: 0.531 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:119 Resp: 29010

Ion	Ratio	Lower	Upper
119	100		
134	27.7	21.1	31.7
91	31.1	21.9	32.9





#74
1,2,4-Trimethylbenzene
Concen: 0.279 ppbv
RT: 11.532 min Scan# 3!
Delta R.T. -0.010 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:105 Resp: 1107

Ion	Ratio	Lower	Upper
105	100		
120	46.1	40.8	61.2
91	17.4	46.8	70.2#
77	16.8	18.2	27.2#

Manual Integrations
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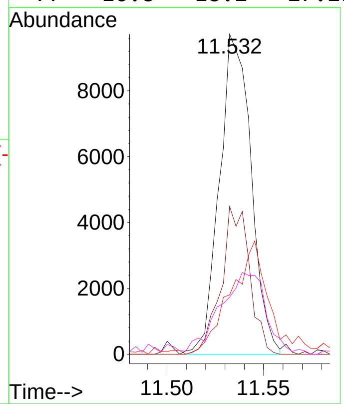
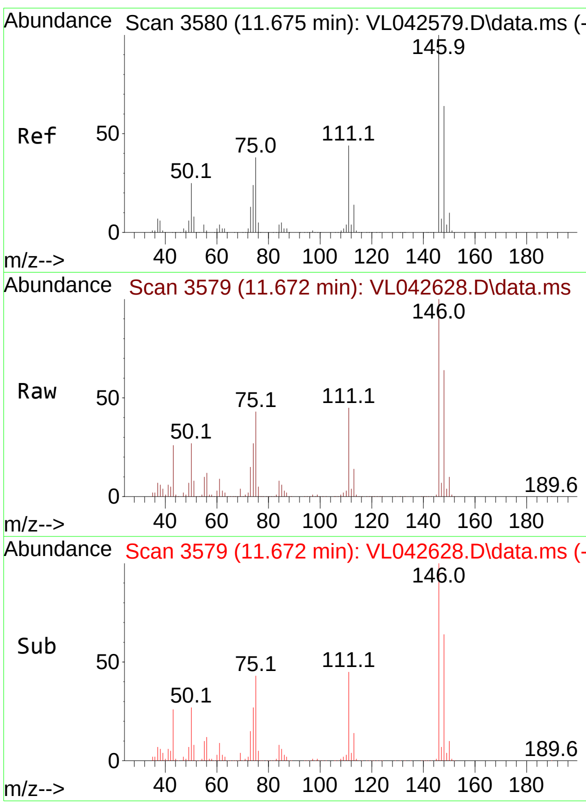
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

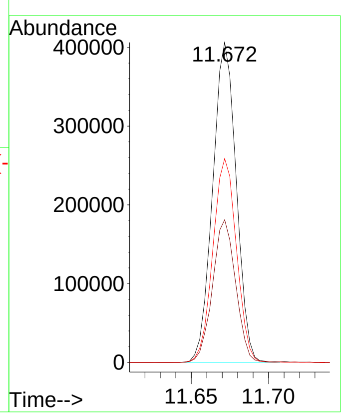




#76
1,4-Dichlorobenzene
Concen: 17.371 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:146 Resp: 430999

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	63.9	32.1	96.5



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-1DL	SDG No.:	Q2317
Lab Sample ID:	Q2317-02DL	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
VL042636.D	5		06/16/25 19:12	VL061625

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	12.4	ug/m3
74-87-3	Chloromethane	0.98	2.02	JD	1.01	5.16	ug/m3
75-01-4	Vinyl Chloride	0.070	0.18	UD	0.18	0.38	ug/m3
74-83-9	Bromomethane	0.70	2.72	UD	2.72	9.71	ug/m3
75-00-3	Chloroethane	0.85	2.24	UD	2.24	6.60	ug/m3
109-99-9	Tetrahydrofuran	1.20	3.54	JD	1.92	7.37	ug/m3
75-69-4	Trichlorofluoromethane	8.60	48.3	D	4.50	14.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	6.13	UD	6.13	19.2	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.44	3.08	UD	3.08	17.5	ug/m3
75-65-0	tert-Butyl alcohol	0.95	2.88	UD	2.88	7.58	ug/m3
142-82-5	Heptane	0.55	2.25	UD	2.25	10.3	ug/m3
75-35-4	1,1-Dichloroethene	0.70	2.78	UD	2.78	9.91	ug/m3
67-64-1	Acetone	41.2	97.9	D	2.85	5.94	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	7.79	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.60	2.16	UD	2.16	9.01	ug/m3
75-09-2	Methylene Chloride	2.10	7.30	JD	3.30	8.69	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.95	3.77	UD	3.77	9.91	ug/m3
75-34-3	1,1-Dichloroethane	0.65	2.63	UD	2.63	10.1	ug/m3
110-82-7	Cyclohexane	1.10	3.79	UD	3.79	8.61	ug/m3
78-93-3	2-Butanone	2.10	6.19	JD	1.77	7.37	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38	UD	0.38	0.94	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.45	1.78	UD	1.78	9.91	ug/m3
67-66-3	Chloroform	0.42	2.05	UD	2.05	12.2	ug/m3
71-55-6	1,1,1-Trichloroethane	0.050	0.27	UD	0.27	0.82	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	UD	2.34	11.7	ug/m3
71-43-2	Benzene	0.44	1.41	UD	1.41	7.99	ug/m3
107-06-2	1,2-Dichloroethane	0.46	1.86	UD	1.86	10.1	ug/m3
79-01-6	Trichloroethene	0.090	0.48	UD	0.48	0.81	ug/m3
78-87-5	1,2-Dichloropropane	0.55	2.54	UD	2.54	11.6	ug/m3
75-27-4	Bromodichloromethane	0.39	2.61	UD	2.61	16.8	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.47	1.93	UD	1.93	10.3	ug/m3
108-88-3	Toluene	0.66	2.49	JD	2.07	9.42	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	UD	1.36	11.3	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.32	1.45	UD	1.45	11.3	ug/m3
79-00-5	1,1,2-Trichloroethane	0.36	1.96	UD	1.96	13.6	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-1DL	SDG No.:	Q2317
Lab Sample ID:	Q2317-02DL	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
VL042636.D	5		06/16/25 19:12	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.33	2.81	UD	2.81	21.3	ug/m3
106-93-4	1,2-Dibromoethane	0.36	2.77	UD	2.77	3.84	ug/m3
127-18-4	Tetrachloroethene	0.080	0.54	UD	0.54	1.02	ug/m3
108-90-7	Chlorobenzene	0.38	1.75	UD	1.75	11.5	ug/m3
100-41-4	Ethyl Benzene	0.60	2.61	UD	2.61	10.9	ug/m3
179601-23-1	m/p-Xylene	1.10	4.78	UD	4.78	21.7	ug/m3
95-47-6	o-Xylene	0.60	2.61	UD	2.61	10.9	ug/m3
100-42-5	Styrene	0.55	2.34	UD	2.34	10.6	ug/m3
75-25-2	Bromoform	0.28	2.90	UD	2.90	25.9	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.060	0.41	UD	0.41	1.03	ug/m3
95-49-8	2-Chlorotoluene	0.55	2.85	UD	2.85	12.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.55	2.70	UD	2.70	12.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.39	1.92	UD	1.92	12.3	ug/m3
541-73-1	1,3-Dichlorobenzene	0.40	2.40	UD	2.40	15.0	ug/m3
106-46-7	1,4-Dichlorobenzene	16.1	96.8	D	1.62	15.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.38	2.28	UD	2.28	15.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.43	3.19	UD	3.19	18.6	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.43	4.59	UD	4.59	26.7	ug/m3
106-99-0	1,3-Butadiene	0.65	1.44	UD	1.44	5.53	ug/m3
91-20-3	Naphthalene	0.38	1.99	UD	1.99	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.60	2.95	UD	2.95	12.3	ug/m3
110-54-3	Hexane	3.20	11.3	D	1.94	8.81	ug/m3
107-05-1	Allyl Chloride	0.75	2.35	UD	2.35	7.83	ug/m3
123-91-1	1,4-Dioxane	1.10	3.96	UD	3.96	9.01	ug/m3
80-62-6	Methyl Methacrylate	0.43	1.76	UD	1.76	10.2	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			70 (65) - 130 (135)	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	99600		2.79			
540-36-3	1,4-Difluorobenzene	259000		3.962			
3114-55-4	Chlorobenzene-d5	229000		8.885			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-1DL	SDG No.:	Q2317
Lab Sample ID:	Q2317-02DL	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
VL042636.D	5		06/16/25 19:12	VL061625

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\VL061625\
Data File : VL042636.D
Acq On : 16 Jun 2025 19:12
Operator : SY/MD
Sample : Q2317-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.790	49	99585	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	258626	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.885	117	228826	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.380	95	179870	10.486 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.900%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	1473	0.120 ppbv #	88
4) Chloromethane	1.531	50	948	0.196 ppbv #	83
9) Propene	1.489	41	12694m	1.870 ppbv	
11) Trichlorofluoromethane	1.881	101	19522	1.714 ppbv	95
13) Ethanol	1.722	45	165048	204.015 ppbv	97
15) Acetone	1.835	43	98854	8.241 ppbv	96
19) Isopropyl Alcohol	1.887	45	76718	10.698 ppbv	91
20) Methylene Chloride	2.062	84	1690	0.427 ppbv #	81
26) Hexane	2.829	57	9562	0.641 ppbv #	89
34) 2-Butanone	2.564	43	7674	0.416 ppbv	98
41) Tetrahydrofuran	3.069	42	2599	0.241 ppbv	90
53) Toluene	6.943	91	3878m	0.132 ppbv	
76) 1,4-Dichlorobenzene	11.675	146	70457	3.225 ppbv	98

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

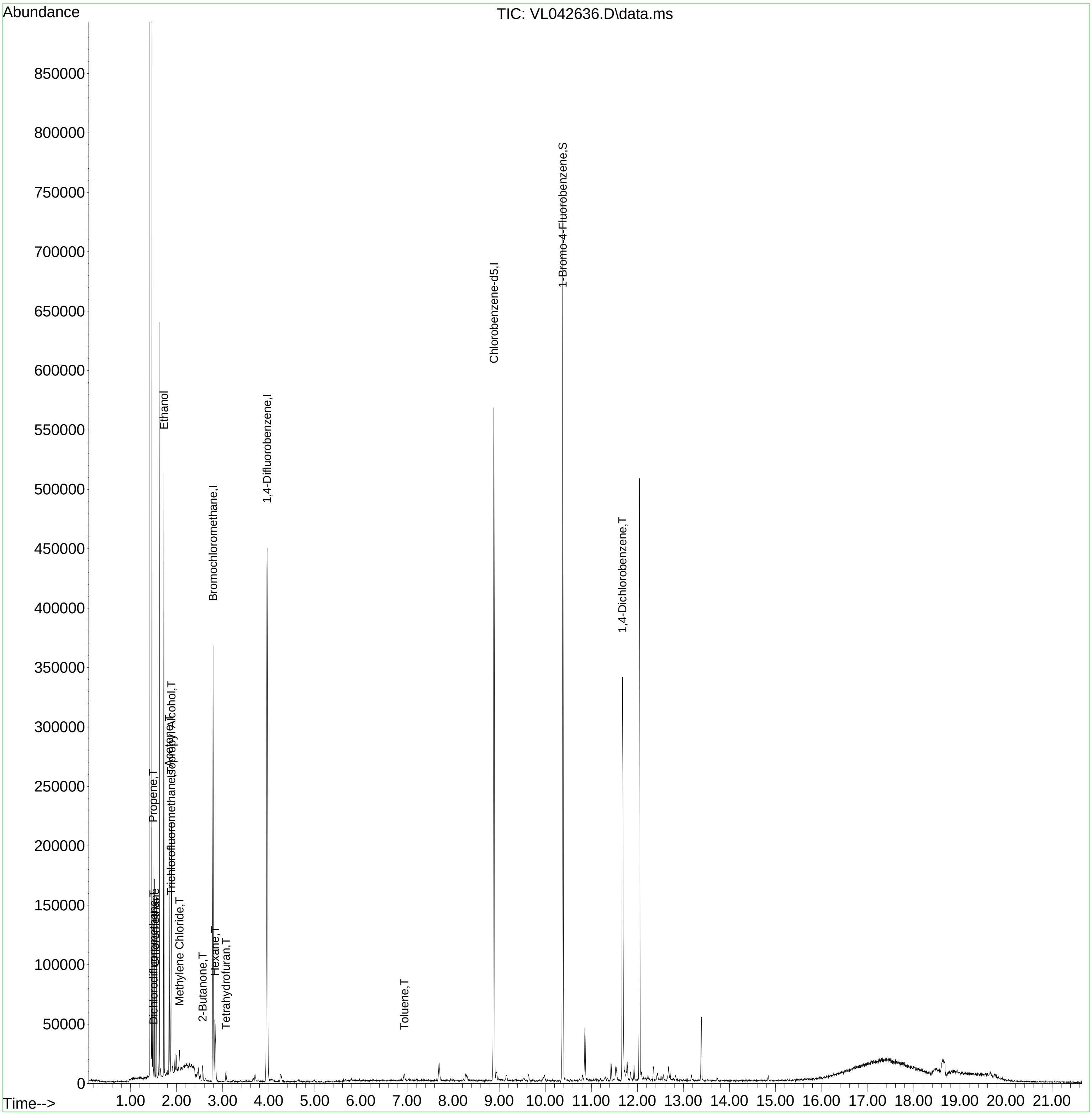
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042636.D
Acq On : 16 Jun 2025 19:12
Operator : SY/MD
Sample : Q2317-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

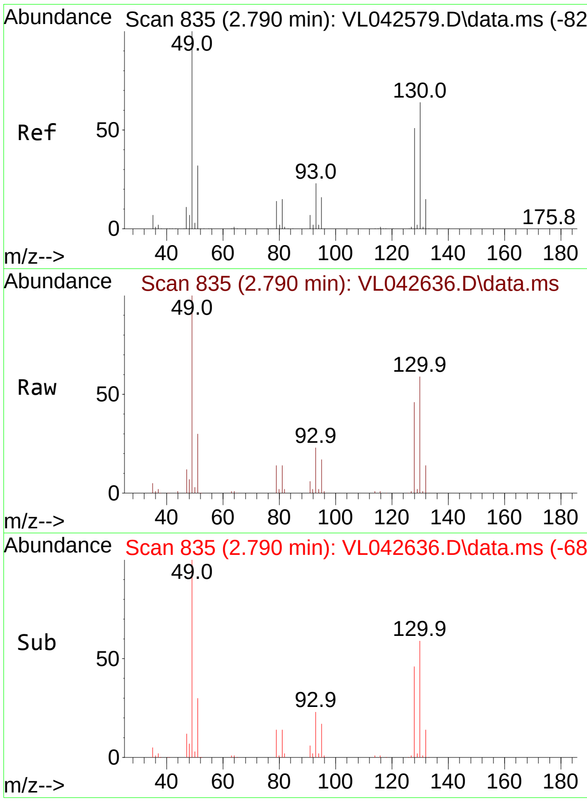
Quant Time: Jun 17 03:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

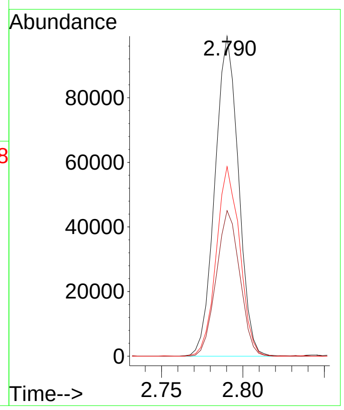
Tgt Ion: 49 Resp: 99585

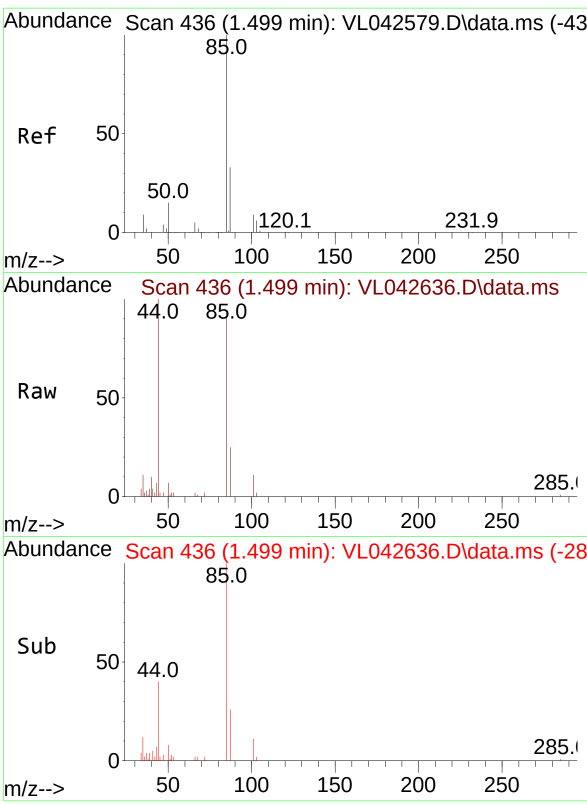
Ion	Ratio	Lower	Upper
49	100		
128	45.5	24.2	72.6
130	59.1	30.4	91.2

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

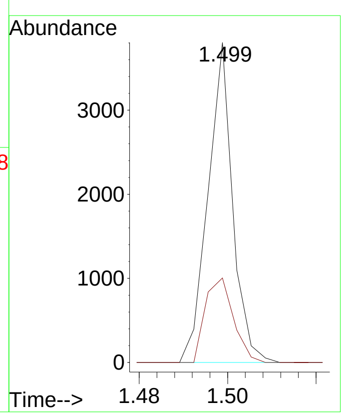


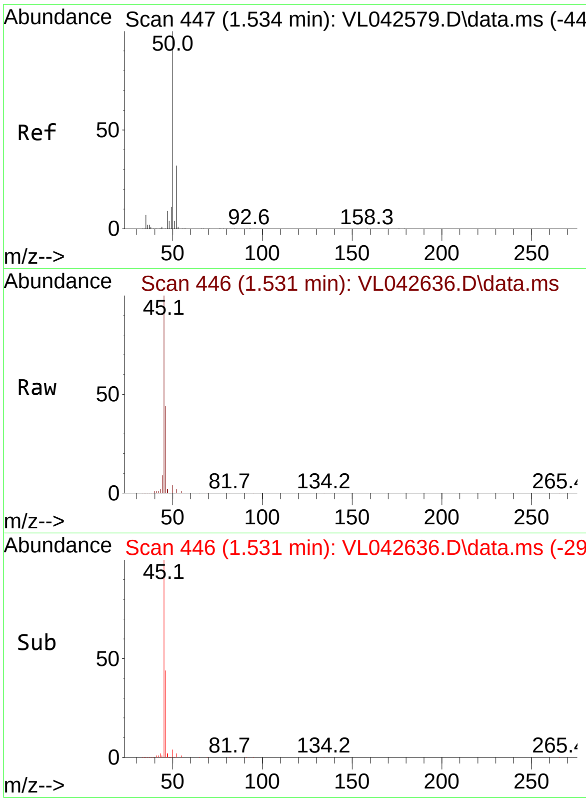


#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 85 Resp: 1473

Ion	Ratio	Lower	Upper
85	100		
87	26.4	26.6	39.8#





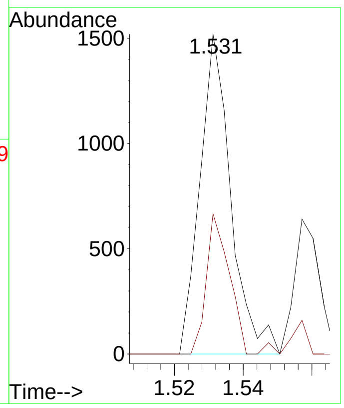
#4
Chloromethane
Concen: 0.196 ppbv
RT: 1.531 min   Scan# 44
Delta R.T.   -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

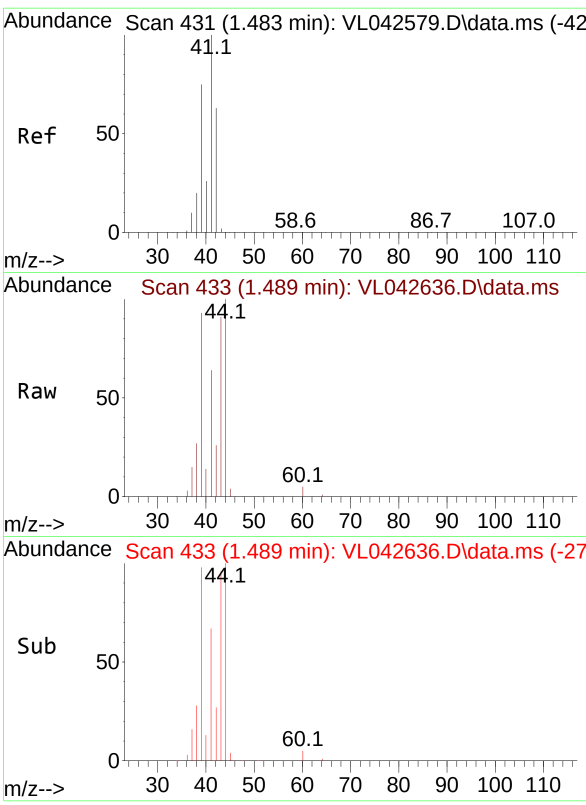
Tgt Ion: 50 Resp: 94

Ion	Ratio	Lower	Upper
50	100		
52	41.7	25.8	38.6#

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

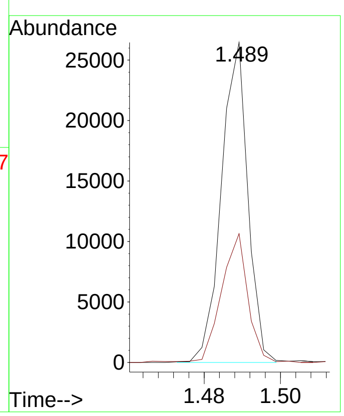


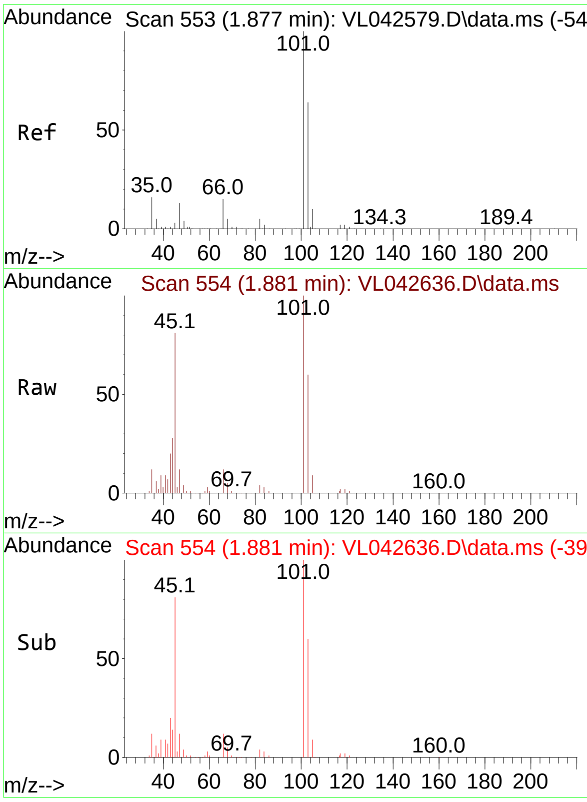


#9
Propene
Concen: 1.870 ppbv m
RT: 1.489 min   Scan# 433
Delta R.T.   0.007 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 41 Resp: 12694

Ion	Ratio	Lower	Upper
41	100		
42	39.5	53.3	79.9#





#11
Trichlorofluoromethane
Concen: 1.714 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion:101 Resp: 1952

Ion	Ratio	Lower	Upper
101	100		
103	60.4	51.5	77.3

Manual Integrations
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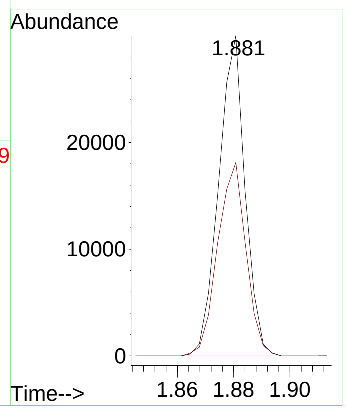
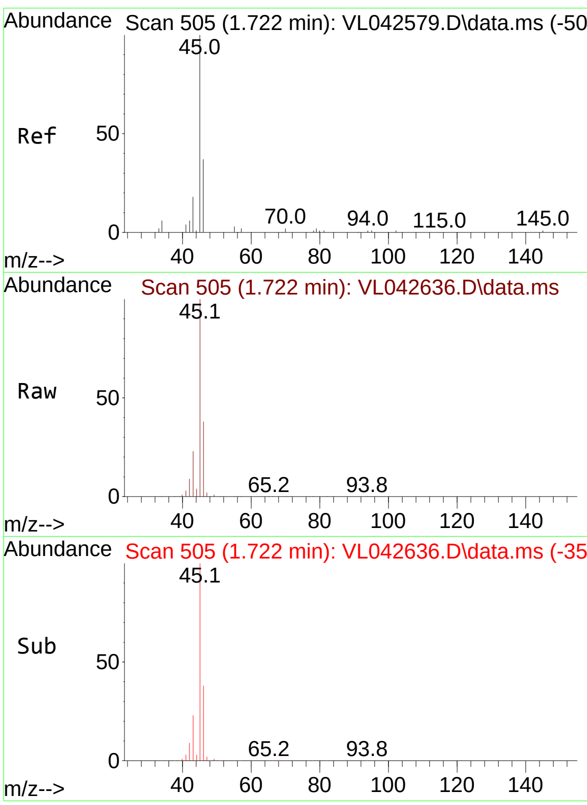
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

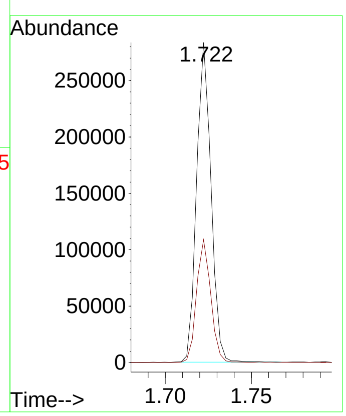


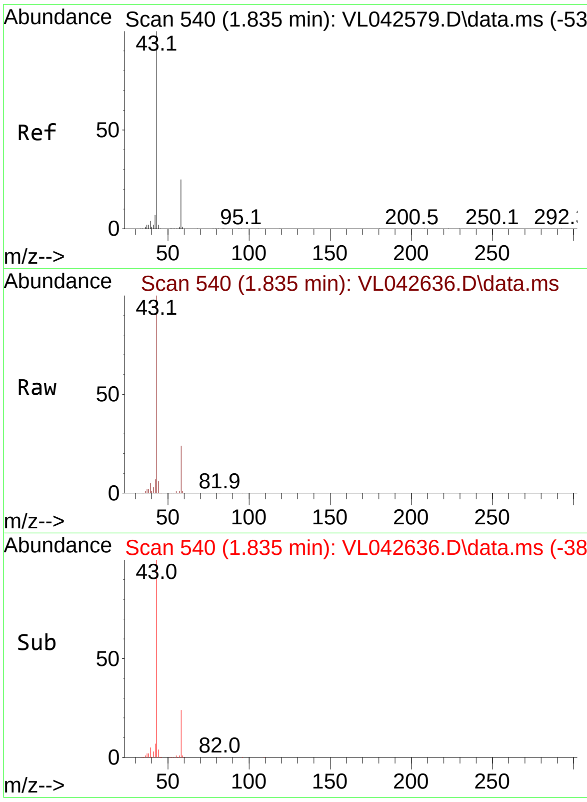


#13
Ethanol
Concen: 204.015 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 45 Resp: 165048

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.5	58.1





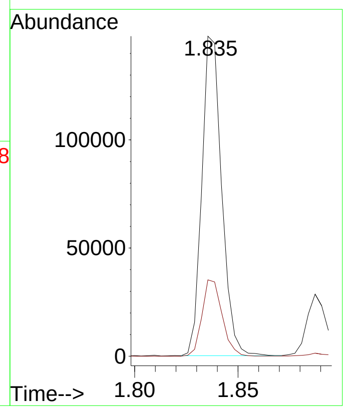
#15
Acetone
Concen: 8.241 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

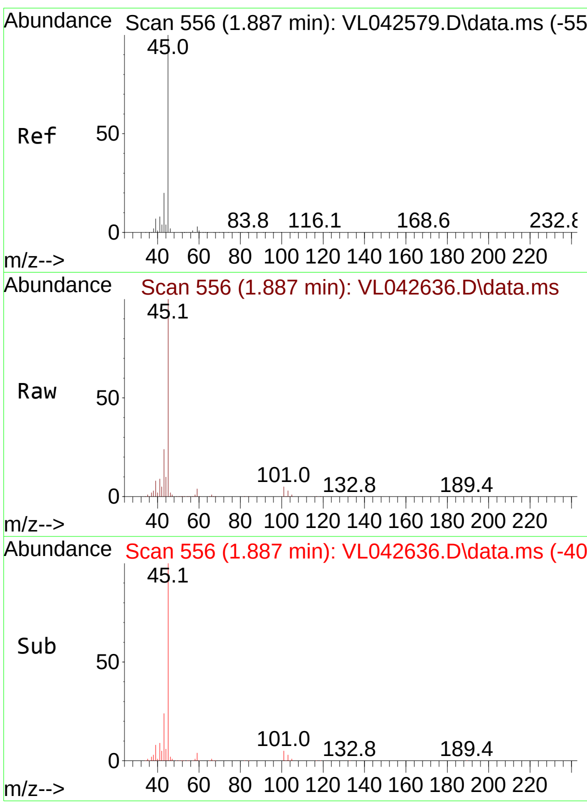
Tgt Ion: 43 Resp: 9885

Ion	Ratio	Lower	Upper
43	100		
58	24.2	21.0	31.4

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

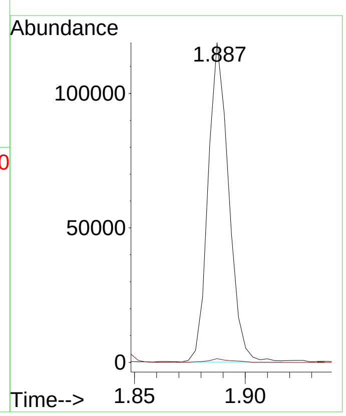


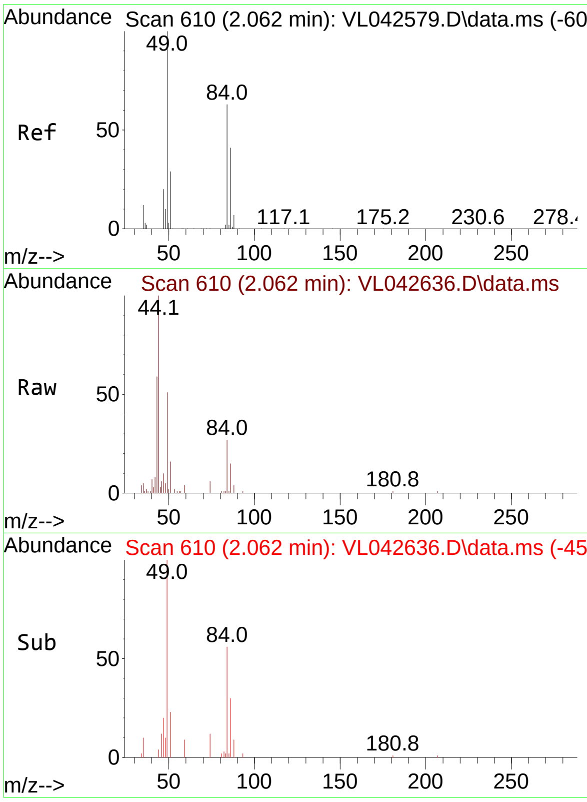


#19
Isopropyl Alcohol
Concen: 10.698 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 45 Resp: 76718

Ion	Ratio	Lower	Upper
45	100		
58	31.3	29.4	44.2





#20
Methylene Chloride
Concen: 0.427 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

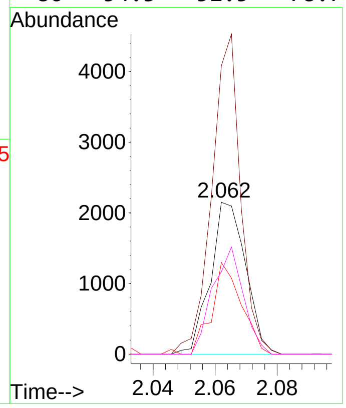
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

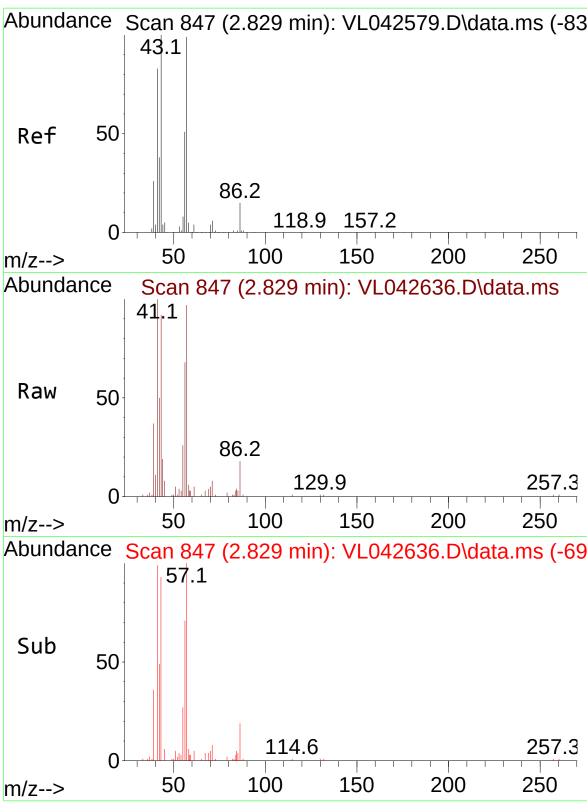
Tgt Ion: 84 Resp: 169

Ion	Ratio	Lower	Upper
84	100		
49	189.9	128.8	193.2
51	60.4	38.6	57.8#
86	54.3	52.5	78.7

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

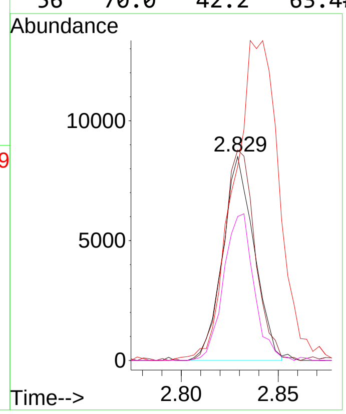


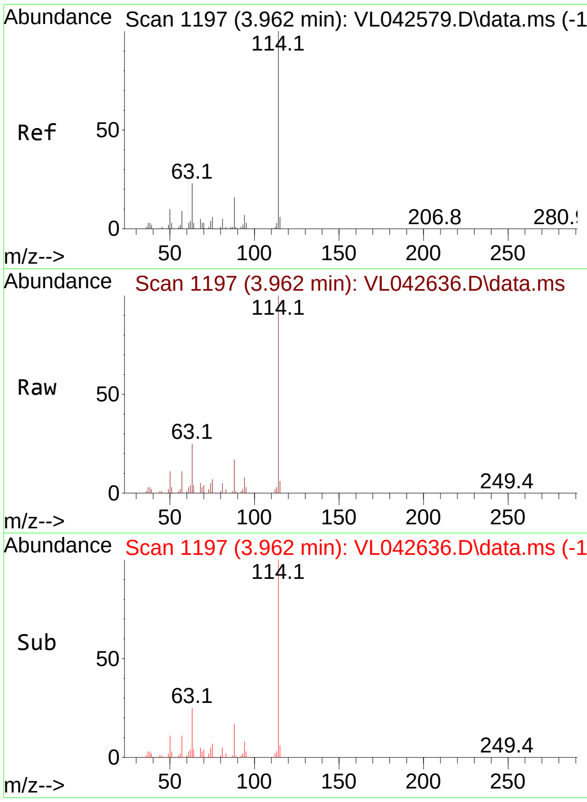


#26
Hexane
Concen: 0.641 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 57 Resp: 9562

Ion	Ratio	Lower	Upper
57	100		
41	107.9	70.6	106.0#
43	232.1	181.1	271.7
56	70.0	42.2	63.4#

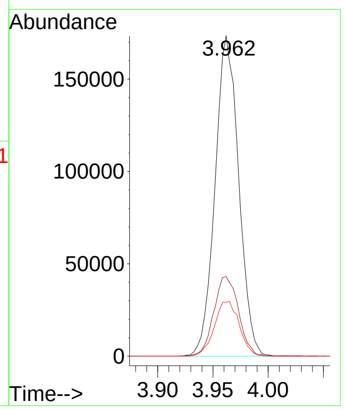




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion:114 Resp: 25862

Ion	Ratio	Lower	Upper
114	100		
63	26.1	19.0	28.6
88	18.1	13.6	20.4



Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations
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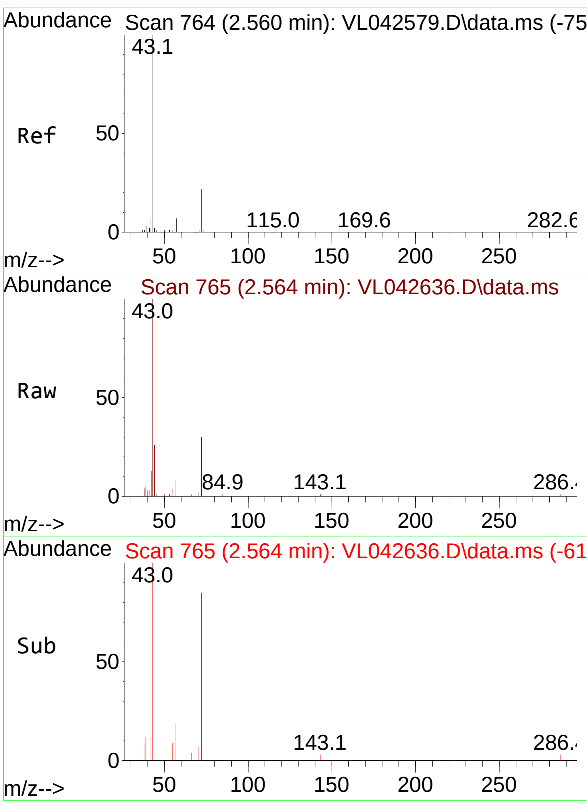
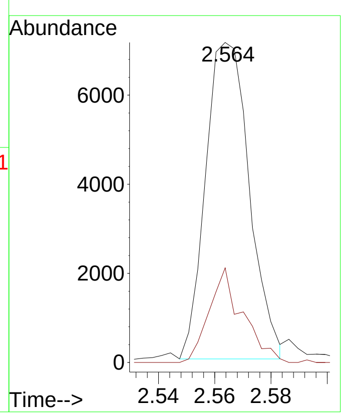
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

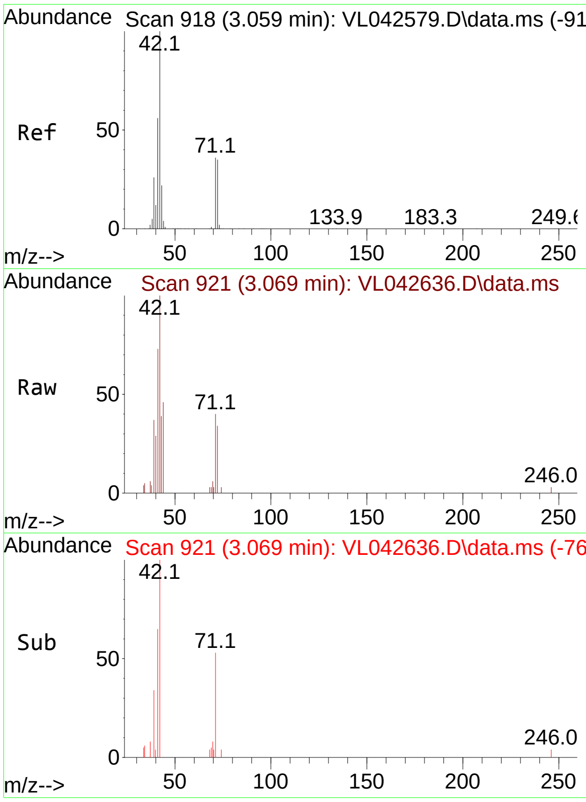


#34
2-Butanone
Concen: 0.416 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 43 Resp: 7674

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5





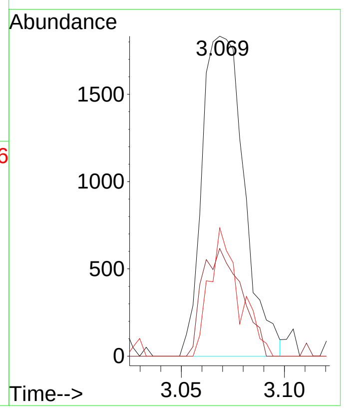
#41
Tetrahydrofuran
Concen: 0.241 ppbv
RT: 3.069 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

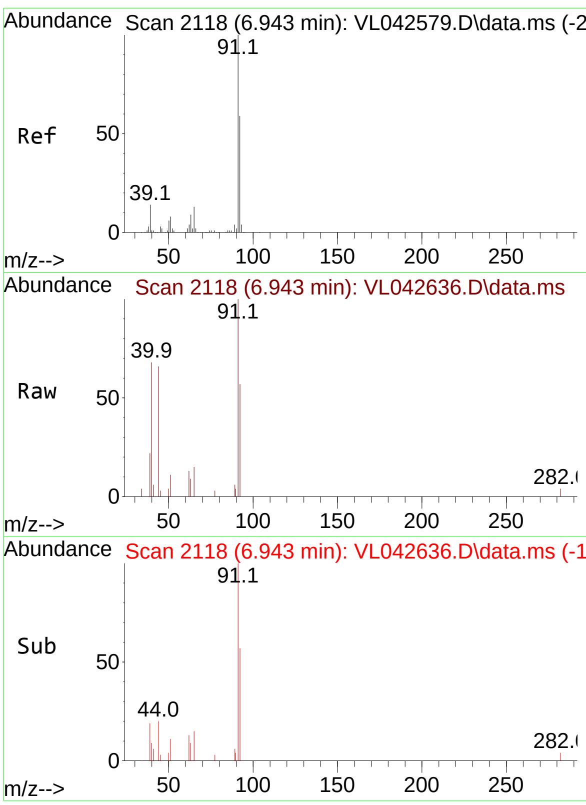
Tgt Ion: 42 Resp: 259

Ion	Ratio	Lower	Upper
42	100		
72	31.4	28.9	43.3
71	28.5	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

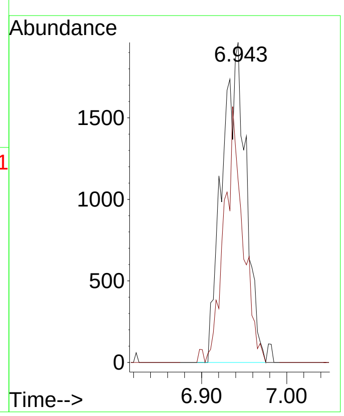


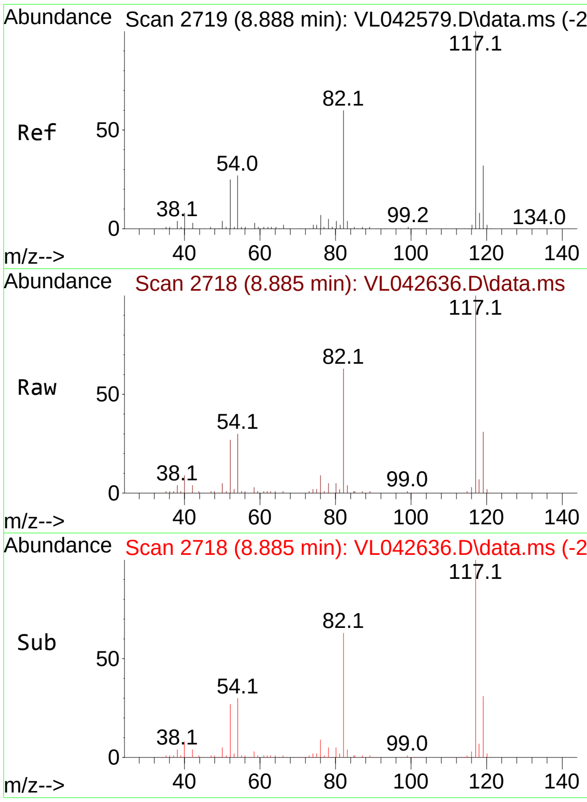


#53
Toluene
Concen: 0.132 ppbv m
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 91 Resp: 3878

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion:117 Resp: 22882

Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.2	76.8
119	31.2	26.3	39.5

Manual Integrations
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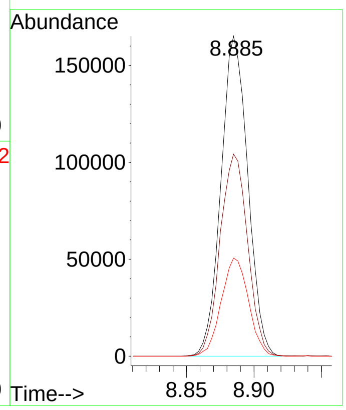
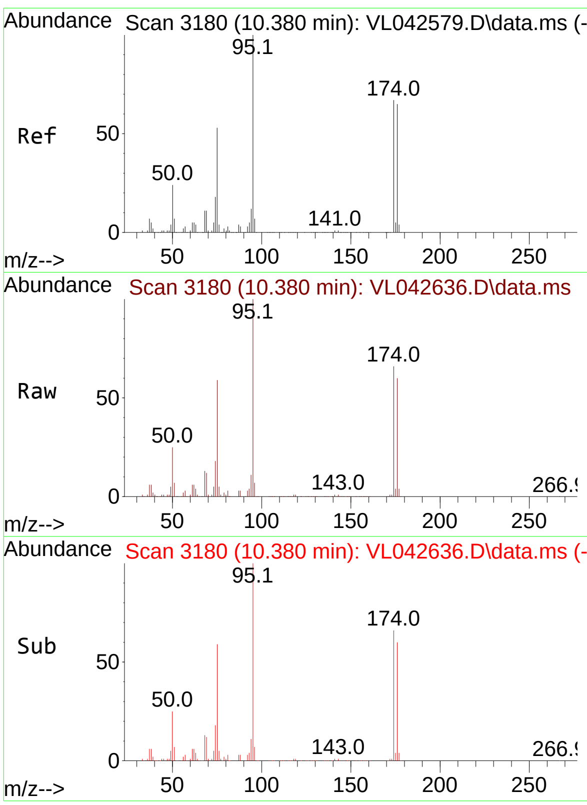
Supervised By :Mahesh Dadoda 06/17/2025

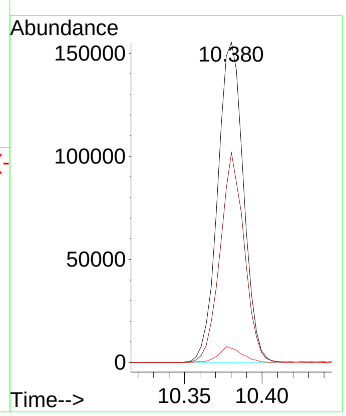


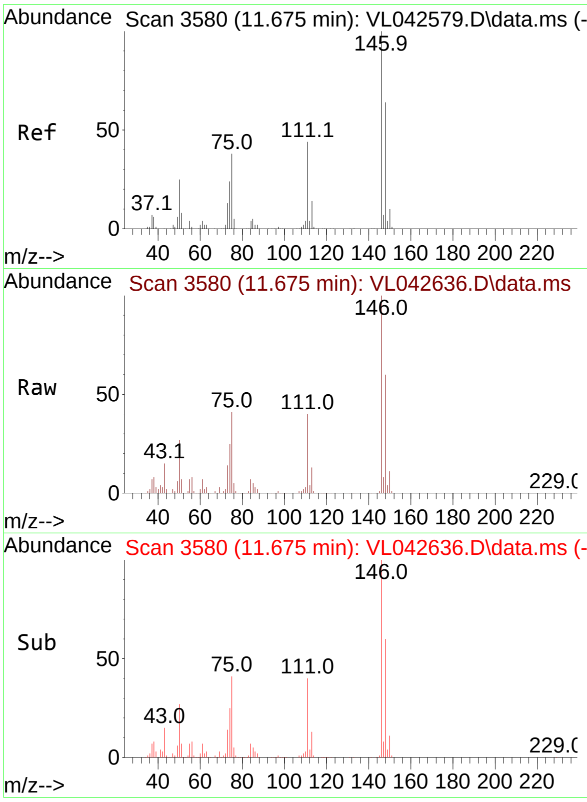


#68
1-Bromo-4-Fluorobenzene
Concen: 10.486 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 95 Resp: 179870

Ion	Ratio	Lower	Upper
95	100		
174	61.6	53.1	79.7
175	4.6	4.2	6.2





#76
1,4-Dichlorobenzene
Concen: 3.225 ppbv
RT: 11.675 min Scan# 3!
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

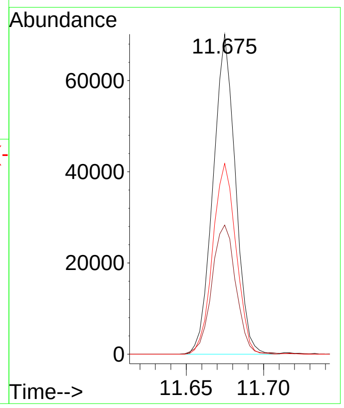
Tgt Ion:146 Resp: 7045!

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	62.4	32.1	96.5

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-2	SDG No.:	Q2317
Lab Sample ID:	Q2317-03	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
VL042629.D	1		06/16/25 15:12	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	2.47		1.04	2.47	ug/m3
74-87-3	Chloromethane	0.70	1.45		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	1.50	4.42		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	5.40	30.4		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.37	1.12	J	0.58	1.52	ug/m3
142-82-5	Heptane	0.21	0.86	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	32.2	76.5	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.59	2.05		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	2.30	6.78		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.080	0.50		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.30	1.47	J	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.34	1.09	J	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.60	2.26		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-2	SDG No.:	Q2317
Lab Sample ID:	Q2317-03	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
VL042629.D	1		06/16/25 15:12	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.040	0.27		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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.28	1.22	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.13	0.64	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	22.2	133	E	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.96	3.38		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	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	106000		2.79			
540-36-3	1,4-Difluorobenzene	287000		3.962			
3114-55-4	Chlorobenzene-d5	265000		8.885			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-2	SDG No.:	Q2317
Lab Sample ID:	Q2317-03	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
VL042629.D	1		06/16/25 15:12	VL061625

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\VL061625\
Data File : VL042629.D
Acq On : 16 Jun 2025 15:12
Operator : SY/MD
Sample : Q2317-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Quant Time: Jun 17 14:19:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	106087	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	286951	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	264656	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	201774	10.170	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6451	0.495	ppbv	95
4) Chloromethane	1.531	50	3632	0.703	ppbv	94
9) Propene	1.486	41	3335m	0.461	ppbv	
10) Heptane	4.985	43	4351m	0.213	ppbv	
11) Trichlorofluoromethane	1.877	101	65222	5.376	ppbv	95
13) Ethanol	1.722	45	486754	564.798	ppbv	98
15) Acetone	1.835	43	410961	32.160	ppbv	99
17) tert-Butyl alcohol	2.043	59	4892m	0.367	ppbv	
19) Isopropyl Alcohol	1.887	45	78614	10.291	ppbv #	1
20) Methylene Chloride	2.062	84	2472	0.586	ppbv #	93
25) Ethyl Acetate	2.842	43	32533	0.930	ppbv #	91
26) Hexane	2.829	57	15180	0.955	ppbv	95
29) Chloroform	2.852	83	6100	0.295	ppbv	100
34) 2-Butanone	2.564	43	46400	2.267	ppbv	98
35) Carbon Tetrachloride	3.768	117	1577m	0.083	ppbv	
36) Benzene	3.661	78	9624	0.341	ppbv #	91
41) Tetrahydrofuran	3.065	42	18450	1.540	ppbv	93
52) Tetrachloroethene	8.225	164	390m	0.037	ppbv	
53) Toluene	6.936	91	19503	0.597	ppbv	100
58) Ethyl Benzene	9.361	91	4016	0.089	ppbv #	85
59) m/p-Xylene	9.539	91	10049m	0.284	ppbv	
60) o-Xylene	9.969	91	3689	0.105	ppbv	99
69) p-Isopropyltoluene	11.930	119	30528	0.549	ppbv	93
74) 1,2,4-Trimethylbenzene	11.539	105	5204	0.129	ppbv #	67
76) 1,4-Dichlorobenzene	11.675	146	559989	22.160	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042629.D
Acq On : 16 Jun 2025 15:12
Operator : SY/MD
Sample : Q2317-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 14:19:02 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 :
115-IA-2

Manual Integrations
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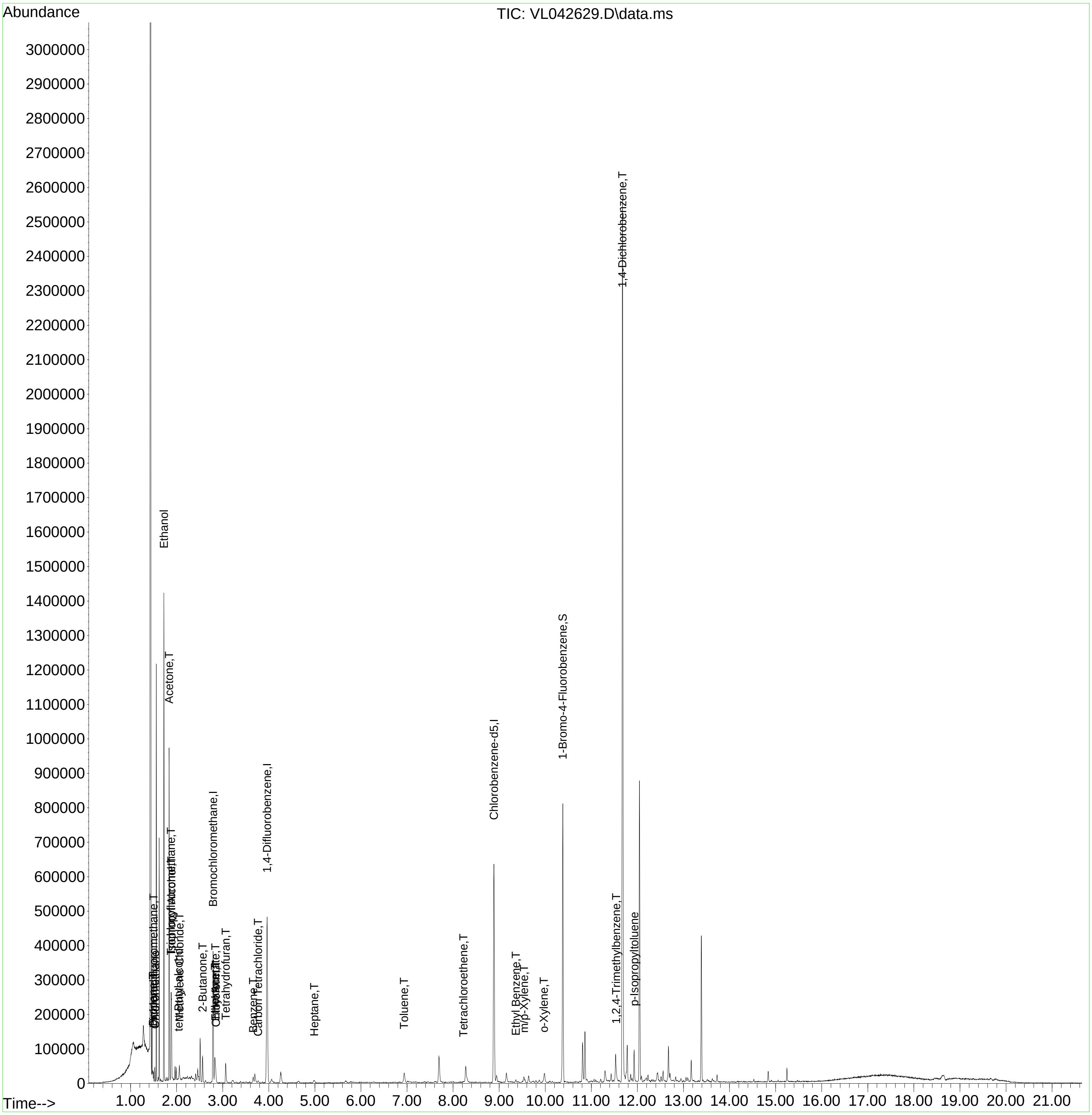
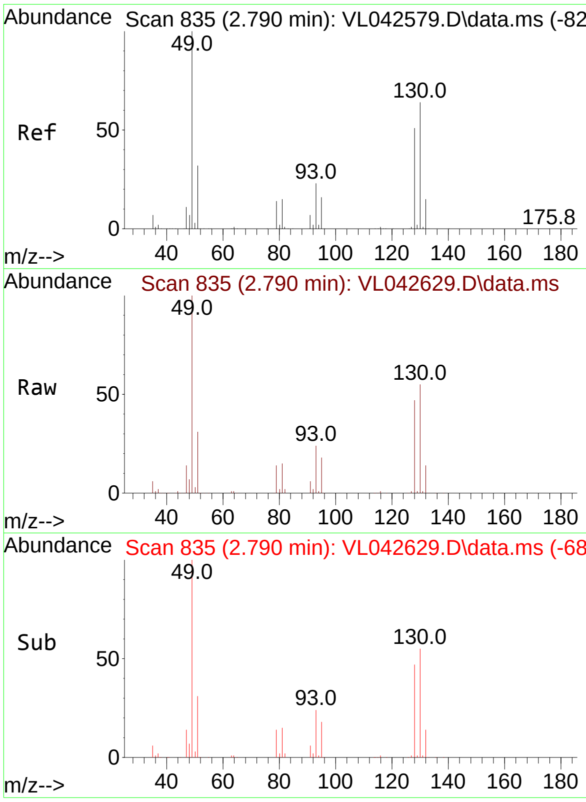
Supervised By :Mahesh Dadoda 06/20/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 49 Resp: 10608

Ion	Ratio	Lower	Upper
49	100		
128	46.2	24.2	72.6
130	57.9	30.4	91.2

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

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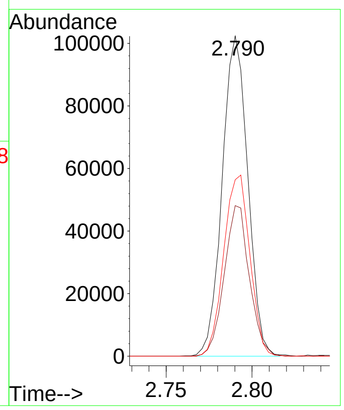
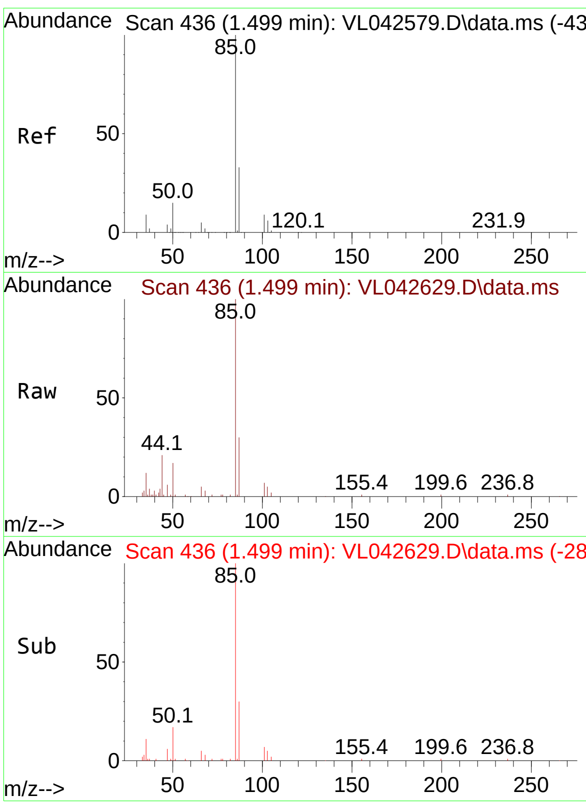
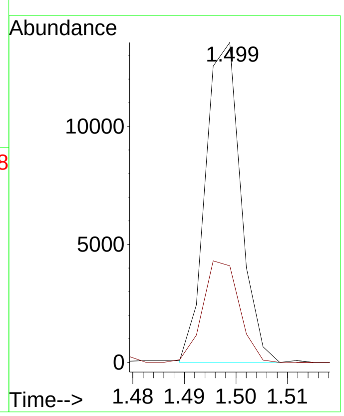


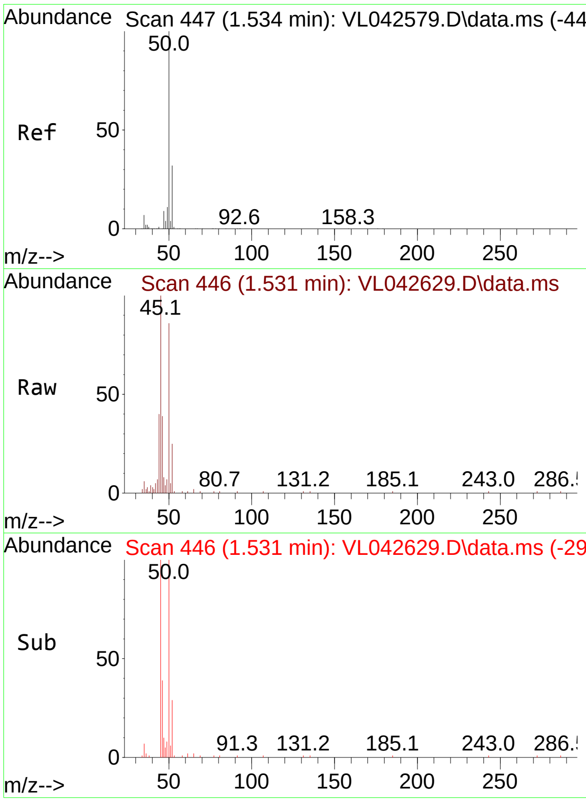


#2
Dichlorodifluoromethane
Concen: 0.495 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 85 Resp: 6451

Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.6	39.8





#4
Chloromethane
Concen: 0.703 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 50 Resp: 363

Ion	Ratio	Lower	Upper
50	100		
52	28.8	25.8	38.6

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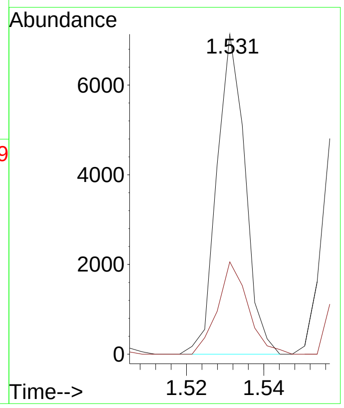
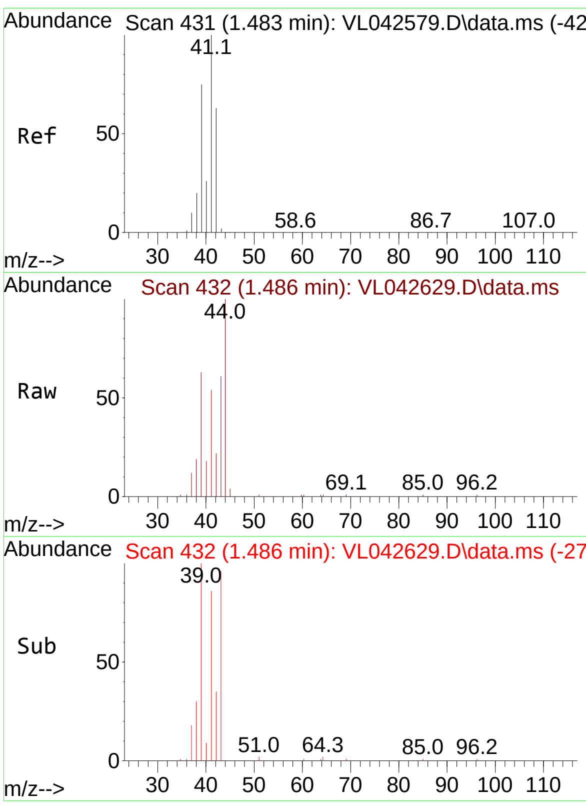
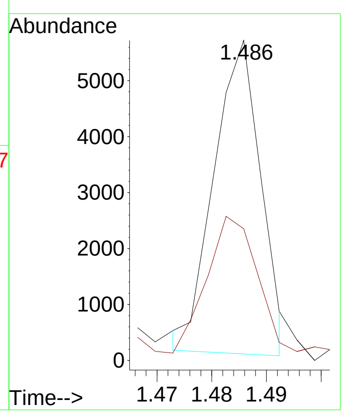


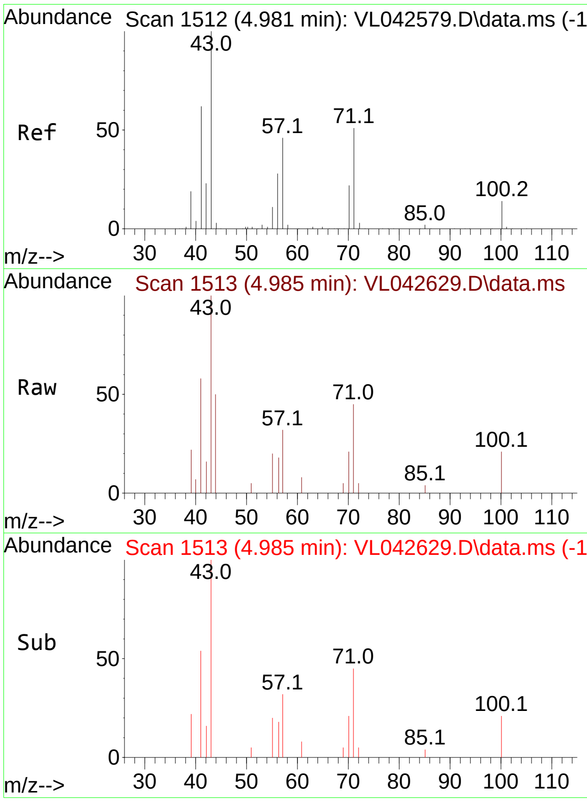


#9
Propene
Concen: 0.461 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 41 Resp: 3335

Ion	Ratio	Lower	Upper
41	100		
42	2569.7	53.3	79.9#





#10
Heptane
Concen: 0.213 ppbv m
RT: 4.985 min Scan# 1!
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 435!

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

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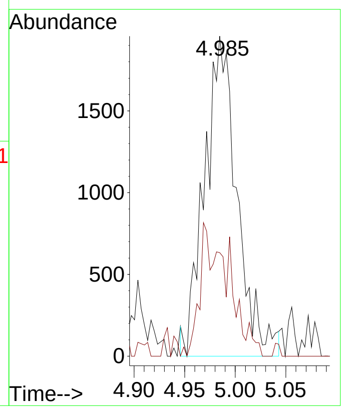
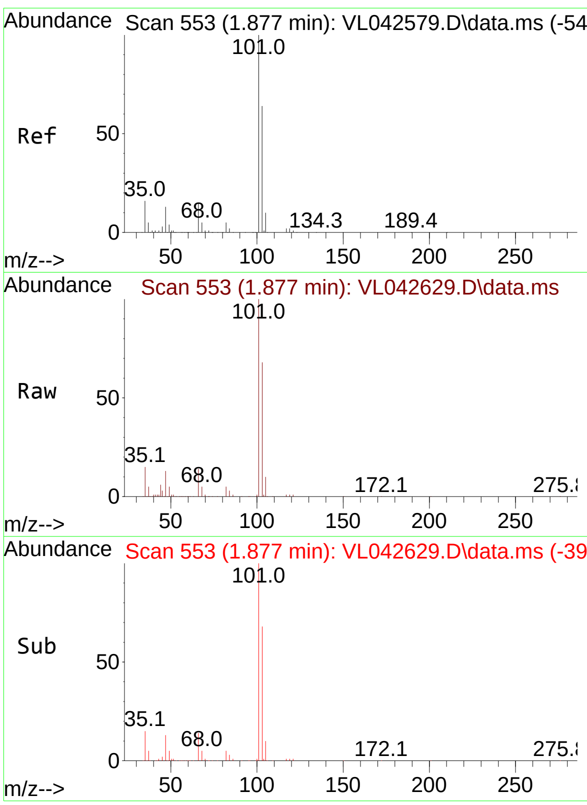
Supervised By :Mahesh Dadoda 06/20/2025

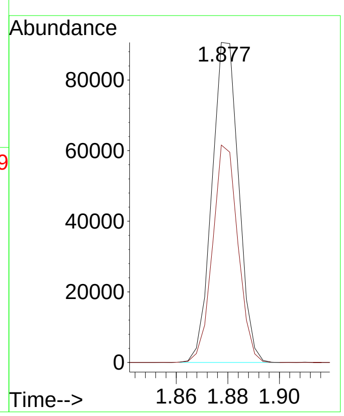


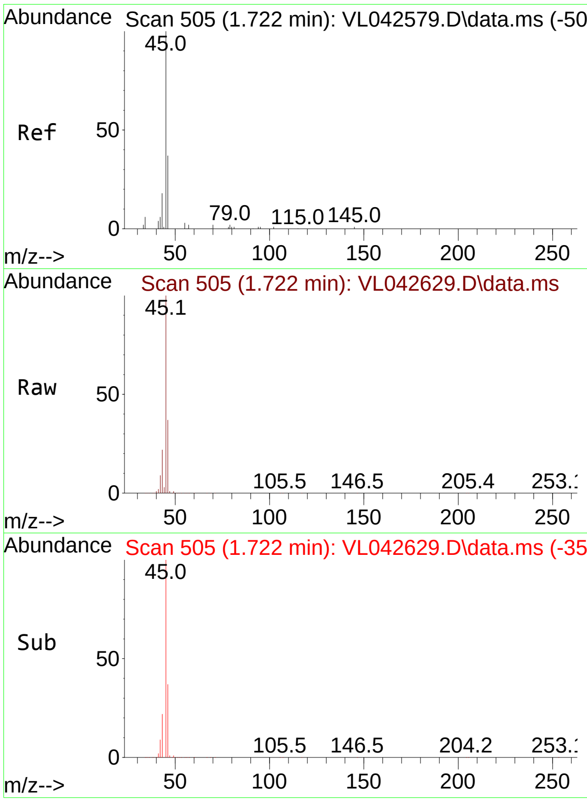


#11
Trichlorofluoromethane
Concen: 5.376 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:101 Resp: 65222

Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.5	77.3





#13
Ethanol
Concen: 564.798 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 45 Resp: 48675
Ion Ratio Lower Upper
45 100
46 37.6 14.5 58.1

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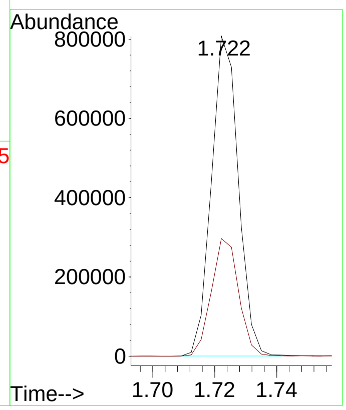
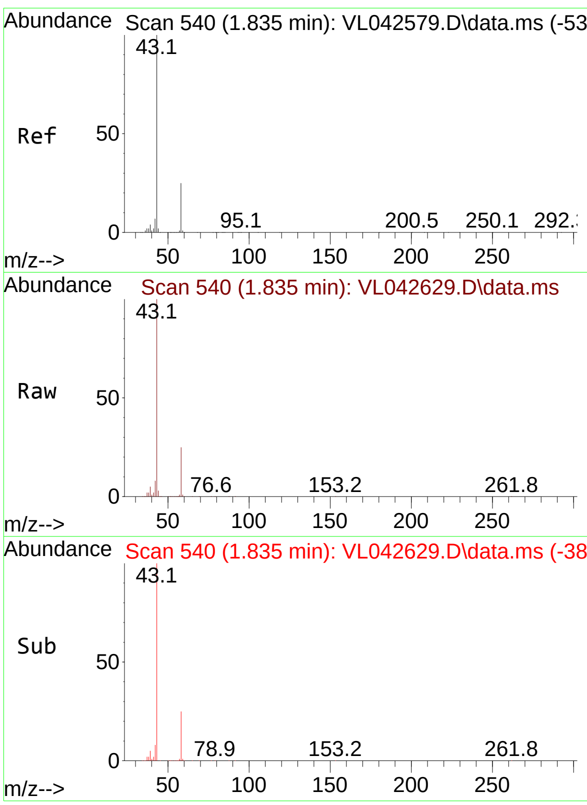
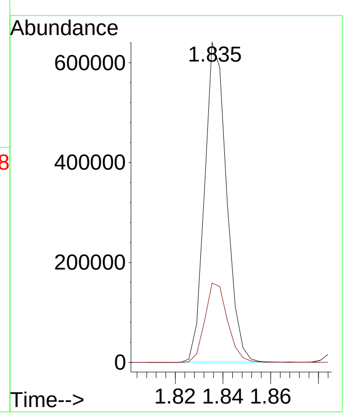
Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

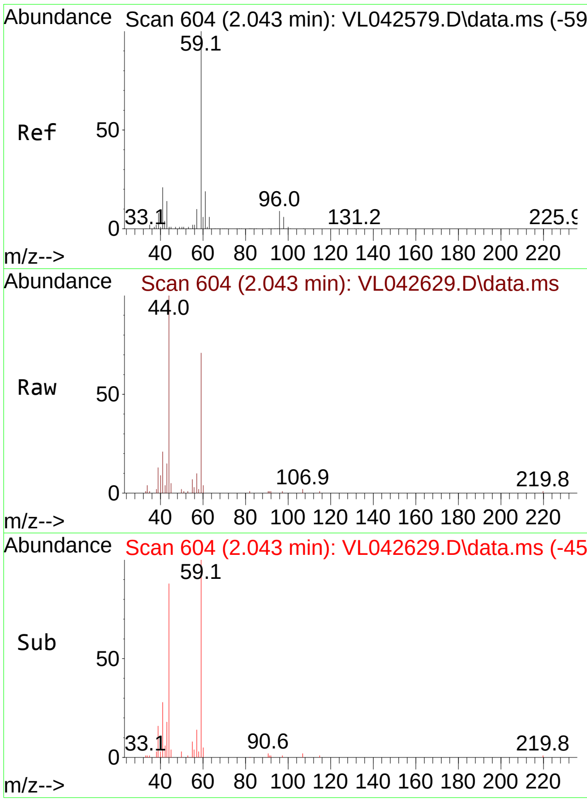




#15
Acetone
Concen: 32.160 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 410961
Ion Ratio Lower Upper
43 100
58 25.6 21.0 31.4





#17
tert-Butyl alcohol
Concen: 0.367 ppbv m
RT: 2.043 min Scan# 60
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 59 Resp: 489

Ion	Ratio	Lower	Upper
59	100		
57	13.2	8.6	12.8#

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
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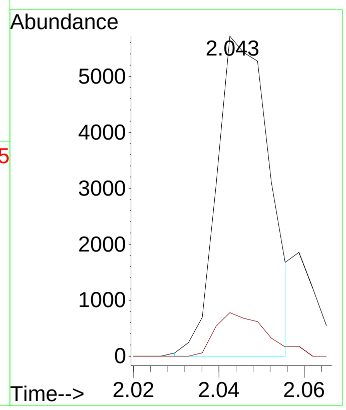
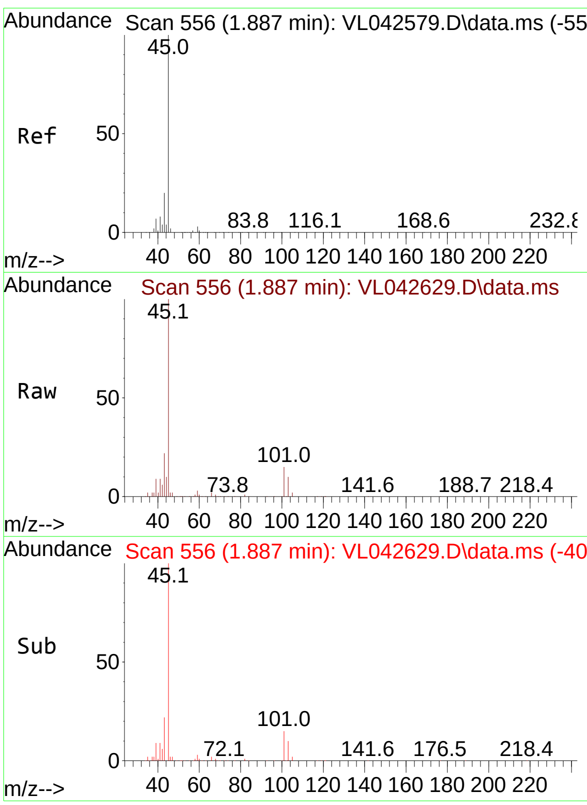
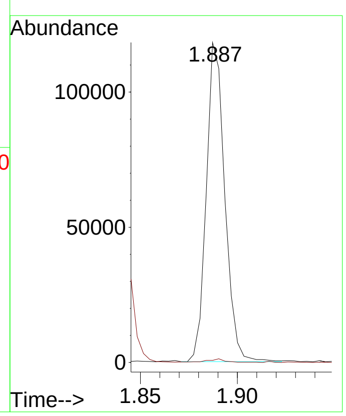


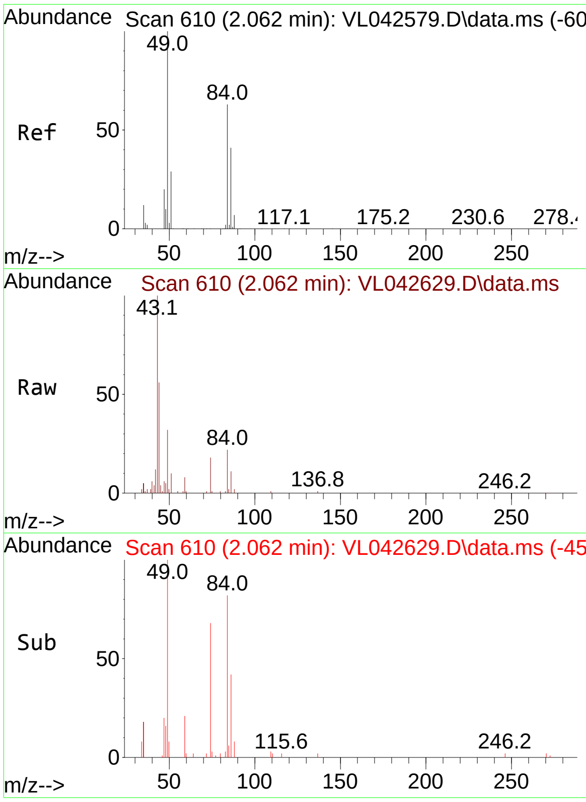


#19
Isopropyl Alcohol
Concen: 10.291 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 45 Resp: 78614

Ion	Ratio	Lower	Upper
45	100		
58	133.9	29.4	44.2#





#20
Methylene Chloride
Concen: 0.586 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 84 Resp: 247

Ion	Ratio	Lower	Upper
84	100		
49	158.4	128.8	193.2
51	43.6	38.6	57.8
86	51.1	52.5	78.7#

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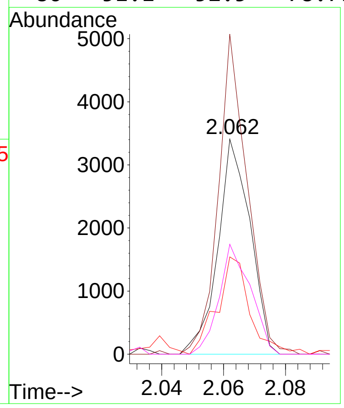
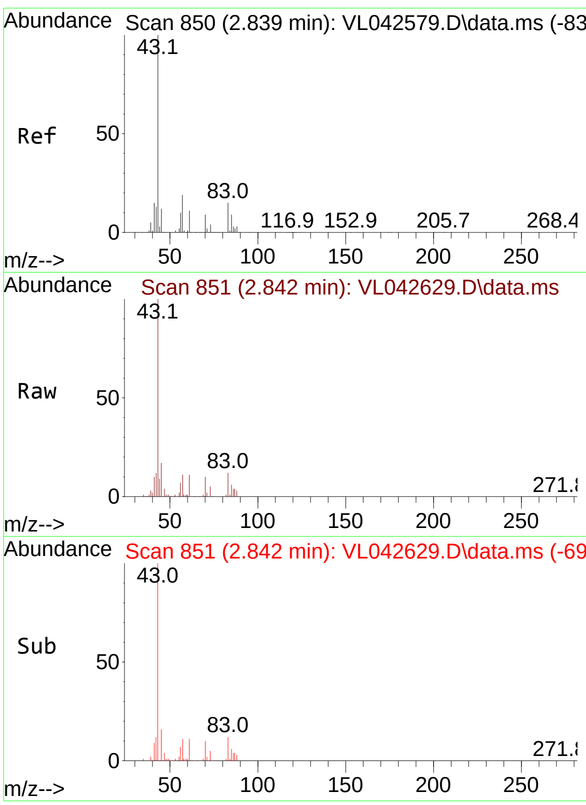
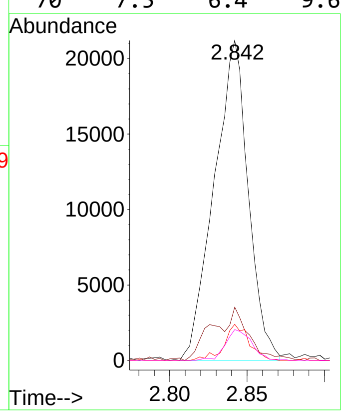


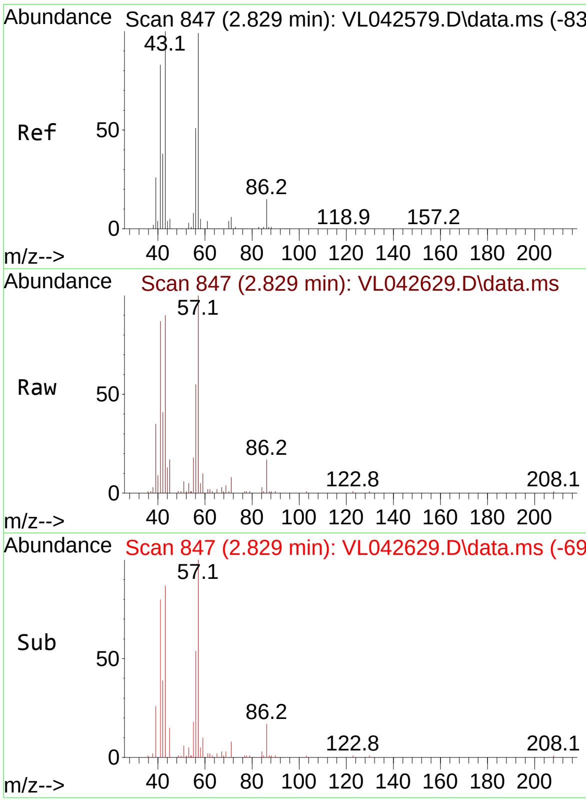


#25
Ethyl Acetate
Concen: 0.930 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 32533

Ion	Ratio	Lower	Upper
43	100		
45	18.4	8.2	12.2#
61	8.4	7.1	10.7
70	7.5	6.4	9.6





#26
Hexane
Concen: 0.955 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 57 Resp: 1518

Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.6	106.0
43	218.4	181.1	271.7
56	57.5	42.2	63.4

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

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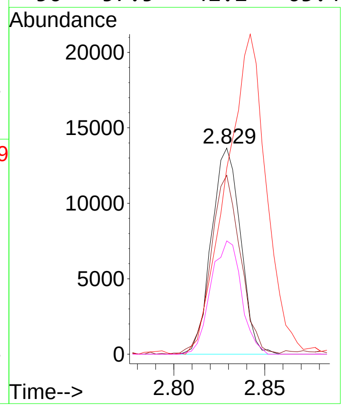
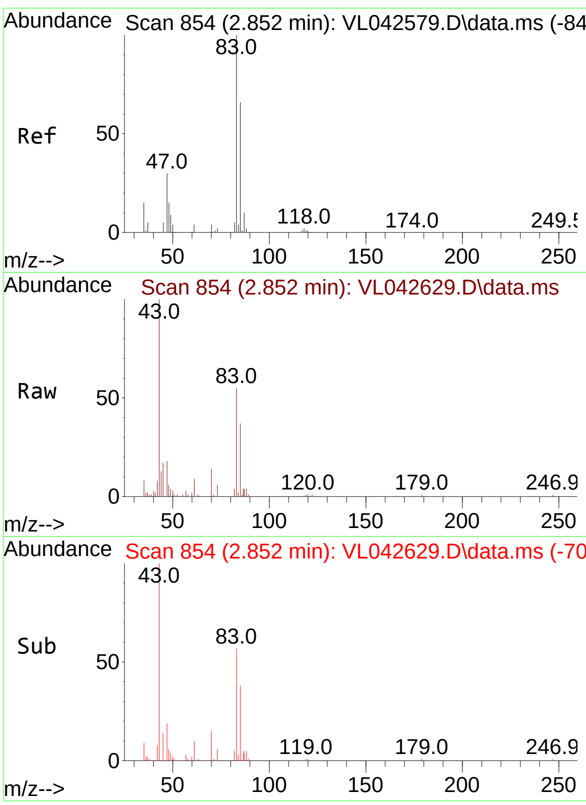
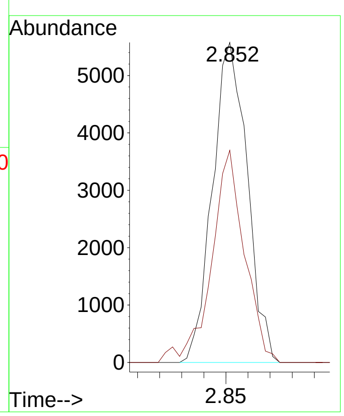


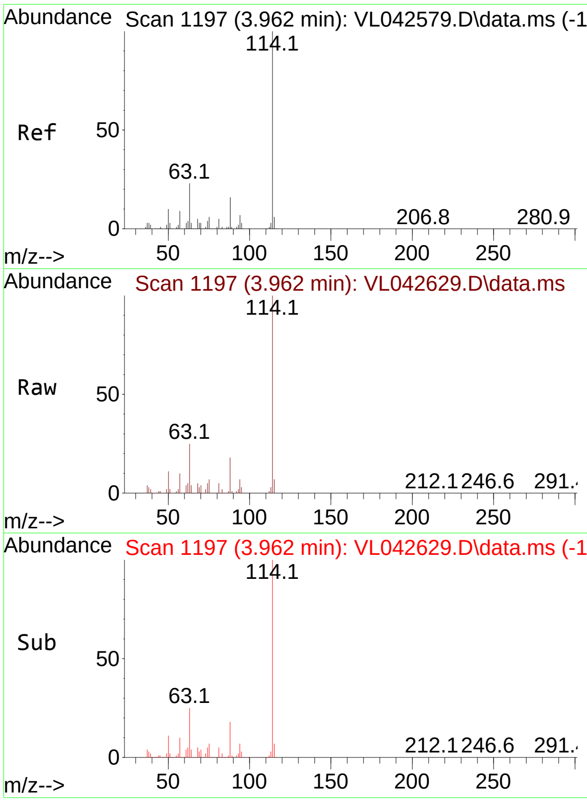


#29
Chloroform
Concen: 0.295 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 83 Resp: 6100

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

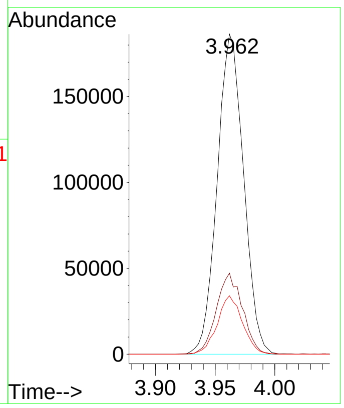
Tgt Ion:114 Resp: 28695

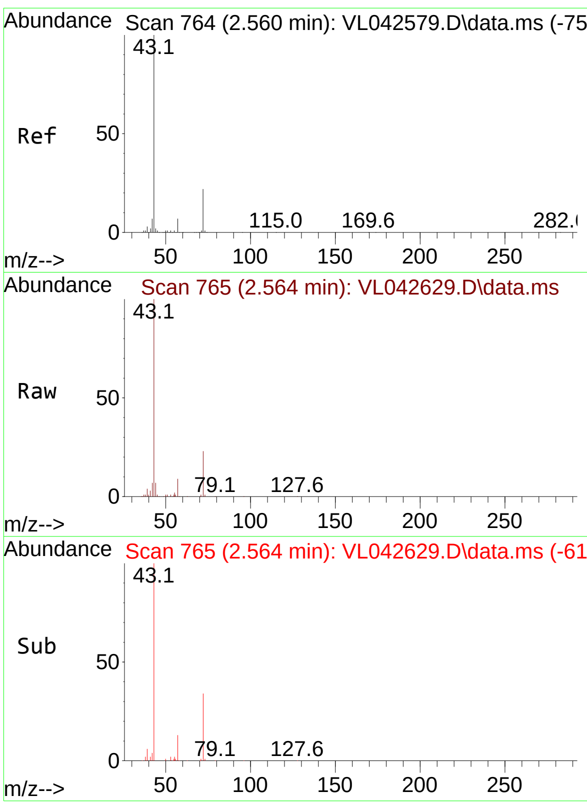
Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.4	13.6	20.4

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

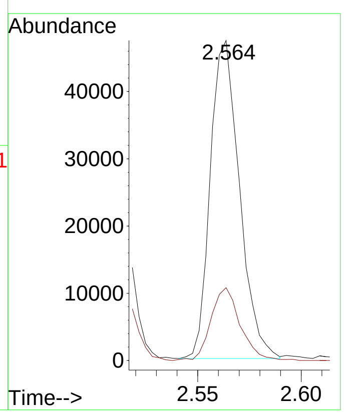


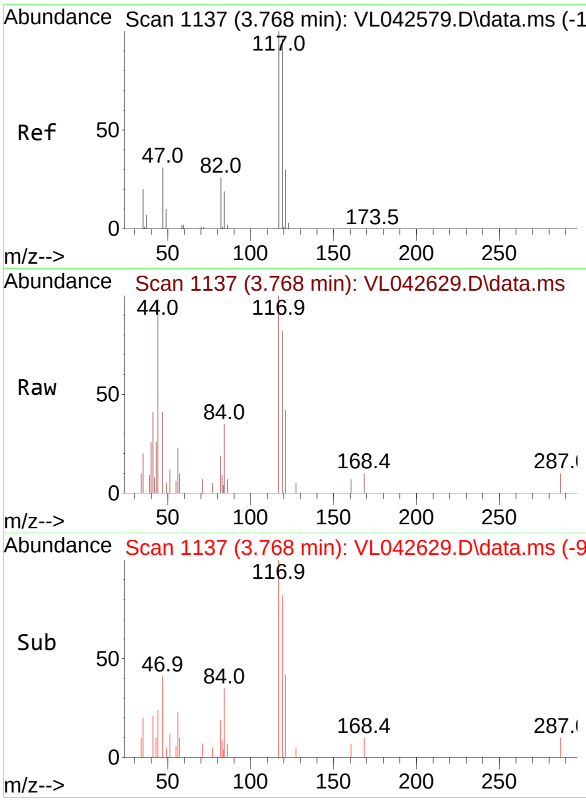


#34
2-Butanone
Concen: 2.267 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 46400

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5





#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 3.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

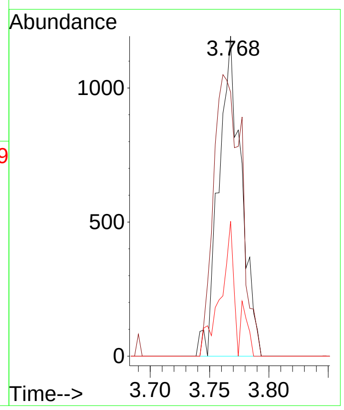
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

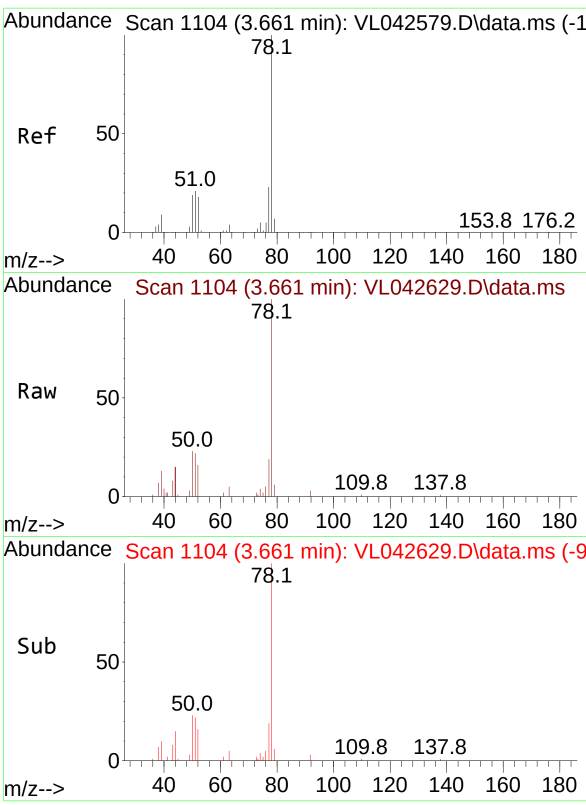
Tgt Ion:117 Resp: 157

Ion	Ratio	Lower	Upper
117	100		
119	82.5	76.8	115.2
121	42.2	24.3	36.5#

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

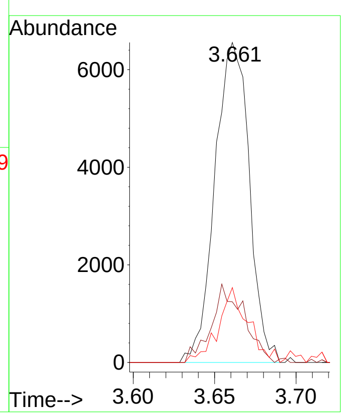


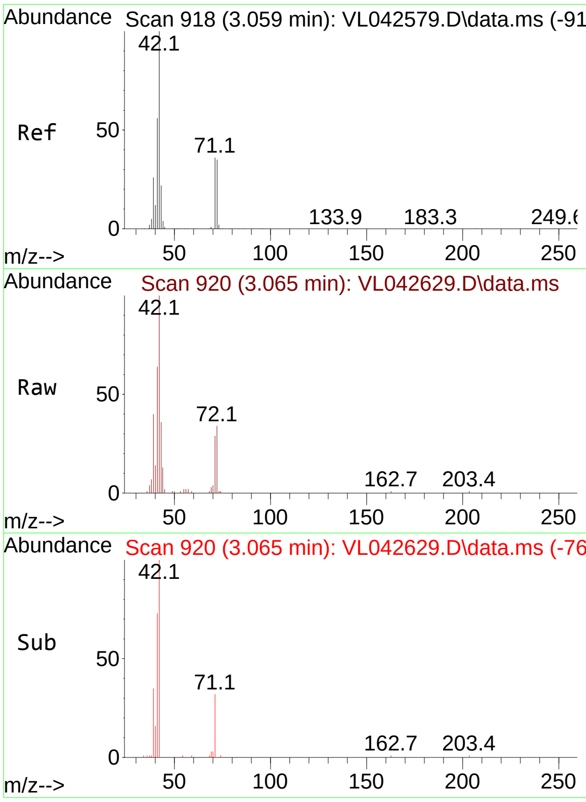


#36
Benzene
Concen: 0.341 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 78 Resp: 9624

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.2	27.2
50	23.4	15.2	22.8#





#41
Tetrahydrofuran
Concen: 1.540 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

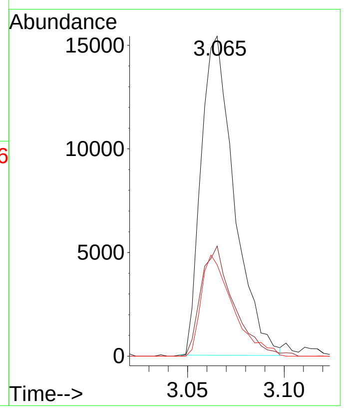
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

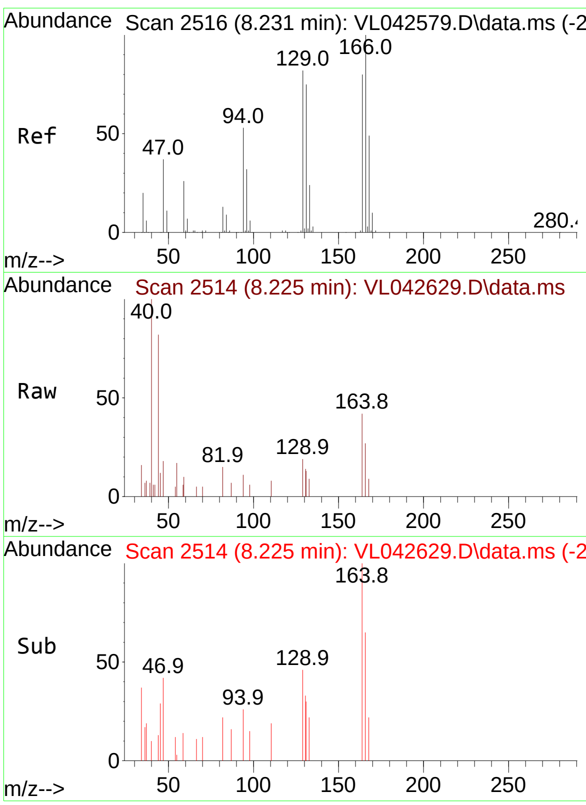
Tgt Ion: 42 Resp: 1845

Ion	Ratio	Lower	Upper
42	100		
72	33.8	28.9	43.3
71	30.2	28.5	42.7

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

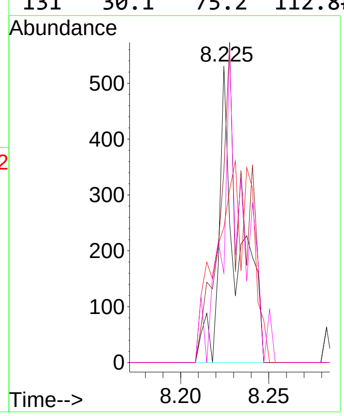


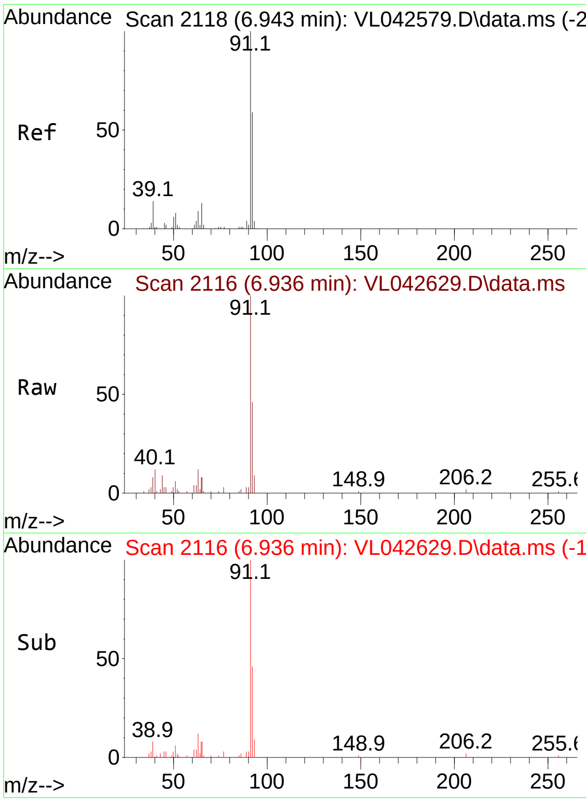


#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 8.225 min Scan# 2514
Delta R.T. -0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:164 Resp: 390

Ion	Ratio	Lower	Upper
164	100		
166	64.6	100.0	150.0#
129	45.6	82.2	123.4#
131	30.1	75.2	112.8#





#53
Toluene
Concen: 0.597 ppbv
RT: 6.936 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

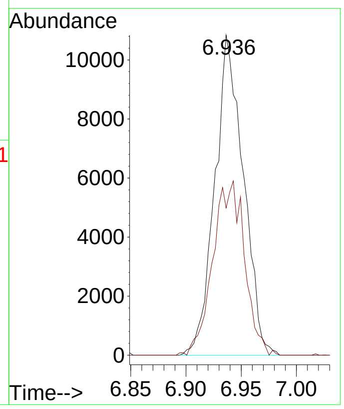
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

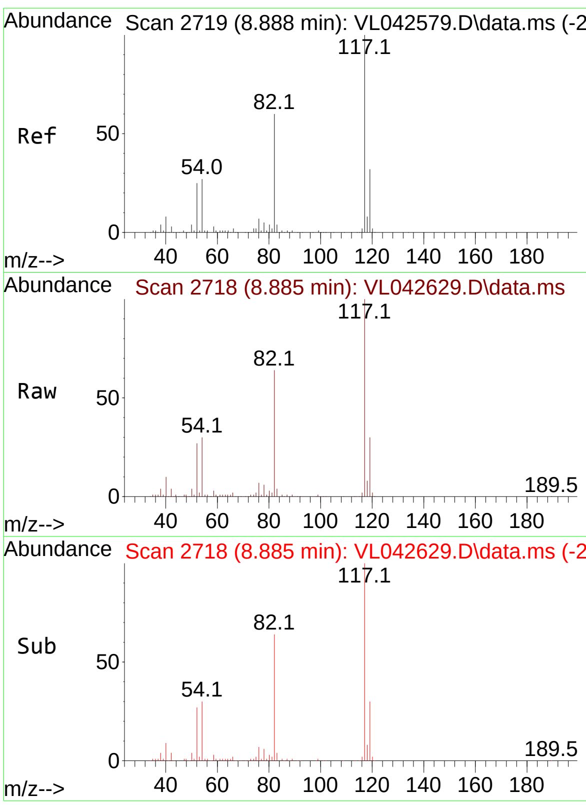
Tgt Ion: 91 Resp: 1950

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

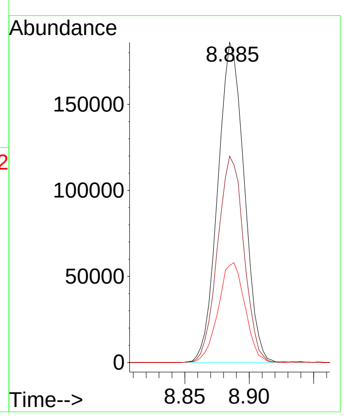


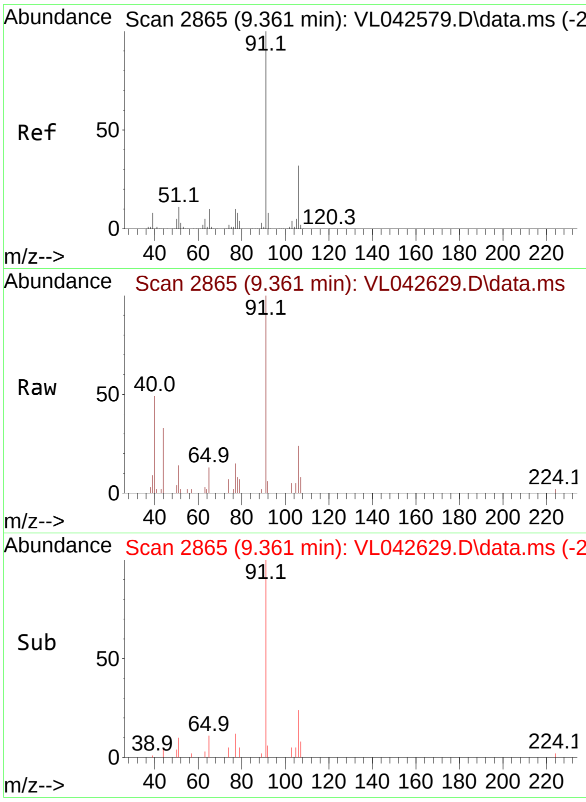


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:117 Resp: 264656

Ion	Ratio	Lower	Upper
117	100		
82	64.6	51.2	76.8
119	31.8	26.3	39.5





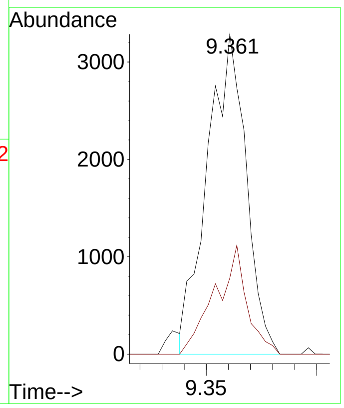
#58
Ethyl Benzene
Concen: 0.089 ppbv
RT: 9.361 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

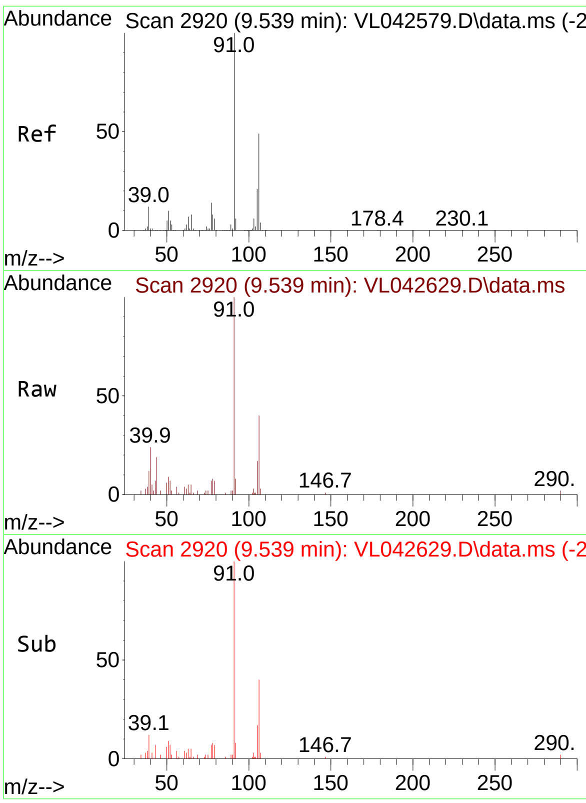
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 91 Resp: 401

Ion	Ratio	Lower	Upper
91	100		
106	23.8	25.9	38.9

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

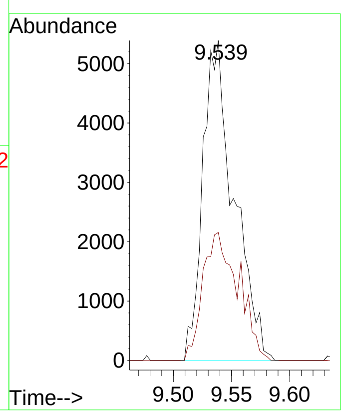


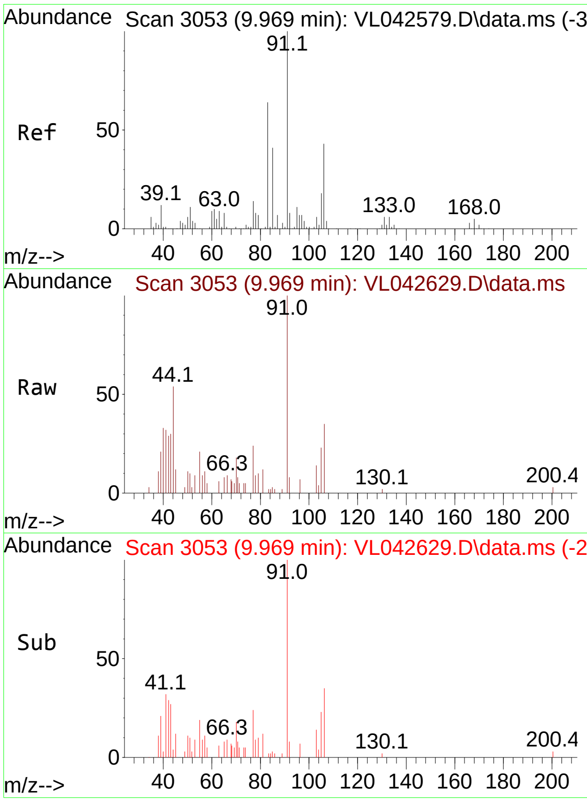


#59
m/p-Xylene
Concen: 0.284 ppbv m
RT: 9.539 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 10049

Ion	Ratio	Lower	Upper
91	100		
106	45.5	38.8	58.2





#60
o-Xylene
Concen: 0.105 ppbv
RT: 9.969 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

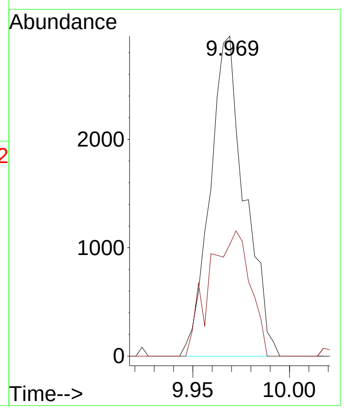
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

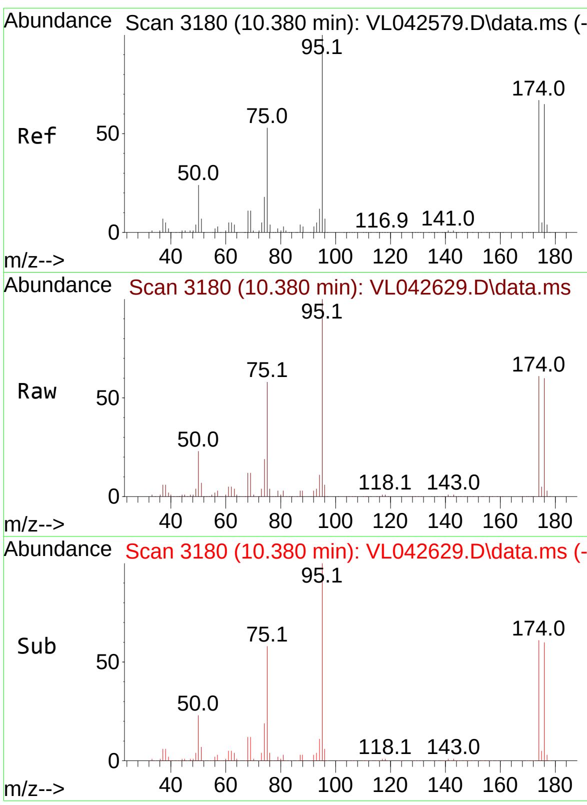
Tgt Ion: 91 Resp: 368

Ion	Ratio	Lower	Upper
91	100		
106	46.3	22.9	68.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

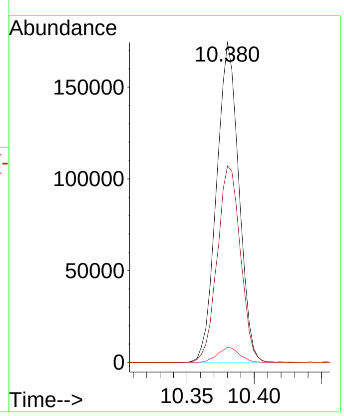


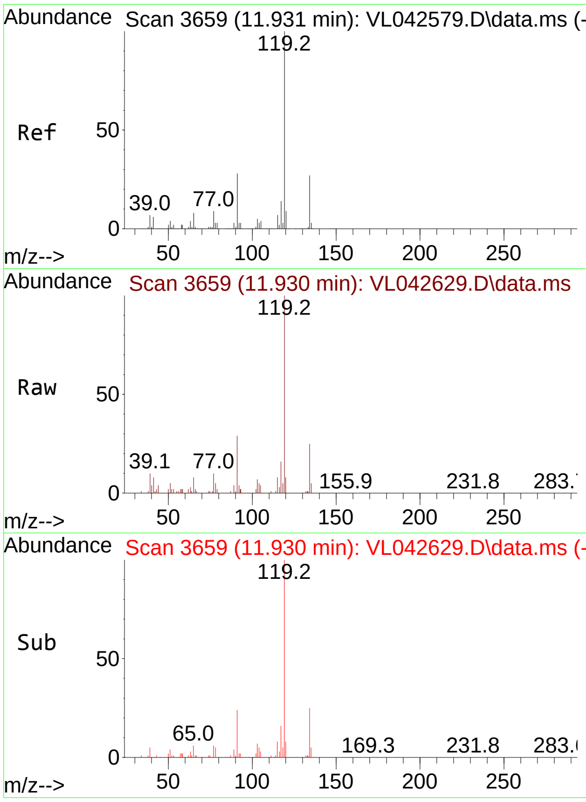


#68
1-Bromo-4-Fluorobenzene
Concen: 10.170 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 95 Resp: 201774

Ion	Ratio	Lower	Upper
95	100		
174	63.9	53.1	79.7
175	4.6	4.2	6.2





#69
p-Isopropyltoluene
Concen: 0.549 ppbv
RT: 11.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

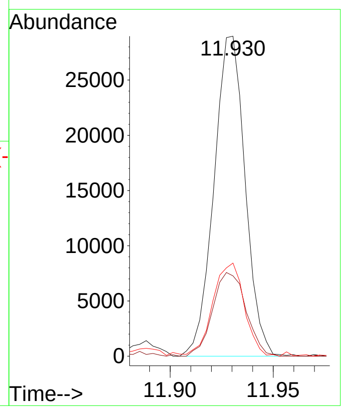
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

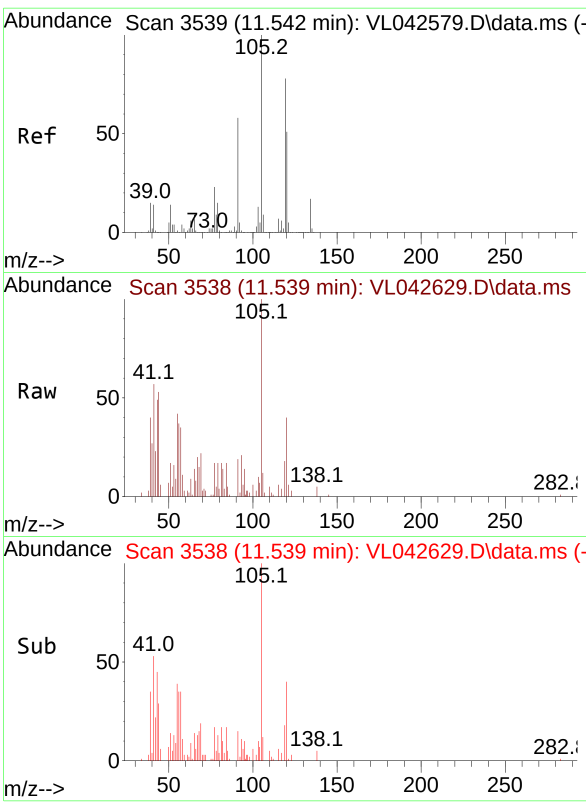
Tgt Ion:119 Resp: 3052

Ion	Ratio	Lower	Upper
119	100		
134	28.9	21.1	31.7
91	31.7	21.9	32.9

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

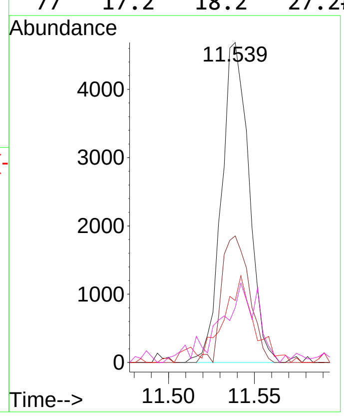


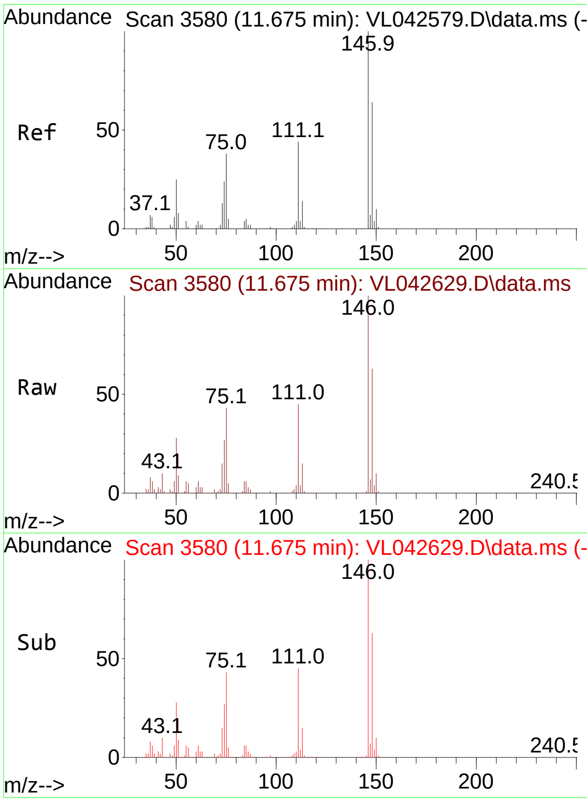


#74
1,2,4-Trimethylbenzene
Concen: 0.129 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:105 Resp: 5204

Ion	Ratio	Lower	Upper
105	100		
120	39.5	40.8	61.2#
91	17.1	46.8	70.2#
77	17.2	18.2	27.2#

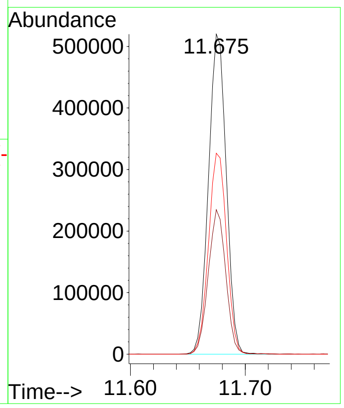




#76
1,4-Dichlorobenzene
Concen: 22.160 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:146 Resp: 559989

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.6	64.8
148	64.0	32.1	96.5



Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/20/2025
Supervised By :Mahesh Dadoda 06/20/2025

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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-2DL	SDG No.:	Q2317
Lab Sample ID:	Q2317-03DL	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
VL042637.D	5		06/16/25 19:46	VL061625

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	12.4	ug/m3
74-87-3	Chloromethane	0.81	1.67	JD	1.01	5.16	ug/m3
75-01-4	Vinyl Chloride	0.070	0.18	UD	0.18	0.38	ug/m3
74-83-9	Bromomethane	0.70	2.72	UD	2.72	9.71	ug/m3
75-00-3	Chloroethane	0.85	2.24	UD	2.24	6.60	ug/m3
109-99-9	Tetrahydrofuran	1.40	4.13	JD	1.92	7.37	ug/m3
75-69-4	Trichlorofluoromethane	6.40	36.0	D	4.50	14.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	6.13	UD	6.13	19.2	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.44	3.08	UD	3.08	17.5	ug/m3
75-65-0	tert-Butyl alcohol	0.95	2.88	UD	2.88	7.58	ug/m3
142-82-5	Heptane	0.55	2.25	UD	2.25	10.3	ug/m3
75-35-4	1,1-Dichloroethene	0.70	2.78	UD	2.78	9.91	ug/m3
67-64-1	Acetone	35.8	85.0	D	2.85	5.94	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	7.79	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.60	2.16	UD	2.16	9.01	ug/m3
75-09-2	Methylene Chloride	0.95	3.30	UD	3.30	8.69	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.95	3.77	UD	3.77	9.91	ug/m3
75-34-3	1,1-Dichloroethane	0.65	2.63	UD	2.63	10.1	ug/m3
110-82-7	Cyclohexane	1.10	3.79	UD	3.79	8.61	ug/m3
78-93-3	2-Butanone	2.40	7.08	JD	1.77	7.37	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38	UD	0.38	0.94	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.45	1.78	UD	1.78	9.91	ug/m3
67-66-3	Chloroform	0.42	2.05	UD	2.05	12.2	ug/m3
71-55-6	1,1,1-Trichloroethane	0.050	0.27	UD	0.27	0.82	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	UD	2.34	11.7	ug/m3
71-43-2	Benzene	0.44	1.41	UD	1.41	7.99	ug/m3
107-06-2	1,2-Dichloroethane	0.46	1.86	UD	1.86	10.1	ug/m3
79-01-6	Trichloroethene	0.090	0.48	UD	0.48	0.81	ug/m3
78-87-5	1,2-Dichloropropane	0.55	2.54	UD	2.54	11.6	ug/m3
75-27-4	Bromodichloromethane	0.39	2.61	UD	2.61	16.8	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.47	1.93	UD	1.93	10.3	ug/m3
108-88-3	Toluene	0.55	2.07	UD	2.07	9.42	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	UD	1.36	11.3	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.32	1.45	UD	1.45	11.3	ug/m3
79-00-5	1,1,2-Trichloroethane	0.36	1.96	UD	1.96	13.6	ug/m3

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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-2DL	SDG No.:	Q2317
Lab Sample ID:	Q2317-03DL	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
VL042637.D	5		06/16/25 19:46	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.33	2.81	UD	2.81	21.3	ug/m3
106-93-4	1,2-Dibromoethane	0.36	2.77	UD	2.77	3.84	ug/m3
127-18-4	Tetrachloroethene	0.080	0.54	UD	0.54	1.02	ug/m3
108-90-7	Chlorobenzene	0.38	1.75	UD	1.75	11.5	ug/m3
100-41-4	Ethyl Benzene	0.60	2.61	UD	2.61	10.9	ug/m3
179601-23-1	m/p-Xylene	1.10	4.78	UD	4.78	21.7	ug/m3
95-47-6	o-Xylene	0.60	2.61	UD	2.61	10.9	ug/m3
100-42-5	Styrene	0.55	2.34	UD	2.34	10.6	ug/m3
75-25-2	Bromoform	0.28	2.90	UD	2.90	25.9	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.060	0.41	UD	0.41	1.03	ug/m3
95-49-8	2-Chlorotoluene	0.55	2.85	UD	2.85	12.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.55	2.70	UD	2.70	12.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.39	1.92	UD	1.92	12.3	ug/m3
541-73-1	1,3-Dichlorobenzene	0.40	2.40	UD	2.40	15.0	ug/m3
106-46-7	1,4-Dichlorobenzene	21.5	129	D	1.62	15.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.38	2.28	UD	2.28	15.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.43	3.19	UD	3.19	18.6	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.43	4.59	UD	4.59	26.7	ug/m3
106-99-0	1,3-Butadiene	0.65	1.44	UD	1.44	5.53	ug/m3
91-20-3	Naphthalene	0.38	1.99	UD	1.99	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.60	2.95	UD	2.95	12.3	ug/m3
110-54-3	Hexane	0.76	2.68	JD	1.94	8.81	ug/m3
107-05-1	Allyl Chloride	0.75	2.35	UD	2.35	7.83	ug/m3
123-91-1	1,4-Dioxane	1.10	3.96	UD	3.96	9.01	ug/m3
80-62-6	Methyl Methacrylate	0.43	1.76	UD	1.76	10.2	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	102000		2.79			
540-36-3	1,4-Difluorobenzene	256000		3.962			
3114-55-4	Chlorobenzene-d5	226000		8.885			

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-IA-2DL	SDG No.:	Q2317
Lab Sample ID:	Q2317-03DL	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
VL042637.D	5		06/16/25 19:46	VL061625

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\VL061625\
Data File : VL042637.D
Acq On : 16 Jun 2025 19:46
Operator : SY/MD
Sample : Q2317-03DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Quant Time: Jun 17 03:10:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	101539	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	255635	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	225996	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	174084	10.276	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1351	0.108	ppbv #	76
4) Chloromethane	1.534	50	802	0.162	ppbv #	87
11) Trichlorofluoromethane	1.877	101	14944	1.287	ppbv	93
13) Ethanol	1.722	45	104557	126.755	ppbv	96
15) Acetone	1.835	43	87546	7.158	ppbv	99
19) Isopropyl Alcohol	1.887	45	16309	2.231	ppbv #	1
26) Hexane	2.832	57	2298	0.151	ppbv #	79
34) 2-Butanone	2.560	43	8807	0.483	ppbv	94
41) Tetrahydrofuran	3.065	42	2948m	0.276	ppbv	
53) Toluene	6.933	91	2916m	0.100	ppbv	
76) 1,4-Dichlorobenzene	11.672	146	92972	4.309	ppbv	99

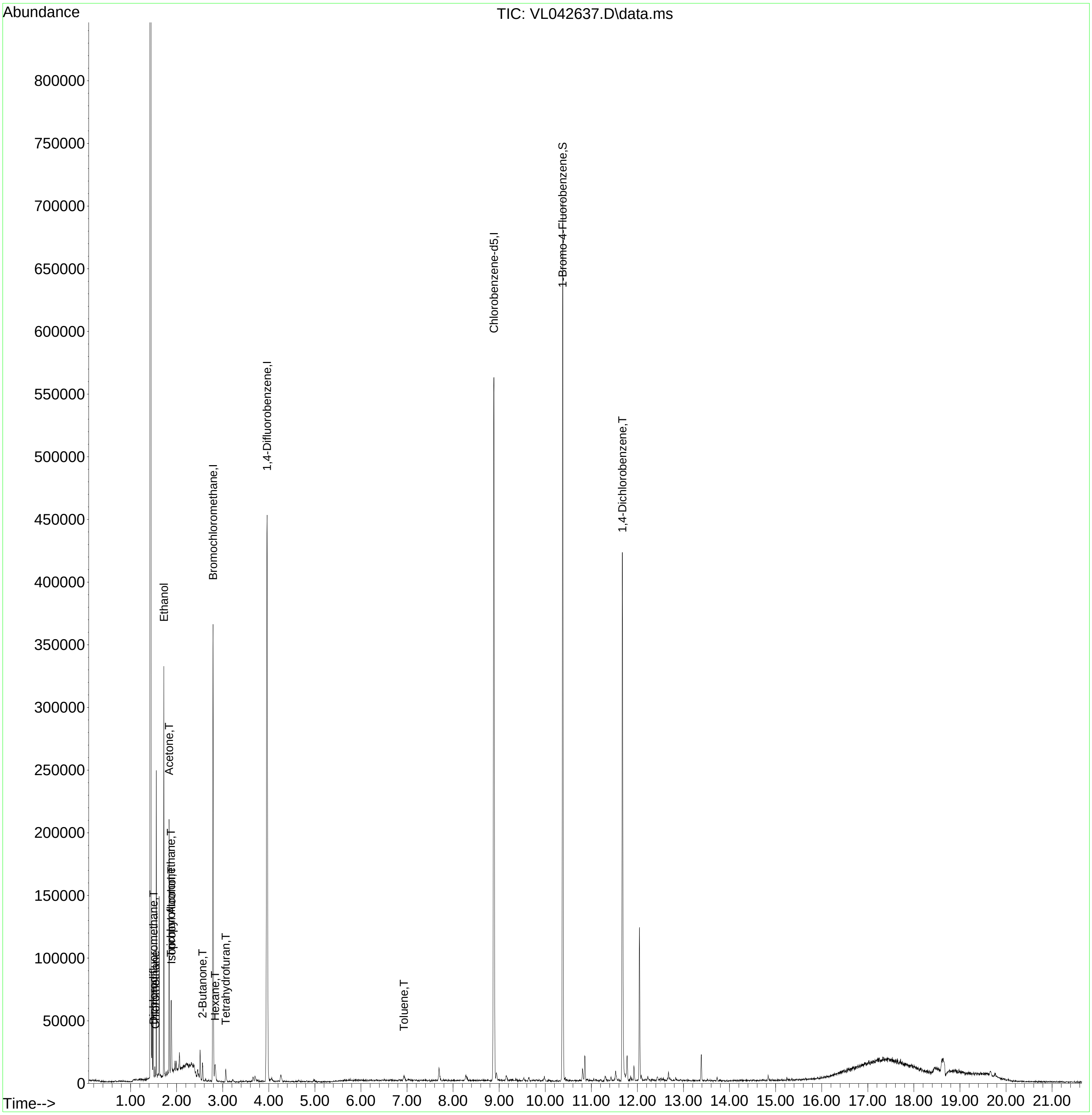
(#) = qualifier out of range (m) = manual integration (+) = signals summed

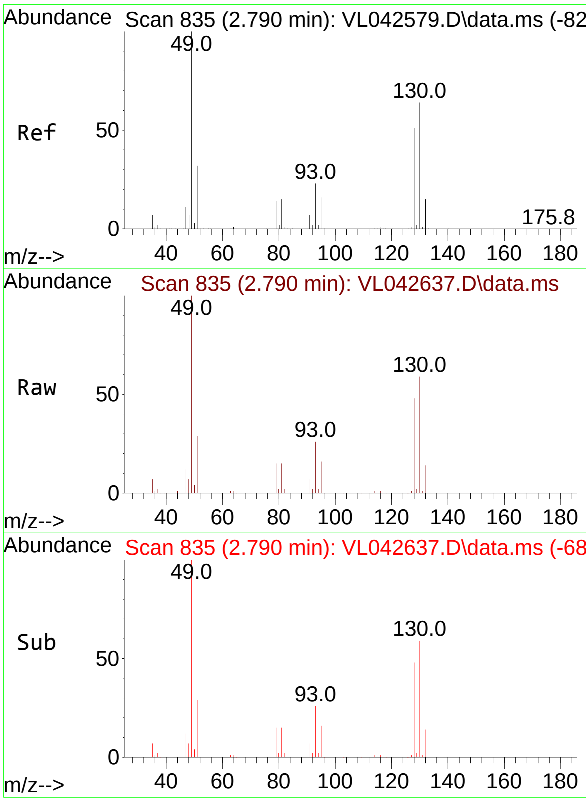
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042637.D
Acq On : 16 Jun 2025 19:46
Operator : SY/MD
Sample : Q2317-03DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:10:08 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 :
115-IA-2DL

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

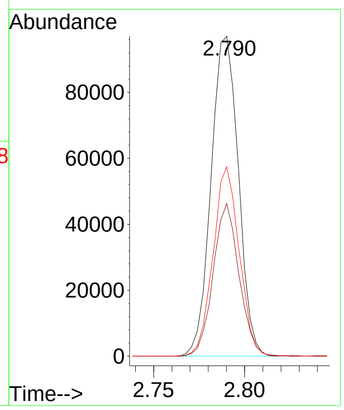
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

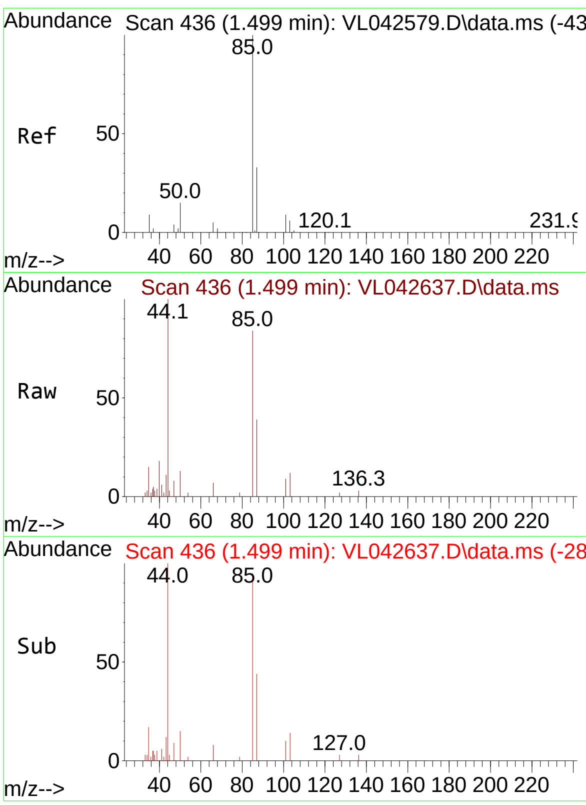
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion: 49 Resp: 10153

Ion	Ratio	Lower	Upper
49	100		
128	45.0	24.2	72.6
130	56.6	30.4	91.2

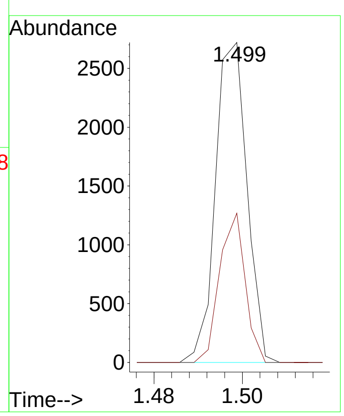


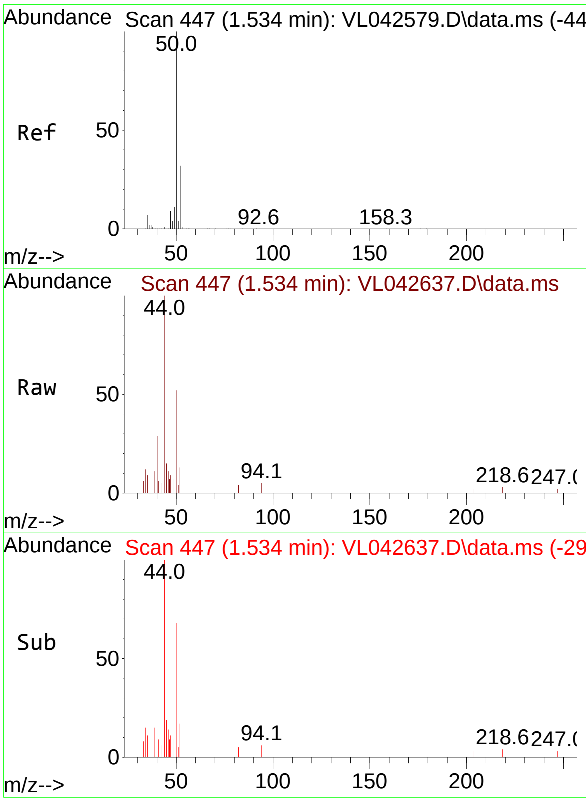


#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 85 Resp: 1351

Ion	Ratio	Lower	Upper
85	100		
87	46.6	26.6	39.8#





#4
Chloromethane
Concen: 0.162 ppbv
RT: 1.534 min Scan# 44
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

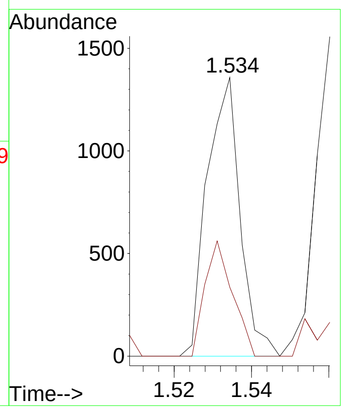
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

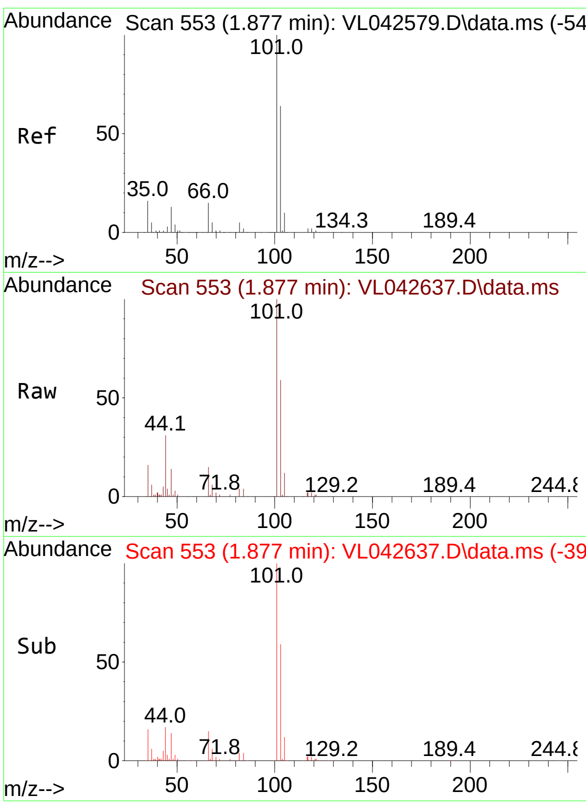
Tgt Ion: 50 Resp: 80

Ion	Ratio	Lower	Upper
50	100		
52	24.7	25.8	38.6

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

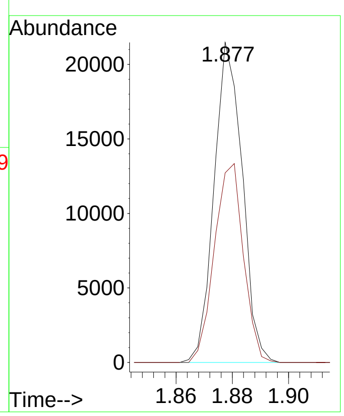


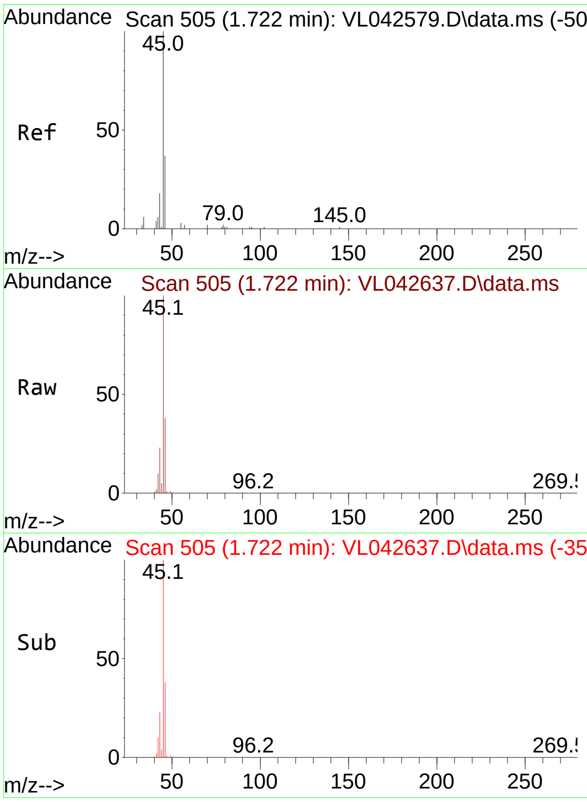


#11
Trichlorofluoromethane
Concen: 1.287 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion:101 Resp: 14944

Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.5	77.3





#13
Ethanol
Concen: 126.755 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

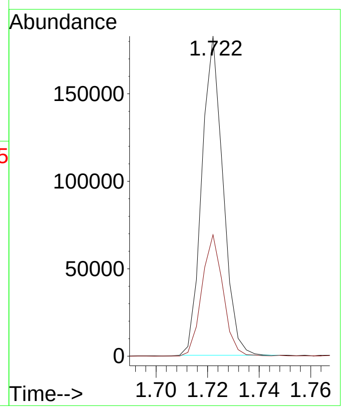
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

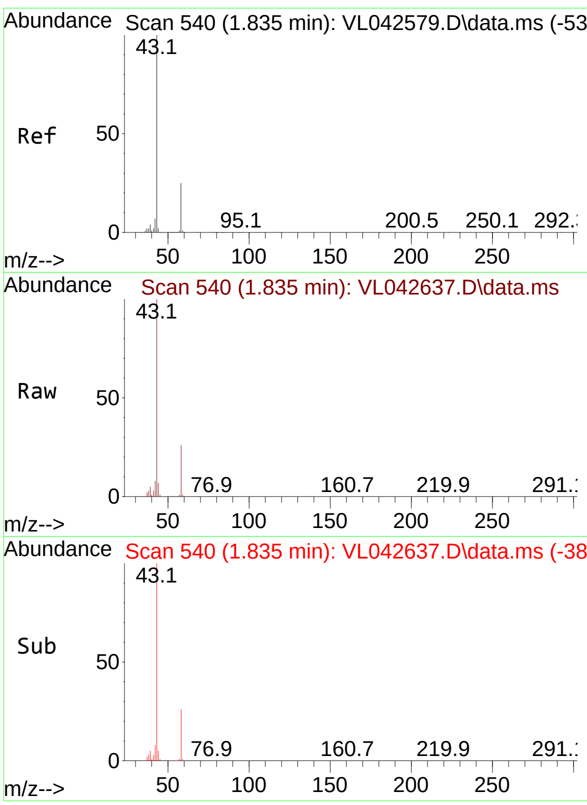
Tgt Ion: 45 Resp: 10455

Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.5	58.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

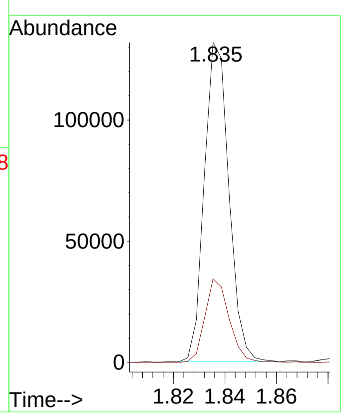


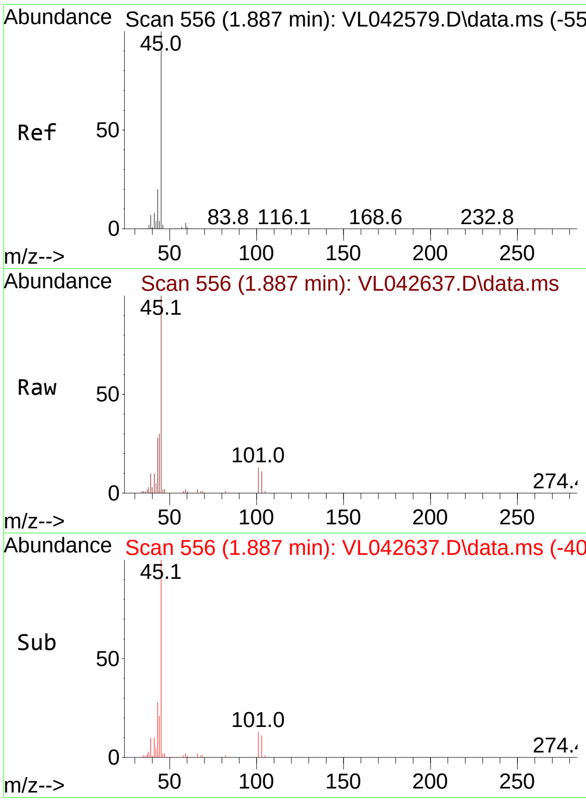


#15
Acetone
Concen: 7.158 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 43 Resp: 87546

Ion	Ratio	Lower	Upper
43	100		
58	25.9	21.0	31.4





#19
Isopropyl Alcohol
Concen: 2.231 ppbv
RT: 1.887 min   Scan# 5!
Delta R.T.   -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

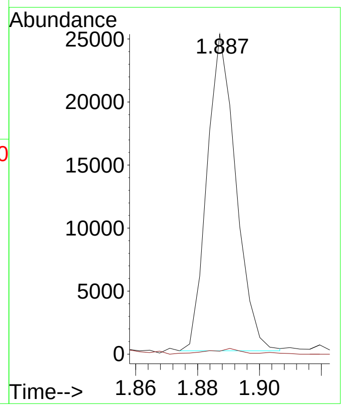
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

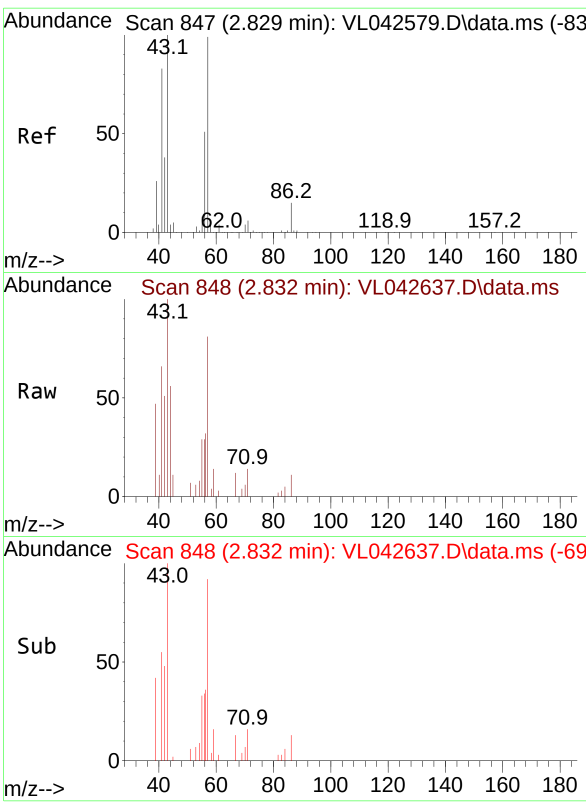
Tgt Ion: 45 Resp: 1630!

Ion	Ratio	Lower	Upper
45	100		
58	138.8	29.4	44.2#

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

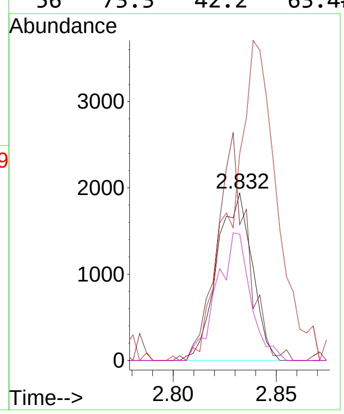


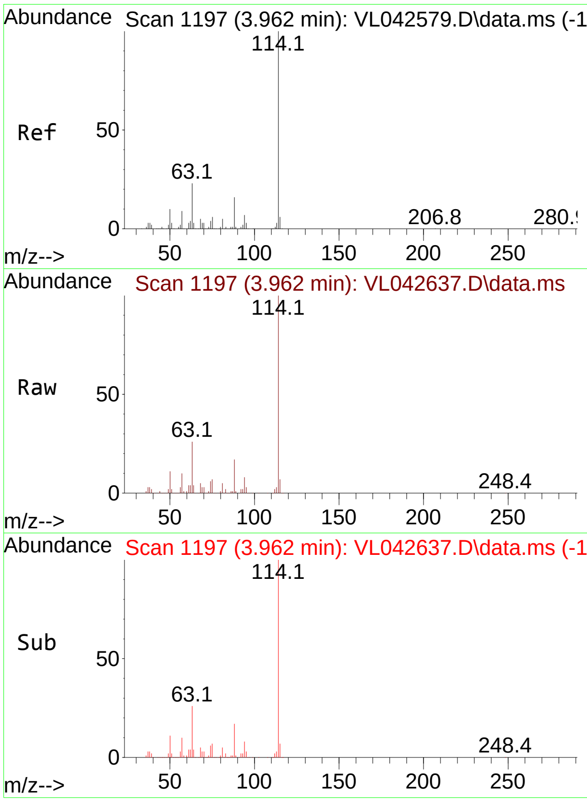


#26
Hexane
Concen: 0.151 ppbv
RT: 2.832 min   Scan# 848
Delta R.T.   0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion: 57 Resp: 2298

Ion	Ratio	Lower	Upper
57	100		
41	118.4	70.6	106.0#
43	249.5	181.1	271.7
56	73.3	42.2	63.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

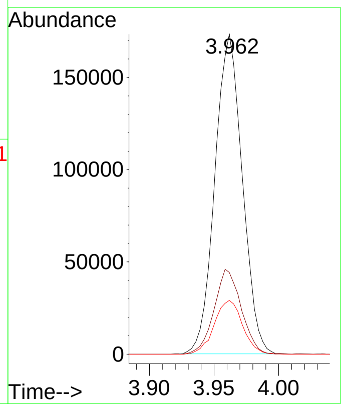
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

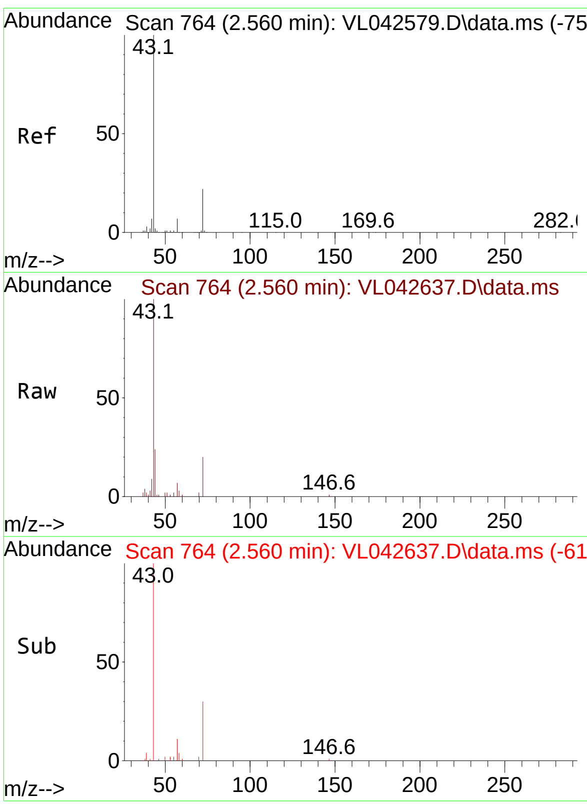
Tgt Ion:114 Resp: 25563

Ion	Ratio	Lower	Upper
114	100		
63	26.3	19.0	28.6
88	17.4	13.6	20.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

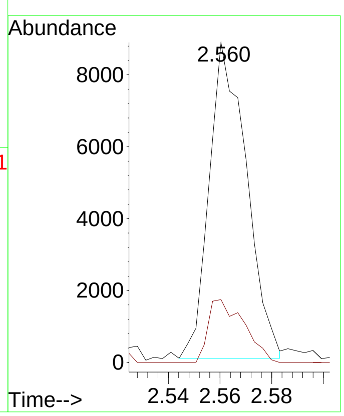


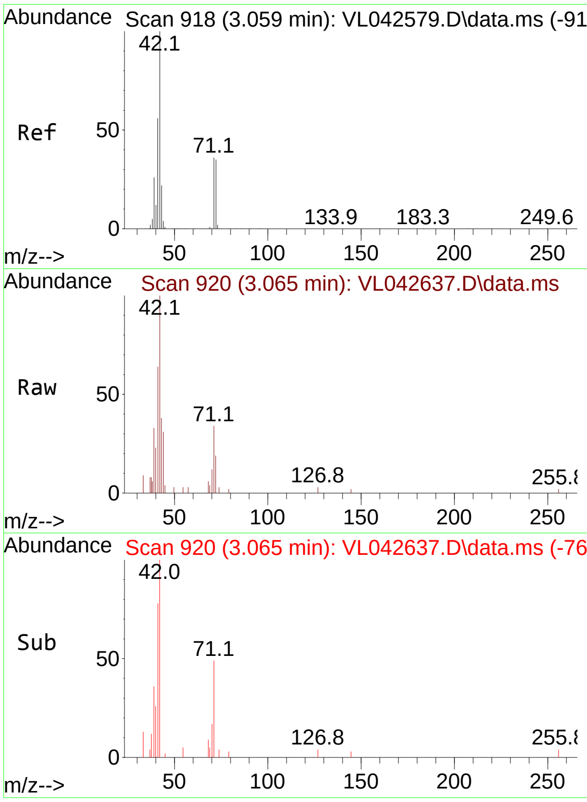


#34
2-Butanone
Concen: 0.483 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 43 Resp: 8807

Ion	Ratio	Lower	Upper
43	100		
72	19.2	17.7	26.5





#41
Tetrahydrofuran
Concen: 0.276 ppbv m
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

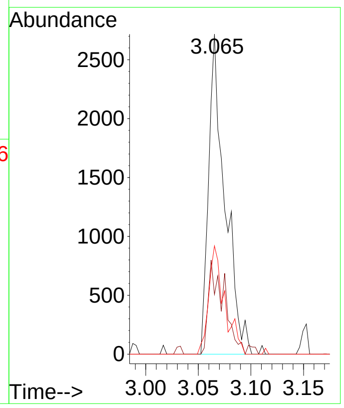
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

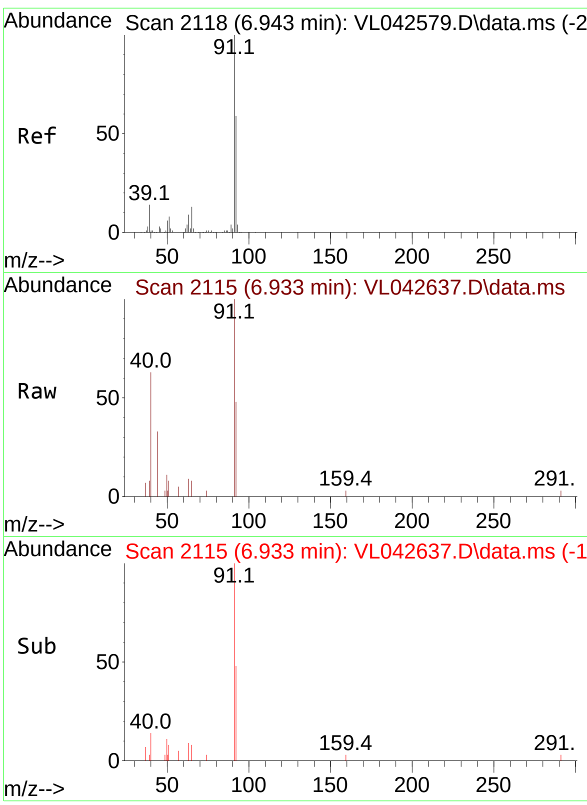
Tgt Ion: 42 Resp: 294

Ion	Ratio	Lower	Upper
42	100		
72	29.7	28.9	43.3
71	32.7	28.5	42.7

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

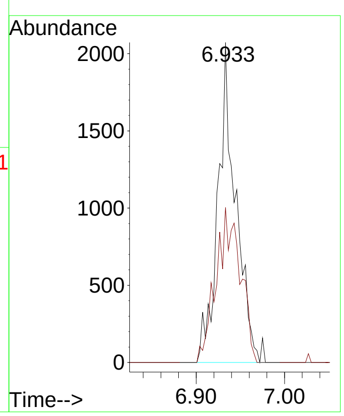


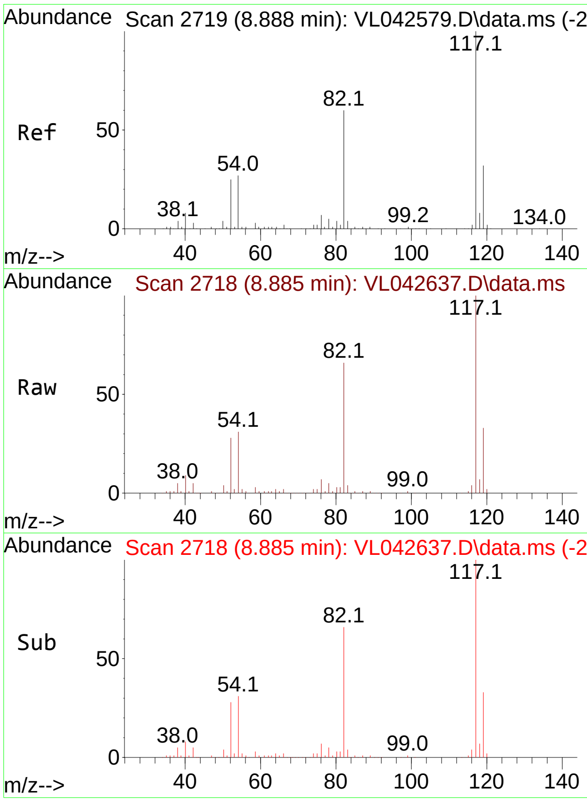


#53
Toluene
Concen: 0.100 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 91 Resp: 2916

Ion	Ratio	Lower	Upper
91	100		
92	65.5	48.2	72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

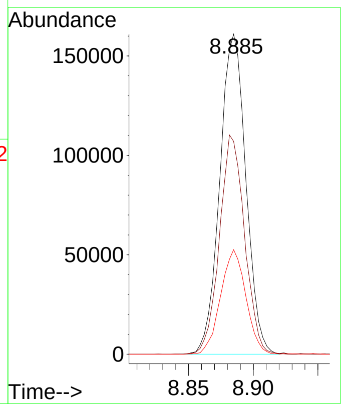
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

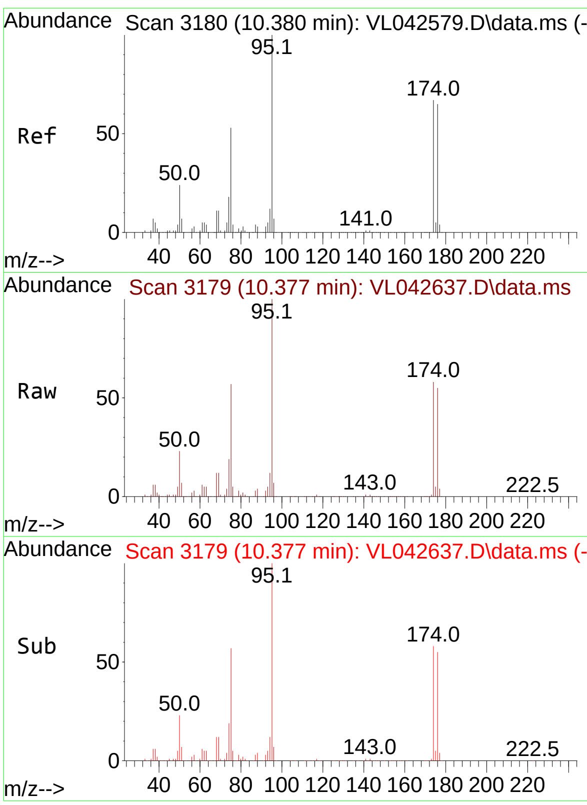
Tgt Ion:117 Resp: 22599

Ion	Ratio	Lower	Upper
117	100		
82	65.8	51.2	76.8
119	31.8	26.3	39.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

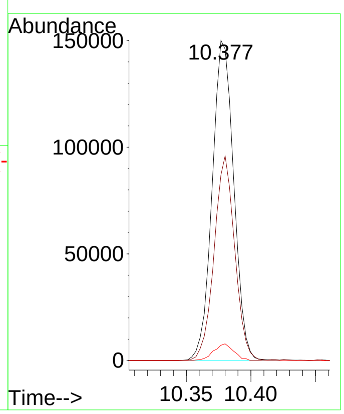


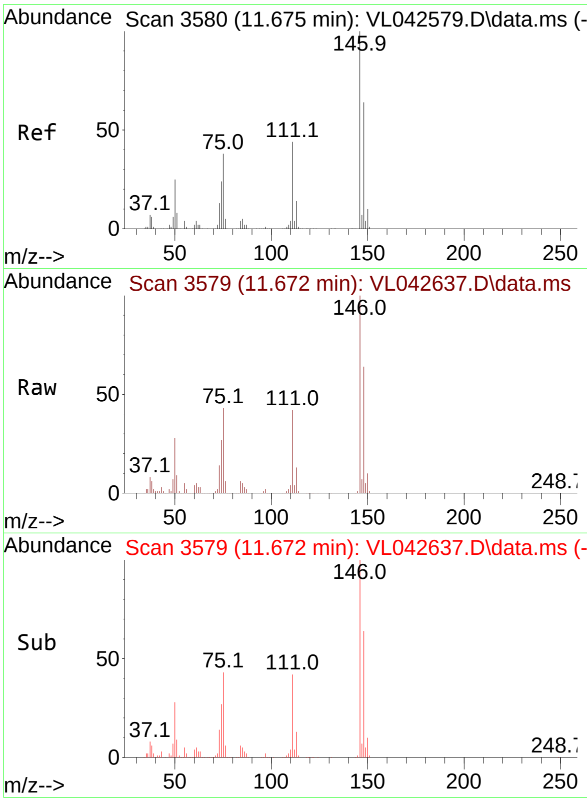


#68
1-Bromo-4-Fluorobenzene
Concen: 10.276 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 95 Resp: 174084

Ion	Ratio	Lower	Upper
95	100		
174	61.3	53.1	79.7
175	4.9	4.2	6.2





#76
1,4-Dichlorobenzene
Concen: 4.309 ppbv
RT: 11.672 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

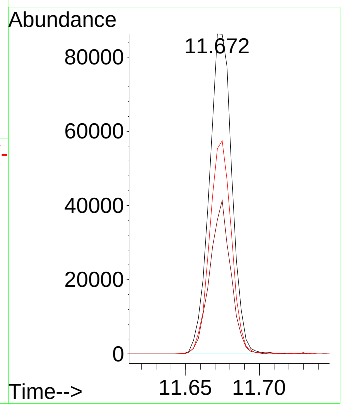
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion:146 Resp: 92971

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	64.8
148	64.0	32.1	96.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-SG1	SDG No.:	Q2317
Lab Sample ID:	Q2317-04	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
VL042630.D	4		06/16/25 15:46	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	U	4.15	9.89	ug/m3
74-87-3	Chloromethane	6.50	13.4		0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	U	2.17	7.77	ug/m3
75-00-3	Chloroethane	2.30	6.07		1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	2.10	6.19		1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	42.3	238		3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	U	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	U	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30	U	2.30	6.06	ug/m3
142-82-5	Heptane	0.78	3.20	J	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
67-64-1	Acetone	21.9	52.0		2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	2.30	7.16		1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	U	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	8.10	28.1		2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	U	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	U	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	U	3.03	6.88	ug/m3
78-93-3	2-Butanone	4.20	12.4		1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	U	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
67-66-3	Chloroform	0.77	3.76	J	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	U	1.87	9.34	ug/m3
71-43-2	Benzene	8.90	28.4		1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	U	1.46	8.09	ug/m3
79-01-6	Trichloroethene	4.90	26.3		0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	U	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	U	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	1.30	5.33	J	1.52	8.20	ug/m3
108-88-3	Toluene	11.5	43.3		1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	U	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	U	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	U	1.53	10.9	ug/m3

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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-SG1	SDG No.:	Q2317
Lab Sample ID:	Q2317-04	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
VL042630.D	4		06/16/25 15:46	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	U	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	U	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	0.36	2.44		0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	U	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.48	2.08	U	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	0.84	3.65	U	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.48	2.08	U	2.08	8.69	ug/m3
100-42-5	Styrene	0.49	2.09	J	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	U	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	U	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	U	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.31	1.52	U	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	U	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.56	3.37	J	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	U	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	U	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	U	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	U	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	U	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	U	2.36	9.83	ug/m3
110-54-3	Hexane	2.80	9.87		1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	U	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	U	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	25.5	104		1.39	8.19	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	111000		2.787			
540-36-3	1,4-Difluorobenzene	292000		3.958			
3114-55-4	Chlorobenzene-d5	267000		8.885			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-SG1	SDG No.:	Q2317
Lab Sample ID:	Q2317-04	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
VL042630.D	4		06/16/25 15:46	VL061625

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042630.D
Acq On : 16 Jun 2025 15:46
Operator : SY/MD
Sample : Q2317-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Quant Time: Jun 17 03:06:57 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

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	111111	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	291956	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	266931	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	197287	9.860	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2128	0.156	ppbv	98
4) Chloromethane	1.531	50	8847	1.636	ppbv	98
7) Chloroethane	1.706	64	1235	0.577	ppbv	100
9) Propene	1.482	41	5787	0.764	ppbv	94
10) Heptane	4.984	43	4136m	0.194	ppbv	
11) Trichlorofluoromethane	1.877	101	134347	10.574	ppbv	100
13) Ethanol	1.722	45	153596	170.164	ppbv	98
15) Acetone	1.835	43	73330	5.479	ppbv	98
19) Isopropyl Alcohol	1.887	45	18985	2.373	ppbv #	1
20) Methylene Chloride	2.062	84	8992	2.036	ppbv	89
26) Hexane	2.829	57	11551	0.694	ppbv #	45
27) Carbon Disulfide	2.149	76	7484	0.586	ppbv #	1
29) Chloroform	2.848	83	4149	0.192	ppbv	91
34) 2-Butanone	2.560	43	21779	1.046	ppbv	100
36) Benzene	3.657	78	63818	2.220	ppbv	96
38) Trichloroethene	4.548	130	15028	1.230	ppbv	94
41) Tetrahydrofuran	3.065	42	6513	0.534	ppbv	99
43) Methyl Methacrylate	4.881	69	71010	6.364	ppbv	99
50) 4-Methyl-2-Pentanone	5.777	43	9577m	0.332	ppbv	
52) Tetrachloroethene	8.224	164	983m	0.091	ppbv	
53) Toluene	6.936	91	95713	2.880	ppbv	100
59) m/p-Xylene	9.535	91	6496	0.182	ppbv	97
61) Styrene	9.875	104	2053	0.122	ppbv	94
76) 1,4-Dichlorobenzene	11.671	146	3546	0.139	ppbv	90

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

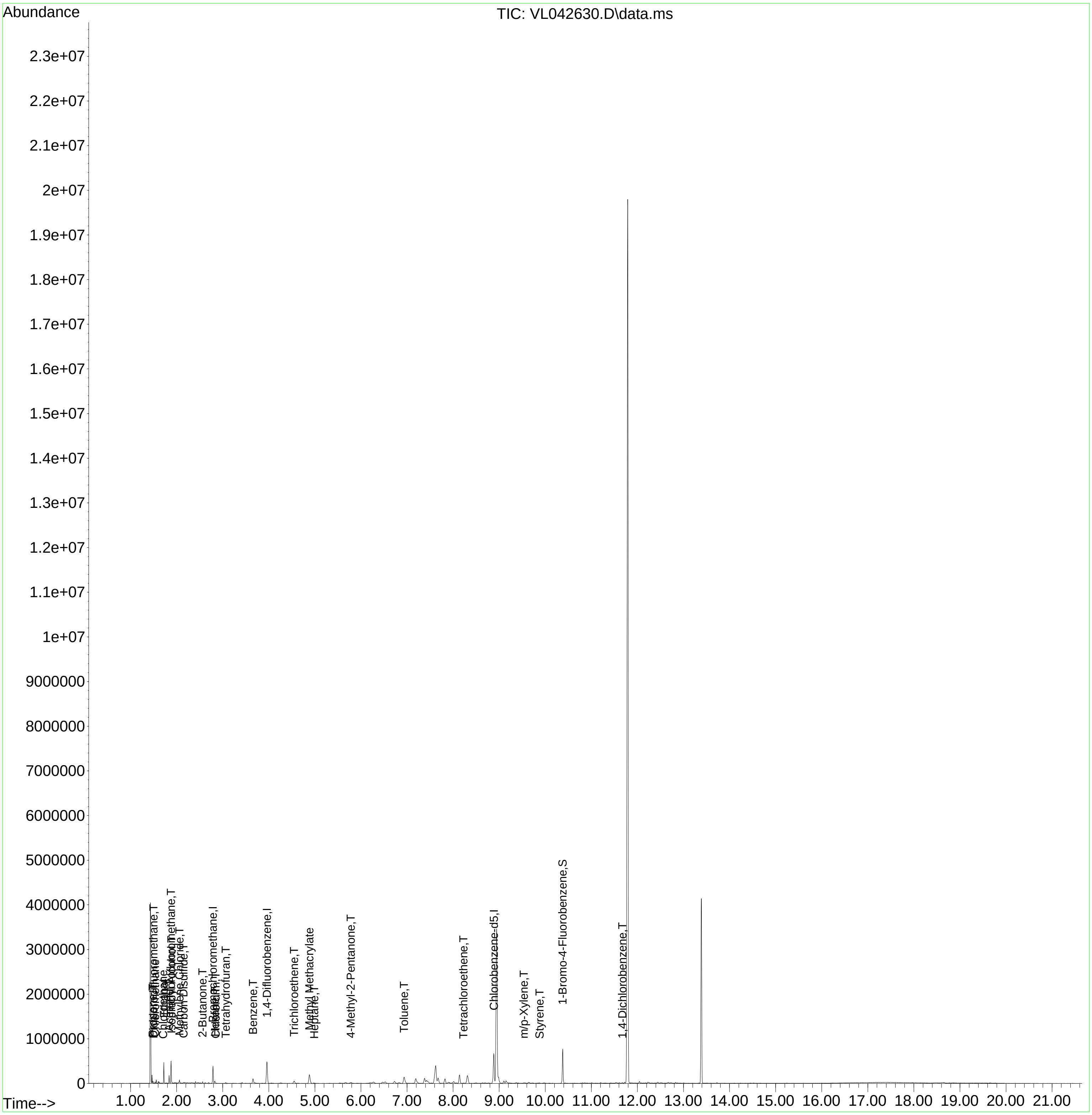
Quantitation Report (QT Reviewed)

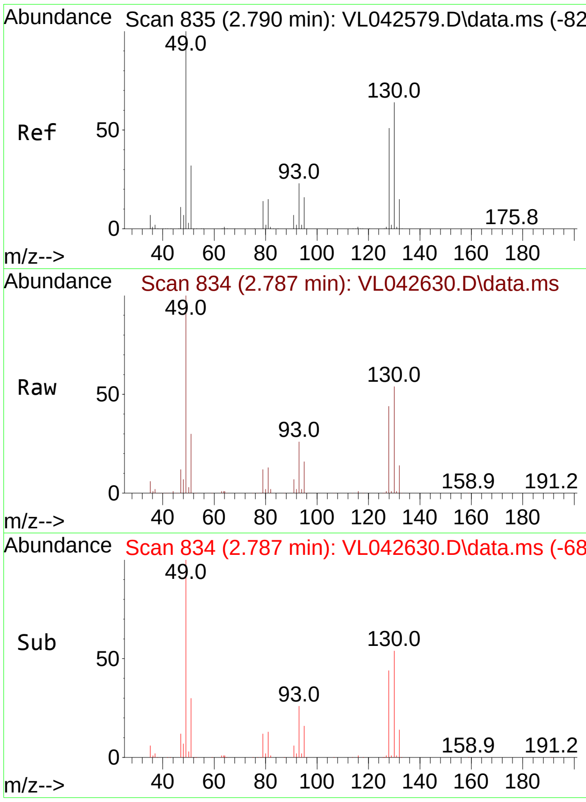
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042630.D
Acq On : 16 Jun 2025 15:46
Operator : SY/MD
Sample : Q2317-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:06:57 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 :
115-SG1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 49 Resp: 11111

Ion	Ratio	Lower	Upper
49	100		
128	44.4	24.2	72.6
130	55.6	30.4	91.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
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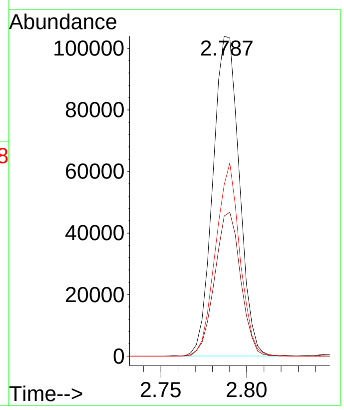
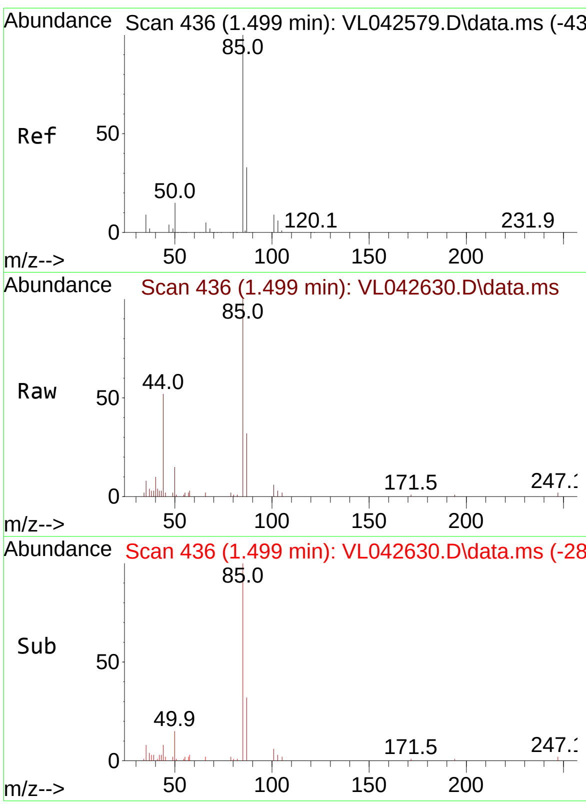
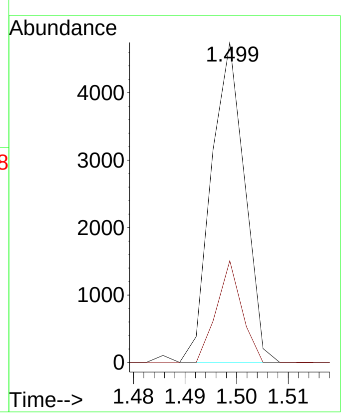


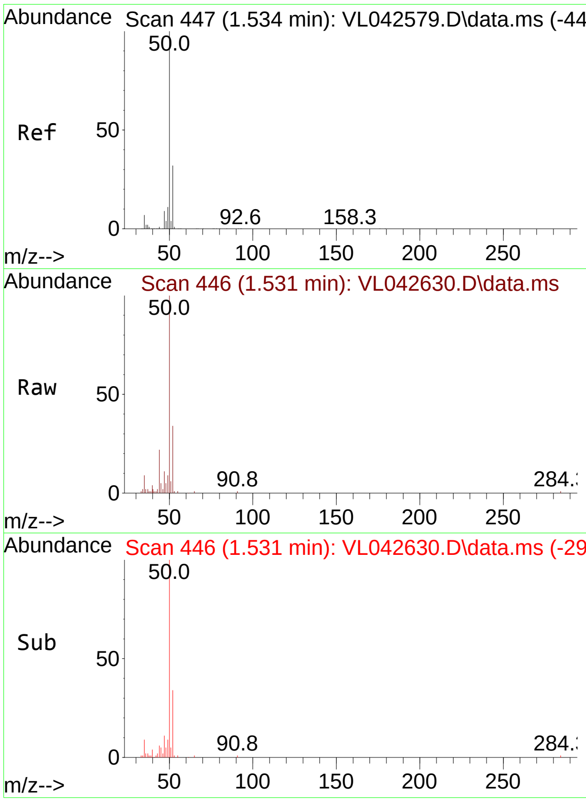


#2
Dichlorodifluoromethane
Concen: 0.156 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 85 Resp: 2128

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.6	39.8





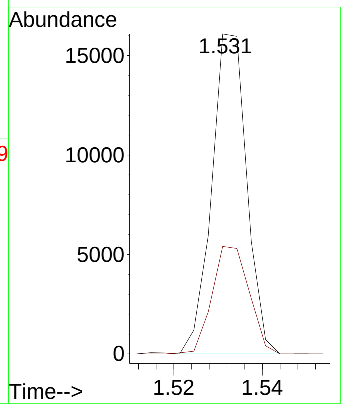
#4
Chloromethane
Concen: 1.636 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

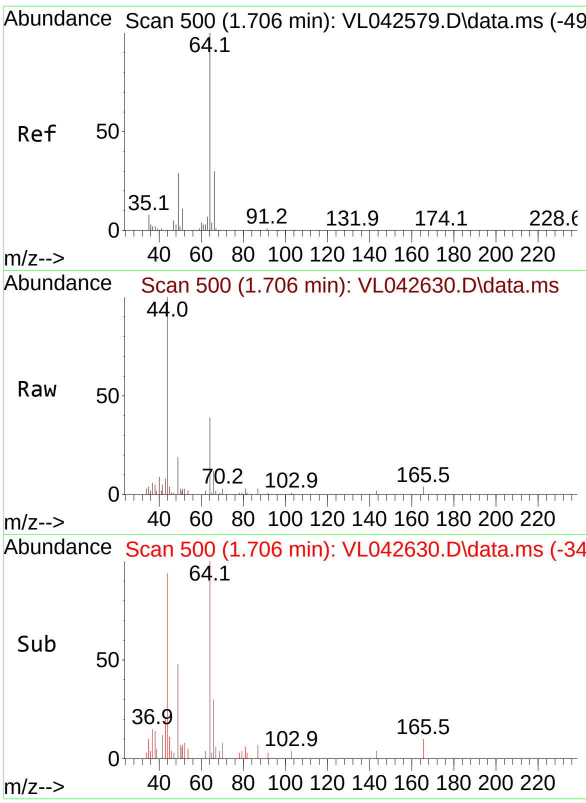
Tgt Ion: 50 Resp: 884

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.8	38.6

Instrument : MSVOA_L
ClientSampleId : 115-SG1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

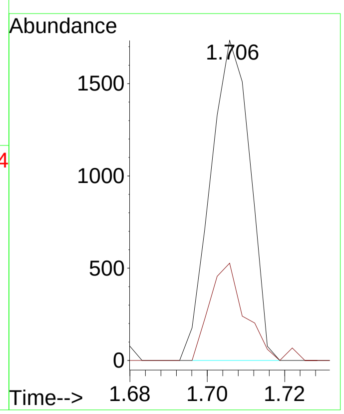


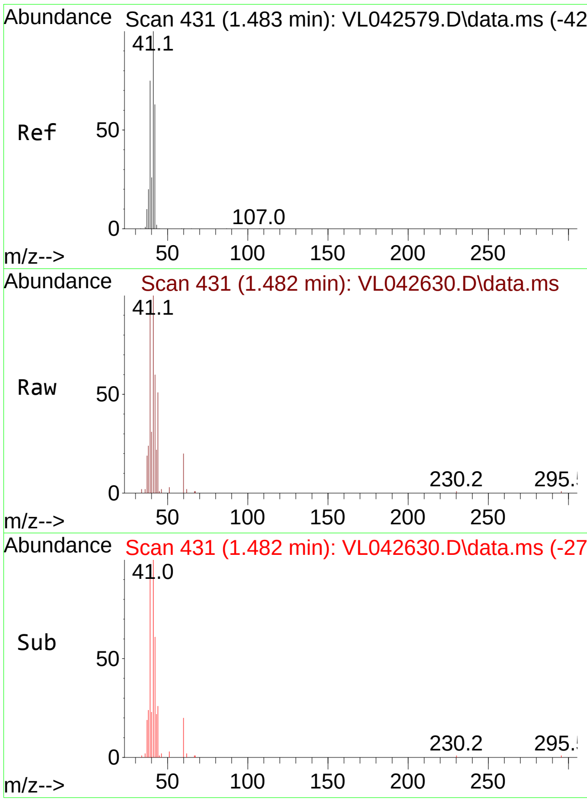


#7
Chloroethane
Concen: 0.577 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 64 Resp: 1235

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5





#9
Propene
Concen: 0.764 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

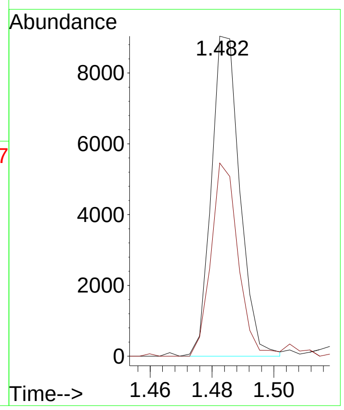
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

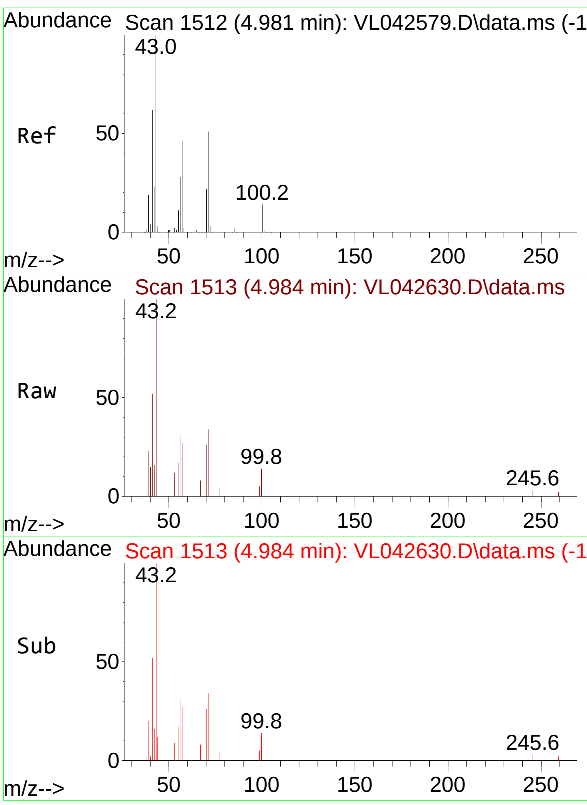
Tgt Ion: 41 Resp: 578

Ion	Ratio	Lower	Upper
41	100		
42	61.9	53.3	79.9

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

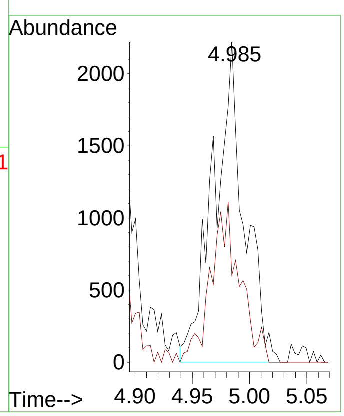


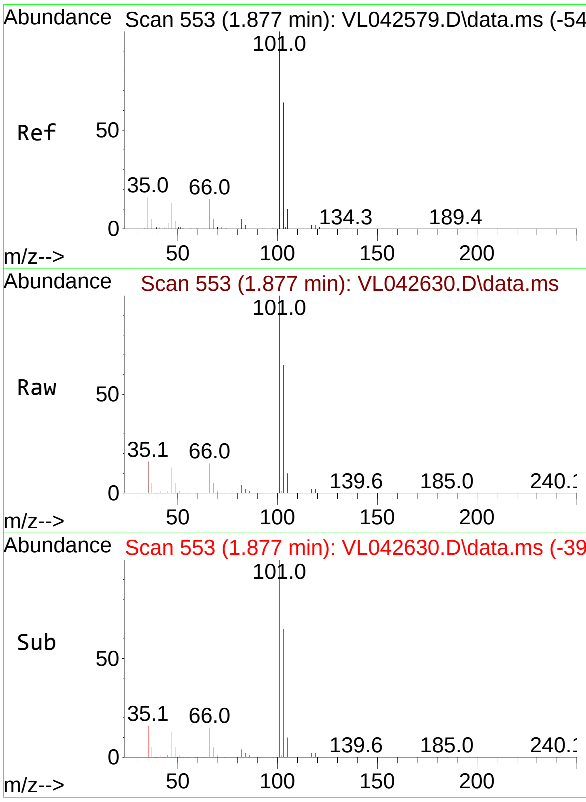


#10
Heptane
Concen: 0.194 ppbv m
RT: 4.984 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 43 Resp: 4136

Ion	Ratio	Lower	Upper
43	100		
57	47.5	38.9	58.3





#11
Trichlorofluoromethane
Concen: 10.574 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

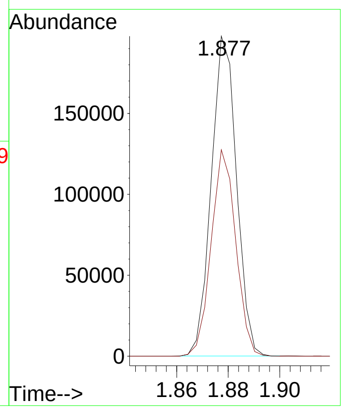
Tgt Ion:101 Resp: 13434

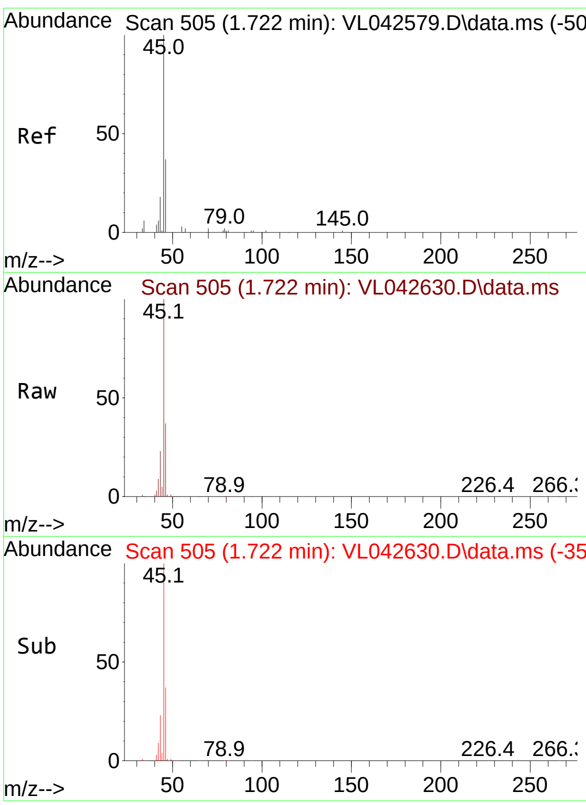
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.5	77.3

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

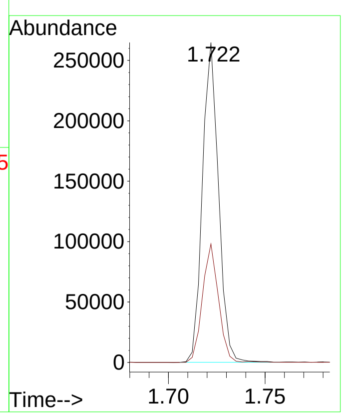


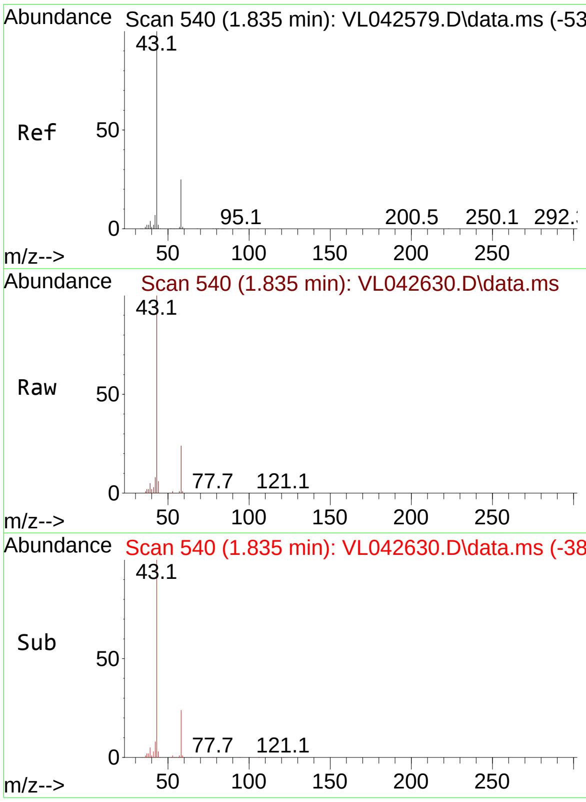


#13
Ethanol
Concen: 170.164 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 45 Resp: 153596

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.5	58.1





#15
Acetone
Concen: 5.479 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

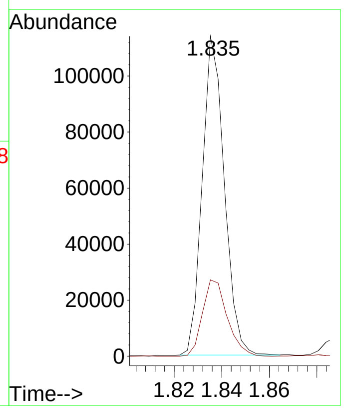
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

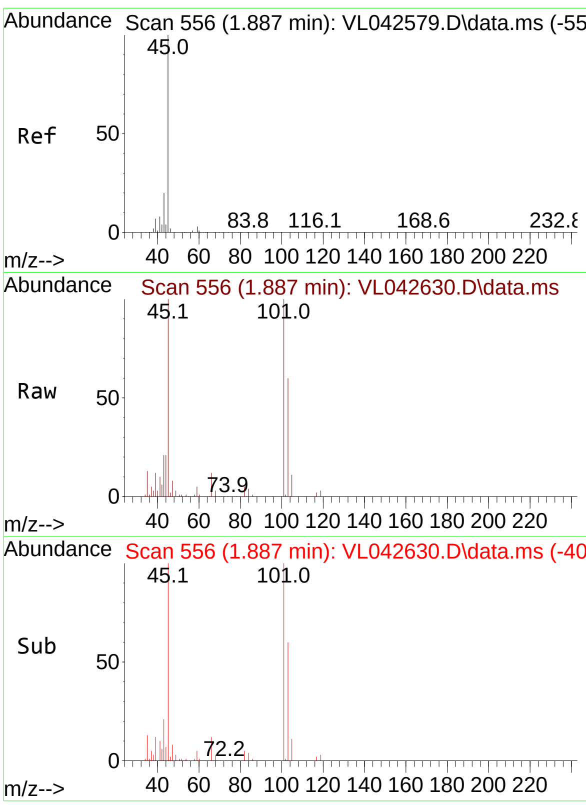
Tgt Ion: 43 Resp: 7333

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.0	31.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

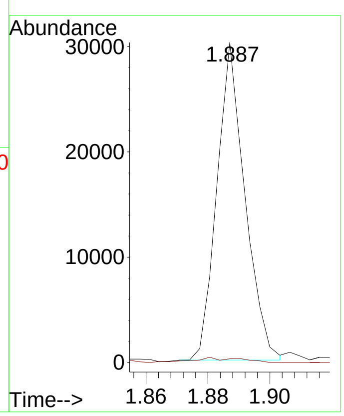


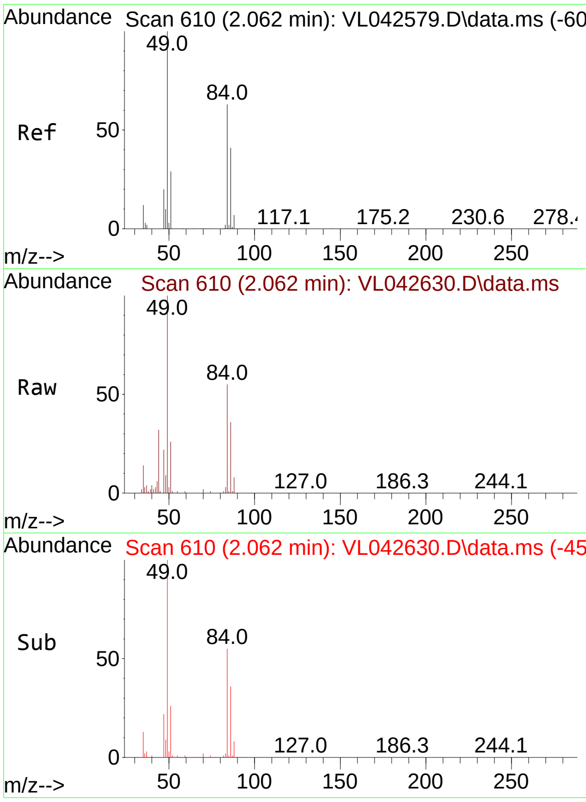


#19
Isopropyl Alcohol
Concen: 2.373 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 45 Resp: 18985

Ion	Ratio	Lower	Upper
45	100		
58	104.2	29.4	44.2#





#20
Methylene Chloride
Concen: 2.036 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

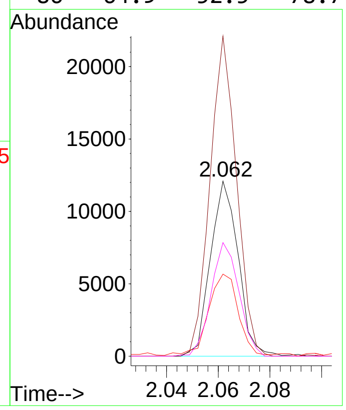
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

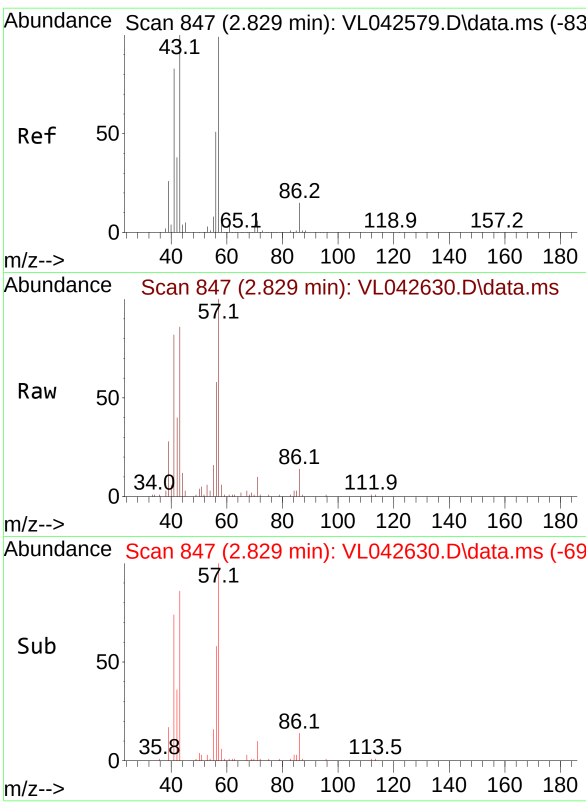
Tgt Ion: 84 Resp: 899

Ion	Ratio	Lower	Upper
84	100		
49	182.9	128.8	193.2
51	45.6	38.6	57.8
86	64.9	52.5	78.7

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

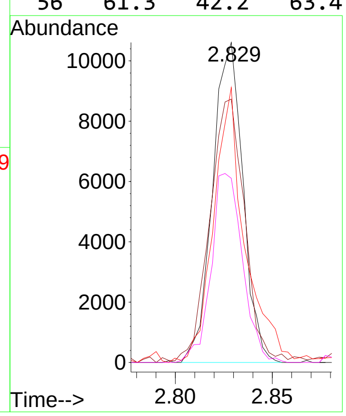


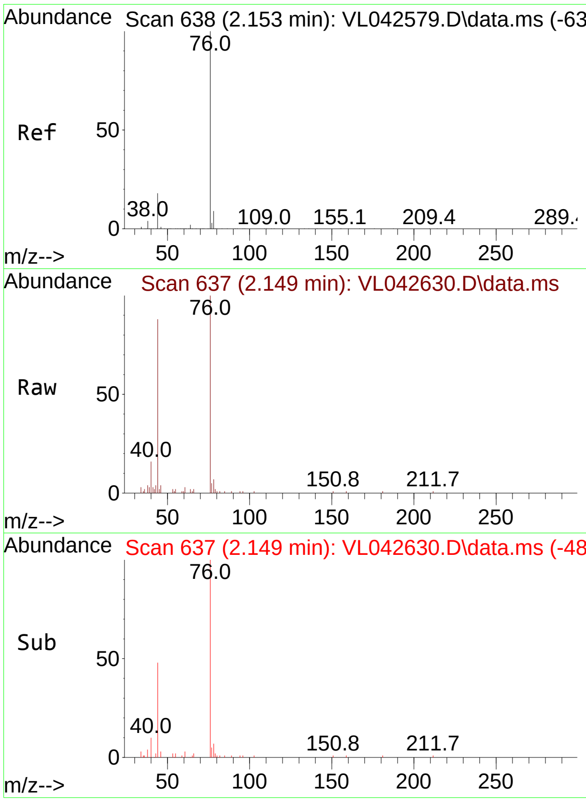


#26
Hexane
Concen: 0.694 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 57 Resp: 11551

Ion	Ratio	Lower	Upper
57	100		
41	91.2	70.6	106.0
43	87.1	181.1	271.7#
56	61.3	42.2	63.4





#27
Carbon Disulfide
Concen: 0.586 ppbv
RT: 2.149 min   Scan# 6
Delta R.T.   -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

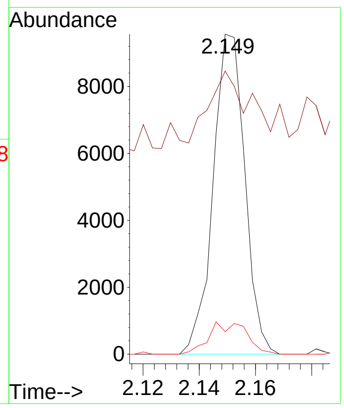
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

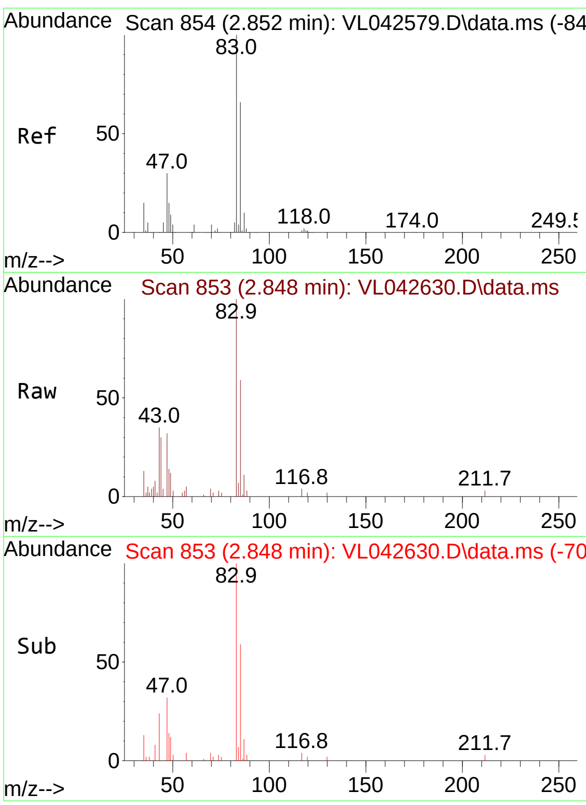
Tgt Ion: 76 Resp: 748

Ion	Ratio	Lower	Upper
76	100		
44	189.6	21.3	31.9#
78	12.1	9.4	14.0

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

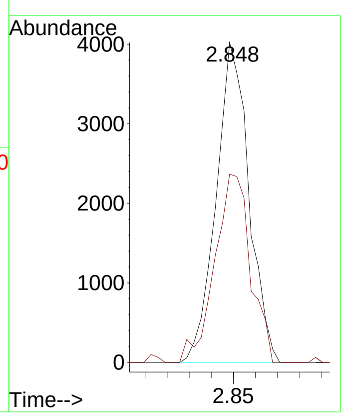


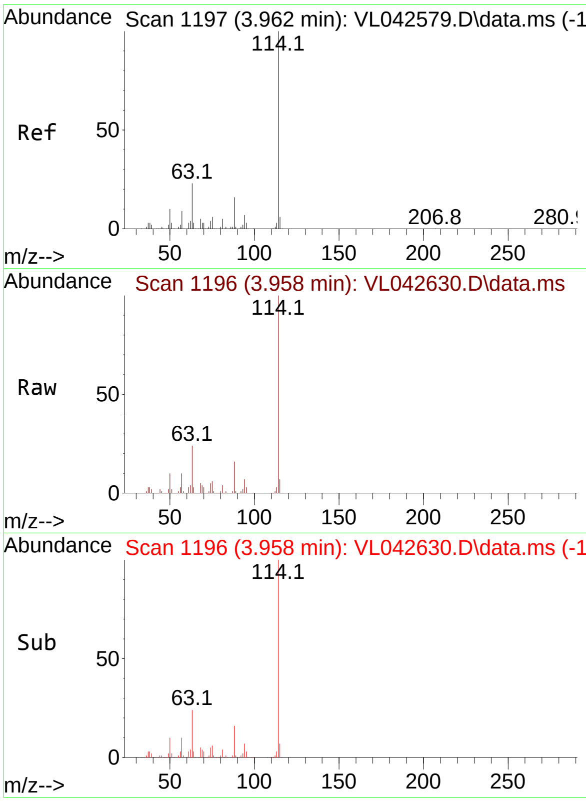


#29
Chloroform
Concen: 0.192 ppbv
RT: 2.848 min   Scan# 853
Delta R.T.   -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 83 Resp: 4149

Ion	Ratio	Lower	Upper
83	100		
85	58.8	52.8	79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

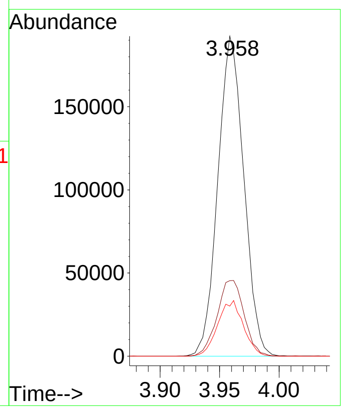
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

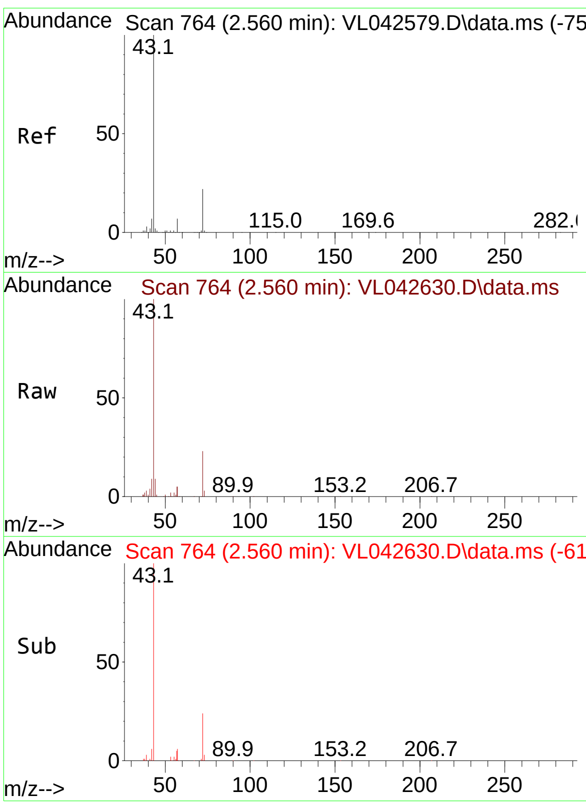
Tgt Ion:114 Resp: 29195

Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.0	28.6
88	17.2	13.6	20.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

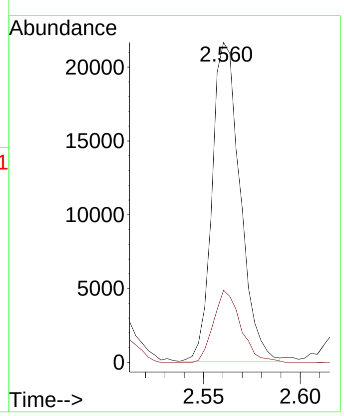


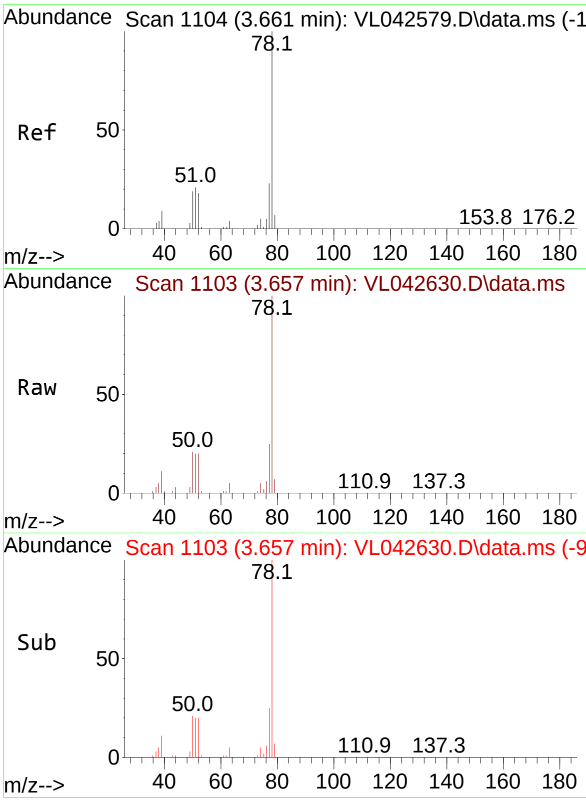


#34
2-Butanone
Concen: 1.046 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 43 Resp: 21779

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.7	26.5





#36
Benzene
Concen: 2.220 ppbv
RT: 3.657 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025   15:46

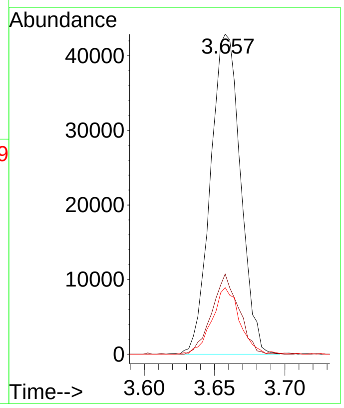
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

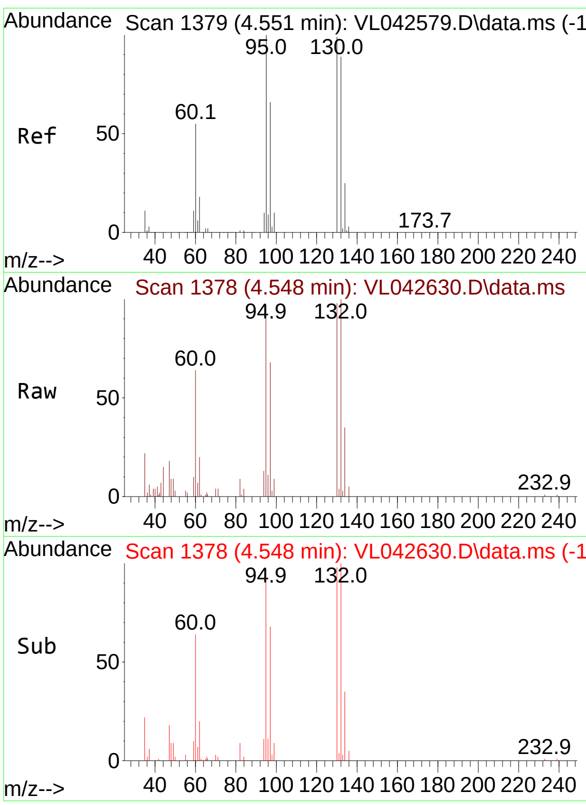
Tgt Ion: 78 Resp: 6381

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.2	27.2
50	20.7	15.2	22.8

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

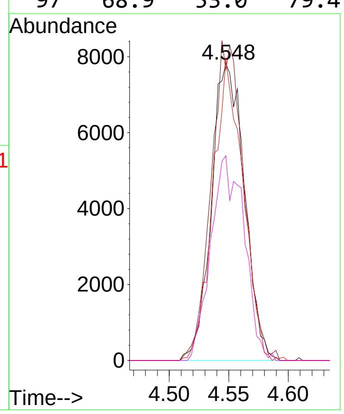


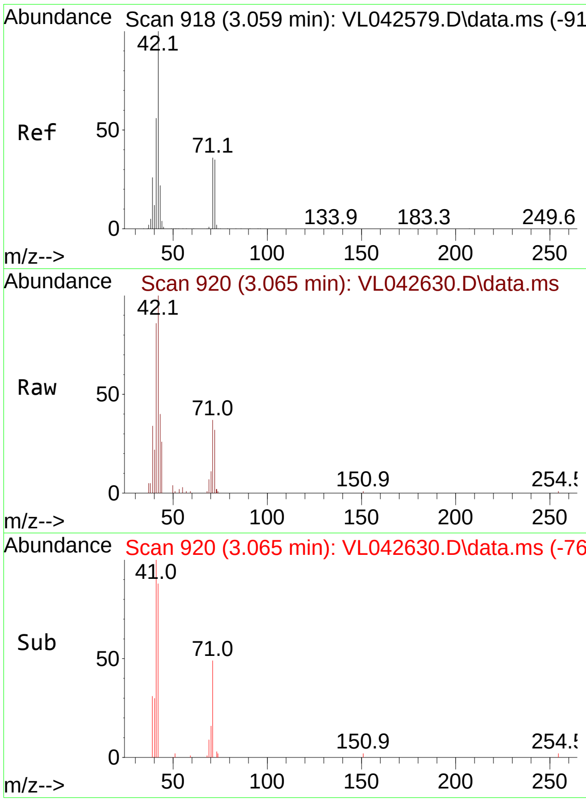


#38
Trichloroethene
Concen: 1.230 ppbv
RT: 4.548 min   Scan# 1378
Delta R.T.   -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025   15:46

Tgt Ion:130 Resp: 15028

Ion	Ratio	Lower	Upper
130	100		
95	98.1	80.6	121.0
132	101.5	71.8	107.6
97	68.9	53.0	79.4





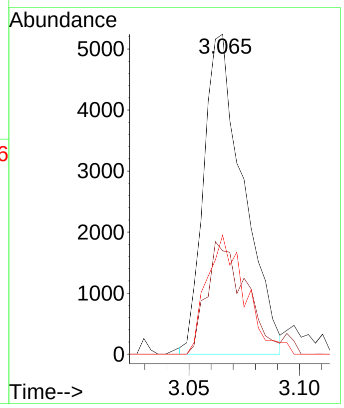
#41
Tetrahydrofuran
Concen: 0.534 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

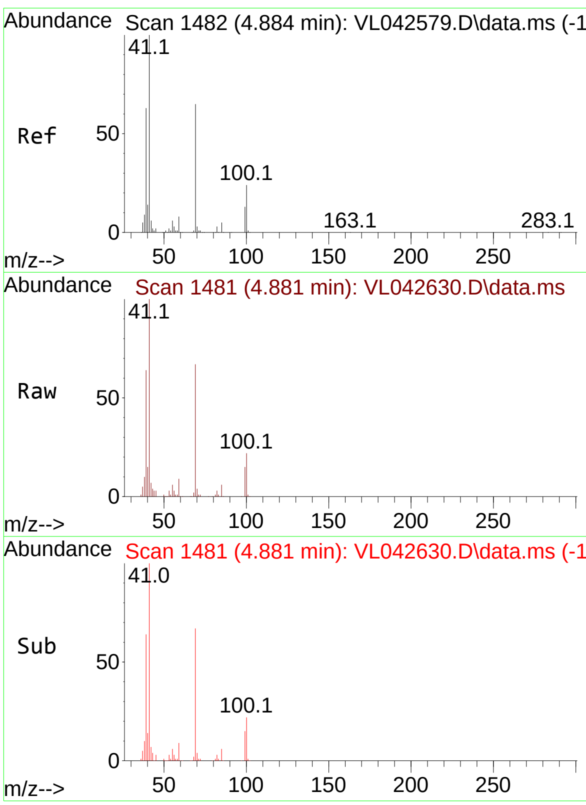
Tgt Ion: 42 Resp: 651

Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.9	43.3
71	36.4	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

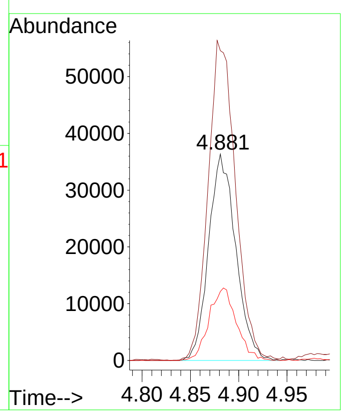




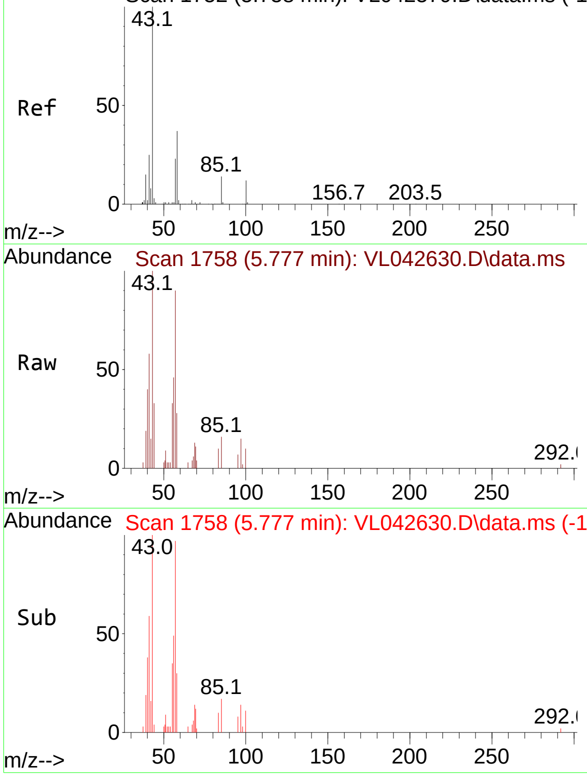
#43
Methyl Methacrylate
Concen: 6.364 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 69 Resp: 71010

Ion	Ratio	Lower	Upper
69	100		
41	156.9	124.6	187.0
100	35.6	29.9	44.9



Abundance Scan 1752 (5.758 min): VL042579.D\data.ms (-1

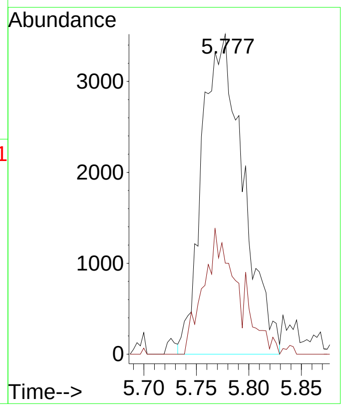


#50
4-Methyl-2-Pentanone
Concen: 0.332 ppbv m
RT: 5.777 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

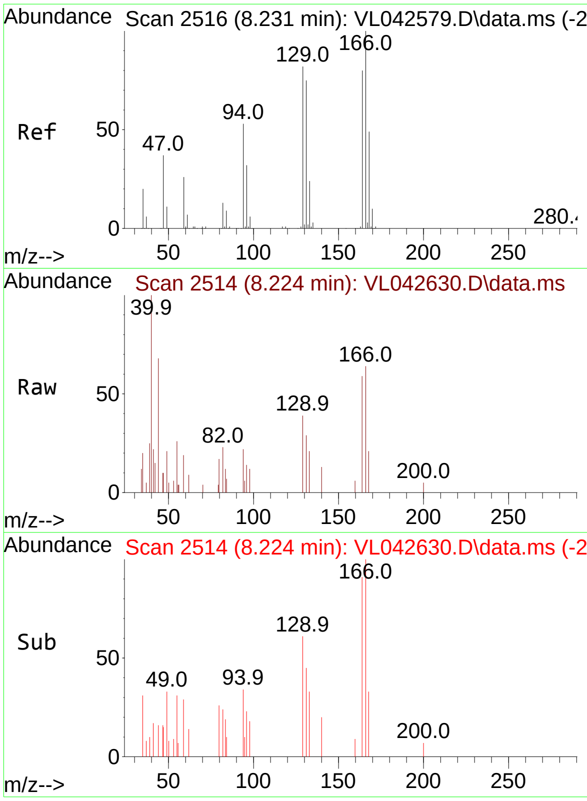
Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

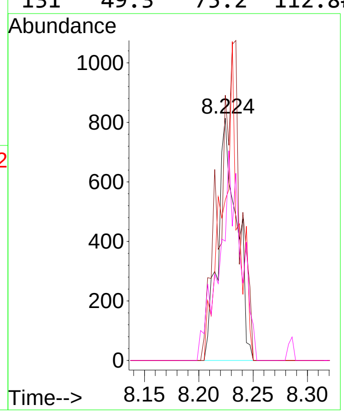


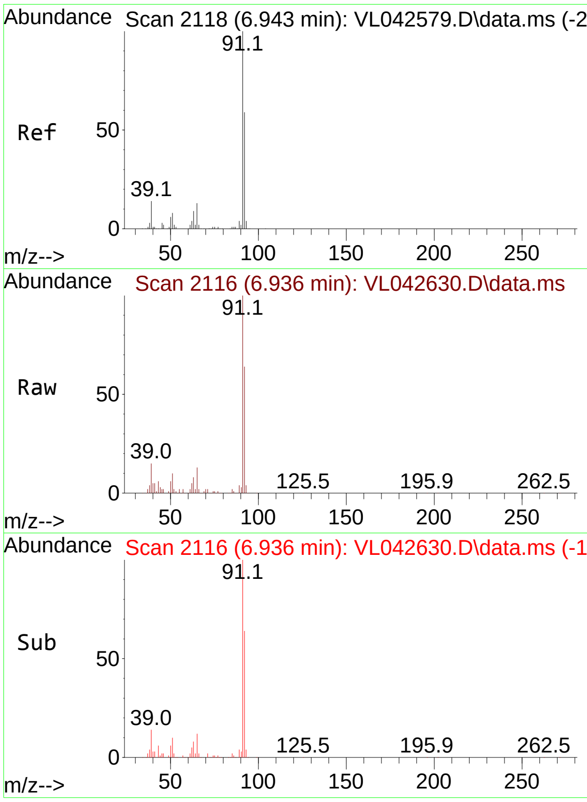
Abundance Scan 2516 (8.231 min): VL042579.D\data.ms (-2



#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 8.224 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:164 Resp: 983
Ion Ratio Lower Upper
164 100
166 109.5 100.0 150.0
129 66.3 82.2 123.4#
131 49.3 75.2 112.8#





#53
Toluene
Concen: 2.880 ppbv
RT: 6.936 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

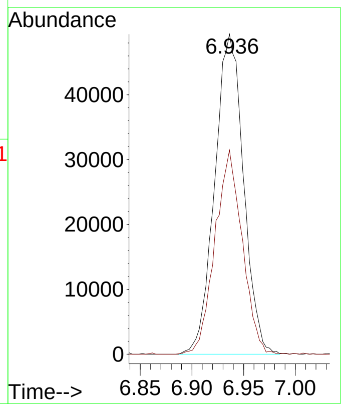
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

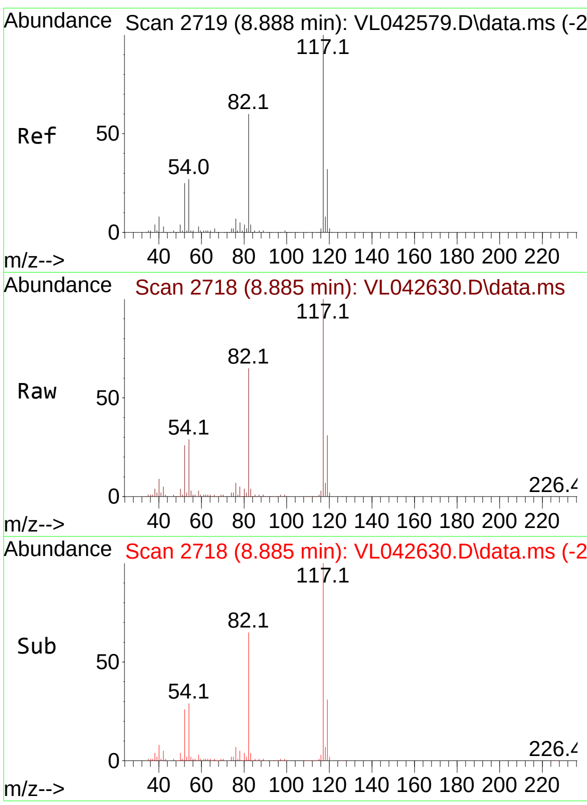
Tgt Ion: 91 Resp: 9571

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.2	72.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

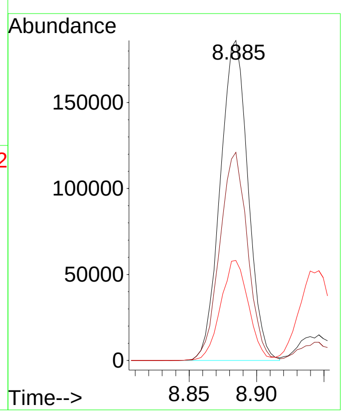


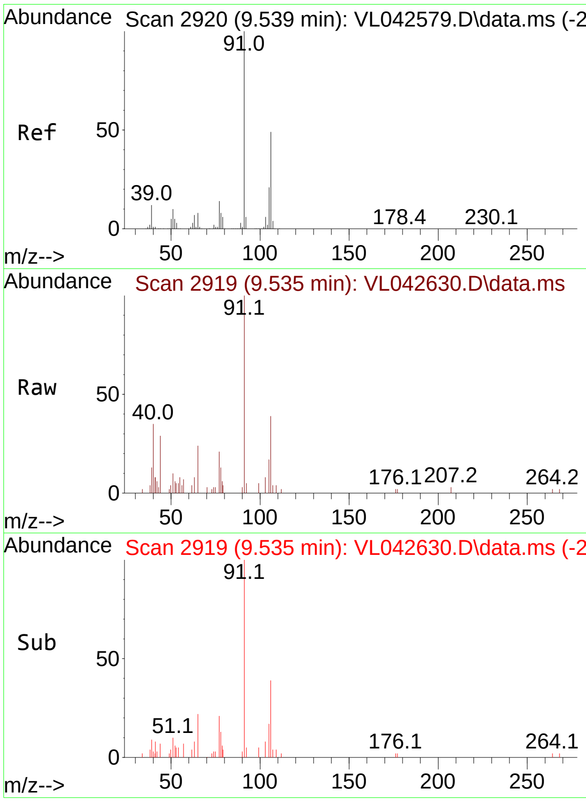


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:117 Resp: 266931

Ion	Ratio	Lower	Upper
117	100		
82	65.1	51.2	76.8
119	31.4	26.3	39.5





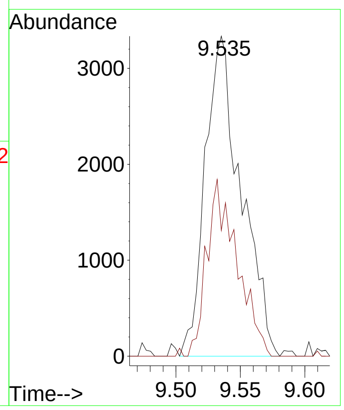
#59
m/p-Xylene
Concen: 0.182 ppbv
RT: 9.535 min Scan# 2!
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

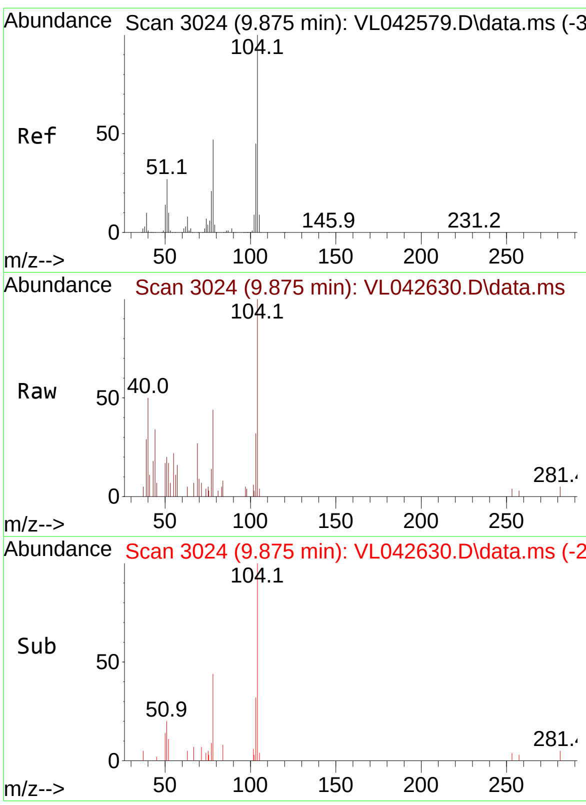
Tgt Ion: 91 Resp: 649(

Ion	Ratio	Lower	Upper
91	100		
106	46.6	38.8	58.2

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

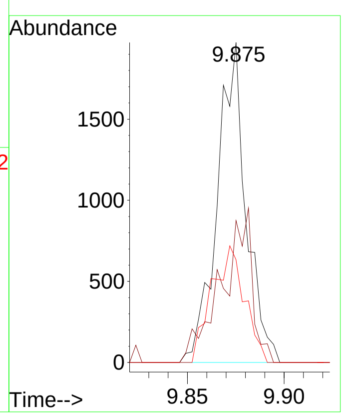


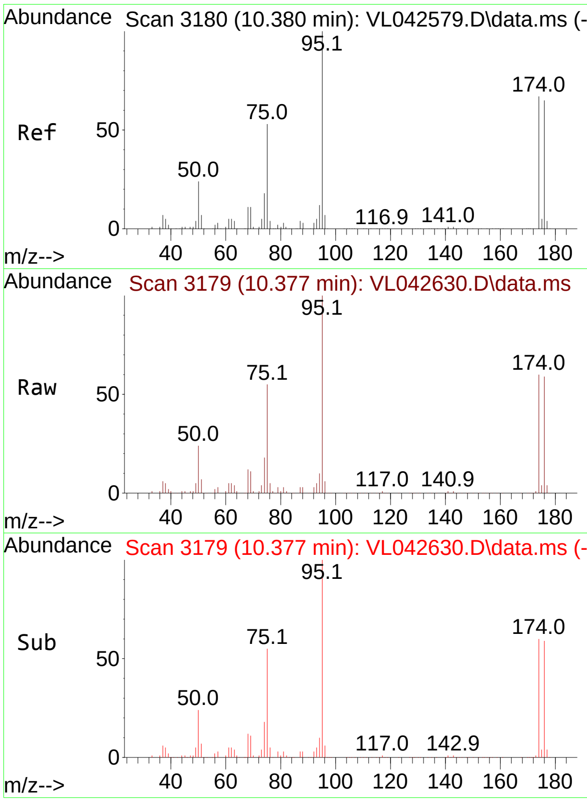


#61
Styrene
Concen: 0.122 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:104 Resp: 2053

Ion	Ratio	Lower	Upper
104	100		
78	50.7	38.2	57.4
103	41.4	36.7	55.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.860 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

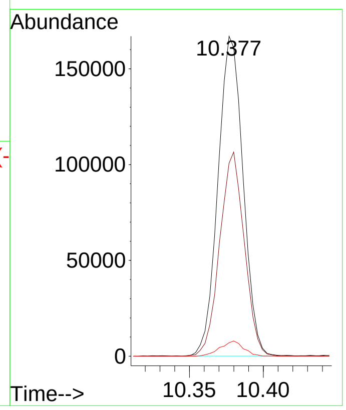
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

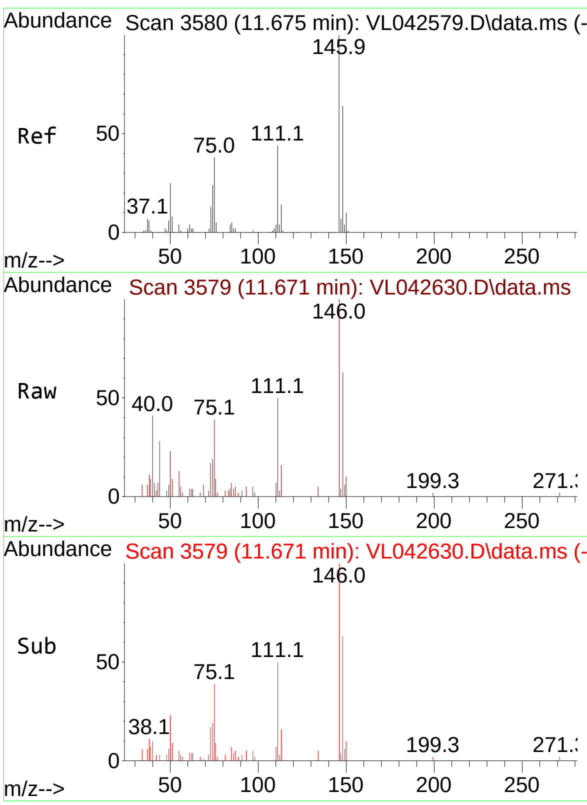
Tgt Ion: 95 Resp: 19728

Ion	Ratio	Lower	Upper
95	100		
174	62.9	53.1	79.7
175	4.4	4.2	6.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

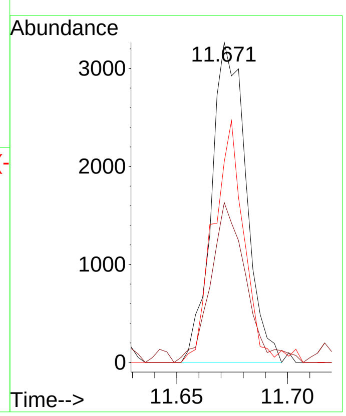




#76
1,4-Dichlorobenzene
Concen: 0.139 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:146 Resp: 3546

Ion	Ratio	Lower	Upper
146	100		
111	55.3	21.6	64.8
148	67.6	32.1	96.5



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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-SG2	SDG No.:	Q2317
Lab Sample ID:	Q2317-05	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
VL042632.D	4		06/16/25 16:53	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	U	4.15	9.89	ug/m3
74-87-3	Chloromethane	8.90	18.4		0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	U	2.17	7.77	ug/m3
75-00-3	Chloroethane	3.30	8.71		1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	2.00	5.90		1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	14.2	79.8		3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	U	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	U	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30	U	2.30	6.06	ug/m3
142-82-5	Heptane	0.44	1.80	U	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
67-64-1	Acetone	52.7	125		2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	U	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	U	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	2.80	9.73		2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	U	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	U	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	U	3.03	6.88	ug/m3
78-93-3	2-Butanone	3.90	11.5		1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	U	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
67-66-3	Chloroform	8.30	40.5		1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	U	1.87	9.34	ug/m3
71-43-2	Benzene	3.30	10.5		1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	U	1.46	8.09	ug/m3
79-01-6	Trichloroethene	12.9	69.3		0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	U	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	U	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	U	1.52	8.20	ug/m3
108-88-3	Toluene	0.51	1.92	J	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	U	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	U	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	U	1.53	10.9	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-SG2	SDG No.:	Q2317
Lab Sample ID:	Q2317-05	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
VL042632.D	4		06/16/25 16:53	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	U	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	U	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	12.3	83.4		0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	U	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.48	2.08	U	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	0.84	3.65	U	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.48	2.08	U	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	U	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	U	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	U	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	U	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.31	1.52	U	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	U	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1		1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	U	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	U	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	U	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	U	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	U	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	U	2.36	9.83	ug/m3
110-54-3	Hexane	0.88	3.10	J	1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	U	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	U	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	17.8	72.9		1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			70 (65) - 130 (135)	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	104000		2.79			
540-36-3	1,4-Difluorobenzene	284000		3.965			
3114-55-4	Chlorobenzene-d5	251000		8.888			

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:	06/12/25
Project:	Yellow Cab - TO-15	Date Received:	06/12/25
Client Sample ID:	115-SG2	SDG No.:	Q2317
Lab Sample ID:	Q2317-05	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
VL042632.D	4		06/16/25 16:53	VL061625

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\VL061625\
Data File : VL042632.D
Acq On : 16 Jun 2025 16:53
Operator : SY/MD
Sample : Q2317-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Quant Time: Jun 17 03:08:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	104277	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	283950	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	250604	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	195002	10.380	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1782	0.139	ppbv	100
4) Chloromethane	1.534	50	11295	2.226	ppbv	91
7) Chloroethane	1.706	64	1674	0.833	ppbv	91
9) Propene	1.483	41	5661	0.796	ppbv	96
11) Trichlorofluoromethane	1.881	101	42477	3.562	ppbv	98
13) Ethanol	1.722	45	120630	142.401	ppbv	97
15) Acetone	1.839	43	165449	13.172	ppbv	97
19) Isopropyl Alcohol	1.887	45	22537	3.001	ppbv #	1
20) Methylene Chloride	2.065	84	2944	0.710	ppbv #	82
26) Hexane	2.832	57	3435	0.220	ppbv #	66
29) Chloroform	2.852	83	42100	2.073	ppbv	97
34) 2-Butanone	2.564	43	19644	0.970	ppbv	98
36) Benzene	3.664	78	22890	0.819	ppbv	97
38) Trichloroethene	4.554	130	38427	3.233	ppbv	91
41) Tetrahydrofuran	3.069	42	6042	0.510	ppbv #	91
43) Methyl Methacrylate	4.891	69	48265	4.447	ppbv	98
52) Tetrachloroethene	8.231	164	32112	3.073	ppbv	97
53) Toluene	6.933	91	4123m	0.128	ppbv	
59) m/p-Xylene	9.532	91	3722m	0.111	ppbv	
76) 1,4-Dichlorobenzene	11.678	146	29939	1.251	ppbv	97

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

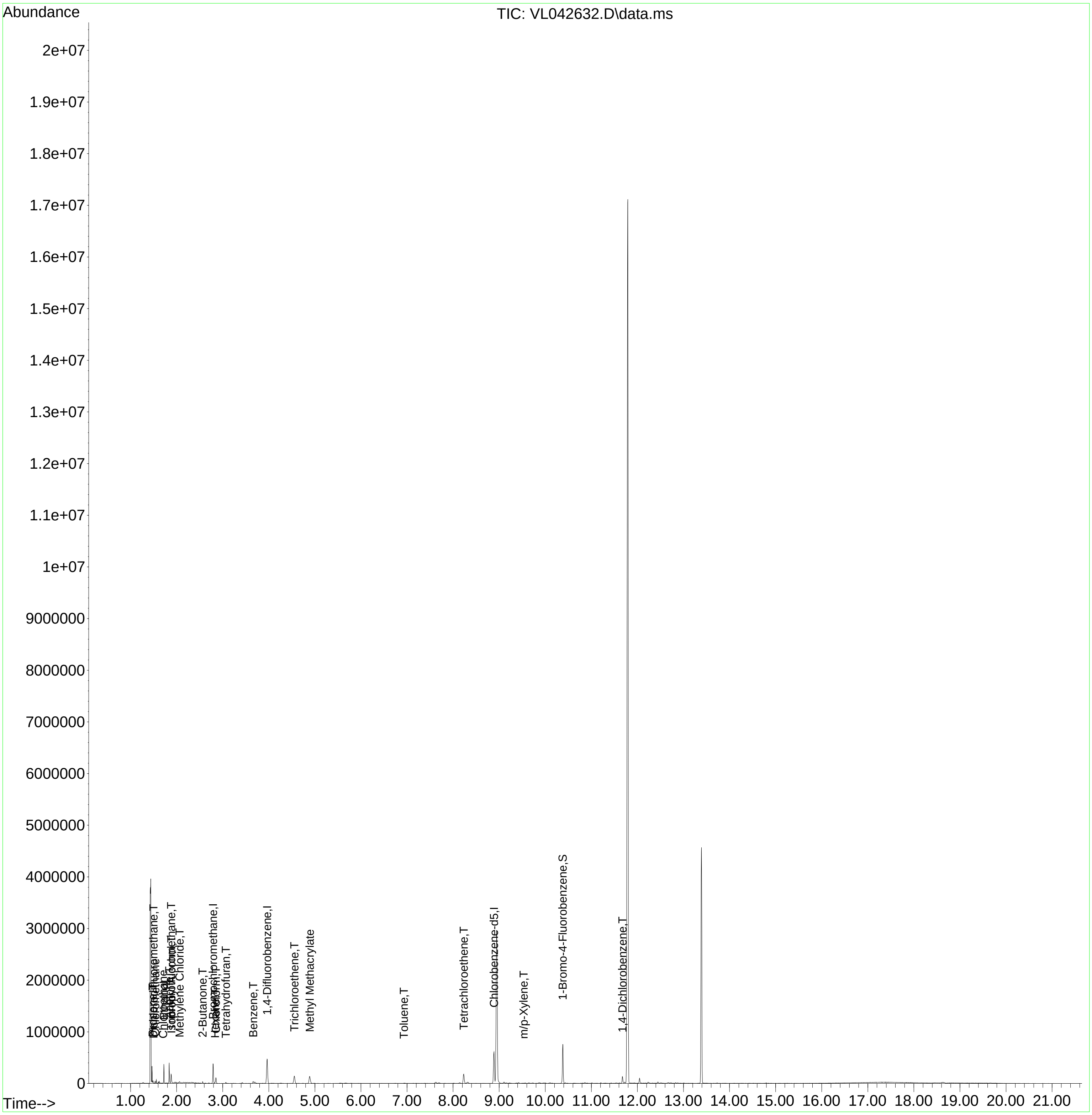
Quantitation Report (QT Reviewed)

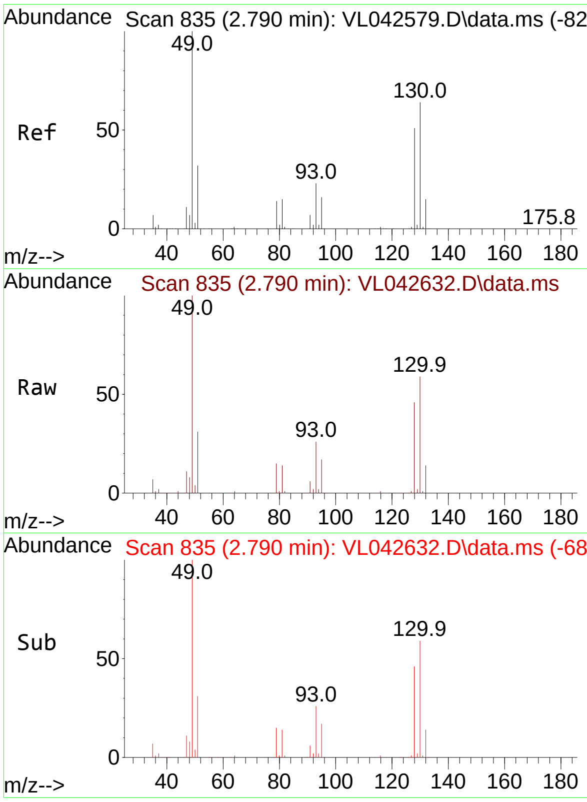
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042632.D
Acq On : 16 Jun 2025 16:53
Operator : SY/MD
Sample : Q2317-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:08:00 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 :
115-SG2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 49 Resp: 104277

Ion	Ratio	Lower	Upper
49	100		
128	46.3	24.2	72.6
130	59.5	30.4	91.2

Manual Integrations
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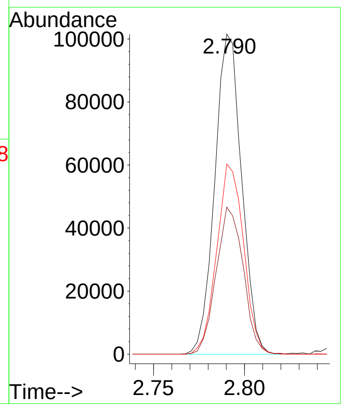
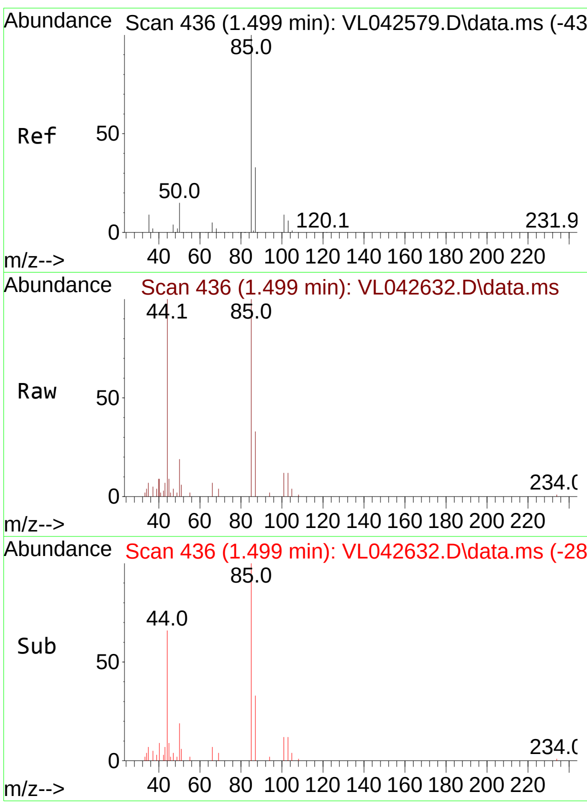
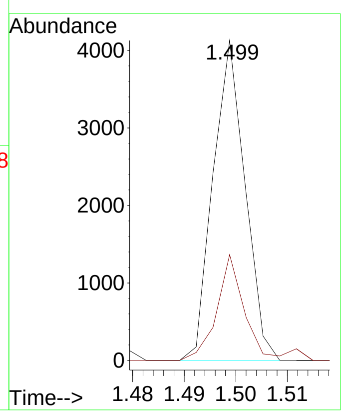


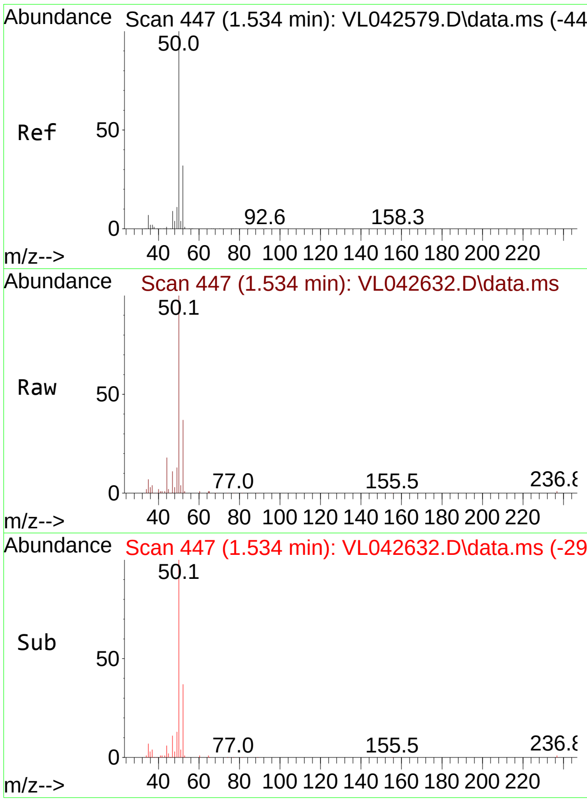


#2
Dichlorodifluoromethane
Concen: 0.139 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 85 Resp: 1782

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.6	39.8





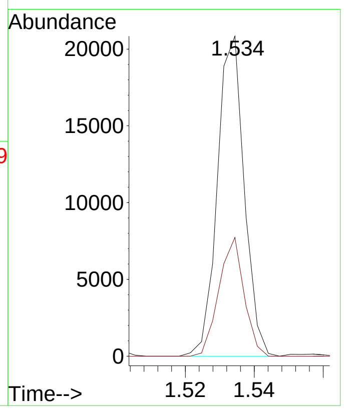
#4
Chloromethane
Concen: 2.226 ppbv
RT: 1.534 min Scan# 44
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

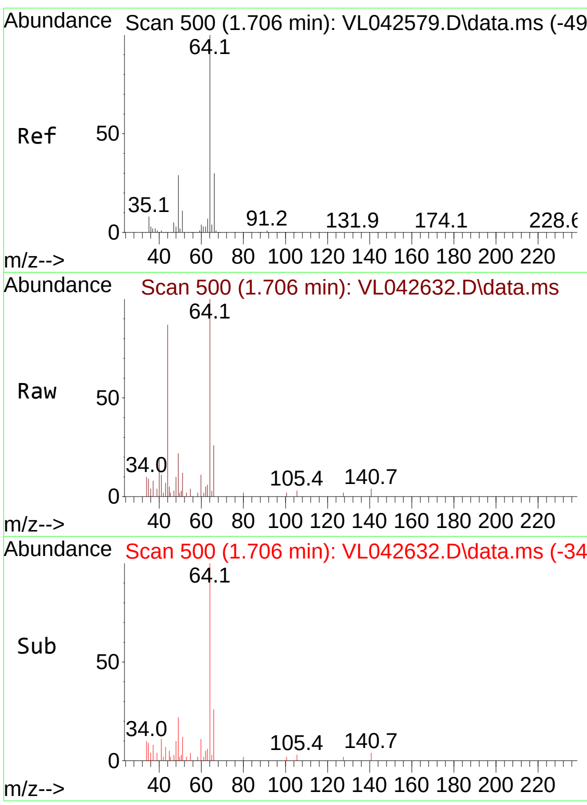
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 50 Resp: 1129

Ion	Ratio	Lower	Upper
50	100		
52	37.1	25.8	38.6

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

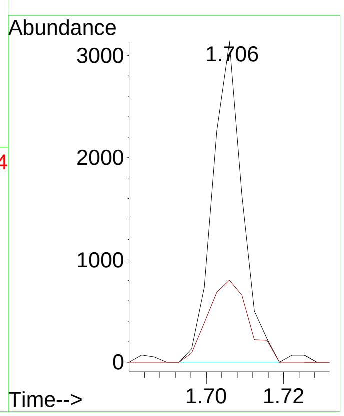


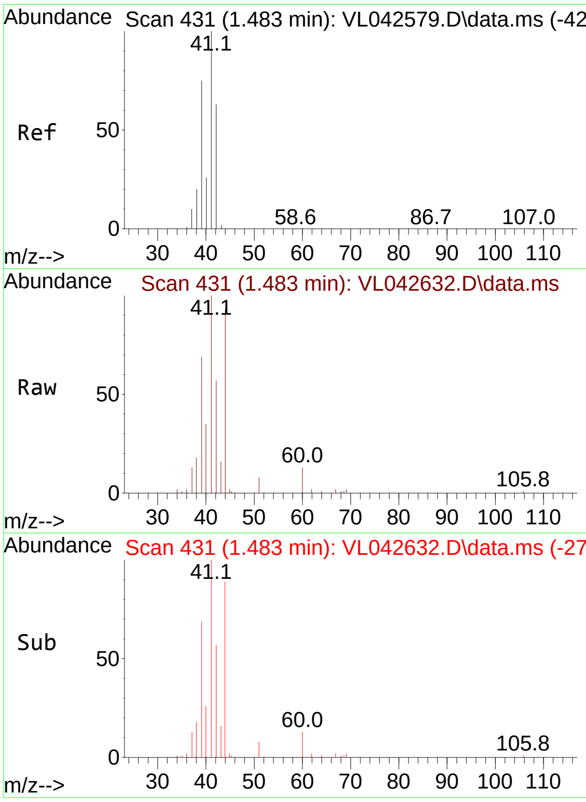


#7
Chloroethane
Concen: 0.833 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 64 Resp: 1674

Ion	Ratio	Lower	Upper
64	100		
66	25.6	24.3	36.5





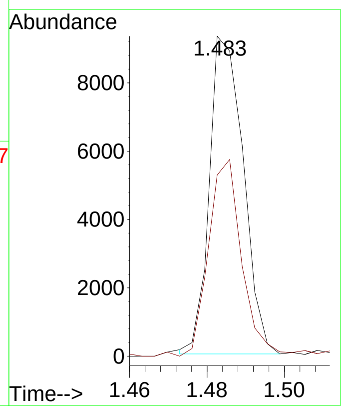
#9
Propene
Concen: 0.796 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

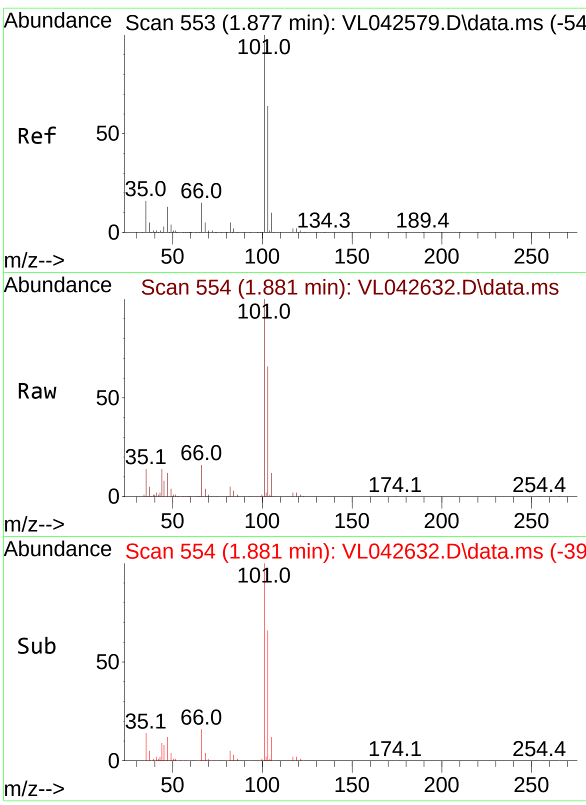
Tgt Ion: 41 Resp: 566

Ion	Ratio	Lower	Upper
41	100		
42	69.6	53.3	79.9

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

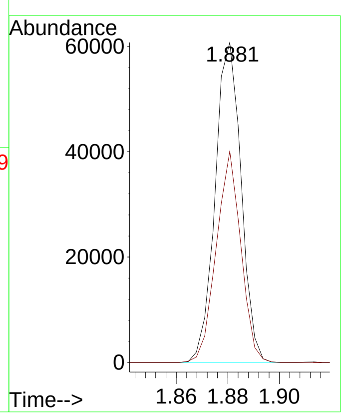


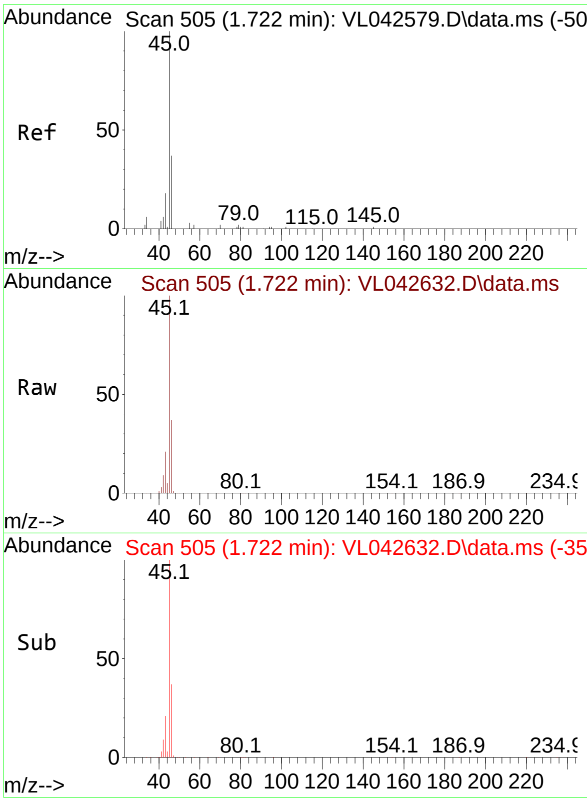


#11
Trichlorofluoromethane
Concen: 3.562 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:101 Resp: 42477

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3





#13
Ethanol
Concen: 142.401 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 45 Resp: 120630

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.5	58.1

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Manual Integrations
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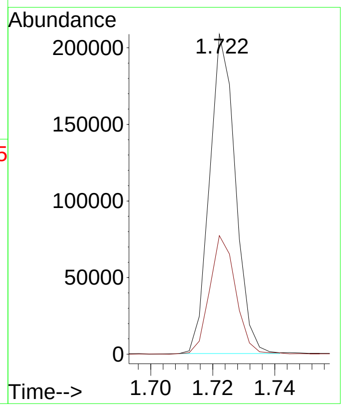
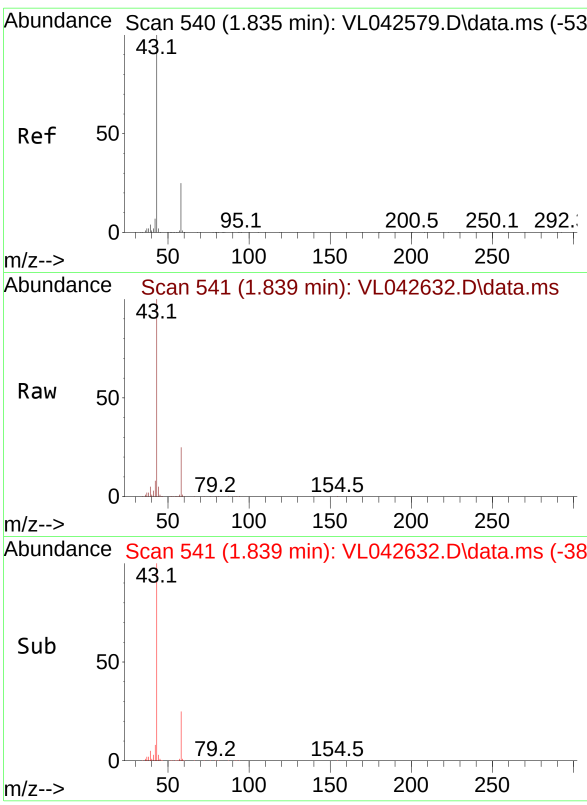
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

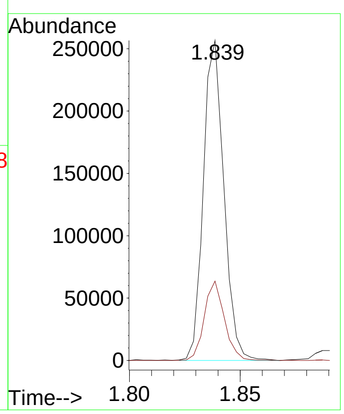


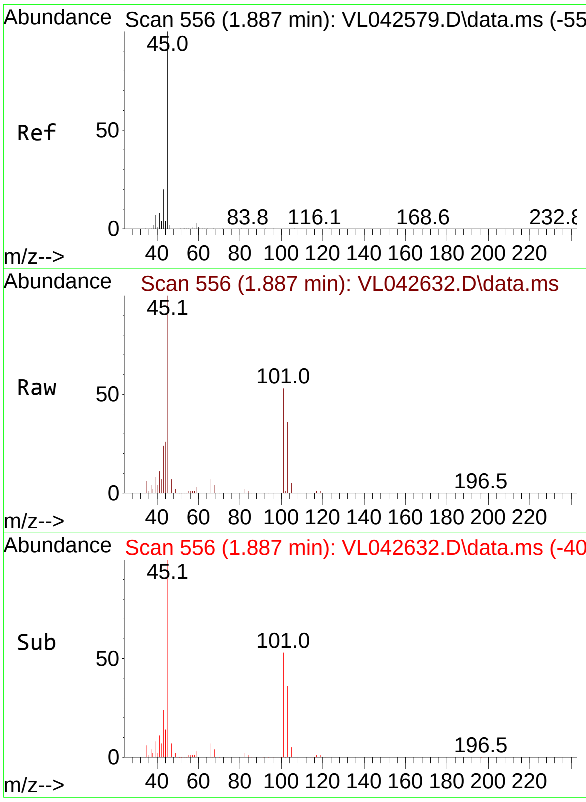


#15
Acetone
Concen: 13.172 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 43 Resp: 165449

Ion	Ratio	Lower	Upper
43	100		
58	24.4	21.0	31.4





#19
Isopropyl Alcohol
Concen: 3.001 ppbv
RT: 1.887 min   Scan# 5

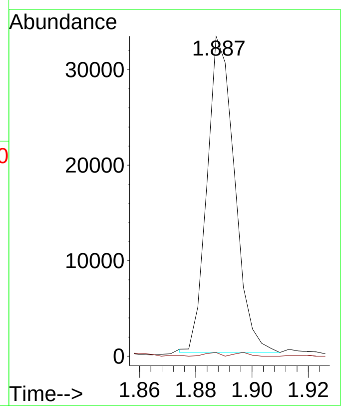
Delta R.T.   0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

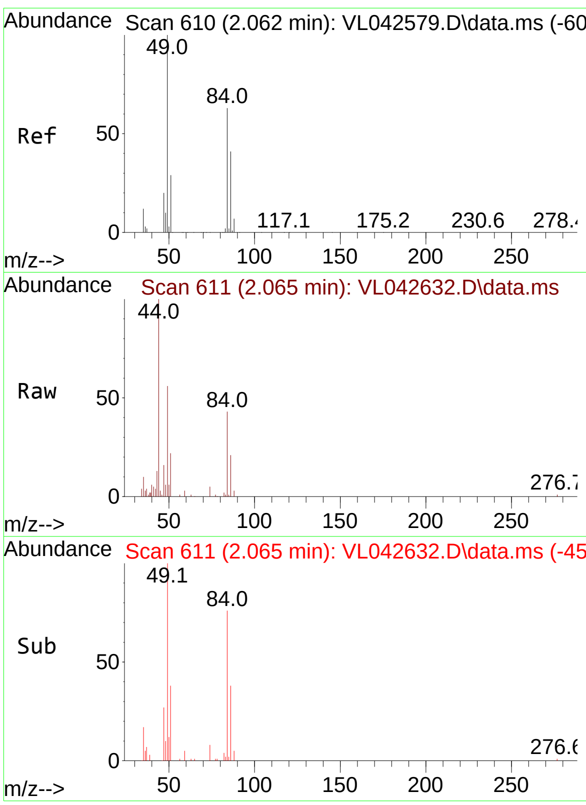
Tgt Ion: 45 Resp: 2253

Ion	Ratio	Lower	Upper
45	100		
58	178.7	29.4	44.2#

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

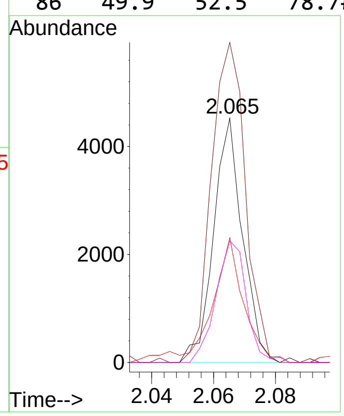


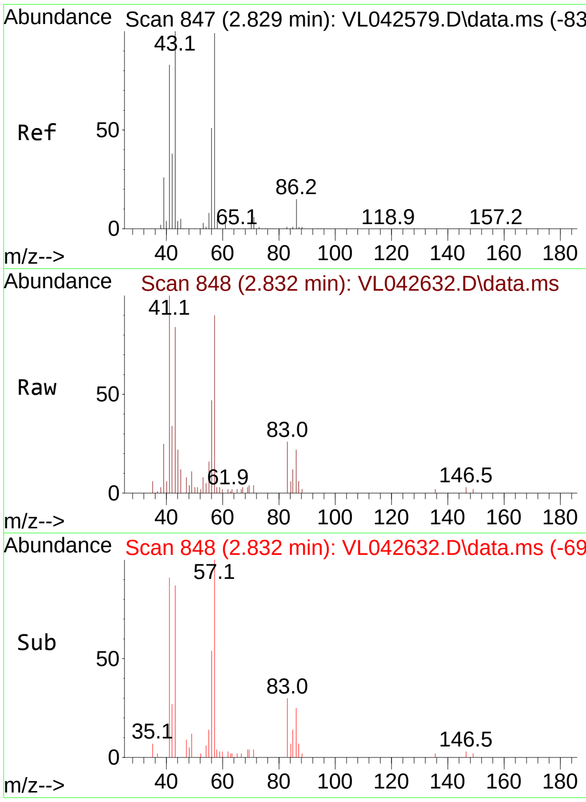


#20
Methylene Chloride
Concen: 0.710 ppbv
RT: 2.065 min   Scan# 611
Delta R.T.   0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion: 84 Resp: 2944

Ion	Ratio	Lower	Upper
84	100		
49	131.1	128.8	193.2
51	48.7	38.6	57.8
86	49.9	52.5	78.7#





#26
Hexane
Concen: 0.220 ppbv
RT: 2.832 min   Scan# 84
Delta R.T.   0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 57 Resp: 343!

Ion	Ratio	Lower	Upper
57	100		
41	134.5	70.6	106.0#
43	173.6	181.1	271.7#
56	63.6	42.2	63.4#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
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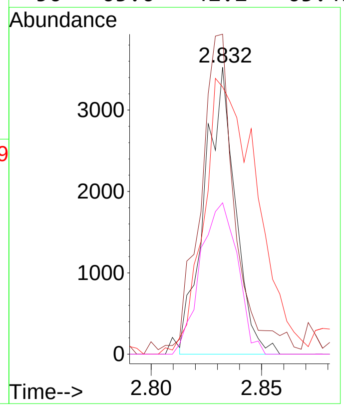
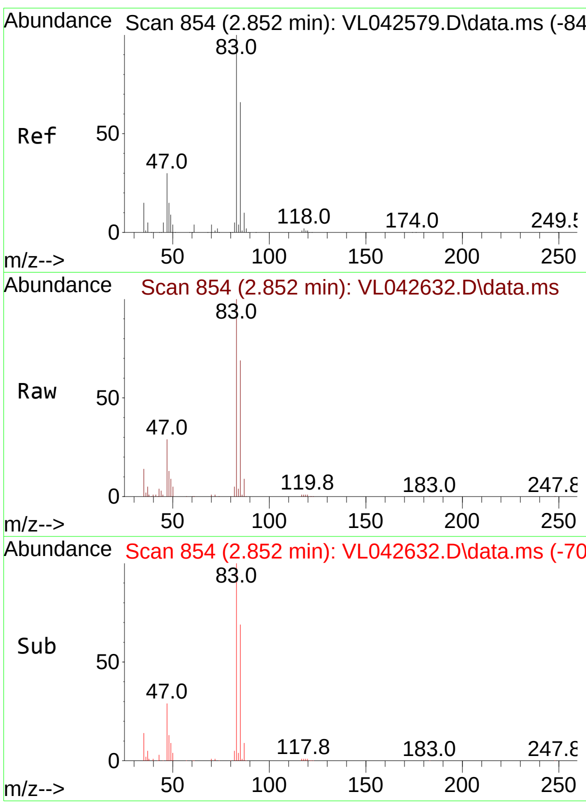
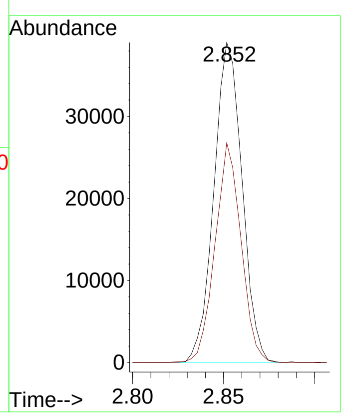


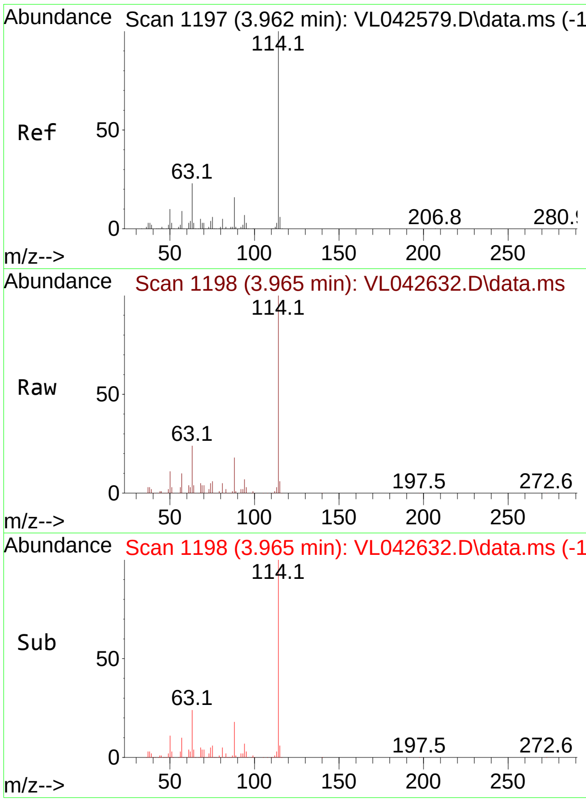


#29
Chloroform
Concen: 2.073 ppbv
RT: 2.852 min   Scan# 854
Delta R.T.   -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion: 83 Resp: 42100

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.8	79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:114 Resp: 28395

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.0	28.6
88	18.0	13.6	20.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
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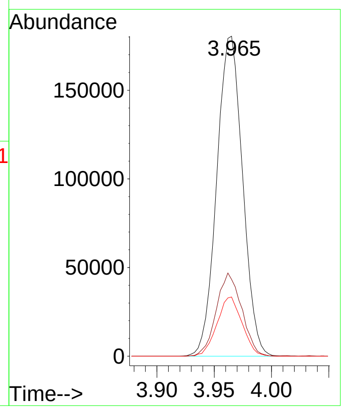
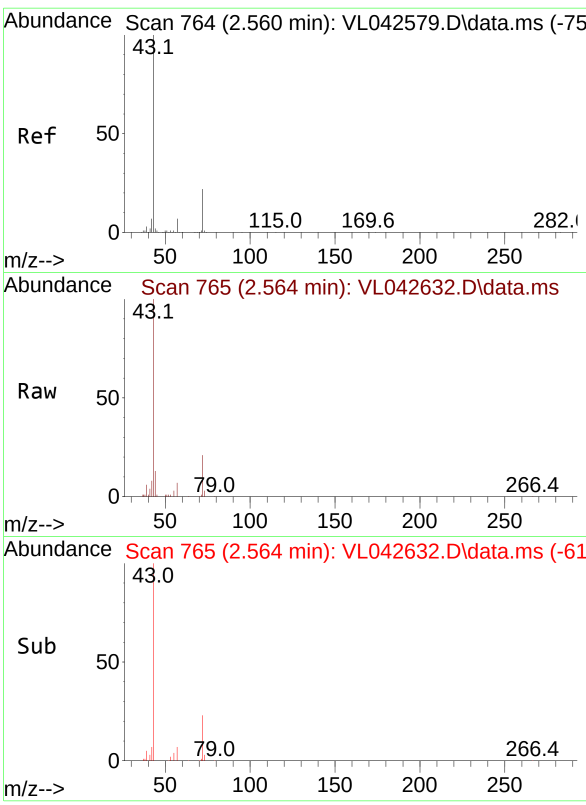
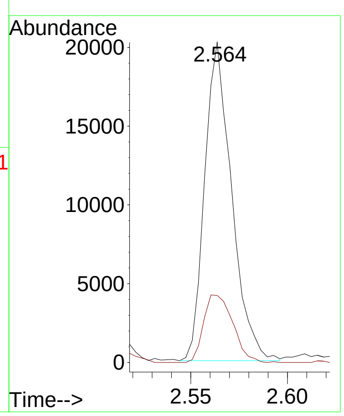


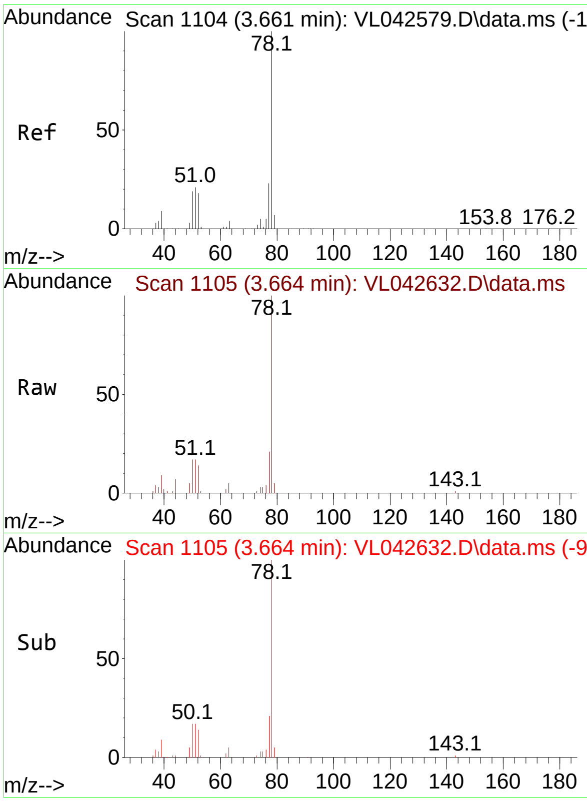


#34
2-Butanone
Concen: 0.970 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 43 Resp: 19644

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.7	26.5





#36
Benzene
Concen: 0.819 ppbv
RT: 3.664 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 78 Resp: 2289

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	17.3	15.2	22.8

Manual Integrations
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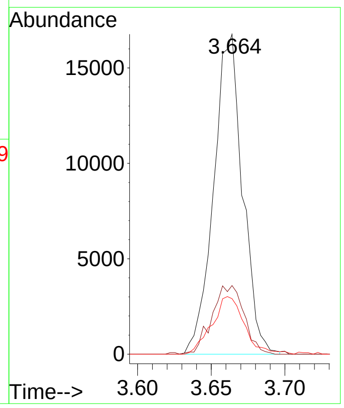
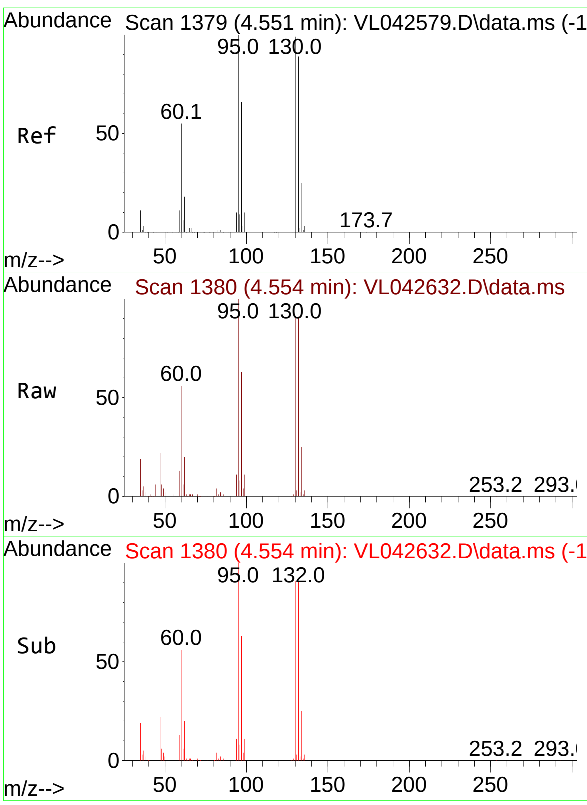
Supervised By :Mahesh Dadoda 06/17/2025

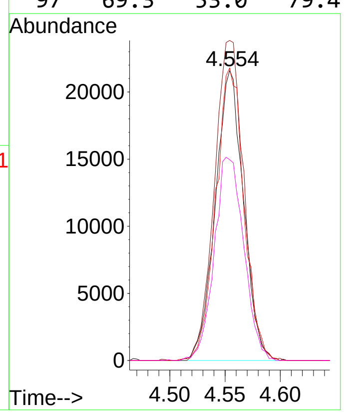


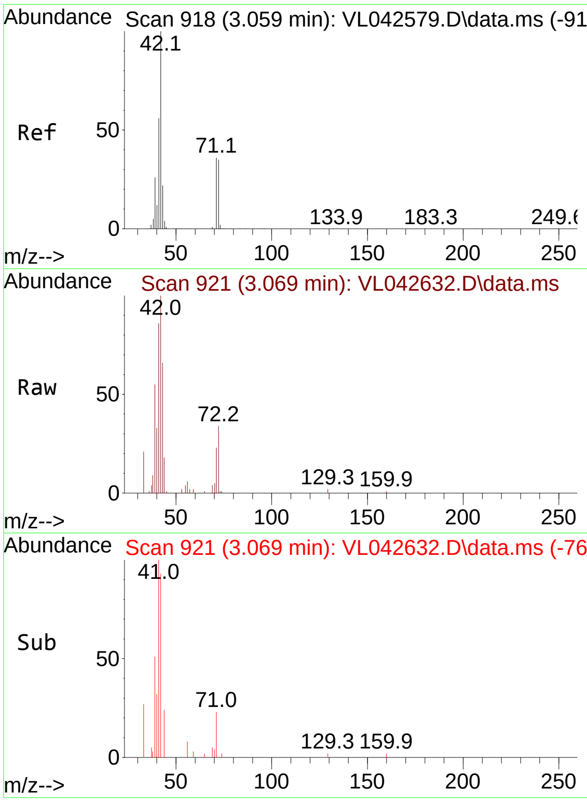


#38
Trichloroethene
Concen: 3.233 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:130 Resp: 38427

Ion	Ratio	Lower	Upper
130	100		
95	110.5	80.6	121.0
132	101.0	71.8	107.6
97	69.3	53.0	79.4





#41
Tetrahydrofuran
Concen: 0.510 ppbv
RT: 3.069 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

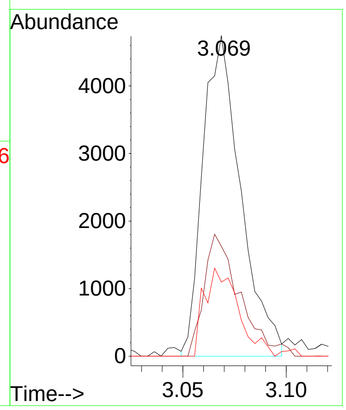
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

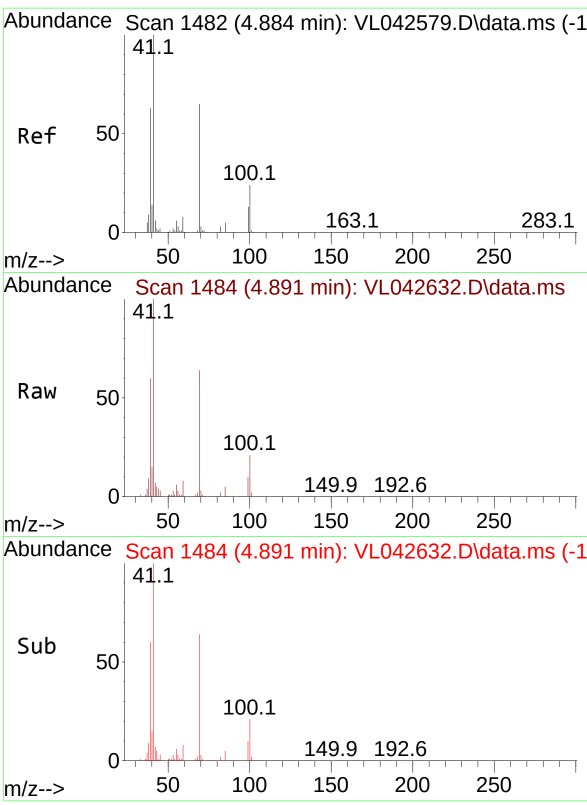
Tgt Ion: 42 Resp: 604

Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.9	43.3
71	25.6	28.5	42.7#

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

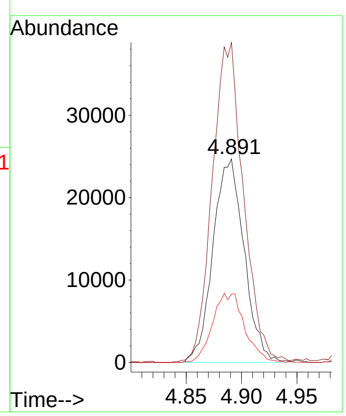


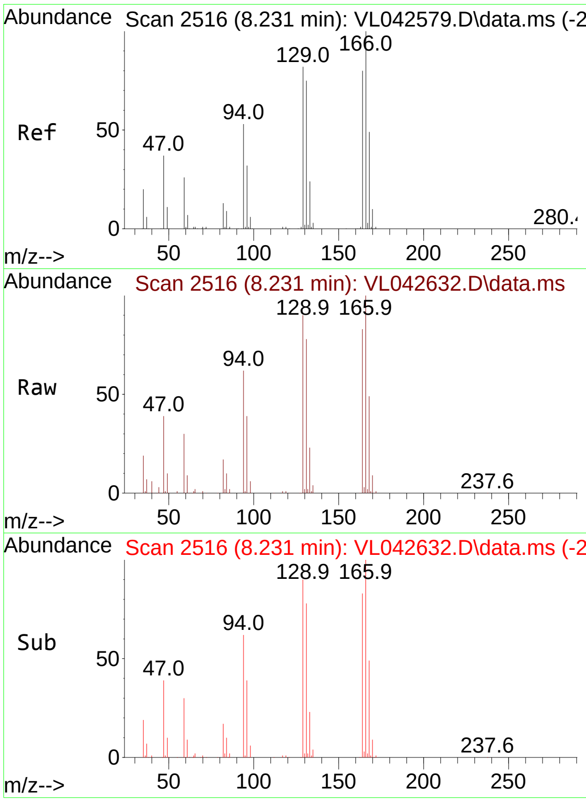


#43
Methyl Methacrylate
Concen: 4.447 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 69 Resp: 48265

Ion	Ratio	Lower	Upper
69	100		
41	158.4	124.6	187.0
100	35.2	29.9	44.9





#52
Tetrachloroethene
Concen: 3.073 ppbv
RT: 8.231 min   Scan# 2!
Delta R.T.   0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

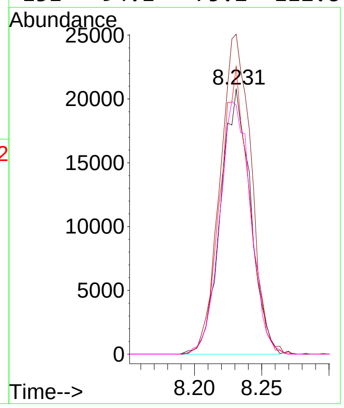
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

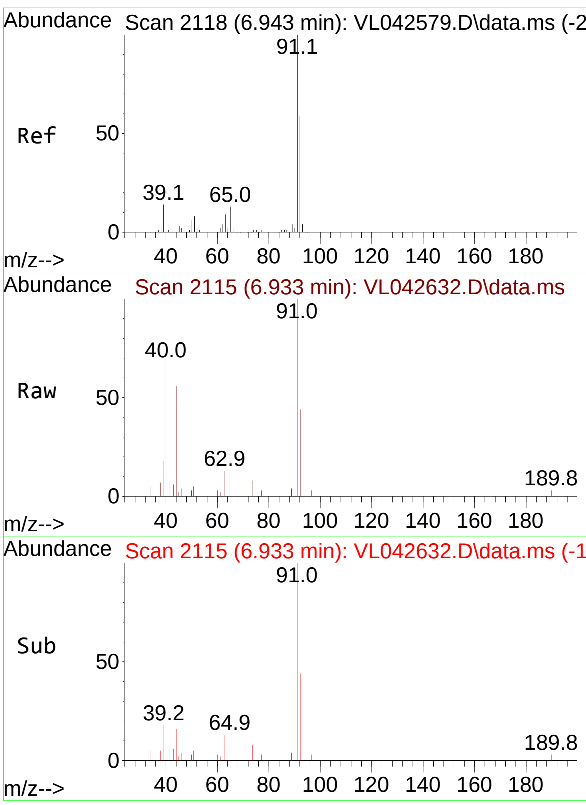
Tgt Ion:164 Resp: 32111

Ion	Ratio	Lower	Upper
164	100		
166	120.9	100.0	150.0
129	108.6	82.2	123.4
131	94.1	75.2	112.8

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

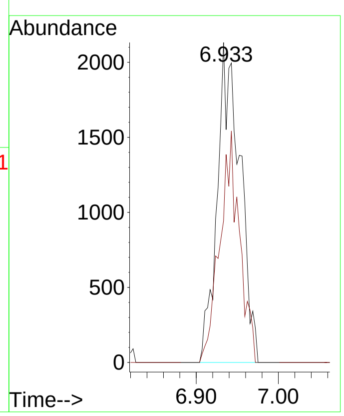


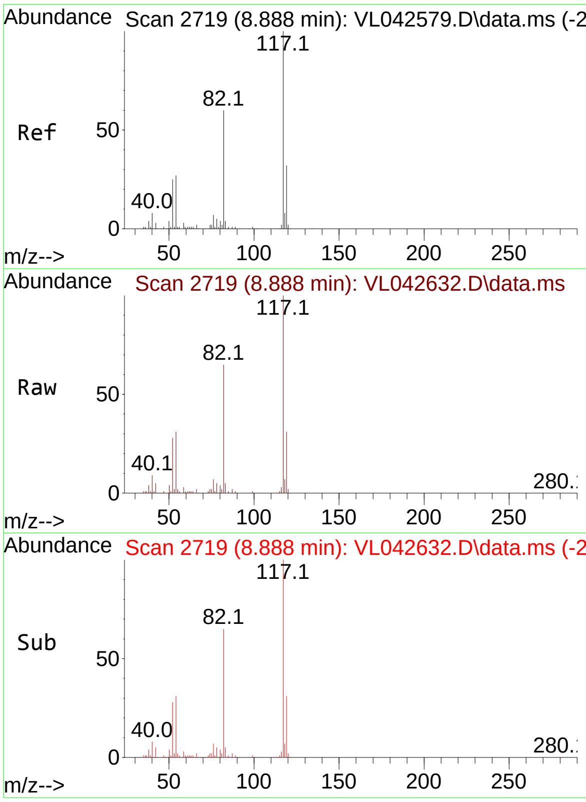


#53
Toluene
Concen: 0.128 ppbv m
RT: 6.933 min   Scan# 2115
Delta R.T.   -0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion: 91 Resp: 4123

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

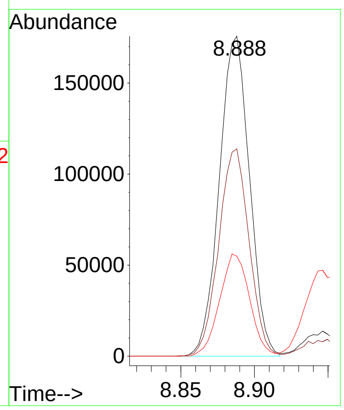
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

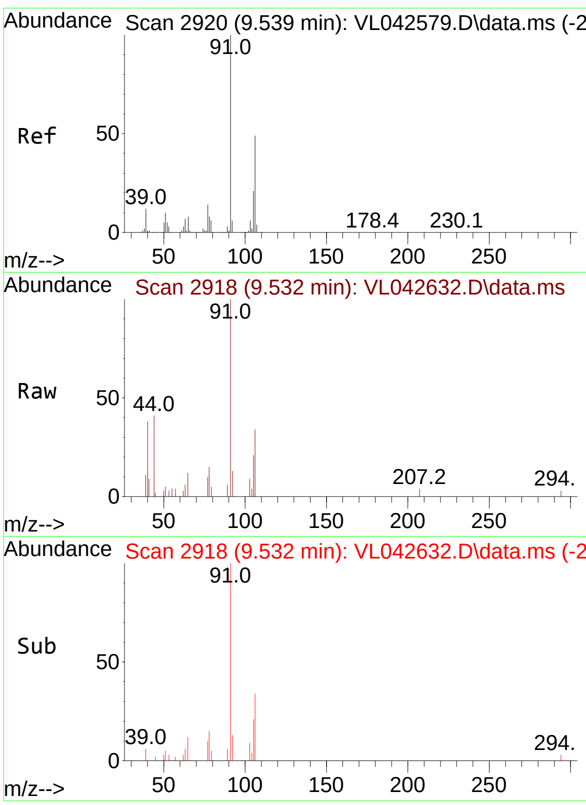
Tgt Ion:117 Resp: 25060

Ion	Ratio	Lower	Upper
117	100		
82	65.4	51.2	76.8
119	31.6	26.3	39.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

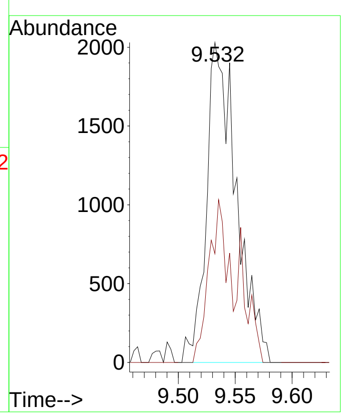


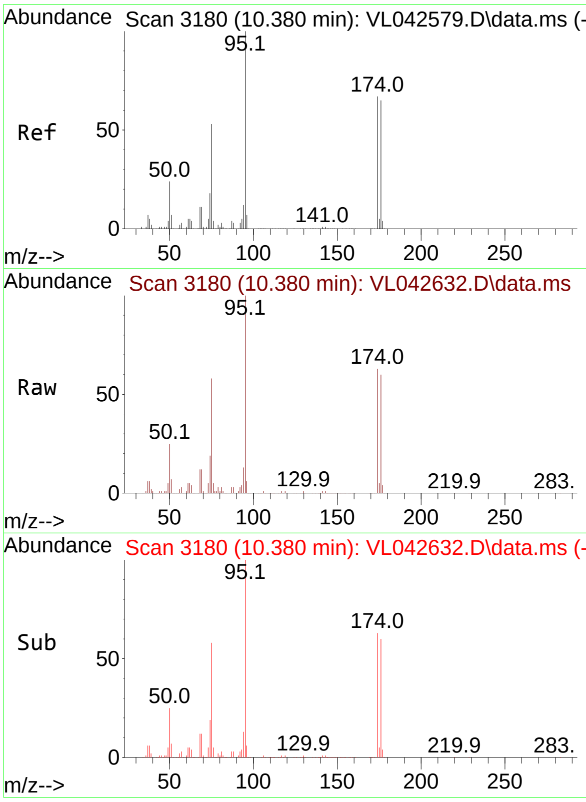


#59
m/p-Xylene
Concen: 0.111 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 91 Resp: 3722

Ion	Ratio	Lower	Upper
91	100		
106	45.5	38.8	58.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.380 ppbv
RT: 10.380 min   Scan# 3
Delta R.T.   -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

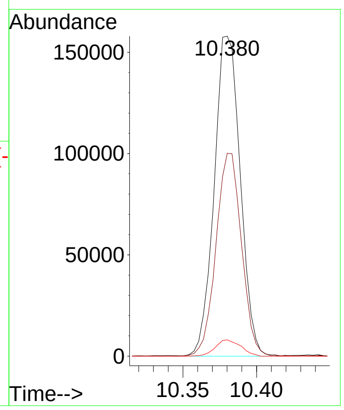
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

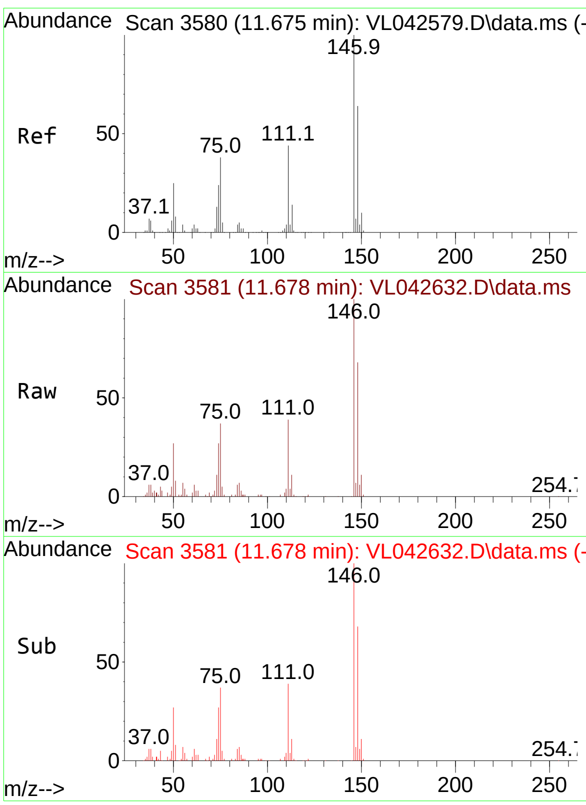
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

Tgt Ion: 95 Resp: 19500

Ion	Ratio	Lower	Upper
95	100		
174	62.0	53.1	79.7
175	5.0	4.2	6.2

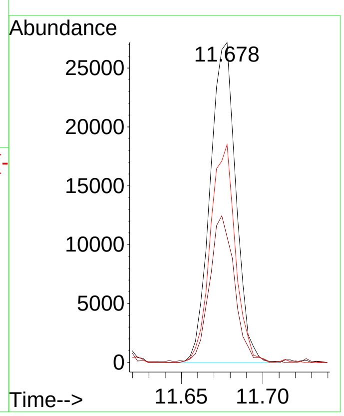




#76
1,4-Dichlorobenzene
Concen: 1.251 ppbv
RT: 11.678 min   Scan# 3581
Delta R.T.   0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion:146 Resp: 29939

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	64.8
148	66.4	32.1	96.5



CALIBRATION SUMMARY

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL052925AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 30 02:01:56 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042584.D 0.1 =VL042583.D 0.5 =VL042582.D 1 =VL042581.D 2 =VL042580.D 10 =VL042579.D 15 =VL042585.D

#		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane				----ISTD----					
2)	T	Dichlorodifluo...			1.257	1.353	1.300	1.135	1.101	1.229	8.78
3)		Chlorodifluoro...			1.881	1.861	1.826	1.475	1.420	1.693	13.32
4)		Chloromethane			0.502	0.529	0.507	0.461	0.434	0.487	7.85
5)	T	Vinyl Chloride	0.675	0.465	0.529	0.487	0.468	0.437	0.409	0.496	17.69
6)	T	Bromomethane			0.310	0.251	0.230	0.216	0.200	0.241	17.69
7)		Chloroethane			0.214	0.212	0.198	0.175	0.164	0.193	11.60
8)	T	Dichlorotetraf...			1.099	1.098	1.075	0.948	0.900	1.024	9.11
9)	T	Propene			0.710	0.728	0.722	0.650	0.599	0.682	8.18
10)	T	Heptane			2.079	2.082	1.981	1.777	1.688	1.921	9.37
11)	T	Trichlorofluor...			1.193	1.209	1.202	1.071	1.043	1.144	6.98
12)	T	1,1,2-Trichlor...			0.903	0.980	0.951	0.838	0.818	0.898	7.79
13)		Ethanol			0.114	0.095	0.092	0.058	0.047	0.081	33.96
14)	T	Bromoethene			0.359	0.346	0.362	0.317	0.304	0.338	7.71
15)	T	Acetone			1.404	1.484	1.299	0.928	0.908	1.205	22.39
16)	T	1,3-Butadiene			0.649	0.636	0.597	0.491	0.480	0.571	14.07
17)		tert-Butyl alc...			1.337	1.334	1.279	1.237	1.088	1.255	8.14
18)	T	1,1-Dichloroet...			0.451	0.451	0.437	0.377	0.364	0.416	10.11
19)	T	Isopropyl Alcohol			0.825	0.782	0.742	0.659	0.593	0.720	13.03
20)	T	Methylene Chlo...			0.473	0.457	0.418	0.326	0.314	0.398	18.57
21)	T	Allyl Chloride			0.924	0.921	0.866	0.789	0.749	0.850	9.22
22)	T	trans-1,2-Dich...			0.496	0.517	0.466	0.427	0.418	0.465	9.21
23)	T	Vinyl Acetate			1.750	1.663	1.686	1.458	1.584	1.628	6.89
24)	T	1,1-Dichloroet...			0.996	1.046	1.004	0.903	0.833	0.957	9.03
25)	T	Ethyl Acetate			3.496	3.585	3.412	3.054	2.934	3.296	8.67
26)	T	Hexane			1.690	1.638	1.526	1.350	1.286	1.498	11.76
27)	T	Carbon Disulfide			1.174	1.267	1.198	1.069	1.040	1.150	8.16
28)	T	Methyl tert-Bu...			0.664	0.693	0.621	0.550	0.511	0.608	12.59
29)	T	Chloroform			2.099	2.120	2.034	1.755	1.731	1.948	9.74
30)	T	Cyclohexane			1.318	1.363	1.288	1.146	1.092	1.242	9.38
31)	T	cis-1,2-Dichlo...			1.419	1.461	1.465	1.271	1.235	1.370	7.96
32)	T	1,1,1-Trichlor...	2.207	2.083	2.004	2.043	2.029	1.794	1.771	1.990	7.86
33)	I	1,4-Difluorobenzene				----ISTD----					
34)	T	2-Butanone			0.760	0.754	0.746	0.655	0.651	0.713	7.71
35)	T	Carbon Tetrach...	0.681	0.706	0.665	0.684	0.670	0.603	0.612	0.660	5.82
36)	T	Benzene			1.051	1.052	1.027	0.900	0.894	0.985	8.20
37)	T	1,2-Dichloroet...			0.518	0.509	0.513	0.448	0.460	0.489	6.72
38)	T	Trichloroethene	0.389	0.432	0.468	0.455	0.438	0.376	0.373	0.419	9.28
39)	T	1,2-Dichloropr...			0.415	0.374	0.373	0.329	0.330	0.364	9.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL052925AIR.M

40)	T	1,4-Dioxane			0.172	0.178	0.168	0.152	0.145	0.163	8.70
41)	T	Tetrahydrofuran			0.445	0.446	0.426	0.388	0.382	0.417	7.33
42)	T	Bromodichlorom...			0.702	0.737	0.721	0.656	0.660	0.695	5.17
43)		Methyl Methacr...			0.398	0.384	0.406	0.366	0.357	0.382	5.36
44)	T	2,2,4-Trimethy...			1.811	1.830	1.765	1.522	1.495	1.684	9.67
45)	T	t-1,3-Dichloro...			0.433	0.455	0.456	0.424	0.418	0.437	4.01
46)	T	cis-1,3-Dichlo...			0.567	0.568	0.555	0.527	0.523	0.548	3.99
47)	T	1,1,2-Trichlor...			0.406	0.401	0.394	0.343	0.340	0.377	8.69
48)	T	Dibromochlorom...			0.600	0.642	0.635	0.570	0.571	0.603	5.64
49)	T	Bromoform			0.524	0.519	0.553	0.508	0.501	0.521	3.83
50)	T	4-Methyl-2-Pen...			1.036	1.030	1.002	0.958	0.919	0.989	5.05
51)	T	2-Hexanone			0.752	0.818	0.824	0.779	0.749	0.784	4.49
52)	T	Tetrachloroethene	0.351	0.407	0.391	0.383	0.390	0.333	0.321	0.368	8.93
53)	T	Toluene			1.210	1.190	1.197	1.054	1.040	1.138	7.35
54)	T	1,2-Dibromoethane		0.575	0.578	0.590	0.576	0.516	0.513	0.558	6.15
55)	I	Chlorobenzene-d5	-----------------ISTD---------------------								
56)		1,1,1,2-Tetrac...			0.520	0.536	0.528	0.467	0.464	0.503	6.95
57)	T	Chlorobenzene			1.081	1.028	1.014	0.868	0.865	0.971	10.17
58)	T	Ethyl Benzene			1.770	1.786	1.833	1.547	1.545	1.696	8.19
59)	T	m/p-Xylene			1.411	1.412	1.431	1.212	1.208	1.335	8.55
60)	T	o-Xylene			1.430	1.410	1.441	1.187	1.188	1.331	9.87
61)	T	Styrene			0.626	0.658	0.678	0.590	0.596	0.629	6.07
62)		Isopropylbenzene			2.060	2.129	2.121	1.772	1.751	1.967	9.62
63)	T	1,1,2,2-Tetrac...	1.054	0.828	0.879	0.861	0.855	0.723	0.727	0.847	13.16
64)		n-propylbenzene			0.579	0.541	0.570	0.471	0.475	0.527	9.74
65)		tert-Butylbenzene			1.945	1.923	1.942	1.577	1.538	1.785	11.68
66)	T	Benzyl Chloride			0.199	0.237	0.252	0.241	0.220	0.230	8.94
67)		sec-Butylbenzene			2.745	2.743	2.699	2.195	2.165	2.509	12.01
68)	S	1-Bromo-4-Fluo...	0.752	0.751	0.755	0.751	0.741	0.744	0.754	0.750	0.68
69)		p-Isopropyltol...			2.241	2.249	2.299	1.868	1.851	2.101	10.57
70)		n-Butylbenzene			2.110	2.267	2.299	1.842	1.853	2.074	10.56
71)		2-Chlorotoluene			1.603	1.620	1.596	1.343	1.339	1.500	9.70
72)	T	4-Ethyltoluene			1.704	1.797	1.823	1.481	1.494	1.660	9.86
73)	T	1,3,5-Trimethy...			1.441	1.482	1.475	1.235	1.236	1.374	9.25
74)	T	1,2,4-Trimethy...			1.640	1.675	1.666	1.335	1.306	1.524	12.26
75)	T	1,3-Dichlorobe...			1.031	1.034	1.040	0.839	0.843	0.957	11.13
76)	T	1,4-Dichlorobe...			0.998	1.040	1.037	0.849	0.851	0.955	10.18
77)	T	1,2-Dichlorobe...			1.019	1.008	1.027	0.798	0.793	0.929	13.14
78)	T	Hexachloro-1,3...			0.872	0.893	0.880	0.607	0.593	0.769	20.11
79)	T	Naphthalene		1.088	1.366	1.634	1.785	1.383	1.366	1.437	16.89
80)	T	Naphthalene,2-...			0.444	0.562	0.781	0.716	0.743	0.649	21.85
81)	T	1,2,4-Trichlor...			0.716	0.889	0.944	0.735	0.727	0.802	13.26

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042579.D
Acq On : 29 May 2025 11:09
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

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

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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

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

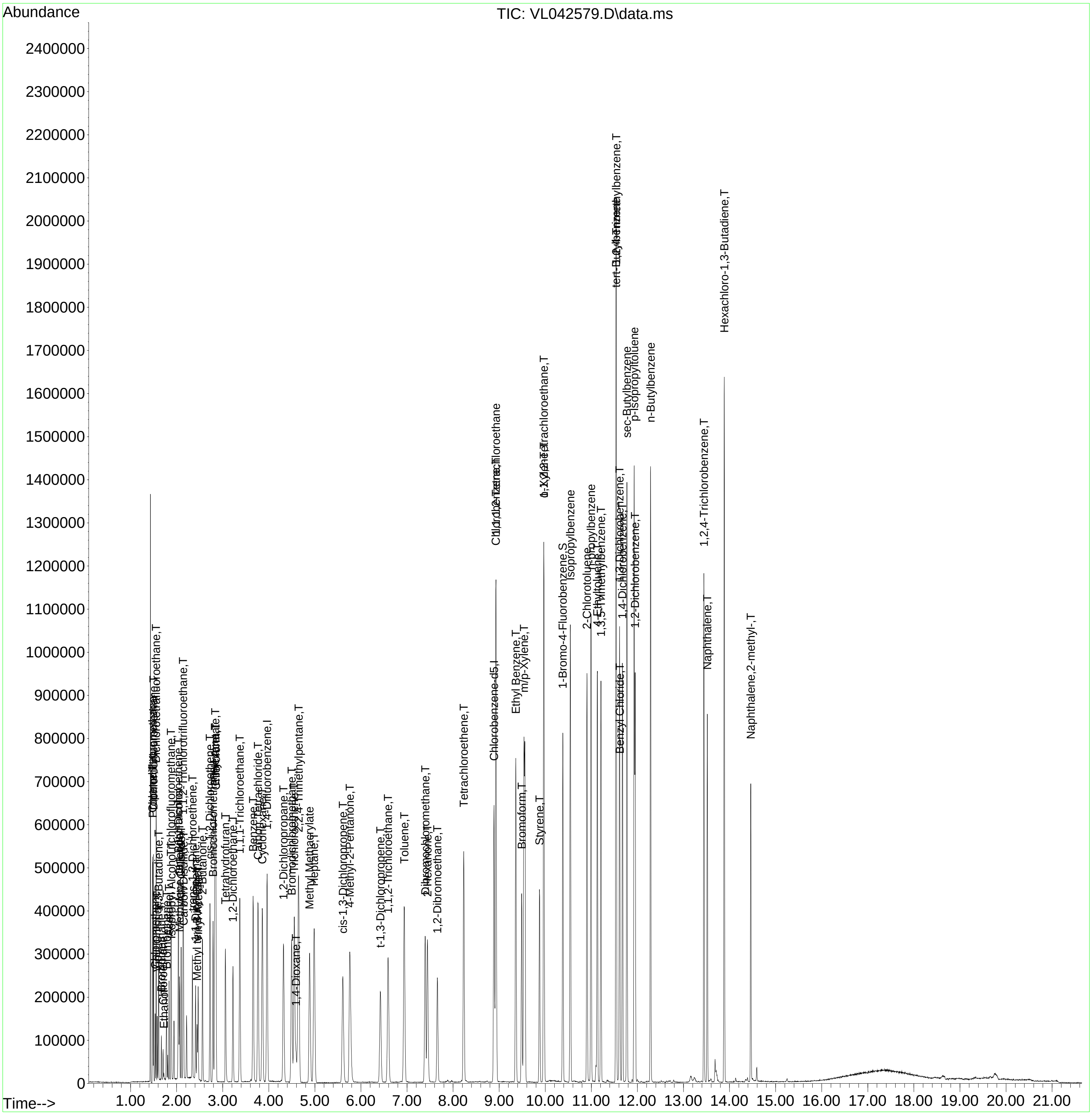
Quantitation Report (QT Reviewed)

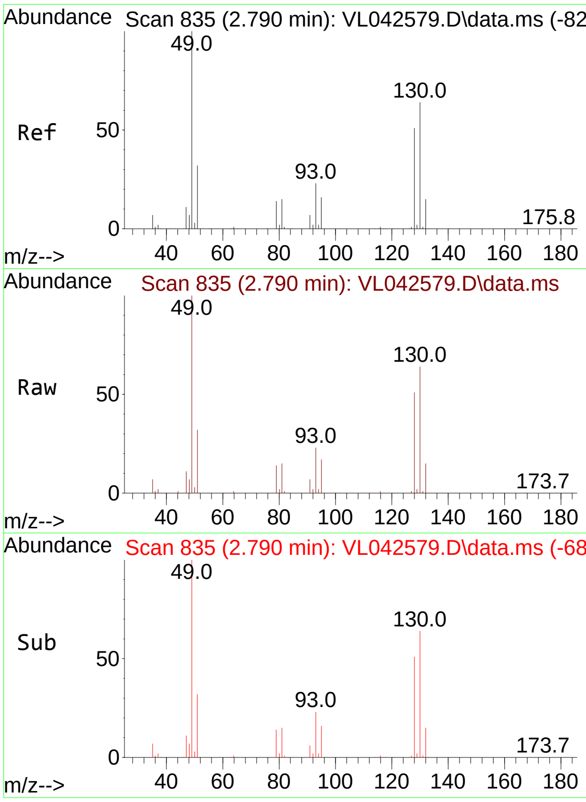
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042579.D
Acq On : 29 May 2025 11:09
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:16:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

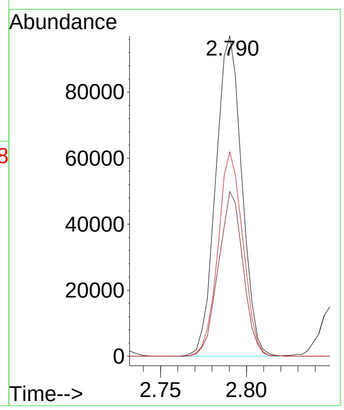




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min   Scan# 8
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 49 Resp: 10279

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.2	72.6
130	60.8	30.4	91.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

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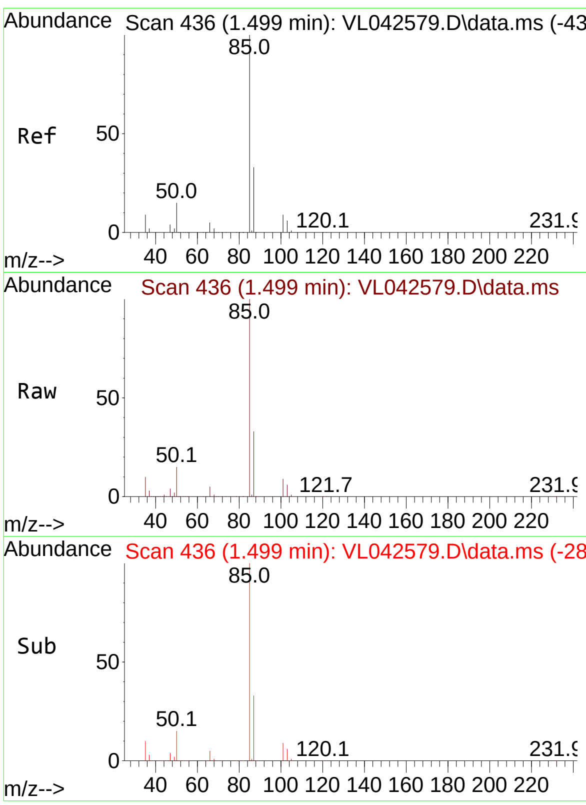
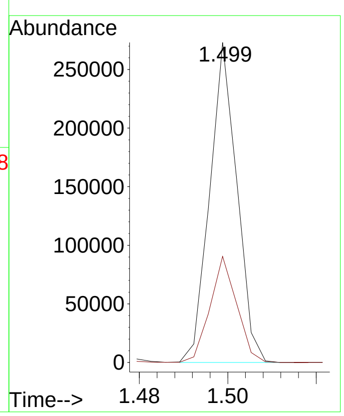
Supervised By :Mahesh Dadoda   05/30/2025

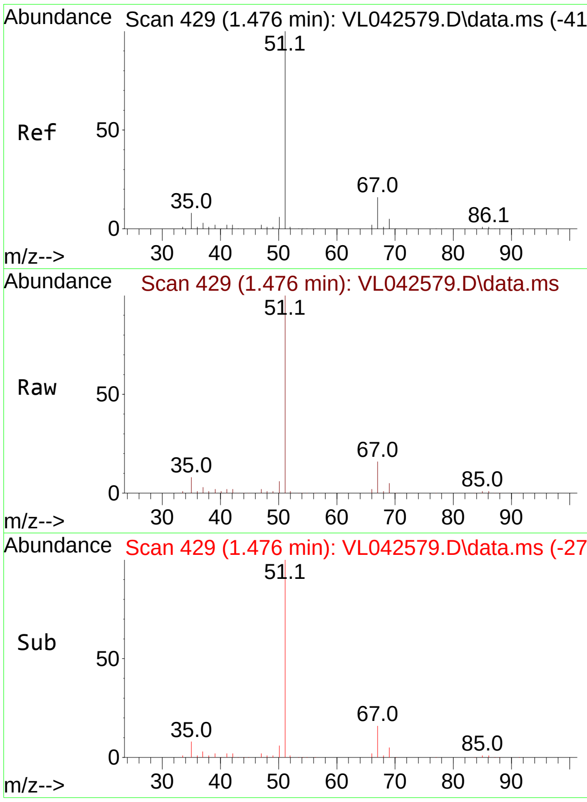


#2
Dichlorodifluoromethane
Concen: 9.232 ppbv
RT: 1.499 min   Scan# 436
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 85 Resp: 116625

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	39.8





#3
Chlorodifluoromethane
Concen: 8.715 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 51 Resp: 15163

Ion	Ratio	Lower	Upper
51	100		
67	16.8	13.4	20.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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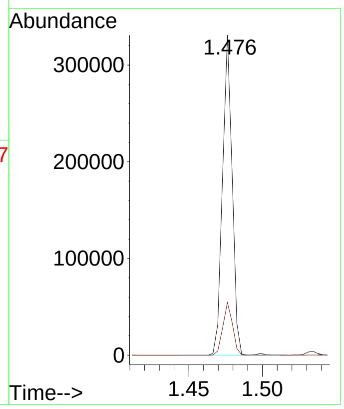
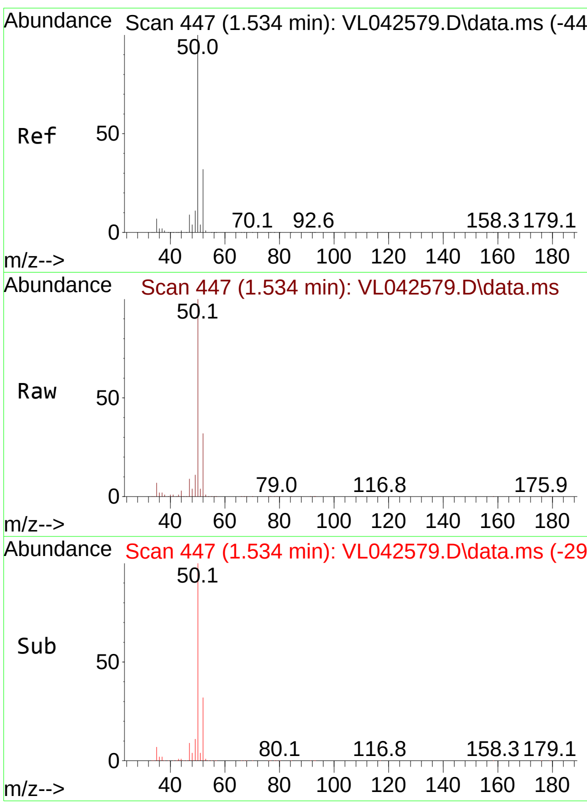
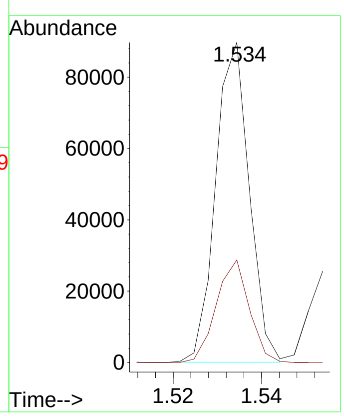


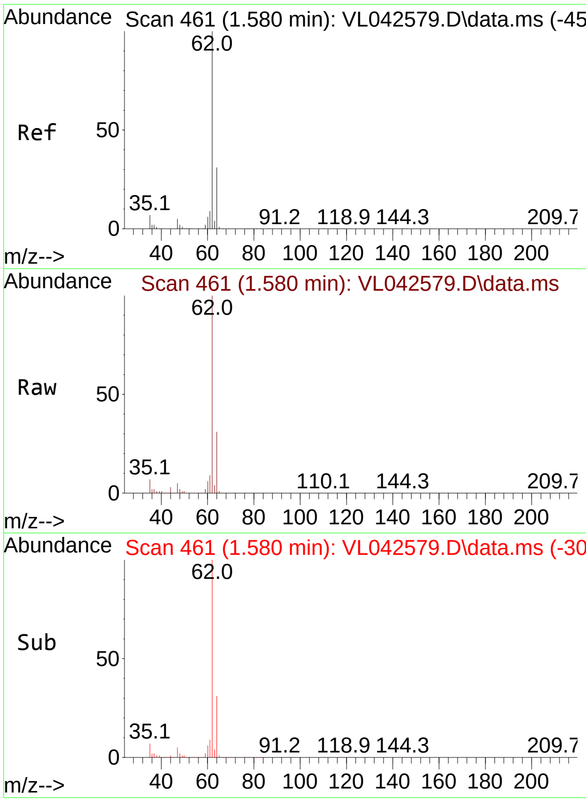


#4
Chloromethane
Concen: 9.478 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 50 Resp: 47416

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6





#5
Vinyl Chloride
Concen: 8.809 ppbv
RT: 1.580 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 62 Resp: 4489

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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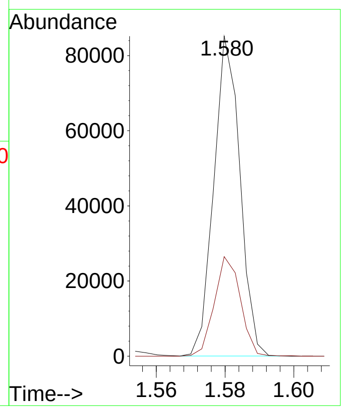
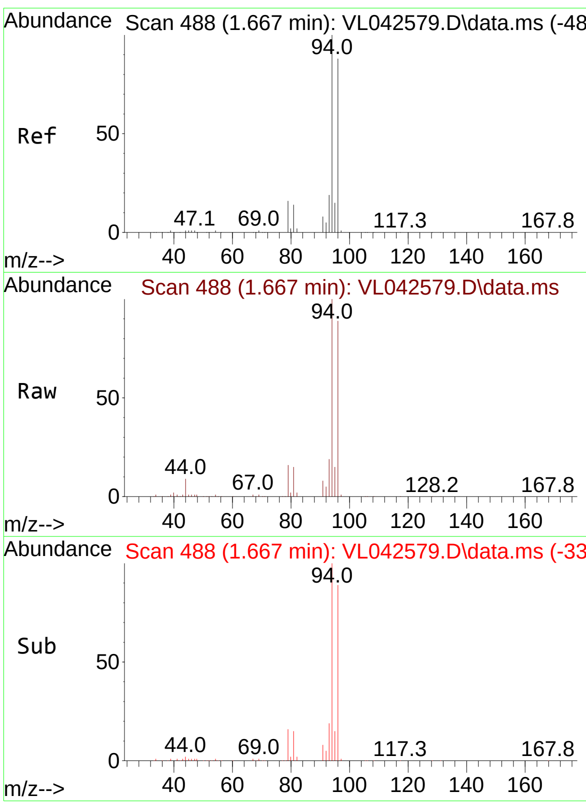
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

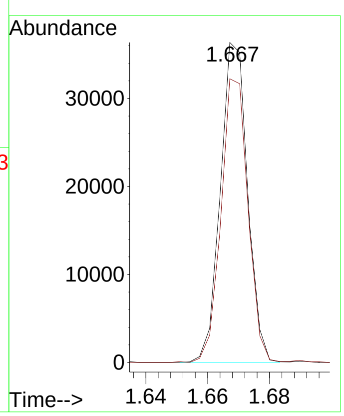


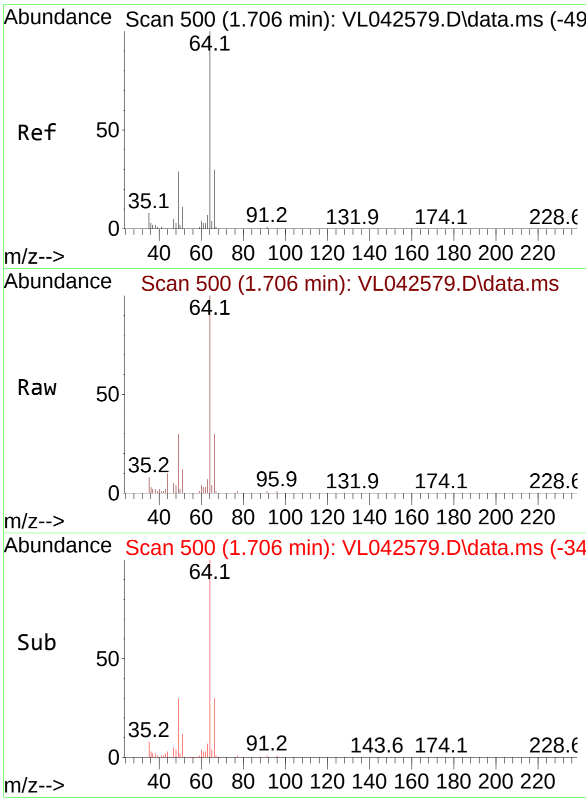


#6
Bromomethane
Concen: 8.953 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 94 Resp: 22207

Ion	Ratio	Lower	Upper
94	100		
96	88.4	70.7	106.1





#7
Chloroethane
Concen: 9.066 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

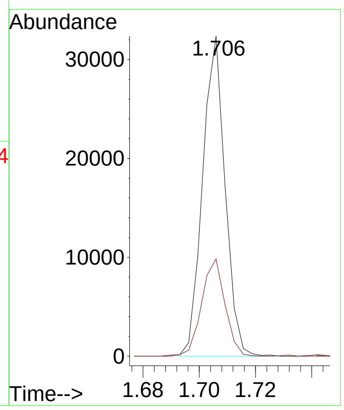
Tgt Ion: 64 Resp: 1795

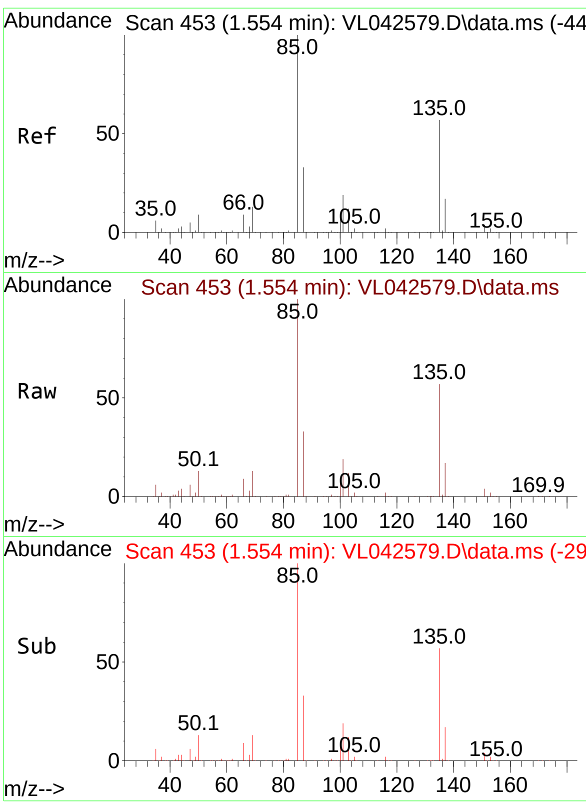
Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

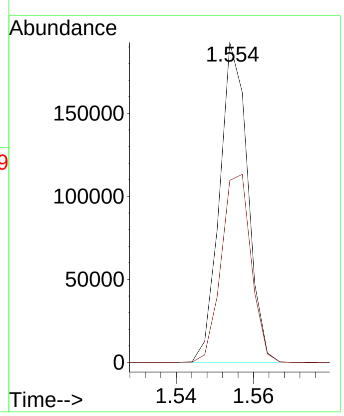


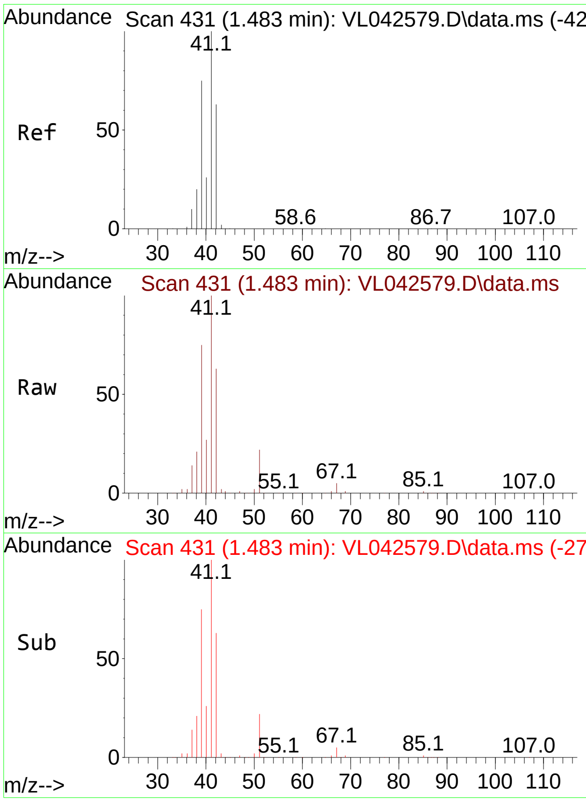


#8
Dichlorotetrafluoroethane
Concen: 9.255 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 85 Resp: 97419

Ion	Ratio	Lower	Upper
85	100		
135	62.8	50.2	75.4





#9
Propene
Concen: 9.529 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 41 Resp: 6676

Ion	Ratio	Lower	Upper
41	100		
42	66.9	53.3	79.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

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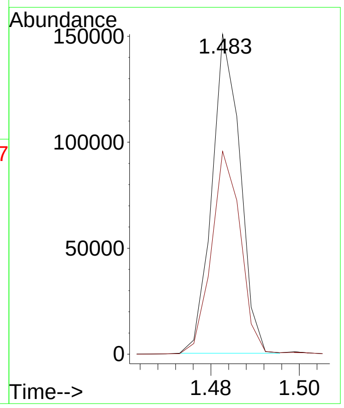
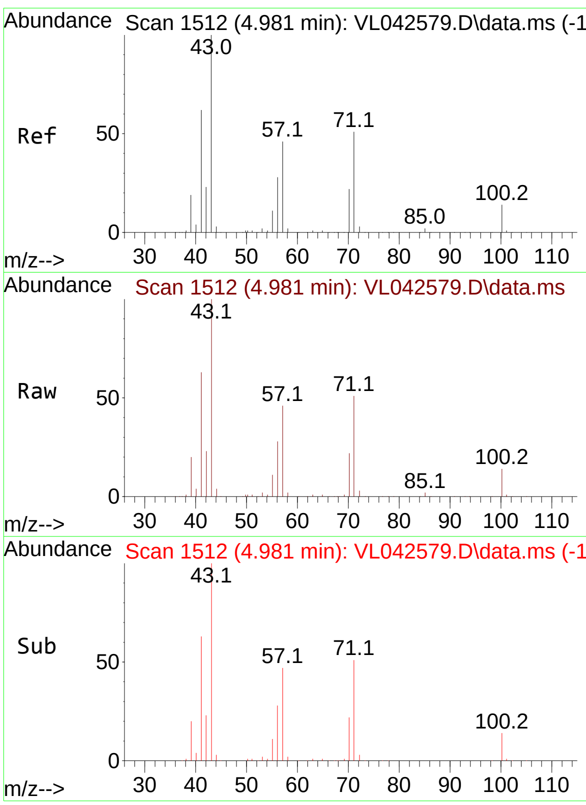
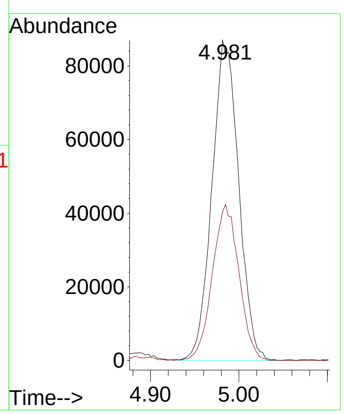


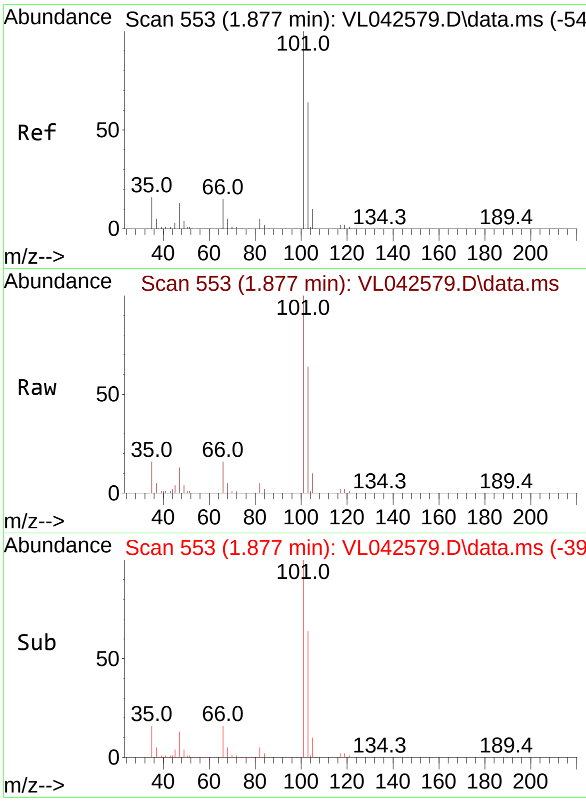


#10
Heptane
Concen: 9.236 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 182619

Ion	Ratio	Lower	Upper
43	100		
57	48.6	38.9	58.3





#11
Trichlorofluoromethane
Concen: 9.363 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 11005

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

Manual Integrations APPROVED

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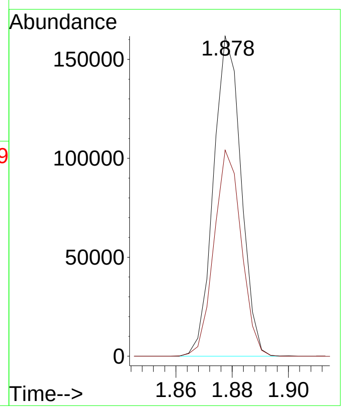
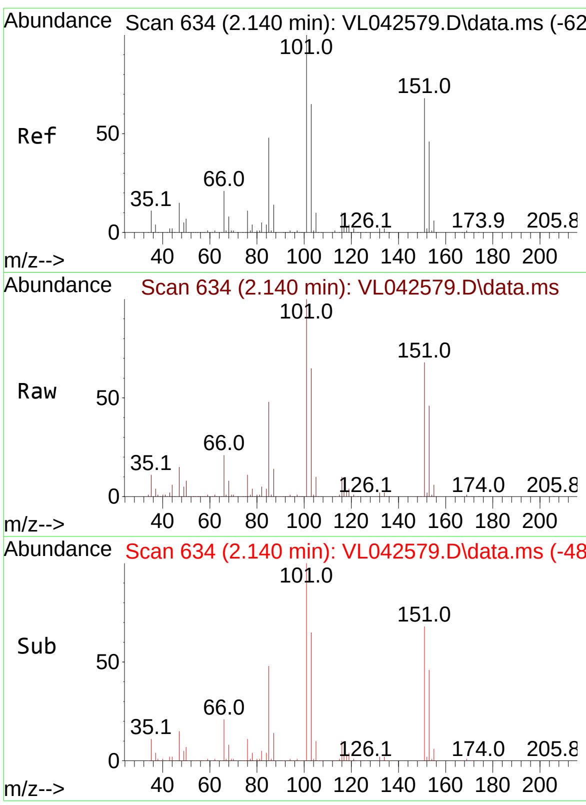
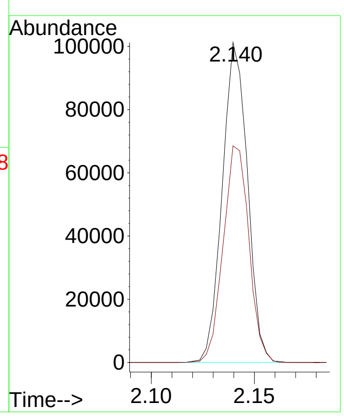


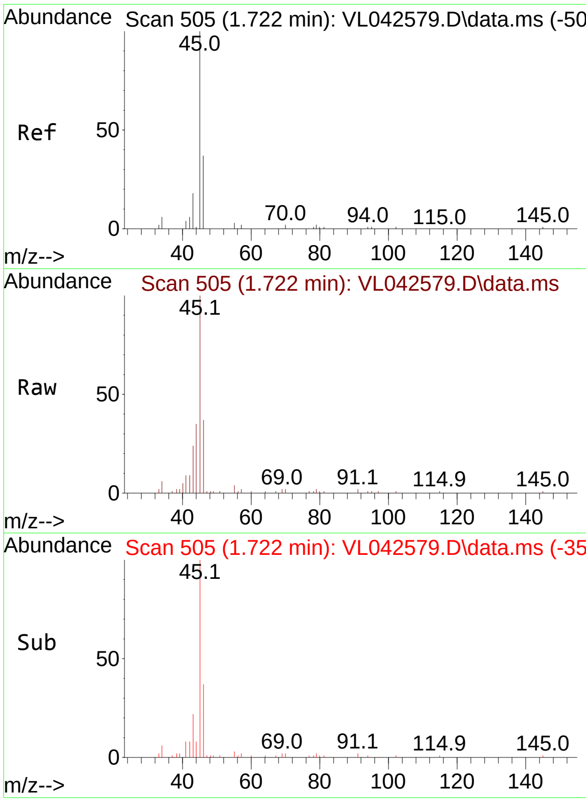


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.330 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:101 Resp: 86117

Ion	Ratio	Lower	Upper
101	100		
151	69.1	55.3	82.9





#13
Ethanol
Concen: 7.639 ppbv m
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 597

Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.5	58.1

Manual Integrations APPROVED

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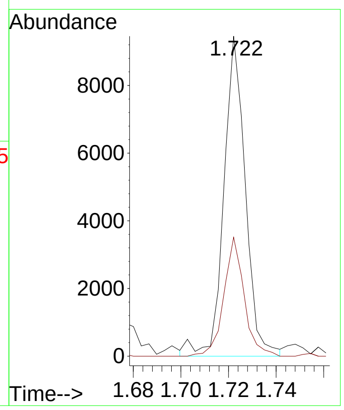
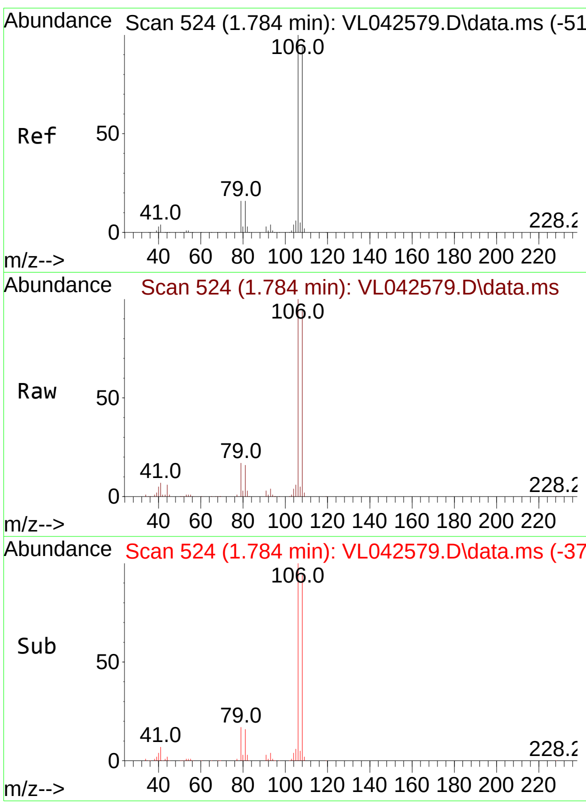
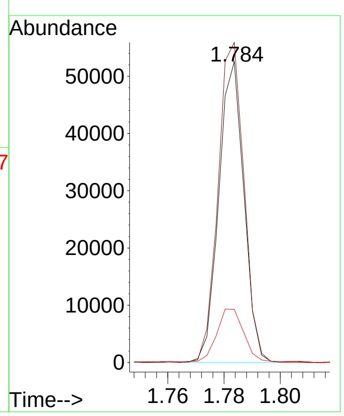


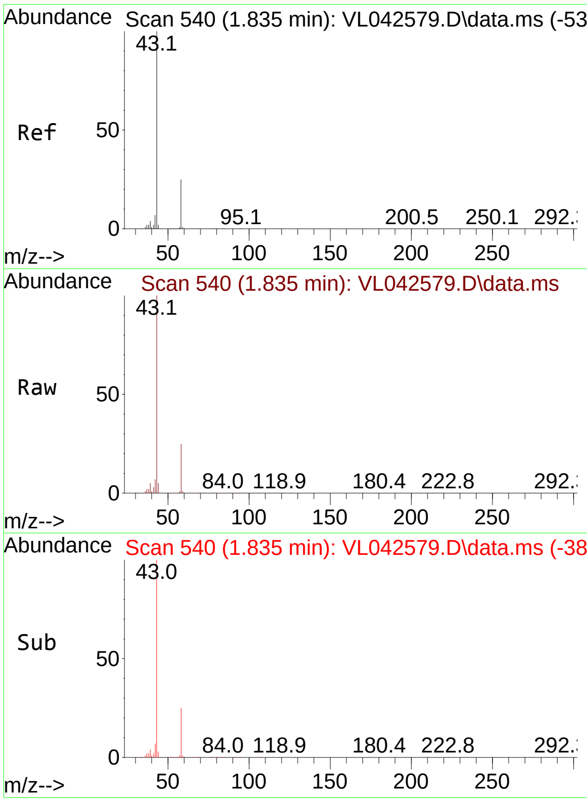


#14
Bromoethene
Concen: 9.386 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:108 Resp: 32588

Ion	Ratio	Lower	Upper
108	100		
106	109.9	87.9	131.9
79	19.5	15.6	23.4





#15
Acetone
Concen: 7.708 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 95441

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.0	31.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

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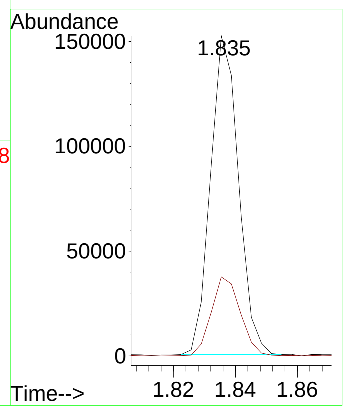
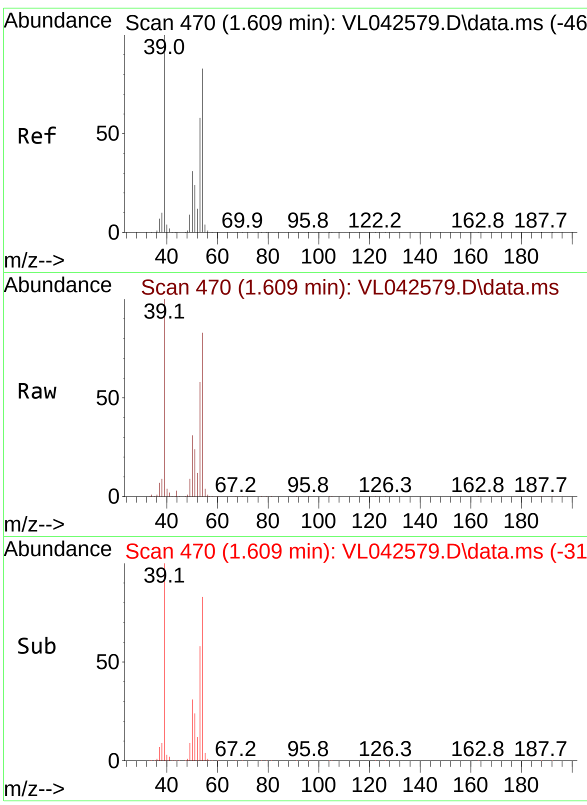
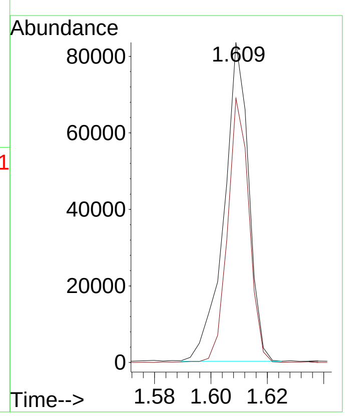


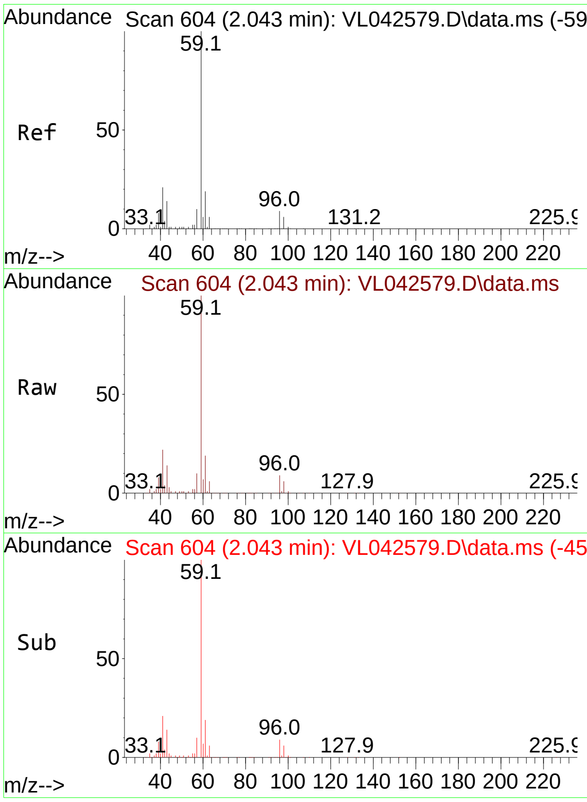


#16
1,3-Butadiene
Concen: 8.607 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 39 Resp: 50485

Ion	Ratio	Lower	Upper
39	100		
54	72.4	57.9	86.9





#17
tert-Butyl alcohol
Concen: 9.858 ppbv
RT: 2.043 min   Scan# 6
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 12716

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

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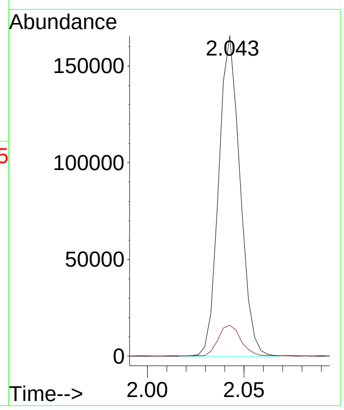
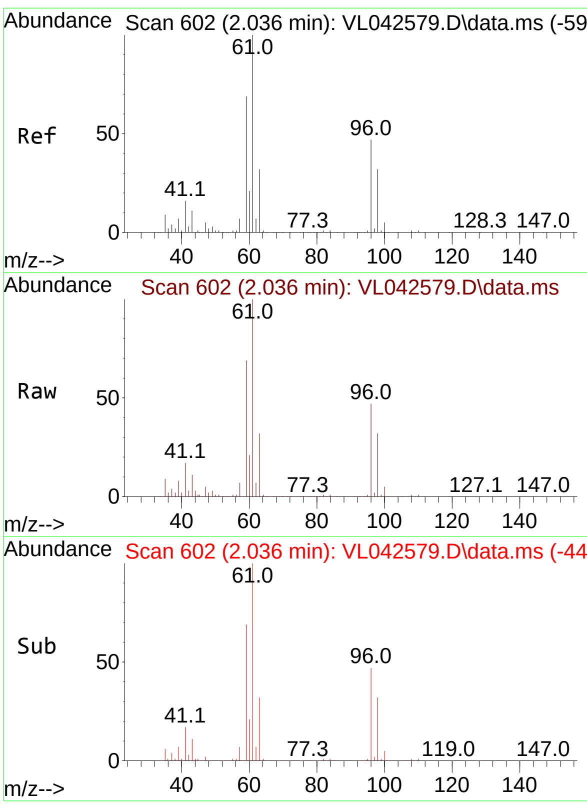
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

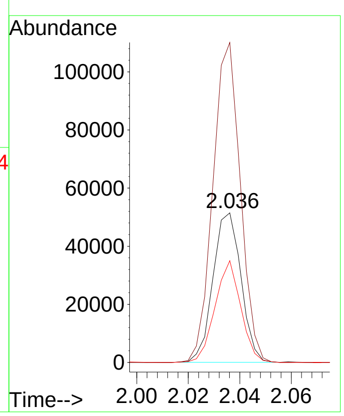


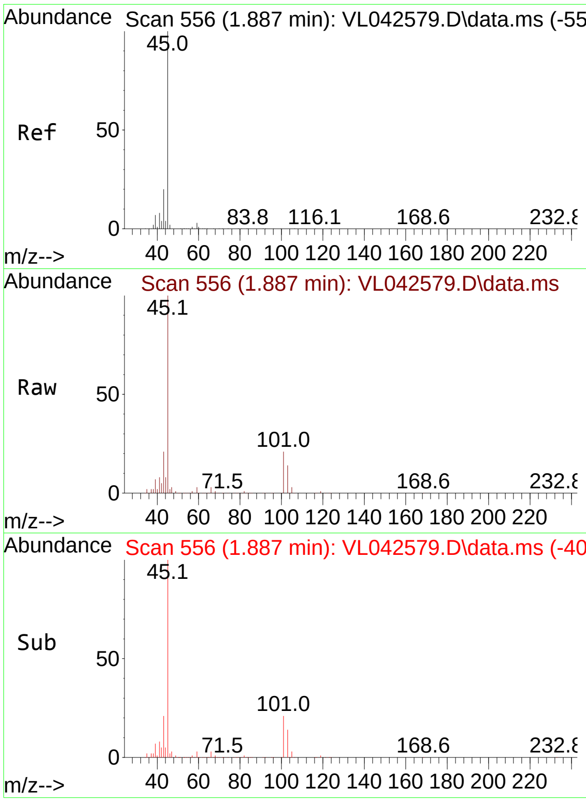


#18
1,1-Dichloroethene
Concen: 9.026 ppbv
RT: 2.036 min   Scan# 602
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 96 Resp: 38765

Ion	Ratio	Lower	Upper
96	100		
61	214.2	171.1	256.7
98	68.1	54.4	81.6





#19
Isopropyl Alcohol
Concen: 9.151 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 6773

Ion	Ratio	Lower	Upper
45	100		
58	36.8	29.4	44.2

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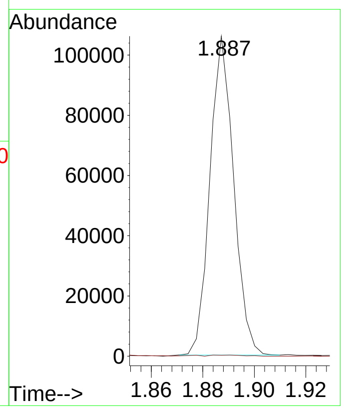
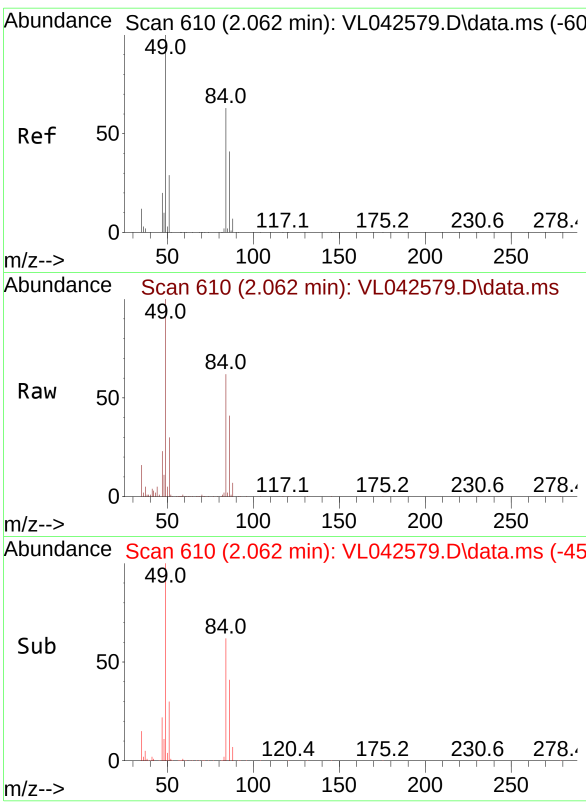
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

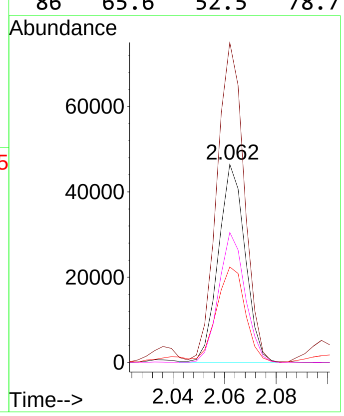


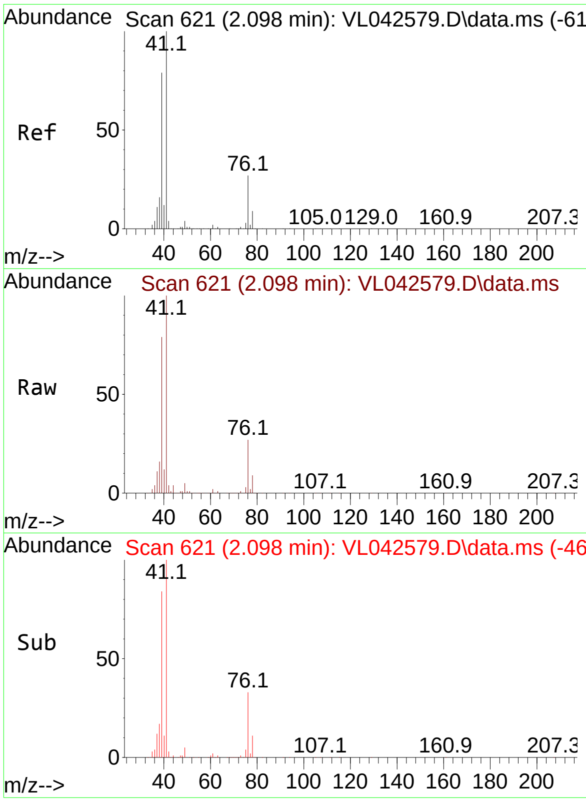


#20
Methylene Chloride
Concen: 8.209 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 84 Resp: 33544

Ion	Ratio	Lower	Upper
84	100		
49	161.0	128.8	193.2
51	48.2	38.6	57.8
86	65.6	52.5	78.7





#21
Allyl Chloride
Concen: 9.289 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 8115

Ion	Ratio	Lower	Upper
41	100		
76	26.5	21.2	31.8
39	76.1	60.9	91.3

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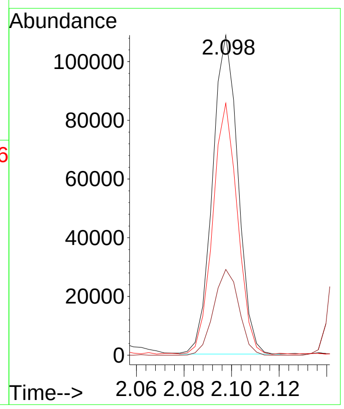
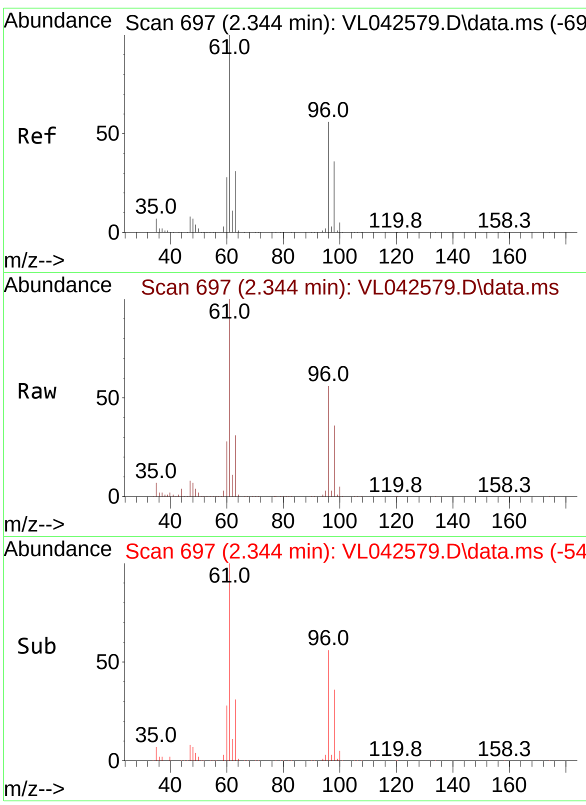
Supervised By :Mahesh Dadoda 05/30/2025

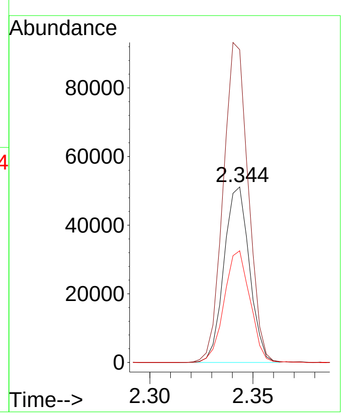


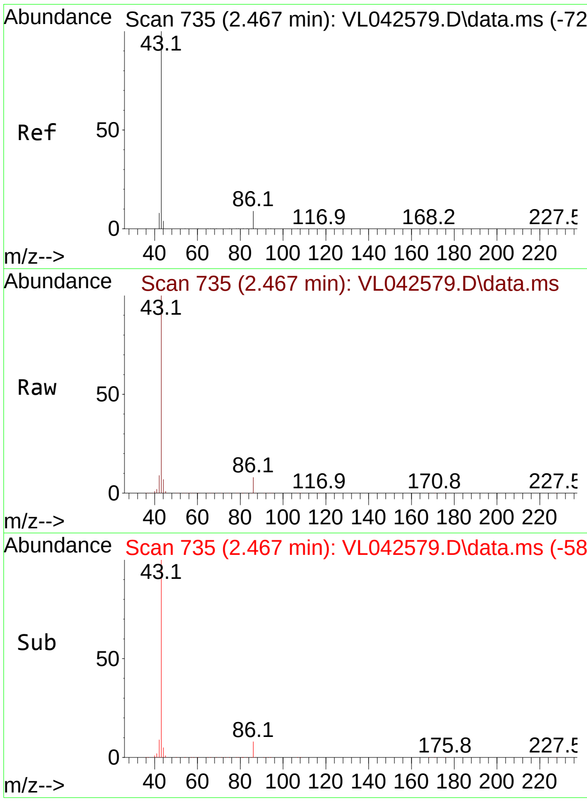


#22
trans-1,2-Dichloroethene
Concen: 9.165 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 96 Resp: 43936

Ion	Ratio	Lower	Upper
96	100		
61	178.3	142.6	214.0
98	63.7	51.0	76.4





#23
Vinyl Acetate
Concen: 8.954 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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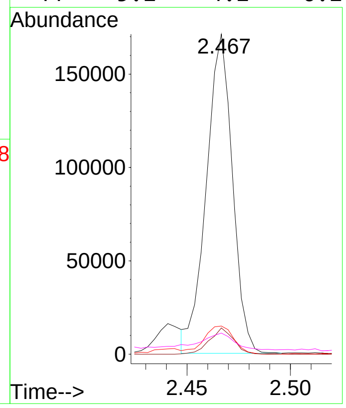
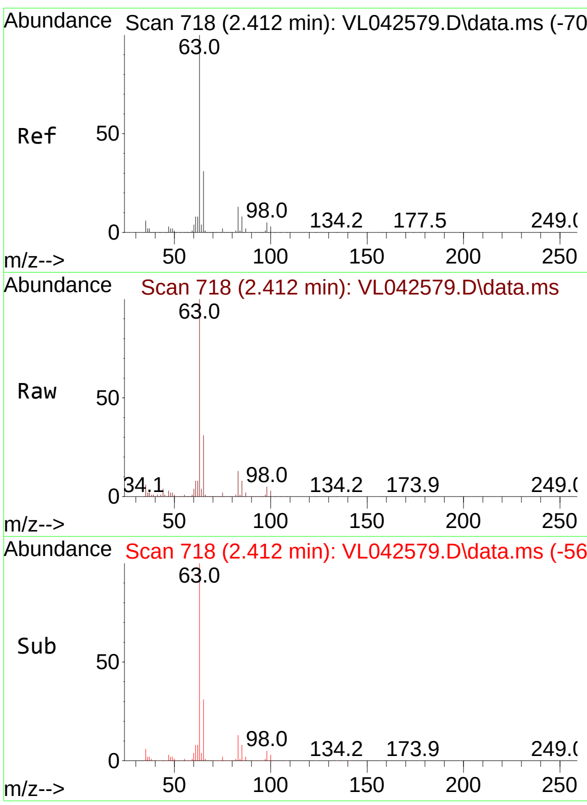
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion: 43 Resp: 14985

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.7	7.0	10.4
44	5.2	4.2	6.2

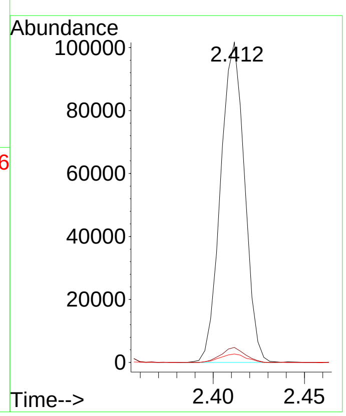


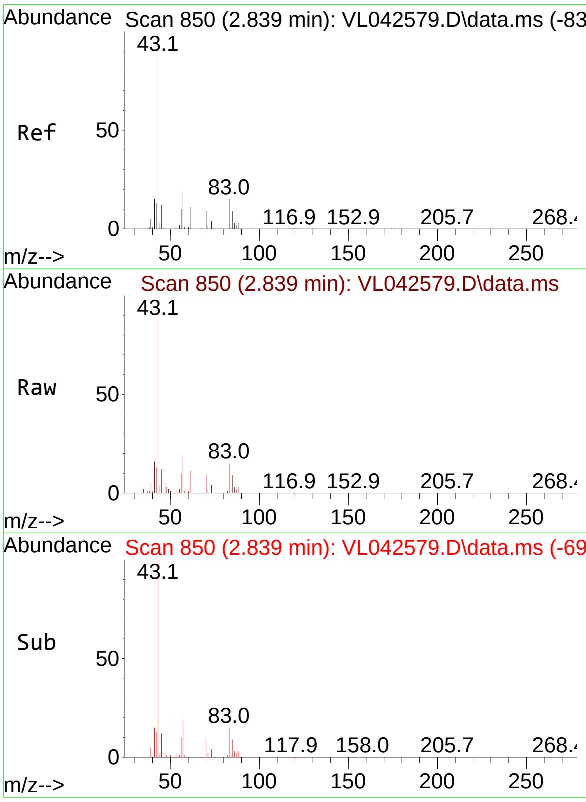


#24
1,1-Dichloroethane
Concen: 9.442 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 63 Resp: 92836

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.7	1.4	4.0





#25
Ethyl Acetate
Concen: 9.264 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 31391

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	8.9	7.1	10.7
70	8.0	6.4	9.6

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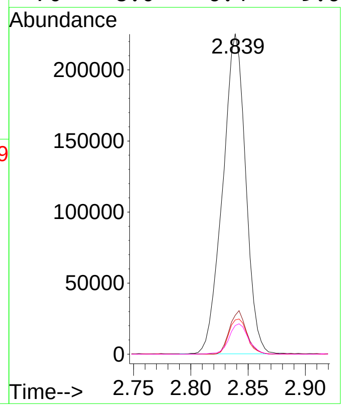
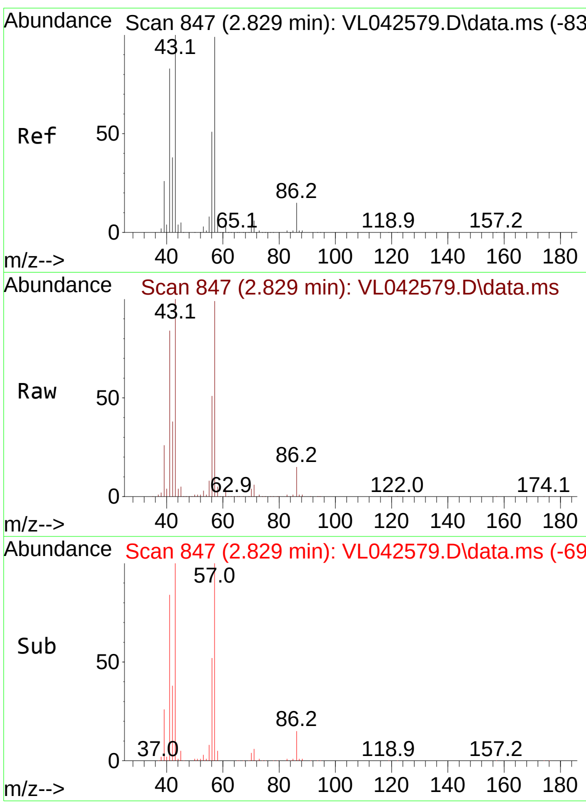
Supervised By :Mahesh Dadoda 05/30/2025

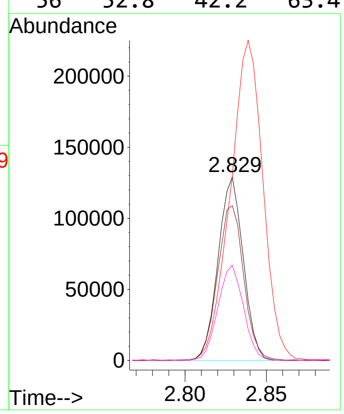


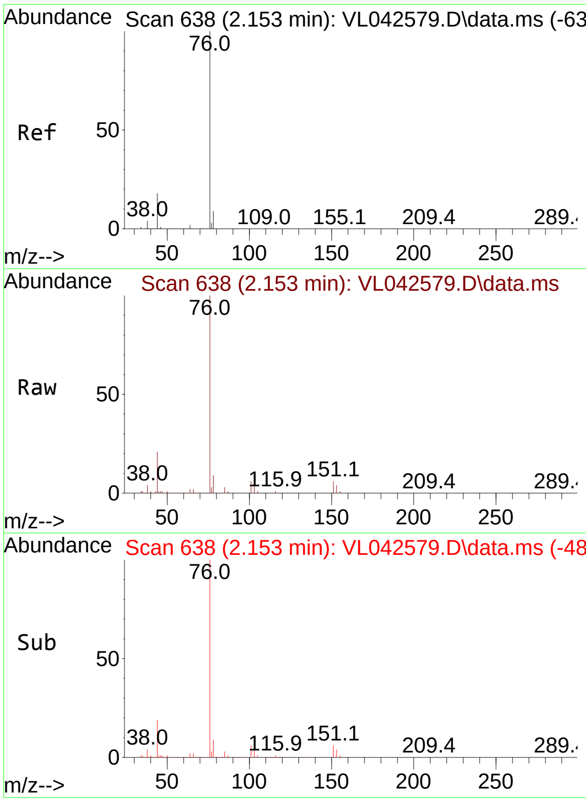


#26
Hexane
Concen: 9.013 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 57 Resp: 138771

Ion	Ratio	Lower	Upper
57	100		
41	88.3	70.6	106.0
43	226.4	181.1	271.7
56	52.8	42.2	63.4





#27
Carbon Disulfide
Concen: 9.298 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 76 Resp: 10990

Ion	Ratio	Lower	Upper
76	100		
44	26.6	21.3	31.9
78	11.7	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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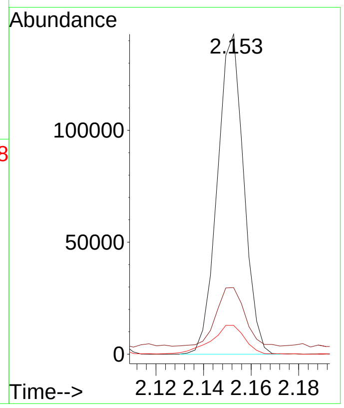
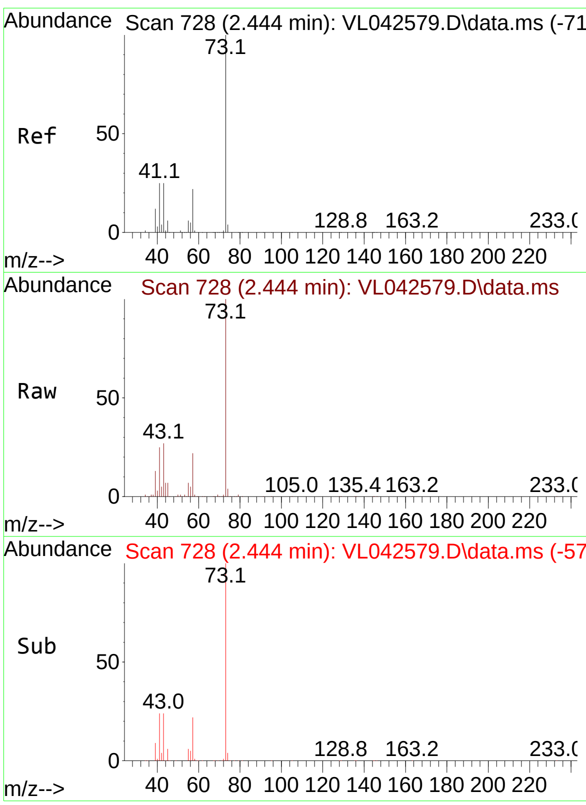
Supervised By :Mahesh Dadoda 05/30/2025

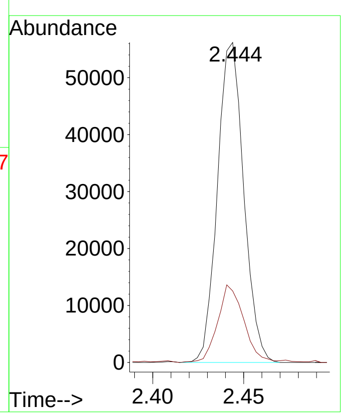


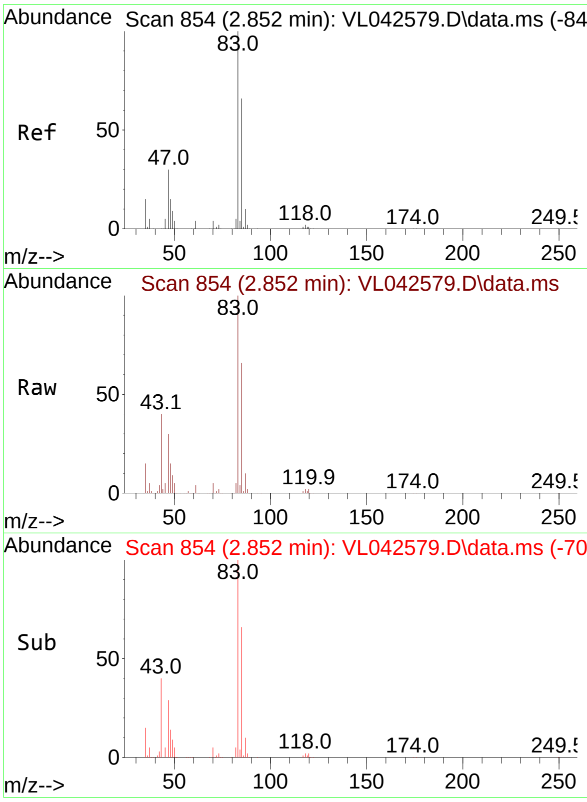


#28
Methyl tert-Butyl Ether
Concen: 9.045 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 73 Resp: 56510

Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.9	29.9





#29
Chloroform
Concen: 9.013 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 83 Resp: 180449

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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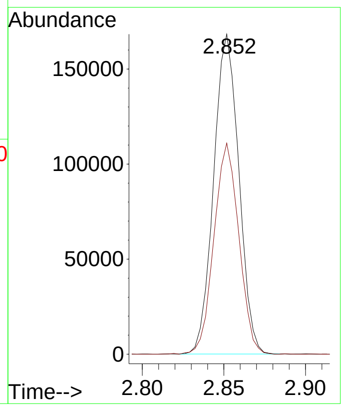
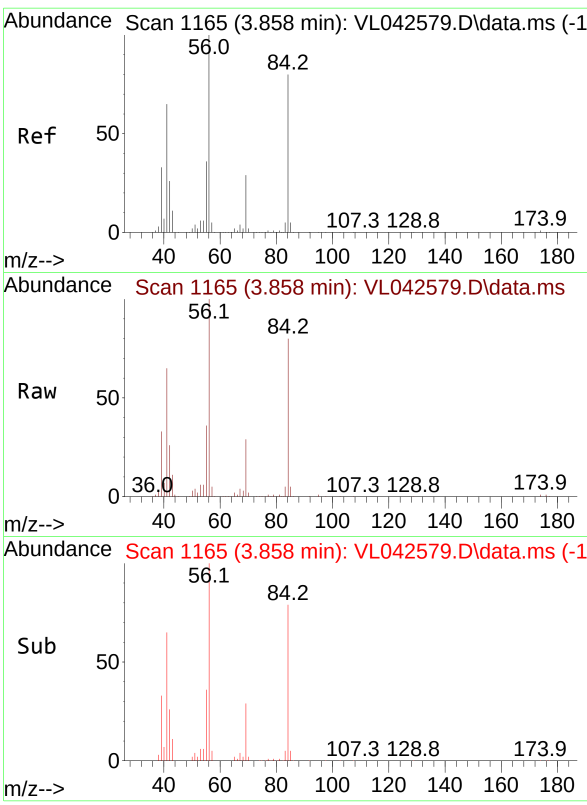
Supervised By :Mahesh Dadoda 05/30/2025

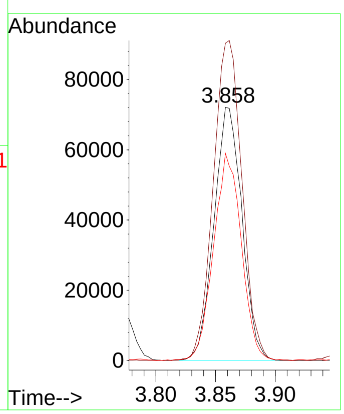


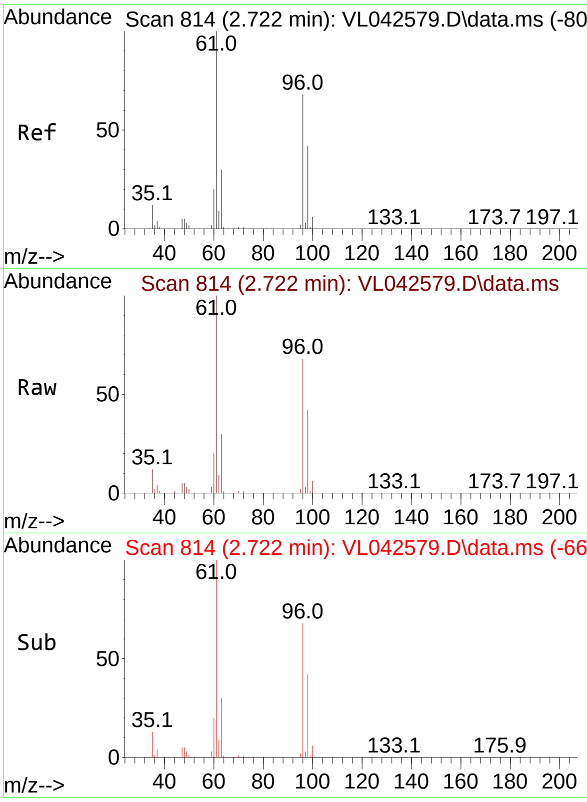


#30
Cyclohexane
Concen: 9.232 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 84 Resp: 117833

Ion	Ratio	Lower	Upper
84	100		
56	129.7	103.7	155.5
41	81.2	65.1	97.7





#31
cis-1,2-Dichloroethene
Concen: 9.274 ppbv
RT: 2.722 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 130618

Ion	Ratio	Lower	Upper
61	100		
96	68.1	54.5	81.7
98	41.8	33.4	50.2

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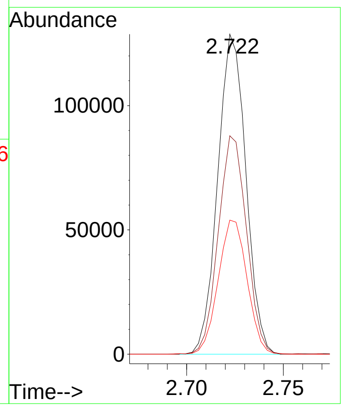
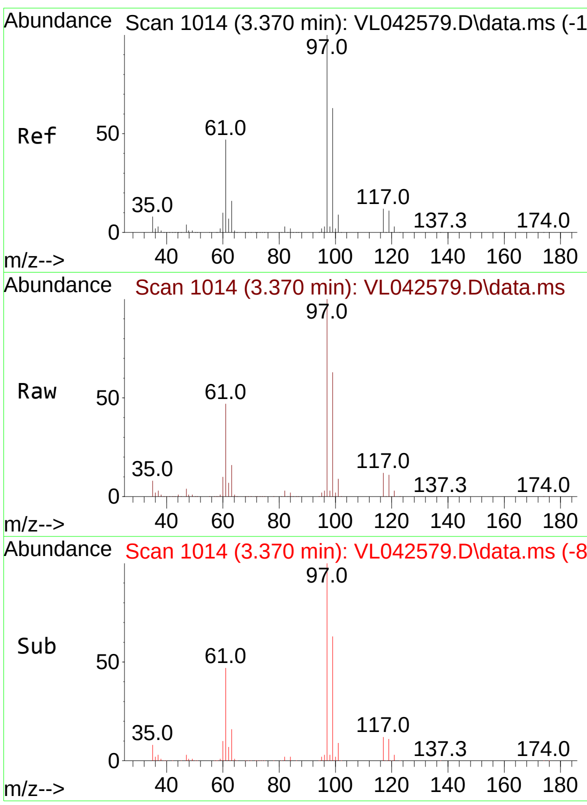
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

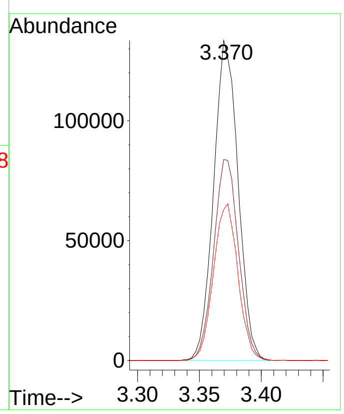


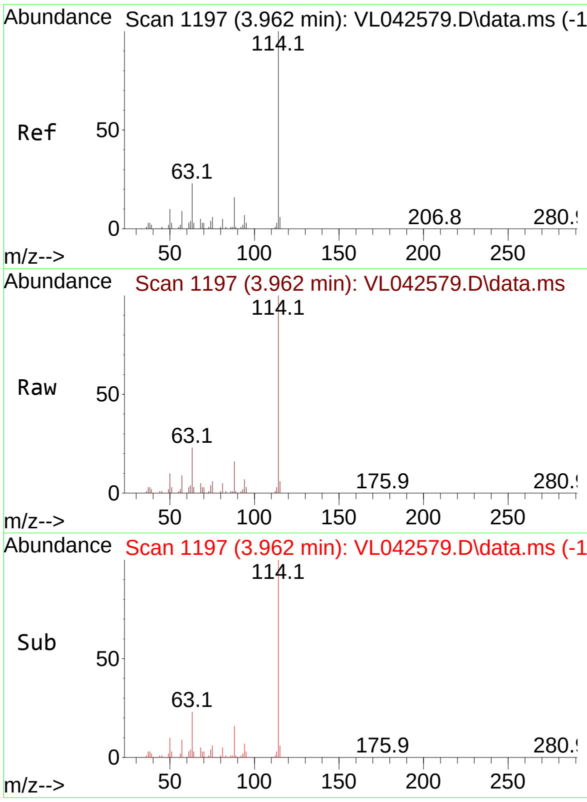


#32
1,1,1-Trichloroethane
Concen: 9.177 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 97 Resp: 184372

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	49.2	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:114 Resp: 30785

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.6
88	17.0	13.6	20.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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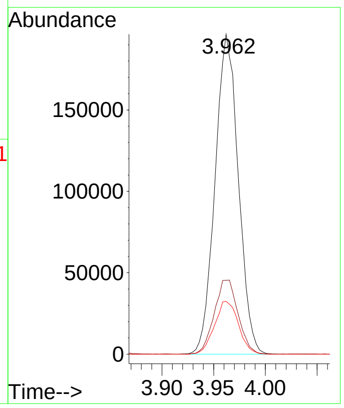
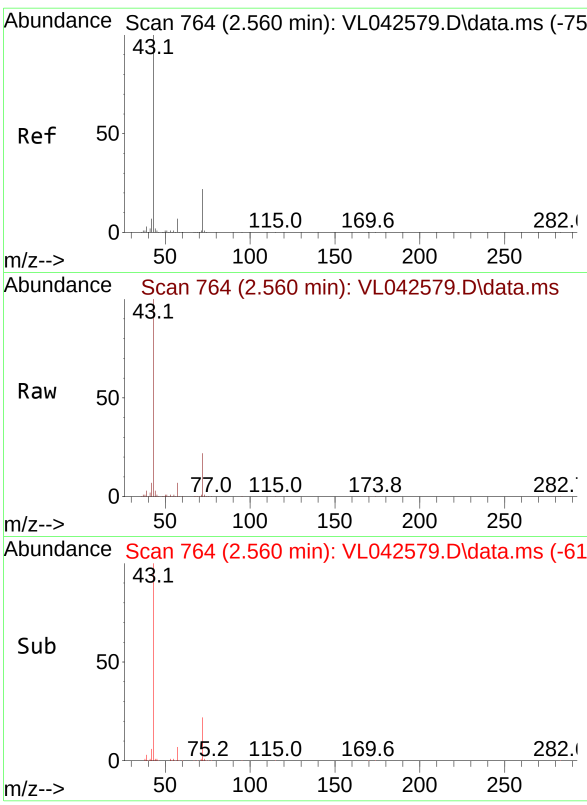
Supervised By :Mahesh Dadoda 05/30/2025

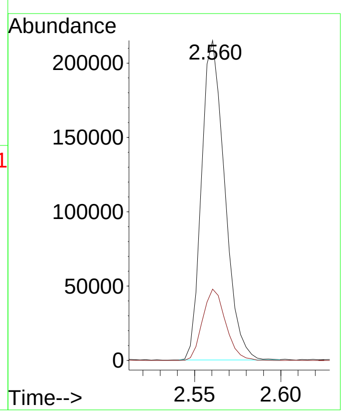


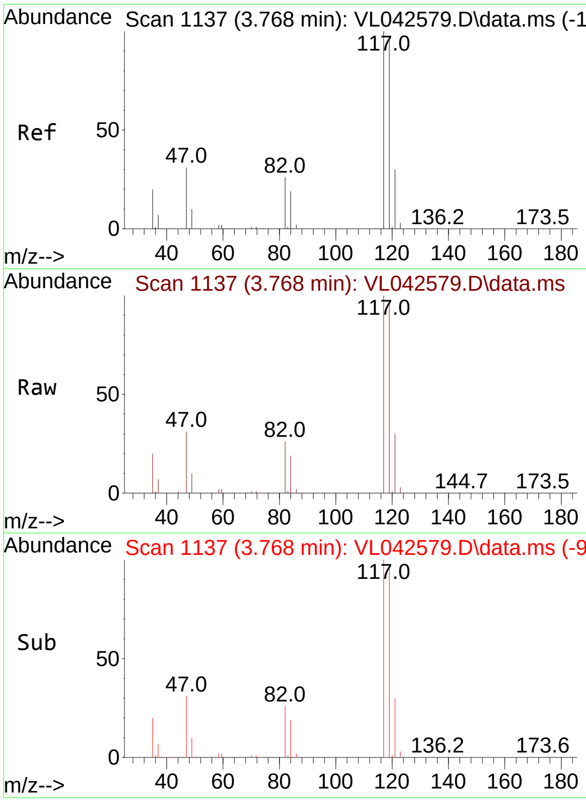


#34
2-Butanone
Concen: 9.192 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 201796

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5





#35
Carbon Tetrachloride
Concen: 9.132 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:117 Resp: 18562

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.4	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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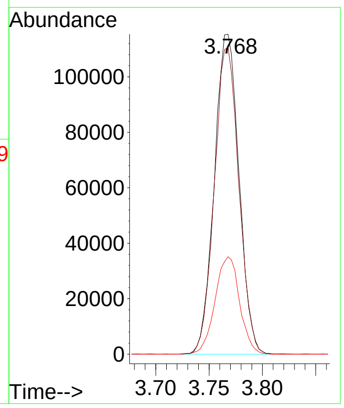
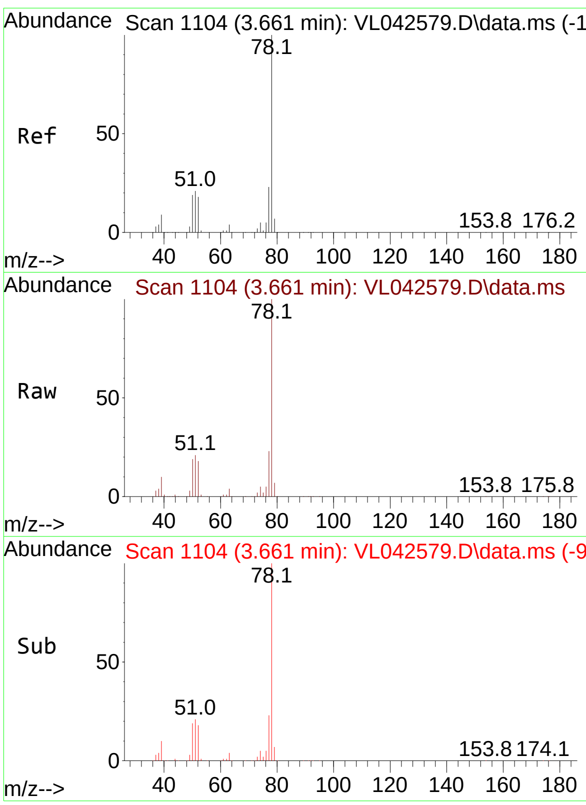
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

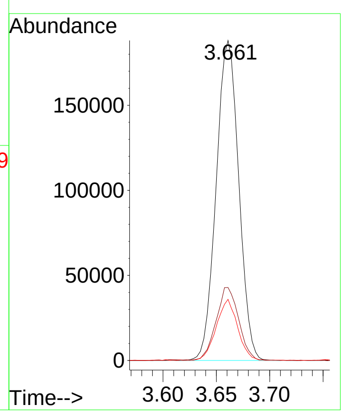


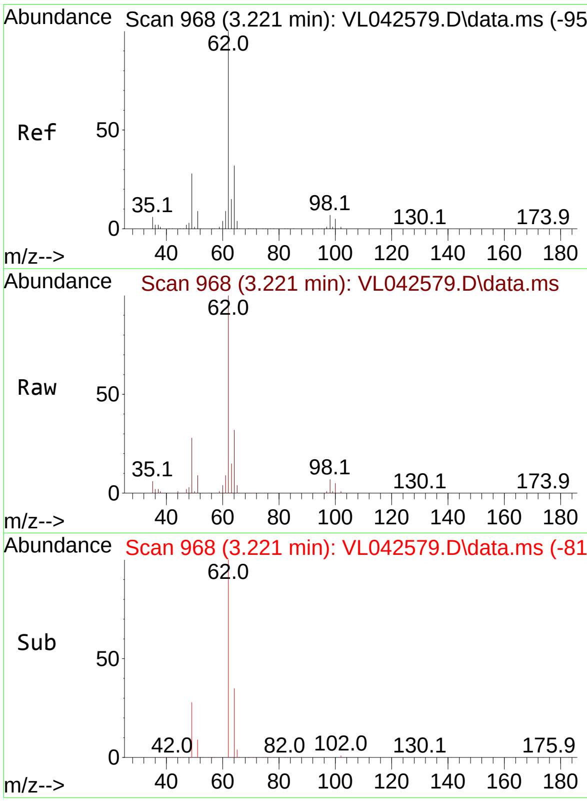


#36
Benzene
Concen: 9.142 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 78 Resp: 277132

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	19.0	15.2	22.8





#37
1,2-Dichloroethane
Concen: 9.153 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

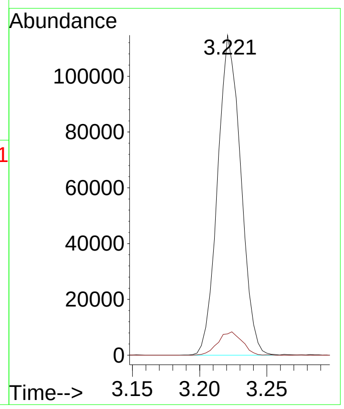
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

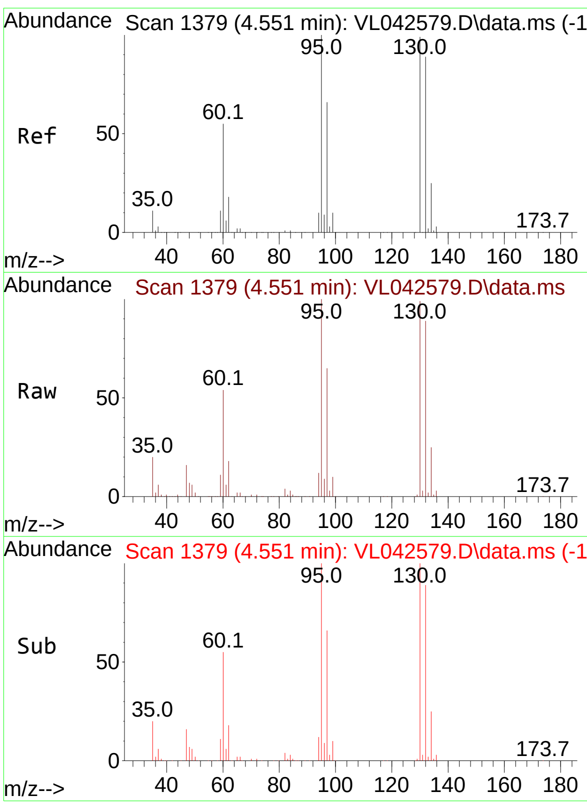
Tgt Ion: 62 Resp: 13791

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

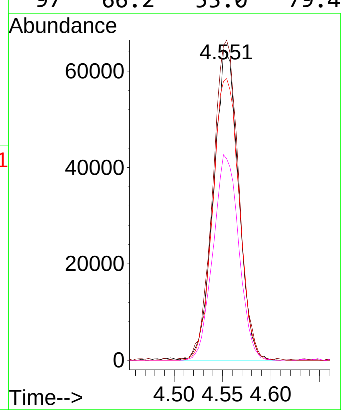


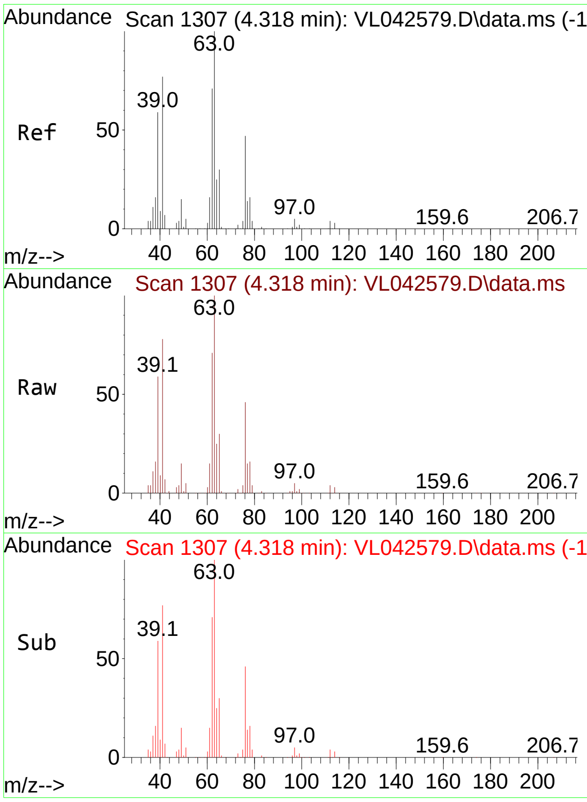


#38
Trichloroethene
Concen: 8.916 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:130 Resp: 115772

Ion	Ratio	Lower	Upper
130	100		
95	100.8	80.6	121.0
132	89.7	71.8	107.6
97	66.2	53.0	79.4





#39
1,2-Dichloropropane
Concen: 9.029 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 63 Resp: 10118

Ion	Ratio	Lower	Upper
63	100		
41	77.2	61.8	92.6
62	70.8	56.6	85.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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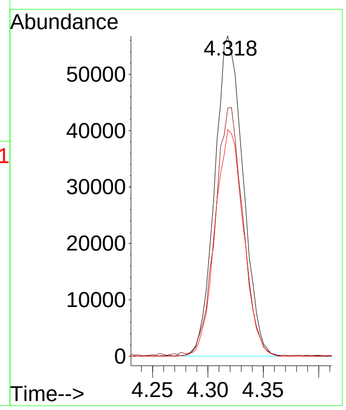
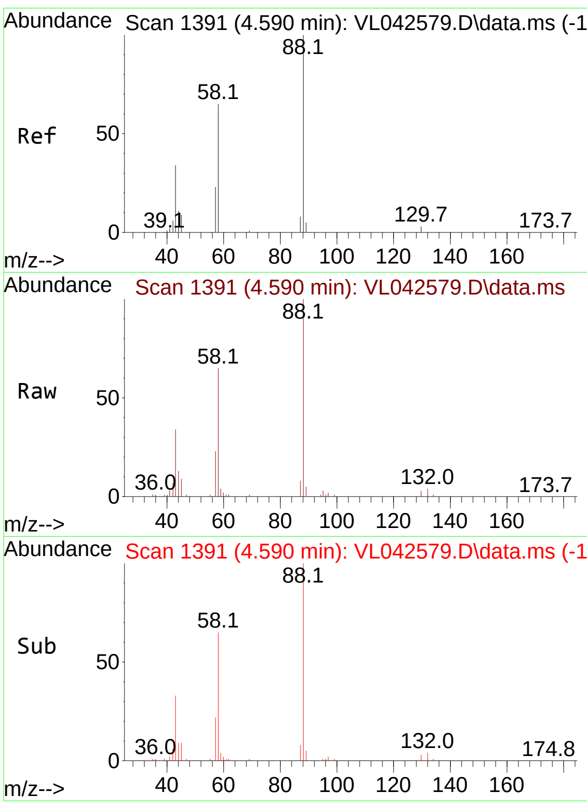
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

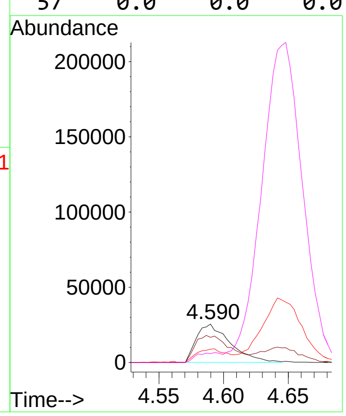


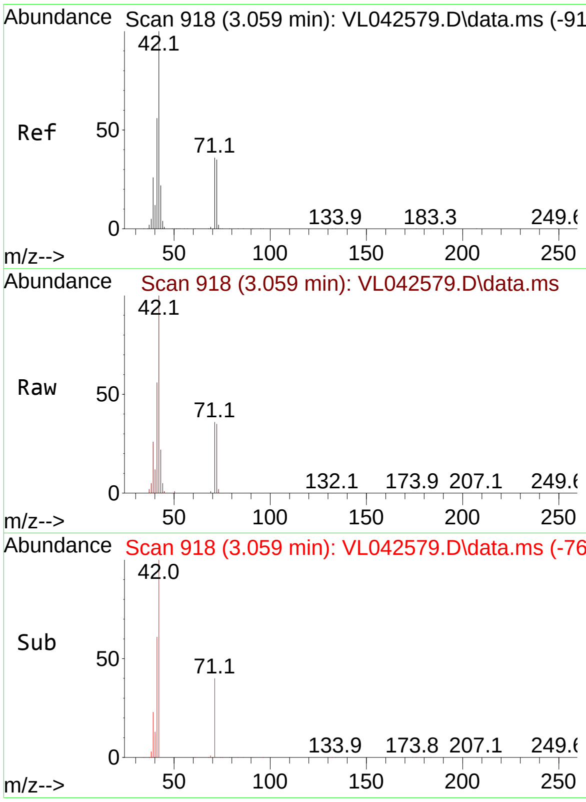


#40
1,4-Dioxane
Concen: 9.797 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 88 Resp: 46671

Ion	Ratio	Lower	Upper
88	100		
58	69.8	55.8	83.8
43	31.0	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.301 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 42 Resp: 11953

Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.9	43.3
71	35.5	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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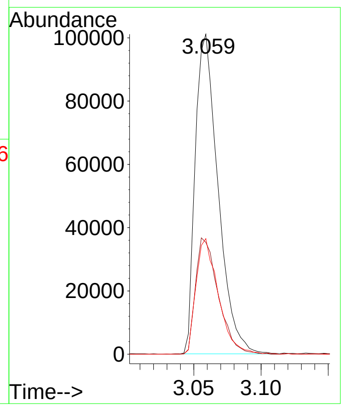
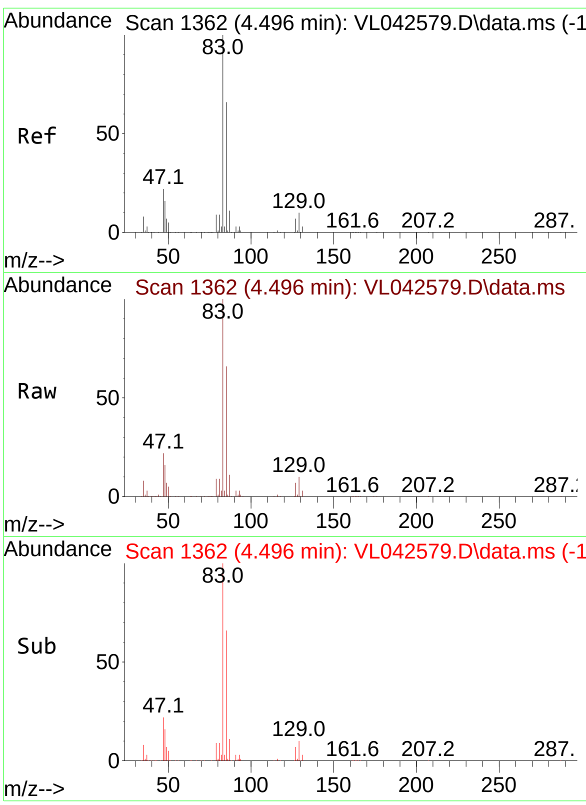
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

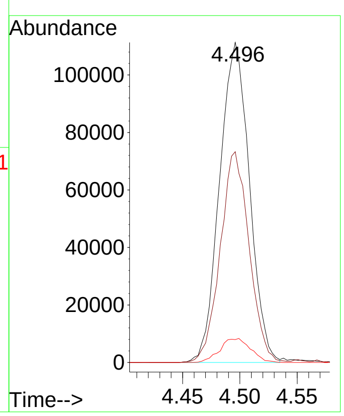


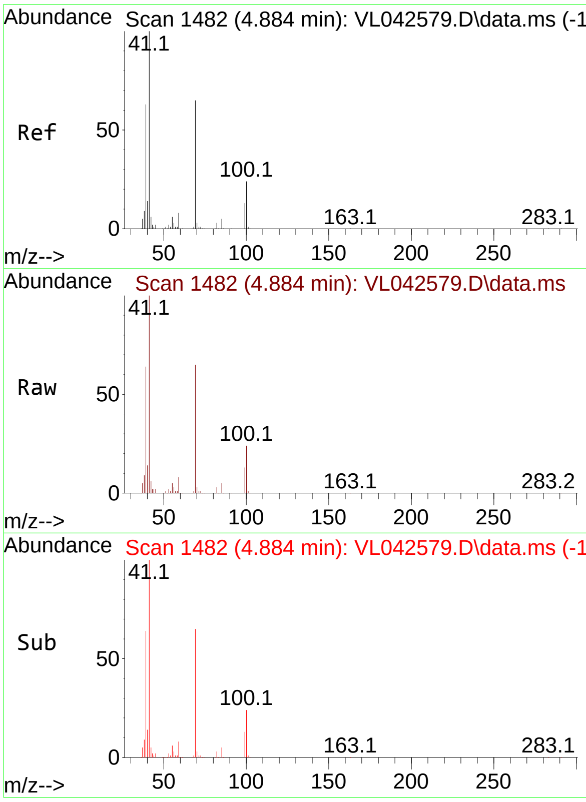


#42
Bromodichloromethane
Concen: 9.441 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 83 Resp: 202026

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1
127	7.2	5.8	8.6





#43
Methyl Methacrylate
Concen: 9.595 ppbv
RT: 4.884 min   Scan# 14
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 11274

Ion	Ratio	Lower	Upper
69	100		
41	155.4	124.6	187.0
100	37.3	29.9	44.9

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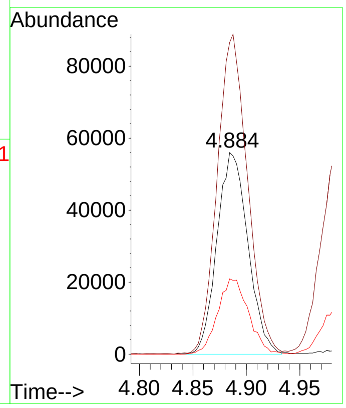
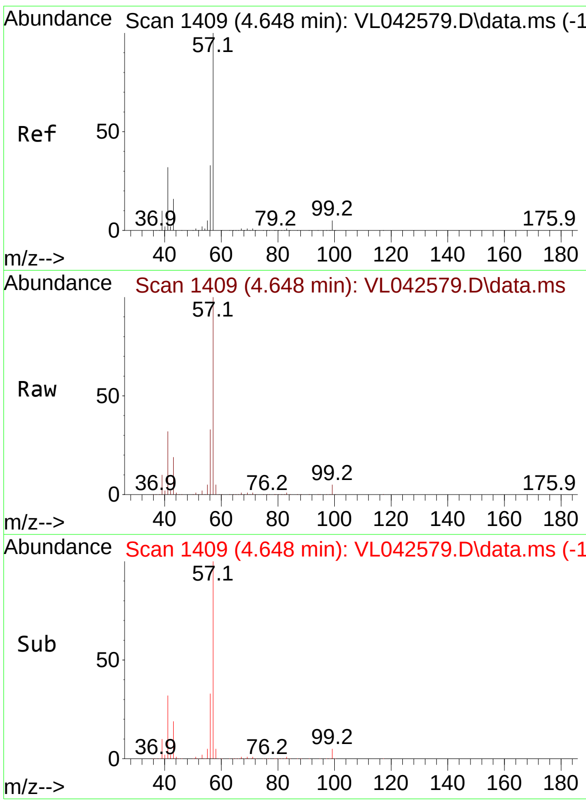
Supervised By :Mahesh Dadoda   05/30/2025

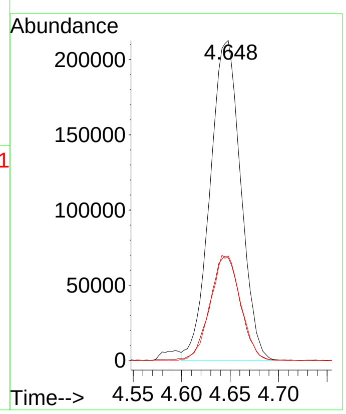


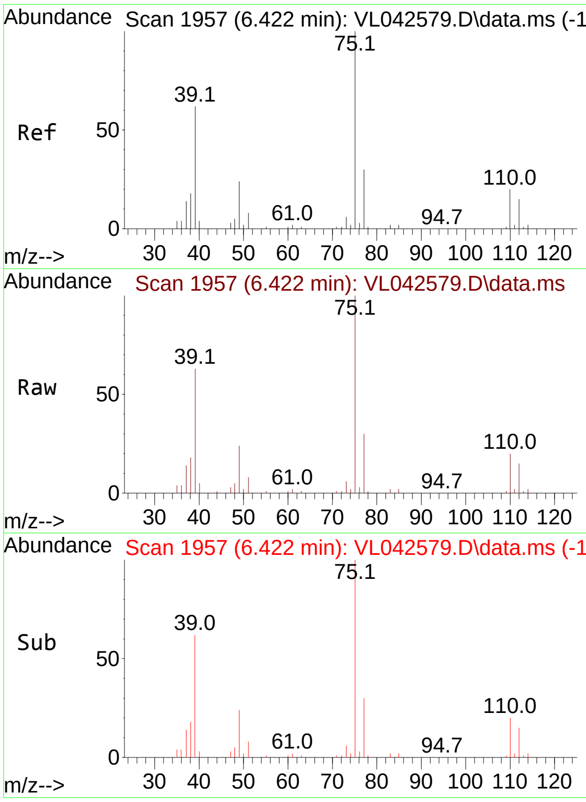


#44
2,2,4-Trimethylpentane
Concen: 9.043 ppbv
RT: 4.648 min   Scan# 1409
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 57 Resp: 468572

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.1	39.1
56	32.4	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 9.700 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 75 Resp: 13061

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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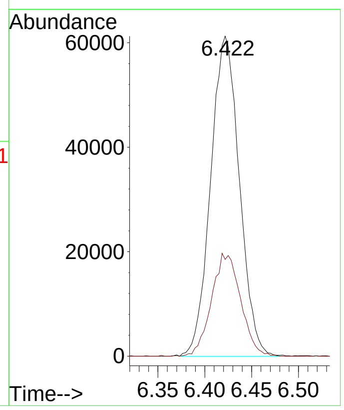
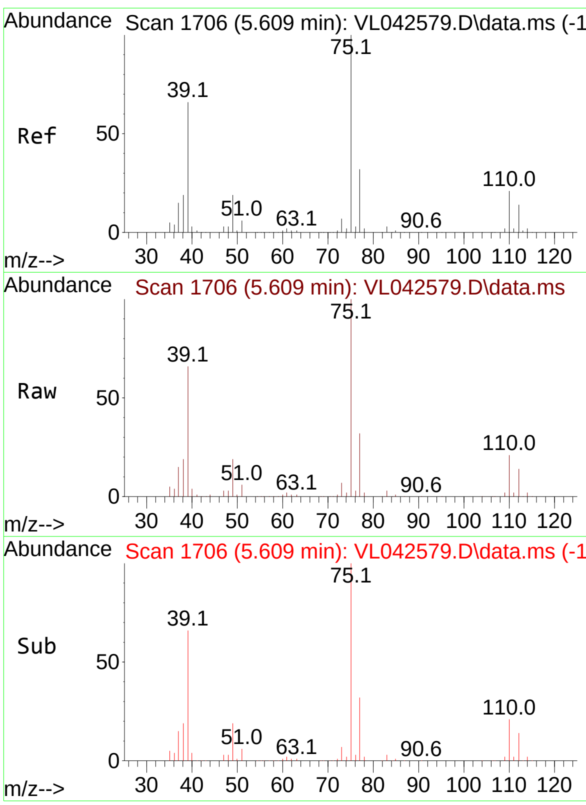
Supervised By :Mahesh Dadoda 05/30/2025

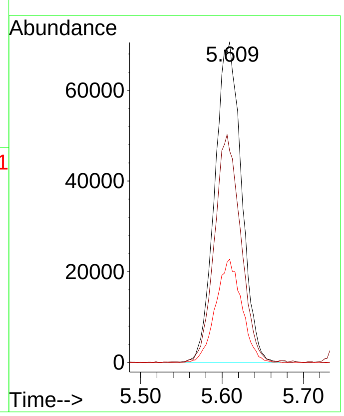


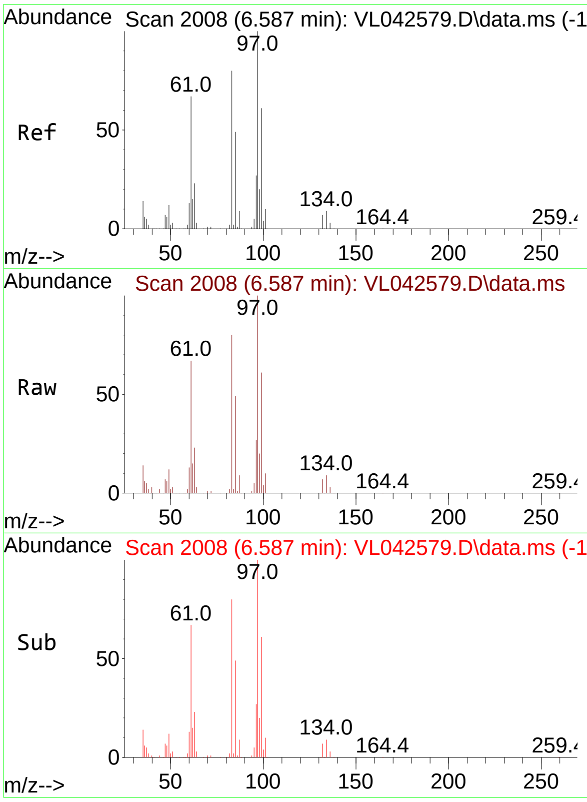


#46
cis-1,3-Dichloropropene
Concen: 9.614 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 75 Resp: 162155

Ion	Ratio	Lower	Upper
75	100		
39	65.9	52.7	79.1
77	32.3	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 9.097 ppbv
RT: 6.587 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 97 Resp: 10557(

Ion	Ratio	Lower	Upper
97	100		
83	79.9	63.9	95.9
85	49.0	39.2	58.8
99	61.2	49.0	73.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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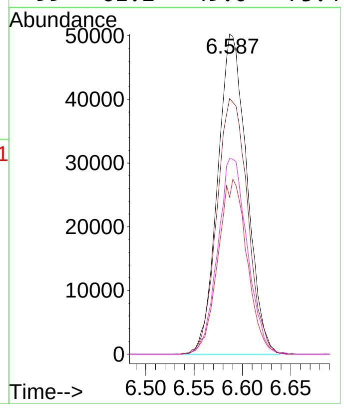
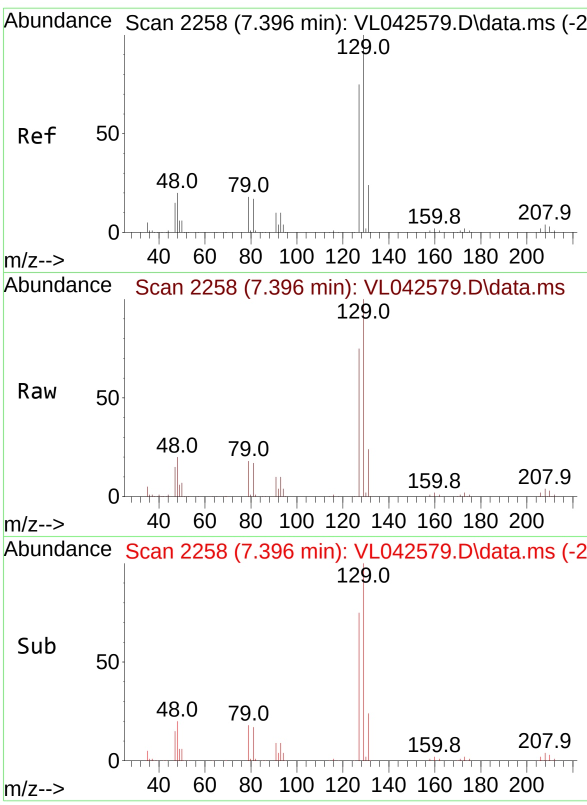
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

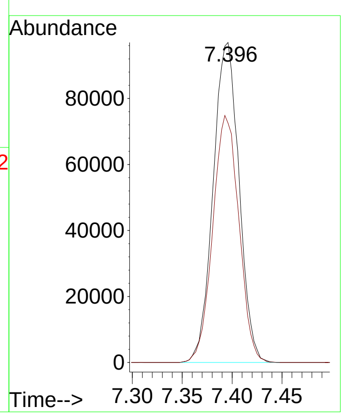


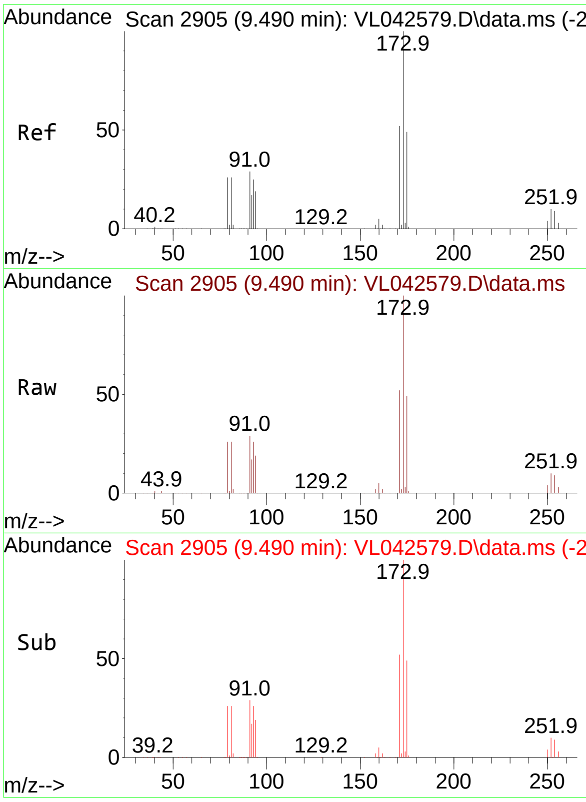


#48
Dibromochloromethane
Concen: 9.450 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:129 Resp: 175572

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	116.9





#49
Bromoform
Concen: 9.751 ppbv
RT: 9.490 min   Scan# 2
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion:173 Resp: 15631

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
171	51.5	41.2	61.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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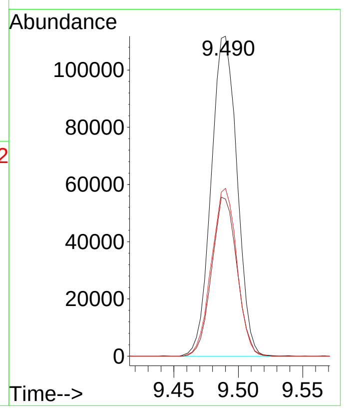
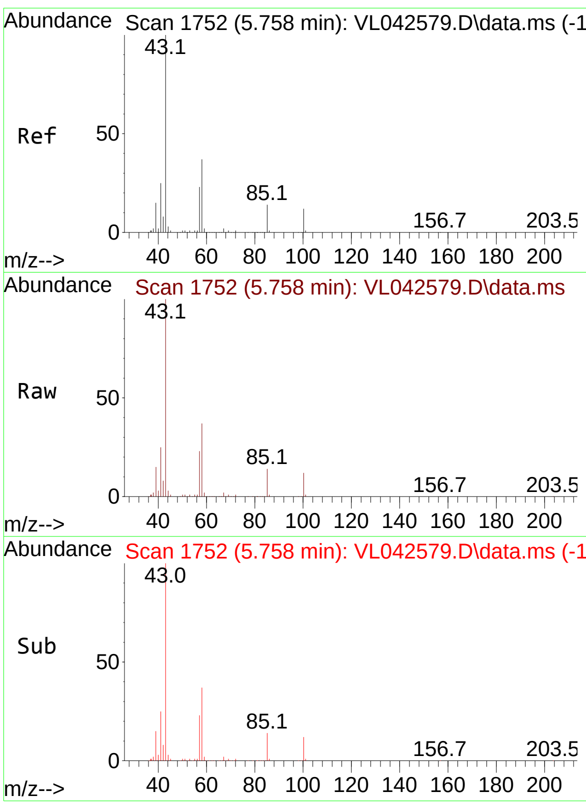
Supervised By :Mahesh Dadoda   05/30/2025

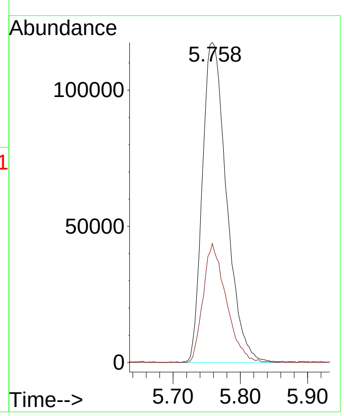


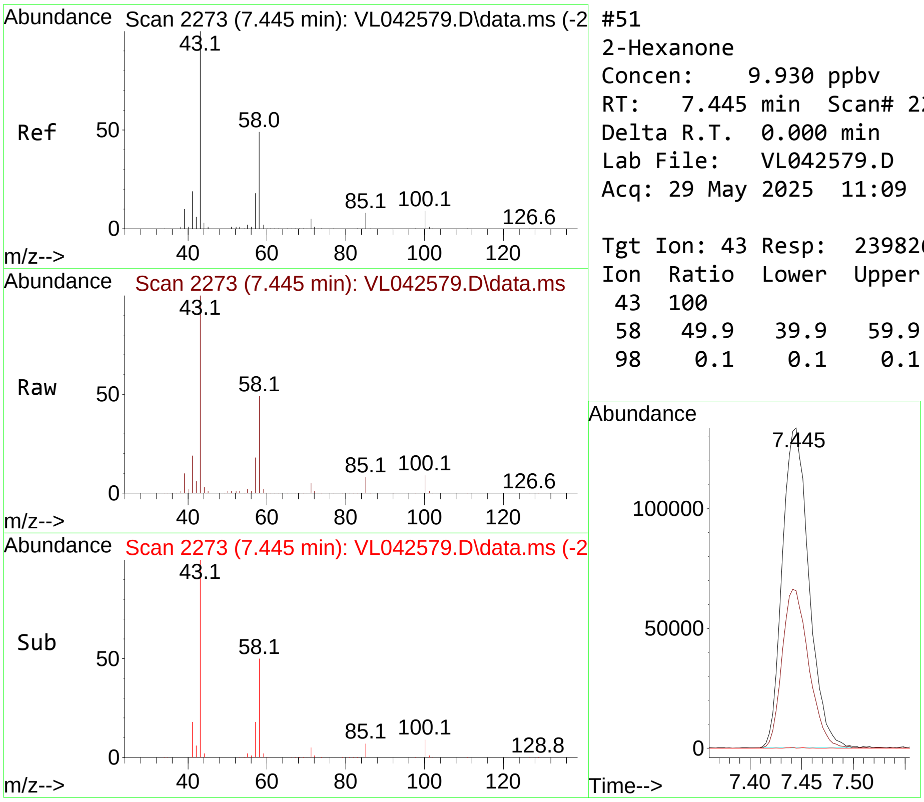


#50
4-Methyl-2-Pentanone
Concen: 9.643 ppbv
RT: 5.758 min   Scan# 1752
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 43 Resp: 294836

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.3	42.5





#51
2-Hexanone
Concen: 9.930 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 239820

Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.9	59.9
98	0.1	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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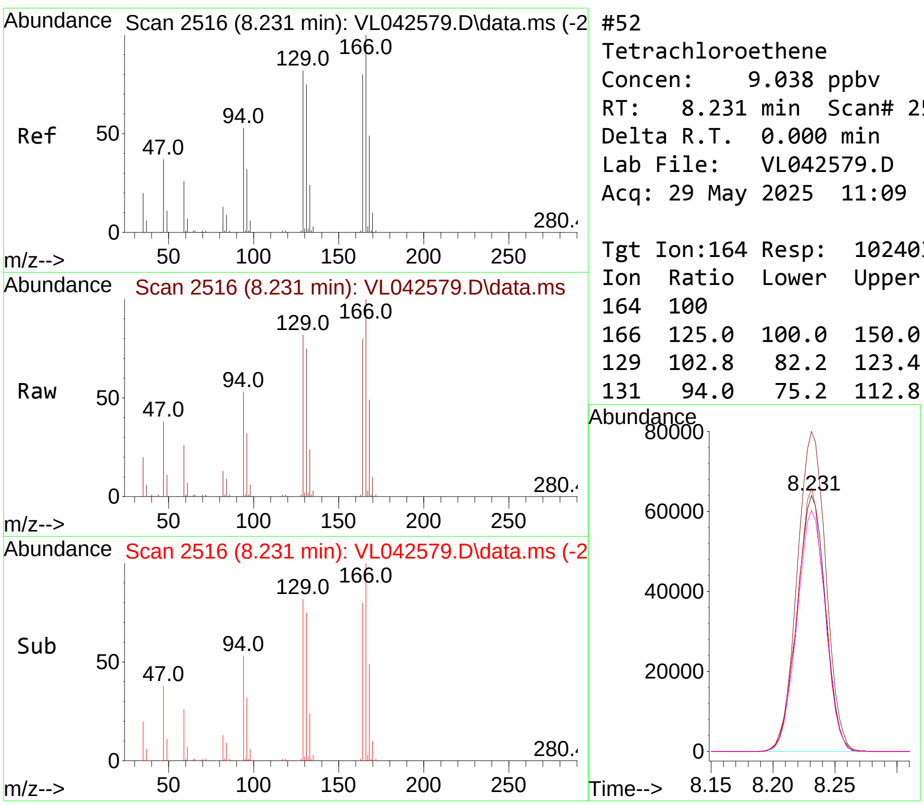
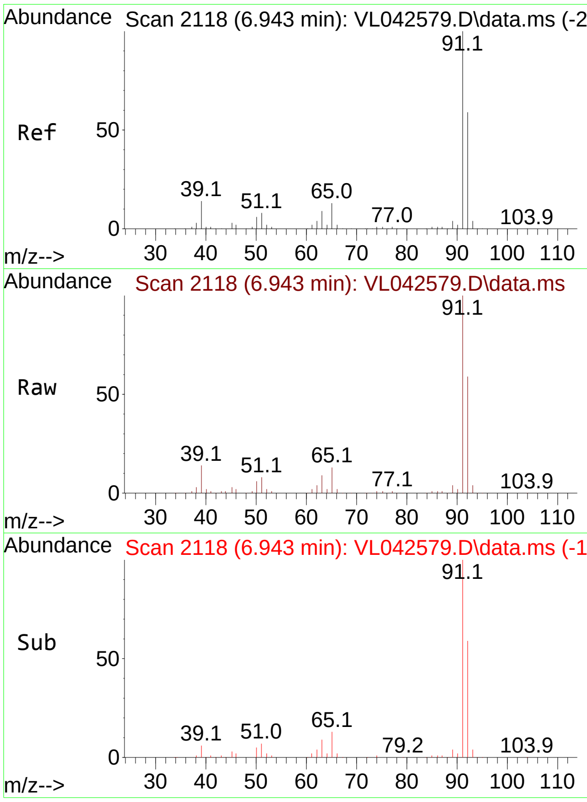
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#52
Tetrachloroethene
Concen: 9.038 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:164 Resp: 102403

Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.0	150.0
129	102.8	82.2	123.4
131	94.0	75.2	112.8



#53
Toluene
Concen: 9.264 ppbv
RT: 6.943 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 32460

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.2	72.4

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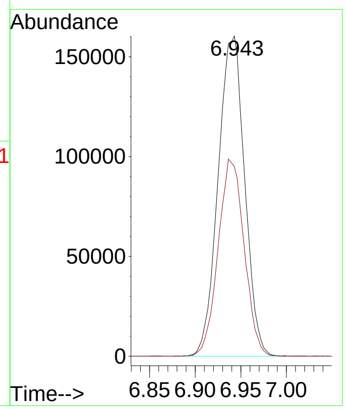
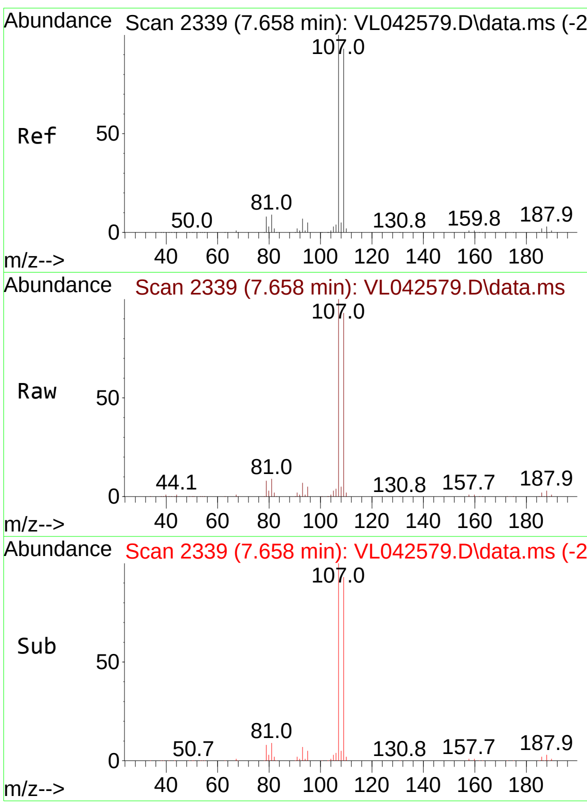
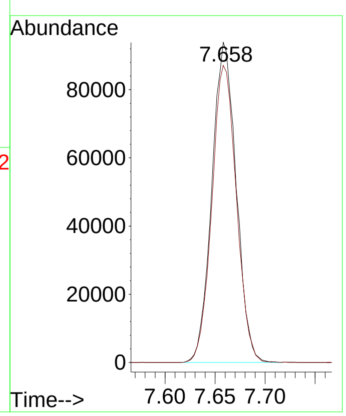


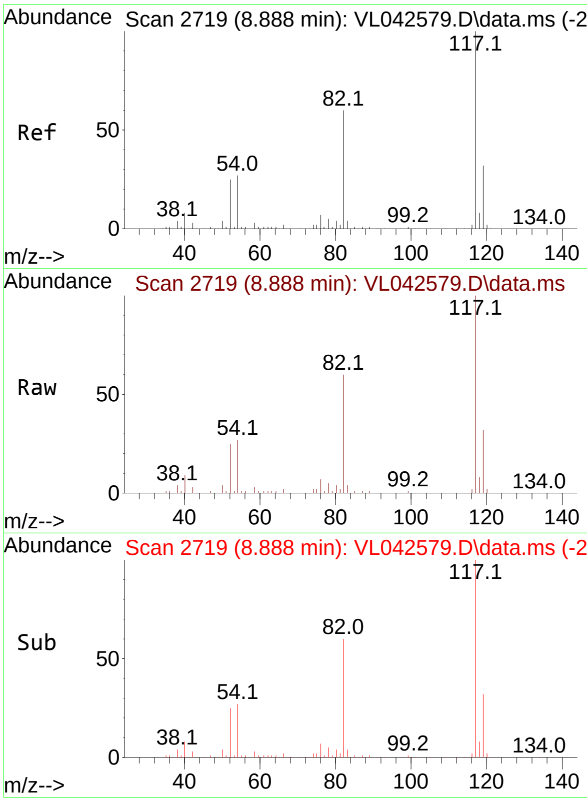


#54
1,2-Dibromoethane
Concen: 9.231 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:107 Resp: 158813

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 28584

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.2	76.8
119	32.9	26.3	39.5

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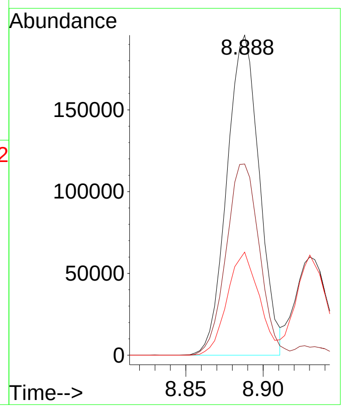
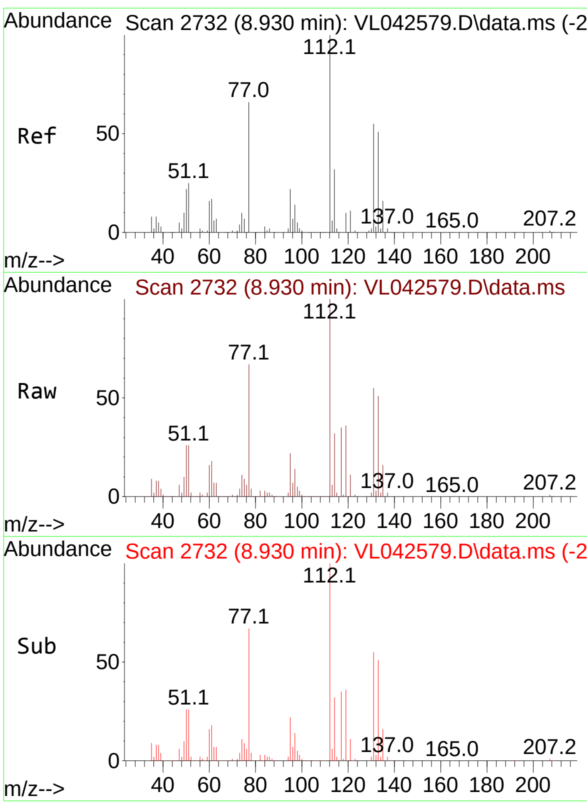
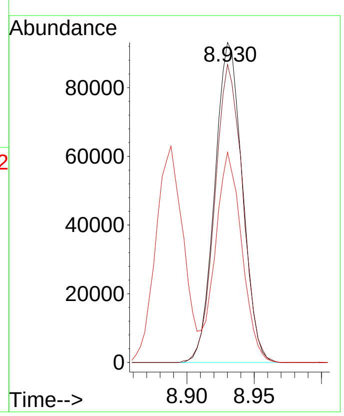


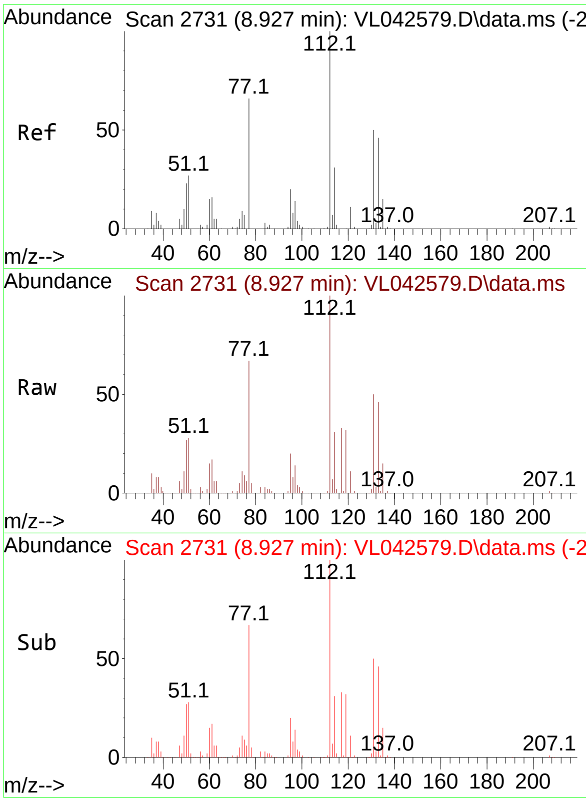


#56
1,1,1,2-Tetrachloroethane
Concen: 9.279 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:131 Resp: 133368

Ion	Ratio	Lower	Upper
131	100		
133	93.8	75.0	112.6
119	63.5	50.8	76.2





#57
Chlorobenzene
Concen: 8.938 ppbv
RT: 8.927 min Scan# 27
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:112 Resp: 24808

Ion	Ratio	Lower	Upper
112	100		
77	66.9	53.5	80.3
114	30.9	27.8	34.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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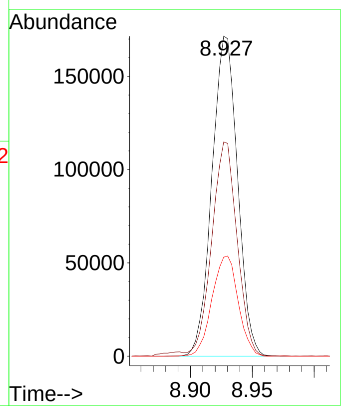
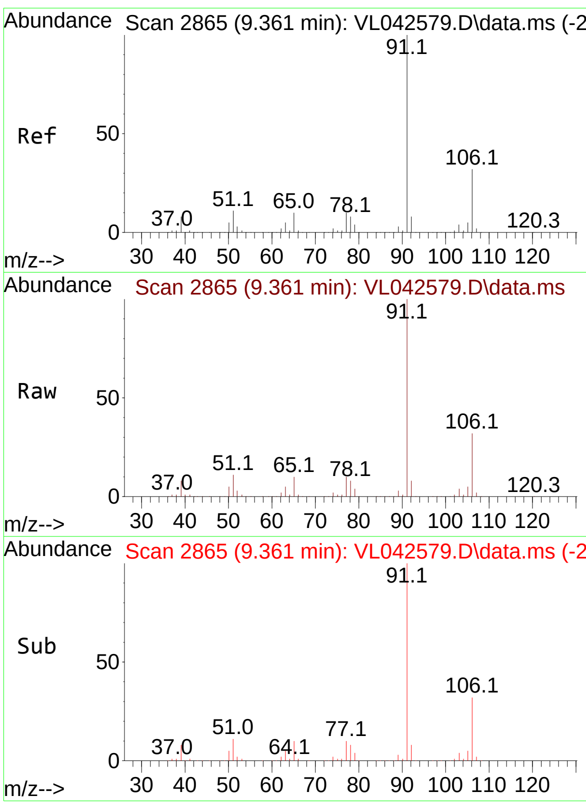
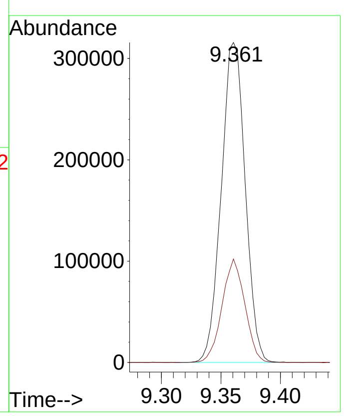


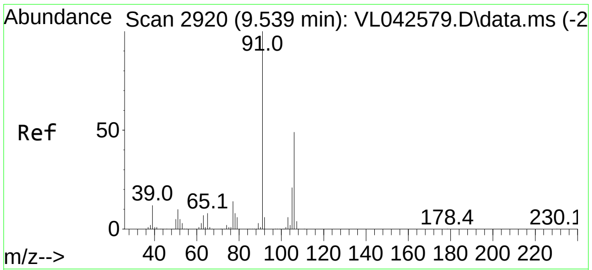


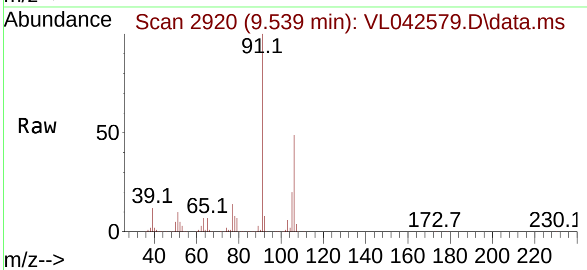
#58
Ethyl Benzene
Concen: 9.121 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

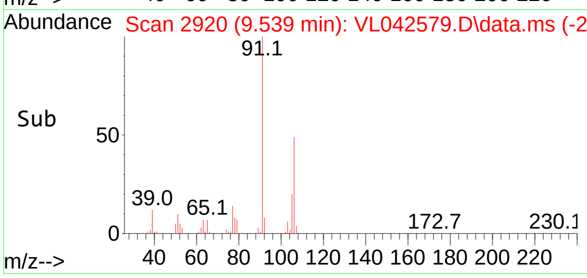
Tgt Ion: 91 Resp: 442268

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9









#59
m/p-Xylene
Concen: 18.156 ppbv m
RT: 9.539 min Scan# 29
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 69293
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2#

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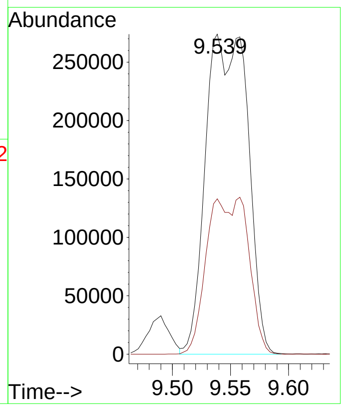
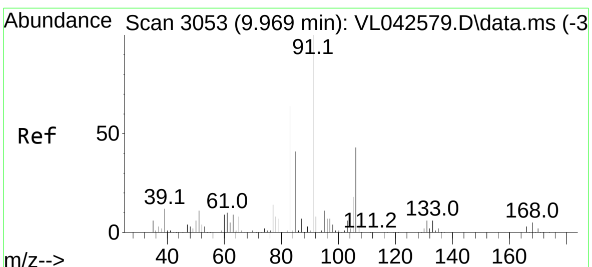
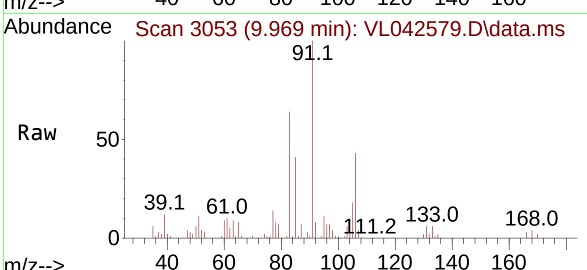
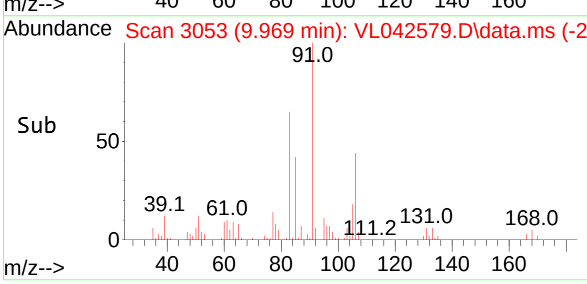
Supervised By :Mahesh Dadoda 05/30/2025



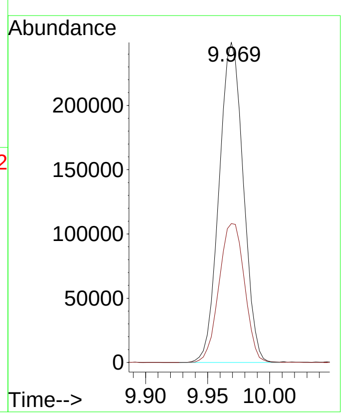


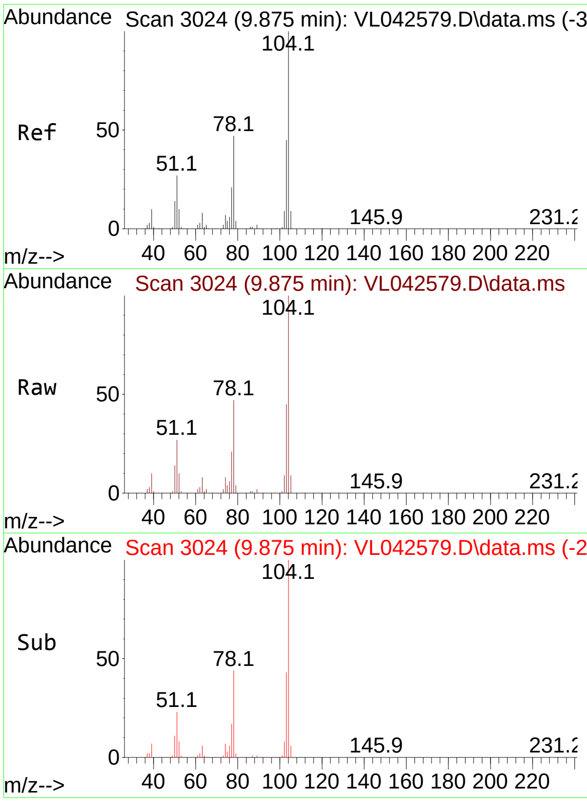




#60
o-Xylene
Concen: 8.919 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 339403
Ion Ratio Lower Upper
91 100
106 45.7 22.9 68.5





#61
Styrene
Concen: 9.374 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:104 Resp: 168674

Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.4
103	45.9	36.7	55.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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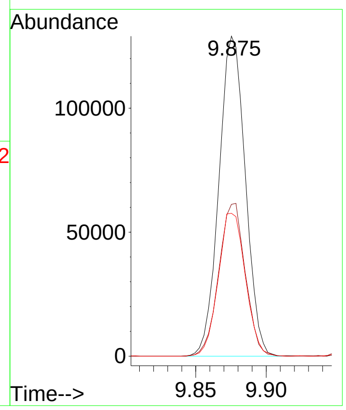
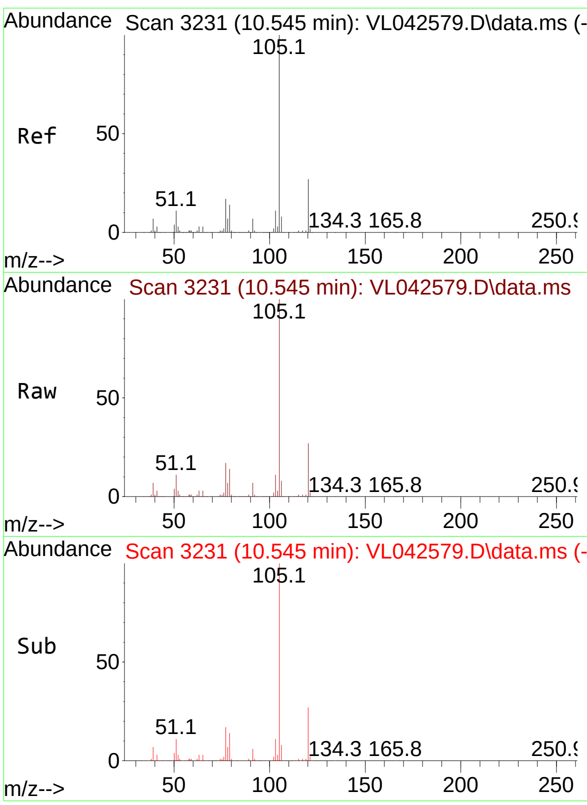
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

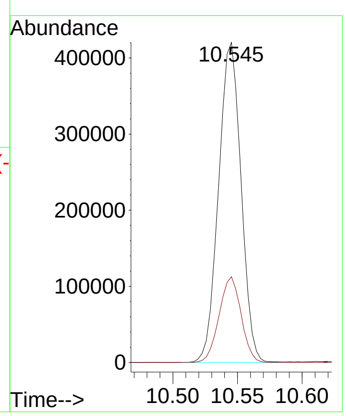


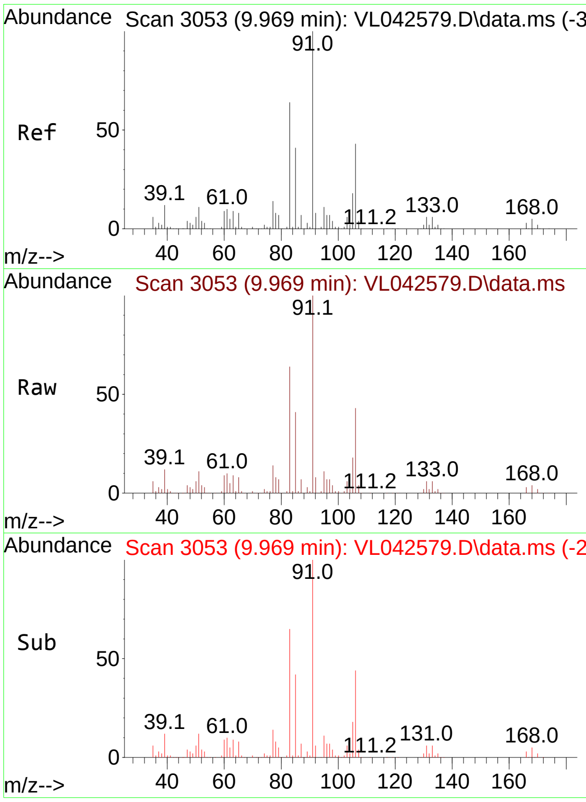


#62
Isopropylbenzene
Concen: 9.010 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:105 Resp: 506586

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 8.536 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 20656

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.9	32.5	97.4

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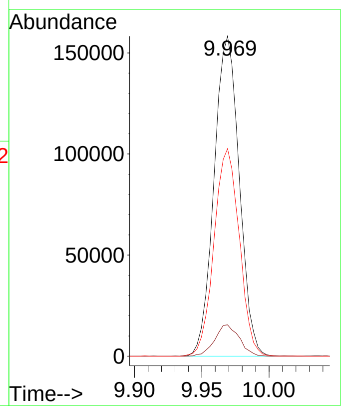
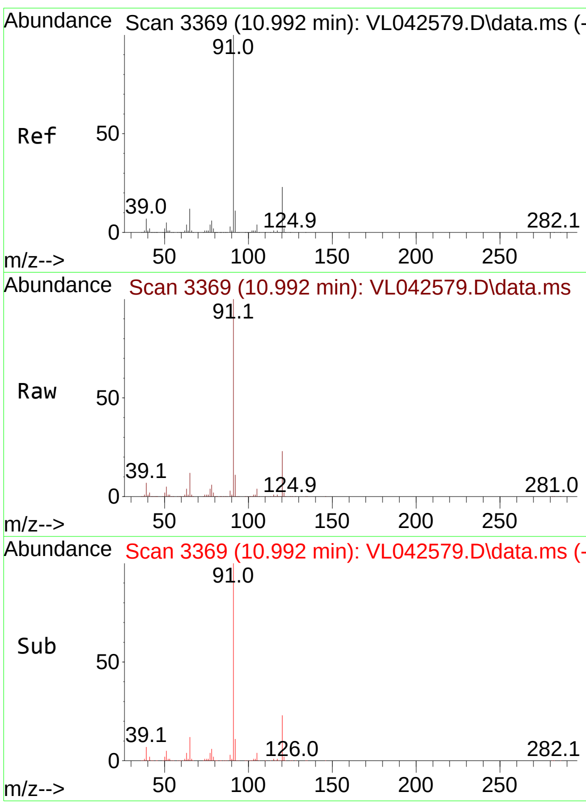
Supervised By :Mahesh Dadoda 05/30/2025

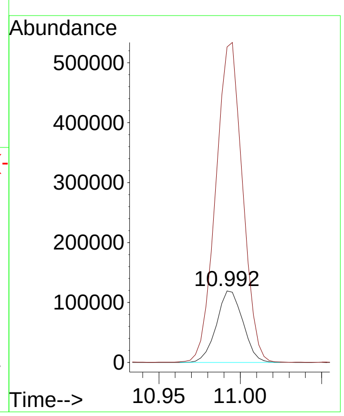


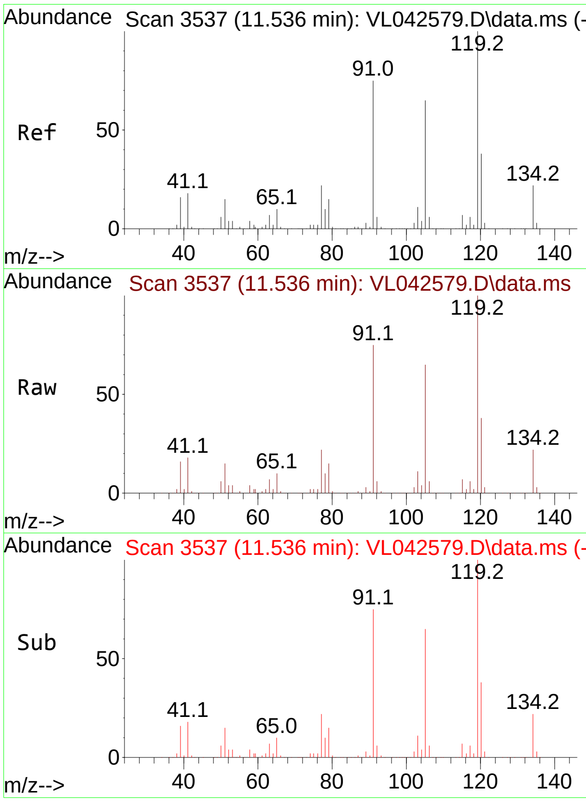


#64
n-propylbenzene
Concen: 8.936 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:120 Resp: 134675

Ion	Ratio	Lower	Upper
120	100		
91	455.6	363.0	544.6





#65
tert-Butylbenzene
Concen: 8.833 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 45063

Ion	Ratio	Lower	Upper
119	100		
91	76.4	61.1	91.7
134	21.8	17.4	26.2

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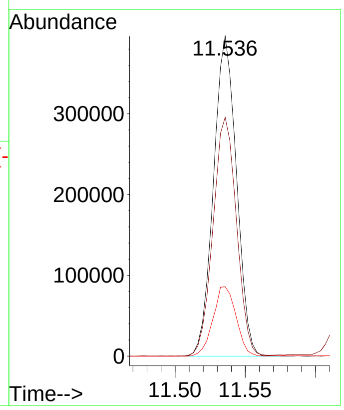
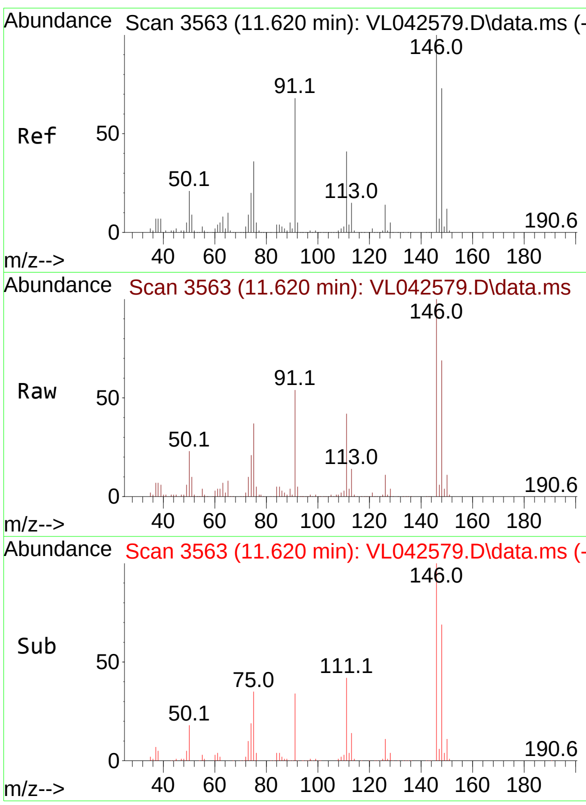
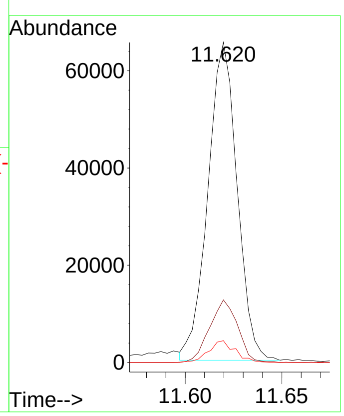


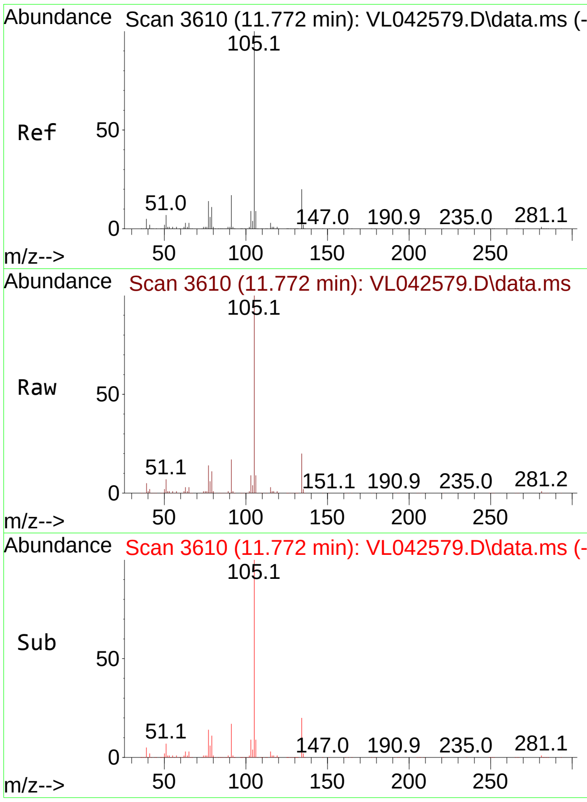


#66
Benzyl Chloride
Concen: 10.457 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 68801

Ion	Ratio	Lower	Upper
91	100		
126	18.9	15.1	22.7
128	6.2	5.0	7.6





#67
sec-Butylbenzene
Concen: 8.749 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 62756

Ion	Ratio	Lower	Upper
105	100		
134	19.7	15.8	23.6

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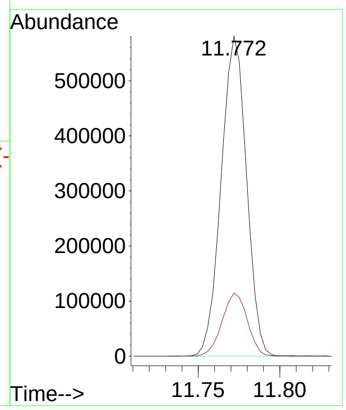
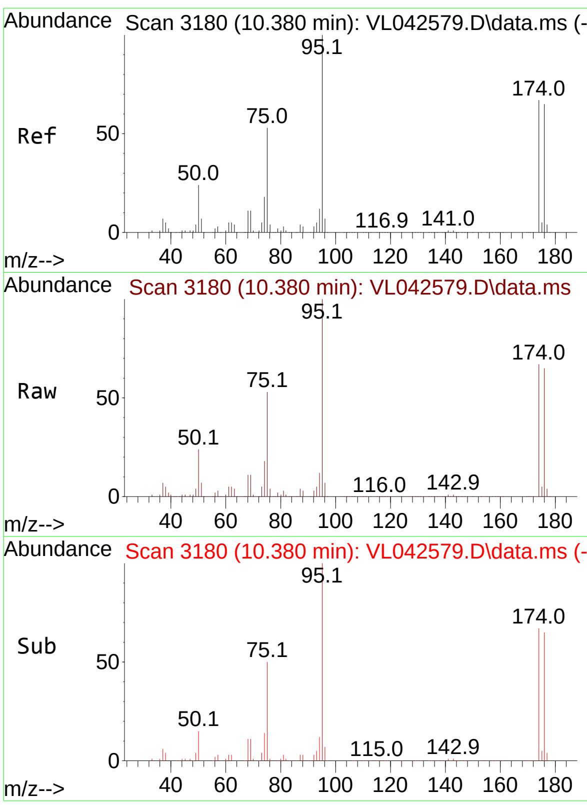
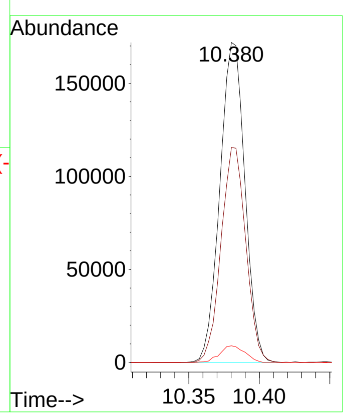


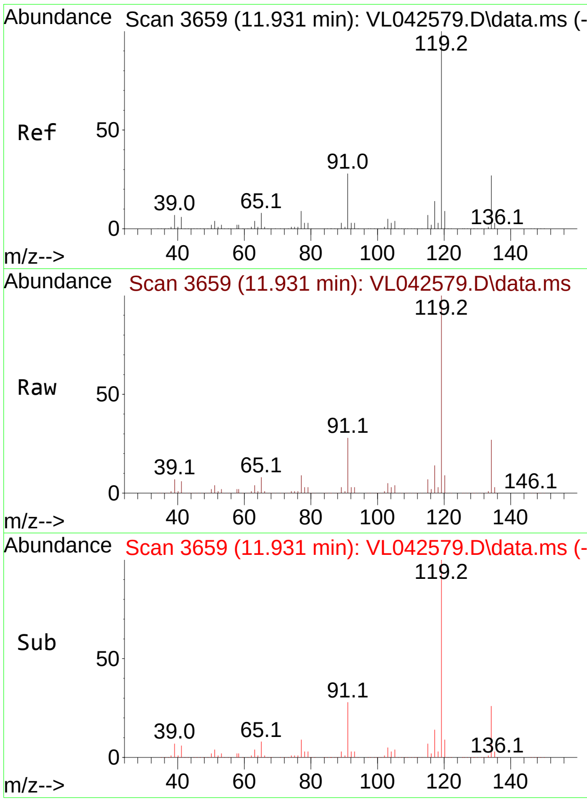


#68
1-Bromo-4-Fluorobenzene
Concen: 9.929 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 95 Resp: 212758

Ion	Ratio	Lower	Upper
95	100		
174	66.4	53.1	79.7
175	5.2	4.2	6.2





#69
p-Isopropyltoluene
Concen: 8.889 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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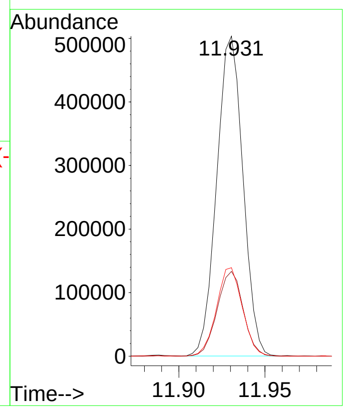
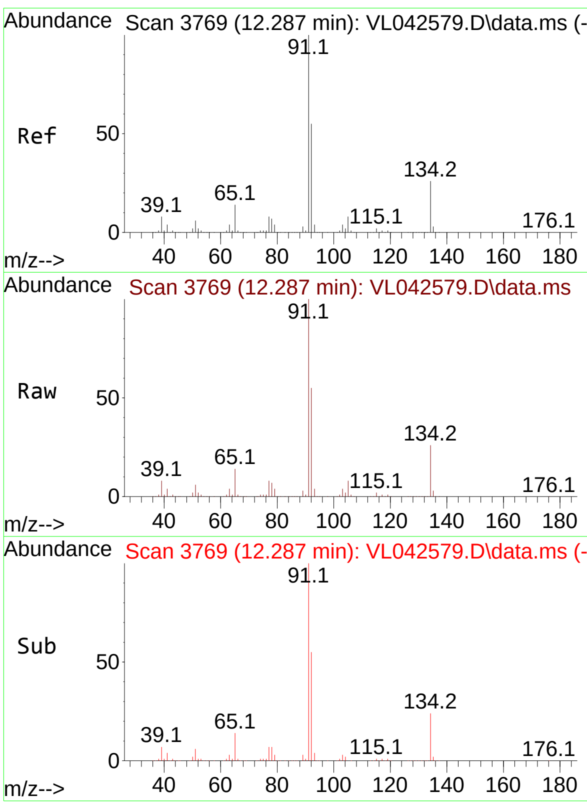
Tgt Ion:119 Resp: 53396

Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.1	31.7
91	27.5	21.9	32.9

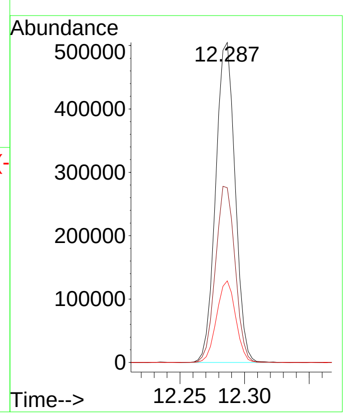


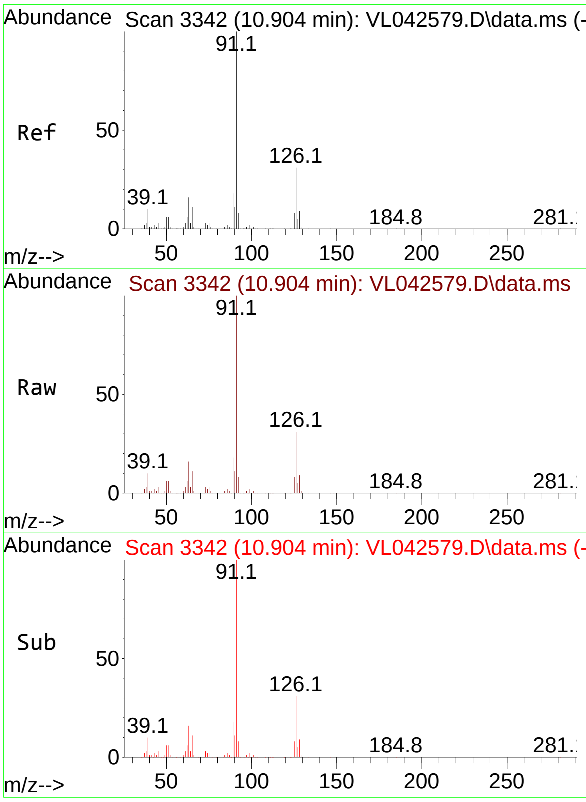


#70
n-Butylbenzene
Concen: 8.881 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 526566

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.4	66.6
134	25.1	20.1	30.1





#71
2-Chlorotoluene
Concen: 8.952 ppbv
RT: 10.904 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 38388

Ion	Ratio	Lower	Upper
91	100		
126	31.5	12.6	50.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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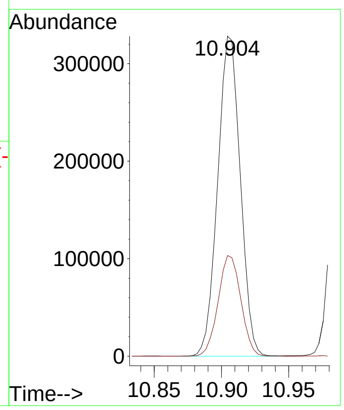
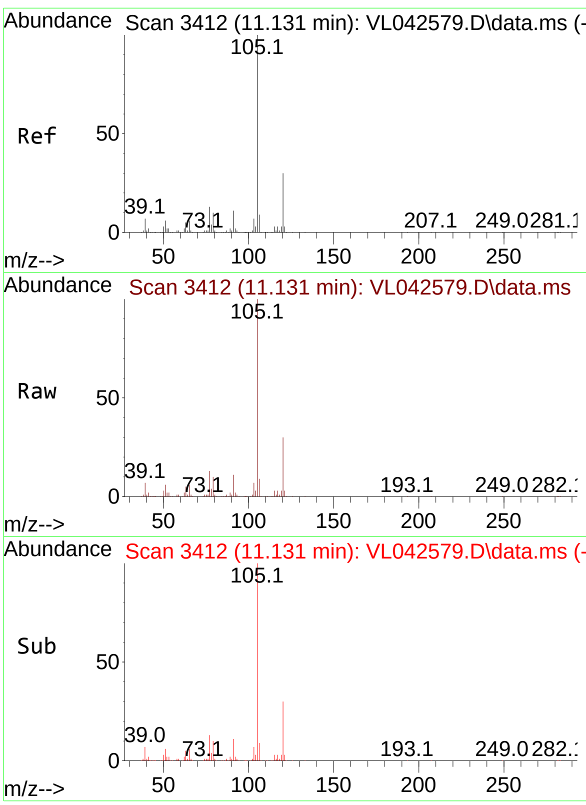
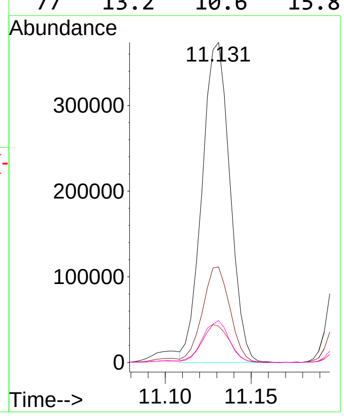


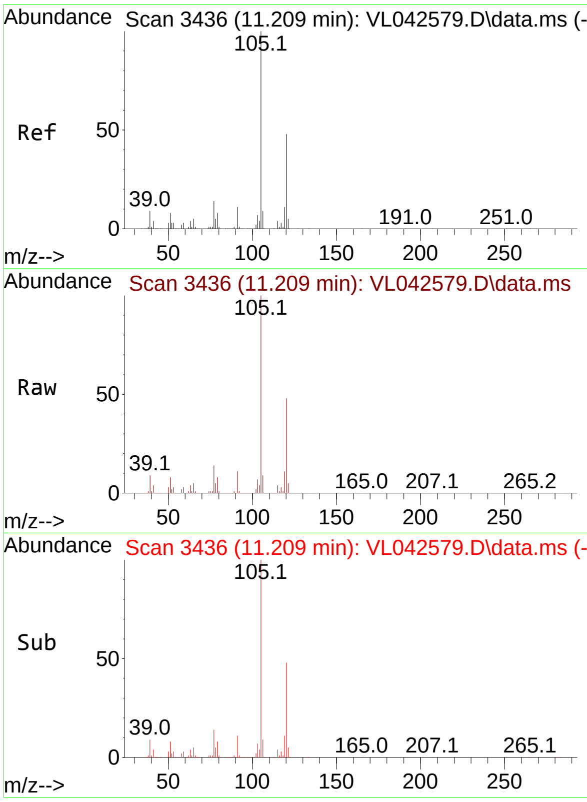


#72
4-Ethyltoluene
Concen: 8.920 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:105 Resp: 423227

Ion	Ratio	Lower	Upper
105	100		
120	30.7	24.6	36.8
91	12.0	9.6	14.4
77	13.2	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 8.989 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 35297

Ion	Ratio	Lower	Upper
105	100		
120	48.5	38.8	58.2

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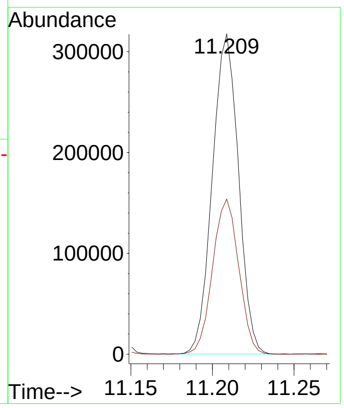
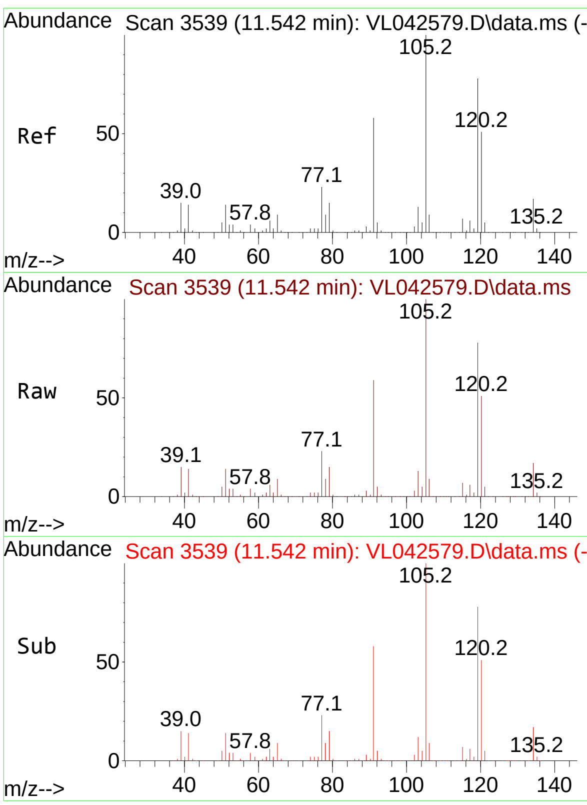
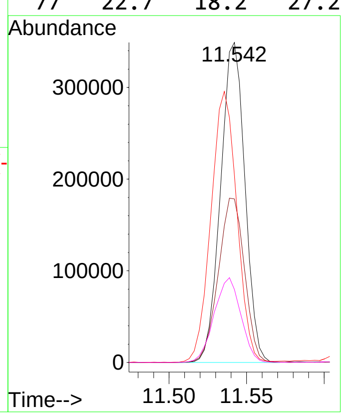


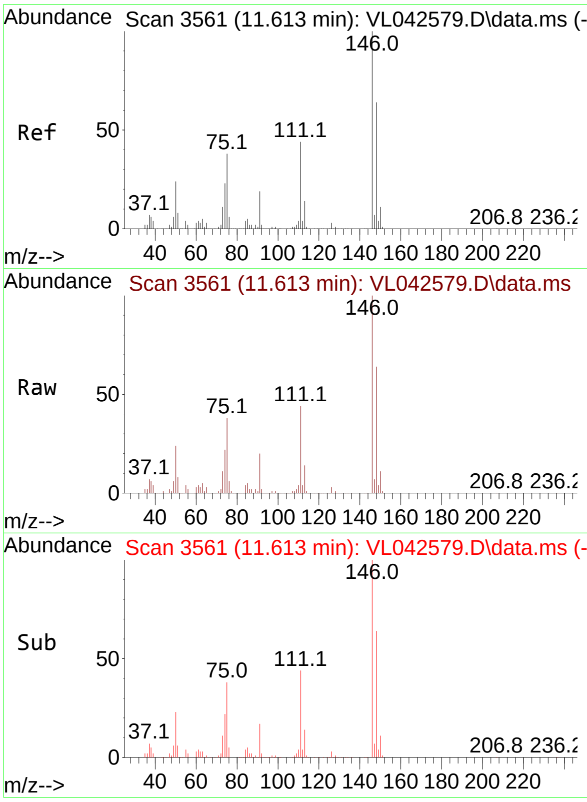


#74
1,2,4-Trimethylbenzene
Concen: 8.755 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:105 Resp: 381512

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.8	61.2
91	58.5	46.8	70.2
77	22.7	18.2	27.2





#75
1,3-Dichlorobenzene
Concen: 8.762 ppbv
RT: 11.613 min Scan# 3!
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:146 Resp: 23978

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	64.1	32.0	96.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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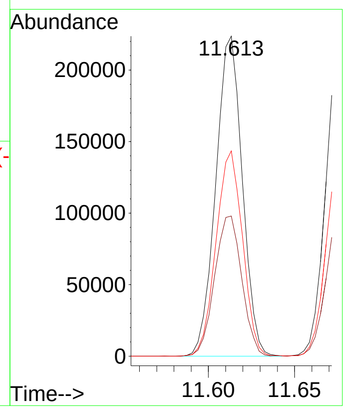
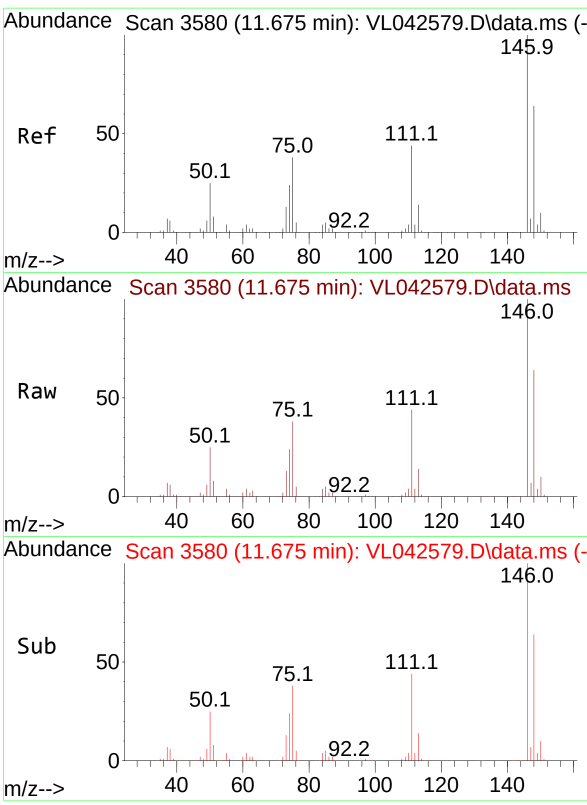
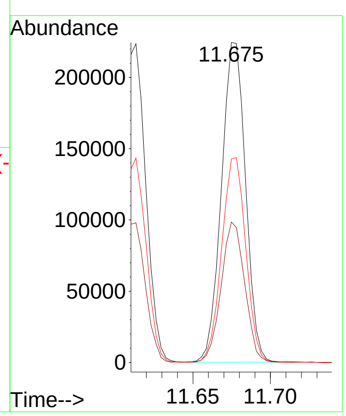


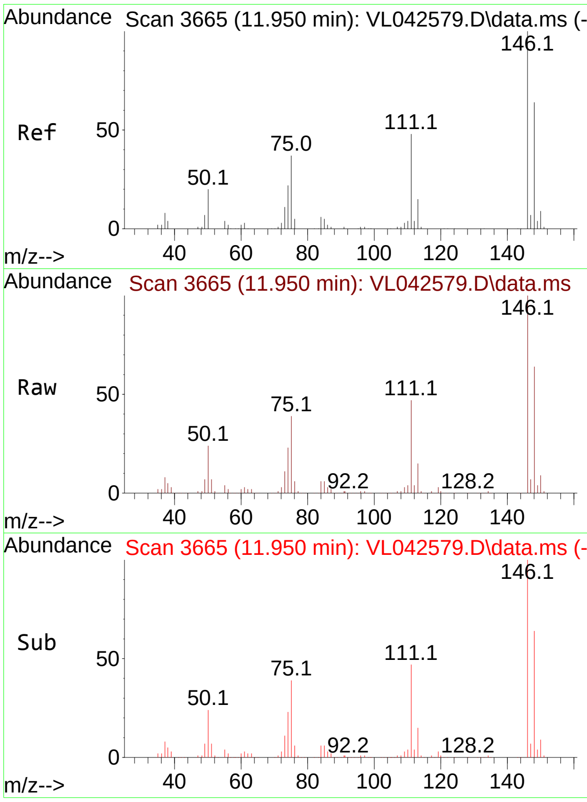


#76
1,4-Dichlorobenzene
Concen: 8.894 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:146 Resp: 242731

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	64.4	32.1	96.5

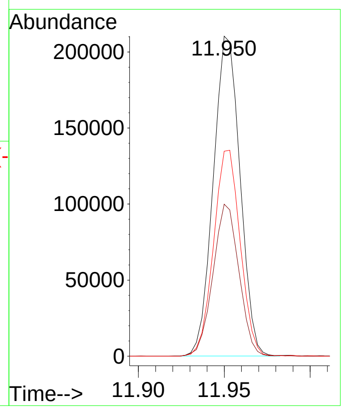




#77
1,2-Dichlorobenzene
Concen: 8.593 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:146 Resp: 228222

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.3
148	64.2	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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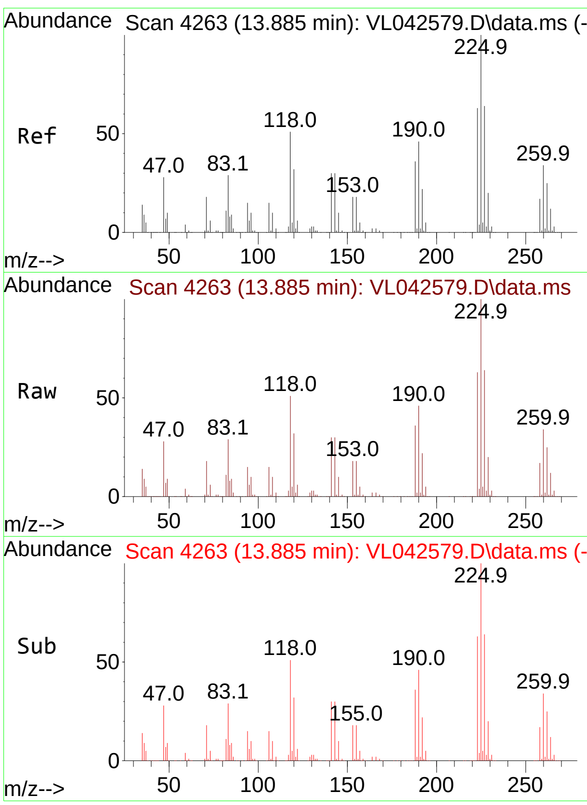
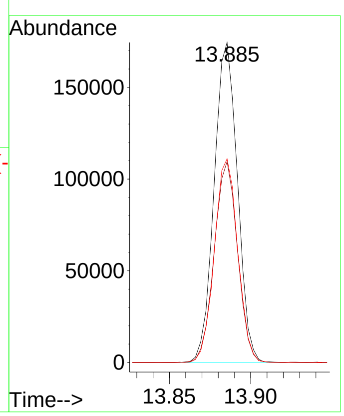
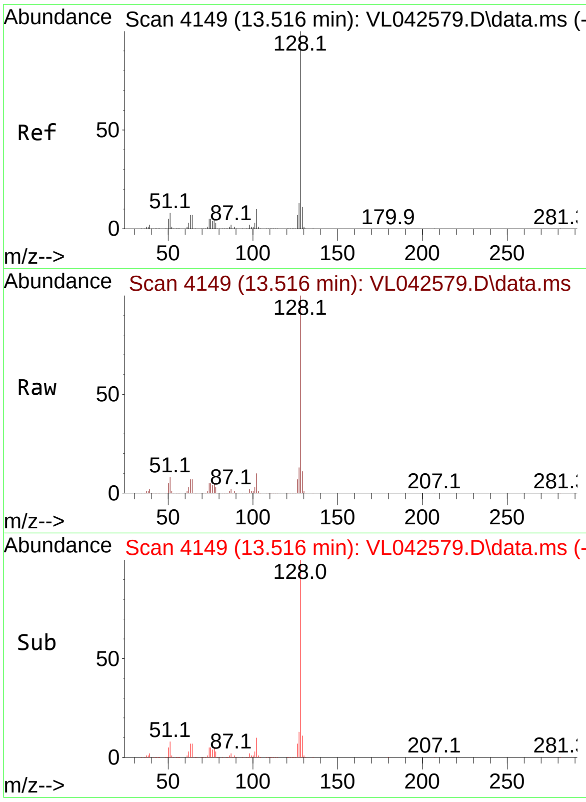


#78
Hexachloro-1,3-Butadiene
Concen: 7.893 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:225 Resp: 173447

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	63.9	51.1	76.7

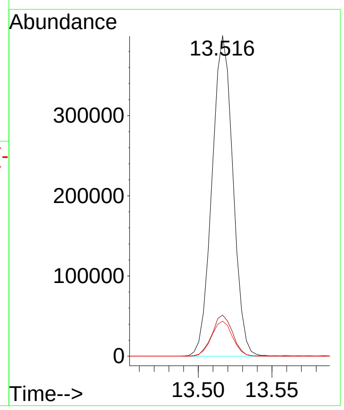




#79
Naphthalene
Concen: 9.666 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:128 Resp: 39546

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.8	13.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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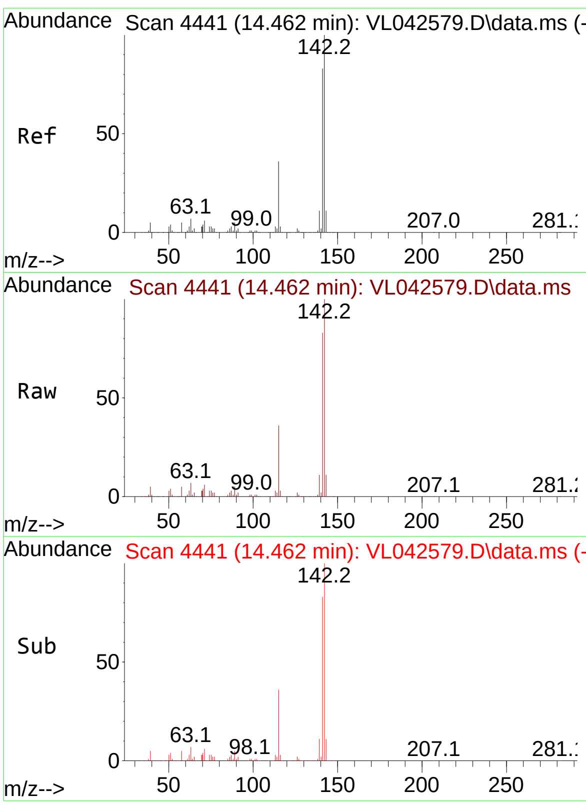
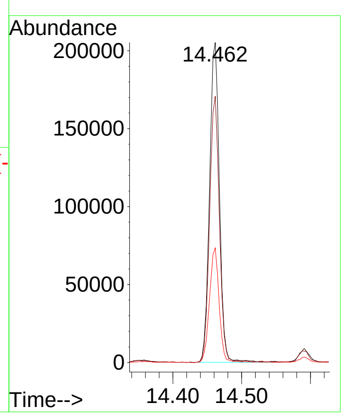
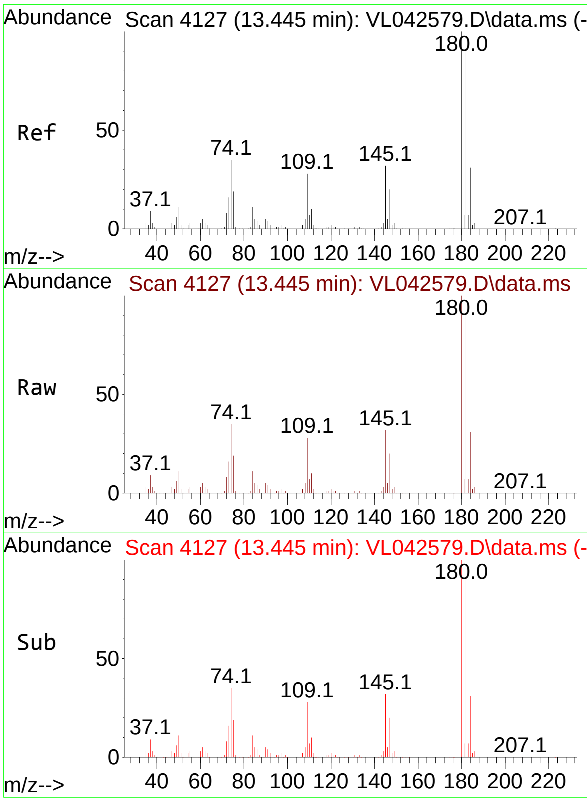


#80
Naphthalene,2-methyl-
Concen: 11.045 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:142 Resp: 204746

Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.2	99.4
115	35.3	28.3	42.5





#81
1,2,4-Trichlorobenzene
Concen: 9.163 ppbv
RT: 13.445 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 21012(

Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
184	30.7	24.6	36.8

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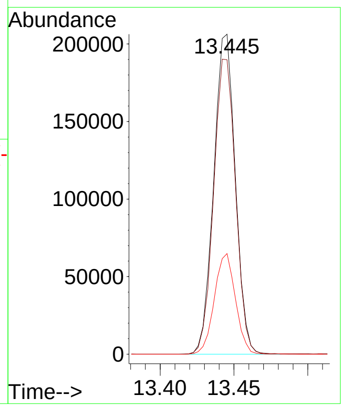
Supervised By :Mahesh Dadoda 05/30/2025



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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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

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

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 2
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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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

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
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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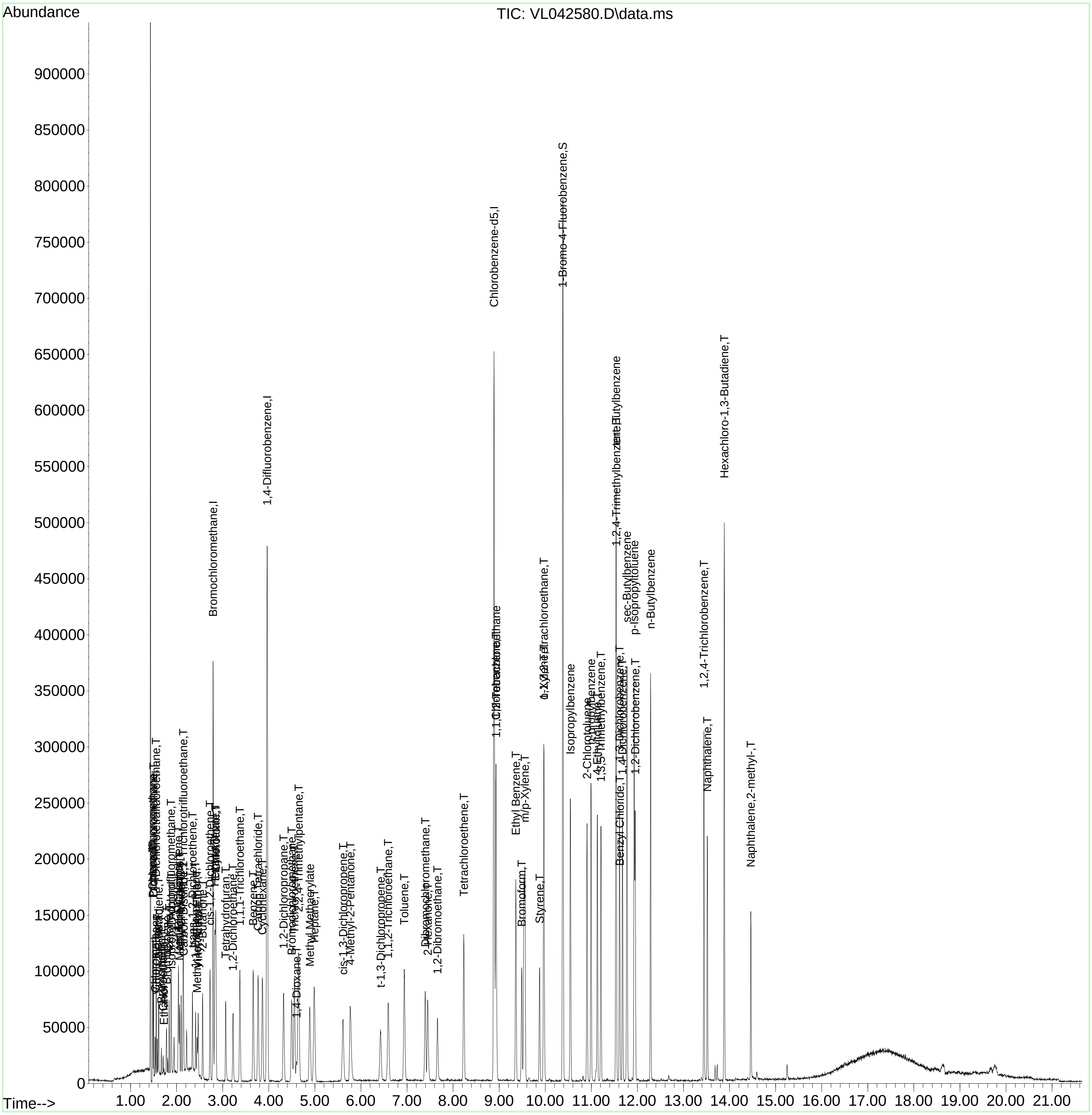

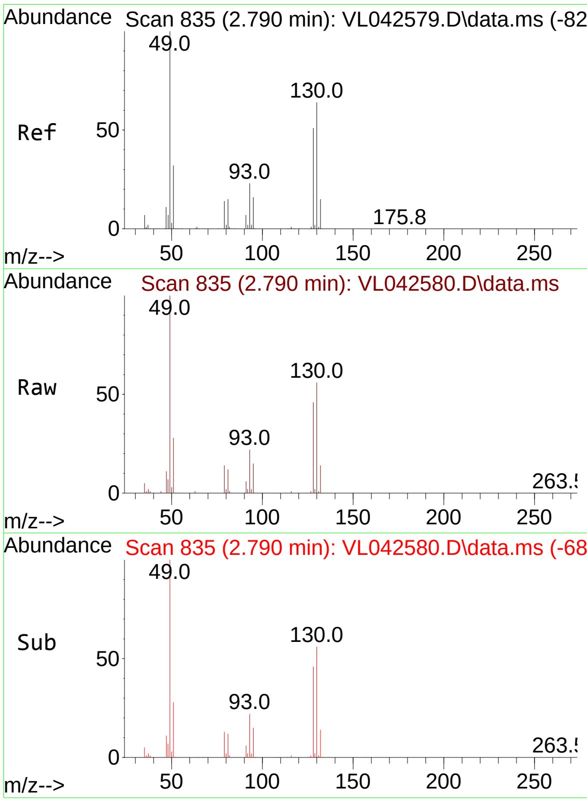

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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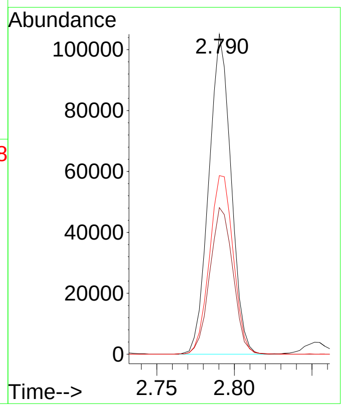
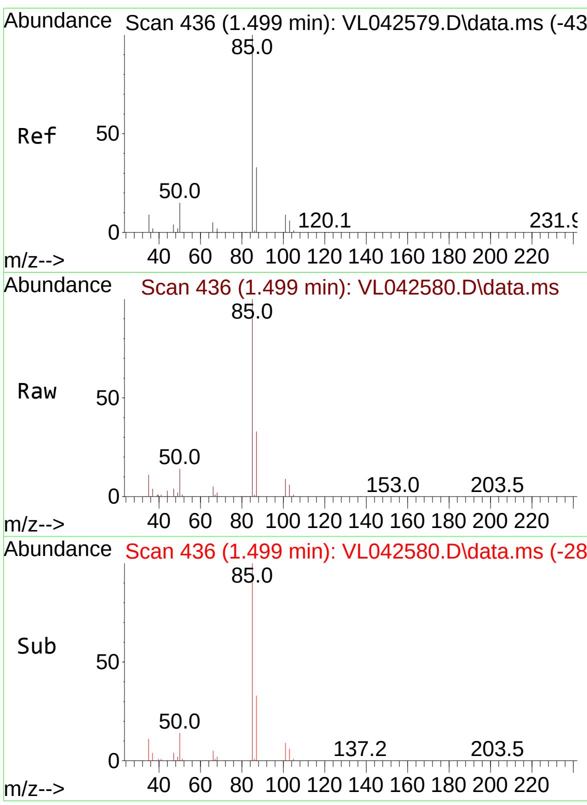
Tgt Ion: 49 Resp: 10493

Ion	Ratio	Lower	Upper
49	100		
128	47.6	24.2	72.6
130	59.6	30.4	91.2

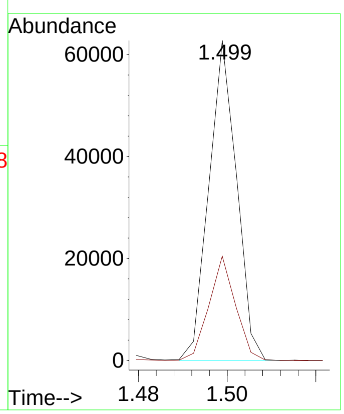


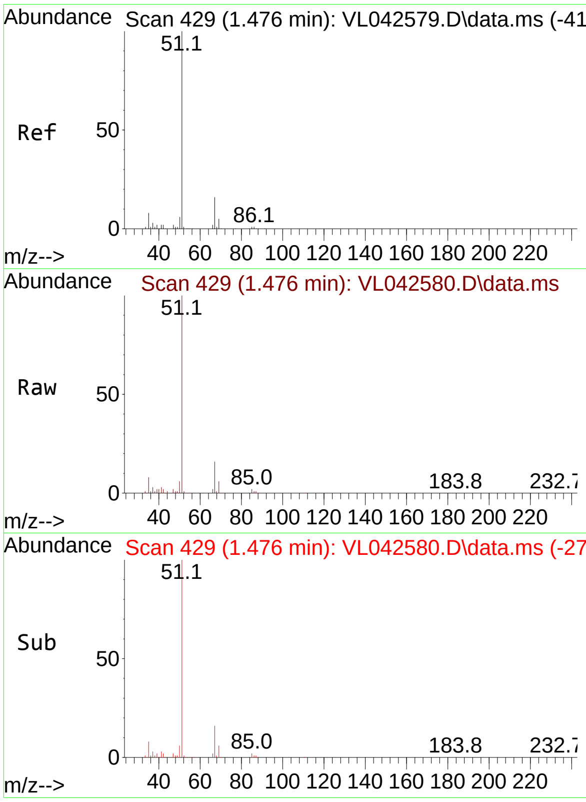


#2
Dichlorodifluoromethane
Concen: 2.115 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 85 Resp: 27278

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.6	39.8





#3
Chlorodifluoromethane
Concen: 2.157 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 51 Resp: 3832

Ion	Ratio	Lower	Upper
51	100		
67	17.5	13.4	20.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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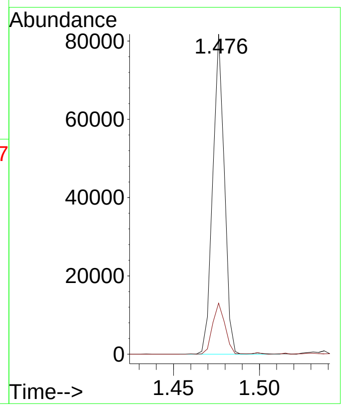
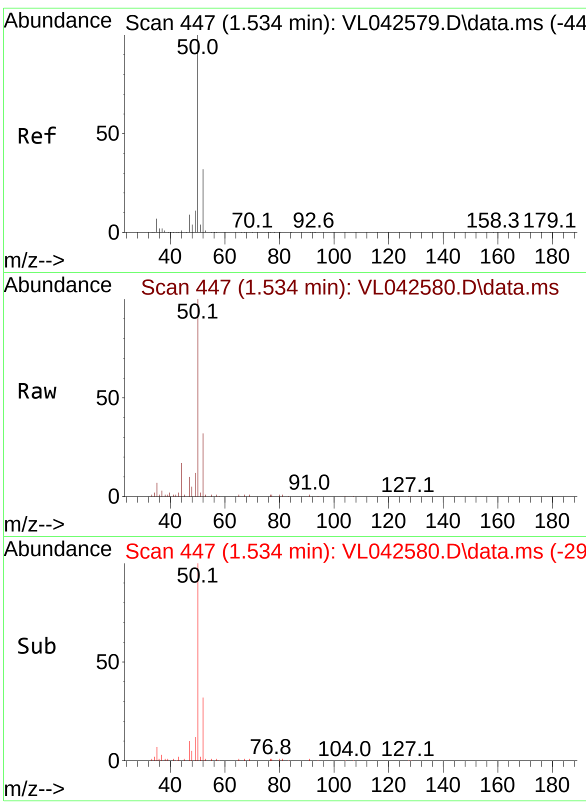
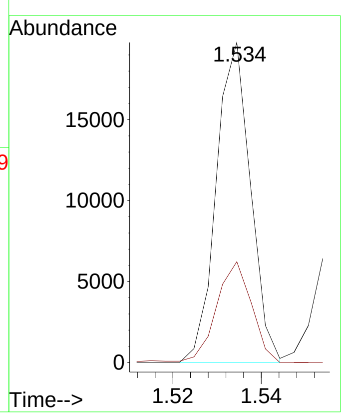


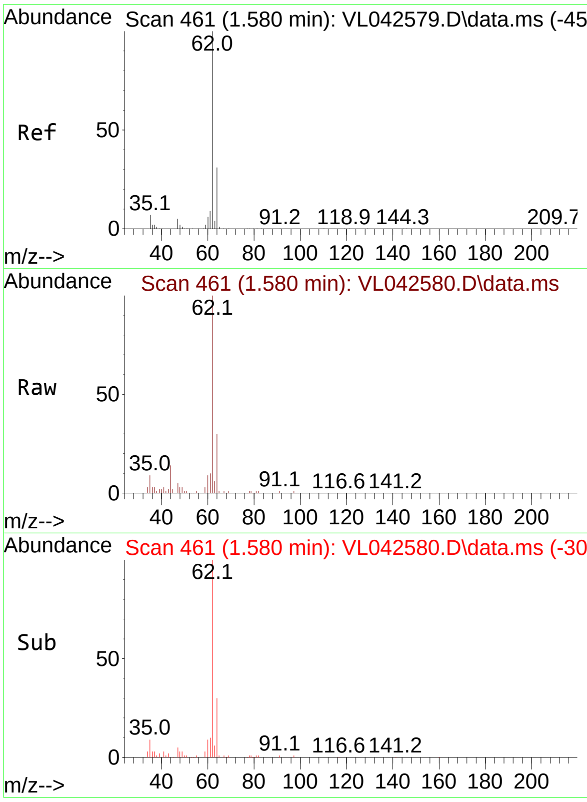


#4
Chloromethane
Concen: 2.084 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 50 Resp: 10641

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.8	38.6





#5
Vinyl Chloride
Concen: 1.887 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 981

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.9	37.3

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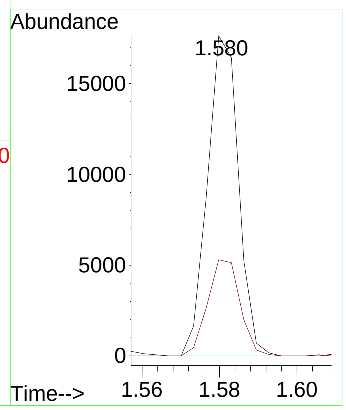
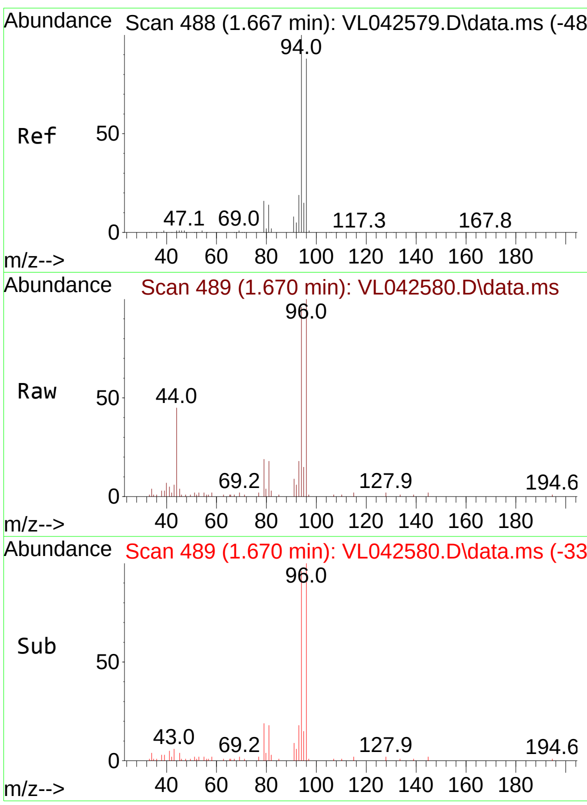
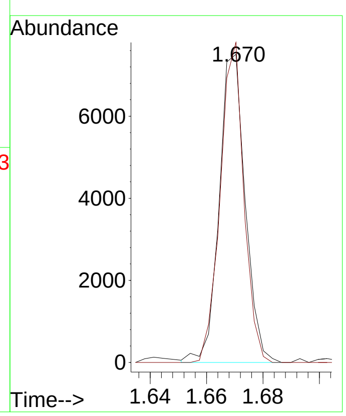


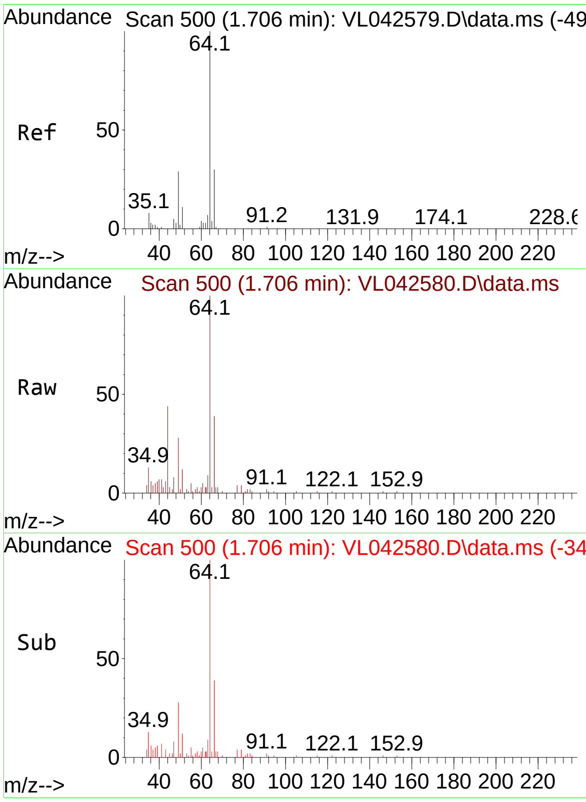


#6
Bromomethane
Concen: 1.903 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 94 Resp: 4819

Ion	Ratio	Lower	Upper
94	100		
96	103.8	70.7	106.1





#7
Chloroethane
Concen: 2.059 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 64 Resp: 416

Ion	Ratio	Lower	Upper
64	100		
66	38.8	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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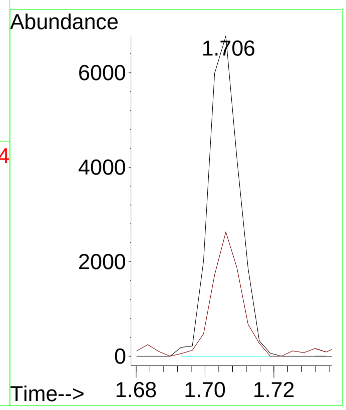
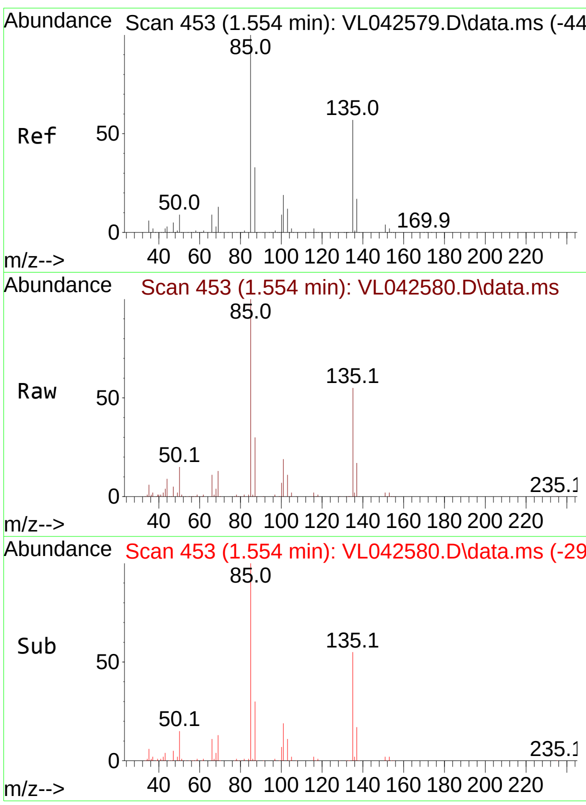
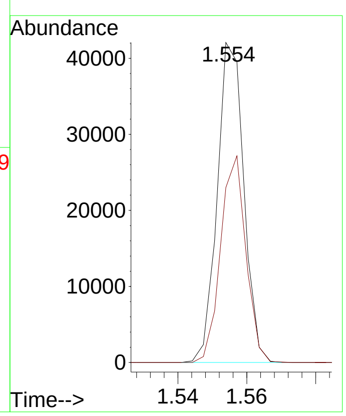


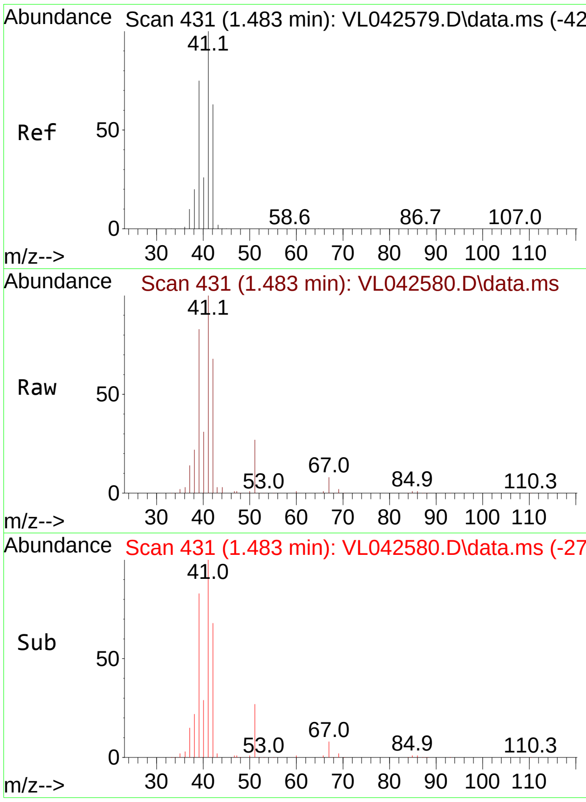


#8
Dichlorotetrafluoroethane
Concen: 2.100 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 85 Resp: 22568

Ion	Ratio	Lower	Upper
85	100		
135	61.5	50.2	75.4





#9
Propene
Concen: 2.119 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 1515

Ion	Ratio	Lower	Upper
41	100		
42	69.5	53.3	79.9

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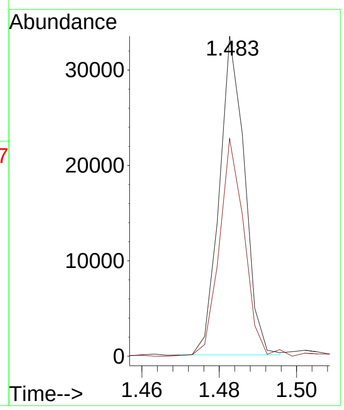
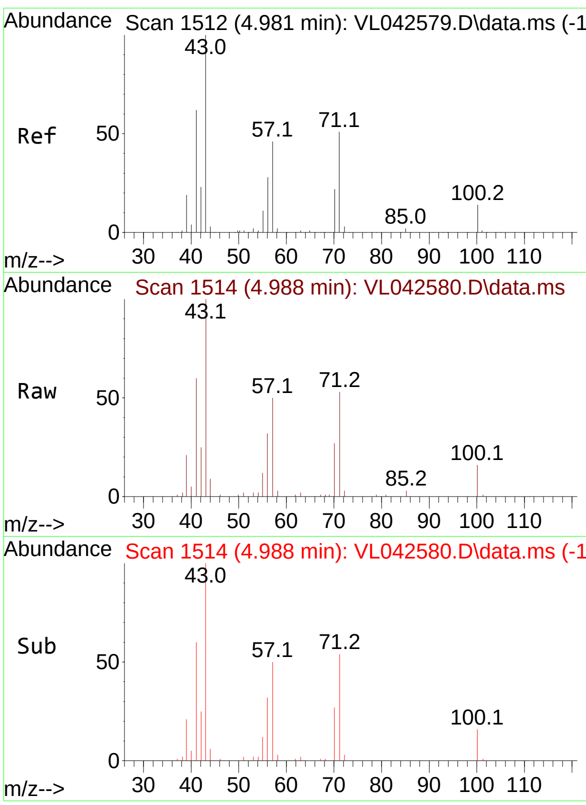
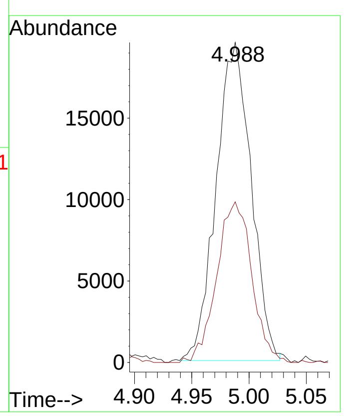


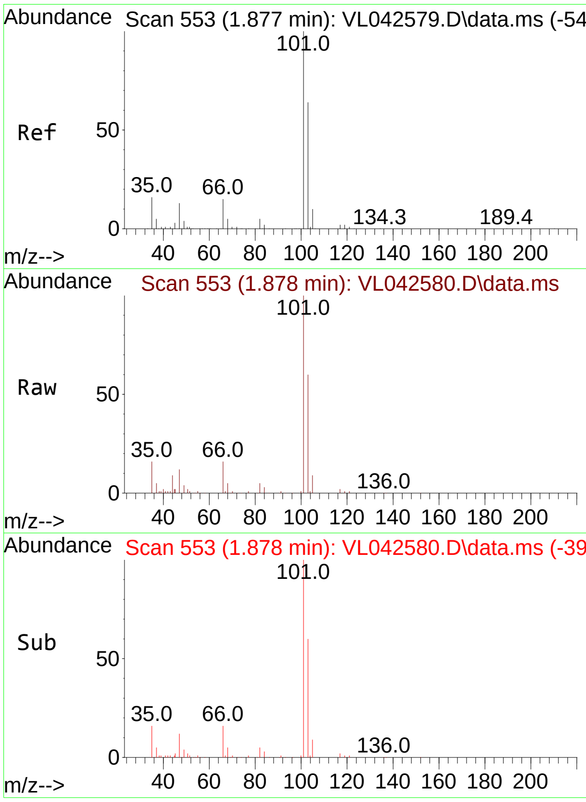


#10
Heptane
Concen: 2.060 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.007 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 41577

Ion	Ratio	Lower	Upper
43	100		
57	50.7	38.9	58.3





#11
Trichlorofluoromethane
Concen: 2.101 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:101 Resp: 2521

Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.5	77.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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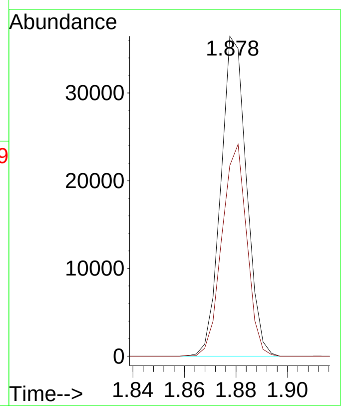
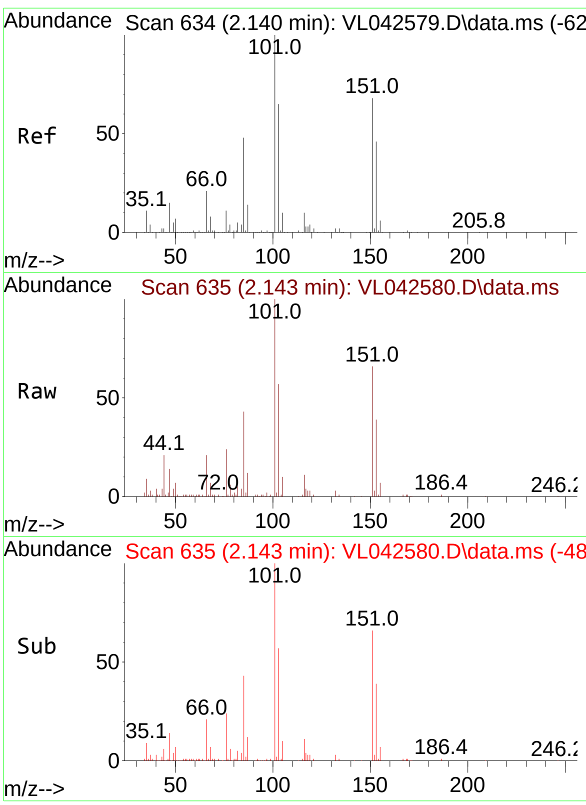
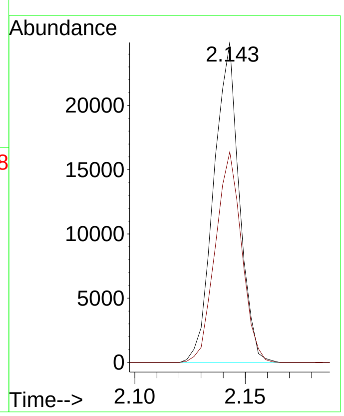


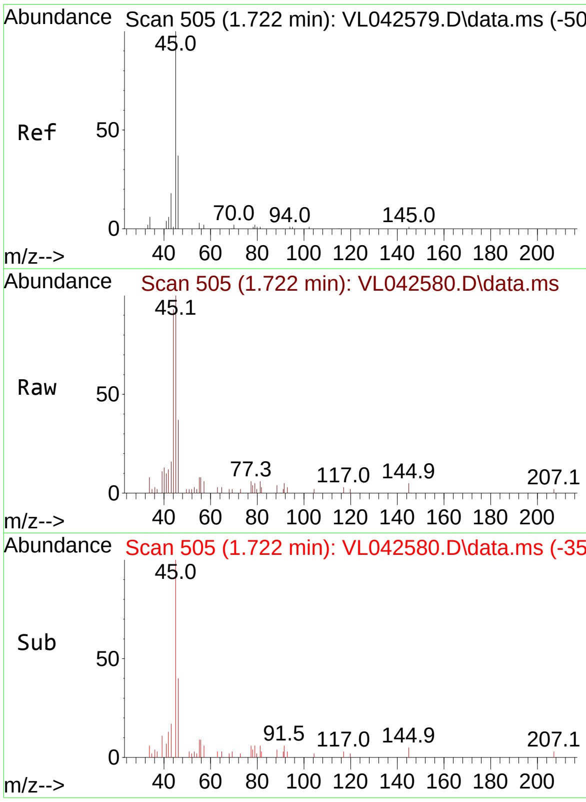


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.119 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:101 Resp: 19963

Ion	Ratio	Lower	Upper
101	100		
151	68.0	55.3	82.9





#13
Ethanol
Concen: 2.411 ppbv m
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 192

Ion	Ratio	Lower	Upper
45	100		
46	44.8	14.5	58.1

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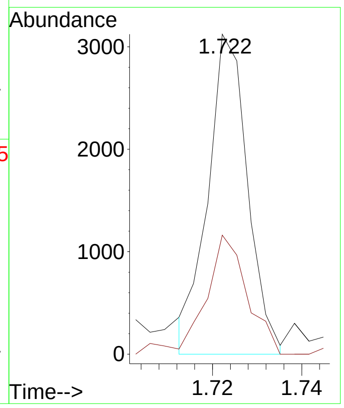
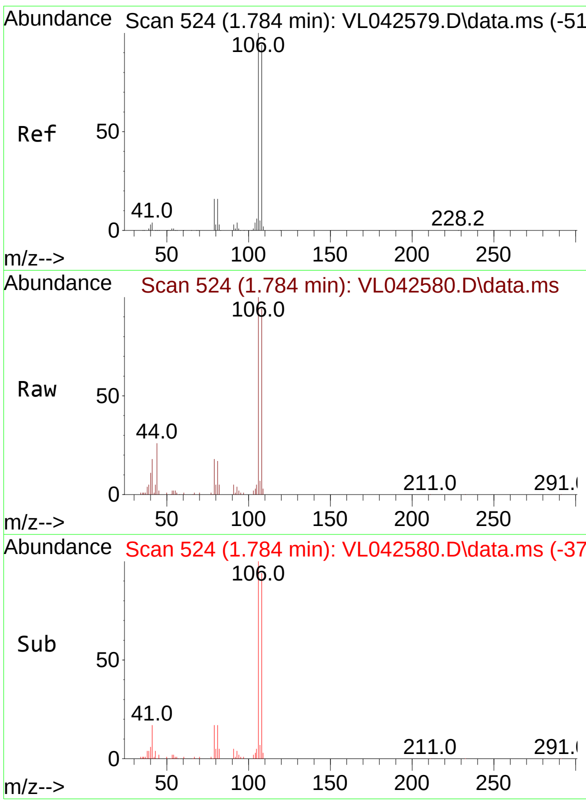
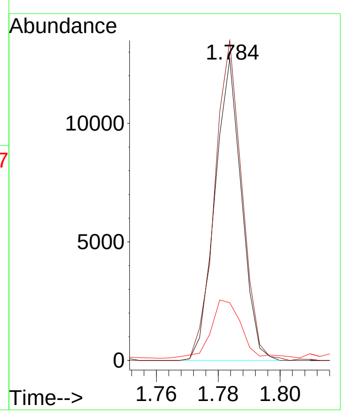


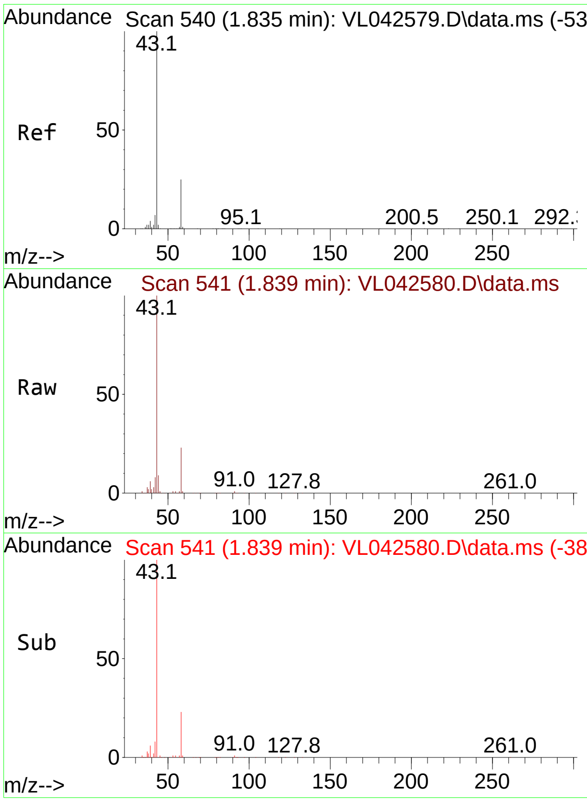


#14
Bromoethene
Concen: 2.146 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:108 Resp: 7607

Ion	Ratio	Lower	Upper
108	100		
106	108.4	87.9	131.9
79	34.7	15.6	23.4#





#15
Acetone
Concen: 2.156 ppbv
RT: 1.839 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
58 26.2 21.0 31.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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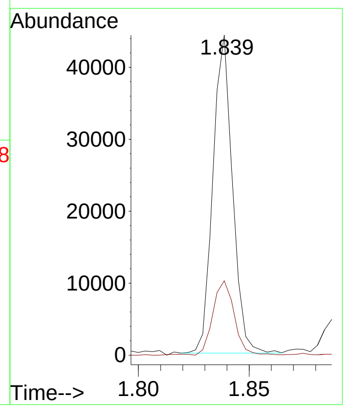
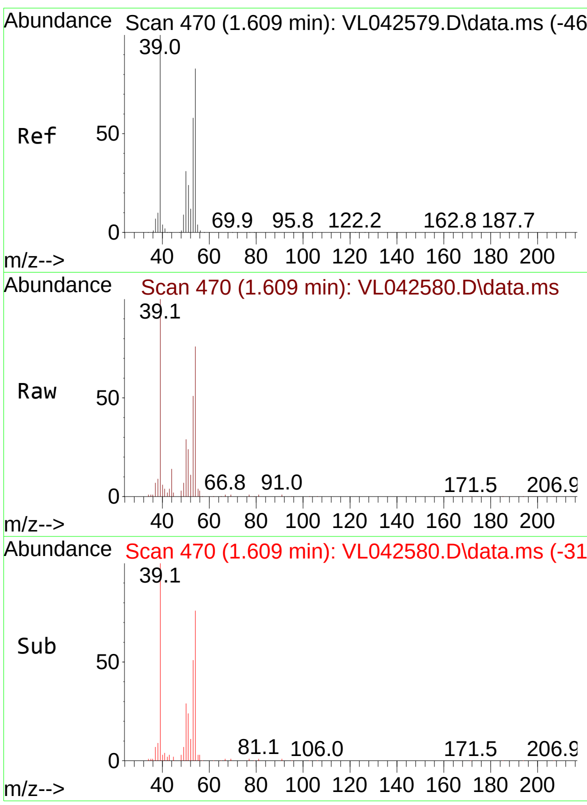
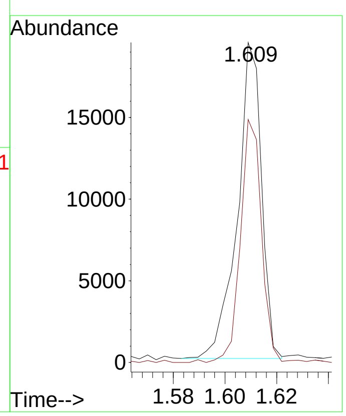
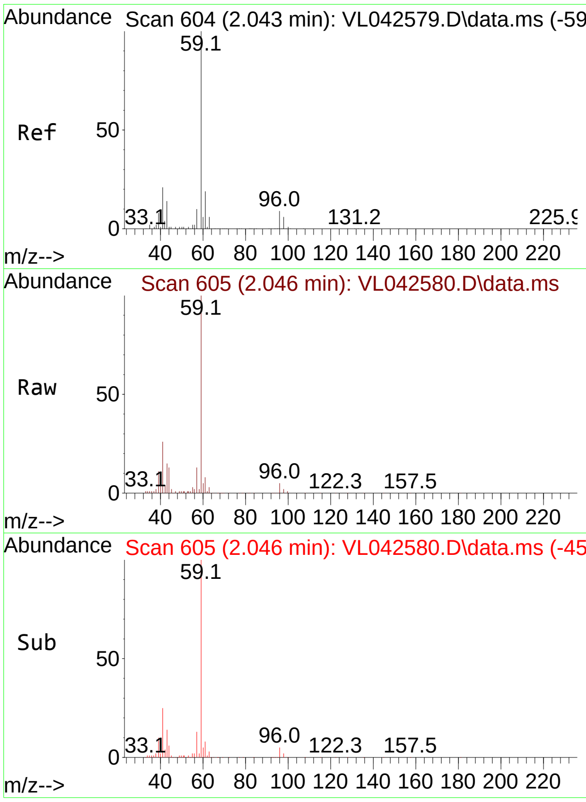




#16
1,3-Butadiene
Concen: 2.092 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 39 Resp: 12523
Ion Ratio Lower Upper
39 100
54 68.6 57.9 86.9





#17
tert-Butyl alcohol
Concen: 2.039 ppbv
RT: 2.046 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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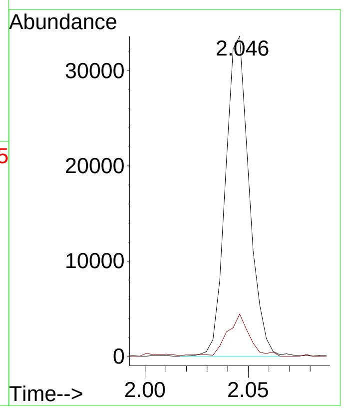
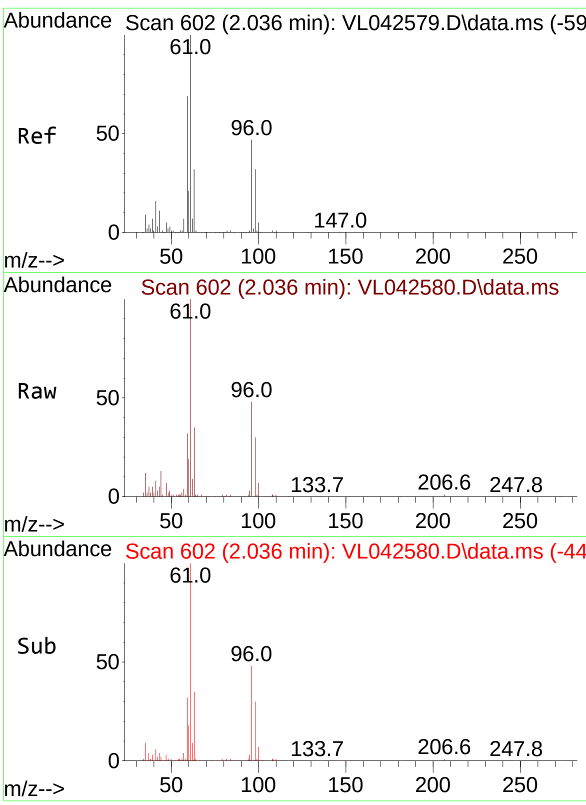
Tgt Ion: 59 Resp: 2684

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.6	12.8

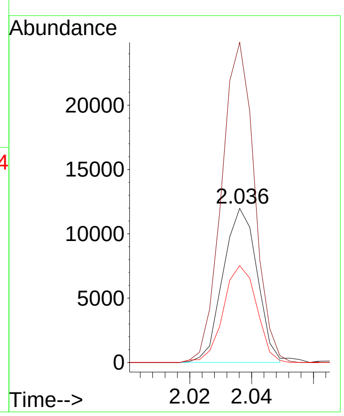


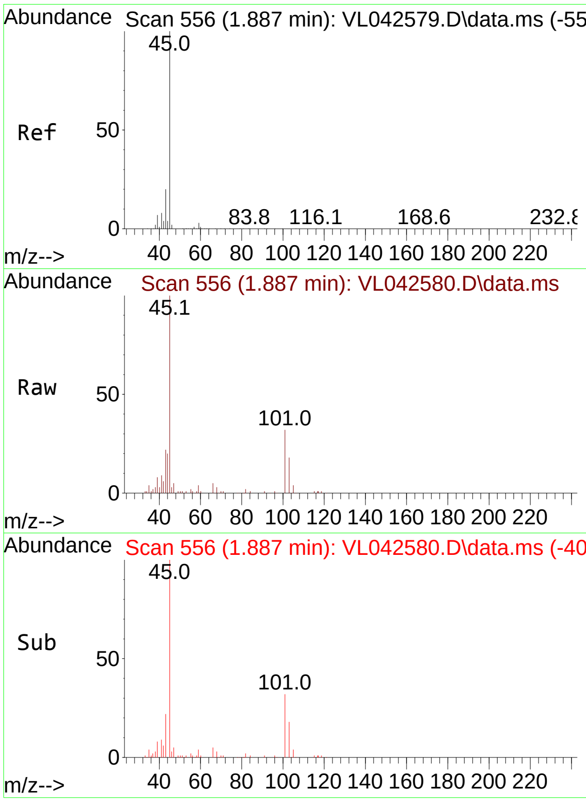


#18
1,1-Dichloroethene
Concen: 2.094 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 96 Resp: 9179

Ion	Ratio	Lower	Upper
96	100		
61	207.6	171.1	256.7
98	62.8	54.4	81.6





#19
Isopropyl Alcohol
Concen: 2.060 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 45 Resp: 1556

Ion	Ratio	Lower	Upper
45	100		
58	2.7	29.4	44.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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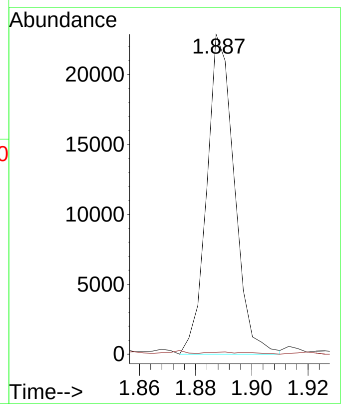
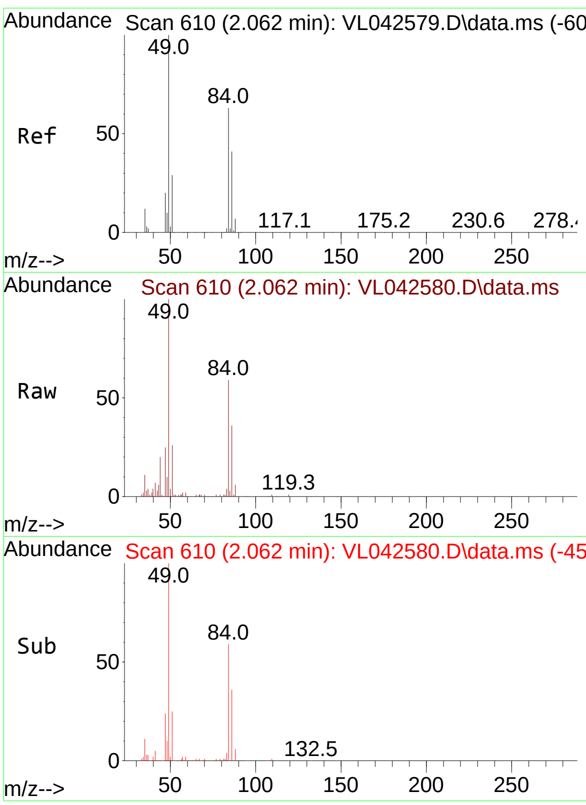
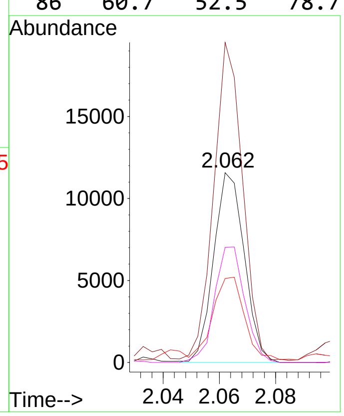


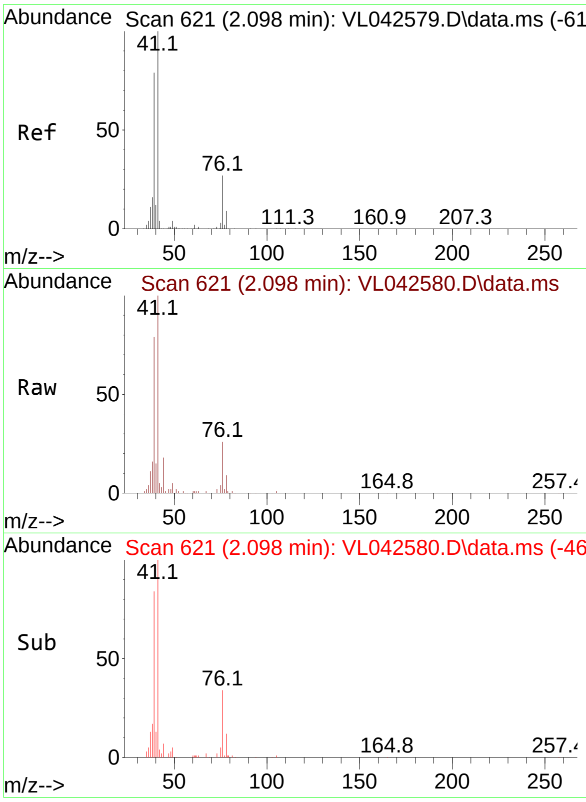


#20
Methylene Chloride
Concen: 2.101 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 84 Resp: 8763

Ion	Ratio	Lower	Upper
84	100		
49	166.9	128.8	193.2
51	42.8	38.6	57.8
86	60.7	52.5	78.7

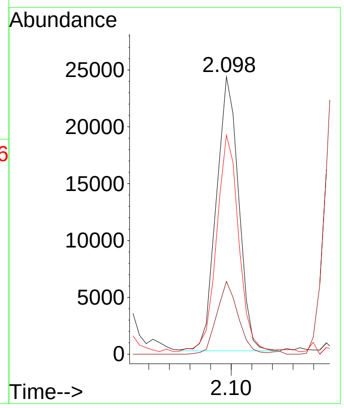




#21
Allyl Chloride
Concen: 2.038 ppbv
RT: 2.098 min   Scan# 621
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 41 Resp: 18178

Ion	Ratio	Lower	Upper
41	100		
76	25.3	21.2	31.8
39	85.4	60.9	91.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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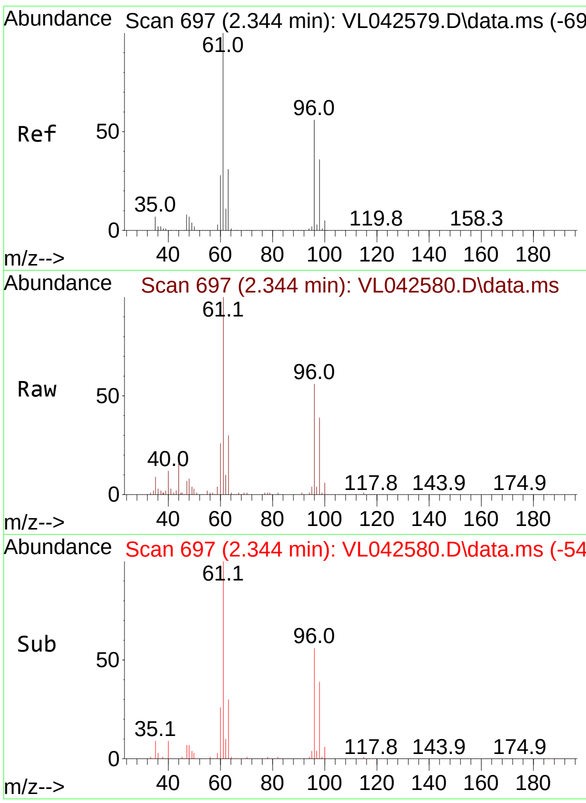
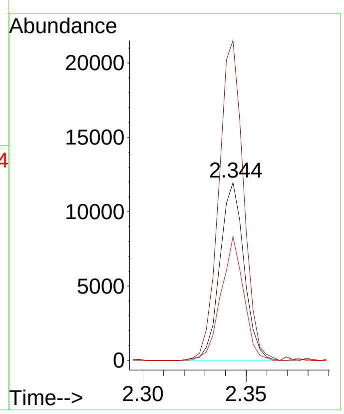
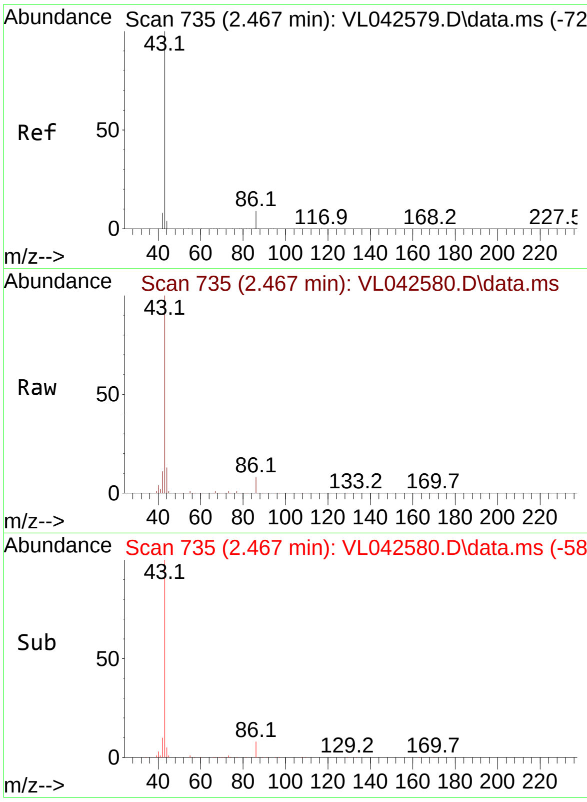


#22
trans-1,2-Dichloroethene
Concen: 1.998 ppbv
RT: 2.344 min   Scan# 697
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 96 Resp: 9775

Ion	Ratio	Lower	Upper
96	100		
61	179.9	142.6	214.0
98	69.7	51.0	76.4





#23
Vinyl Acetate
Concen: 2.070 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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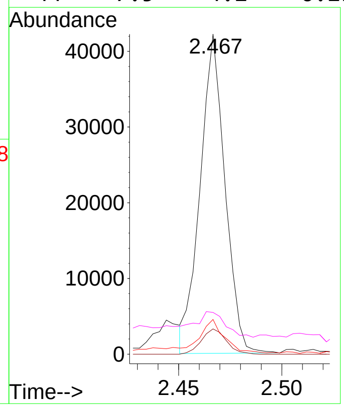
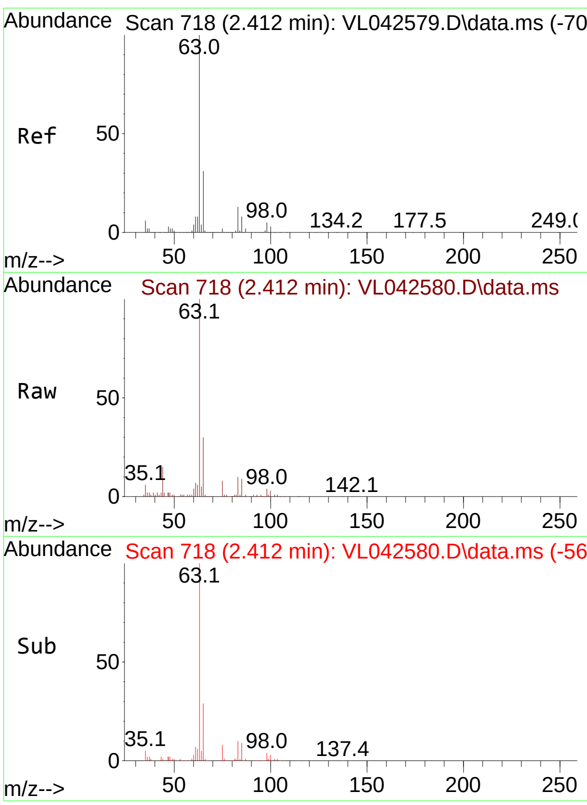
Tgt Ion: 43 Resp: 3537

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	9.8
42	10.5	7.0	10.4#
44	7.5	4.2	6.2#

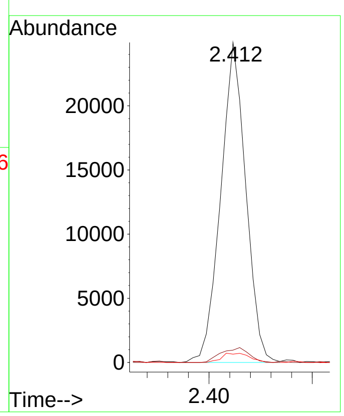


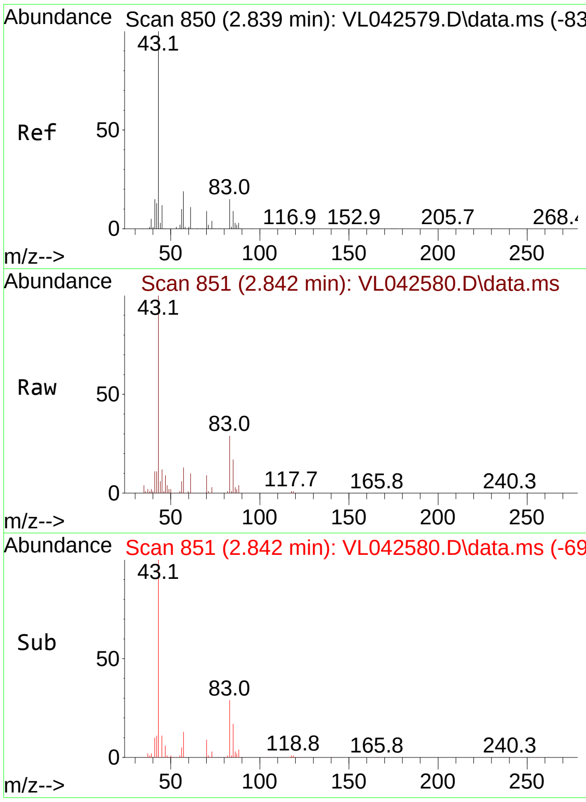


#24
1,1-Dichloroethane
Concen: 2.100 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 63 Resp: 21077

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.1
100	2.6	1.4	4.0





#25
Ethyl Acetate
Concen: 2.070 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 7161

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.6	7.1	10.7
70	8.4	6.4	9.6

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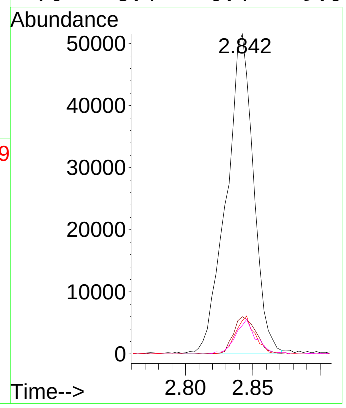
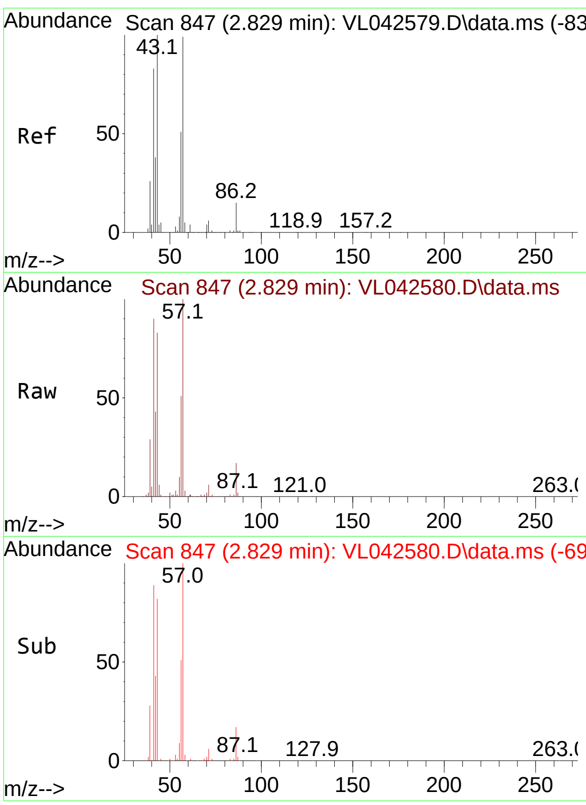
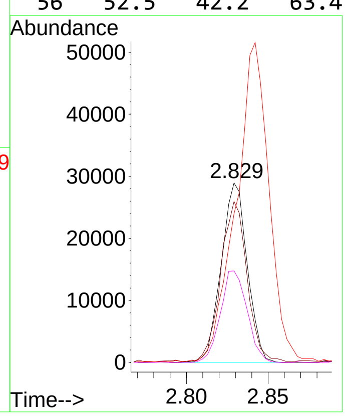


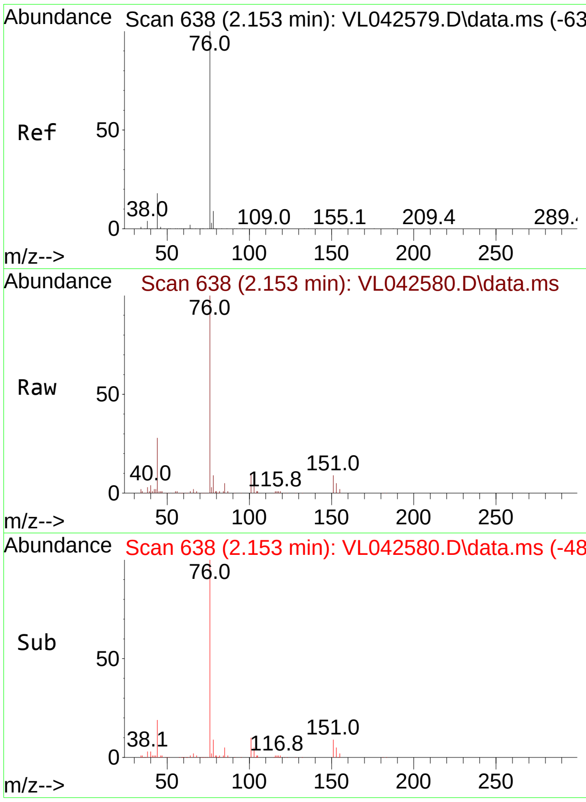


#26
Hexane
Concen: 2.037 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 57 Resp: 32018

Ion	Ratio	Lower	Upper
57	100		
41	95.0	70.6	106.0
43	228.7	181.1	271.7
56	52.5	42.2	63.4





#27
Carbon Disulfide
Concen: 2.084 ppbv
RT: 2.153 min   Scan# 6
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 76 Resp: 2514

Ion	Ratio	Lower	Upper
76	100		
44	53.4	21.3	31.9#
78	13.6	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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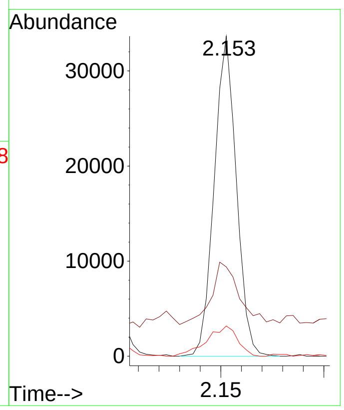
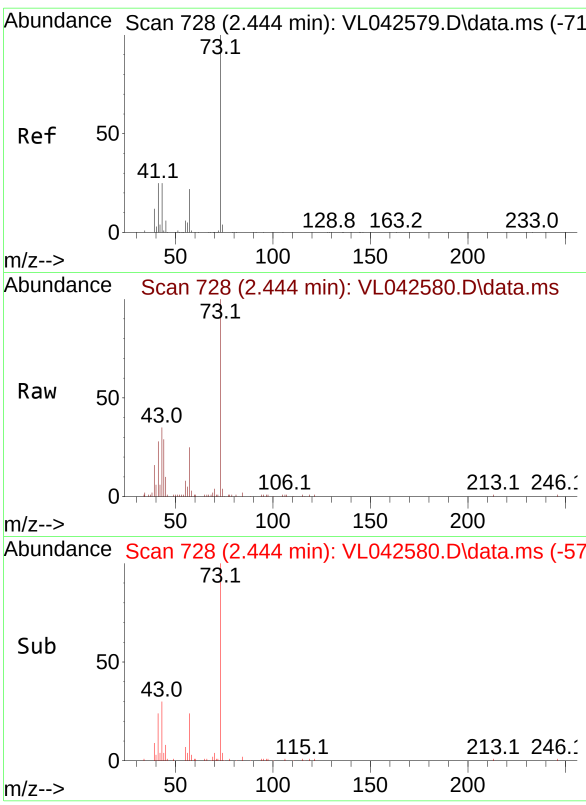
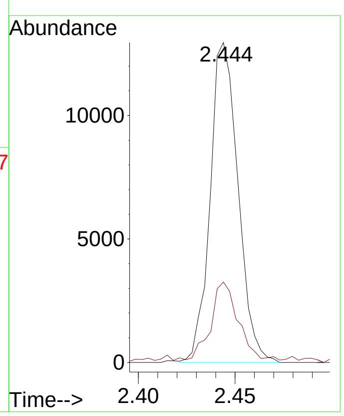


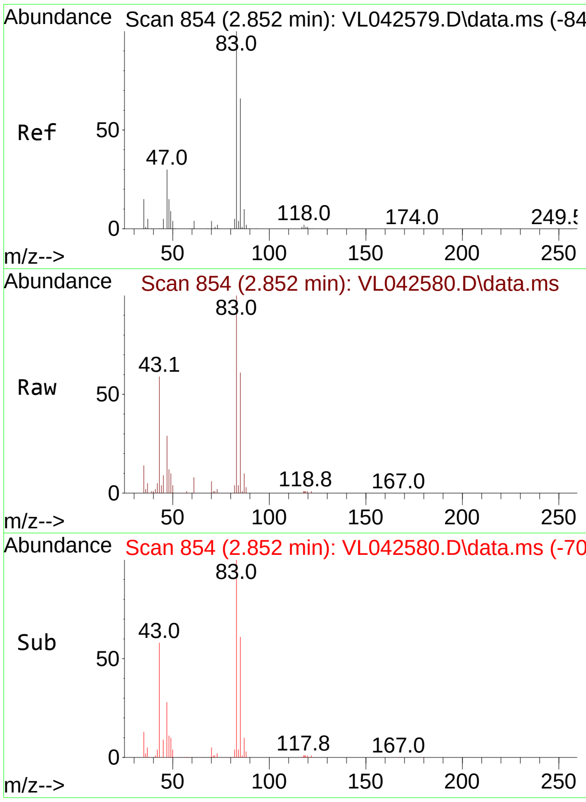


#28
Methyl tert-Butyl Ether
Concen: 2.044 ppbv
RT: 2.444 min   Scan# 728
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 73 Resp: 13034

Ion	Ratio	Lower	Upper
73	100		
57	30.2	19.9	29.9#





#29
Chloroform
Concen: 2.089 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 4269

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.8	79.2

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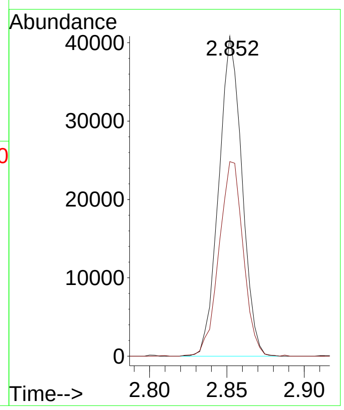
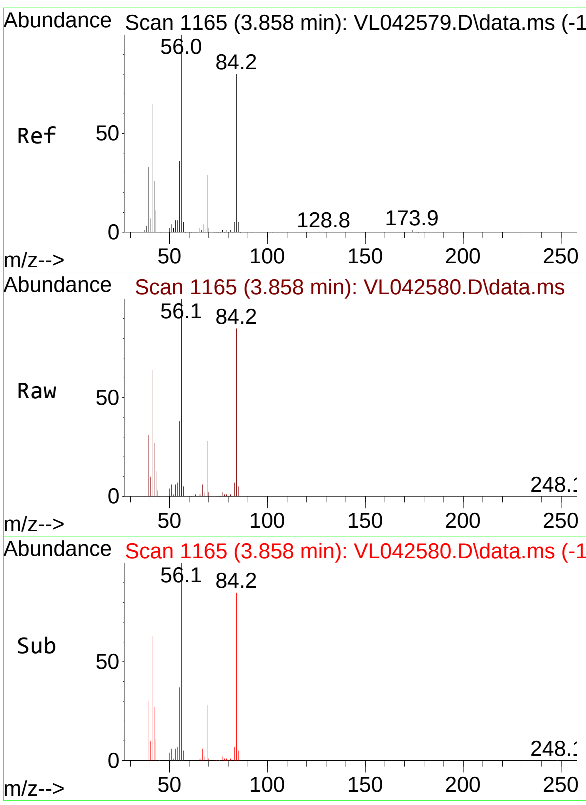
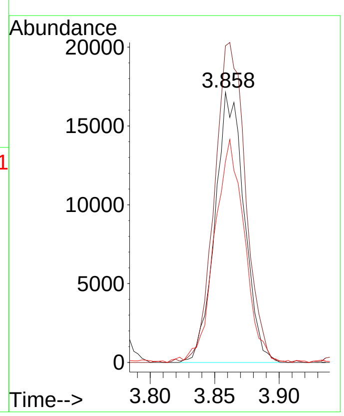


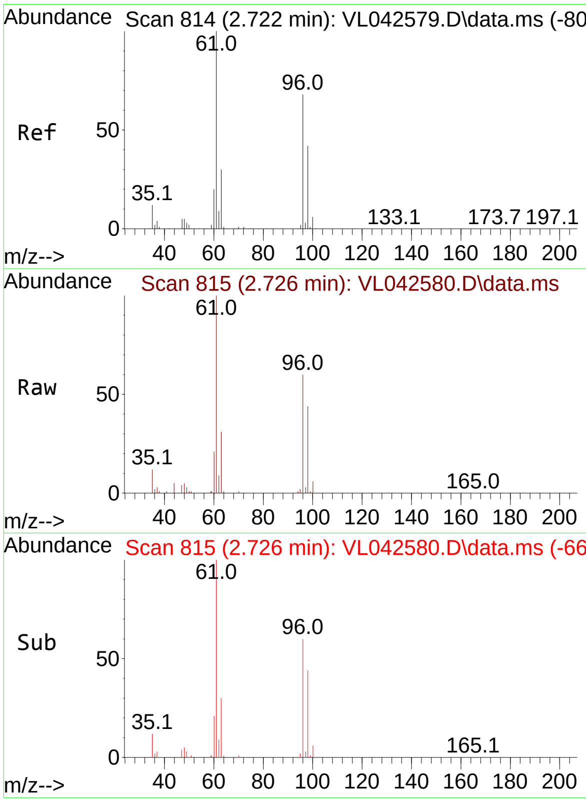


#30
Cyclohexane
Concen: 2.075 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 84 Resp: 27030

Ion	Ratio	Lower	Upper
84	100		
56	126.0	103.7	155.5
41	85.5	65.1	97.7





#31
cis-1,2-Dichloroethene
Concen: 2.138 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 3073

Ion	Ratio	Lower	Upper
61	100		
96	60.3	54.5	81.7
98	44.1	33.4	50.2

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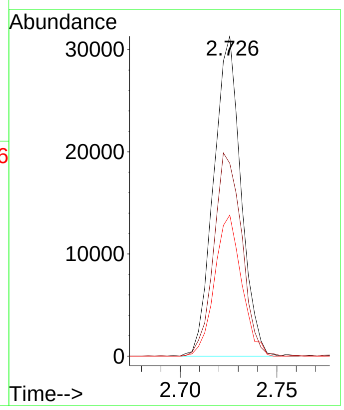
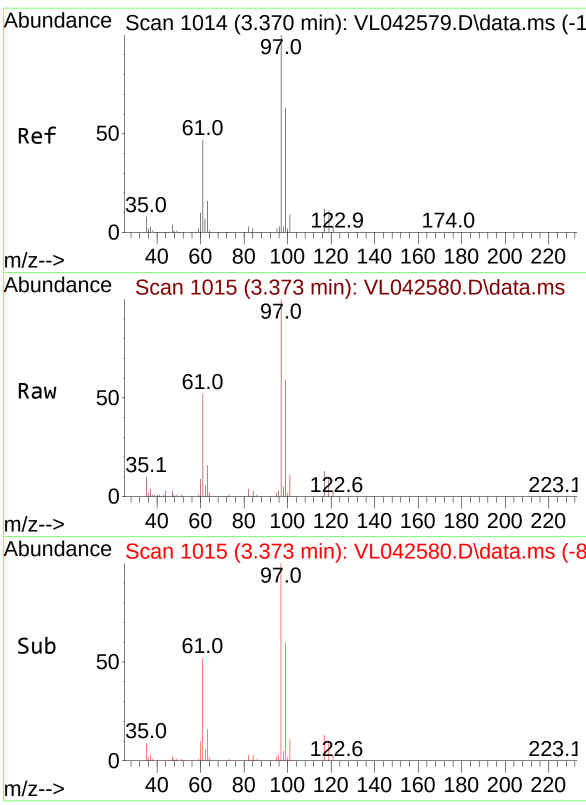
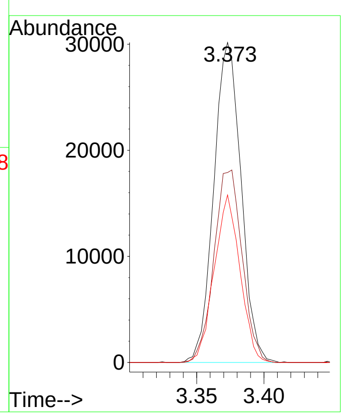


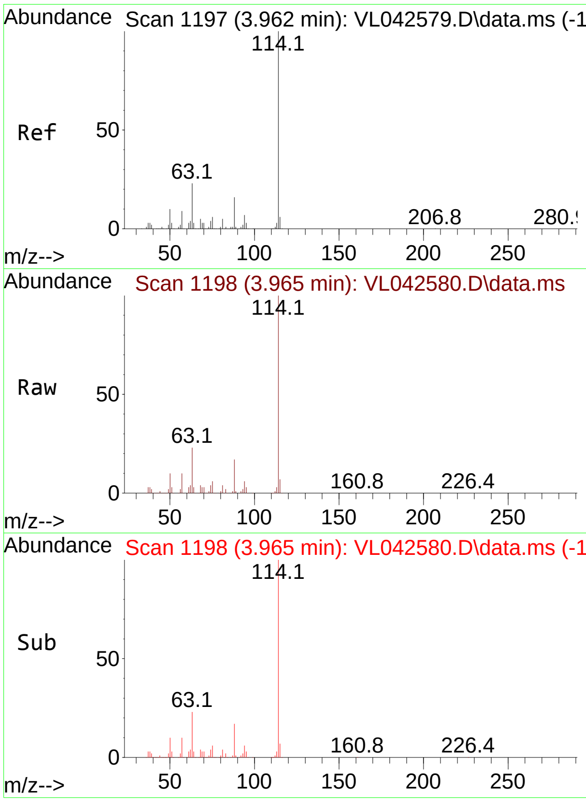


#32
1,1,1-Trichloroethane
Concen: 2.077 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 97 Resp: 42588

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.0	76.6
61	49.5	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 31009

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.0	28.6
88	17.1	13.6	20.4

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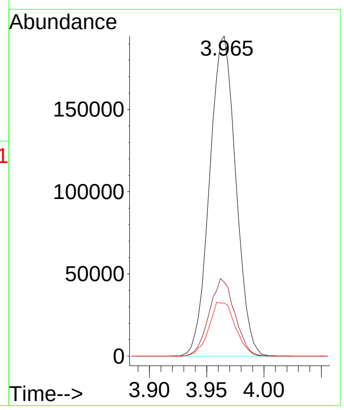
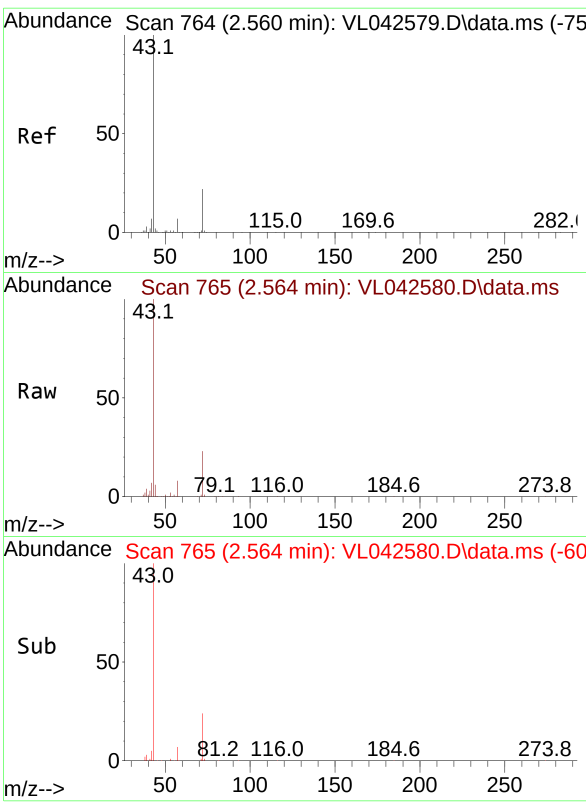
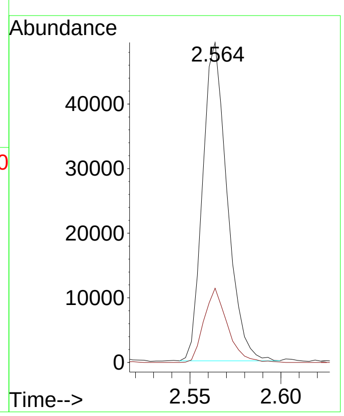


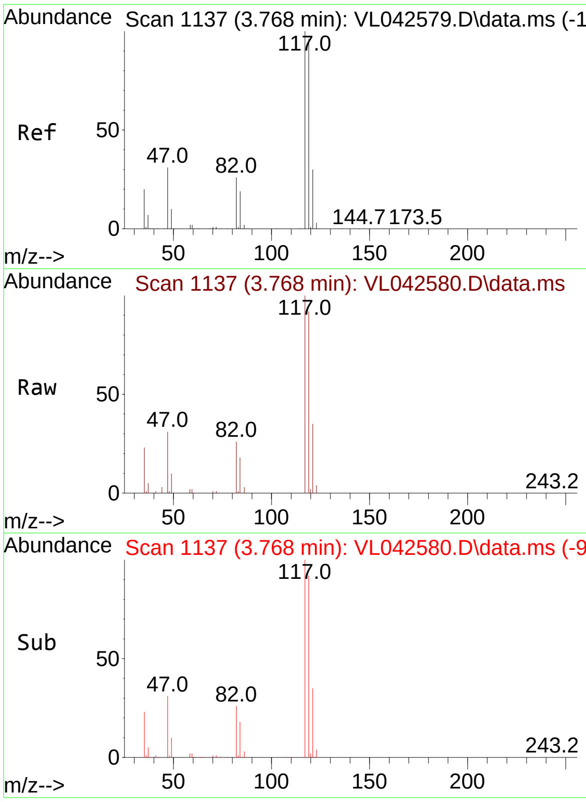


#34
2-Butanone
Concen: 2.093 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 46279

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.7	26.5





#35
Carbon Tetrachloride
Concen: 2.029 ppbv
RT: 3.768 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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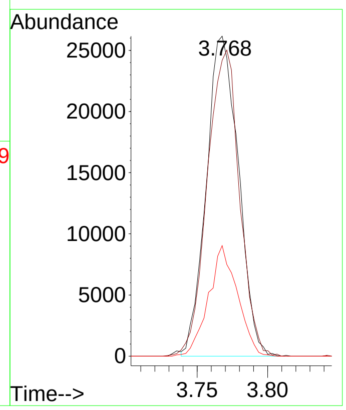
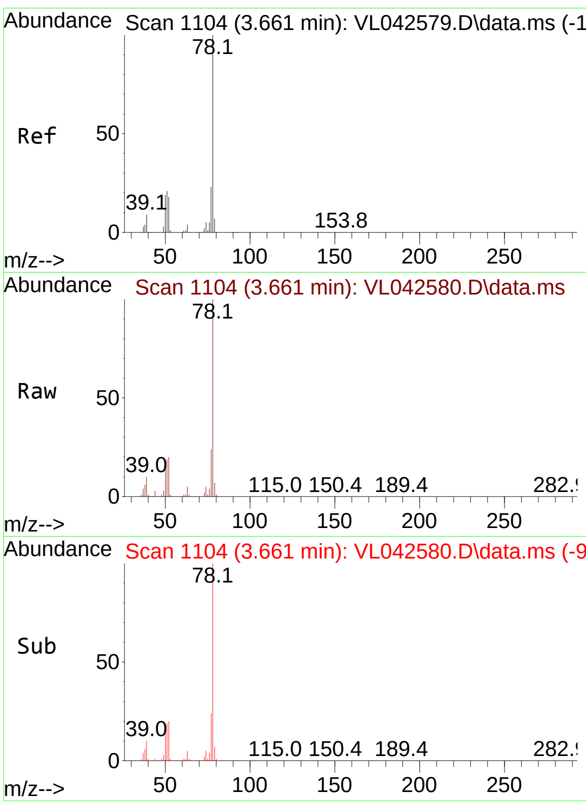
Tgt Ion:117 Resp: 4154

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.8	115.2
121	34.6	24.3	36.5

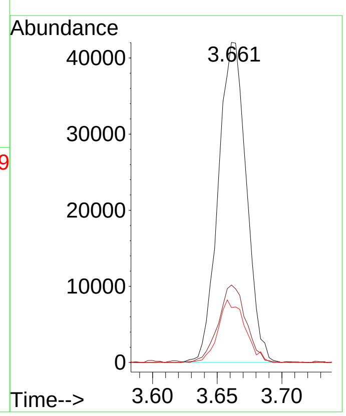


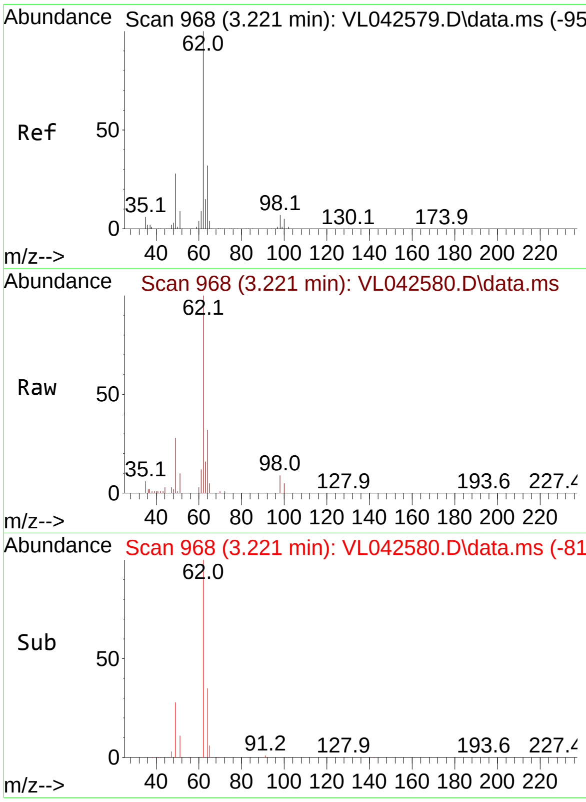


#36
Benzene
Concen: 2.086 ppbv
RT: 3.661 min   Scan# 1104
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 78 Resp: 63709

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.2
50	17.2	15.2	22.8





#37
1,2-Dichloroethane
Concen: 2.097 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 62 Resp: 3183

Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.1	9.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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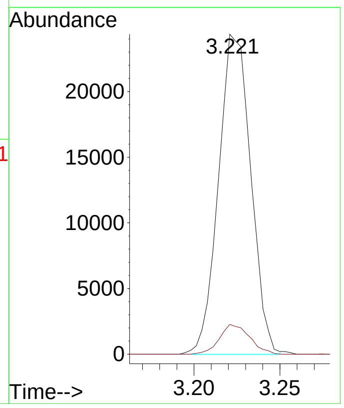
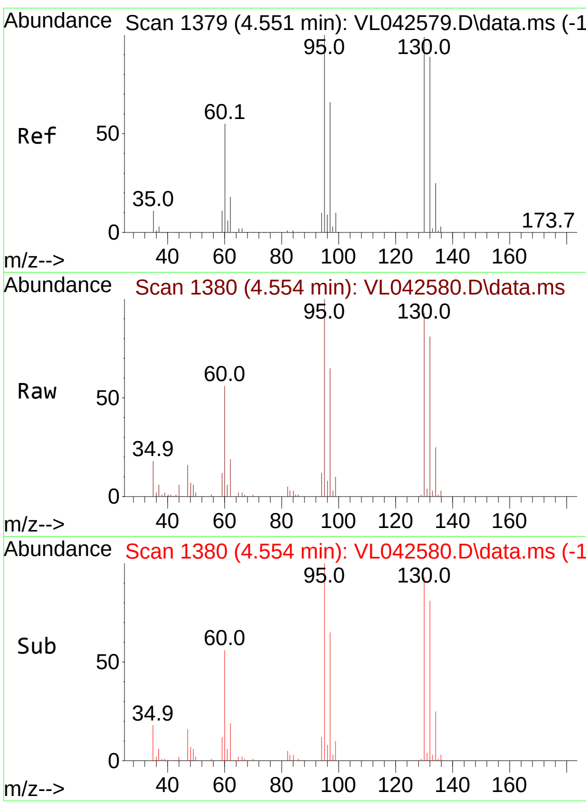
Supervised By :Mahesh Dadoda 05/30/2025

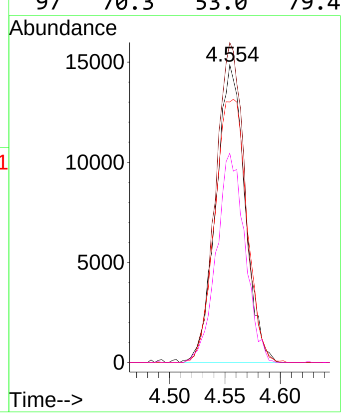


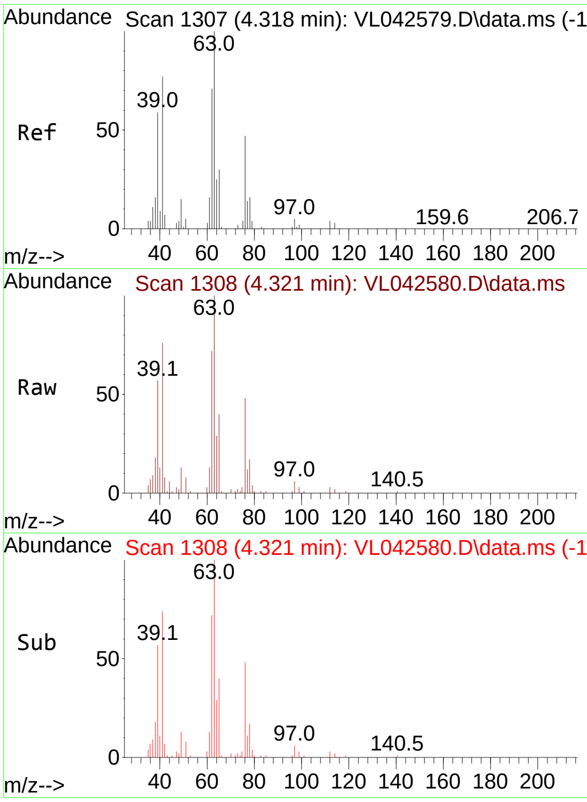


#38
Trichloroethene
Concen: 2.075 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:130 Resp: 27139

Ion	Ratio	Lower	Upper
130	100		
95	107.5	80.6	121.0
132	87.5	71.8	107.6
97	70.3	53.0	79.4





#39
1,2-Dichloropropane
Concen: 2.050 ppbv
RT: 4.321 min Scan# 1:
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 2314

Ion	Ratio	Lower	Upper
63	100		
41	74.8	61.8	92.6
62	72.4	56.6	85.0

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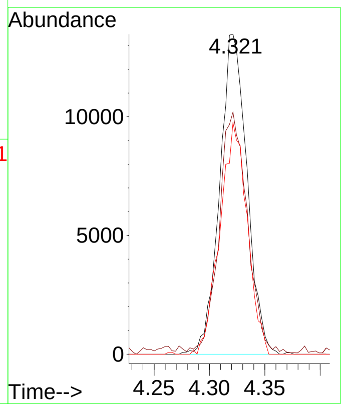
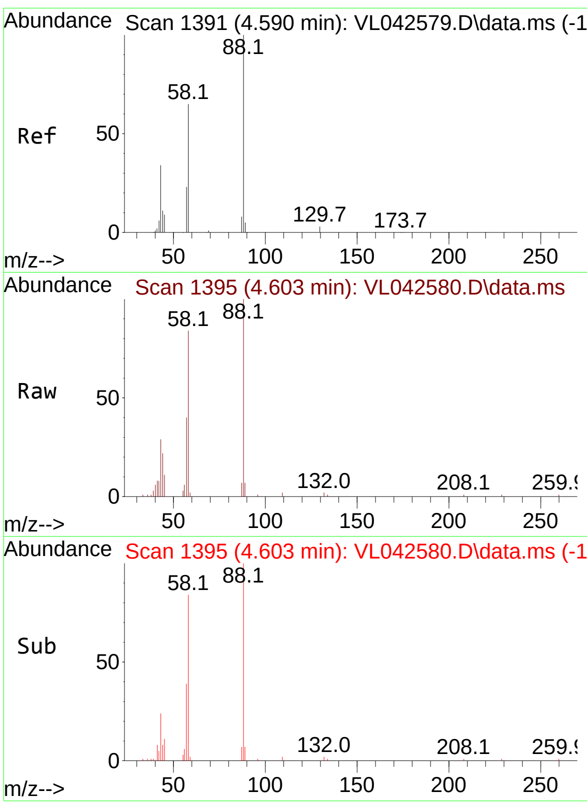
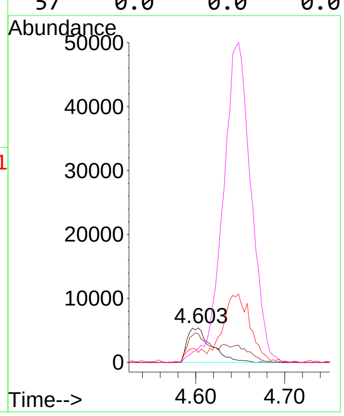


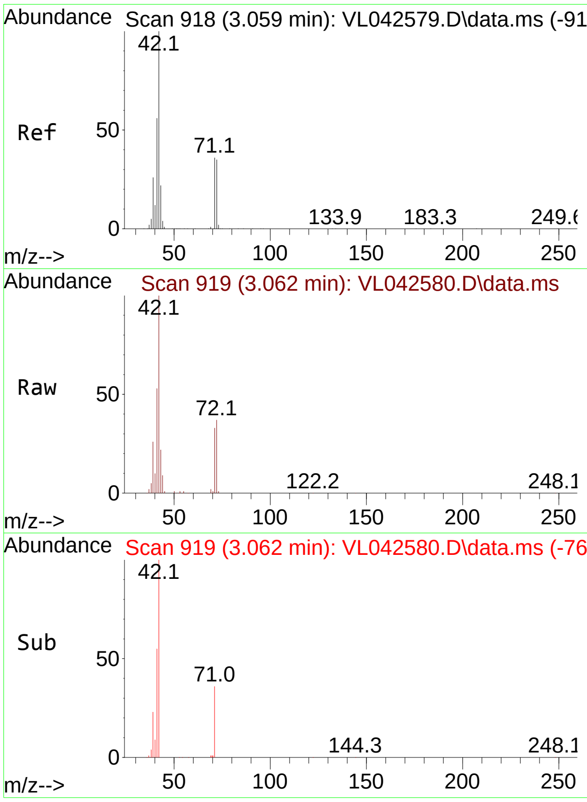


#40
1,4-Dioxane
Concen: 2.173 ppbv m
RT: 4.603 min Scan# 1395
Delta R.T. 0.013 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 88 Resp: 10426

Ion	Ratio	Lower	Upper
88	100		
58	131.2	55.8	83.8#
43	0.0	24.8	37.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 2.039 ppbv
RT: 3.062 min   Scan# 9
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 42 Resp: 2639

Ion	Ratio	Lower	Upper
42	100		
72	39.2	28.9	43.3
71	37.1	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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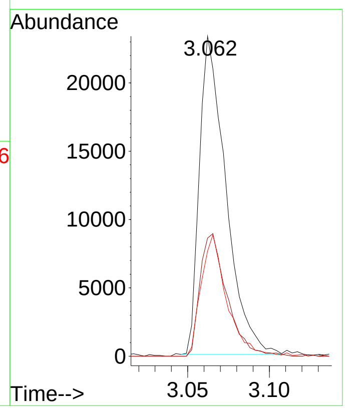
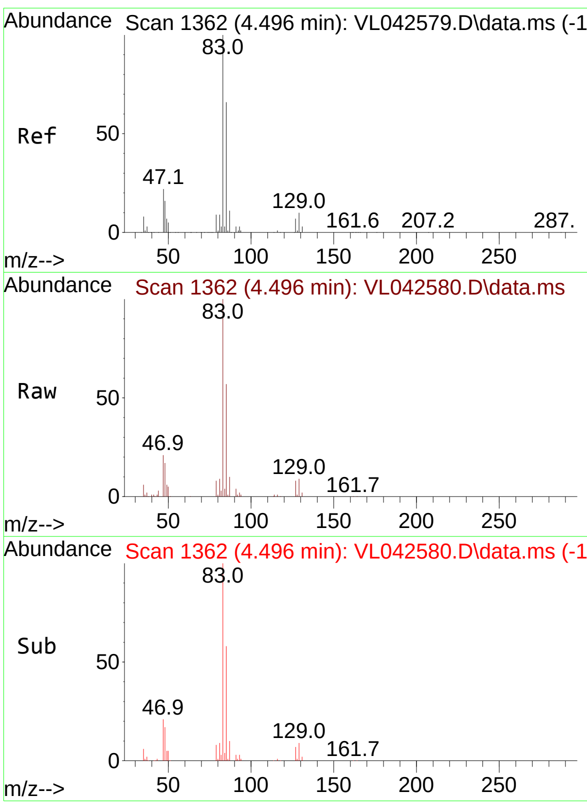
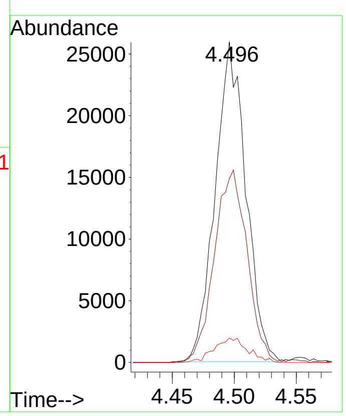


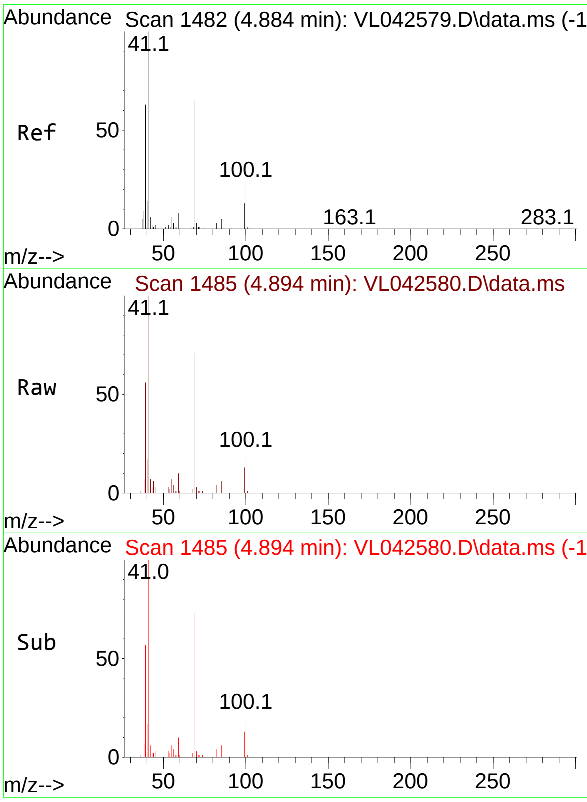


#42
Bromodichloromethane
Concen: 2.074 ppbv
RT: 4.496 min   Scan# 1362
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 83 Resp: 44705

Ion	Ratio	Lower	Upper
83	100		
85	57.1	52.7	79.1
127	7.7	5.8	8.6

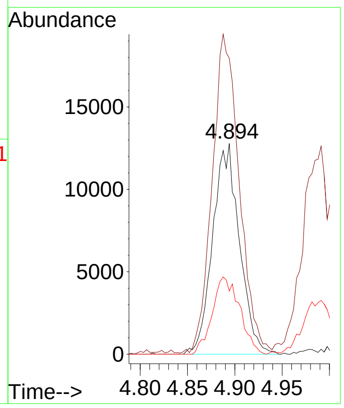




#43
Methyl Methacrylate
Concen: 2.126 ppbv m
RT: 4.894 min Scan# 14
Delta R.T. 0.010 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 69 Resp: 25150

Ion	Ratio	Lower	Upper
69	100		
41	153.1	124.6	187.0
100	37.6	29.9	44.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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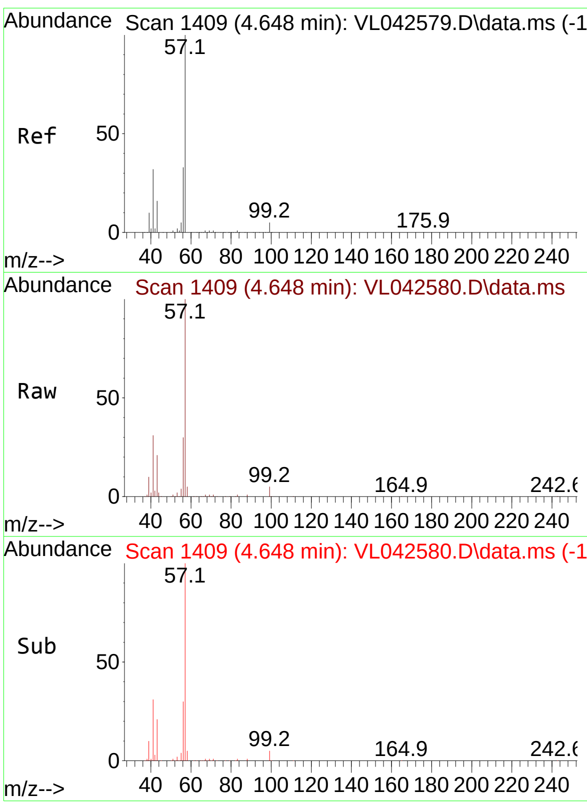
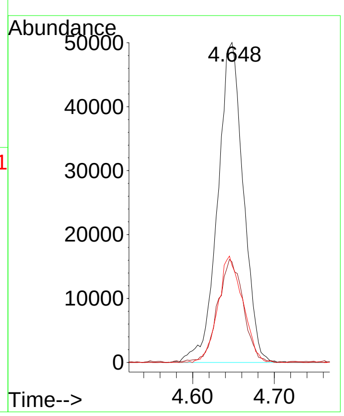
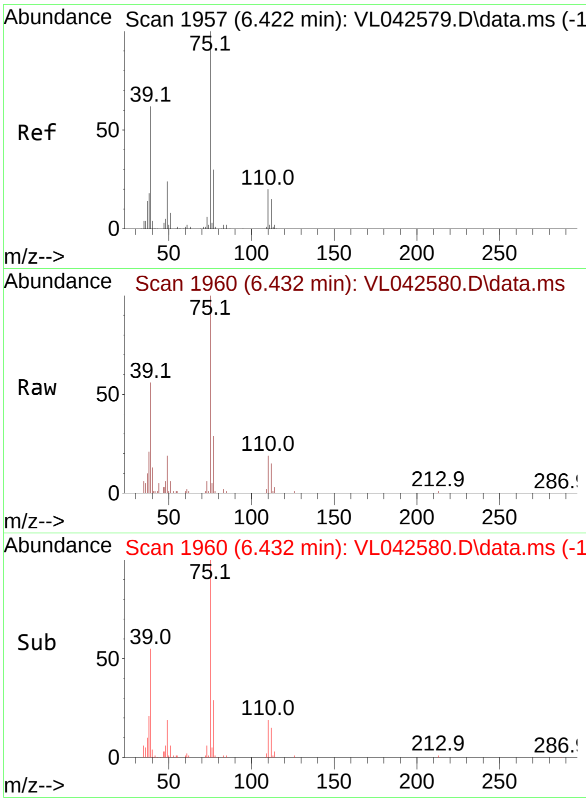


#44
2,2,4-Trimethylpentane
Concen: 2.097 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 57 Resp: 109446

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.1	39.1
56	32.4	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 2.085 ppbv m
RT: 6.432 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 75 Resp: 2827

Ion	Ratio	Lower	Upper
75	100		
77	28.8	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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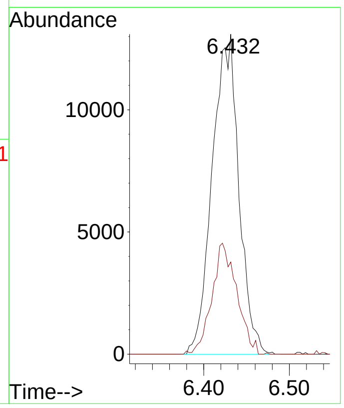
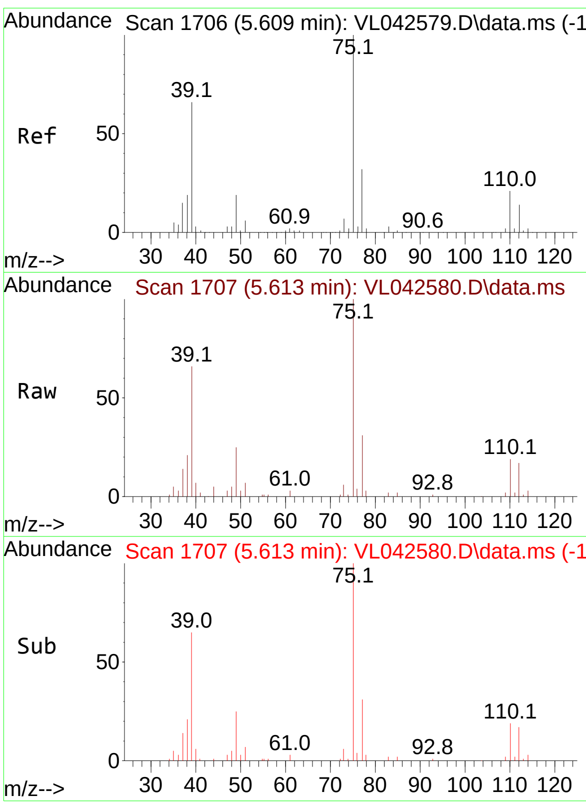
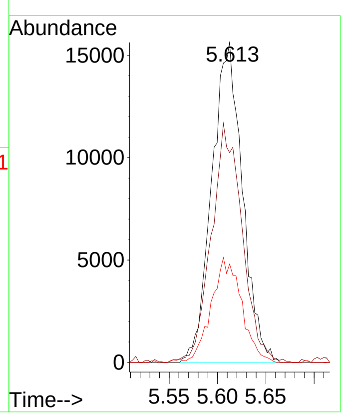


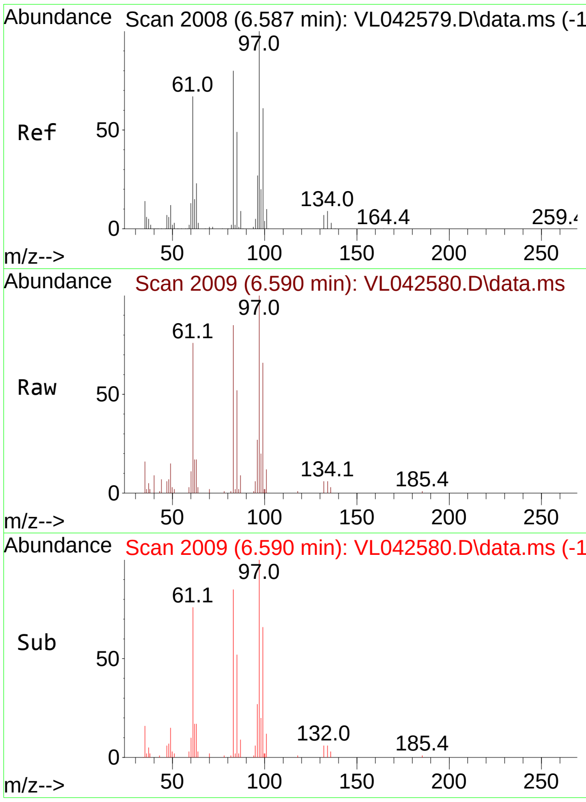


#46
cis-1,3-Dichloropropene
Concen: 2.027 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 75 Resp: 34445

Ion	Ratio	Lower	Upper
75	100		
39	64.9	52.7	79.1
77	30.7	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 2.092 ppbv
RT: 6.590 min Scan# 2(
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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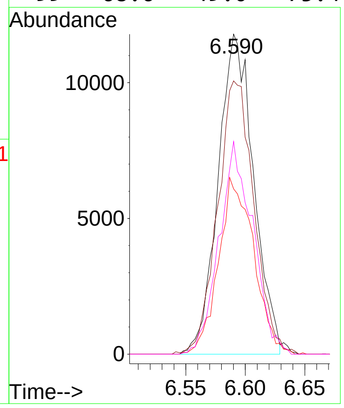
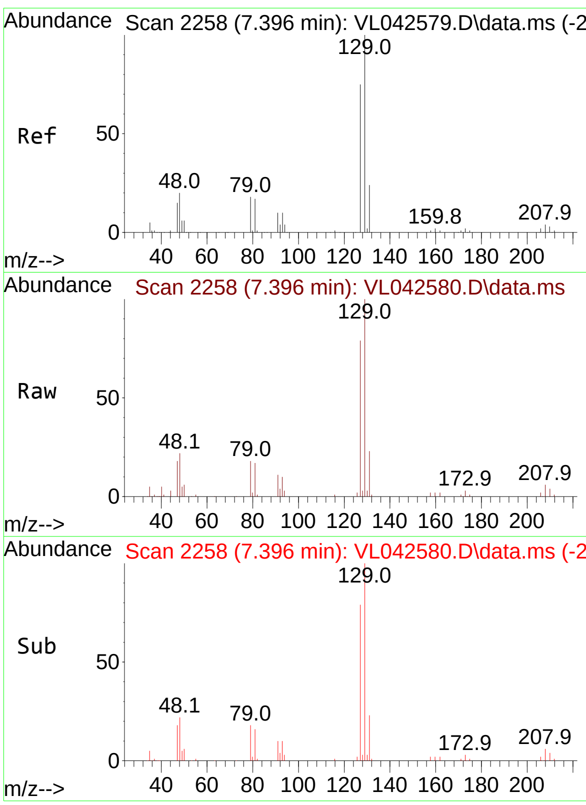
Tgt Ion: 97 Resp: 2445

Ion	Ratio	Lower	Upper
97	100		
83	84.9	63.9	95.9
85	51.7	39.2	58.8
99	68.6	49.0	73.4

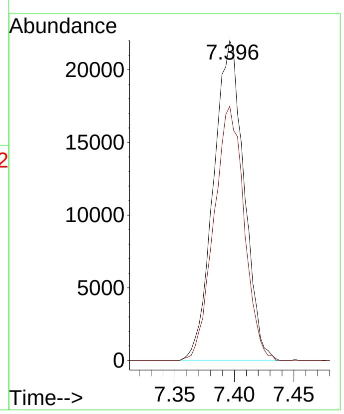


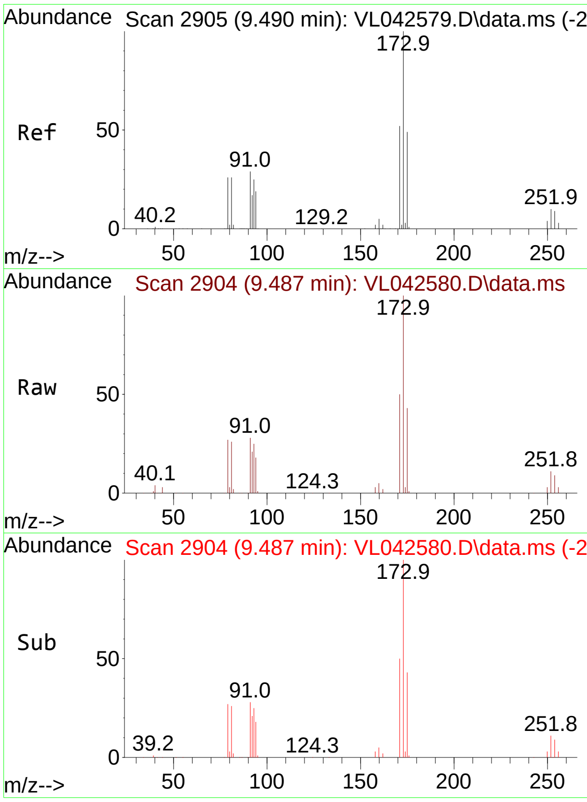


#48
Dibromochloromethane
Concen: 2.103 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:129 Resp: 39361

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	116.9





#49
Bromoform
Concen: 2.122 ppbv
RT: 9.487 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:173 Resp: 34270

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.7	58.1
171	52.5	41.2	61.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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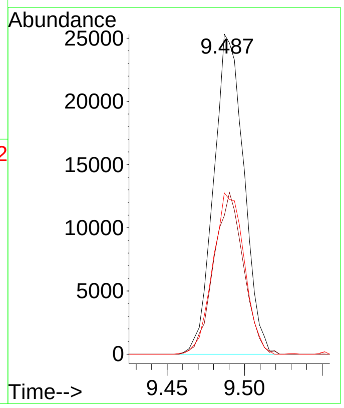
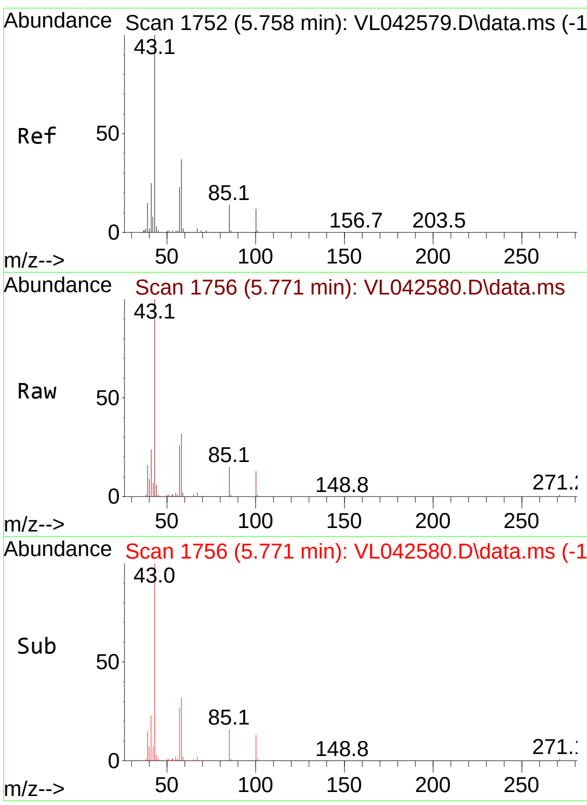
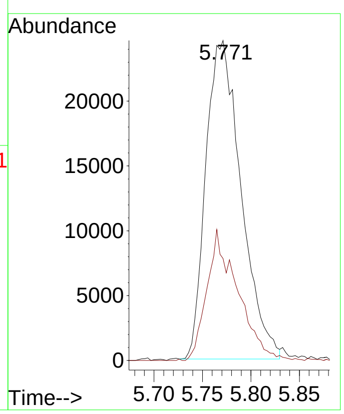




#50
4-Methyl-2-Pentanone
Concen: 2.018 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 62167

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.3	42.5



#51
2-Hexanone
Concen: 2.100 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 5107

Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.9	59.9
98	0.0	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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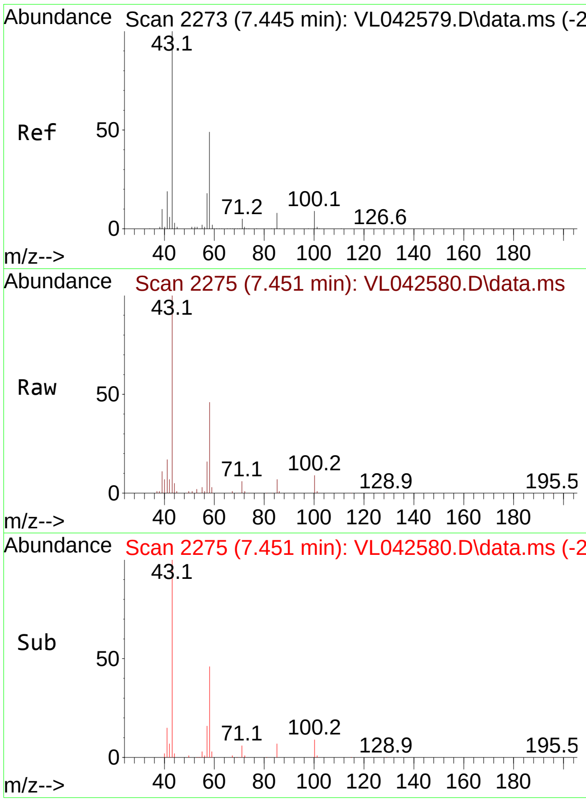
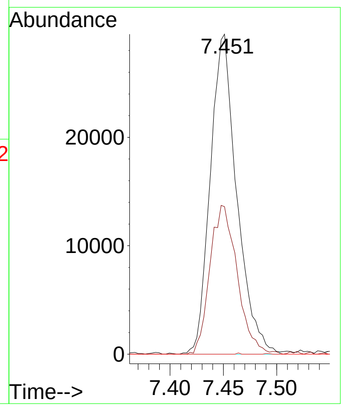
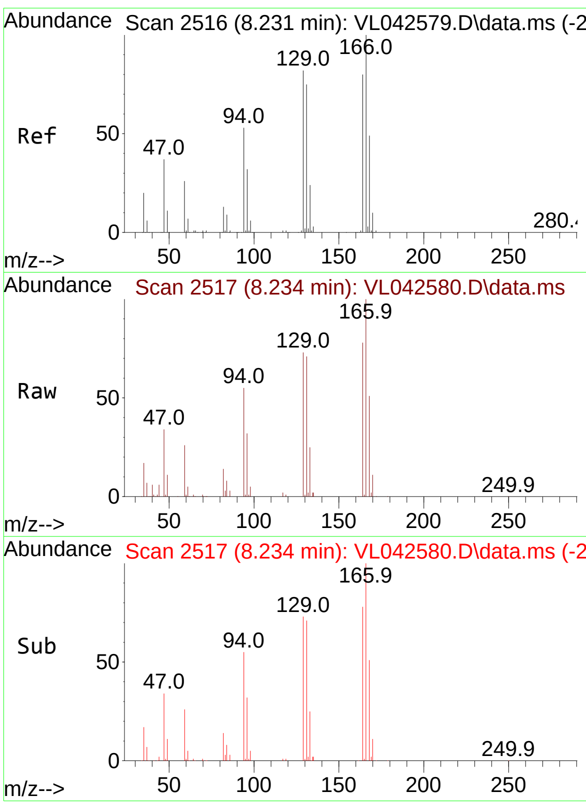


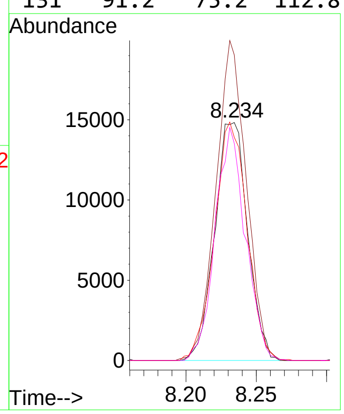


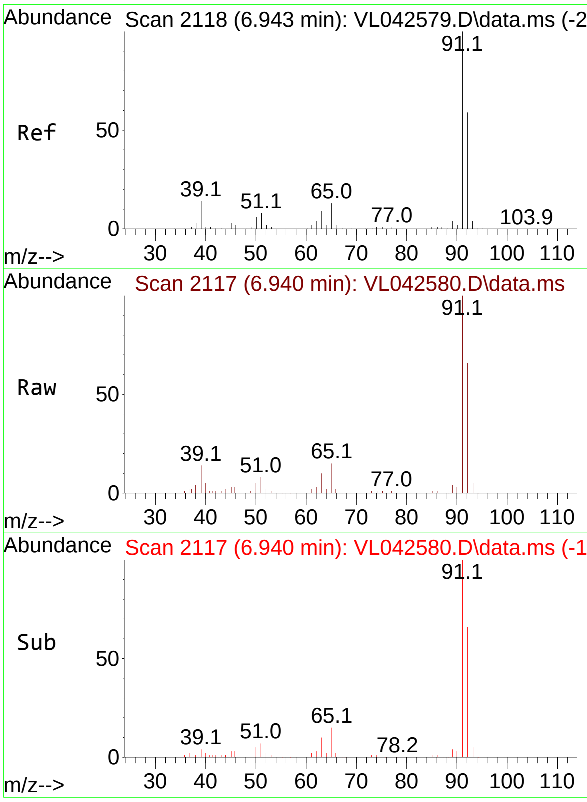
#52
Tetrachloroethene
Concen: 2.121 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:164 Resp: 24205

Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.0	150.0
129	93.8	82.2	123.4
131	91.2	75.2	112.8







#53
Toluene
Concen: 2.104 ppbv
RT: 6.940 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 7424

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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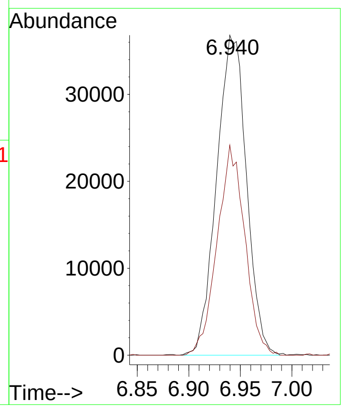
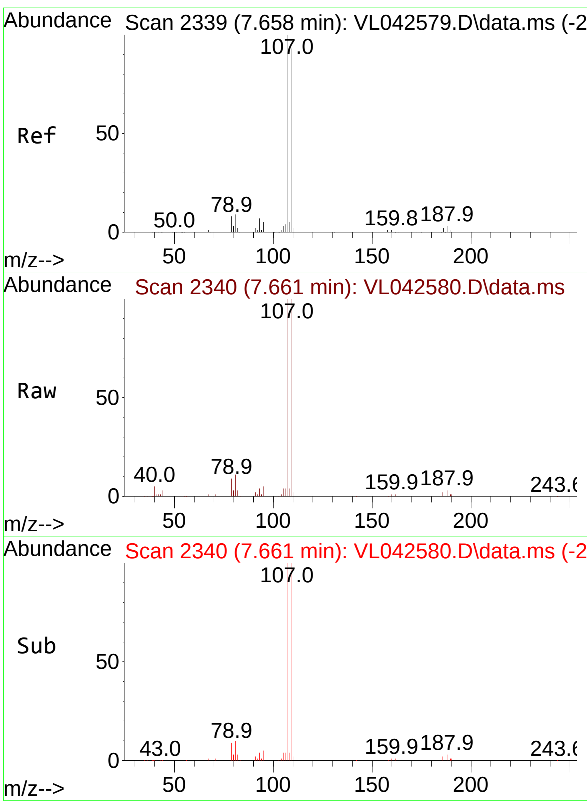
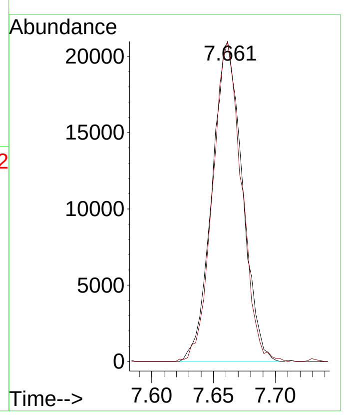


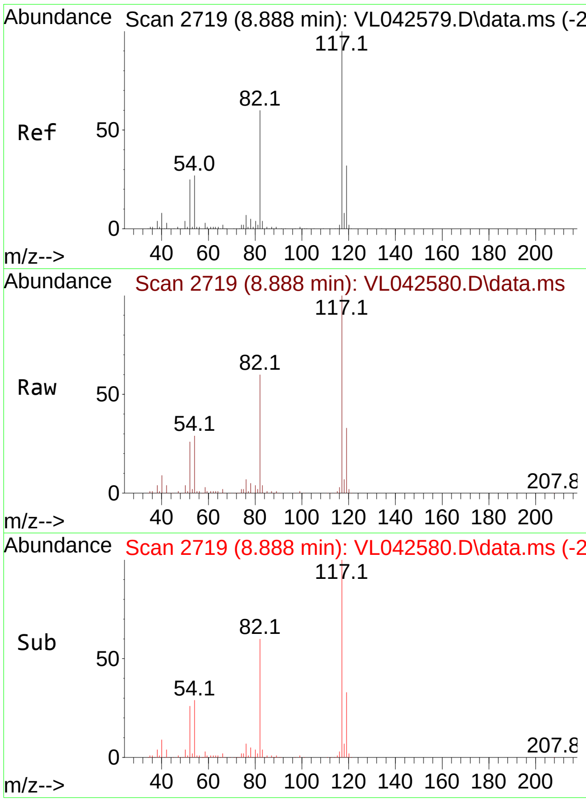


#54
1,2-Dibromoethane
Concen: 2.063 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:107 Resp: 35750

Ion	Ratio	Lower	Upper
107	100		
109	99.0	74.3	111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min   Scan# 2
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 28419

Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.2	76.8
119	32.8	26.3	39.5

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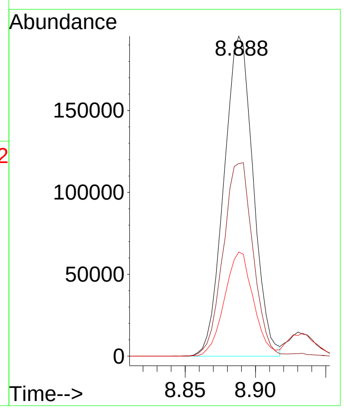
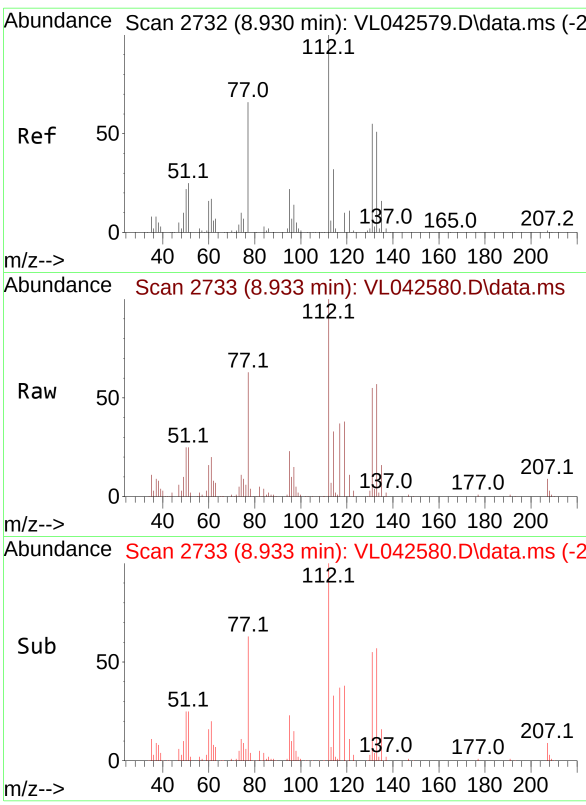
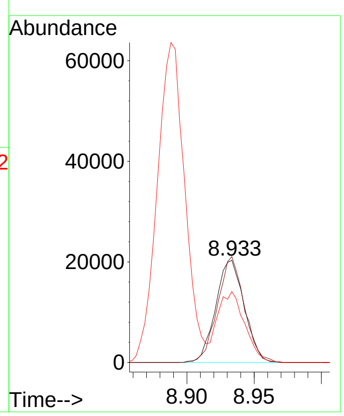


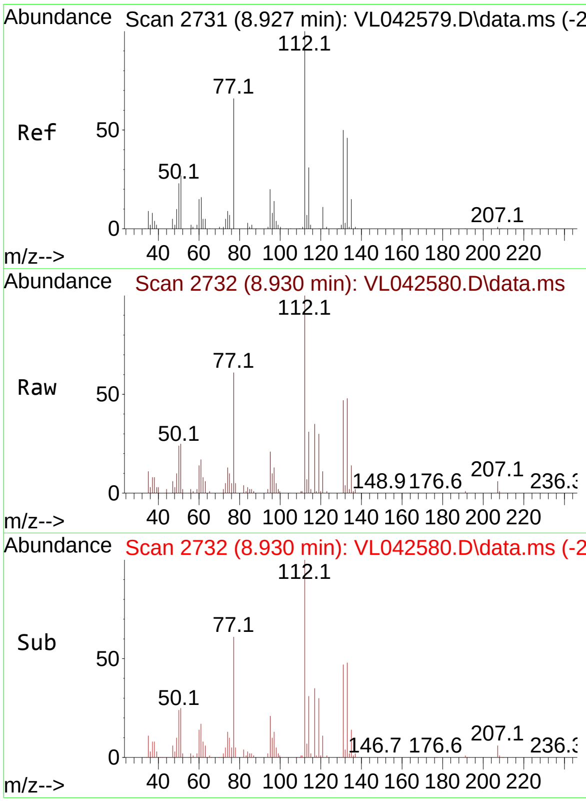


#56
1,1,1,2-Tetrachloroethane
Concen: 2.101 ppbv
RT: 8.933 min   Scan# 2733
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:131 Resp: 30026

Ion	Ratio	Lower	Upper
131	100		
133	97.4	75.0	112.6
119	64.5	50.8	76.2





#57
Chlorobenzene
Concen: 2.088 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 5761

Ion	Ratio	Lower	Upper
112	100		
77	61.2	53.5	80.3
114	31.3	27.8	34.0

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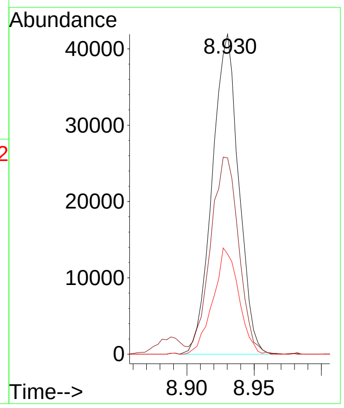
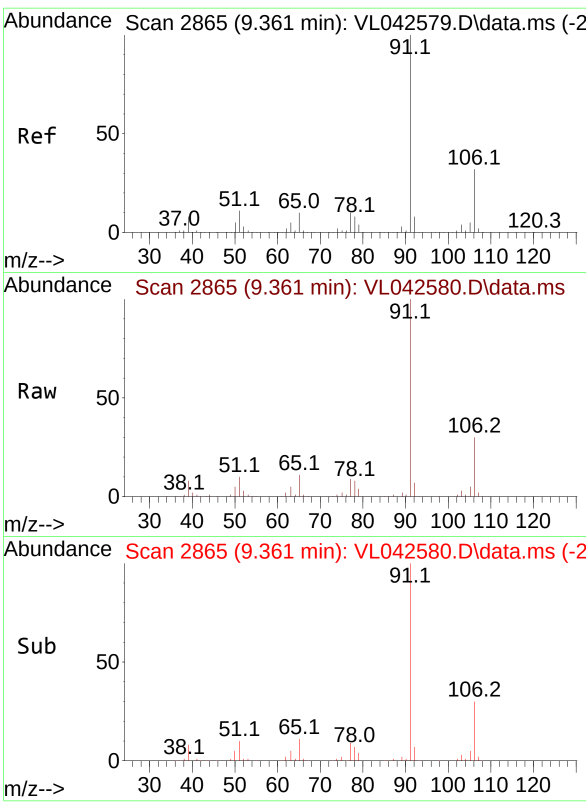
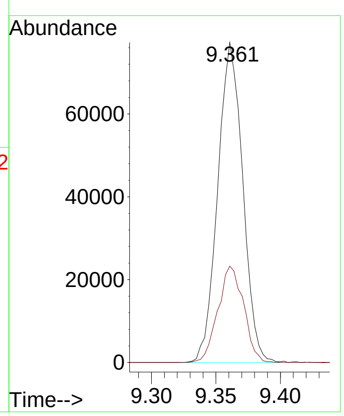


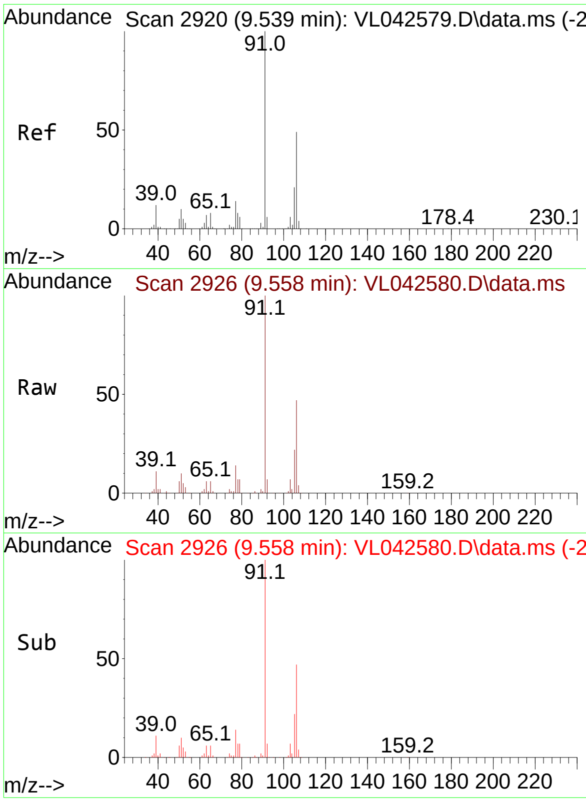


#58
Ethyl Benzene
Concen: 2.161 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 104171

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.9	38.9



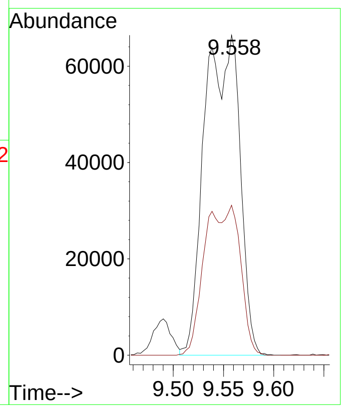


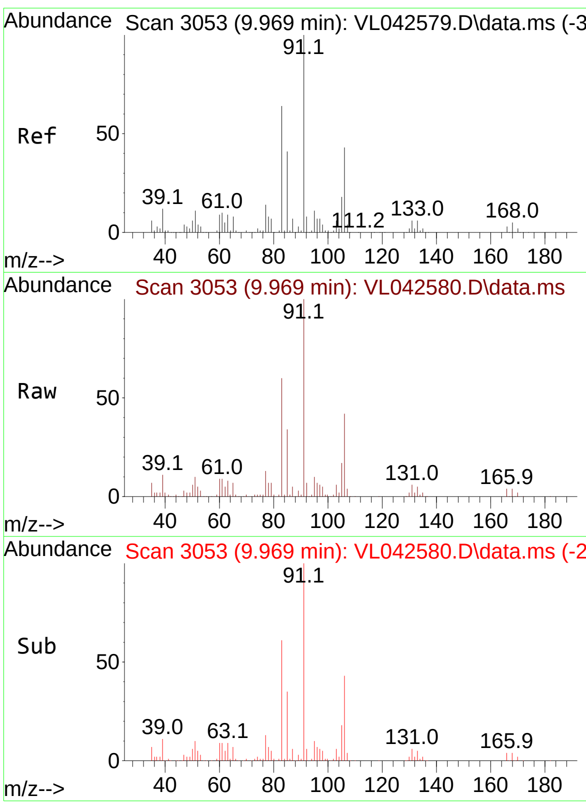
#59
m/p-Xylene
Concen: 4.288 ppbv m
RT: 9.558 min   Scan# 29
Delta R.T.   0.019 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 91 Resp: 162694
Ion   Ratio   Lower   Upper
 91   100
106   0.0   38.8   58.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

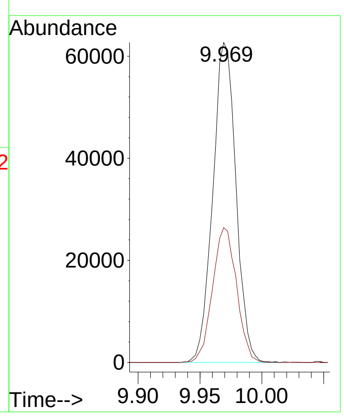
Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

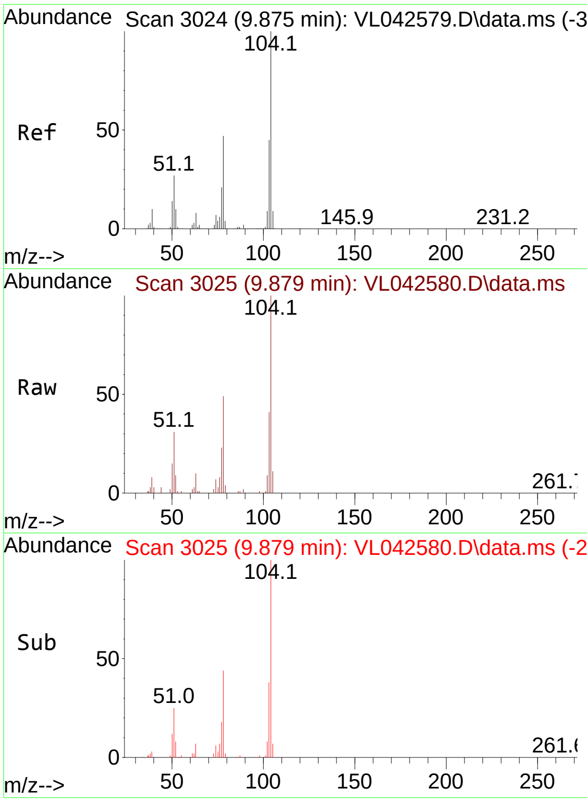




#60
o-Xylene
Concen: 2.164 ppbv
RT: 9.969 min   Scan# 3053
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 91 Resp: 81886
Ion   Ratio   Lower   Upper
 91   100
106   43.6   22.9   68.5





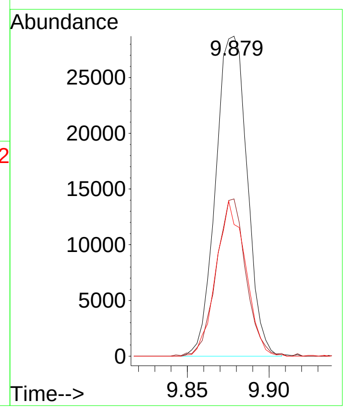
#61
Styrene
Concen: 2.154 ppbv
RT: 9.879 min Scan# 3(
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

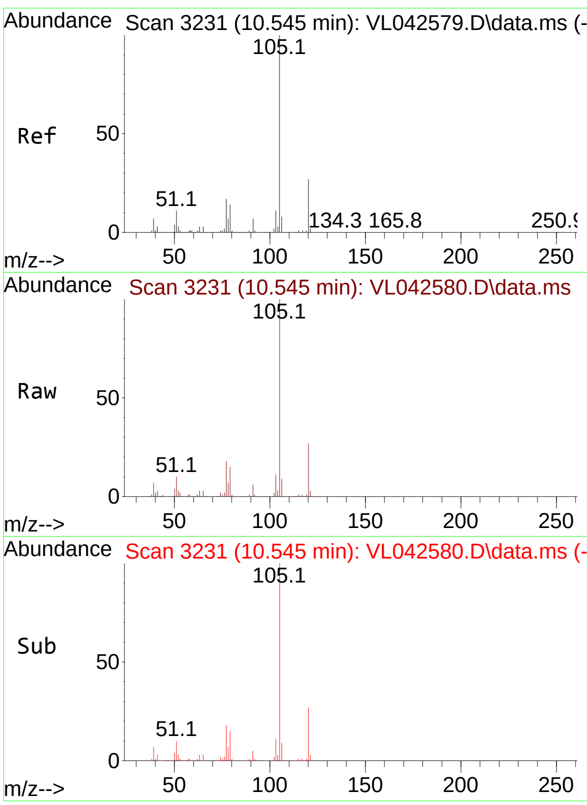
Tgt Ion:104 Resp: 3854

Ion	Ratio	Lower	Upper
104	100		
78	46.5	38.2	57.4
103	45.3	36.7	55.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

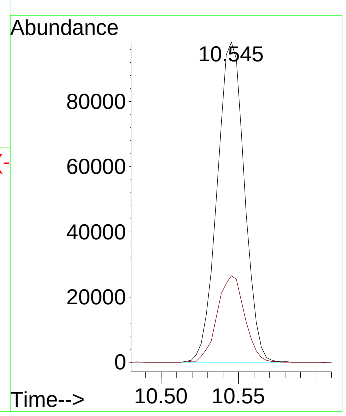


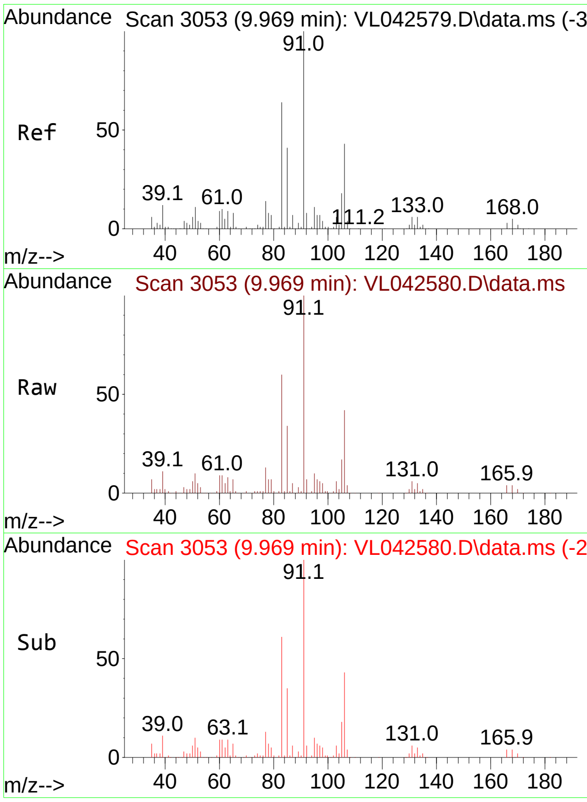


#62
Isopropylbenzene
Concen: 2.157 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 120576

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 2.020 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

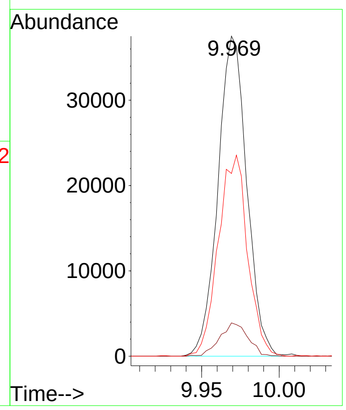
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

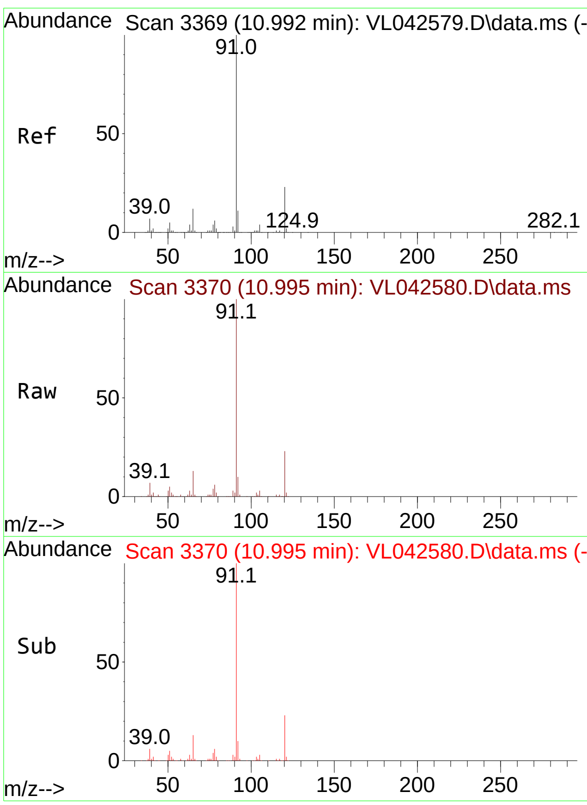
Tgt Ion: 83 Resp: 4859

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	63.8	32.5	97.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

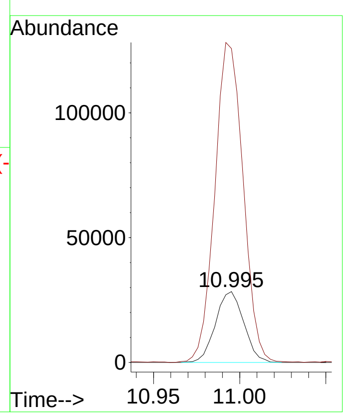




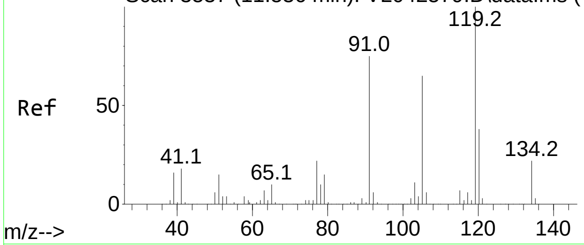
#64
n-propylbenzene
Concen: 2.163 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:120 Resp: 32406

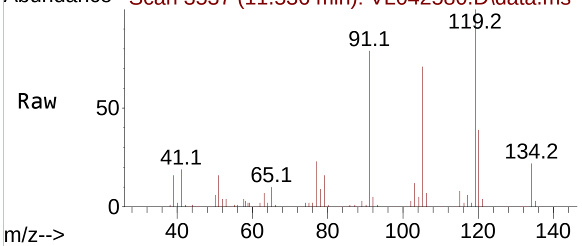
Ion	Ratio	Lower	Upper
120	100		
91	453.9	363.0	544.6



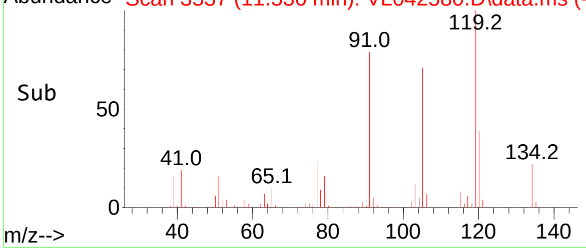
Abundance Scan 3537 (11.536 min): VL042579.D\data.ms (-



Abundance Scan 3537 (11.536 min): VL042580.D\data.ms



Abundance Scan 3537 (11.536 min): VL042580.D\data.ms (-



#65
tert-Butylbenzene
Concen: 2.176 ppbv
RT: 11.536 min Scan# 3!
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

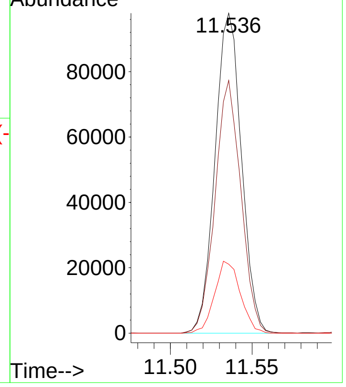
Tgt Ion:119 Resp: 110380

Ion	Ratio	Lower	Upper
119	100		
91	77.2	61.1	91.7
134	21.9	17.4	26.2

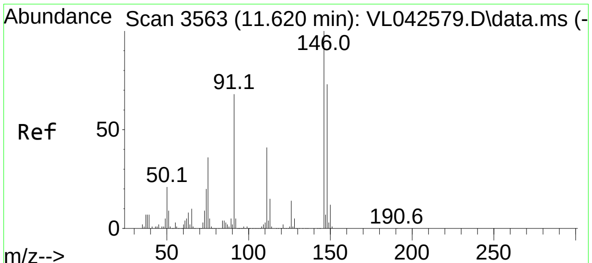
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

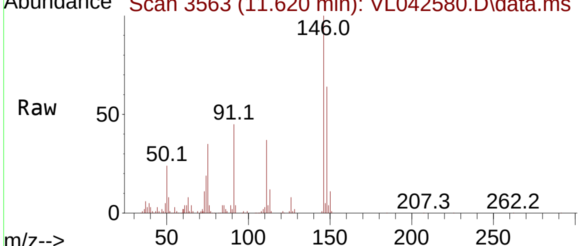
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



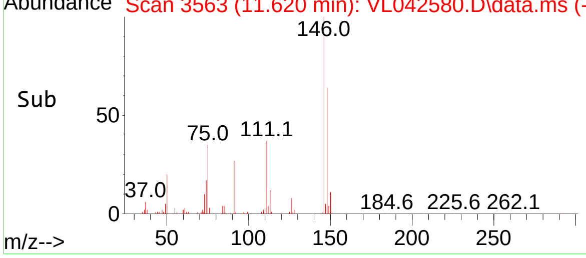
Abundance Scan 3563 (11.620 min): VL042579.D\data.ms (-



Abundance Scan 3563 (11.620 min): VL042580.D\data.ms



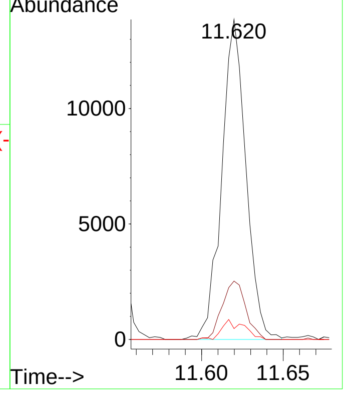
Abundance Scan 3563 (11.620 min): VL042580.D\data.ms (-

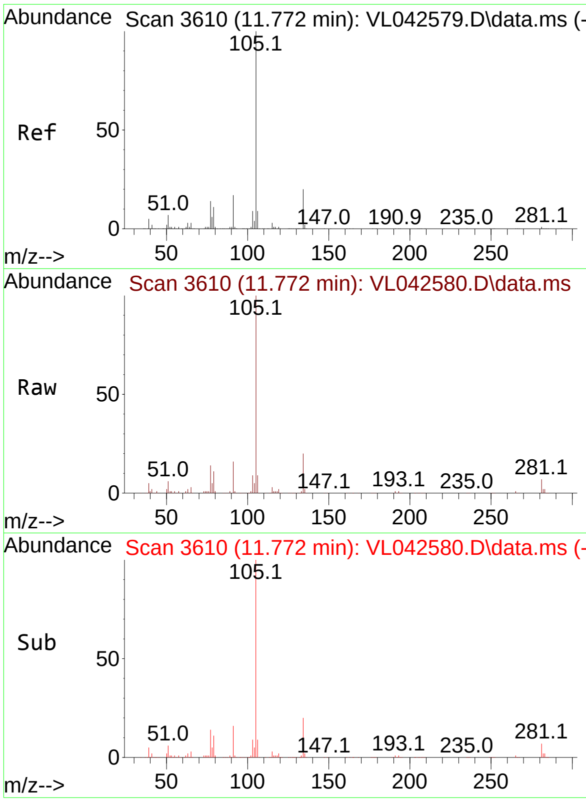


#66
Benzyl Chloride
Concen: 2.190 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 14327

Ion	Ratio	Lower	Upper
91	100		
126	17.8	15.1	22.7
128	5.7	5.0	7.6





#67
sec-Butylbenzene
Concen: 2.151 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

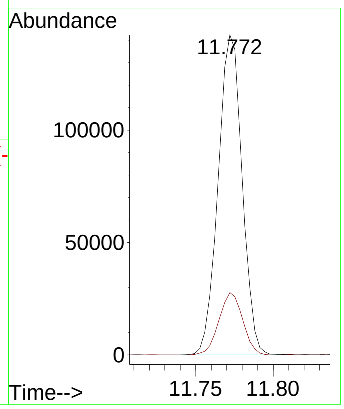
Tgt Ion:105 Resp: 15340

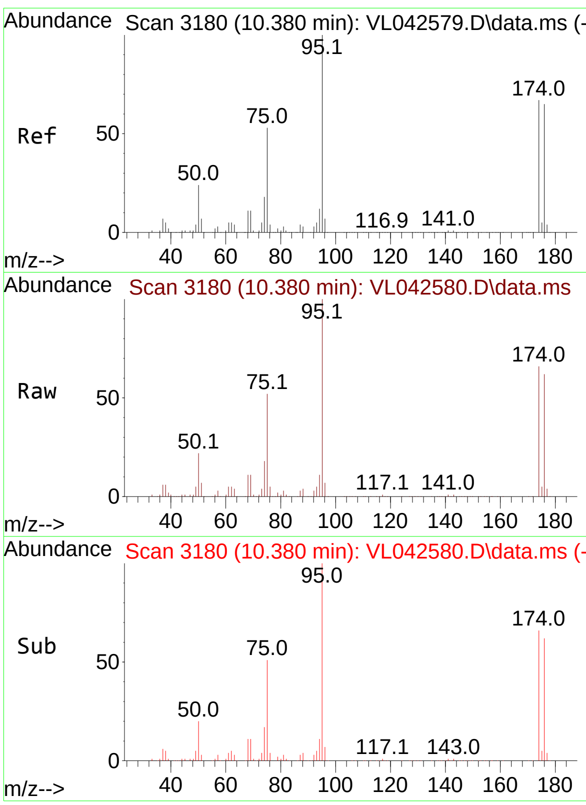
Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.8	23.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

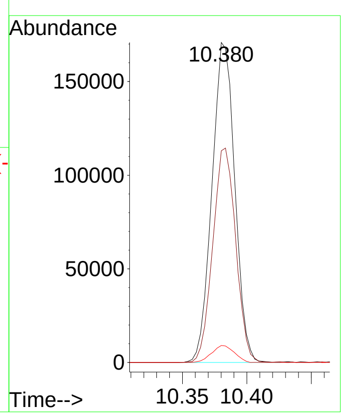


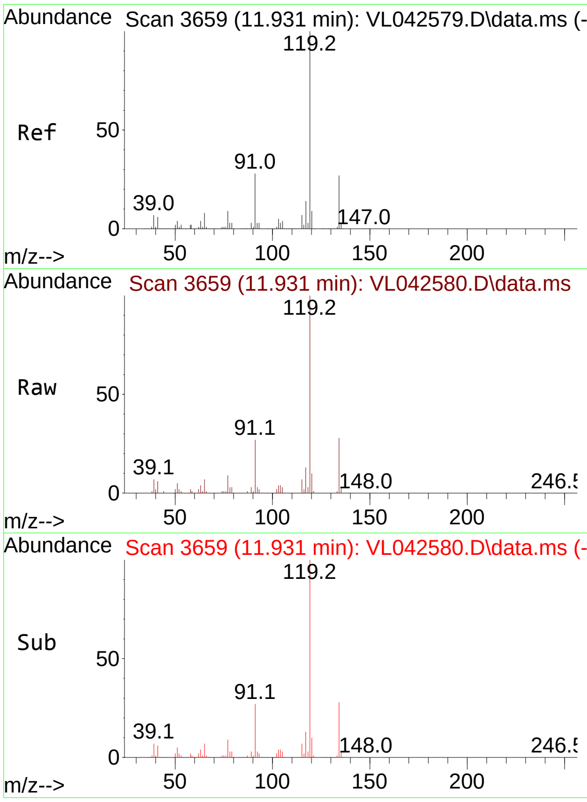


#68
1-Bromo-4-Fluorobenzene
Concen: 9.881 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 95 Resp: 210508

Ion	Ratio	Lower	Upper
95	100		
174	67.4	53.1	79.7
175	5.3	4.2	6.2





#69
p-Isopropyltoluene
Concen: 2.188 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 13064

Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.1	31.7
91	27.2	21.9	32.9

Manual Integrations
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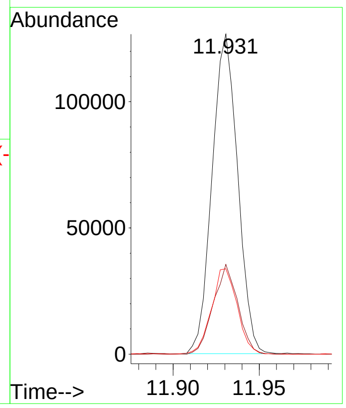
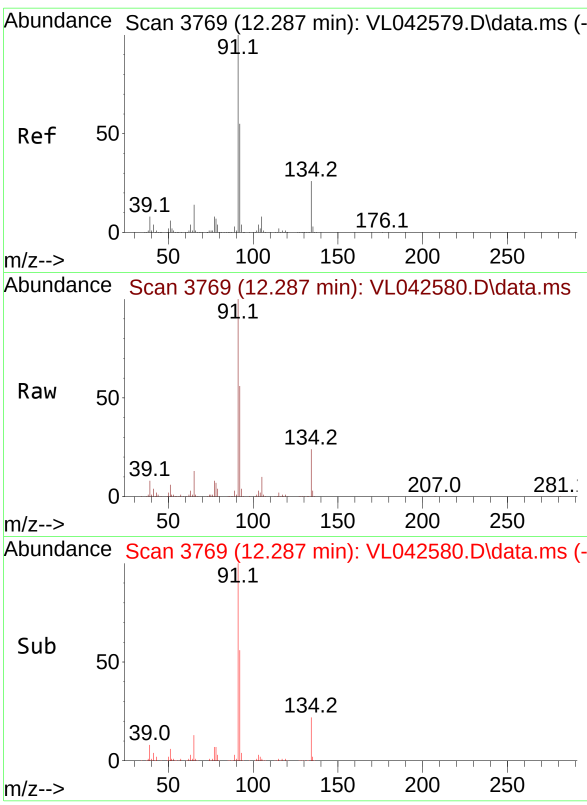
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

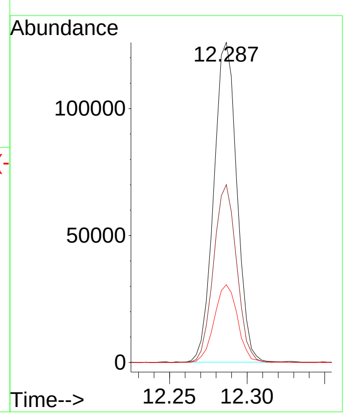


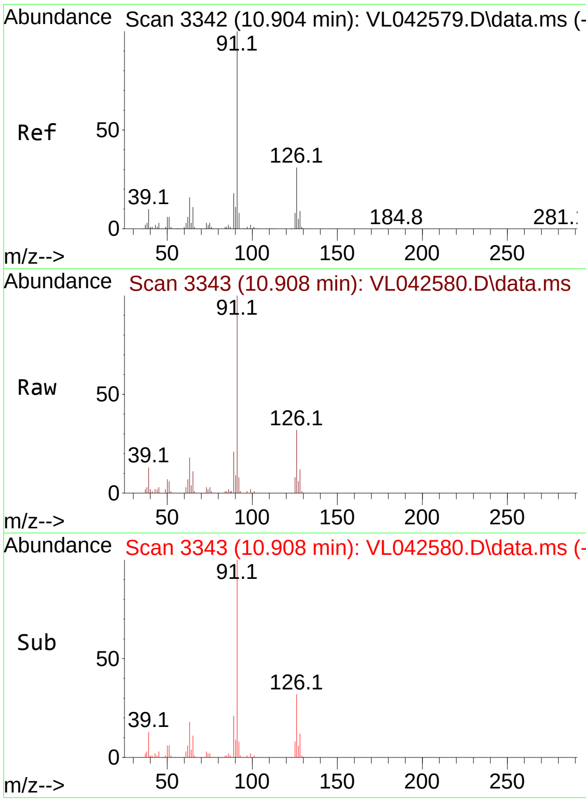


#70
n-Butylbenzene
Concen: 2.216 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 130662

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.4	66.6
134	24.6	20.1	30.1





#71
2-Chlorotoluene
Concen: 2.128 ppbv
RT: 10.908 min Scan# 3
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

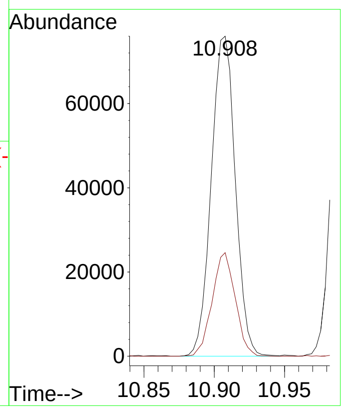
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

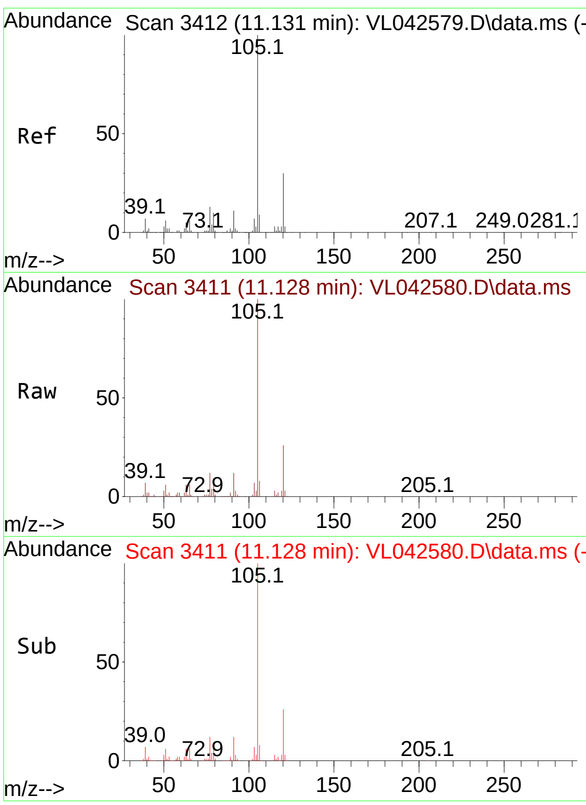
Tgt Ion: 91 Resp: 9072

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.6	50.4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

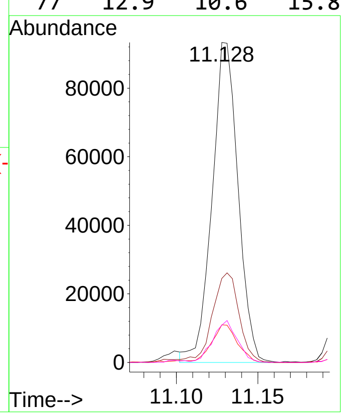


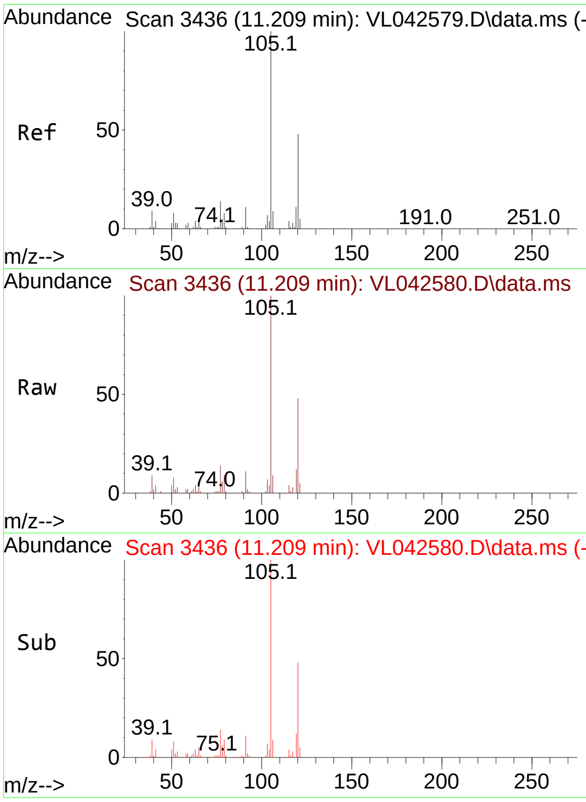


#72
4-Ethyltoluene
Concen: 2.197 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:105 Resp: 103640

Ion	Ratio	Lower	Upper
105	100		
120	29.2	24.6	36.8
91	12.3	9.6	14.4
77	12.9	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 2.147 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 8382

Ion	Ratio	Lower	Upper
105	100		
120	48.5	38.8	58.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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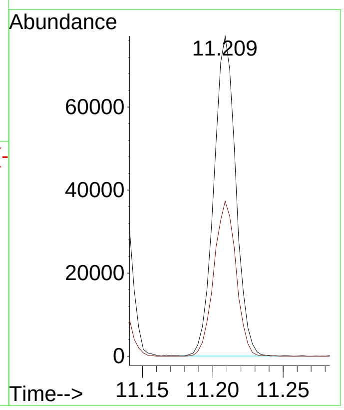
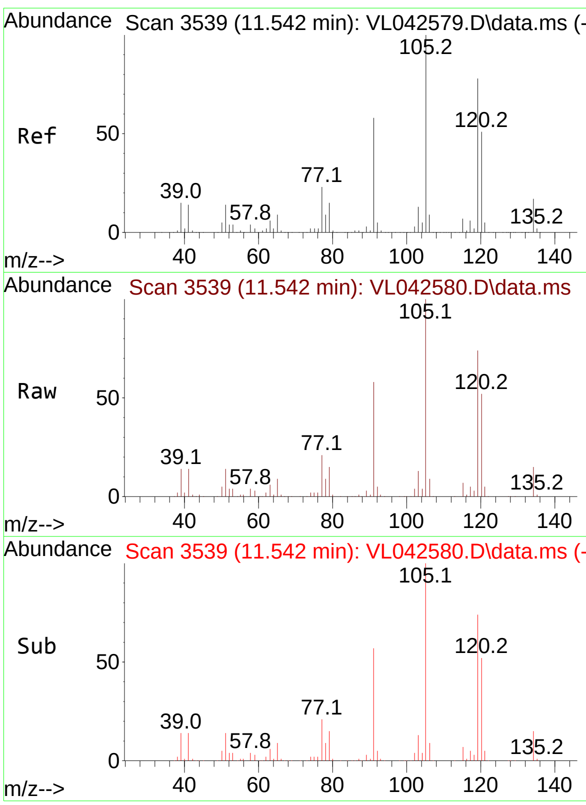
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

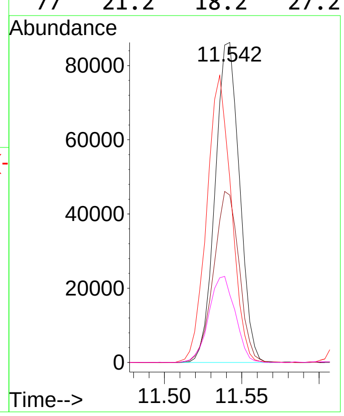


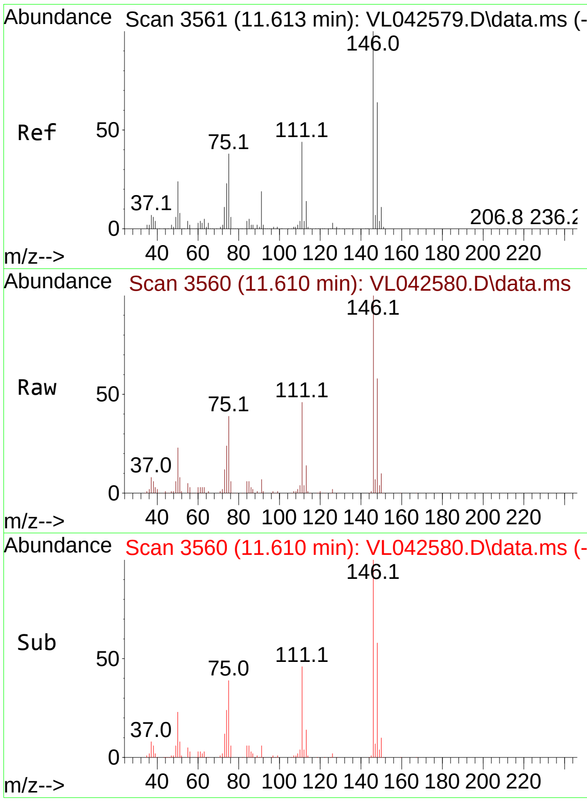


#74
1,2,4-Trimethylbenzene
Concen: 2.186 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 94716

Ion	Ratio	Lower	Upper
105	100		
120	52.3	40.8	61.2
91	57.4	46.8	70.2
77	21.2	18.2	27.2





#75
1,3-Dichlorobenzene
Concen: 2.174 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 5913

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.4	67.3
148	62.4	32.0	96.2

Manual Integrations
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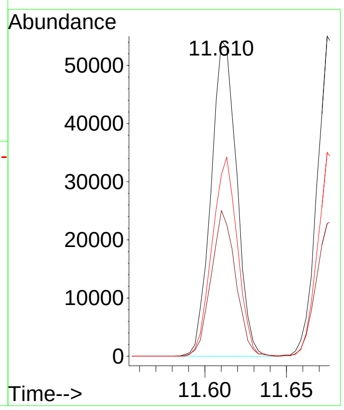
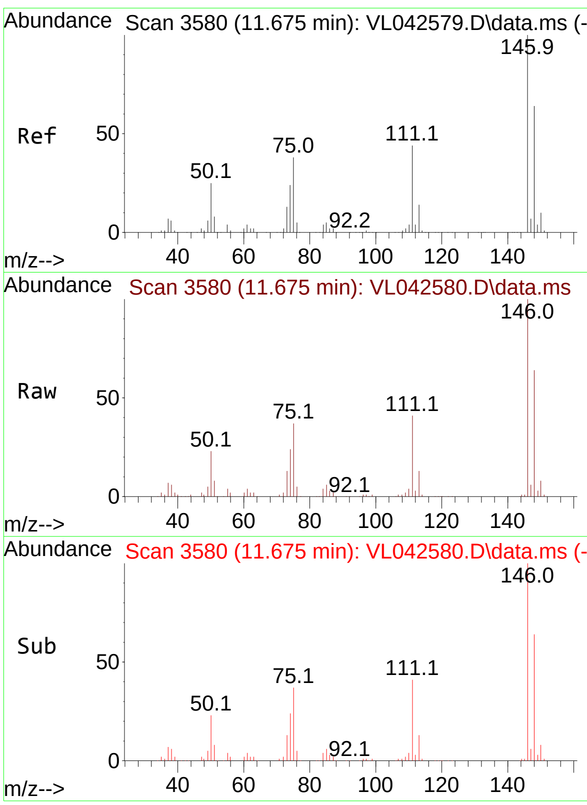
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

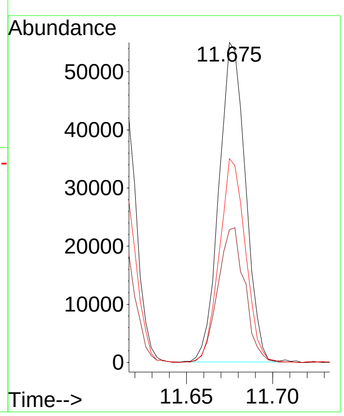


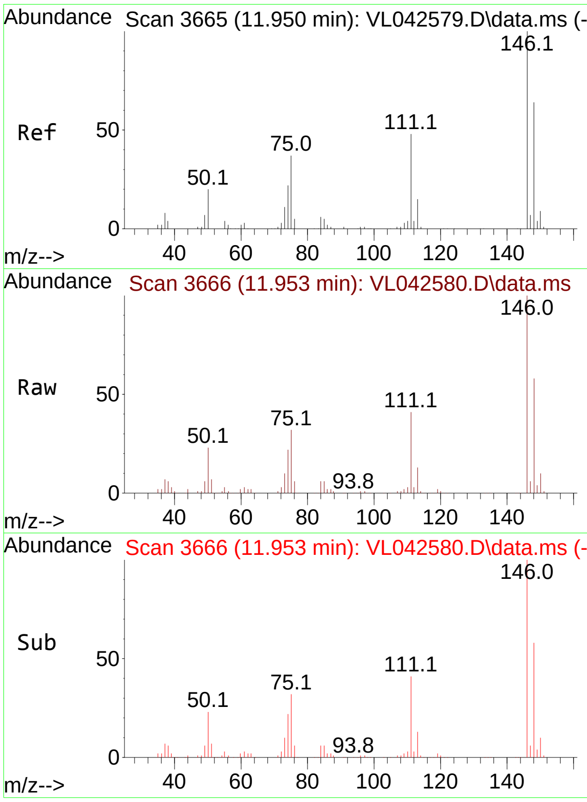


#76
1,4-Dichlorobenzene
Concen: 2.171 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:146 Resp: 58920

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.0	32.1	96.5





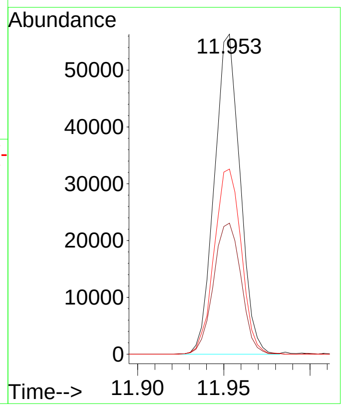
#77
1,2-Dichlorobenzene
Concen: 2.212 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

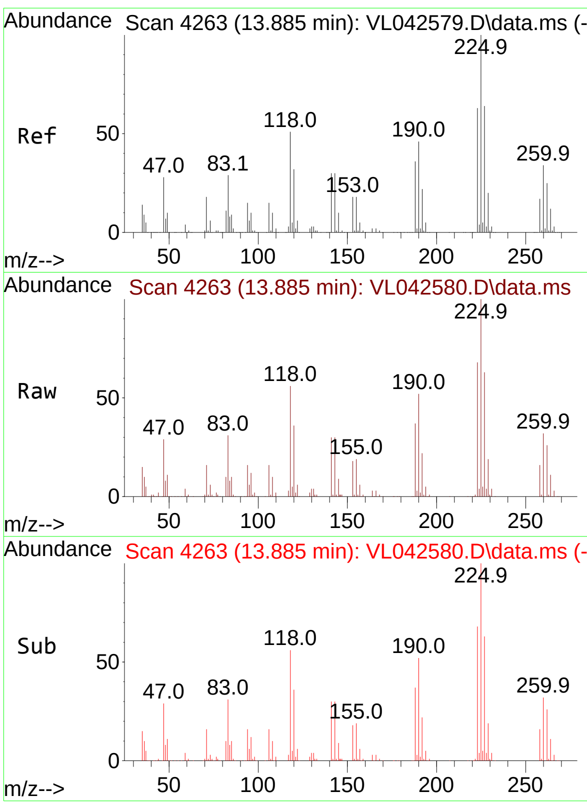
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 5840

Ion	Ratio	Lower	Upper
146	100		
111	44.1	23.1	69.3
148	61.2	32.1	96.3

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

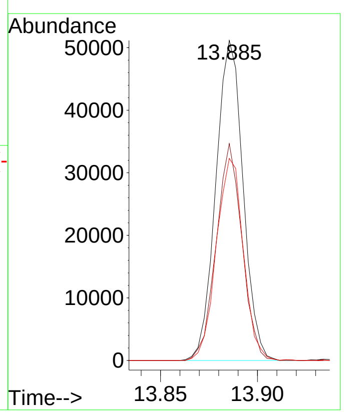


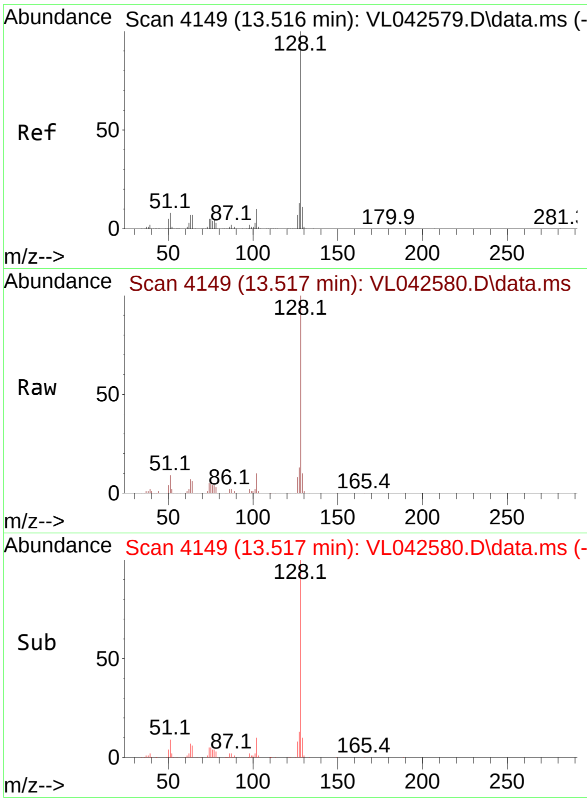


#78
Hexachloro-1,3-Butadiene
Concen: 2.288 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:225 Resp: 49999

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.4
227	62.5	51.1	76.7





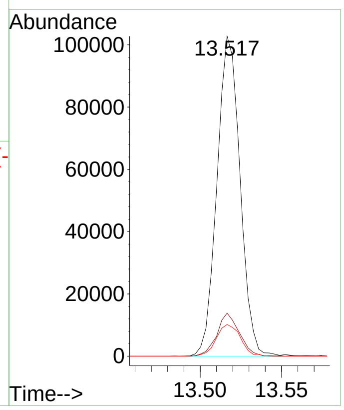
#79
Naphthalene
Concen: 2.494 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

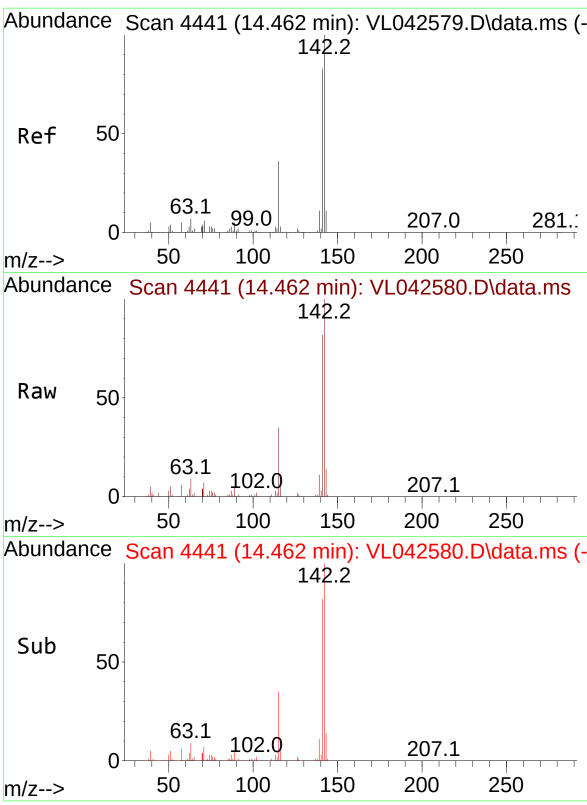
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 10145

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	9.9	8.8	13.2

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

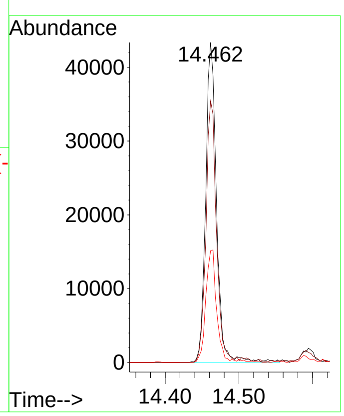


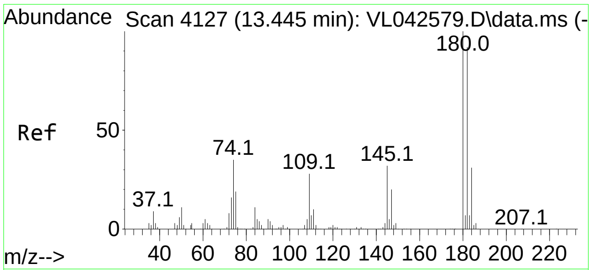


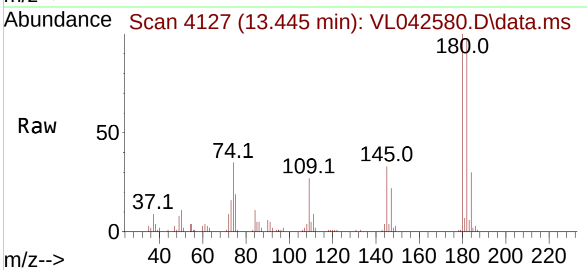
#80
Naphthalene,2-methyl-
Concen: 2.408 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

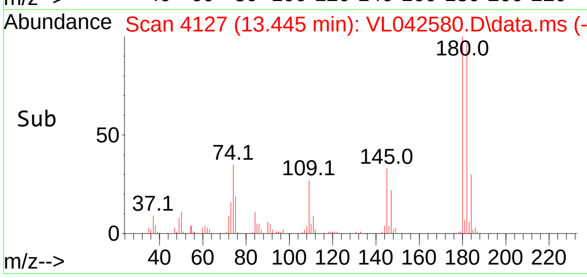
Tgt Ion:142 Resp: 44376

Ion	Ratio	Lower	Upper
142	100		
141	82.1	66.2	99.4
115	35.0	28.3	42.5









#81
1,2,4-Trichlorobenzene
Concen: 2.353 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

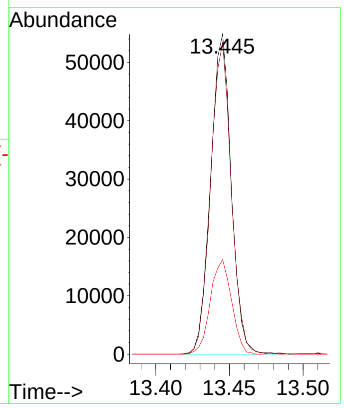
Tgt Ion:180 Resp: 5365

Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.0	112.4
184	30.4	24.6	36.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



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 2
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	

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 2
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

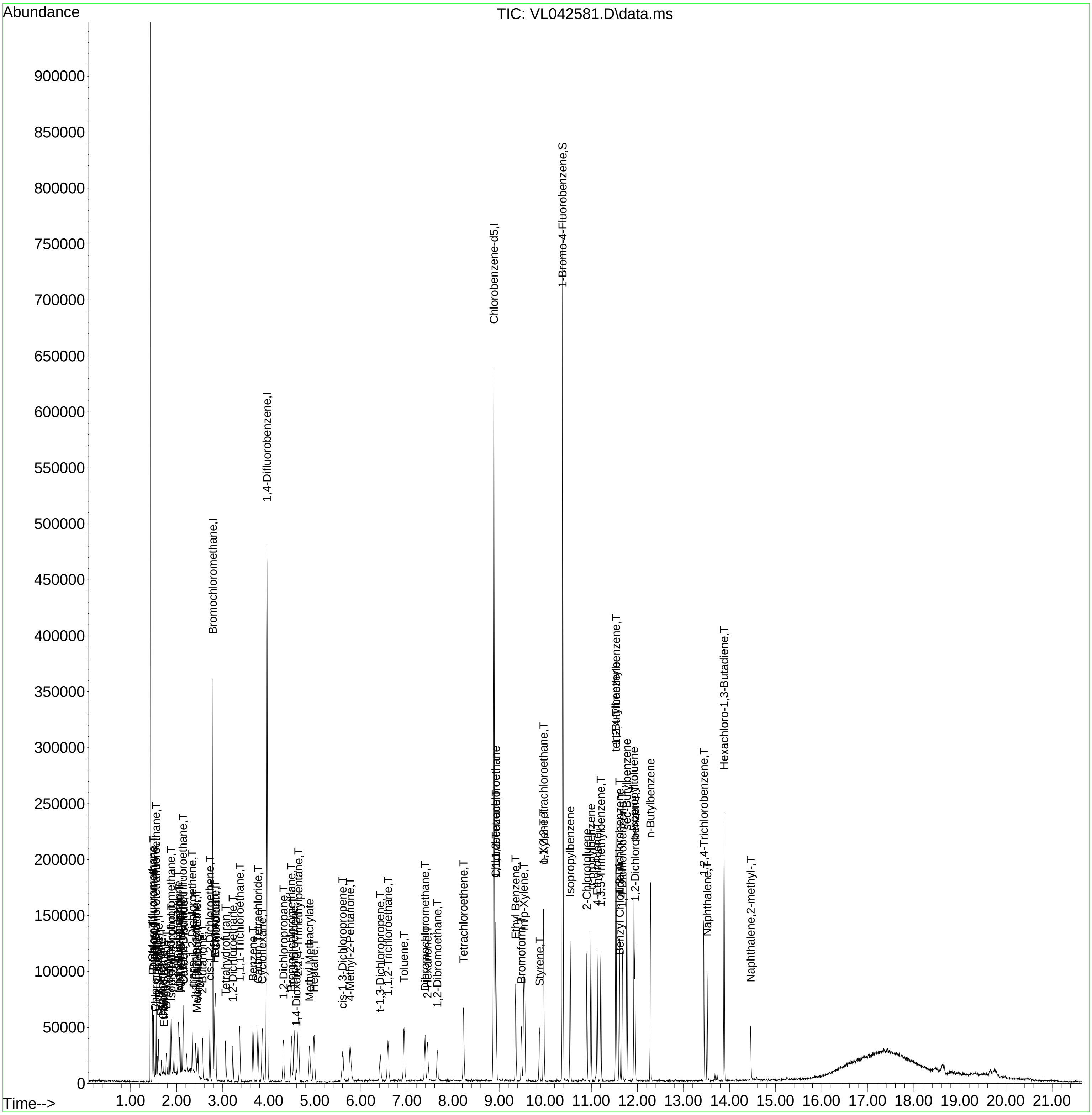
Quantitation Report (QT Reviewed)

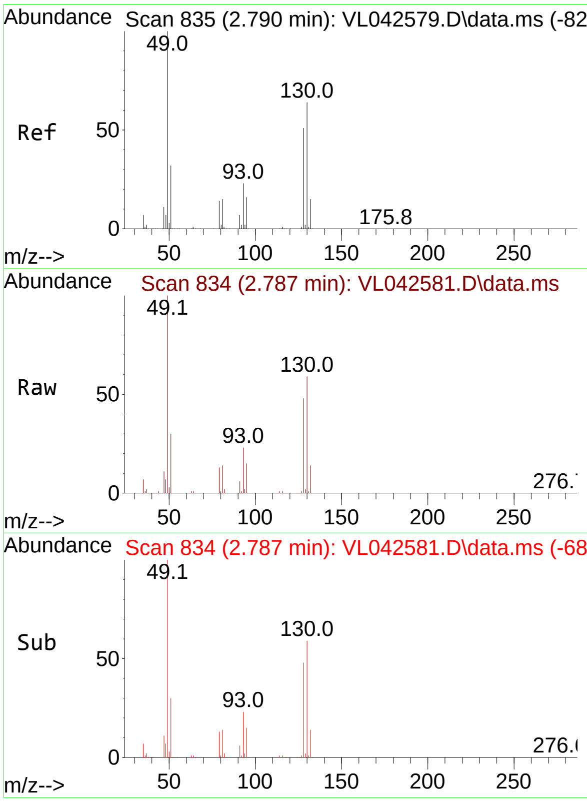
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042581.D
Acq On : 29 May 2025 12:15
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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
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





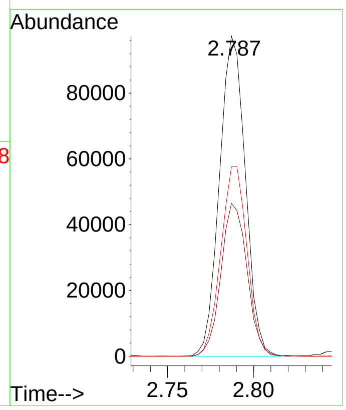
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

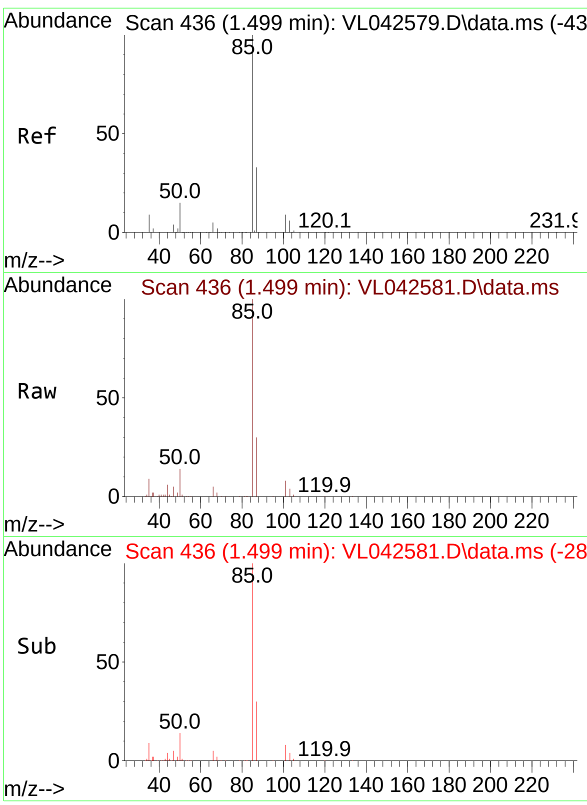
Tgt Ion: 49 Resp: 10186

Ion	Ratio	Lower	Upper
49	100		
128	48.1	24.2	72.6
130	60.1	30.4	91.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

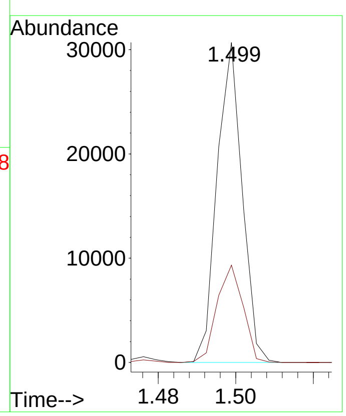


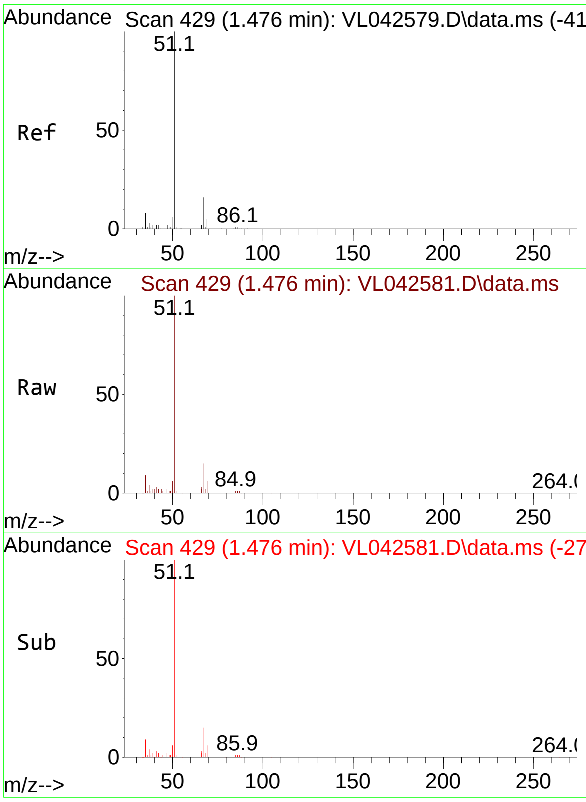


#2
Dichlorodifluoromethane
Concen: 1.101 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 85 Resp: 13779

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.6	39.8





#3
Chlorodifluoromethane
Concen: 1.100 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

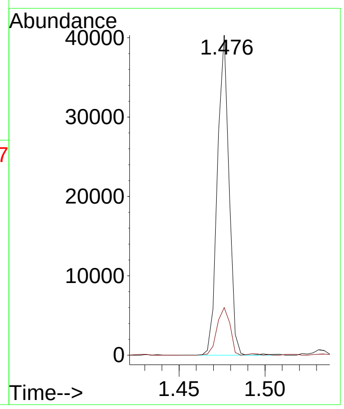
Tgt Ion: 51 Resp: 1896(

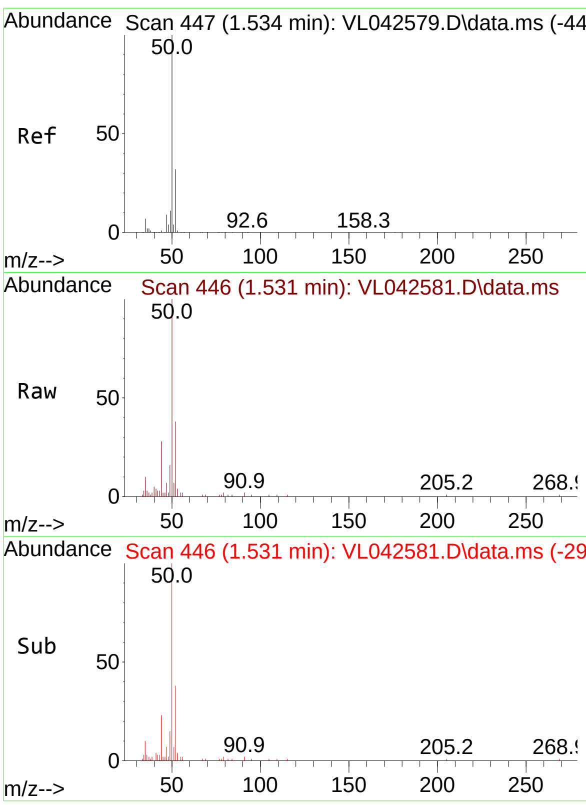
Ion	Ratio	Lower	Upper
51	100		
67	17.0	13.4	20.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

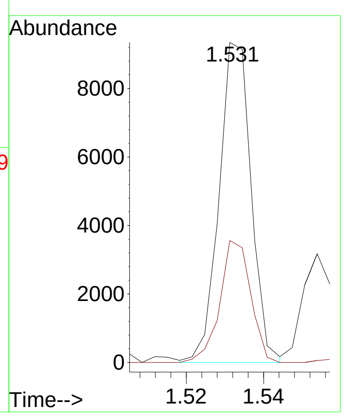


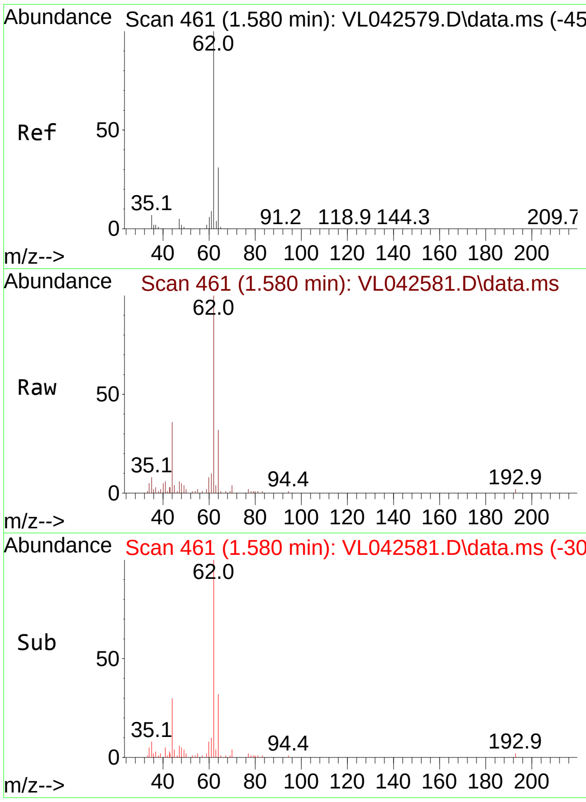


#4
Chloromethane
Concen: 1.087 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 50 Resp: 5387

Ion	Ratio	Lower	Upper
50	100		
52	38.4	25.8	38.6





#5
Vinyl Chloride
Concen: 0.983 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

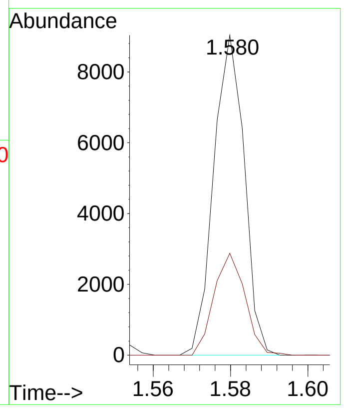
Tgt Ion: 62 Resp: 4964

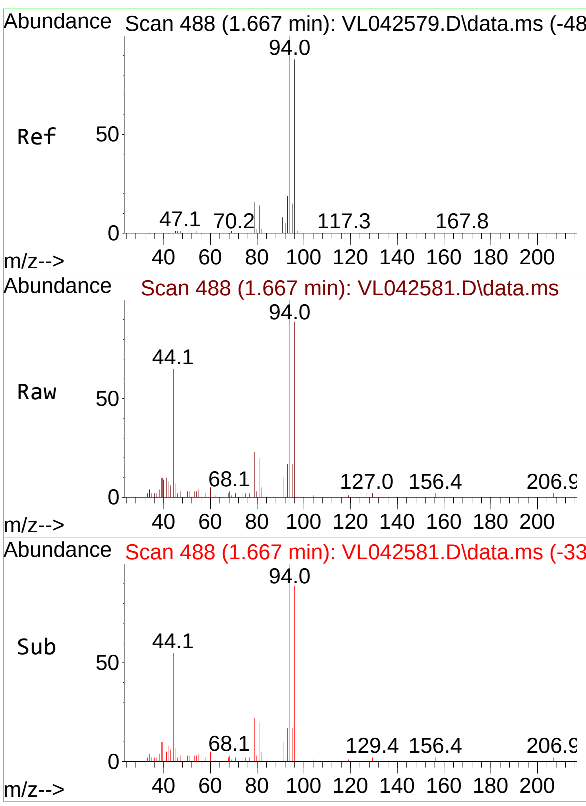
Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

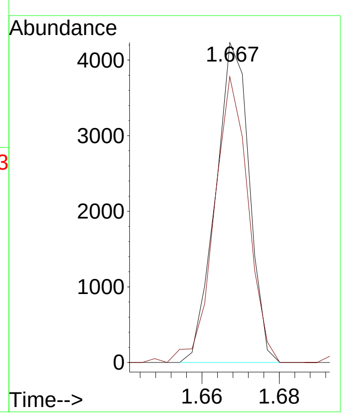


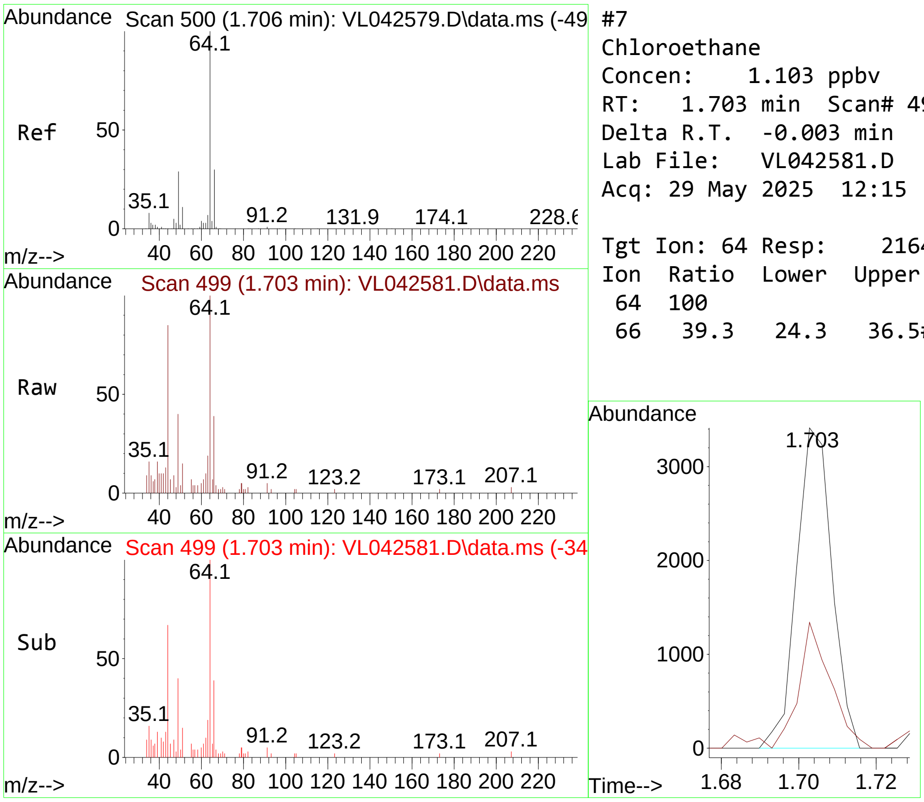


#6
Bromomethane
Concen: 1.041 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 94 Resp: 2560

Ion	Ratio	Lower	Upper
94	100		
96	89.3	70.7	106.1





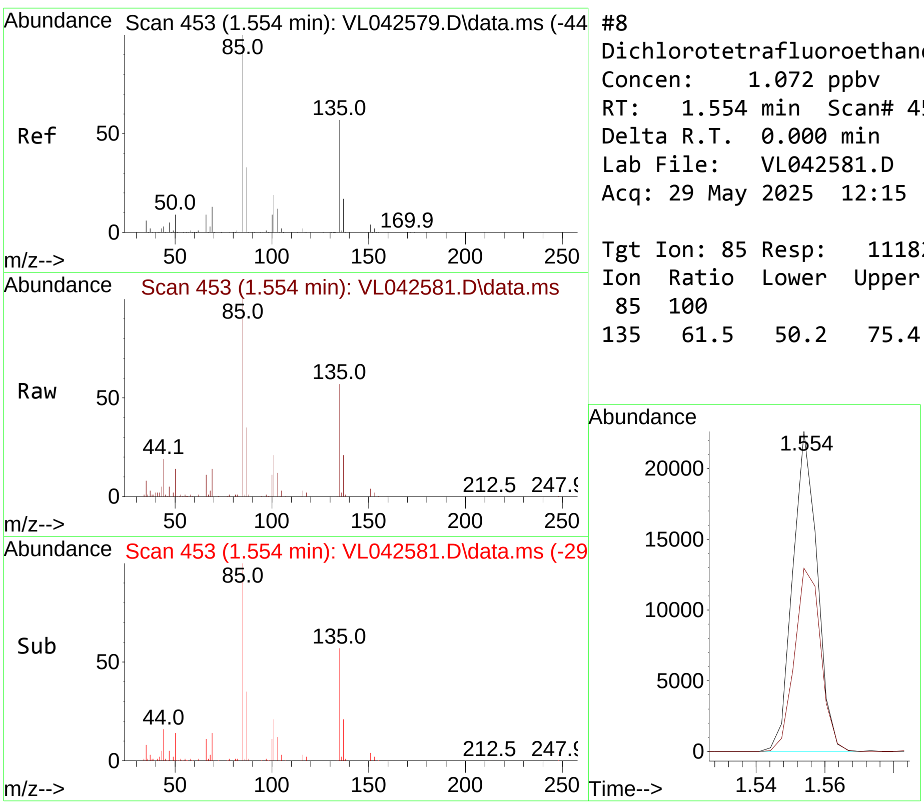
#7
Chloroethane
Concen: 1.103 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 64 Resp: 216

Ion	Ratio	Lower	Upper
64	100		
66	39.3	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

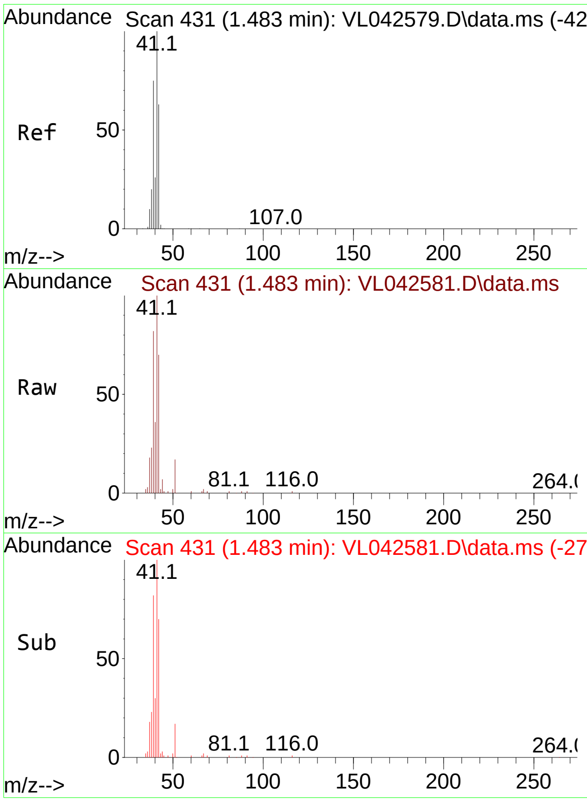
Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#8
Dichlorotetrafluoroethane
Concen: 1.072 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 85 Resp: 11182

Ion	Ratio	Lower	Upper
85	100		
135	61.5	50.2	75.4



#9
Propene
Concen: 1.068 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

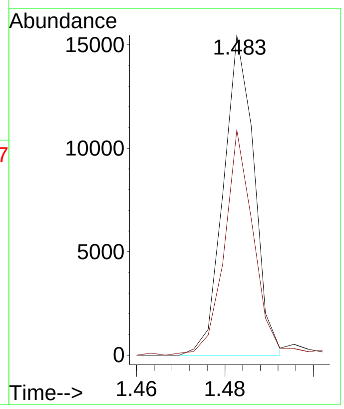
Tgt Ion: 41 Resp: 741

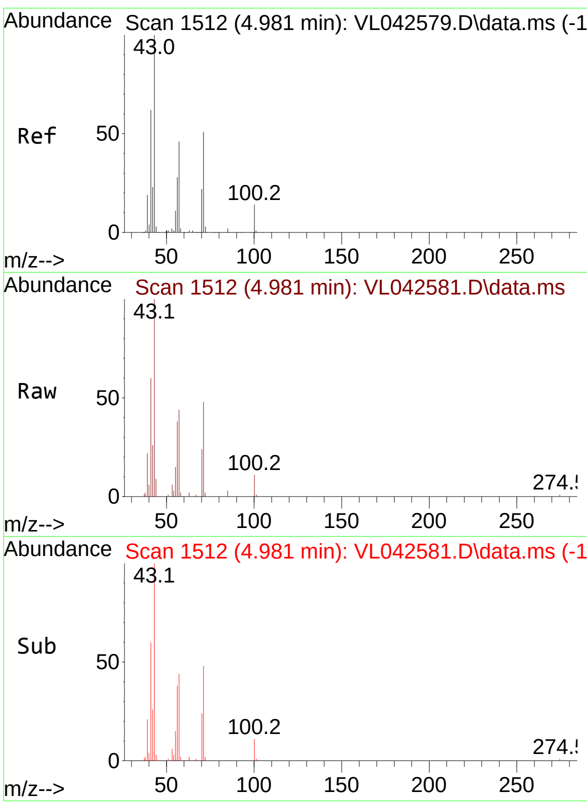
Ion	Ratio	Lower	Upper
41	100		
42	69.1	53.3	79.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

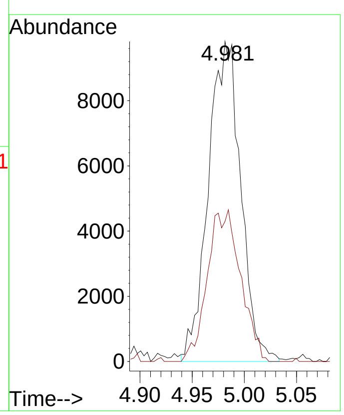


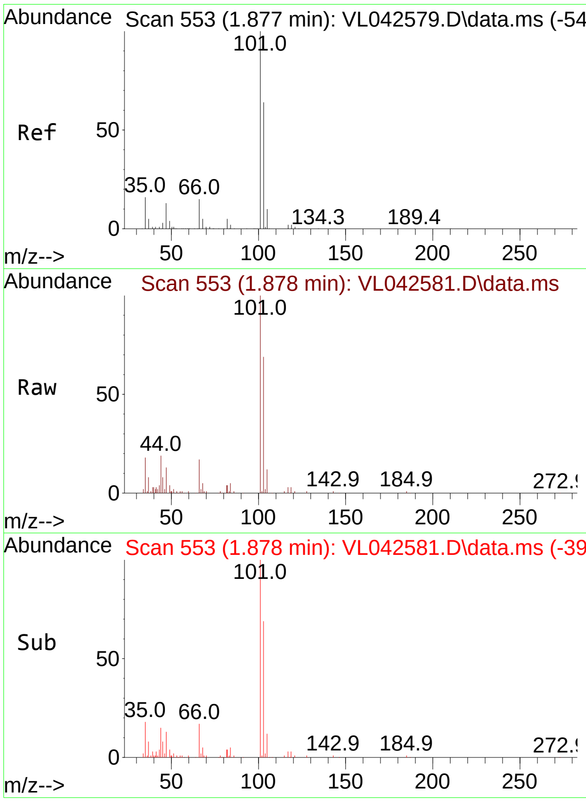


#10
Heptane
Concen: 1.083 ppbv m
RT: 4.981 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 43 Resp: 21213

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#





#11
Trichlorofluoromethane
Concen: 1.058 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1231

Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.5	77.3

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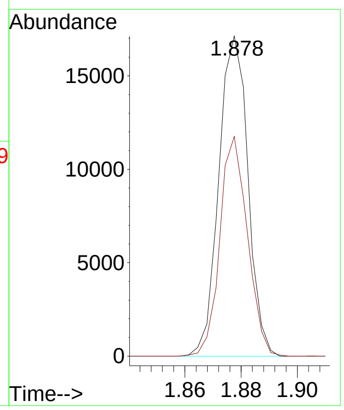
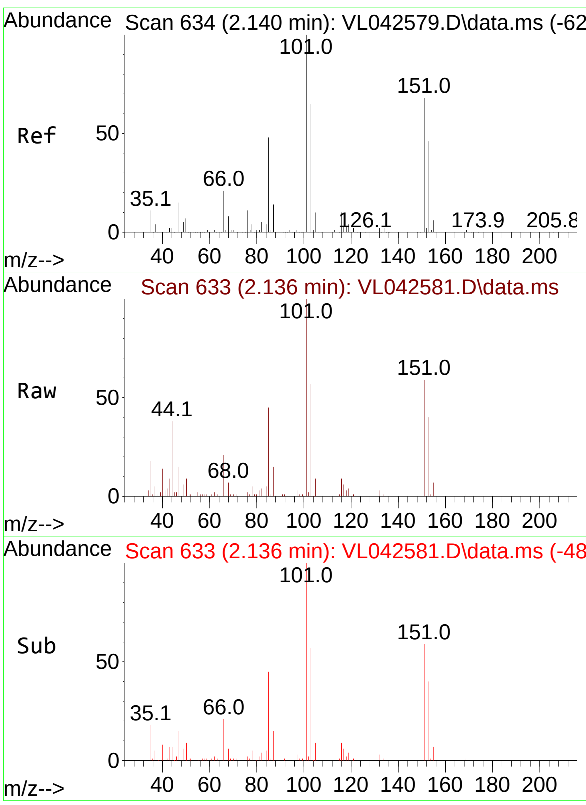
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

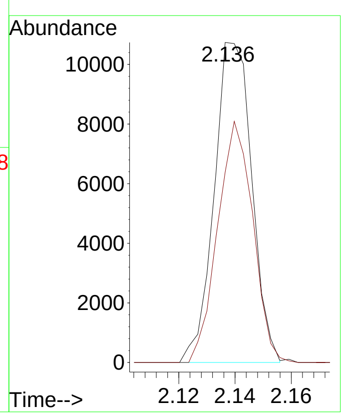


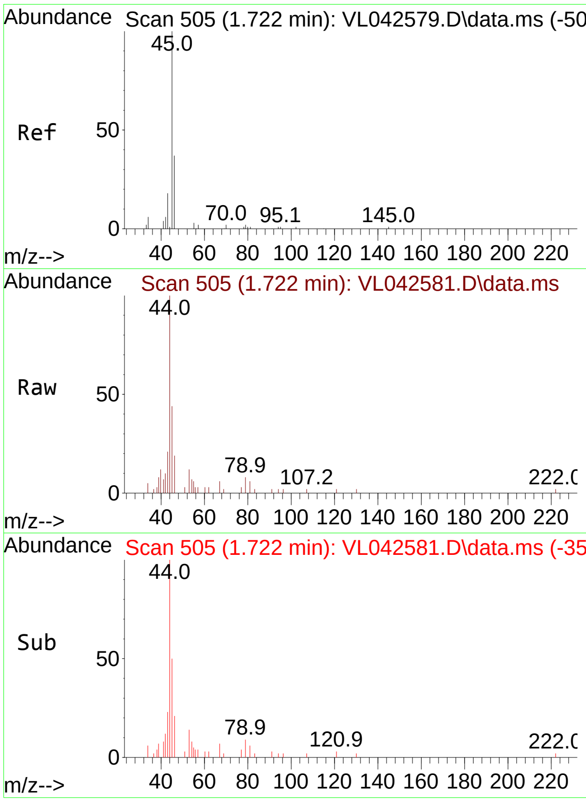


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.091 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:101 Resp: 9979

Ion	Ratio	Lower	Upper
101	100		
151	70.6	55.3	82.9





#13
Ethanol
Concen: 1.249 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 96

Ion	Ratio	Lower	Upper
45	100		
46	59.5	14.5	58.1#

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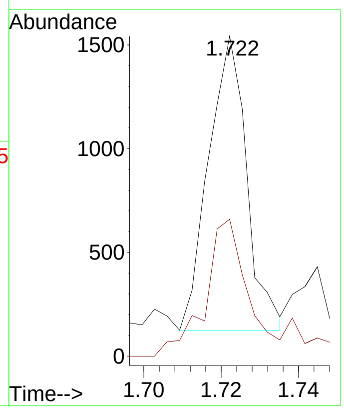
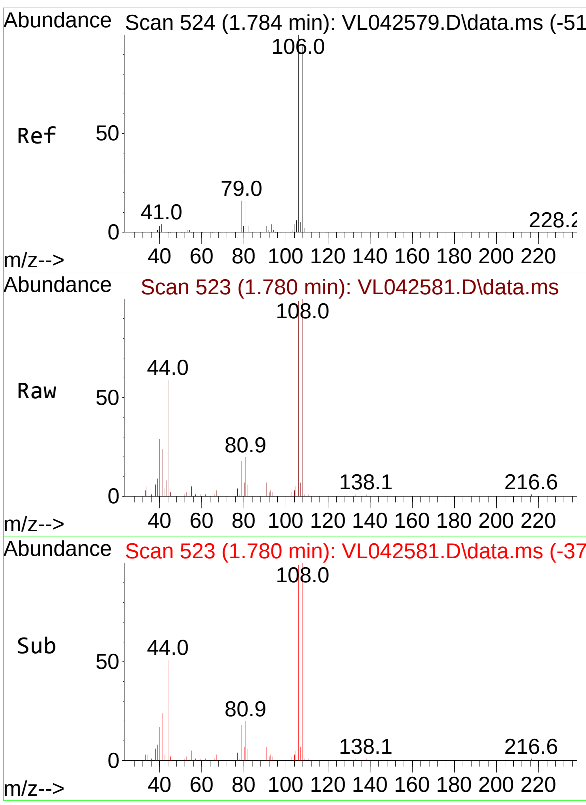
Supervised By :Mahesh Dadoda 05/30/2025

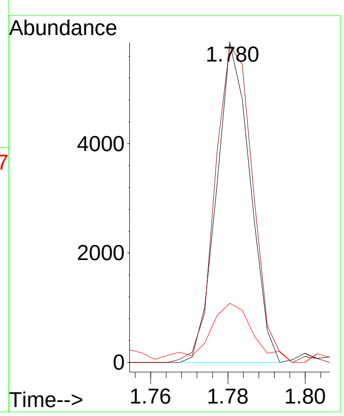


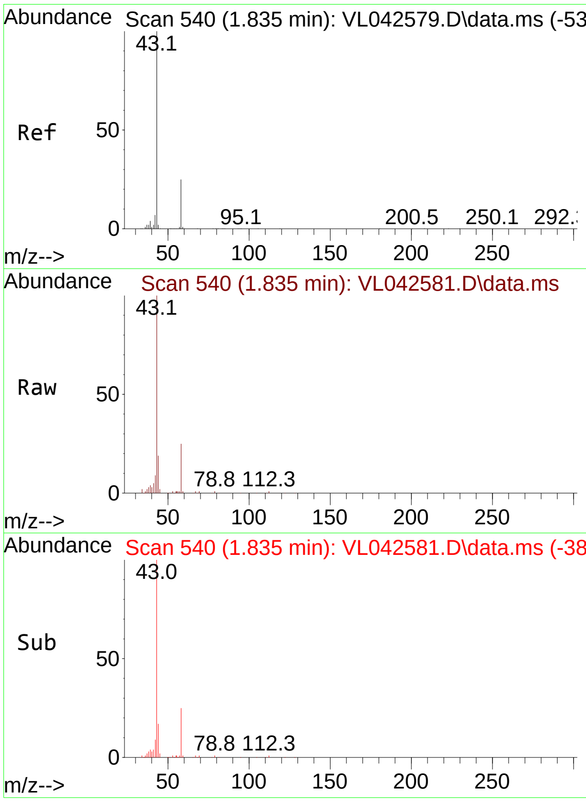


#14
Bromoethene
Concen: 1.024 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:108 Resp: 3524

Ion	Ratio	Lower	Upper
108	100		
106	111.5	87.9	131.9
79	25.3	15.6	23.4#





#15
Acetone
Concen: 1.232 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1511

Ion	Ratio	Lower	Upper
43	100		
58	24.9	21.0	31.4

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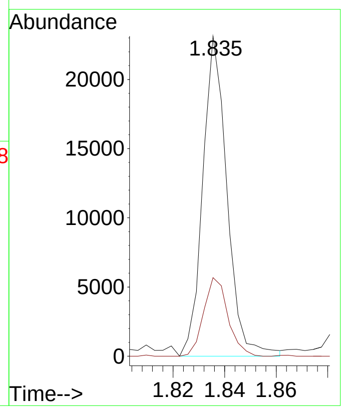
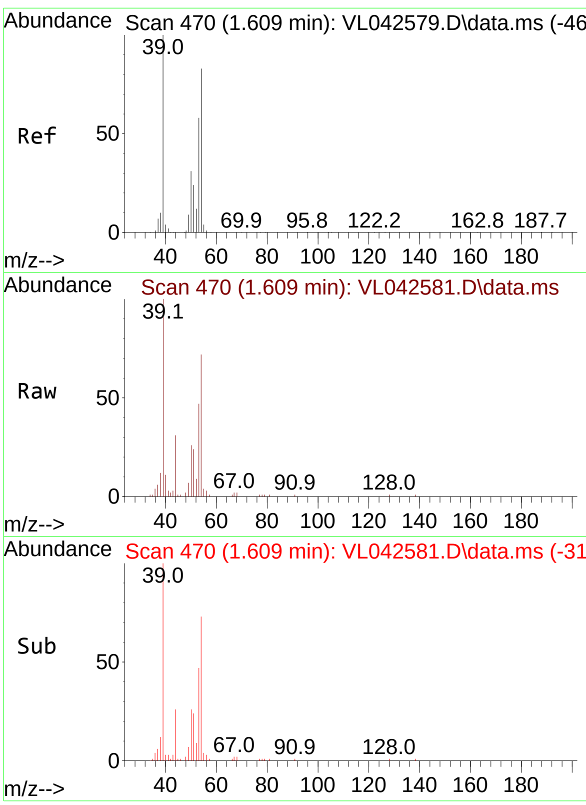
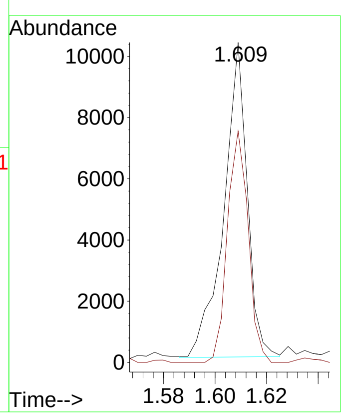


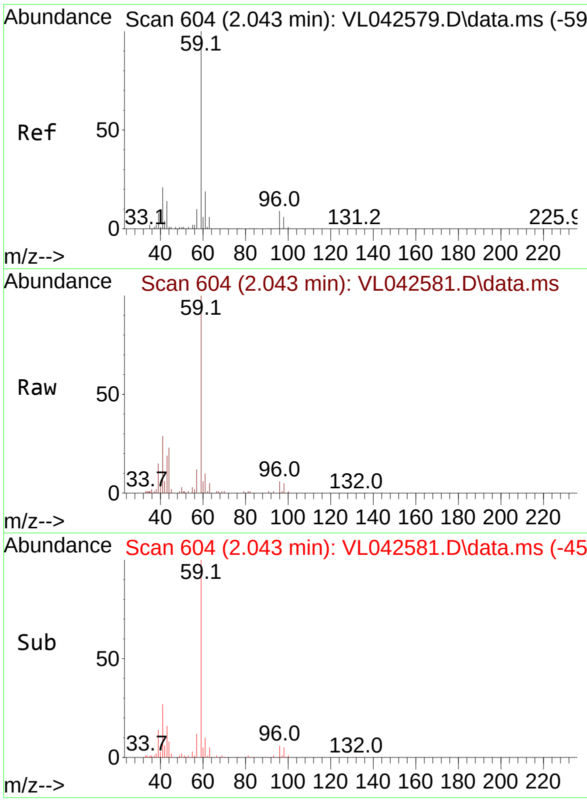


#16
1,3-Butadiene
Concen: 1.115 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 39 Resp: 6483

Ion	Ratio	Lower	Upper
39	100		
54	65.4	57.9	86.9





#17
tert-Butyl alcohol
Concen: 1.063 ppbv
RT: 2.043 min   Scan# 6
Delta R.T.   0.000 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1358

Ion	Ratio	Lower	Upper
59	100		
57	17.1	8.6	12.8

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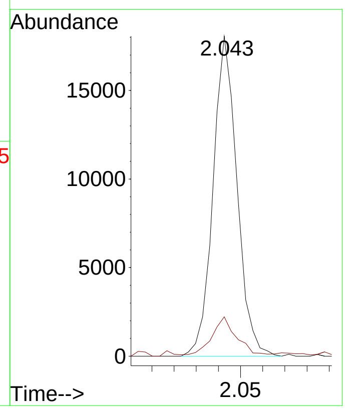
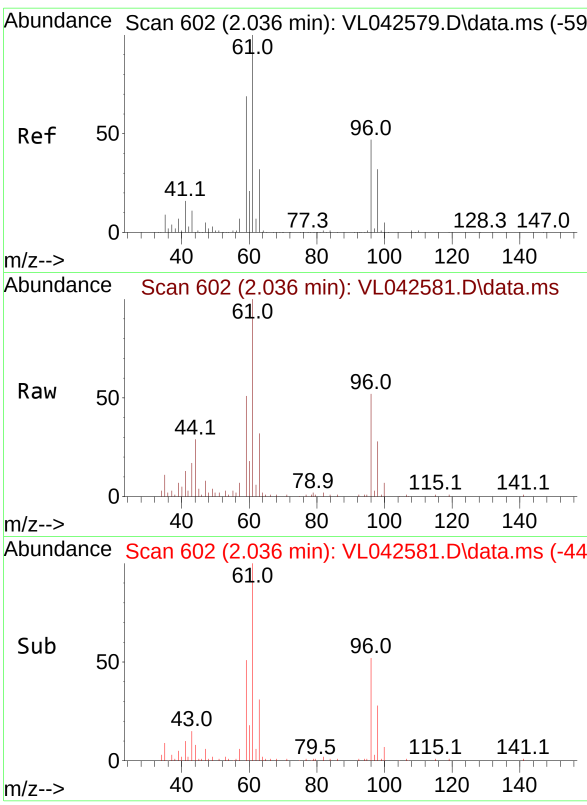
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

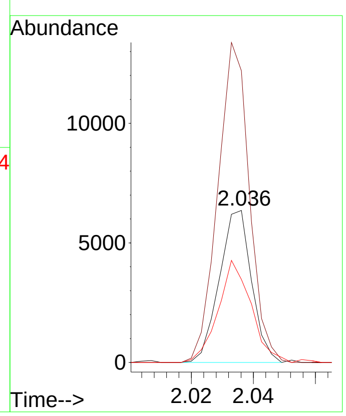


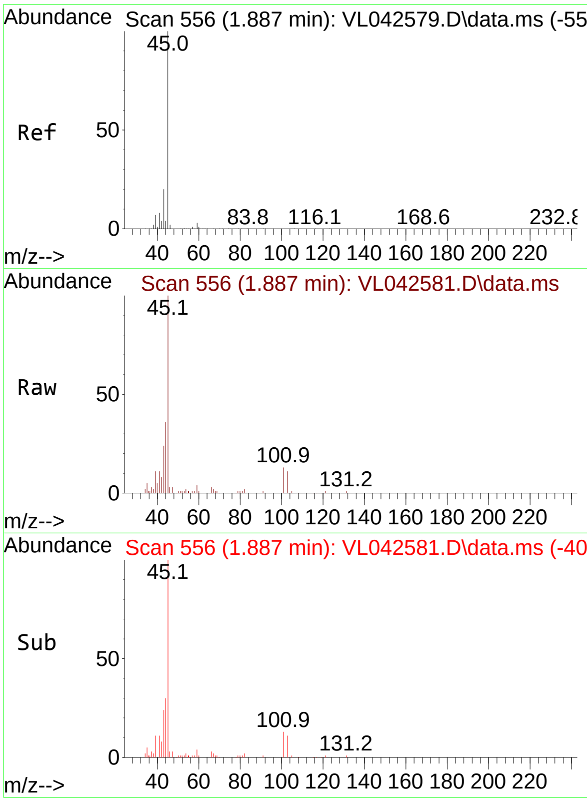


#18
1,1-Dichloroethene
Concen: 1.080 ppbv
RT: 2.036 min   Scan# 602
Delta R.T.   0.000 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion: 96 Resp: 4598

Ion	Ratio	Lower	Upper
96	100		
61	191.9	171.1	256.7
98	54.6	54.4	81.6





#19
Isopropyl Alcohol
Concen: 1.086 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 796

Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.2

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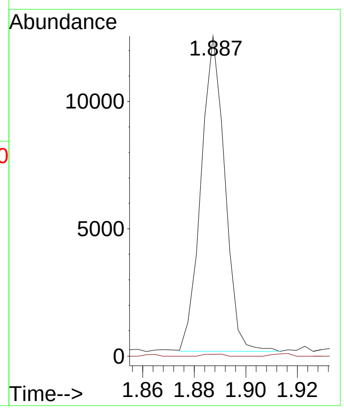
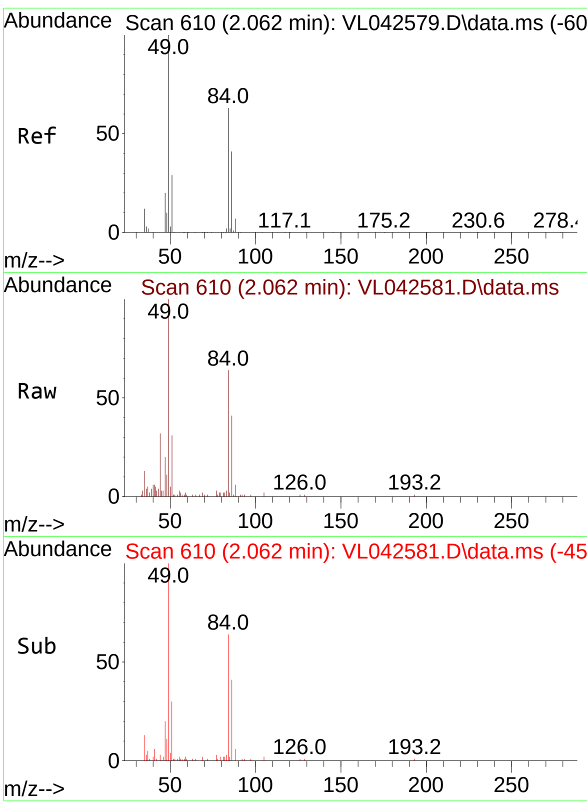
Supervised By :Mahesh Dadoda 05/30/2025

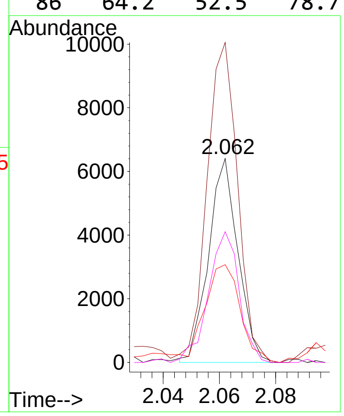


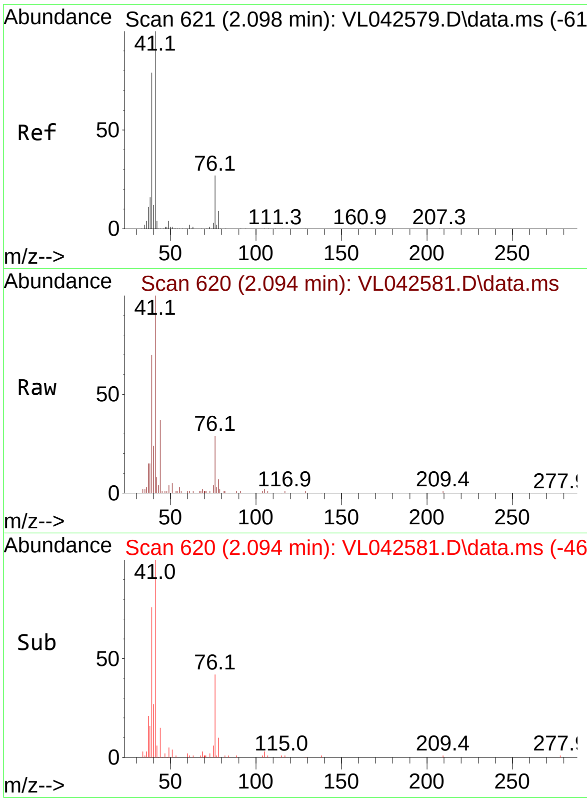


#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 84 Resp: 4654

Ion	Ratio	Lower	Upper
84	100		
49	157.0	128.8	193.2
51	48.0	38.6	57.8
86	64.2	52.5	78.7





#21
Allyl Chloride
Concen: 1.083 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 937

Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.2	31.8
39	95.2	60.9	91.3#

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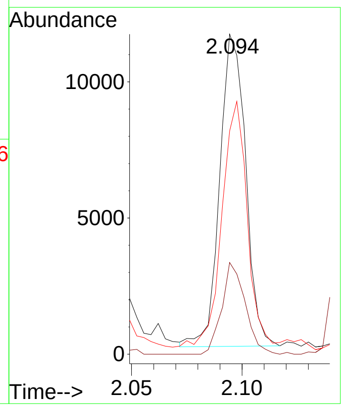
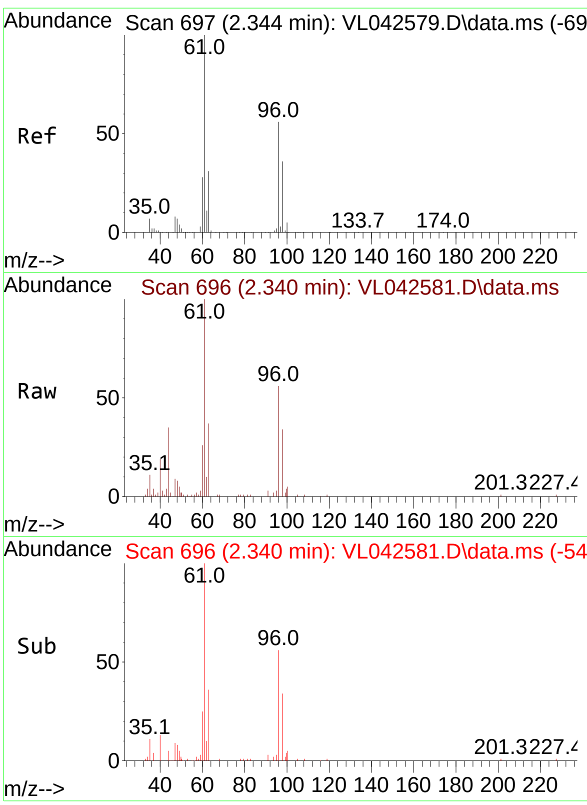
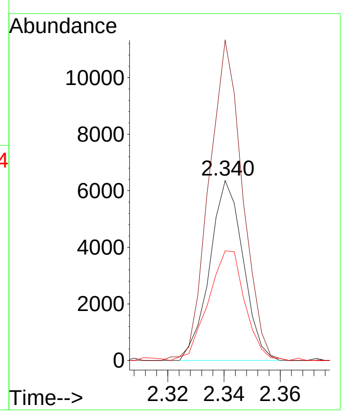


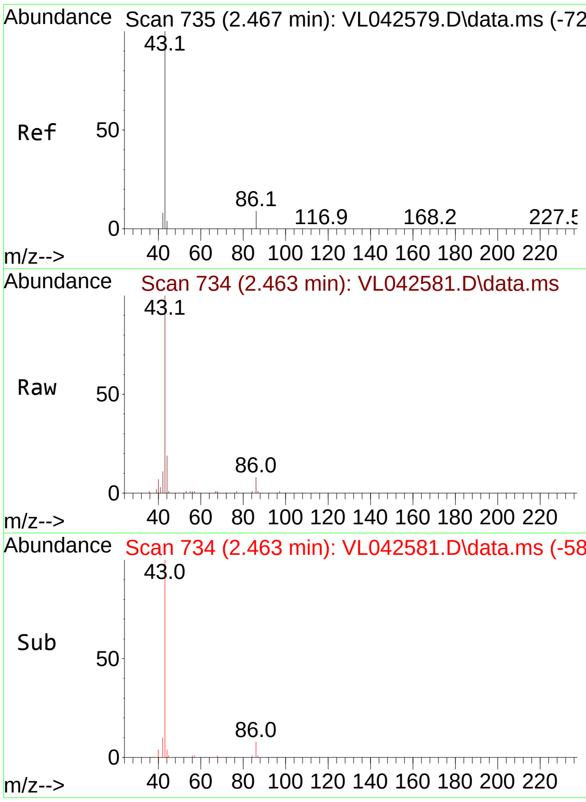


#22
trans-1,2-Dichloroethene
Concen: 1.109 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 96 Resp: 5269

Ion	Ratio	Lower	Upper
96	100		
61	176.7	142.6	214.0
98	59.7	51.0	76.4





#23
Vinyl Acetate
Concen: 1.022 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1694

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.6	9.8
42	10.6	7.0	10.4#
44	8.2	4.2	6.2#

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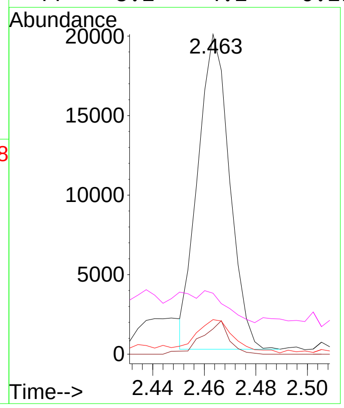
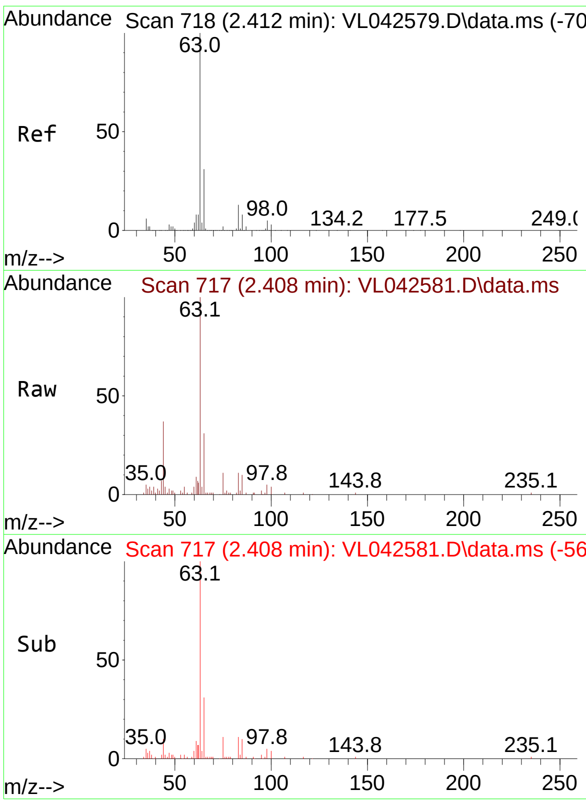
Supervised By :Mahesh Dadoda 05/30/2025

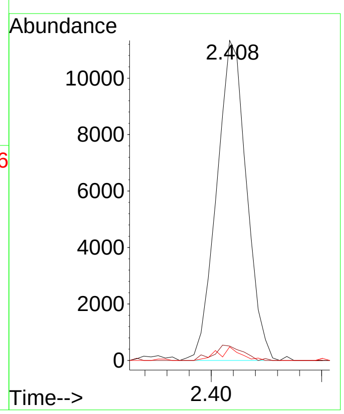


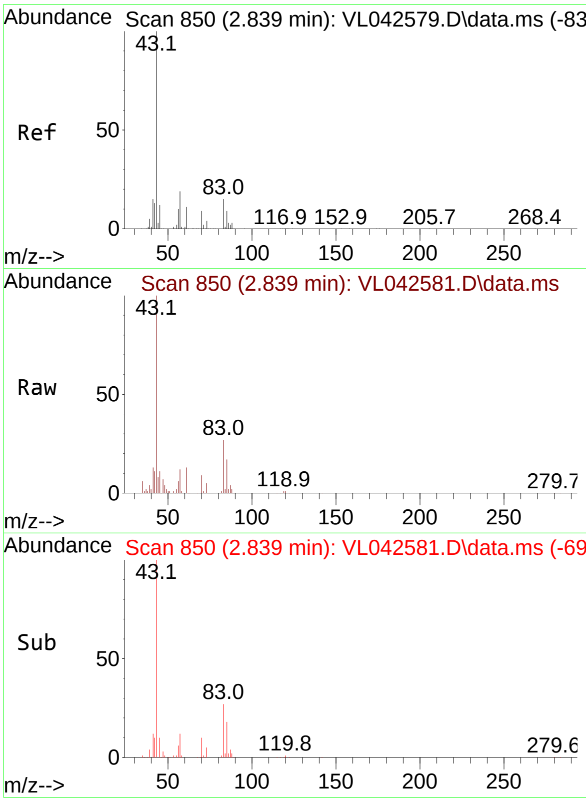


#24
1,1-Dichloroethane
Concen: 1.093 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 63 Resp: 10651

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	4.2	1.4	4.0#





#25
Ethyl Acetate
Concen: 1.088 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3651

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	8.8	7.1	10.7
70	8.7	6.4	9.6

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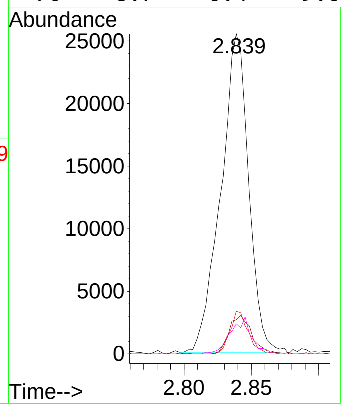
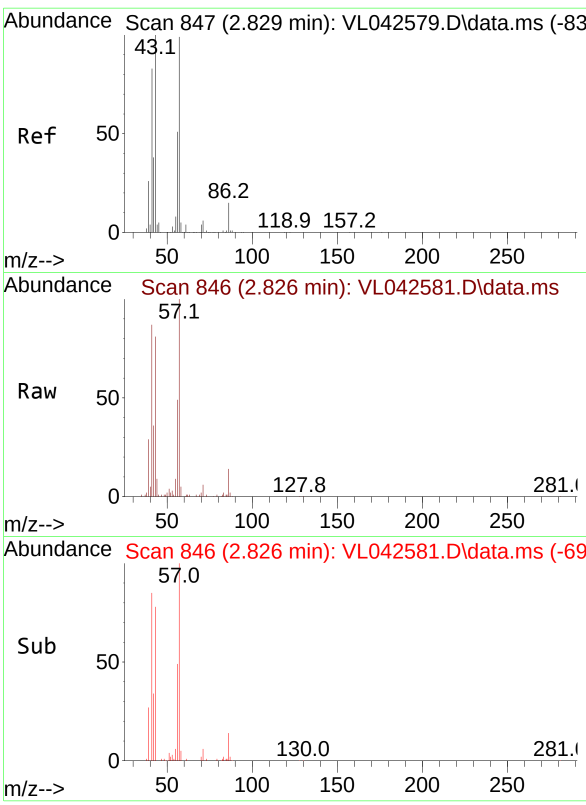
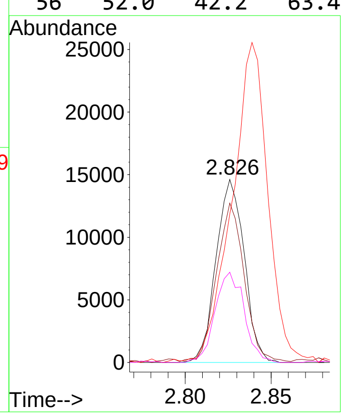


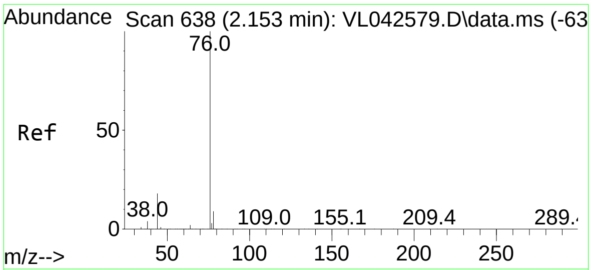


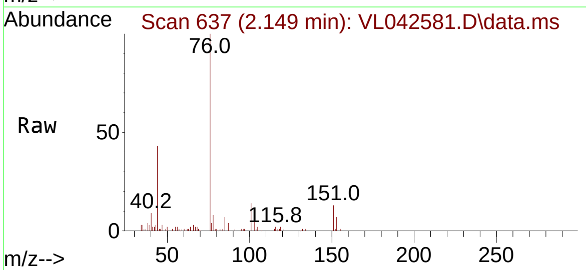
#26
Hexane
Concen: 1.094 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

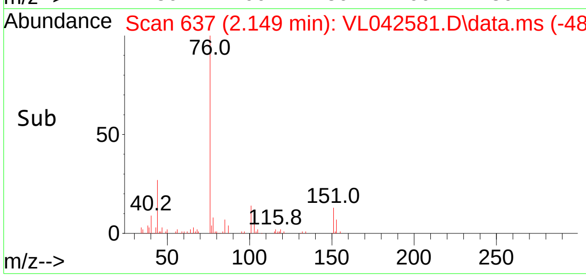
Tgt Ion: 57 Resp: 16686

Ion	Ratio	Lower	Upper
57	100		
41	86.1	70.6	106.0
43	227.5	181.1	271.7
56	52.0	42.2	63.4









#27
Carbon Disulfide
Concen: 1.102 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 76 Resp: 1291

Ion	Ratio	Lower	Upper
76	100		
44	83.5	21.3	31.9
78	12.9	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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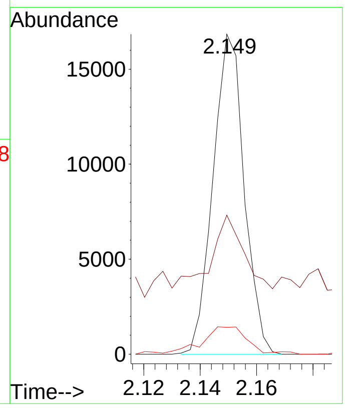
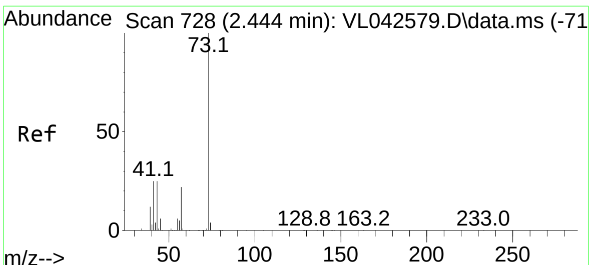
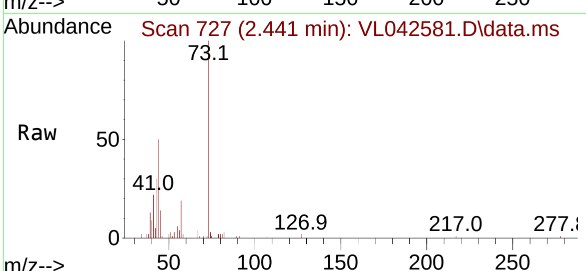
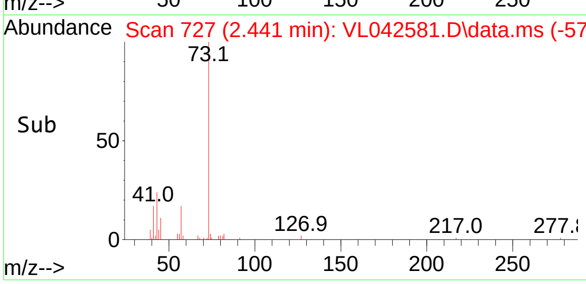
Supervised By :Mahesh Dadoda 05/30/2025





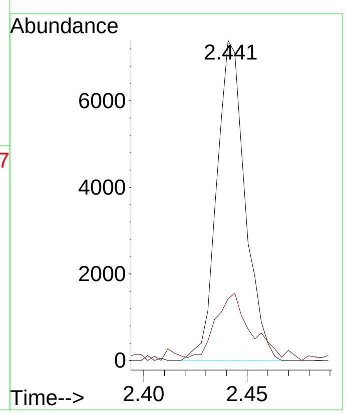


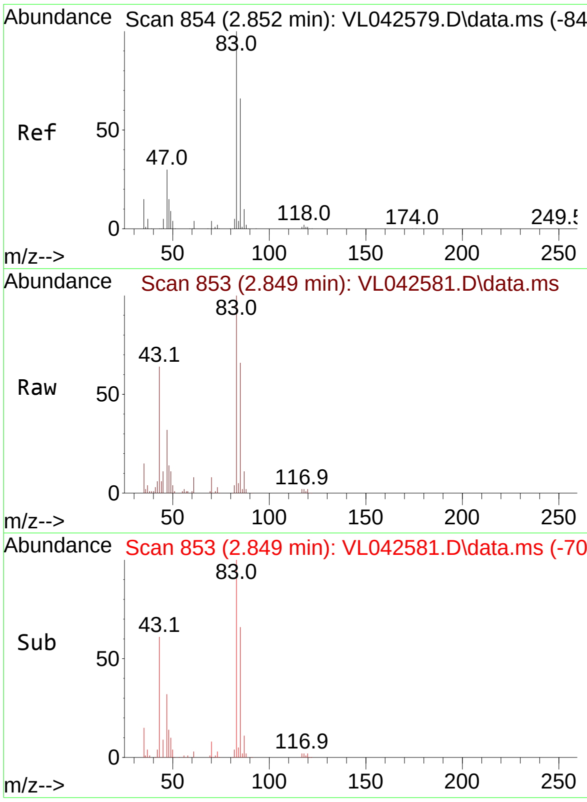


#28
Methyl tert-Butyl Ether
Concen: 1.141 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 73 Resp: 7064

Ion	Ratio	Lower	Upper
73	100		
57	28.6	19.9	29.9





#29
Chloroform
Concen: 1.088 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 83 Resp: 2159

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.8	79.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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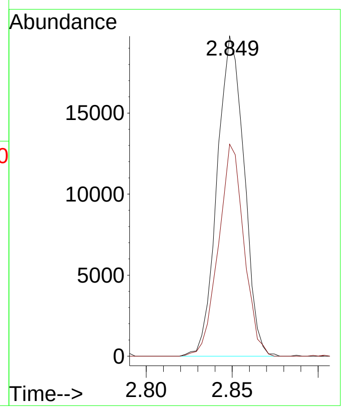
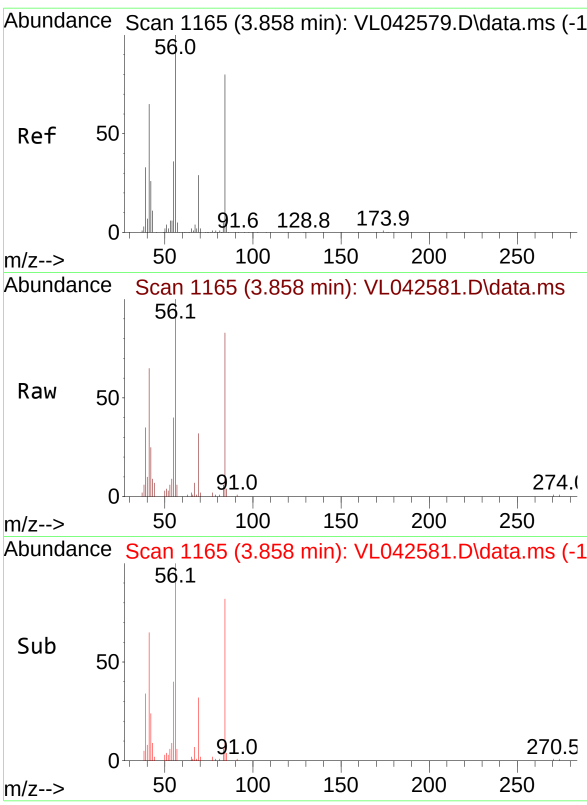
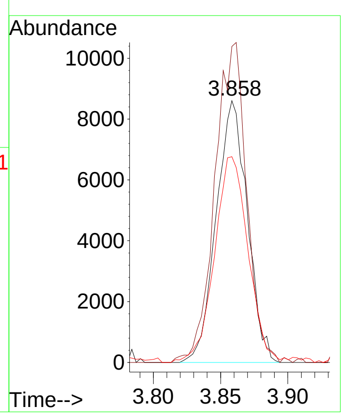


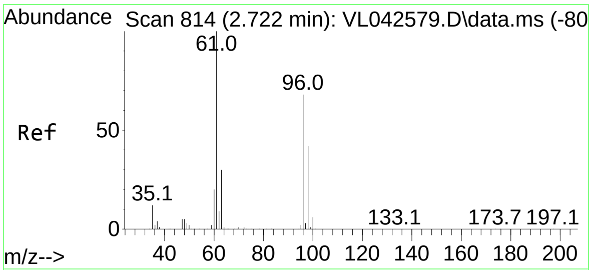


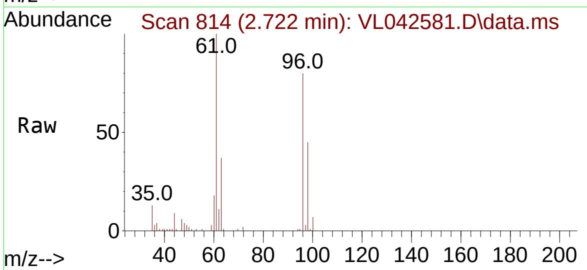
#30
Cyclohexane
Concen: 1.098 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

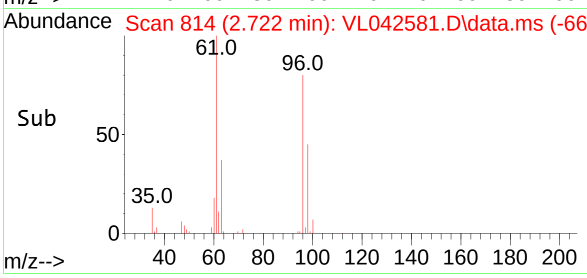
Tgt Ion: 84 Resp: 13889

Ion	Ratio	Lower	Upper
84	100		
56	124.8	103.7	155.5
41	85.8	65.1	97.7









#31
cis-1,2-Dichloroethene
Concen: 1.066 ppbv
RT: 2.722 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 1488

Ion	Ratio	Lower	Upper
61	100		
96	79.9	54.5	81.7
98	45.2	33.4	50.2

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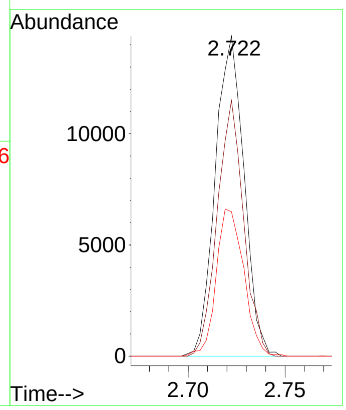
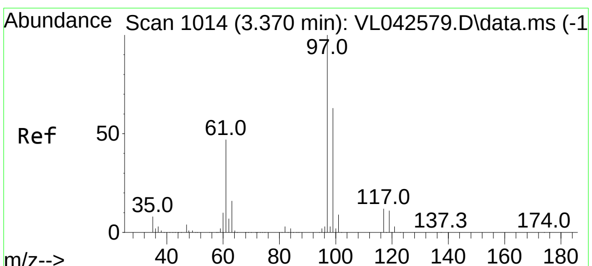
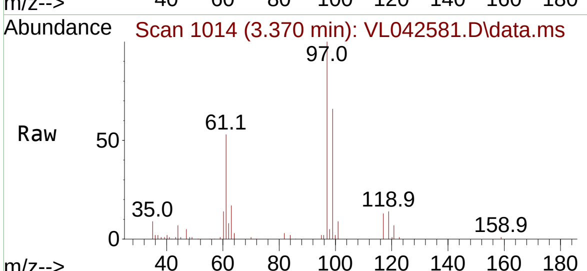
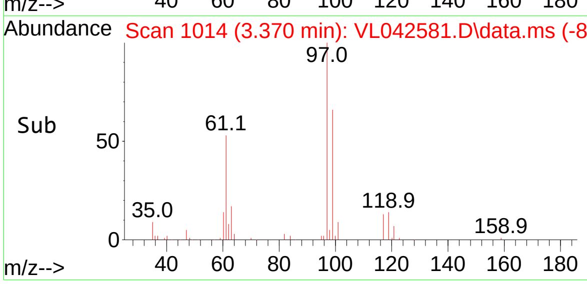
Supervised By :Mahesh Dadoda 05/30/2025





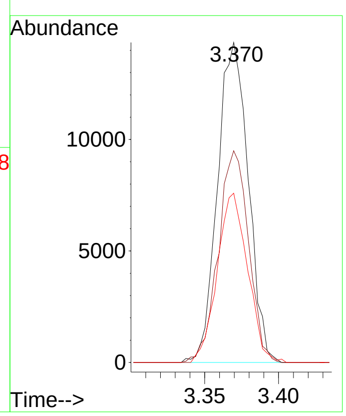


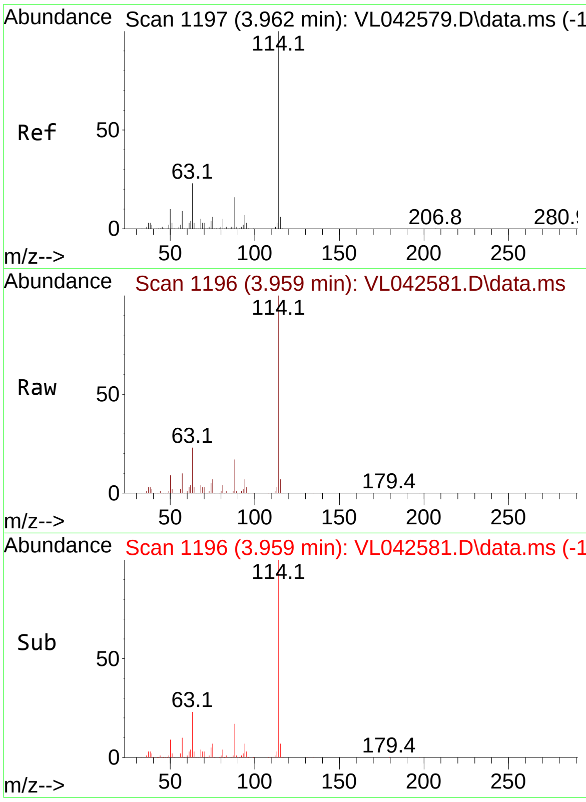


#32
1,1,1-Trichloroethane
Concen: 1.045 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 97 Resp: 20811

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	52.3	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:114 Resp: 30715

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.6
88	17.1	13.6	20.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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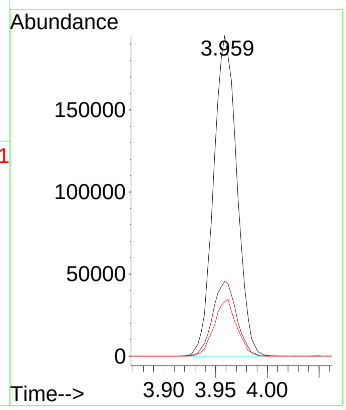
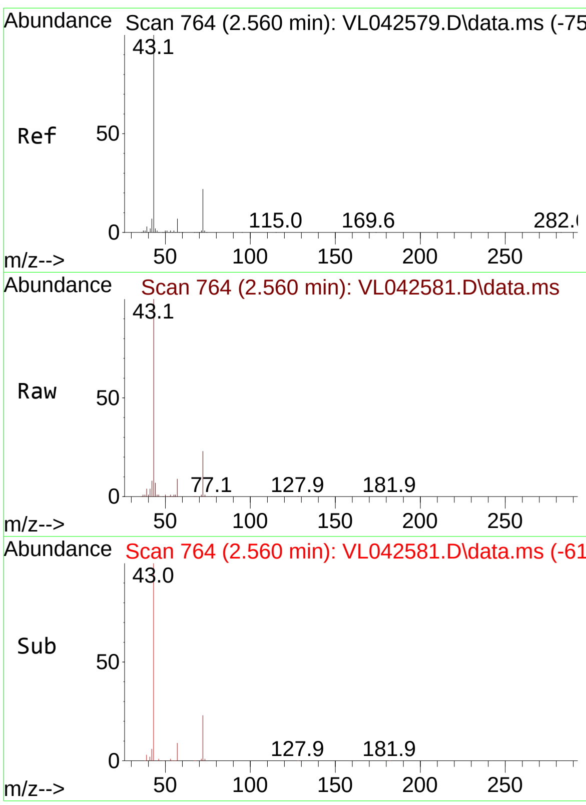
Supervised By :Mahesh Dadoda 05/30/2025

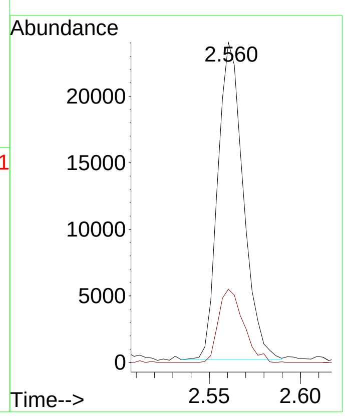


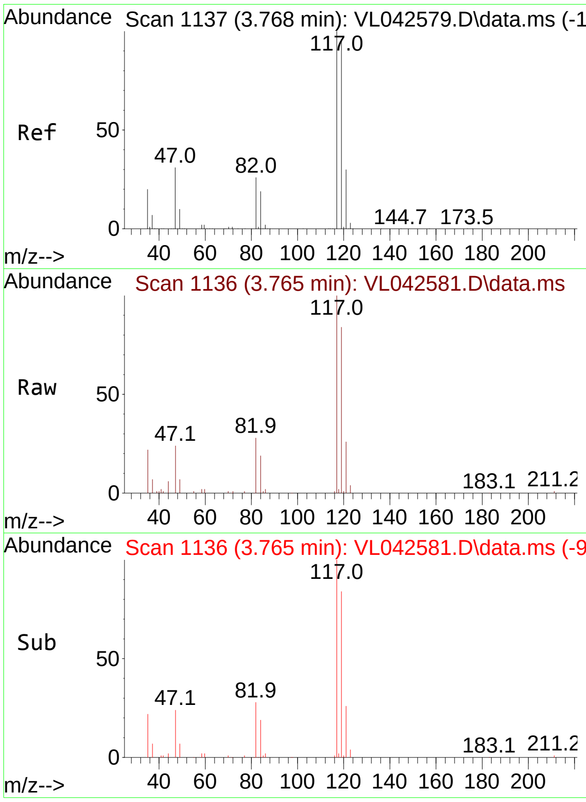


#34
2-Butanone
Concen: 1.057 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 43 Resp: 23148

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.7	26.5





#35
Carbon Tetrachloride
Concen: 1.036 ppbv
RT: 3.765 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2101

Ion	Ratio	Lower	Upper
117	100		
119	84.3	76.8	115.2
121	25.7	24.3	36.5

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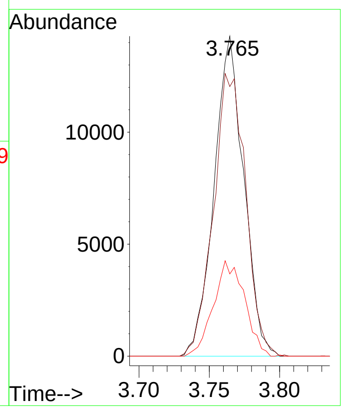
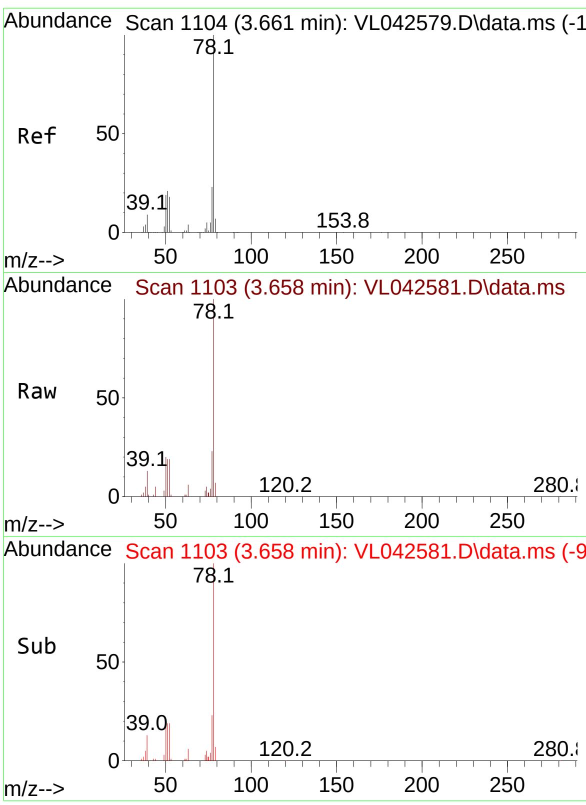
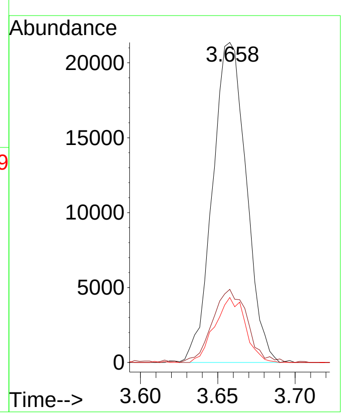


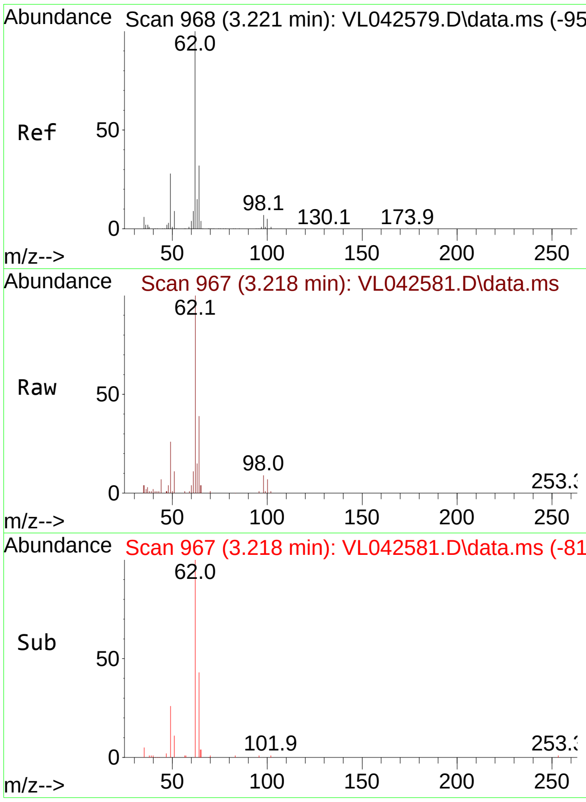


#36
Benzene
Concen: 1.068 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 78 Resp: 32310

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.2
50	20.3	15.2	22.8





#37
1,2-Dichloroethane
Concen: 1.039 ppbv
RT: 3.218 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 1562

Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.1	9.1

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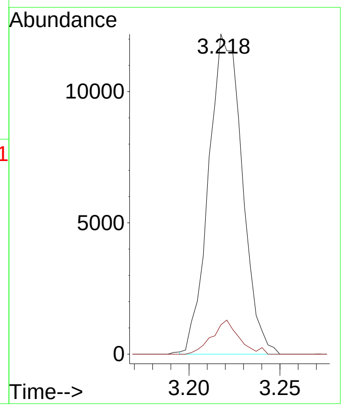
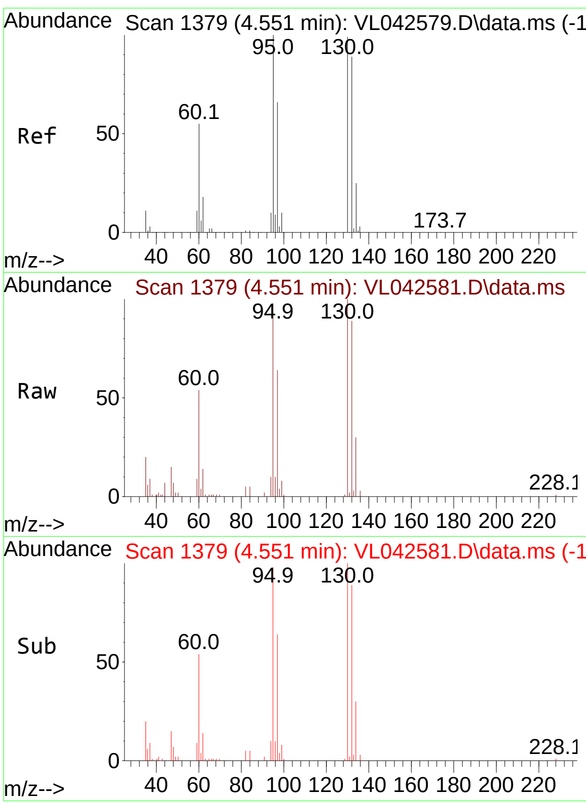
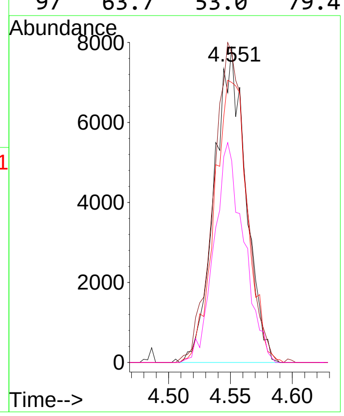


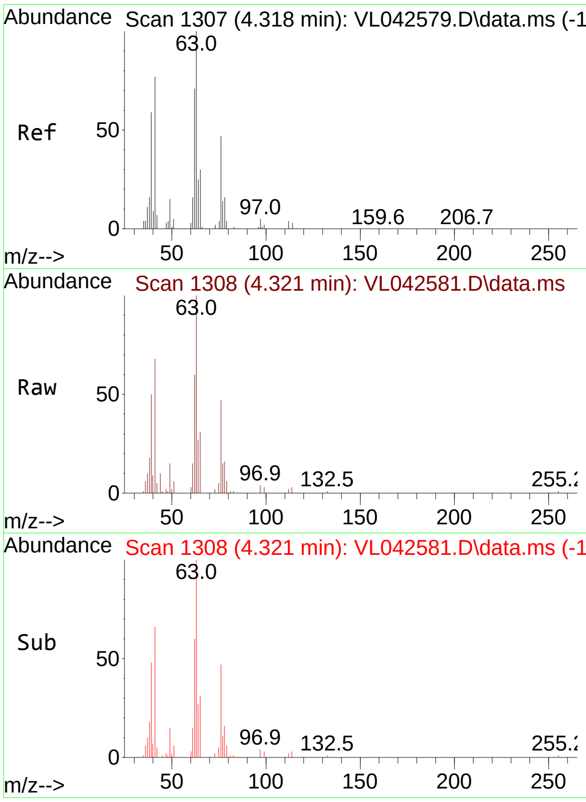


#38
Trichloroethene
Concen: 1.078 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:130 Resp: 13969

Ion	Ratio	Lower	Upper
130	100		
95	97.9	80.6	121.0
132	88.6	71.8	107.6
97	63.7	53.0	79.4





#39
1,2-Dichloropropane
Concen: 1.027 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1148

Ion	Ratio	Lower	Upper
63	100		
41	66.4	61.8	92.6
62	60.0	56.6	85.0

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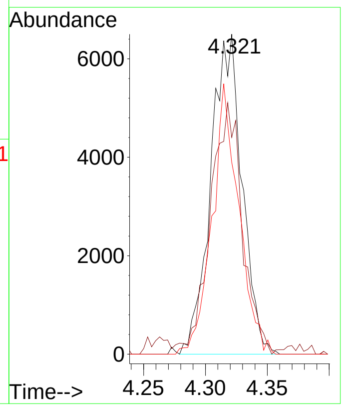
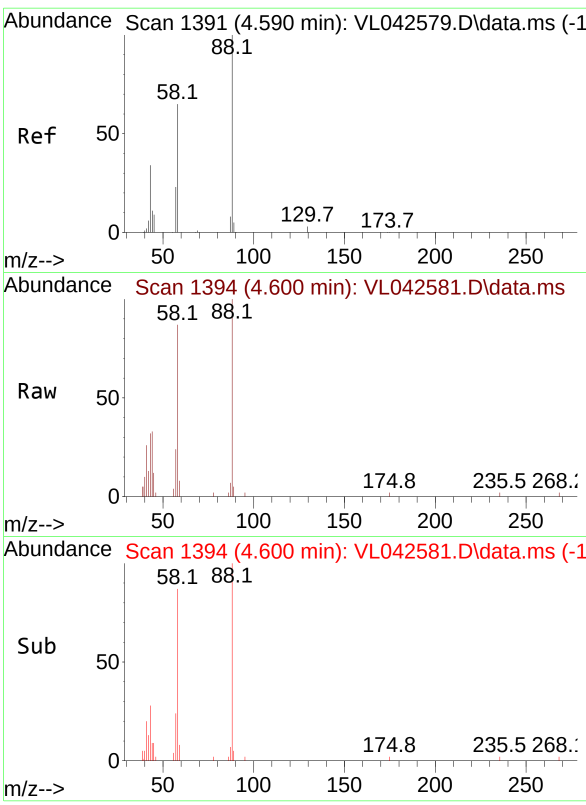
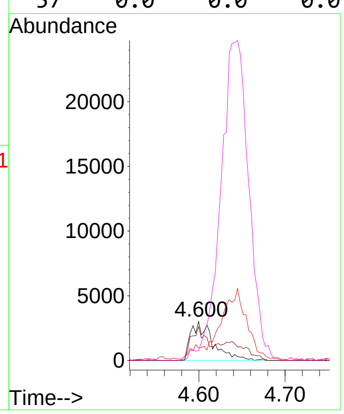


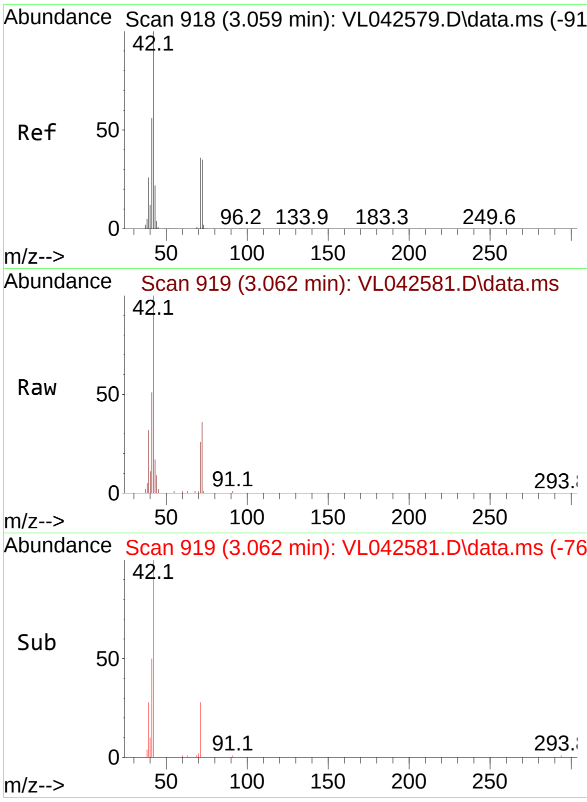


#40
1,4-Dioxane
Concen: 1.153 ppbv m
RT: 4.600 min Scan# 1394
Delta R.T. 0.010 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 88 Resp: 5479

Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8#
43	0.0	24.8	37.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 1.069 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 42 Resp: 1371

Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.9	43.3
71	34.6	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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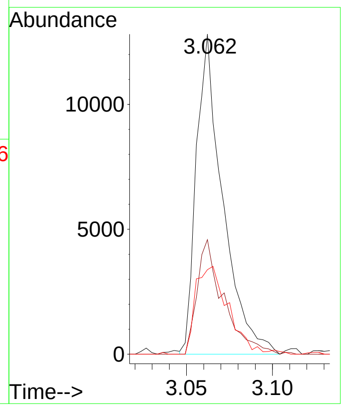
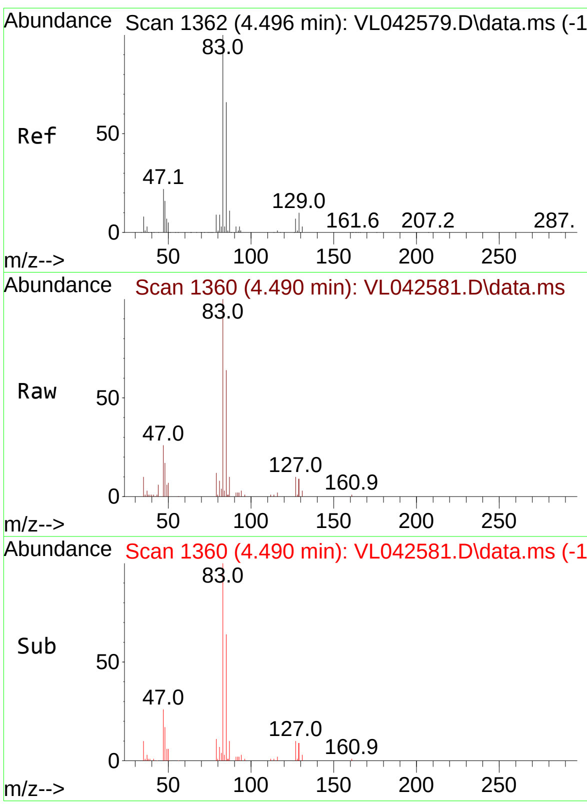
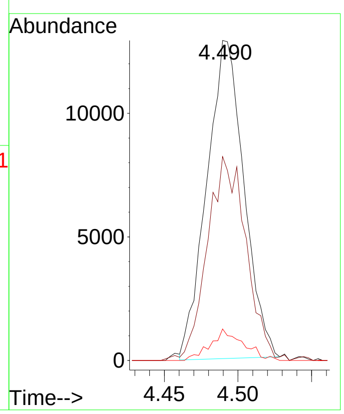


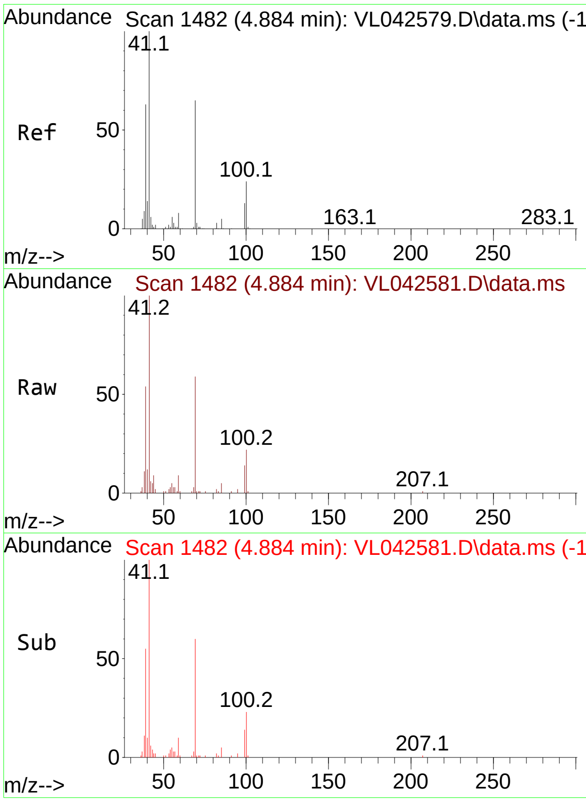


#42
Bromodichloromethane
Concen: 1.060 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 83 Resp: 22628

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1
127	10.0	5.8	8.6#

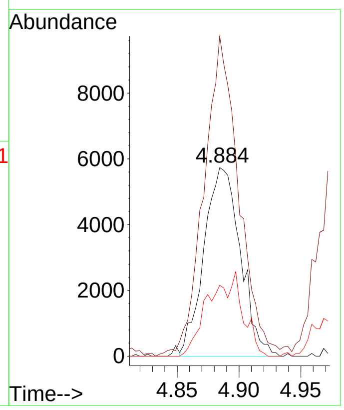




#43
Methyl Methacrylate
Concen: 1.007 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 69 Resp: 1181

Ion	Ratio	Lower	Upper
69	100		
41	158.9	124.6	187.0
100	41.9	29.9	44.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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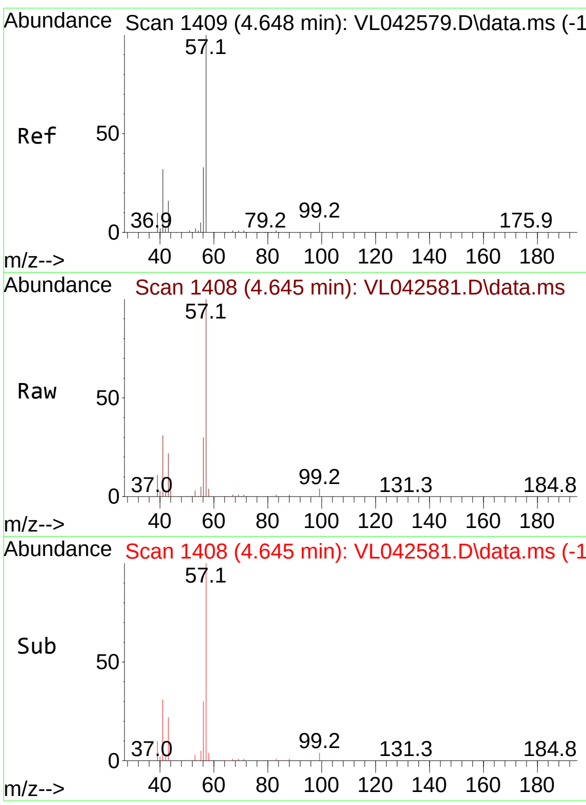
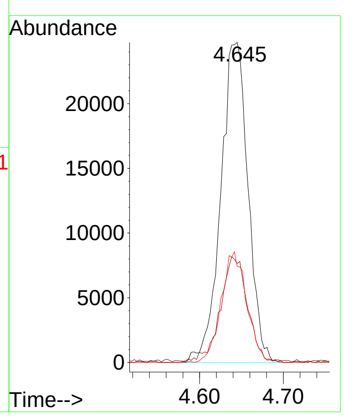
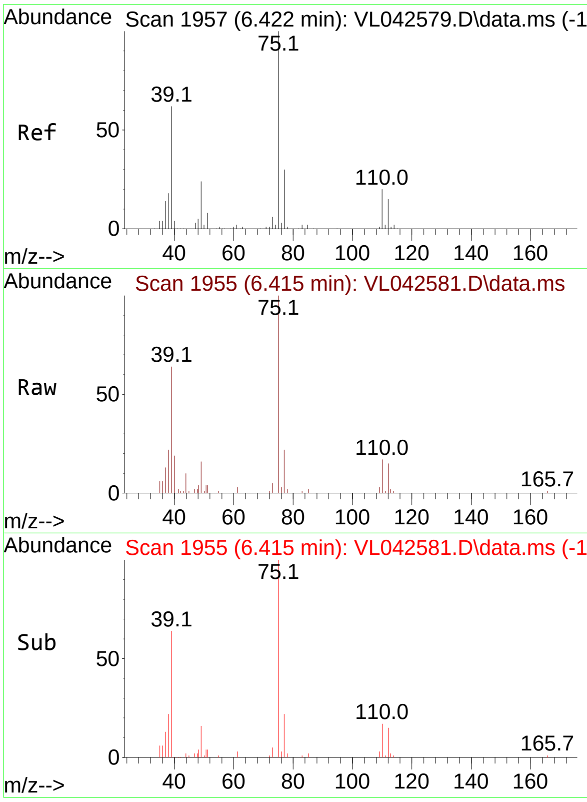


#44
2,2,4-Trimethylpentane
Concen: 1.087 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 57 Resp: 56202

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.1	39.1
56	32.4	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 1.041 ppbv m
RT: 6.415 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1398
Ion Ratio Lower Upper
75 100
77 22.0 24.2 36.2

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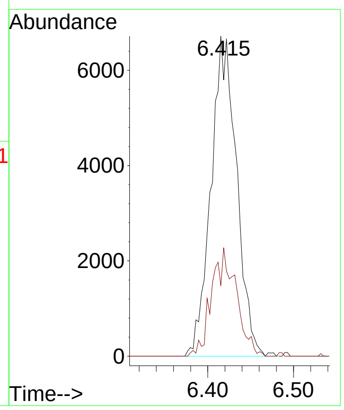
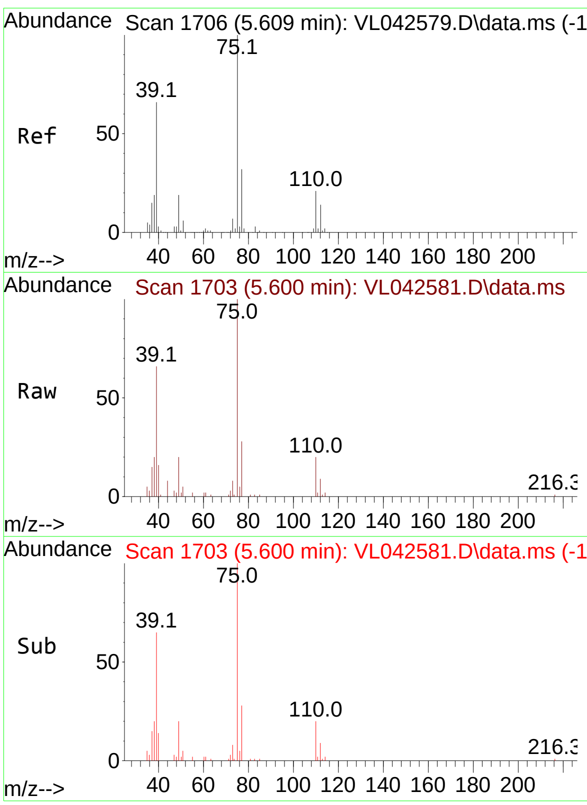
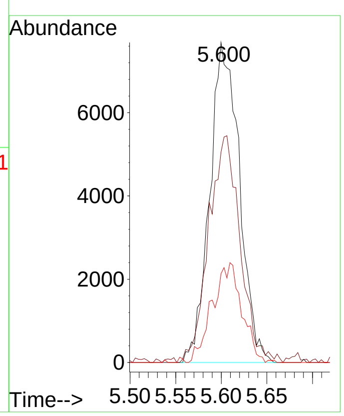
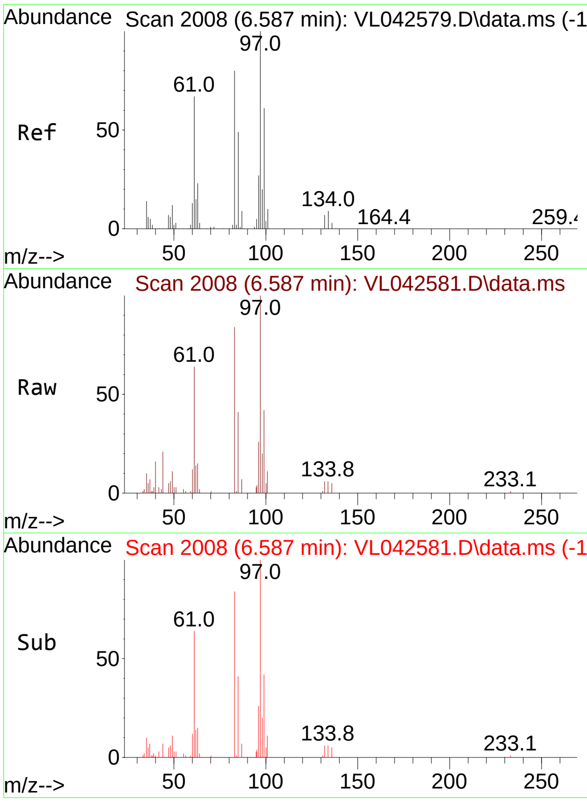




#46
cis-1,3-Dichloropropene
Concen: 1.037 ppbv m
RT: 5.600 min Scan# 1703
Delta R.T. -0.010 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 75 Resp: 17453
Ion Ratio Lower Upper
75 100
39 65.7 52.7 79.1
77 27.8 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 1.065 ppbv m
RT: 6.587 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 12328

Ion	Ratio	Lower	Upper
97	100		
83	83.6	63.9	95.9
85	40.7	39.2	58.8
99	42.5	49.0	73.4#

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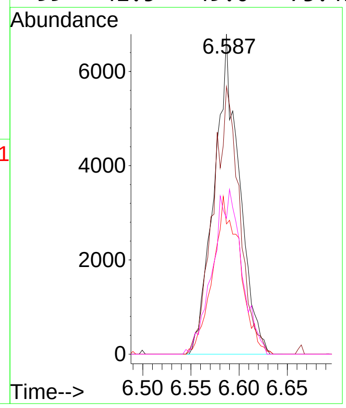
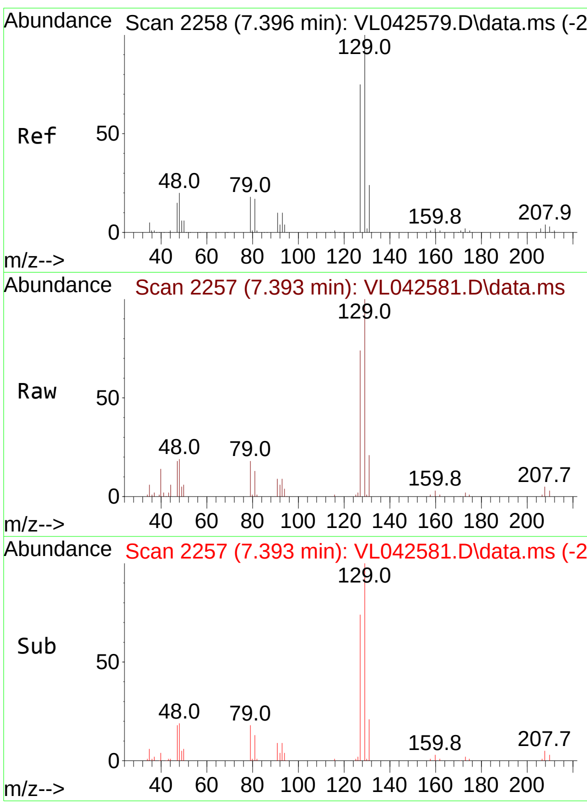
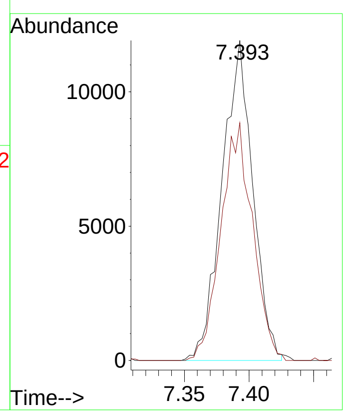


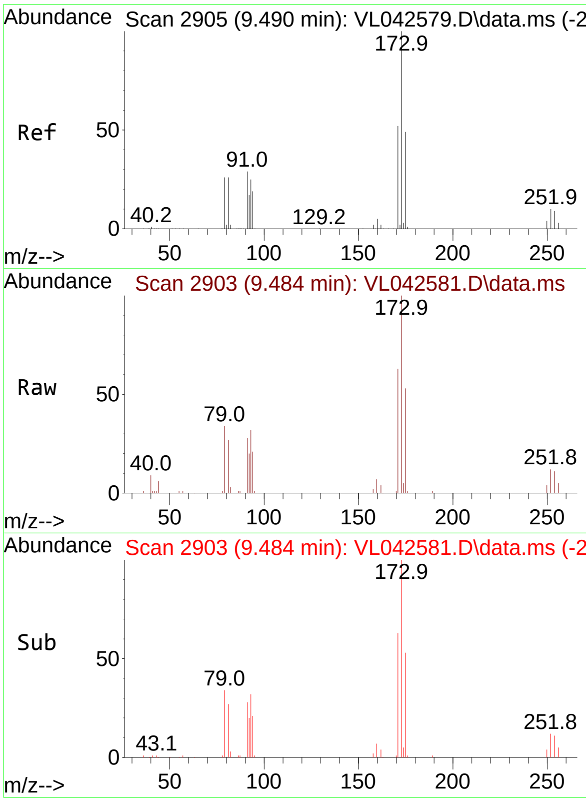


#48
Dibromochloromethane
Concen: 1.064 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:129 Resp: 19719

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.0	116.9





#49
Bromoform
Concen: 0.996 ppbv
RT: 9.484 min   Scan# 2
Delta R.T.   -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion:173 Resp: 1593

Ion	Ratio	Lower	Upper
173	100		
175	51.3	38.7	58.1
171	54.6	41.2	61.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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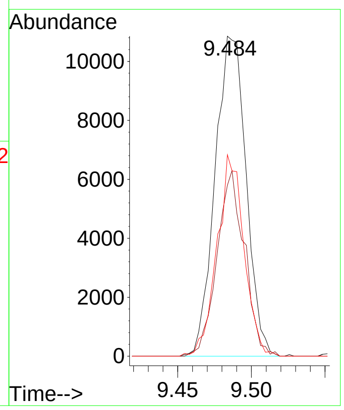
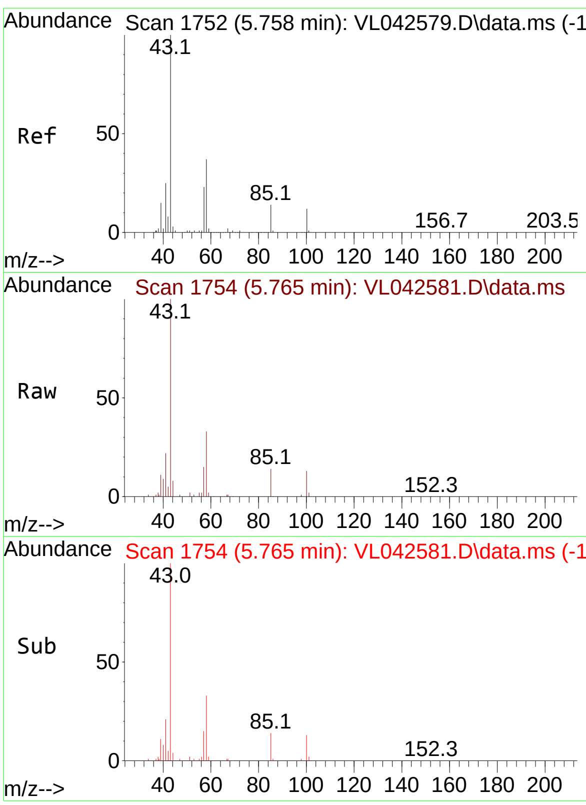
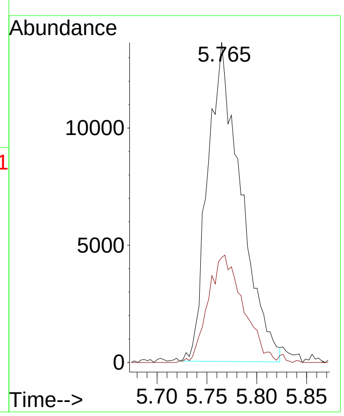


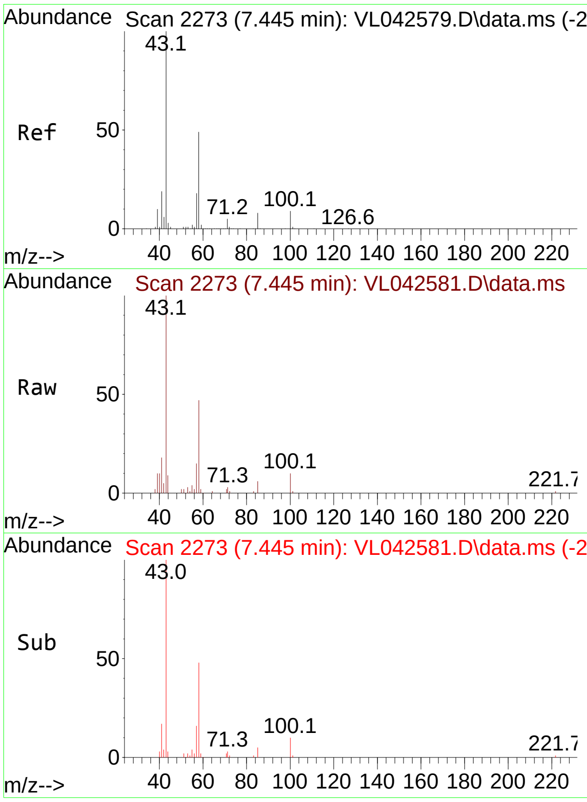


#50
4-Methyl-2-Pentanone
Concen: 1.037 ppbv
RT: 5.765 min   Scan# 1754
Delta R.T.   0.007 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion: 43 Resp: 31646

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.3	42.5





#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 43 Resp: 2513

Ion	Ratio	Lower	Upper
43	100		
58	47.5	39.9	59.9
98	0.1	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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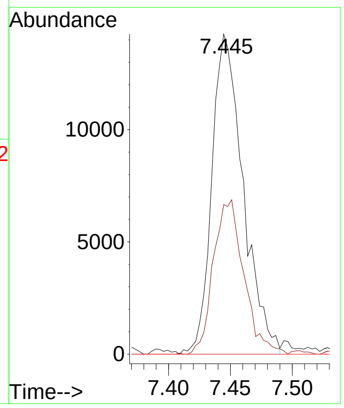
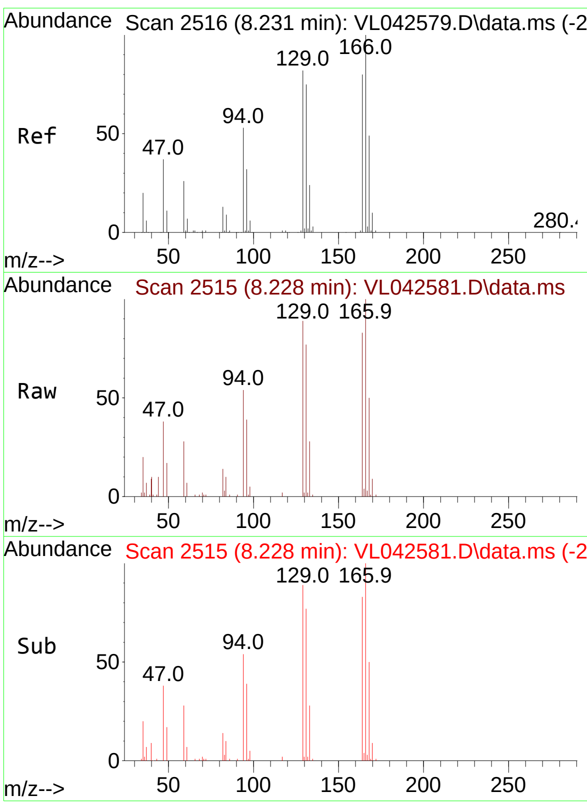
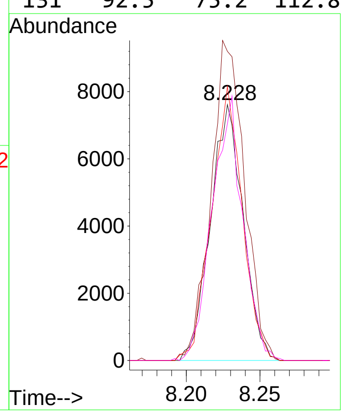


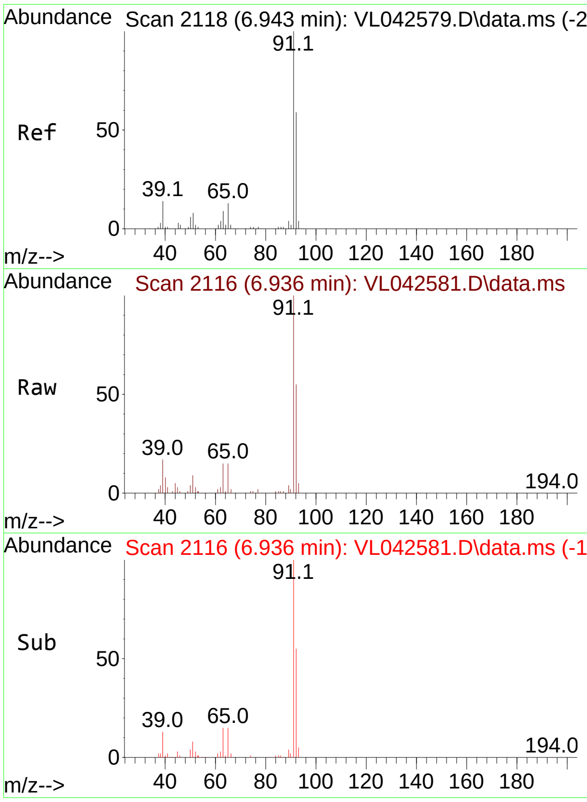


#52
Tetrachloroethene
Concen: 1.041 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:164 Resp: 11770

Ion	Ratio	Lower	Upper
164	100		
166	120.8	100.0	150.0
129	107.2	82.2	123.4
131	92.5	75.2	112.8





#53
Toluene
Concen: 1.045 ppbv
RT: 6.936 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3654

Ion	Ratio	Lower	Upper
91	100		
92	62.6	48.2	72.4

Manual Integrations
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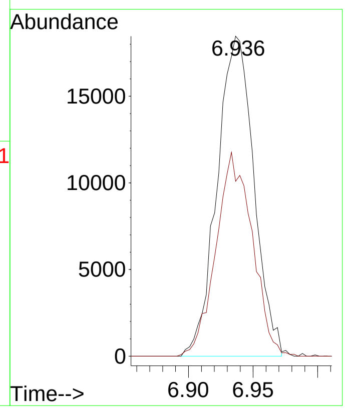
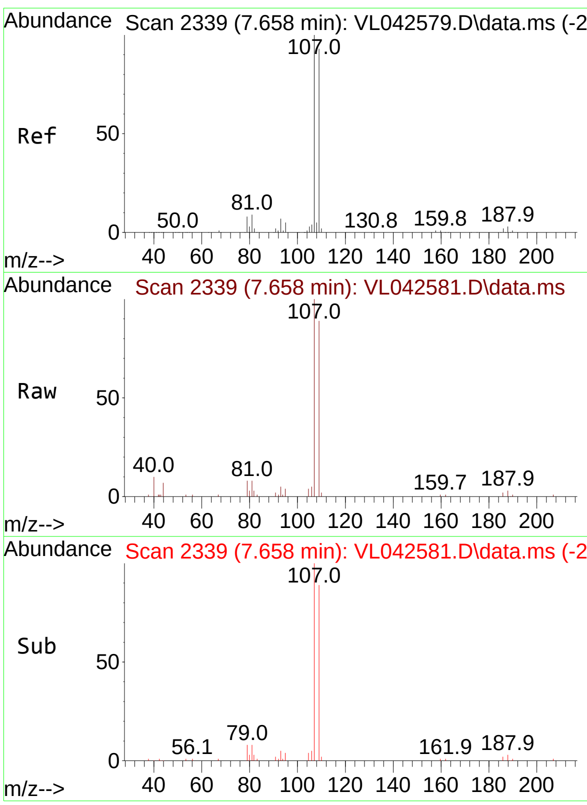
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

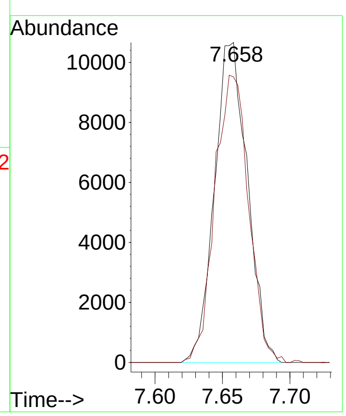


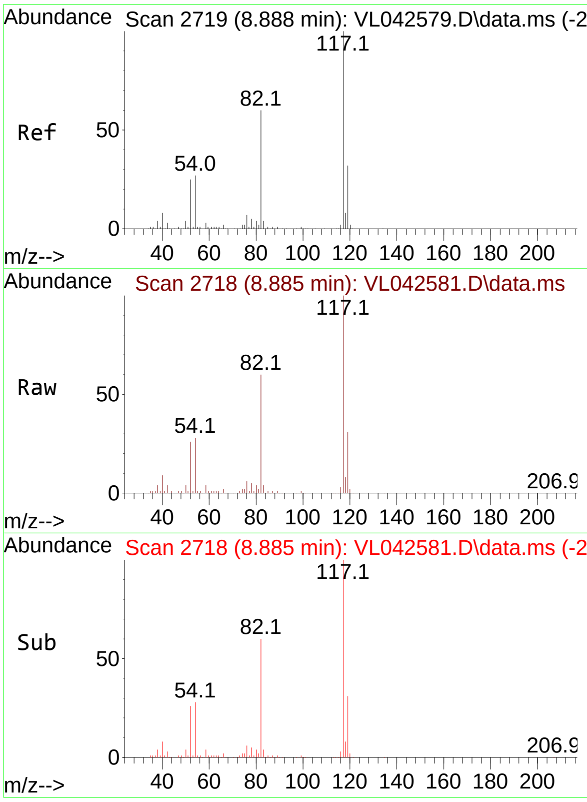


#54
1,2-Dibromoethane
Concen: 1.055 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:107 Resp: 18114

Ion	Ratio	Lower	Upper
107	100		
109	89.3	74.3	111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:117 Resp: 27940

Ion	Ratio	Lower	Upper
117	100		
82	61.5	51.2	76.8
119	31.7	26.3	39.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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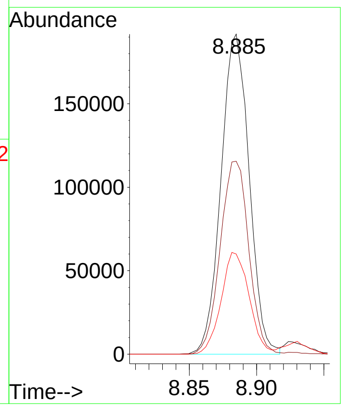
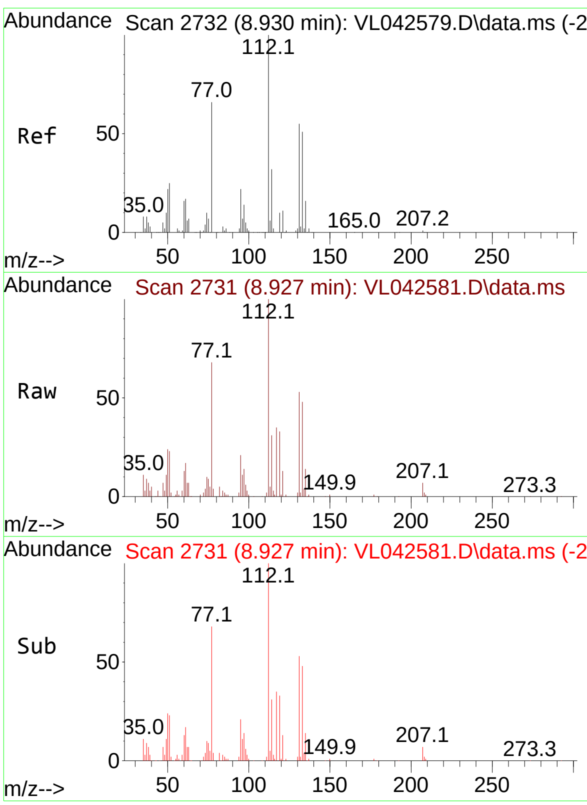
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

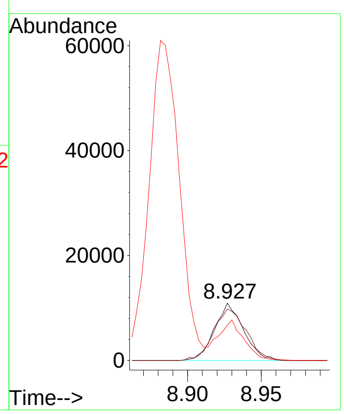


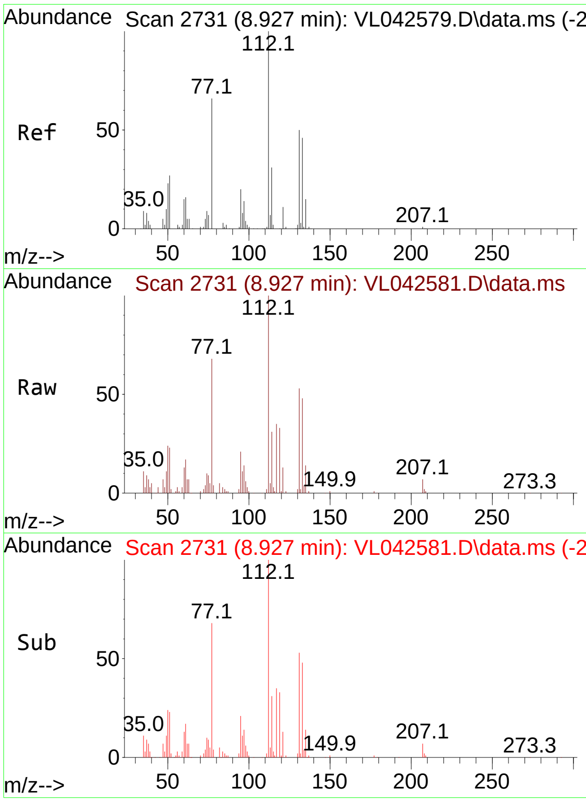


#56
1,1,1,2-Tetrachloroethane
Concen: 1.066 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:131 Resp: 14971

Ion	Ratio	Lower	Upper
131	100		
133	101.1	75.0	112.6
119	62.0	50.8	76.2





#57
Chlorobenzene
Concen: 1.058 ppbv
RT: 8.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 2871

Ion	Ratio	Lower	Upper
112	100		
77	67.1	53.5	80.3
114	30.4	27.8	34.0

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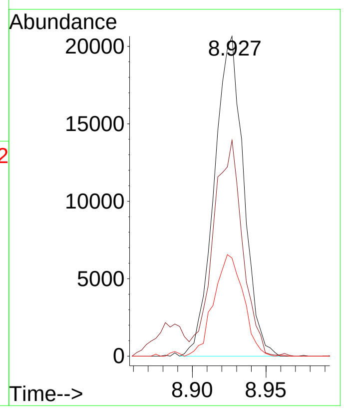
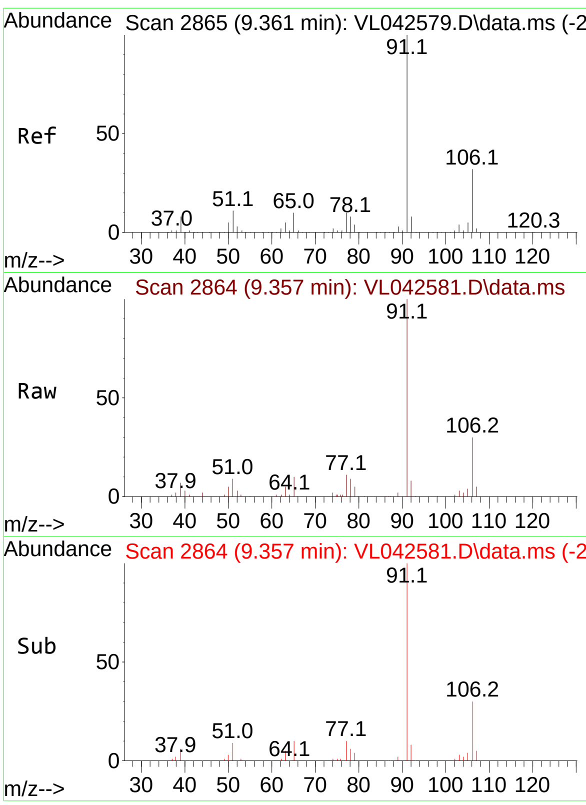
Supervised By :Mahesh Dadoda 05/30/2025

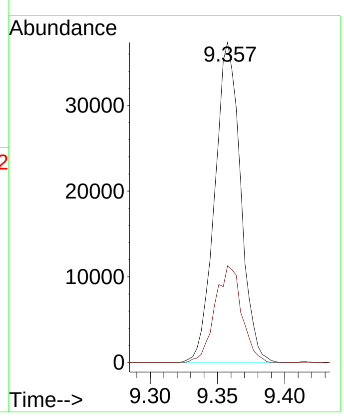


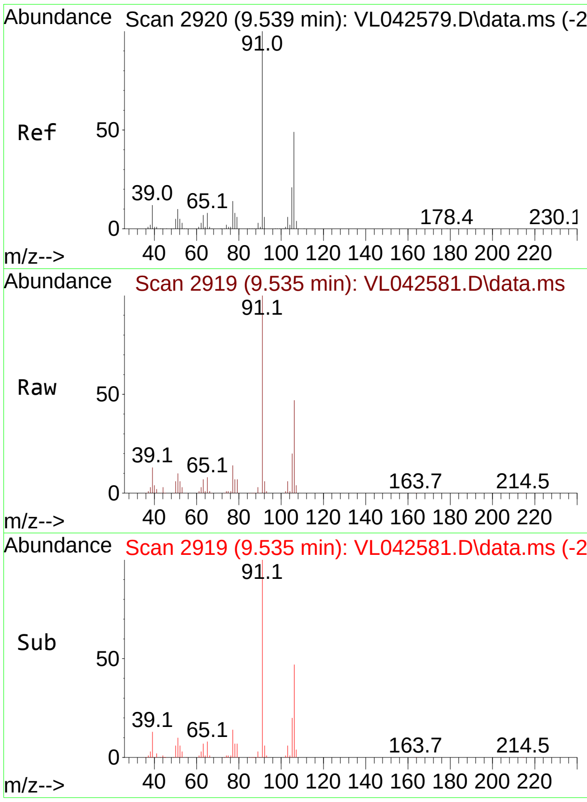


#58
Ethyl Benzene
Concen: 1.053 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 49899

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.9	38.9





#59
m/p-Xylene
Concen: 2.115 ppbv m
RT: 9.535 min   Scan# 29
Delta R.T.   -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion: 91 Resp: 78891

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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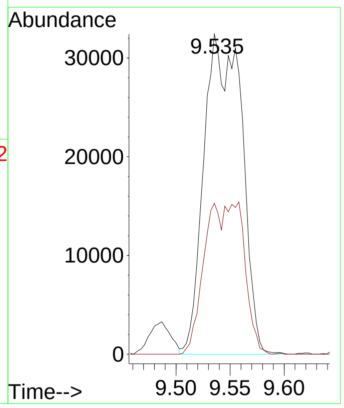
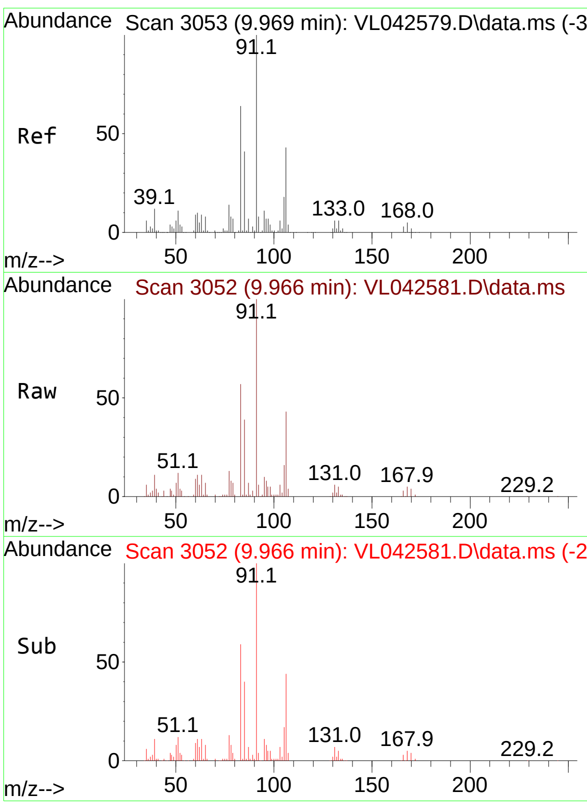
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

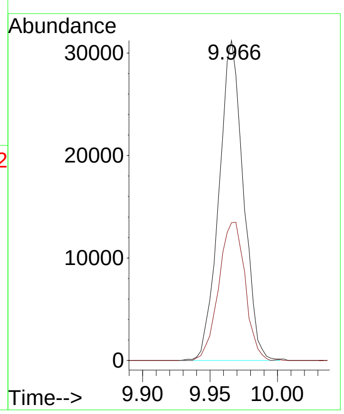


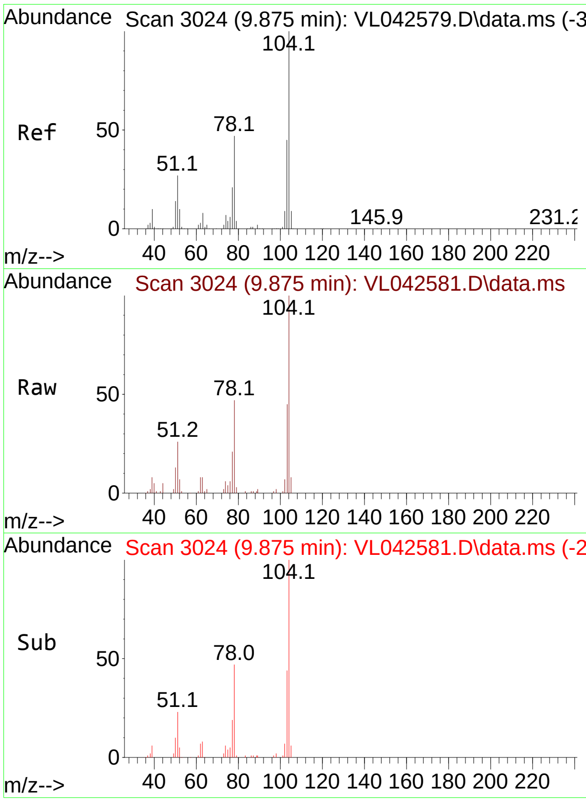


#60
o-Xylene
Concen: 1.059 ppbv
RT: 9.966 min   Scan# 3052
Delta R.T.   -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion: 91 Resp: 39398

Ion	Ratio	Lower	Upper
91	100		
106	46.6	22.9	68.5





#61
Styrene
Concen: 1.045 ppbv
RT: 9.875 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:104 Resp: 1837

Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.4
103	45.5	36.7	55.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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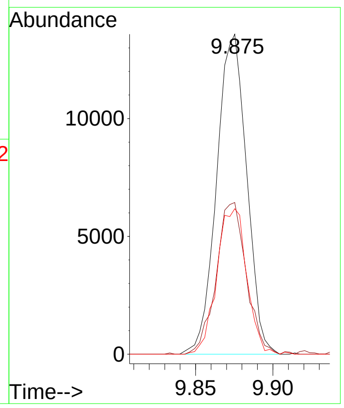
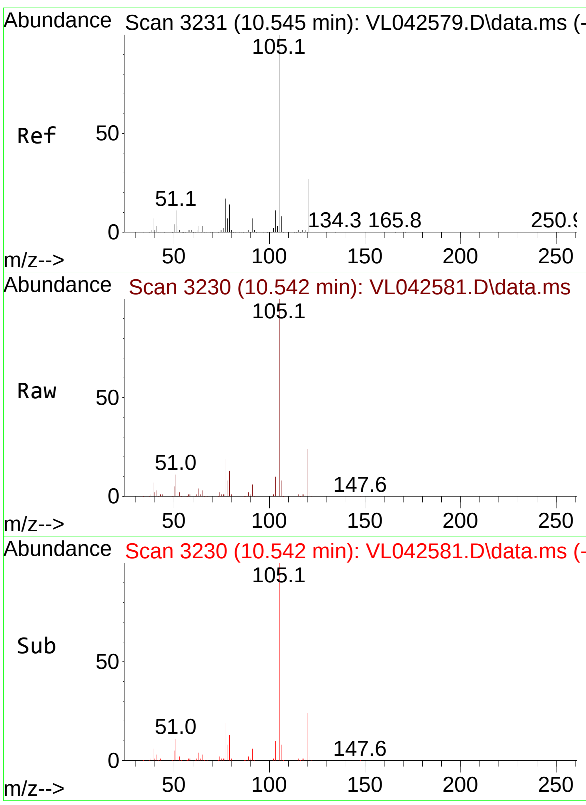
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

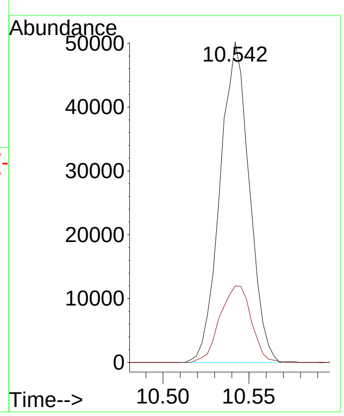


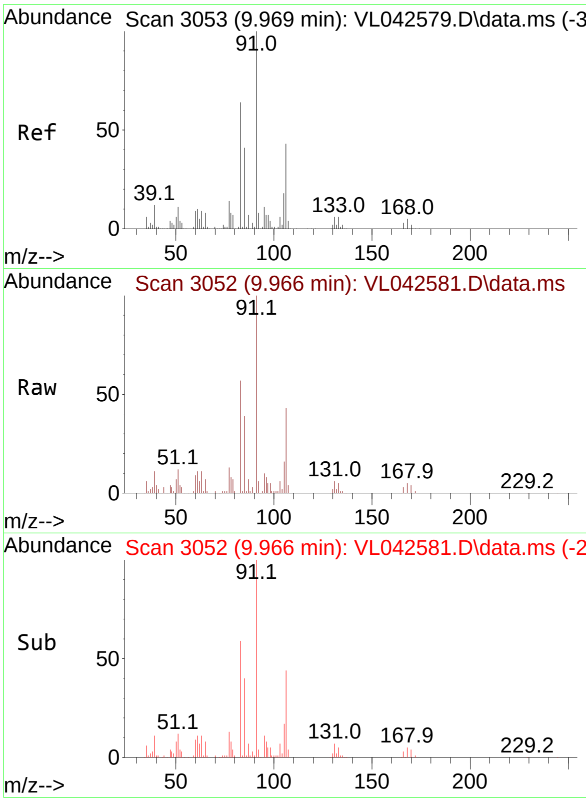


#62
Isopropylbenzene
Concen: 1.083 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 59492

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 1.017 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2405

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.4
85	65.3	32.5	97.4

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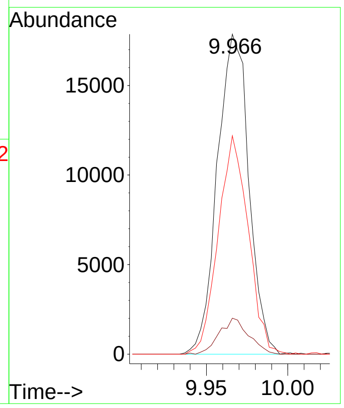
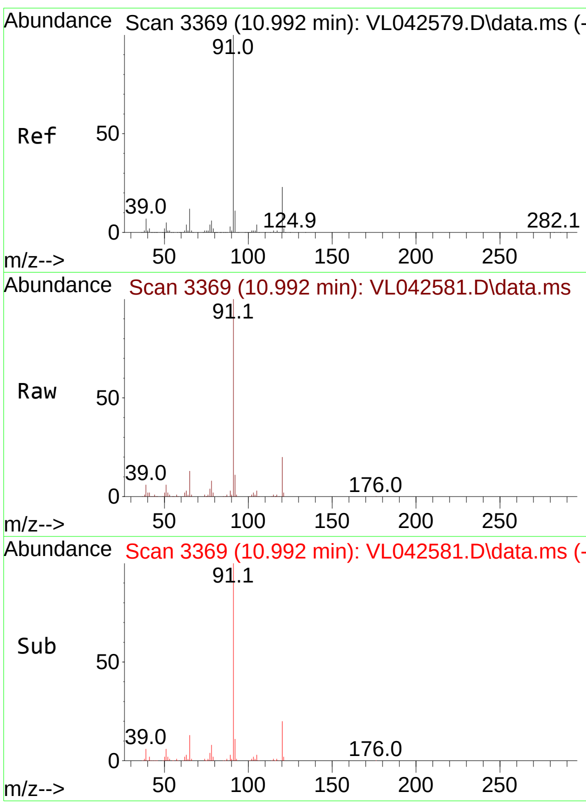
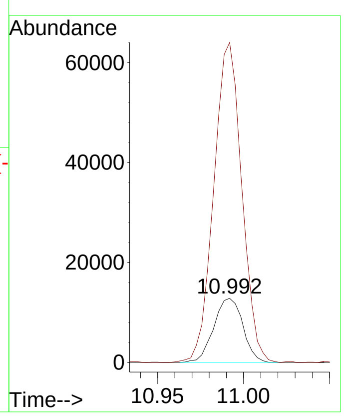


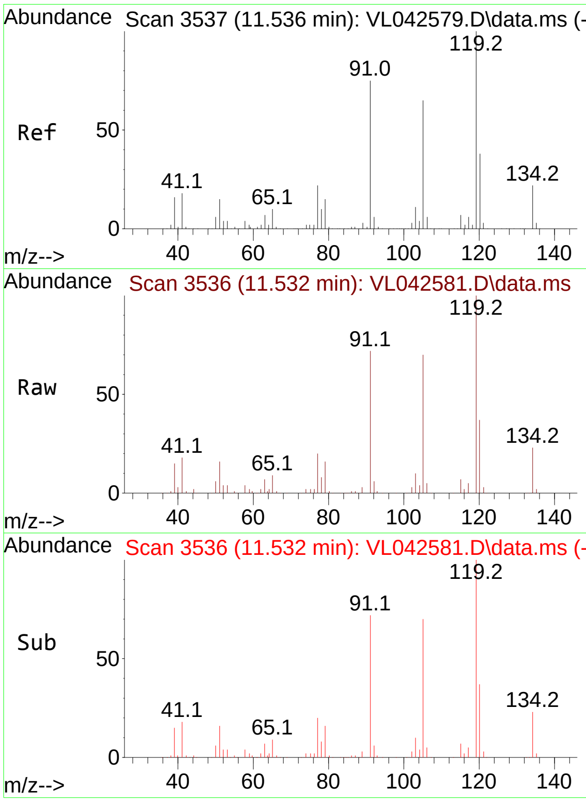


#64
n-propylbenzene
Concen: 1.026 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:120 Resp: 15107

Ion	Ratio	Lower	Upper
120	100		
91	480.9	363.0	544.6





#65
tert-Butylbenzene
Concen: 1.077 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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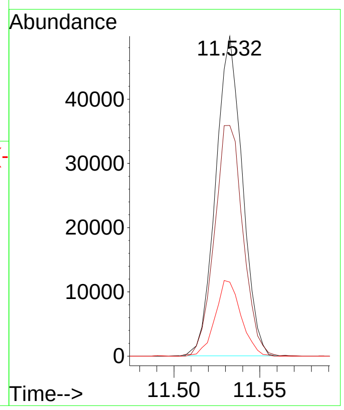
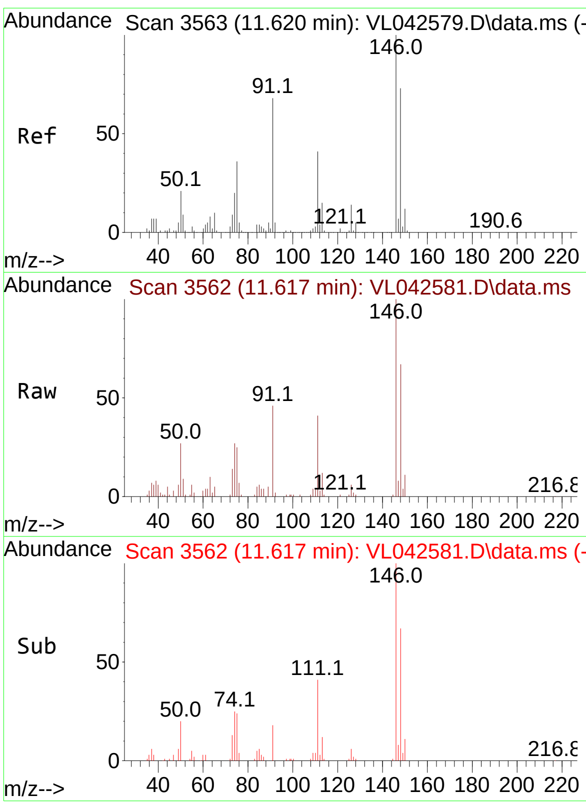
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion:119 Resp: 5372

Ion	Ratio	Lower	Upper
119	100		
91	77.4	61.1	91.7
134	23.0	17.4	26.2

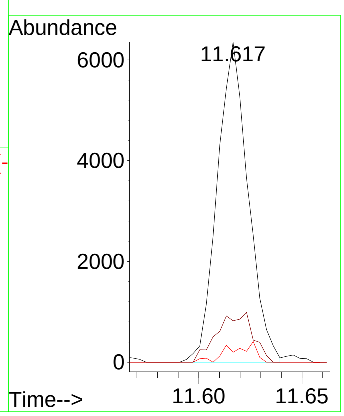


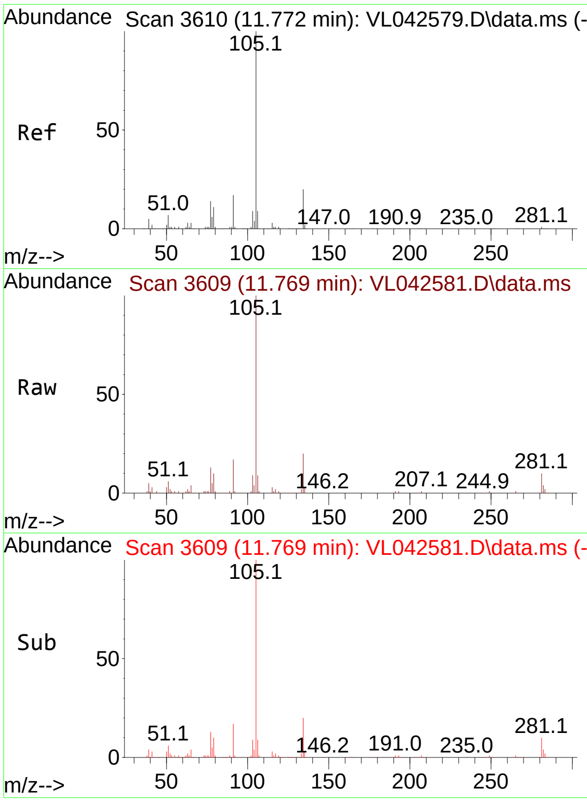


#66
Benzyl Chloride
Concen: 1.029 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 6617

Ion	Ratio	Lower	Upper
91	100		
126	18.1	15.1	22.7
128	5.3	5.0	7.6





#67
sec-Butylbenzene
Concen: 1.093 ppbv
RT: 11.769 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 7663

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.8	23.6

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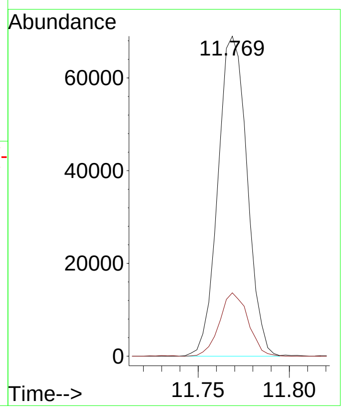
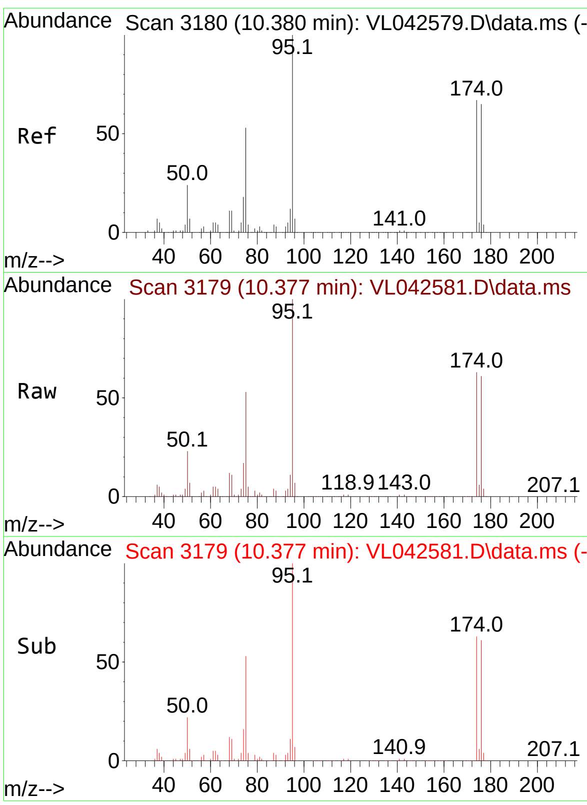
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

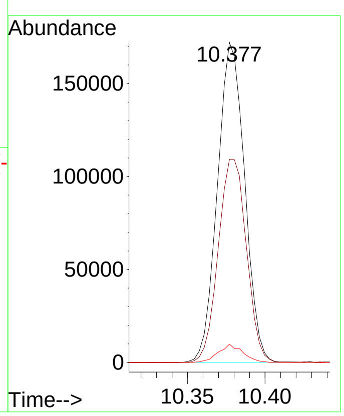


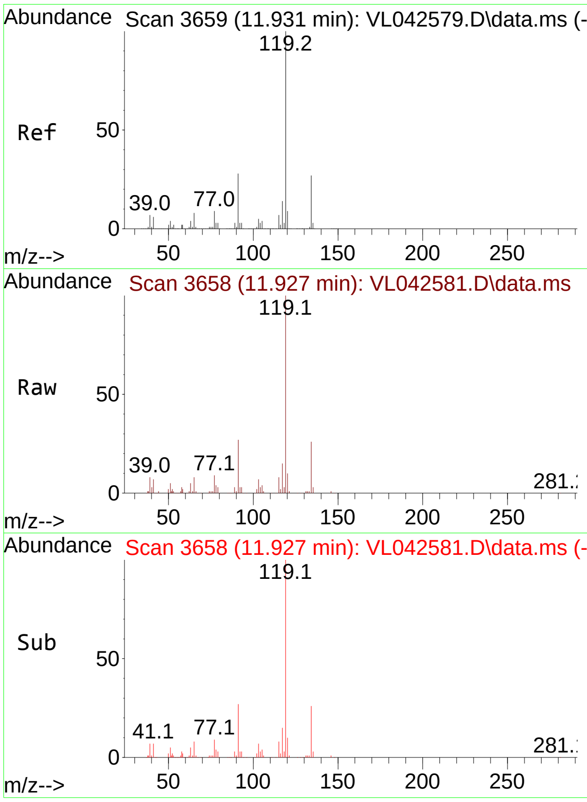


#68
1-Bromo-4-Fluorobenzene
Concen: 10.021 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 95 Resp: 209886

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.1	79.7
175	5.1	4.2	6.2





#69
p-Isopropyltoluene
Concen: 1.070 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:119 Resp: 6284

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.4	21.9	32.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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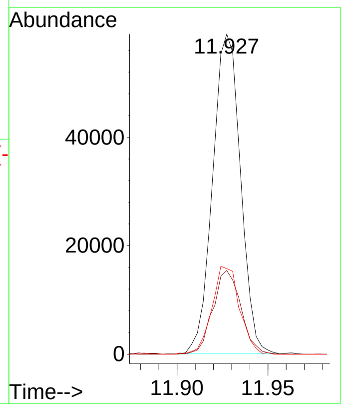
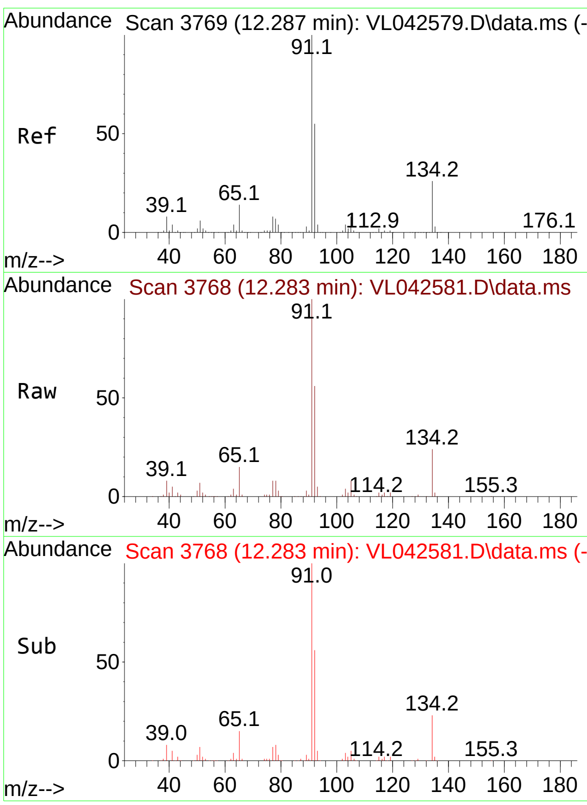
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

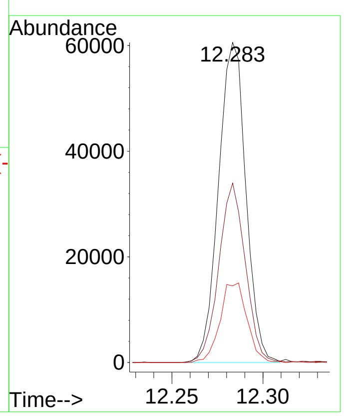


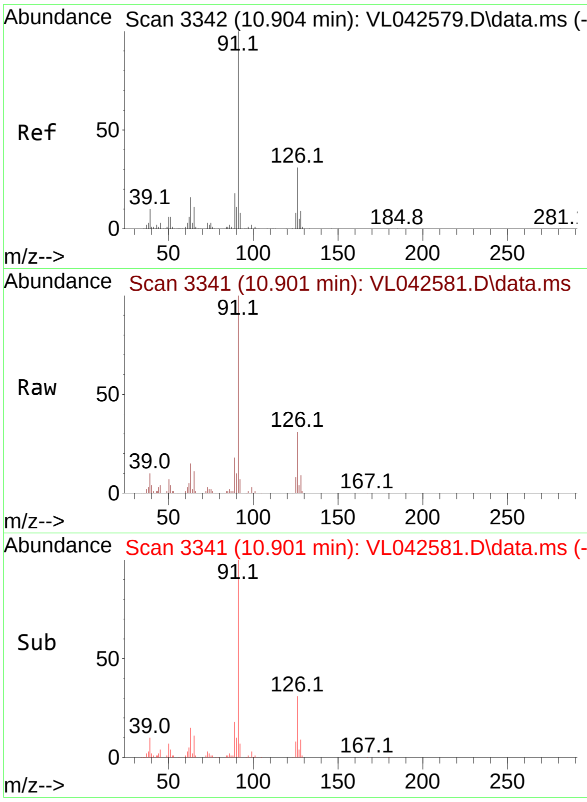


#70
n-Butylbenzene
Concen: 1.093 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 63350

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	24.8	20.1	30.1





#71
2-Chlorotoluene
Concen: 1.080 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 4525

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.6	50.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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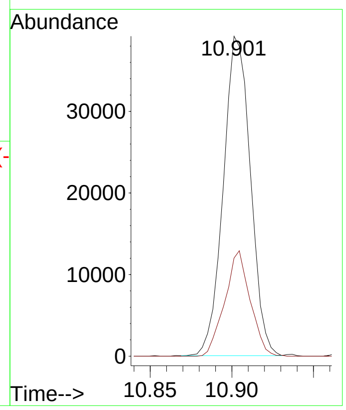
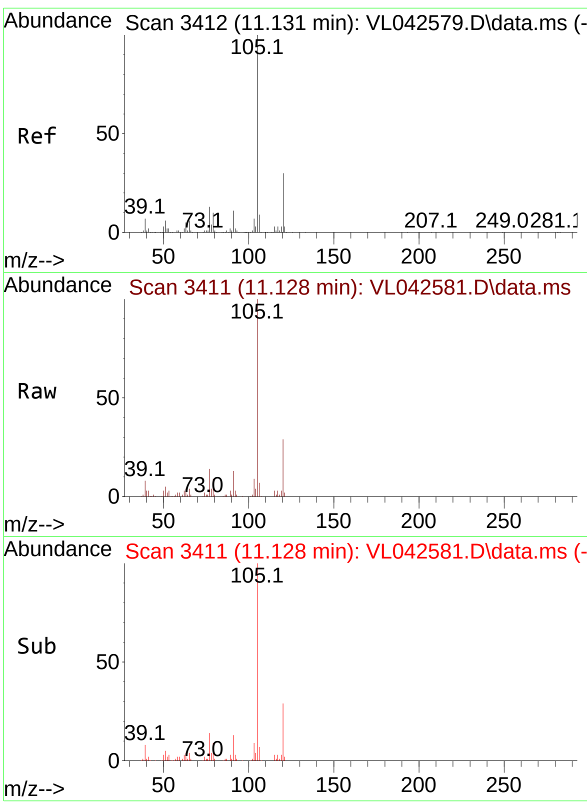
Supervised By :Mahesh Dadoda 05/30/2025

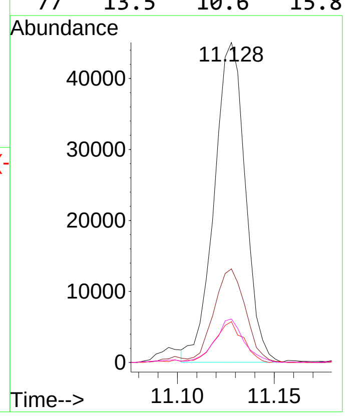


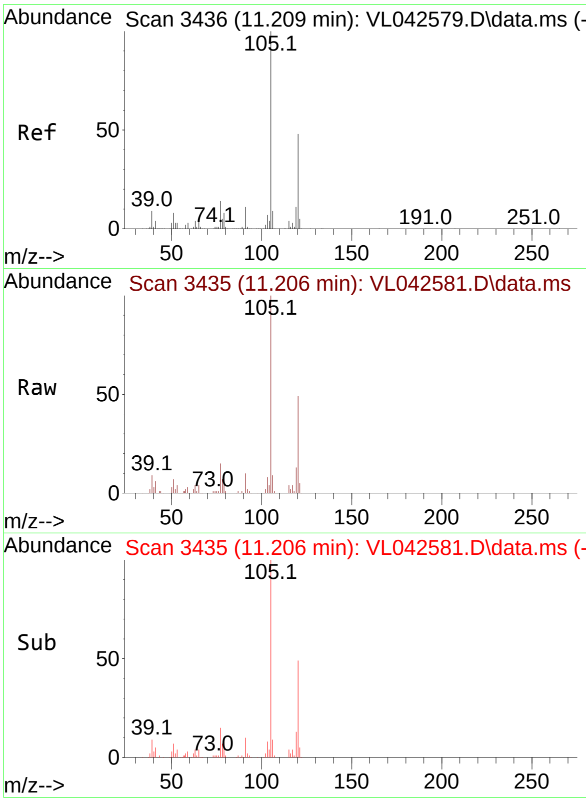


#72
4-Ethyltoluene
Concen: 1.083 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 50214

Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.6	36.8
91	12.6	9.6	14.4
77	13.5	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 1.079 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4141

Ion	Ratio	Lower	Upper
105	100		
120	48.7	38.8	58.2

Manual Integrations
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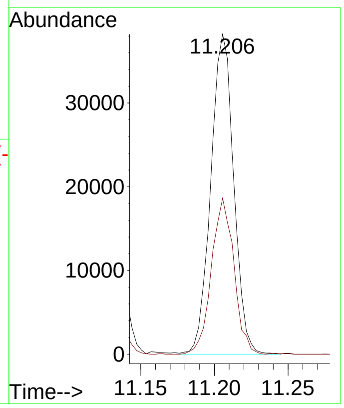
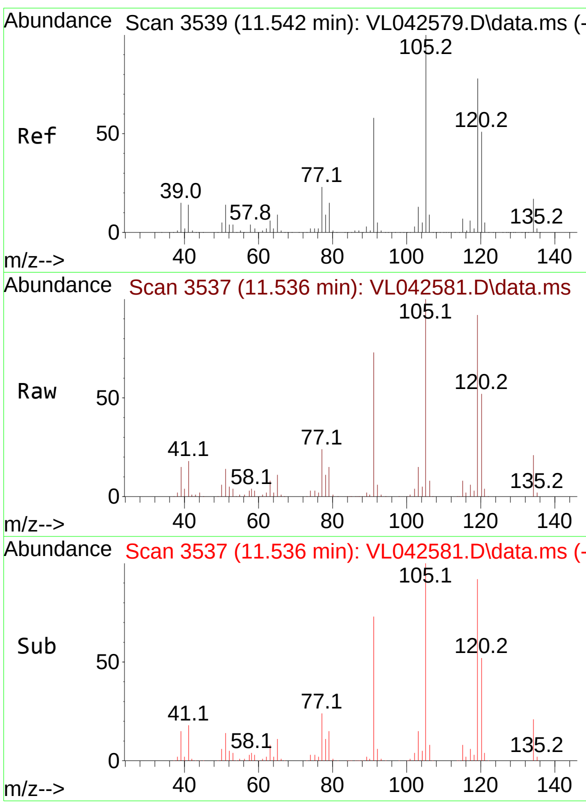
Supervised By :Mahesh Dadoda 05/30/2025

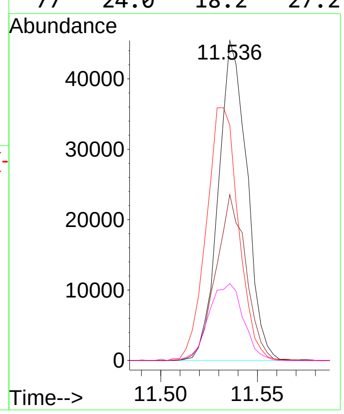


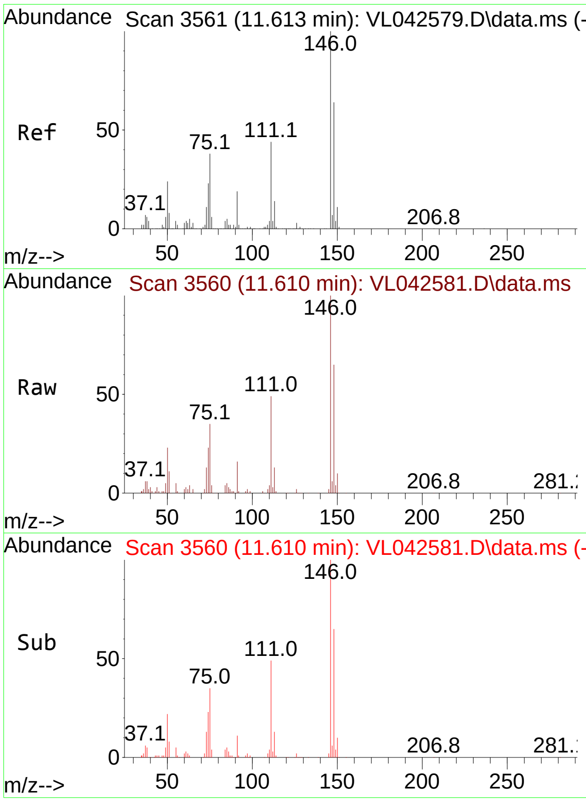


#74
1,2,4-Trimethylbenzene
Concen: 1.099 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 46810

Ion	Ratio	Lower	Upper
105	100		
120	51.5	40.8	61.2
91	73.3	46.8	70.2#
77	24.0	18.2	27.2





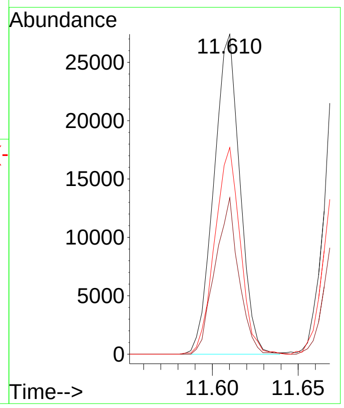
#75
1,3-Dichlorobenzene
Concen: 1.080 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

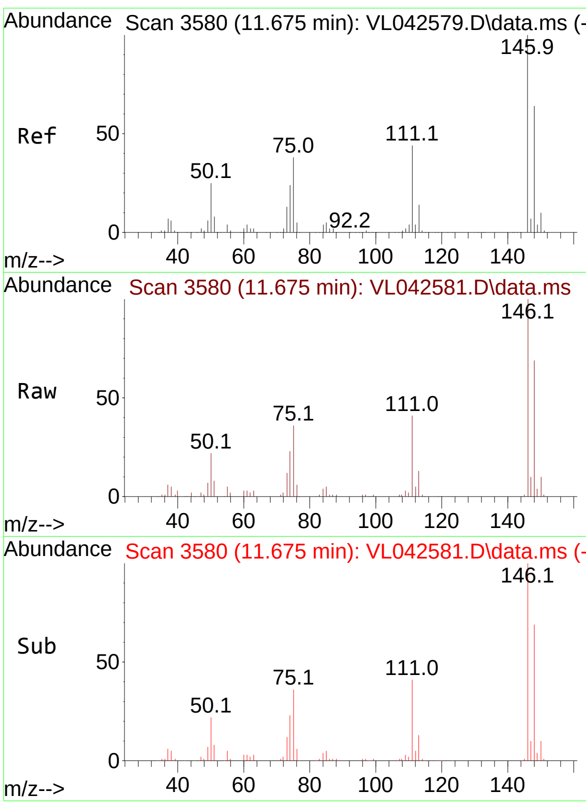
Tgt Ion:146 Resp: 2888

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	63.1	32.0	96.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

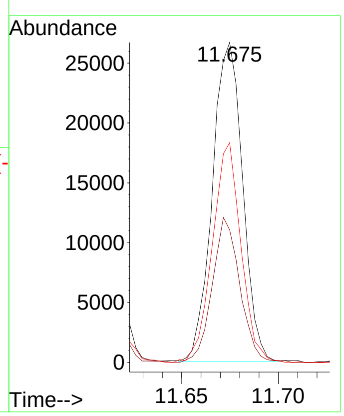


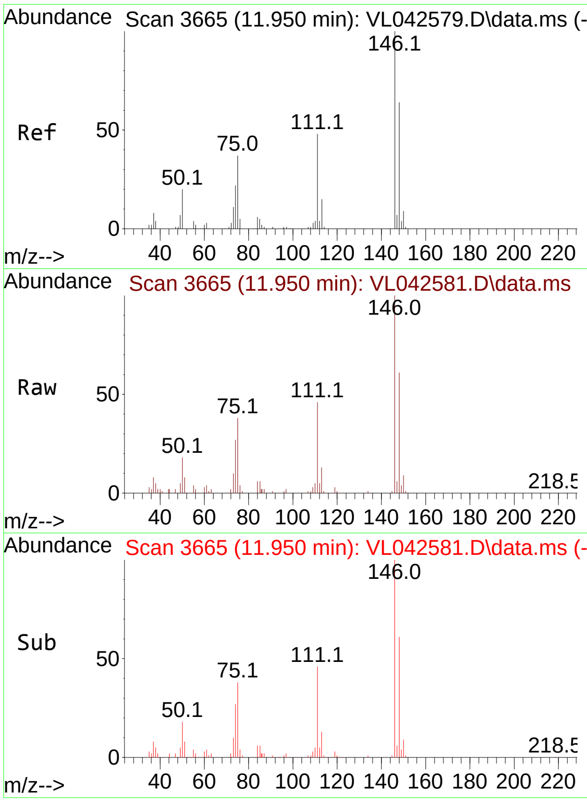


#76
1,4-Dichlorobenzene
Concen: 1.089 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:146 Resp: 29060

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	64.8
148	64.9	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 1.085 ppbv
RT: 11.950 min Scan# 3(
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:146 Resp: 2817(

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.1	69.3
148	60.6	32.1	96.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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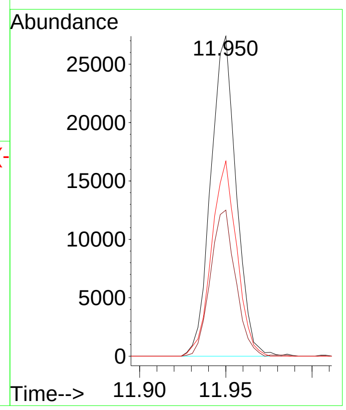
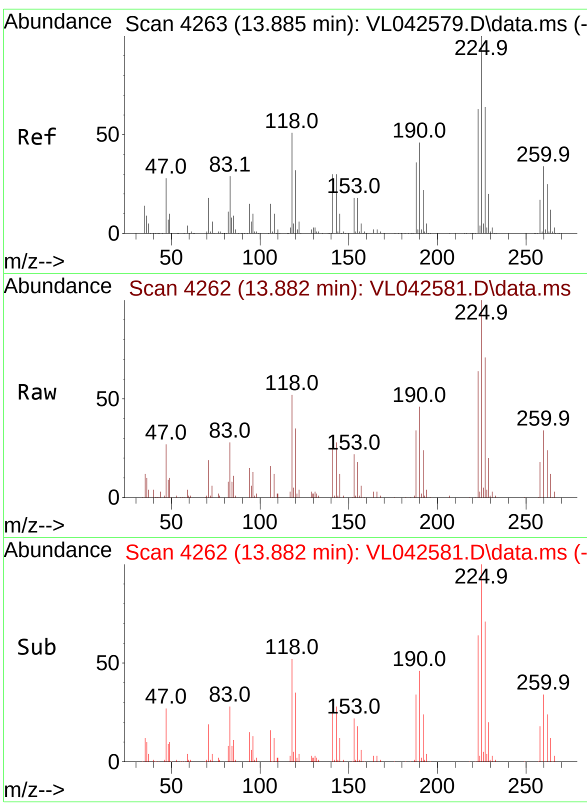
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

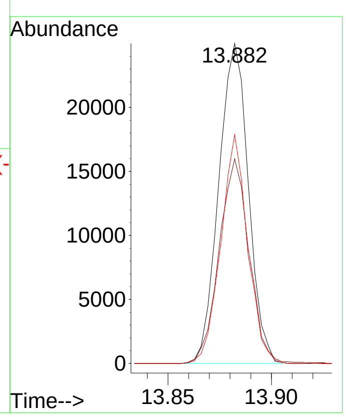


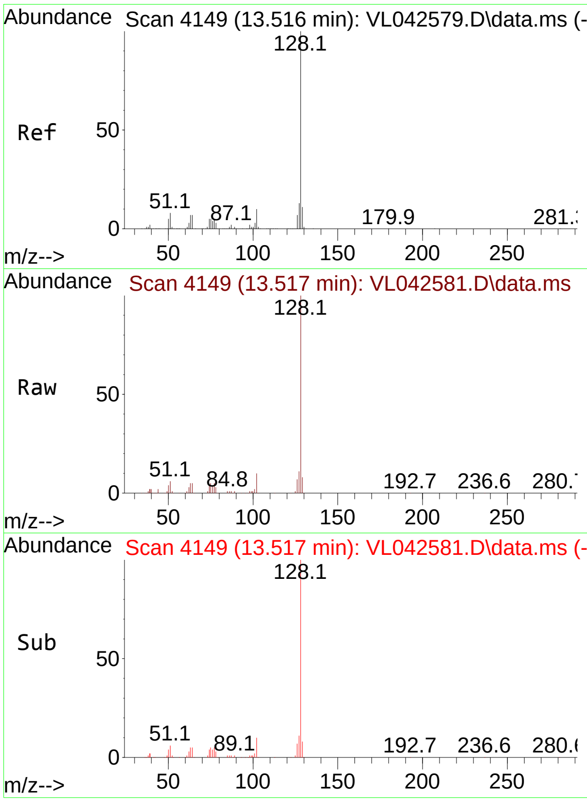


#78
Hexachloro-1,3-Butadiene
Concen: 1.162 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:225 Resp: 24950

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.2	75.4
227	64.6	51.1	76.7





#79
Naphthalene
Concen: 1.141 ppbv
RT: 13.517 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:128 Resp: 4564

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.4
129	8.1	8.8	13.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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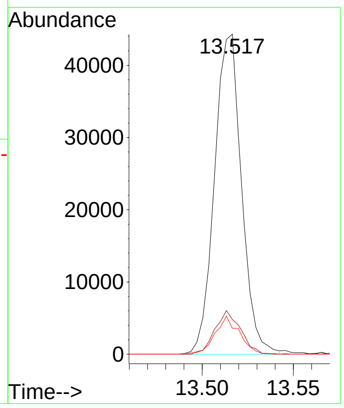
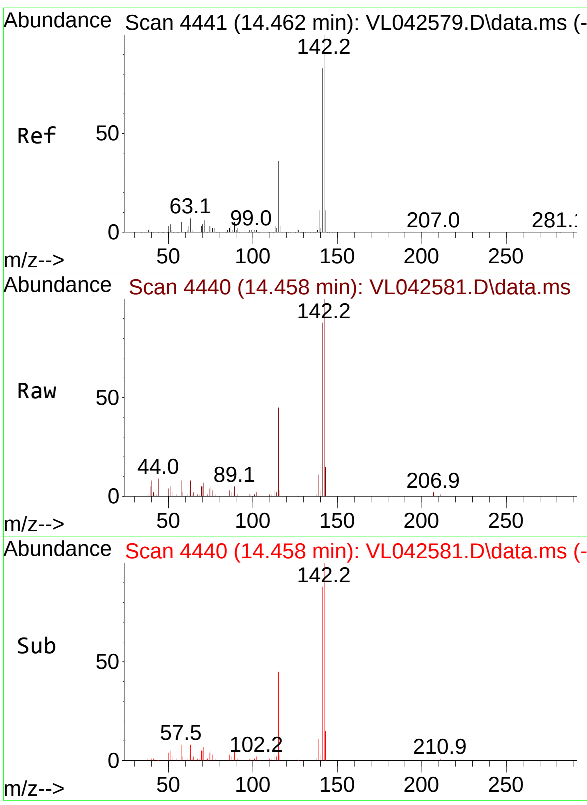
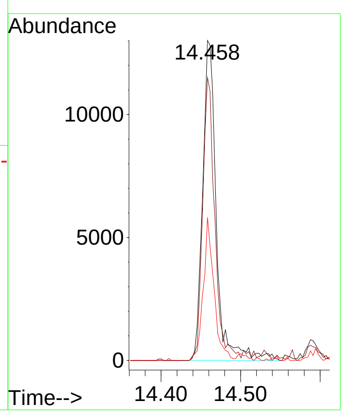


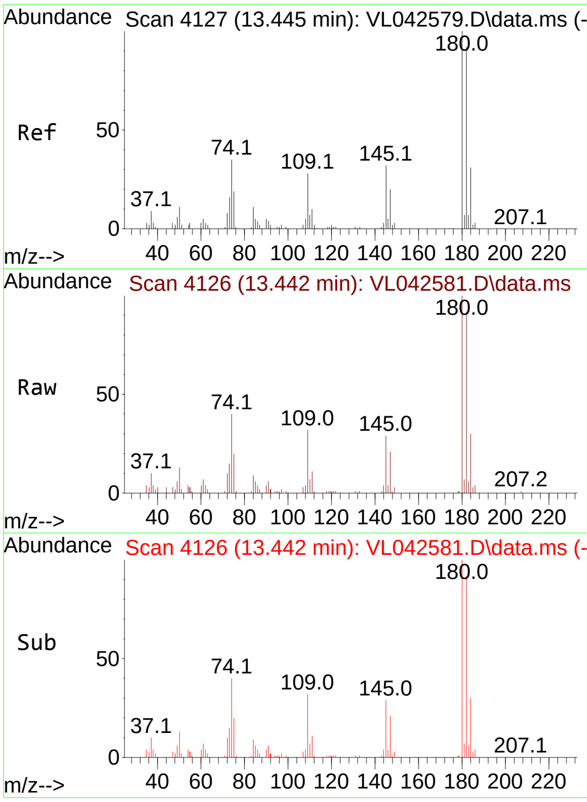


#80
Naphthalene,2-methyl-
Concen: 0.866 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:142 Resp: 15700

Ion	Ratio	Lower	Upper
142	100		
141	78.1	66.2	99.4
115	36.5	28.3	42.5

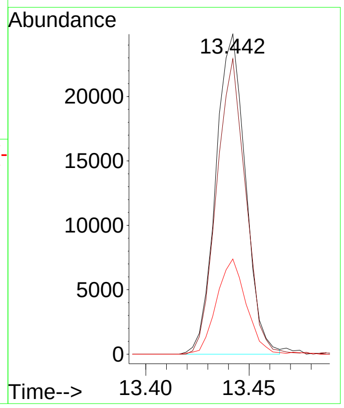




#81
1,2,4-Trichlorobenzene
Concen: 1.108 ppbv
RT: 13.442 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:180 Resp: 24841

Ion	Ratio	Lower	Upper
180	100		
182	90.6	75.0	112.4
184	30.0	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

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 2
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

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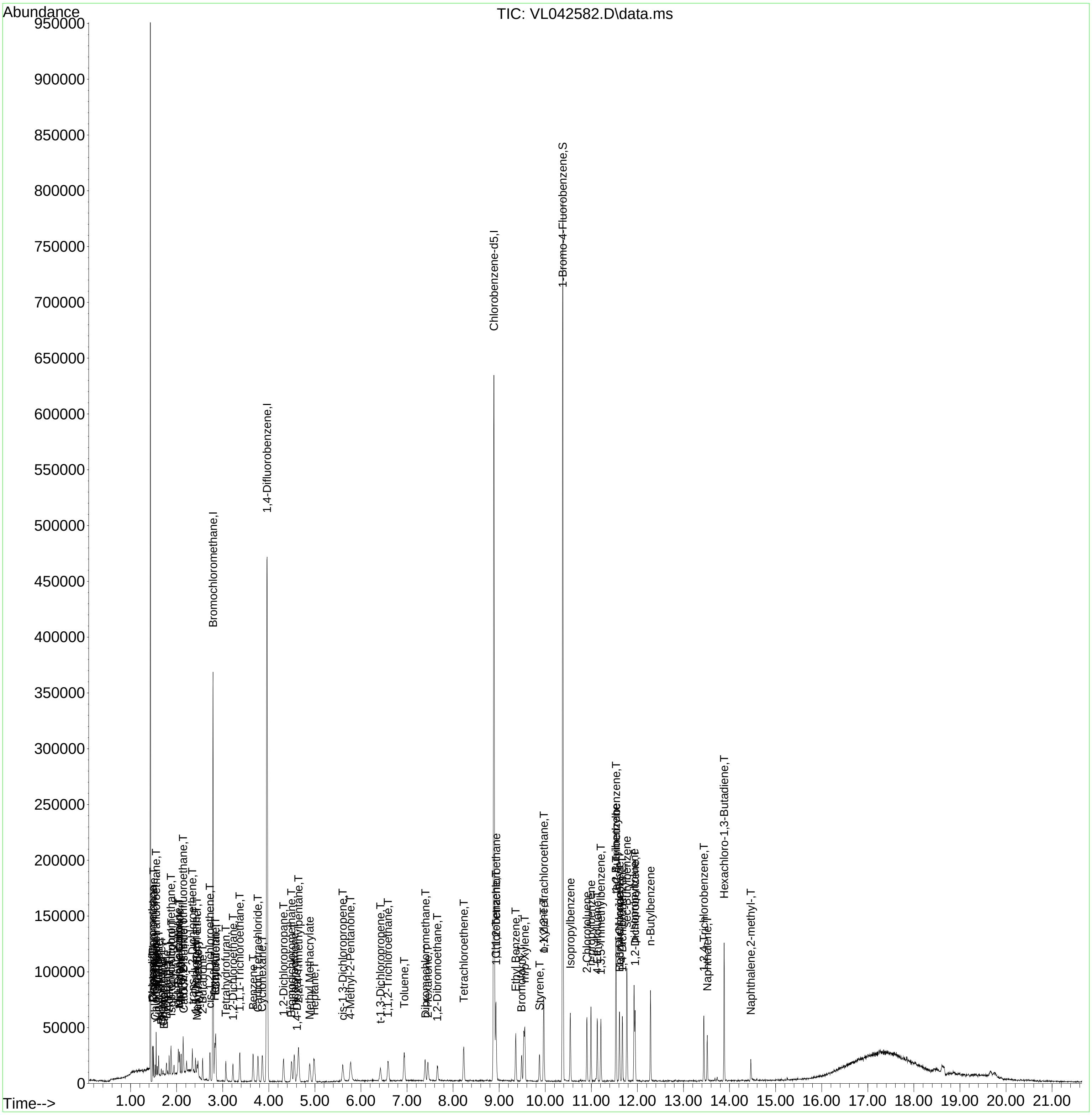

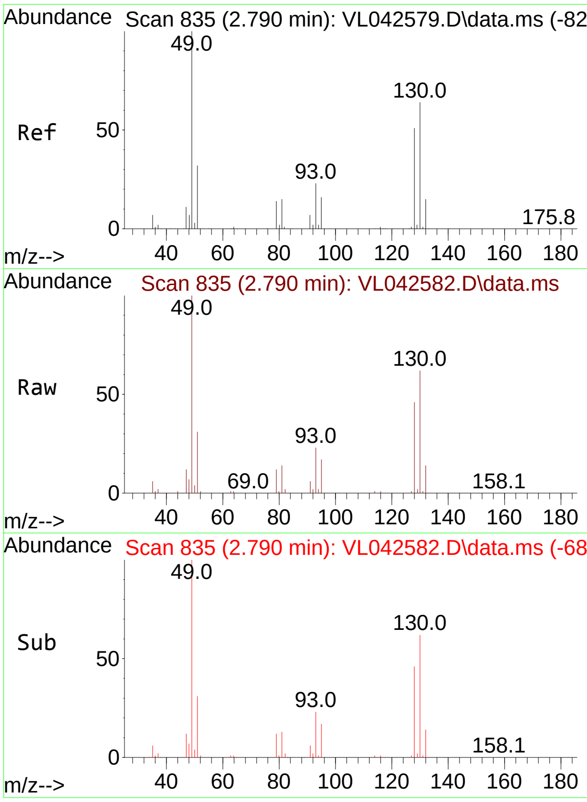

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 49 Resp: 10290

Ion	Ratio	Lower	Upper
49	100		
128	46.9	24.2	72.6
130	59.7	30.4	91.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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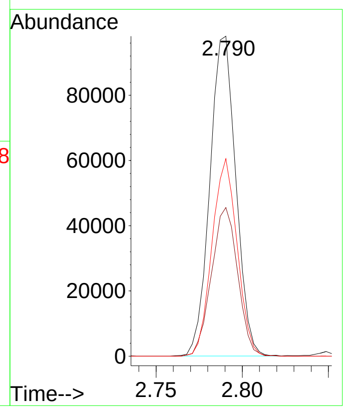
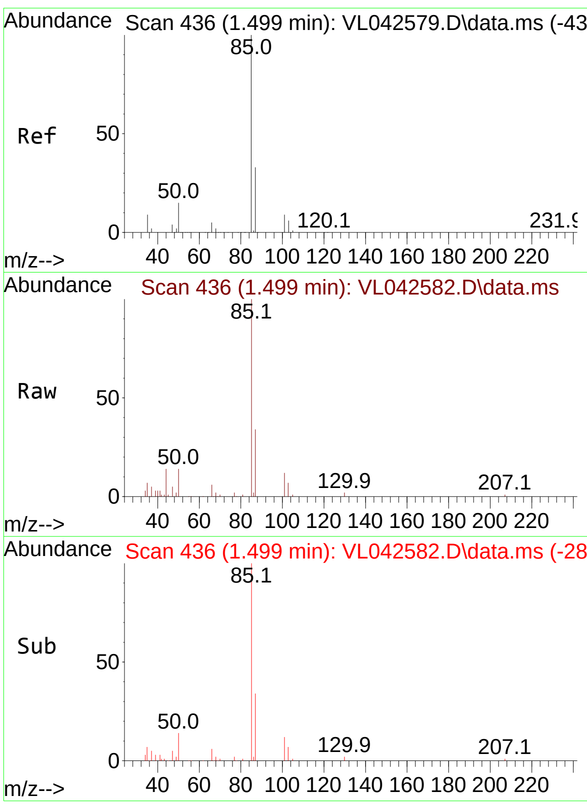
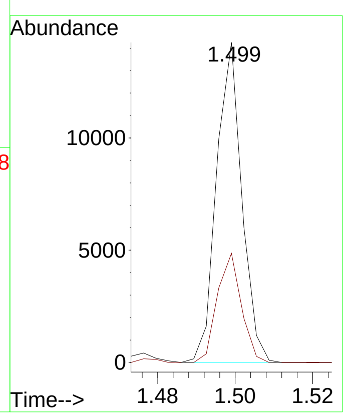


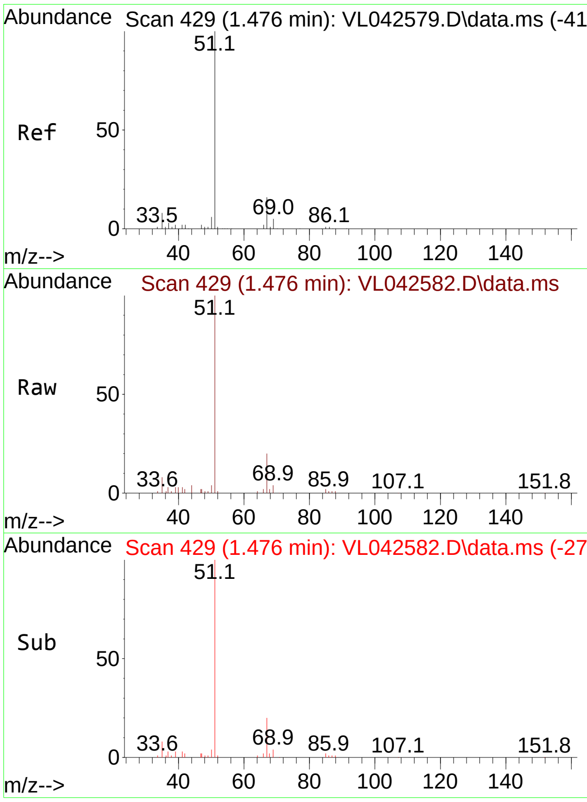


#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 85 Resp: 6470

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.6	39.8





#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 51 Resp: 967

Ion	Ratio	Lower	Upper
51	100		
67	18.4	13.4	20.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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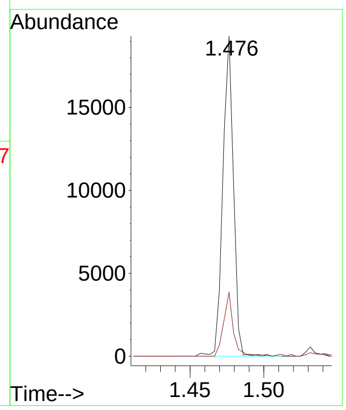
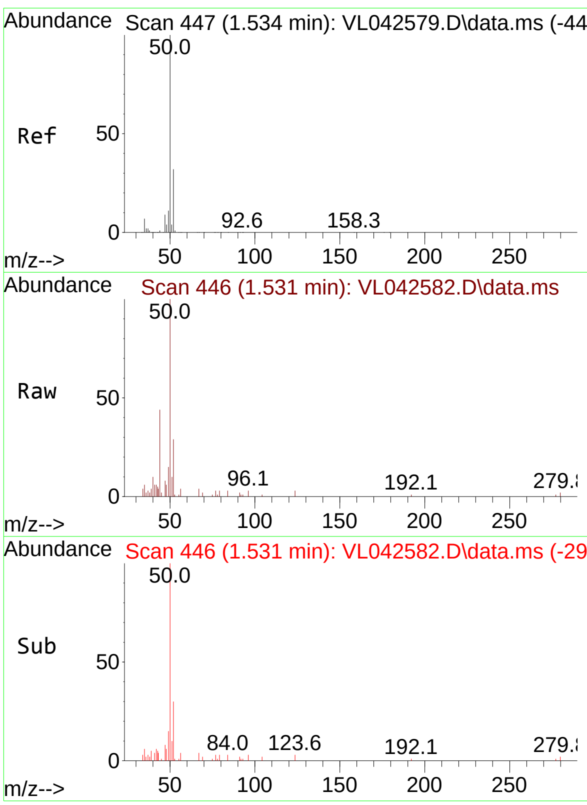
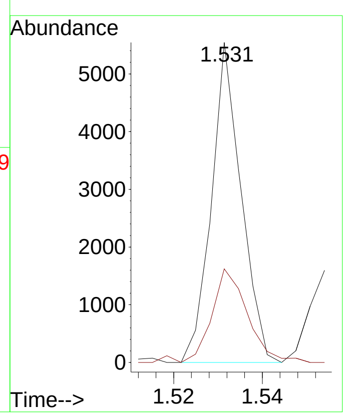


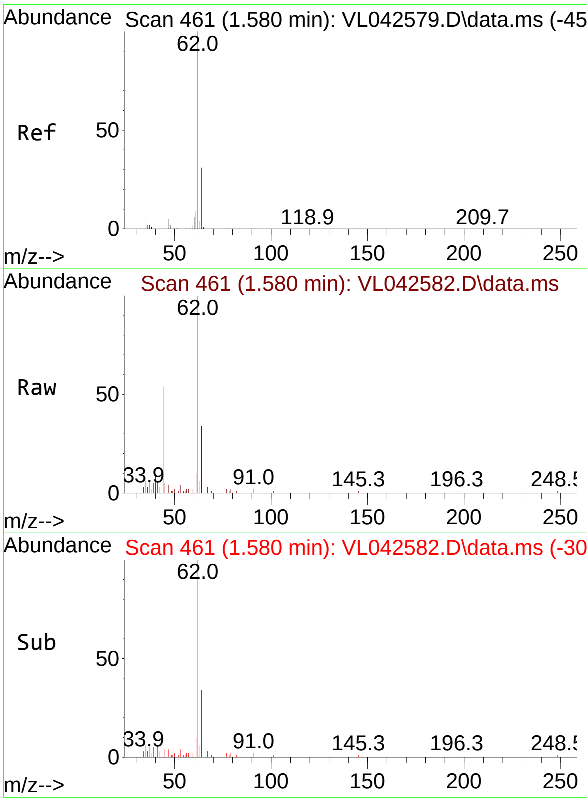


#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 50 Resp: 2584

Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.8	38.6





#5
Vinyl Chloride
Concen: 0.533 ppbv
RT: 1.580 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

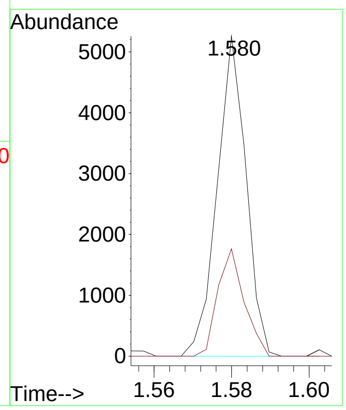
Tgt Ion: 62 Resp: 272

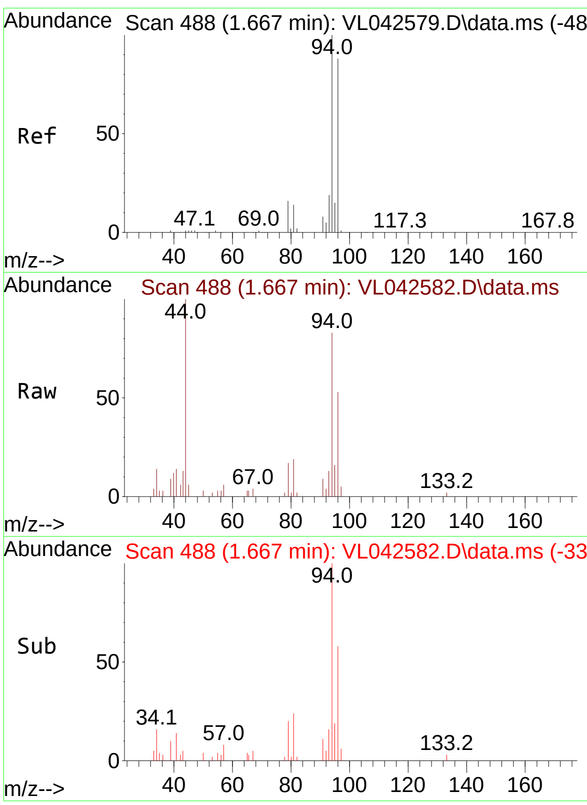
Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.9	37.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

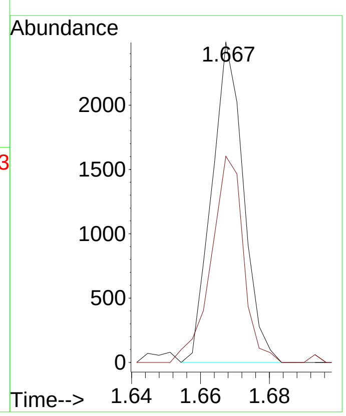


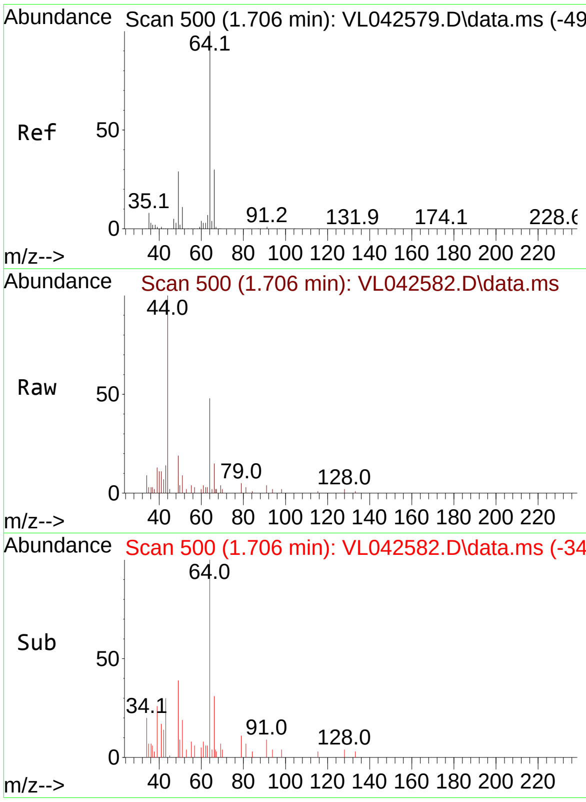


#6
Bromomethane
Concen: 0.642 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 94 Resp: 1594

Ion	Ratio	Lower	Upper
94	100		
96	64.5	70.7	106.1#





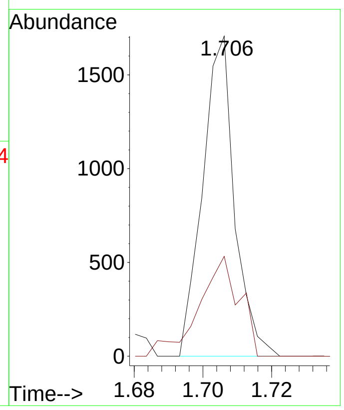
#7
Chloroethane
Concen: 0.554 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

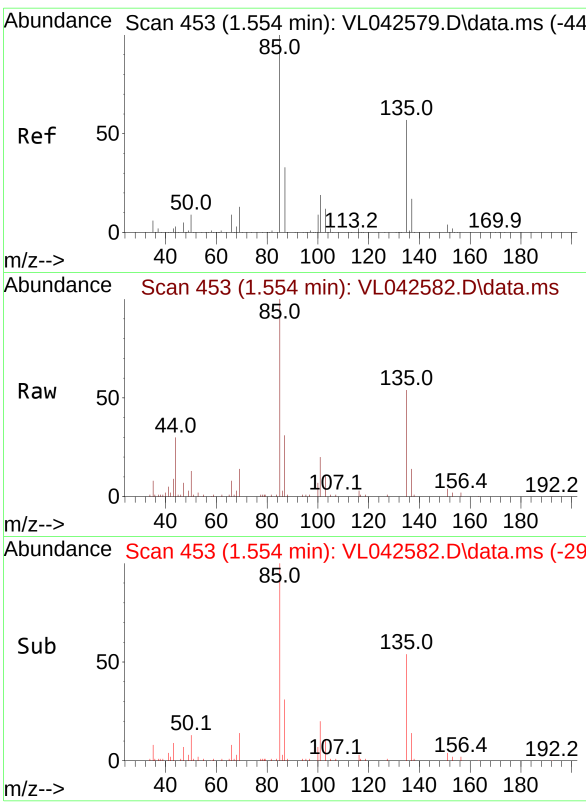
Tgt Ion: 64 Resp: 109

Ion	Ratio	Lower	Upper
64	100		
66	35.6	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

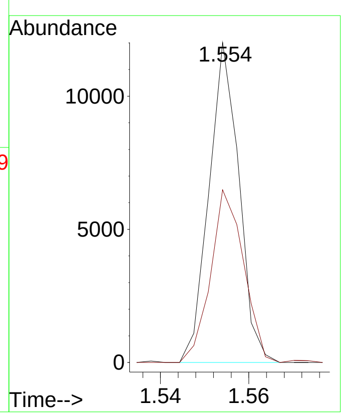


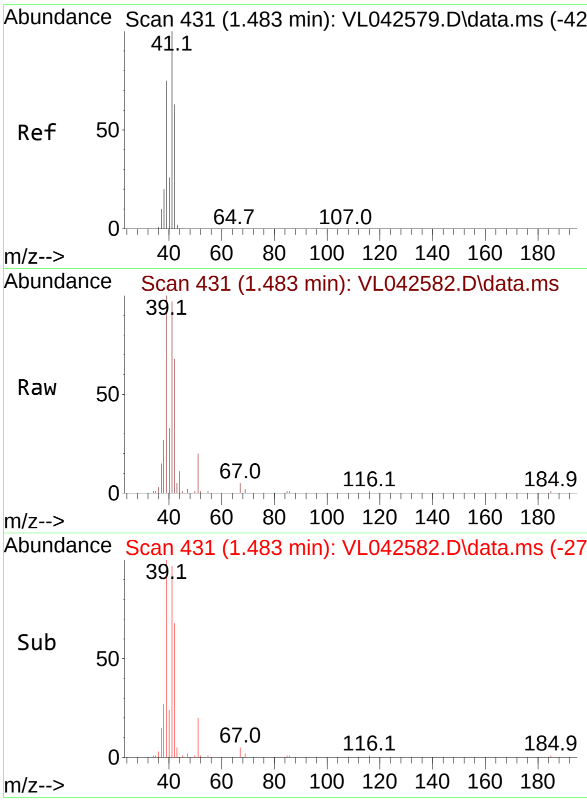


#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 85 Resp: 5655

Ion	Ratio	Lower	Upper
85	100		
135	60.7	50.2	75.4





#9
Propene
Concen: 0.521 ppbv
RT: 1.483 min   Scan# 4
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 41 Resp: 365

Ion	Ratio	Lower	Upper
41	100		
42	77.1	53.3	79.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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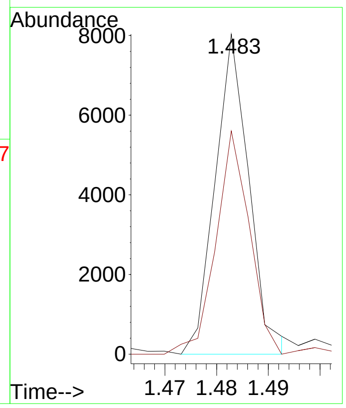
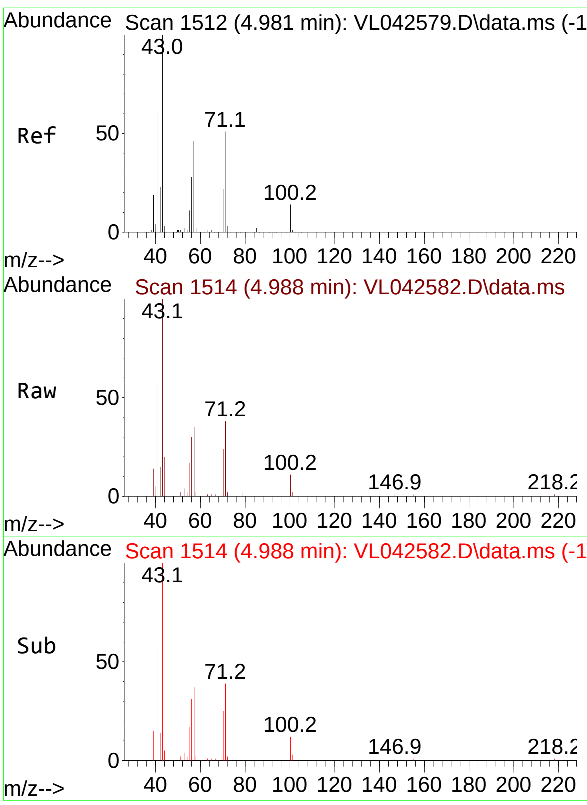
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

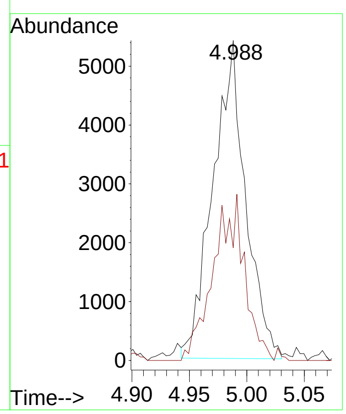


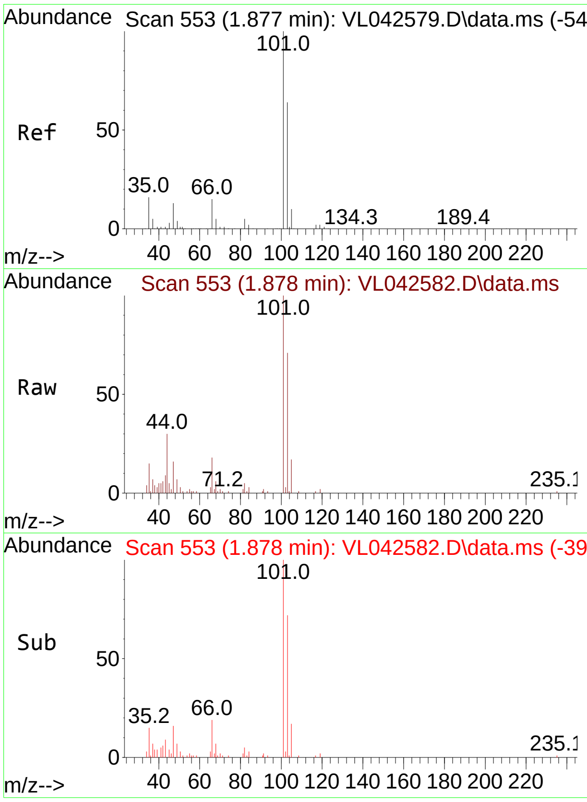


#10
Heptane
Concen: 0.540 ppbv
RT: 4.988 min   Scan# 1514
Delta R.T.   0.007 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 43 Resp: 10697

Ion	Ratio	Lower	Upper
43	100		
57	49.9	38.9	58.3





#11
Trichlorofluoromethane
Concen: 0.522 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:101 Resp: 613

Ion	Ratio	Lower	Upper
101	100		
103	71.5	51.5	77.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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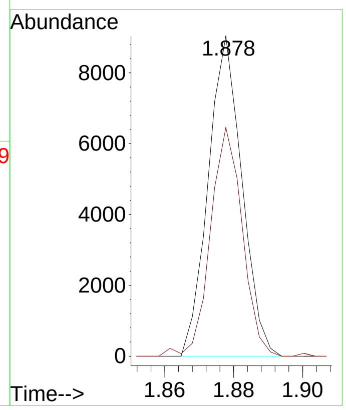
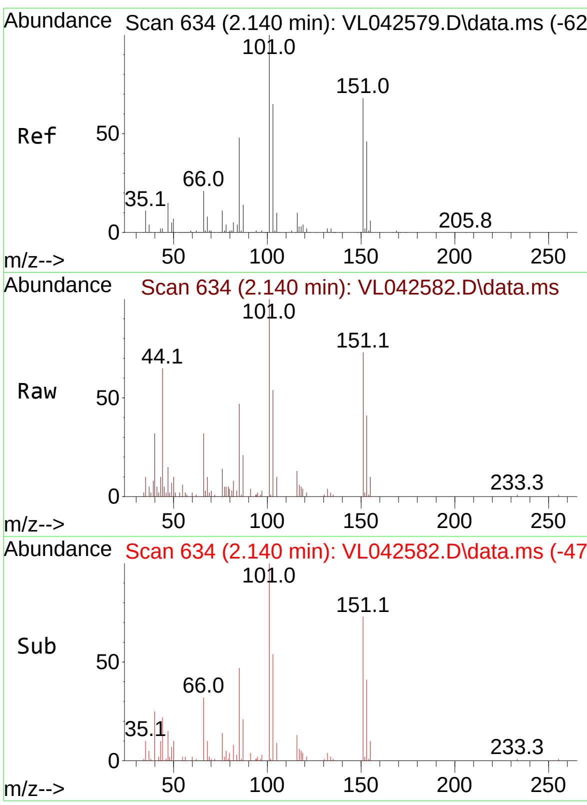
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

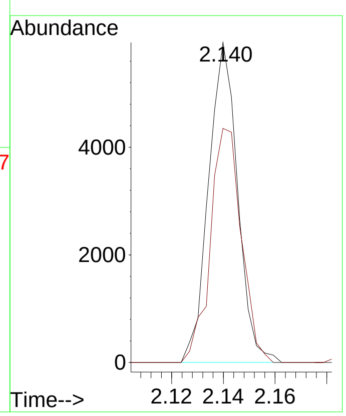


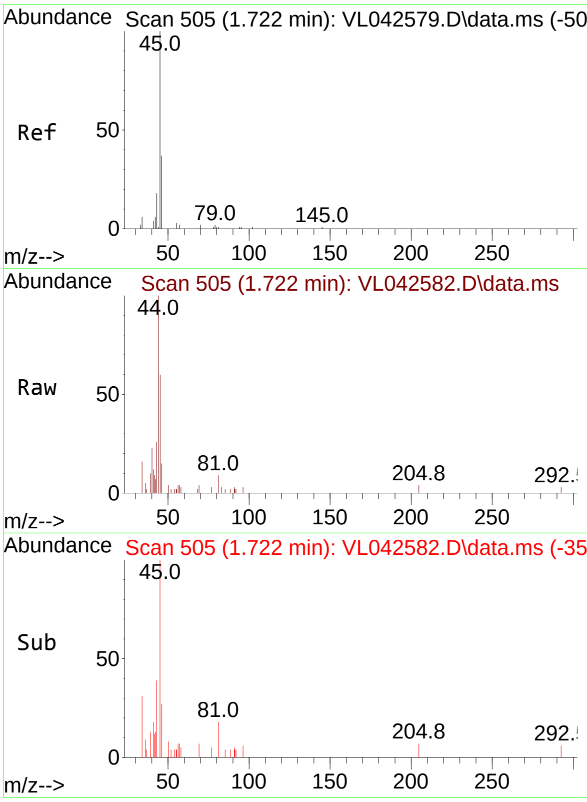


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.503 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:101 Resp: 4647

Ion	Ratio	Lower	Upper
101	100		
151	78.2	55.3	82.9





#13
Ethanol
Concen: 0.748 ppbv m
RT: 1.722 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 45 Resp: 58(

Ion	Ratio	Lower	Upper
45	100		
46	45.6	14.5	58.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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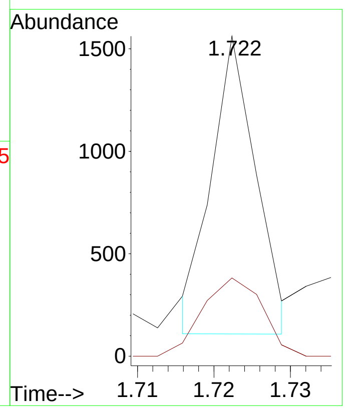
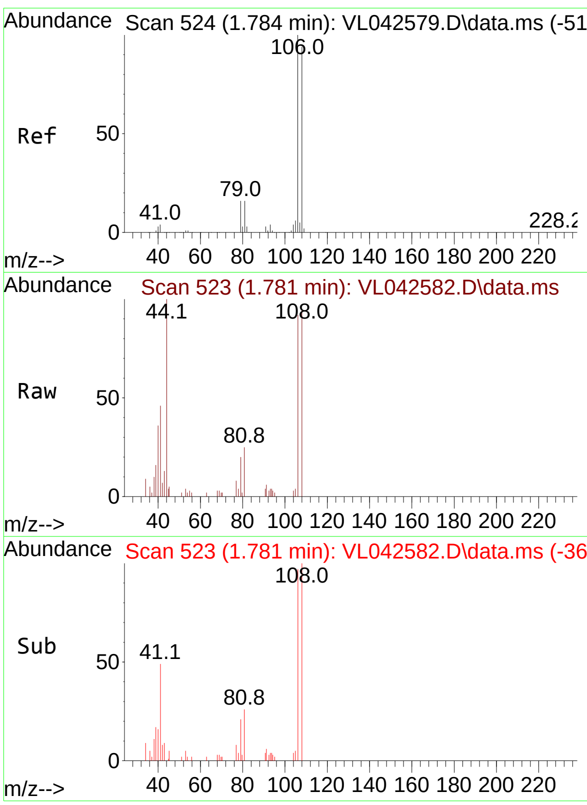
Supervised By :Mahesh Dadoda 05/30/2025

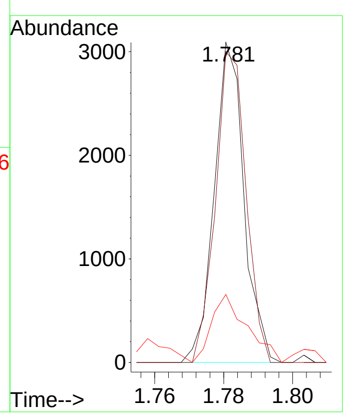


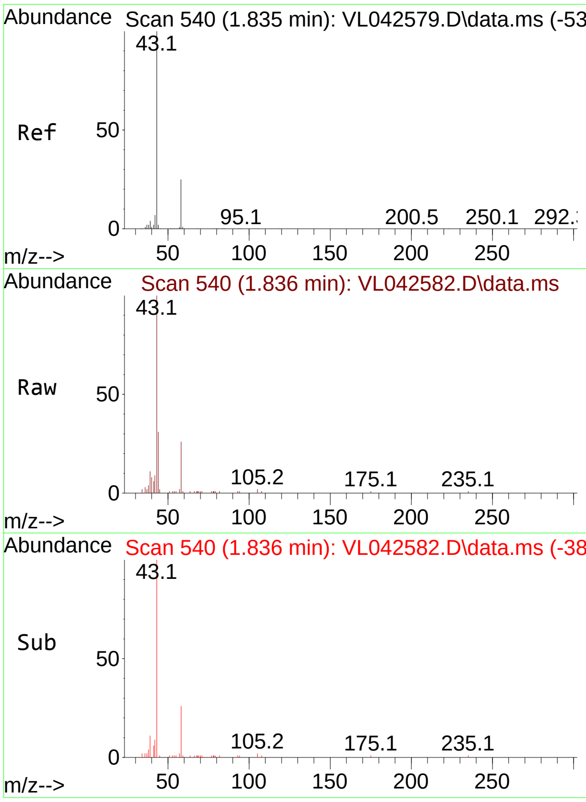


#14
Bromoethene
Concen: 0.532 ppbv
RT: 1.781 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:108 Resp: 1849

Ion	Ratio	Lower	Upper
108	100		
106	99.9	87.9	131.9
79	44.5	15.6	23.4#





#15
Acetone
Concen: 0.583 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 722

Ion	Ratio	Lower	Upper
43	100		
58	29.0	21.0	31.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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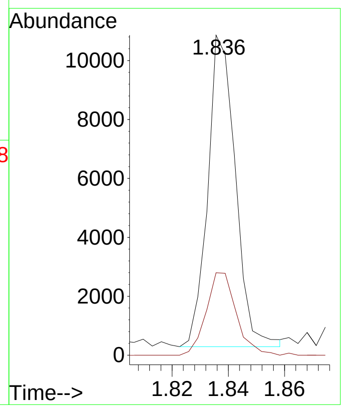
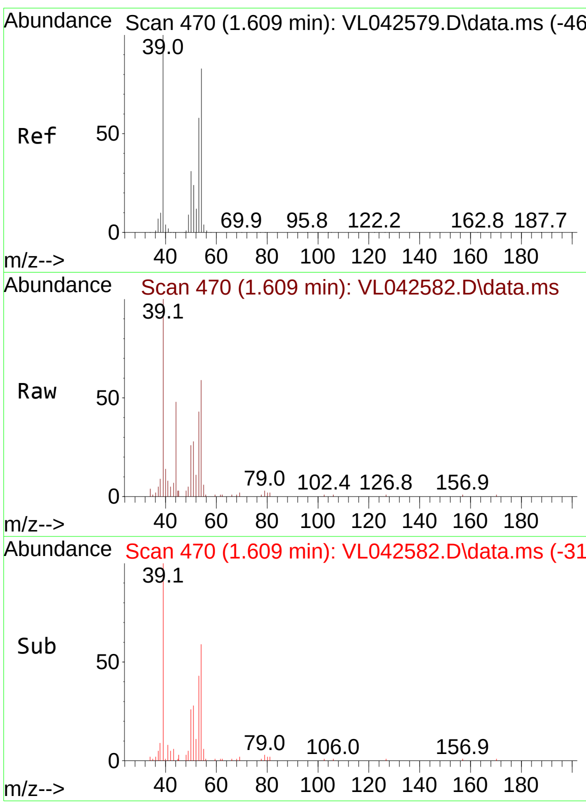
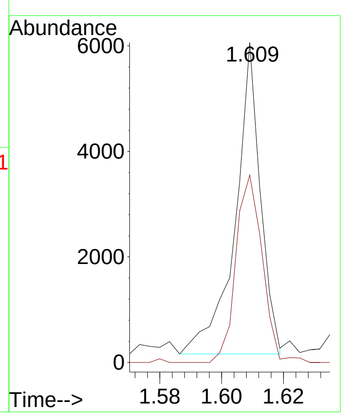


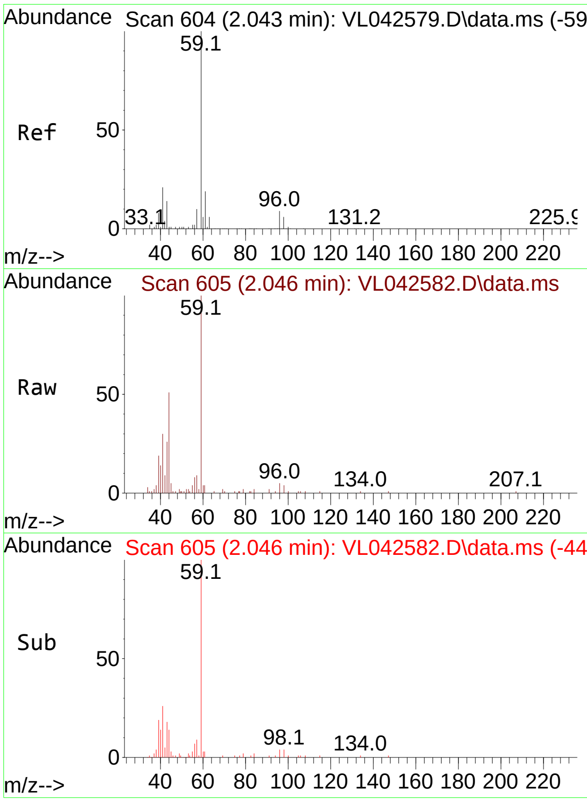


#16
1,3-Butadiene
Concen: 0.569 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 39 Resp: 3340

Ion	Ratio	Lower	Upper
39	100		
54	63.2	57.9	86.9





#17
tert-Butyl alcohol
Concen: 0.533 ppbv
RT: 2.046 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 59 Resp: 687

Ion	Ratio	Lower	Upper
59	100		
57	13.6	8.6	12.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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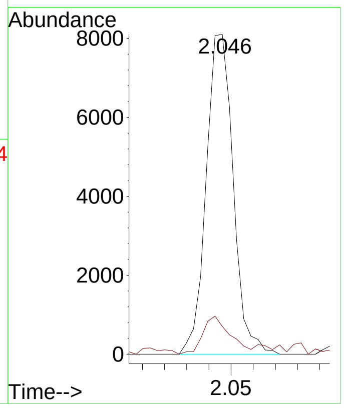
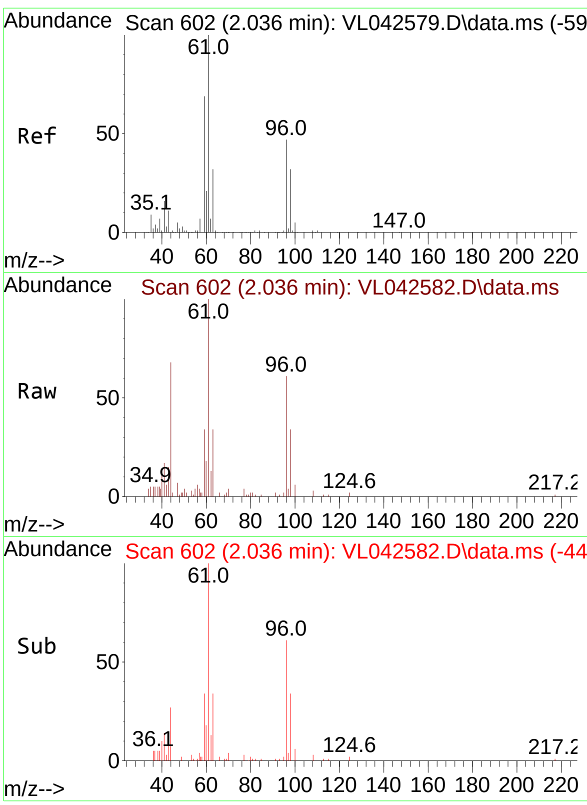
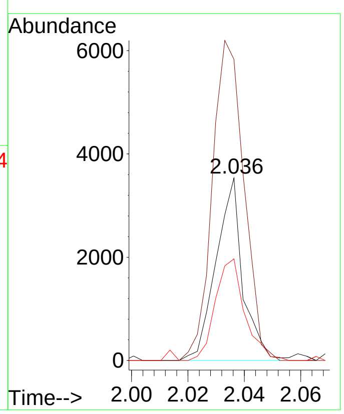


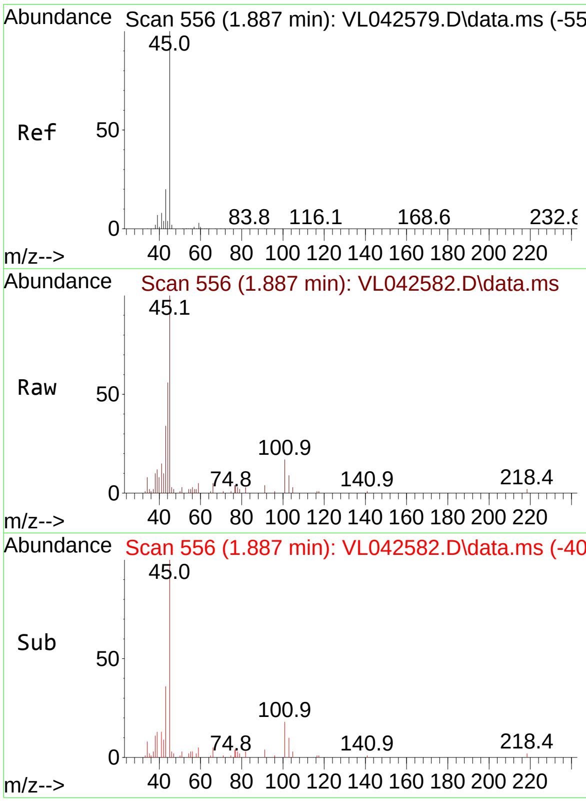


#18
1,1-Dichloroethene
Concen: 0.539 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 96 Resp: 2319

Ion	Ratio	Lower	Upper
96	100		
61	165.1	171.1	256.7#
98	55.7	54.4	81.6





#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 45 Resp: 424

Ion	Ratio	Lower	Upper
45	100		
58	3.4	29.4	44.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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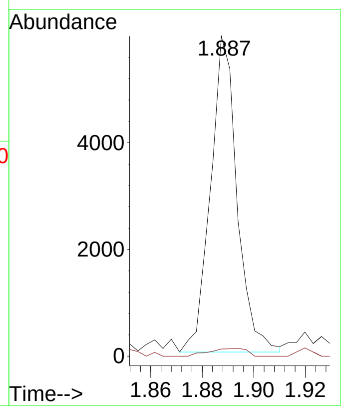
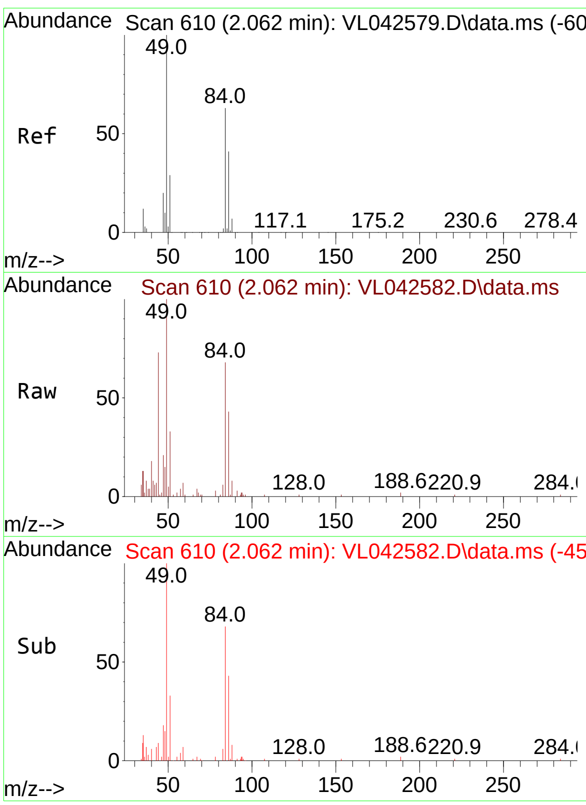
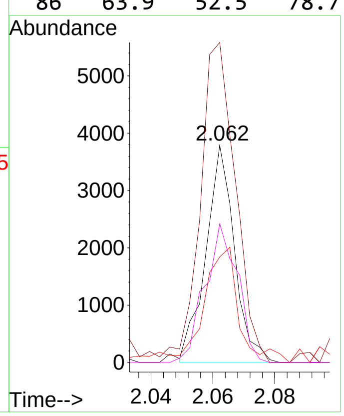


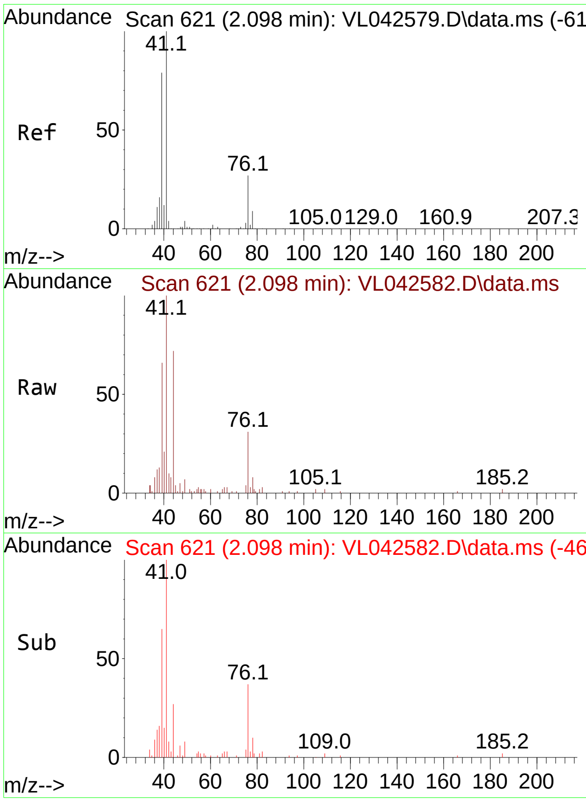


#20
Methylene Chloride
Concen: 0.595 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 84 Resp: 2435

Ion	Ratio	Lower	Upper
84	100		
49	147.4	128.8	193.2
51	45.2	38.6	57.8
86	63.9	52.5	78.7

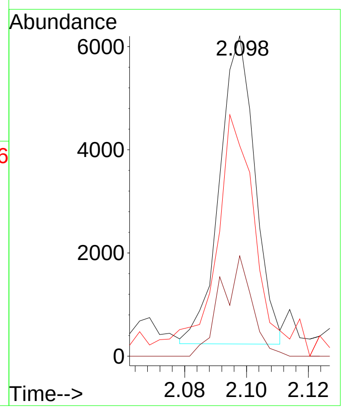




#21
Allyl Chloride
Concen: 0.544 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 41 Resp: 475

Ion	Ratio	Lower	Upper
41	100		
76	28.5	21.2	31.8
39	79.5	60.9	91.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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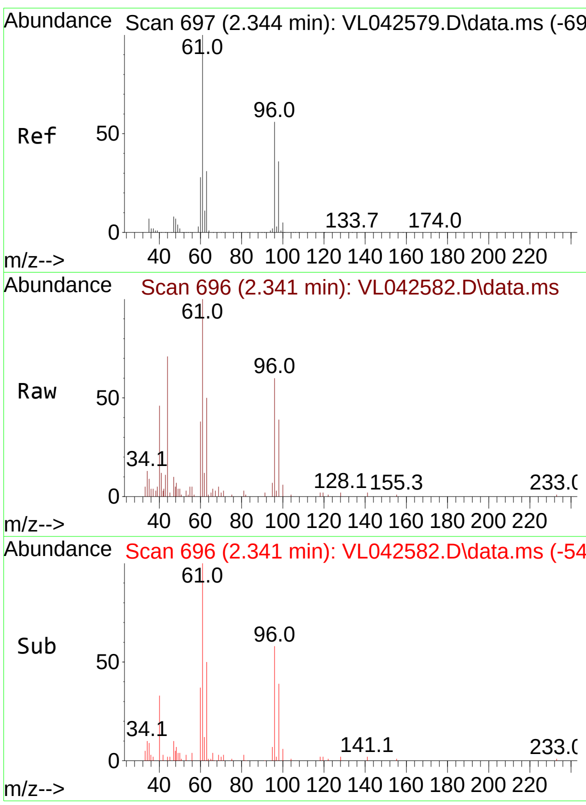
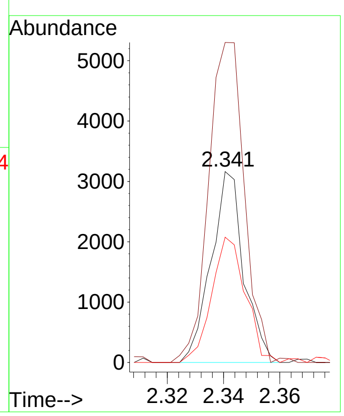
Supervised By :Mahesh Dadoda 05/30/2025

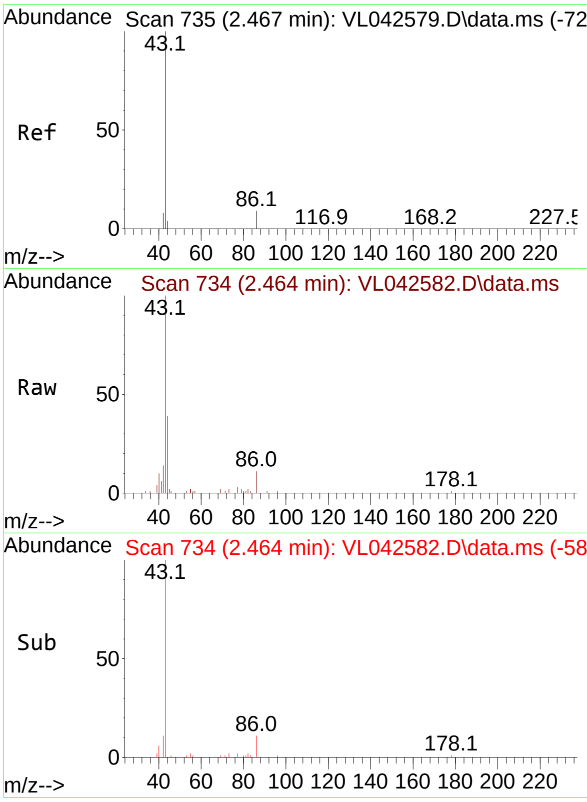


#22
trans-1,2-Dichloroethene
Concen: 0.532 ppbv
RT: 2.341 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 96 Resp: 2553

Ion	Ratio	Lower	Upper
96	100		
61	165.3	142.6	214.0
98	65.6	51.0	76.4





#23
Vinyl Acetate
Concen: 0.537 ppbv
RT: 2.464 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 900

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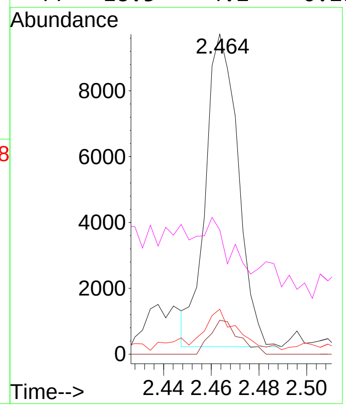
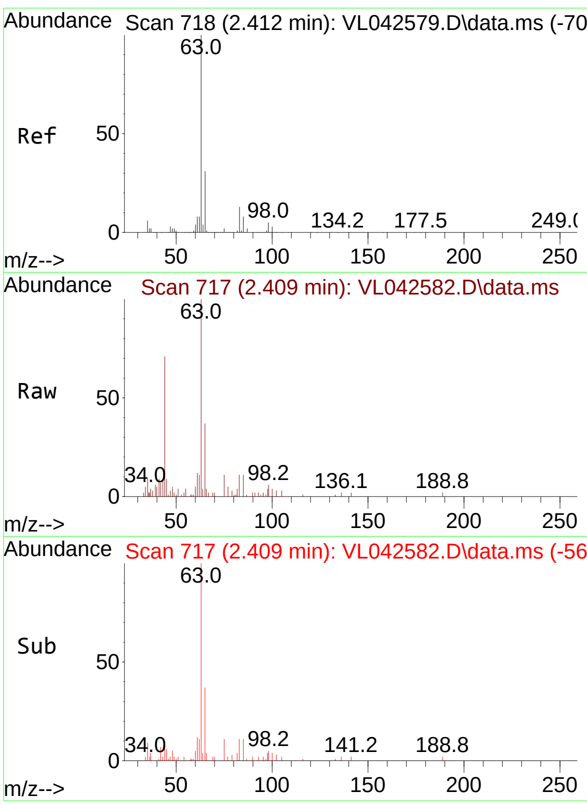
Ion	Ratio	Lower	Upper
43	100		
86	10.9	6.6	9.8#
42	10.6	7.0	10.4#
44	18.3	4.2	6.2#

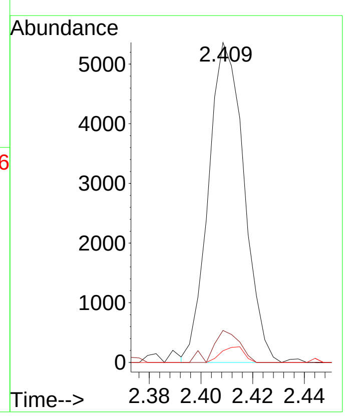


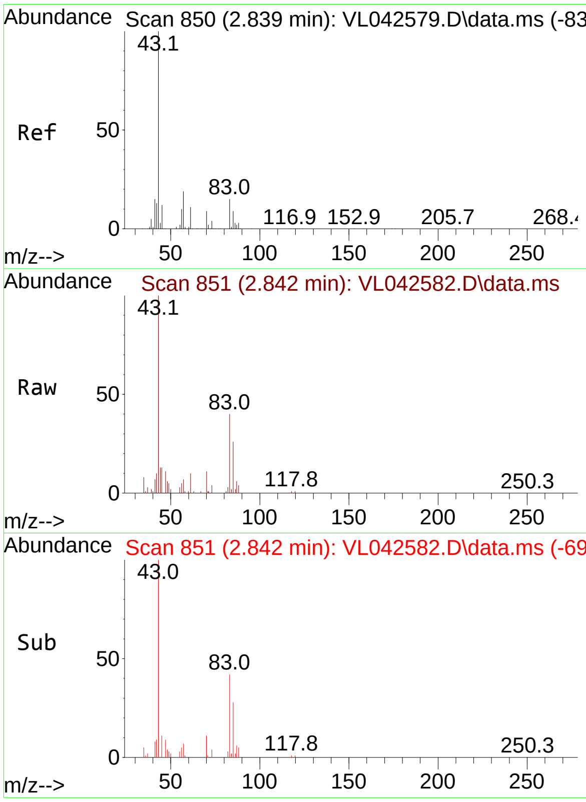


#24
1,1-Dichloroethane
Concen: 0.521 ppbv
RT: 2.409 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 63 Resp: 5127

Ion	Ratio	Lower	Upper
63	100		
98	10.0	2.4	7.1#
100	3.7	1.4	4.0

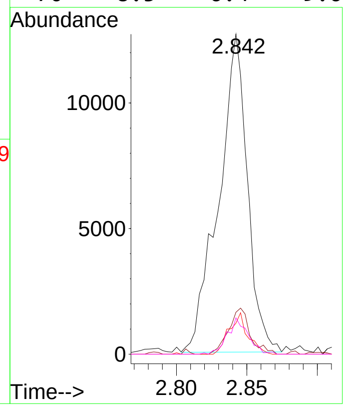




#25
Ethyl Acetate
Concen: 0.530 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 1799

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.2	12.2
61	8.5	7.1	10.7
70	8.3	6.4	9.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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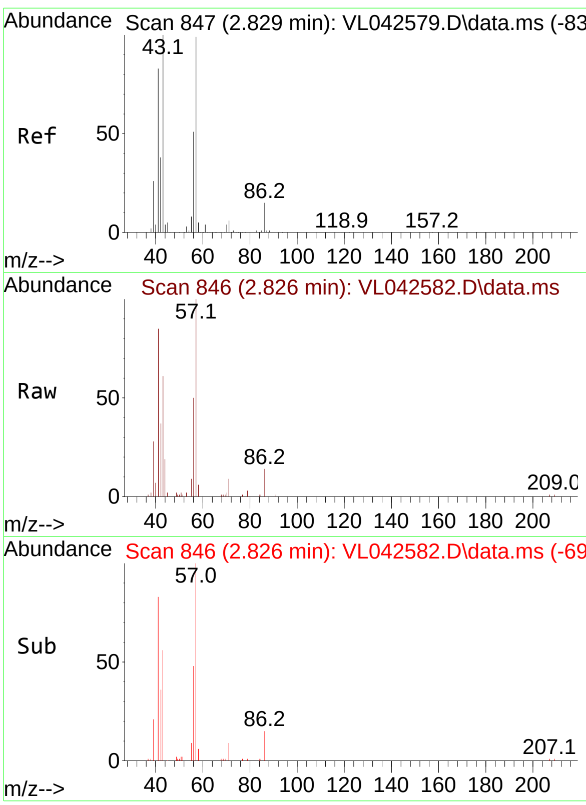
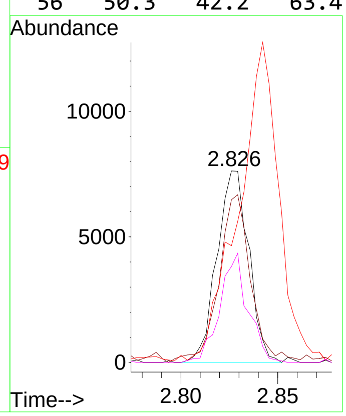
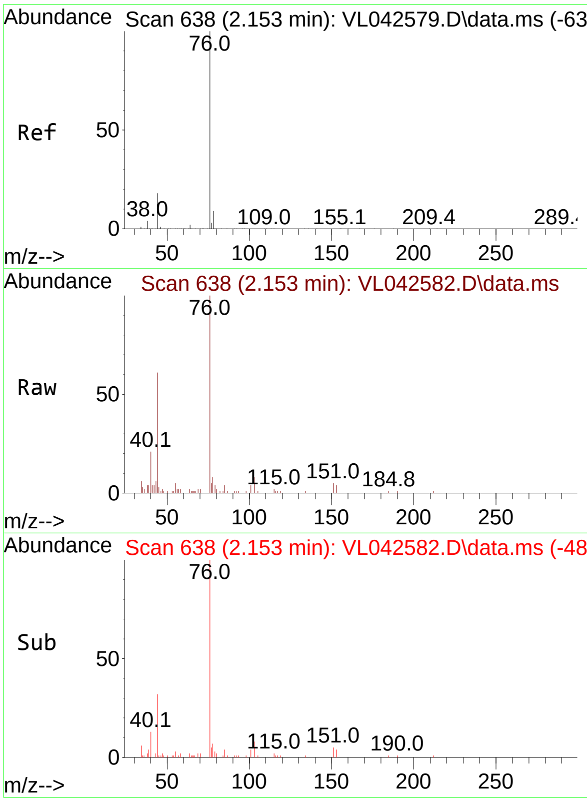


#26
Hexane
Concen: 0.564 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 57 Resp: 8694

Ion	Ratio	Lower	Upper
57	100		
41	89.3	70.6	106.0
43	218.8	181.1	271.7
56	50.3	42.2	63.4





#27
Carbon Disulfide
Concen: 0.511 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 76 Resp: 604

Ion	Ratio	Lower	Upper
76	100		
44	169.1	21.3	31.9#
78	15.4	9.4	14.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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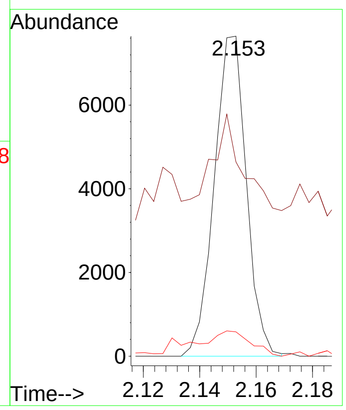
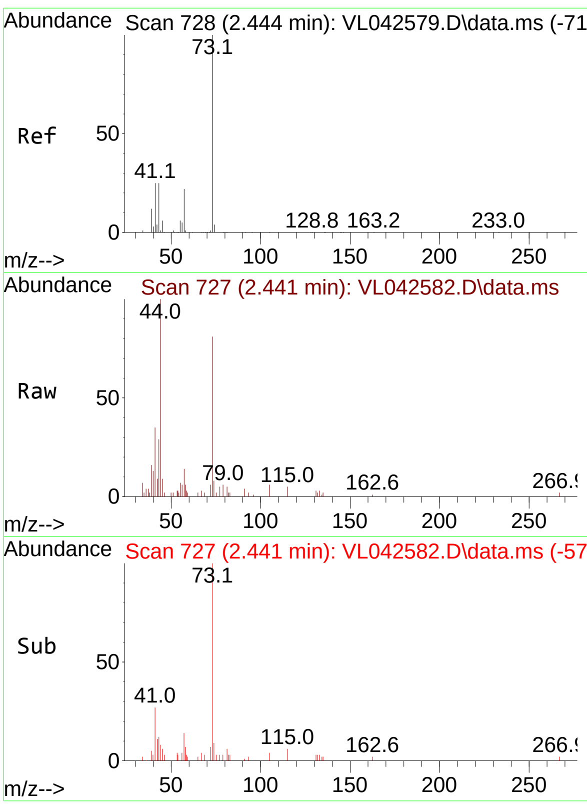
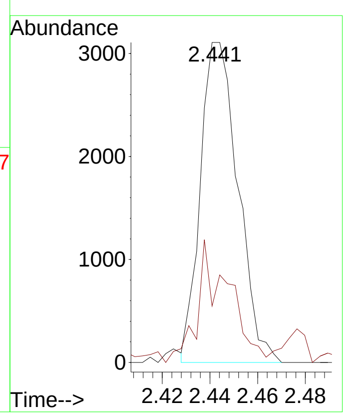


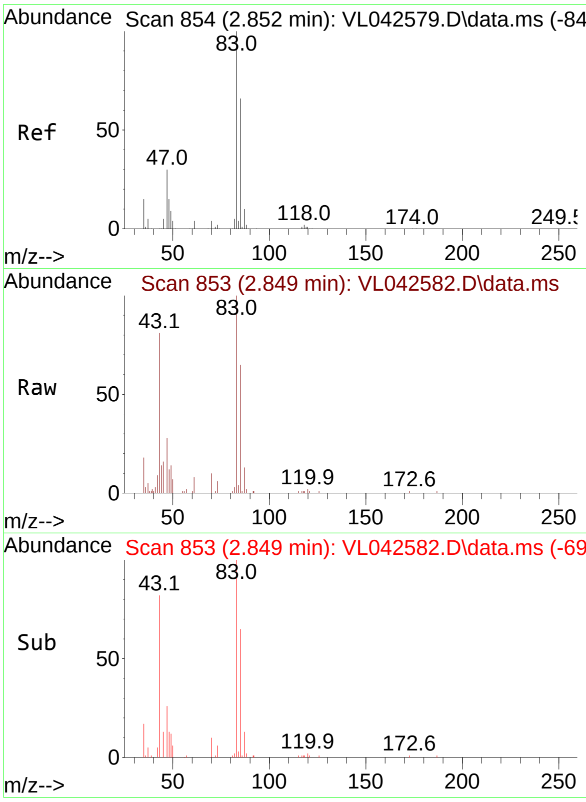


#28
Methyl tert-Butyl Ether
Concen: 0.546 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 73 Resp: 3416

Ion	Ratio	Lower	Upper
73	100		
57	34.3	19.9	29.9#





#29
Chloroform
Concen: 0.539 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 83 Resp: 1079

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.8	79.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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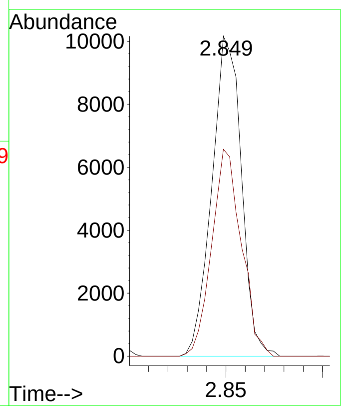
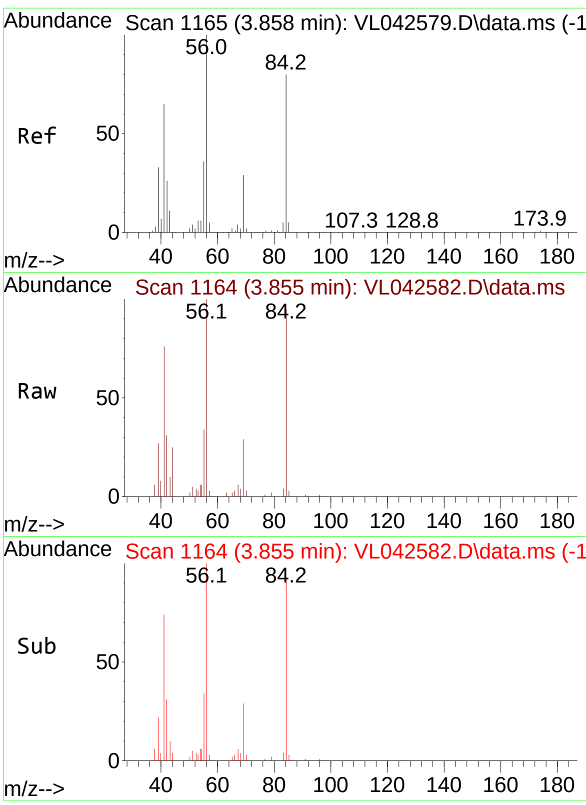
Supervised By :Mahesh Dadoda 05/30/2025

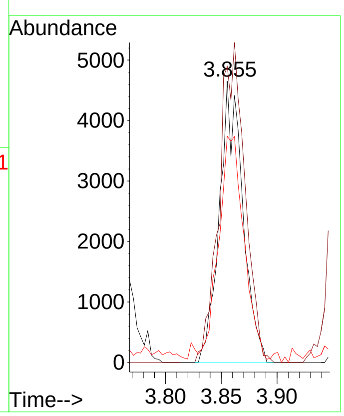


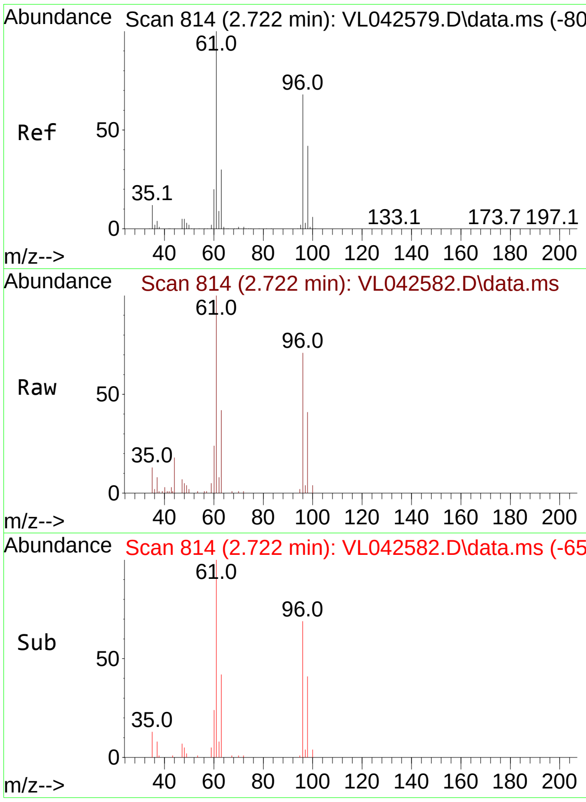


#30
Cyclohexane
Concen: 0.531 ppbv m
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 84 Resp: 6784

Ion	Ratio	Lower	Upper
84	100		
56	124.9	103.7	155.5
41	0.0	65.1	97.7#





#31
cis-1,2-Dichloroethene
Concen: 0.518 ppbv
RT: 2.722 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 730

Ion	Ratio	Lower	Upper
61	100		
96	70.9	54.5	81.7
98	40.5	33.4	50.2

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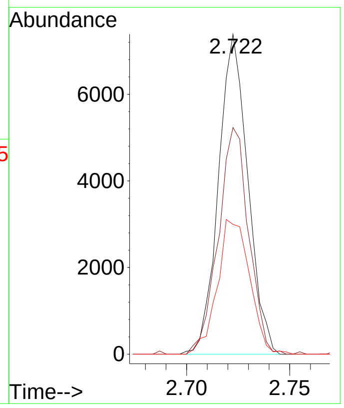
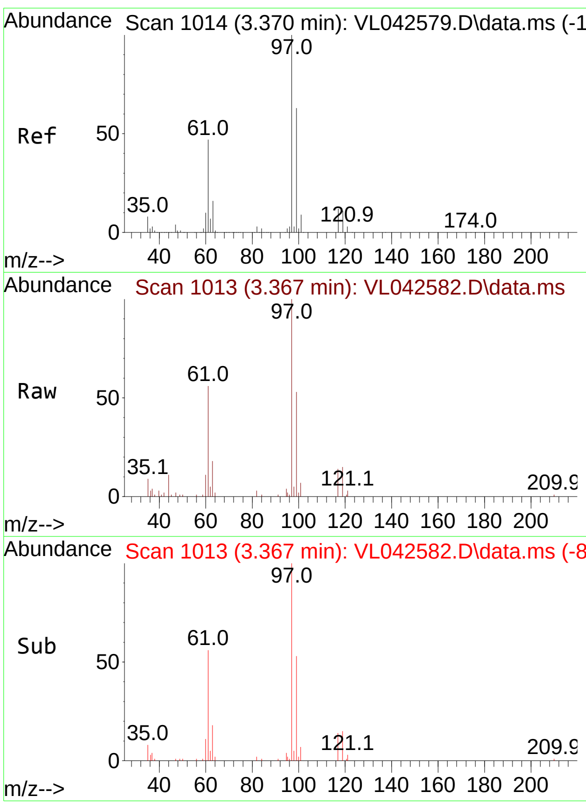
Supervised By :Mahesh Dadoda 05/30/2025

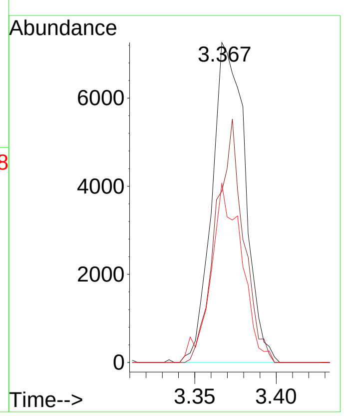


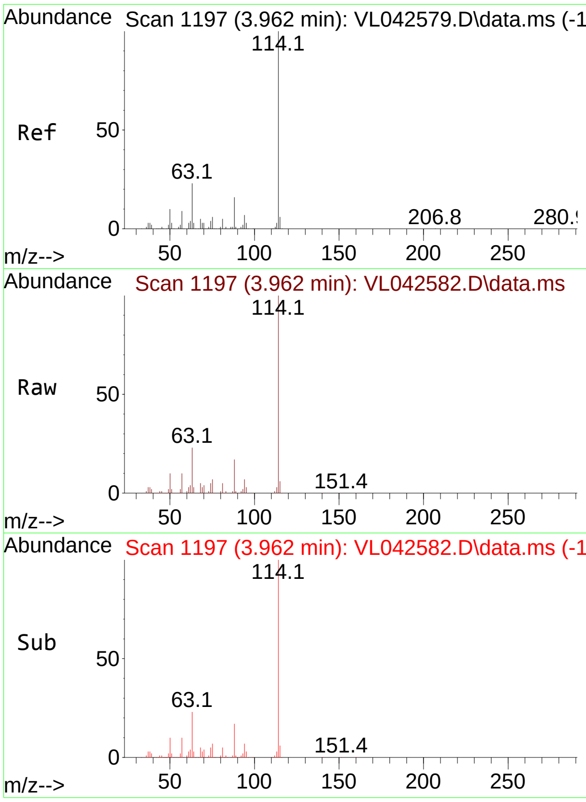


#32
1,1,1-Trichloroethane
Concen: 0.513 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 97 Resp: 10309

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	52.1	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 30461

Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.0	28.6
88	17.1	13.6	20.4

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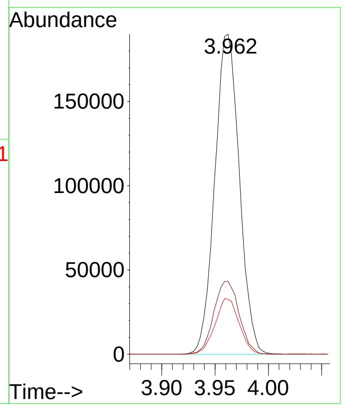
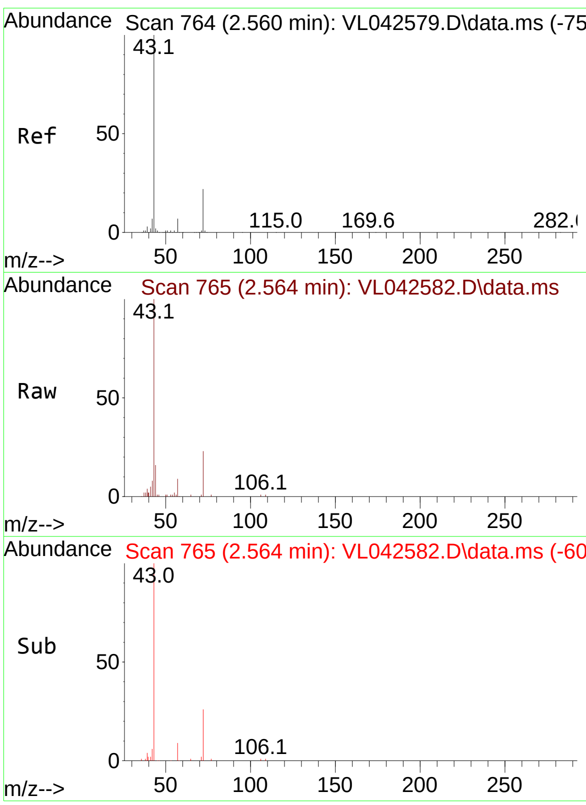
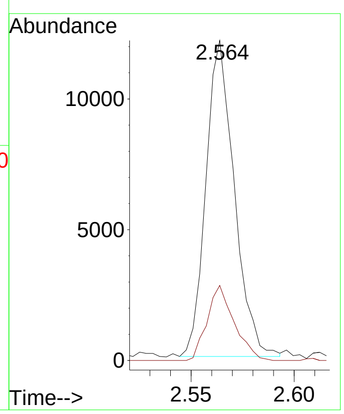


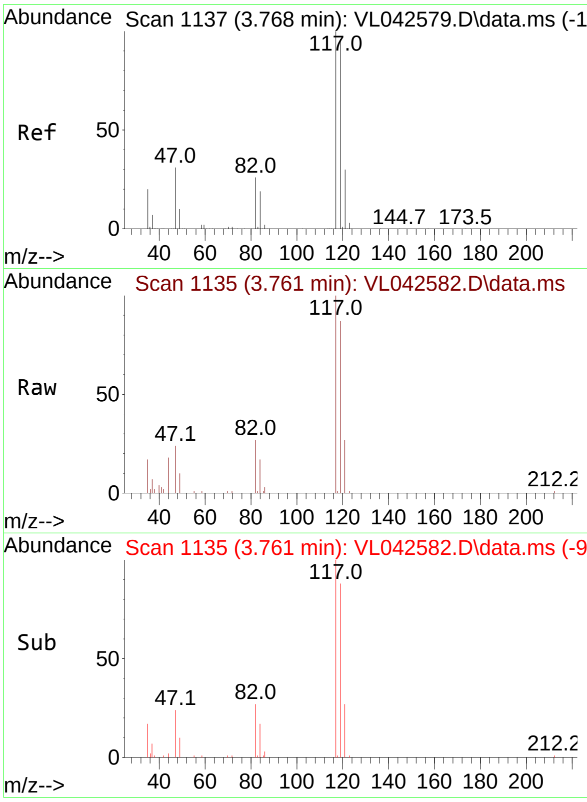


#34
2-Butanone
Concen: 0.533 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 11569

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5





#35
Carbon Tetrachloride
Concen: 0.503 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:117 Resp: 1012

Ion	Ratio	Lower	Upper
117	100		
119	87.4	76.8	115.2
121	27.2	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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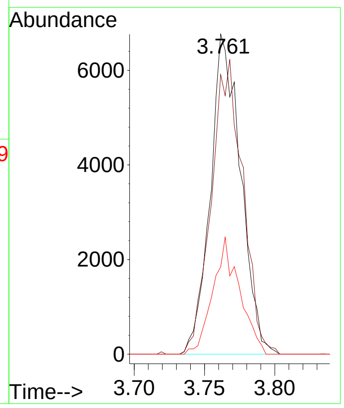
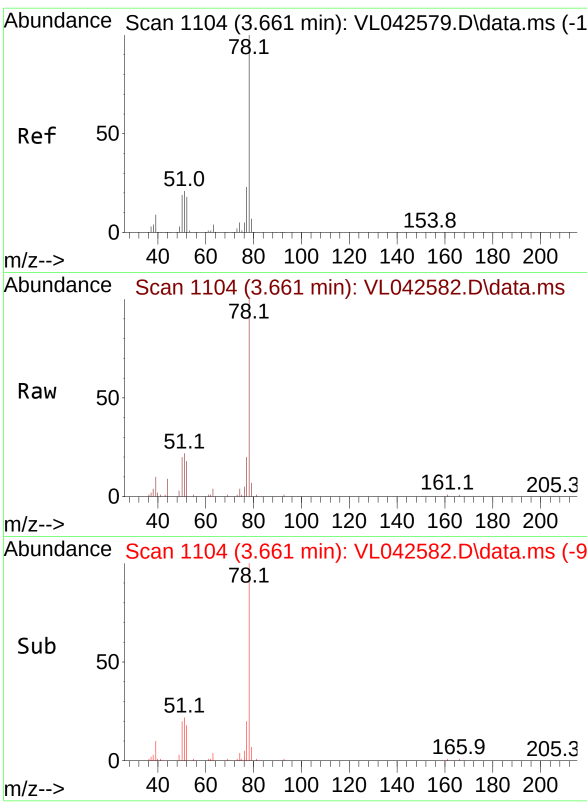
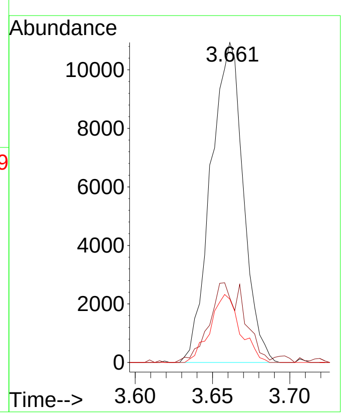


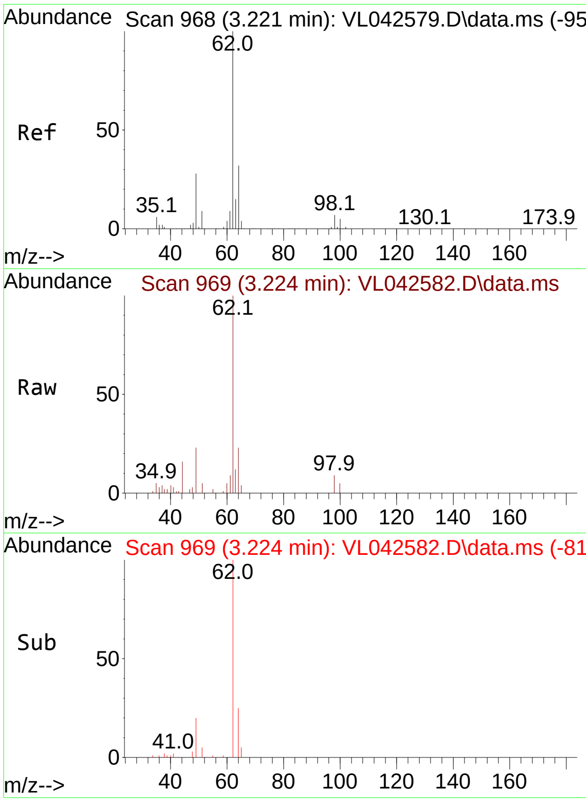


#36
Benzene
Concen: 0.533 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 78 Resp: 16000

Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.2	27.2
50	19.8	15.2	22.8





#37
1,2-Dichloroethane
Concen: 0.529 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 788

Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.1	9.1

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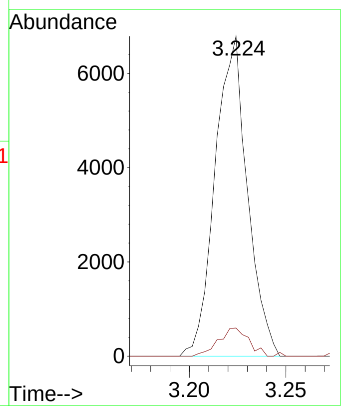
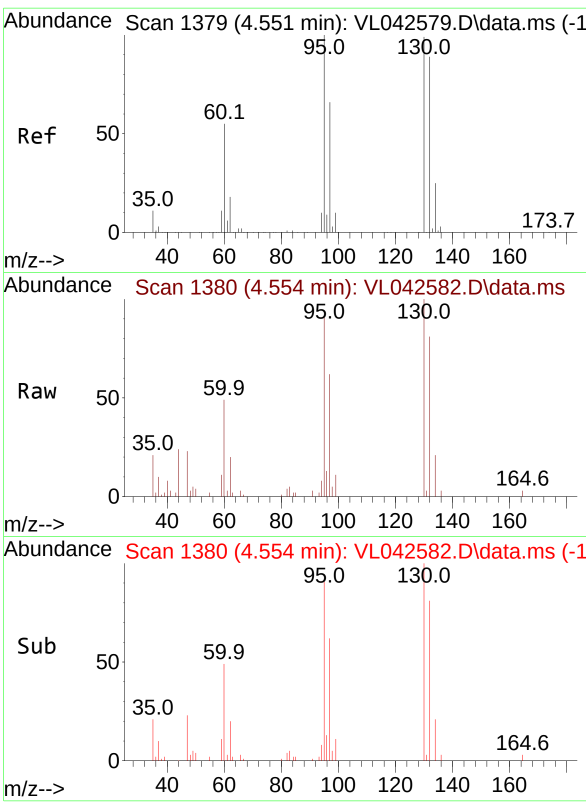
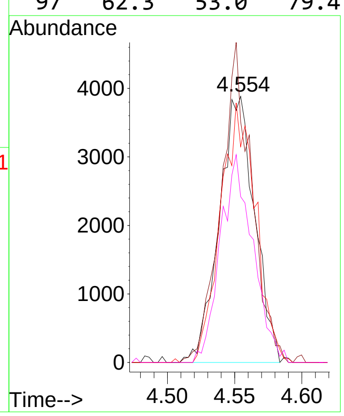


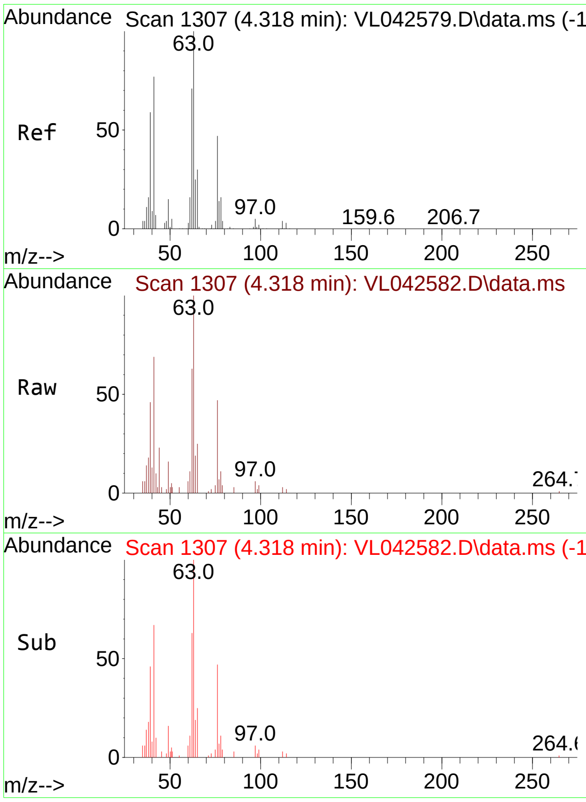


#38
Trichloroethene
Concen: 0.555 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:130 Resp: 7126

Ion	Ratio	Lower	Upper
130	100		
95	90.6	80.6	121.0
132	81.1	71.8	107.6
97	62.3	53.0	79.4





#39
1,2-Dichloropropane
Concen: 0.570 ppbv m
RT: 4.318 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 631

Ion	Ratio	Lower	Upper
63	100		
41	69.2	61.8	92.6
62	63.0	56.6	85.0

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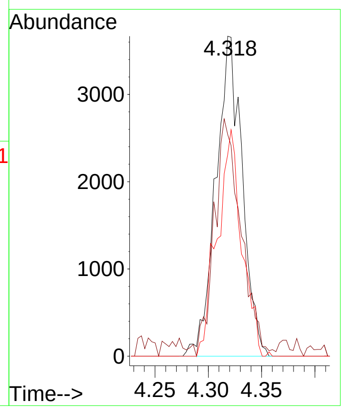
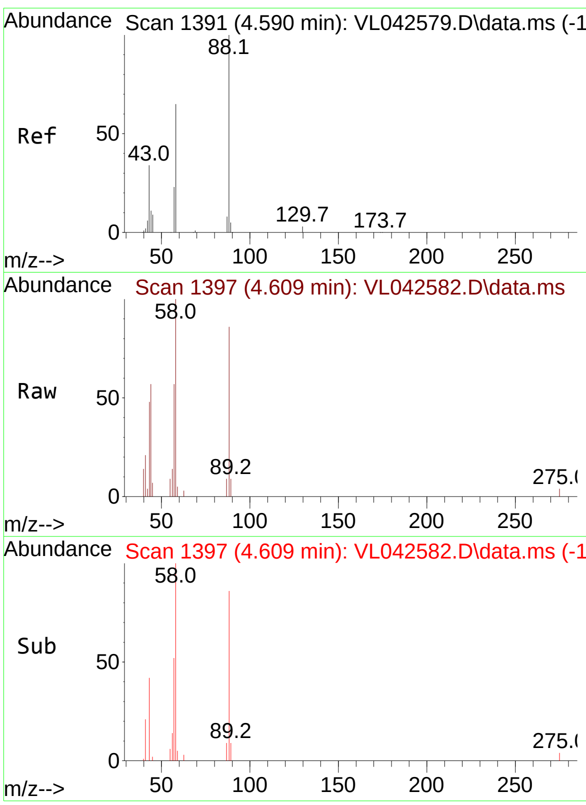
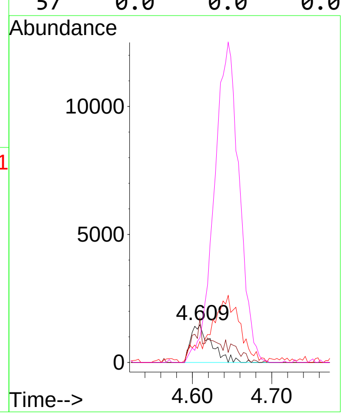


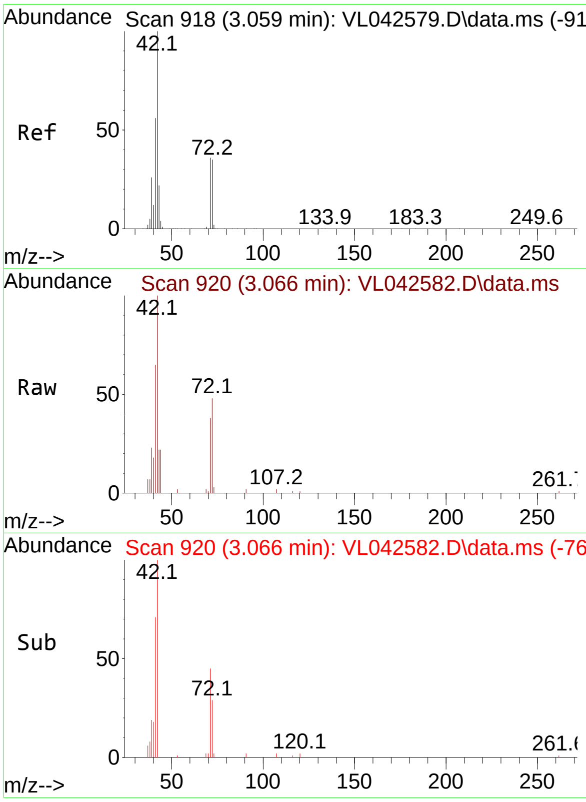


#40
1,4-Dioxane
Concen: 0.555 ppbv m
RT: 4.609 min Scan# 1397
Delta R.T. 0.020 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 88 Resp: 2618

Ion	Ratio	Lower	Upper
88	100		
58	131.2	55.8	83.8#
43	15.4	24.8	37.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.533 ppbv
RT: 3.066 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 42 Resp: 6775

Ion	Ratio	Lower	Upper
42	100		
72	40.4	28.9	43.3
71	36.2	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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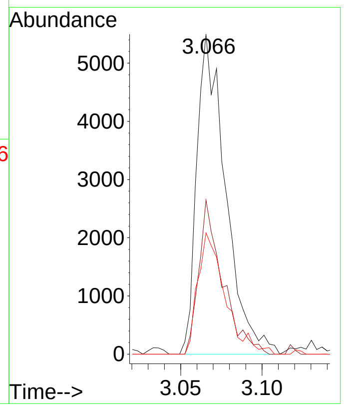
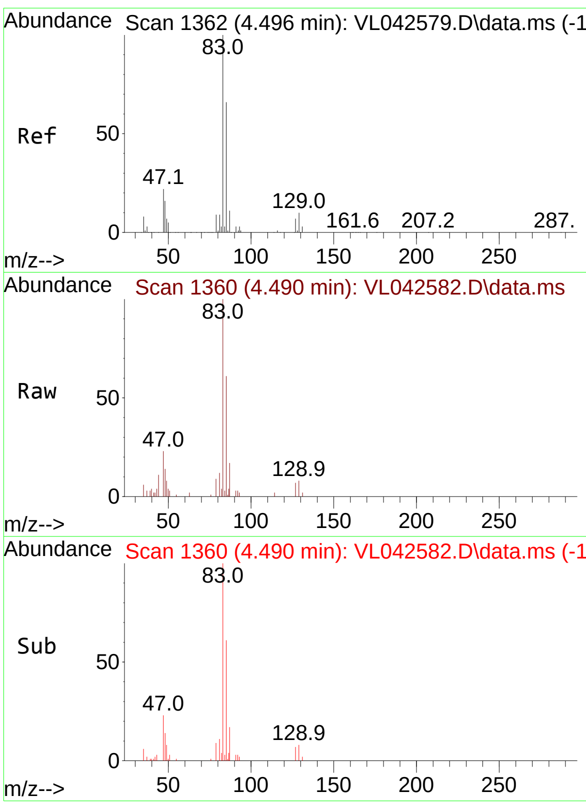
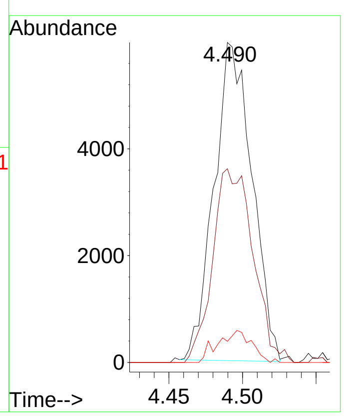


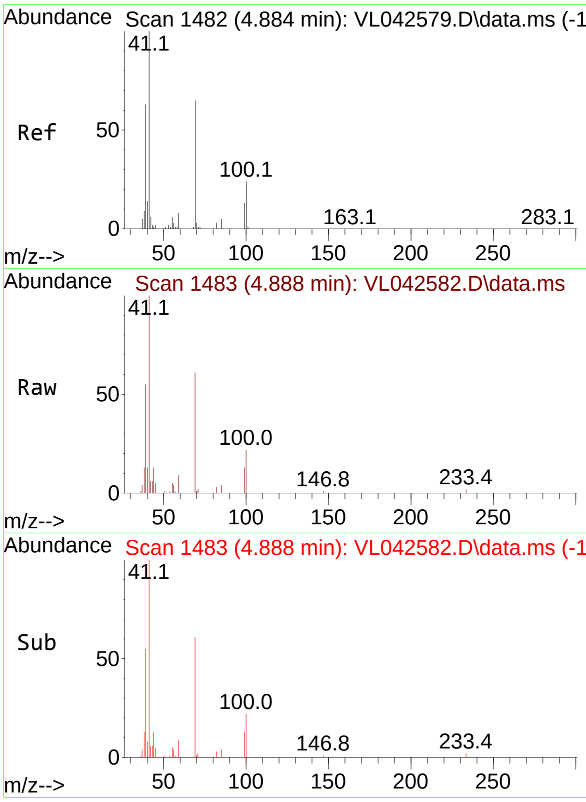


#42
Bromodichloromethane
Concen: 0.505 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 83 Resp: 10688

Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.7	79.1
127	6.6	5.8	8.6





#43
Methyl Methacrylate
Concen: 0.521 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 69 Resp: 605(

Ion	Ratio	Lower	Upper
69	100		
41	160.5	124.6	187.0
100	42.4	29.9	44.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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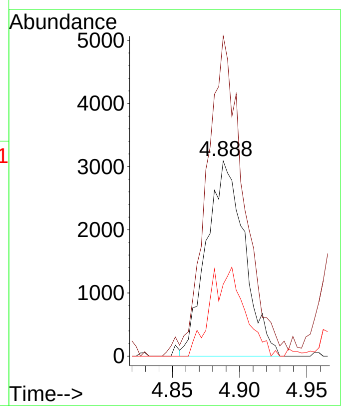
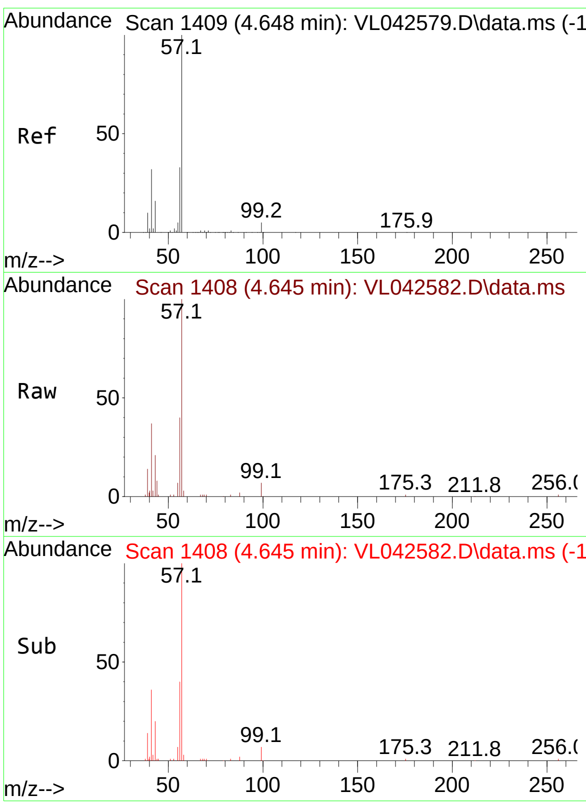
Supervised By :Mahesh Dadoda 05/30/2025

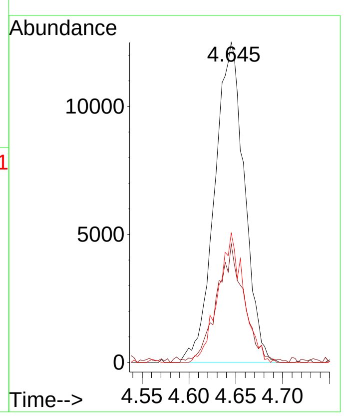


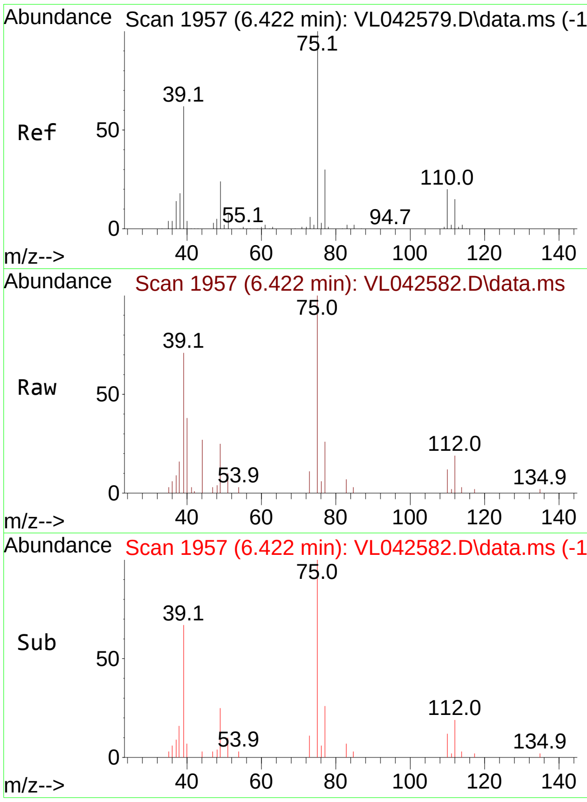


#44
2,2,4-Trimethylpentane
Concen: 0.538 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 57 Resp: 27584

Ion	Ratio	Lower	Upper
57	100		
41	34.8	26.1	39.1
56	35.2	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 0.495 ppbv
RT: 6.422 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 75 Resp: 6598

Ion	Ratio	Lower	Upper
75	100		
77	26.1	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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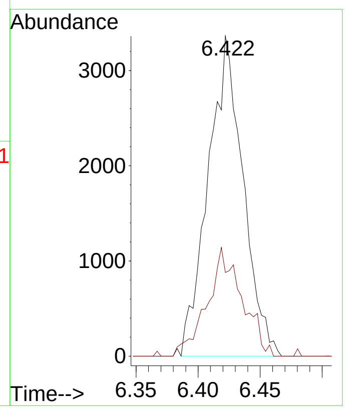
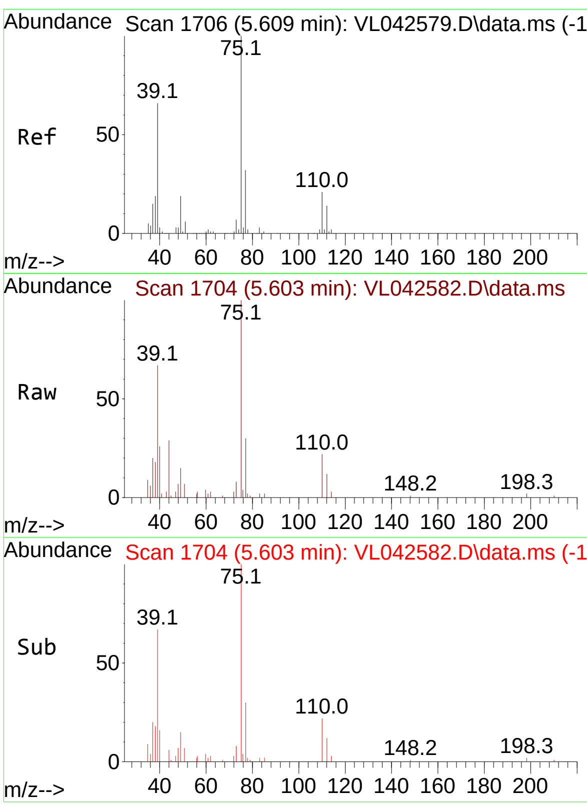
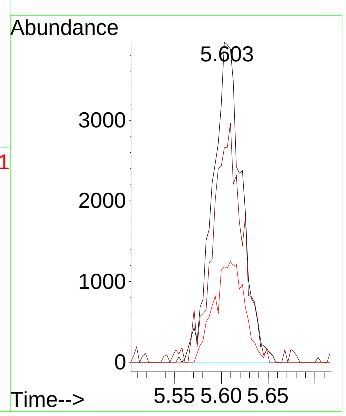


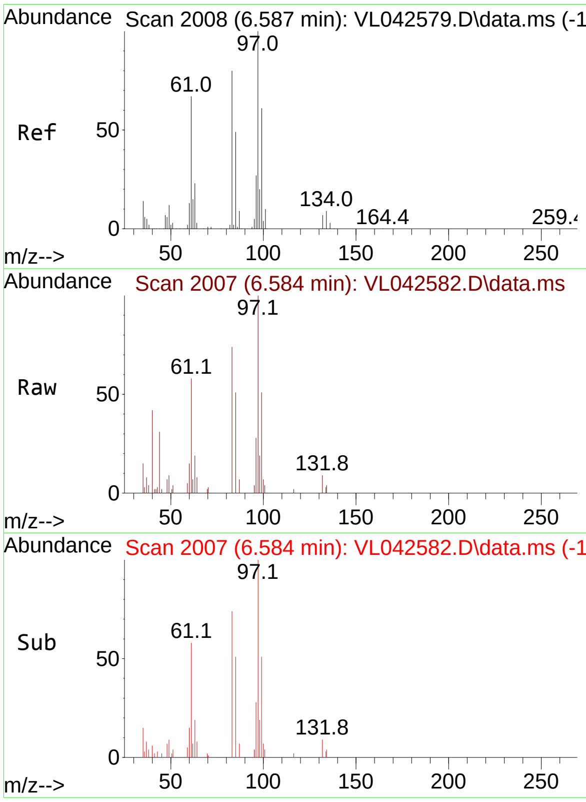


#46
cis-1,3-Dichloropropene
Concen: 0.518 ppbv m
RT: 5.603 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 75 Resp: 8637

Ion	Ratio	Lower	Upper
75	100		
39	67.0	52.7	79.1
77	29.8	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 0.539 ppbv m
RT: 6.584 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 618

Ion	Ratio	Lower	Upper
97	100		
83	73.6	63.9	95.9
85	51.2	39.2	58.8
99	50.6	49.0	73.4

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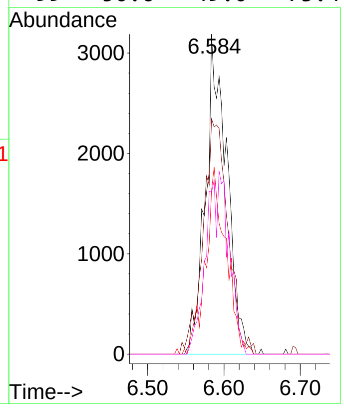
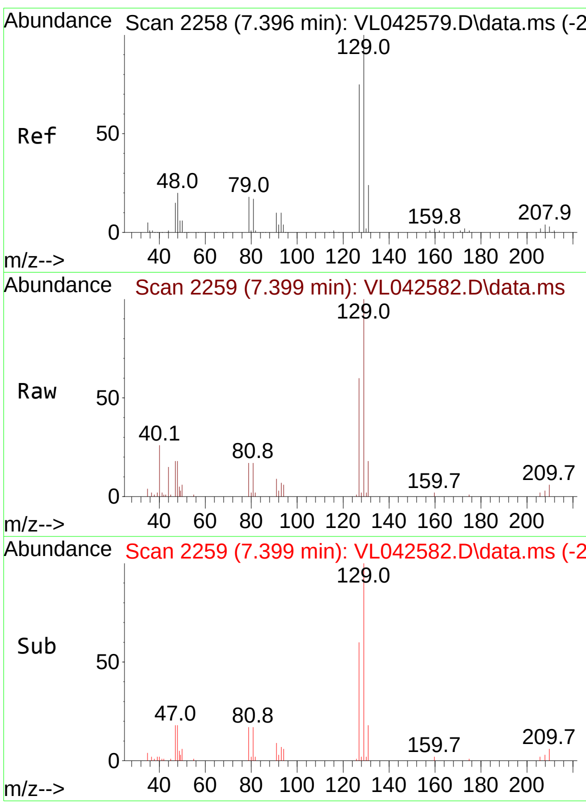
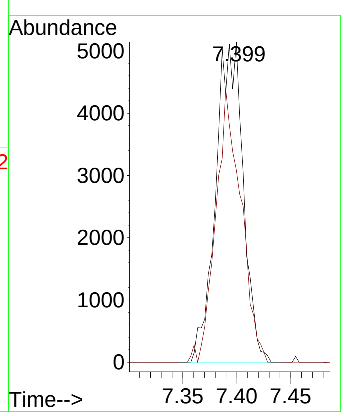


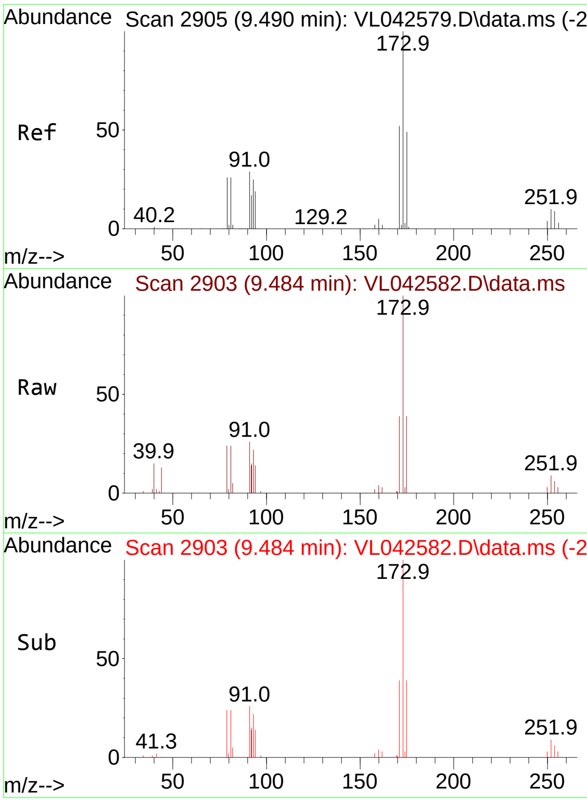


#48
Dibromochloromethane
Concen: 0.497 ppbv m
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:129 Resp: 9133

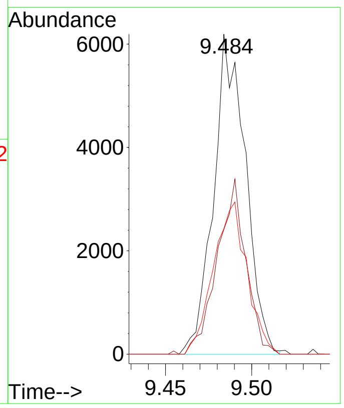
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	116.9#





#49
Bromoform
Concen: 0.503 ppbv
RT: 9.484 min Scan# 29
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:173 Resp: 797
Ion Ratio Lower Upper
173 100
175   49.4   38.7   58.1
171   50.2   41.2   61.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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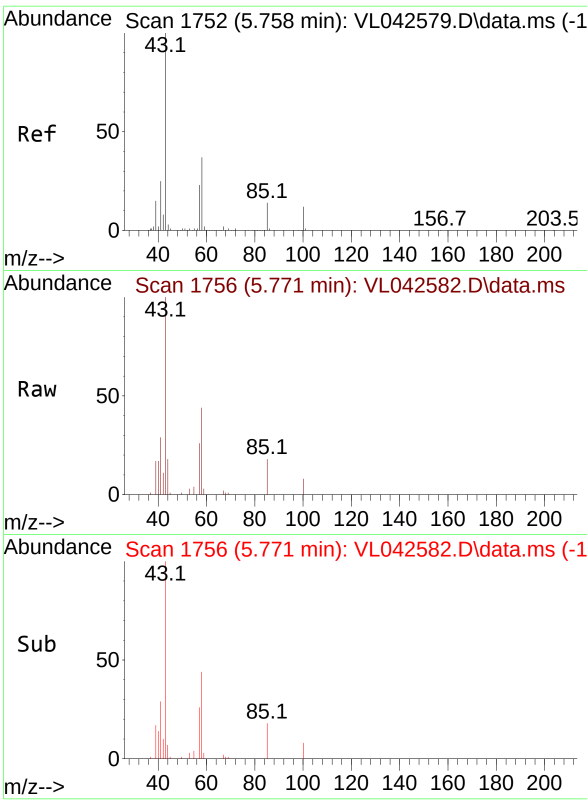
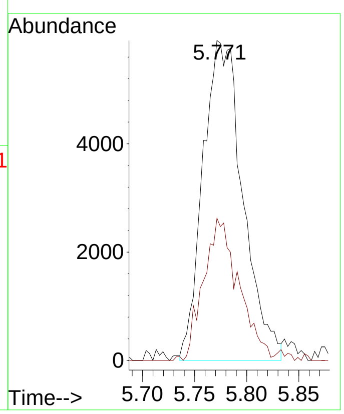
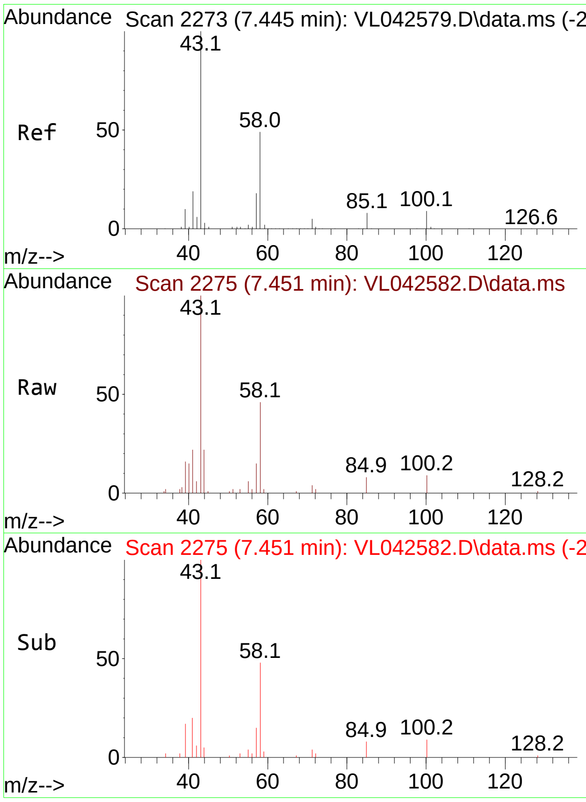
Supervised By :Mahesh Dadoda   05/30/2025



#50
4-Methyl-2-Pentanone
Concen: 0.522 ppbv m
RT: 5.771 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 15782
Ion Ratio Lower Upper
 43 100
 58   40.5   28.3   42.5





#51
2-Hexanone
Concen: 0.479 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 1145

Ion	Ratio	Lower	Upper
43	100		
58	51.5	39.9	59.9
98	0.0	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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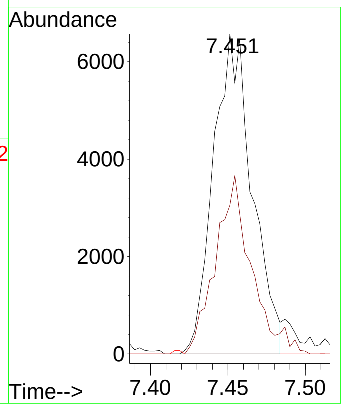
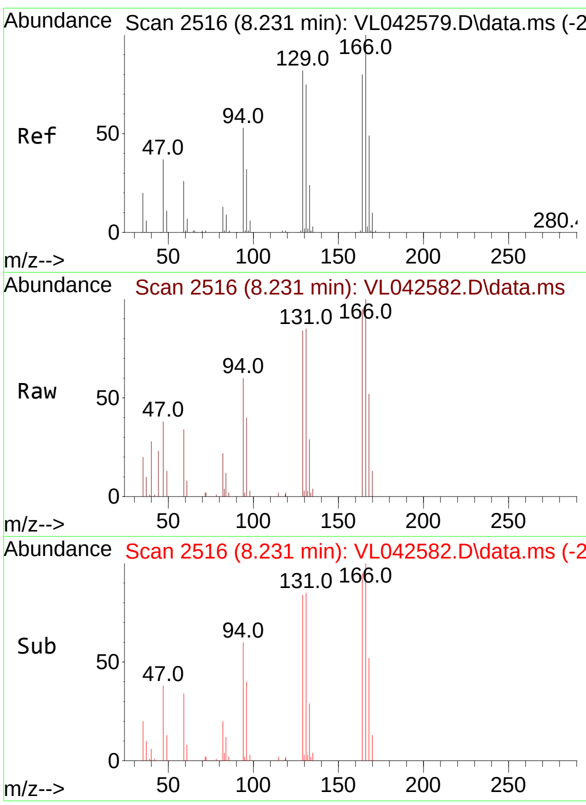
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

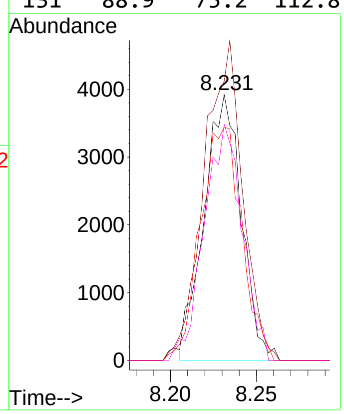


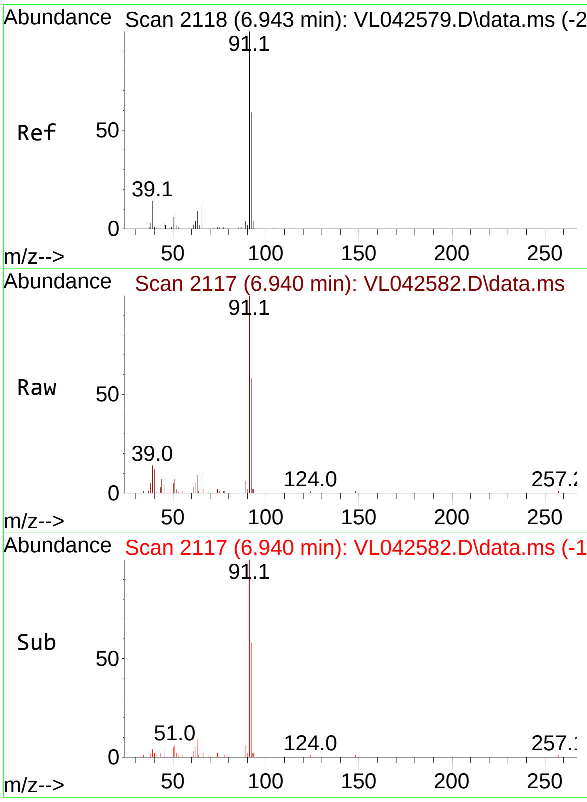


#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:164 Resp: 5950

Ion	Ratio	Lower	Upper
164	100		
166	105.1	100.0	150.0
129	87.8	82.2	123.4
131	88.9	75.2	112.8





#53
Toluene
Concen: 0.532 ppbv
RT: 6.940 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 91 Resp: 1842

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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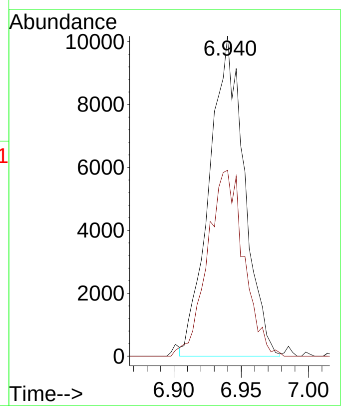
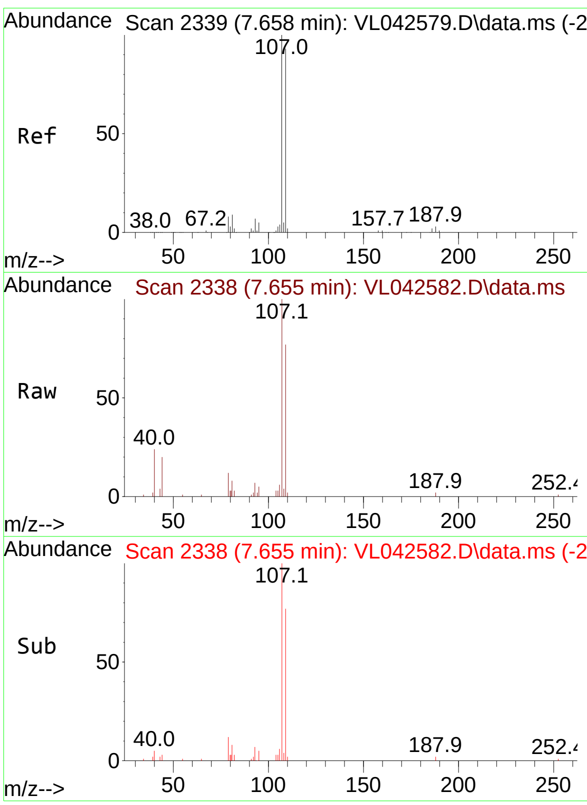
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

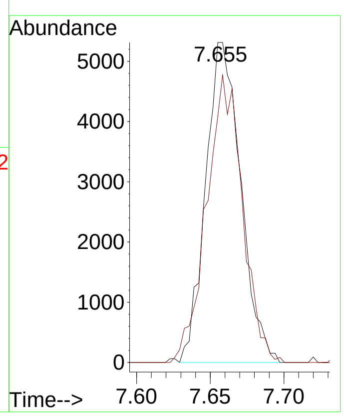


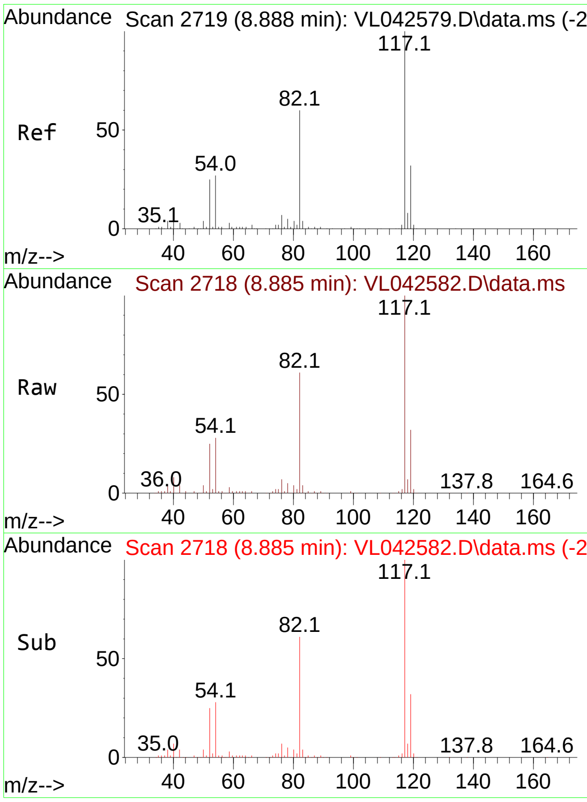


#54
1,2-Dibromoethane
Concen: 0.518 ppbv
RT: 7.655 min   Scan# 2338
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:107 Resp: 8810

Ion	Ratio	Lower	Upper
107	100		
109	75.3	74.3	111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 27610

Ion	Ratio	Lower	Upper
117	100		
82	61.6	51.2	76.8
119	32.5	26.3	39.5

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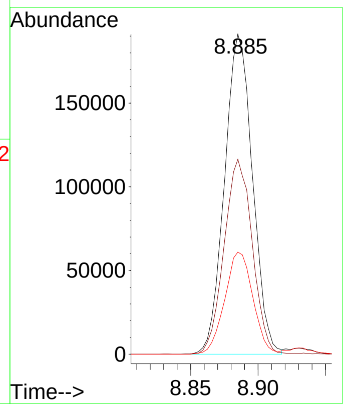
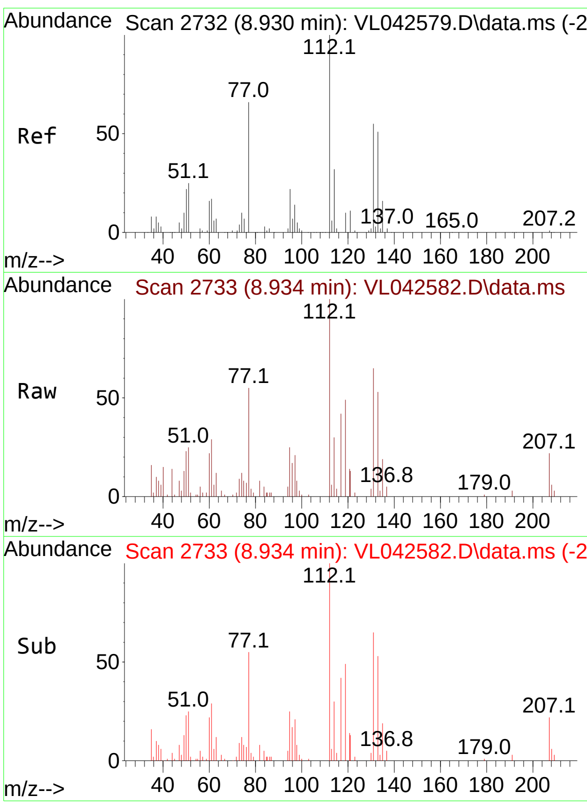
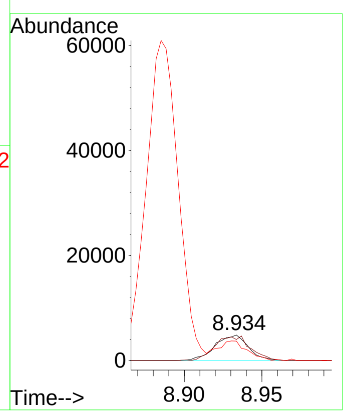


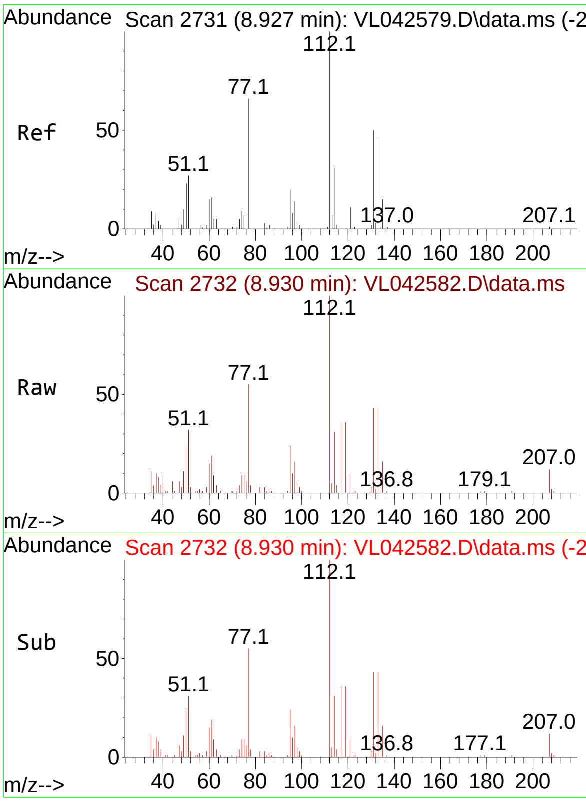


#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.934 min   Scan# 2733
Delta R.T.   0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:131 Resp: 7178

Ion	Ratio	Lower	Upper
131	100		
133	102.6	75.0	112.6
119	52.0	50.8	76.2





#57
Chlorobenzene
Concen: 0.557 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 1492

Ion	Ratio	Lower	Upper
112	100		
77	54.0	53.5	80.3
114	31.2	27.8	34.0

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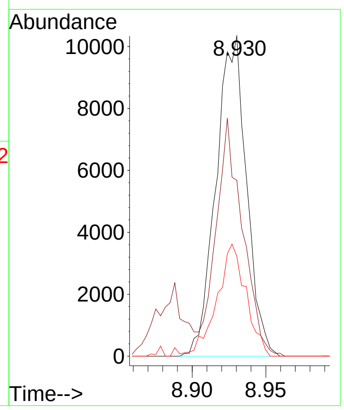
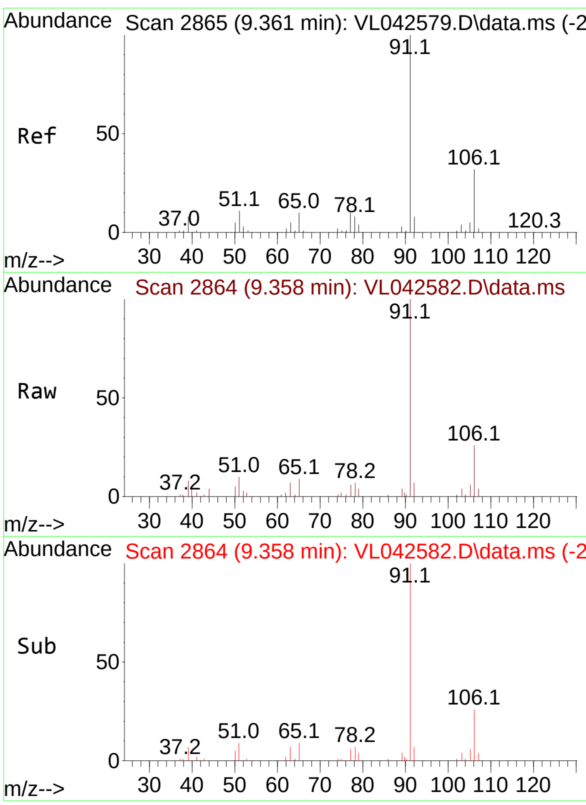
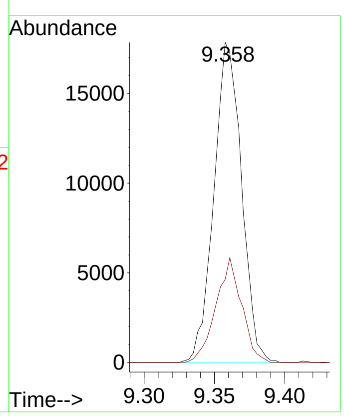


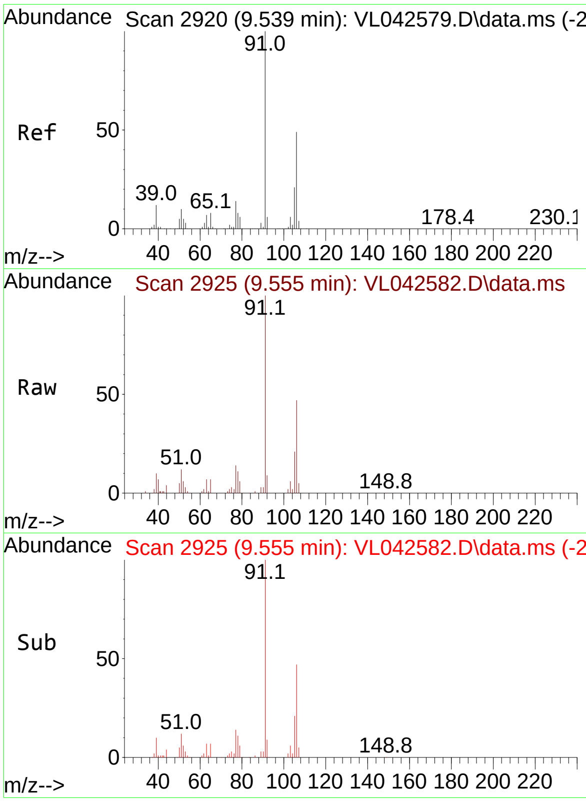


#58
Ethyl Benzene
Concen: 0.522 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 24442

Ion	Ratio	Lower	Upper
91	100		
106	25.9	25.9	38.9





#59
m/p-Xylene
Concen: 1.057 ppbv m
RT: 9.555 min Scan# 2!
Delta R.T. 0.016 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 3895!
Ion Ratio Lower Upper
 91 100
106   0.0   38.8   58.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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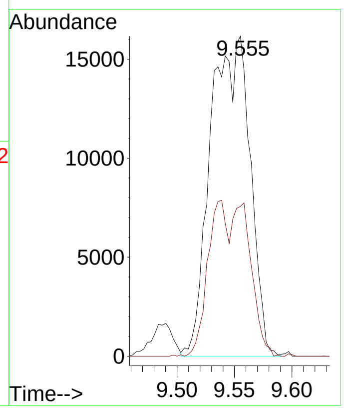
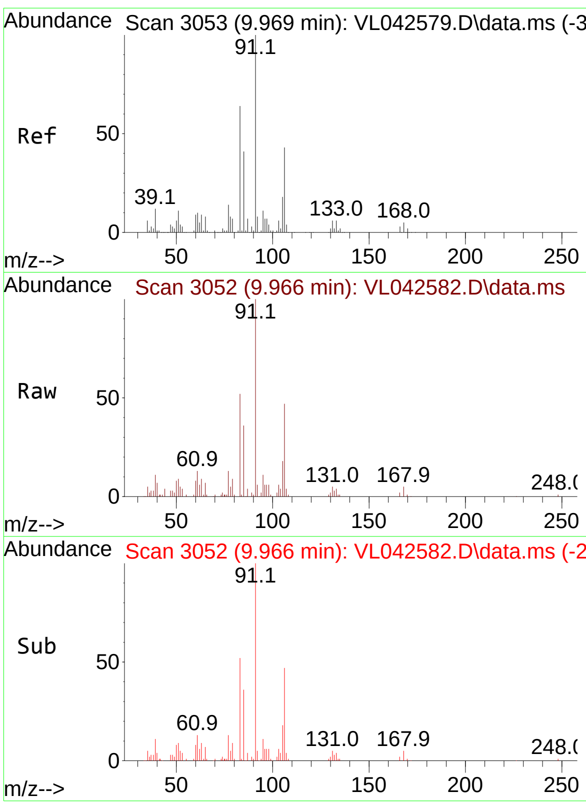
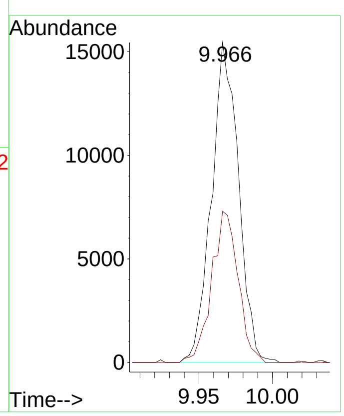
Supervised By :Mahesh Dadoda   05/30/2025

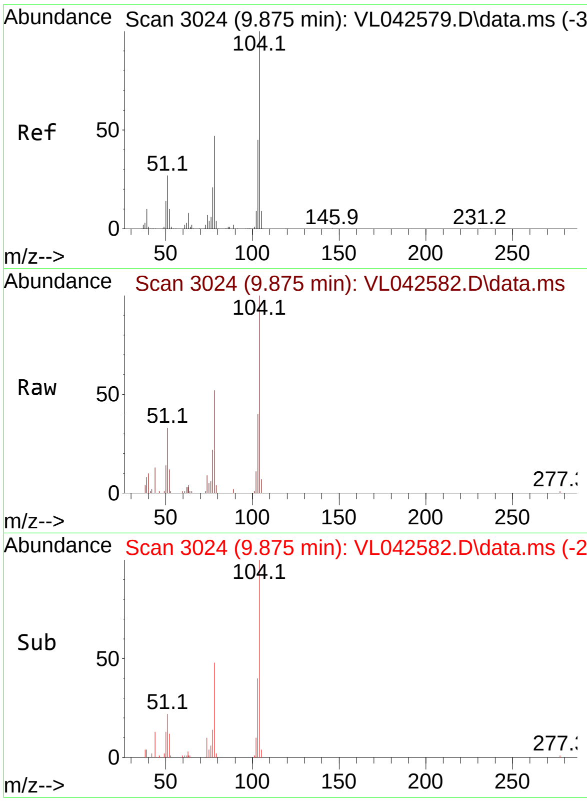




#60
o-Xylene
Concen: 0.537 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 19745
Ion Ratio Lower Upper
 91 100
106   46.2   22.9   68.5





#61
Styrene
Concen: 0.497 ppbv
RT: 9.875 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 863

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.4
103	47.6	36.7	55.1

Manual Integrations
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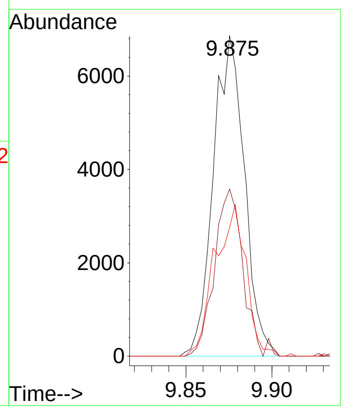
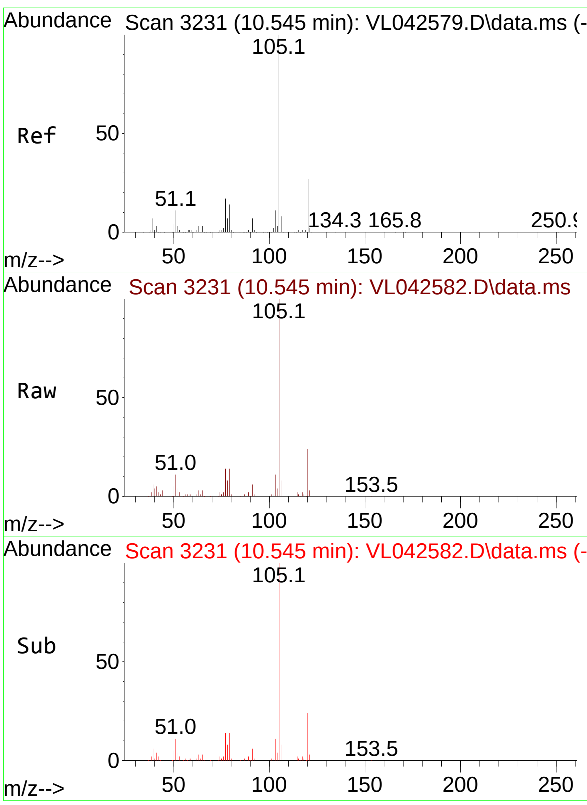
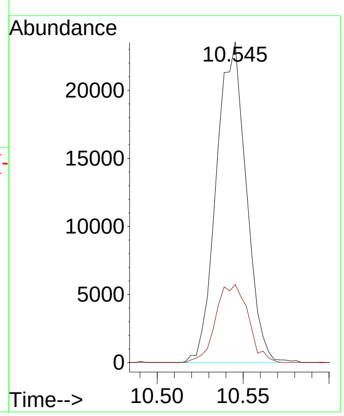


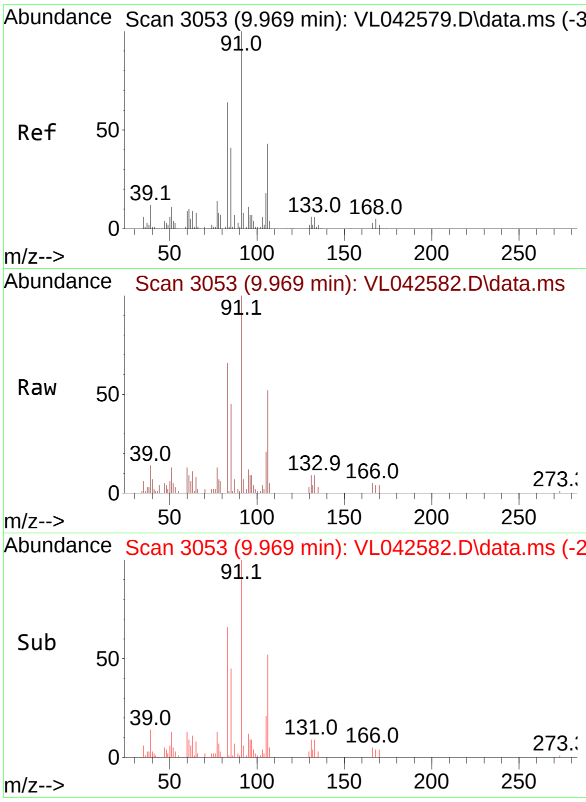


#62
Isopropylbenzene
Concen: 0.524 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 28442

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 9.969 min Scan# 3(
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 1213

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	67.5	32.5	97.4

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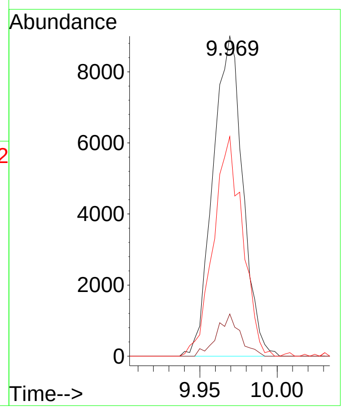
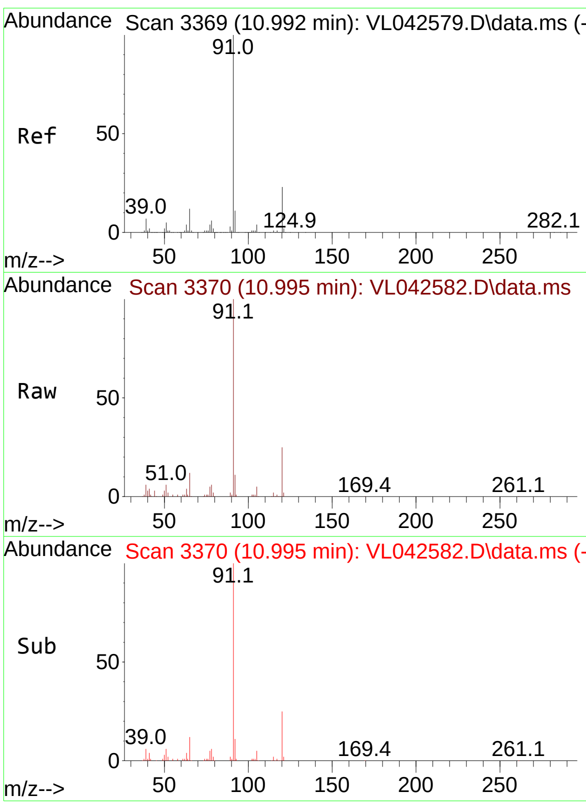
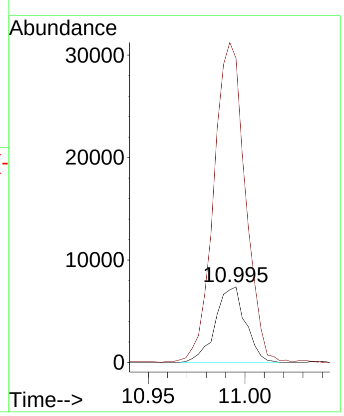


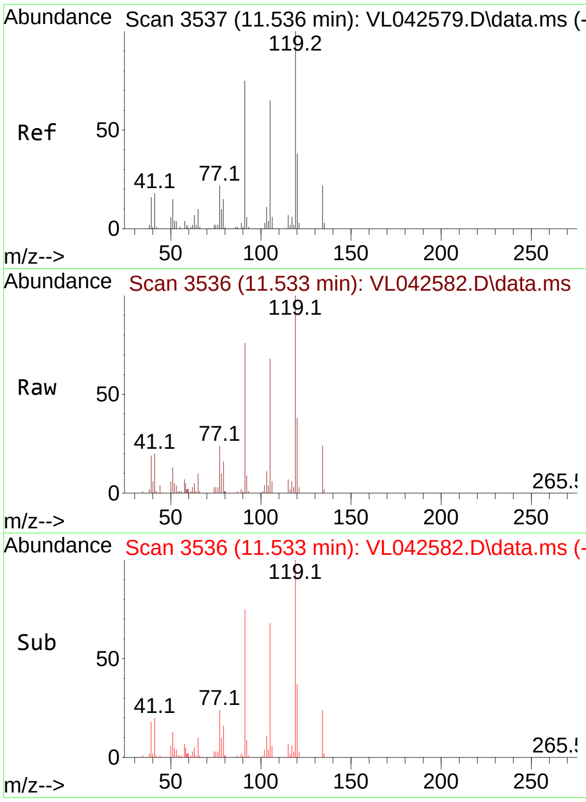


#64
n-propylbenzene
Concen: 0.549 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:120 Resp: 7993

Ion	Ratio	Lower	Upper
120	100		
91	447.2	363.0	544.6





#65
tert-Butylbenzene
Concen: 0.545 ppbv
RT: 11.533 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:119 Resp: 2685(

Ion	Ratio	Lower	Upper
119	100		
91	76.7	61.1	91.7
134	22.6	17.4	26.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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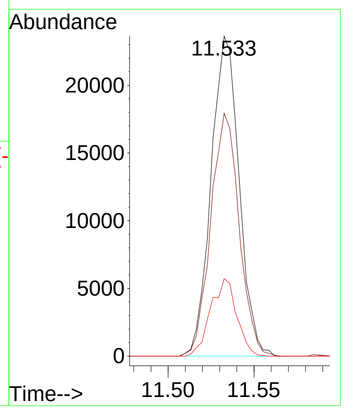
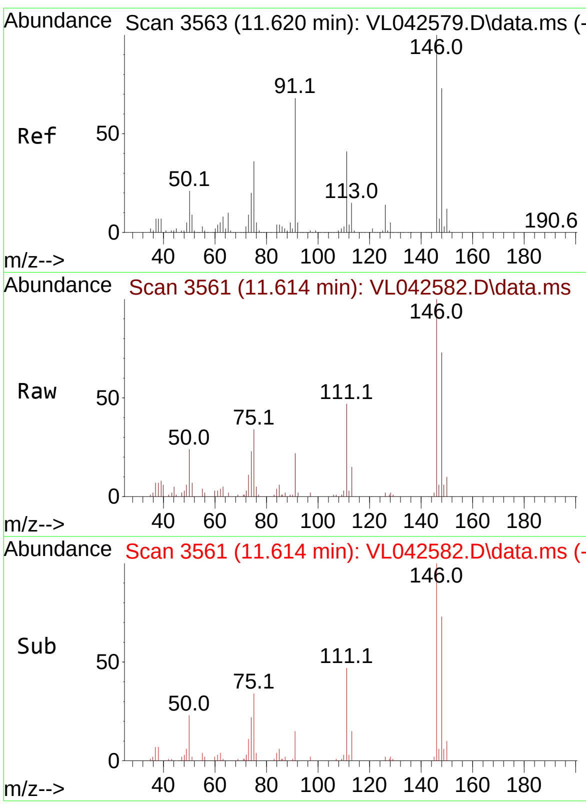
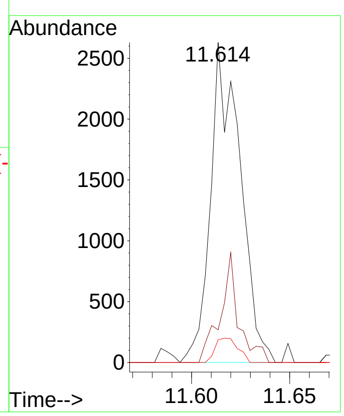


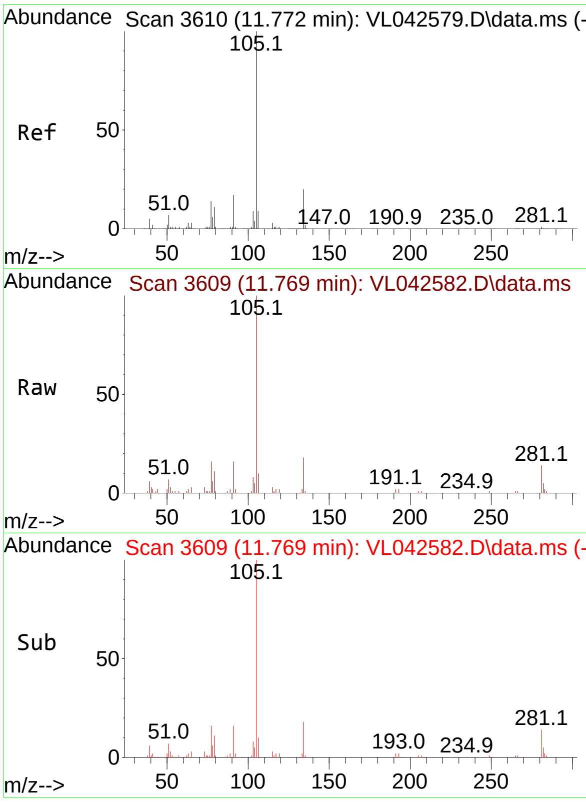


#66
Benzyl Chloride
Concen: 0.433 ppbv m
RT: 11.614 min Scan# 3561
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 2753

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.1	22.7#
128	0.0	5.0	7.6#





#67
sec-Butylbenzene
Concen: 0.547 ppbv
RT: 11.769 min   Scan# 3
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:105 Resp: 37899

Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.8	23.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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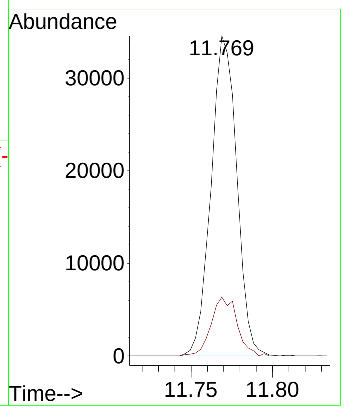
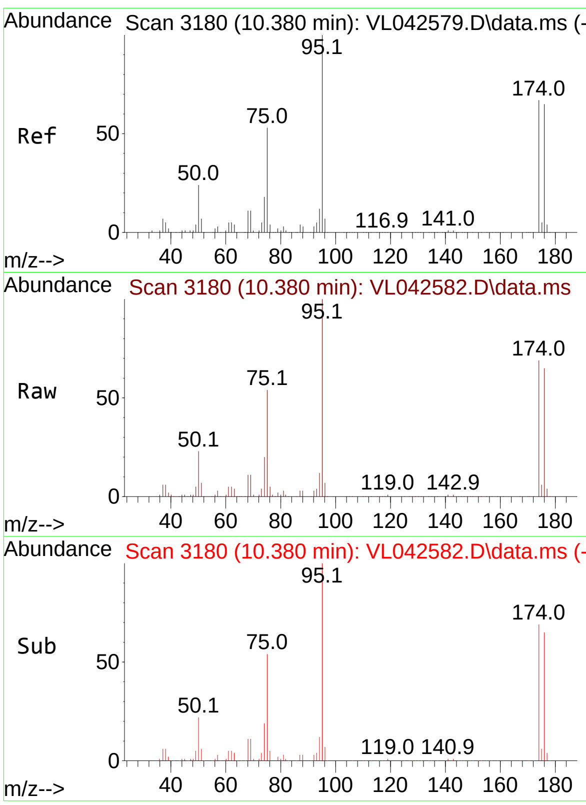
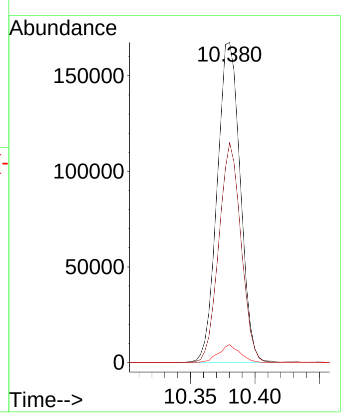


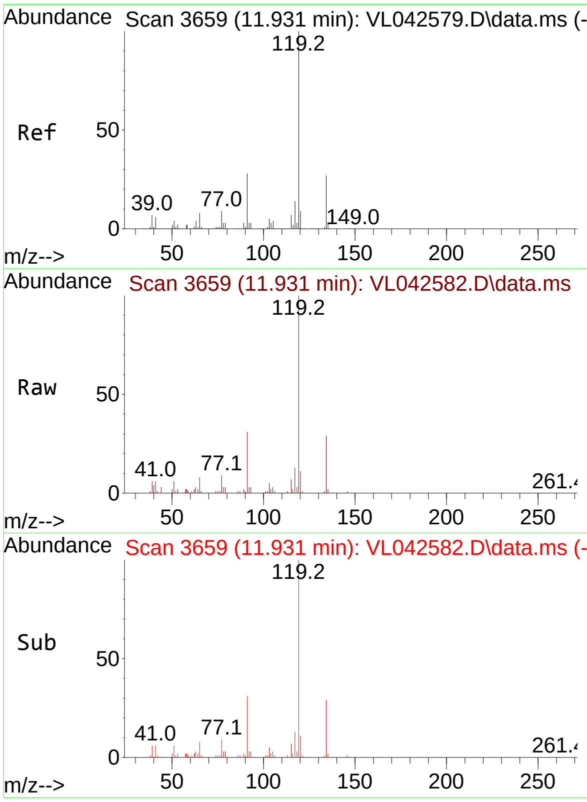


#68
1-Bromo-4-Fluorobenzene
Concen: 10.065 ppbv
RT: 10.380 min   Scan# 3180
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 95 Resp: 208325

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.1	79.7
175	5.1	4.2	6.2





#69
p-Isopropyltoluene
Concen: 0.533 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 3093

Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.1	31.7
91	27.5	21.9	32.9

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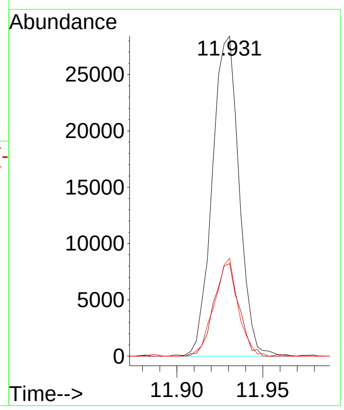
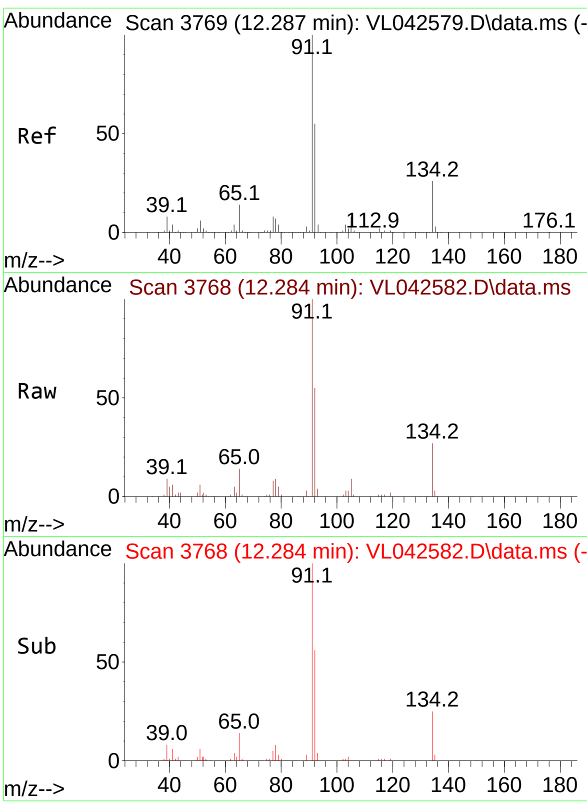
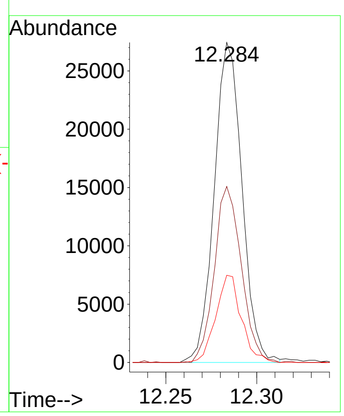


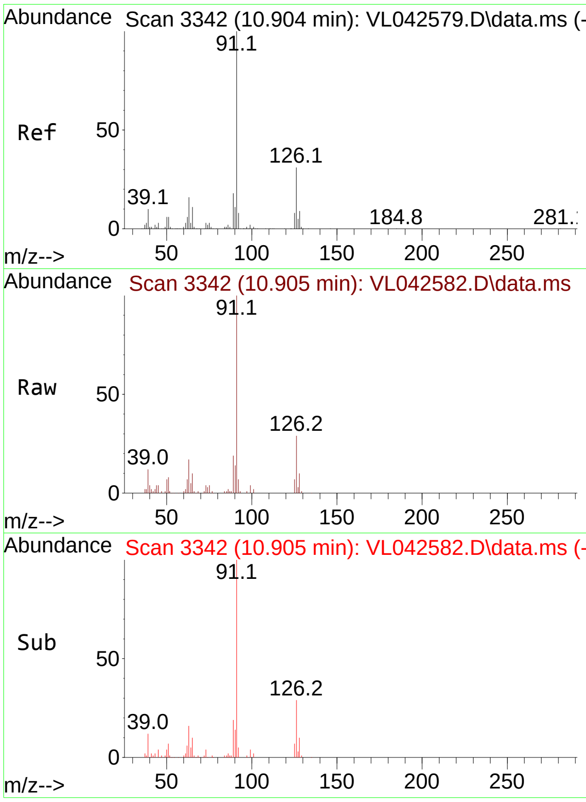


#70
n-Butylbenzene
Concen: 0.509 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 29130

Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.4	66.6
134	25.1	20.1	30.1





#71
2-Chlorotoluene
Concen: 0.534 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 2213

Ion	Ratio	Lower	Upper
91	100		
126	31.5	12.6	50.4

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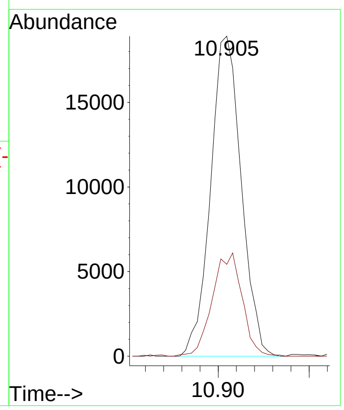
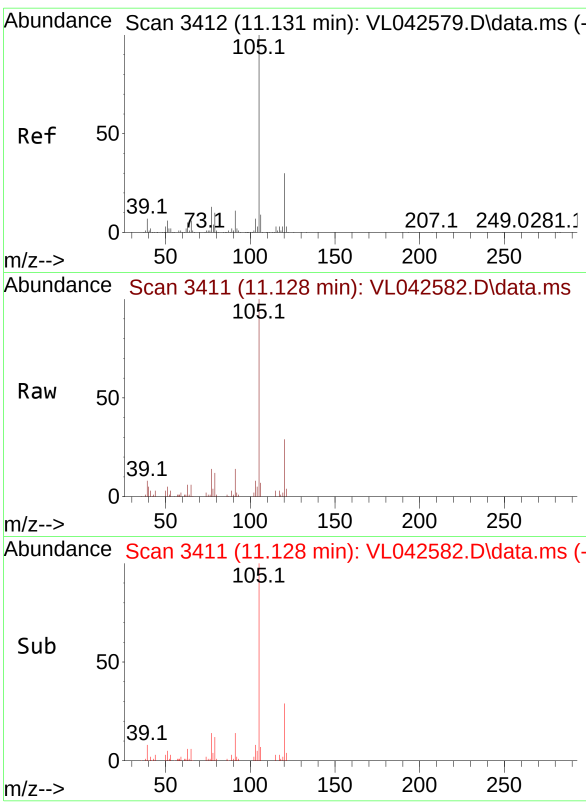
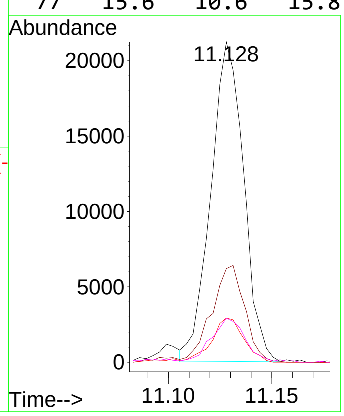


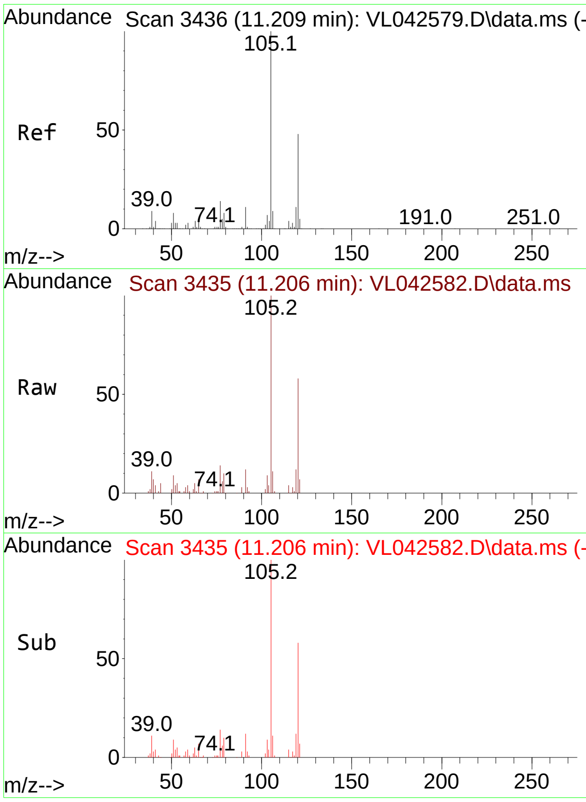


#72
4-Ethyltoluene
Concen: 0.513 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 23521

Ion	Ratio	Lower	Upper
105	100		
120	31.5	24.6	36.8
91	14.3	9.6	14.4
77	15.6	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 0.524 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 1989

Ion	Ratio	Lower	Upper
105	100		
120	58.0	38.8	58.2

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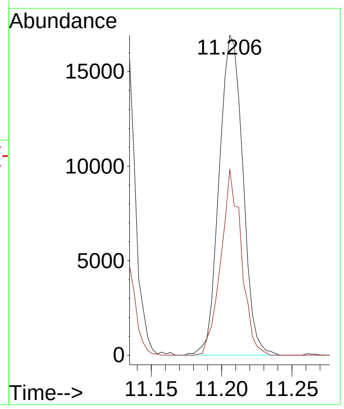
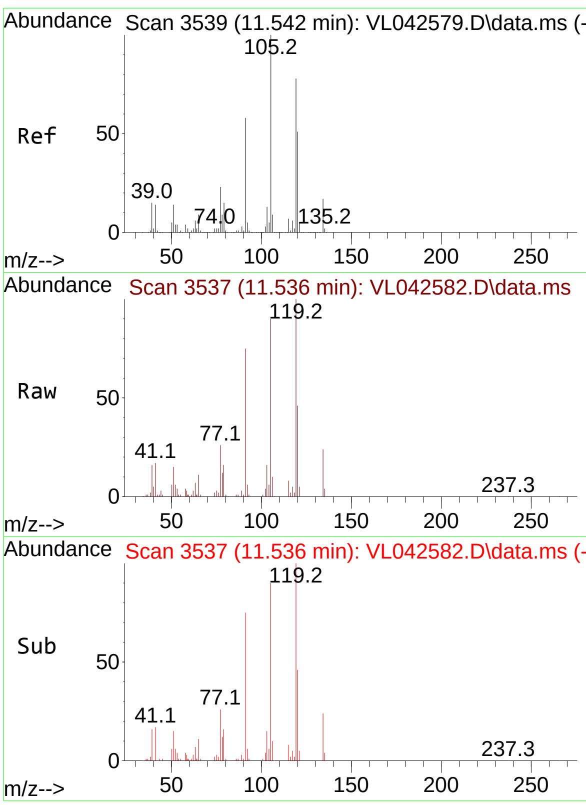
Supervised By :Mahesh Dadoda 05/30/2025

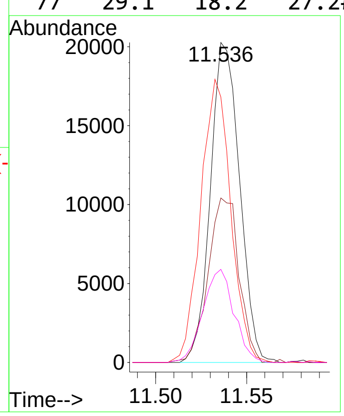


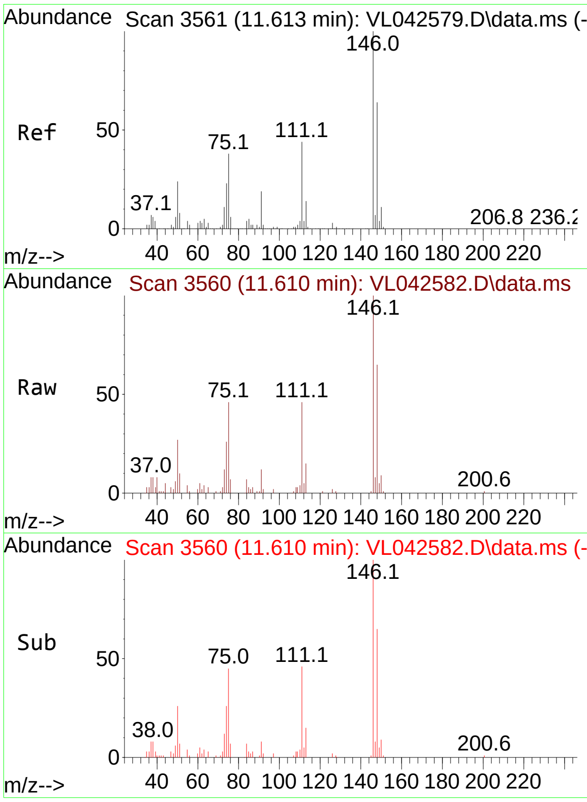


#74
1,2,4-Trimethylbenzene
Concen: 0.538 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 22635

Ion	Ratio	Lower	Upper
105	100		
120	50.6	40.8	61.2
91	83.0	46.8	70.2#
77	29.1	18.2	27.2#

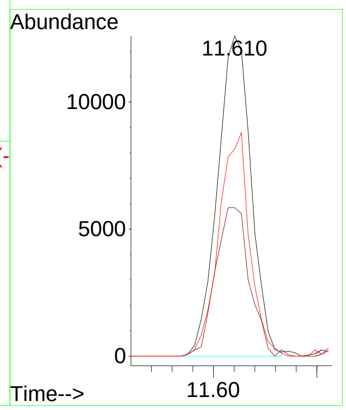




#75
1,3-Dichlorobenzene
Concen: 0.538 ppbv
RT: 11.610 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:146 Resp: 1423
Ion Ratio Lower Upper

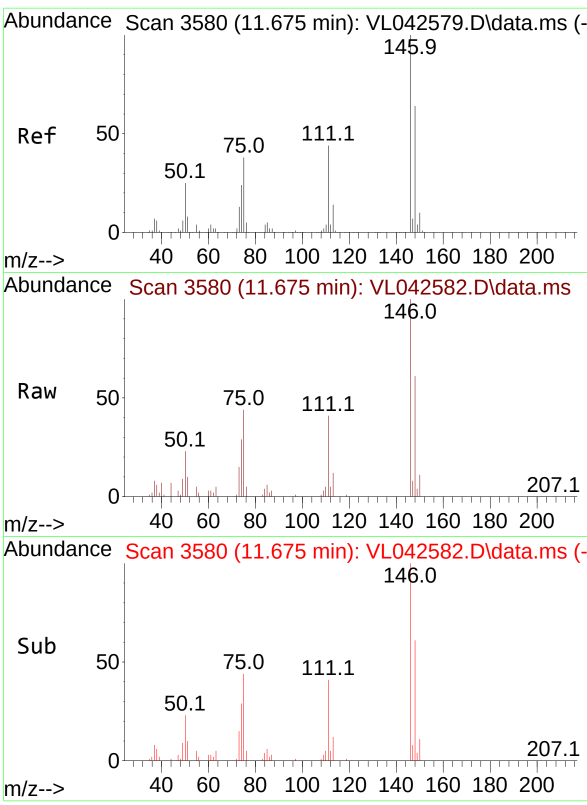
Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.4	67.3
148	64.2	32.0	96.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

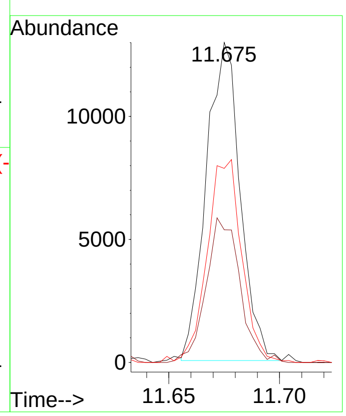
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

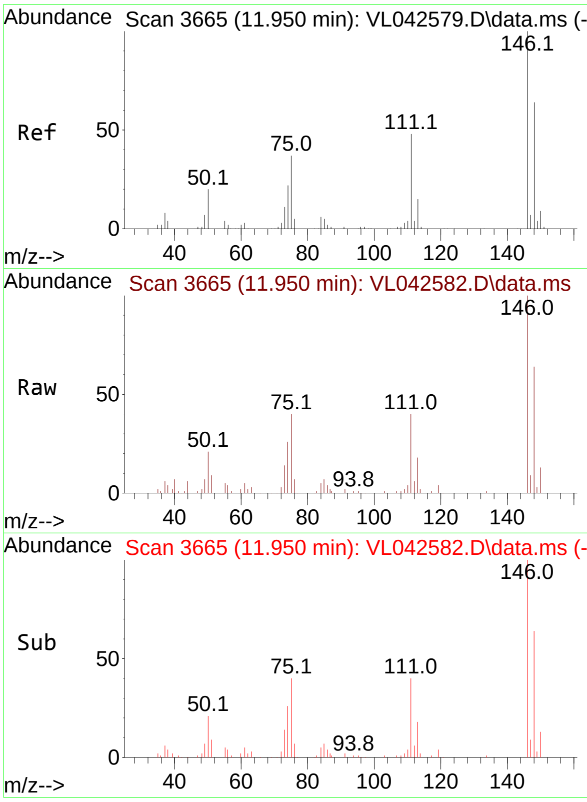


#76
1,4-Dichlorobenzene
Concen: 0.522 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:146 Resp: 13773

Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.6	64.8
148	65.5	32.1	96.5





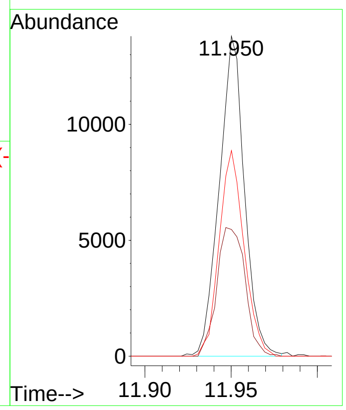
#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

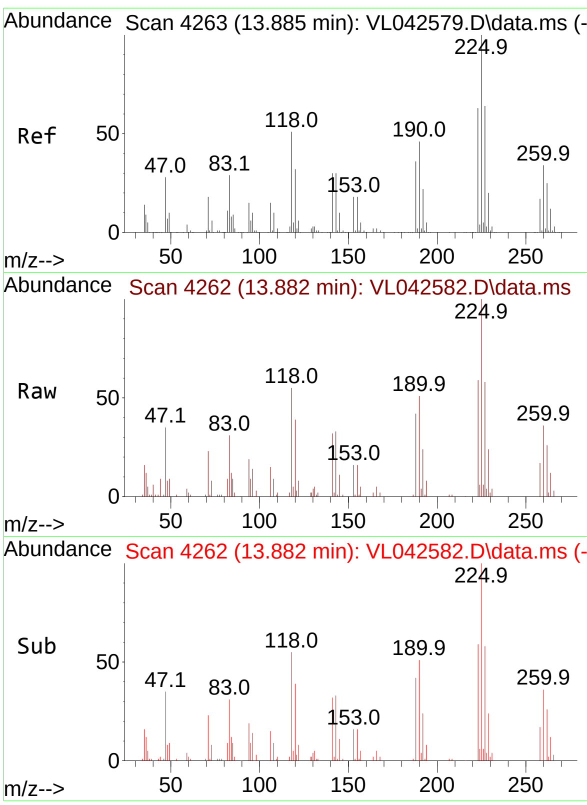
Tgt Ion:146 Resp: 1406

Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.1	69.3
148	63.5	32.1	96.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

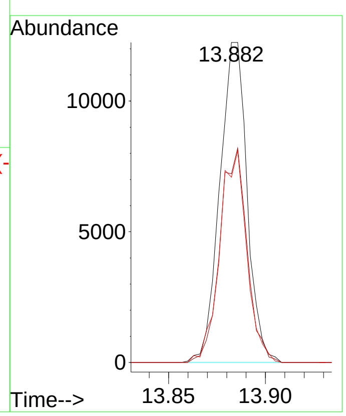


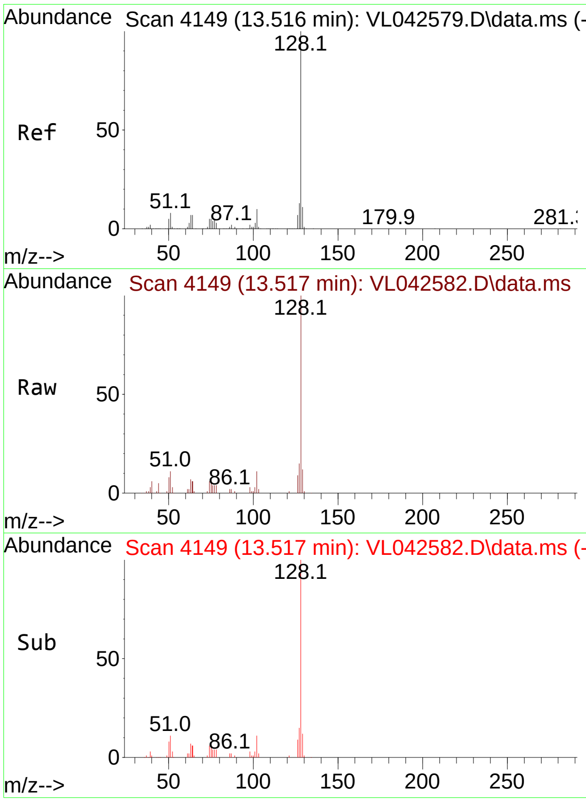


#78
Hexachloro-1,3-Butadiene
Concen: 0.567 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:225 Resp: 12036

Ion	Ratio	Lower	Upper
225	100		
223	66.2	50.2	75.4
227	65.3	51.1	76.7

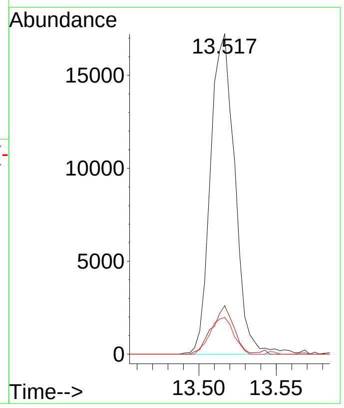




#79
Naphthalene
Concen: 0.477 ppbv
RT: 13.517 min   Scan# 4
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:128 Resp: 1885

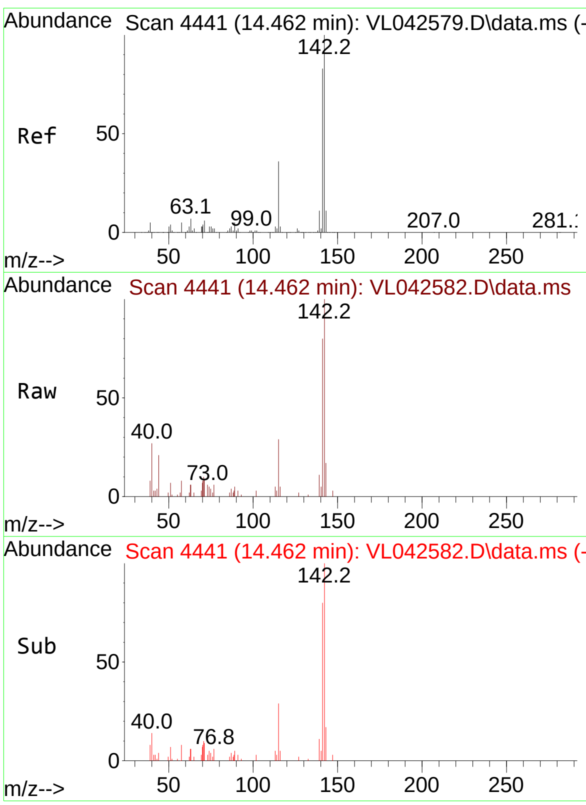
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.2	15.4
129	11.5	8.8	13.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

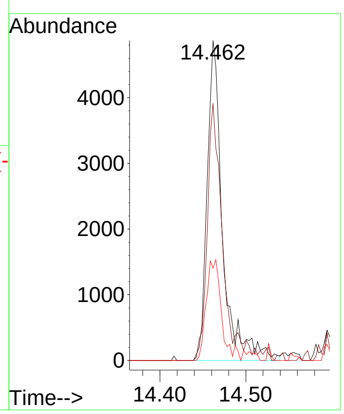
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

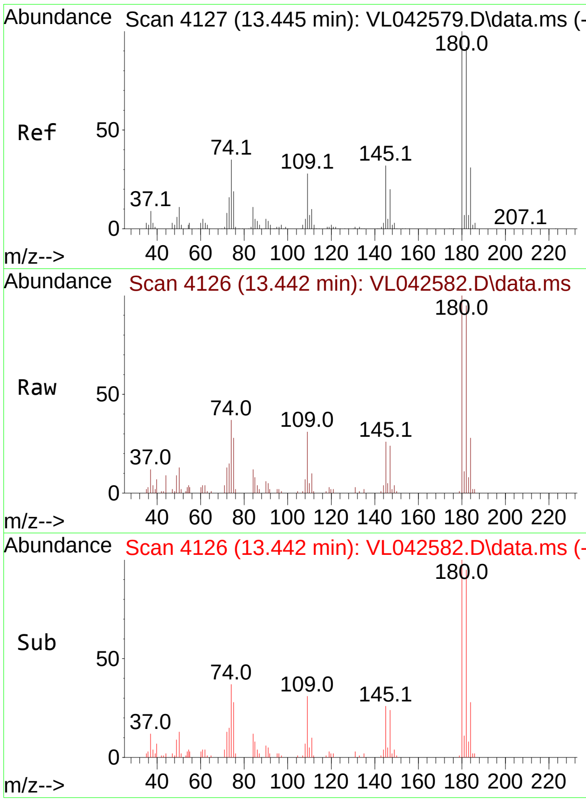


#80
Naphthalene,2-methyl-
Concen: 0.342 ppbv
RT: 14.462 min   Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:142 Resp: 6126

Ion	Ratio	Lower	Upper
142	100		
141	81.6	66.2	99.4
115	33.8	28.3	42.5





#81
1,2,4-Trichlorobenzene
Concen: 0.446 ppbv
RT: 13.442 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:180 Resp: 987

Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
184	28.9	24.6	36.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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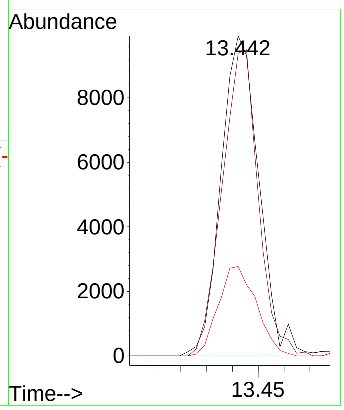
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



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 2
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

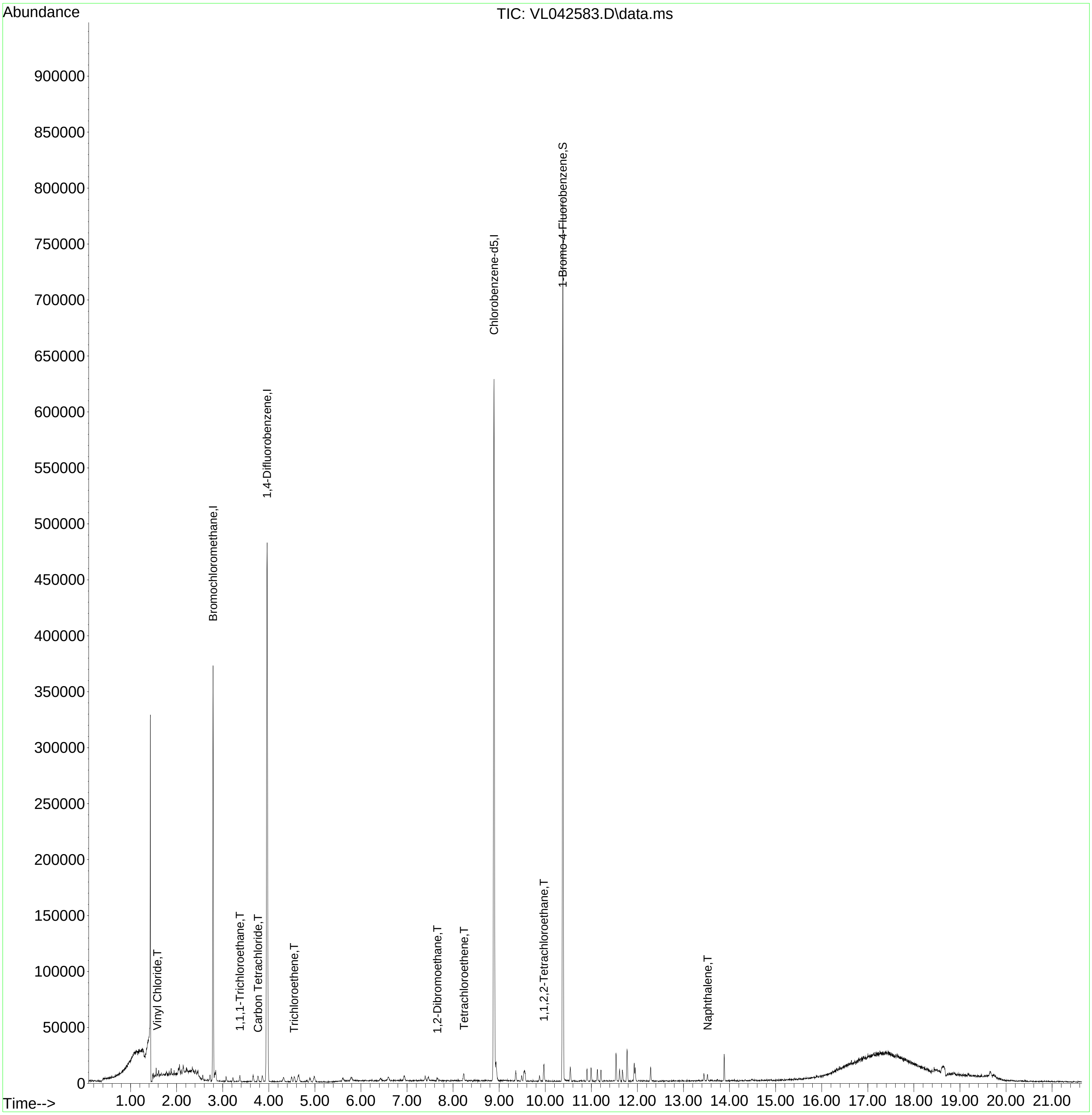
Quantitation Report (QT Reviewed)

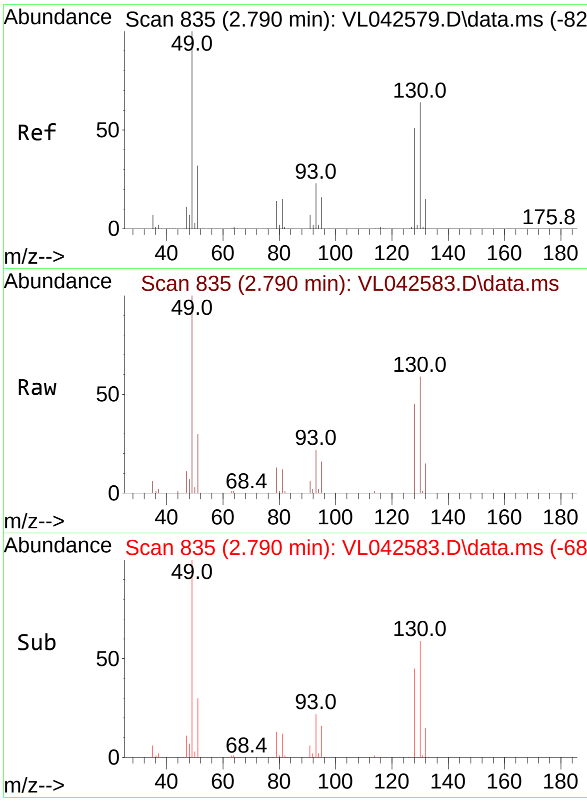
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042583.D
Acq On : 29 May 2025 13:19
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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
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





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min   Scan# 8
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

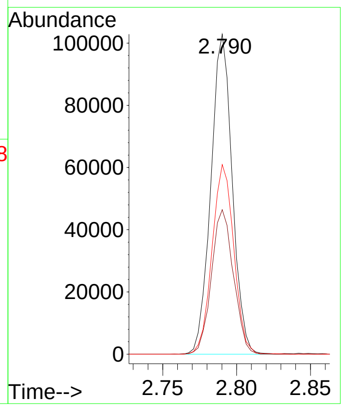
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

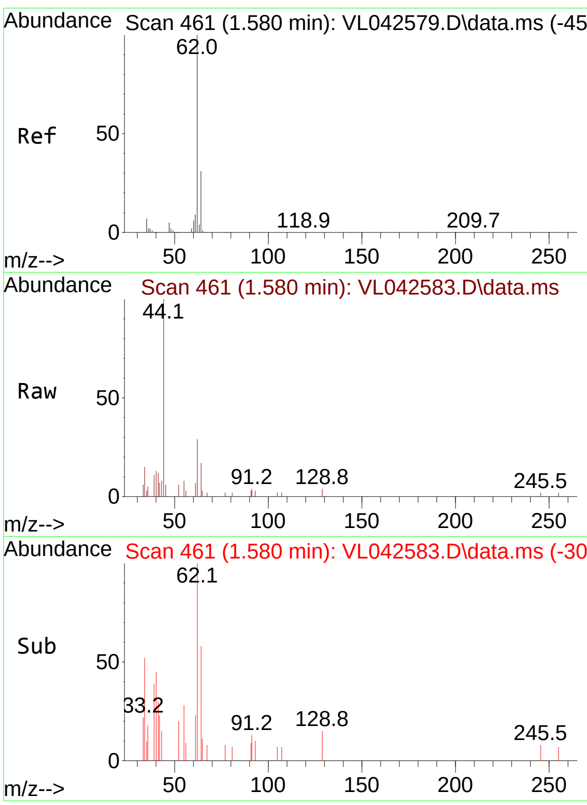
Tgt Ion: 49 Resp: 10337

Ion	Ratio	Lower	Upper
49	100		
128	46.5	24.2	72.6
130	60.4	30.4	91.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

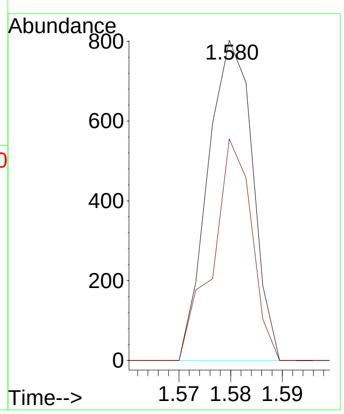


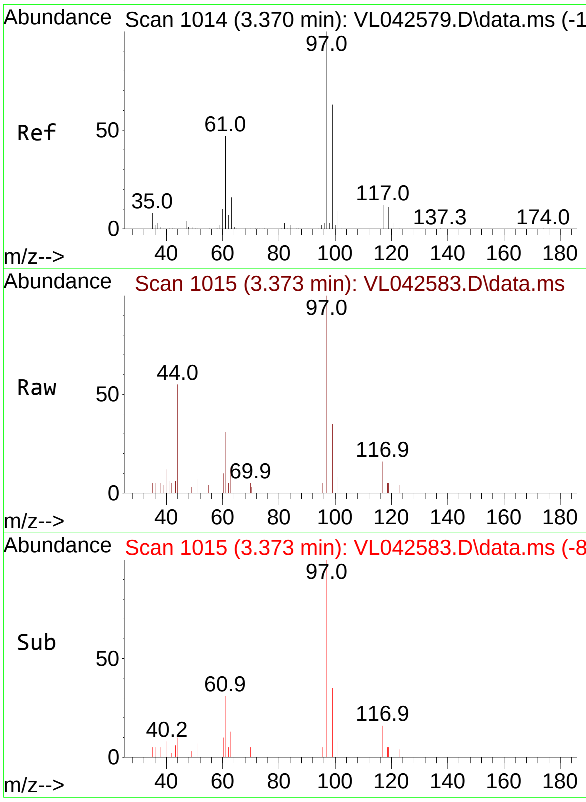


#5
Vinyl Chloride
Concen: 0.094 ppbv
RT: 1.580 min   Scan# 461
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Tgt Ion: 62 Resp: 481

Ion	Ratio	Lower	Upper
62	100		
64	69.2	24.9	37.3#





#32
1,1,1-Trichloroethane
Concen: 0.107 ppbv
RT: 3.373 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 215

Ion	Ratio	Lower	Upper
97	100		
99	52.2	51.0	76.6
61	51.3	39.4	59.0

Manual Integrations
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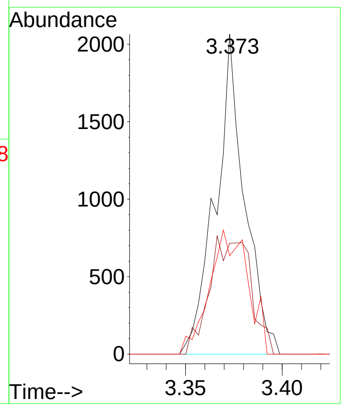
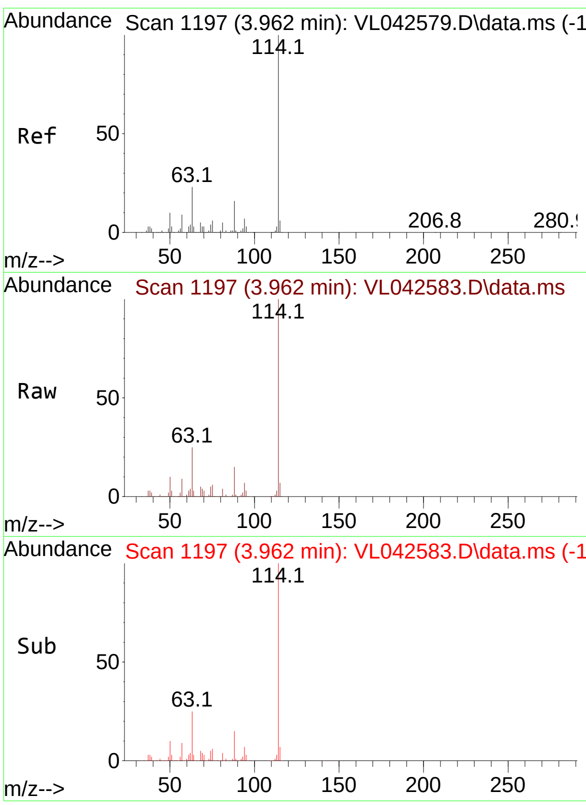
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

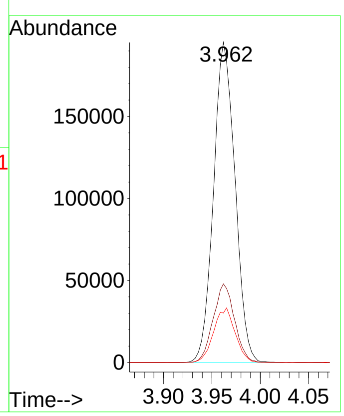


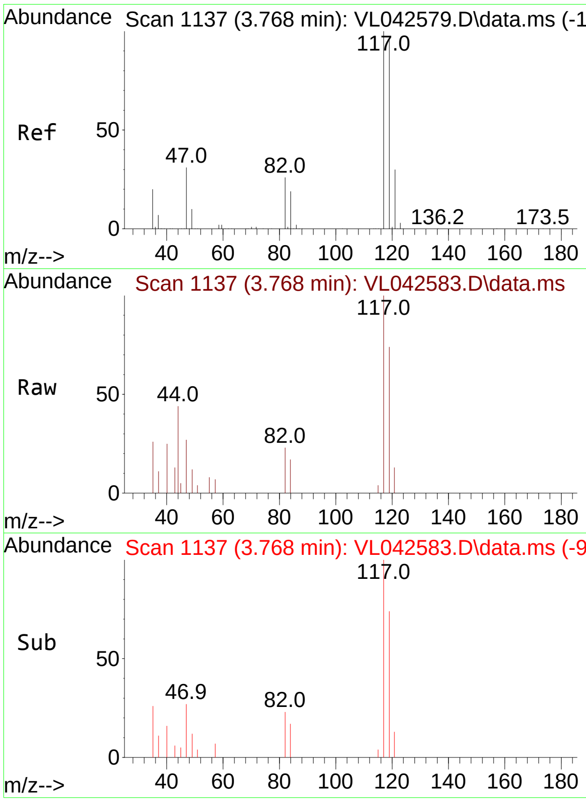


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:114 Resp: 302218

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.0	28.6
88	17.0	13.6	20.4





#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

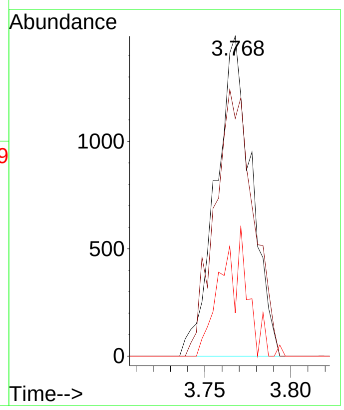
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

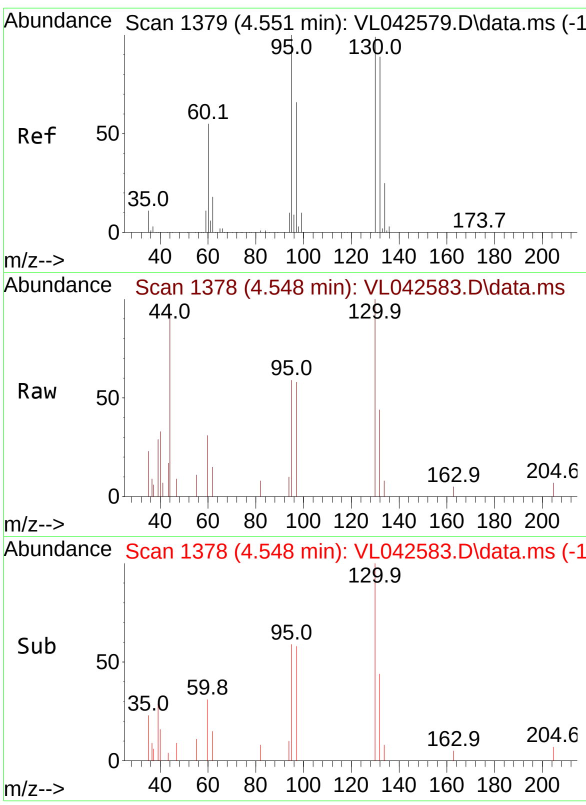
Tgt Ion:117 Resp: 213

Ion	Ratio	Lower	Upper
117	100		
119	74.3	76.8	115.2#
121	13.5	24.3	36.5#

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

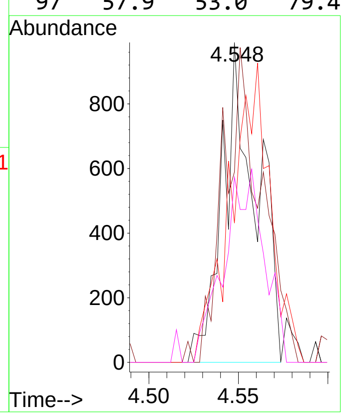


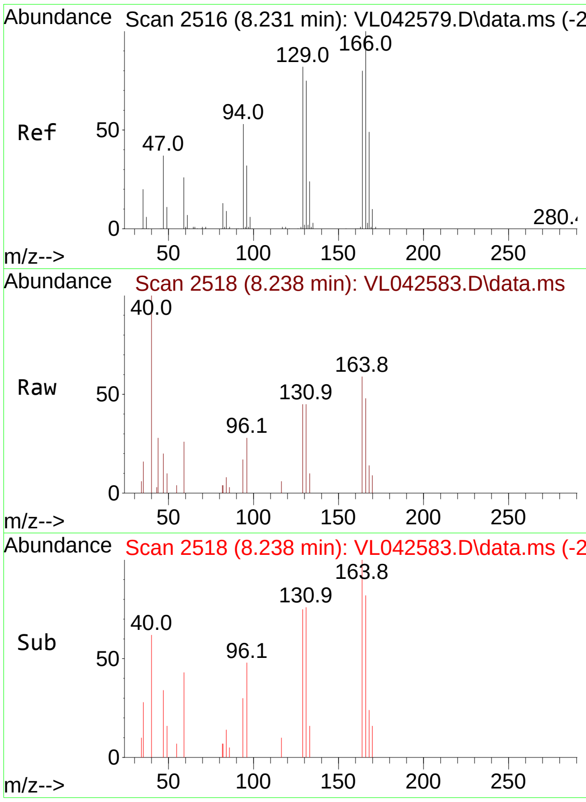


#38
Trichloroethene
Concen: 0.102 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:130 Resp: 1305

Ion	Ratio	Lower	Upper
130	100		
95	59.5	80.6	121.0#
132	43.5	71.8	107.6#
97	57.9	53.0	79.4





#52
Tetrachloroethene
Concen: 0.111 ppbv m
RT: 8.238 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

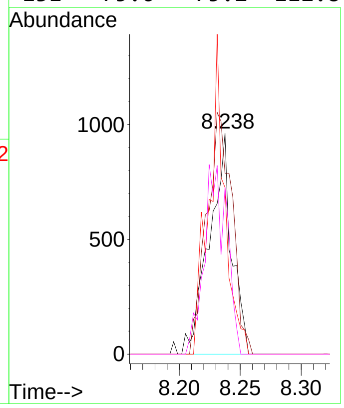
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

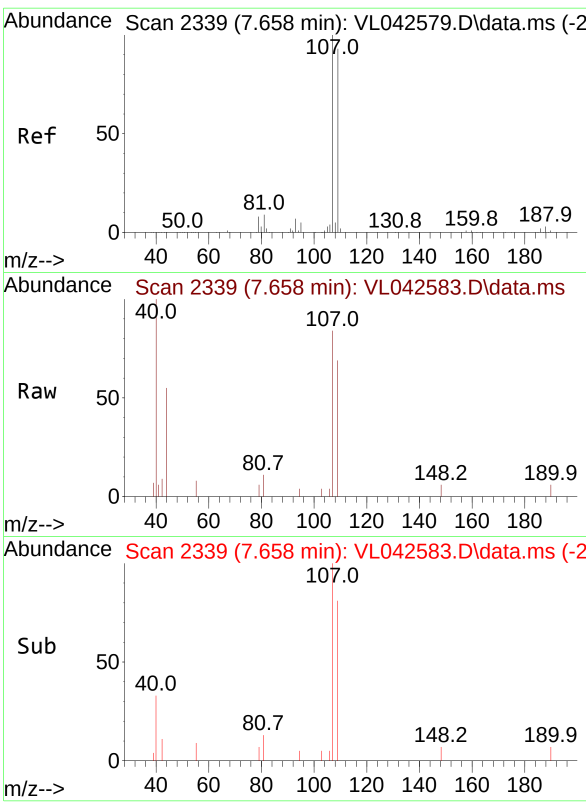
Tgt Ion:164 Resp: 123

Ion	Ratio	Lower	Upper
164	100		
166	81.9	100.0	150.0#
129	75.5	82.2	123.4#
131	75.6	75.2	112.8

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

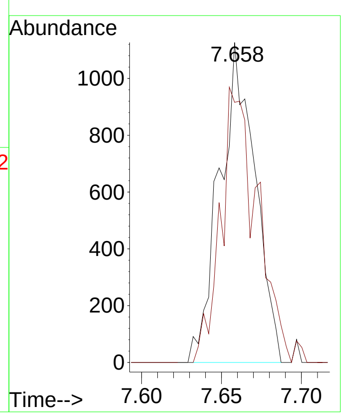


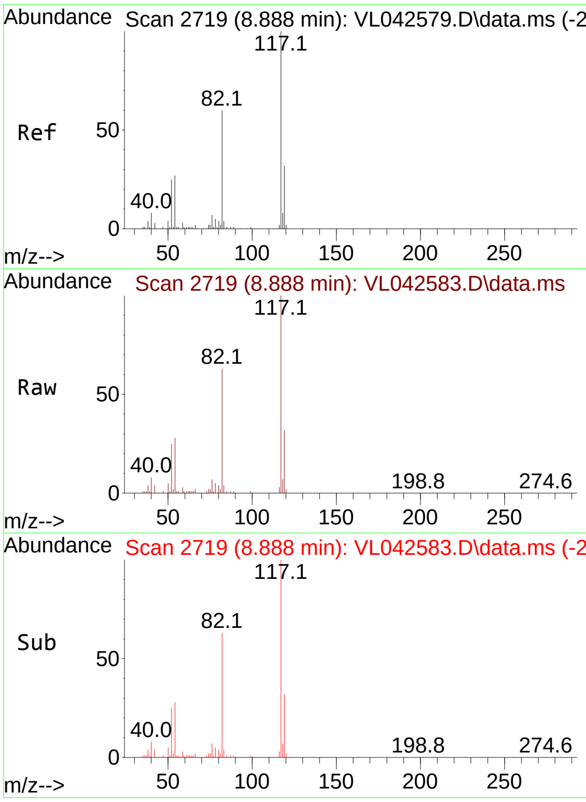


#54
1,2-Dibromoethane
Concen: 0.103 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:107 Resp: 1737

Ion	Ratio	Lower	Upper
107	100		
109	81.3	74.3	111.5





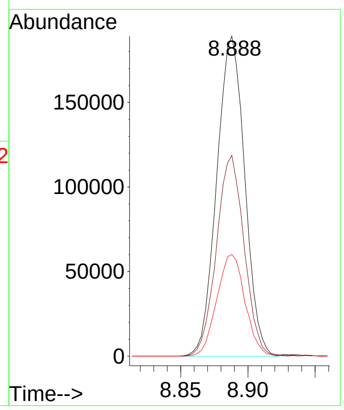
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

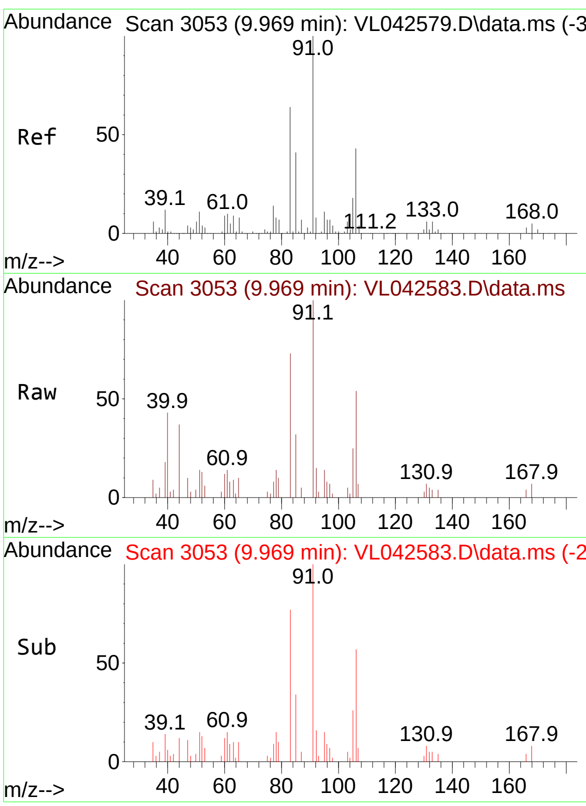
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 27388

Ion	Ratio	Lower	Upper
117	100		
82	62.1	51.2	76.8
119	32.3	26.3	39.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

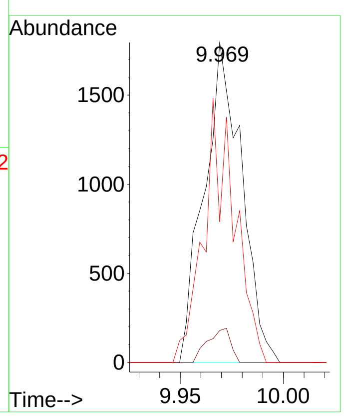


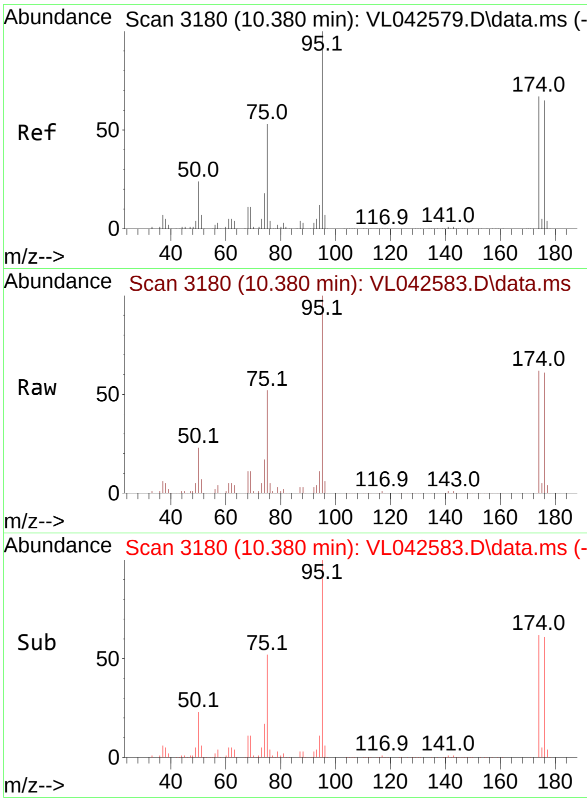


#63
1,1,2,2-Tetrachloroethane
Concen: 0.098 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 83 Resp: 2267

Ion	Ratio	Lower	Upper
83	100		
131	6.6	4.8	14.4
85	68.0	32.5	97.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.018 ppbv
RT: 10.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

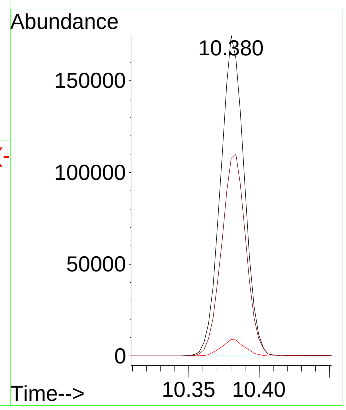
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

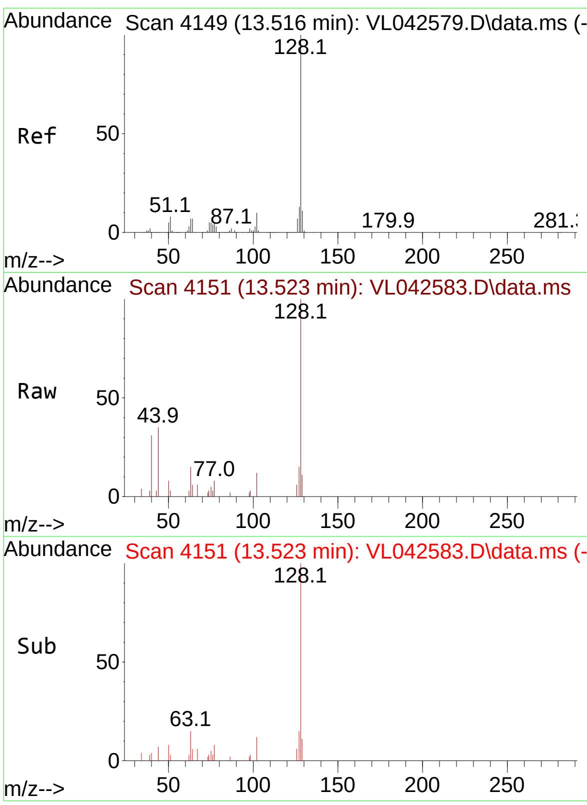
Tgt Ion: 95 Resp: 20567

Ion	Ratio	Lower	Upper
95	100		
174	64.7	53.1	79.7
175	5.0	4.2	6.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

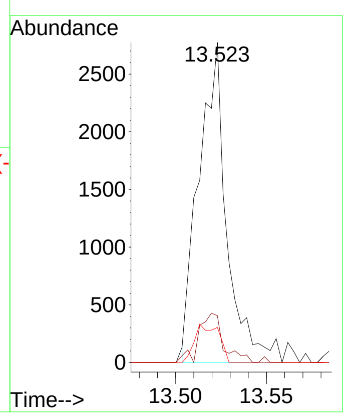




#79
Naphthalene
Concen: 0.076 ppbv m
RT: 13.523 min Scan# 4151
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:128 Resp: 2980

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.2	15.4
129	11.0	8.8	13.2



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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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 2
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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

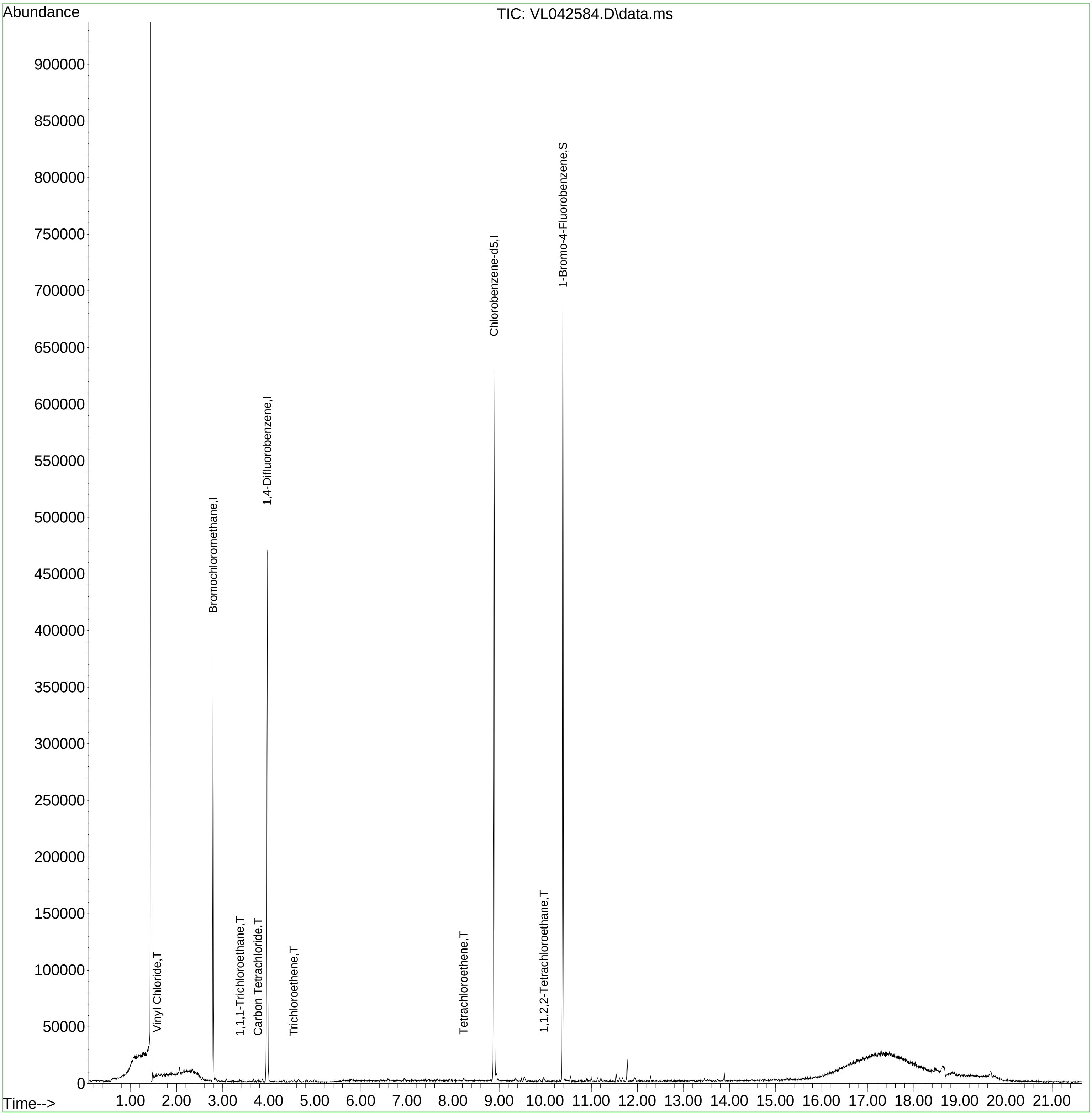
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042584.D
Acq On : 29 May 2025 13:51
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

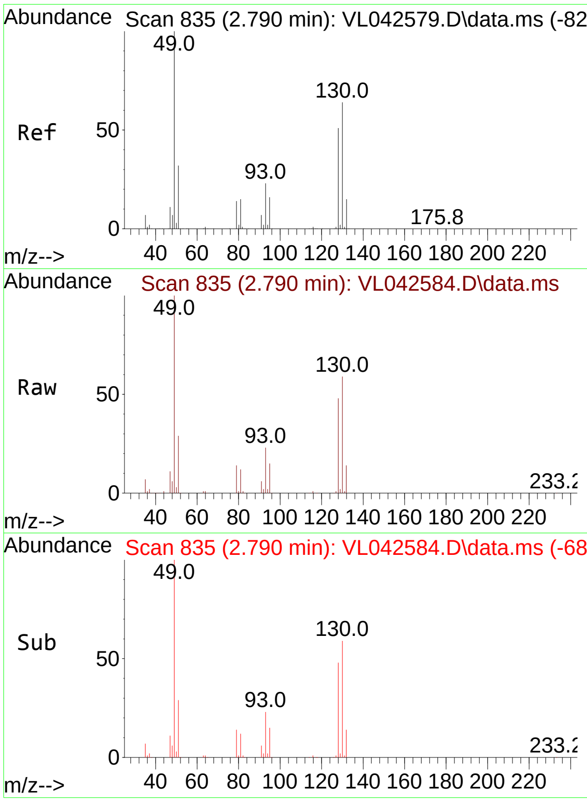
Quant Time: May 30 01:36:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

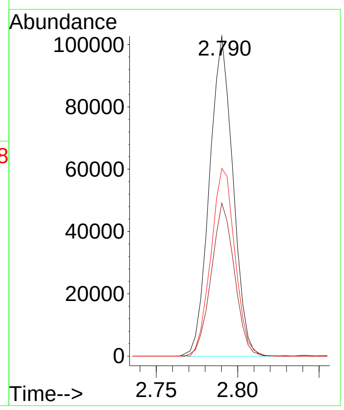
Tgt Ion: 49 Resp: 103144

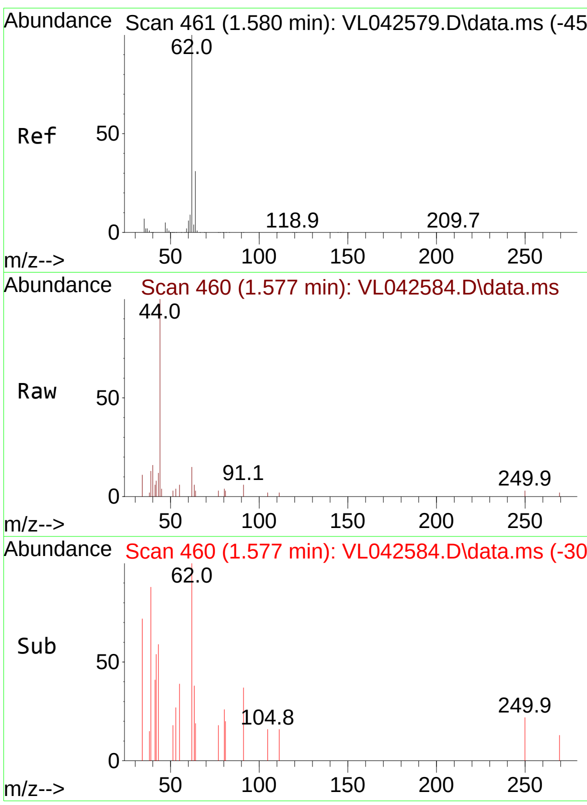
Ion	Ratio	Lower	Upper
49	100		
128	47.0	24.2	72.6
130	60.0	30.4	91.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

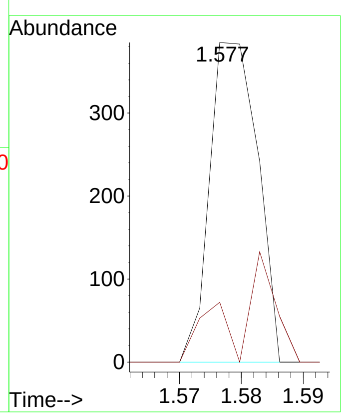


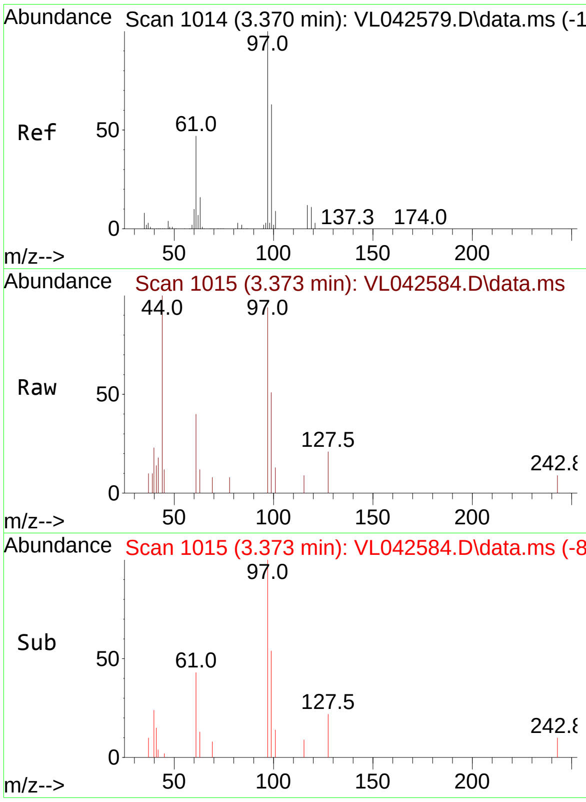


#5
Vinyl Chloride
Concen: 0.041 ppbv
RT: 1.577 min Scan# 460
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 62 Resp: 209

Ion	Ratio	Lower	Upper
62	100		
64	18.7	24.9	37.3#





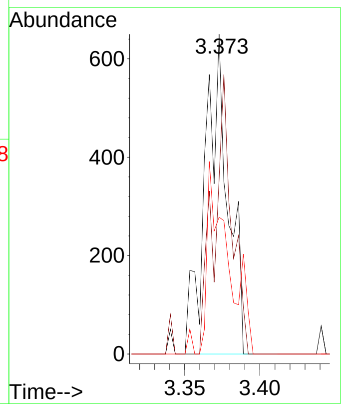
#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv m
RT: 3.373 min   Scan# 10
Delta R.T.   0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

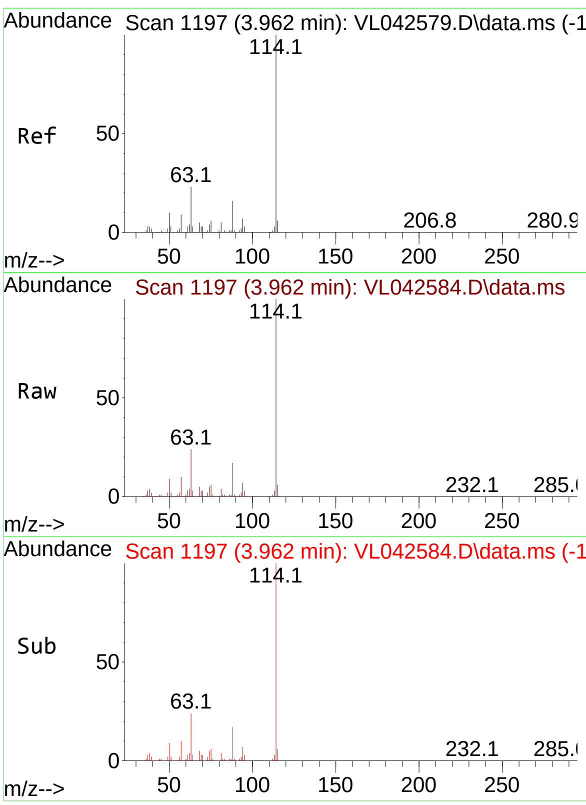
Tgt Ion: 97 Resp: 68

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	55.6	39.4	59.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

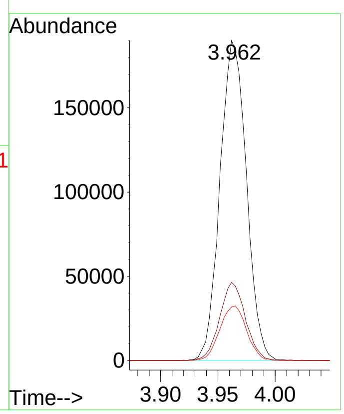


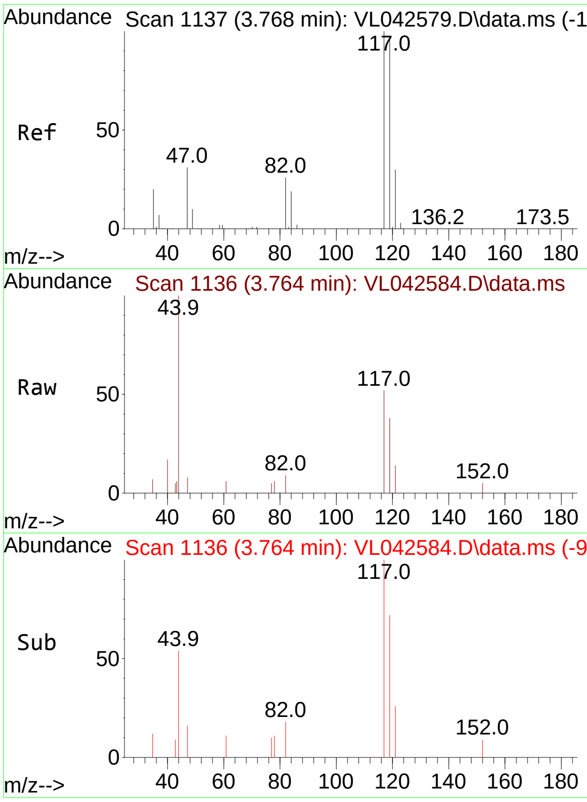


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min   Scan# 1197
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion:114 Resp: 305114

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.6
88	17.2	13.6	20.4





#35
Carbon Tetrachloride
Concen: 0.031 ppbv m
RT: 3.764 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

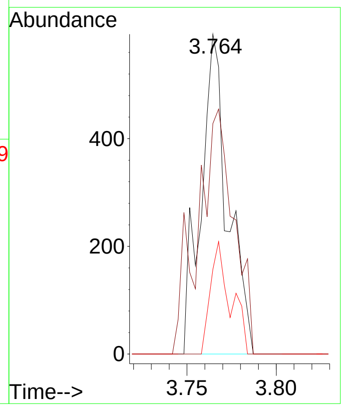
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

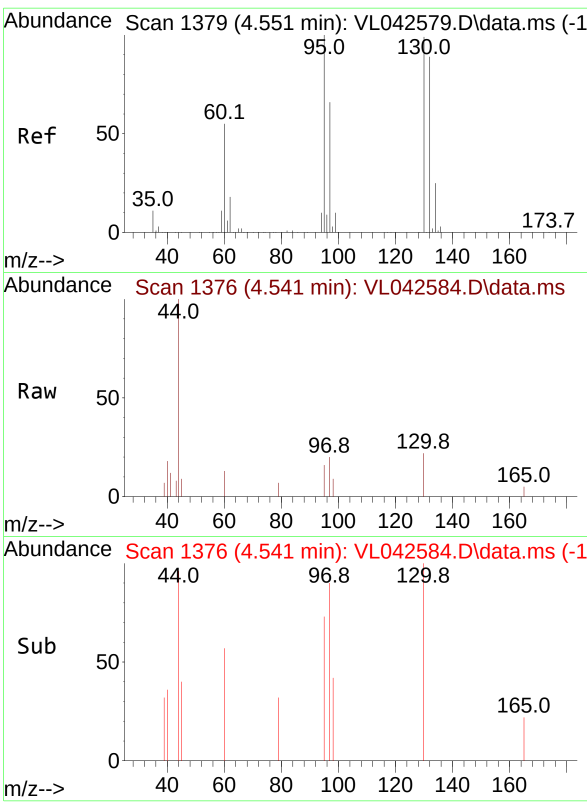
Tgt Ion:117 Resp: 62

Ion	Ratio	Lower	Upper
117	100		
119	72.1	76.8	115.2#
121	26.4	24.3	36.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

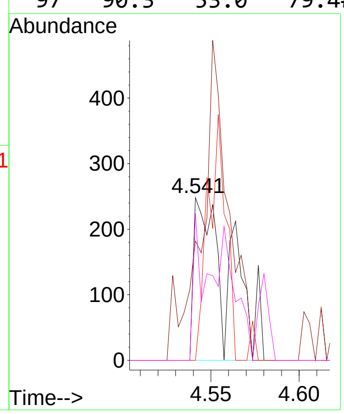


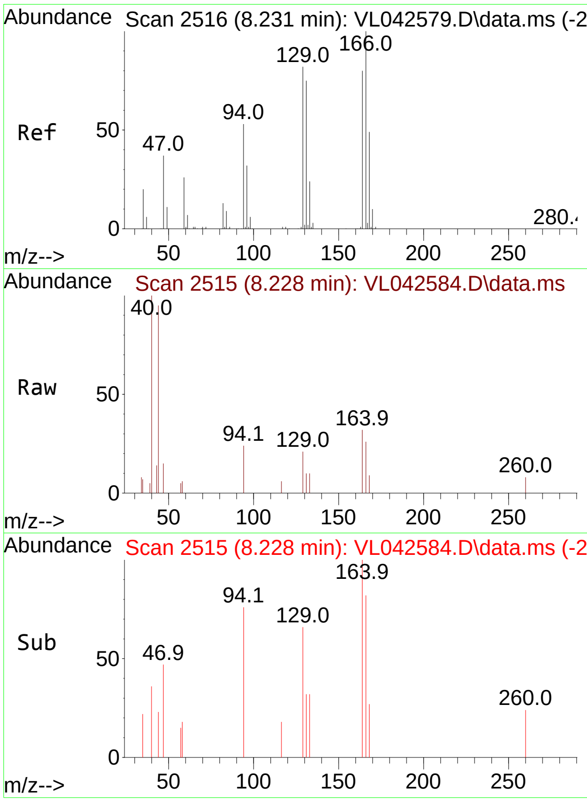


#38
Trichloroethene
Concen: 0.028 ppbv m
RT: 4.541 min   Scan# 1376
Delta R.T.   -0.010 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion:130 Resp: 356

Ion	Ratio	Lower	Upper
130	100		
95	73.4	80.6	121.0#
132	0.0	71.8	107.6#
97	90.3	53.0	79.4#





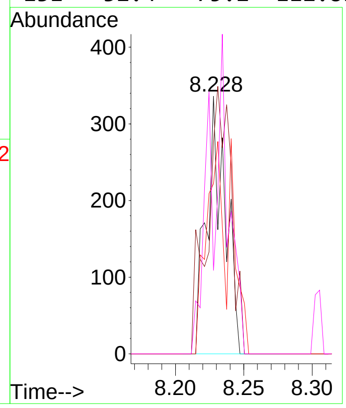
#52
Tetrachloroethene
Concen: 0.029 ppbv m
RT: 8.228 min Scan# 2!
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

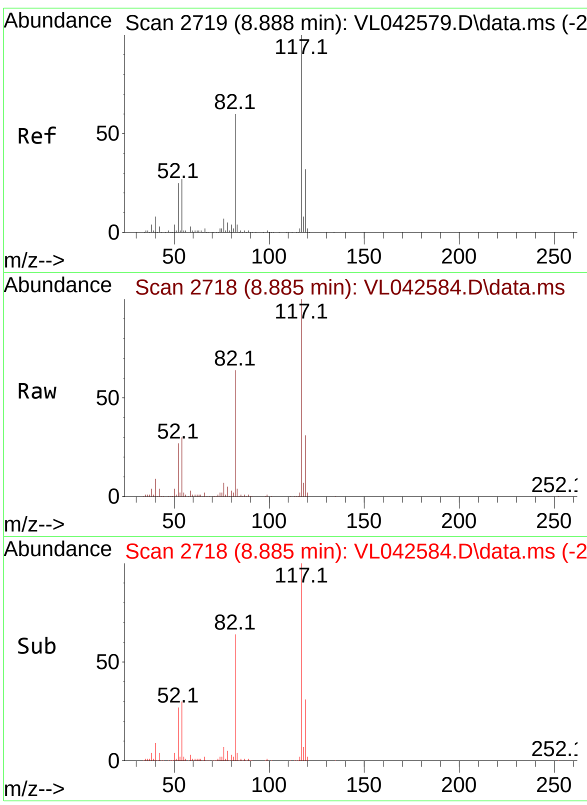
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:164 Resp: 32

Ion	Ratio	Lower	Upper
164	100		
166	82.1	100.0	150.0#
129	66.1	82.2	123.4#
131	32.4	75.2	112.8#

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

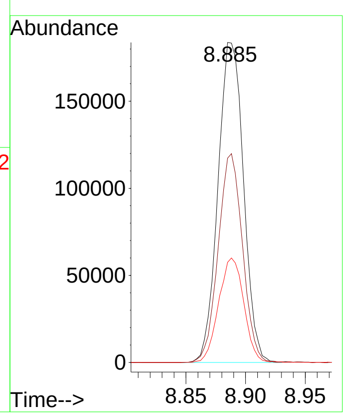


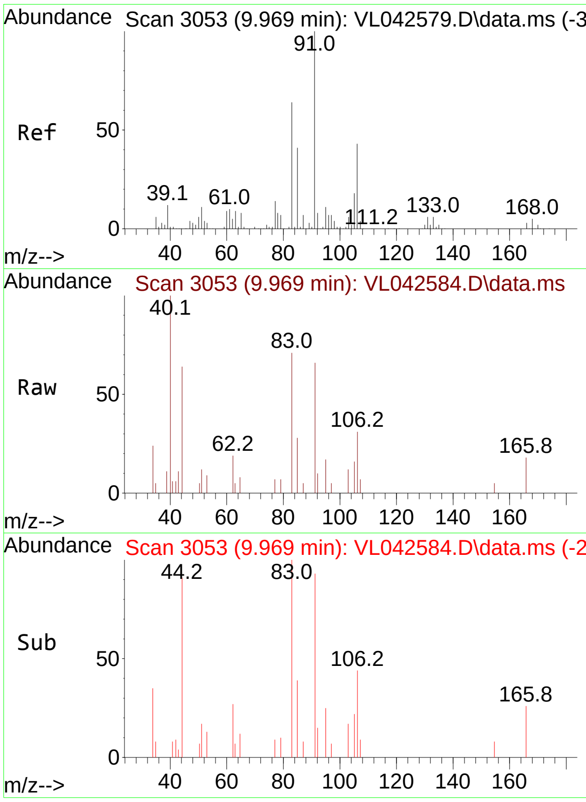


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:117 Resp: 273881

Ion	Ratio	Lower	Upper
117	100		
82	62.2	51.2	76.8
119	32.2	26.3	39.5





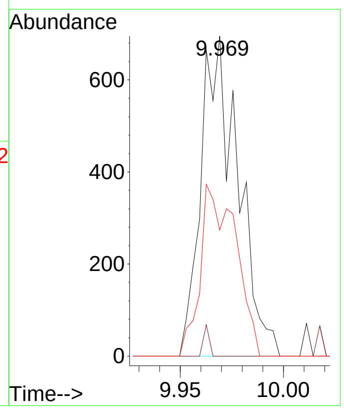
#63
1,1,2,2-Tetrachloroethane
Concen: 0.037 ppbv
RT: 9.969 min Scan# 3(
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

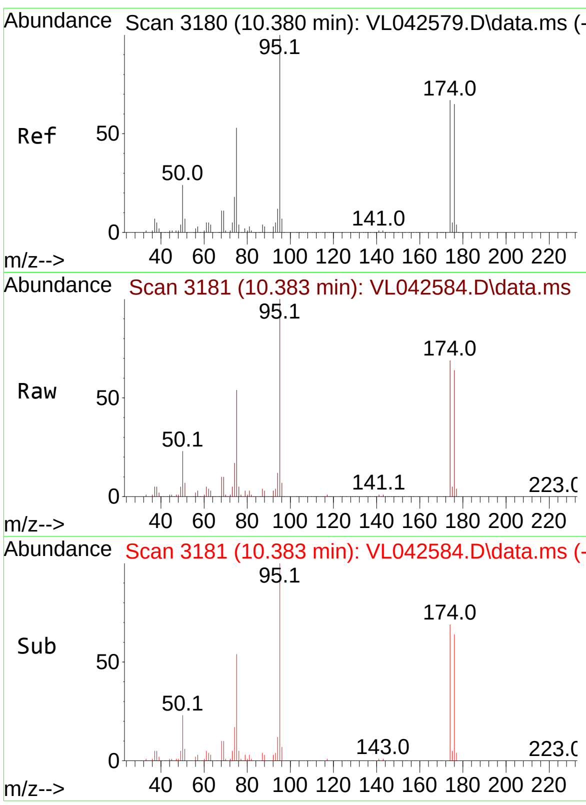
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 86(

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	51.4	32.5	97.4

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

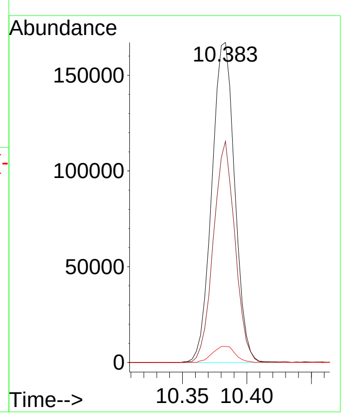




#68
1-Bromo-4-Fluorobenzene
Concen: 10.033 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 95 Resp: 205981

Ion	Ratio	Lower	Upper
95	100		
174	65.5	53.1	79.7
175	5.1	4.2	6.2



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 2
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
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

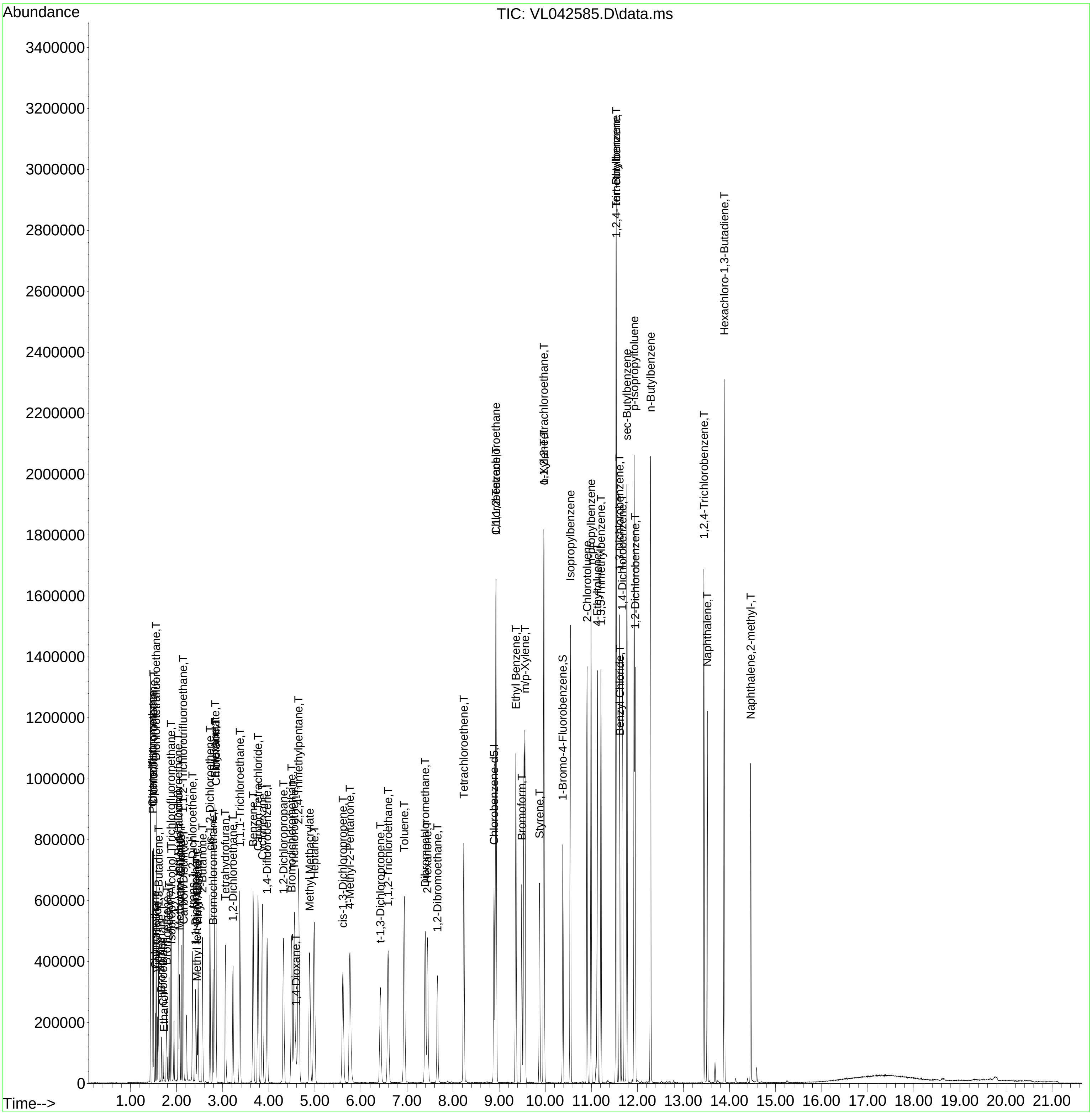
(#) = qualifier out of range (m) = manual integration (+) = signals summed

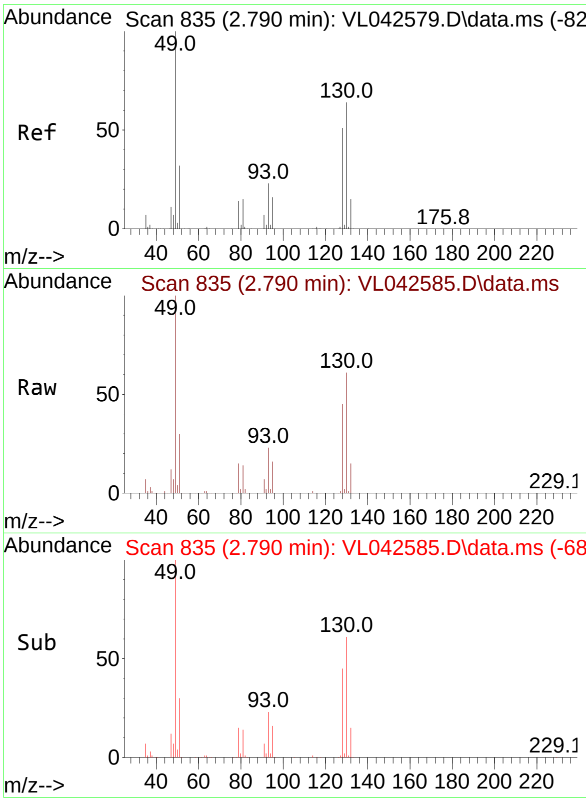
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042585.D
Acq On : 29 May 2025 14:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

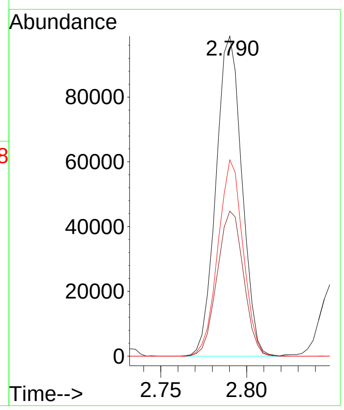
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

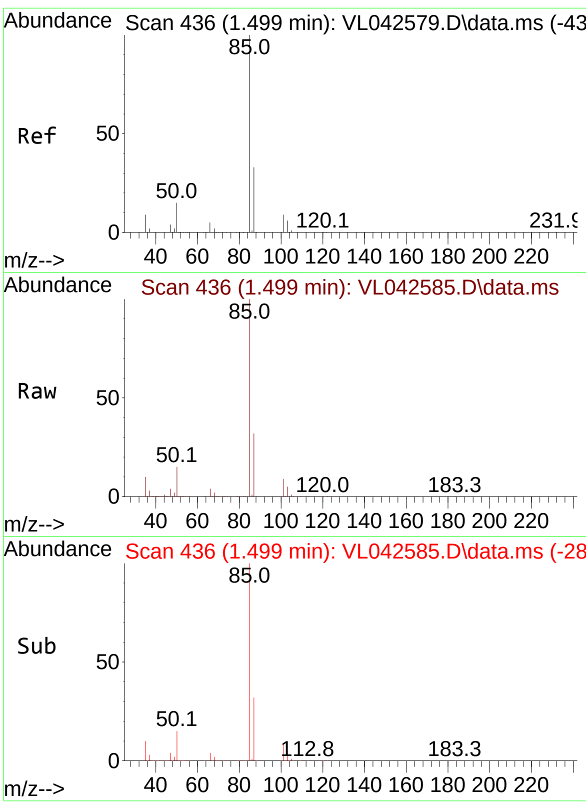
Tgt Ion: 49 Resp: 10390

Ion	Ratio	Lower	Upper
49	100		
128	46.1	24.2	72.6
130	59.5	30.4	91.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

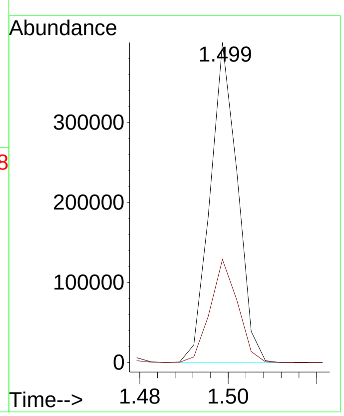


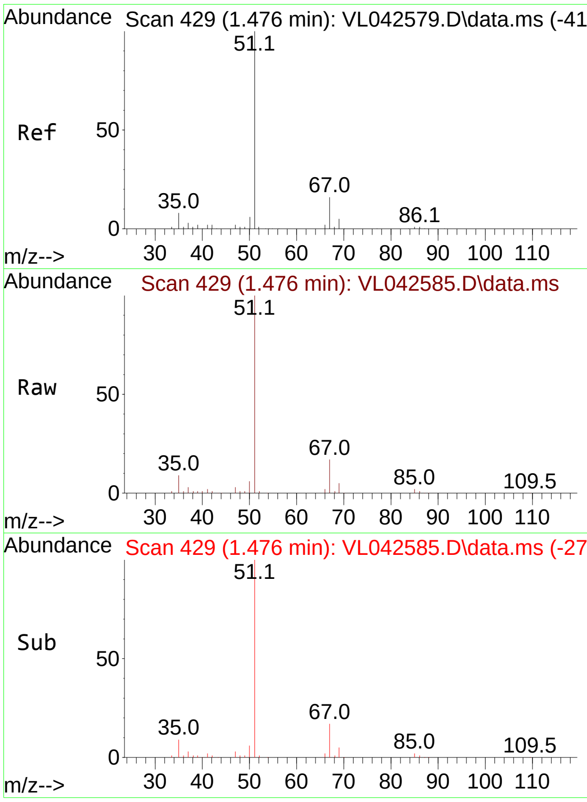


#2
Dichlorodifluoromethane
Concen: 13.432 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 85 Resp: 171529

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8





#3
Chlorodifluoromethane
Concen: 12.584 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

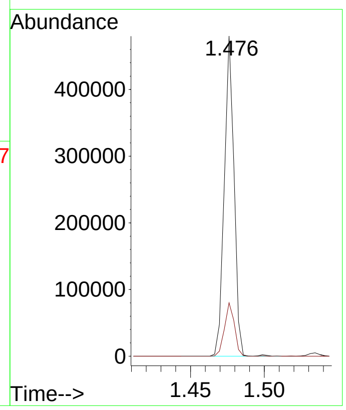
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

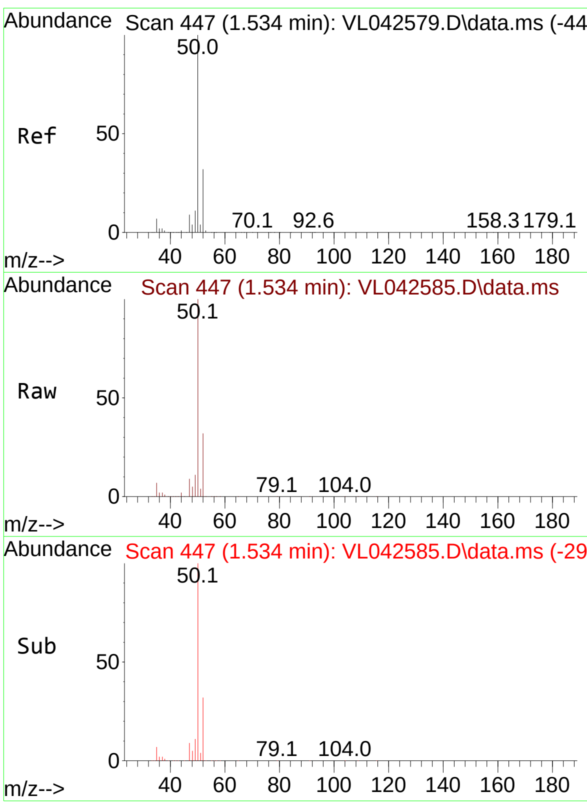
Tgt Ion: 51 Resp: 22133

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.4	20.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

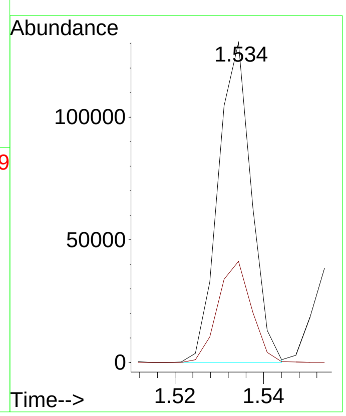


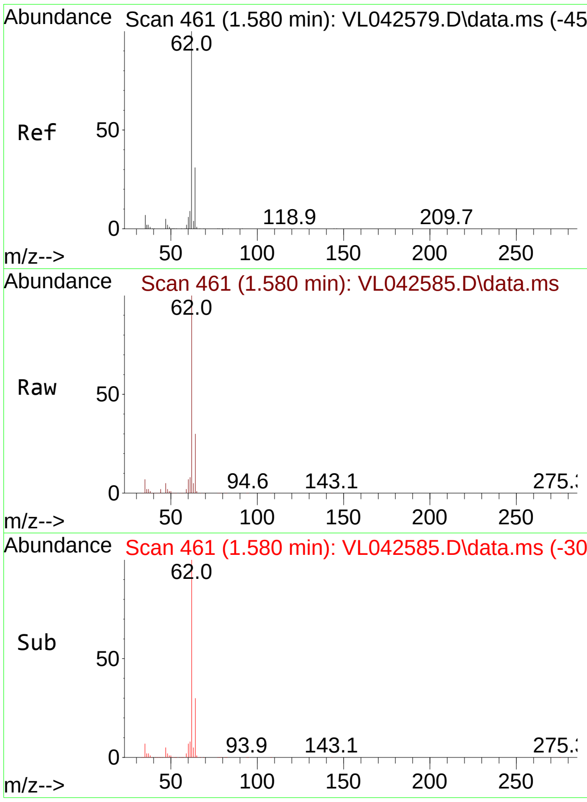


#4
Chloromethane
Concen: 13.380 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 50 Resp: 67662

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.8	38.6





#5
Vinyl Chloride
Concen: 12.373 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

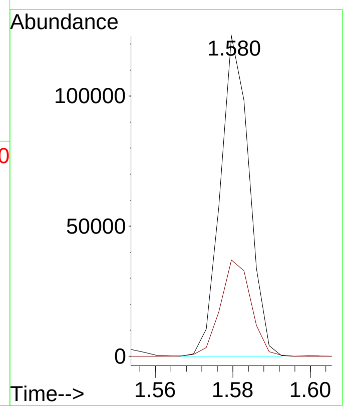
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

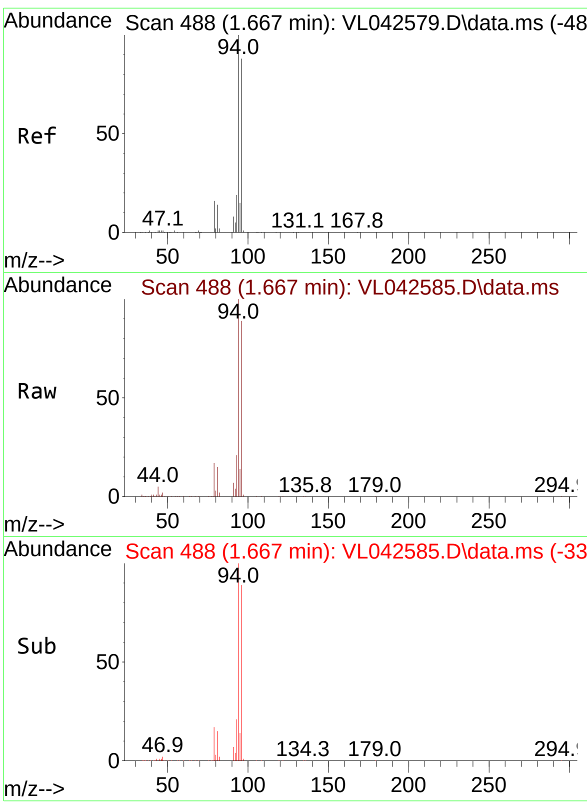
Tgt Ion: 62 Resp: 6373

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.9	37.3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

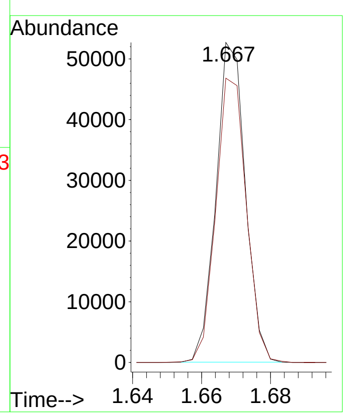


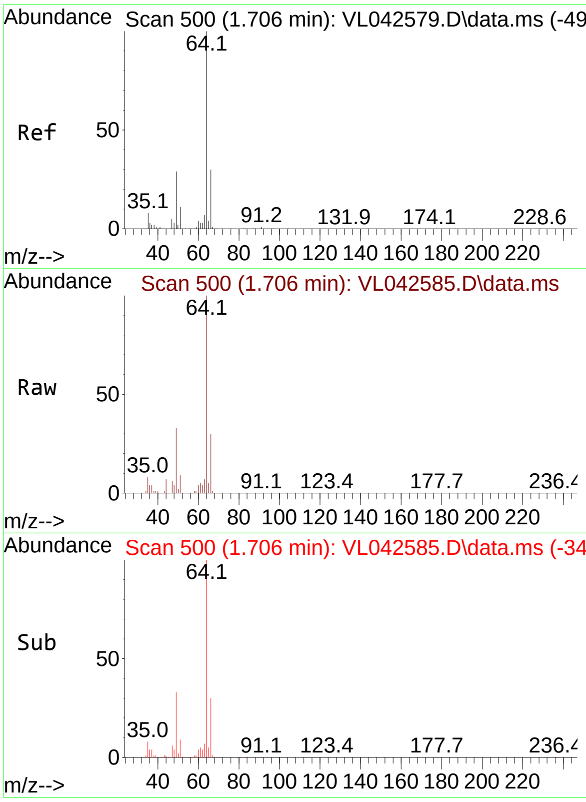


#6
Bromomethane
Concen: 12.420 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 94 Resp: 31141

Ion	Ratio	Lower	Upper
94	100		
96	88.7	70.7	106.1





#7
Chloroethane
Concen: 12.785 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 2559

Ion	Ratio	Lower	Upper
64	100		
66	30.2	24.3	36.5

Manual Integrations
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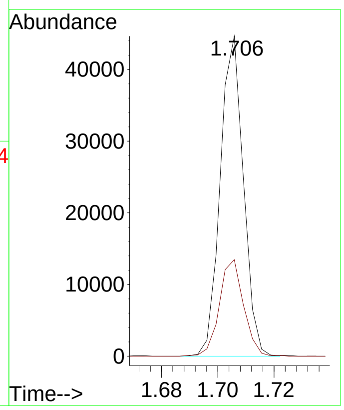
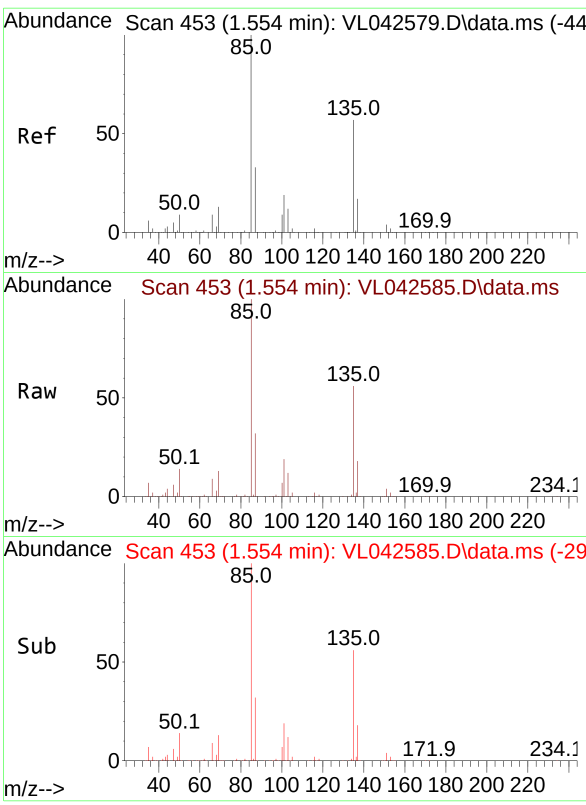
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

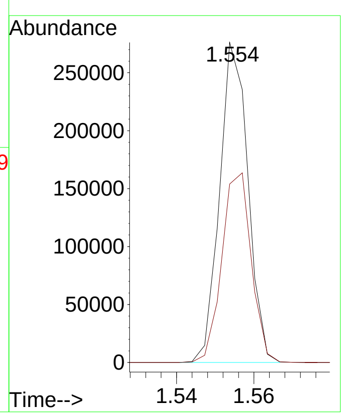


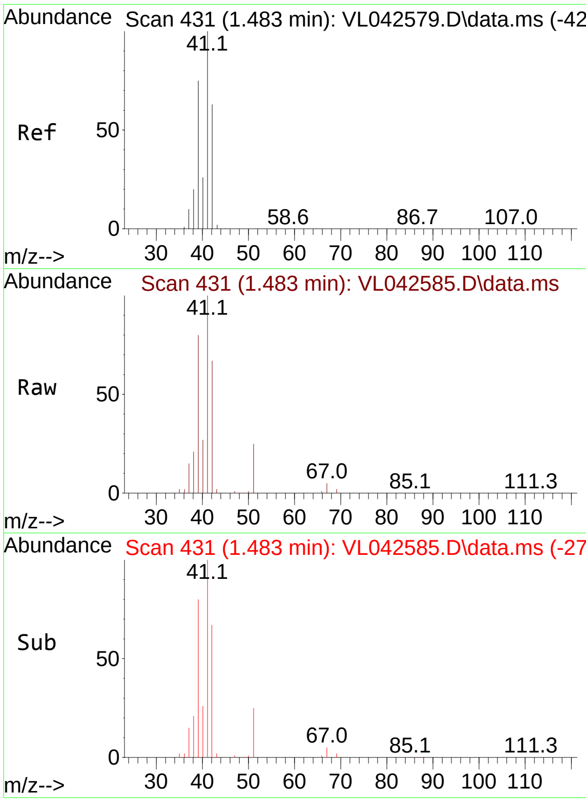


#8
Dichlorotetrafluoroethane
Concen: 13.189 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 85 Resp: 140345

Ion	Ratio	Lower	Upper
85	100		
135	61.7	50.2	75.4





#9
Propene
Concen: 13.181 ppbv
RT: 1.483 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

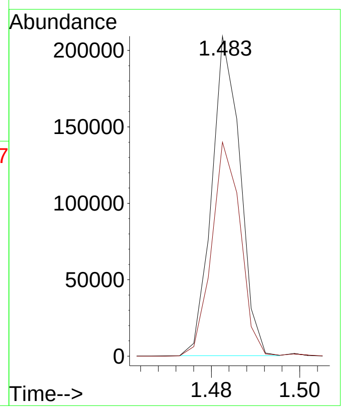
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

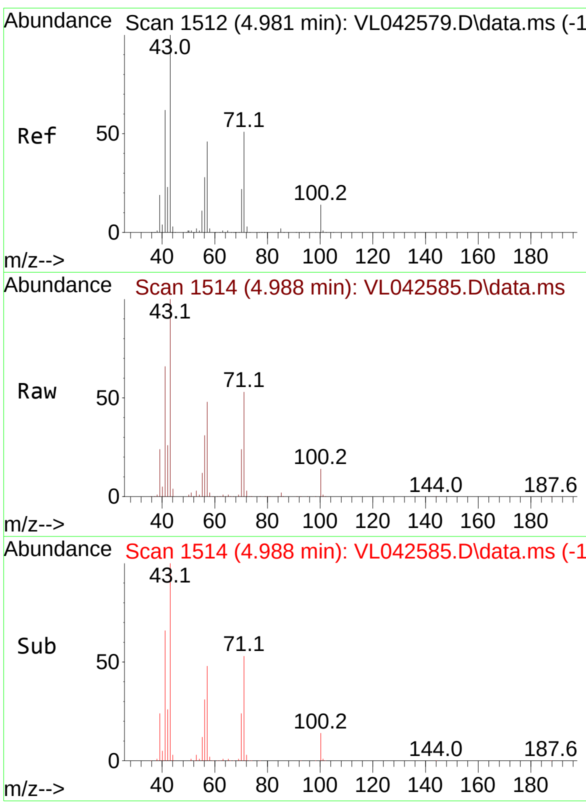
Tgt Ion: 41 Resp: 9335

Ion	Ratio	Lower	Upper
41	100		
42	68.6	53.3	79.9

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

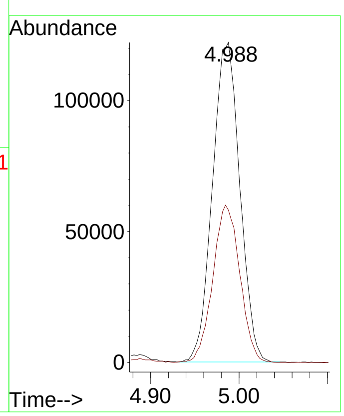


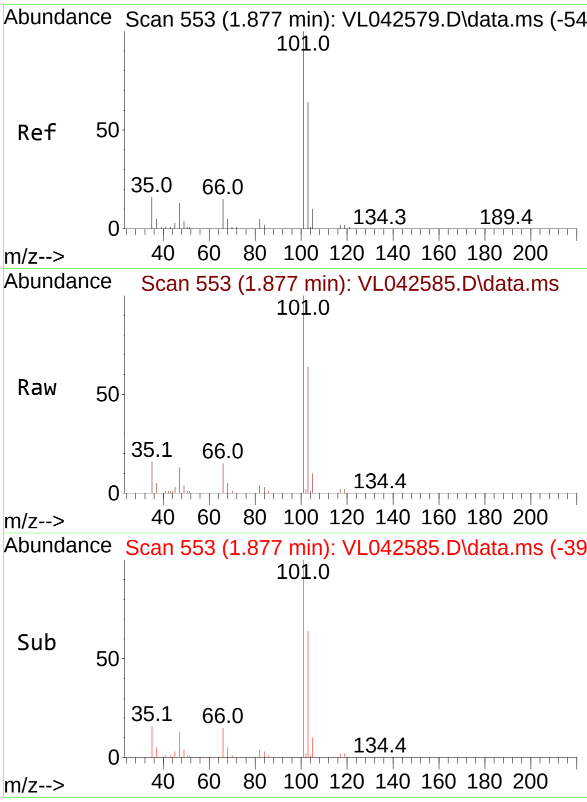


#10
Heptane
Concen: 13.165 ppbv
RT: 4.988 min   Scan# 1514
Delta R.T.   0.006 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 43 Resp: 263111

Ion	Ratio	Lower	Upper
43	100		
57	48.6	38.9	58.3





#11
Trichlorofluoromethane
Concen: 13.684 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

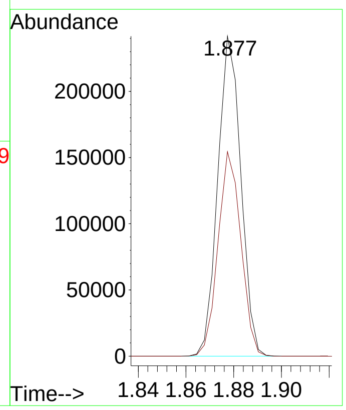
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

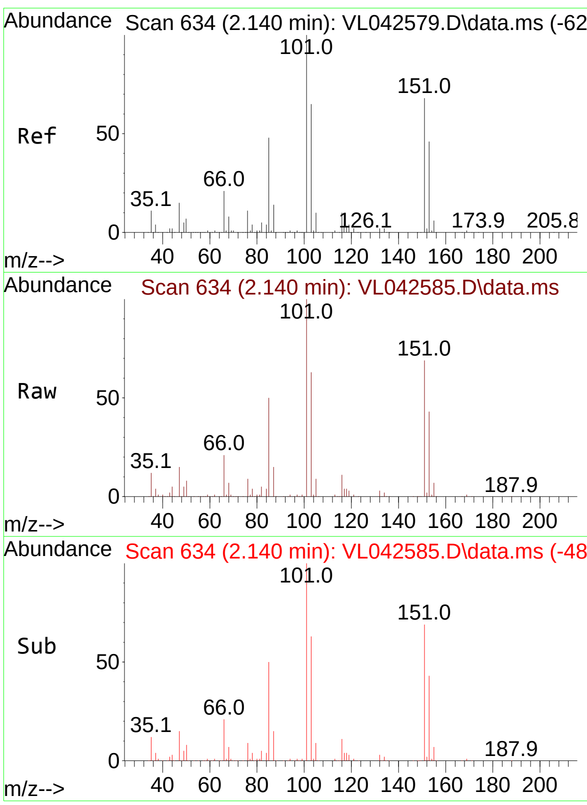
Tgt Ion:101 Resp: 16259

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.5	77.3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

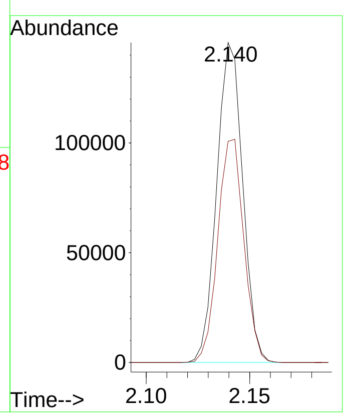


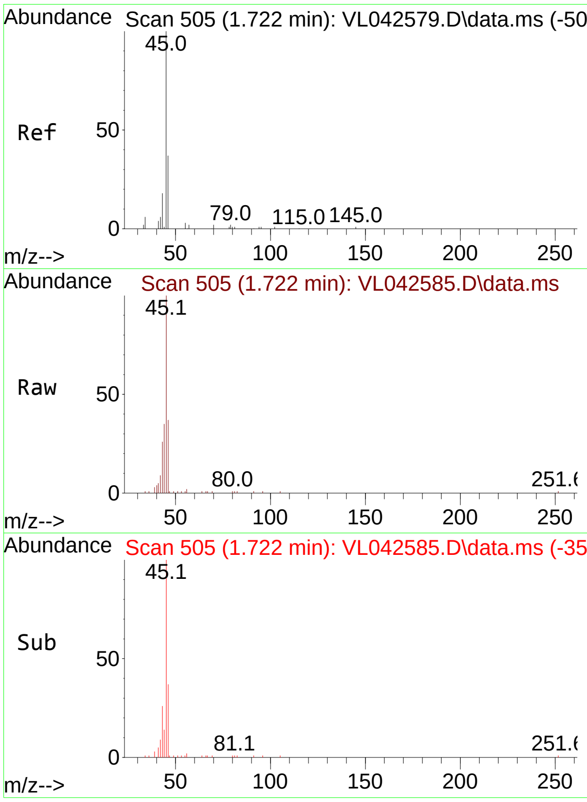


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.664 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:101 Resp: 127489

Ion	Ratio	Lower	Upper
101	100		
151	70.0	55.3	82.9





#13
Ethanol
Concen: 9.346 ppbv m
RT: 1.722 min   Scan# 50
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

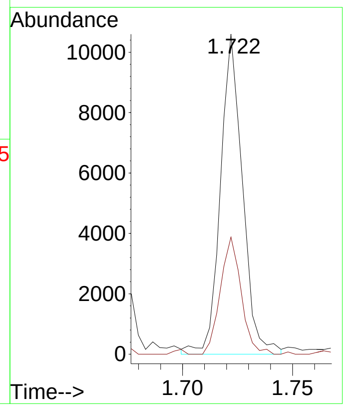
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

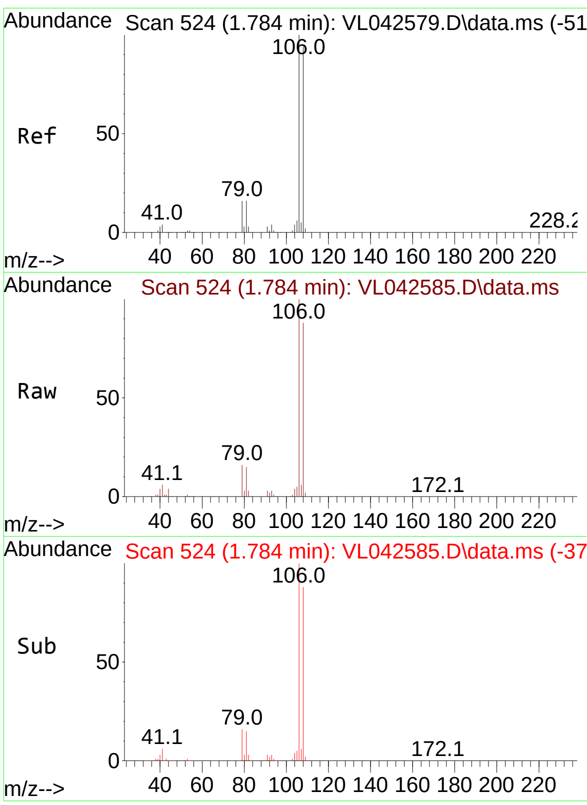
Tgt Ion: 45 Resp: 739

Ion	Ratio	Lower	Upper
45	100		
46	35.3	14.5	58.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

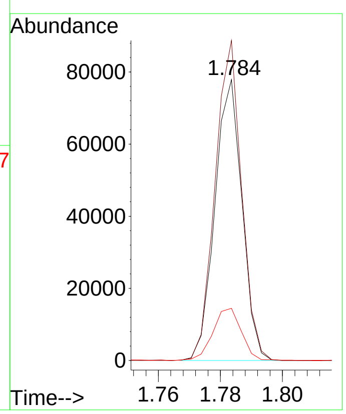


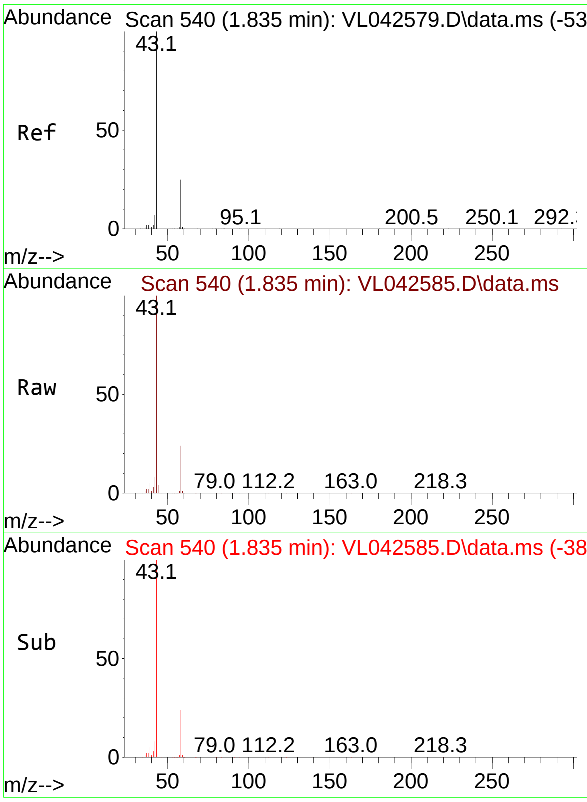


#14
Bromoethene
Concen: 13.501 ppbv
RT: 1.784 min   Scan# 524
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion:108 Resp: 47382

Ion	Ratio	Lower	Upper
108	100		
106	110.7	87.9	131.9
79	19.8	15.6	23.4





#15
Acetone
Concen: 11.302 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 14146

Ion	Ratio	Lower	Upper
43	100		
58	25.0	21.0	31.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/30/2025
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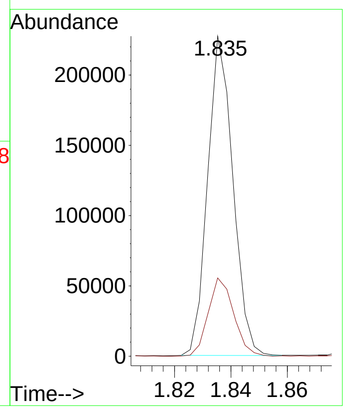
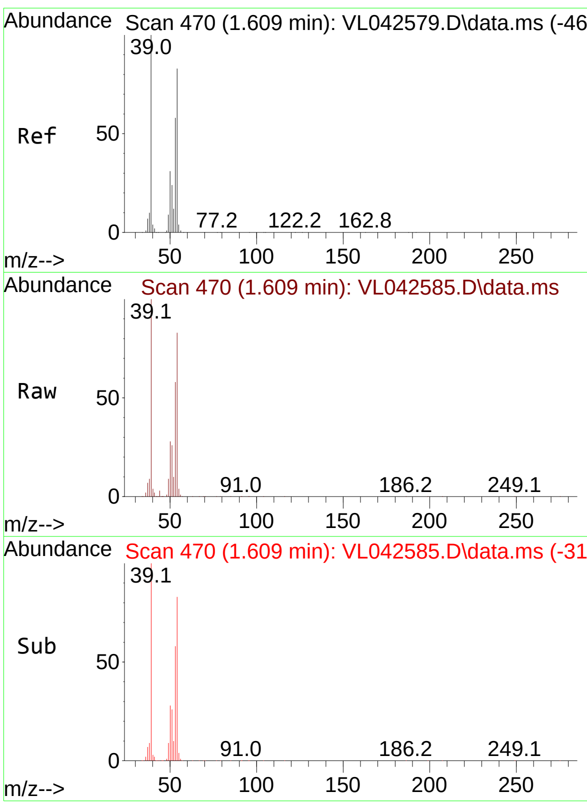
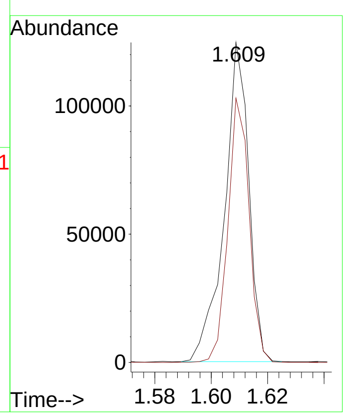


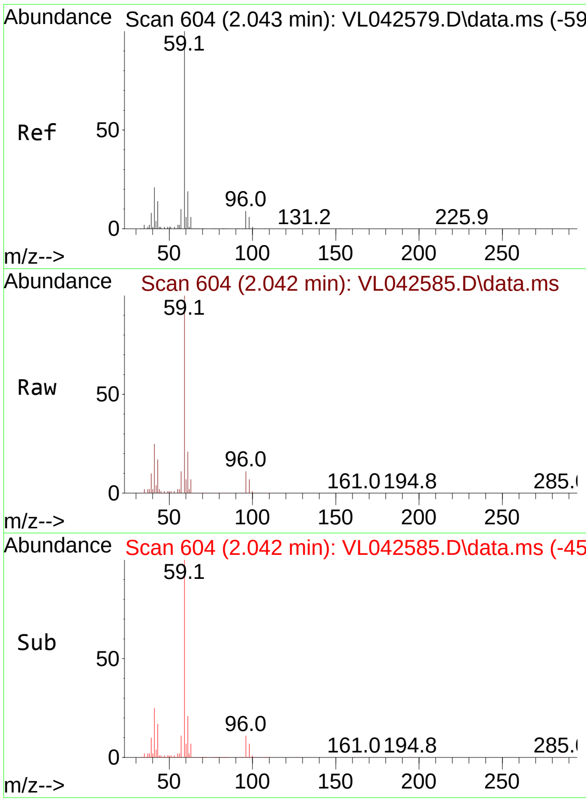


#16
1,3-Butadiene
Concen: 12.607 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 39 Resp: 74743

Ion	Ratio	Lower	Upper
39	100		
54	72.1	57.9	86.9





#17
tert-Butyl alcohol
Concen: 13.002 ppbv
RT: 2.042 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 16953

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

Manual Integrations
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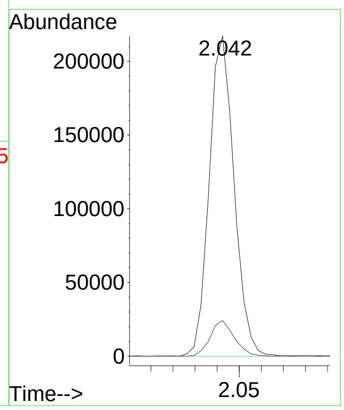
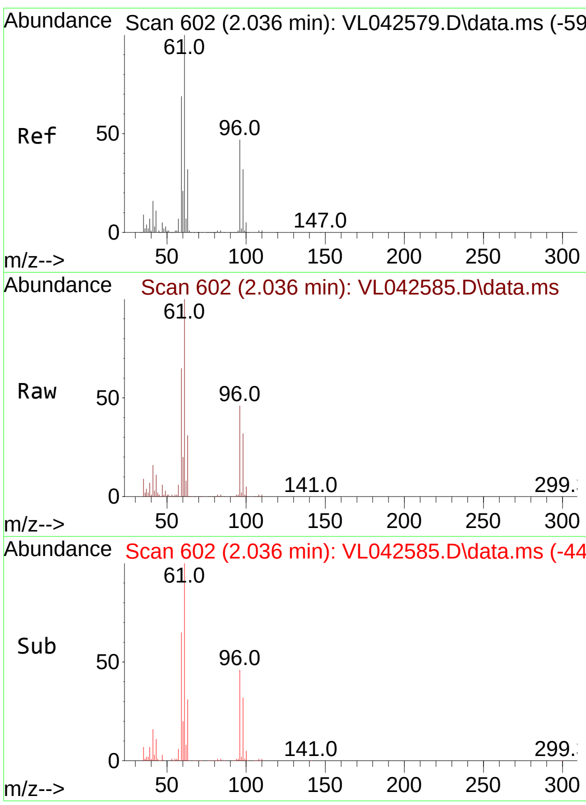
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

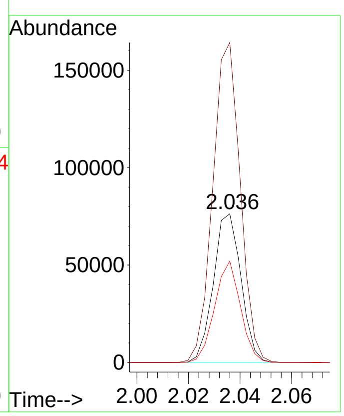


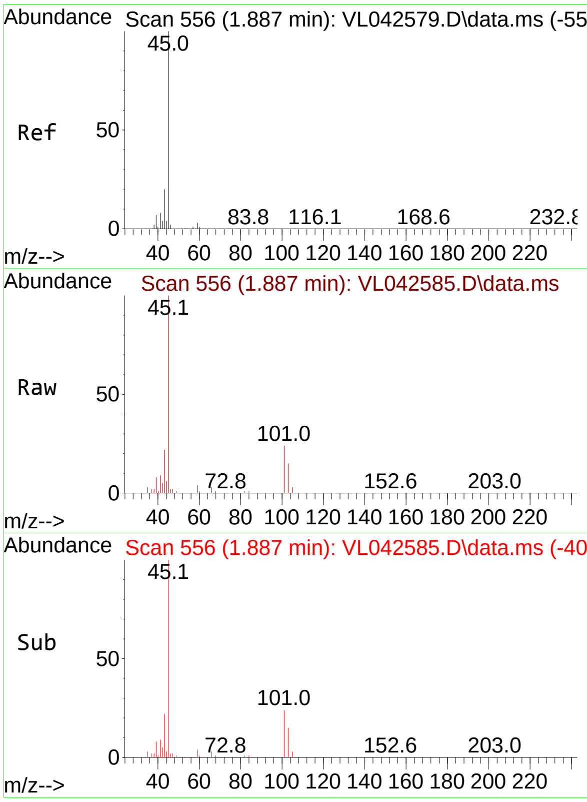


#18
1,1-Dichloroethene
Concen: 13.085 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 96 Resp: 56808

Ion	Ratio	Lower	Upper
96	100		
61	215.1	171.1	256.7
98	68.1	54.4	81.6





#19
Isopropyl Alcohol
Concen: 12.351 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 9240

Ion	Ratio	Lower	Upper
45	100		
58	38.2	29.4	44.2

Manual Integrations
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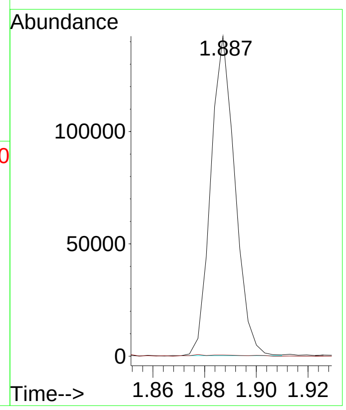
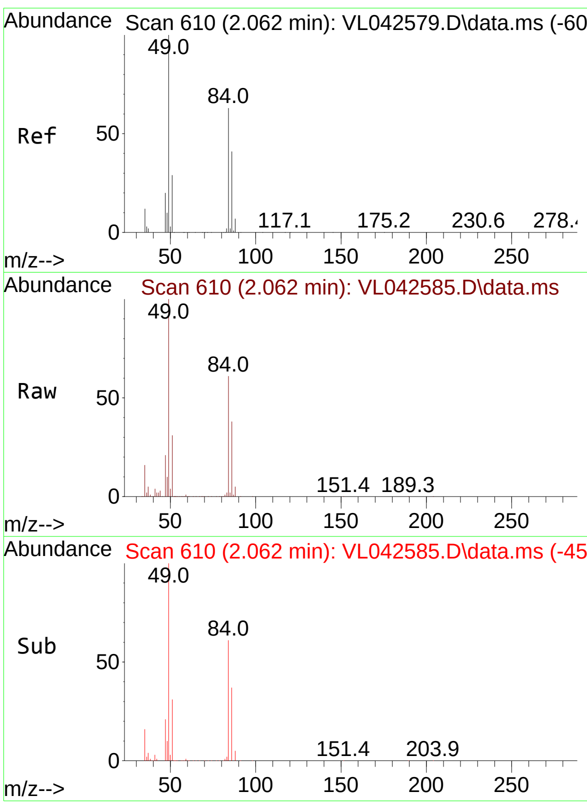
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

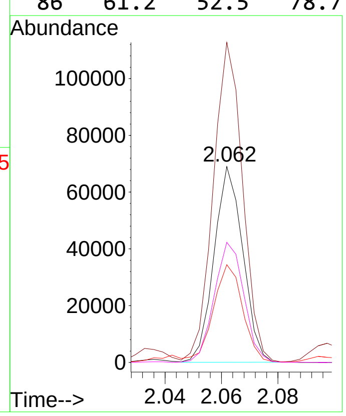


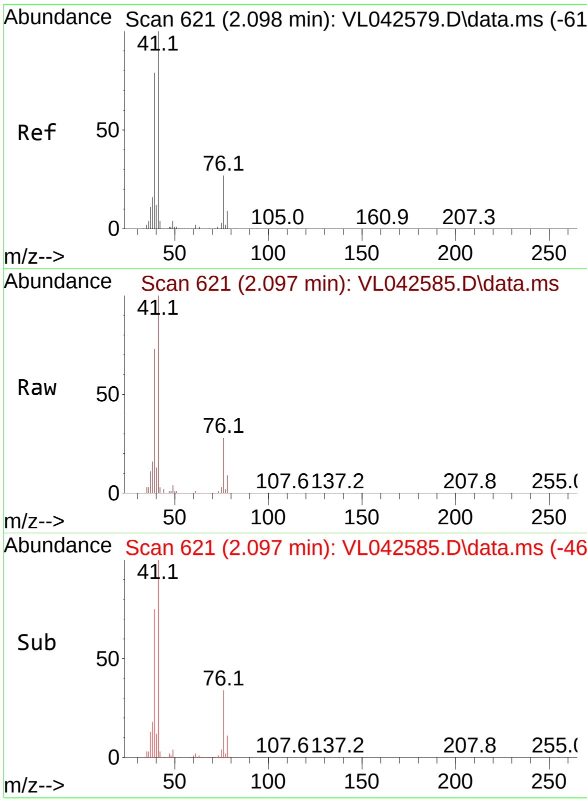


#20
Methylene Chloride
Concen: 11.830 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 84 Resp: 48862

Ion	Ratio	Lower	Upper
84	100		
49	163.3	128.8	193.2
51	49.6	38.6	57.8
86	61.2	52.5	78.7





#21
Allyl Chloride
Concen: 13.223 ppbv
RT: 2.097 min   Scan# 6
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

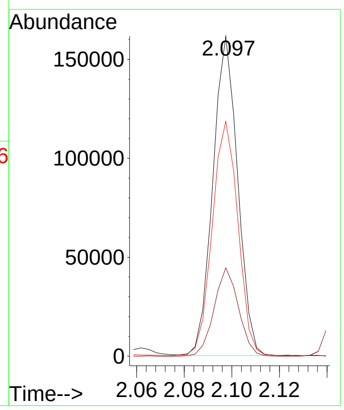
Tgt Ion: 41 Resp: 11677

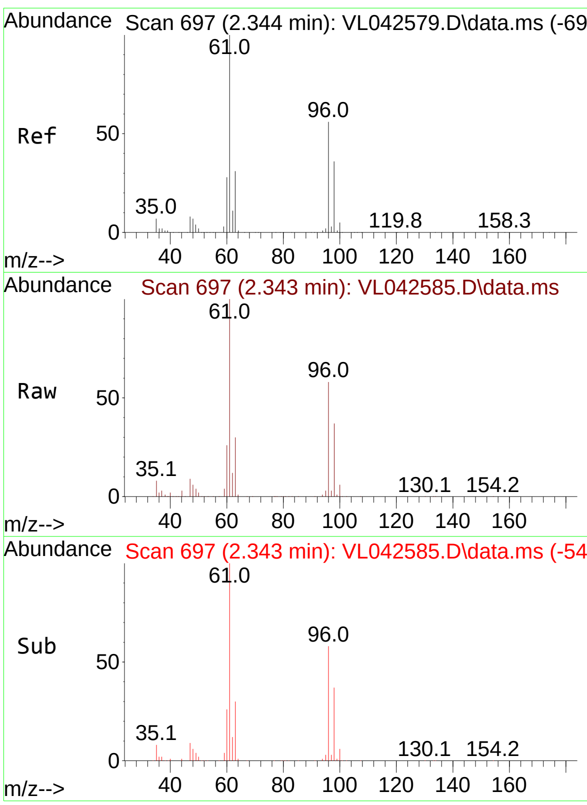
Ion	Ratio	Lower	Upper
41	100		
76	27.2	21.2	31.8
39	76.1	60.9	91.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

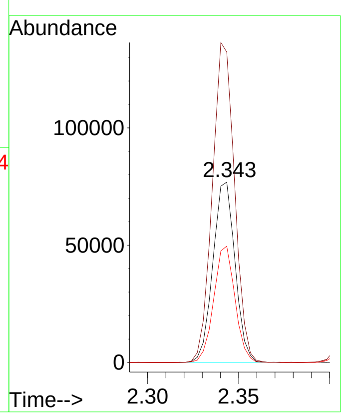


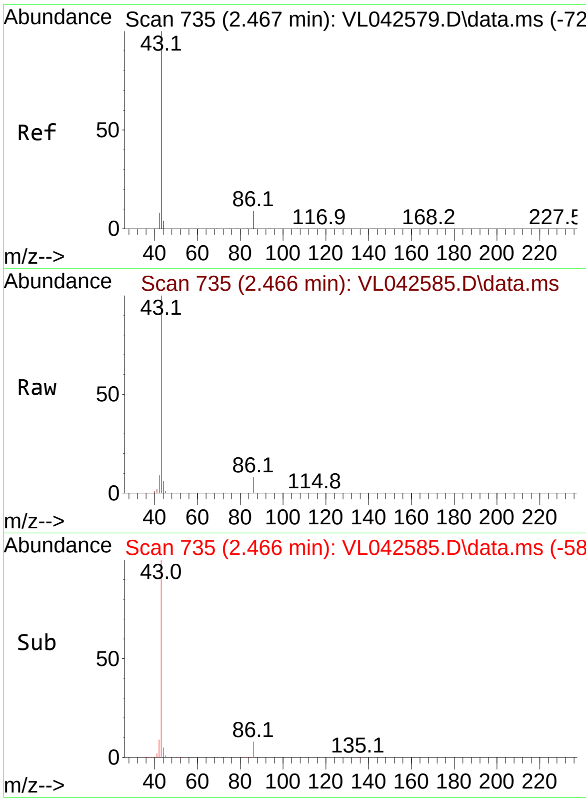


#22
trans-1,2-Dichloroethene
Concen: 13.441 ppbv
RT: 2.343 min   Scan# 697
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 96 Resp: 65132

Ion	Ratio	Lower	Upper
96	100		
61	172.1	142.6	214.0
98	64.3	51.0	76.4





#23
Vinyl Acetate
Concen: 14.594 ppbv
RT: 2.466 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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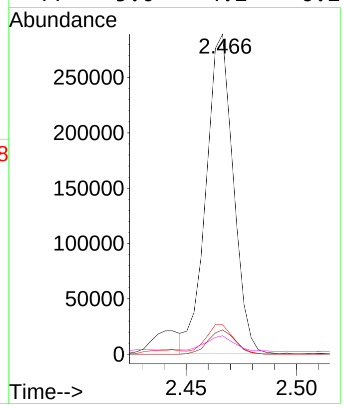
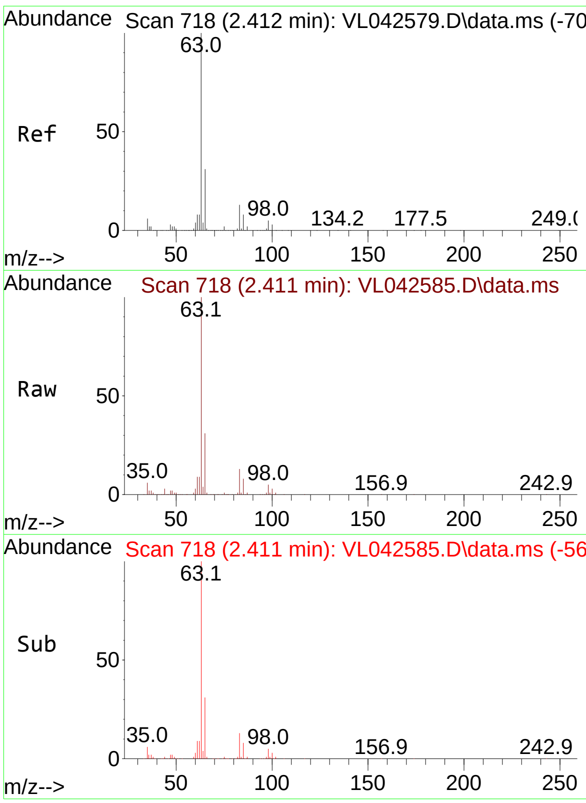
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion: 43 Resp: 24690

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	9.2	7.0	10.4
44	5.0	4.2	6.2

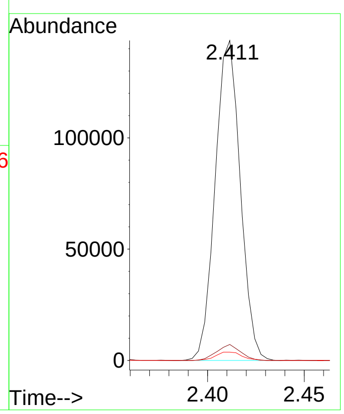


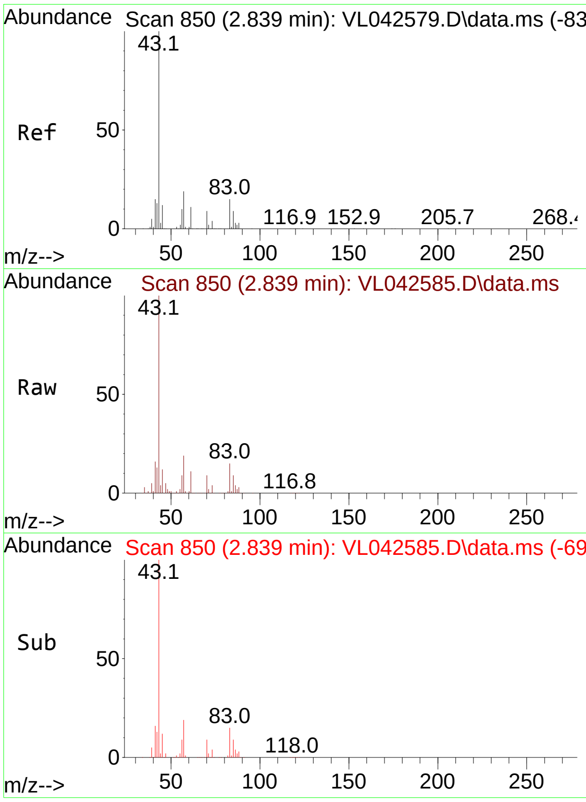


#24
1,1-Dichloroethane
Concen: 13.067 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 63 Resp: 129870

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.1
100	2.6	1.4	4.0





#25
Ethyl Acetate
Concen: 13.352 ppbv
RT: 2.839 min Scan# 8!
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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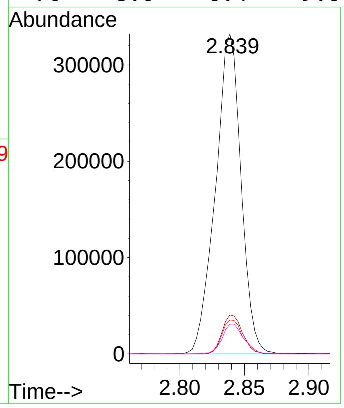
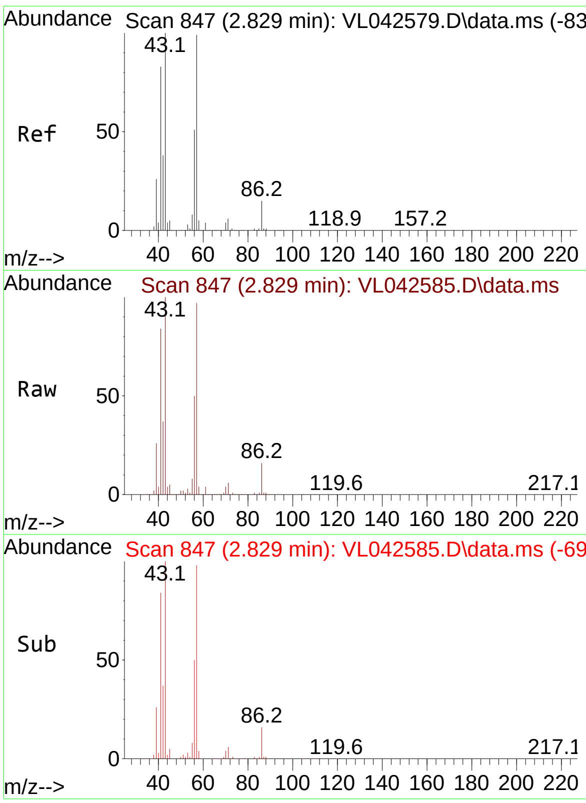
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion: 43 Resp: 45732

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.2	12.2
61	8.7	7.1	10.7
70	8.0	6.4	9.6

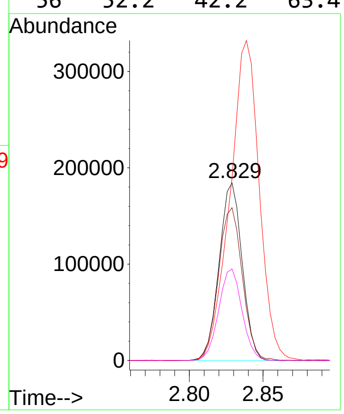


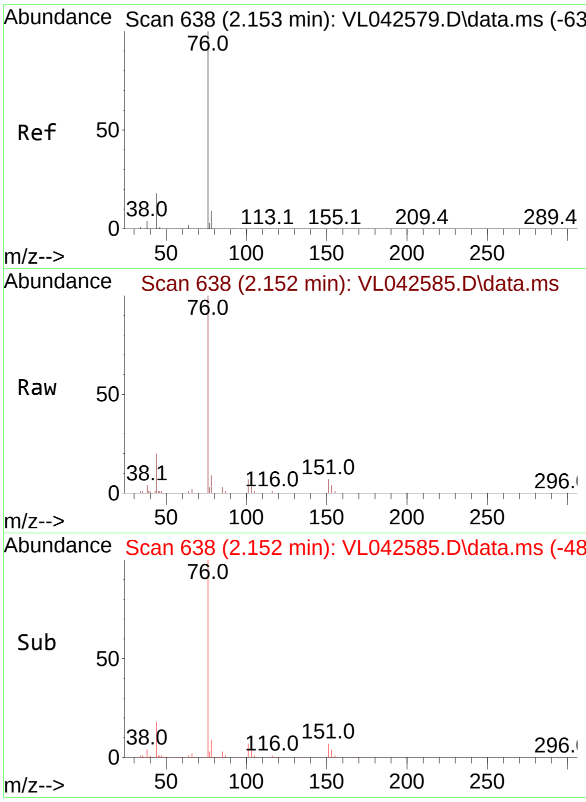


#26
Hexane
Concen: 12.876 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 57 Resp: 200386

Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.6	106.0
43	229.1	181.1	271.7
56	52.2	42.2	63.4





#27
Carbon Disulfide
Concen: 13.571 ppbv
RT: 2.152 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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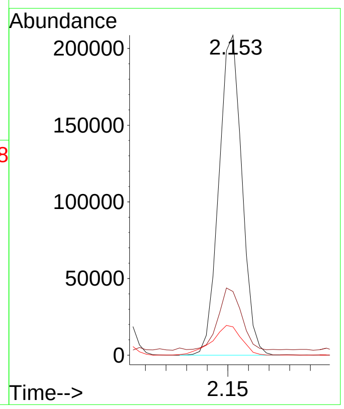
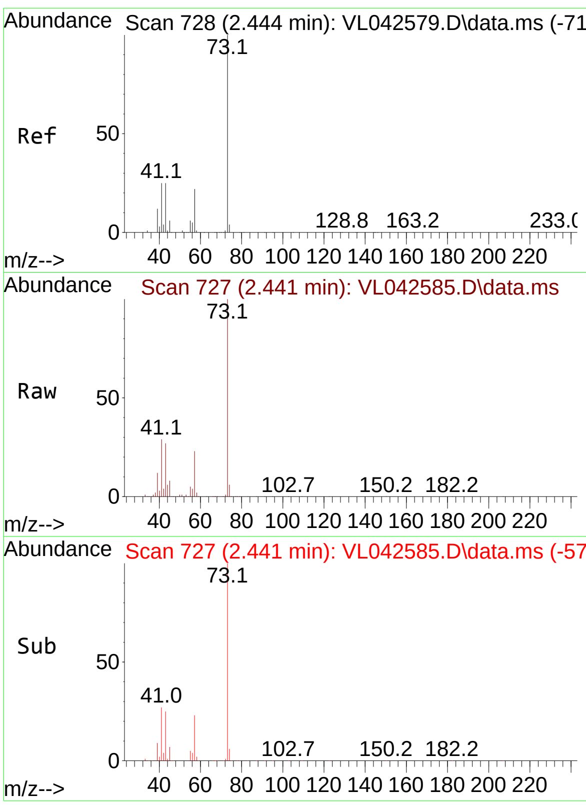
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion: 76 Resp: 16214

Ion	Ratio	Lower	Upper
76	100		
44	23.4	21.3	31.9
78	11.9	9.4	14.0

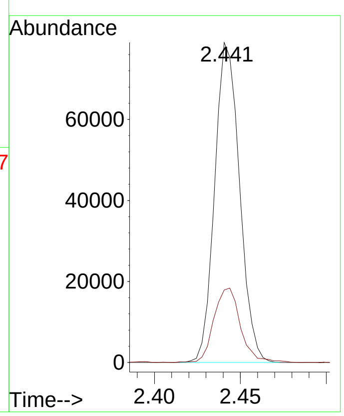


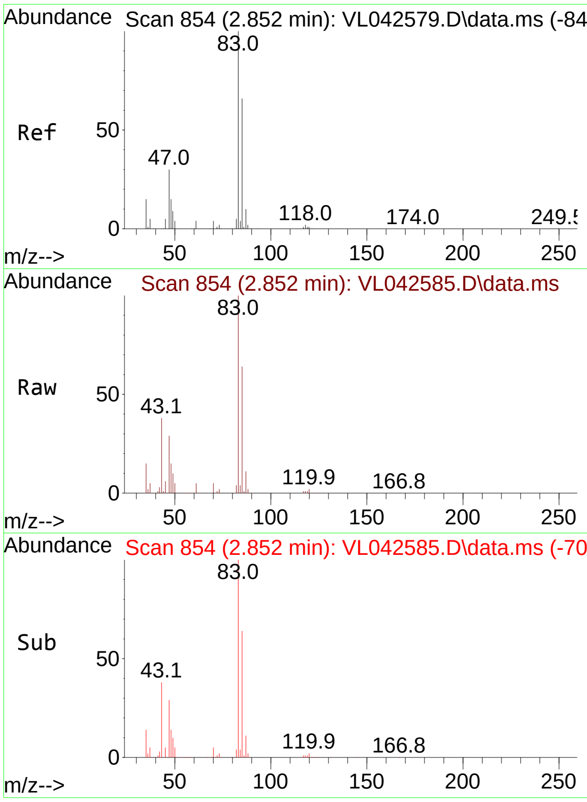


#28
Methyl tert-Butyl Ether
Concen: 12.608 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 73 Resp: 79625

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.9	29.9





```
#29
Chloroform
Concen:   13.328 ppbv
RT:   2.852 min  Scan# 8
Delta R.T.  -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025  14:24

Tgt Ion: 83 Resp:  26975
Ion  Ratio  Lower  Upper
 83  100
 85   64.3   52.8   79.2
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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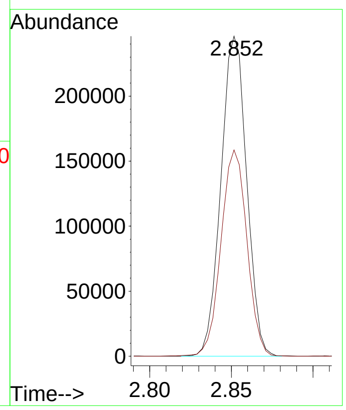
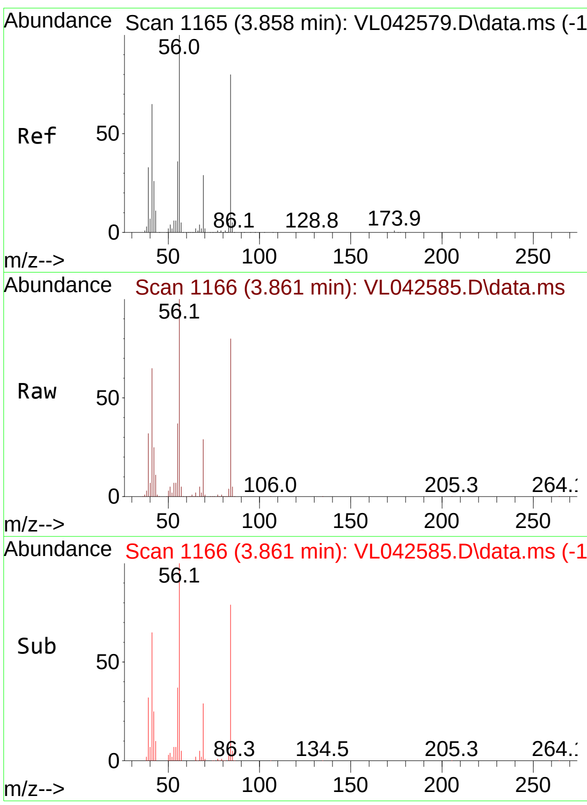
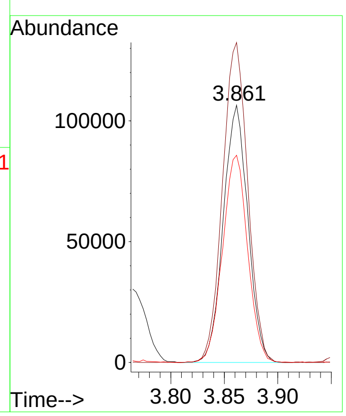
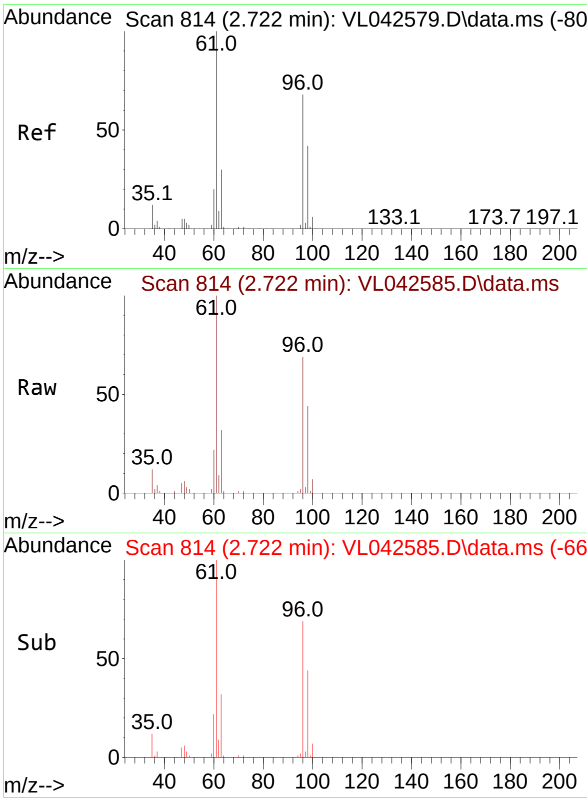




```
#30
Cyclohexane
Concen:   13.196 ppbv
RT:   3.861 min  Scan# 1166
Delta R.T.  0.003 min
Lab File:   VL042585.D
Acq: 29 May 2025  14:24

Tgt Ion: 84 Resp:  170261
Ion  Ratio  Lower  Upper
 84  100
 56  127.6  103.7  155.5
 41   82.4   65.1   97.7
```





#31
cis-1,2-Dichloroethene
Concen: 13.526 ppbv
RT: 2.722 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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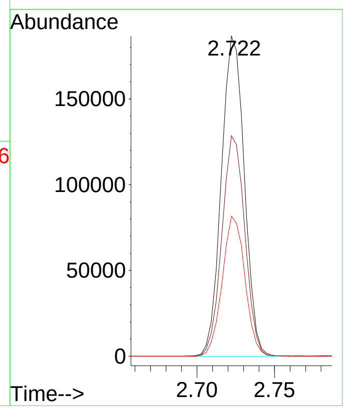
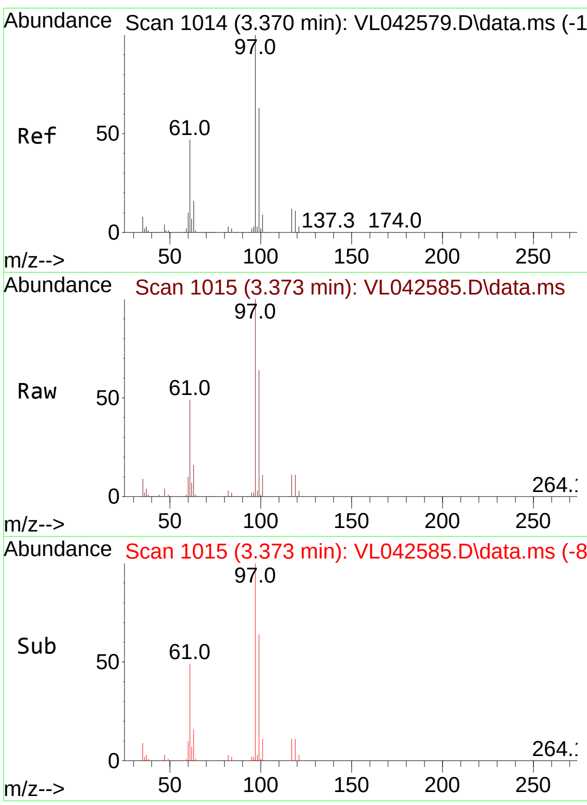
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion: 61 Resp: 19256

Ion	Ratio	Lower	Upper
61	100		
96	68.9	54.5	81.7
98	43.8	33.4	50.2

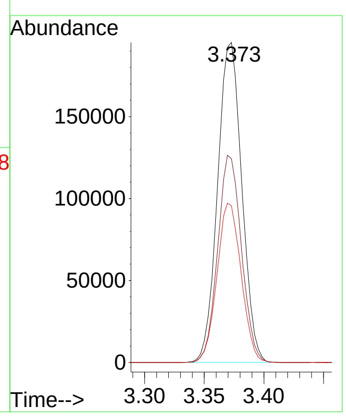


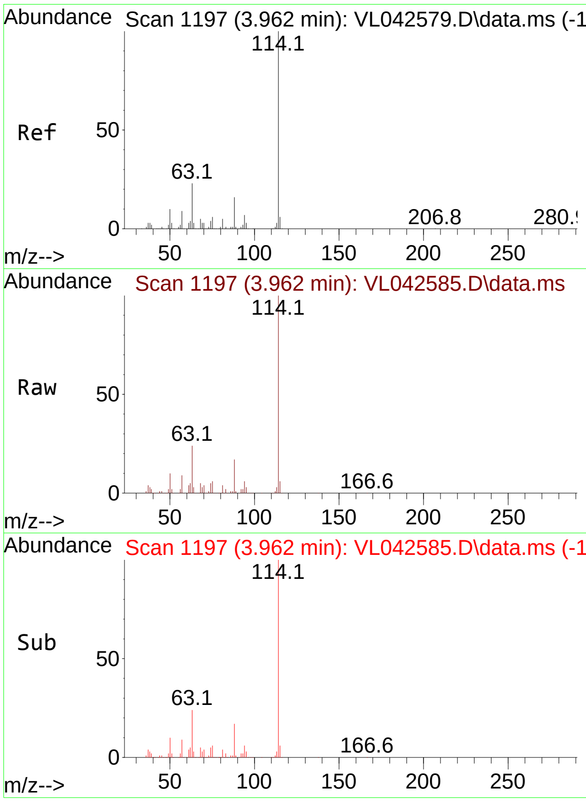


#32
1,1,1-Trichloroethane
Concen: 13.591 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 97 Resp: 276026

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	49.6	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 30179

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.0	28.6
88	17.4	13.6	20.4

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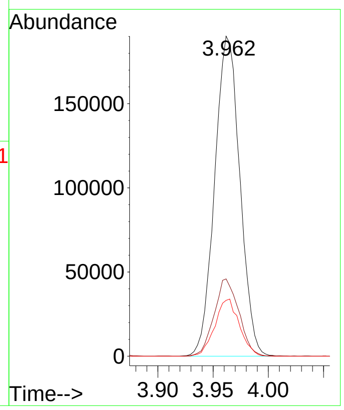
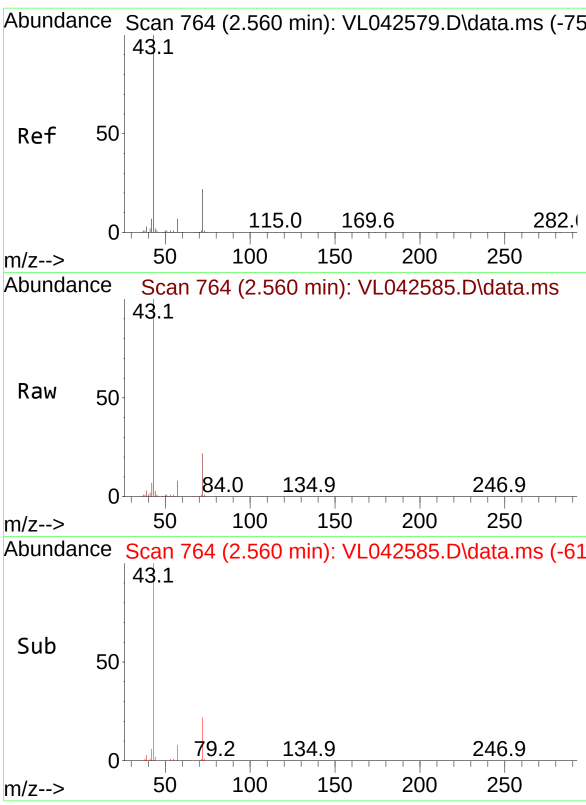
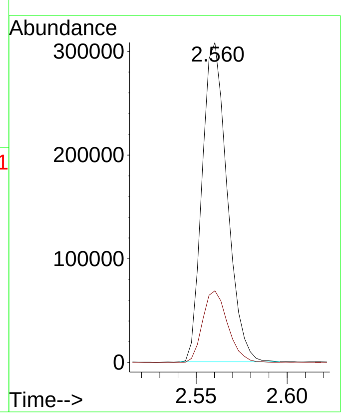


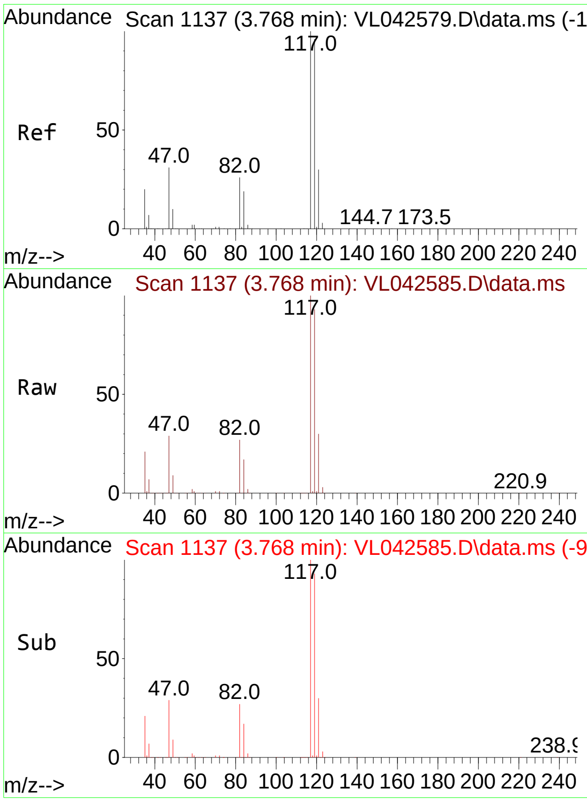


#34
2-Butanone
Concen: 13.689 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 294628

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5





#35
Carbon Tetrachloride
Concen: 13.903 ppbv
RT: 3.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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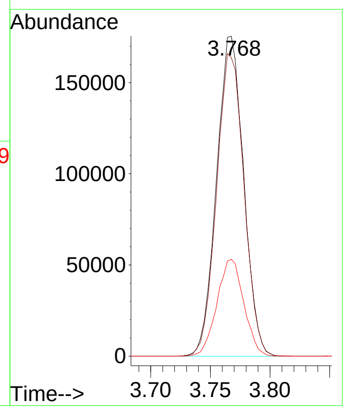
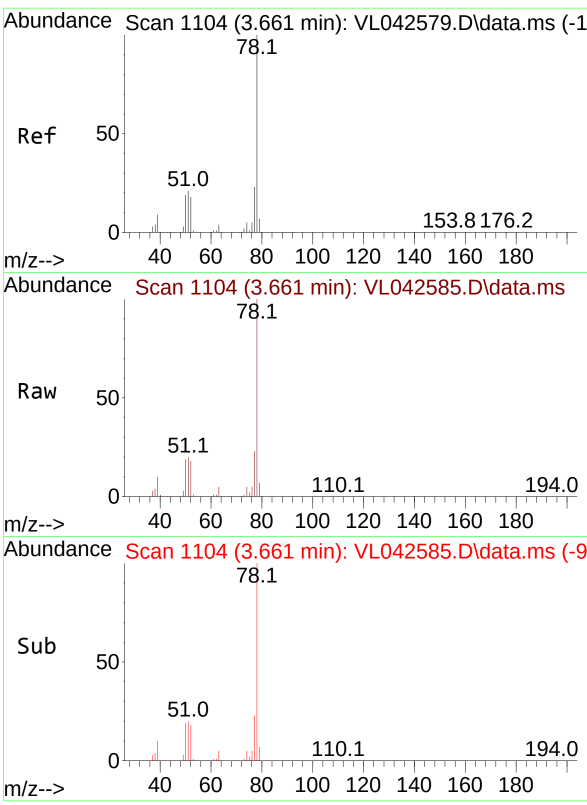
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion:117 Resp: 27704

Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.8	115.2
121	30.3	24.3	36.5

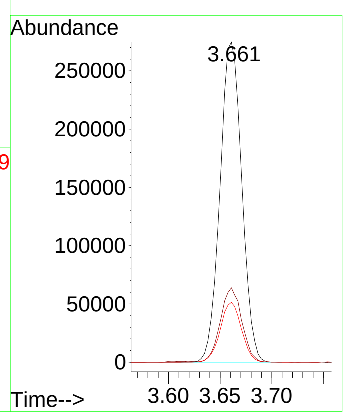


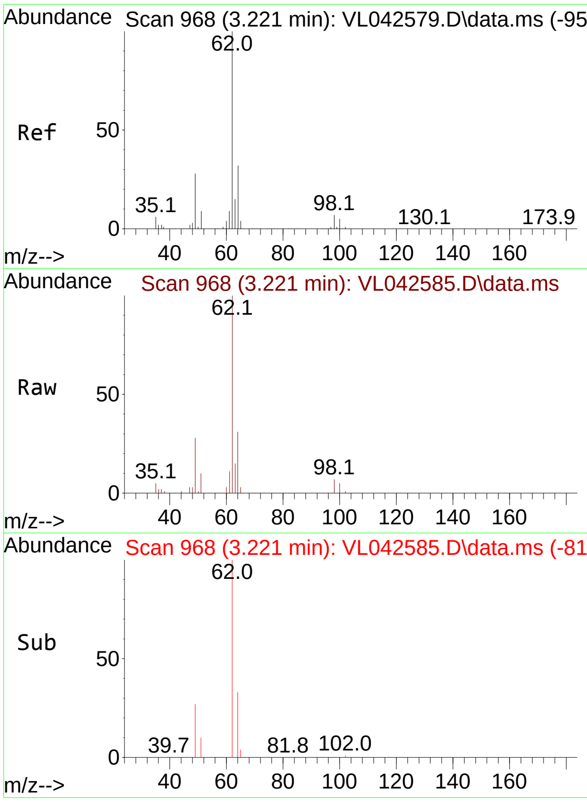


#36
Benzene
Concen: 13.615 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 78 Resp: 404641

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	18.7	15.2	22.8





#37
1,2-Dichloroethane
Concen: 14.088 ppbv
RT: 3.221 min   Scan# 9
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 20808

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1

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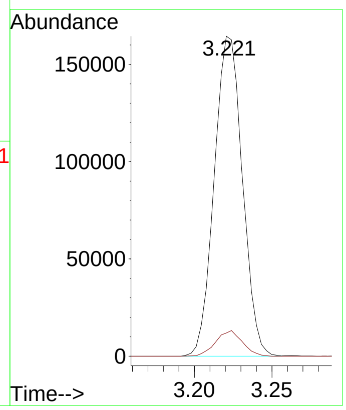
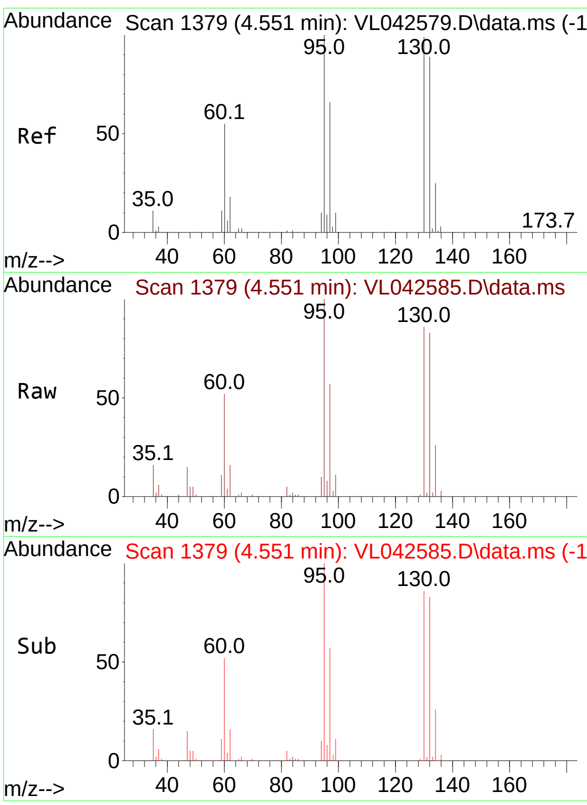
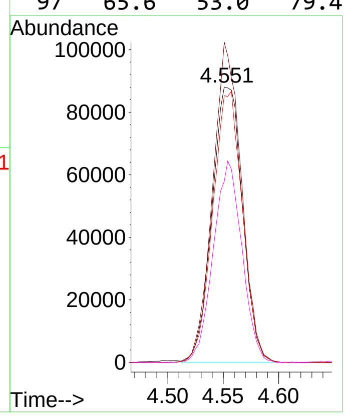


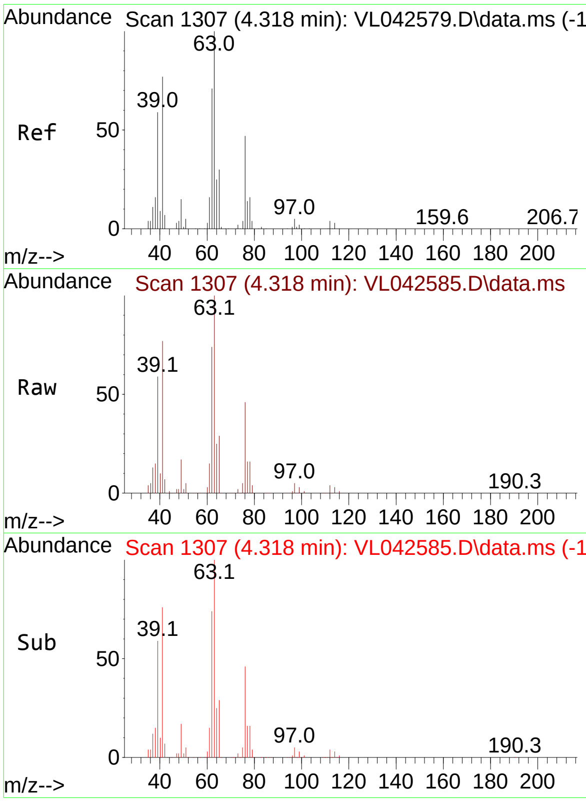


#38
Trichloroethene
Concen: 13.263 ppbv
RT: 4.551 min   Scan# 1379
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion:130 Resp: 168824

Ion	Ratio	Lower	Upper
130	100		
95	116.2	80.6	121.0
132	96.9	71.8	107.6
97	65.6	53.0	79.4





#39
1,2-Dichloropropane
Concen: 13.606 ppbv
RT: 4.318 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 14947

Ion	Ratio	Lower	Upper
63	100		
41	76.3	61.8	92.6
62	74.0	56.6	85.0

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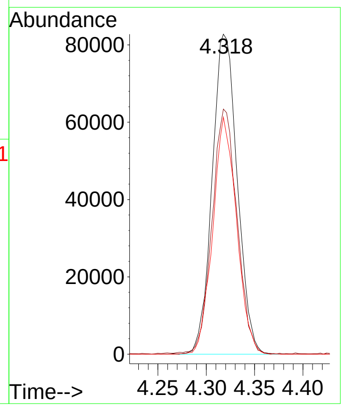
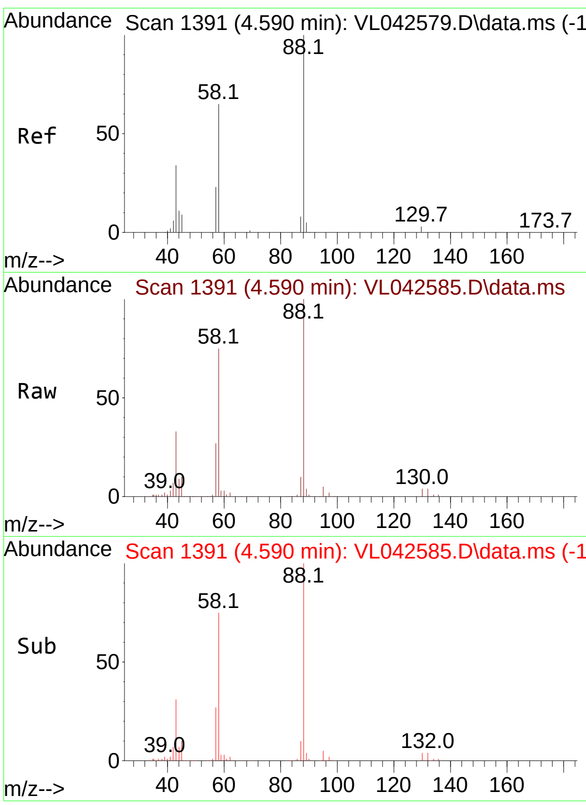
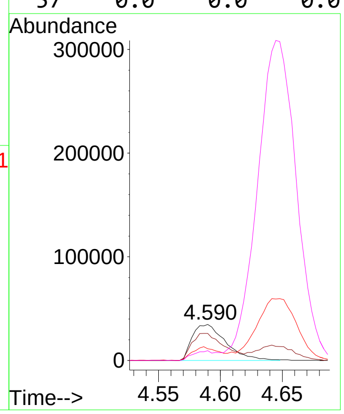


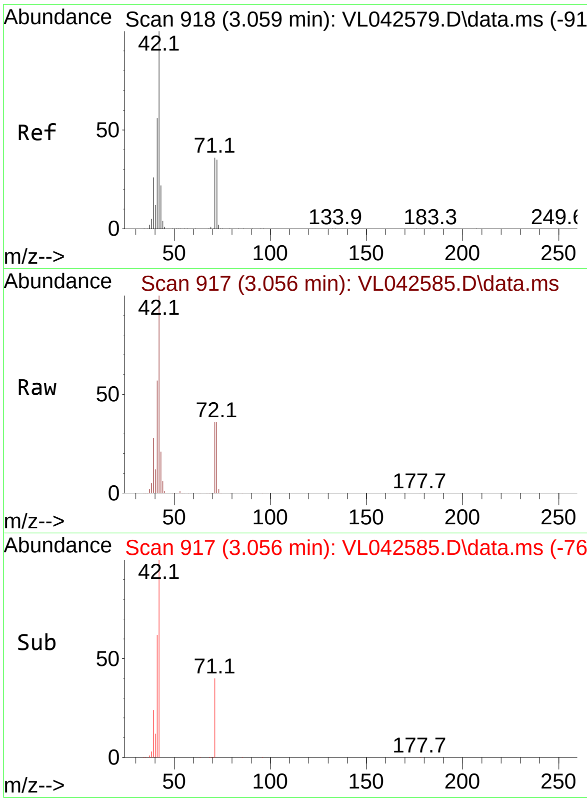


#40
1,4-Dioxane
Concen: 14.035 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 88 Resp: 65543

Ion	Ratio	Lower	Upper
88	100		
58	70.8	55.8	83.8
43	29.8	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 13.734 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 42 Resp: 173021

Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.9	43.3
71	35.8	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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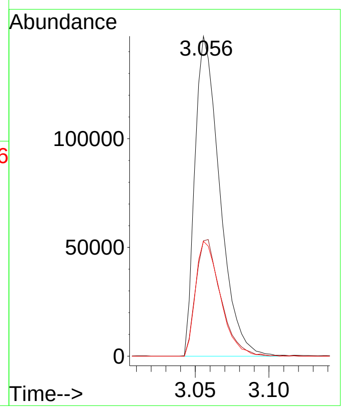
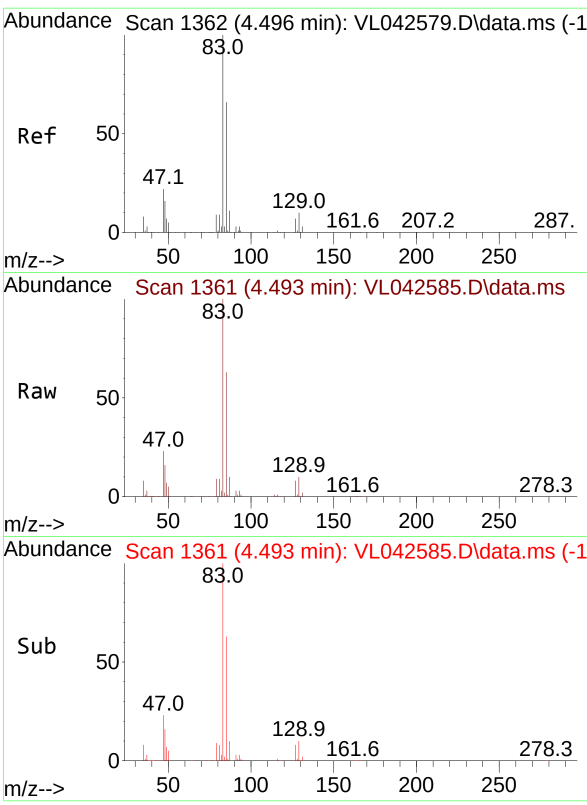
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

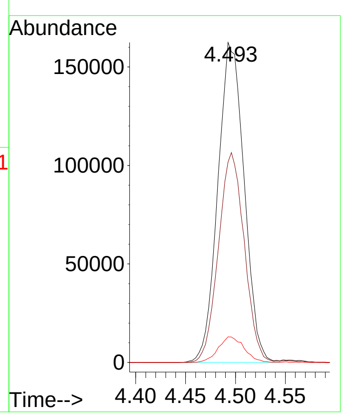


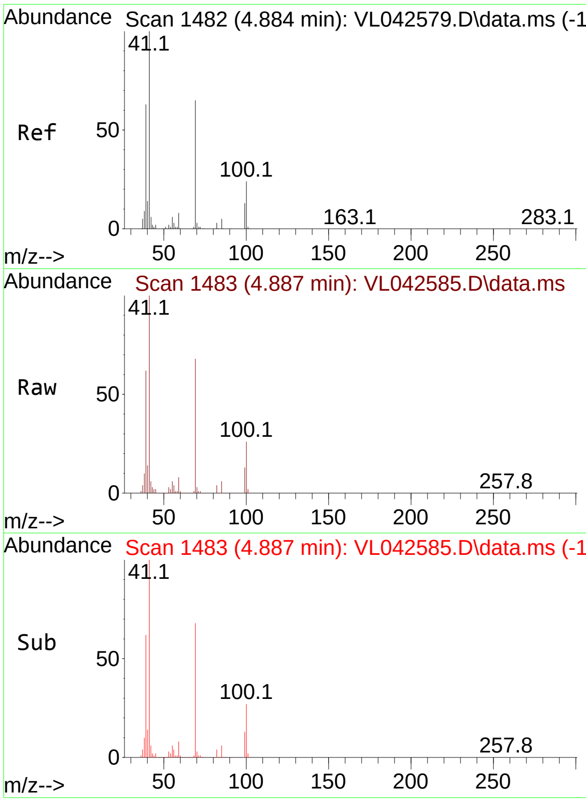


#42
Bromodichloromethane
Concen: 14.245 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 83 Resp: 298835

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.7	79.1
127	8.0	5.8	8.6

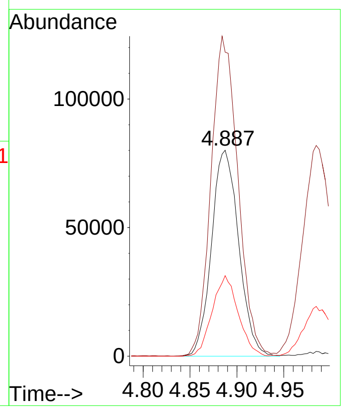




#43
Methyl Methacrylate
Concen: 14.033 ppbv
RT: 4.887 min   Scan# 14
Delta R.T.   0.003 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 69 Resp: 16164

Ion	Ratio	Lower	Upper
69	100		
41	154.3	124.6	187.0
100	37.3	29.9	44.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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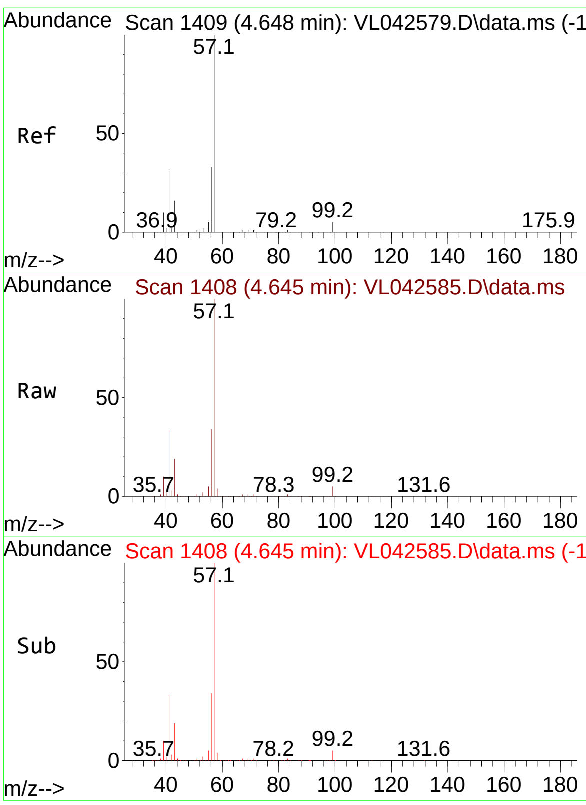
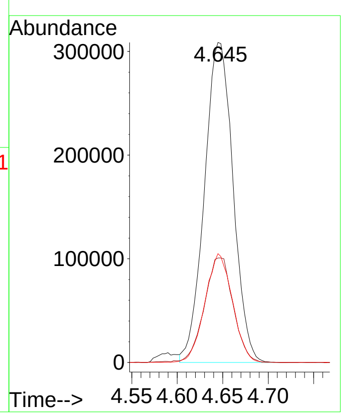
Supervised By :Mahesh Dadoda   05/30/2025

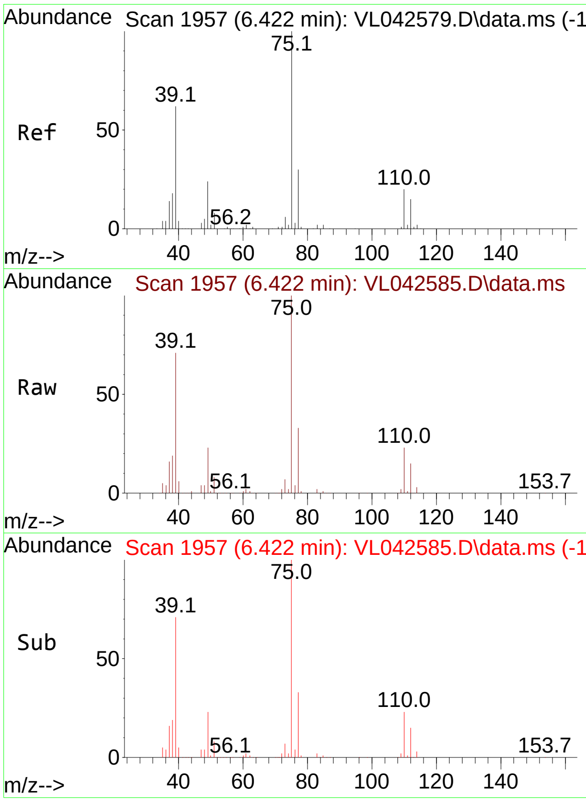


#44
2,2,4-Trimethylpentane
Concen: 13.319 ppbv
RT: 4.645 min   Scan# 1408
Delta R.T.   -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 57 Resp: 676574

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.1	39.1
56	32.7	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 14.338 ppbv
RT: 6.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 75 Resp: 18925

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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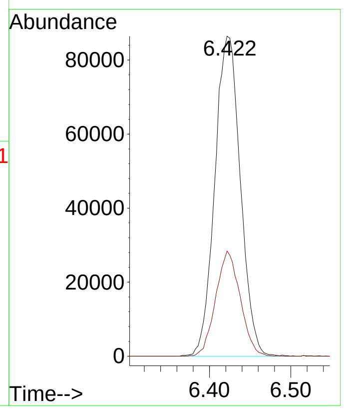
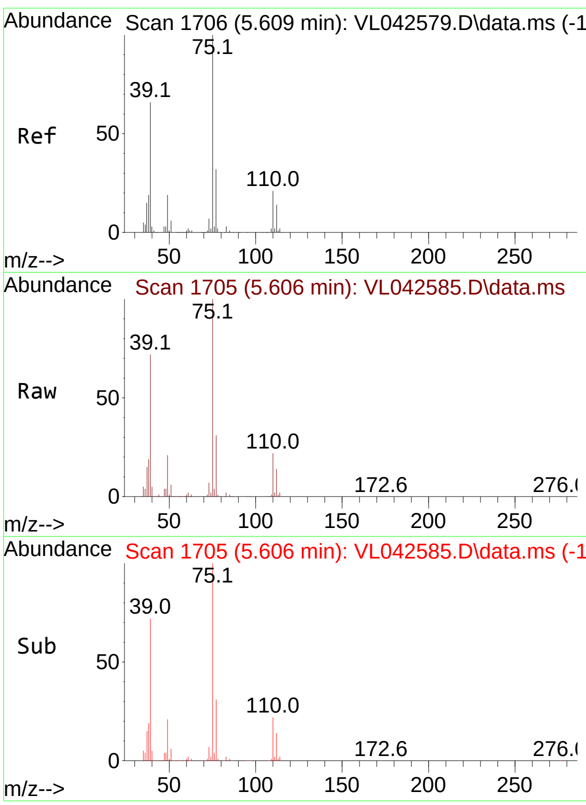
Supervised By :Mahesh Dadoda 05/30/2025

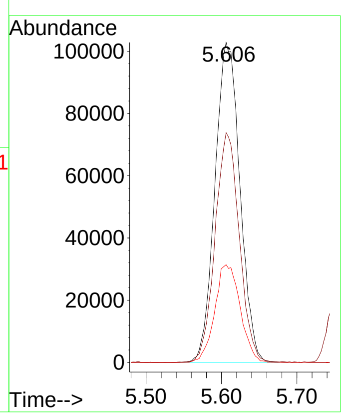


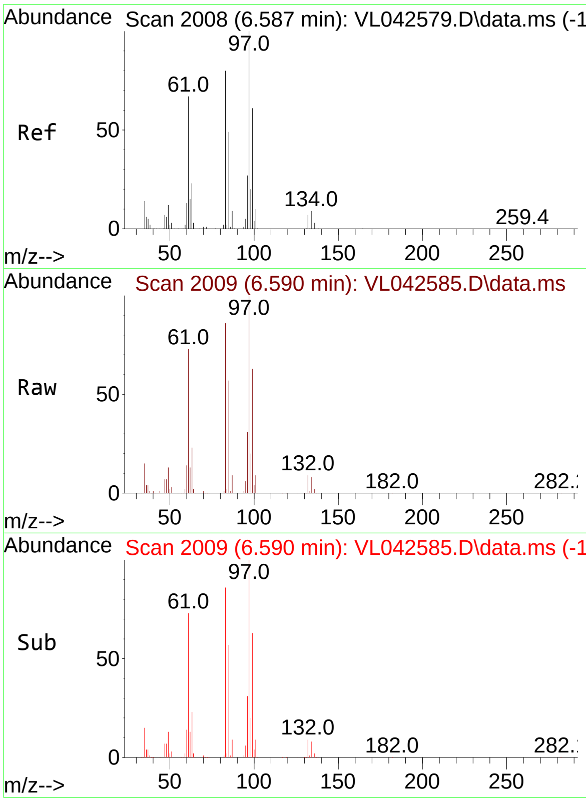


#46
cis-1,3-Dichloropropene
Concen: 14.313 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 75 Resp: 236653

Ion	Ratio	Lower	Upper
75	100		
39	71.7	52.7	79.1
77	30.6	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 13.524 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
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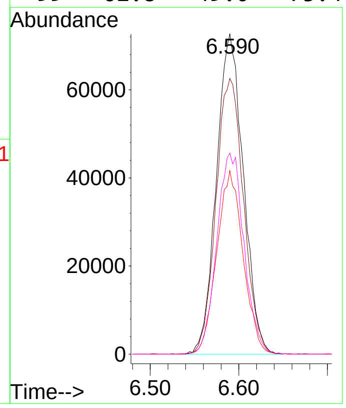
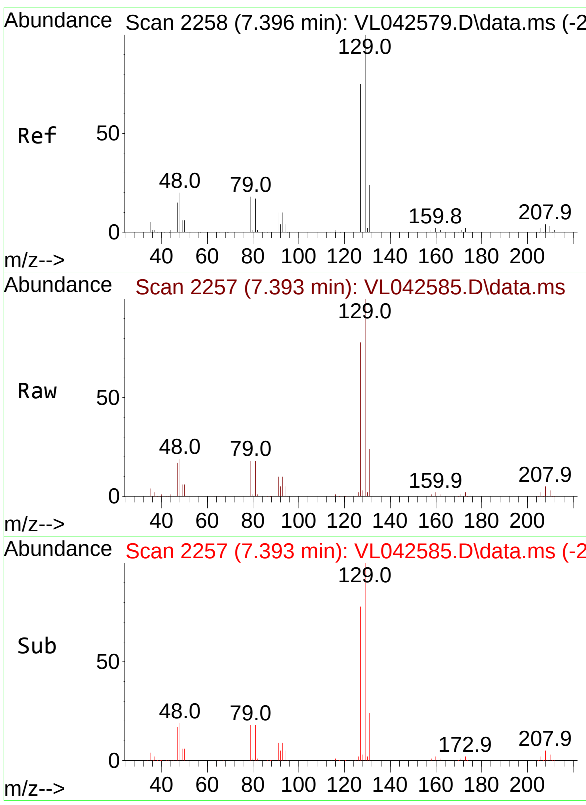
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion: 97 Resp: 15386

Ion	Ratio	Lower	Upper
97	100		
83	86.0	63.9	95.9
85	57.3	39.2	58.8
99	62.8	49.0	73.4

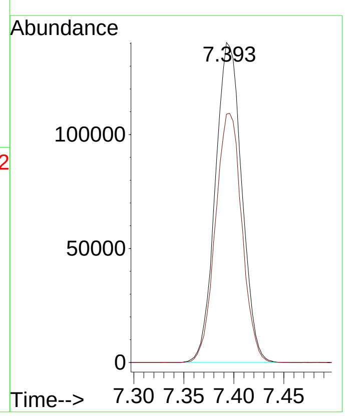


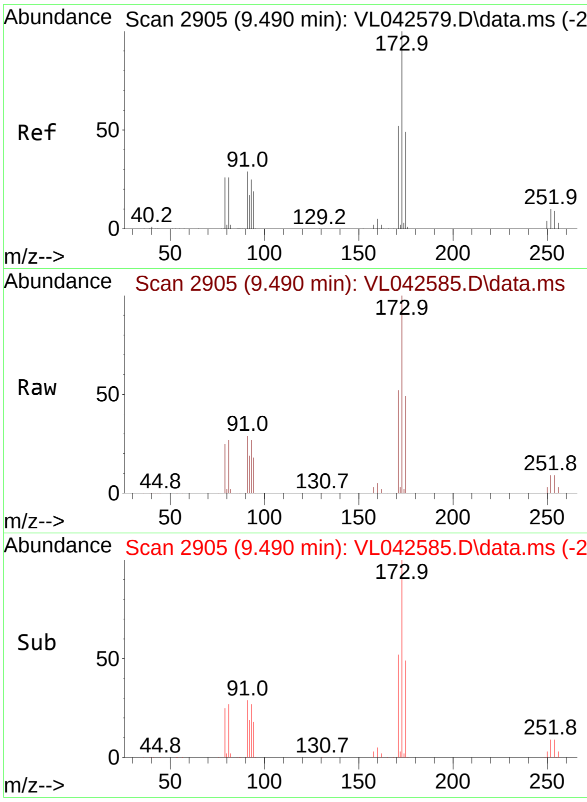


#48
Dibromochloromethane
Concen: 14.187 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:129 Resp: 258374

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.0	116.9





#49
Bromoform
Concen: 14.427 ppbv
RT: 9.490 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 22671

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
171	51.5	41.2	61.8

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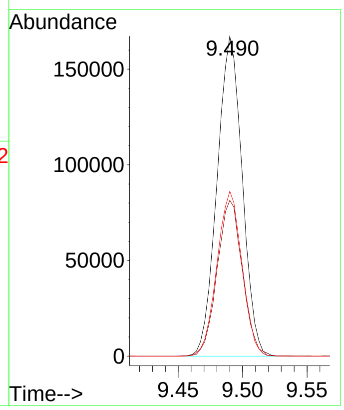
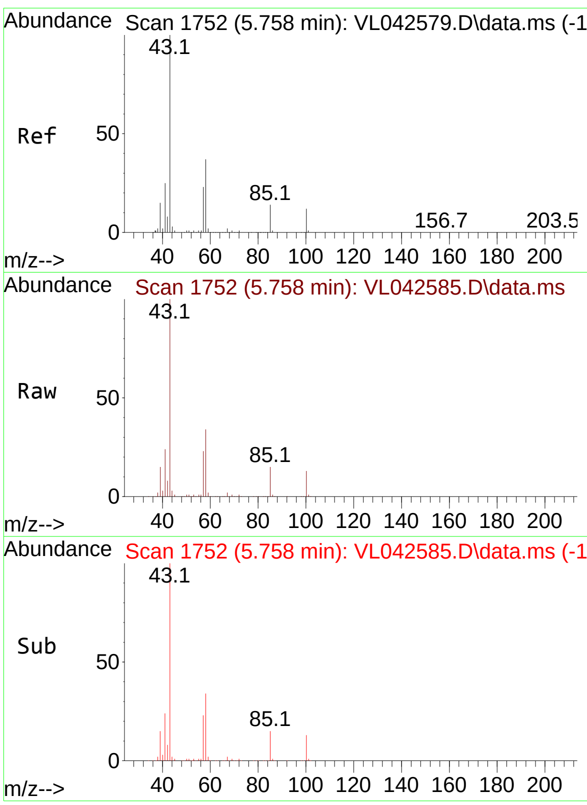
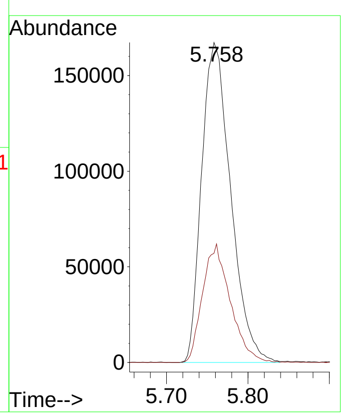


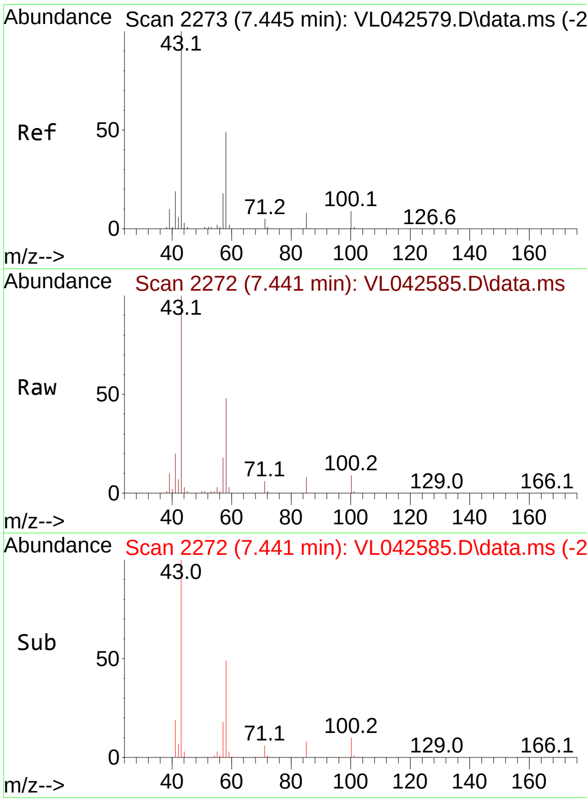


#50
4-Methyl-2-Pentanone
Concen: 13.882 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 416119

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.3	42.5





#51
2-Hexanone
Concen: 14.328 ppbv
RT: 7.441 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 33922

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.9	59.9
98	0.1	0.1	0.1

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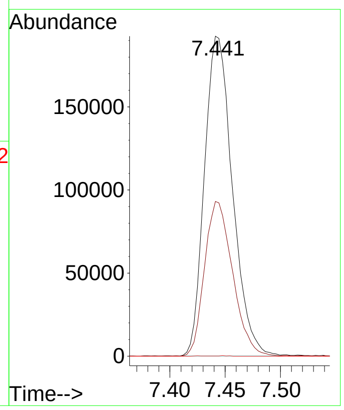
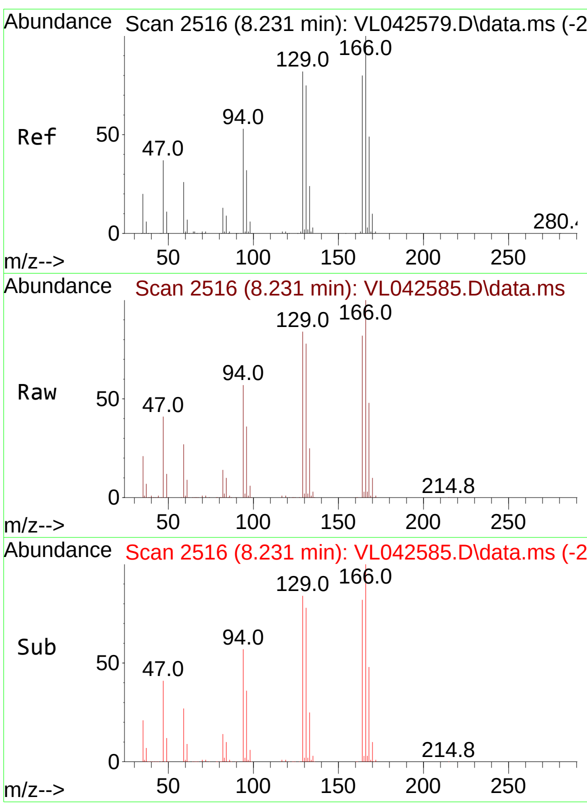
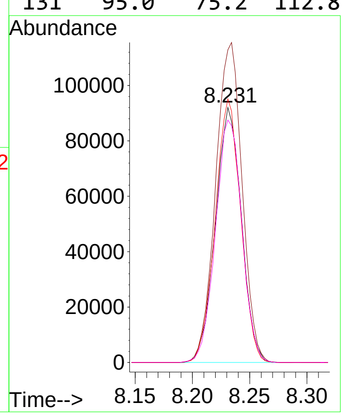


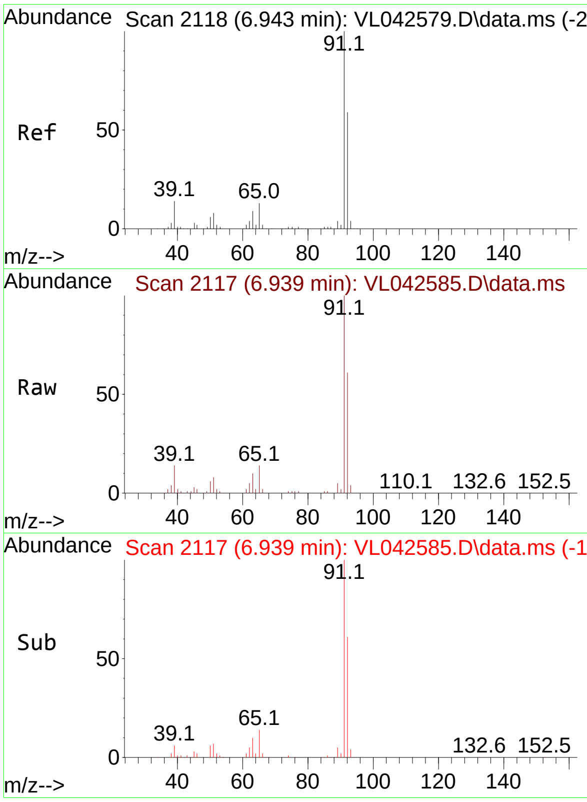


#52
Tetrachloroethene
Concen: 13.098 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:164 Resp: 145485

Ion	Ratio	Lower	Upper
164	100		
166	122.6	100.0	150.0
129	103.3	82.2	123.4
131	95.0	75.2	112.8





#53
Toluene
Concen: 13.702 ppbv
RT: 6.939 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 47063

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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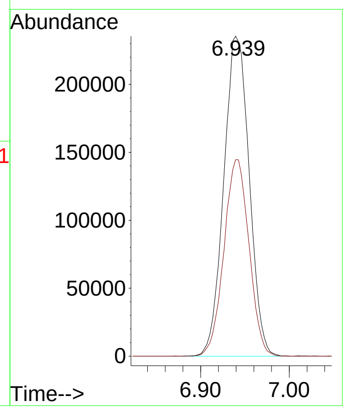
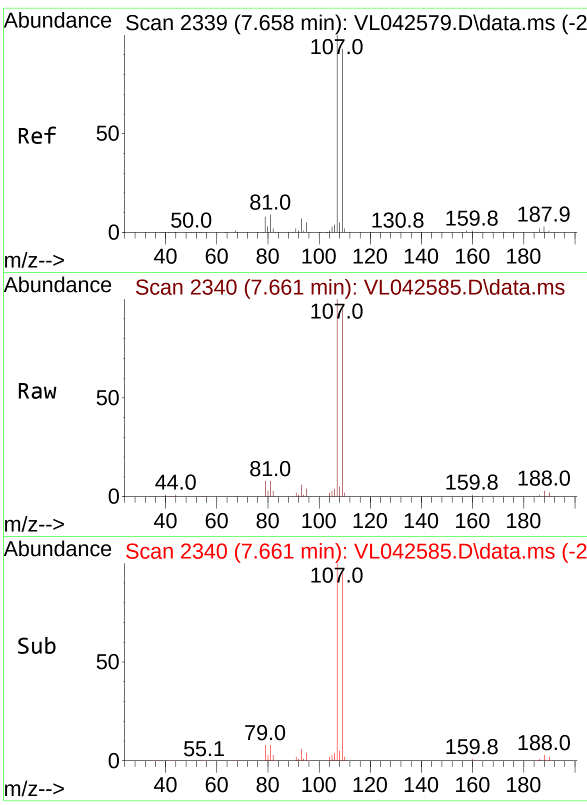
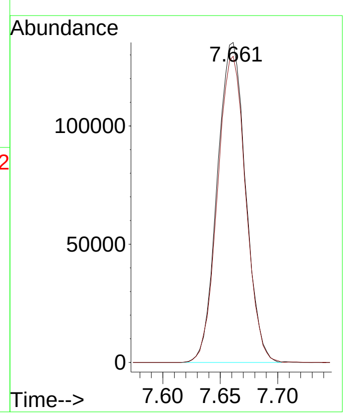


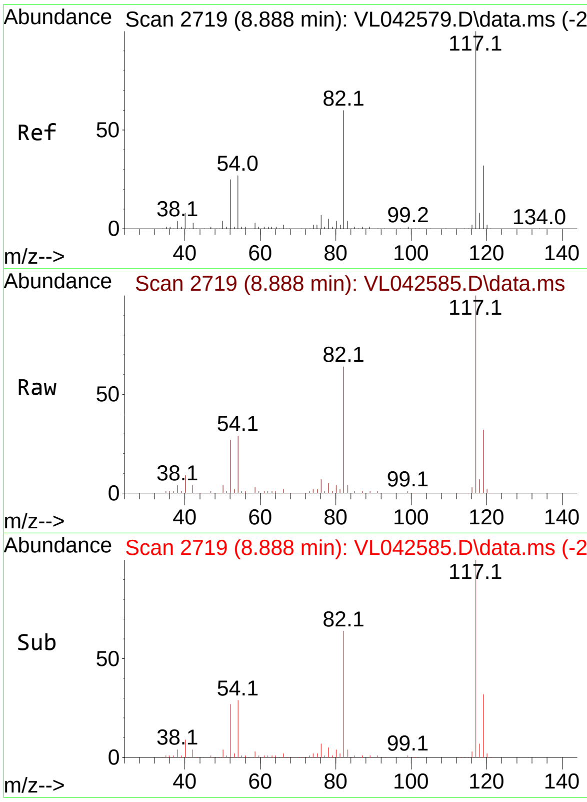


#54
1,2-Dibromoethane
Concen: 13.758 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:107 Resp: 232051

Ion	Ratio	Lower	Upper
107	100		
109	95.7	74.3	111.5






```
#55
Chlorobenzene-d5
Concen:   10.000 ppbv
RT:   8.888 min   Scan# 2
Delta R.T.   -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion:117 Resp:   27491
Ion   Ratio   Lower   Upper
117   100
 82    66.6    51.2    76.8
119    32.0    26.3    39.5
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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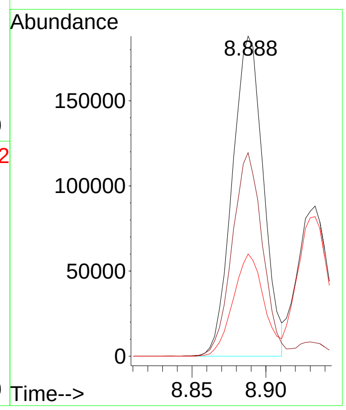
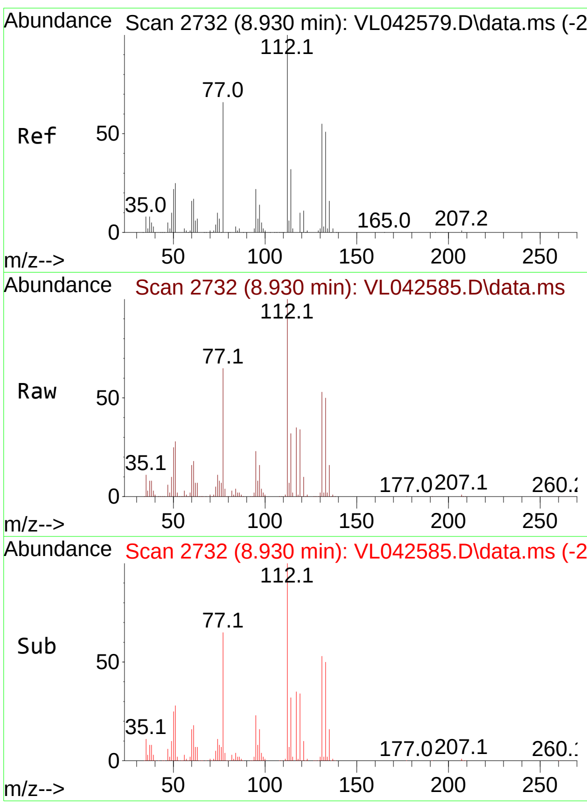
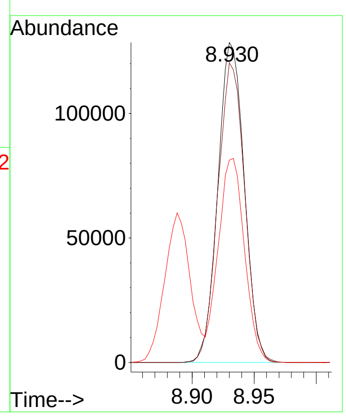
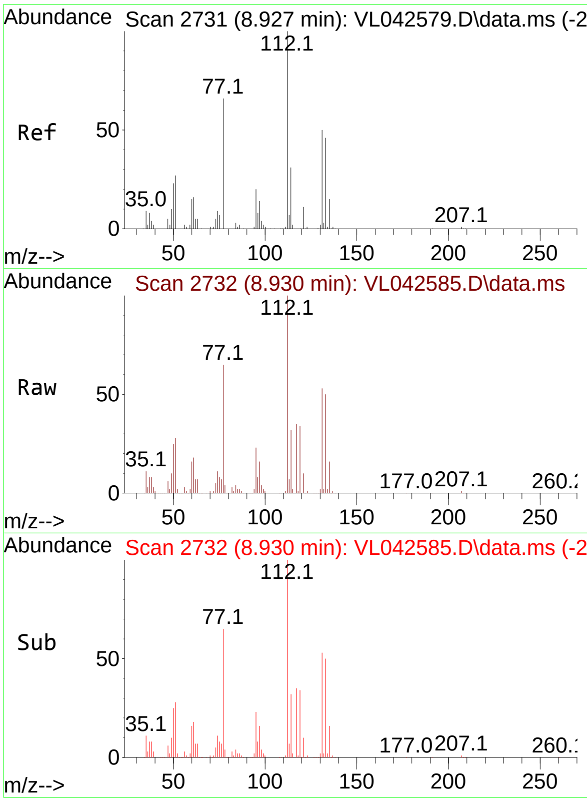





```
#56
1,1,1,2-Tetrachloroethane
Concen:   13.828 ppbv
RT:   8.930 min   Scan# 2732
Delta R.T.   -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion:131 Resp:   191145
Ion   Ratio   Lower   Upper
131   100
133    94.8    75.0   112.6
119    64.0    50.8    76.2
```





#57
Chlorobenzene
Concen: 13.361 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 35665

Ion	Ratio	Lower	Upper
112	100		
77	65.4	53.5	80.3
114	31.7	27.8	34.0

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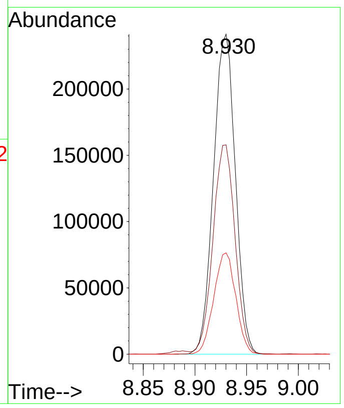
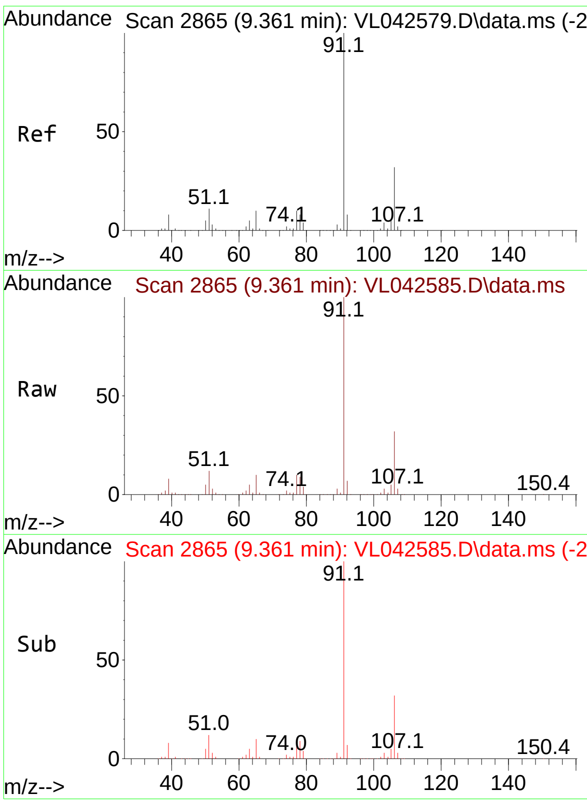
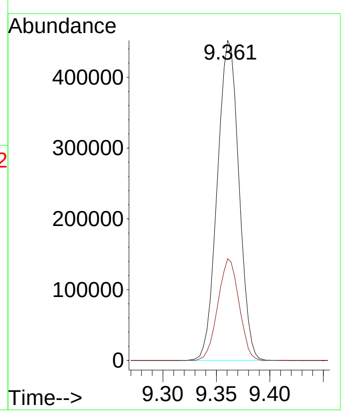


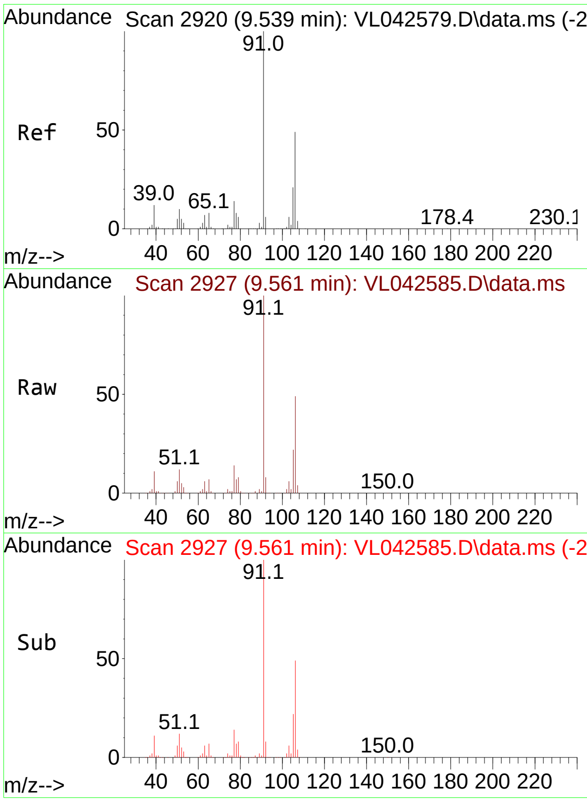


#58
Ethyl Benzene
Concen: 13.662 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 637083

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.9	38.9





#59
m/p-Xylene
Concen: 27.151 ppbv m
RT: 9.561 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 99660
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2#

Instrument :
MSVOA_L
ClientSampleId :
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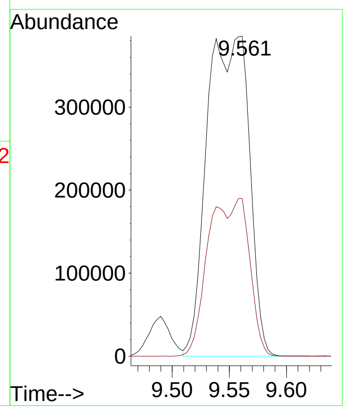
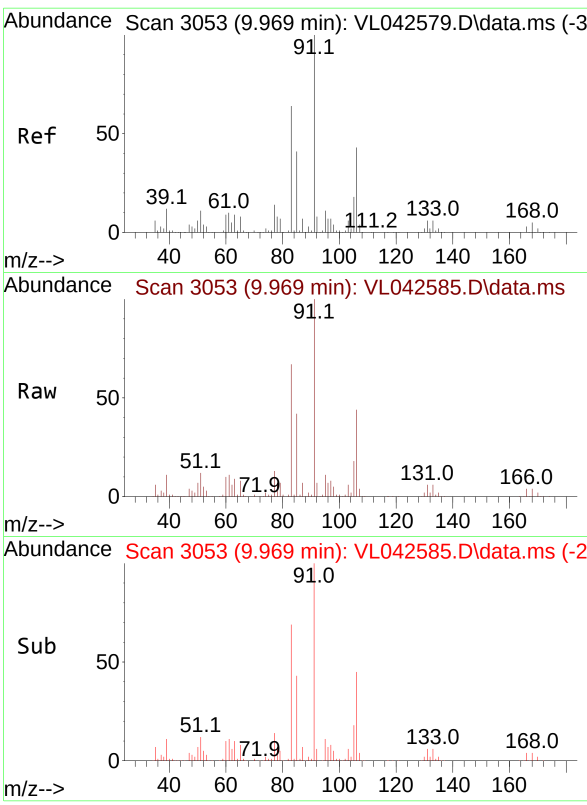
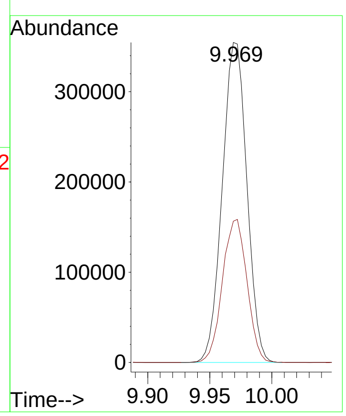
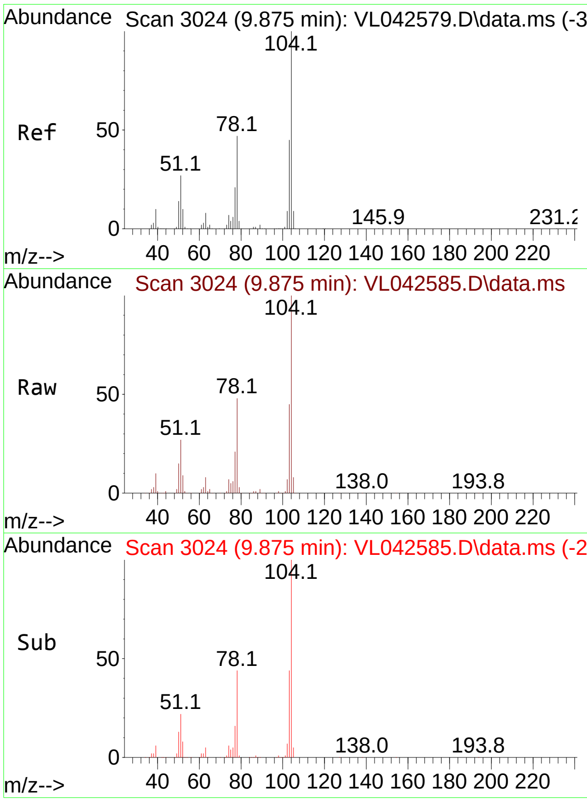




#60
o-Xylene
Concen: 13.389 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 490036
Ion Ratio Lower Upper
91 100
106 44.7 22.9 68.5





#61
Styrene
Concen: 14.199 ppbv
RT: 9.875 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 24571

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.4
103	45.8	36.7	55.1

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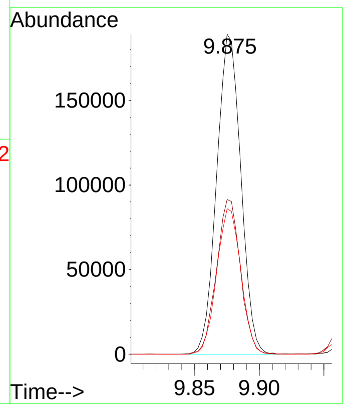
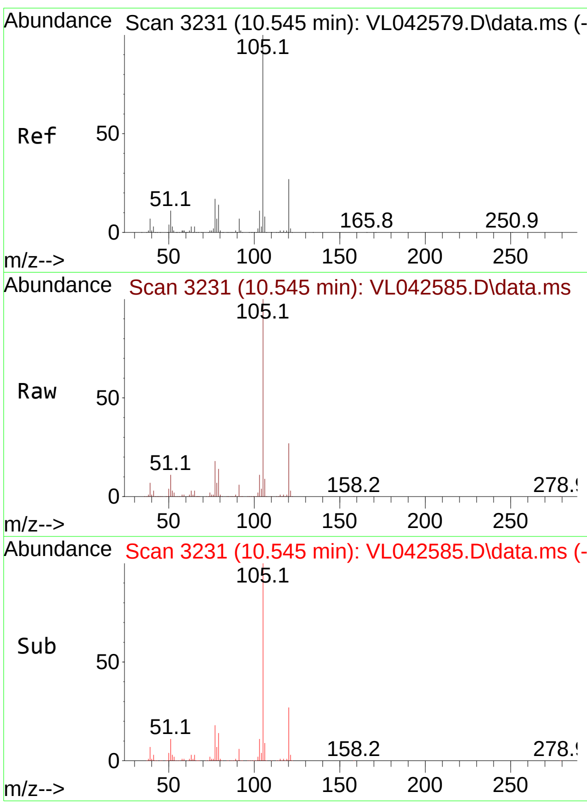
Supervised By :Mahesh Dadoda 05/30/2025

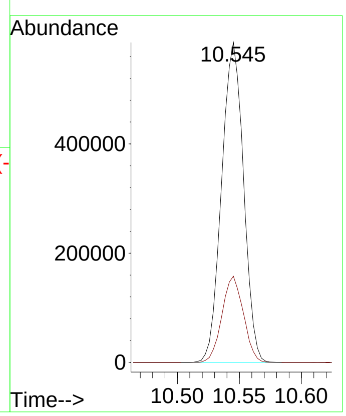


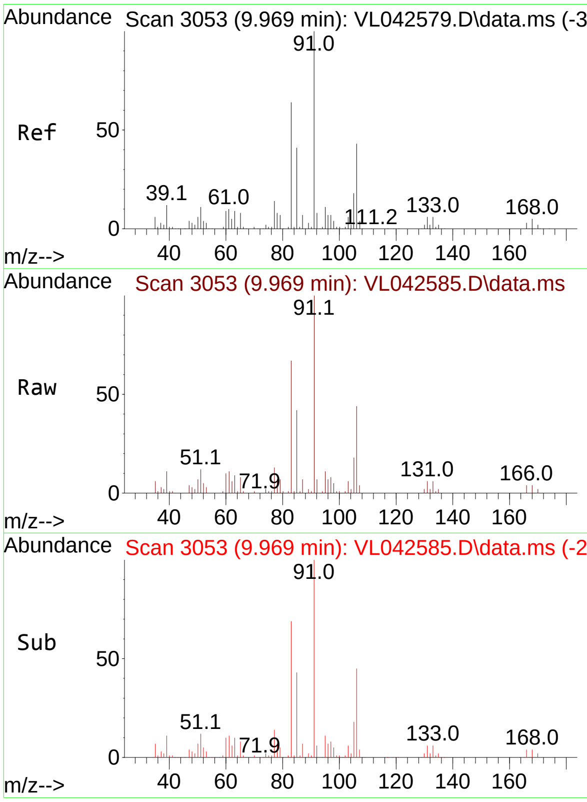


#62
Isopropylbenzene
Concen: 13.356 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 722166

Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 12.875 ppbv
RT: 9.969 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 29963

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.5	97.4

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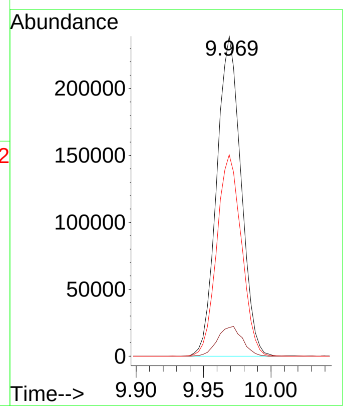
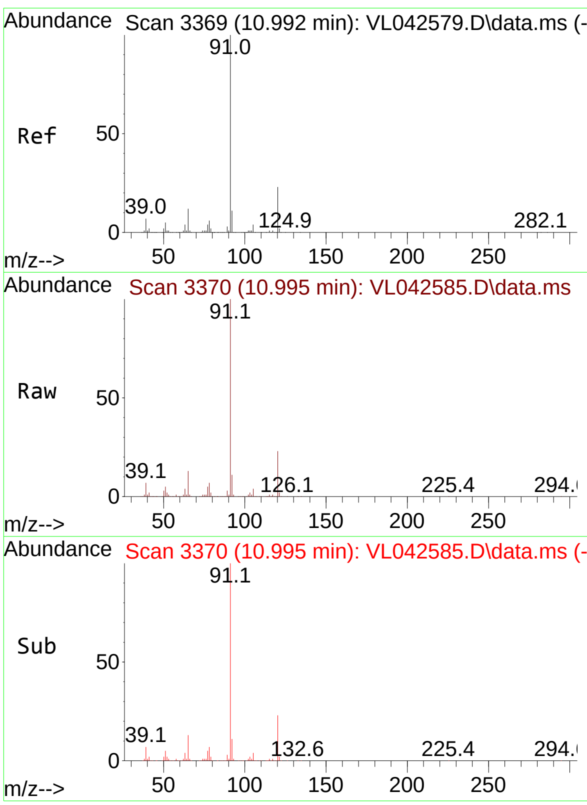
Supervised By :Mahesh Dadoda 05/30/2025

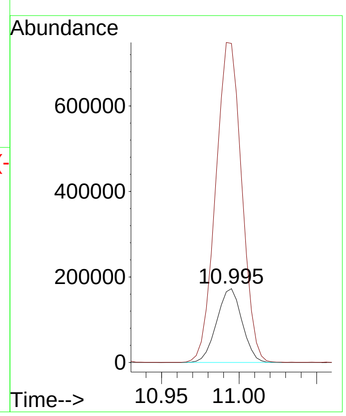


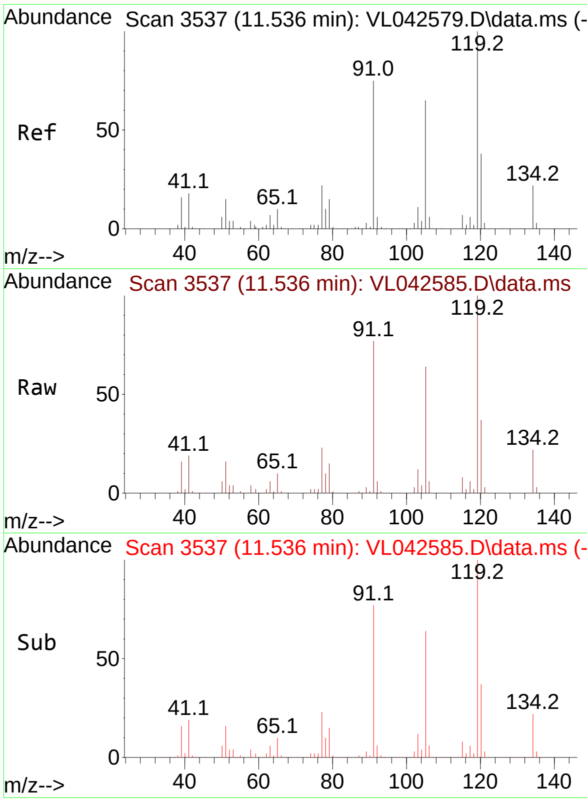


#64
n-propylbenzene
Concen: 13.519 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:120 Resp: 195952

Ion	Ratio	Lower	Upper
120	100		
91	446.5	363.0	544.6





#65
tert-Butylbenzene
Concen: 12.924 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:119 Resp: 63415

Ion	Ratio	Lower	Upper
119	100		
91	77.3	61.1	91.7
134	21.5	17.4	26.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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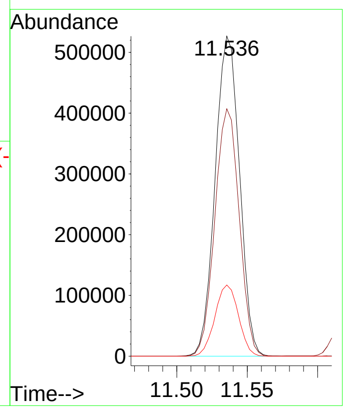
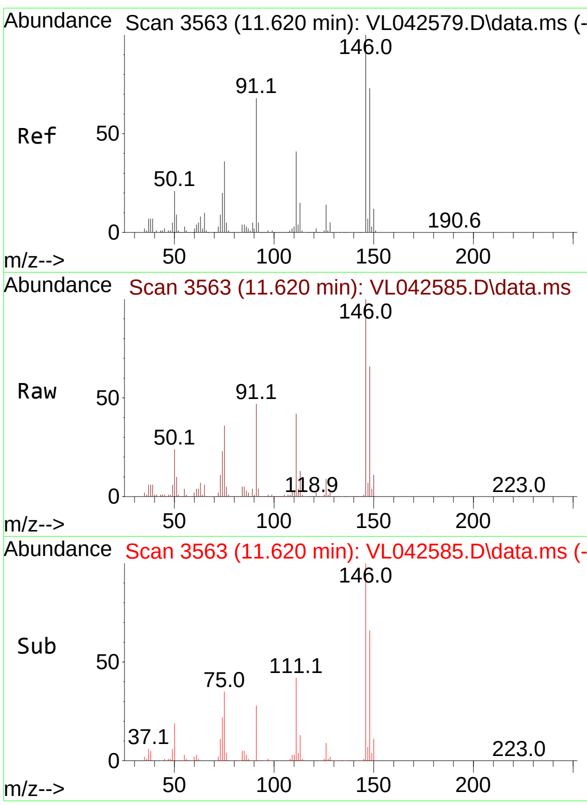
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

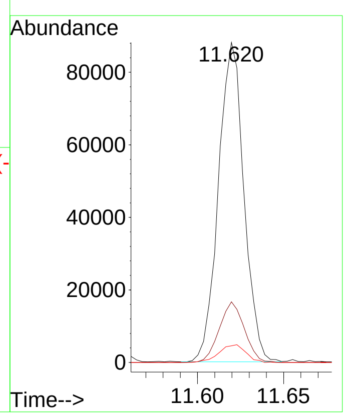


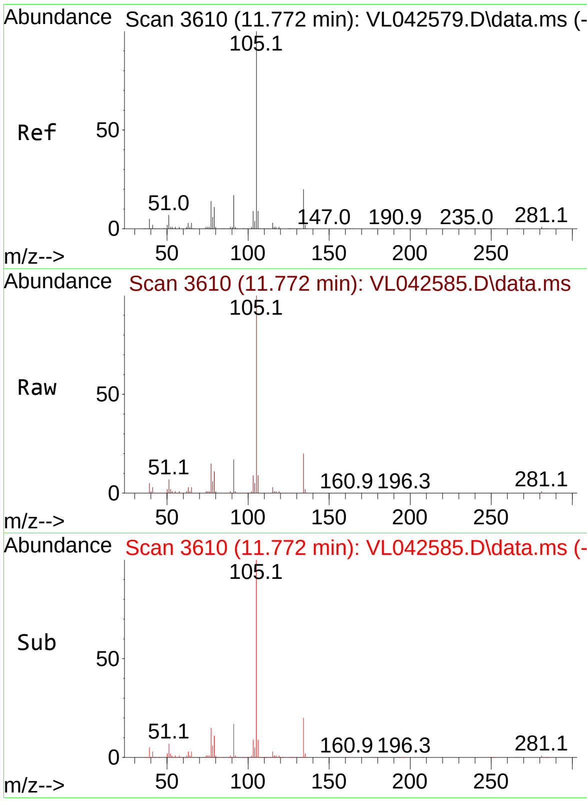


#66
Benzyl Chloride
Concen: 14.320 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 90617

Ion	Ratio	Lower	Upper
91	100		
126	18.7	15.1	22.7
128	5.9	5.0	7.6





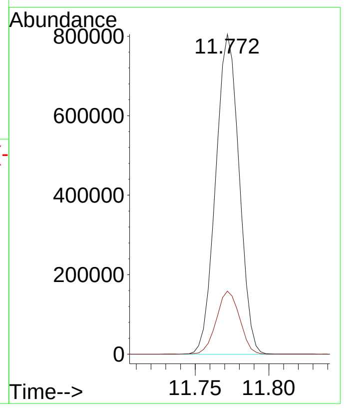
#67
sec-Butylbenzene
Concen: 12.939 ppbv
RT: 11.772 min   Scan# 3(
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

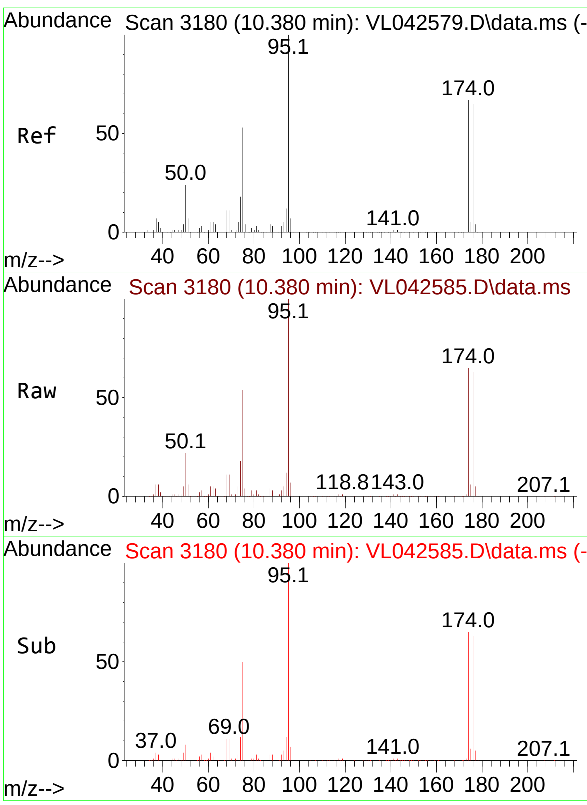
Tgt Ion:105 Resp: 89263(

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.8	23.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

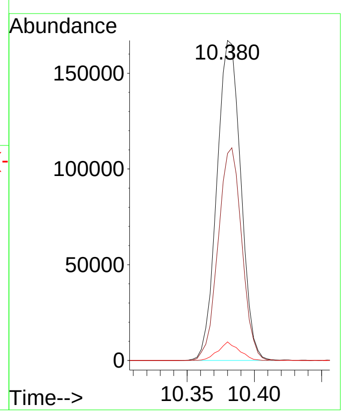


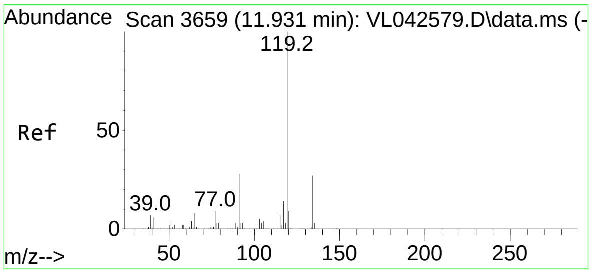


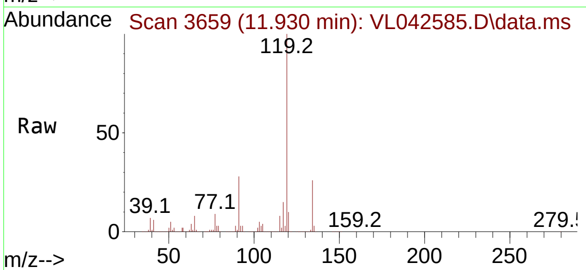
#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 10.380 min   Scan# 3180
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

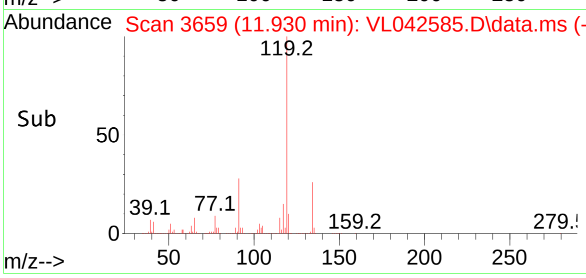
Tgt Ion: 95 Resp: 207170

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.1	79.7
175	5.1	4.2	6.2









#69
p-Isopropyltoluene
Concen: 13.210 ppbv
RT: 11.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 76315

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.7	21.9	32.9

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Reviewed By :Semsettin Yesilyurt 05/30/2025
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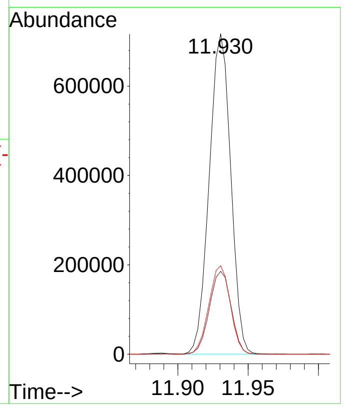
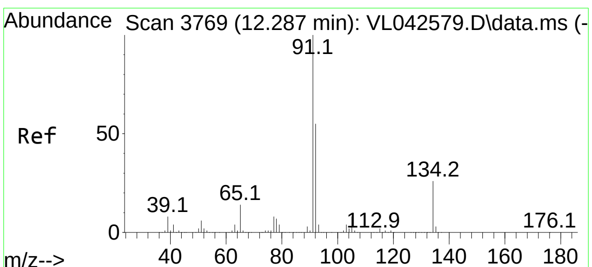
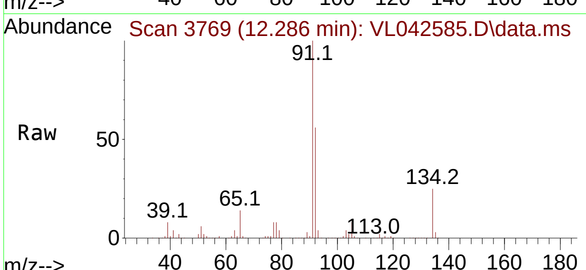
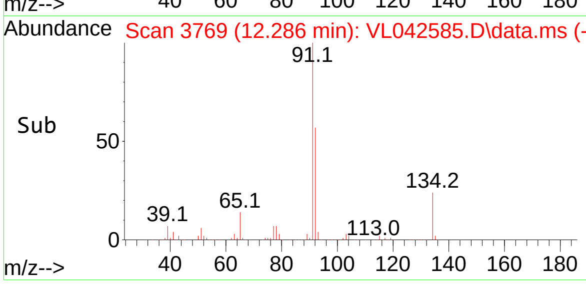




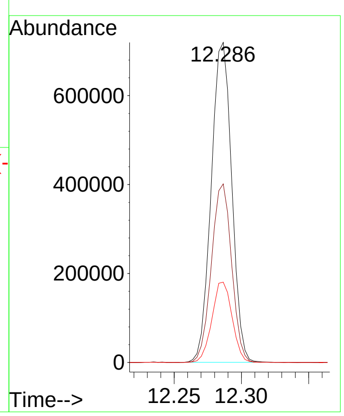


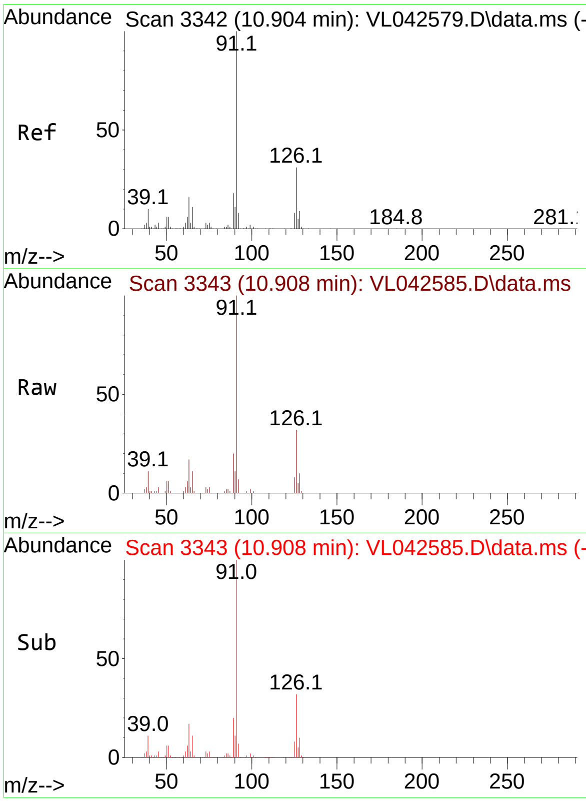


#70
n-Butylbenzene
Concen: 13.401 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 764173

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.4	66.6
134	24.8	20.1	30.1





#71
2-Chlorotoluene
Concen: 13.390 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 55226

Ion	Ratio	Lower	Upper
91	100		
126	31.3	12.6	50.4

Manual Integrations
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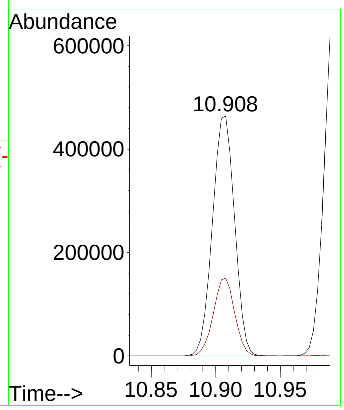
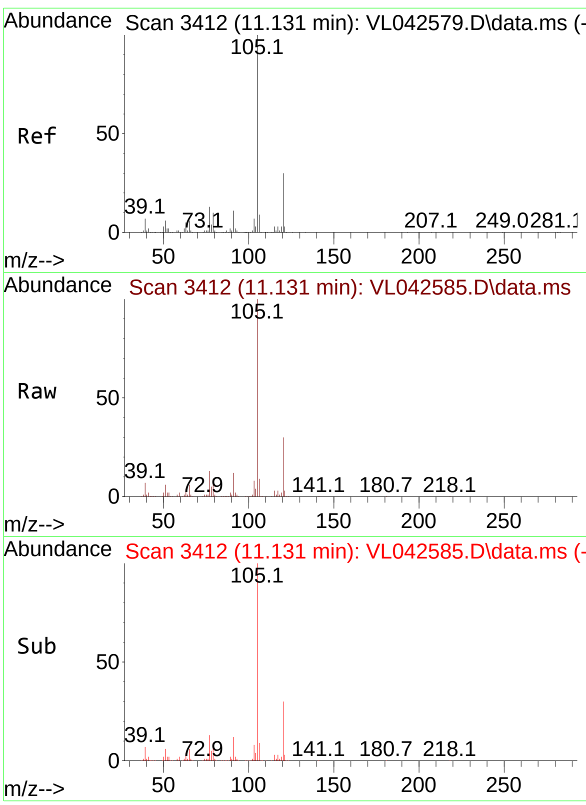
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

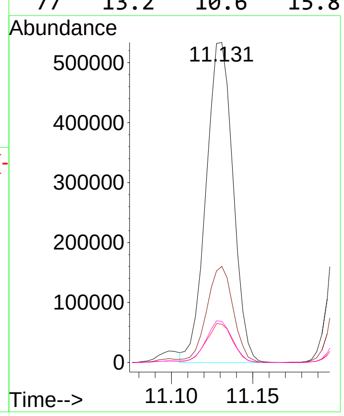


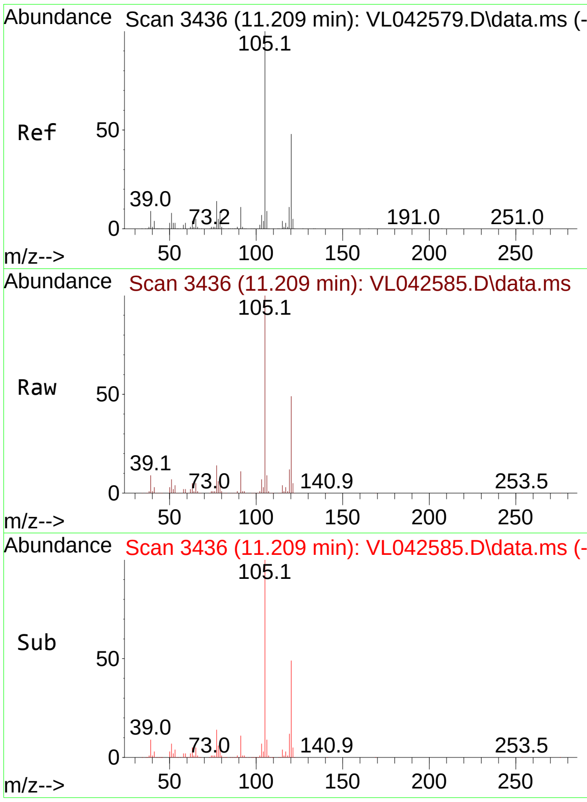


#72
4-Ethyltoluene
Concen: 13.504 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 616187

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.6	36.8
91	12.4	9.6	14.4
77	13.2	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 13.498 ppbv
RT: 11.209 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

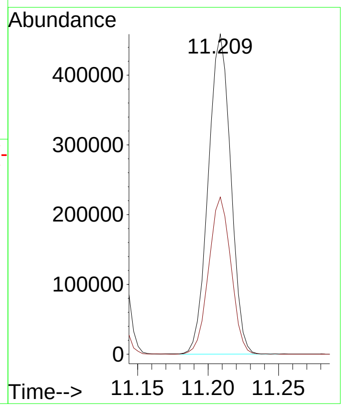
Tgt Ion:105 Resp: 50980

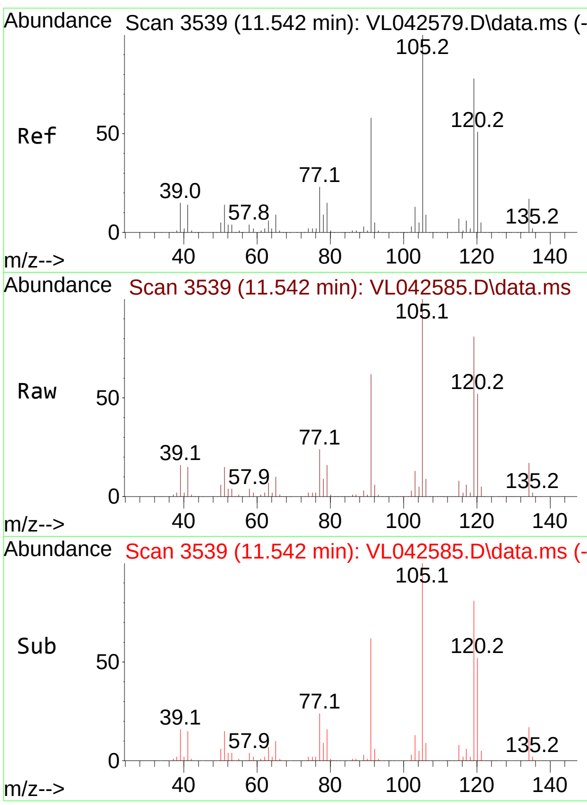
Ion	Ratio	Lower	Upper
105	100		
120	49.1	38.8	58.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

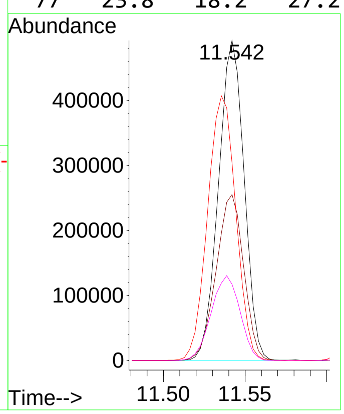


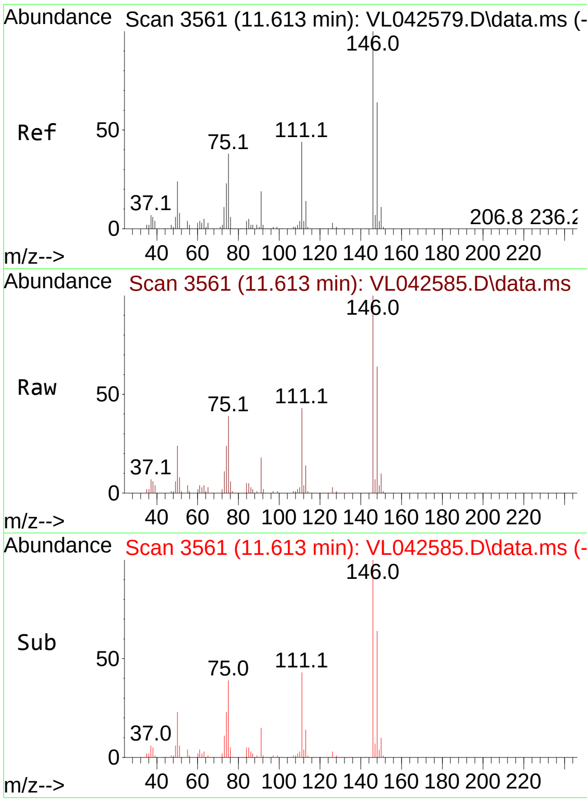


#74
1,2,4-Trimethylbenzene
Concen: 12.854 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 538704

Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.8	61.2
91	61.8	46.8	70.2
77	23.8	18.2	27.2






```
#75
1,3-Dichlorobenzene
Concen:   13.203 ppbv
RT:  11.613 min  Scan# 3
Delta R.T.  -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025  14:24

Tgt Ion:146 Resp:  34747
Ion  Ratio  Lower  Upper
146  100
111   44.9   22.4   67.3
148   63.6   32.0   96.2
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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Reviewed By :Semsettin Yesilyurt 05/30/2025
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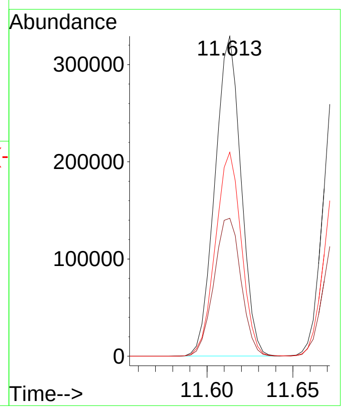
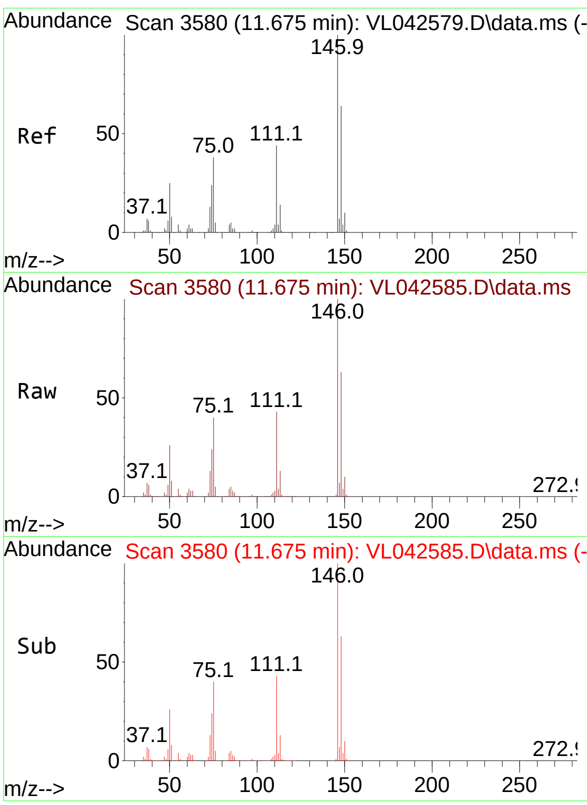
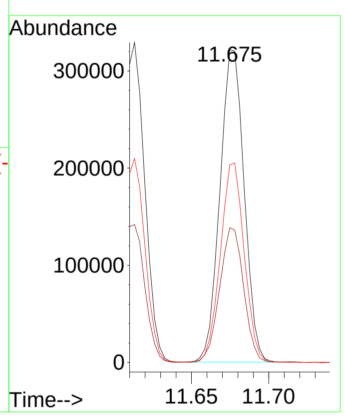
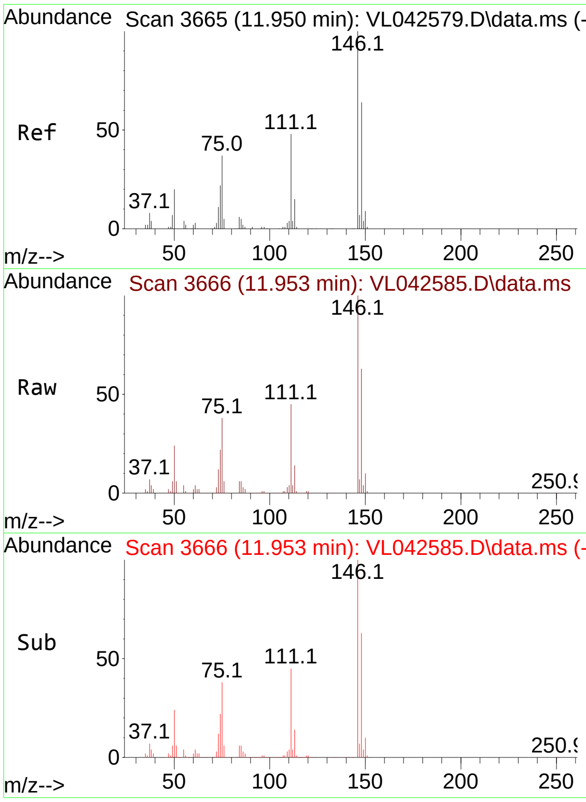





```
#76
1,4-Dichlorobenzene
Concen:   13.363 ppbv
RT:  11.675 min  Scan# 3580
Delta R.T.  -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025  14:24

Tgt Ion:146 Resp:  350757
Ion  Ratio  Lower  Upper
146  100
111   43.0   21.6   64.8
148   63.2   32.1   96.5
```





#77
1,2-Dichlorobenzene
Concen: 12.800 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 32696

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.1	69.3
148	63.9	32.1	96.3

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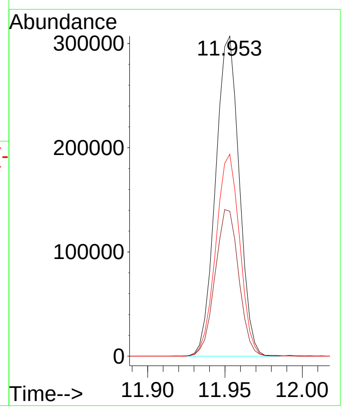
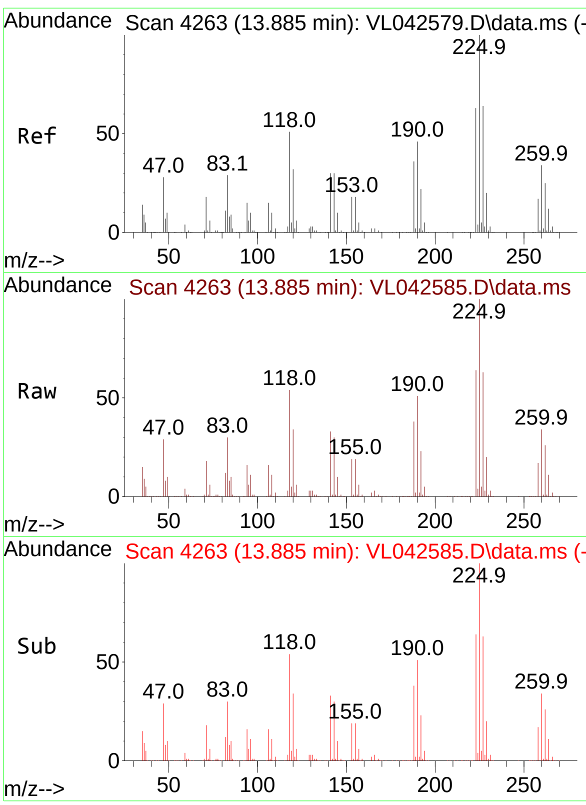
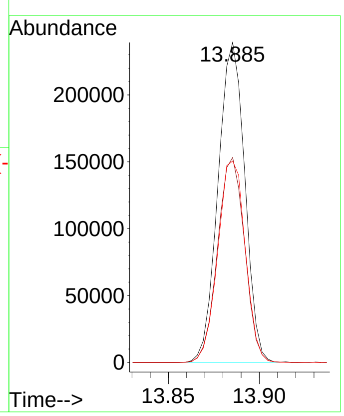


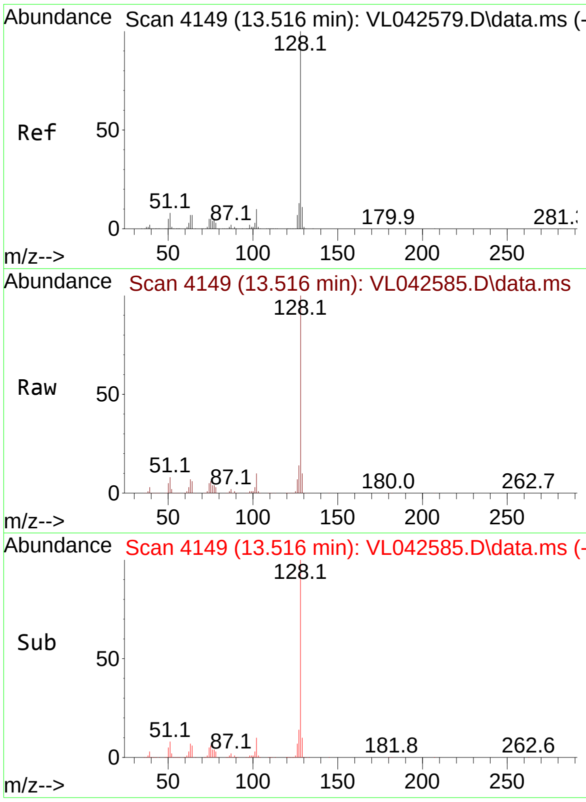


#78
Hexachloro-1,3-Butadiene
Concen: 11.563 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:225 Resp: 244375

Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.2	75.4
227	64.8	51.1	76.7





#79
Naphthalene
Concen: 14.318 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

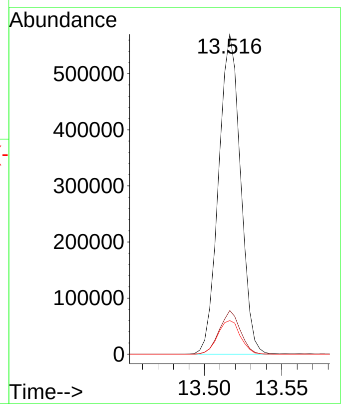
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

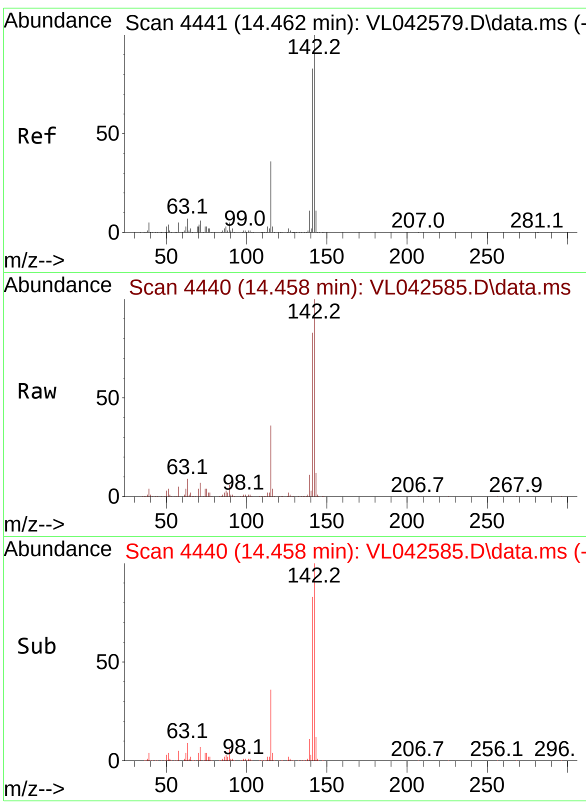
Tgt Ion:128 Resp: 56343

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.5	8.8	13.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

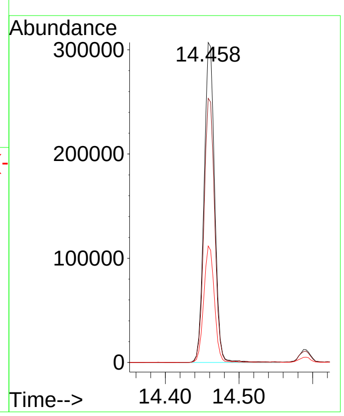


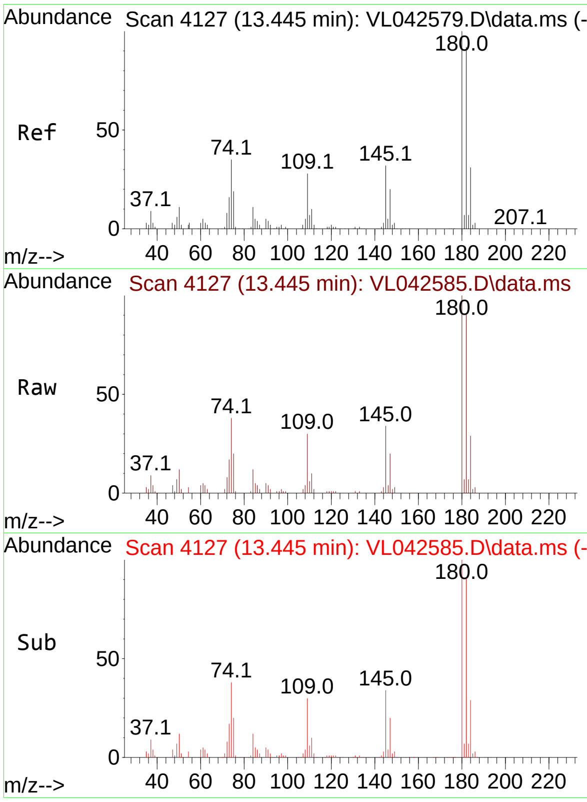


#80
Naphthalene,2-methyl-
Concen: 17.196 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:142 Resp: 306586

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.2	99.4
115	36.6	28.3	42.5

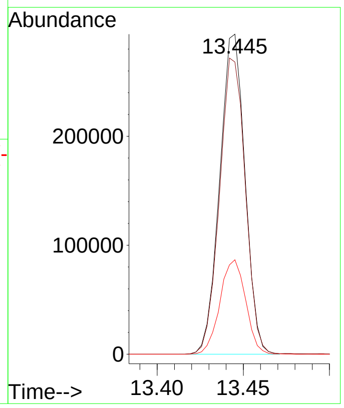




#81
1,2,4-Trichlorobenzene
Concen: 13.598 ppbv
RT: 13.445 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:180 Resp: 29986

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.0	112.4
184	29.9	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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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

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 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

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	

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 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

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

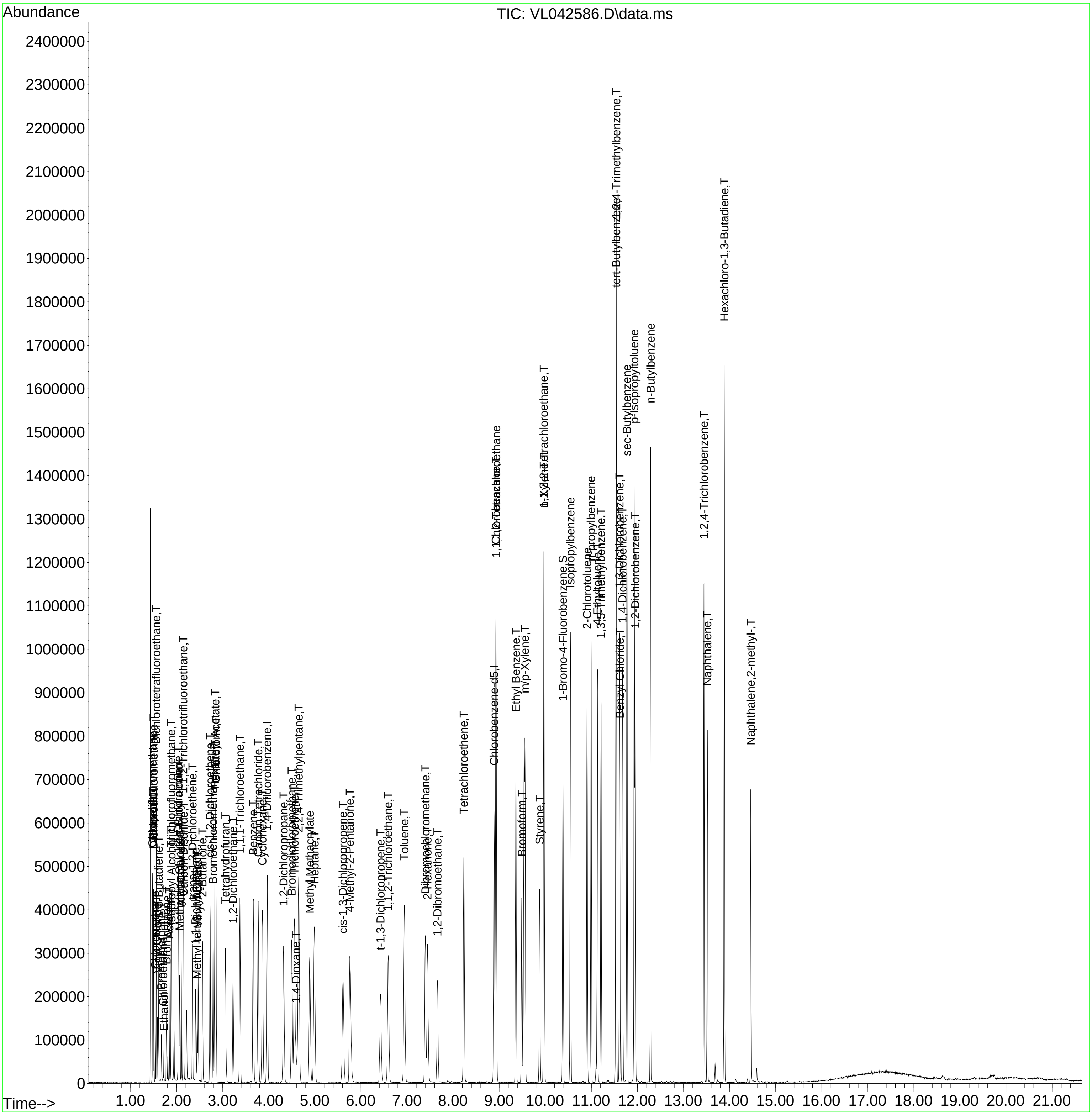
Quantitation Report (QT Reviewed)

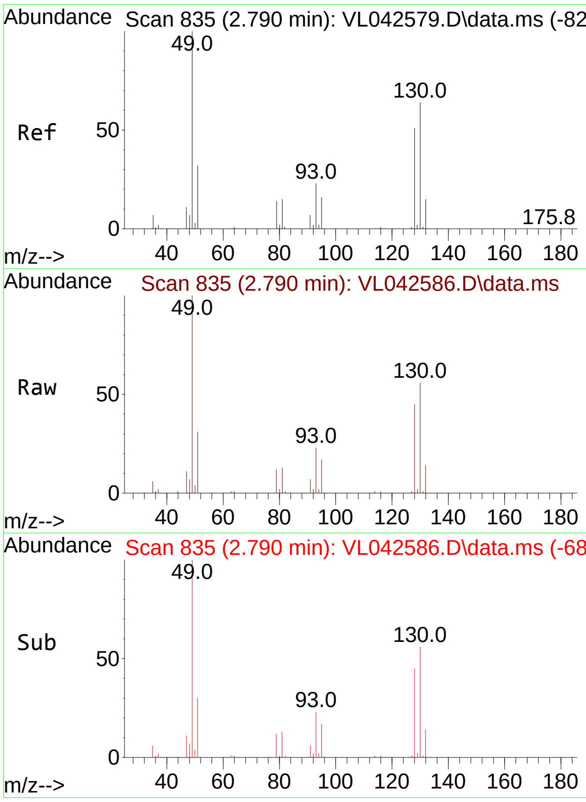
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

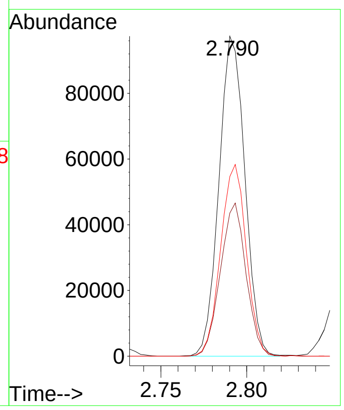




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 49 Resp: 10242

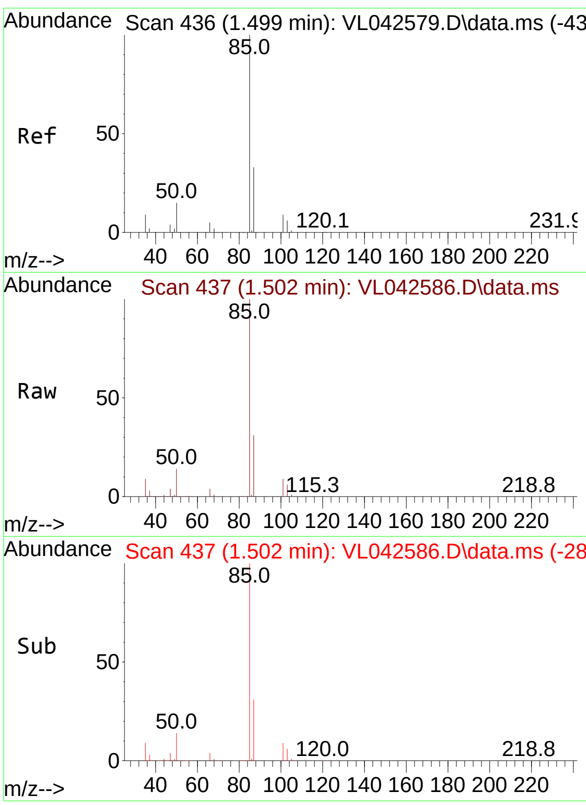
Ion	Ratio	Lower	Upper
49	100		
128	47.4	24.2	72.6
130	59.4	30.4	91.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED

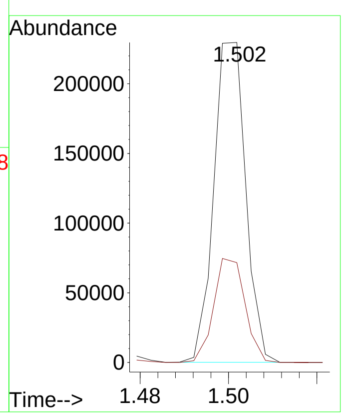
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

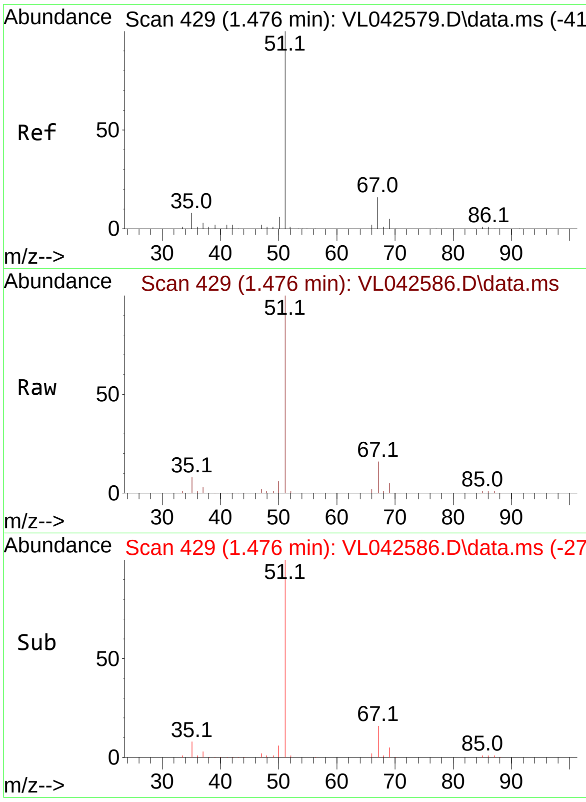


#2
Dichlorodifluoromethane
Concen: 9.156 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 85 Resp: 115266

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.6	39.8





#3
Chlorodifluoromethane
Concen: 8.658 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 51 Resp: 15010

Ion	Ratio	Lower	Upper
51	100		
67	16.5	13.4	20.2

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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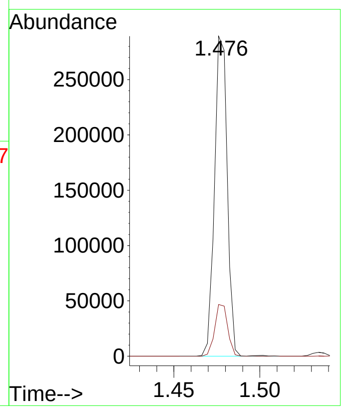
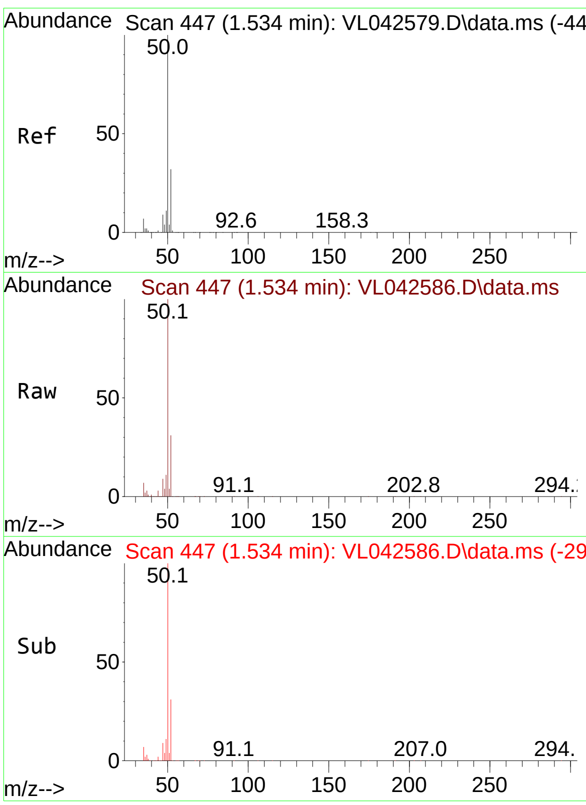
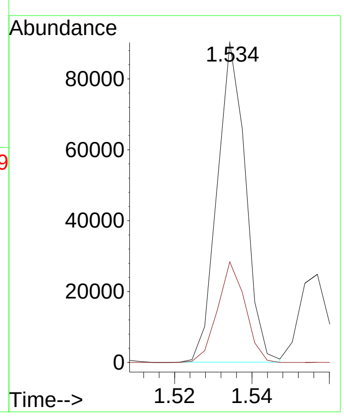


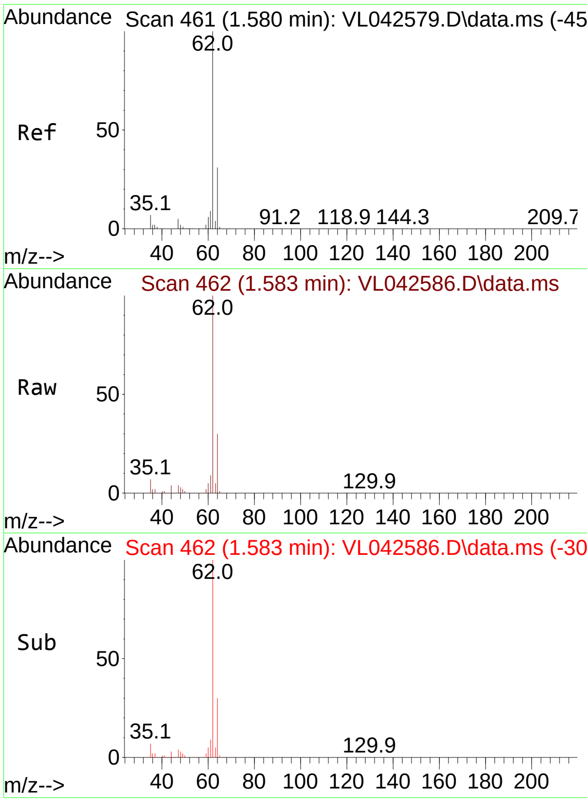


#4
Chloromethane
Concen: 9.220 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 50 Resp: 45964

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.8	38.6





#5
Vinyl Chloride
Concen: 8.650 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 62 Resp: 4392

Ion	Ratio	Lower	Upper
62	100		
64	30.1	24.9	37.3

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations
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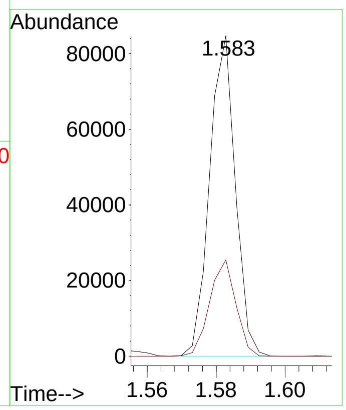
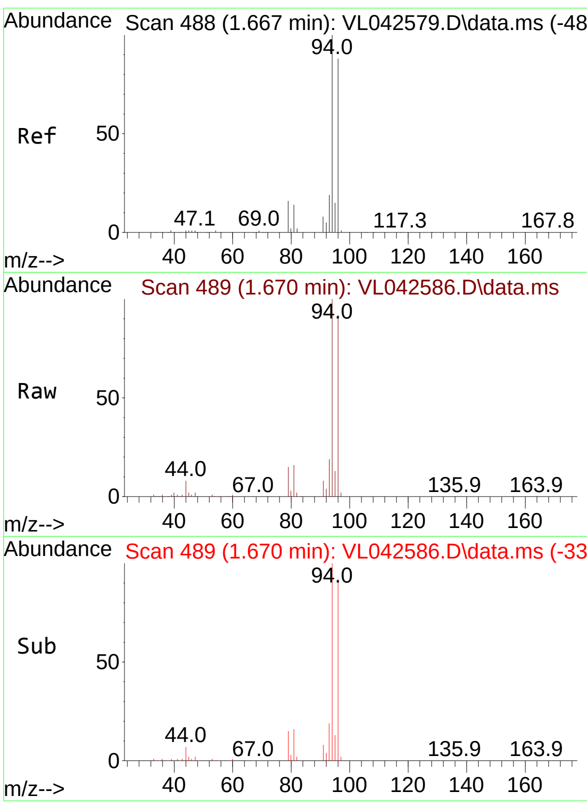
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

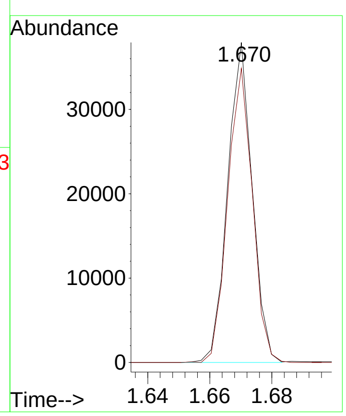


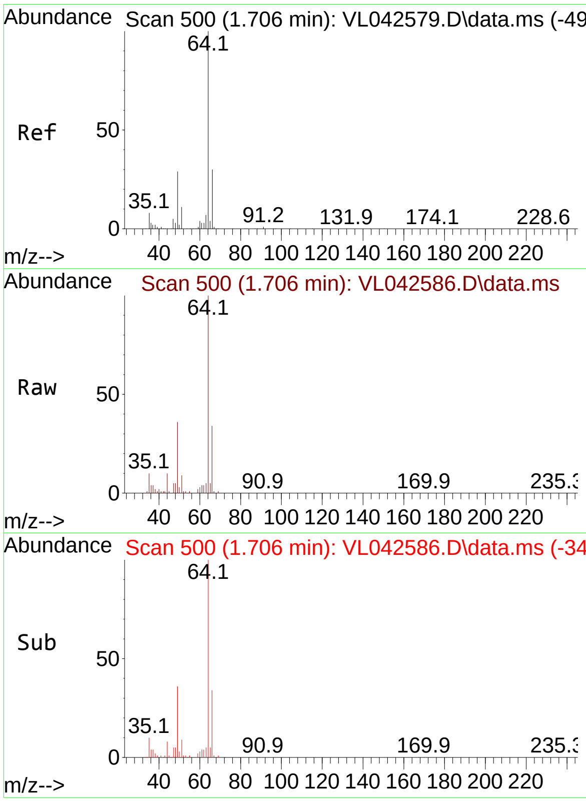


#6
Bromomethane
Concen: 8.455 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 94 Resp: 20899

Ion	Ratio	Lower	Upper
94	100		
96	91.9	70.7	106.1





#7
Chloroethane
Concen: 8.541 ppbv
RT: 1.706 min   Scan# 5(
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

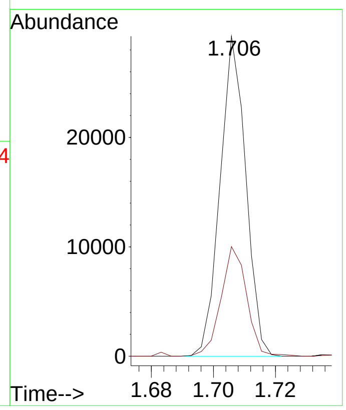
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

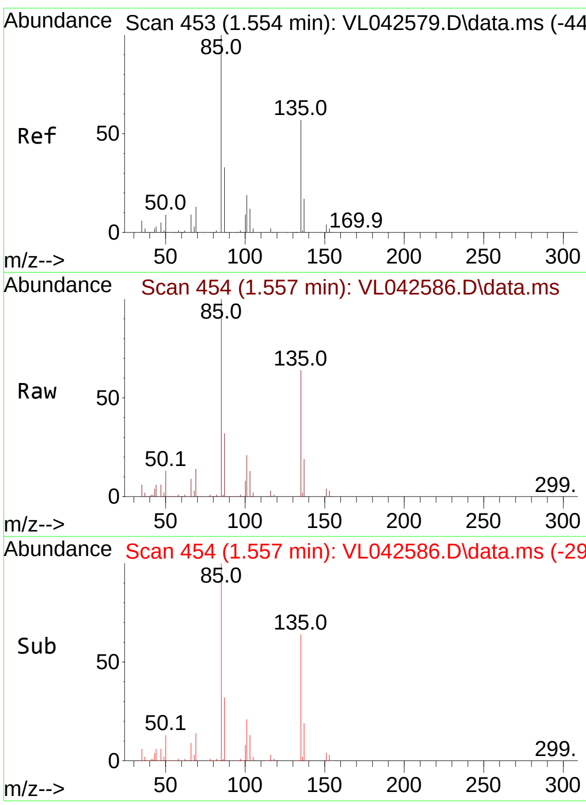
Tgt Ion: 64 Resp: 1685

Ion	Ratio	Lower	Upper
64	100		
66	34.3	24.3	36.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

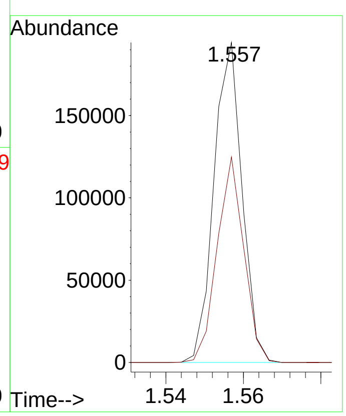


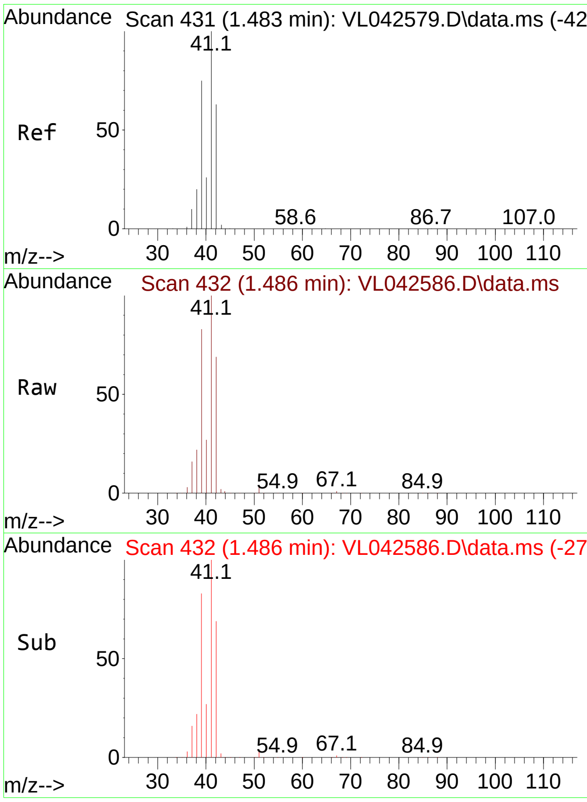


#8
Dichlorotetrafluoroethane
Concen: 9.325 ppbv
RT: 1.557 min   Scan# 454
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 85 Resp: 97812

Ion	Ratio	Lower	Upper
85	100		
135	61.2	50.2	75.4





#9
Propene
Concen: 8.688 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 41 Resp: 6066

Ion	Ratio	Lower	Upper
41	100		
42	68.4	53.3	79.9

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
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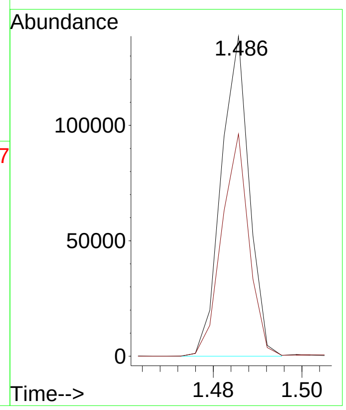
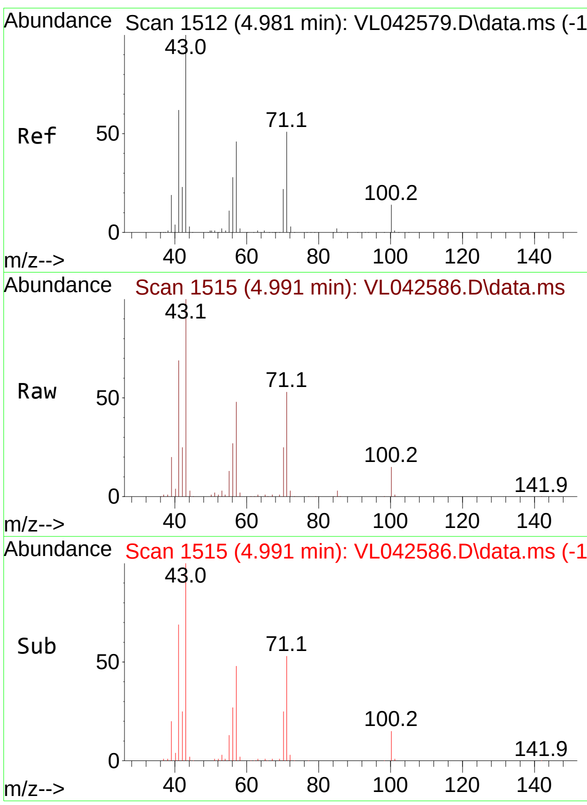
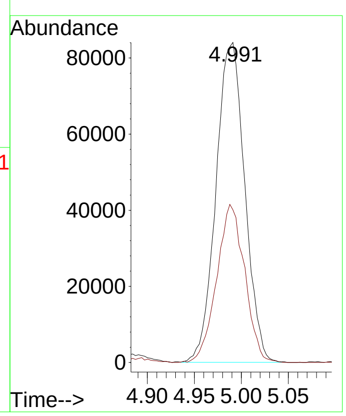


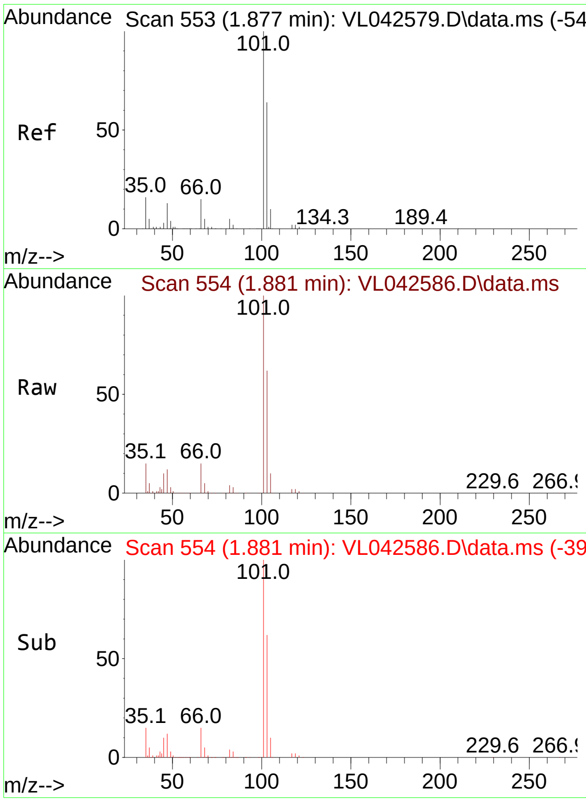


#10
Heptane
Concen: 9.102 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.010 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 179146

Ion	Ratio	Lower	Upper
43	100		
57	48.0	38.9	58.3





#11
Trichlorofluoromethane
Concen: 9.484 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:101 Resp: 11108

Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.5	77.3

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations
APPROVED

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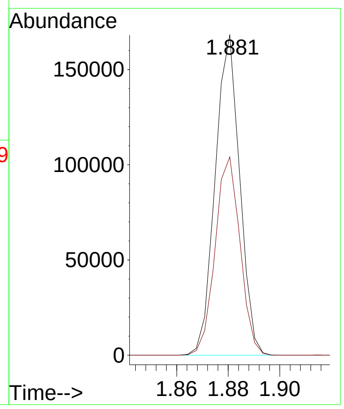
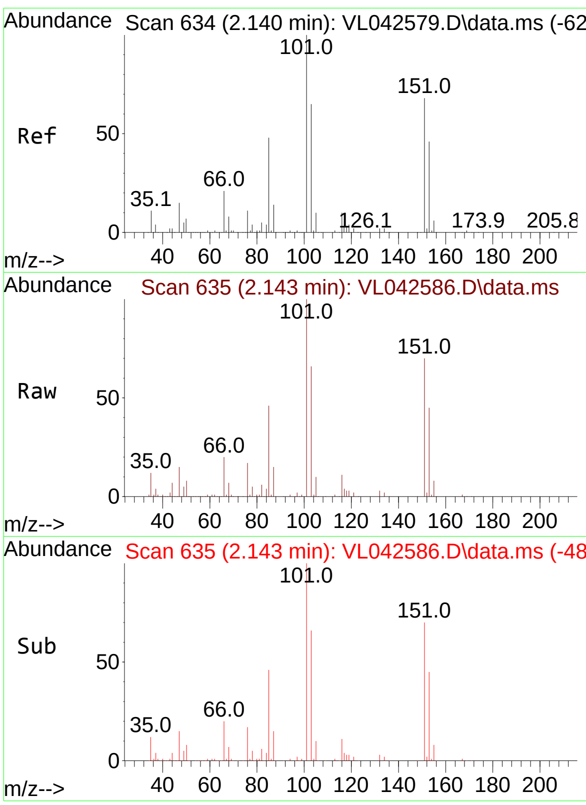
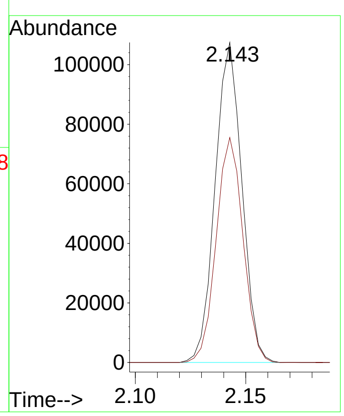


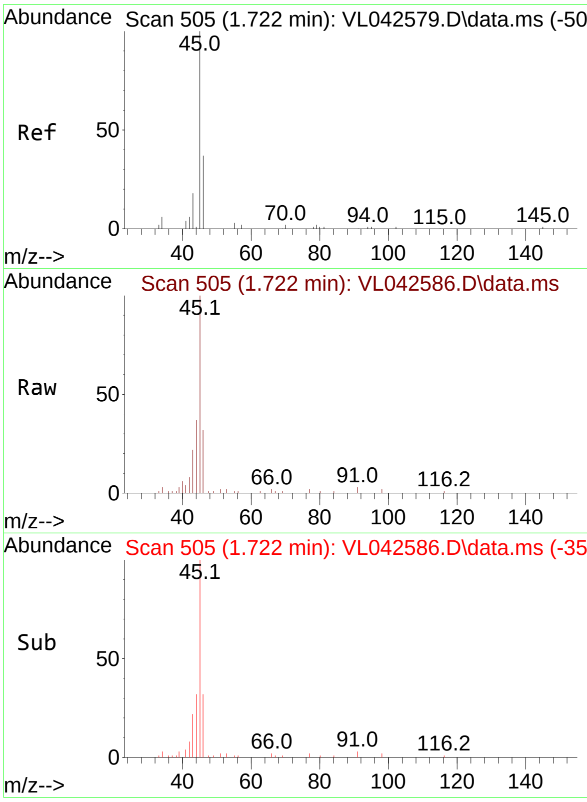


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.839 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:101 Resp: 90493

Ion	Ratio	Lower	Upper
101	100		
151	70.4	55.3	82.9





#13
Ethanol
Concen: 6.387 ppbv m
RT: 1.722 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 45 Resp: 531

Ion	Ratio	Lower	Upper
45	100		
46	35.6	14.5	58.1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED
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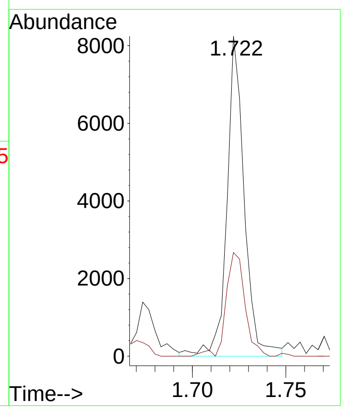
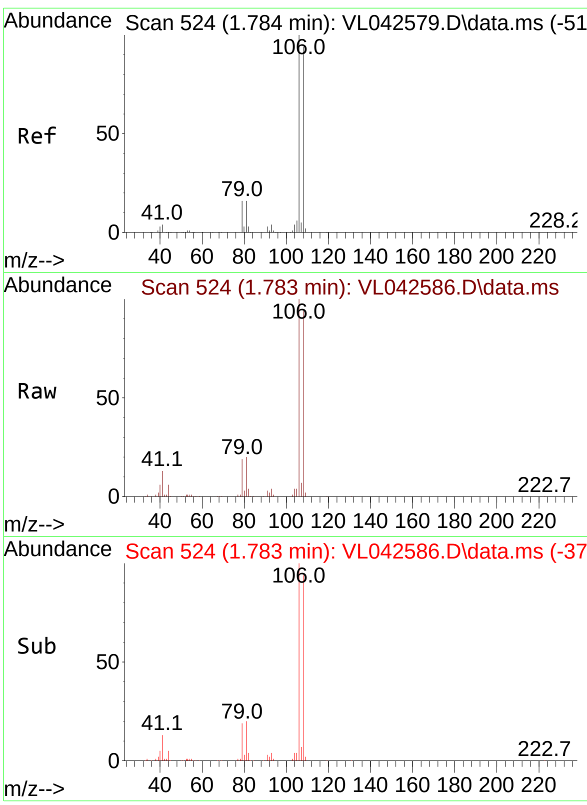
Supervised By :Mahesh Dadoda 05/30/2025

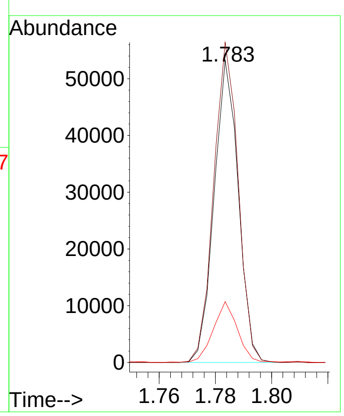


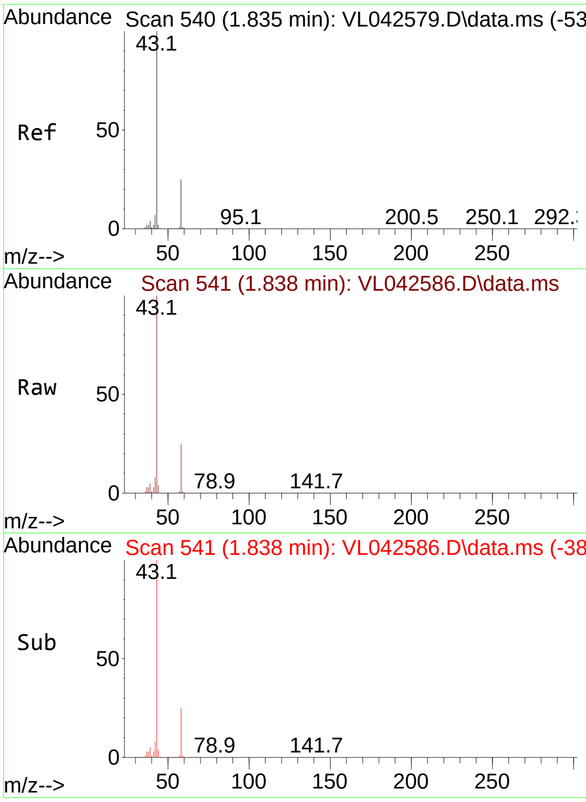


#14
Bromoethene
Concen: 9.215 ppbv
RT: 1.783 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:108 Resp: 31882

Ion	Ratio	Lower	Upper
108	100		
106	106.8	87.9	131.9
79	21.2	15.6	23.4





#15
Acetone
Concen: 7.596 ppbv
RT: 1.838 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 9371

Ion	Ratio	Lower	Upper
43	100		
58	25.5	21.0	31.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
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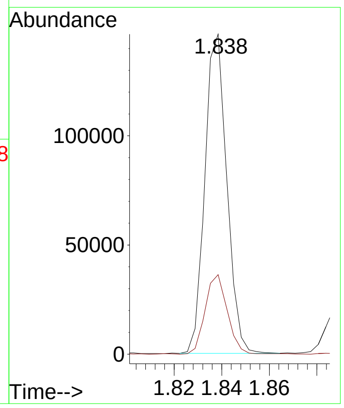
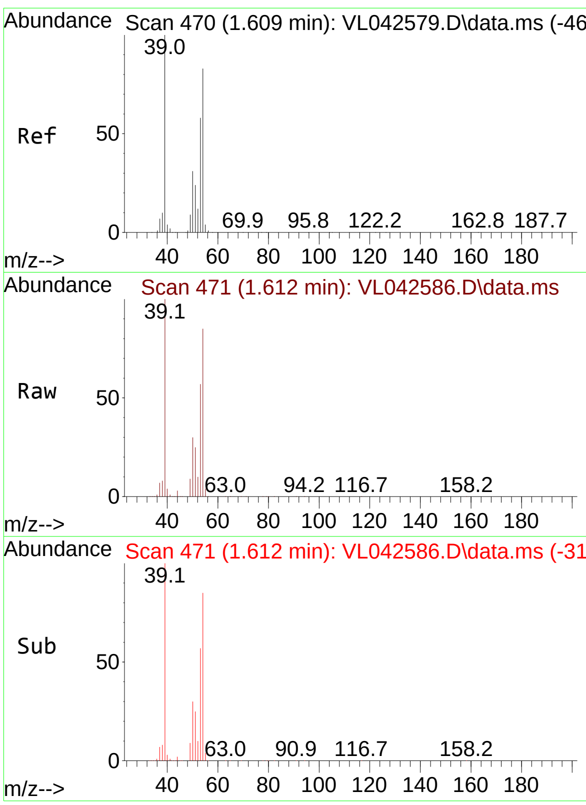
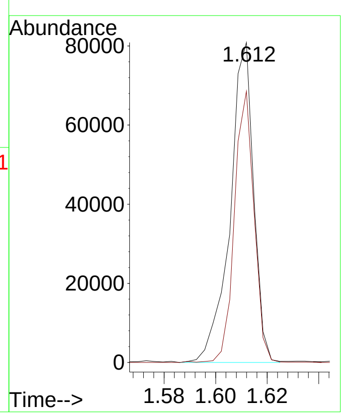


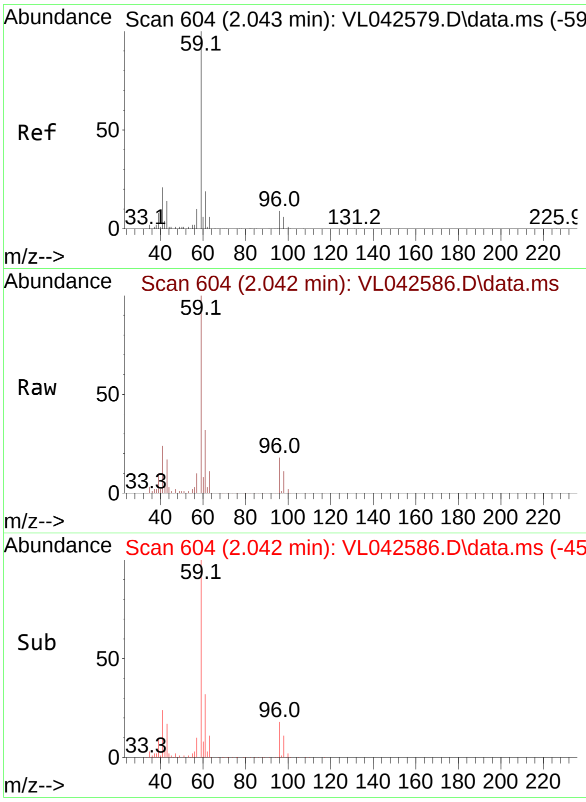


#16
1,3-Butadiene
Concen: 8.807 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 39 Resp: 51473

Ion	Ratio	Lower	Upper
39	100		
54	70.6	57.9	86.9






```
#17
tert-Butyl alcohol
Concen:     9.611 ppbv
RT:    2.042 min   Scan# 6
Delta R.T.   -0.000 min
Lab File:    VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 59 Resp:   12353
Ion   Ratio   Lower   Upper
 59   100
 57    11.0     8.6    12.8
```

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED

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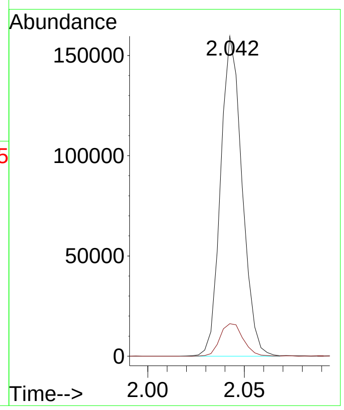

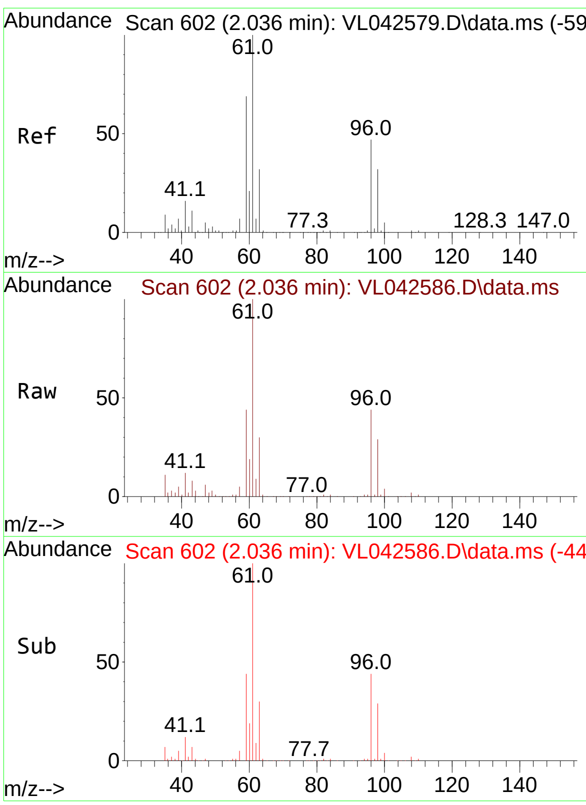


```
#18
1,1-Dichloroethene
Concen:     9.423 ppbv
RT:    2.036 min   Scan# 602
Delta R.T.   -0.000 min
Lab File:    VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 96 Resp:    40171
Ion   Ratio   Lower   Upper
 96   100
 61   225.1   171.1   256.7
 98    66.4    54.4    81.6
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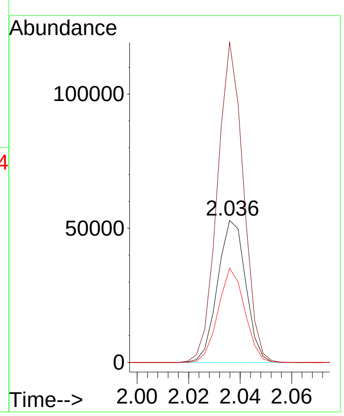

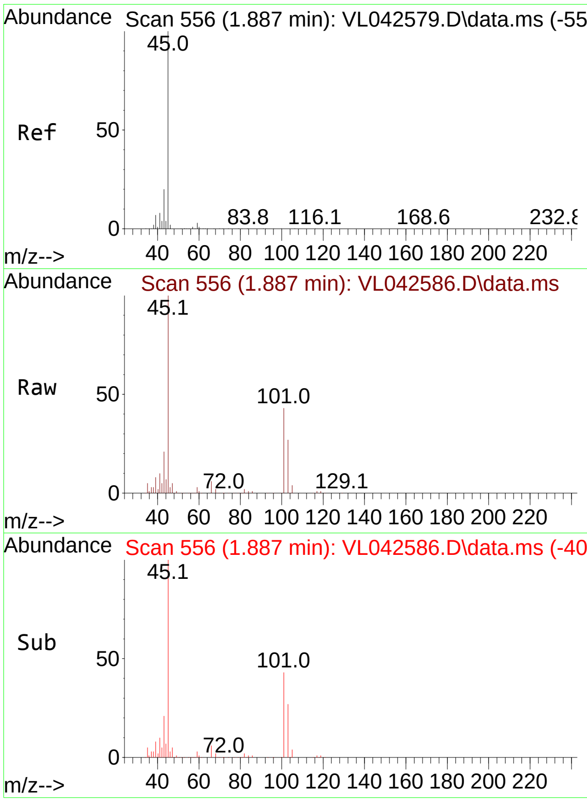

#19
Isopropyl Alcohol
Concen: 8.899 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 45 Resp: 6563

Ion	Ratio	Lower	Upper
45	100		
58	36.5	29.4	44.2

Manual Integrations
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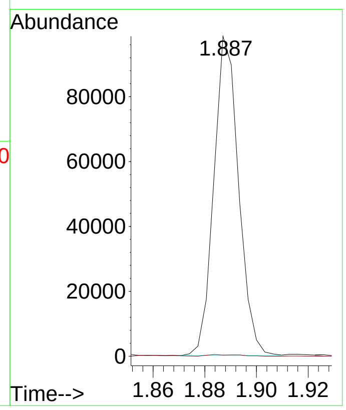
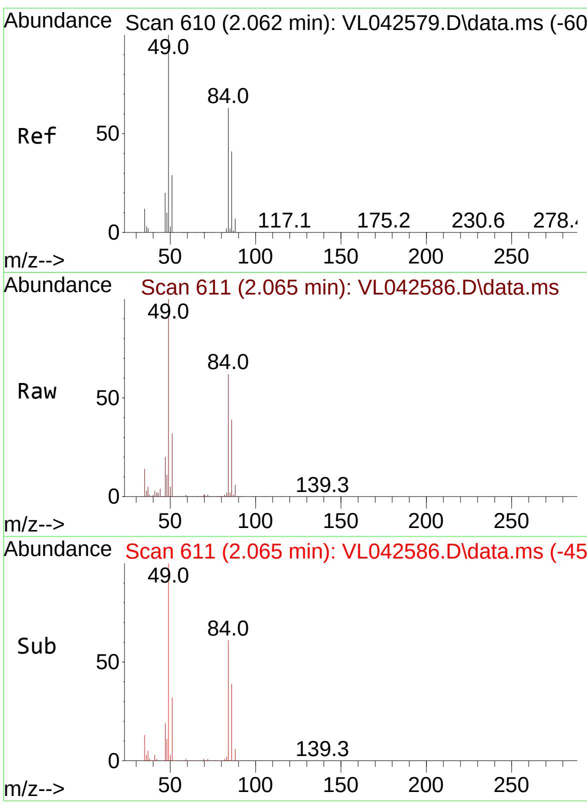
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

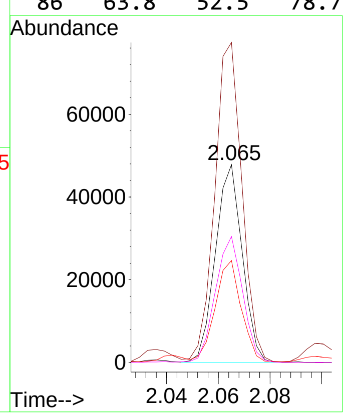


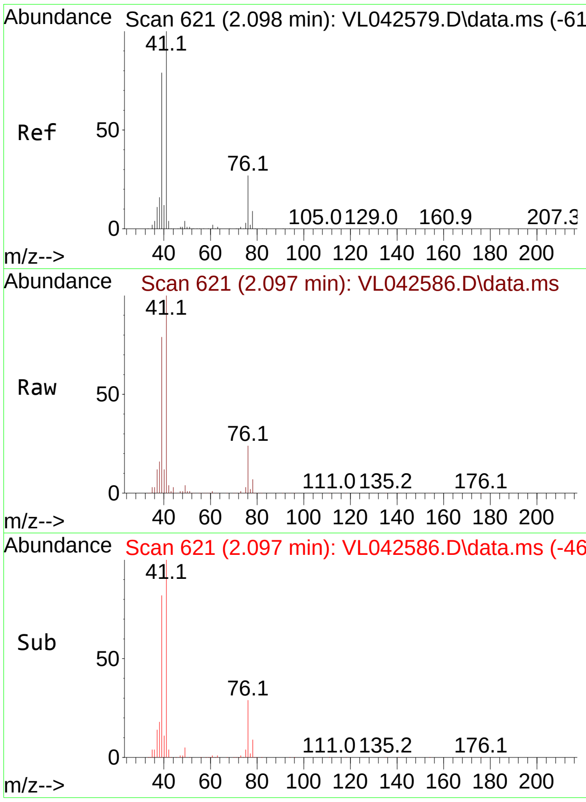


#20
Methylene Chloride
Concen: 8.444 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 84 Resp: 34380

Ion	Ratio	Lower	Upper
84	100		
49	161.6	128.8	193.2
51	51.3	38.6	57.8
86	63.8	52.5	78.7





#21
Allyl Chloride
Concen: 9.297 ppbv
RT: 2.097 min   Scan# 6
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 41 Resp: 8093

Ion	Ratio	Lower	Upper
41	100		
76	26.2	21.2	31.8
39	78.2	60.9	91.3

Manual Integrations
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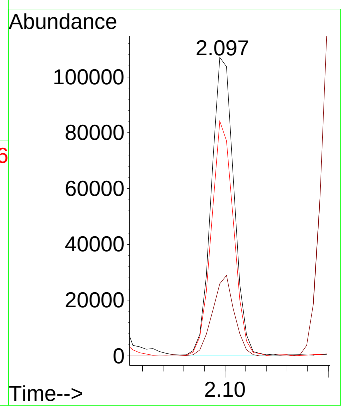
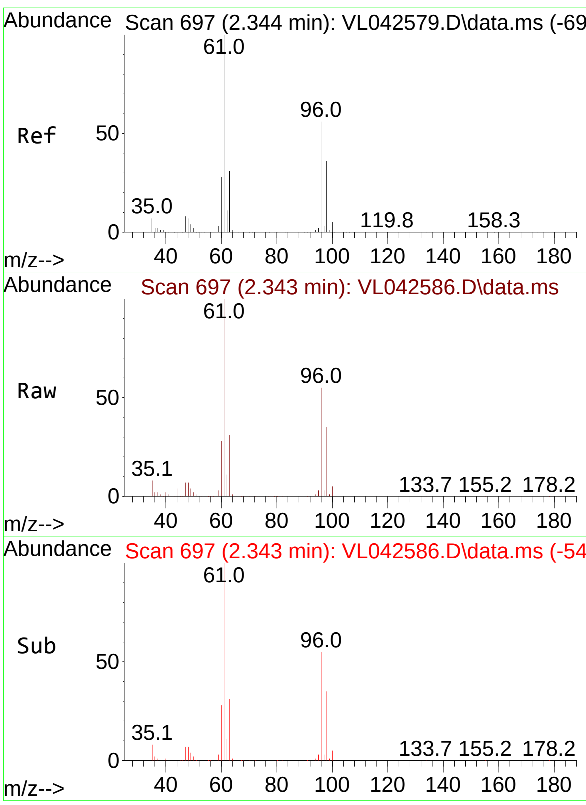
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

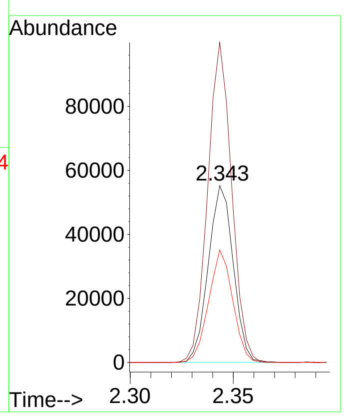


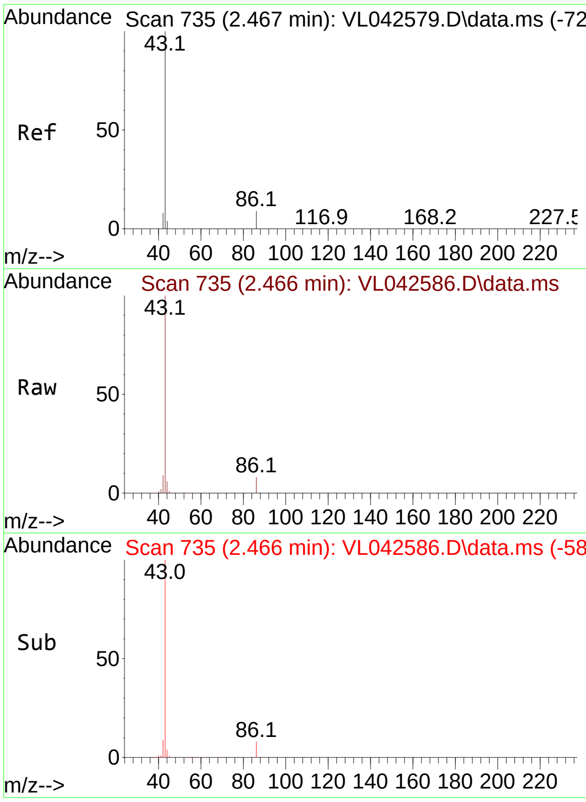


#22
trans-1,2-Dichloroethene
Concen: 9.742 ppbv
RT: 2.343 min   Scan# 697
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 96 Resp: 46389

Ion	Ratio	Lower	Upper
96	100		
61	180.9	142.6	214.0
98	63.6	51.0	76.4





#23
Vinyl Acetate
Concen: 10.103 ppbv
RT: 2.466 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 43 Resp: 16849

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.6	9.8
42	9.0	7.0	10.4
44	4.8	4.2	6.2

Manual Integrations
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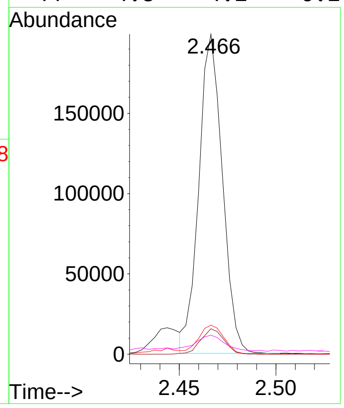
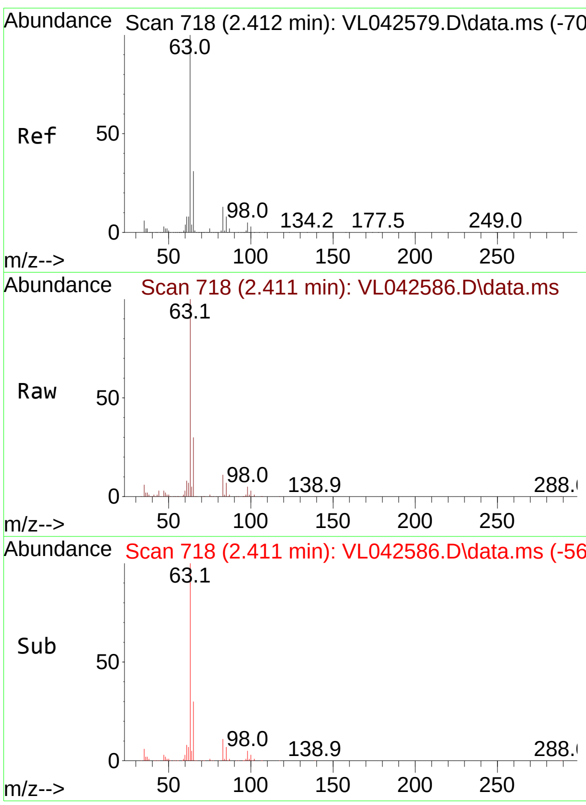
Supervised By :Mahesh Dadoda 05/30/2025

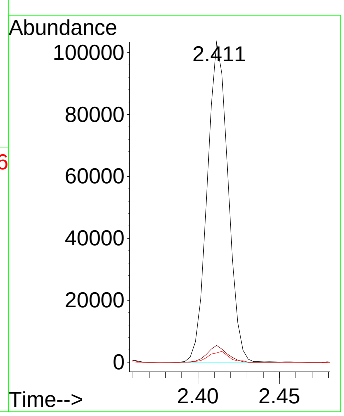


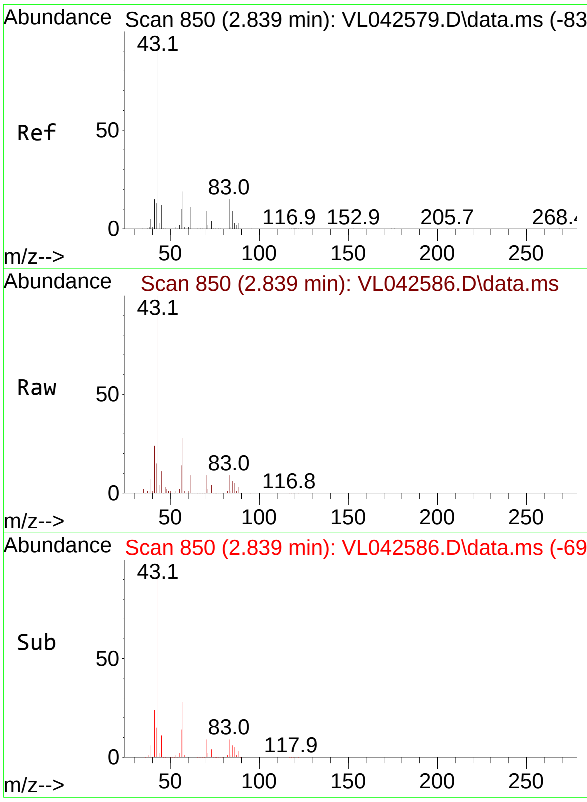


#24
1,1-Dichloroethane
Concen: 9.408 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 63 Resp: 92180

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.1
100	2.9	1.4	4.0





#25
Ethyl Acetate
Concen: 9.171 ppbv
RT: 2.839 min Scan# 8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 30966

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.2	12.2
61	8.6	7.1	10.7
70	8.3	6.4	9.6

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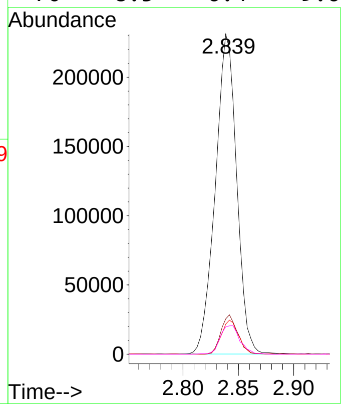
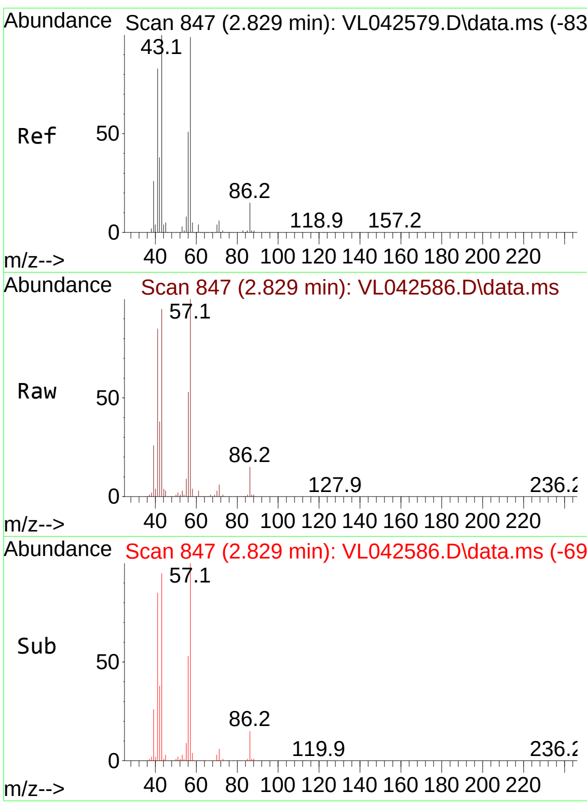
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

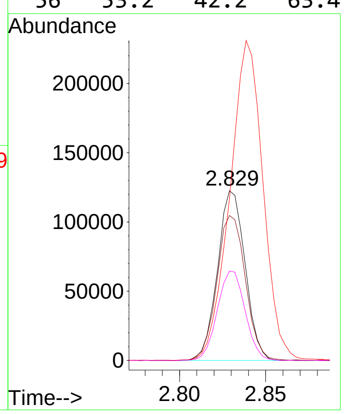


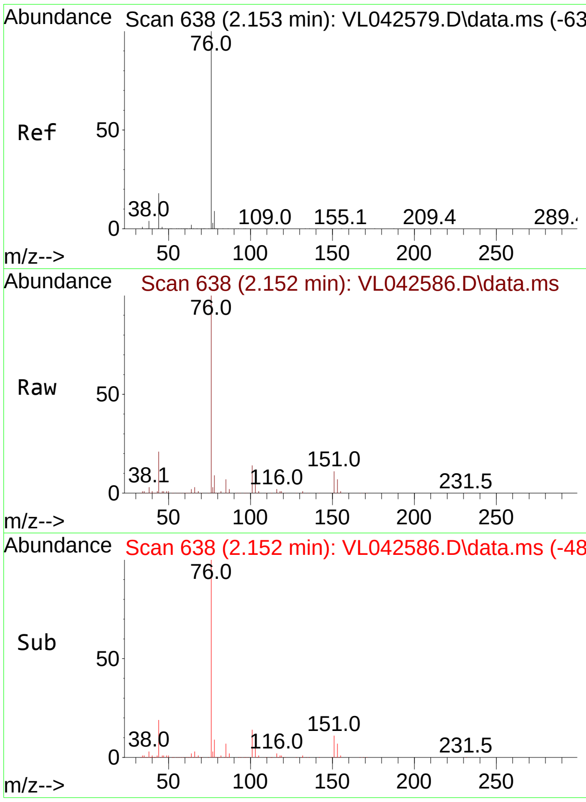


#26
Hexane
Concen: 8.889 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 57 Resp: 136378

Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.6	106.0
43	227.4	181.1	271.7
56	53.2	42.2	63.4





#27
Carbon Disulfide
Concen: 9.743 ppbv
RT: 2.152 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 76 Resp: 11475

Ion	Ratio	Lower	Upper
76	100		
44	20.4	21.3	31.9#
78	11.8	9.4	14.0

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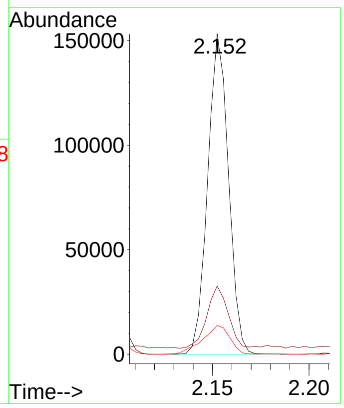
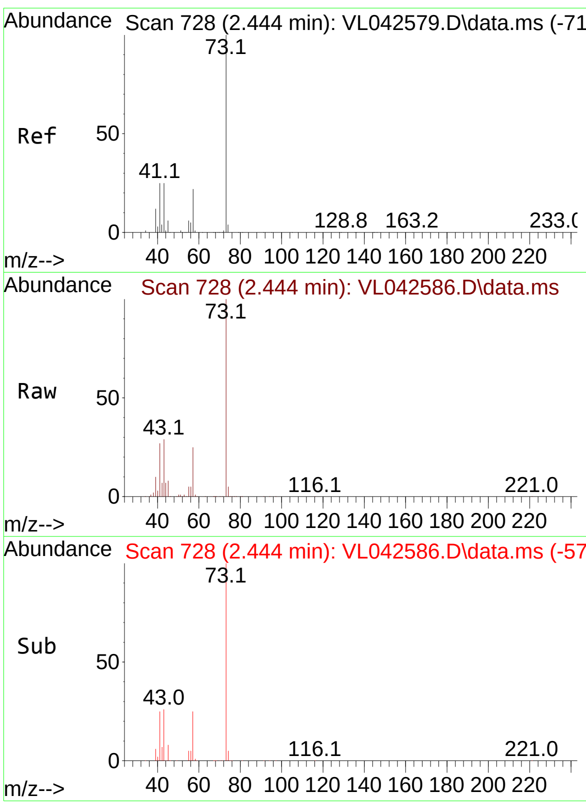
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

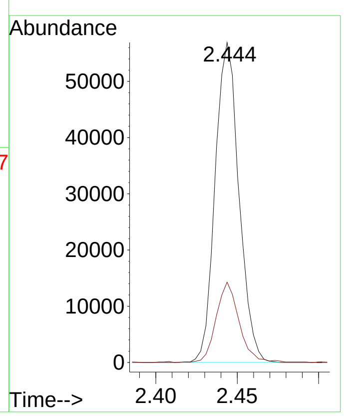


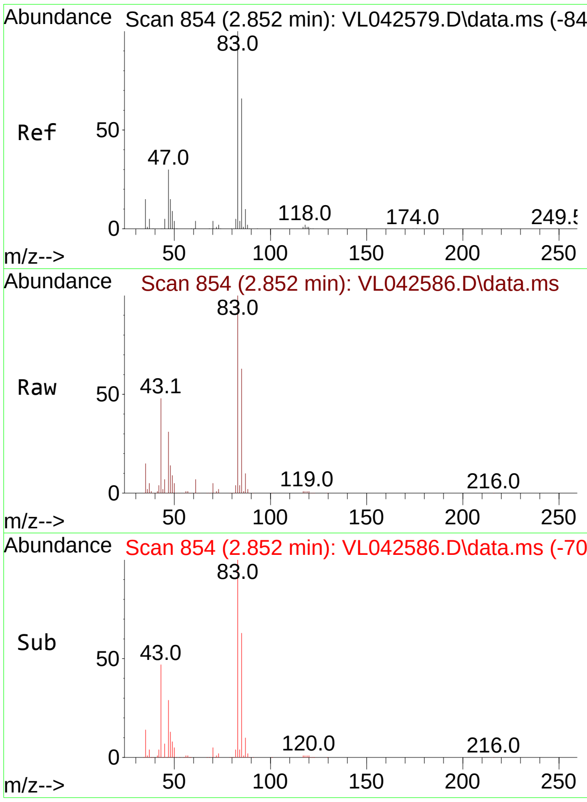


#28
Methyl tert-Butyl Ether
Concen: 9.302 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 73 Resp: 57913

Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.9	29.9





#29
Chloroform
Concen: 9.057 ppbv
RT: 2.852 min   Scan# 8
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 83 Resp: 18069

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.8	79.2

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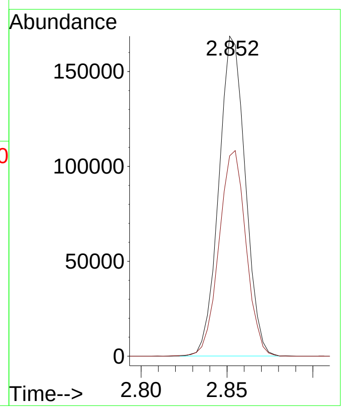
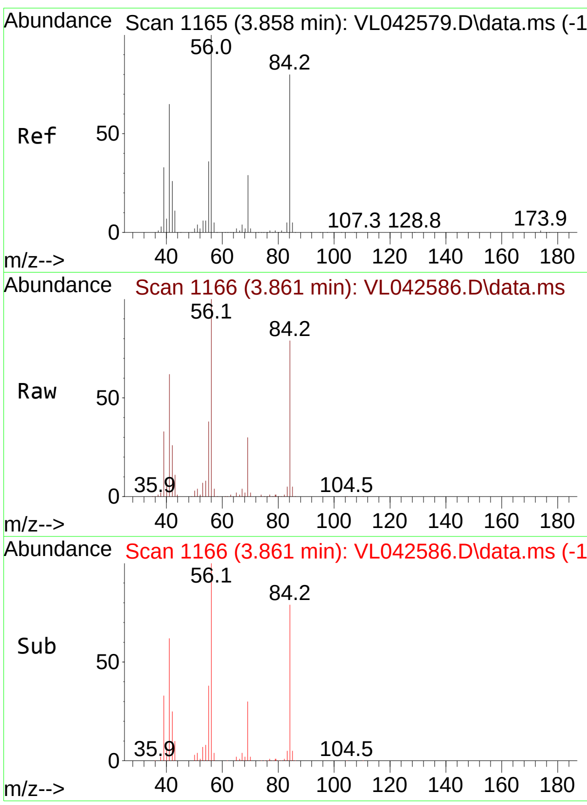
Supervised By :Mahesh Dadoda   05/30/2025

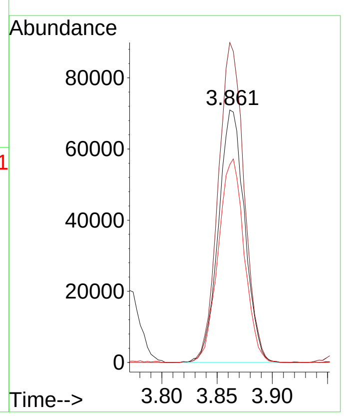


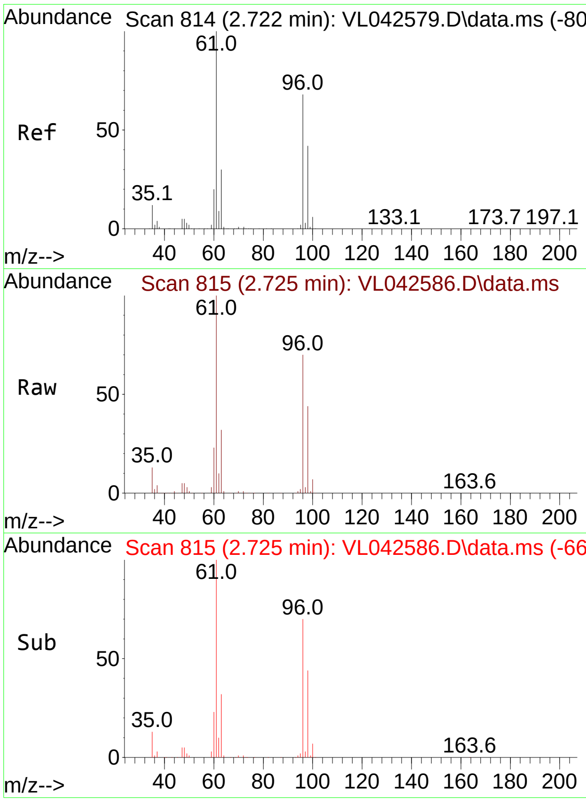


#30
Cyclohexane
Concen: 9.198 ppbv
RT: 3.861 min   Scan# 1166
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 84 Resp: 116986

Ion	Ratio	Lower	Upper
84	100		
56	125.0	103.7	155.5
41	80.6	65.1	97.7





#31
cis-1,2-Dichloroethene
Concen: 9.307 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

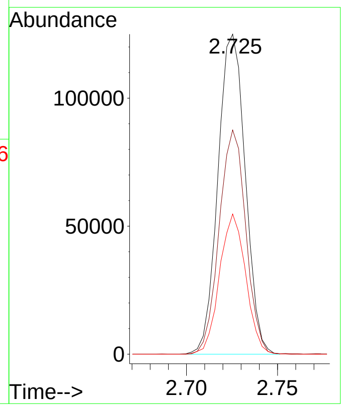
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

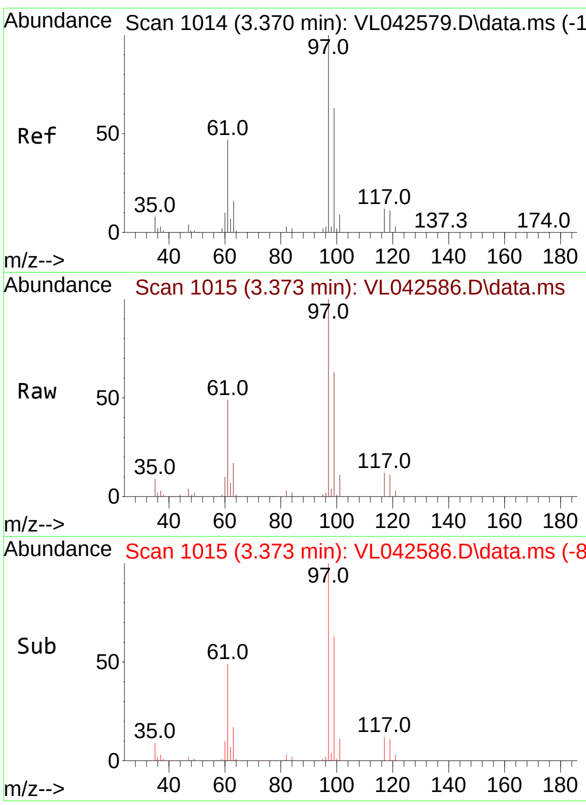
Tgt Ion: 61 Resp: 13061

Ion	Ratio	Lower	Upper
61	100		
96	70.0	54.5	81.7
98	43.8	33.4	50.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

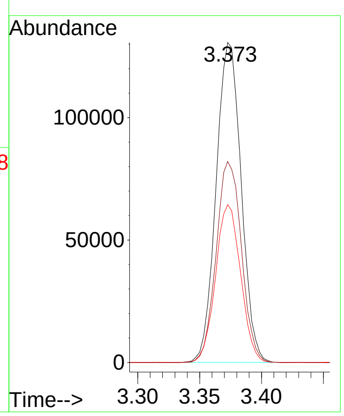


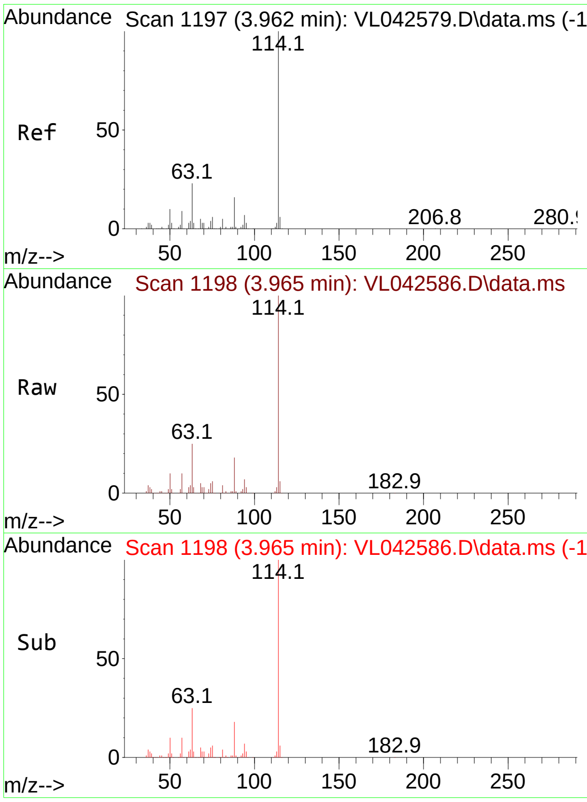


#32
1,1,1-Trichloroethane
Concen: 9.077 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 97 Resp: 185017

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	49.3	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:114 Resp: 301054
Ion Ratio Lower Upper
114 100
63 24.0 19.0 28.6
88 17.1 13.6 20.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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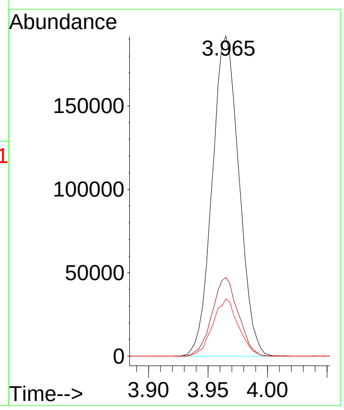
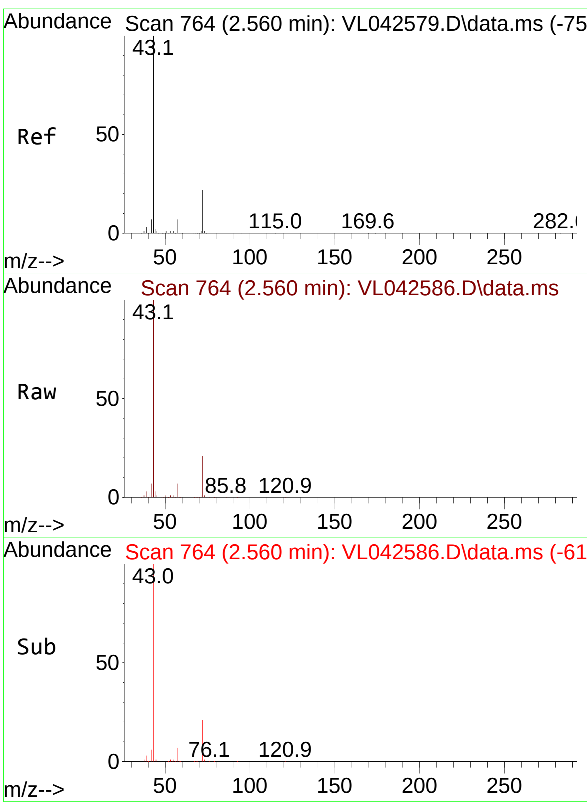
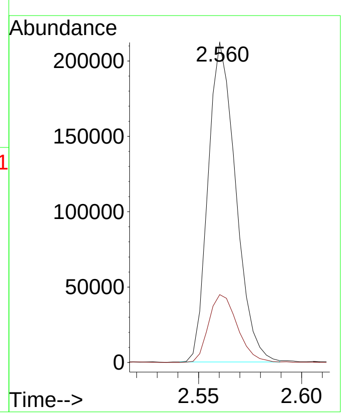
Supervised By :Mahesh Dadoda 05/30/2025

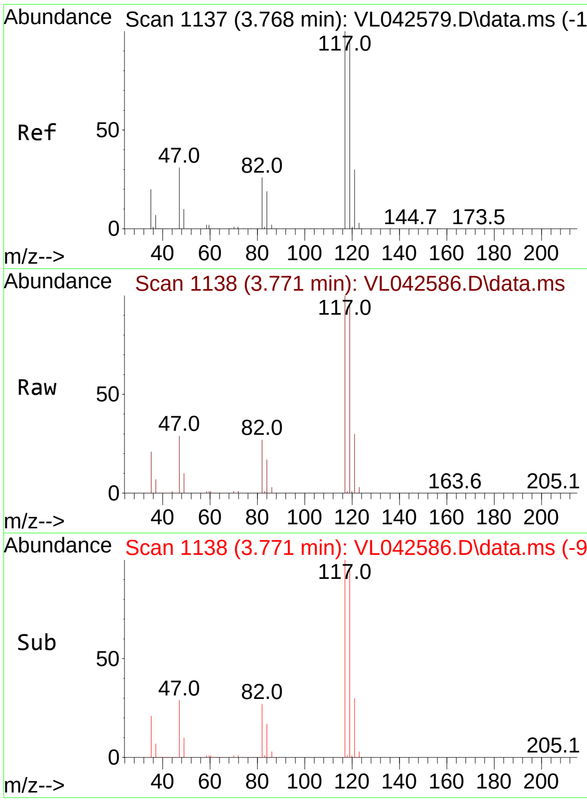




#34
2-Butanone
Concen: 9.233 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 198226
Ion Ratio Lower Upper
43 100
72 22.3 17.7 26.5





#35
Carbon Tetrachloride
Concen: 9.374 ppbv
RT: 3.771 min   Scan# 1
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

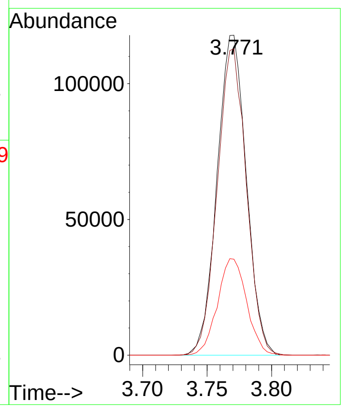
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

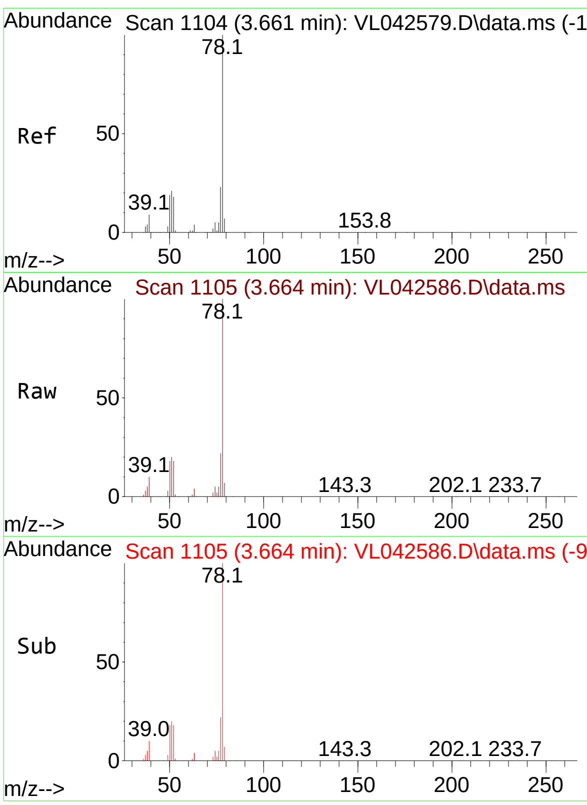
Tgt Ion:117 Resp: 18628

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	30.0	24.3	36.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

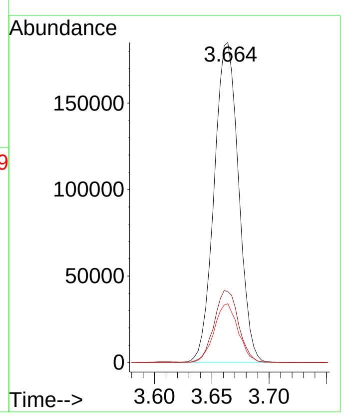


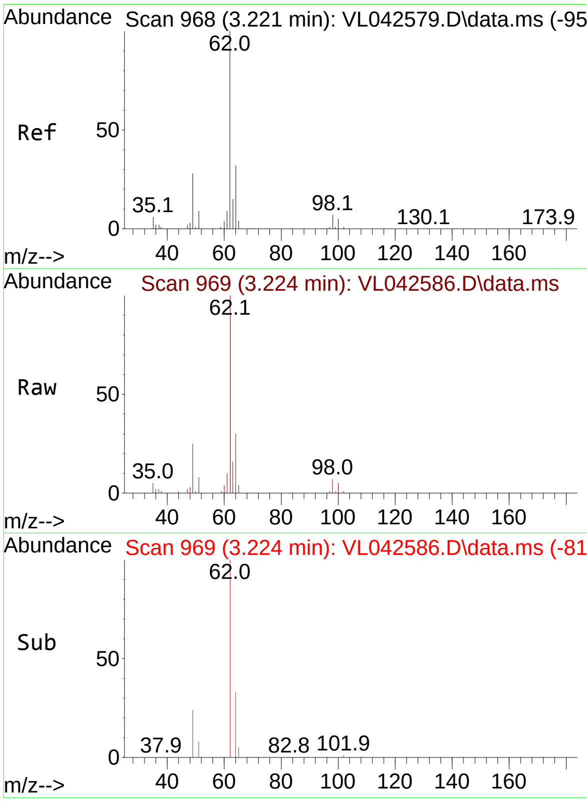


#36
Benzene
Concen: 9.253 ppbv
RT: 3.664 min   Scan# 1105
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 78 Resp: 274314

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.2	27.2
50	18.4	15.2	22.8





#37
1,2-Dichloroethane
Concen: 9.555 ppbv
RT: 3.224 min Scan# 9(
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

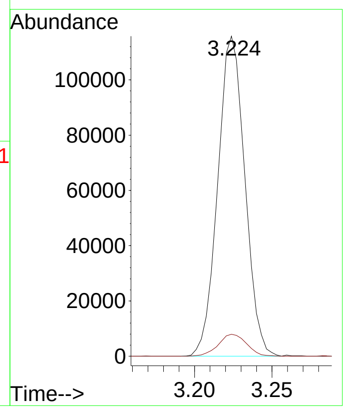
Instrument : MSVOA_L
ClientSampleId : ICVVL052925

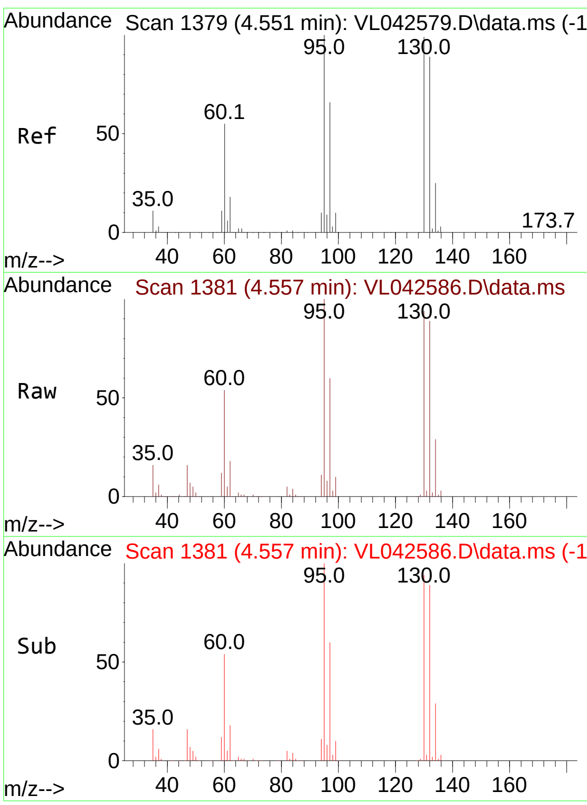
Tgt Ion: 62 Resp: 14078

Ion	Ratio	Lower	Upper
62	100		
98	7.1	6.1	9.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

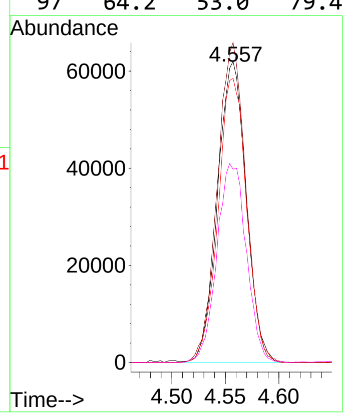


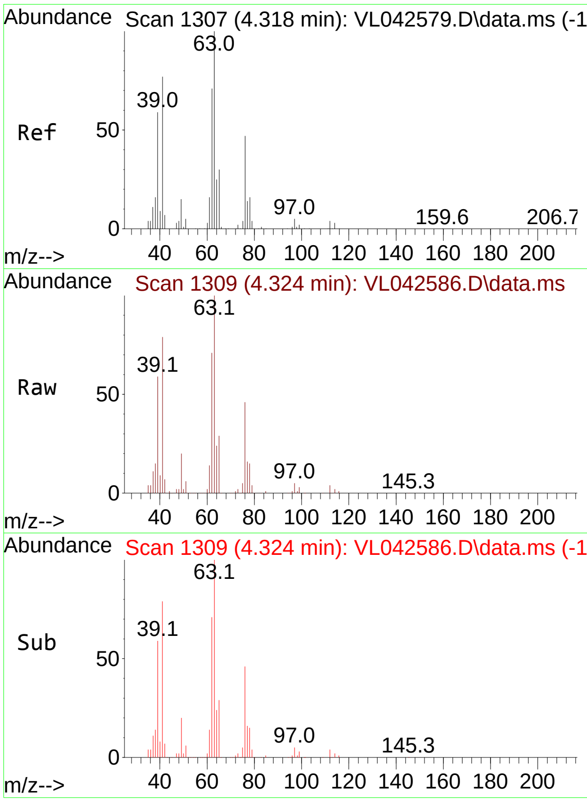


#38
Trichloroethene
Concen: 9.133 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:130 Resp: 115086

Ion	Ratio	Lower	Upper
130	100		
95	106.1	80.6	121.0
132	94.4	71.8	107.6
97	64.2	53.0	79.4





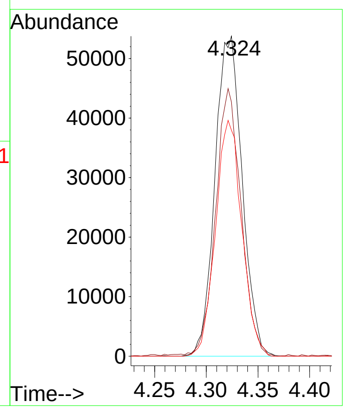
#39
1,2-Dichloropropane
Concen: 8.988 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

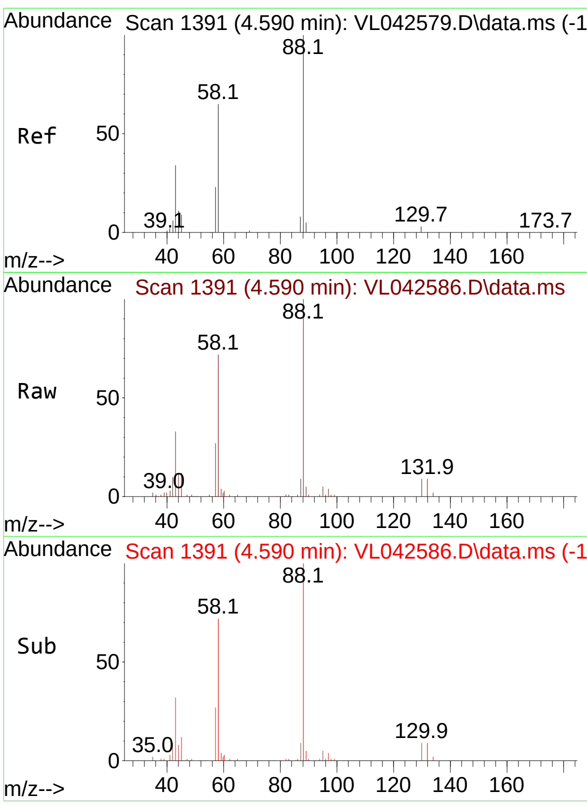
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 63 Resp: 9854

Ion	Ratio	Lower	Upper
63	100		
41	79.3	61.8	92.6
62	70.6	56.6	85.0

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

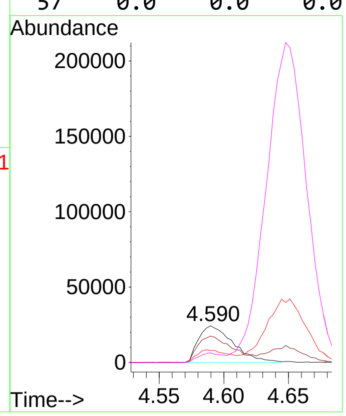


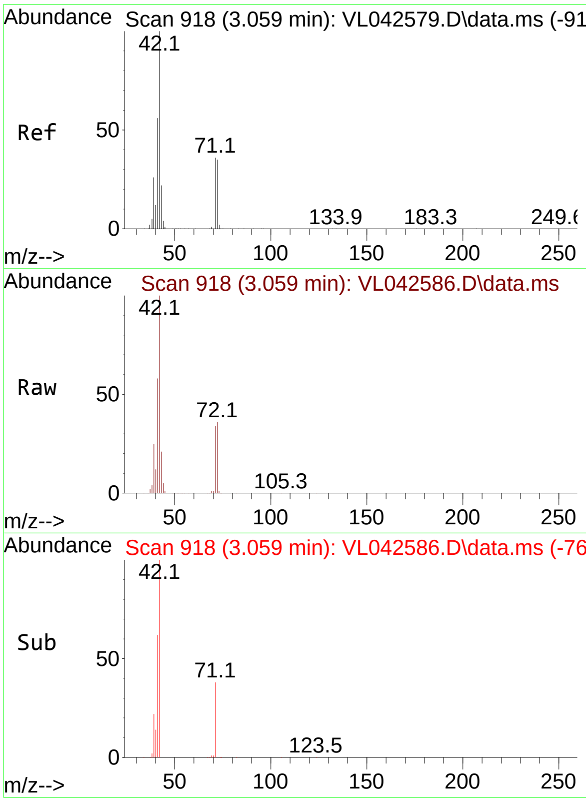


#40
1,4-Dioxane
Concen: 9.306 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 88 Resp: 45655

Ion	Ratio	Lower	Upper
88	100		
58	68.9	55.8	83.8
43	30.9	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.309 ppbv
RT: 3.059 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 42 Resp: 11698

Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.9	43.3
71	34.6	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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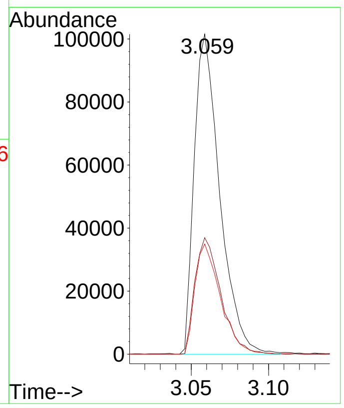
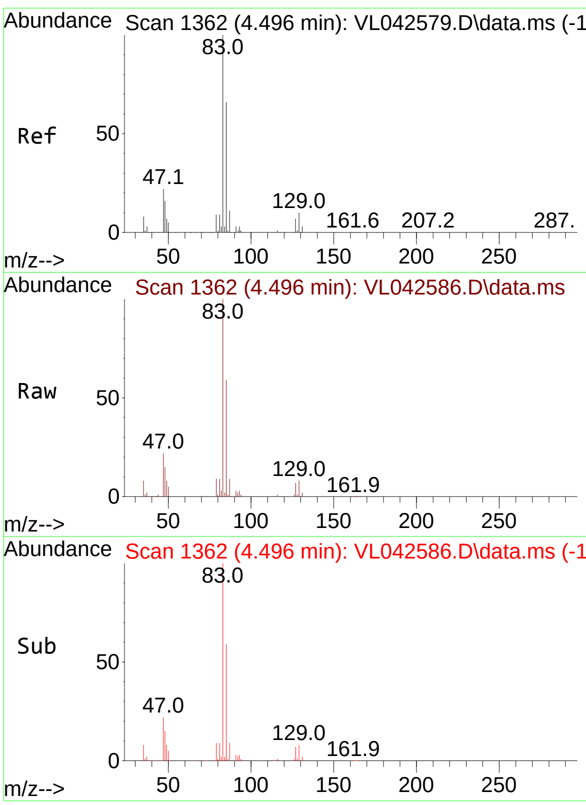
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

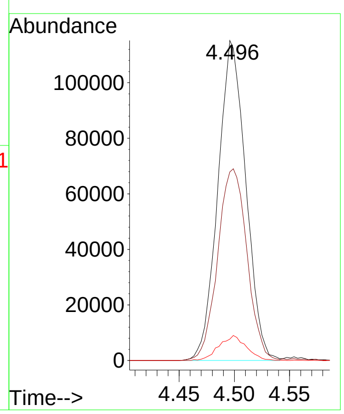


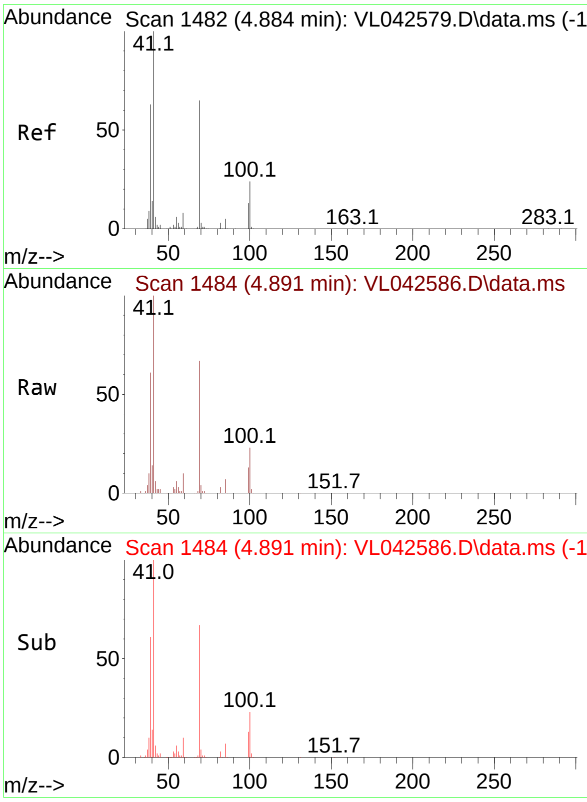


#42
Bromodichloromethane
Concen: 9.676 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 83 Resp: 202489

Ion	Ratio	Lower	Upper
83	100		
85	58.9	52.7	79.1
127	6.7	5.8	8.6





#43
Methyl Methacrylate
Concen: 9.421 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 69 Resp: 108397

Ion	Ratio	Lower	Upper
69	100		
41	157.1	124.6	187.0
100	36.8	29.9	44.9

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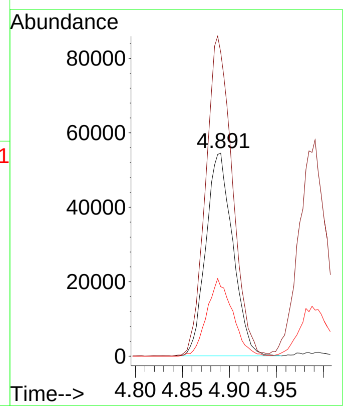
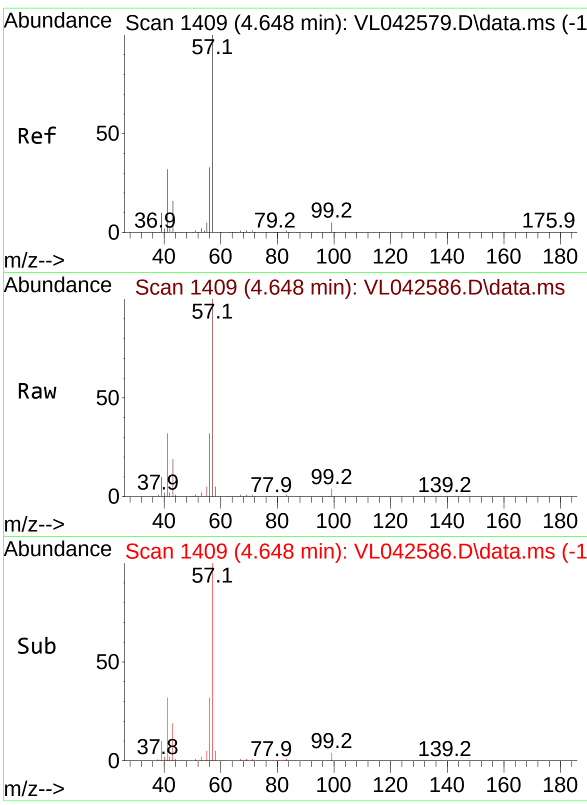
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

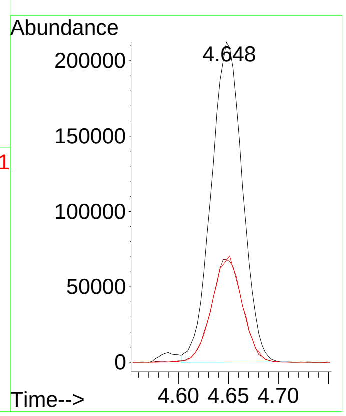


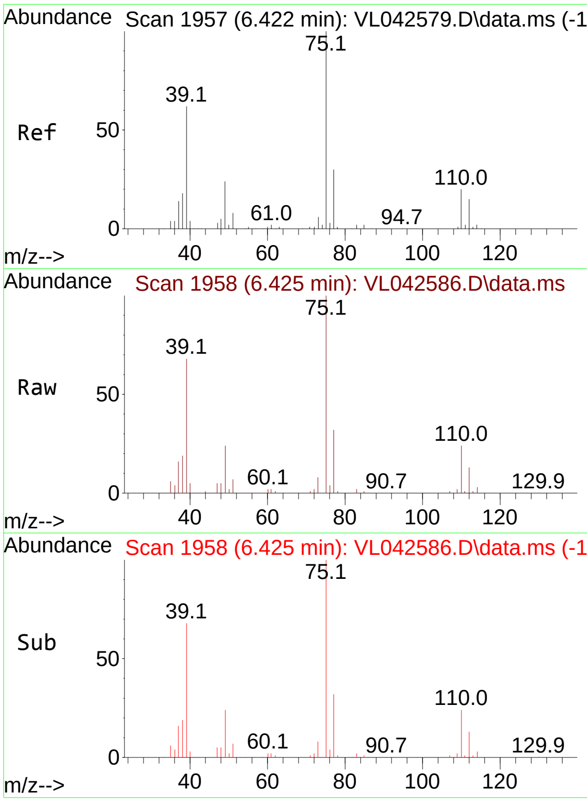


#44
2,2,4-Trimethylpentane
Concen: 9.093 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 57 Resp: 461095

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.1	39.1
56	32.4	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 9.538 ppbv m
RT: 6.425 min   Scan# 1
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 75 Resp: 12558
Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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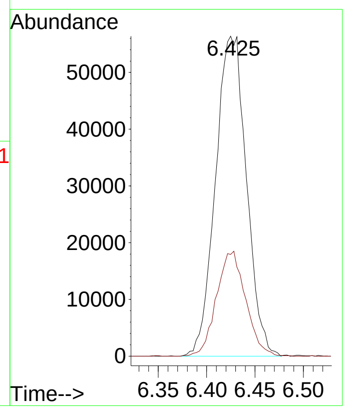
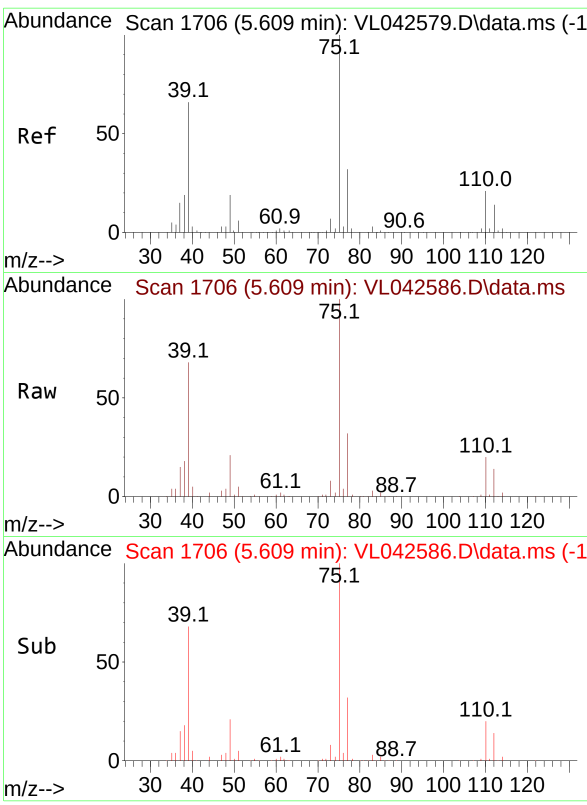
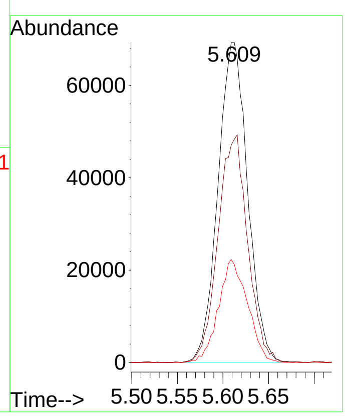
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

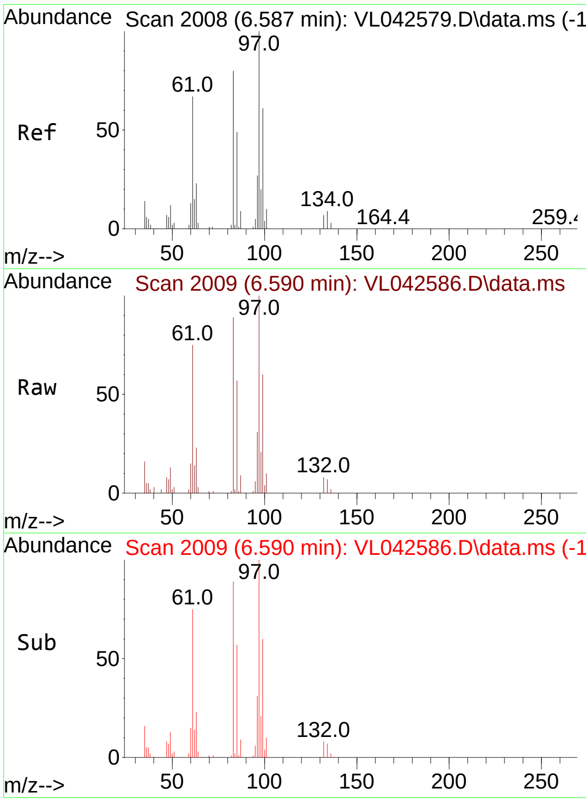




#46
cis-1,3-Dichloropropene
Concen: 9.505 ppbv
RT: 5.609 min   Scan# 1706
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 75 Resp: 156828
Ion	Ratio	Lower	Upper
75	100		
39	68.0	52.7	79.1
77	32.2	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 9.088 ppbv
RT: 6.590 min Scan# 2(
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 97 Resp: 103138

Ion	Ratio	Lower	Upper
97	100		
83	88.6	63.9	95.9
85	57.0	39.2	58.8
99	60.2	49.0	73.4

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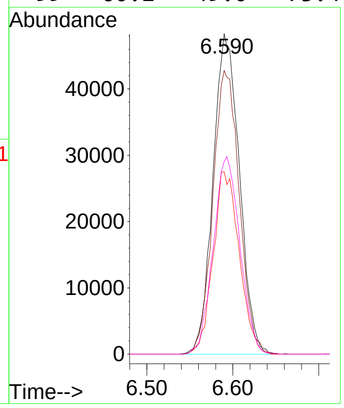
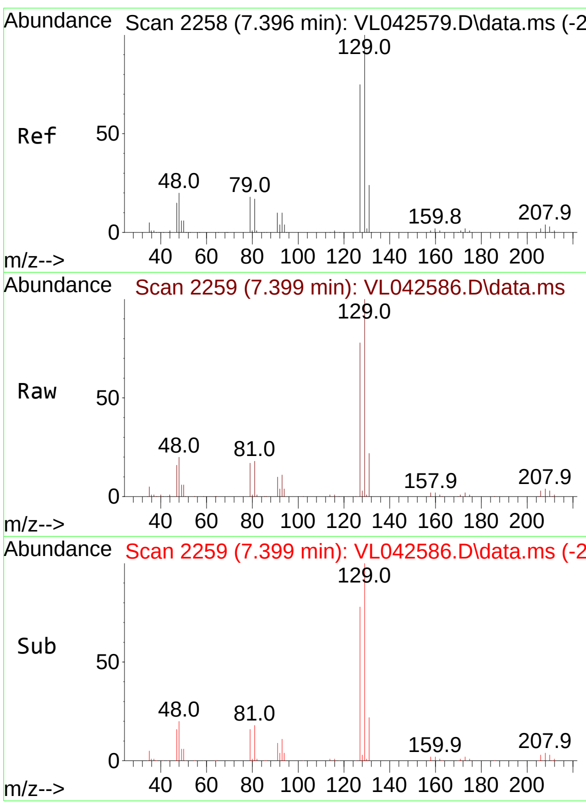
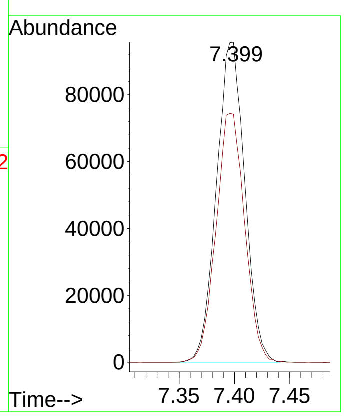


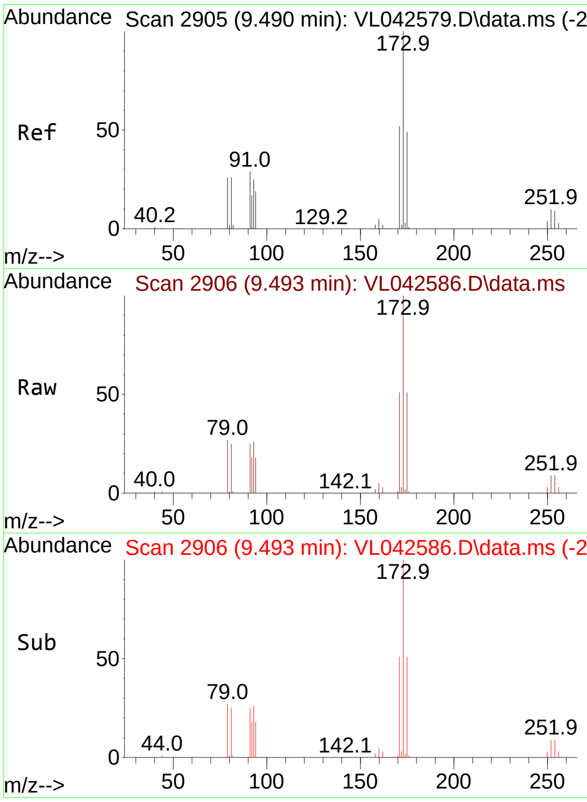


#48
Dibromochloromethane
Concen: 9.391 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:129 Resp: 170606

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	116.9





#49
Bromoform
Concen: 9.742 ppbv
RT: 9.493 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:173 Resp: 15272

Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.7	58.1
171	50.6	41.2	61.8

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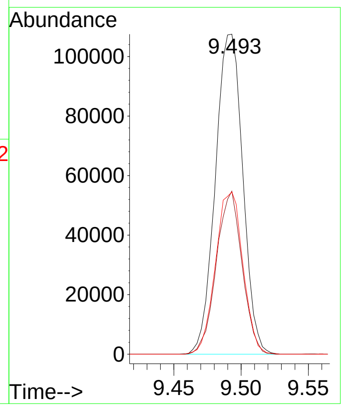
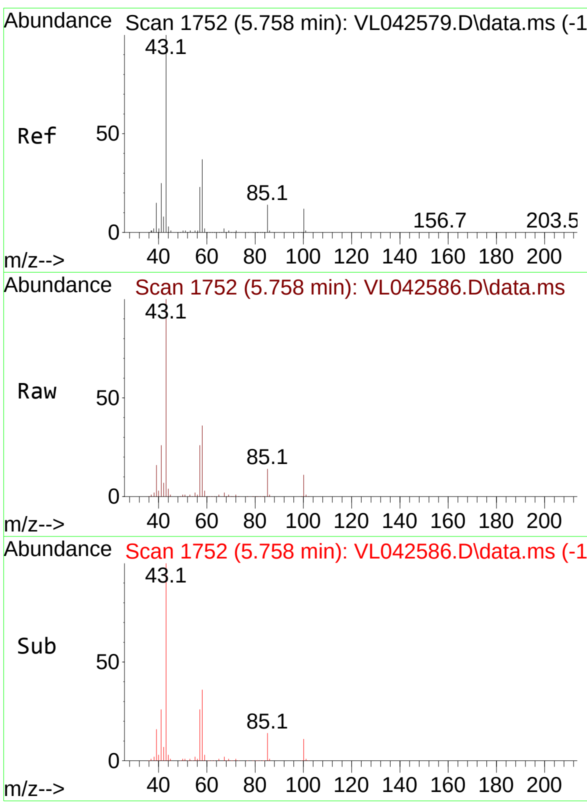
Supervised By :Mahesh Dadoda 05/30/2025

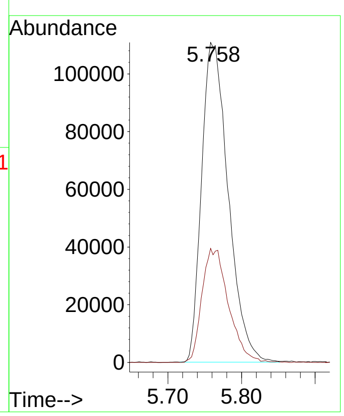


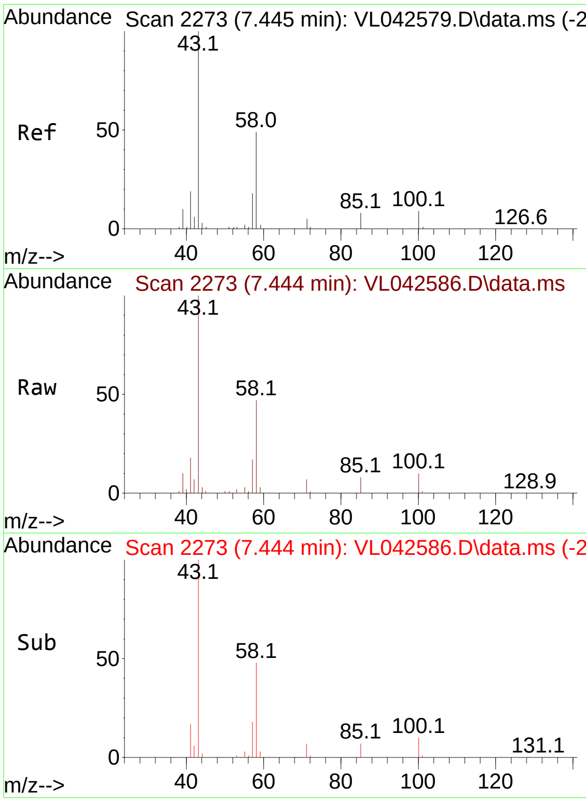


#50
4-Methyl-2-Pentanone
Concen: 9.369 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 278990

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.3	42.5





#51
2-Hexanone
Concen: 9.655 ppbv
RT: 7.444 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 43 Resp: 22803

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.9	59.9
98	0.1	0.1	0.1

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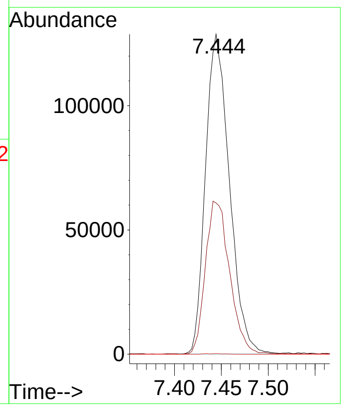
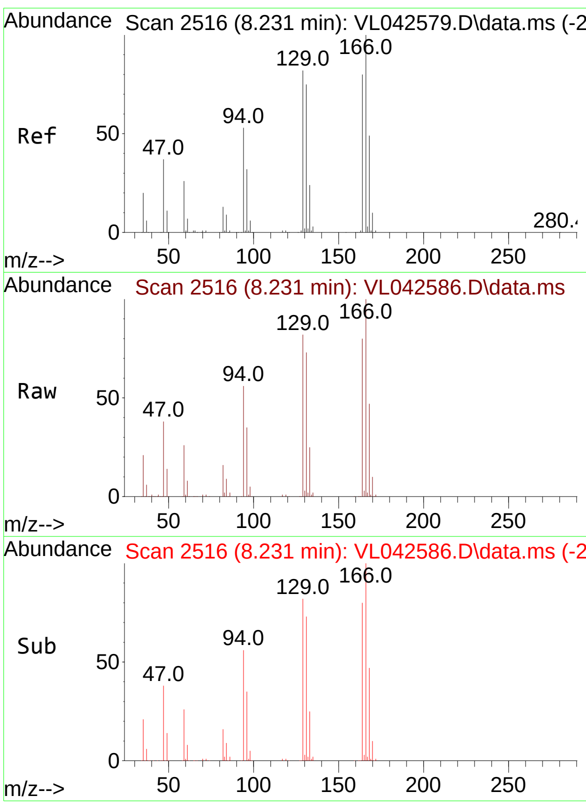
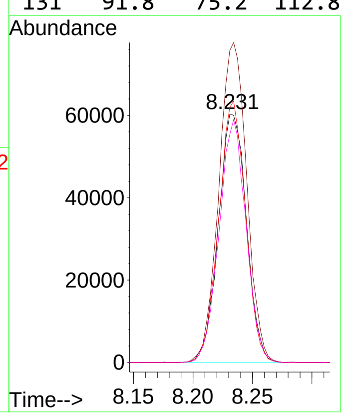


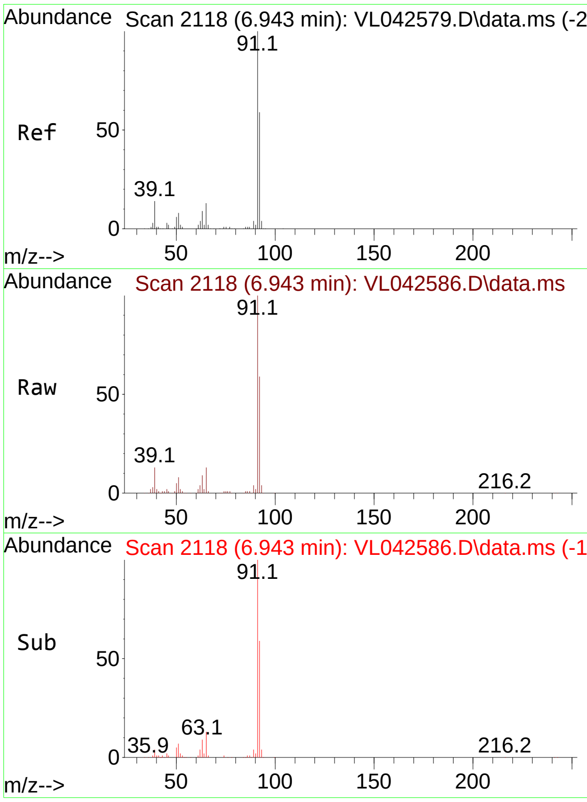


#52
Tetrachloroethene
Concen: 8.925 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:164 Resp: 98872

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.0	150.0
129	102.6	82.2	123.4
131	91.8	75.2	112.8





#53
Toluene
Concen: 9.329 ppbv
RT: 6.943 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 91 Resp: 31964(

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4

Manual Integrations
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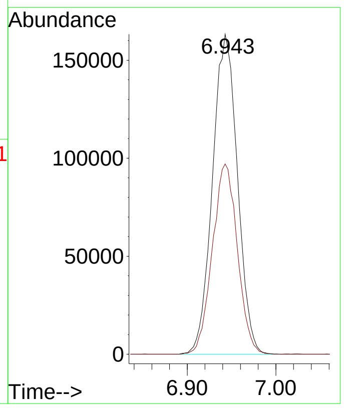
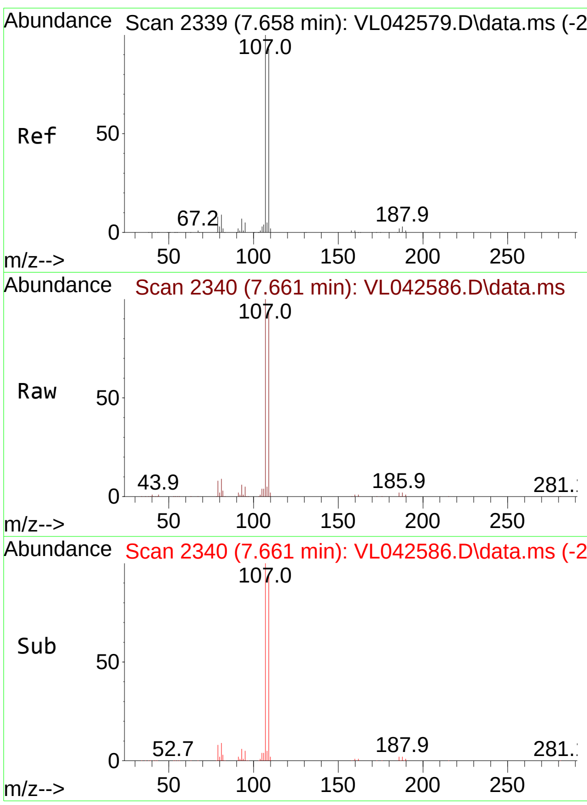
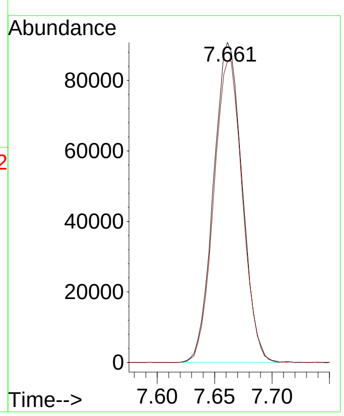


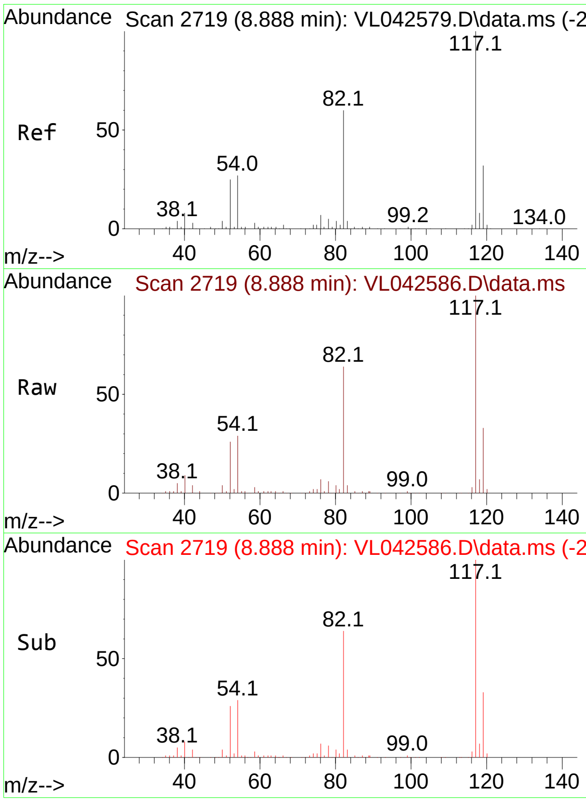


#54
1,2-Dibromoethane
Concen: 9.364 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:107 Resp: 157298

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.3	111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:117 Resp: 27587

Ion	Ratio	Lower	Upper
117	100		
82	65.3	51.2	76.8
119	31.5	26.3	39.5

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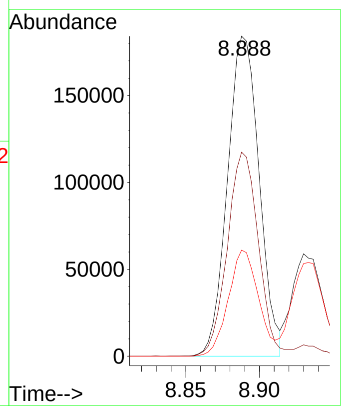
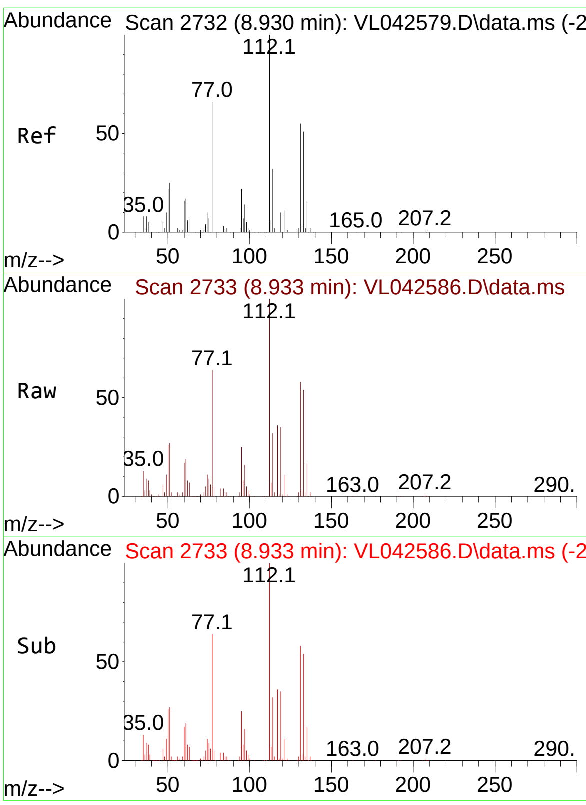
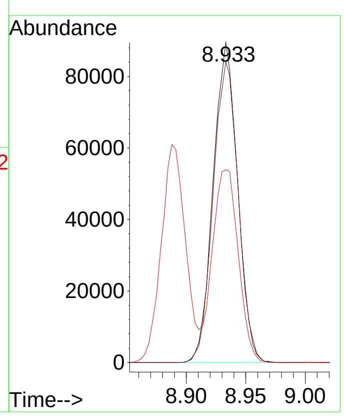


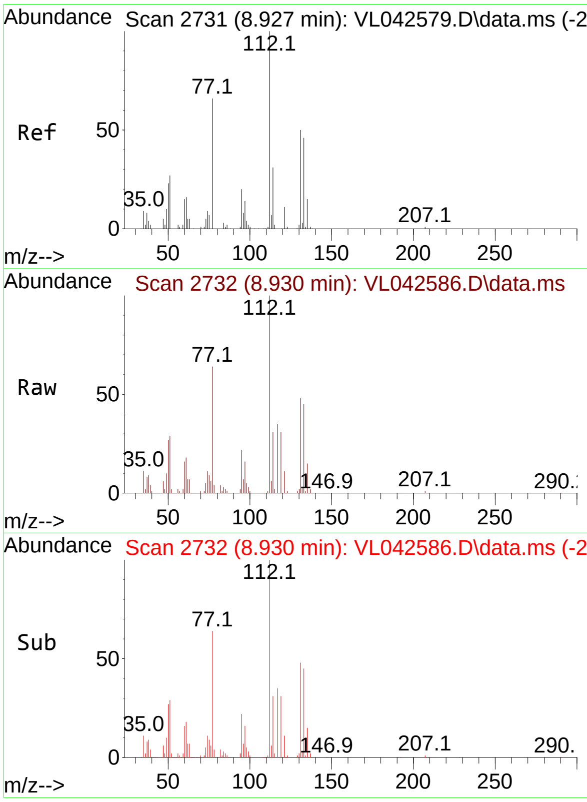


#56
1,1,1,2-Tetrachloroethane
Concen: 9.199 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:131 Resp: 127601

Ion	Ratio	Lower	Upper
131	100		
133	96.6	75.0	112.6
119	65.7	50.8	76.2






```
#57
Chlorobenzene
Concen:    9.054 ppbv
RT:   8.930 min  Scan# 2
Delta R.T.  0.003 min
Lab File:   VL042586.D
Acq: 29 May 2025  14:56

Tgt Ion:112 Resp:  24253
Ion  Ratio  Lower  Upper
112  100
 77   63.4   53.5   80.3
114   31.4   27.8   34.0
```

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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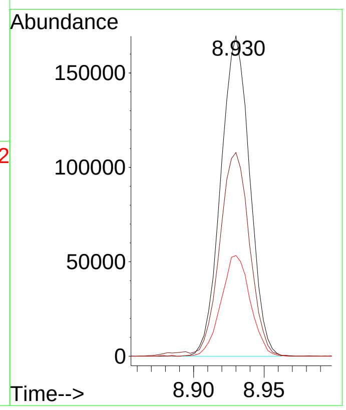
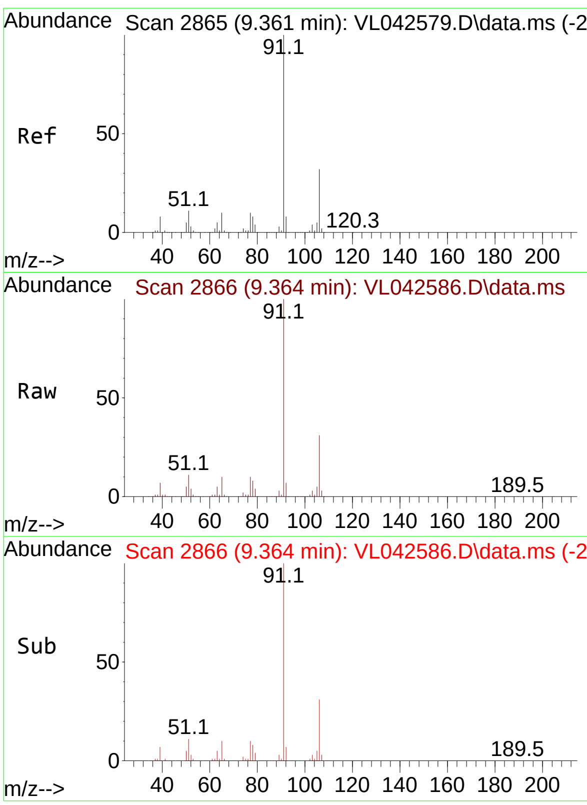
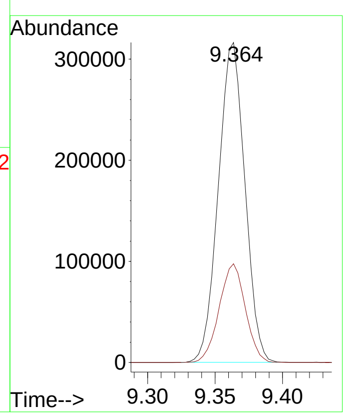
Supervised By :Mahesh Dadoda 05/30/2025

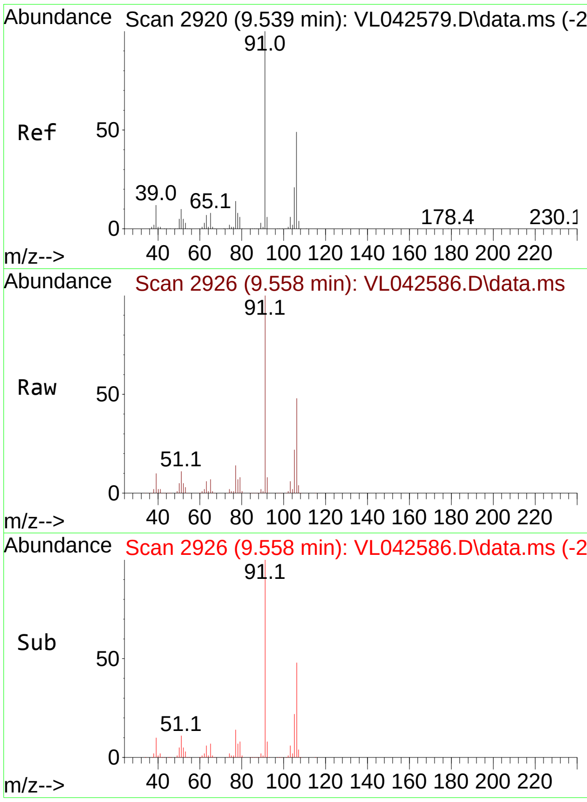





```
#58
Ethyl Benzene
Concen:    9.237 ppbv
RT:   9.364 min  Scan# 2866
Delta R.T.  0.003 min
Lab File:   VL042586.D
Acq: 29 May 2025  14:56

Tgt Ion: 91 Resp:  432250
Ion  Ratio  Lower  Upper
 91  100
106   30.9   25.9   38.9
```





#59
m/p-Xylene
Concen: 18.377 ppbv m
RT: 9.558 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 91 Resp: 67674

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

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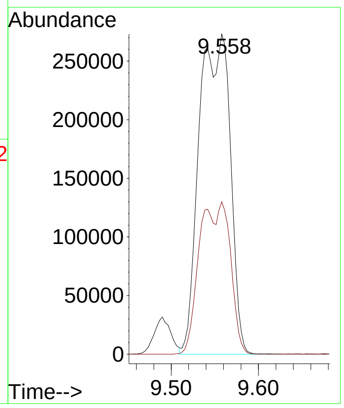
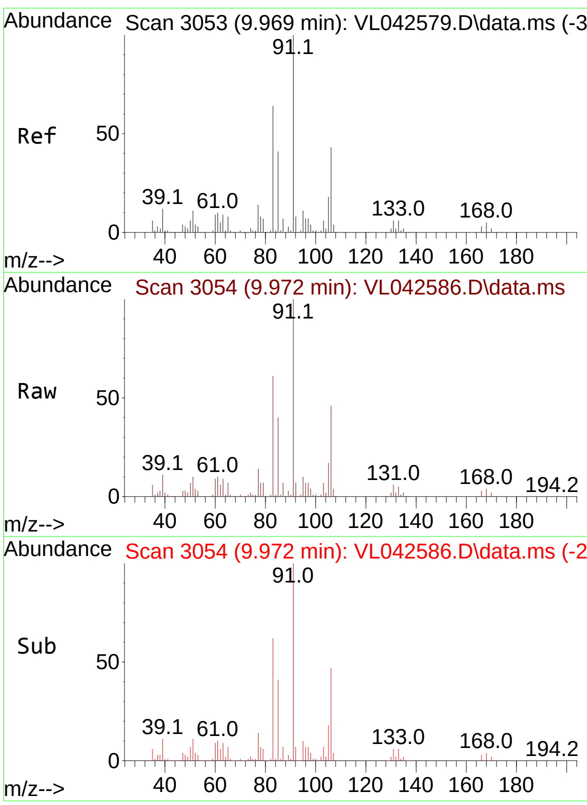
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

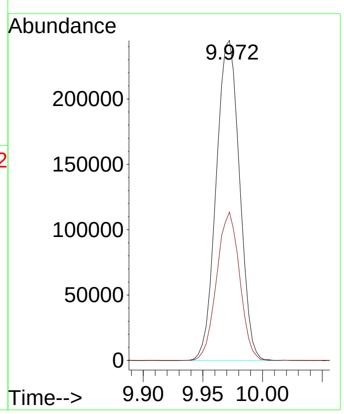


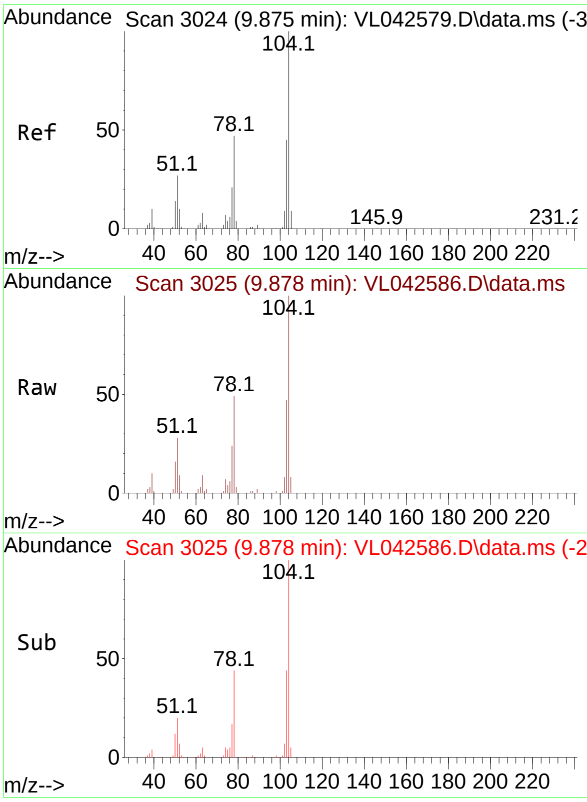


#60
o-Xylene
Concen: 9.069 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 333107

Ion	Ratio	Lower	Upper
91	100		
106	45.7	22.9	68.5

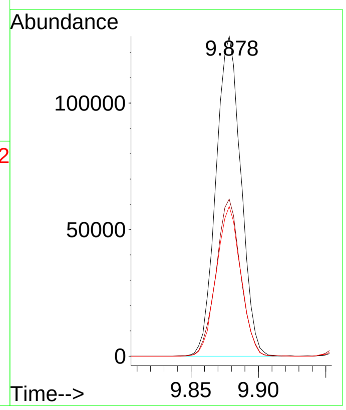




#61
Styrene
Concen: 9.396 ppbv
RT: 9.878 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:104 Resp: 163167

Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.2	57.4
103	46.1	36.7	55.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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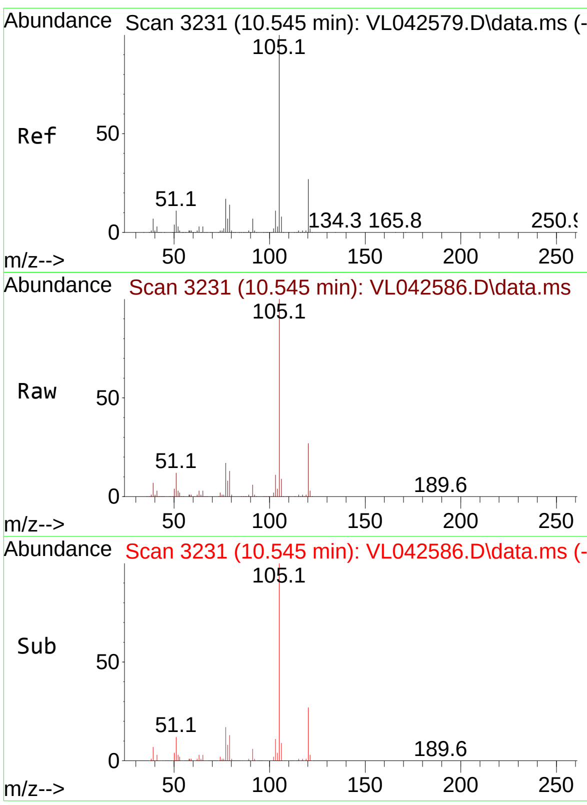
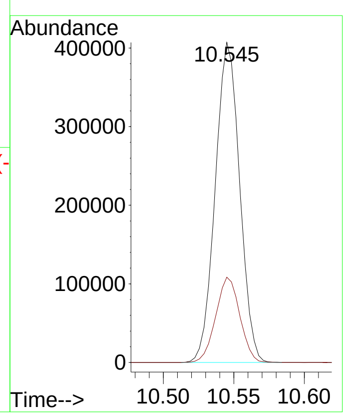
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

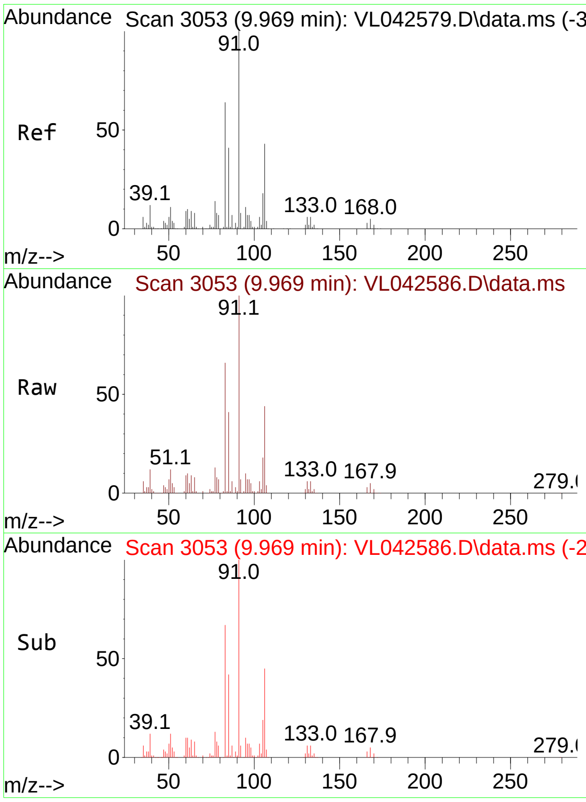


#62
Isopropylbenzene
Concen: 9.051 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 491107

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 8.749 ppbv
RT: 9.969 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 83 Resp: 20432

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.5	32.5	97.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations
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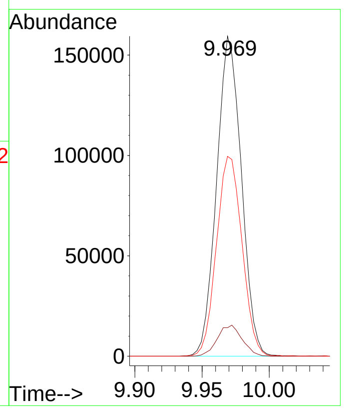
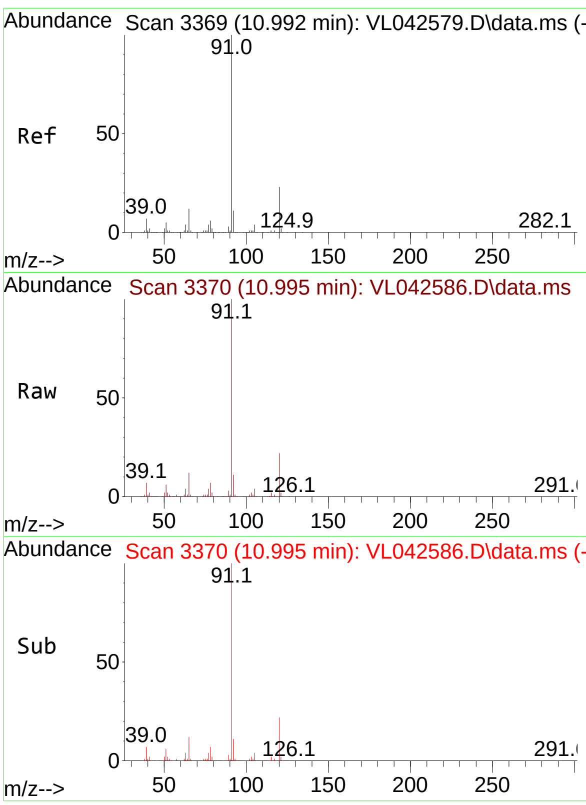
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

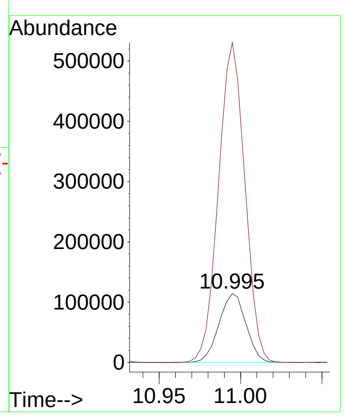


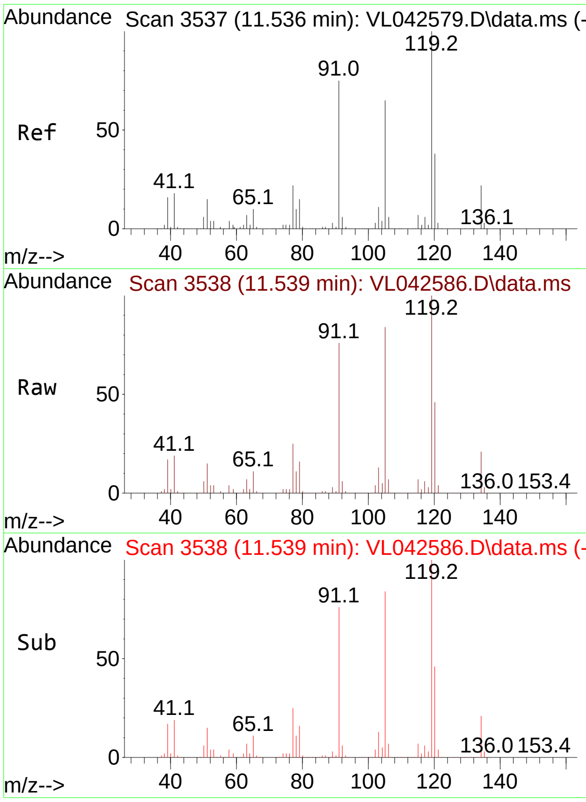


#64
n-propylbenzene
Concen: 9.054 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:120 Resp: 131695

Ion	Ratio	Lower	Upper
120	100		
91	453.7	363.0	544.6





#65
tert-Butylbenzene
Concen: 8.758 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:119 Resp: 43125

Ion	Ratio	Lower	Upper
119	100		
91	78.2	61.1	91.7
134	22.0	17.4	26.2

Manual Integrations
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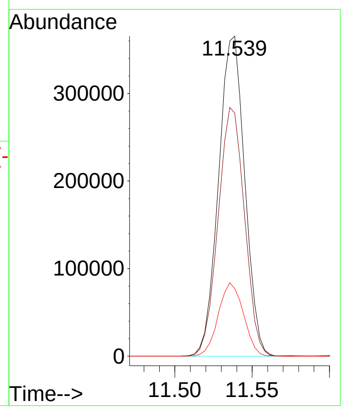
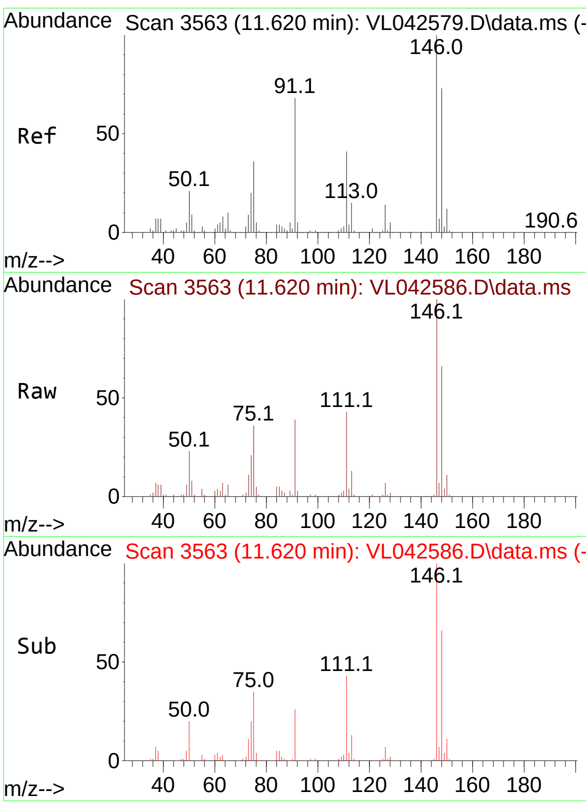
Supervised By :Mahesh Dadoda 05/30/2025

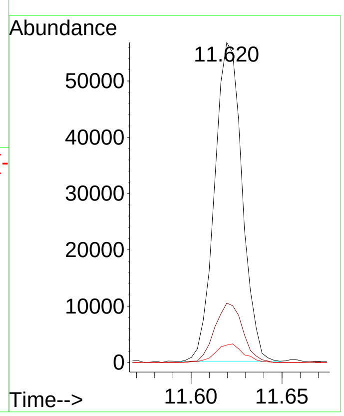


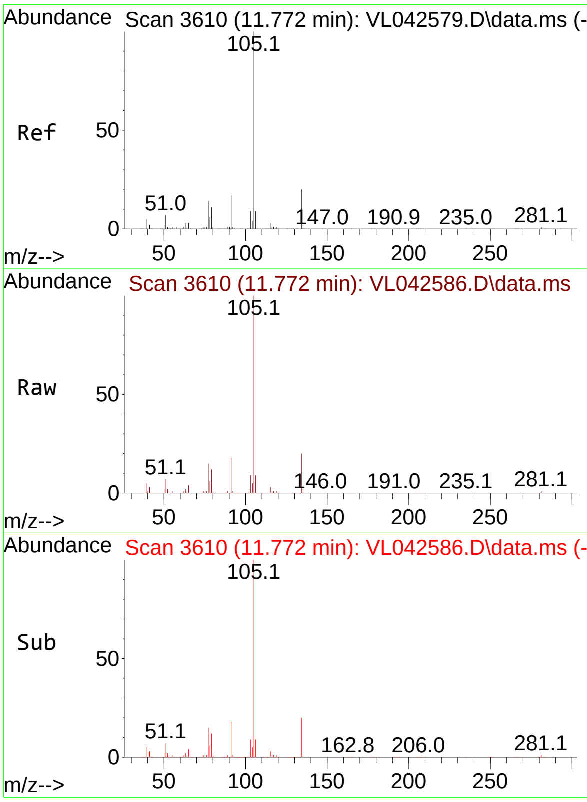


#66
Benzyl Chloride
Concen: 9.435 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 59801

Ion	Ratio	Lower	Upper
91	100		
126	18.9	15.1	22.7
128	5.8	5.0	7.6





#67
sec-Butylbenzene
Concen: 8.781 ppbv
RT: 11.772 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:105 Resp: 60790

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.8	23.6

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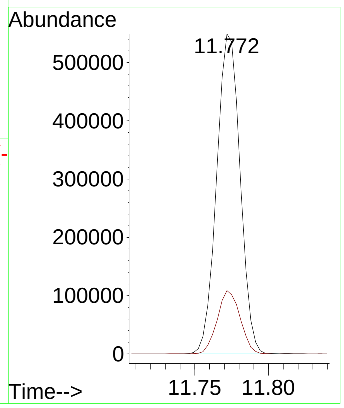
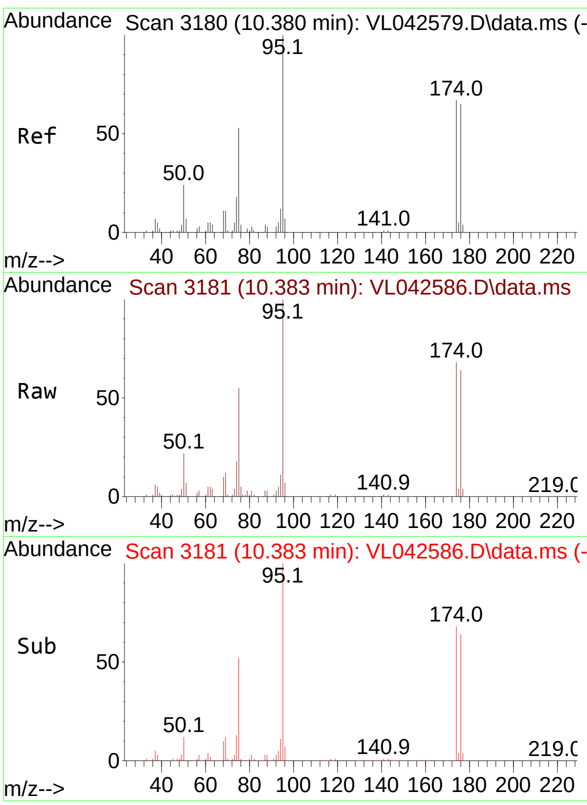
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

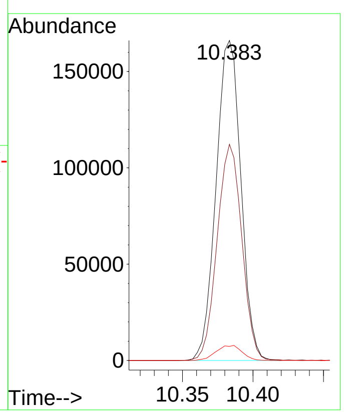


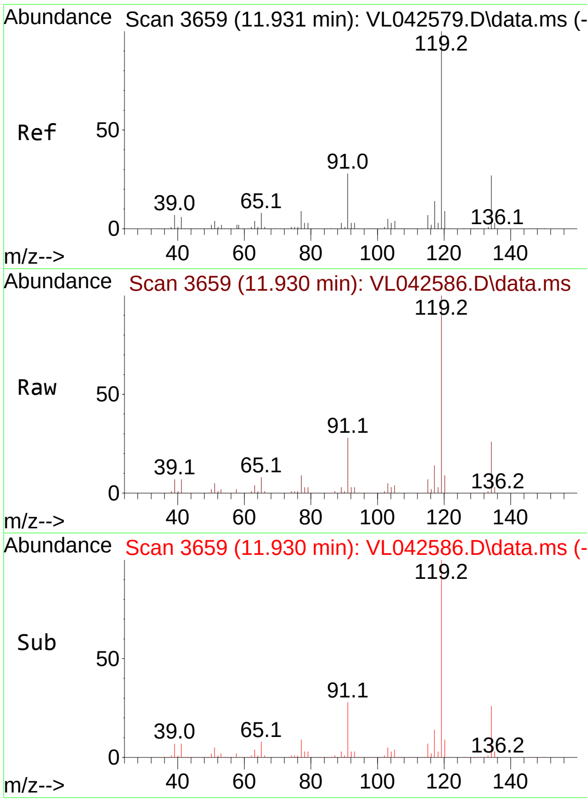


#68
1-Bromo-4-Fluorobenzene
Concen: 9.852 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 95 Resp: 203743

Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.1	79.7
175	4.9	4.2	6.2





#69
p-Isopropyltoluene
Concen: 8.844 ppbv
RT: 11.930 min   Scan# 3
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion:119 Resp: 51273

Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.1	31.7
91	27.7	21.9	32.9

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations
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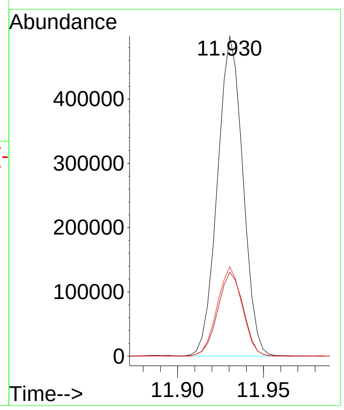
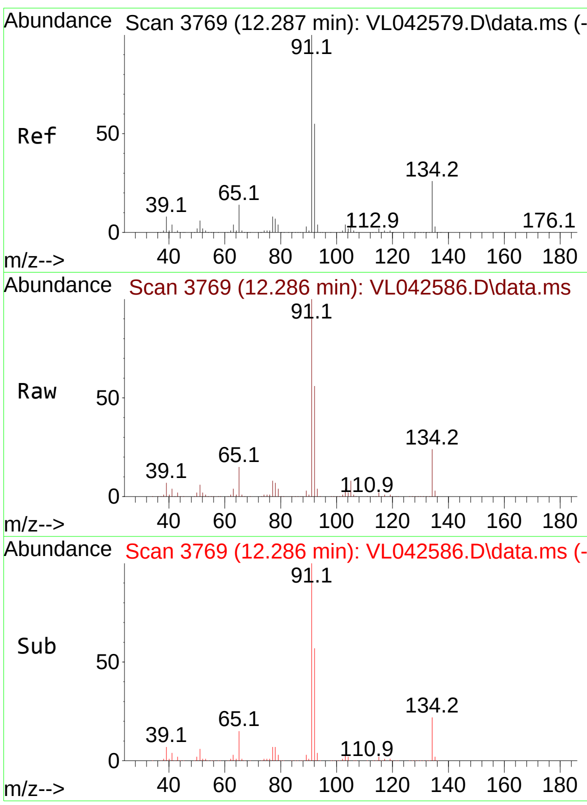
Reviewed By :Semsettin Yesilyurt   05/30/2025
Supervised By :Mahesh Dadoda   05/30/2025

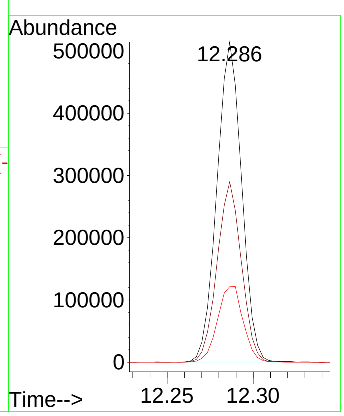


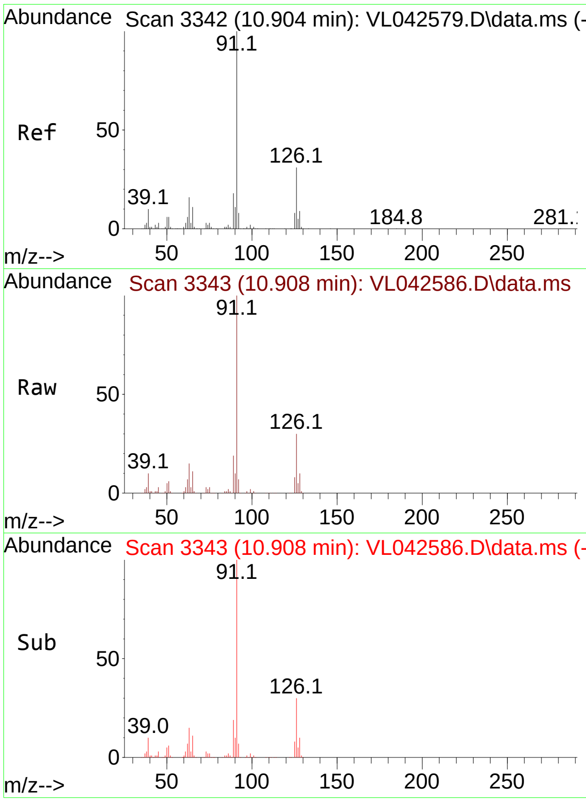


#70
n-Butylbenzene
Concen: 8.998 ppbv
RT: 12.286 min   Scan# 3769
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 91 Resp: 514931

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.4	66.6
134	24.6	20.1	30.1





#71
2-Chlorotoluene
Concen: 9.119 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 91 Resp: 37741

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.6	50.4

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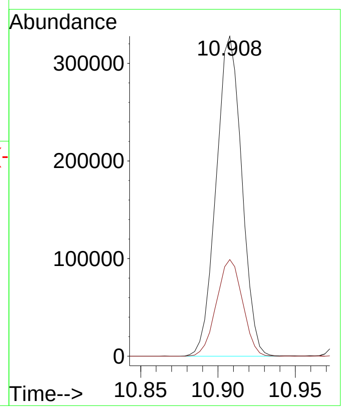
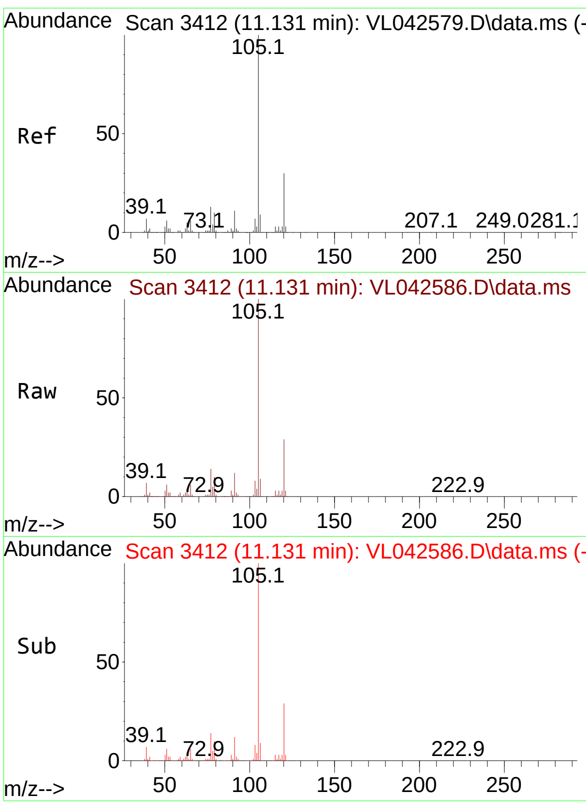
Supervised By :Mahesh Dadoda 05/30/2025

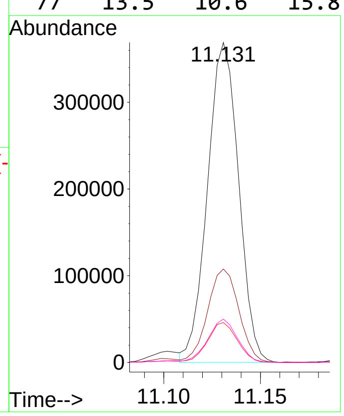


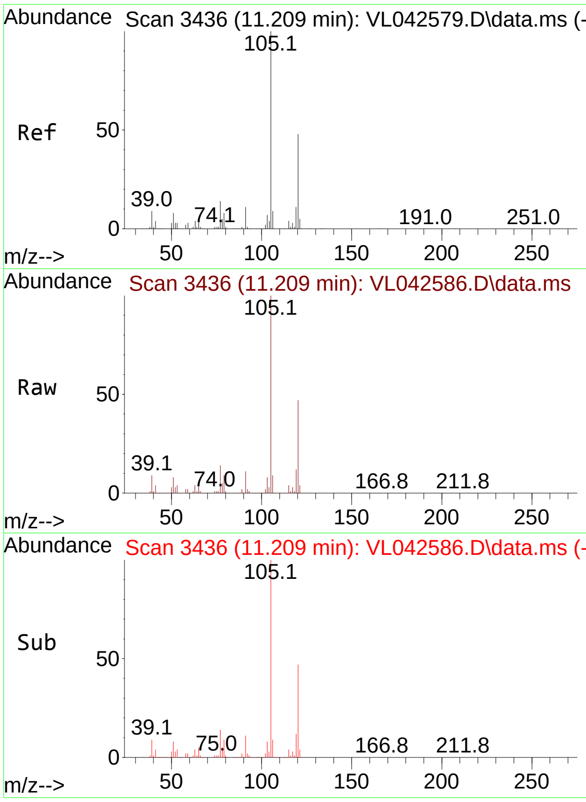


#72
4-Ethyltoluene
Concen: 9.012 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 412686

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.6	36.8
91	12.4	9.6	14.4
77	13.5	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 9.131 ppbv
RT: 11.209 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations
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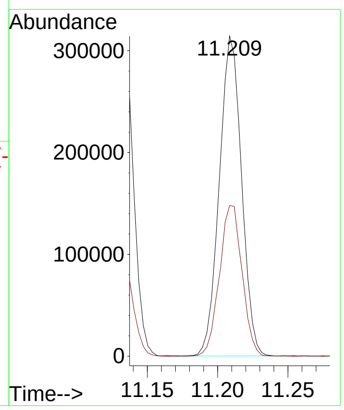
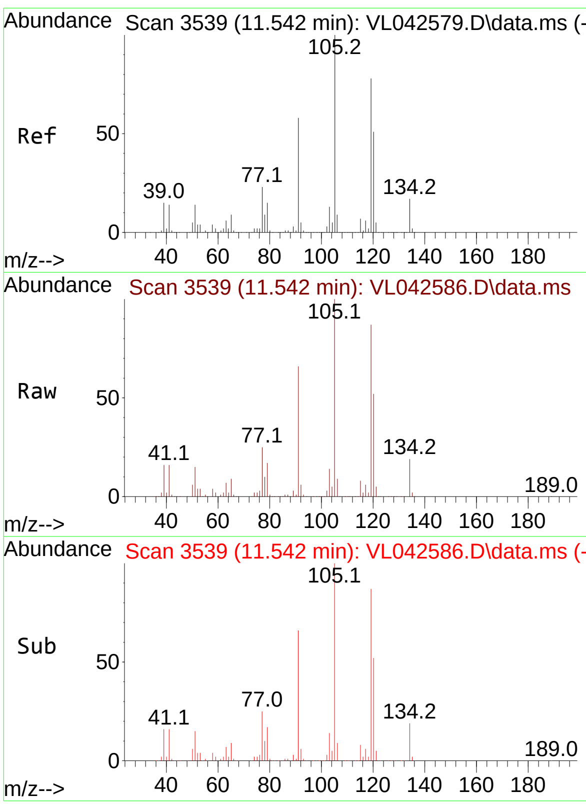
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Tgt Ion:105 Resp: 34604

Ion	Ratio	Lower	Upper
105	100		
120	47.1	38.8	58.2

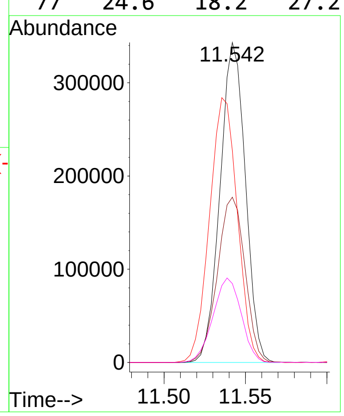


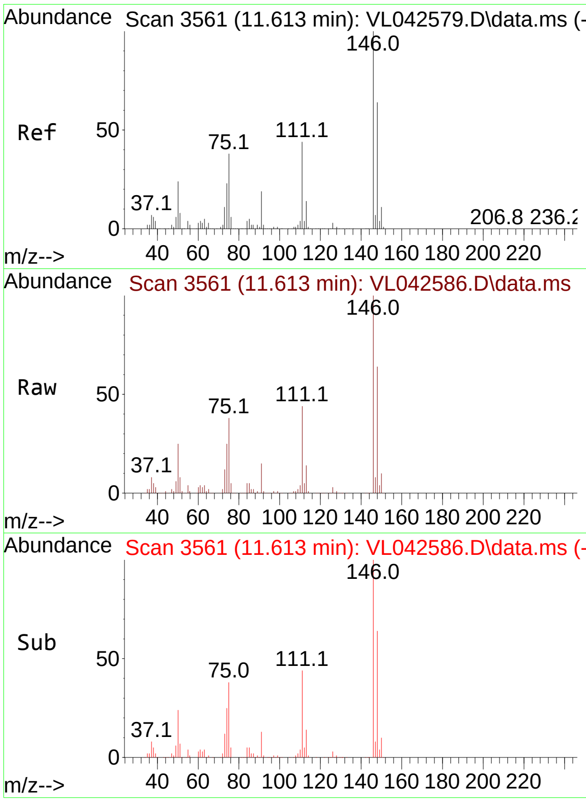


#74
1,2,4-Trimethylbenzene
Concen: 8.842 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 371879

Ion	Ratio	Lower	Upper
105	100		
120	51.6	40.8	61.2
91	66.2	46.8	70.2
77	24.6	18.2	27.2





#75
1,3-Dichlorobenzene
Concen: 8.886 ppbv
RT: 11.613 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

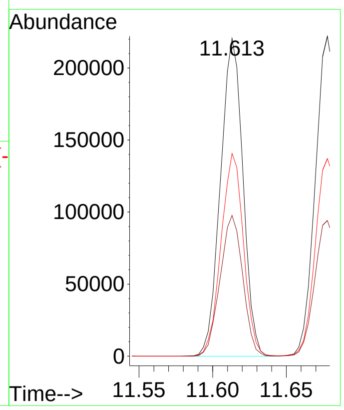
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

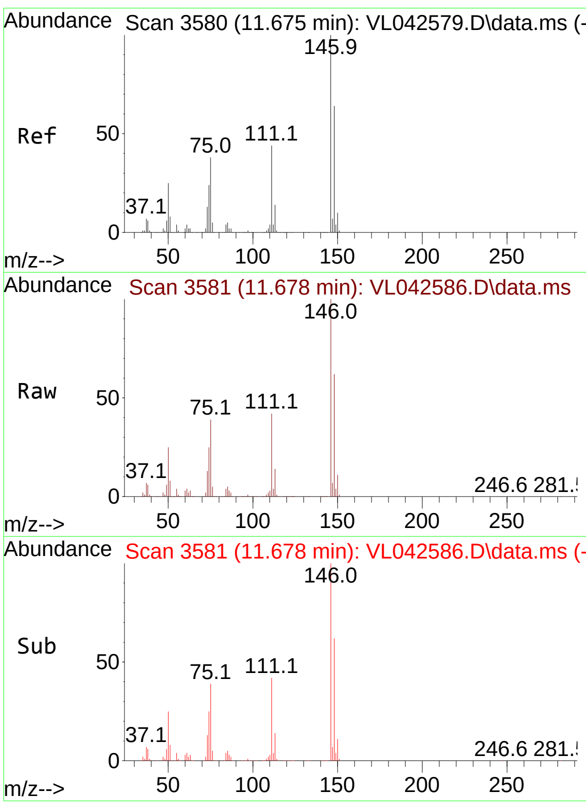
Tgt Ion:146 Resp: 23470

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.4	67.3
148	63.8	32.0	96.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

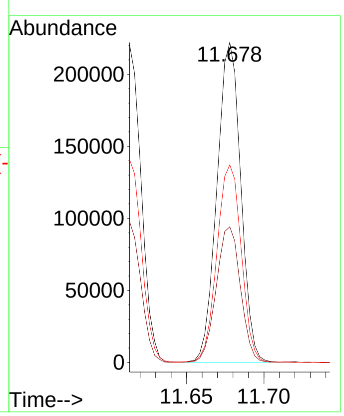


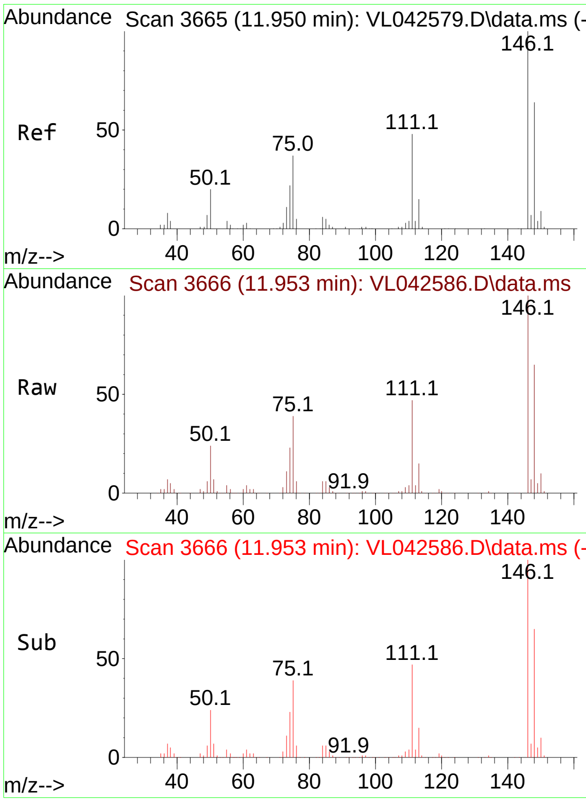


#76
1,4-Dichlorobenzene
Concen: 9.034 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:146 Resp: 237978

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.3	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 8.754 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:146 Resp: 22440

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.1	69.3
148	63.1	32.1	96.3

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

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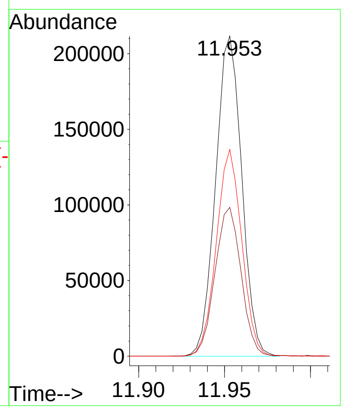
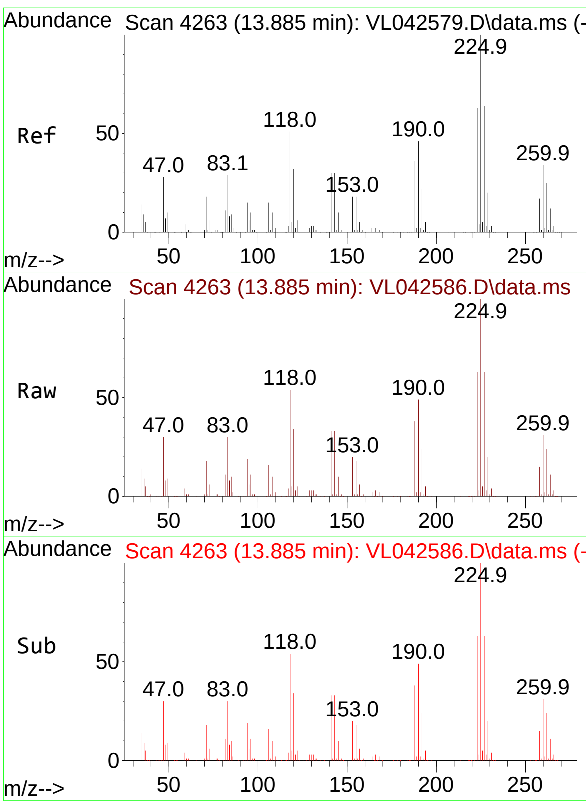
Supervised By :Mahesh Dadoda 05/30/2025

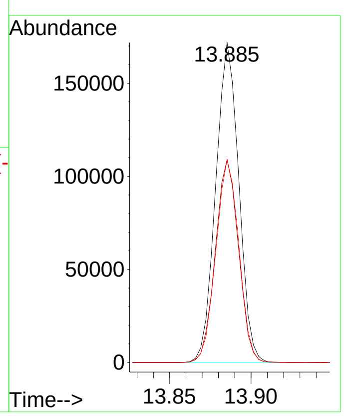


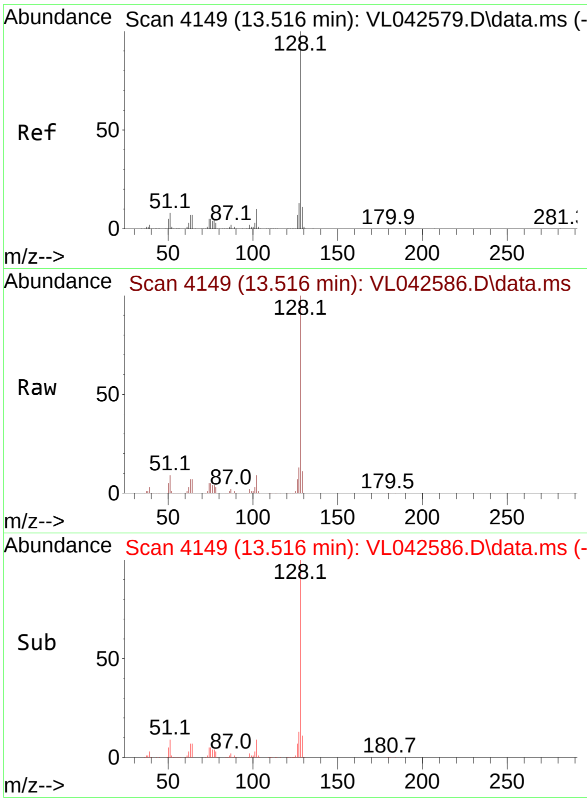


#78
Hexachloro-1,3-Butadiene
Concen: 7.977 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:225 Resp: 169185

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.4
227	63.5	51.1	76.7





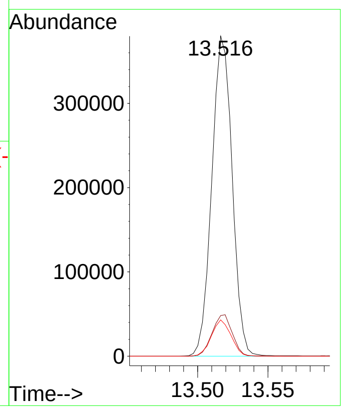
#79
Naphthalene
Concen: 9.666 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

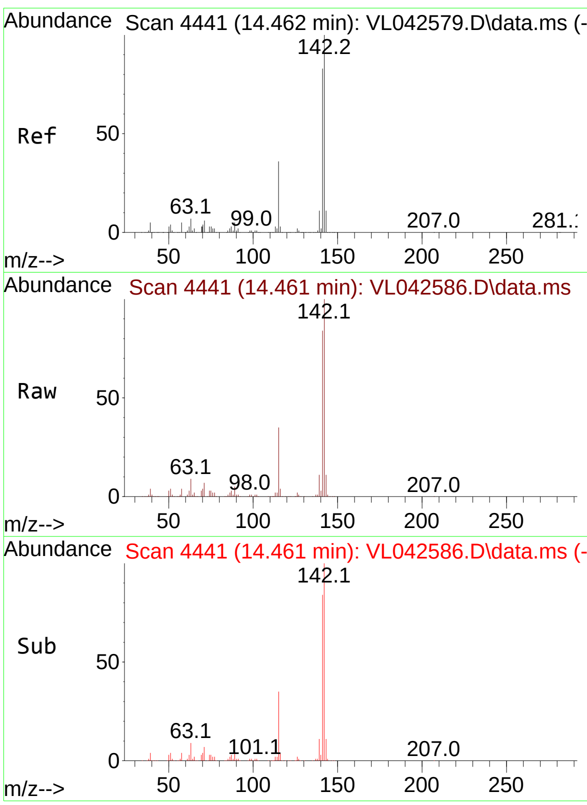
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:128 Resp: 38319

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.3	8.8	13.2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

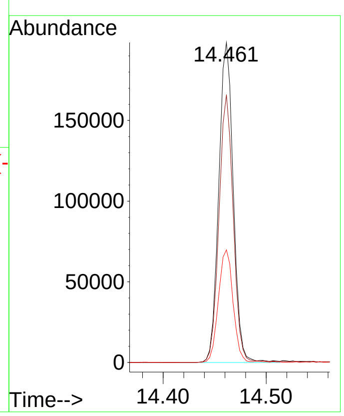


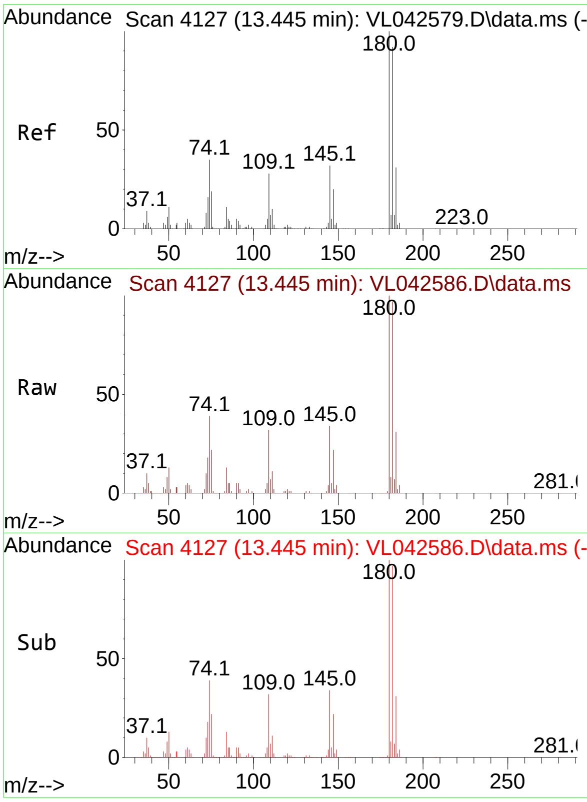


#80
Naphthalene,2-methyl-
Concen: 10.853 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:142 Resp: 194375

Ion	Ratio	Lower	Upper
142	100		
141	83.1	66.2	99.4
115	36.0	28.3	42.5

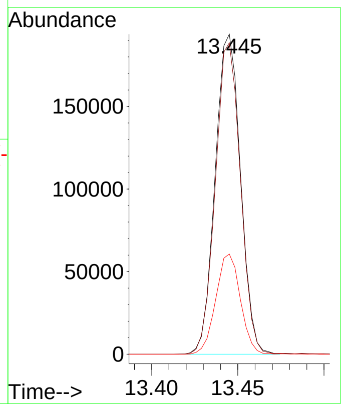




#81
1,2,4-Trichlorobenzene
Concen: 8.978 ppbv
RT: 13.445 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:180 Resp: 198690

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.4
184	30.4	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q2317 SAS No.: Q2317 SDG No.: Q2317

Instrument ID: MSVOA_L Calibration Date/Time: 06/16/2025 08:54

Lab File ID: VL042622.D Init. Calib. Date(s): 05/29/2025 05/29/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:24

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.229	1.252		1.87	30
Chloromethane	0.487	0.473		-2.88	30
Vinyl Chloride	0.496	0.445		-10.28	30
Bromomethane	0.241	0.218		-9.54	30
Chloroethane	0.193	0.181		-6.22	30
Tetrahydrofuran	0.417	0.435		4.32	30
Trichlorofluoromethane	1.144	1.287		12.5	30
1,1,2-Trichlorotrifluoroethane	0.898	0.998		11.14	30
Dichlorotetrafluoroethane	1.024	1.030		0.59	30
tert-Butyl alcohol	1.255	1.291		2.87	30
Heptane	1.921	1.806		-5.99	30
1,1-Dichloroethene	0.416	0.440		5.77	30
Acetone	1.205	1.082		-10.21	30
Carbon Disulfide	1.150	1.256		9.22	30
Methyl tert-Butyl Ether	0.608	0.627		3.13	30
Methylene Chloride	0.398	0.371		-6.78	30
trans-1,2-Dichloroethene	0.465	0.491		5.59	30
1,1-Dichloroethane	0.957	1.001		4.6	30
Cyclohexane	1.242	1.136		-8.53	30
2-Butanone	0.713	0.792		11.08	30
Carbon Tetrachloride	0.660	0.734		11.21	30
cis-1,2-Dichloroethene	1.370	1.358		-0.88	30
Chloroform	1.948	1.998		2.57	30
1,1,1-Trichloroethane	1.990	1.954		-1.81	30
2,2,4-Trimethylpentane	1.684	1.761		4.57	30
Benzene	0.985	1.044		5.99	30
1,2-Dichloroethane	0.489	0.570		16.56	30
Trichloroethene	0.419	0.421		0.48	30
1,2-Dichloropropane	0.364	0.378		3.85	30
Bromodichloromethane	0.695	0.820		17.99	30
4-Methyl-2-Pentanone	0.989	1.057		6.88	30
Toluene	1.138	1.168		2.64	30
t-1,3-Dichloropropene	0.437	0.463		5.95	30
cis-1,3-Dichloropropene	0.548	0.584		6.57	30
1,1,2-Trichloroethane	0.377	0.405		7.43	30
Dibromochloromethane	0.603	0.655		8.62	30
1,2-Dibromoethane	0.558	0.601		7.71	30
Tetrachloroethene	0.368	0.357		-2.99	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: CHEMTECH   Contract: RTPE01

Lab Code: CHEM   Case No.: Q2317   SAS No.: Q2317   SDG No.: Q2317

Instrument ID: MSVOA_L   Calibration Date/Time: 06/16/2025 08:54

Lab File ID: VL042622.D   Init. Calib. Date(s): 05/29/2025 05/29/2025

Heated Purge: (Y/N) N   Init. Calib. Time(s): 11:09 14:24

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

COMPOUND	$\overline{RRF}$	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.971	0.982		1.13	30
Ethyl Benzene	1.696	1.773		4.54	30
m/p-Xylene	1.335	1.428		6.97	30
o-Xylene	1.331	1.405		5.56	30
Styrene	0.629	0.638		1.43	30
Bromoform	0.521	0.561		7.68	30
1,1,2,2-Tetrachloroethane	0.847	0.895		5.67	30
2-Chlorotoluene	1.500	1.564		4.27	30
1,3,5-Trimethylbenzene	1.374	1.431		4.15	30
1,2,4-Trimethylbenzene	1.524	1.563		2.56	30
1,3-Dichlorobenzene	0.957	0.975		1.88	30
1,4-Dichlorobenzene	0.955	0.977		2.3	30
1,2-Dichlorobenzene	0.929	0.912		-1.83	30
1,2,4-Trichlorobenzene	0.802	0.797		-0.62	30
Hexachloro-1,3-Butadiene	0.769	0.690		-10.27	30
1,3-Butadiene	0.571	0.531		-7.01	30
Naphthalene	1.437	1.542		7.31	30
4-Ethyltoluene	1.660	1.726		3.98	30
1-Bromo-4-Fluorobenzene	0.750	0.778		3.73	30
Hexane	1.498	1.399		-6.61	30
Allyl Chloride	0.850	0.847		-0.35	30
1,4-Dioxane	162.953	166.679		2.29	30
Methyl Methacrylate	0.382	0.401		4.97	30

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:02:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.787	49	107738	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	288897	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.882	117	262507	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.377	95	204239	10.379 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.800%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	134876	10.186 ppbv	99
3) Chlorodifluoromethane	1.476	51	175470	9.622 ppbv	99
4) Chloromethane	1.531	50	50995	9.725 ppbv	99
5) Vinyl Chloride	1.580	62	47957	8.978 ppbv	99
6) Bromomethane	1.667	94	23512	9.044 ppbv	96
7) Chloroethane	1.703	64	19501	9.396 ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	110938	10.055 ppbv	99
9) Propene	1.483	41	68245	9.292 ppbv	98
10) Heptane	4.975	43	194603	9.400 ppbv	99
11) Trichlorofluoromethane	1.877	101	138650	11.254 ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	107550	11.117 ppbv	97
13) Ethanol	1.719	45	5413	6.185 ppbv	89
14) Bromoethene	1.780	108	38645	10.620 ppbv	97
15) Acetone	1.835	43	116520	8.979 ppbv	97
16) 1,3-Butadiene	1.609	39	57252	9.313 ppbv	96
17) tert-Butyl alcohol	2.039	59	139063	10.286 ppbv	100
18) 1,1-Dichloroethene	2.033	96	47387	10.568 ppbv	96
19) Isopropyl Alcohol	1.884	45	73508	9.475 ppbv	97
20) Methylene Chloride	2.062	84	39938	9.326 ppbv	95
21) Allyl Chloride	2.094	41	91238	9.964 ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	52863	10.554 ppbv	99
23) Vinyl Acetate	2.460	43	215190	12.267 ppbv #	98
24) 1,1-Dichloroethane	2.408	63	107798	10.460 ppbv	99
25) Ethyl Acetate	2.832	43	347073	9.773 ppbv	99
26) Hexane	2.823	57	150675	9.337 ppbv	97
27) Carbon Disulfide	2.149	76	135326	10.923 ppbv #	91
28) Methyl tert-Butyl Ether	2.437	73	67524	10.311 ppbv	97
29) Chloroform	2.848	83	215284	10.259 ppbv	99
30) Cyclohexane	3.855	84	122368	9.147 ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	146273	9.909 ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	210503	9.818 ppbv	98
34) 2-Butanone	2.554	43	228811	11.106 ppbv	100
35) Carbon Tetrachloride	3.761	117	212075	11.120 ppbv	100
36) Benzene	3.654	78	301626	10.602 ppbv	99
37) 1,2-Dichloroethane	3.217	62	164738	11.651 ppbv	98
38) Trichloroethene	4.544	130	121690	10.063 ppbv	94
39) 1,2-Dichloropropane	4.311	63	109074	10.368 ppbv	97
40) 1,4-Dioxane	4.577	88	48153	10.229 ppbv #	98
41) Tetrahydrofuran	3.052	42	125788	10.430 ppbv	99
42) Bromodichloromethane	4.486	83	236809	11.792 ppbv	98
43) Methyl Methacrylate	4.875	69	115983	10.504 ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	508749	10.455 ppbv	98
45) t-1,3-Dichloropropene	6.412	75	133838	10.592 ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jun 17 03:02:28 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

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	168729	10.657	ppbv	94
47) 1,1,2-Trichloroethane	6.577	97	117073	10.750	ppbv	93
48) Dibromochloromethane	7.383	129	189133	10.848	ppbv	99
49) Bromoform	9.484	173	162032	10.771	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	305302	10.684	ppbv	100
51) 2-Hexanone	7.432	43	244283	10.778	ppbv #	97
52) Tetrachloroethene	8.221	164	103159	9.704	ppbv	98
53) Toluene	6.930	91	337532	10.265	ppbv	99
54) 1,2-Dibromoethane	7.652	107	173642	10.772	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.924	131	140969	10.680	ppbv	96
57) Chlorobenzene	8.920	112	257844	10.116	ppbv	95
58) Ethyl Benzene	9.354	91	465413	10.452	ppbv	96
59) m/p-Xylene	9.548	91	749603m	21.392	ppbv	
60) o-Xylene	9.963	91	368739	10.551	ppbv	98
61) Styrene	9.872	104	167379	10.130	ppbv	99
62) Isopropylbenzene	10.539	105	537202	10.405	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	234954	10.572	ppbv	99
64) n-propylbenzene	10.989	120	141307	10.210	ppbv	94
65) tert-Butylbenzene	11.532	119	469685	10.024	ppbv	96
66) Benzyl Chloride	11.617	91	58077	9.630	ppbv	98
67) sec-Butylbenzene	11.769	105	670092	10.172	ppbv	98
69) p-Isopropyltoluene	11.924	119	553909	10.041	ppbv	99
70) n-Butylbenzene	12.280	91	570539	10.478	ppbv	98
71) 2-Chlorotoluene	10.901	91	410506	10.423	ppbv	98
72) 4-Ethyltoluene	11.125	105	453022	10.397	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	375736	10.419	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	410308	10.253	ppbv #	90
75) 1,3-Dichlorobenzene	11.607	146	255878	10.182	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	256373	10.228	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	239527	9.820	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	181205	8.979	ppbv	99
79) Naphthalene	13.513	128	404699	10.728	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	199431	11.702	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	209155	9.932	ppbv	98

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

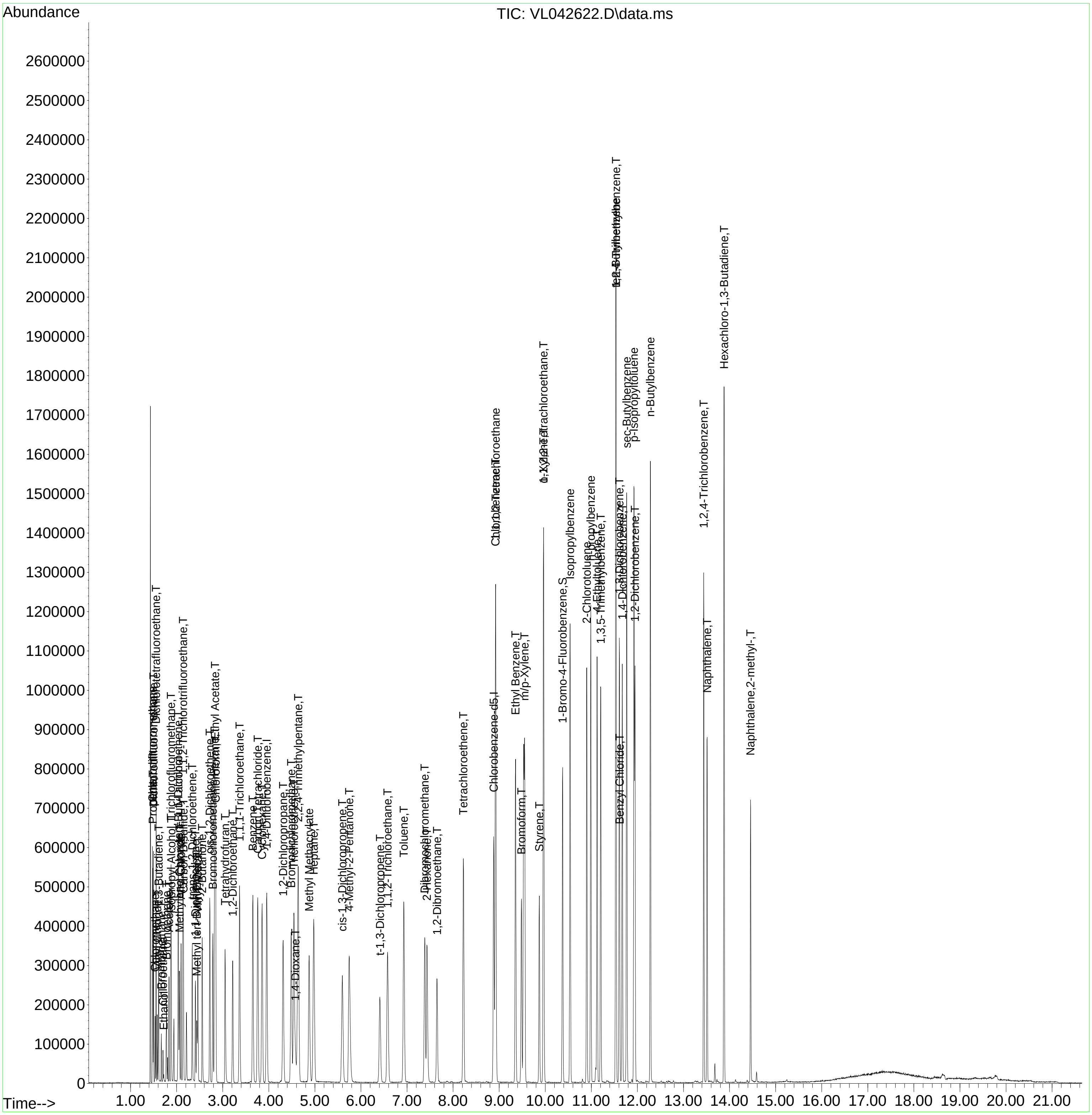
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

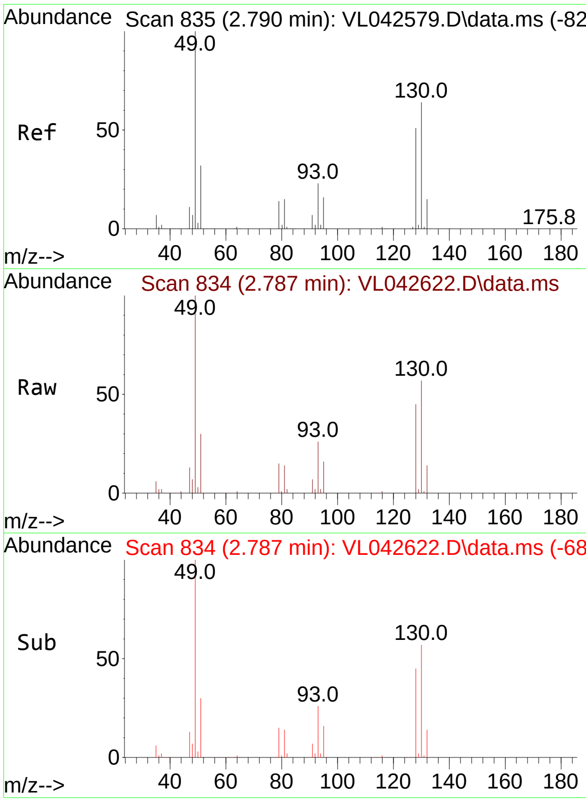
Quant Time: Jun 17 03:02:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





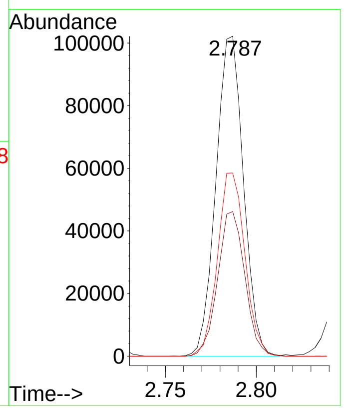
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

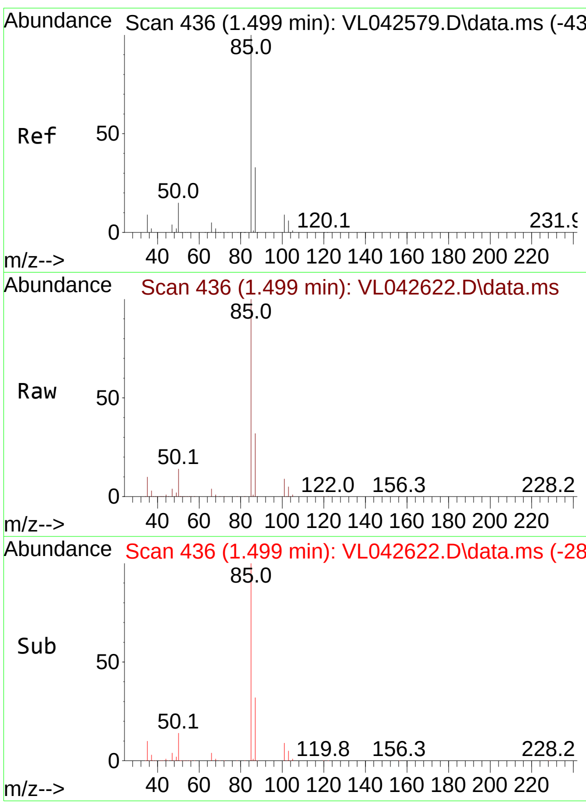
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 10773

Ion	Ratio	Lower	Upper
49	100		
128	44.5	24.2	72.6
130	57.1	30.4	91.2

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

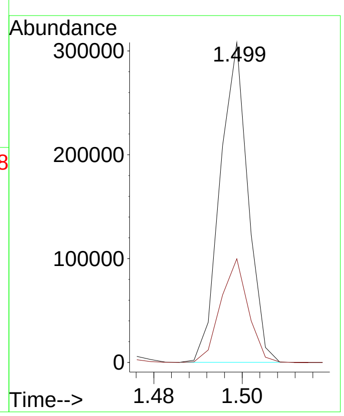


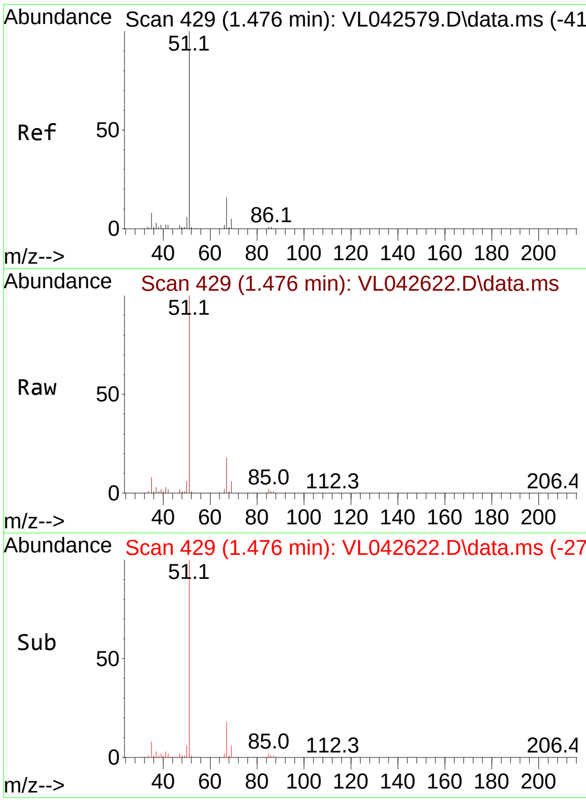


#2
Dichlorodifluoromethane
Concen: 10.186 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 85 Resp: 134876

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.6	39.8





#3
Chlorodifluoromethane
Concen: 9.622 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 51 Resp: 17547

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.4	20.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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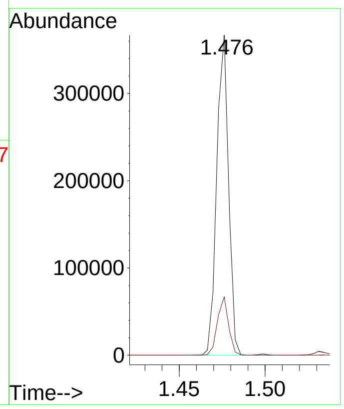
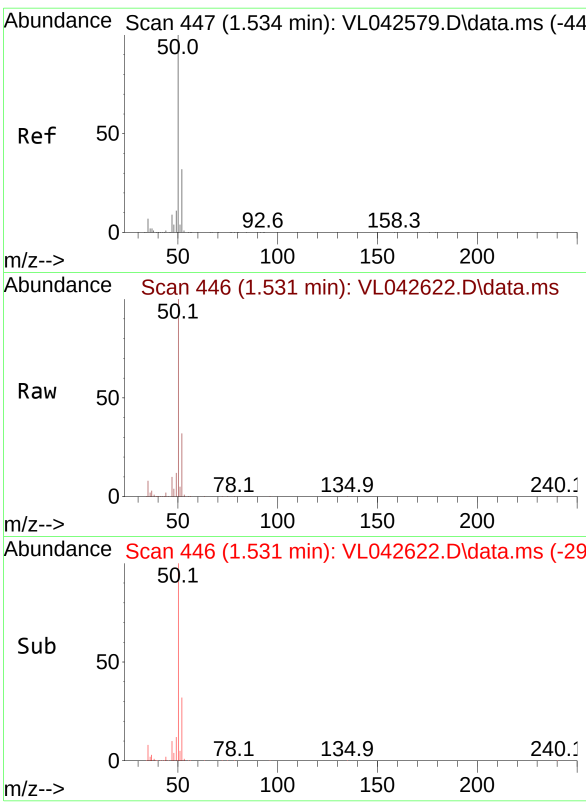
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

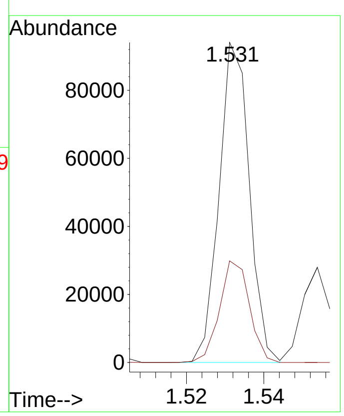


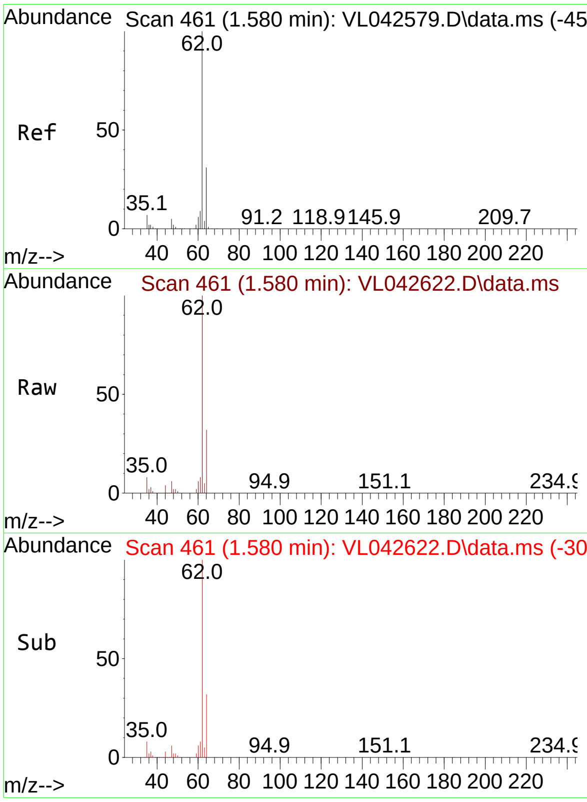


#4
Chloromethane
Concen: 9.725 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 50 Resp: 50995

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.8	38.6





#5
Vinyl Chloride
Concen: 8.978 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 4795

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.9	37.3

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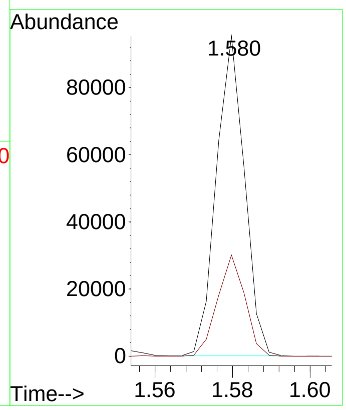
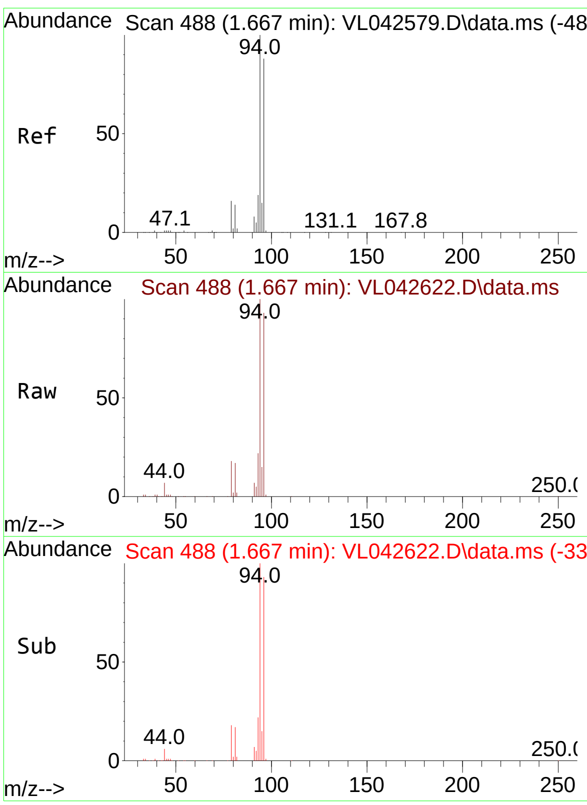
Supervised By :Mahesh Dadoda 06/17/2025

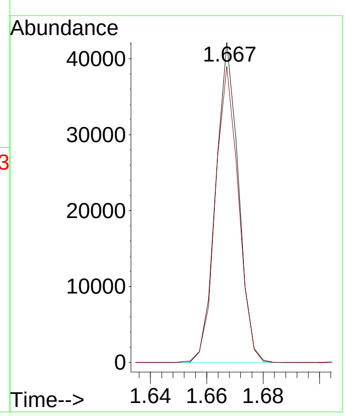


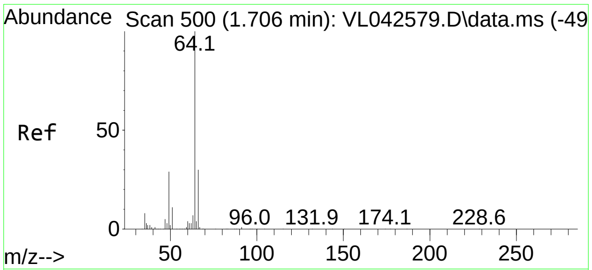


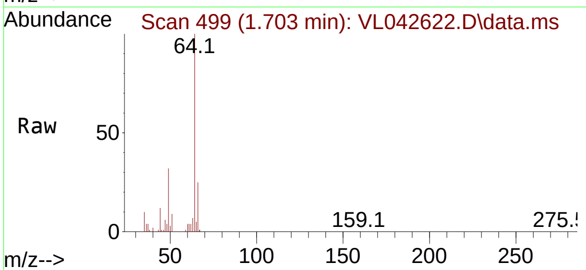
#6
Bromomethane
Concen: 9.044 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

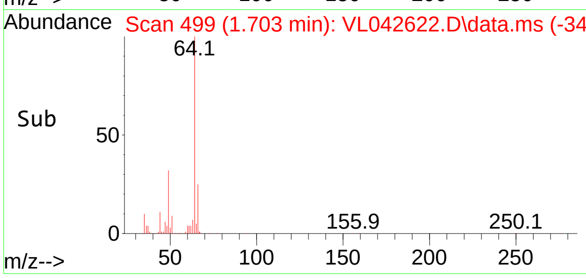
Tgt Ion: 94 Resp: 23512

Ion	Ratio	Lower	Upper
94	100		
96	92.5	70.7	106.1









#7
Chloroethane
Concen: 9.396 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 1950

Ion	Ratio	Lower	Upper
64	100		
66	24.8	24.3	36.5

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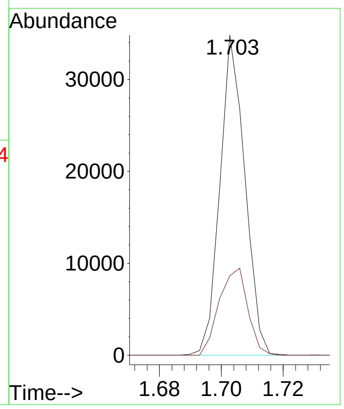
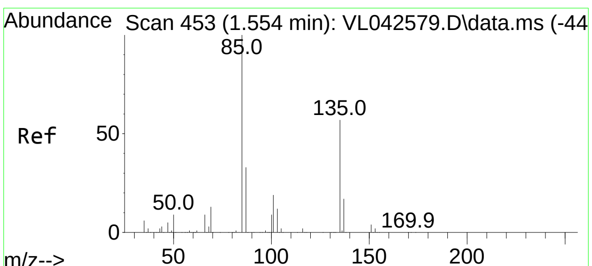
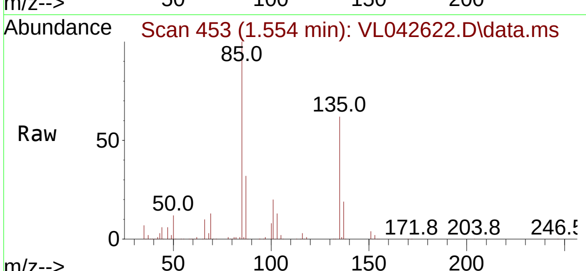
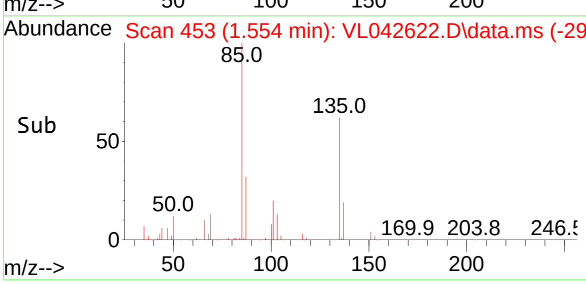




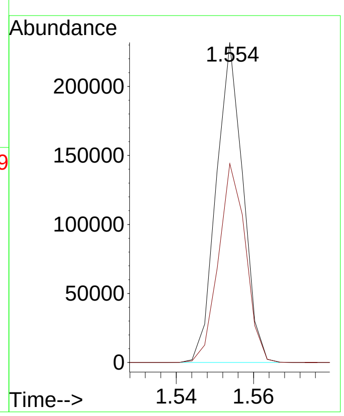


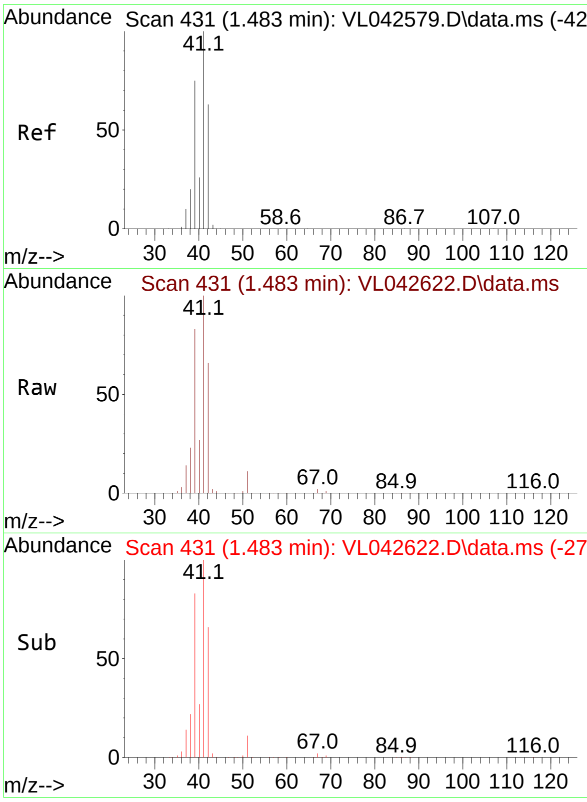


#8
Dichlorotetrafluoroethane
Concen: 10.055 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 85 Resp: 110938

Ion	Ratio	Lower	Upper
85	100		
135	63.5	50.2	75.4





#9
Propene
Concen: 9.292 ppbv
RT: 1.483 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 6824

Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.3	79.9

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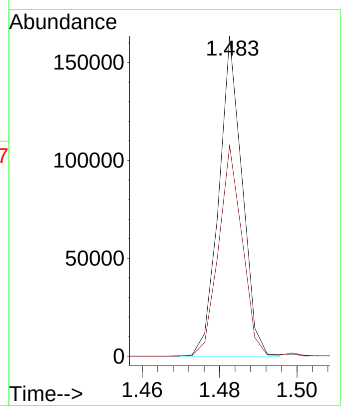
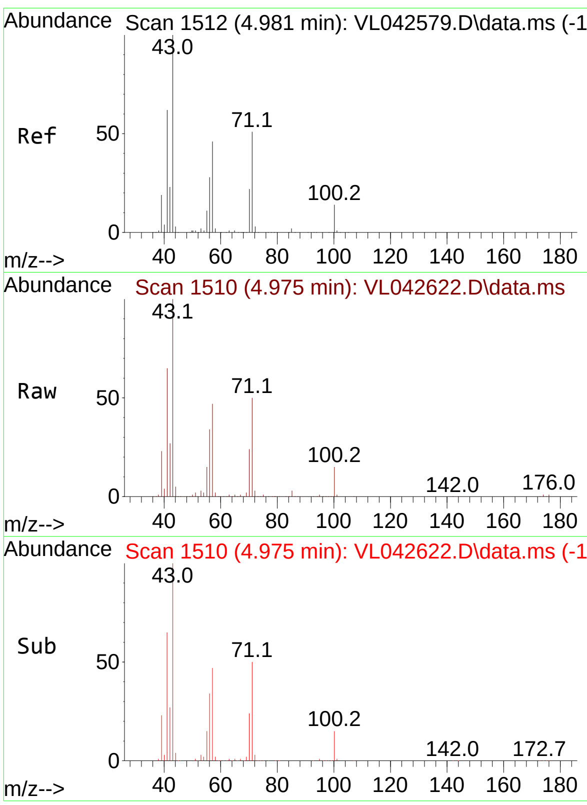
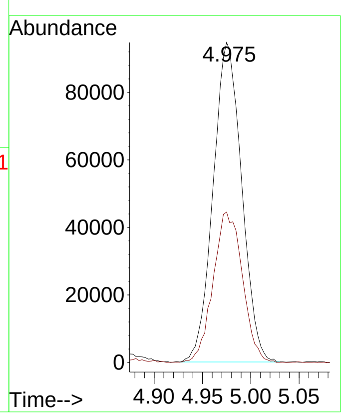


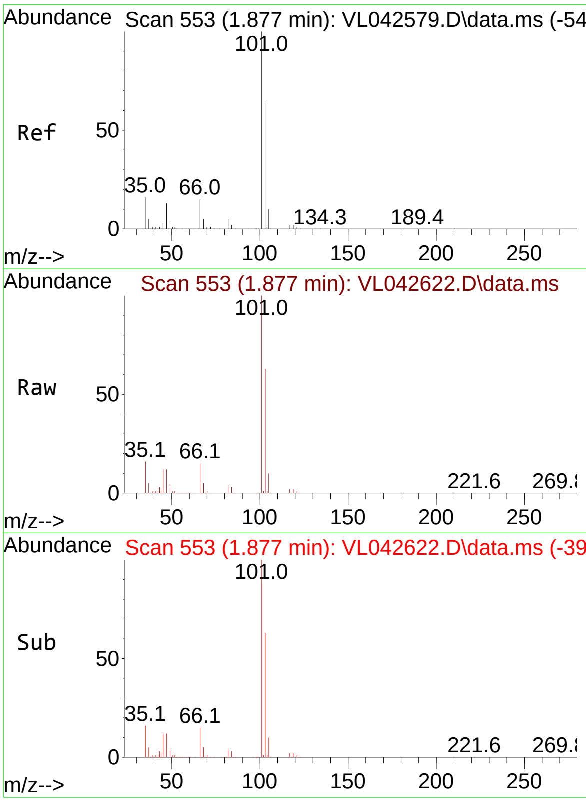


#10
Heptane
Concen: 9.400 ppbv
RT: 4.975 min   Scan# 1510
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 43 Resp: 194603

Ion	Ratio	Lower	Upper
43	100		
57	48.3	38.9	58.3





#11
Trichlorofluoromethane
Concen: 11.254 ppbv
RT: 1.877 min   Scan# 5
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:101 Resp: 13865

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.5	77.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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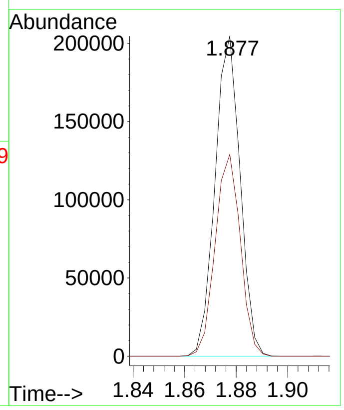
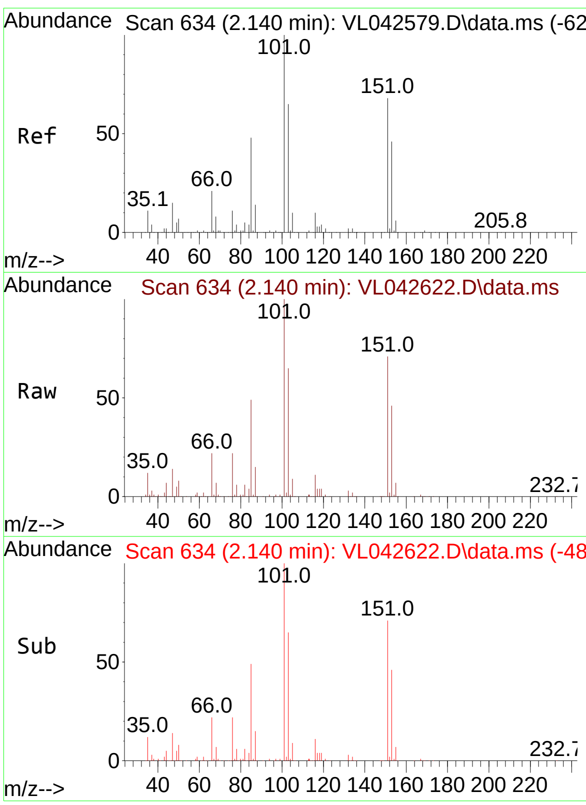
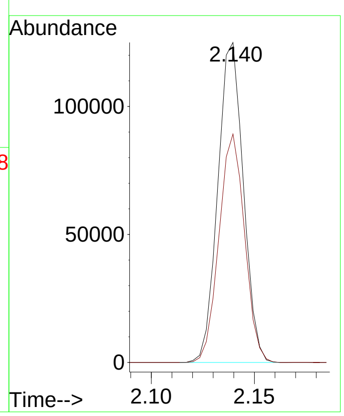


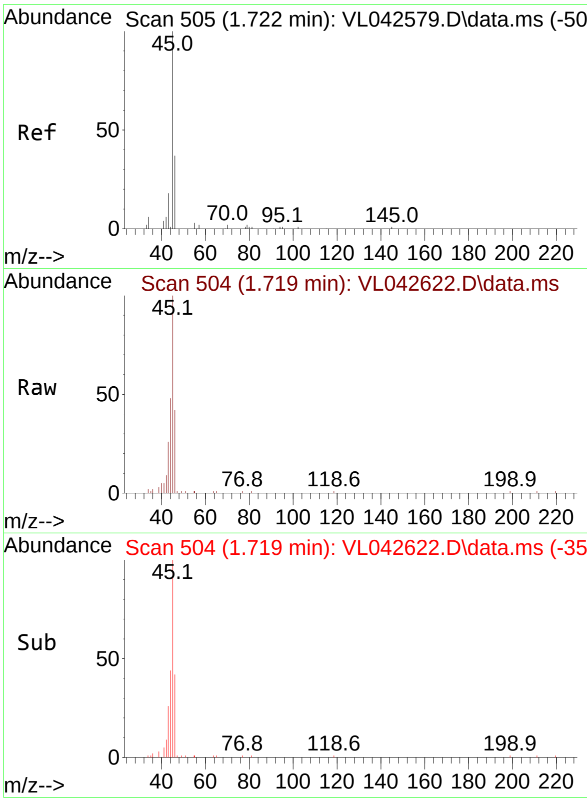


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.117 ppbv
RT: 2.140 min   Scan# 634
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:101 Resp: 107550

Ion	Ratio	Lower	Upper
101	100		
151	71.6	55.3	82.9





#13
Ethanol
Concen: 6.185 ppbv
RT: 1.719 min Scan# 50
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 45 Resp: 541

Ion	Ratio	Lower	Upper
45	100		
46	43.0	14.5	58.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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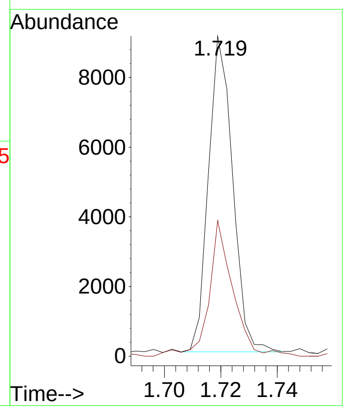
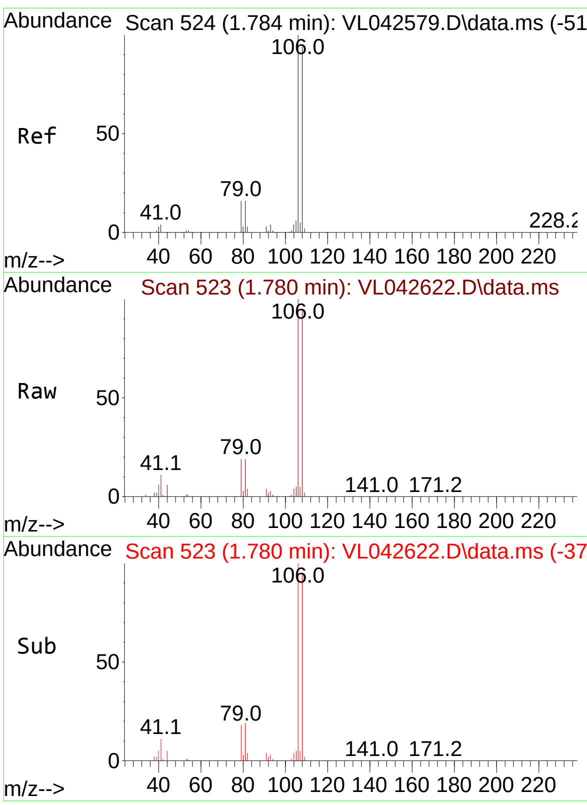
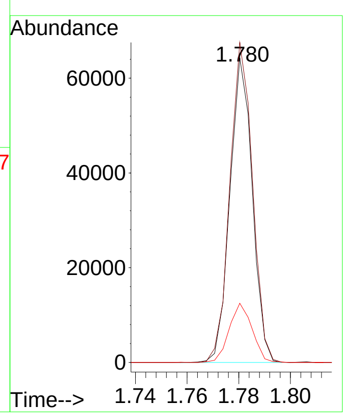


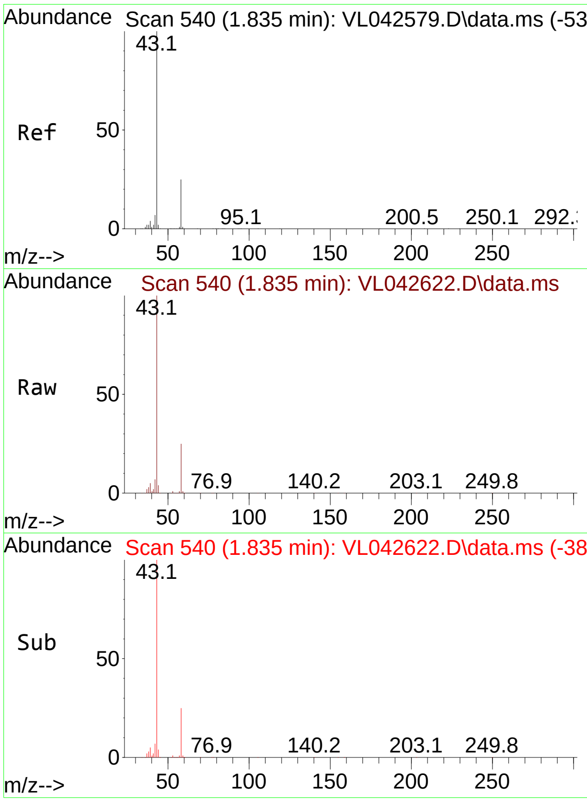


#14
Bromoethene
Concen: 10.620 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:108 Resp: 38645

Ion	Ratio	Lower	Upper
108	100		
106	106.1	87.9	131.9
79	19.9	15.6	23.4





#15
Acetone
Concen: 8.979 ppbv
RT: 1.835 min   Scan# 54
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 43 Resp: 11652(

Ion	Ratio	Lower	Upper
43	100		
58	24.5	21.0	31.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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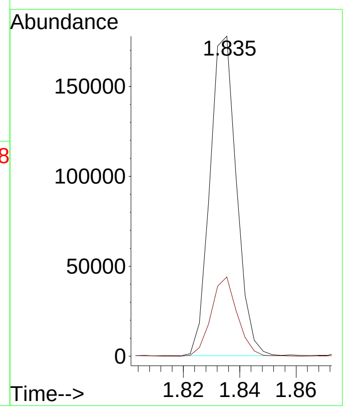
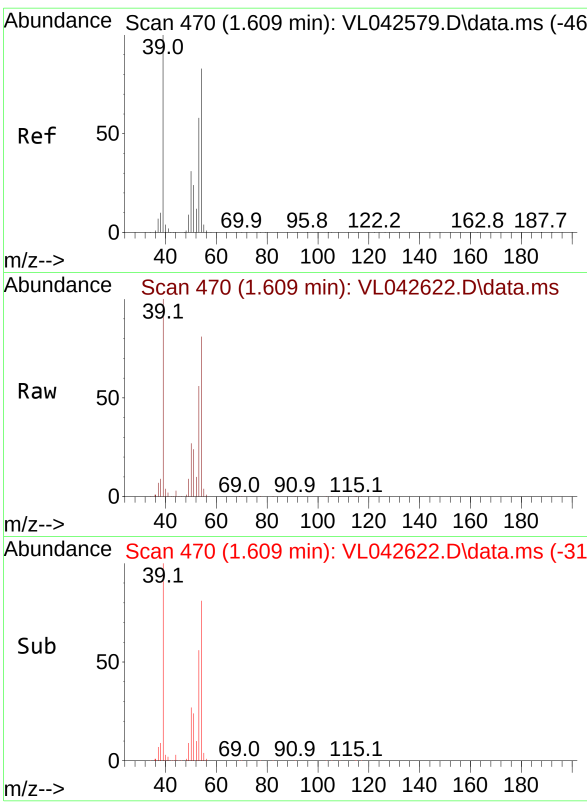
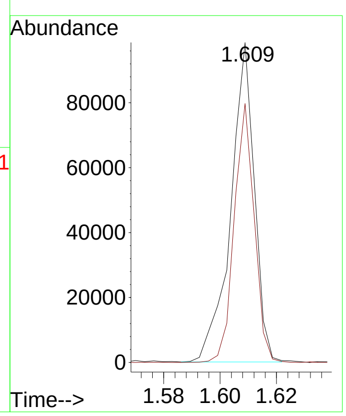


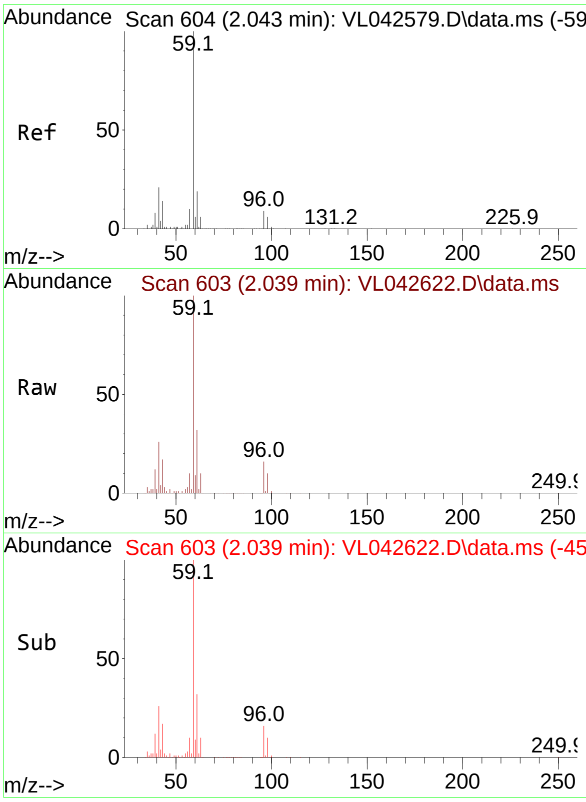


#16
1,3-Butadiene
Concen: 9.313 ppbv
RT: 1.609 min   Scan# 470
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 39 Resp: 57252

Ion	Ratio	Lower	Upper
39	100		
54	69.0	57.9	86.9





#17
tert-Butyl alcohol
Concen: 10.286 ppbv
RT: 2.039 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 59 Resp: 13906
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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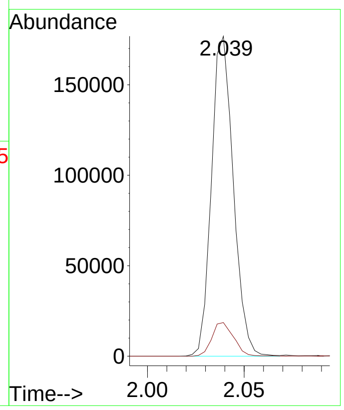
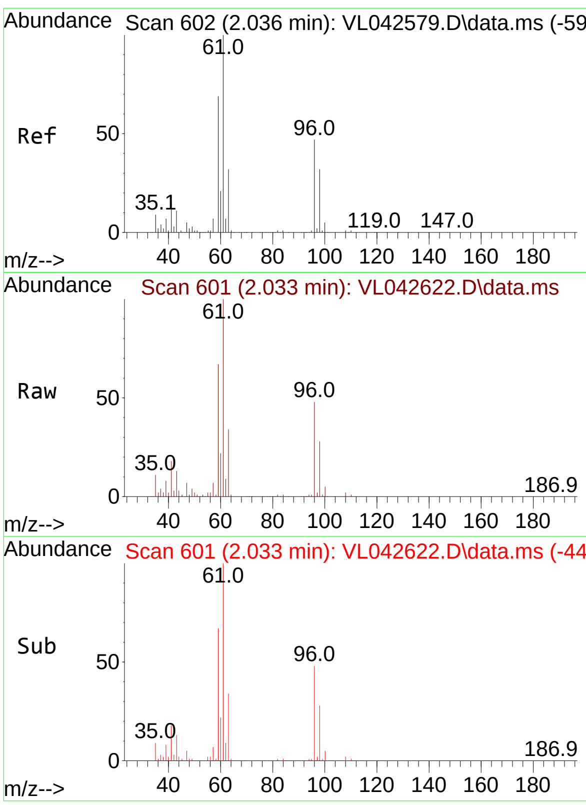
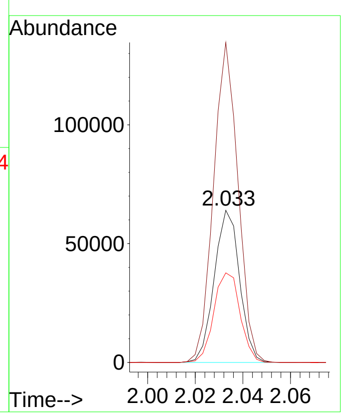
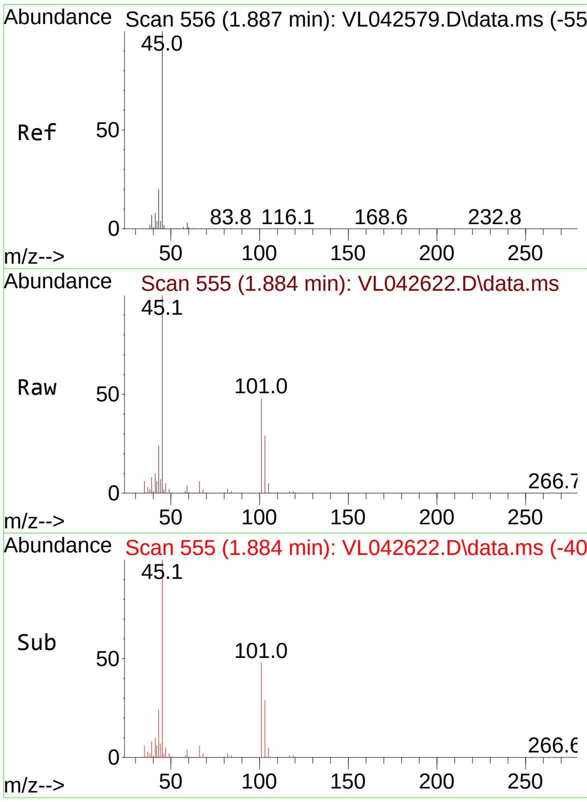




#18
1,1-Dichloroethene
Concen: 10.568 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 96 Resp: 47387
Ion Ratio Lower Upper
96 100
61 210.4 171.1 256.7
98 59.0 54.4 81.6





#19
Isopropyl Alcohol
Concen: 9.475 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 7350

Ion	Ratio	Lower	Upper
45	100		
58	38.9	29.4	44.2

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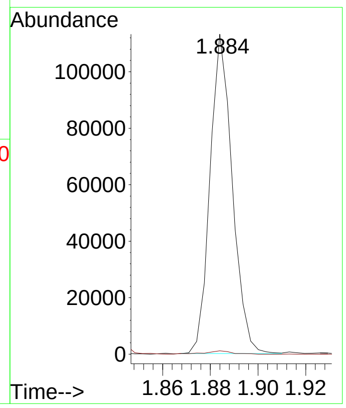
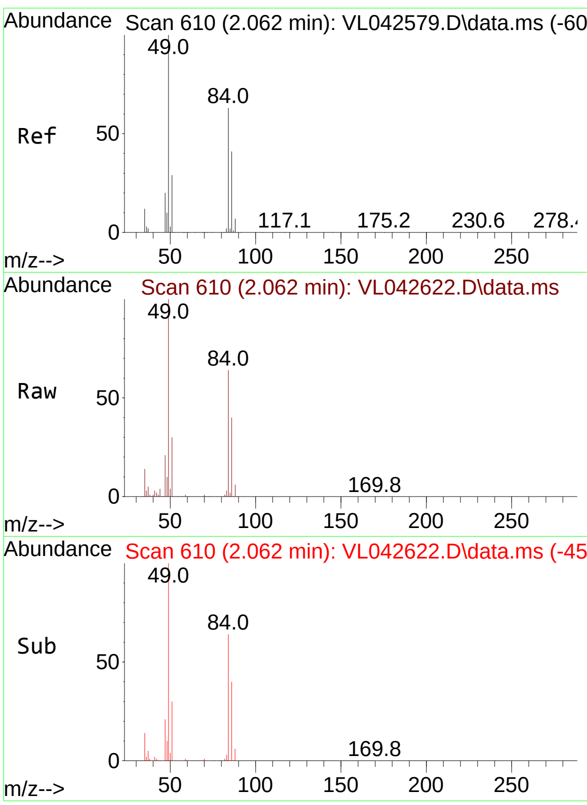
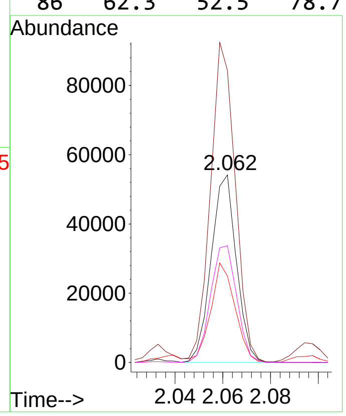


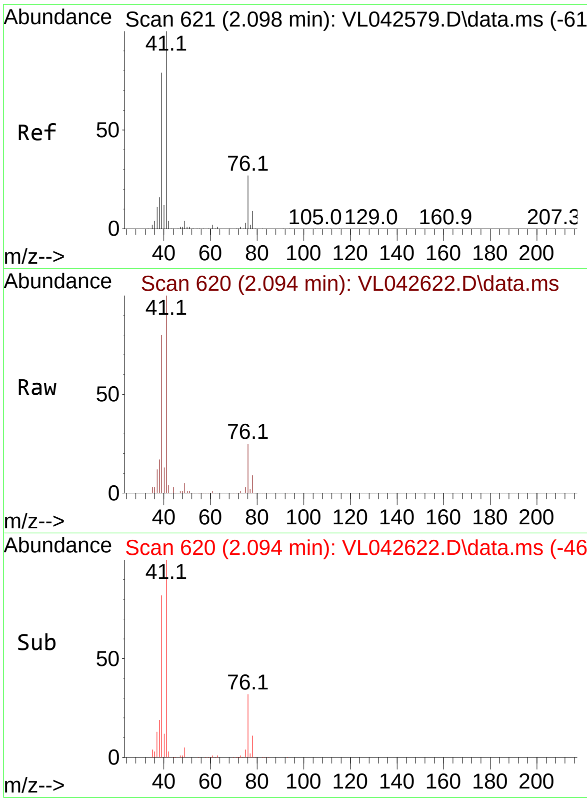


#20
Methylene Chloride
Concen: 9.326 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 84 Resp: 39938

Ion	Ratio	Lower	Upper
84	100		
49	154.3	128.8	193.2
51	45.8	38.6	57.8
86	62.3	52.5	78.7





#21
Allyl Chloride
Concen: 9.964 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 9123

Ion	Ratio	Lower	Upper
41	100		
76	27.0	21.2	31.8
39	80.7	60.9	91.3

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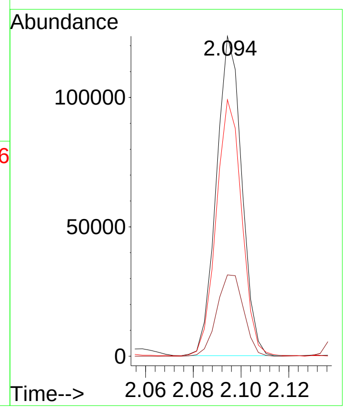
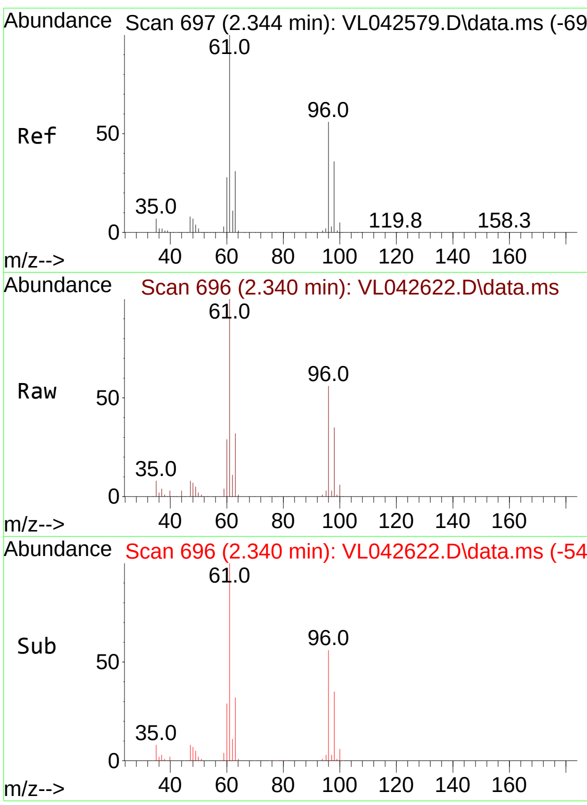
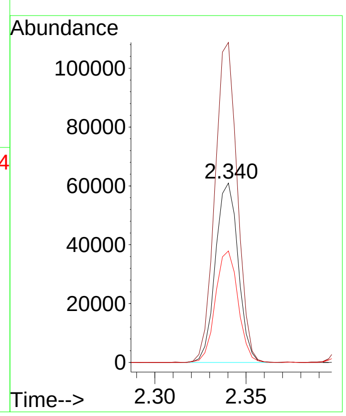


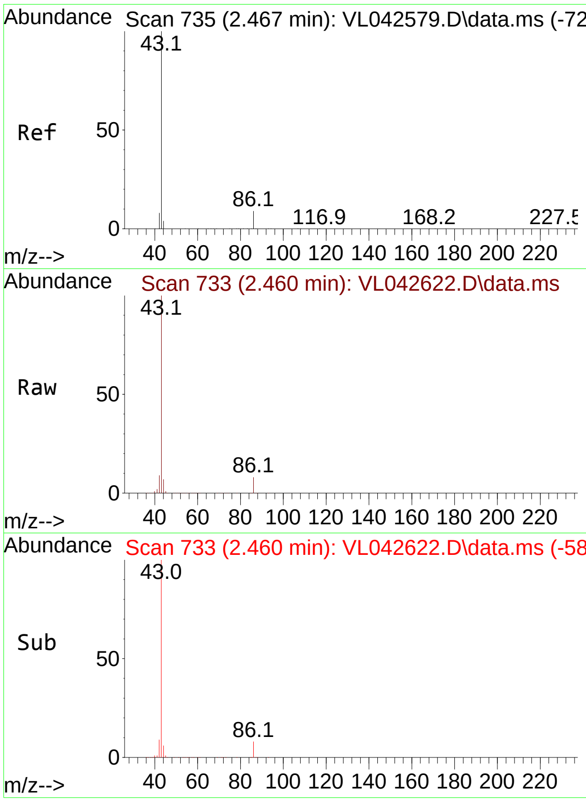


#22
trans-1,2-Dichloroethene
Concen: 10.554 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 96 Resp: 52863

Ion	Ratio	Lower	Upper
96	100		
61	178.4	142.6	214.0
98	62.2	51.0	76.4





#23
Vinyl Acetate
Concen: 12.267 ppbv
RT: 2.460 min   Scan# 7
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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Reviewed By :Semsettin Yesilyurt   06/17/2025
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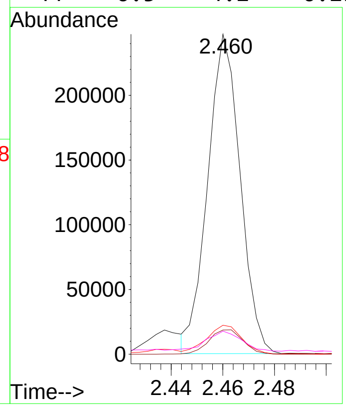
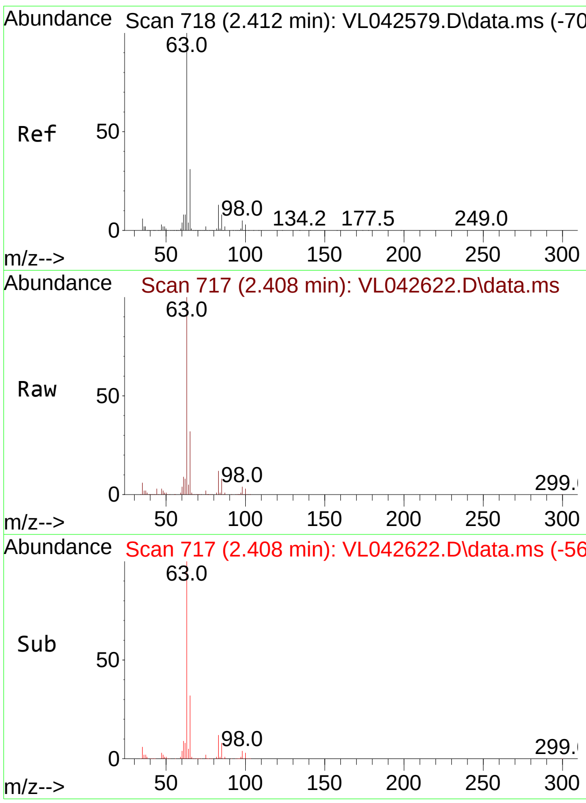
Tgt Ion: 43 Resp: 21519

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	9.0	7.0	10.4
44	6.3	4.2	6.2#

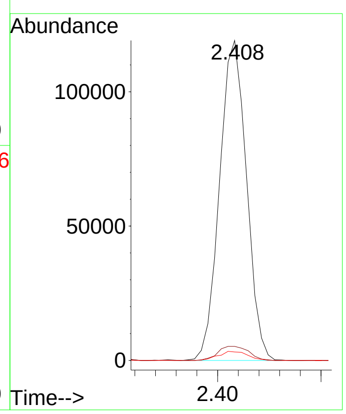


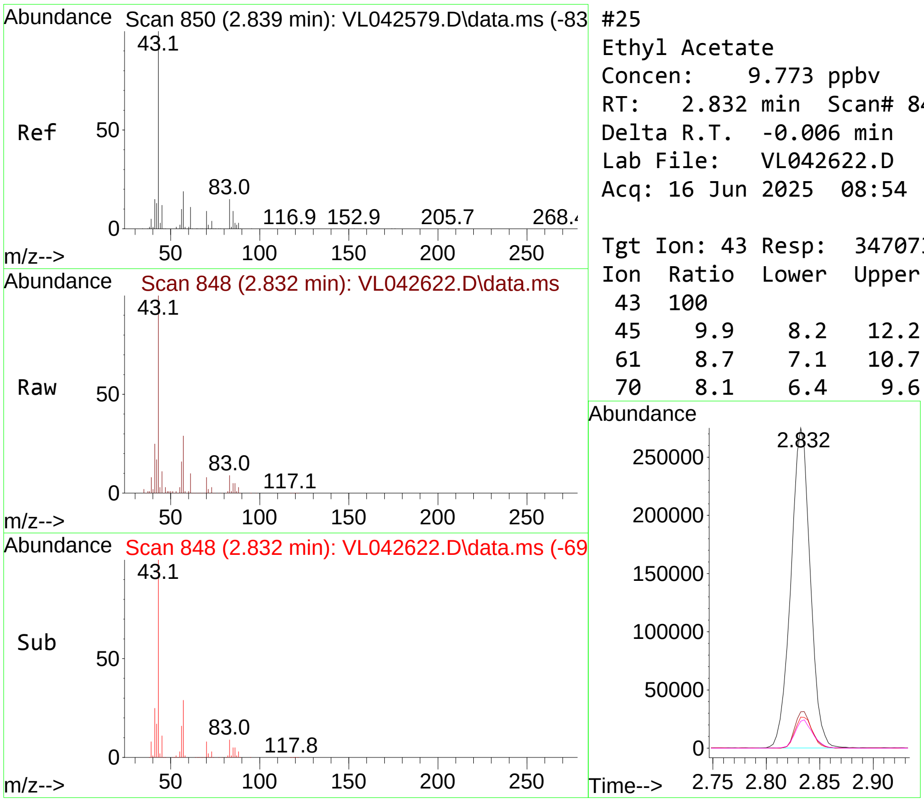


#24
1,1-Dichloroethane
Concen: 10.460 ppbv
RT: 2.408 min   Scan# 717
Delta R.T.   -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 63 Resp: 107798

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.7	1.4	4.0





#25
Ethyl Acetate
Concen: 9.773 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 43 Resp: 34707

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.7	7.1	10.7
70	8.1	6.4	9.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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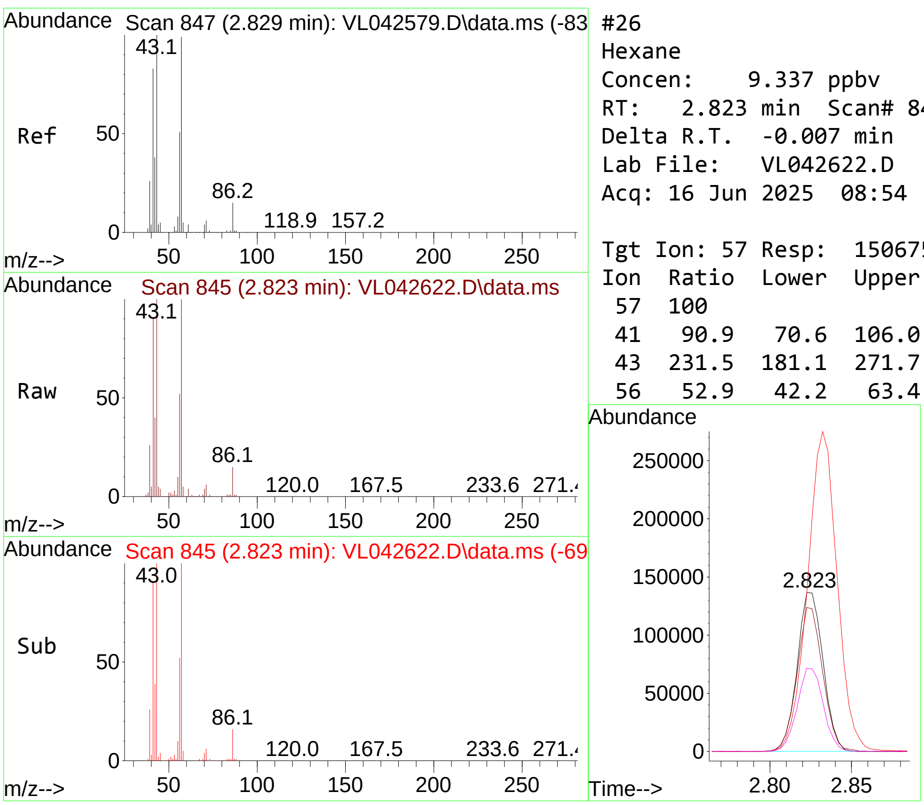
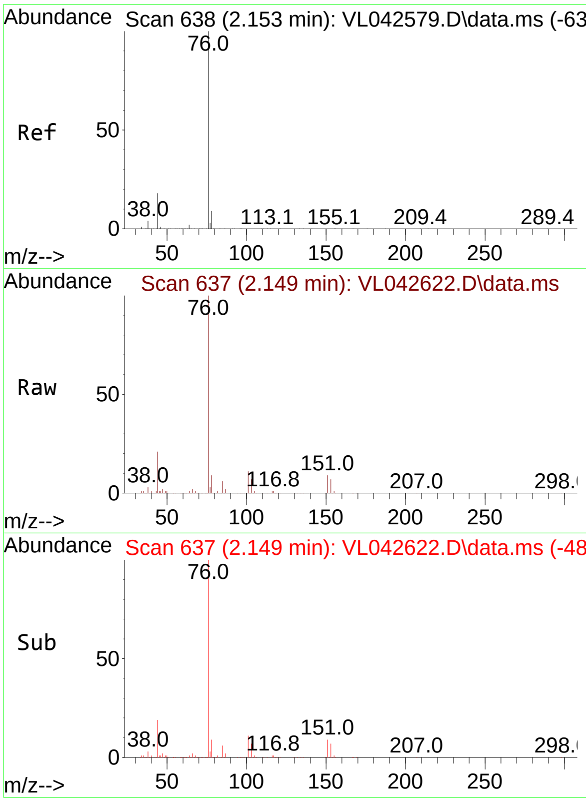
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#26
Hexane
Concen: 9.337 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 57 Resp: 150675

Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.6	106.0
43	231.5	181.1	271.7
56	52.9	42.2	63.4



#27
Carbon Disulfide
Concen: 10.923 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 13532

Ion	Ratio	Lower	Upper
76	100		
44	20.1	21.3	31.9#
78	11.5	9.4	14.0

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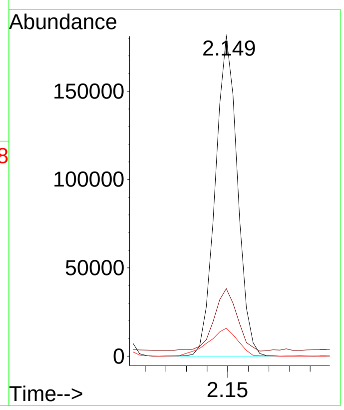
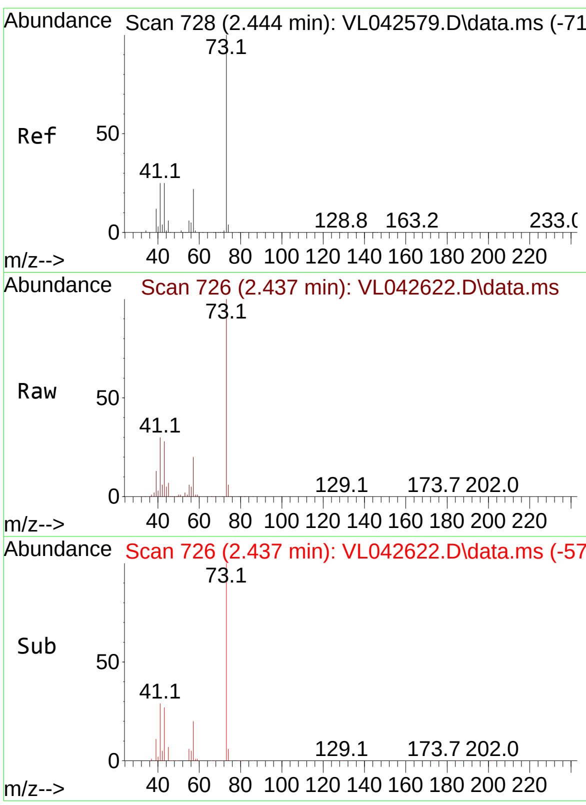
Supervised By :Mahesh Dadoda 06/17/2025

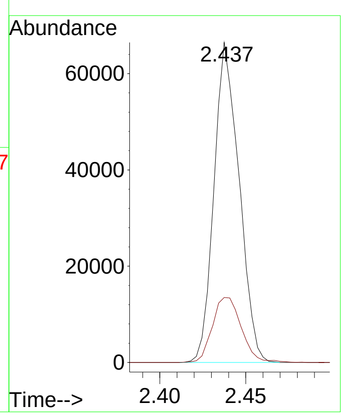


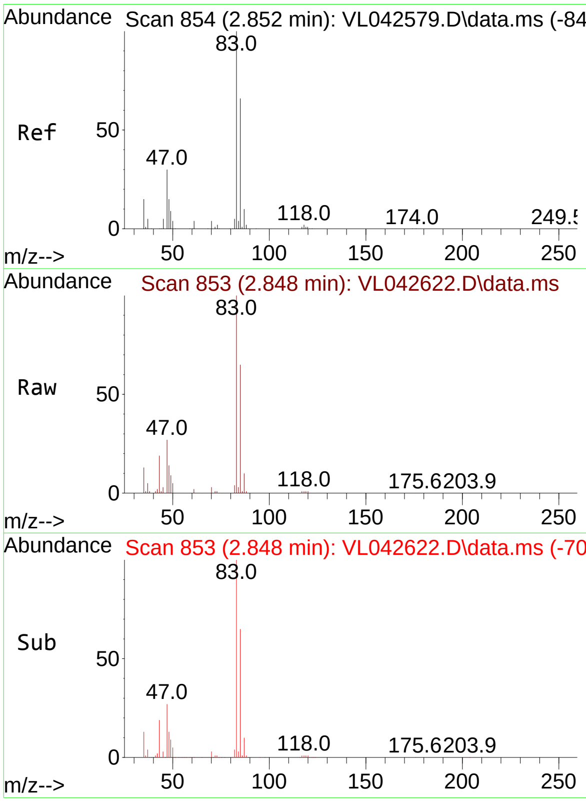


#28
Methyl tert-Butyl Ether
Concen: 10.311 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 73 Resp: 67524

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.9	29.9





#29
Chloroform
Concen: 10.259 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 215284

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2

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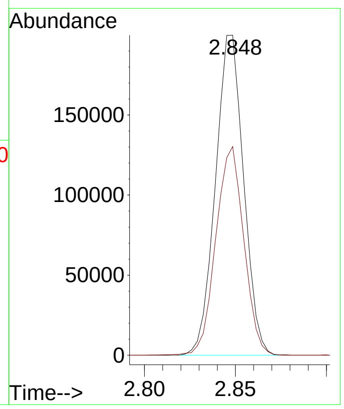
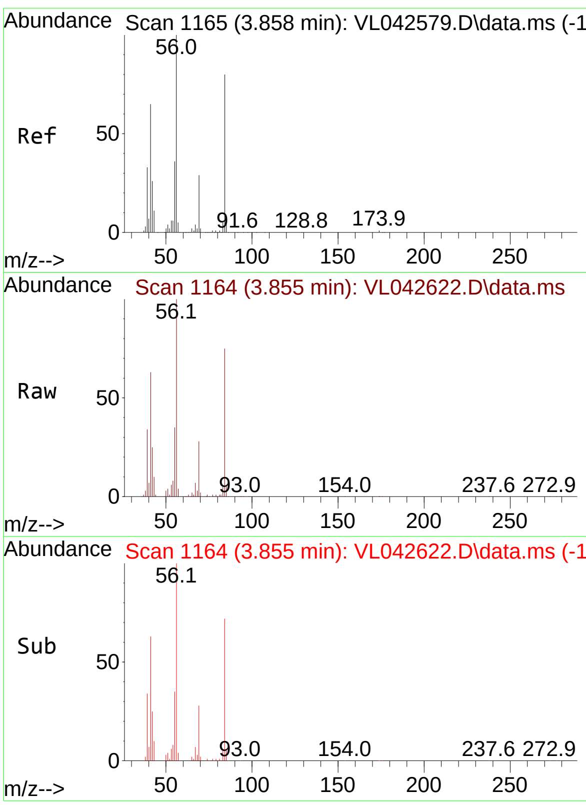
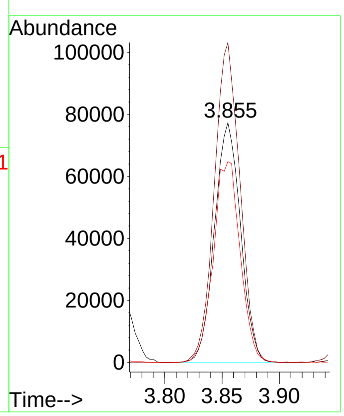


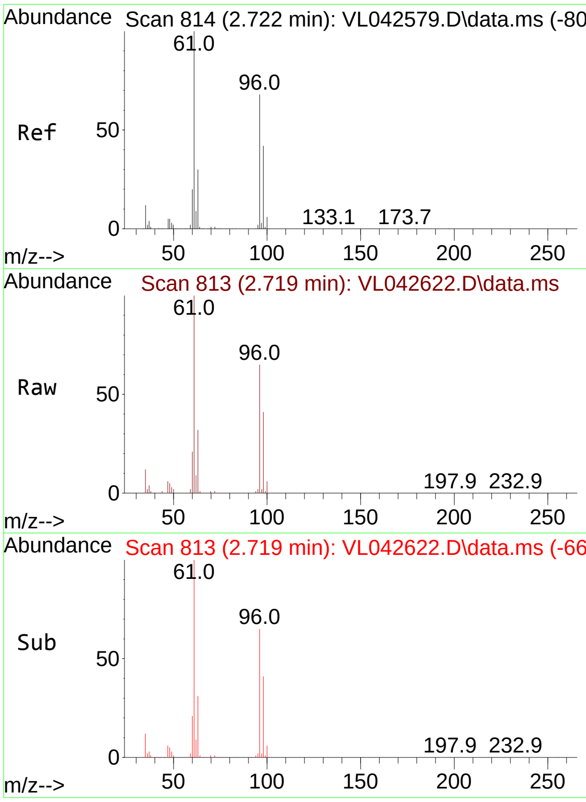


#30
Cyclohexane
Concen: 9.147 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 84 Resp: 122368

Ion	Ratio	Lower	Upper
84	100		
56	131.0	103.7	155.5
41	86.5	65.1	97.7





#31
cis-1,2-Dichloroethene
Concen: 9.909 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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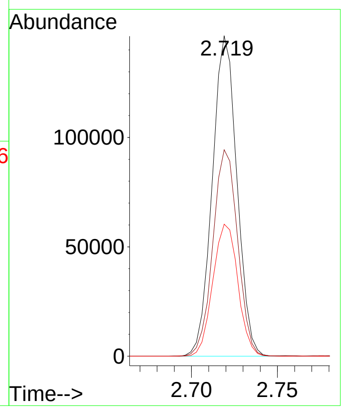
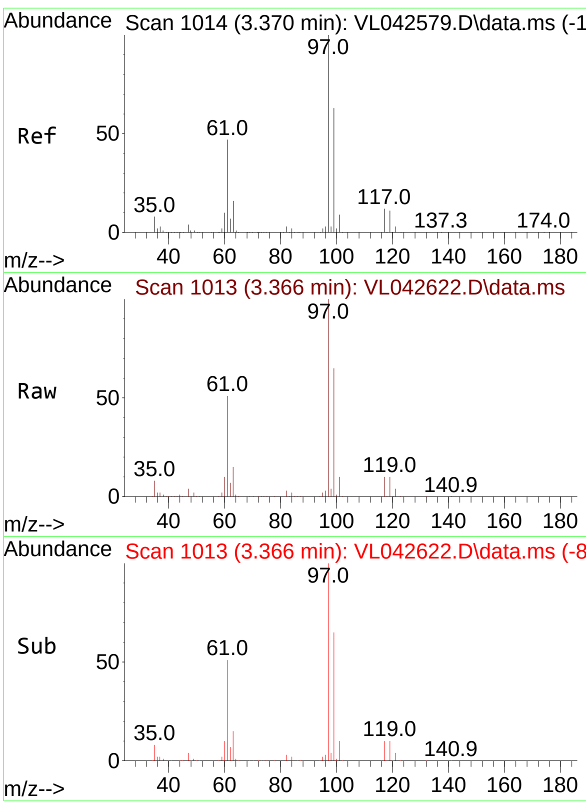
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion: 61 Resp: 14627

Ion	Ratio	Lower	Upper
61	100		
96	64.5	54.5	81.7
98	41.3	33.4	50.2

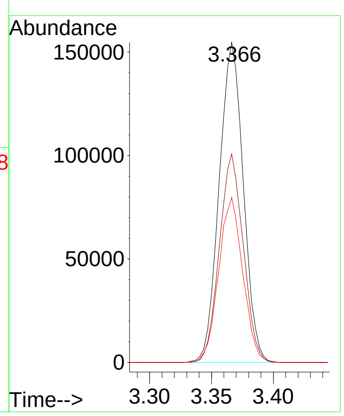


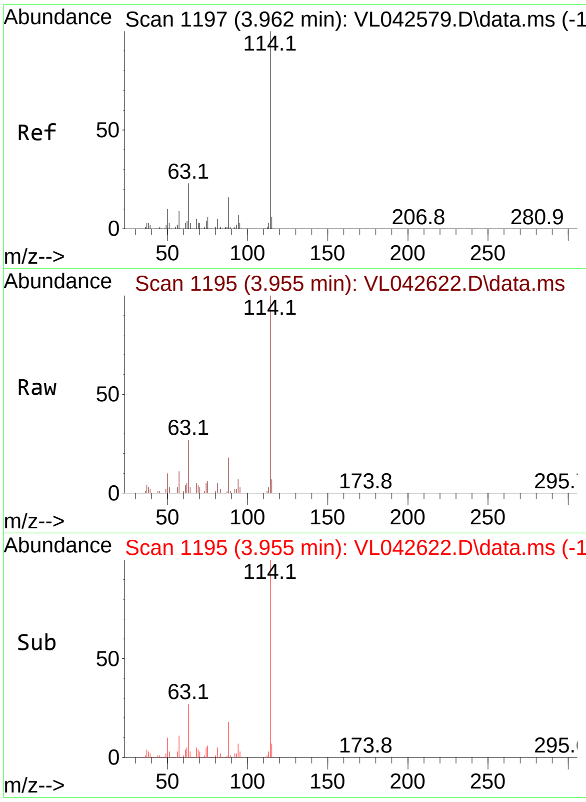


#32
1,1,1-Trichloroethane
Concen: 9.818 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 97 Resp: 210503

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	51.5	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 28889

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.0	28.6
88	17.9	13.6	20.4

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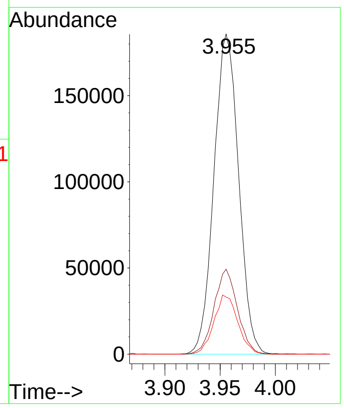
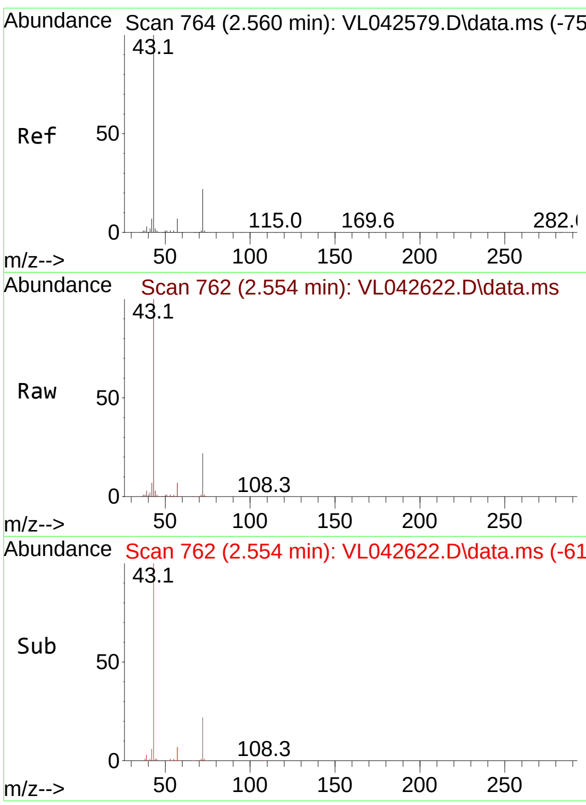
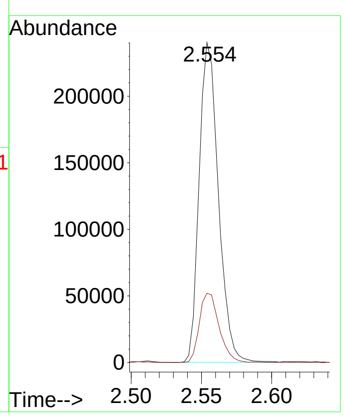


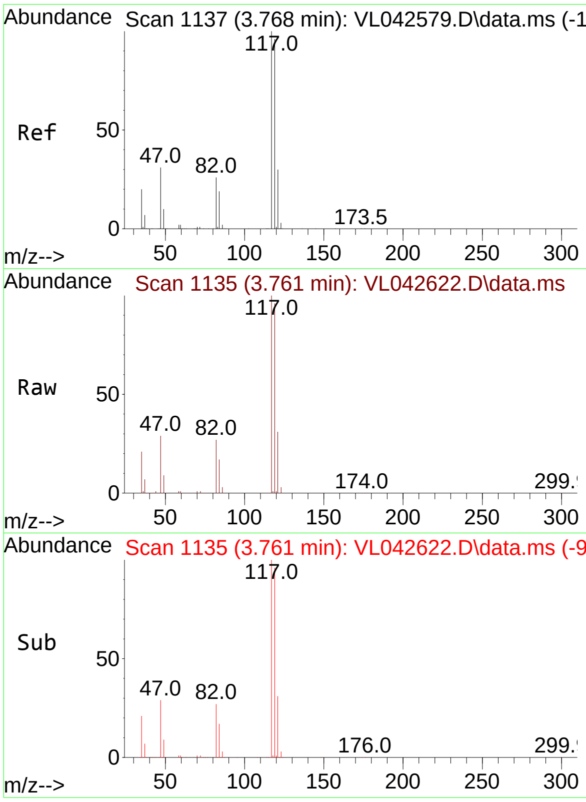


#34
2-Butanone
Concen: 11.106 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 43 Resp: 228811

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.7	26.5





#35
Carbon Tetrachloride
Concen: 11.120 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 21207

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2
121	31.1	24.3	36.5

Manual Integrations
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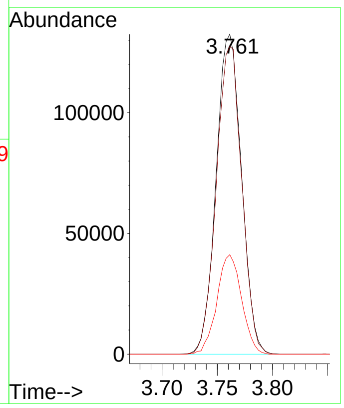
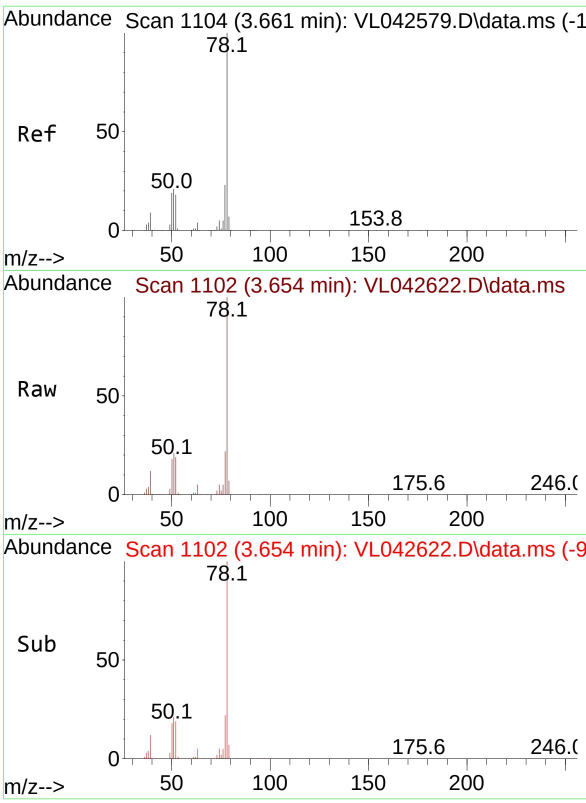
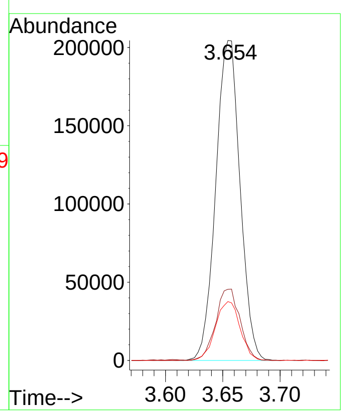


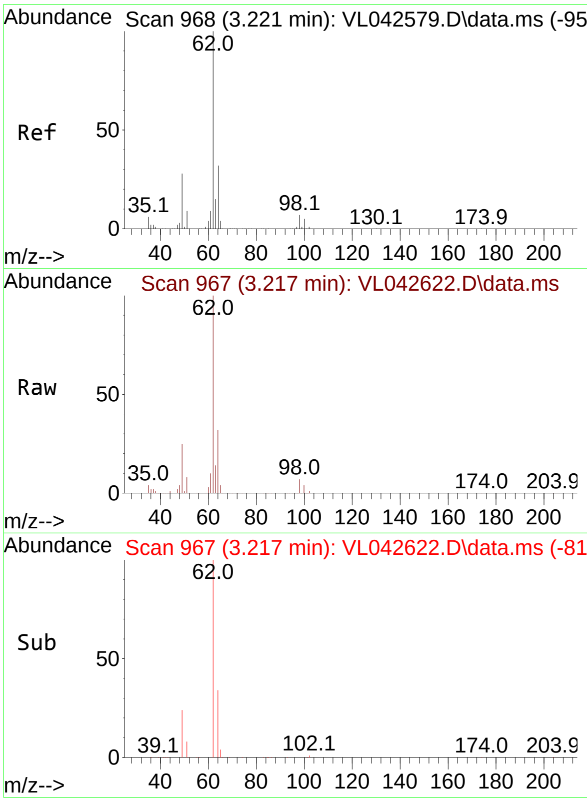


#36
Benzene
Concen: 10.602 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 78 Resp: 301626

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.2	27.2
50	18.4	15.2	22.8





#37
1,2-Dichloroethane
Concen: 11.651 ppbv
RT: 3.217 min   Scan# 96
Delta R.T.   -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 16473

Ion	Ratio	Lower	Upper
62	100		
98	7.0	6.1	9.1

Manual Integrations
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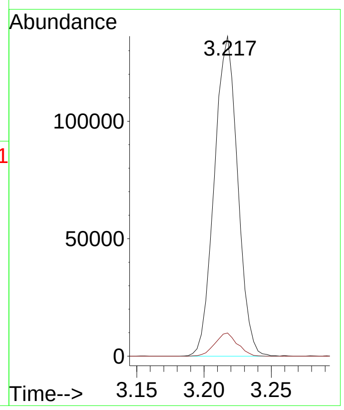
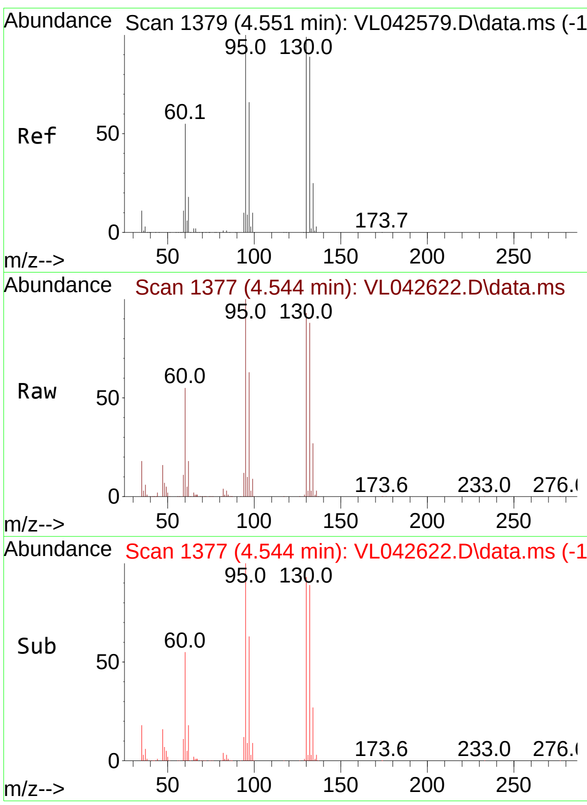
Supervised By :Mahesh Dadoda   06/17/2025

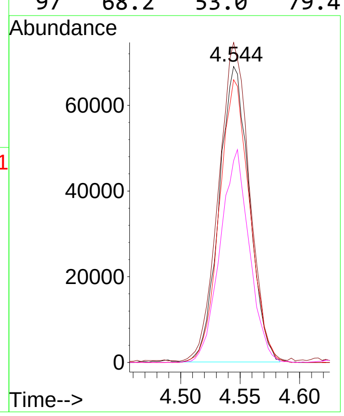


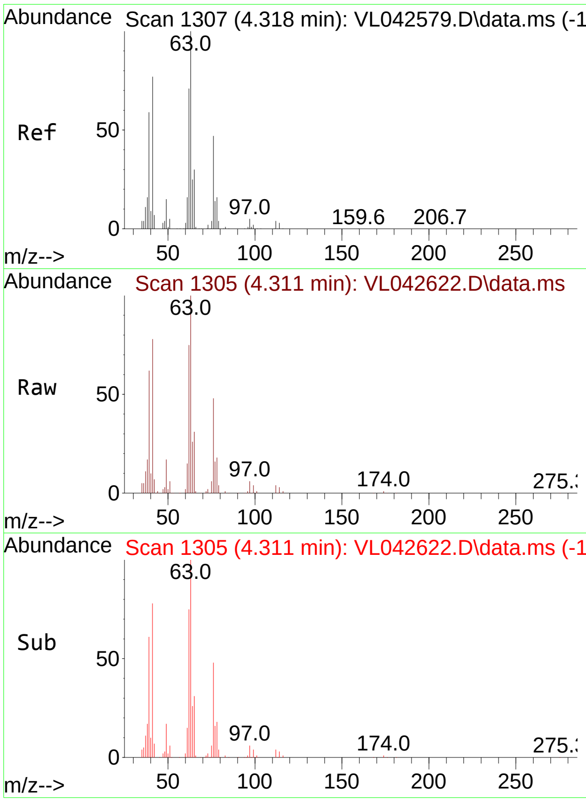


#38
Trichloroethene
Concen: 10.063 ppbv
RT: 4.544 min   Scan# 1377
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:130 Resp: 121690

Ion	Ratio	Lower	Upper
130	100		
95	107.8	80.6	121.0
132	95.7	71.8	107.6
97	68.2	53.0	79.4

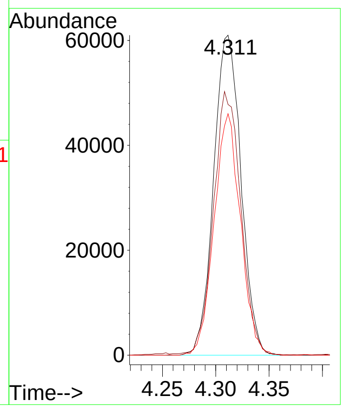




#39
1,2-Dichloropropane
Concen: 10.368 ppbv
RT: 4.311 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 63 Resp: 10907

Ion	Ratio	Lower	Upper
63	100		
41	78.1	61.8	92.6
62	75.5	56.6	85.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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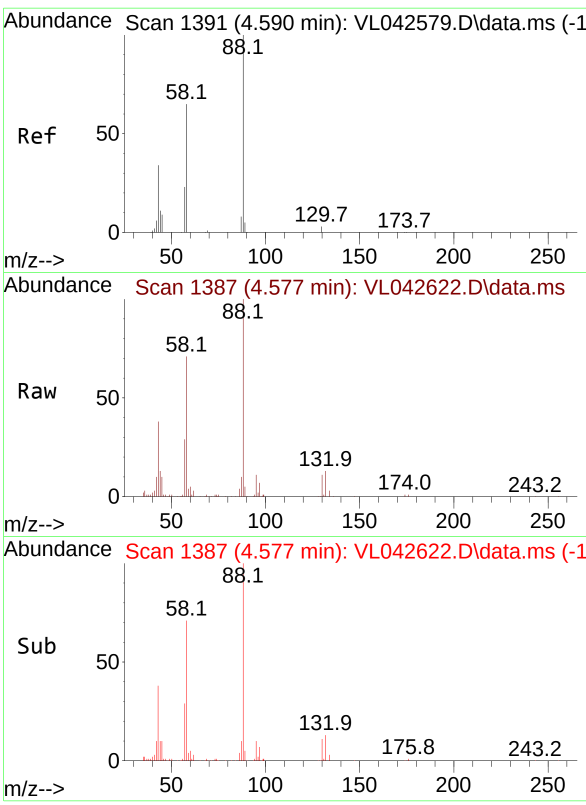
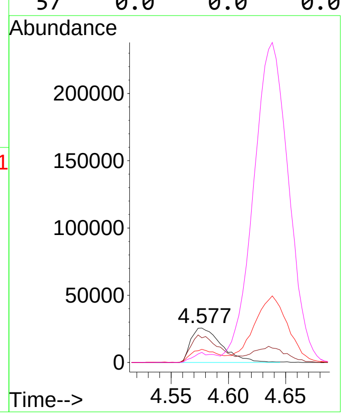
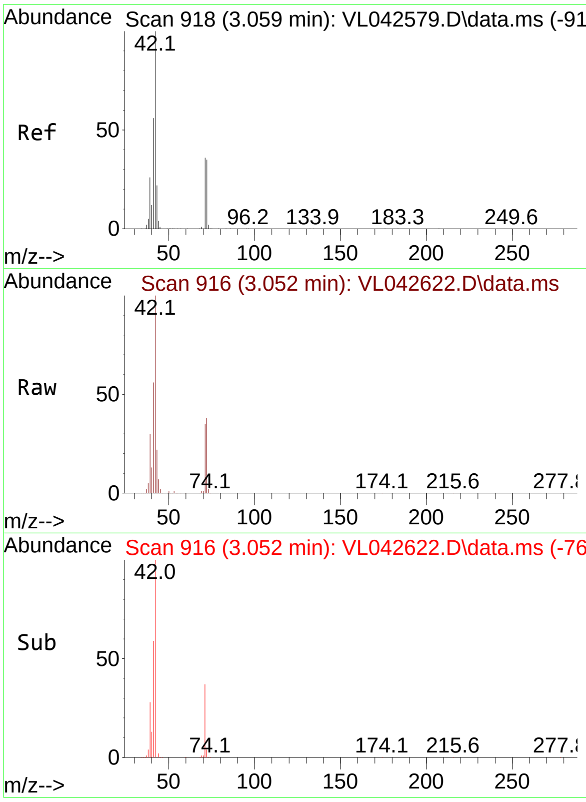


#40
1,4-Dioxane
Concen: 10.229 ppbv
RT: 4.577 min   Scan# 1387
Delta R.T.   -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 88 Resp: 48153

Ion	Ratio	Lower	Upper
88	100		
58	71.3	55.8	83.8
43	33.2	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.430 ppbv
RT: 3.052 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 42 Resp: 12578

Ion	Ratio	Lower	Upper
42	100		
72	37.1	28.9	43.3
71	35.4	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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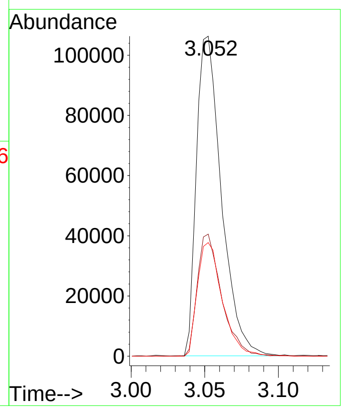
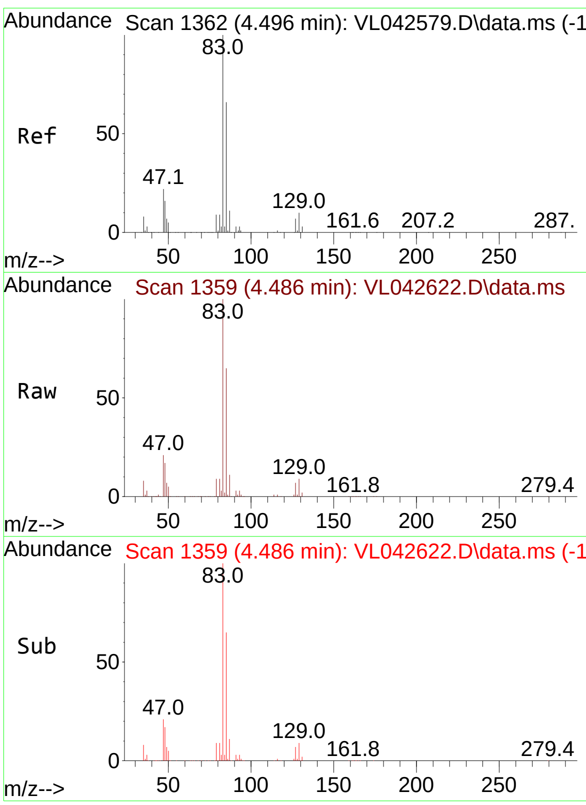
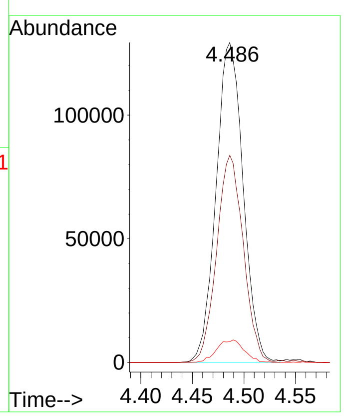


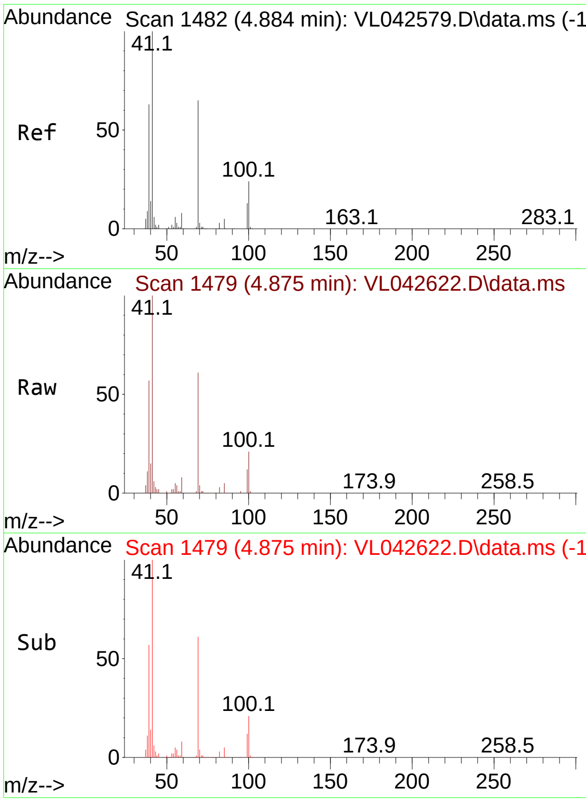


#42
Bromodichloromethane
Concen: 11.792 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 83 Resp: 236809

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.7	79.1
127	6.5	5.8	8.6





#43
Methyl Methacrylate
Concen: 10.504 ppbv
RT: 4.875 min   Scan# 14
Delta R.T.   -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 11598

Ion	Ratio	Lower	Upper
69	100		
41	154.3	124.6	187.0
100	35.3	29.9	44.9

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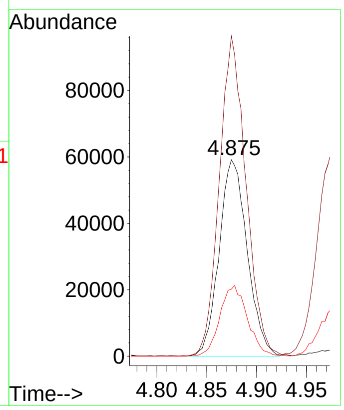
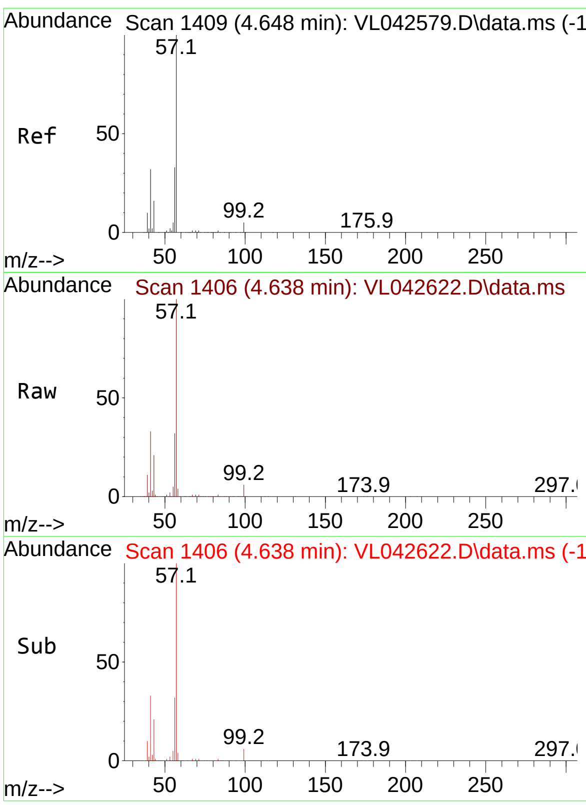
Supervised By :Mahesh Dadoda   06/17/2025

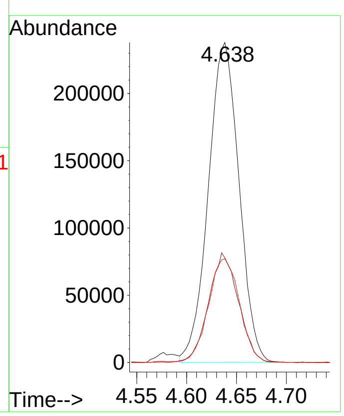


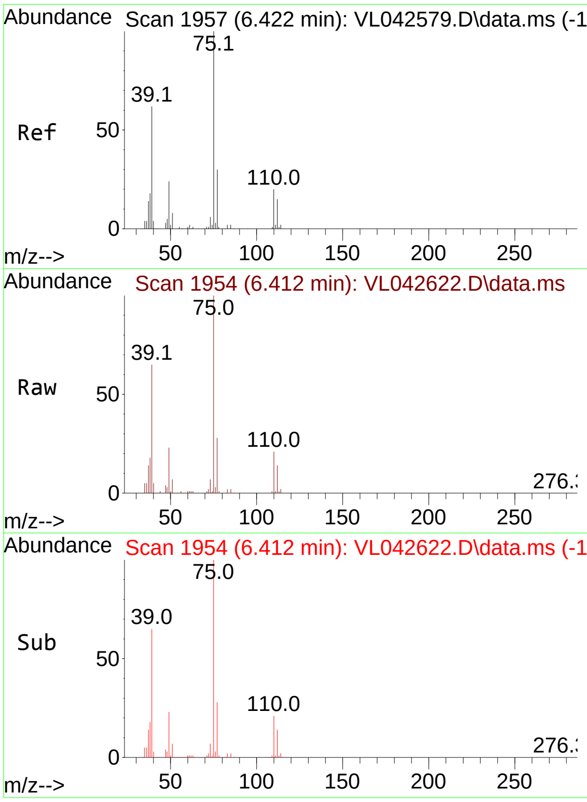


#44
2,2,4-Trimethylpentane
Concen: 10.455 ppbv
RT: 4.638 min   Scan# 1406
Delta R.T.   -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 57 Resp: 508749

Ion	Ratio	Lower	Upper
57	100		
41	33.7	26.1	39.1
56	33.1	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 10.592 ppbv
RT: 6.412 min Scan# 19
Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 133838

Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.2	36.2

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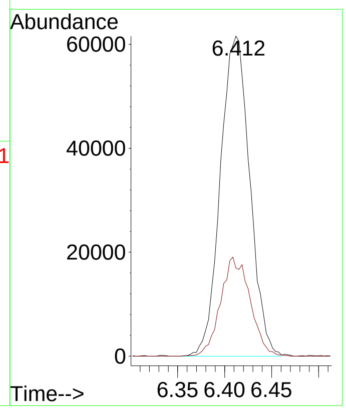
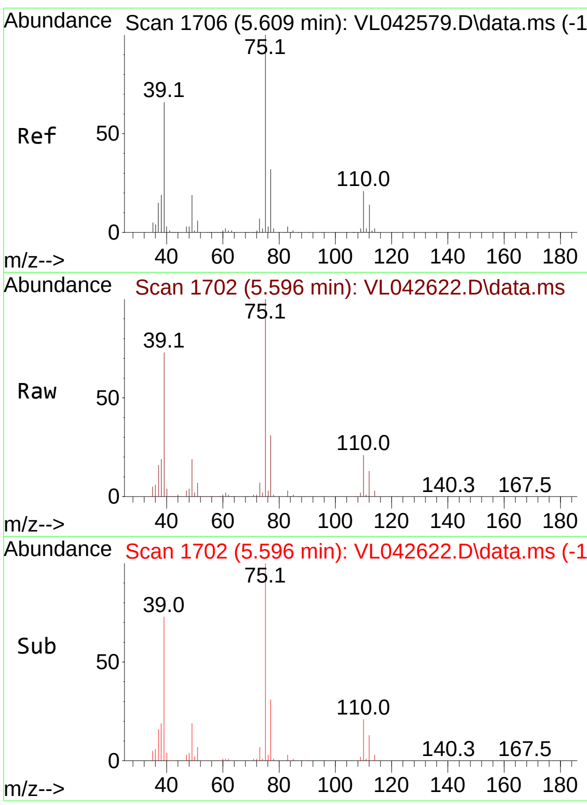
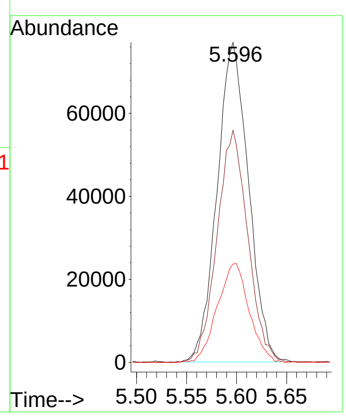


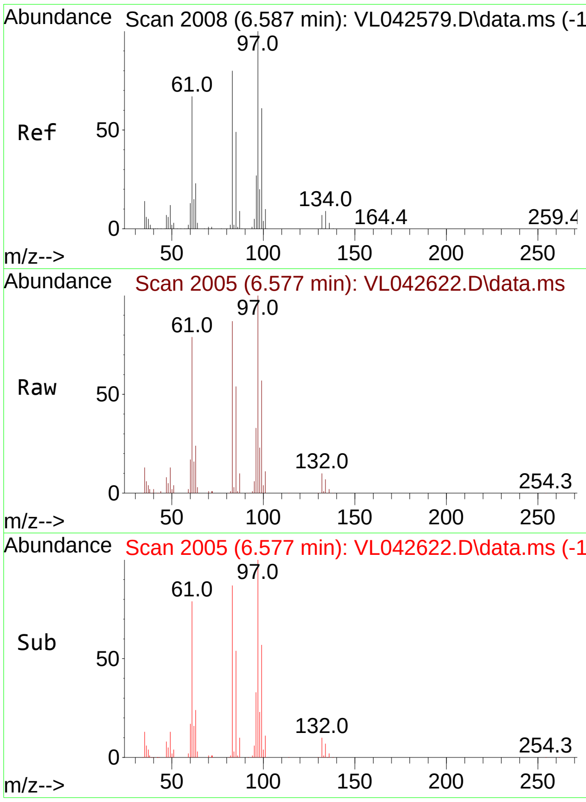


#46
cis-1,3-Dichloropropene
Concen: 10.657 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 75 Resp: 168729

Ion	Ratio	Lower	Upper
75	100		
39	72.4	52.7	79.1
77	30.6	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 10.750 ppbv
RT: 6.577 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 11707

Ion	Ratio	Lower	Upper
97	100		
83	87.5	63.9	95.9
85	54.4	39.2	58.8
99	57.4	49.0	73.4

Manual Integrations
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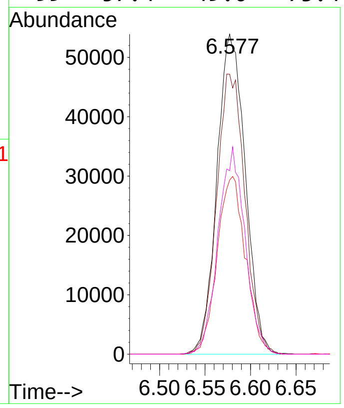
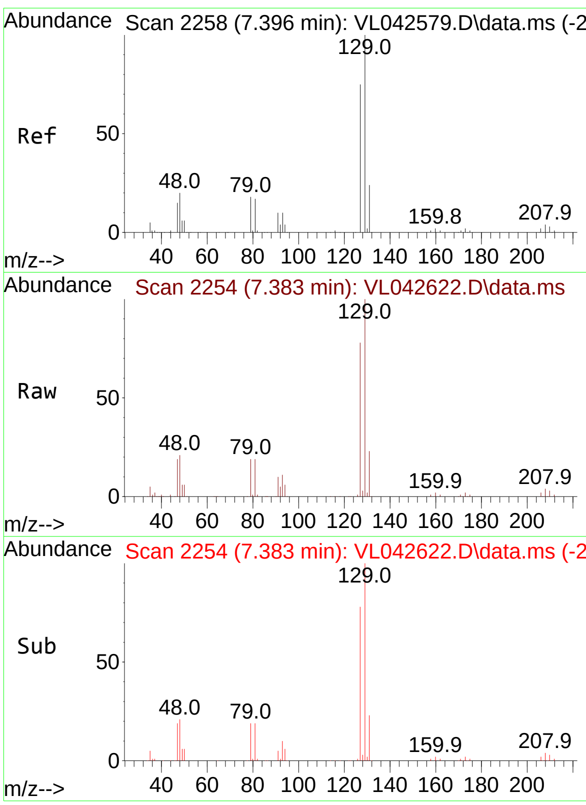
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

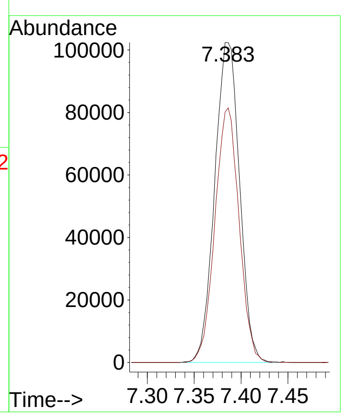


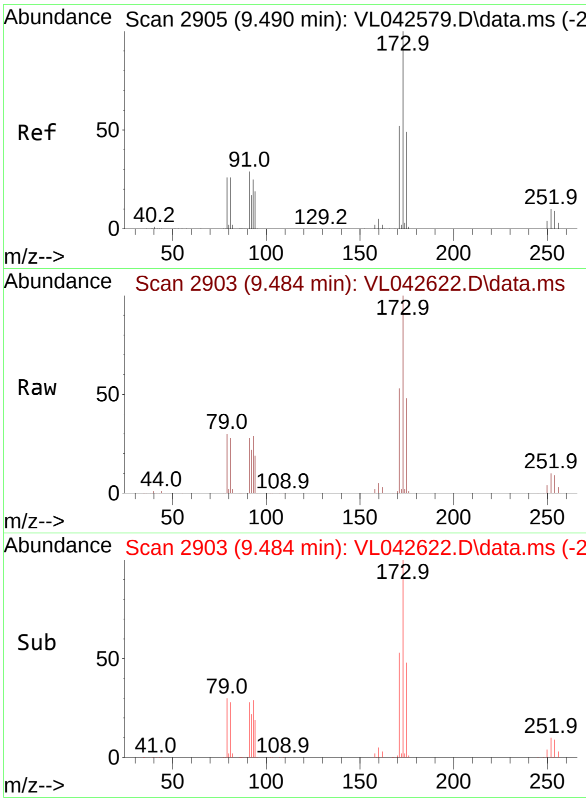


#48
Dibromochloromethane
Concen: 10.848 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:129 Resp: 189133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.0	116.9





#49
Bromoform
Concen: 10.771 ppbv
RT: 9.484 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

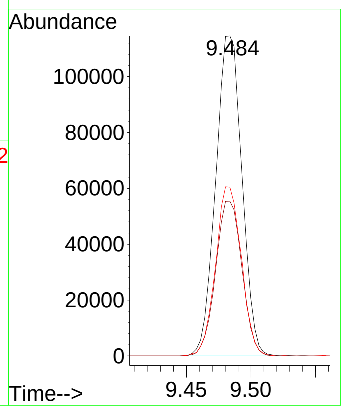
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

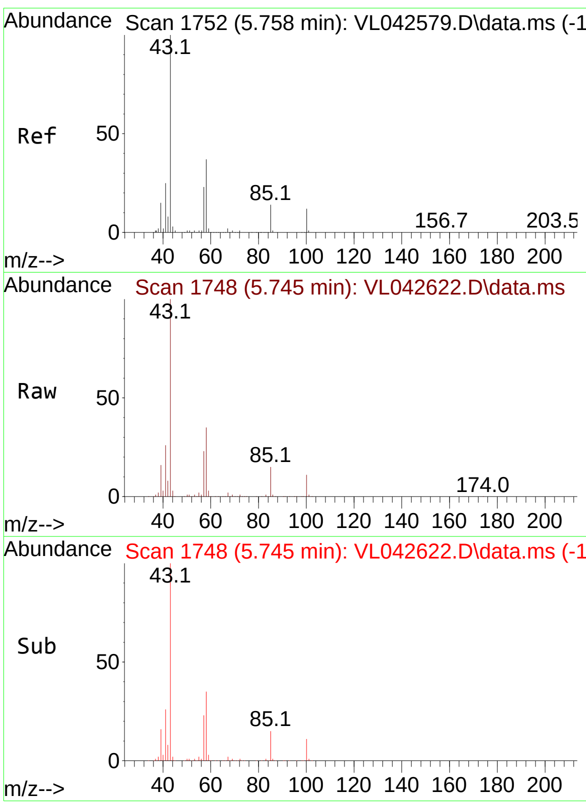
Tgt Ion:173 Resp: 16203

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
171	52.1	41.2	61.8

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

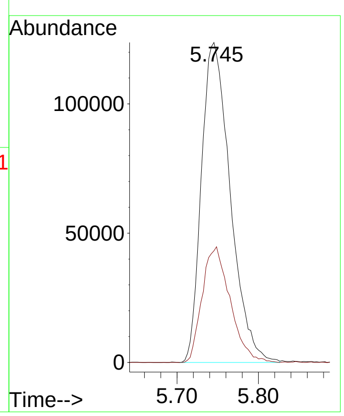


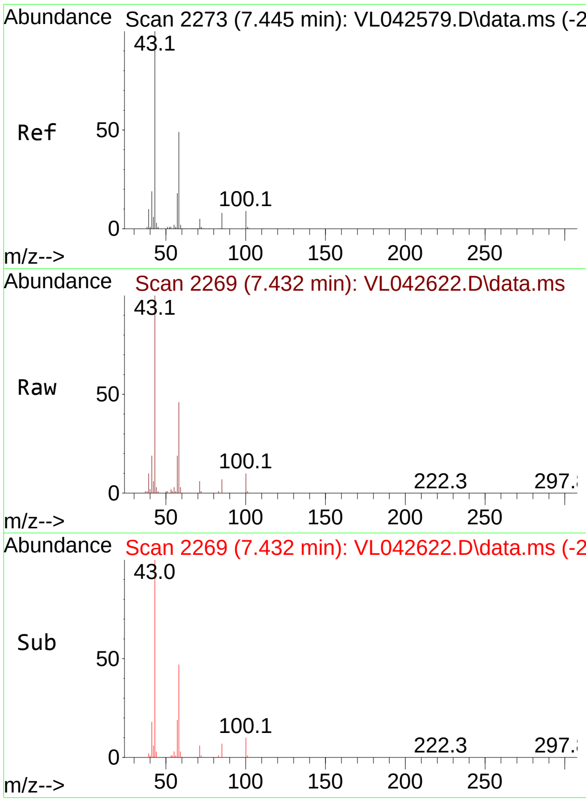


#50
4-Methyl-2-Pentanone
Concen: 10.684 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 43 Resp: 305302

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.3	42.5





#51
2-Hexanone
Concen: 10.778 ppbv
RT: 7.432 min   Scan# 2
Delta R.T.   -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 24428

Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.9	59.9
98	0.4	0.1	0.1

Manual Integrations
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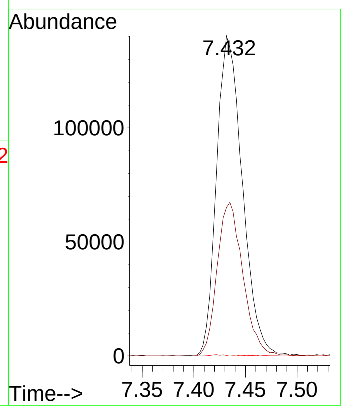
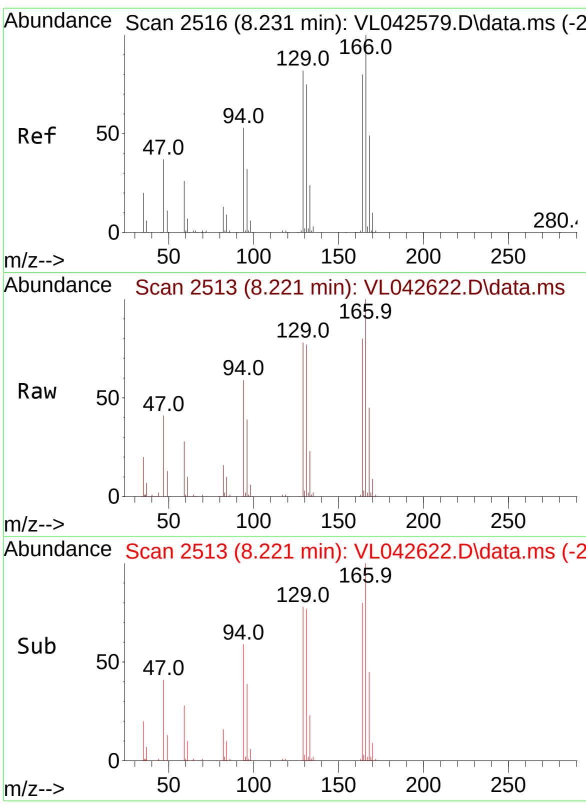
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

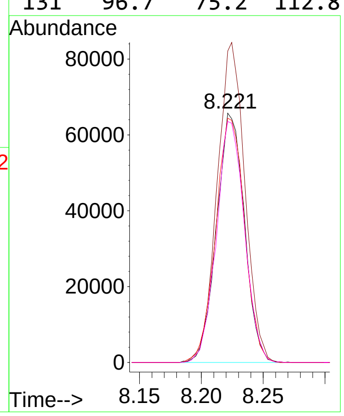


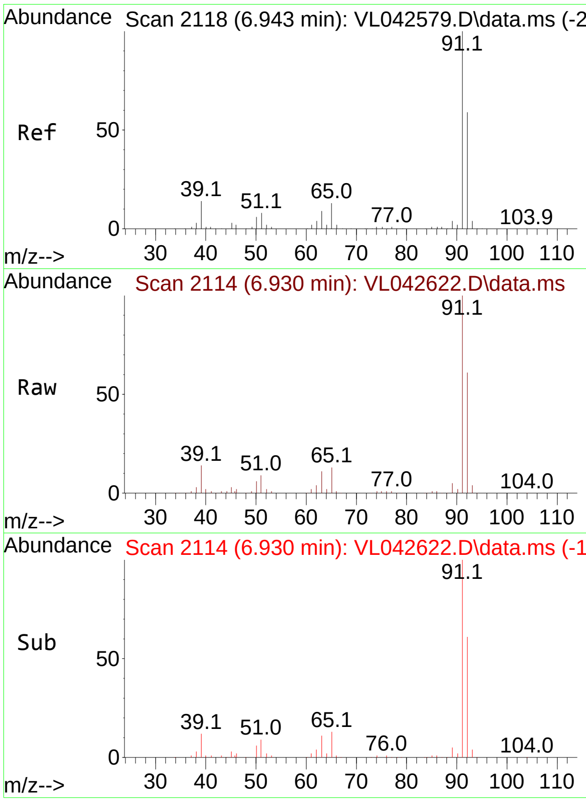


#52
Tetrachloroethene
Concen: 9.704 ppbv
RT: 8.221 min   Scan# 2513
Delta R.T.   -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:164 Resp: 103159

Ion	Ratio	Lower	Upper
164	100		
166	124.9	100.0	150.0
129	98.0	82.2	123.4
131	96.7	75.2	112.8






```
#53
Toluene
Concen:   10.265 ppbv
RT:   6.930 min   Scan# 2
Delta R.T.   -0.013 min
Lab File:    VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 91 Resp:  33753
Ion   Ratio   Lower   Upper
 91   100
 92    59.7    48.2    72.4
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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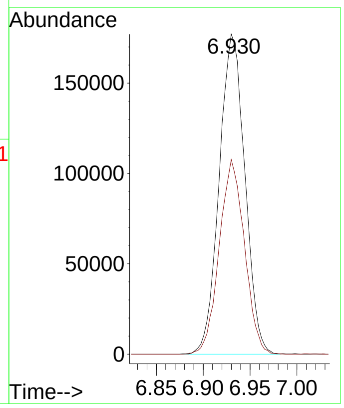
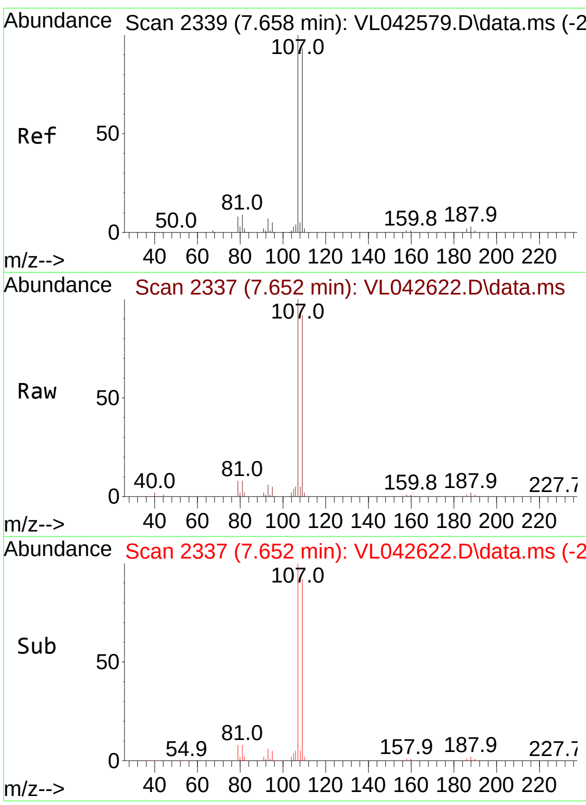
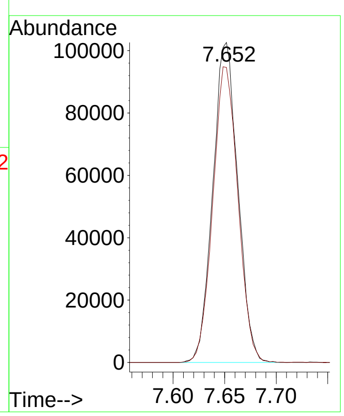
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

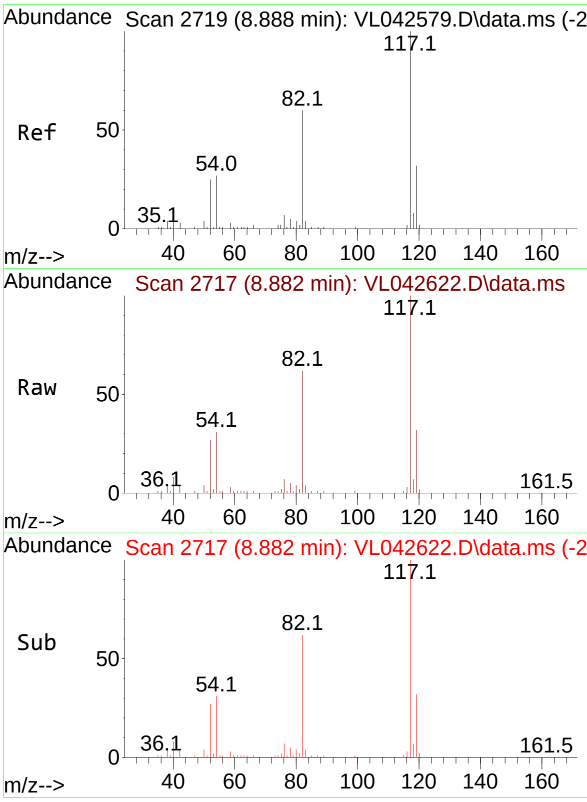





```
#54
1,2-Dibromoethane
Concen:   10.772 ppbv
RT:   7.652 min   Scan# 2337
Delta R.T.   -0.006 min
Lab File:    VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:107 Resp:  173642
Ion   Ratio   Lower   Upper
107   100
109    92.2    74.3   111.5
```





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min   Scan# 2
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 26250

Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.2	76.8
119	30.6	26.3	39.5

Manual Integrations
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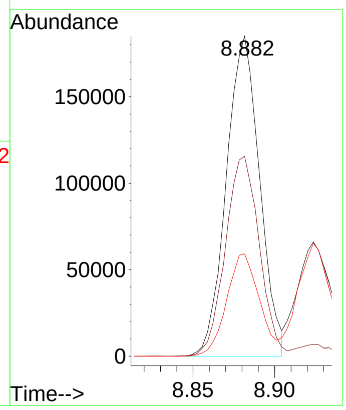
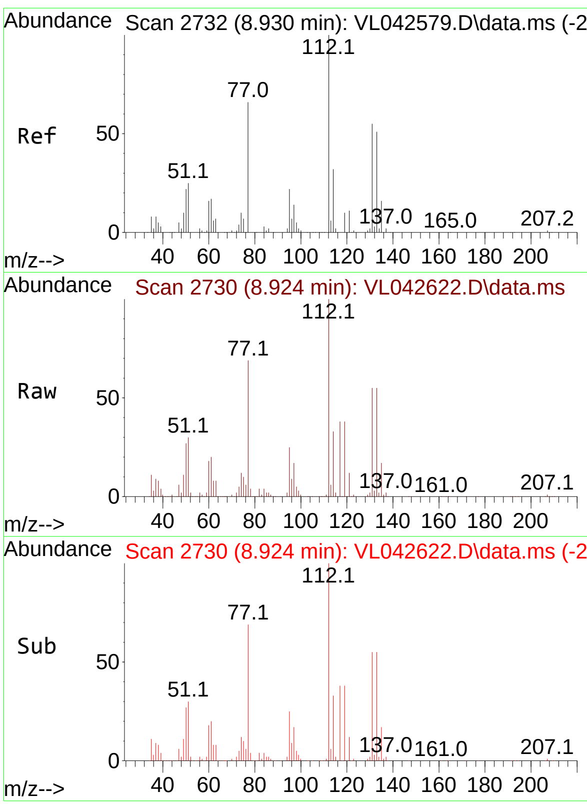
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

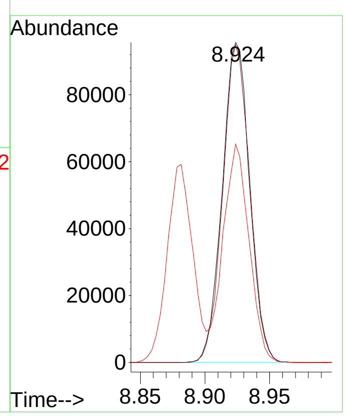


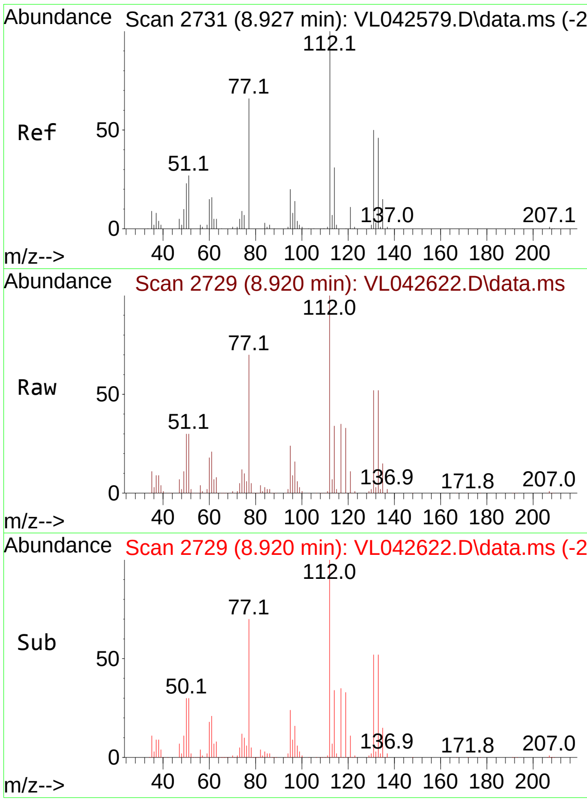


#56
1,1,1,2-Tetrachloroethane
Concen: 10.680 ppbv
RT: 8.924 min   Scan# 2730
Delta R.T.   -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:131 Resp: 140969

Ion	Ratio	Lower	Upper
131	100		
133	98.2	75.0	112.6
119	65.3	50.8	76.2





#57
Chlorobenzene
Concen: 10.116 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 25784

Ion	Ratio	Lower	Upper
112	100		
77	70.5	53.5	80.3
114	33.5	27.8	34.0

Manual Integrations
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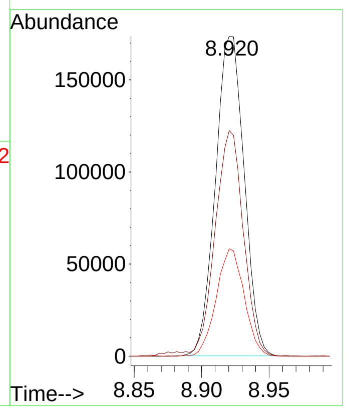
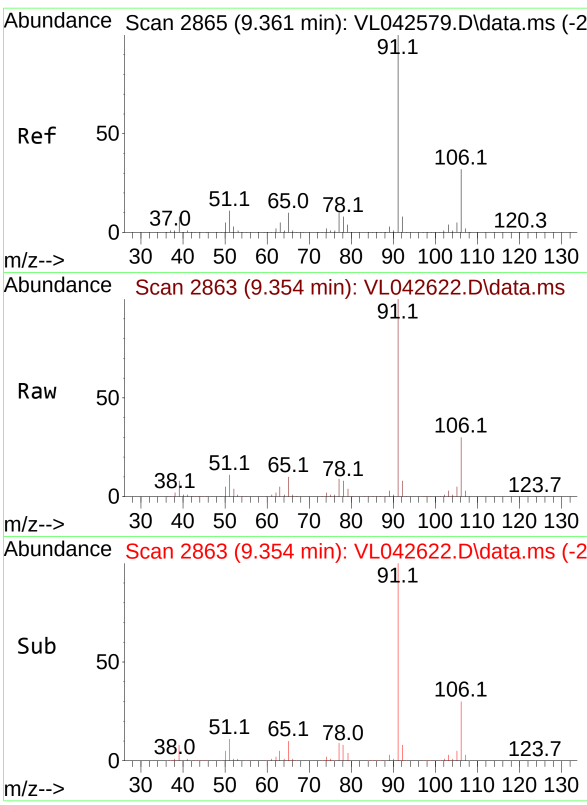
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

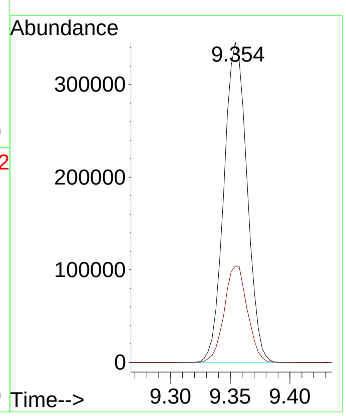


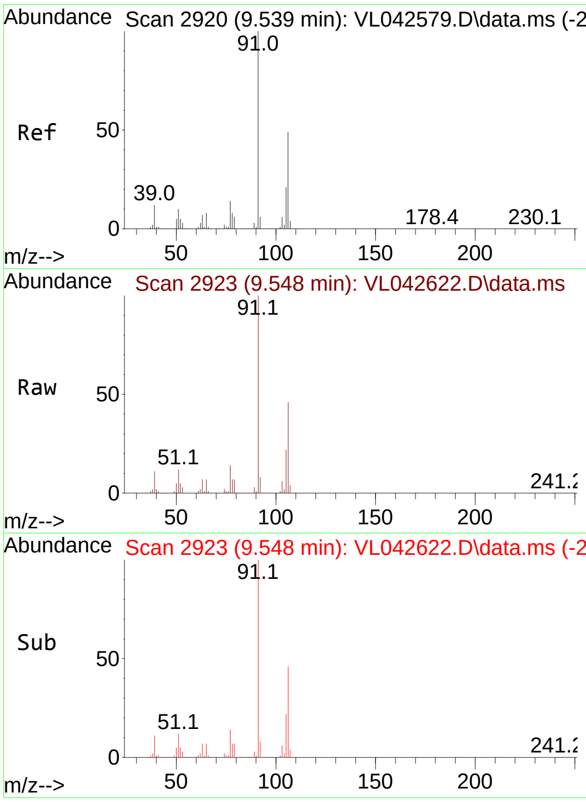


#58
Ethyl Benzene
Concen: 10.452 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 465413

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.9	38.9





#59
m/p-Xylene
Concen: 21.392 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. 0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 74960
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2#

Manual Integrations
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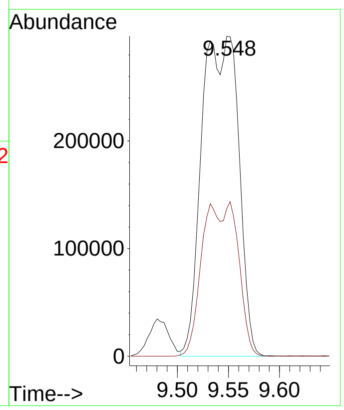
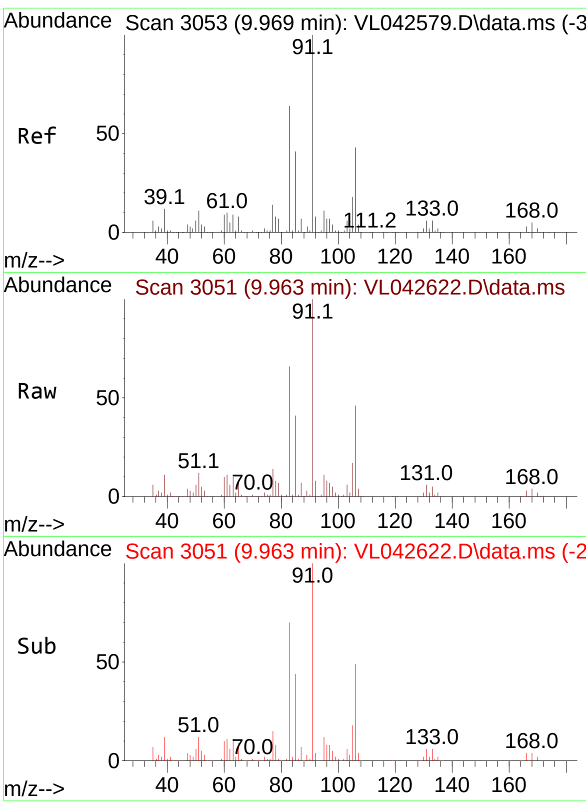
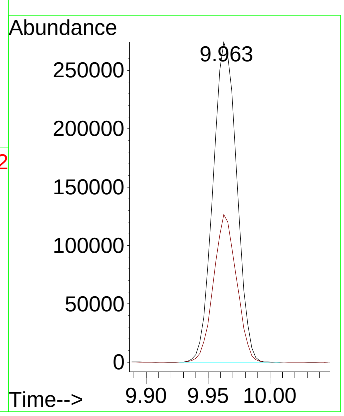
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

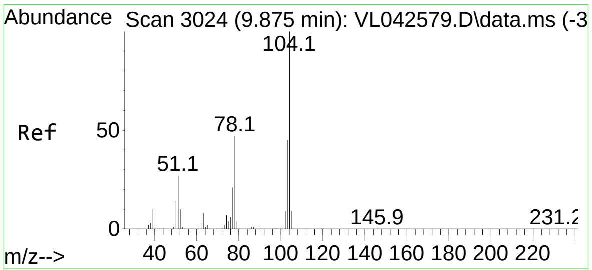


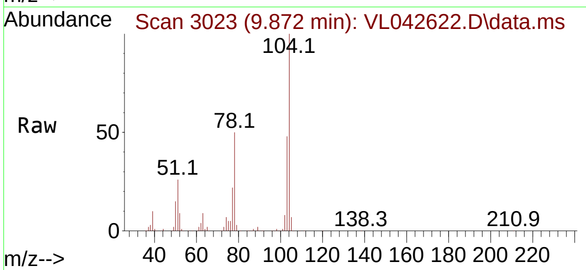


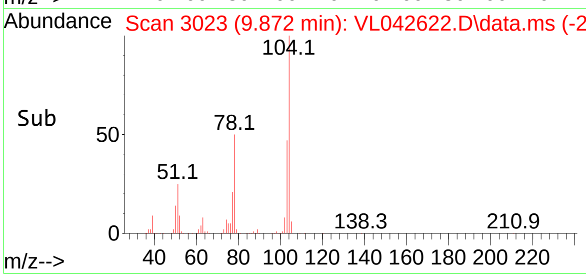
#60
o-Xylene
Concen: 10.551 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 368739
Ion Ratio Lower Upper
91 100
106 44.5 22.9 68.5









#61
Styrene
Concen: 10.130 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 16737

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.2	57.4
103	45.7	36.7	55.1

Manual Integrations
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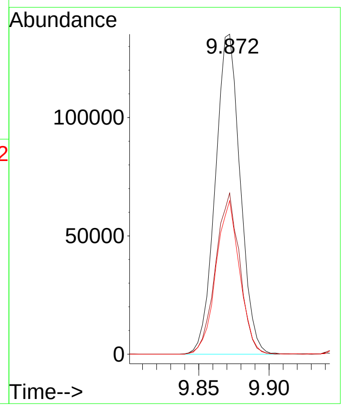
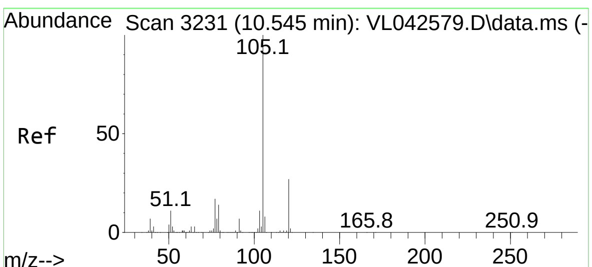
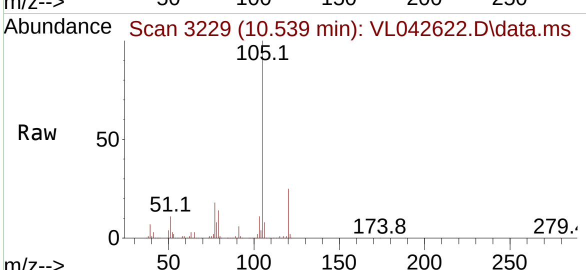
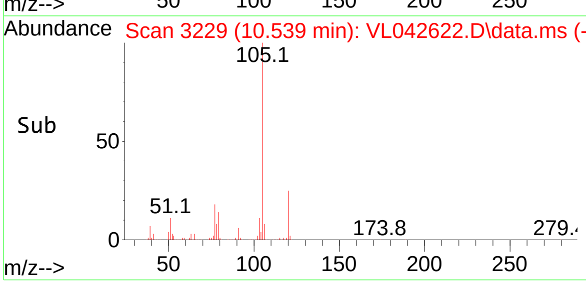
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





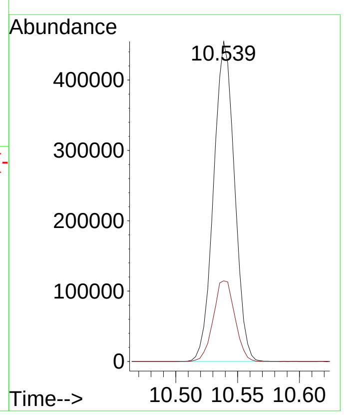


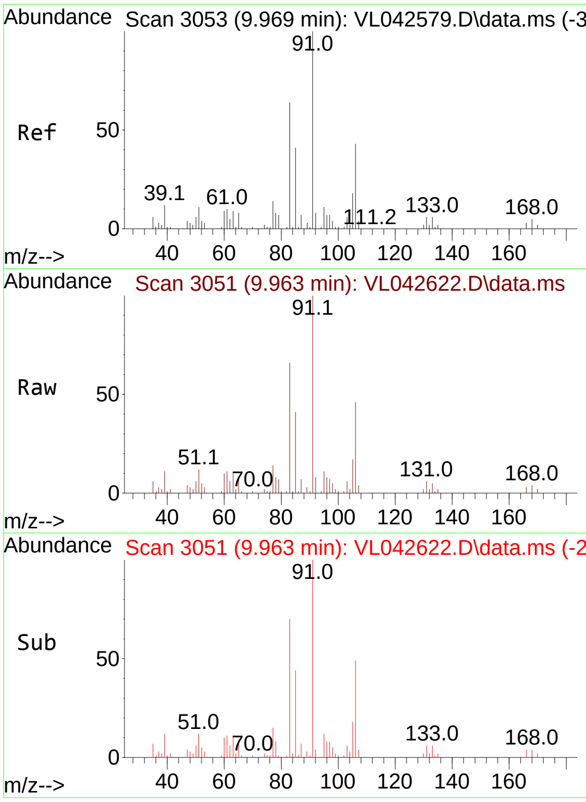


#62
Isopropylbenzene
Concen: 10.405 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:105 Resp: 537202

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 10.572 ppbv
RT: 9.963 min   Scan# 3
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 23495

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.4	32.5	97.4

Manual Integrations
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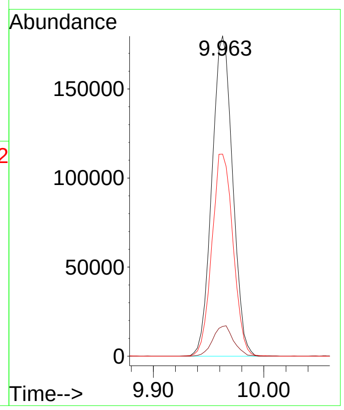
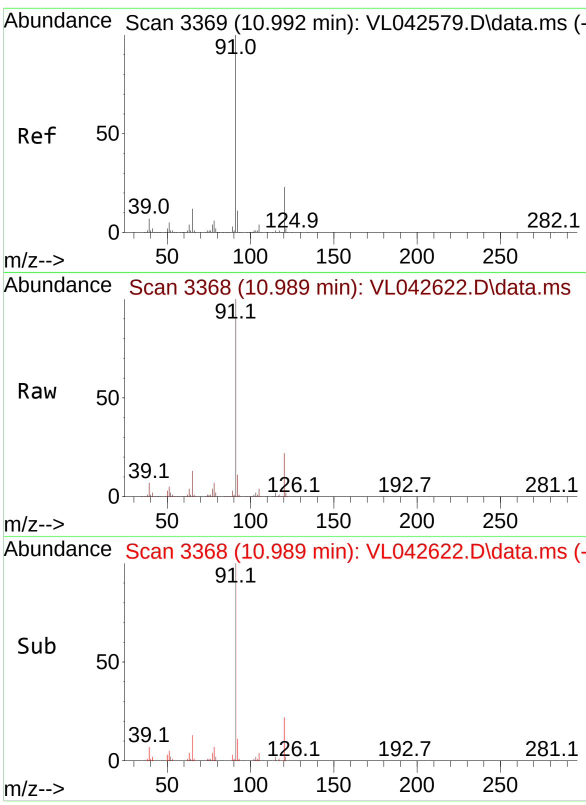
Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

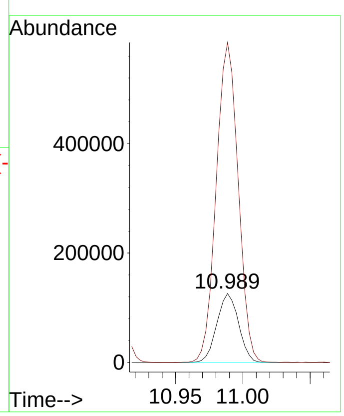


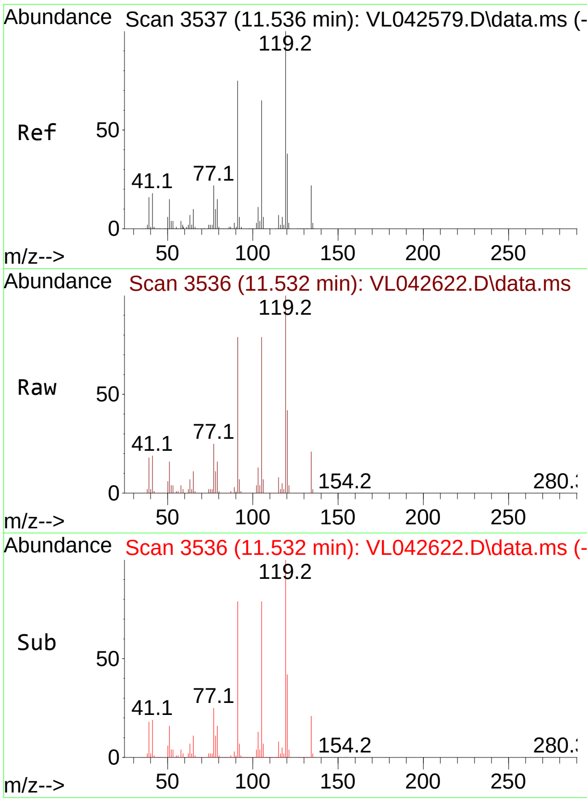


#64
n-propylbenzene
Concen: 10.210 ppbv
RT: 10.989 min   Scan# 3368
Delta R.T.   -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:120 Resp: 141307

Ion	Ratio	Lower	Upper
120	100		
91	469.4	363.0	544.6





#65
tert-Butylbenzene
Concen: 10.024 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

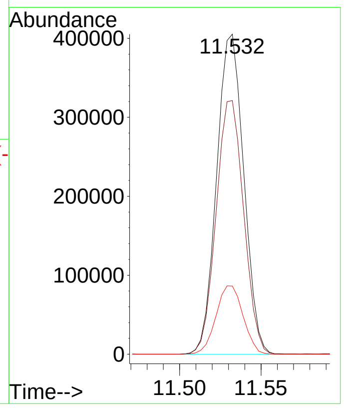
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

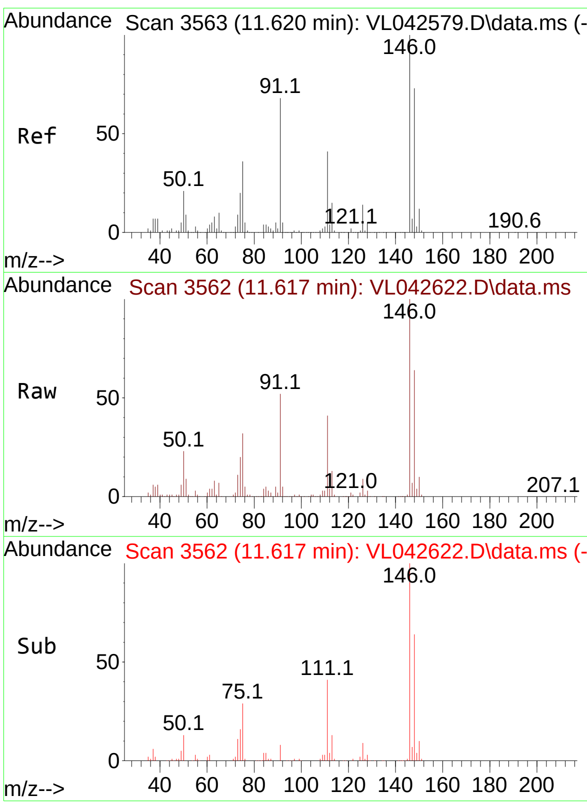
Tgt Ion:119 Resp: 46968

Ion	Ratio	Lower	Upper
119	100		
91	80.6	61.1	91.7
134	21.3	17.4	26.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

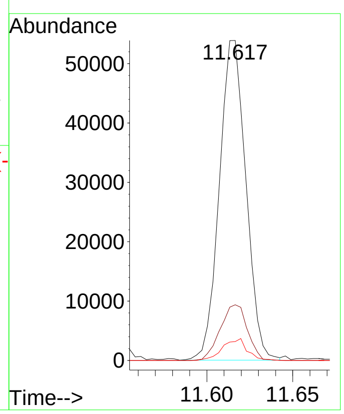


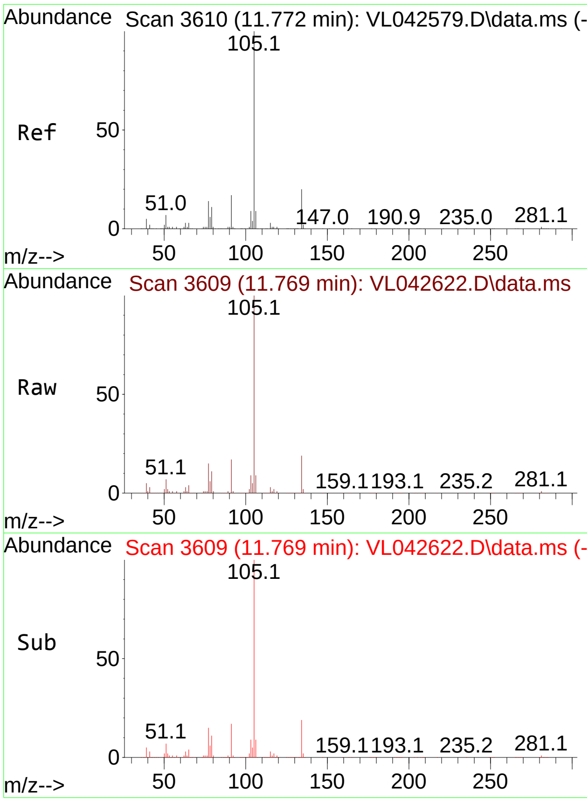


#66
Benzyl Chloride
Concen: 9.630 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 58077

Ion	Ratio	Lower	Upper
91	100		
126	17.8	15.1	22.7
128	6.3	5.0	7.6





#67
sec-Butylbenzene
Concen: 10.172 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

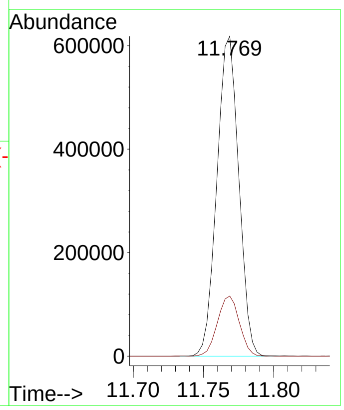
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

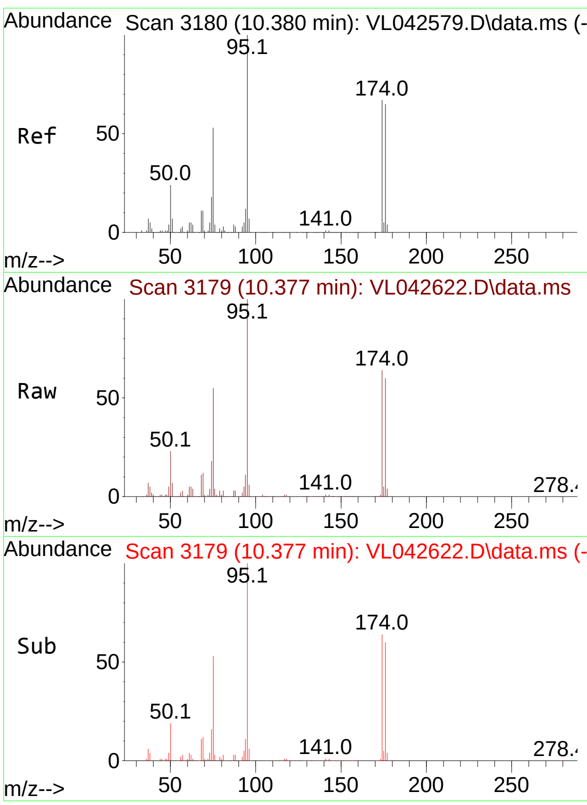
Tgt Ion:105 Resp: 67009

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.8	23.6

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

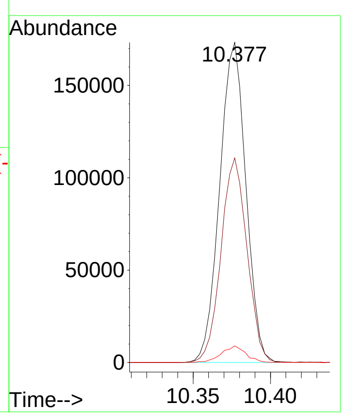


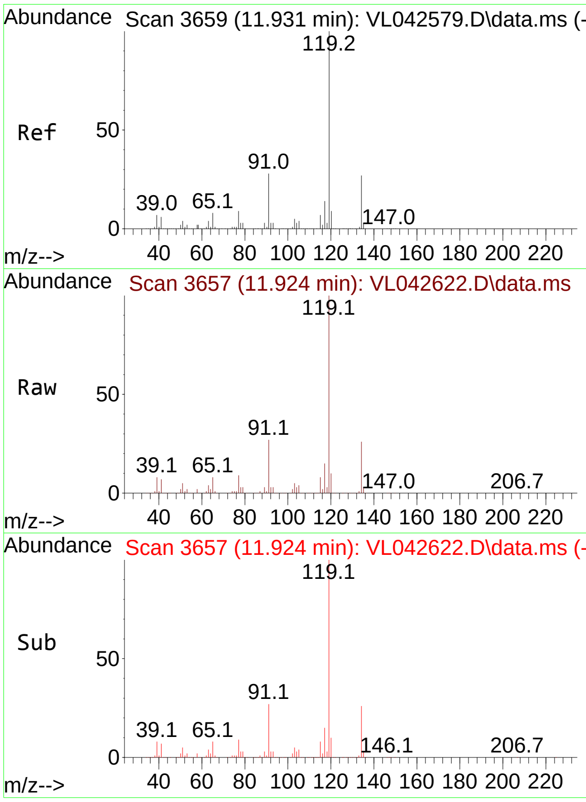


#68
1-Bromo-4-Fluorobenzene
Concen: 10.379 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 95 Resp: 204239

Ion	Ratio	Lower	Upper
95	100		
174	63.5	53.1	79.7
175	4.8	4.2	6.2





#69
p-Isopropyltoluene
Concen: 10.041 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

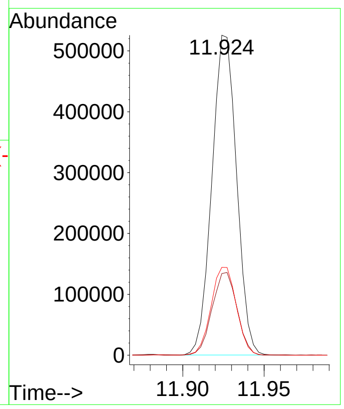
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

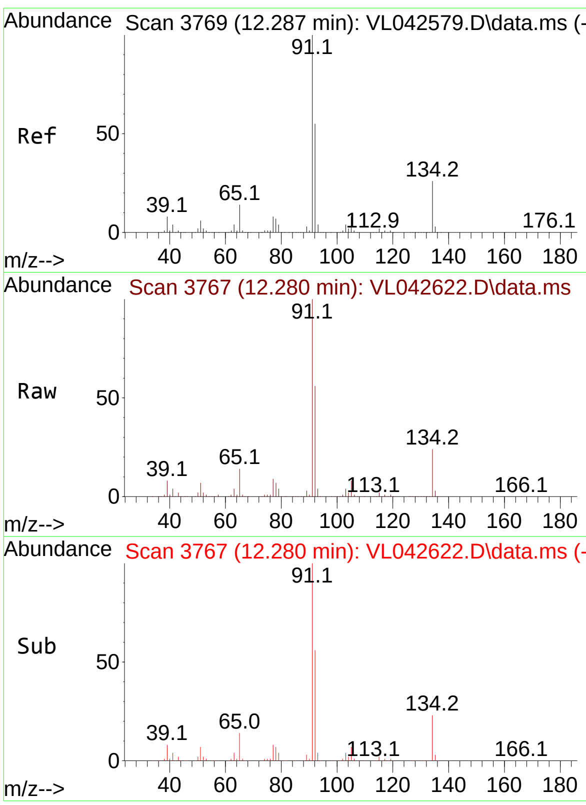
Tgt Ion:119 Resp: 55390

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	28.4	21.9	32.9

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

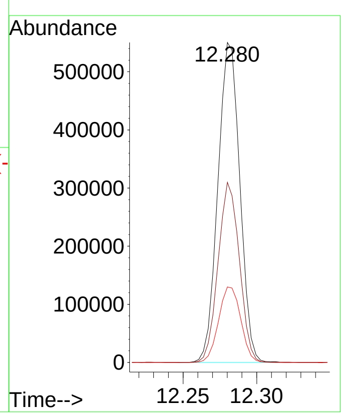


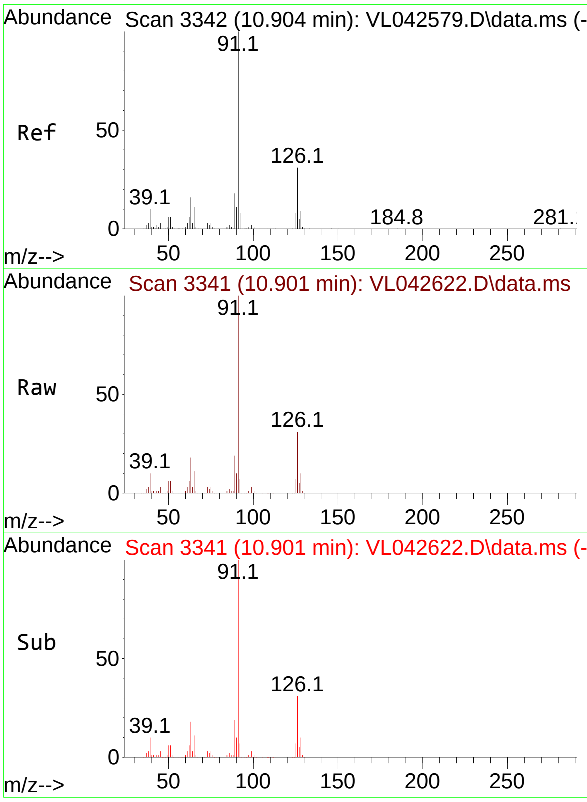


#70
n-Butylbenzene
Concen: 10.478 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 570539

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	23.9	20.1	30.1





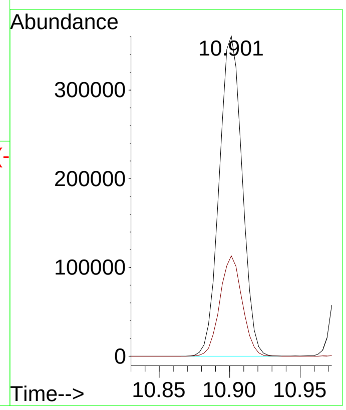
#71
2-Chlorotoluene
Concen: 10.423 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

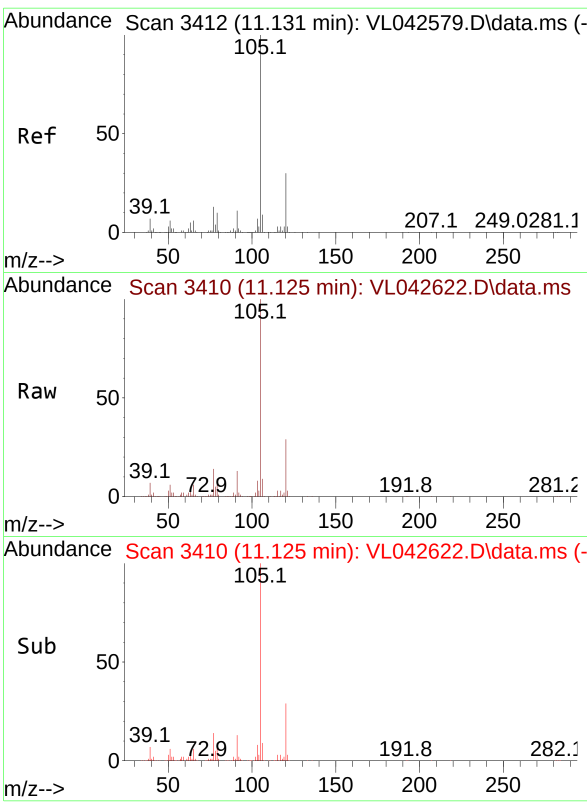
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 41050

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.6	50.4

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

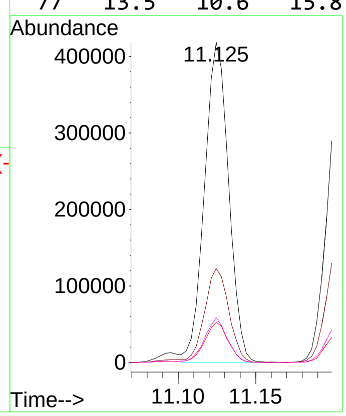


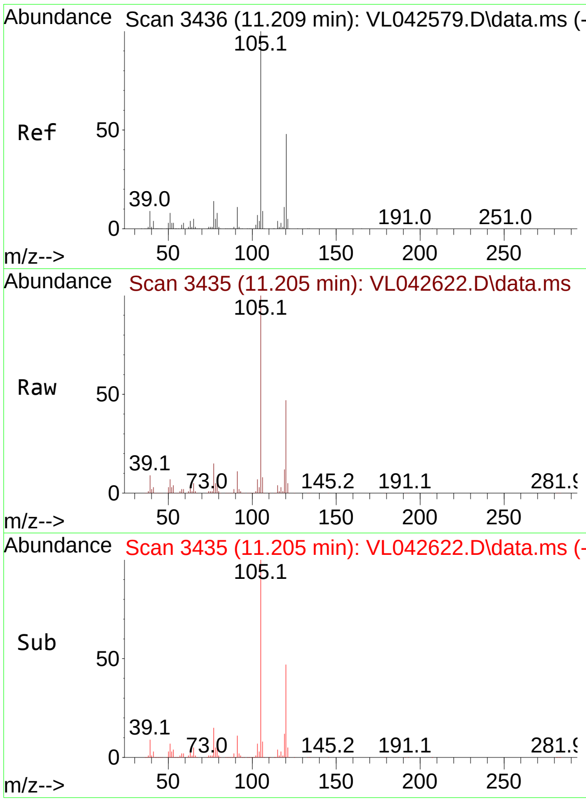


#72
4-Ethyltoluene
Concen: 10.397 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:105 Resp: 453022

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.6	36.8
91	12.6	9.6	14.4
77	13.5	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 10.419 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

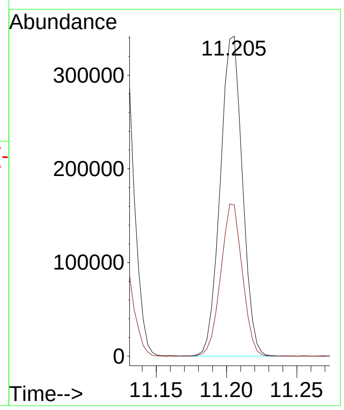
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

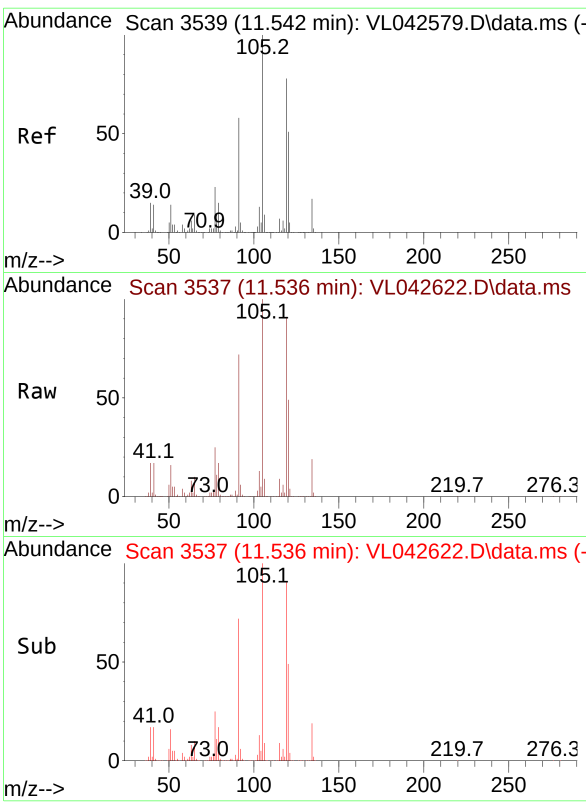
Tgt Ion:105 Resp: 37573

Ion	Ratio	Lower	Upper
105	100		
120	47.2	38.8	58.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

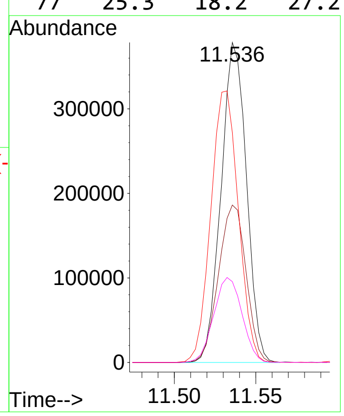


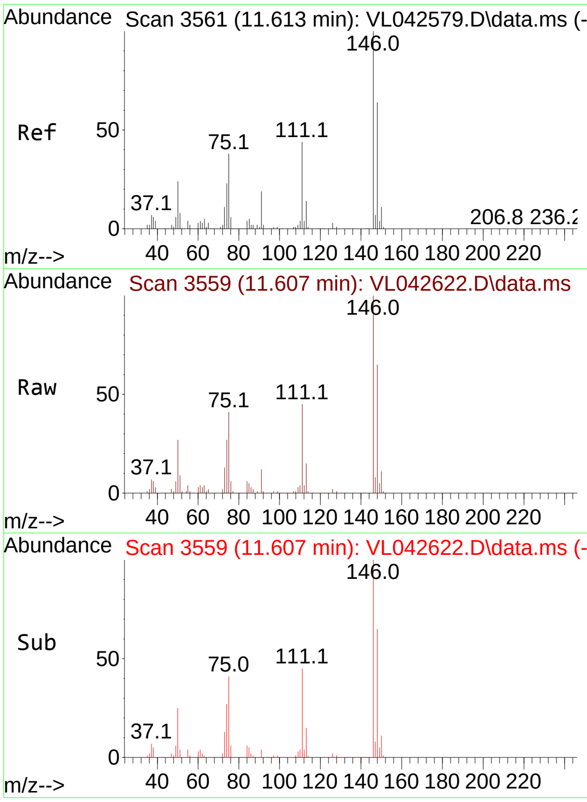


#74
1,2,4-Trimethylbenzene
Concen: 10.253 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:105 Resp: 410308

Ion	Ratio	Lower	Upper
105	100		
120	49.2	40.8	61.2
91	71.8	46.8	70.2#
77	25.3	18.2	27.2





#75
1,3-Dichlorobenzene
Concen: 10.182 ppbv
RT: 11.607 min Scan# 3!
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

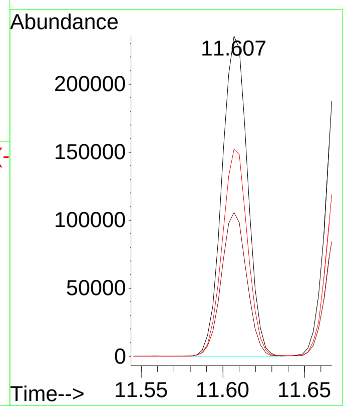
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

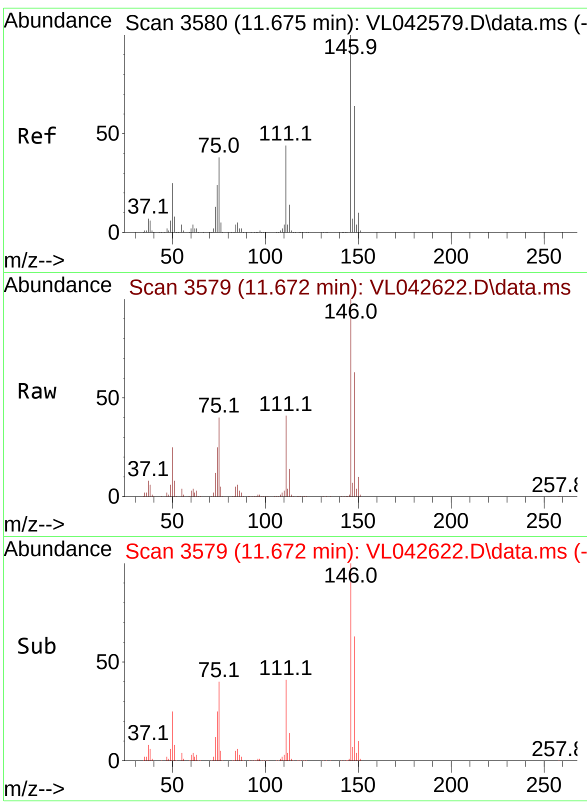
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion:146 Resp: 25587!

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.4	67.3
148	64.1	32.0	96.2

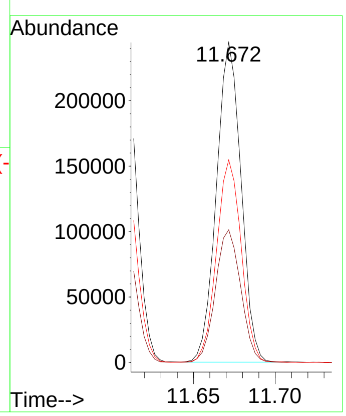


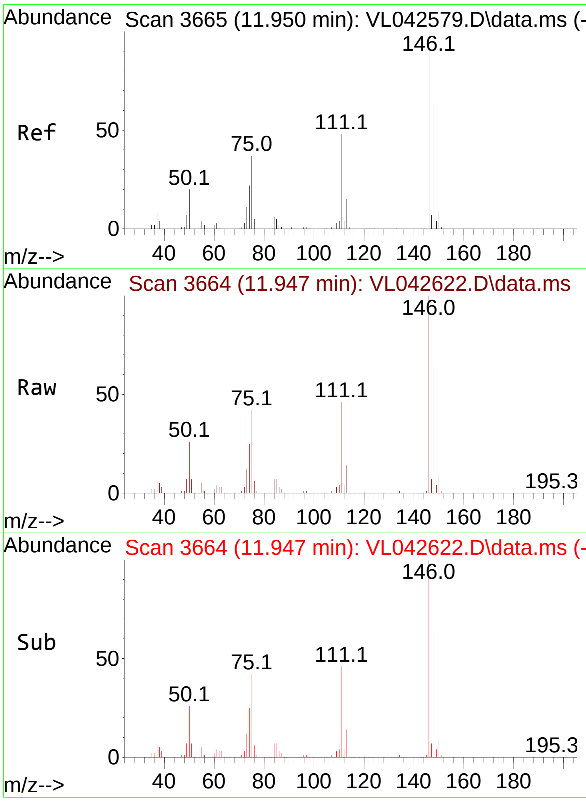


#76
1,4-Dichlorobenzene
Concen: 10.228 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:146 Resp: 256373

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	63.6	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 9.820 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

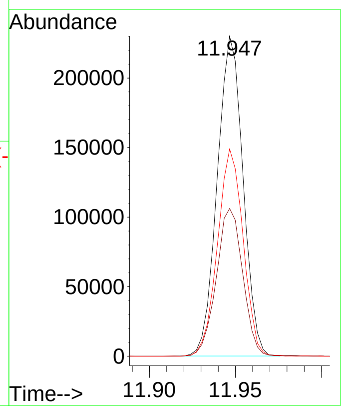
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

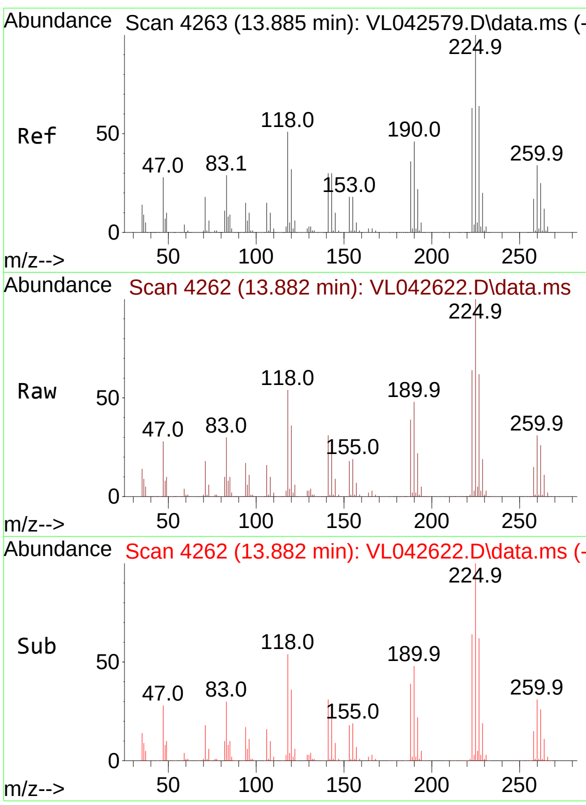
Tgt Ion:146 Resp: 23952

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.1	69.3
148	64.6	32.1	96.3

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

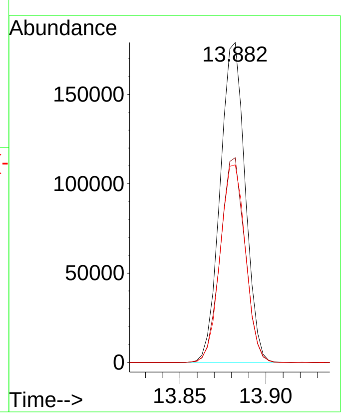


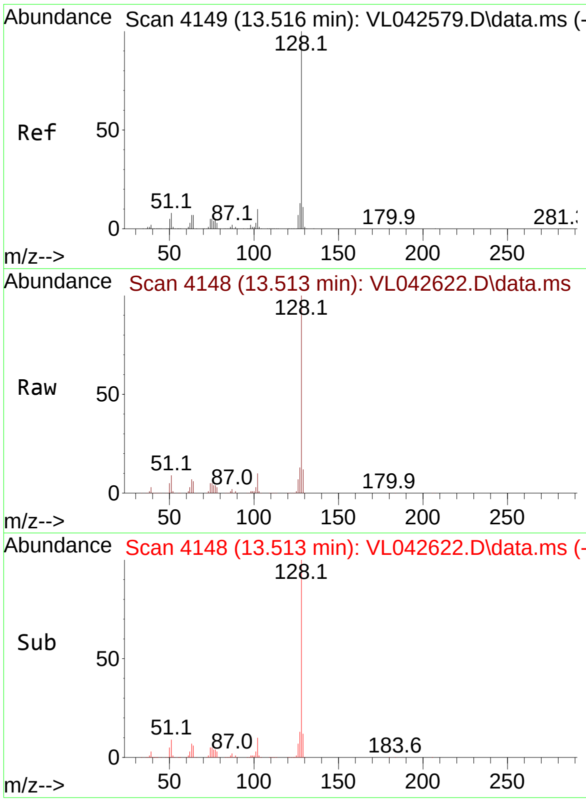


#78
Hexachloro-1,3-Butadiene
Concen: 8.979 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:225 Resp: 181205

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	62.7	51.1	76.7





#79
Naphthalene
Concen: 10.728 ppbv
RT: 13.513 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

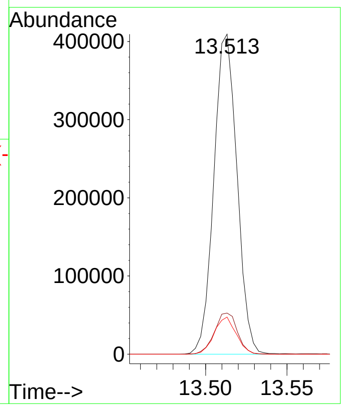
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

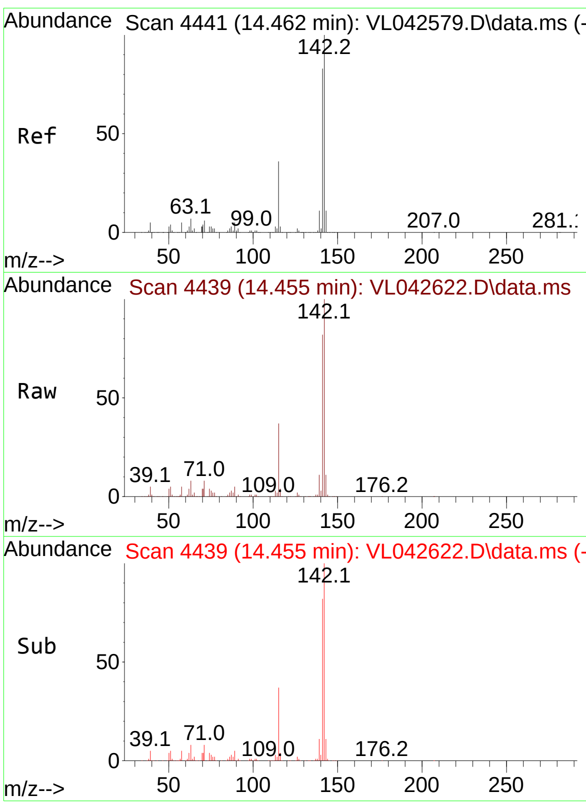
Tgt Ion:128 Resp: 404699

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.6	8.8	13.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

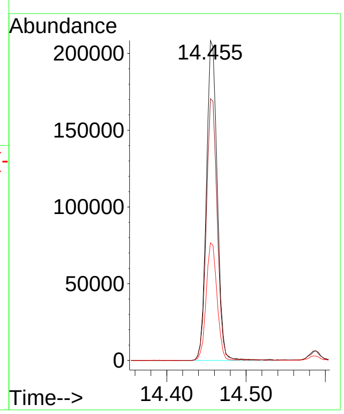


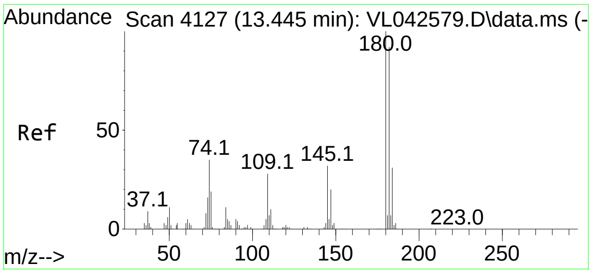


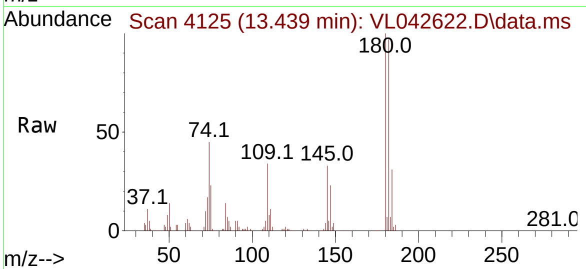
#80
Naphthalene,2-methyl-
Concen: 11.702 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

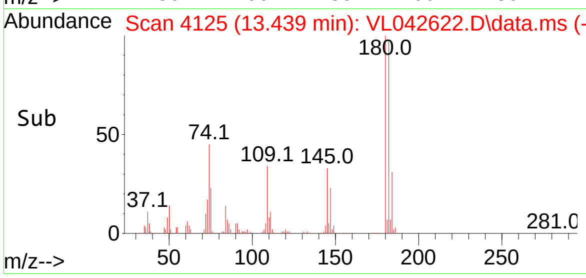
Tgt Ion:142 Resp: 199431

Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.2	99.4
115	37.1	28.3	42.5





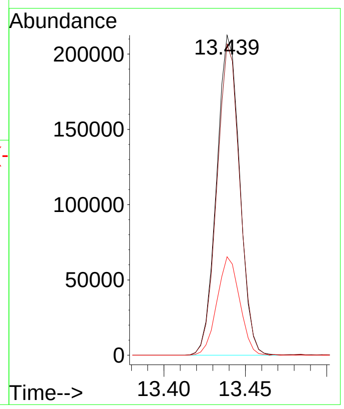




#81
1,2,4-Trichlorobenzene
Concen: 9.932 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:180 Resp: 209155

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.0	112.4
184	30.2	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Jun 17 03:02:28 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	105	0.00
2	T	Dichlorodifluoromethane	1.229	1.252	-1.9	116	0.00
3		Chlorodifluoromethane	1.693	1.629	3.8	116	0.00
4		Chloromethane	0.487	0.473	2.9	108	0.00
5	T	Vinyl Chloride	0.496	0.445	10.3	107	0.00
6	T	Bromomethane	0.241	0.218	9.5	106	0.00
7		Chloroethane	0.193	0.181	6.2	109	0.00
8	T	Dichlorotetrafluoroethane	1.024	1.030	-0.6	114	0.00
9	T	Propene	0.682	0.633	7.2	102	0.00
10	T	Heptane	1.921	1.806	6.0	107	0.00
11	T	Trichlorofluoromethane	1.144	1.287	-12.5	126	0.00
12	T	1,1,2-Trichlorotrifluoroeth	0.898	0.998	-11.1	125	0.00
13		Ethanol	0.081	0.050	38.3#	91	0.00
14	T	Bromoethene	0.338	0.359	-6.2	119	0.00
15	T	Acetone	1.205	1.082	10.2	122	0.00
16	T	1,3-Butadiene	0.571	0.531	7.0	113	0.00
17		tert-Butyl alcohol	1.255	1.291	-2.9	109	0.00
18	T	1,1-Dichloroethene	0.416	0.440	-5.8	122	0.00
19	T	Isopropyl Alcohol	0.720	0.682	5.3	109	0.00
20	T	Methylene Chloride	0.398	0.371	6.8	119	0.00
21	T	Allyl Chloride	0.850	0.847	0.4	112	0.00
22	T	trans-1,2-Dichloroethene	0.465	0.491	-5.6	120	0.00
23	T	Vinyl Acetate	1.628	1.997	-22.7	144	0.00
24	T	1,1-Dichloroethane	0.957	1.001	-4.6	116	0.00
25	T	Ethyl Acetate	3.296	3.221	2.3	111	0.00
26	T	Hexane	1.498	1.399	6.6	109	0.00
27	T	Carbon Disulfide	1.150	1.256	-9.2	123	0.00
28	T	Methyl tert-Butyl Ether	0.608	0.627	-3.1	119	0.00
29	T	Chloroform	1.948	1.998	-2.6	119	0.00
30	T	Cyclohexane	1.242	1.136	8.5	104	0.00
31	T	cis-1,2-Dichloroethene	1.370	1.358	0.9	112	0.00
32	T	1,1,1-Trichloroethane	1.990	1.954	1.8	114	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
34	T	2-Butanone	0.713	0.792	-11.1	113	0.00
35	T	Carbon Tetrachloride	0.660	0.734	-11.2	114	0.00
36	T	Benzene	0.985	1.044	-6.0	109	0.00
37	T	1,2-Dichloroethane	0.489	0.570	-16.6	119	0.00
38	T	Trichloroethene	0.419	0.421	-0.5	105	0.00
39	T	1,2-Dichloropropane	0.364	0.378	-3.8	108	0.00
40	T	1,4-Dioxane	0.163	0.167	-2.5	103	-0.01
41	T	Tetrahydrofuran	0.417	0.435	-4.3	105	0.00
42	T	Bromodichloromethane	0.695	0.820	-18.0	117	0.00
43		Methyl Methacrylate	0.382	0.401	-5.0	103	0.00
44	T	2,2,4-Trimethylpentane	1.684	1.761	-4.6	109	0.00
45	T	t-1,3-Dichloropropene	0.437	0.463	-5.9	102	0.00
46	T	cis-1,3-Dichloropropene	0.548	0.584	-6.6	104	-0.01
47	T	1,1,2-Trichloroethane	0.377	0.405	-7.4	111	0.00
48	T	Dibromochloromethane	0.603	0.655	-8.6	108	-0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Jun 17 03:02:28 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	0.561	-7.7	104	0.00
50	T	4-Methyl-2-Pentanone	0.989	1.057	-6.9	104	-0.01
51	T	2-Hexanone	0.784	0.846	-7.9	102	-0.01
52	T	Tetrachloroethene	0.368	0.357	3.0	101	0.00
53	T	Toluene	1.138	1.168	-2.6	104	-0.01
54	T	1,2-Dibromoethane	0.558	0.601	-7.7	109	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
56		1,1,1,2-Tetrachloroethane	0.503	0.537	-6.8	106	0.00
57	T	Chlorobenzene	0.971	0.982	-1.1	104	0.00
58	T	Ethyl Benzene	1.696	1.773	-4.5	105	0.00
59	T	m/p-Xylene	1.335	1.428	-7.0	108	0.00
60	T	o-Xylene	1.331	1.405	-5.6	109	0.00
61	T	Styrene	0.629	0.638	-1.4	99	0.00
62		Isopropylbenzene	1.967	2.046	-4.0	106	0.00
63	T	1,1,2,2-Tetrachloroethane	0.847	0.895	-5.7	114	0.00
64		n-propylbenzene	0.527	0.538	-2.1	105	0.00
65		tert-Butylbenzene	1.785	1.789	-0.2	104	0.00
66	T	Benzyl Chloride	0.230	0.221	3.9	84	0.00
67		sec-Butylbenzene	2.509	2.553	-1.8	107	0.00
68	S	1-Bromo-4-Fluorobenzene	0.750	0.778	-3.7	96	0.00
69		p-Isopropyltoluene	2.101	2.110	-0.4	104	0.00
70		n-Butylbenzene	2.074	2.173	-4.8	108	0.00
71		2-Chlorotoluene	1.500	1.564	-4.3	107	0.00
72	T	4-Ethyltoluene	1.660	1.726	-4.0	107	0.00
73	T	1,3,5-Trimethylbenzene	1.374	1.431	-4.1	106	0.00
74	T	1,2,4-Trimethylbenzene	1.524	1.563	-2.6	108	0.00
75	T	1,3-Dichlorobenzene	0.957	0.975	-1.9	107	0.00
76	T	1,4-Dichlorobenzene	0.955	0.977	-2.3	106	0.00
77	T	1,2-Dichlorobenzene	0.929	0.912	1.8	105	0.00
78	T	Hexachloro-1,3-Butadiene	0.769	0.690	10.3	104	0.00
79	T	Naphthalene	1.437	1.542	-7.3	102	0.00
80	T	Naphthalene,2-methyl-	0.649	0.760	-17.1	97	0.00
81	T	1,2,4-Trichlorobenzene	0.802	0.797	0.6	100	0.00

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

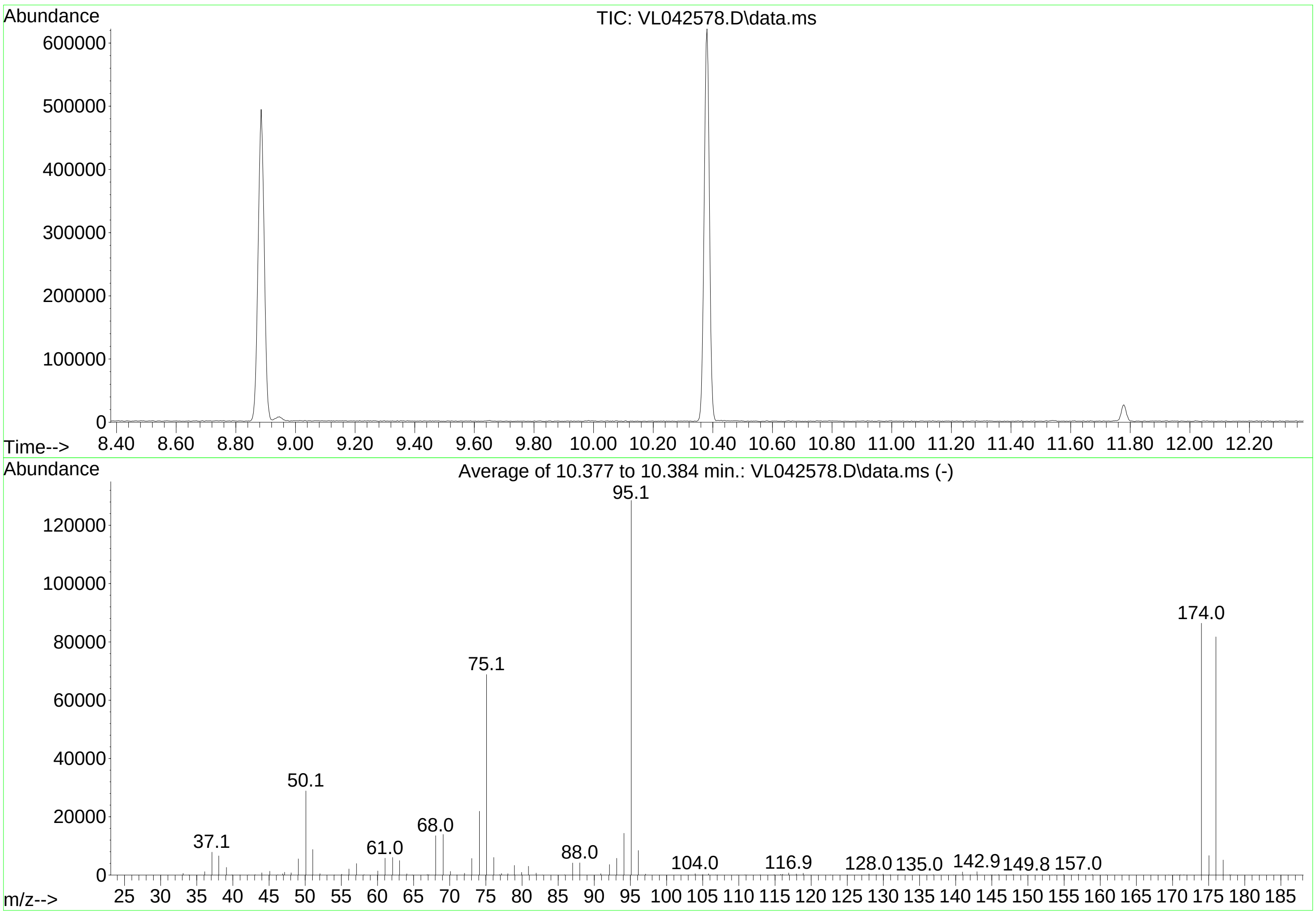
QC SAMPLE DATA

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

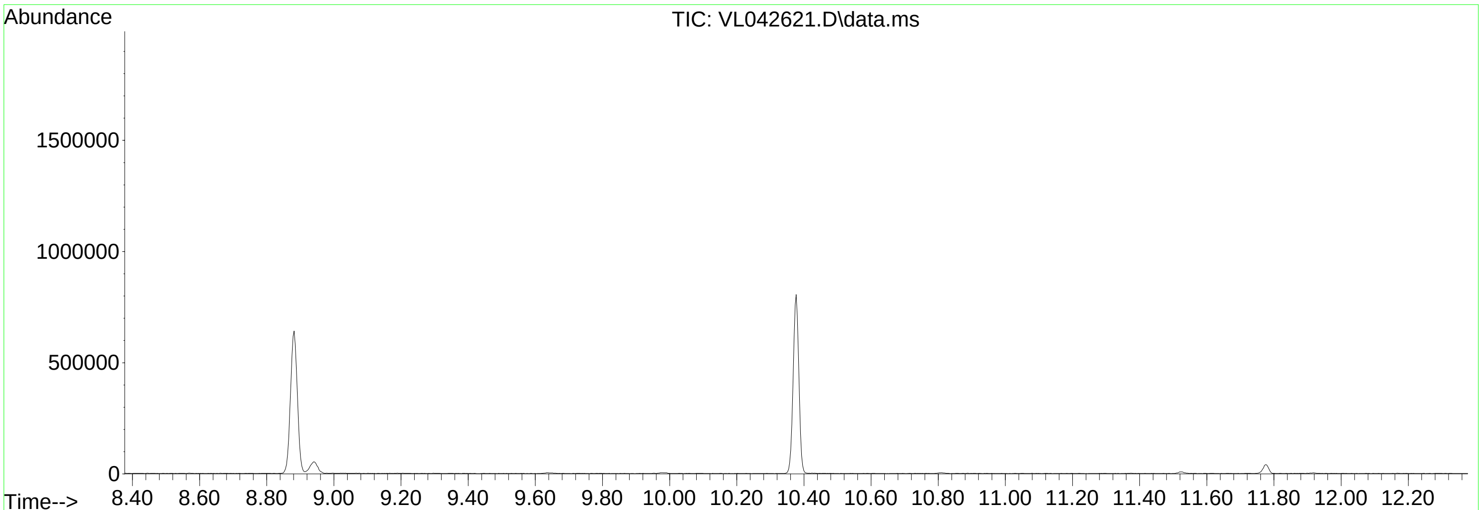
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.4	28861	PASS
75	95	30	66	53.5	68792	PASS
95	95	100	100	100.0	128557	PASS
96	95	5	9	6.6	8426	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	67.2	86397	PASS
175	174	4	9	7.7	6664	PASS
176	174	93	101	94.6	81744	PASS
177	176	5	9	6.3	5154	PASS

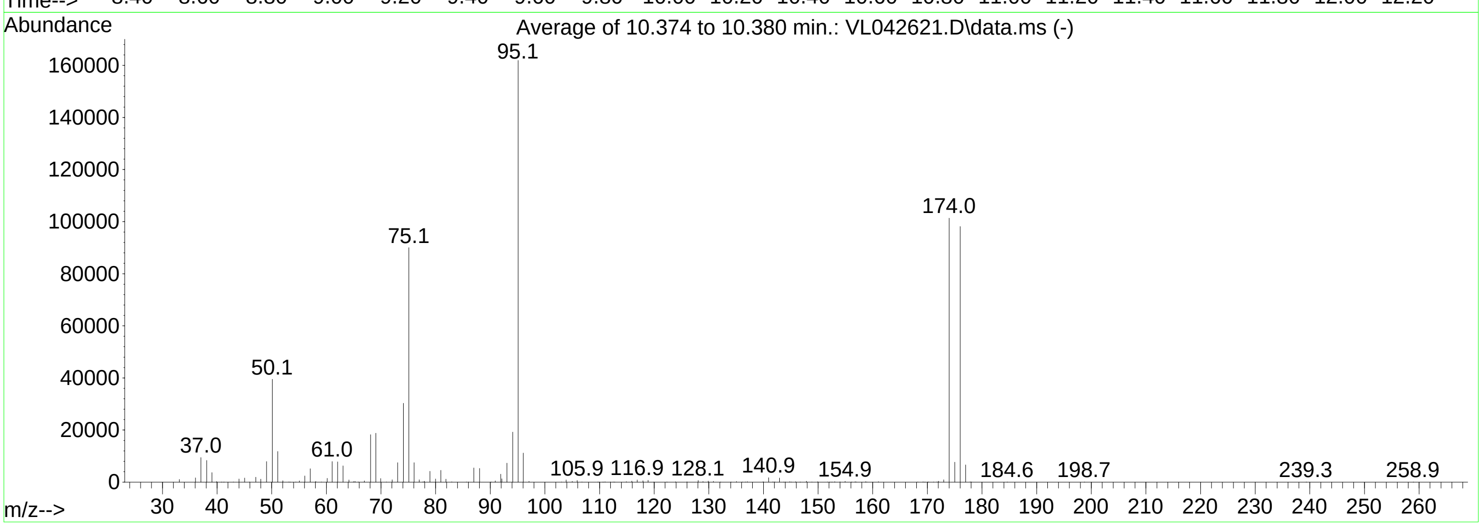
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042621.D
Acq On : 16 Jun 2025 08:07
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\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





AutoFind: Scans 3178, 3179, 3180; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	39483	PASS
75	95	30	66	55.6	90024	PASS
95	95	100	100	100.0	161920	PASS
96	95	5	9	6.9	11160	PASS
173	174	0.00	2	0.9	953	PASS
174	95	50	120	62.6	101357	PASS
175	174	4	9	7.6	7688	PASS
176	174	93	101	96.9	98187	PASS
177	176	5	9	6.7	6621	PASS

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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:	VL0616ABL01	SDG No.:	Q2317
Lab Sample ID:	VL0616ABL01	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
VL042623.D	1		06/16/25 09:43	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	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:	VL0616ABL01	SDG No.:	Q2317
Lab Sample ID:	VL0616ABL01	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
VL042623.D	1		06/16/25 09:43	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	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	108000		2.79			
540-36-3	1,4-Difluorobenzene	292000		3.962			
3114-55-4	Chlorobenzene-d5	253000		8.885			

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Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0616ABL01	SDG No.:	Q2317
Lab Sample ID:	VL0616ABL01	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
VL042623.D	1		06/16/25 09:43	VL061625

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\VL061625\
Data File : VL042623.D
Acq On : 16 Jun 2025 09:43
Operator : SY/MD
Sample : VL0616ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABL01

Quant Time: Jun 17 03:03:19 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	2.790	49	108213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	292209	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	252864	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	192542	10.158	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.600%			

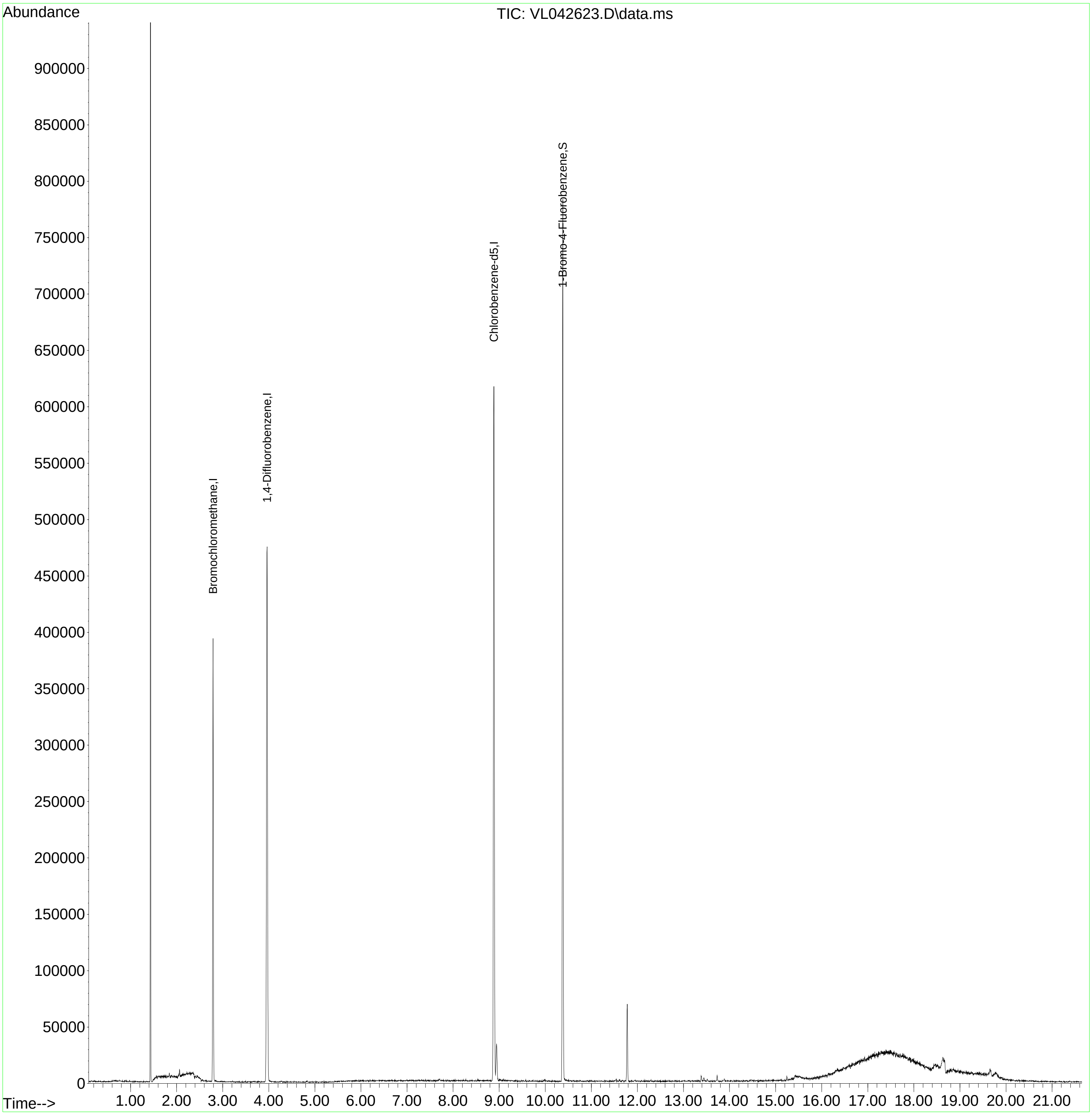
Target Compounds Qvalue

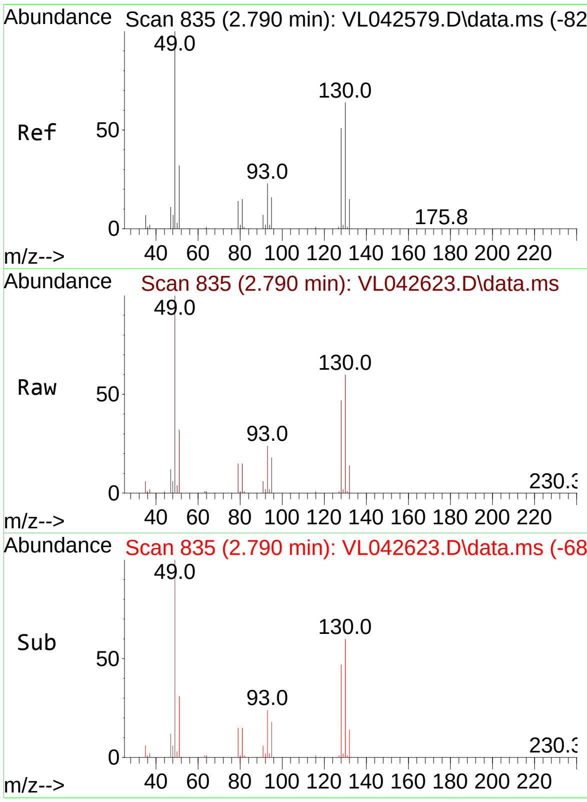
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042623.D
Acq On : 16 Jun 2025 09:43
Operator : SY/MD
Sample : VL0616ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABL01

Quant Time: Jun 17 03:03:19 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





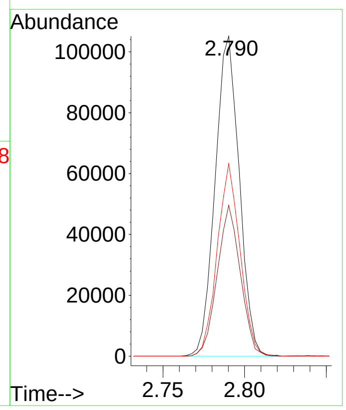
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8

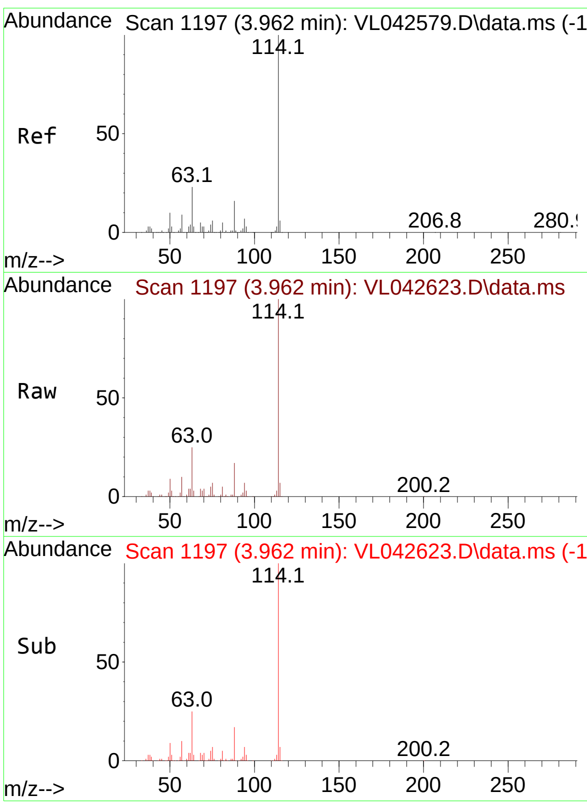
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABL01

Delta R.T. 0.000 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

Tgt Ion: 49 Resp: 108213

Ion	Ratio	Lower	Upper
49	100		
128	45.1	24.2	72.6
130	56.9	30.4	91.2

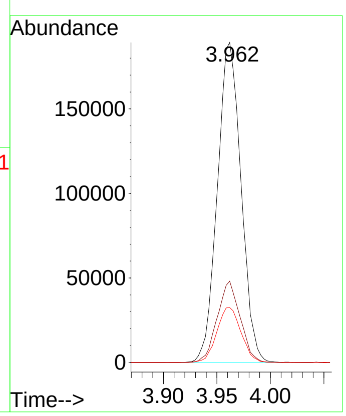


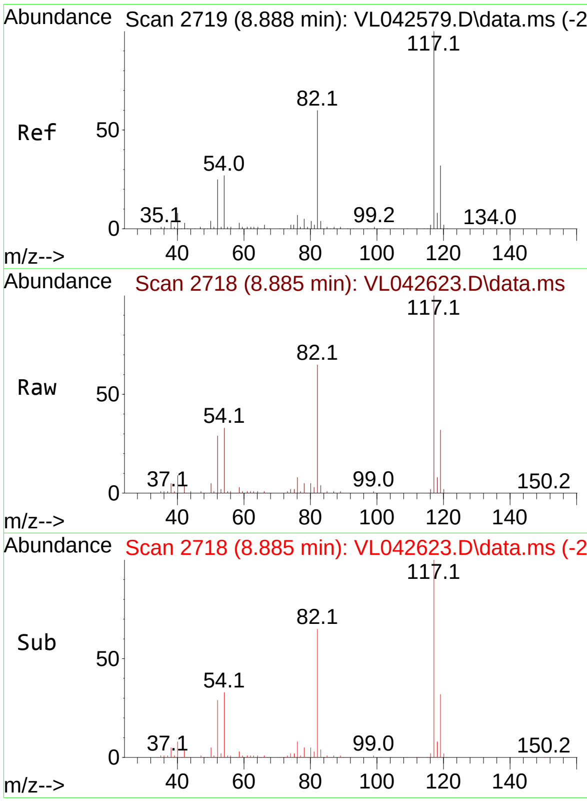


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.000 min
Lab File: VL042623.D
Acq: 16 Jun 2025 09:43

Tgt Ion:114 Resp: 292209

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.0	28.6
88	17.5	13.6	20.4



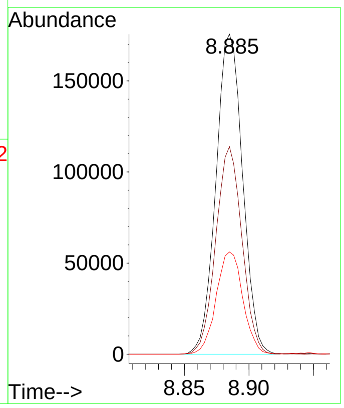


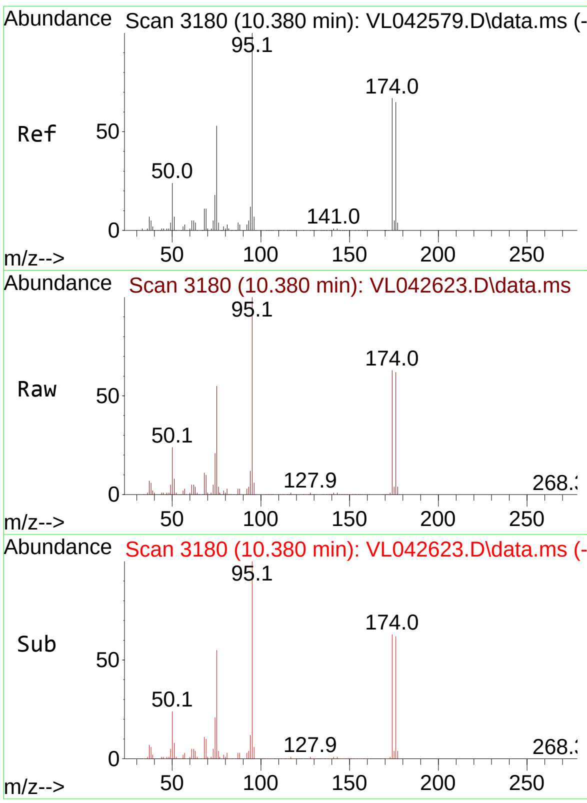
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min   Scan# 2718
Delta R.T.   -0.003 min
Lab File: VL042623.D
Acq: 16 Jun 2025   09:43

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABL01

Tgt Ion:117 Resp: 252864

Ion	Ratio	Lower	Upper
117	100		
82	63.5	51.2	76.8
119	31.9	26.3	39.5

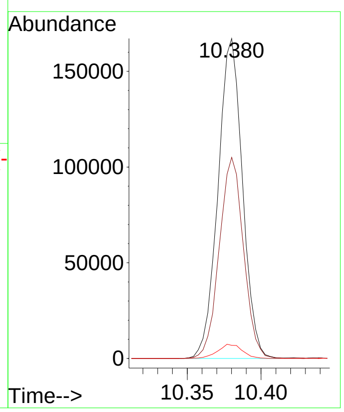




#68
1-Bromo-4-Fluorobenzene
Concen: 10.158 ppbv
RT: 10.380 min   Scan# 3180
Delta R.T.   0.000 min
Lab File: VL042623.D
Acq: 16 Jun 2025   09:43

Tgt Ion: 95 Resp: 192542

Ion	Ratio	Lower	Upper
95	100		
174	62.6	53.1	79.7
175	4.5	4.2	6.2



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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:	VL0616ABS01	SDG No.:	Q2317
Lab Sample ID:	VL0616ABS01	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
VL042624.D	1		06/16/25 10:29	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.4	51.4		1.04	2.47	ug/m3
74-87-3	Chloromethane	9.80	20.2		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9.10	23.3		0.030	0.080	ug/m3
74-83-9	Bromomethane	9.30	36.1		0.54	1.94	ug/m3
75-00-3	Chloroethane	9.70	25.6		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.7	31.6		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	11.4	64.1		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	11.4	87.4		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.2	71.3		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	10.2	30.9		0.58	1.52	ug/m3
142-82-5	Heptane	9.60	39.3		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	10.3	40.8		0.56	1.98	ug/m3
67-64-1	Acetone	8.90	21.1		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	10.8	33.6		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	10.2	36.8		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	9.30	32.3		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	10.6	42.0		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.6	42.9		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.20	31.7		0.76	1.72	ug/m3
78-93-3	2-Butanone	11.1	32.7		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	11.1	69.8		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	10.0	39.6		0.36	1.98	ug/m3
67-66-3	Chloroform	10.1	49.3		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.70	52.9		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.7	50.0		0.47	2.34	ug/m3
71-43-2	Benzene	10.8	34.5		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	11.7	47.4		0.36	2.02	ug/m3
79-01-6	Trichloroethene	10.2	54.8		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	10.6	49.0		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	11.7	78.4		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.9	44.7		0.37	2.05	ug/m3
108-88-3	Toluene	10.3	38.8		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.5	47.7		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.6	48.1		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.8	58.9		0.38	2.73	ug/m3

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:	VL0616ABS01	SDG No.:	Q2317
Lab Sample ID:	VL0616ABS01	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
VL042624.D	1		06/16/25 10:29	VL061625

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.8	92.0		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	10.6	81.5		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	9.70	65.8		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	10.5	48.4		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	10.6	46.0		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	21.6	93.8		0.91	4.34	ug/m3
95-47-6	o-Xylene	10.7	46.5		0.52	2.17	ug/m3
100-42-5	Styrene	10.4	44.3		0.47	2.13	ug/m3
75-25-2	Bromoform	10.8	112		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	10.7	73.5		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.5	54.4		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.6	52.1		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.4	51.1		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	10.4	62.5		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	10.5	63.1		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.4	62.5		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.1	75.0		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	9.10	97.1		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	9.30	20.6		0.29	1.11	ug/m3
91-20-3	Naphthalene	10.8	56.6		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	10.5	51.6		0.59	2.46	ug/m3
110-54-3	Hexane	9.30	32.8		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	9.90	31.0		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	10.3	37.1		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	10.5	43.0		0.37	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	107000		2.787			
540-36-3	1,4-Difluorobenzene	287000		3.955			
3114-55-4	Chlorobenzene-d5	259000		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:	VL0616ABS01	SDG No.:	Q2317
Lab Sample ID:	VL0616ABS01	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
VL042624.D	1		06/16/25 10:29	VL061625

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\VL061625\
Data File : VL042624.D
Acq On : 16 Jun 2025 10:29
Operator : SY/MD
Sample : VL0616ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.787	49	107046	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	286719	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.882	117	259461	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.377	95	199109	10.237 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.400%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	136670	10.388 ppbv	96
3) Chlorodifluoromethane	1.476	51	174546	9.633 ppbv	98
4) Chloromethane	1.534	50	51156	9.819 ppbv	98
5) Vinyl Chloride	1.580	62	48533	9.145 ppbv	100
6) Bromomethane	1.667	94	24091	9.326 ppbv	94
7) Chloroethane	1.703	64	19971	9.685 ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	112219	10.237 ppbv	100
9) Propene	1.483	41	69909	9.581 ppbv	99
10) Heptane	4.978	43	197588	9.606 ppbv	100
11) Trichlorofluoromethane	1.877	101	140074	11.443 ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	109502	11.392 ppbv	98
13) Ethanol	1.722	45	5871	6.751 ppbv	96
14) Bromoethene	1.780	108	38439	10.631 ppbv	96
15) Acetone	1.835	43	114754	8.900 ppbv	97
16) 1,3-Butadiene	1.609	39	56873	9.311 ppbv	96
17) tert-Butyl alcohol	2.039	59	137548	10.240 ppbv	99
18) 1,1-Dichloroethene	2.033	96	45907	10.304 ppbv	97
19) Isopropyl Alcohol	1.884	45	75945	9.852 ppbv	100
20) Methylene Chloride	2.062	84	39509	9.285 ppbv	98
21) Allyl Chloride	2.094	41	90040	9.897 ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	52622	10.574 ppbv	100
23) Vinyl Acetate	2.463	43	212830	12.211 ppbv	98
24) 1,1-Dichloroethane	2.408	63	108253	10.572 ppbv	99
25) Ethyl Acetate	2.832	43	348882	9.887 ppbv	99
26) Hexane	2.826	57	149725	9.338 ppbv	96
27) Carbon Disulfide	2.149	76	132478	10.763 ppbv #	92
28) Methyl tert-Butyl Ether	2.437	73	66546	10.228 ppbv	98
29) Chloroform	2.848	83	210668	10.104 ppbv	99
30) Cyclohexane	3.855	84	122467	9.213 ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	147213	10.037 ppbv	96
32) 1,1,1-Trichloroethane	3.366	97	207491	9.740 ppbv	98
34) 2-Butanone	2.554	43	226773	11.091 ppbv	99
35) Carbon Tetrachloride	3.764	117	210222	11.107 ppbv	99
36) Benzene	3.658	78	304362	10.780 ppbv	99
37) 1,2-Dichloroethane	3.217	62	163904	11.680 ppbv	99
38) Trichloroethene	4.548	130	122527	10.210 ppbv	88
39) 1,2-Dichloropropane	4.315	63	110459	10.579 ppbv	97
40) 1,4-Dioxane	4.577	88	48307	10.339 ppbv #	90
41) Tetrahydrofuran	3.052	42	128060	10.699 ppbv	99
42) Bromodichloromethane	4.489	83	232526	11.667 ppbv	96
43) Methyl Methacrylate	4.878	69	114782	10.474 ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	514353	10.650 ppbv	99
45) t-1,3-Dichloropropene	6.412	75	132193	10.542 ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042624.D
Acq On : 16 Jun 2025 10:29
Operator : SY/MD
Sample : VL0616ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 17 03:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	166004	10.565	ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	116650	10.792	ppbv	94
48) Dibromochloromethane	7.389	129	187227	10.821	ppbv	100
49) Bromoform	9.487	173	161902	10.844	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	309608	10.917	ppbv	99
51) 2-Hexanone	7.435	43	247186	10.989	ppbv #	96
52) Tetrachloroethene	8.225	164	102638	9.728	ppbv	97
53) Toluene	6.936	91	337046	10.328	ppbv	99
54) 1,2-Dibromoethane	7.655	107	170053	10.630	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	140643	10.780	ppbv	98
57) Chlorobenzene	8.920	112	264897	10.515	ppbv	99
58) Ethyl Benzene	9.357	91	467998	10.634	ppbv	96
59) m/p-Xylene	9.552	91	746933m	21.566	ppbv	
60) o-Xylene	9.966	91	369758	10.704	ppbv	98
61) Styrene	9.872	104	169386	10.371	ppbv	99
62) Isopropylbenzene	10.539	105	541625	10.613	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	235113	10.704	ppbv	98
64) n-propylbenzene	10.989	120	141765	10.363	ppbv	94
65) tert-Butylbenzene	11.532	119	469290	10.134	ppbv	96
66) Benzyl Chloride	11.617	91	54970	9.221	ppbv	98
67) sec-Butylbenzene	11.769	105	671931	10.320	ppbv	98
69) p-Isopropyltoluene	11.927	119	556052	10.198	ppbv	99
70) n-Butylbenzene	12.283	91	573365	10.653	ppbv	98
71) 2-Chlorotoluene	10.901	91	410090	10.535	ppbv	97
72) 4-Ethyltoluene	11.125	105	454234	10.547	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	377709	10.597	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	411337	10.399	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	257115	10.351	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	259390	10.470	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	250092	10.374	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	182353	9.142	ppbv	99
79) Naphthalene	13.513	128	404428	10.847	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	199834	11.863	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	210333	10.105	ppbv	98

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

Quantitation Report (QT Reviewed)

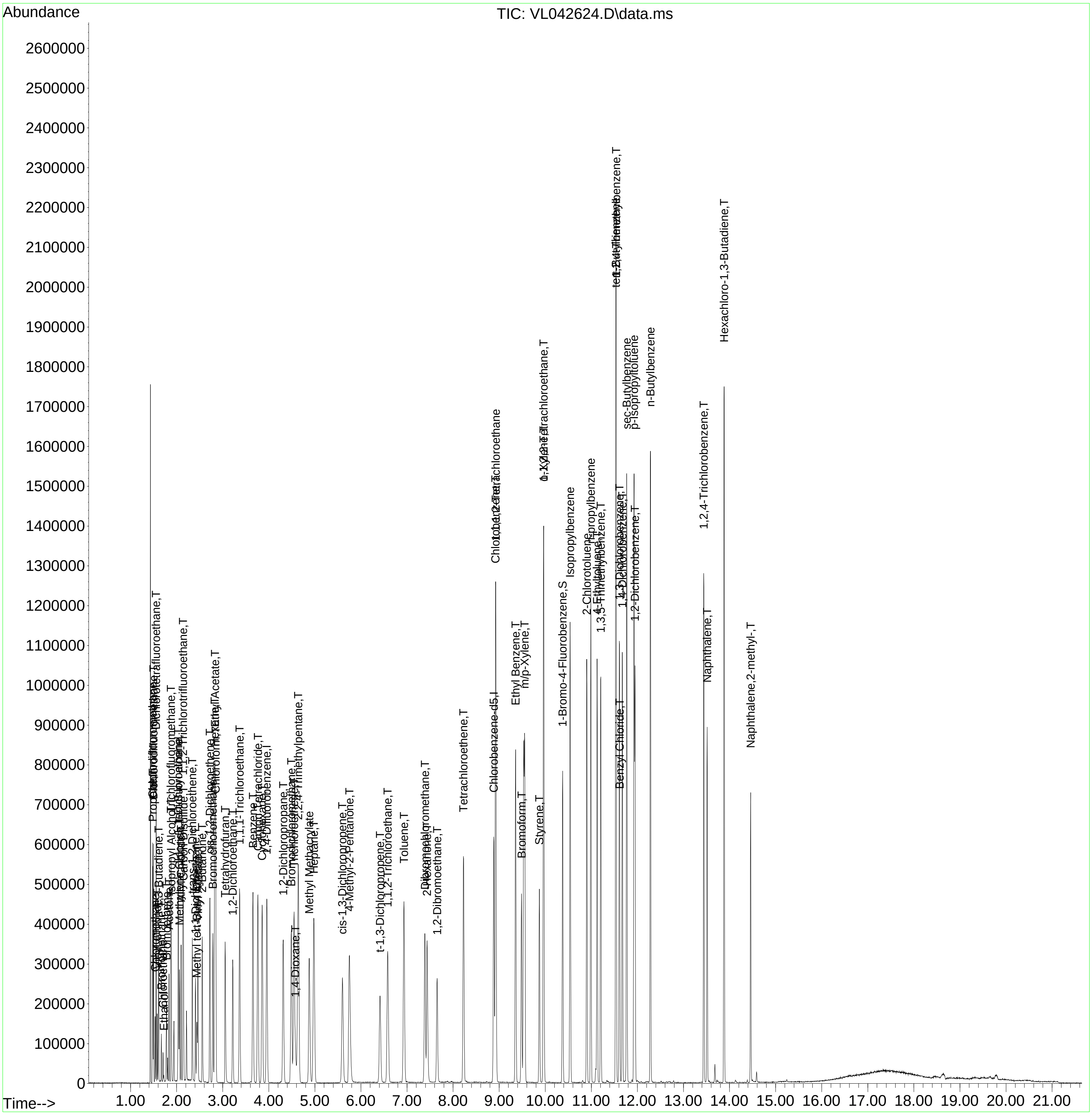
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042624.D
Acq On : 16 Jun 2025 10:29
Operator : SY/MD
Sample : VL0616ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

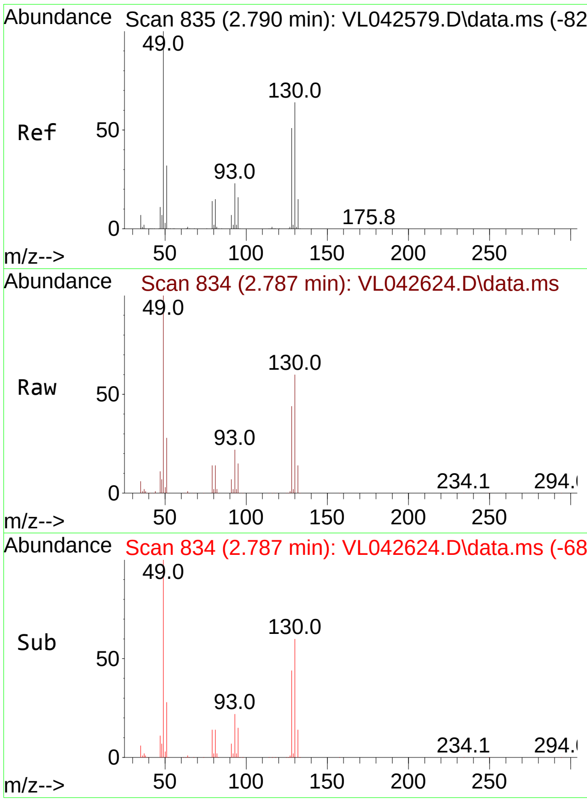
Quant Time: Jun 17 03:03:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

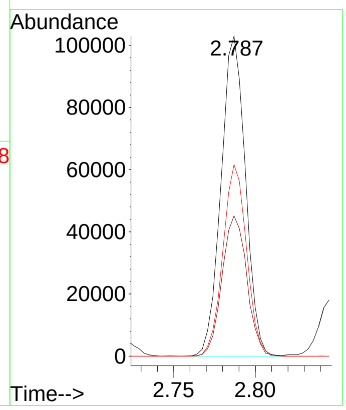




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 49 Resp: 10704

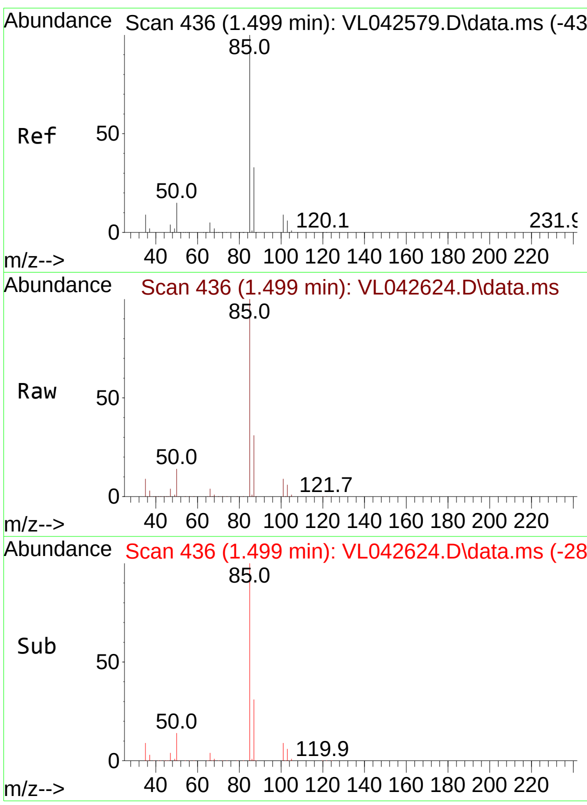
Ion	Ratio	Lower	Upper
49	100		
128	44.6	24.2	72.6
130	57.9	30.4	91.2



Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations APPROVED

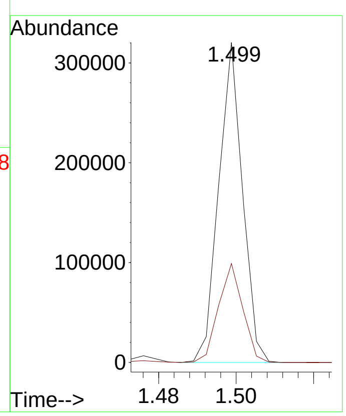
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

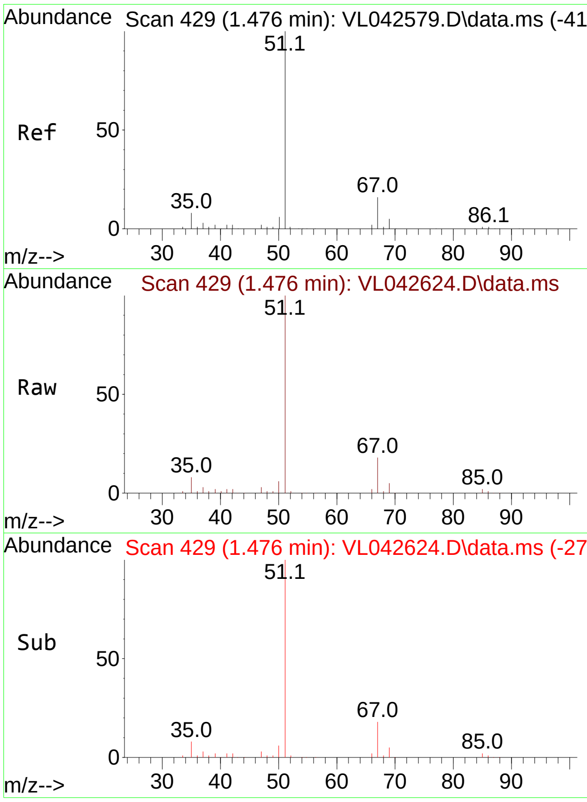


#2
Dichlorodifluoromethane
Concen: 10.388 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 85 Resp: 136670

Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.6	39.8





#3
Chlorodifluoromethane
Concen: 9.633 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

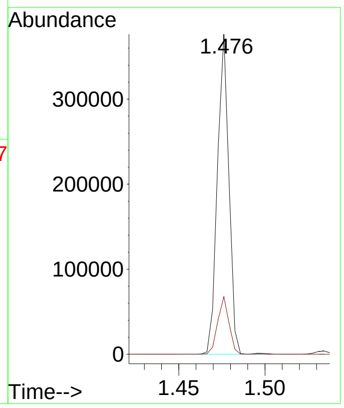
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

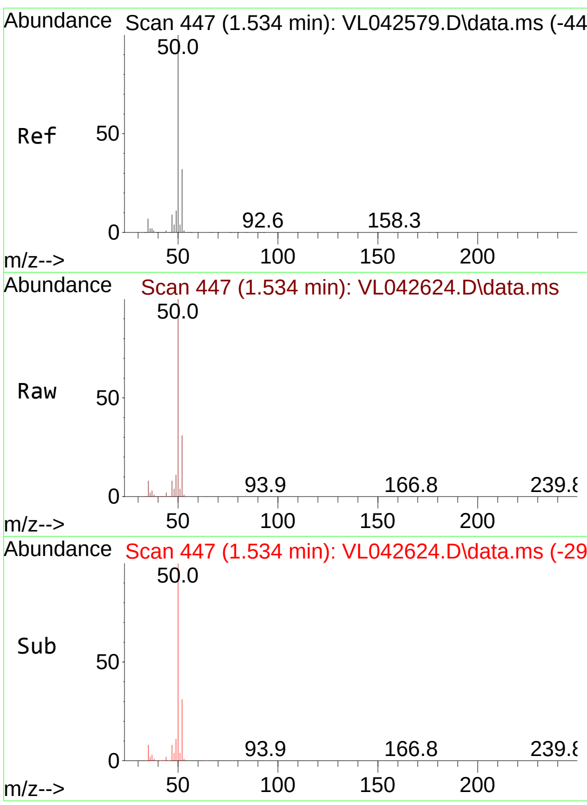
Tgt Ion: 51 Resp: 17454

Ion	Ratio	Lower	Upper
51	100		
67	17.6	13.4	20.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

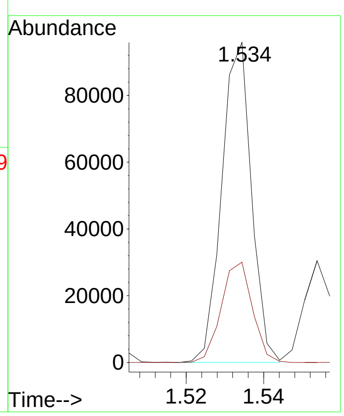


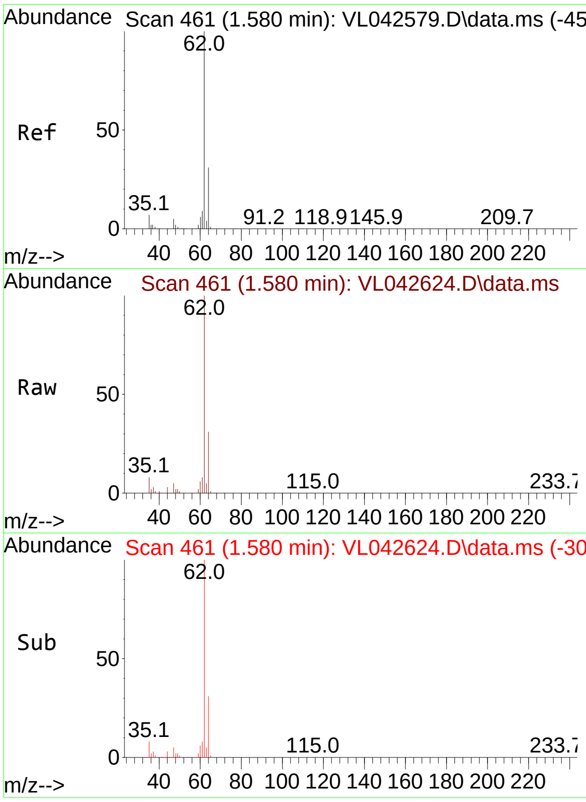


#4
Chloromethane
Concen: 9.819 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 50 Resp: 51156

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.8	38.6





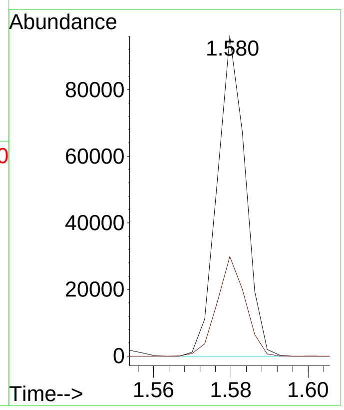
#5
Vinyl Chloride
Concen: 9.145 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

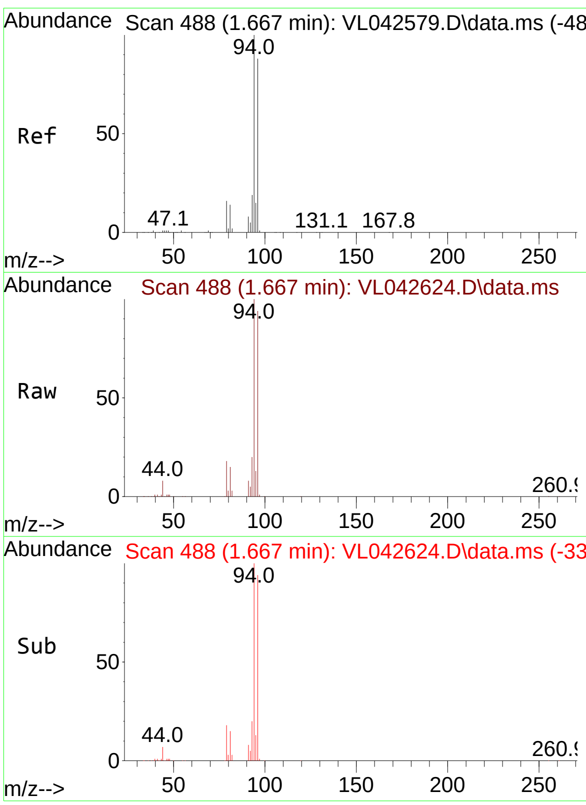
Tgt Ion: 62 Resp: 4853

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

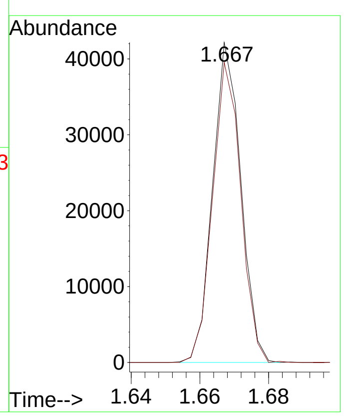


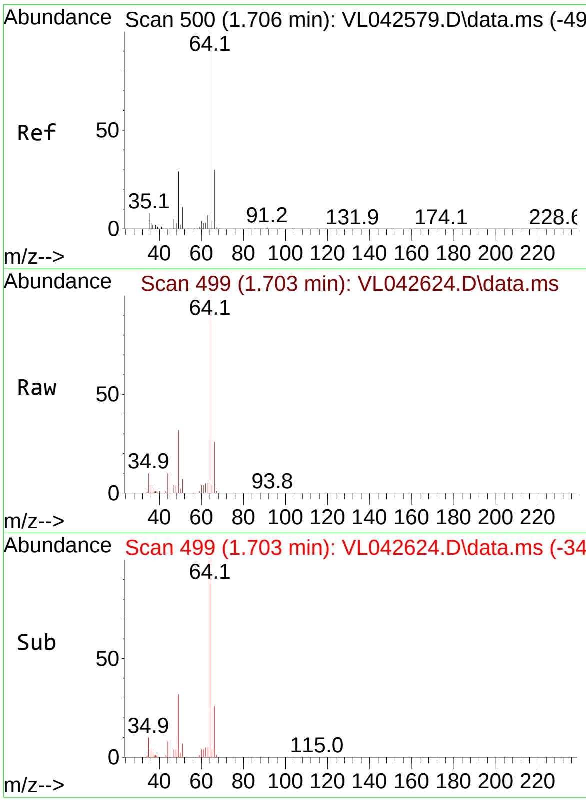


#6
Bromomethane
Concen: 9.326 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 94 Resp: 24091

Ion	Ratio	Lower	Upper
94	100		
96	93.8	70.7	106.1





#7
Chloroethane
Concen: 9.685 ppbv
RT: 1.703 min   Scan# 49
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

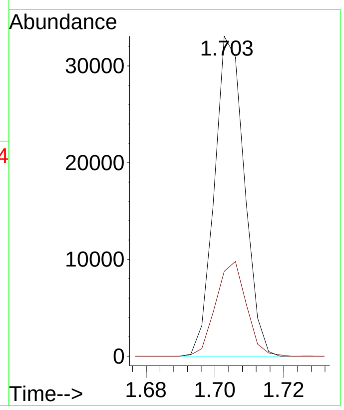
Tgt Ion: 64 Resp: 1997

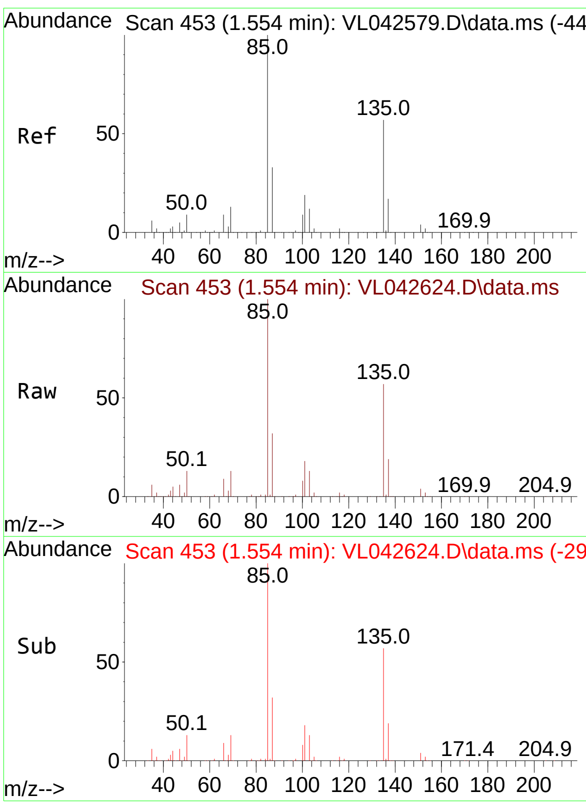
Ion	Ratio	Lower	Upper
64	100		
66	26.5	24.3	36.5

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

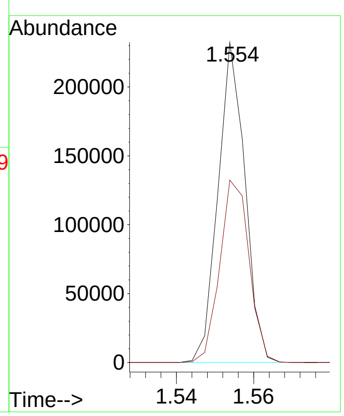


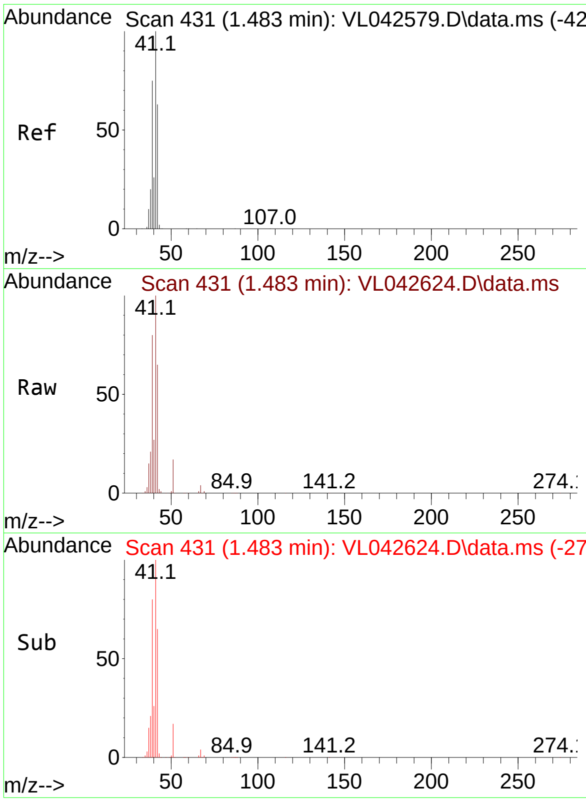


#8
Dichlorotetrafluoroethane
Concen: 10.237 ppbv
RT: 1.554 min   Scan# 453
Delta R.T.   -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 85 Resp: 112219

Ion	Ratio	Lower	Upper
85	100		
135	62.4	50.2	75.4





#9
Propene
Concen: 9.581 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 41 Resp: 6990

Ion	Ratio	Lower	Upper
41	100		
42	67.4	53.3	79.9

Manual Integrations
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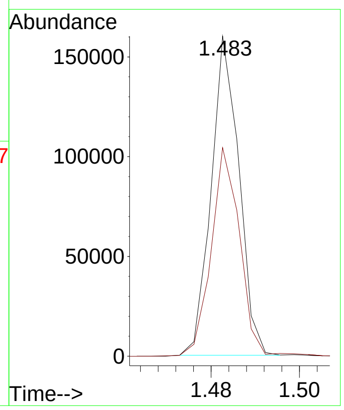
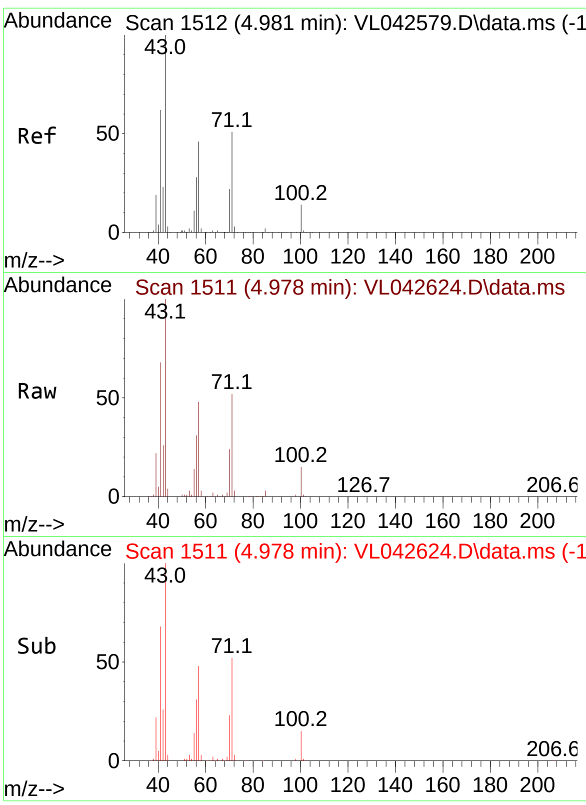
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

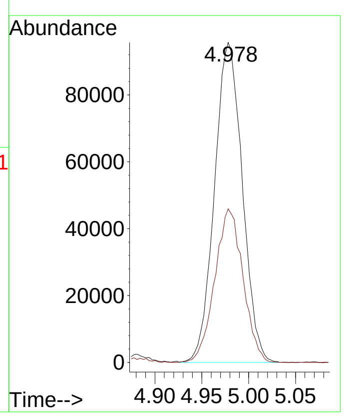


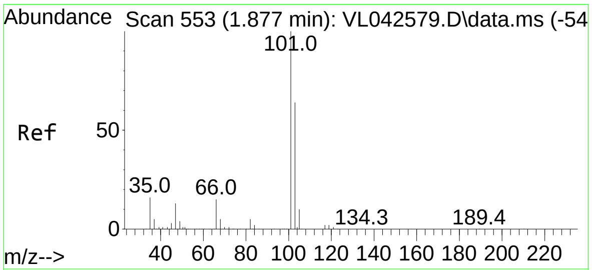


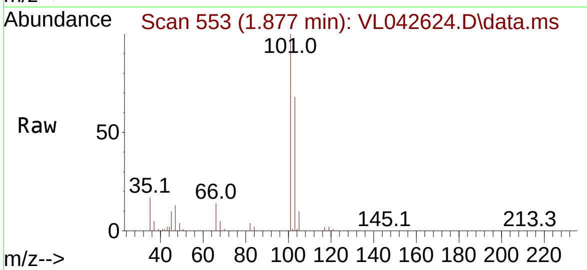
#10
Heptane
Concen: 9.606 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

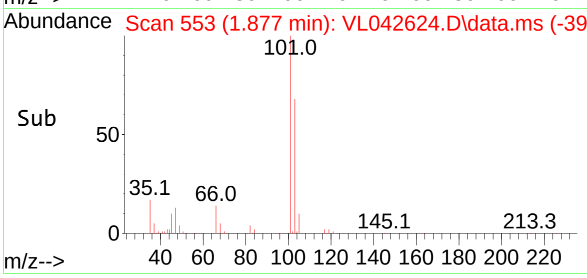
Tgt Ion: 43 Resp: 197588

Ion	Ratio	Lower	Upper
43	100		
57	48.6	38.9	58.3









#11
Trichlorofluoromethane
Concen: 11.443 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:101 Resp: 14007

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.5	77.3

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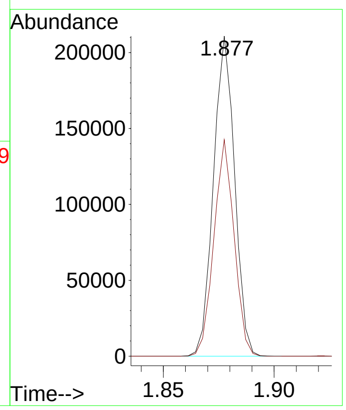
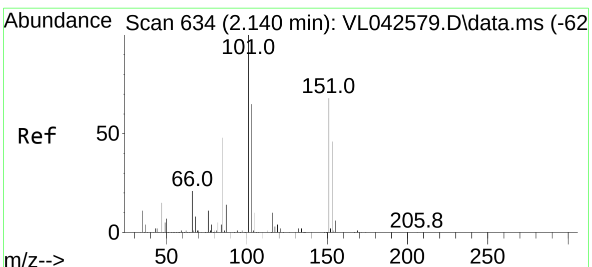
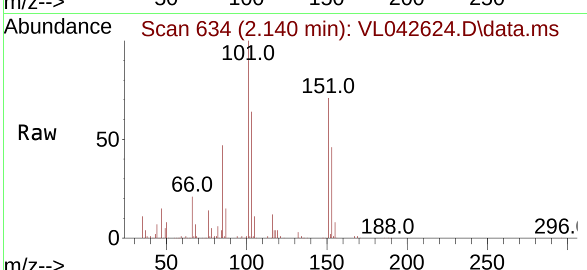
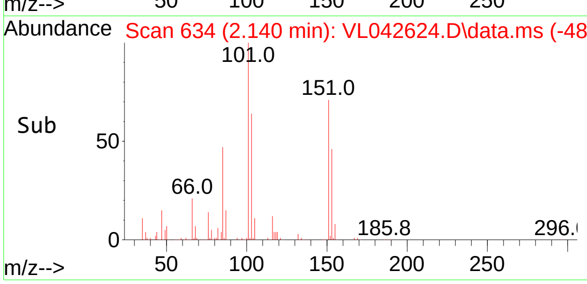
Supervised By :Mahesh Dadoda 06/17/2025





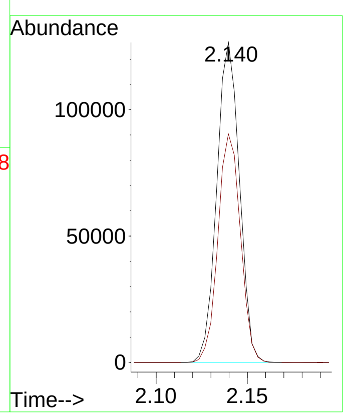


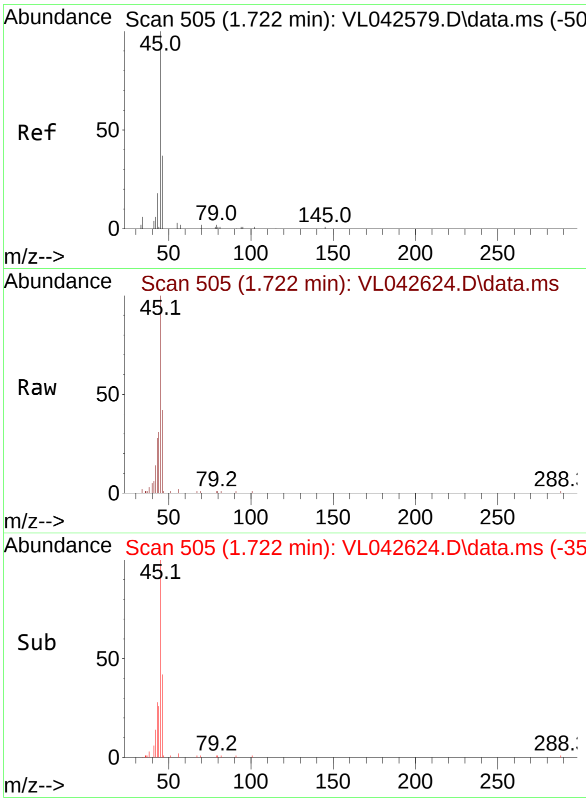


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.392 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:101 Resp: 109502

Ion	Ratio	Lower	Upper
101	100		
151	70.9	55.3	82.9





#13
Ethanol
Concen: 6.751 ppbv
RT: 1.722 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 45 Resp: 587

Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.5	58.1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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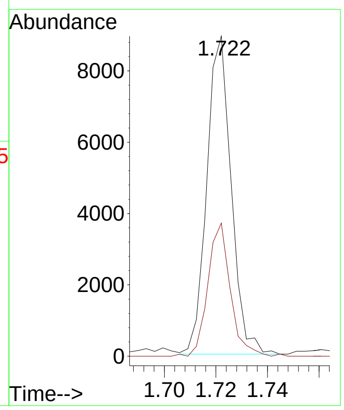
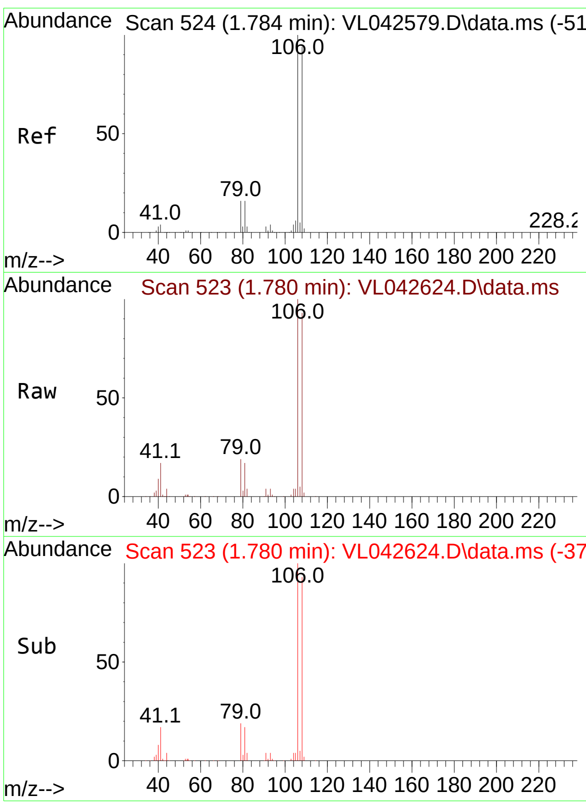
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

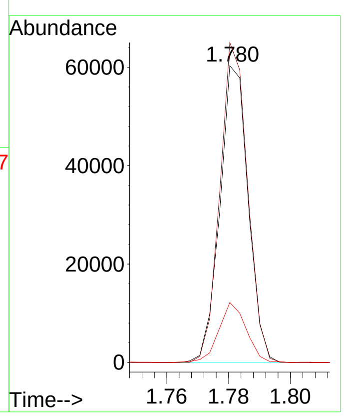


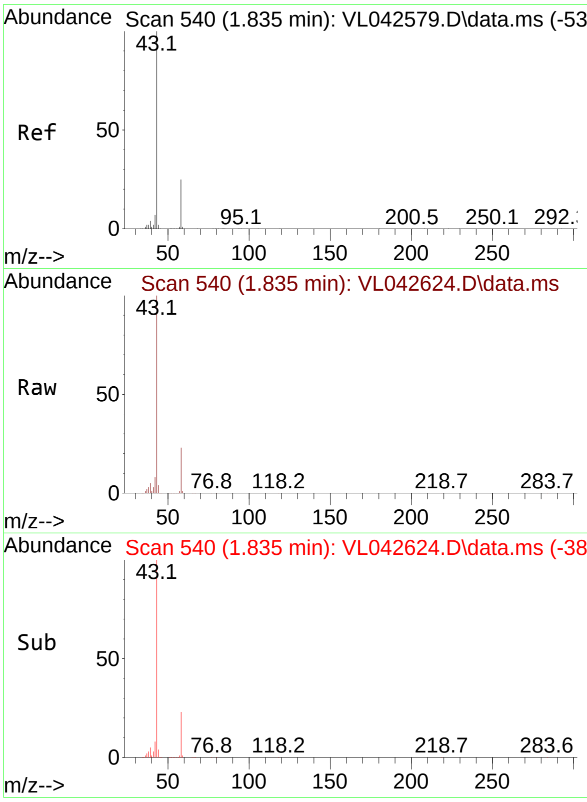


#14
Bromoethene
Concen: 10.631 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:108 Resp: 38439

Ion	Ratio	Lower	Upper
108	100		
106	105.1	87.9	131.9
79	20.0	15.6	23.4





#15
Acetone
Concen: 8.900 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 114754

Ion	Ratio	Lower	Upper
43	100		
58	24.4	21.0	31.4

Manual Integrations APPROVED

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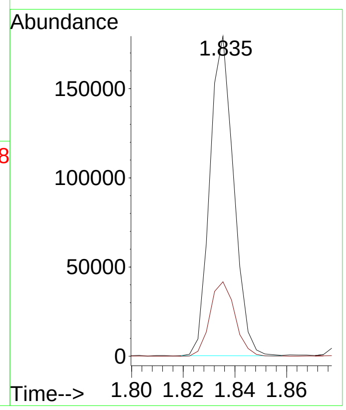
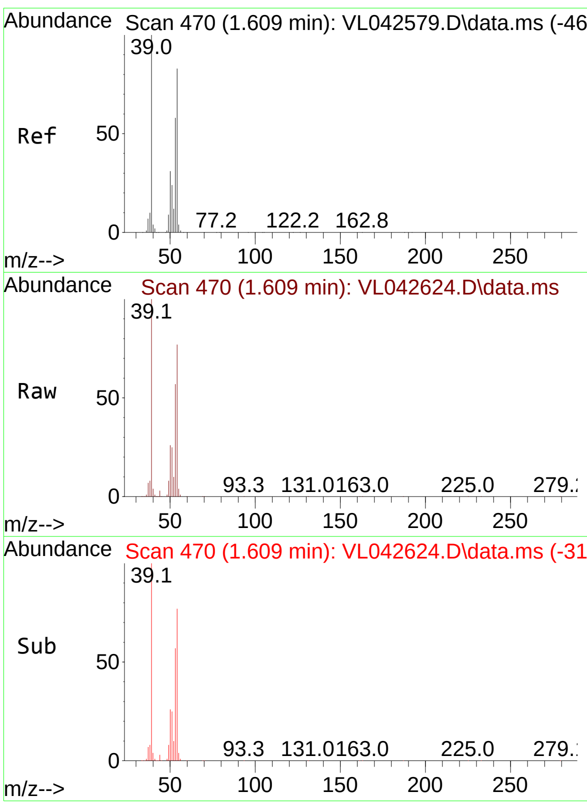
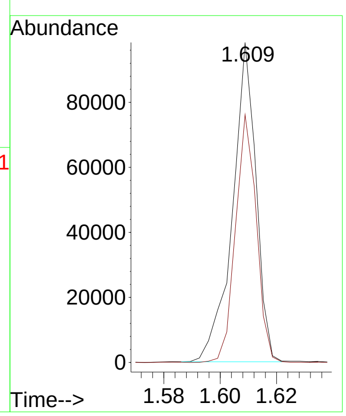


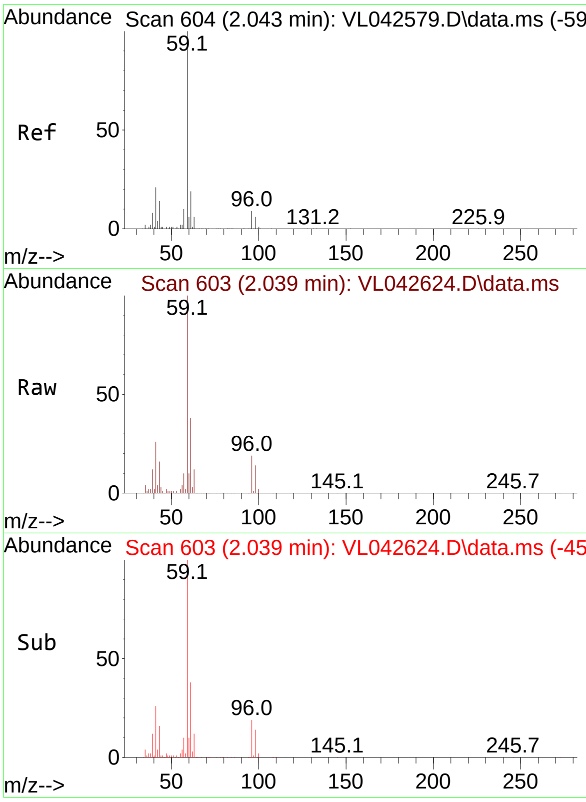


#16
1,3-Butadiene
Concen: 9.311 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 39 Resp: 56873

Ion	Ratio	Lower	Upper
39	100		
54	68.9	57.9	86.9





#17
tert-Butyl alcohol
Concen: 10.240 ppbv
RT: 2.039 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 59 Resp: 137548

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

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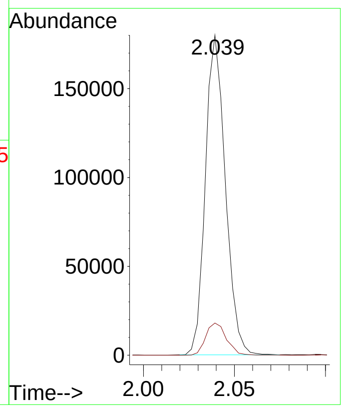
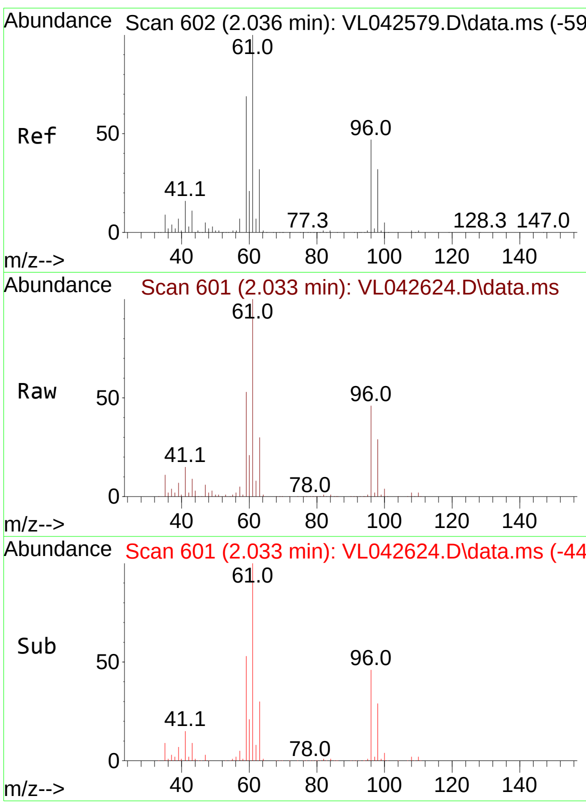
Supervised By :Mahesh Dadoda 06/17/2025

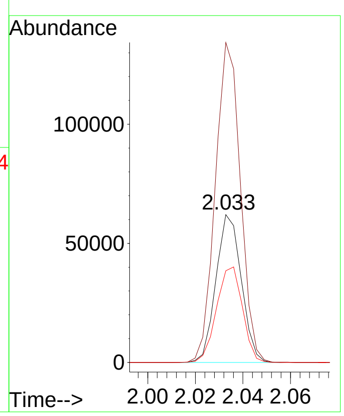


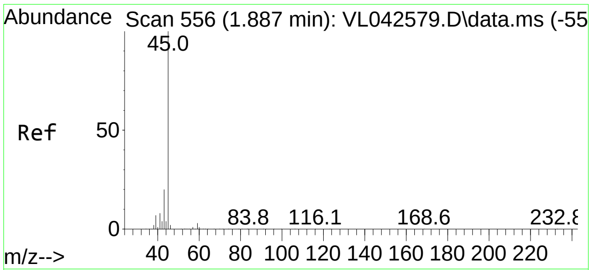


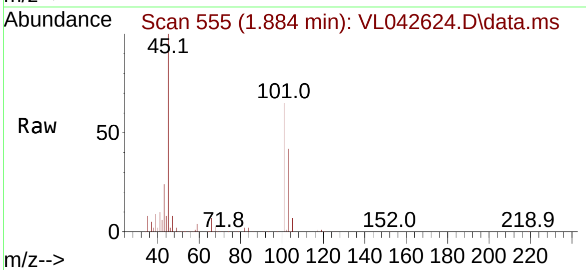
#18
1,1-Dichloroethene
Concen: 10.304 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

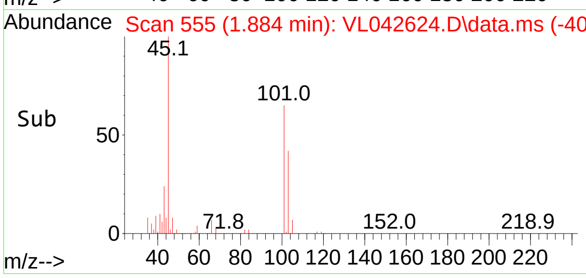
Tgt Ion: 96 Resp: 45907

Ion	Ratio	Lower	Upper
96	100		
61	216.3	171.1	256.7
98	62.0	54.4	81.6









#19
Isopropyl Alcohol
Concen: 9.852 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 45 Resp: 7594

Ion	Ratio	Lower	Upper
45	100		
58	36.9	29.4	44.2

Manual Integrations APPROVED

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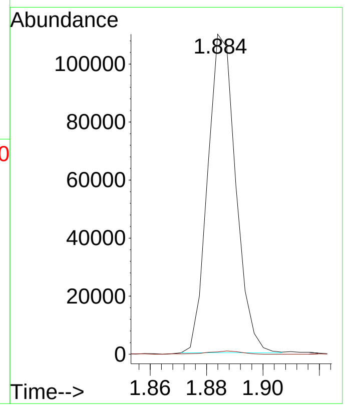
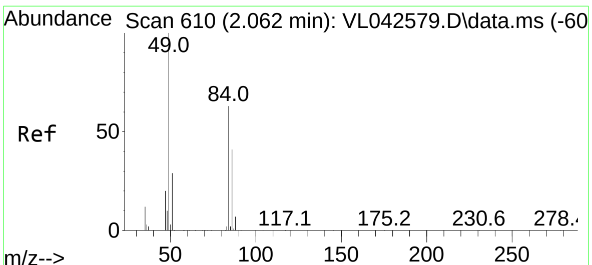
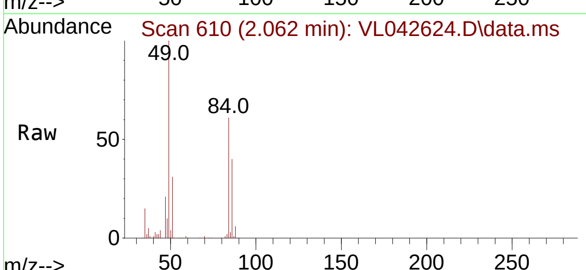
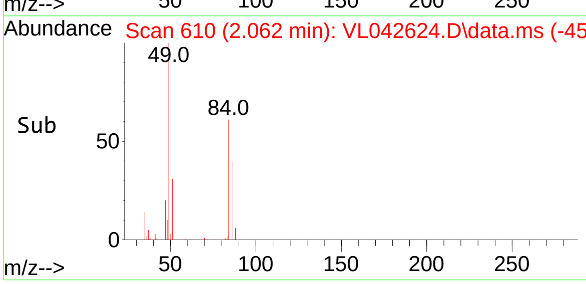
Supervised By :Mahesh Dadoda 06/17/2025





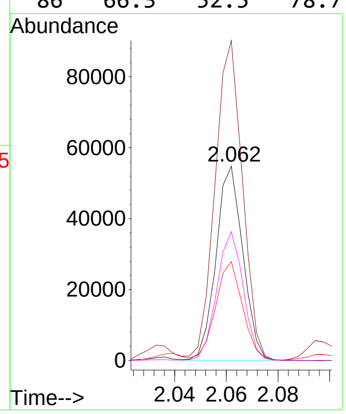


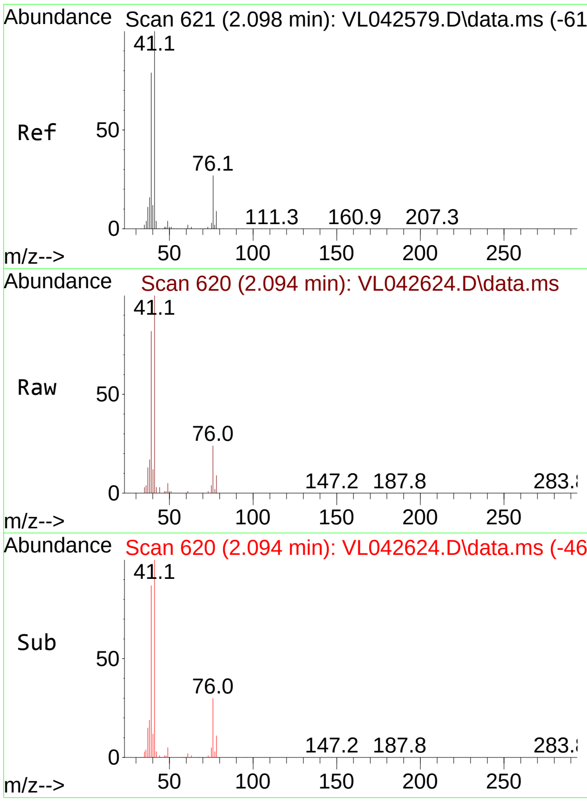


#20
Methylene Chloride
Concen: 9.285 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 84 Resp: 39509

Ion	Ratio	Lower	Upper
84	100		
49	164.7	128.8	193.2
51	50.7	38.6	57.8
86	66.3	52.5	78.7





#21
Allyl Chloride
Concen: 9.897 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 41 Resp: 9004

Ion	Ratio	Lower	Upper
41	100		
76	25.8	21.2	31.8
39	82.5	60.9	91.3

Manual Integrations
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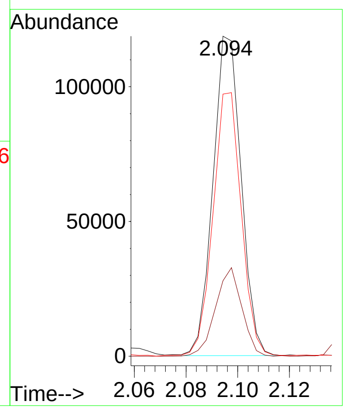
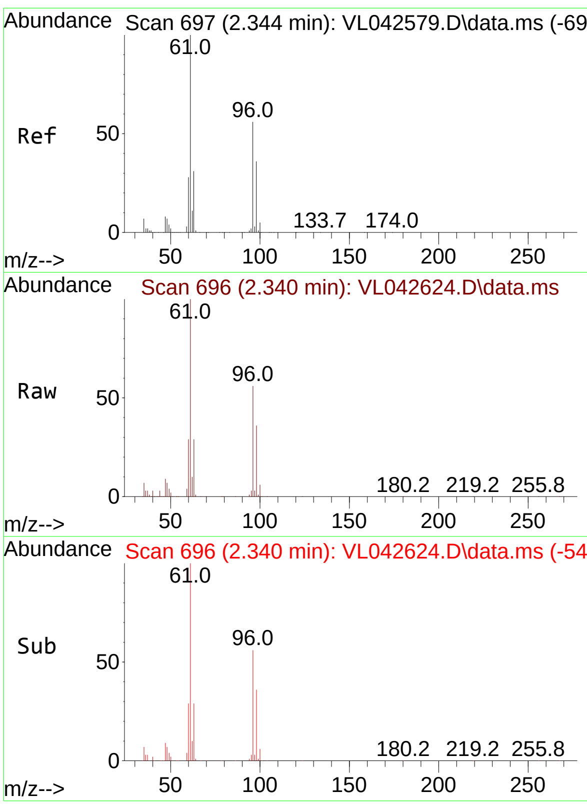
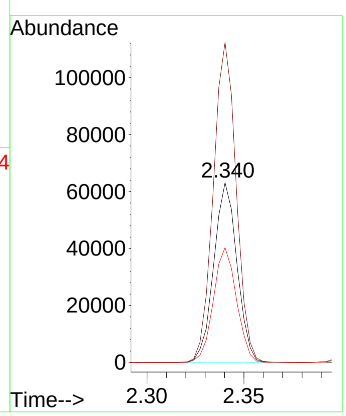


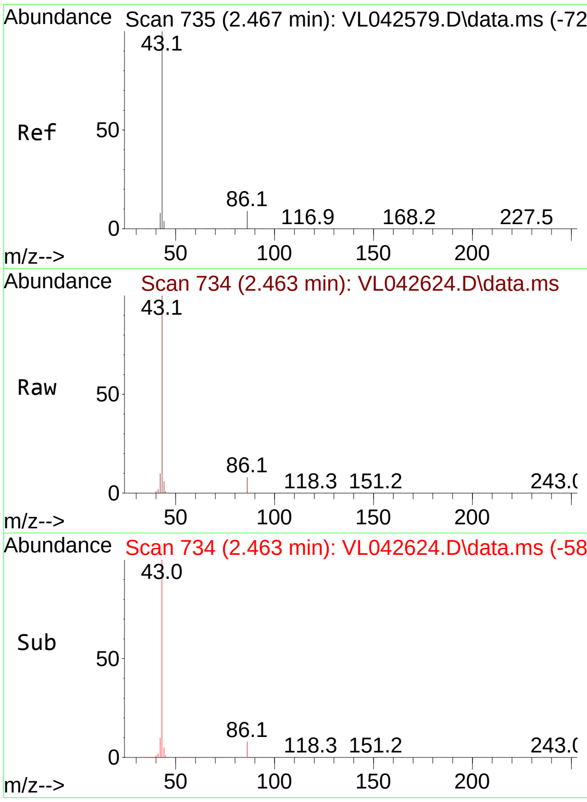


#22
trans-1,2-Dichloroethene
Concen: 10.574 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 96 Resp: 52622

Ion	Ratio	Lower	Upper
96	100		
61	177.8	142.6	214.0
98	63.9	51.0	76.4

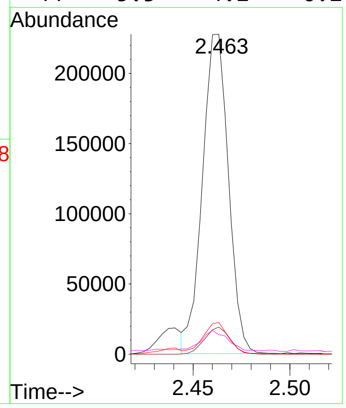




#23
Vinyl Acetate
Concen: 12.211 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 21283(

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8
42	9.8	7.0	10.4
44	5.3	4.2	6.2



Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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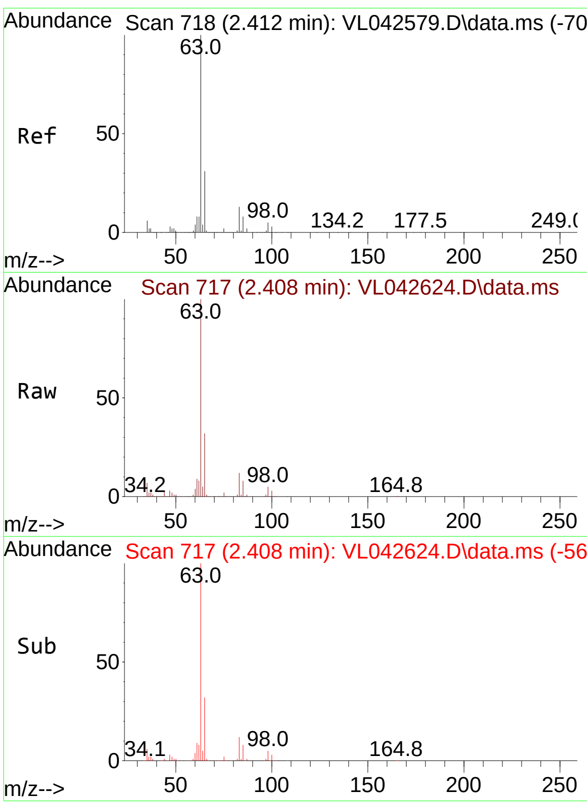
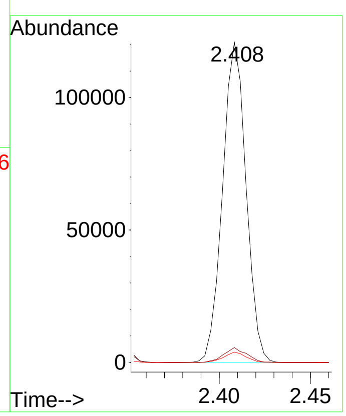
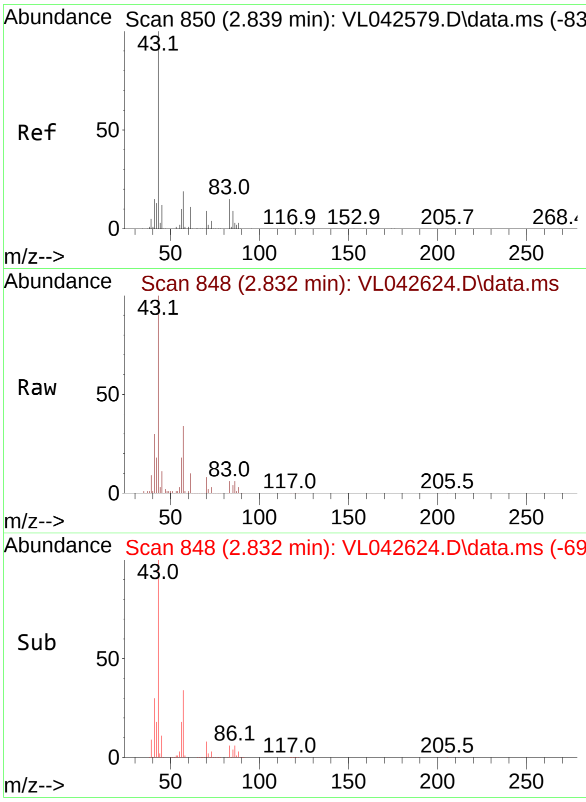


#24
1,1-Dichloroethane
Concen: 10.572 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 63 Resp: 108253

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	3.3	1.4	4.0

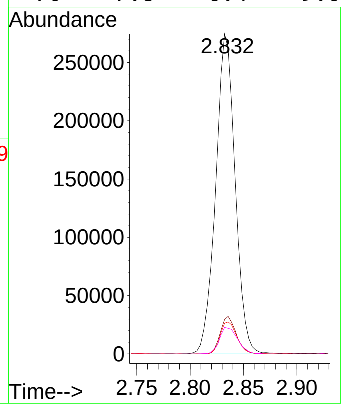




#25
Ethyl Acetate
Concen: 9.887 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 34888

Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.2	12.2
61	8.7	7.1	10.7
70	7.8	6.4	9.6



Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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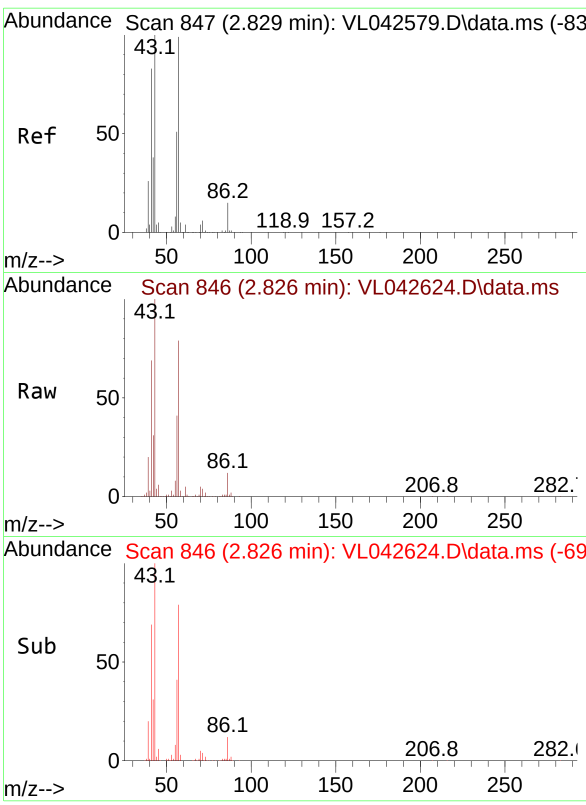
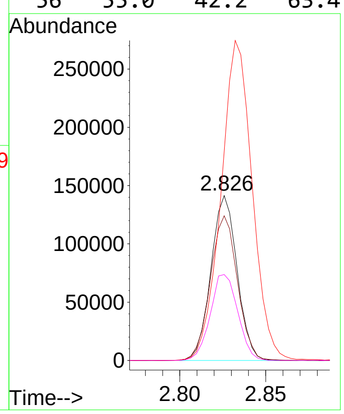
Supervised By :Mahesh Dadoda 06/17/2025

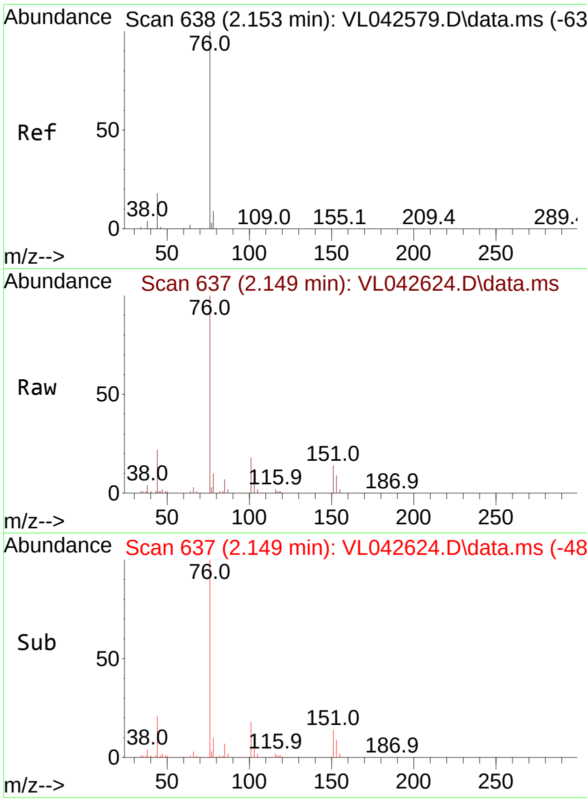


#26
Hexane
Concen: 9.338 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 57 Resp: 149725

Ion	Ratio	Lower	Upper
57	100		
41	91.7	70.6	106.0
43	233.3	181.1	271.7
56	55.0	42.2	63.4





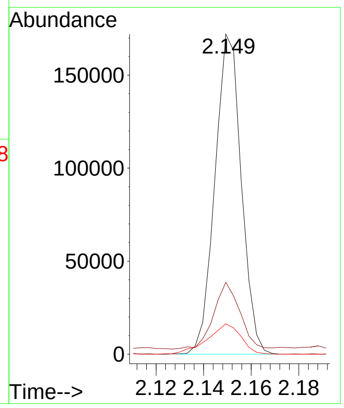
#27
Carbon Disulfide
Concen: 10.763 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

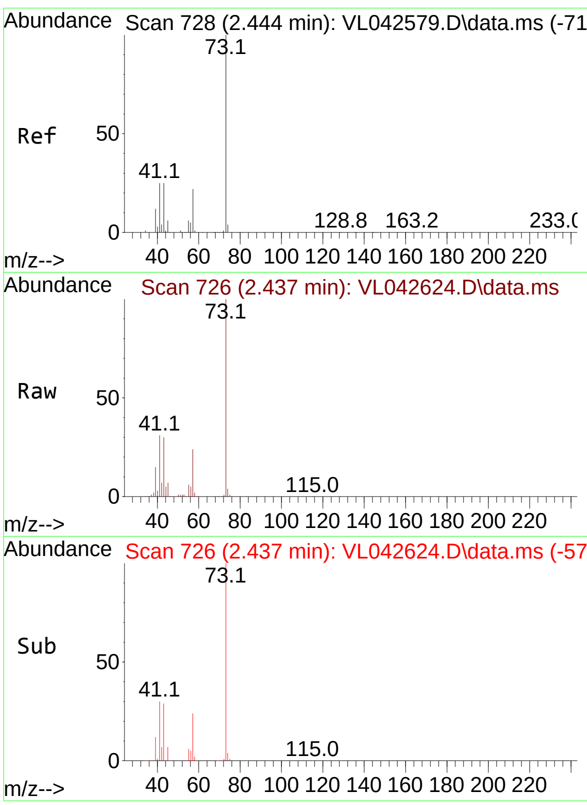
Tgt Ion: 76 Resp: 13247

Ion	Ratio	Lower	Upper
76	100		
44	20.8	21.3	31.9#
78	11.9	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

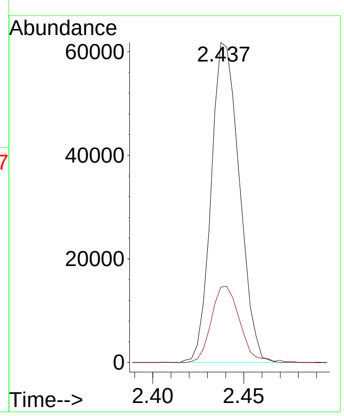


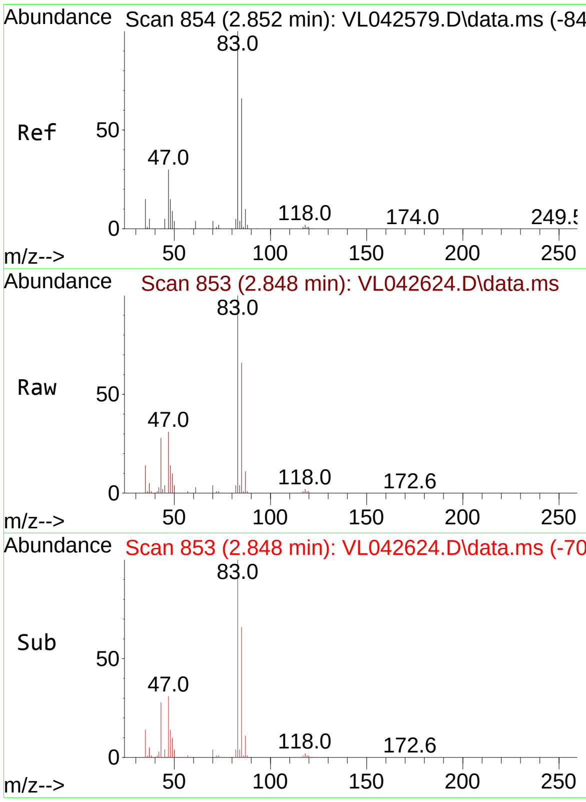


#28
Methyl tert-Butyl Ether
Concen: 10.228 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 73 Resp: 66546

Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.9	29.9





#29
Chloroform
Concen: 10.104 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 83 Resp: 21066

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.8	79.2

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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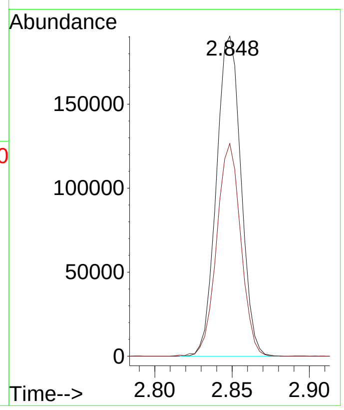
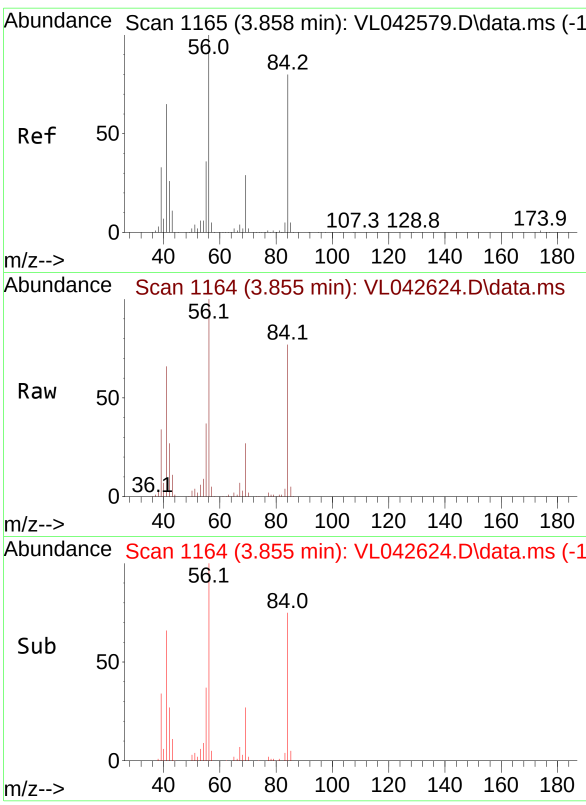
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

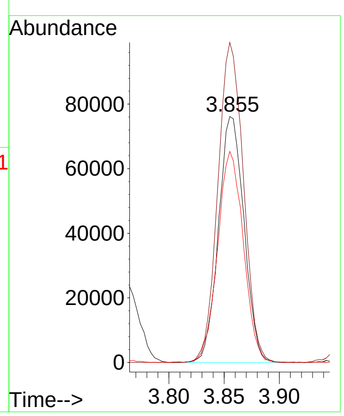


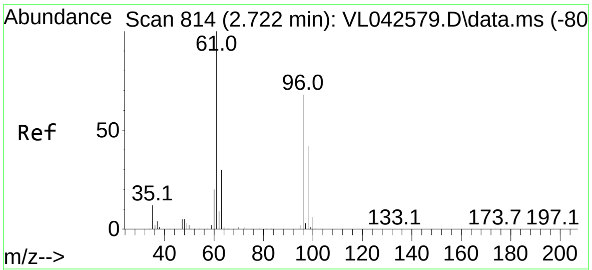


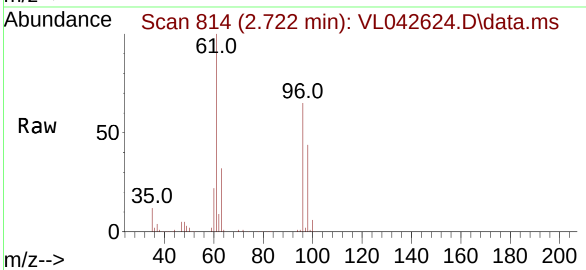
#30
Cyclohexane
Concen: 9.213 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

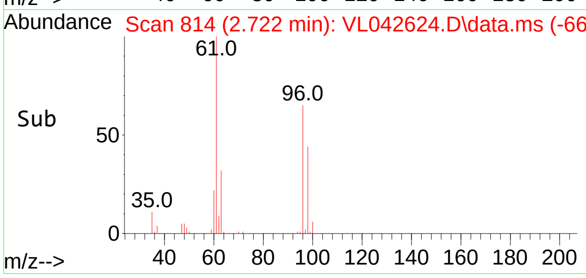
Tgt Ion: 84 Resp: 122467

Ion	Ratio	Lower	Upper
84	100		
56	130.2	103.7	155.5
41	86.7	65.1	97.7









#31
cis-1,2-Dichloroethene
Concen: 10.037 ppbv
RT: 2.722 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 61 Resp: 14721

Ion	Ratio	Lower	Upper
61	100		
96	65.2	54.5	81.7
98	44.2	33.4	50.2

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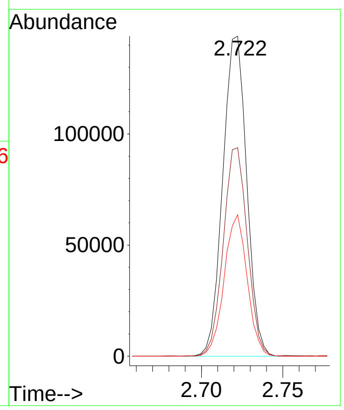
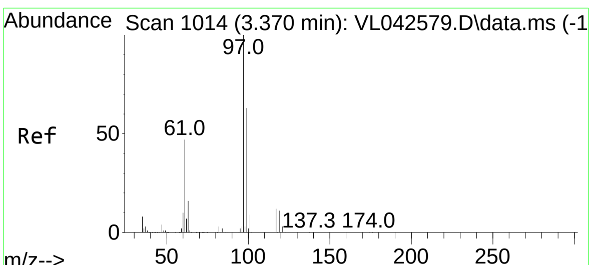
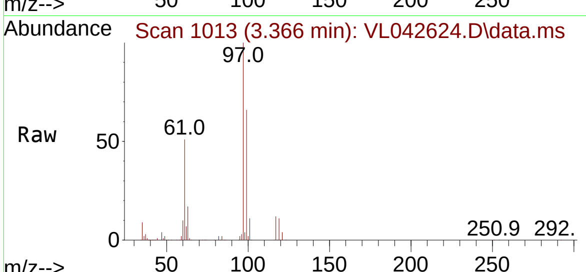
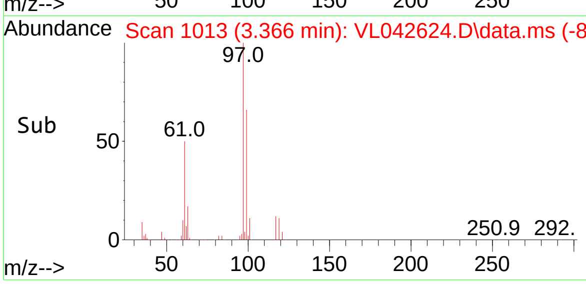
Supervised By :Mahesh Dadoda 06/17/2025





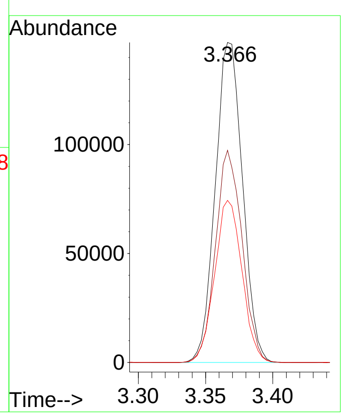


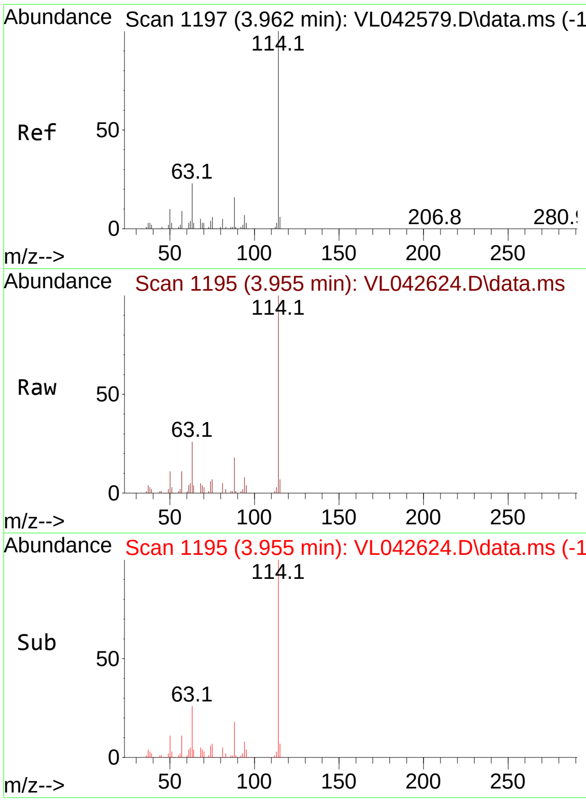


#32
1,1,1-Trichloroethane
Concen: 9.740 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 97 Resp: 207491

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	50.9	39.4	59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:114 Resp: 28671

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.9	13.6	20.4

Manual Integrations
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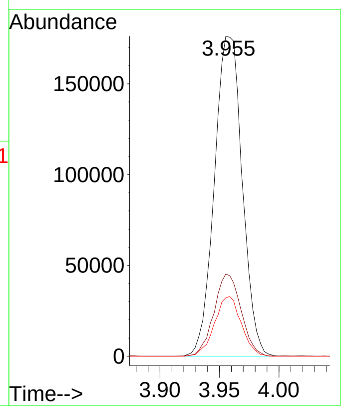
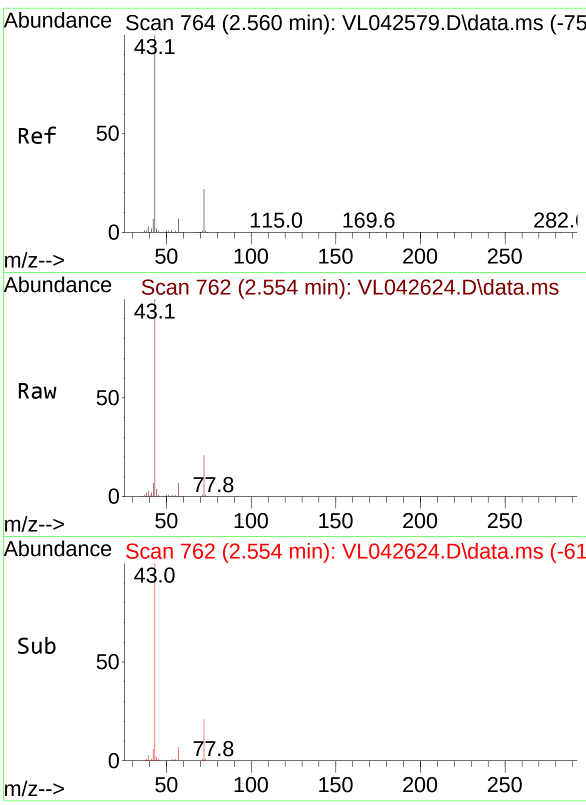
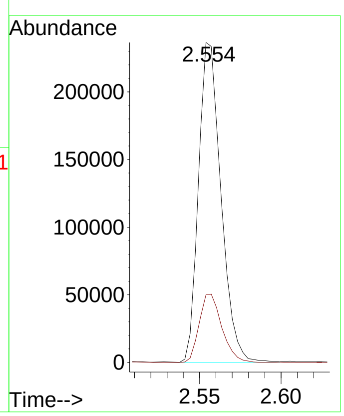


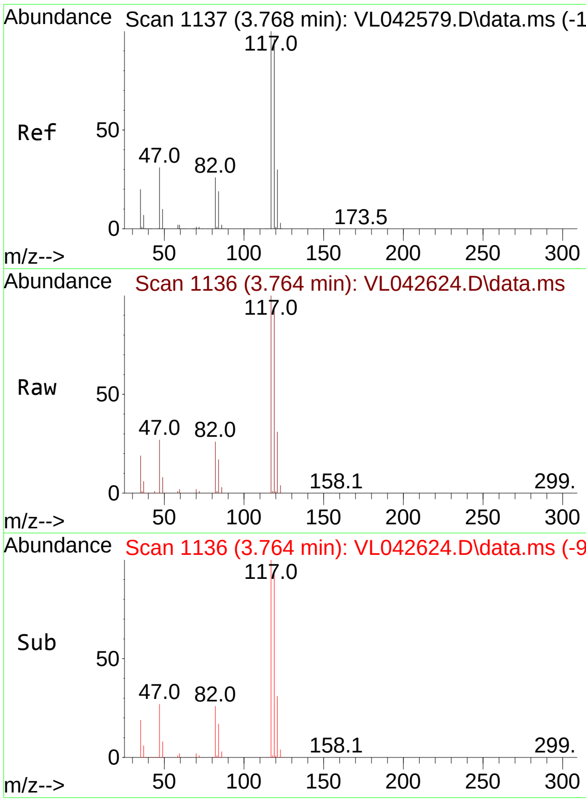


#34
2-Butanone
Concen: 11.091 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 226773

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5





#35
Carbon Tetrachloride
Concen: 11.107 ppbv
RT: 3.764 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:117 Resp: 21022

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.8	115.2
121	30.7	24.3	36.5

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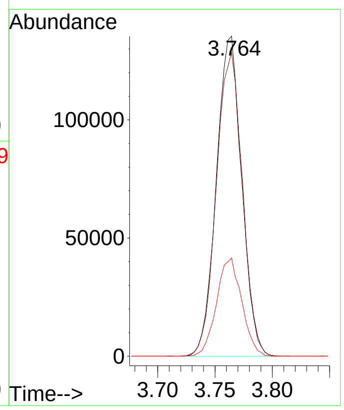
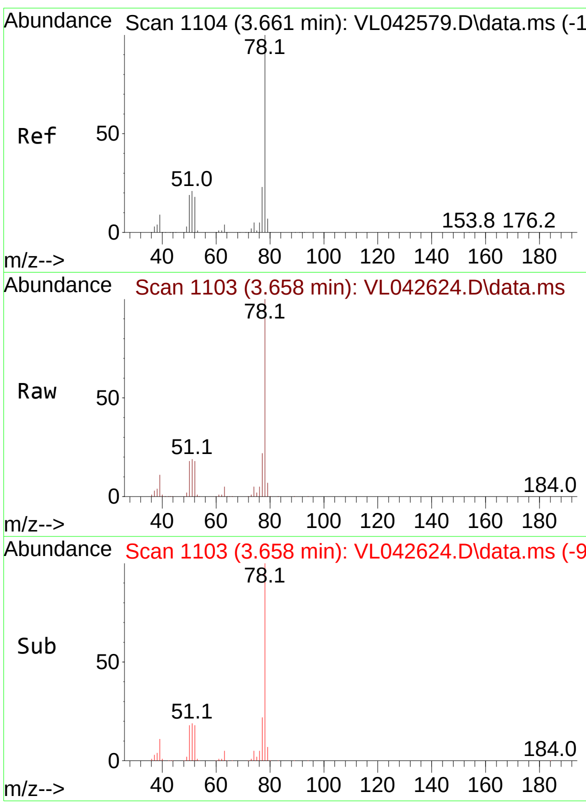
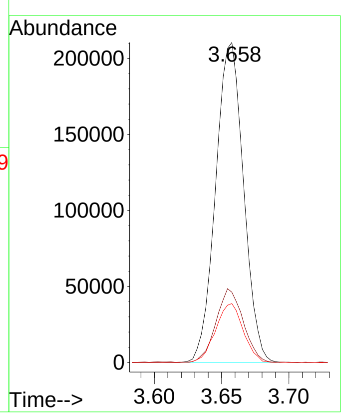


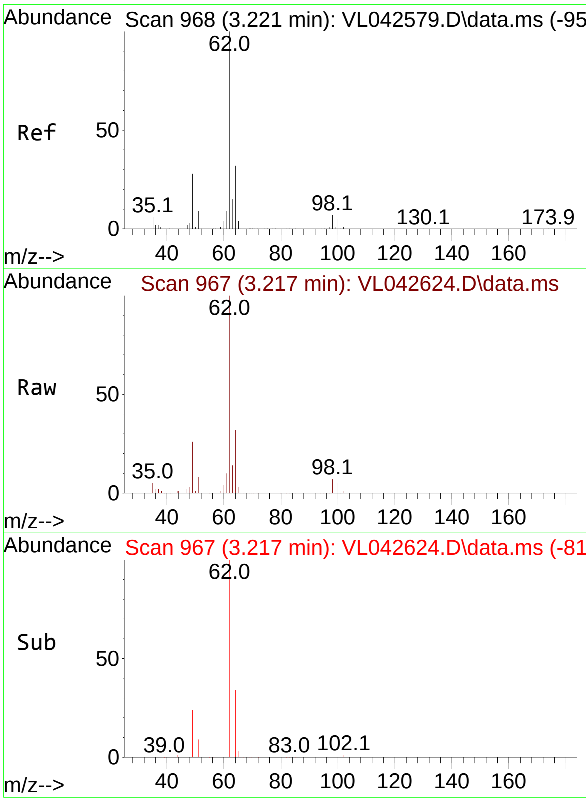


#36
Benzene
Concen: 10.780 ppbv
RT: 3.658 min   Scan# 1103
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 78 Resp: 304362

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.2	27.2
50	18.4	15.2	22.8





#37
1,2-Dichloroethane
Concen: 11.680 ppbv
RT: 3.217 min Scan# 96
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 62 Resp: 163904

Ion	Ratio	Lower	Upper
62	100		
98	7.2	6.1	9.1

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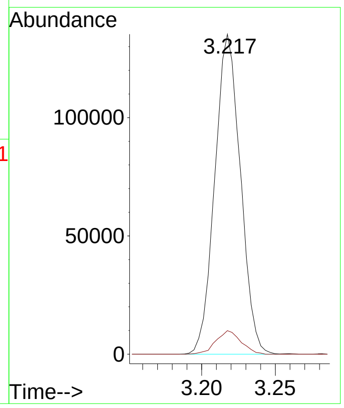
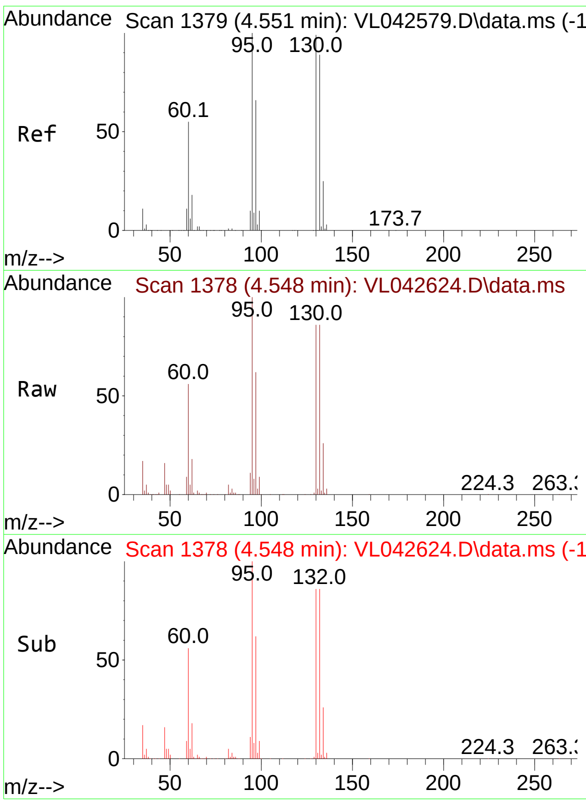
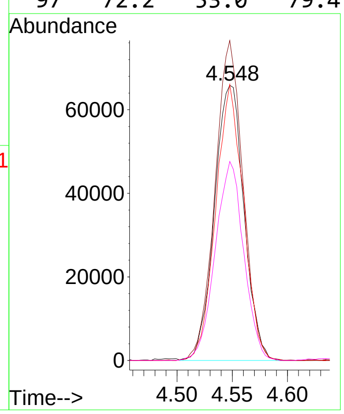


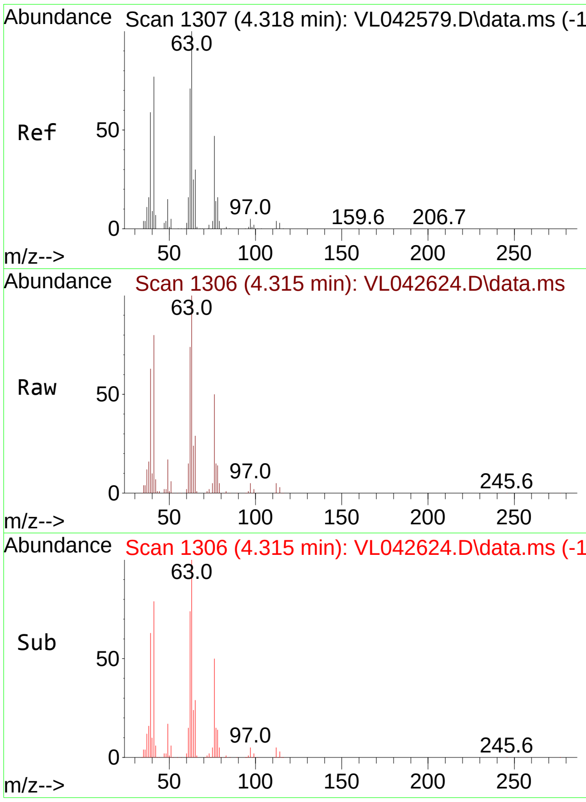


#38
Trichloroethene
Concen: 10.210 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:130 Resp: 122527

Ion	Ratio	Lower	Upper
130	100		
95	116.0	80.6	121.0
132	100.1	71.8	107.6
97	72.2	53.0	79.4





#39
1,2-Dichloropropane
Concen: 10.579 ppbv
RT: 4.315 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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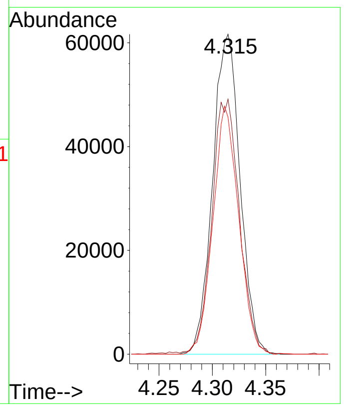
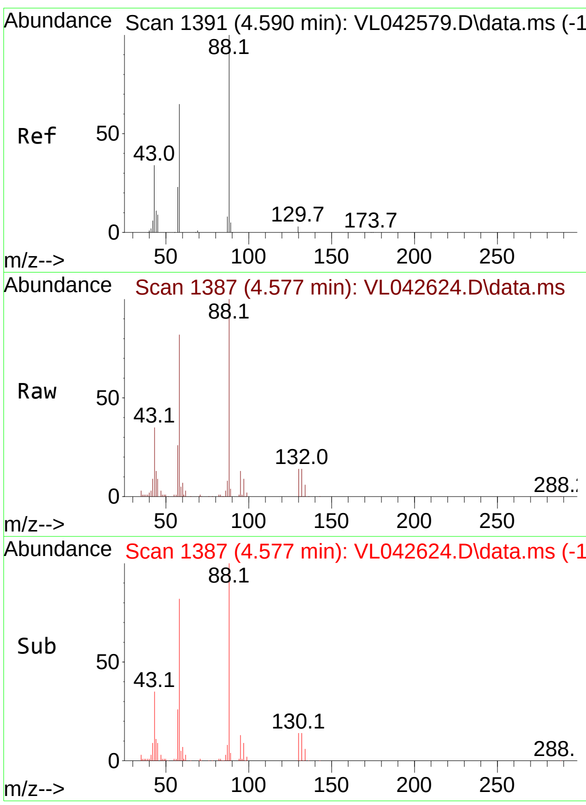
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion: 63 Resp: 110459

Ion	Ratio	Lower	Upper
63	100		
41	79.5	61.8	92.6
62	74.0	56.6	85.0

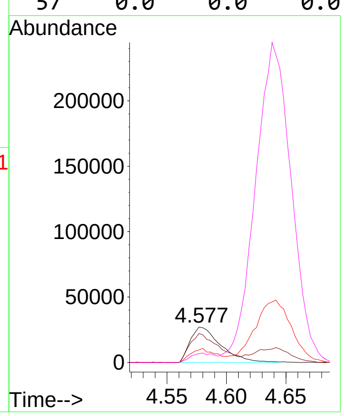


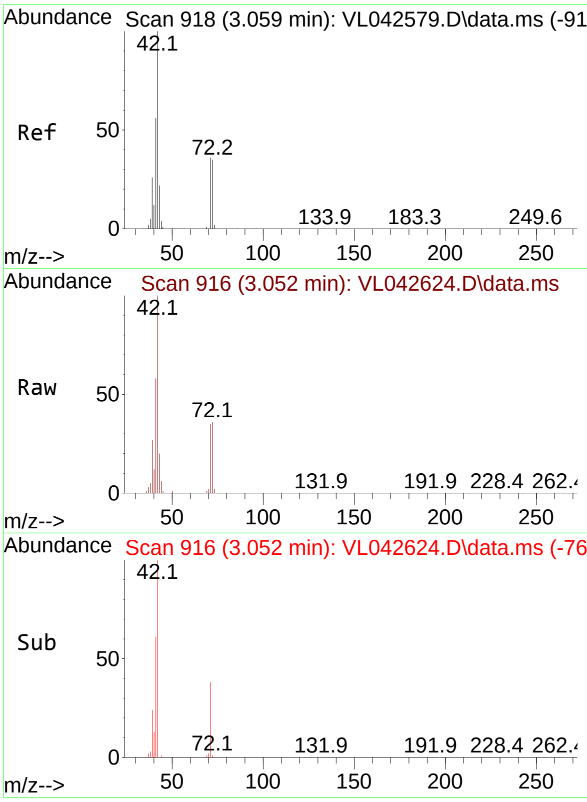


#40
1,4-Dioxane
Concen: 10.339 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 88 Resp: 48307

Ion	Ratio	Lower	Upper
88	100		
58	81.6	55.8	83.8
43	31.7	24.8	37.2
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.699 ppbv
RT: 3.052 min Scan# 91
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 42 Resp: 12806

Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.9	43.3
71	35.0	28.5	42.7

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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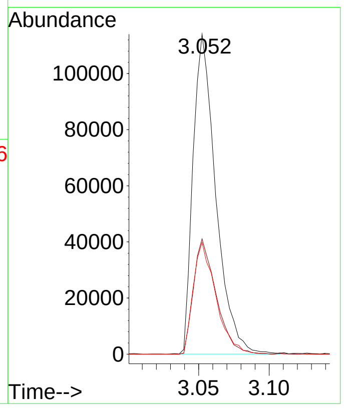
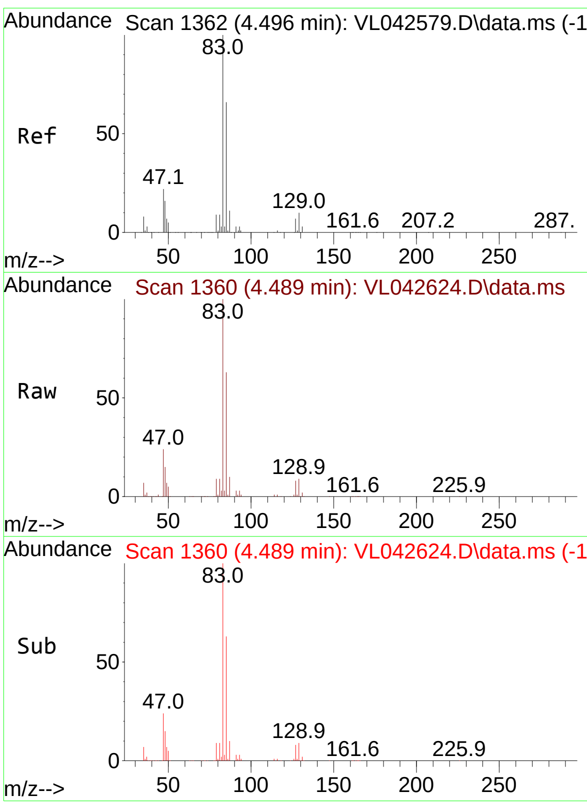
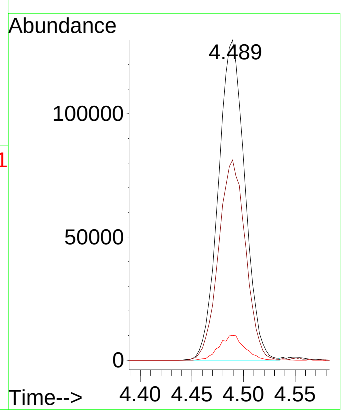


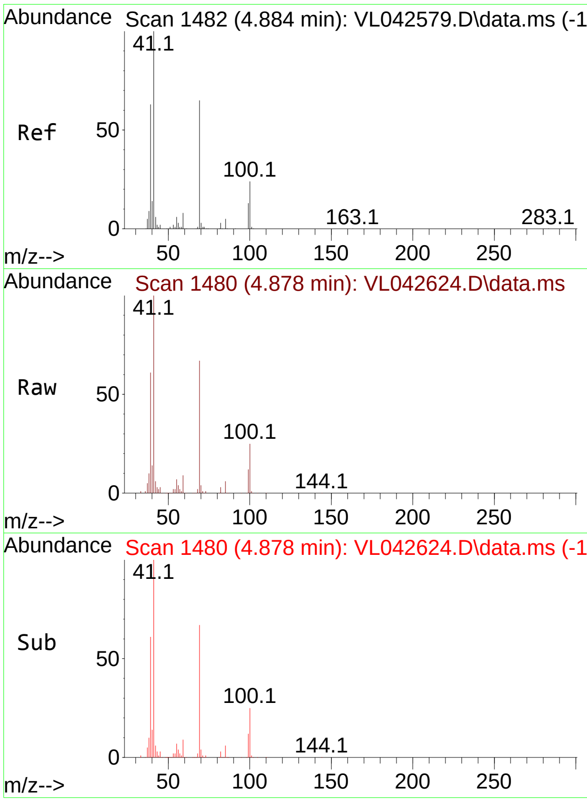


#42
Bromodichloromethane
Concen: 11.667 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 83 Resp: 232526

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.7	79.1
127	7.7	5.8	8.6





#43
Methyl Methacrylate
Concen: 10.474 ppbv
RT: 4.878 min   Scan# 14
Delta R.T.   -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 69 Resp: 11478

Ion	Ratio	Lower	Upper
69	100		
41	155.7	124.6	187.0
100	35.0	29.9	44.9

Manual Integrations
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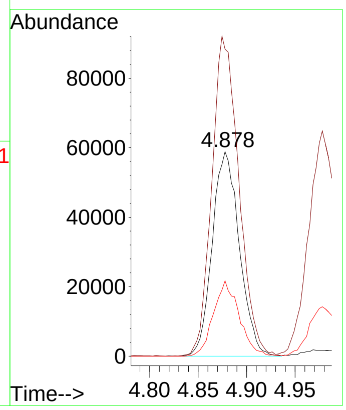
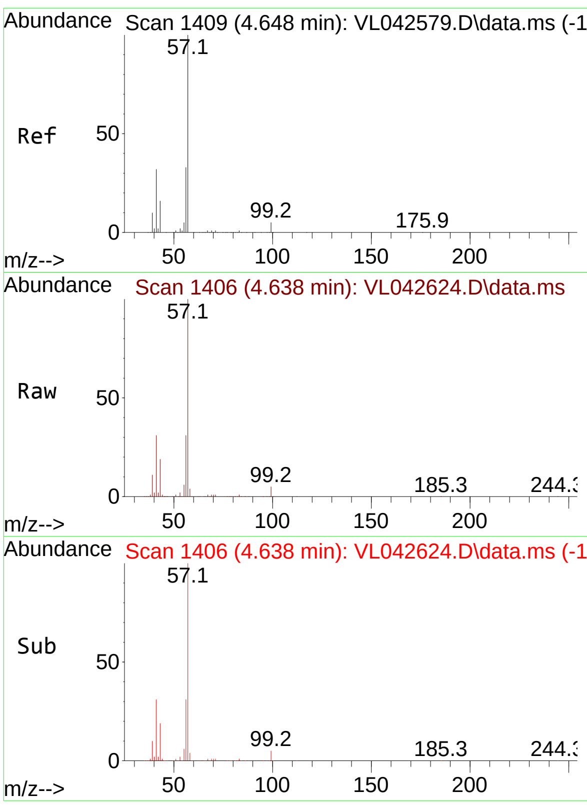
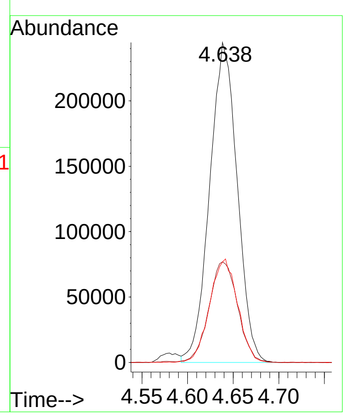


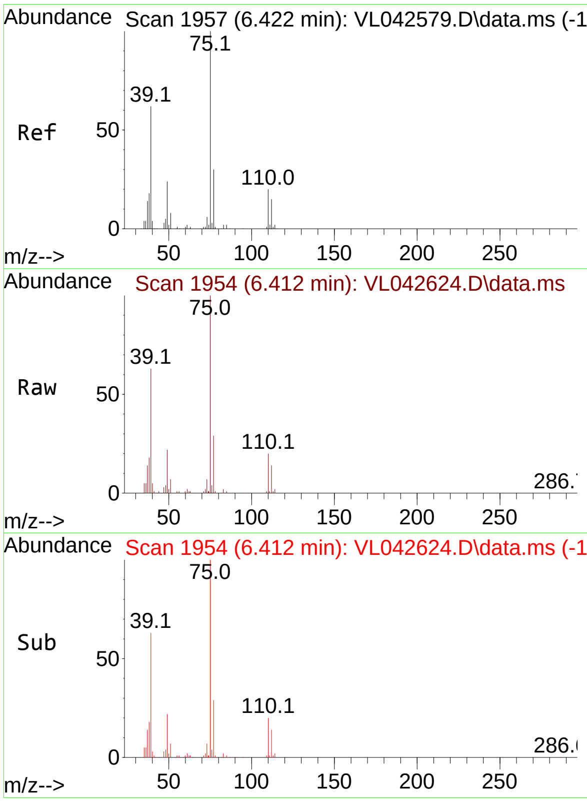


#44
2,2,4-Trimethylpentane
Concen: 10.650 ppbv
RT: 4.638 min   Scan# 1406
Delta R.T.   -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 57 Resp: 514353

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.1	39.1
56	32.9	25.9	38.9





#45
t-1,3-Dichloropropene
Concen: 10.542 ppbv
RT: 6.412 min Scan# 19
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 75 Resp: 13219

Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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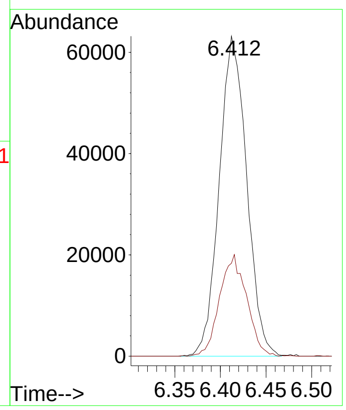
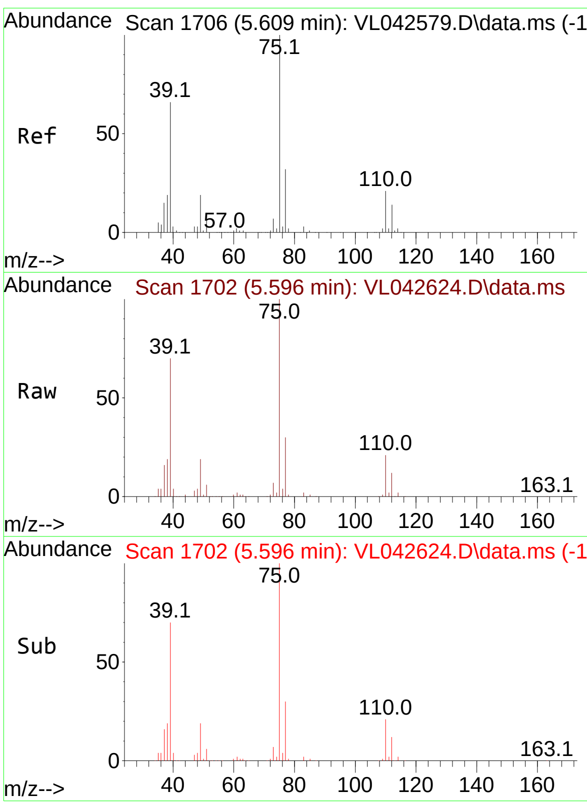
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

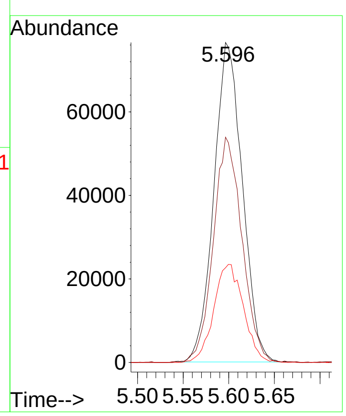


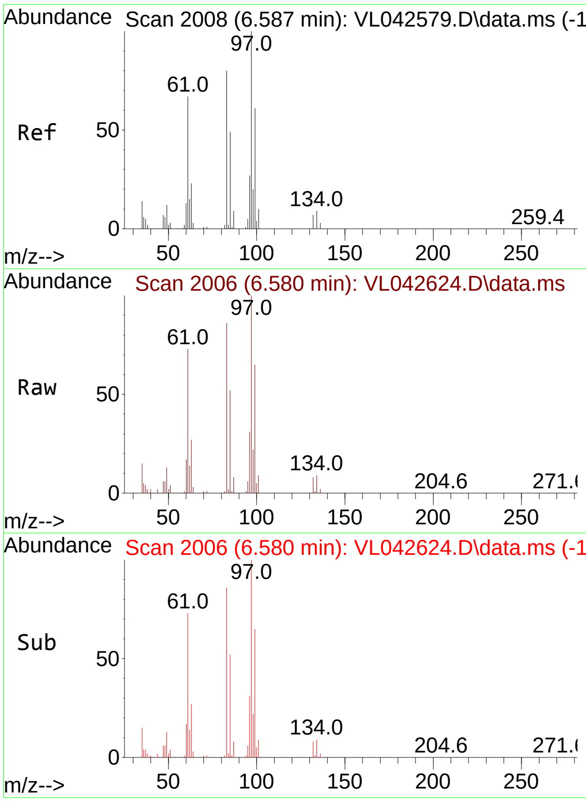


#46
cis-1,3-Dichloropropene
Concen: 10.565 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 75 Resp: 166004

Ion	Ratio	Lower	Upper
75	100		
39	70.4	52.7	79.1
77	29.7	25.8	38.8





#47
1,1,2-Trichloroethane
Concen: 10.792 ppbv
RT: 6.580 min Scan# 20
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 97 Resp: 11665

Ion	Ratio	Lower	Upper
97	100		
83	85.8	63.9	95.9
85	52.4	39.2	58.8
99	65.0	49.0	73.4

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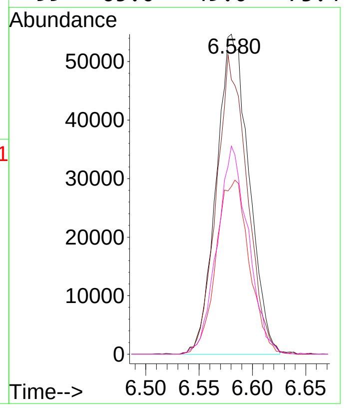
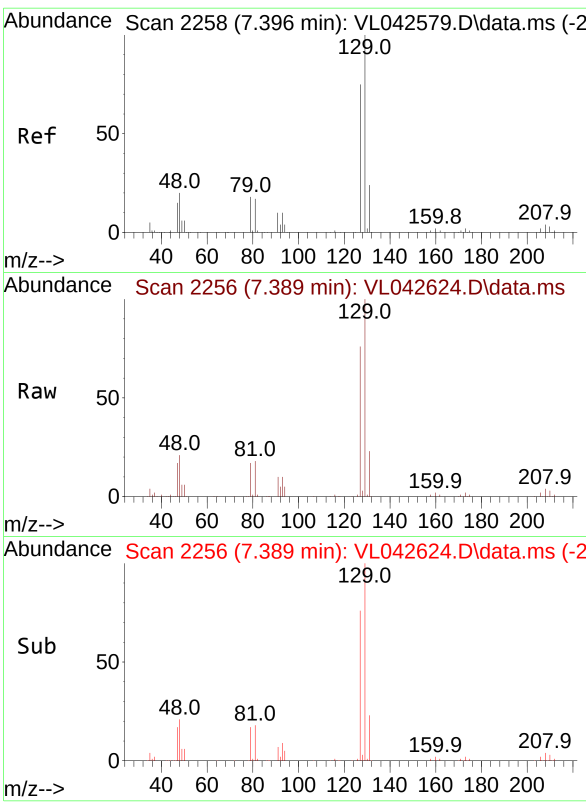
Supervised By :Mahesh Dadoda 06/17/2025

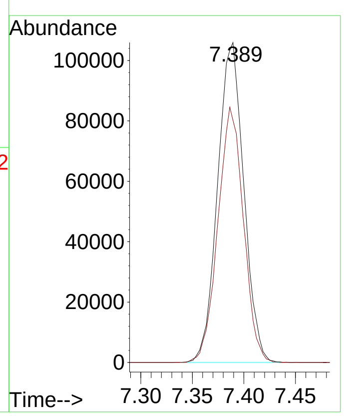


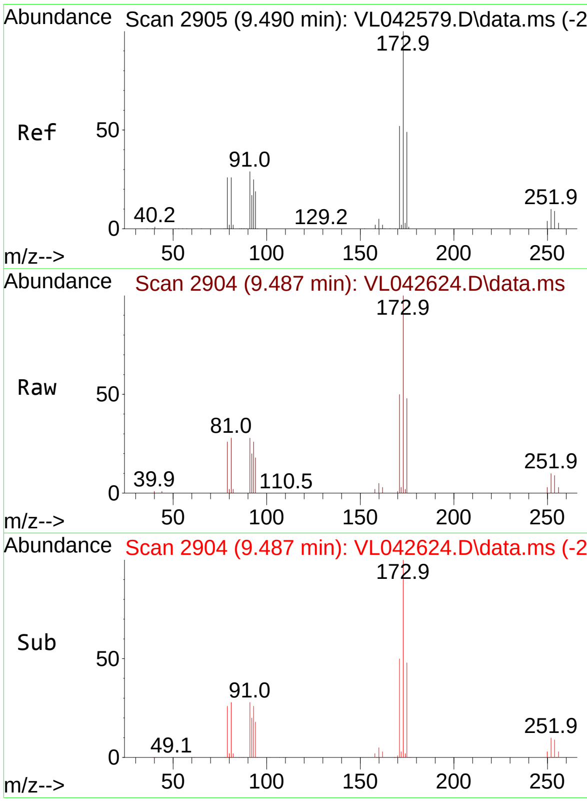


#48
Dibromochloromethane
Concen: 10.821 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:129 Resp: 187227

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	116.9





#49
Bromoform
Concen: 10.844 ppbv
RT: 9.487 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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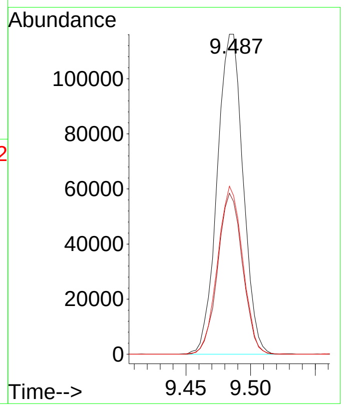
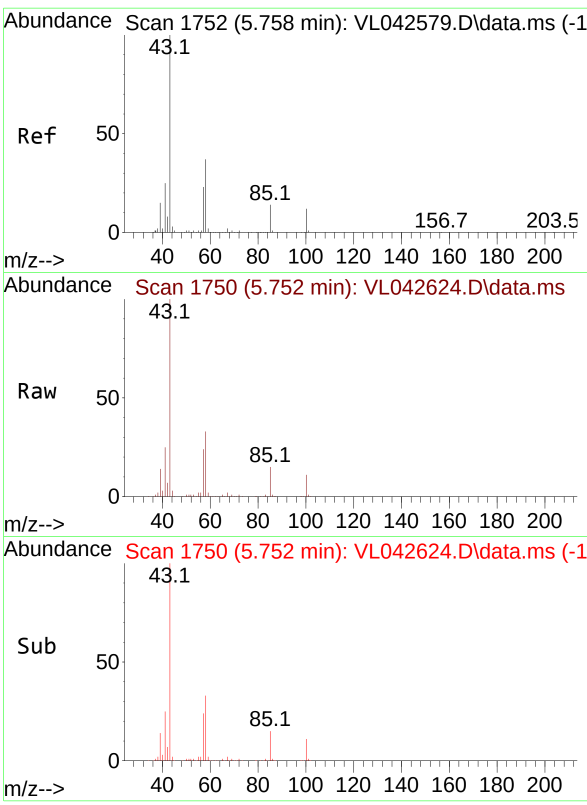
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion:173 Resp: 161902

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
171	50.9	41.2	61.8

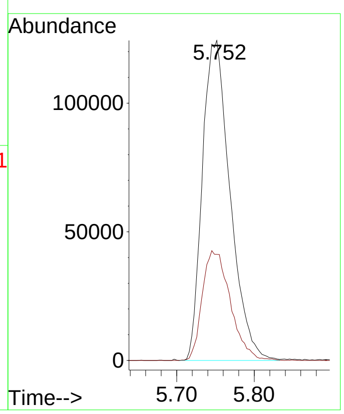


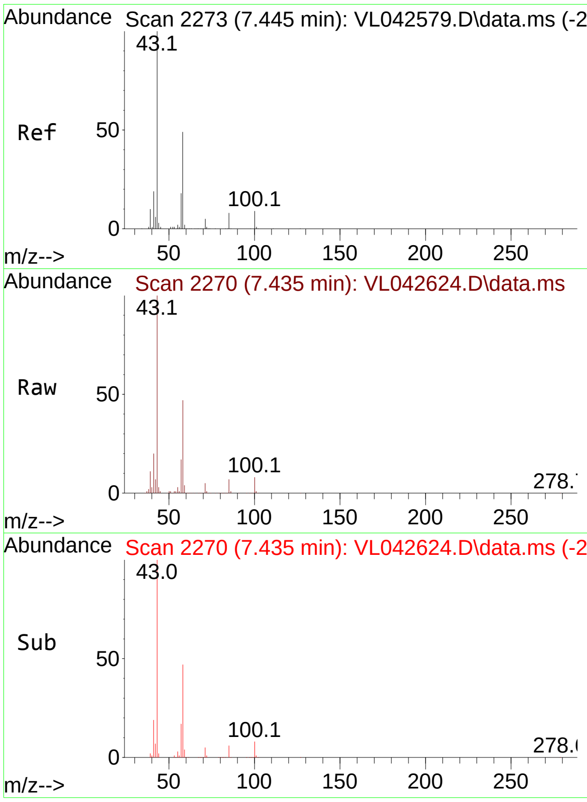


#50
4-Methyl-2-Pentanone
Concen: 10.917 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 309608

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.3	42.5





#51
2-Hexanone
Concen: 10.989 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 24718
Ion	Ratio	Lower	Upper
43	100		
58	47.5	39.9	59.9
98	0.3	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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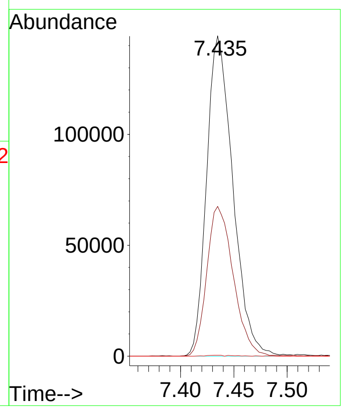
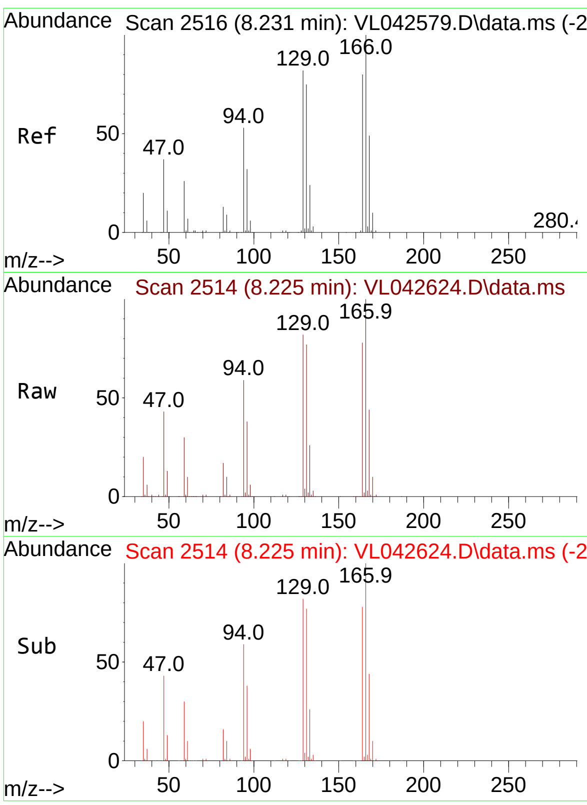
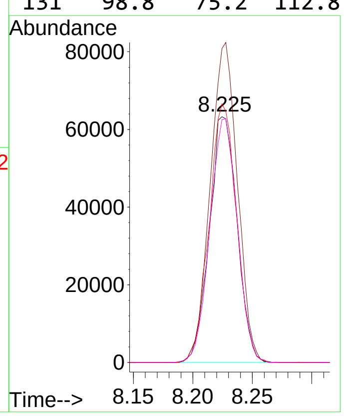
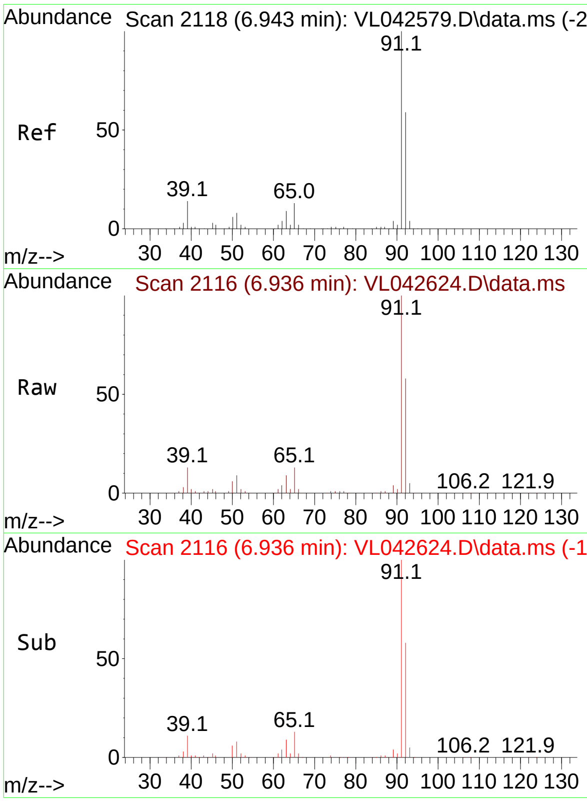




#52
Tetrachloroethene
Concen: 9.728 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:164 Resp: 102638
Ion	Ratio	Lower	Upper
164	100		
166	127.7	100.0	150.0
129	105.2	82.2	123.4
131	98.8	75.2	112.8





#53
Toluene
Concen: 10.328 ppbv
RT: 6.936 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 33704

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.2	72.4

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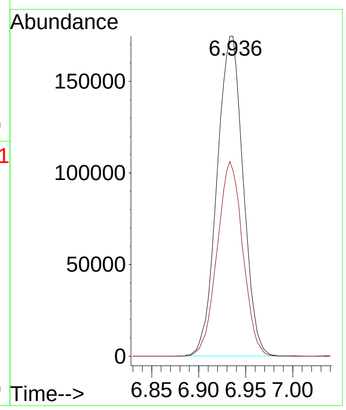
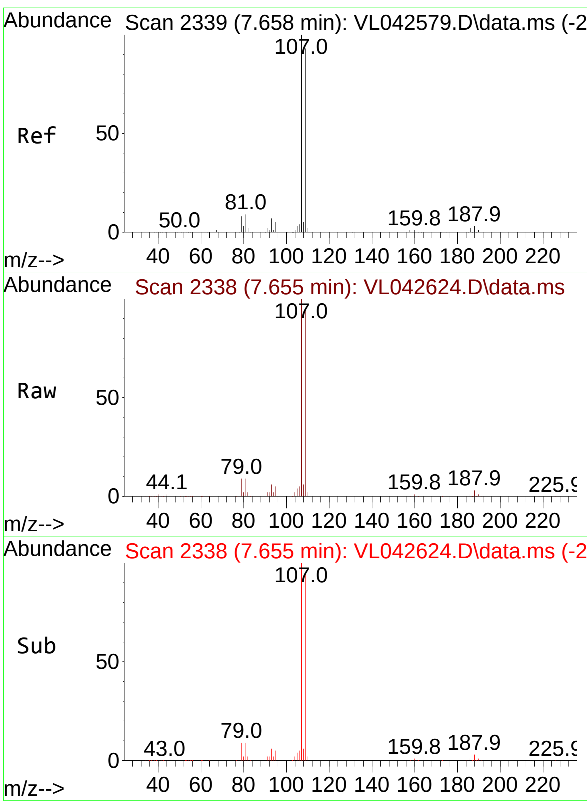
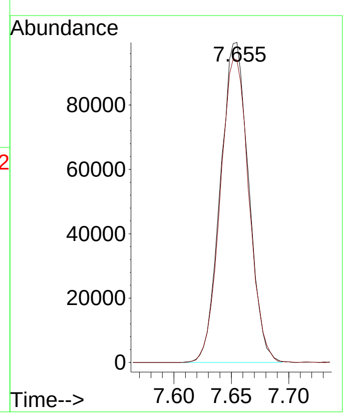


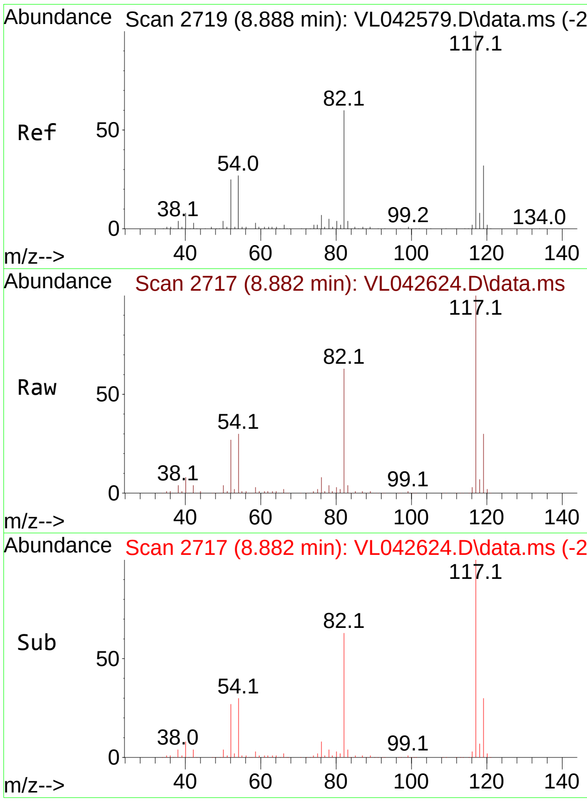


#54
1,2-Dibromoethane
Concen: 10.630 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:107 Resp: 170053

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.3	111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:117 Resp: 25946

Ion	Ratio	Lower	Upper
117	100		
82	68.7	51.2	76.8
119	32.4	26.3	39.5

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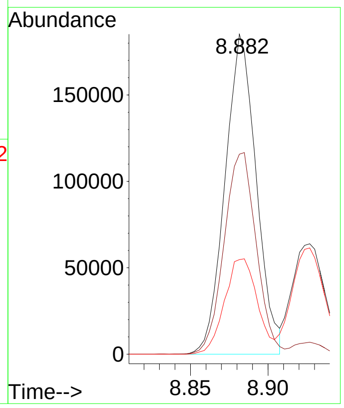
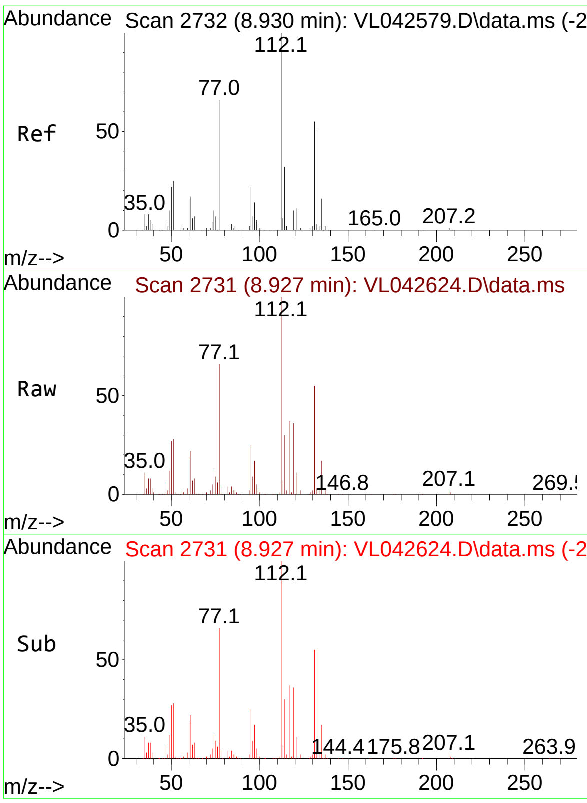
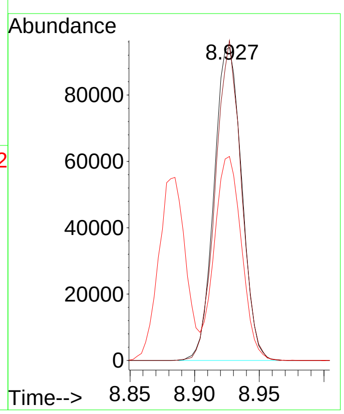


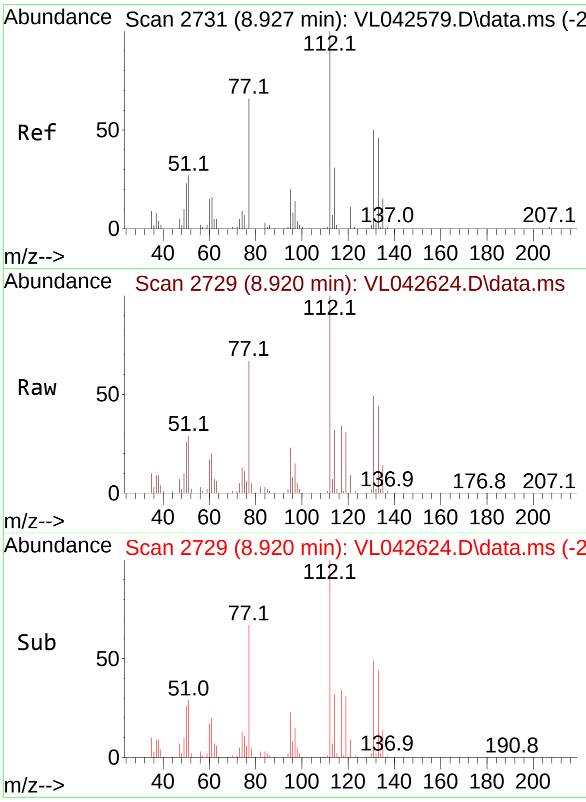


#56
1,1,1,2-Tetrachloroethane
Concen: 10.780 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:131 Resp: 140643

Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.0	112.6
119	65.1	50.8	76.2





#57
Chlorobenzene
Concen: 10.515 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:112 Resp: 26489

Ion	Ratio	Lower	Upper
112	100		
77	67.3	53.5	80.3
114	31.9	27.8	34.0

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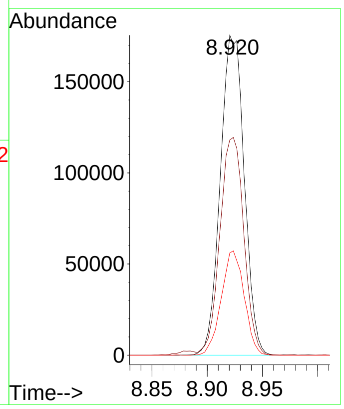
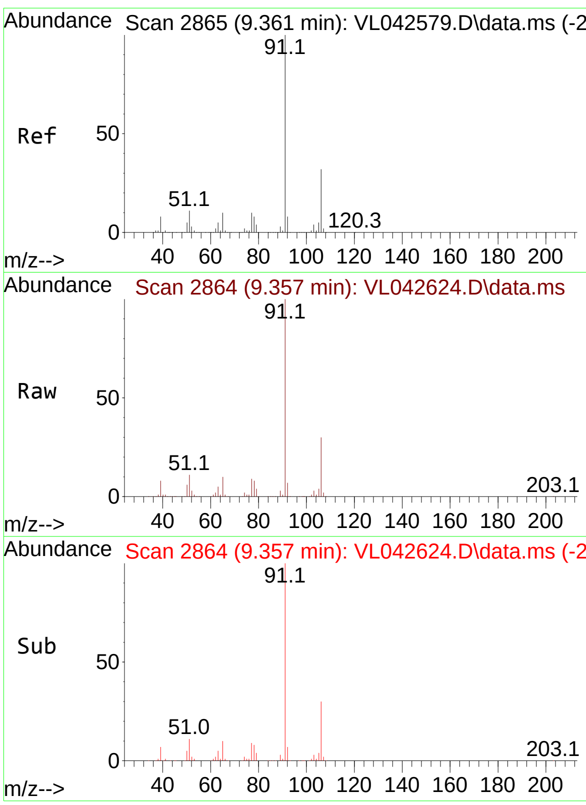
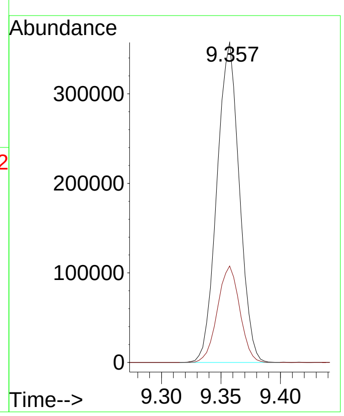


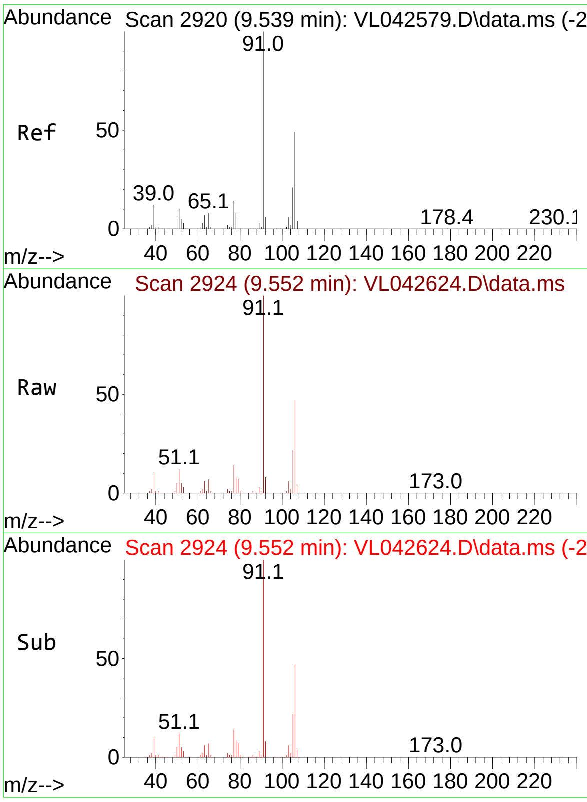


#58
Ethyl Benzene
Concen: 10.634 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 467998

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.9	38.9





#59
m/p-Xylene
Concen: 21.566 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 74693

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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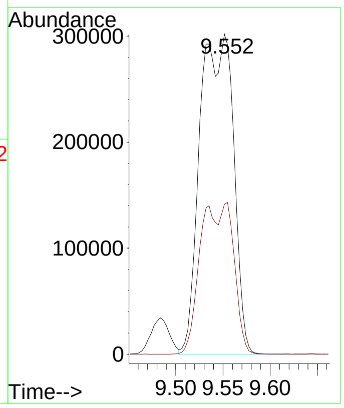
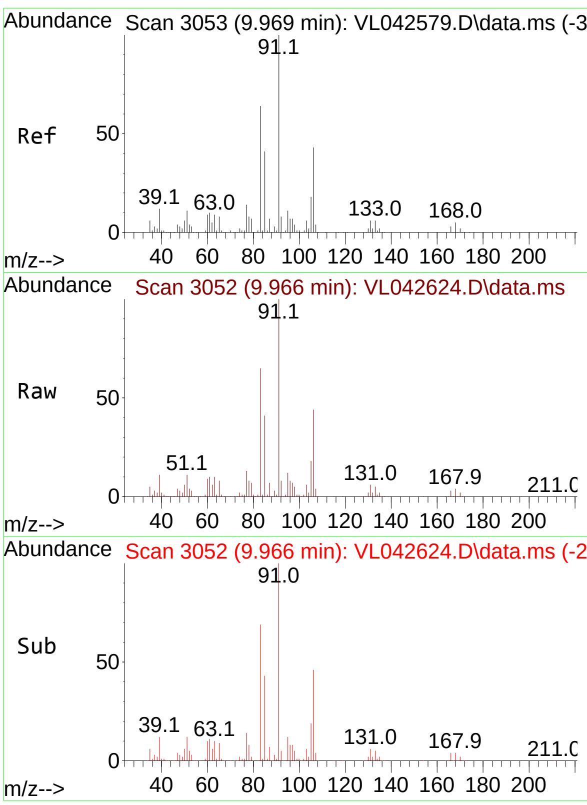
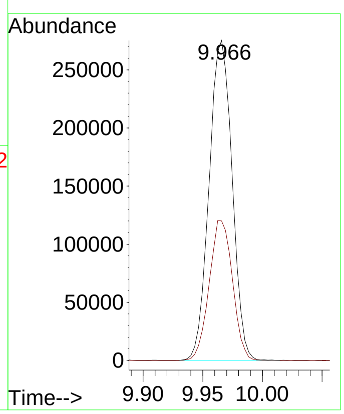


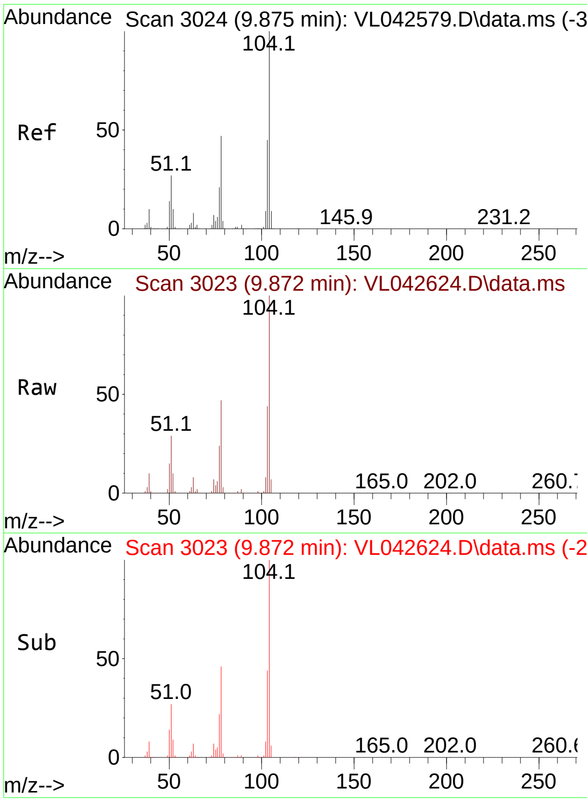


#60
o-Xylene
Concen: 10.704 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 369758

Ion	Ratio	Lower	Upper
91	100		
106	44.2	22.9	68.5





#61
Styrene
Concen: 10.371 ppbv
RT: 9.872 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:104 Resp: 169386

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.2	57.4
103	46.1	36.7	55.1

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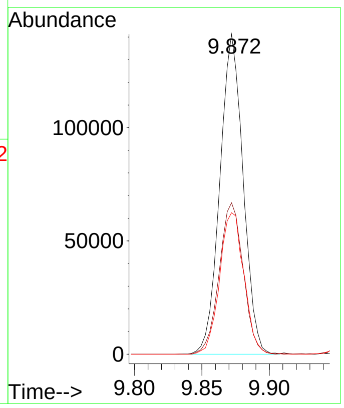
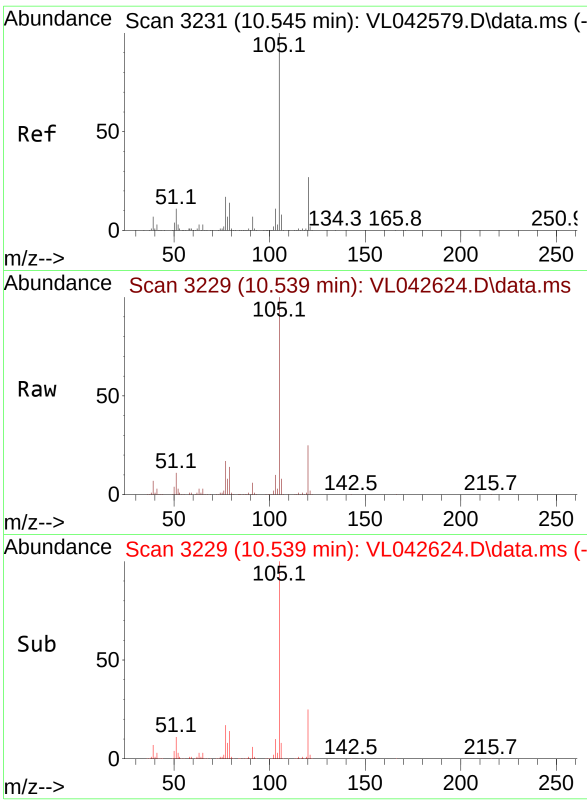
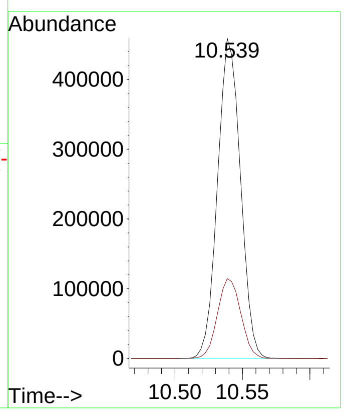


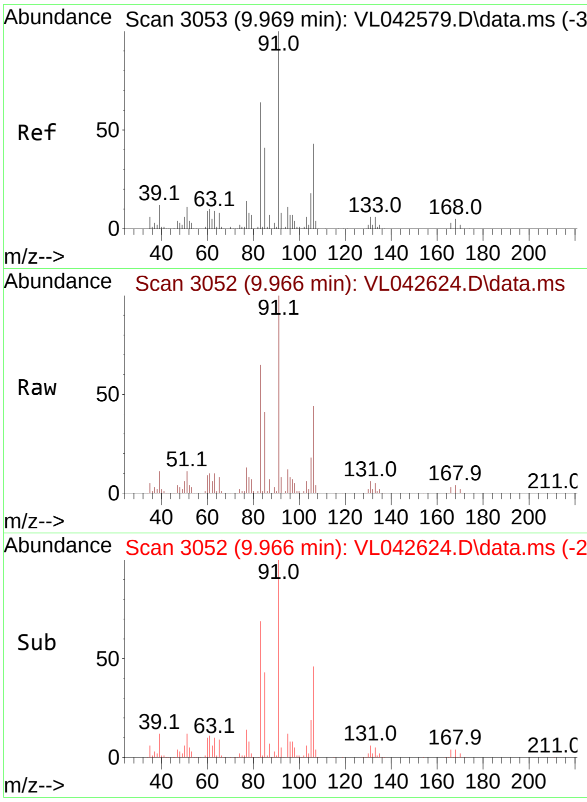


#62
Isopropylbenzene
Concen: 10.613 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 541625

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.9	31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 10.704 ppbv
RT: 9.966 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 83 Resp: 23511

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	63.6	32.5	97.4

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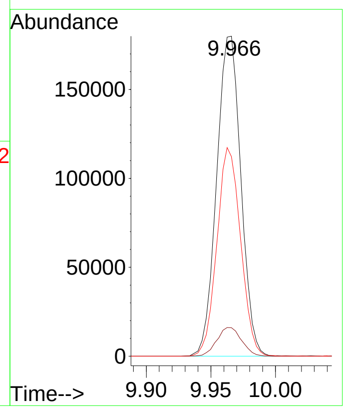
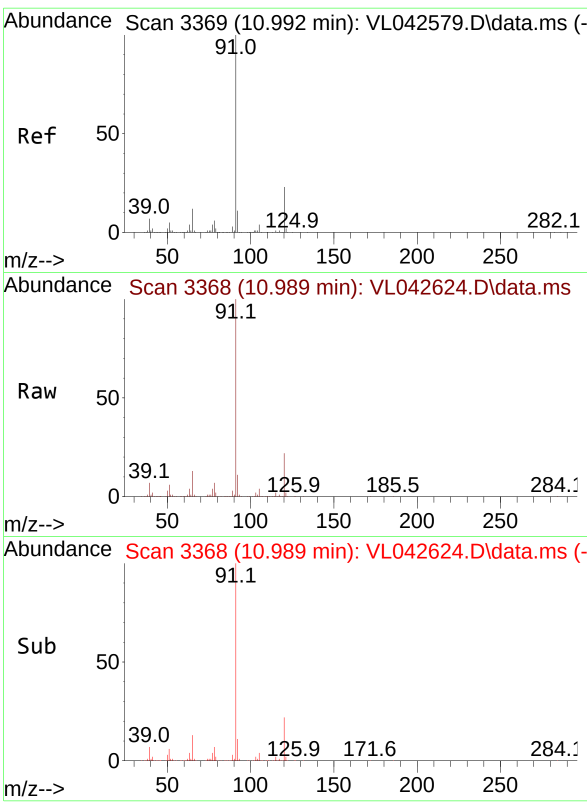
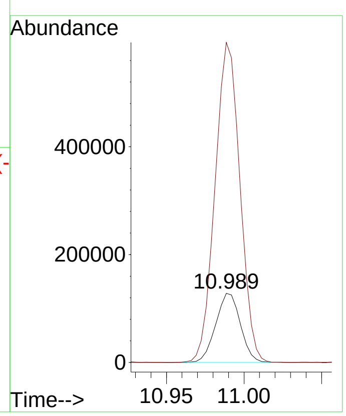


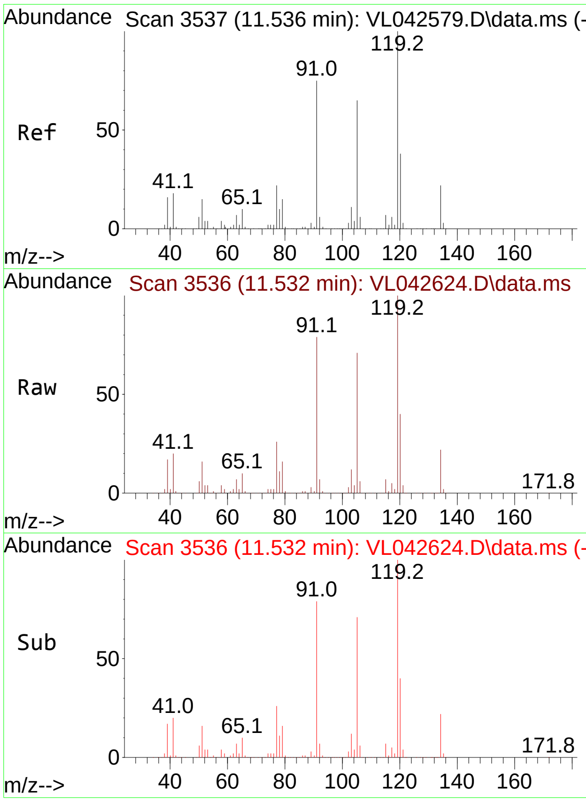


#64
n-propylbenzene
Concen: 10.363 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:120 Resp: 141765

Ion	Ratio	Lower	Upper
120	100		
91	468.6	363.0	544.6

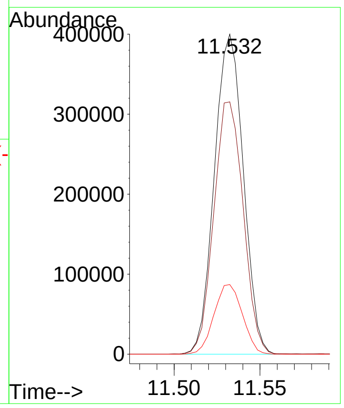




#65
tert-Butylbenzene
Concen: 10.134 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:119 Resp: 46929

Ion	Ratio	Lower	Upper
119	100		
91	80.1	61.1	91.7
134	21.3	17.4	26.2



Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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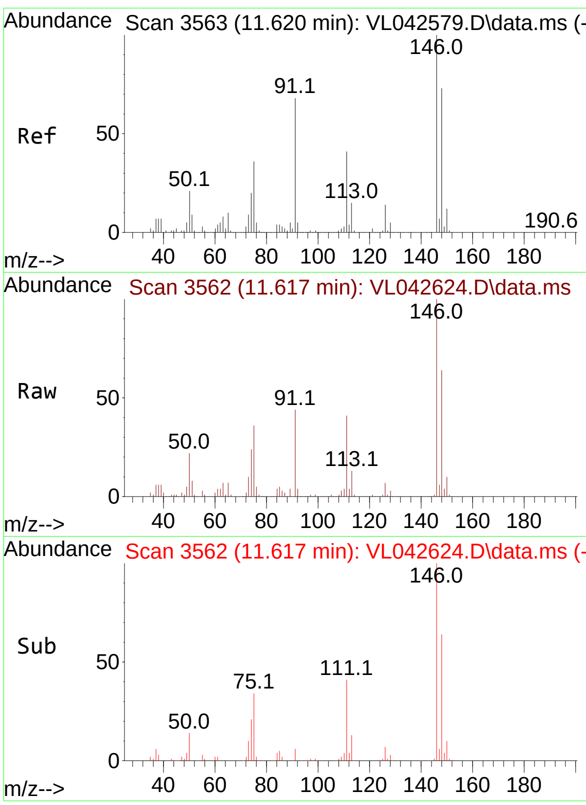
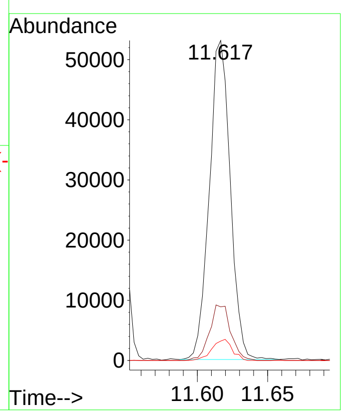
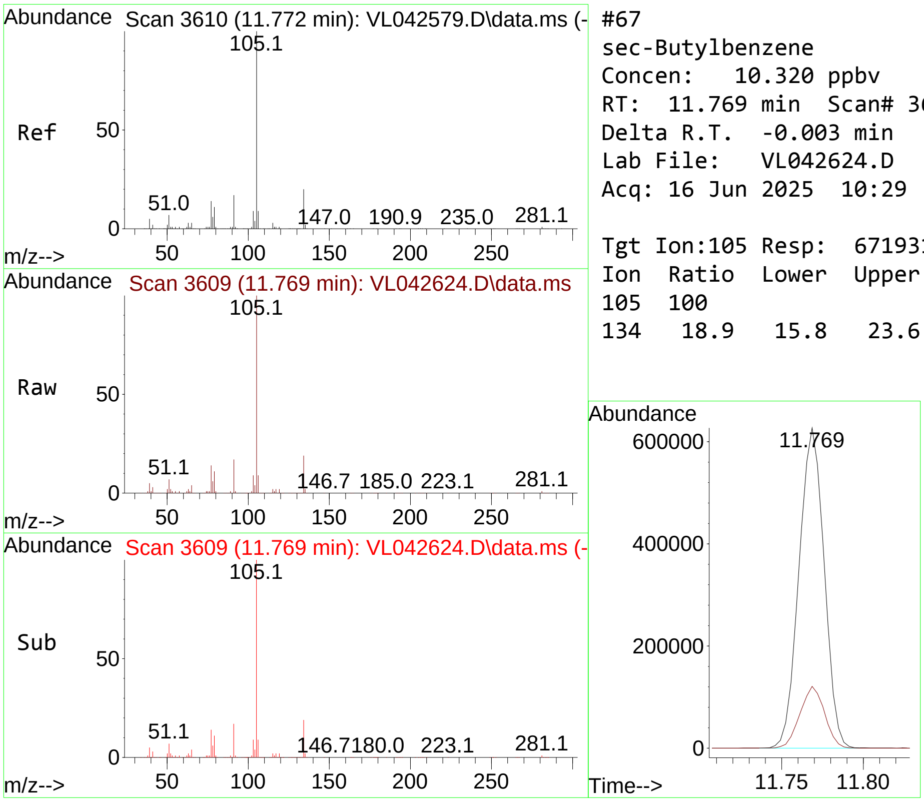


#66
Benzyl Chloride
Concen: 9.221 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 54970

Ion	Ratio	Lower	Upper
91	100		
126	17.6	15.1	22.7
128	6.4	5.0	7.6





#67
sec-Butylbenzene
Concen: 10.320 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 67193

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.8	23.6

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

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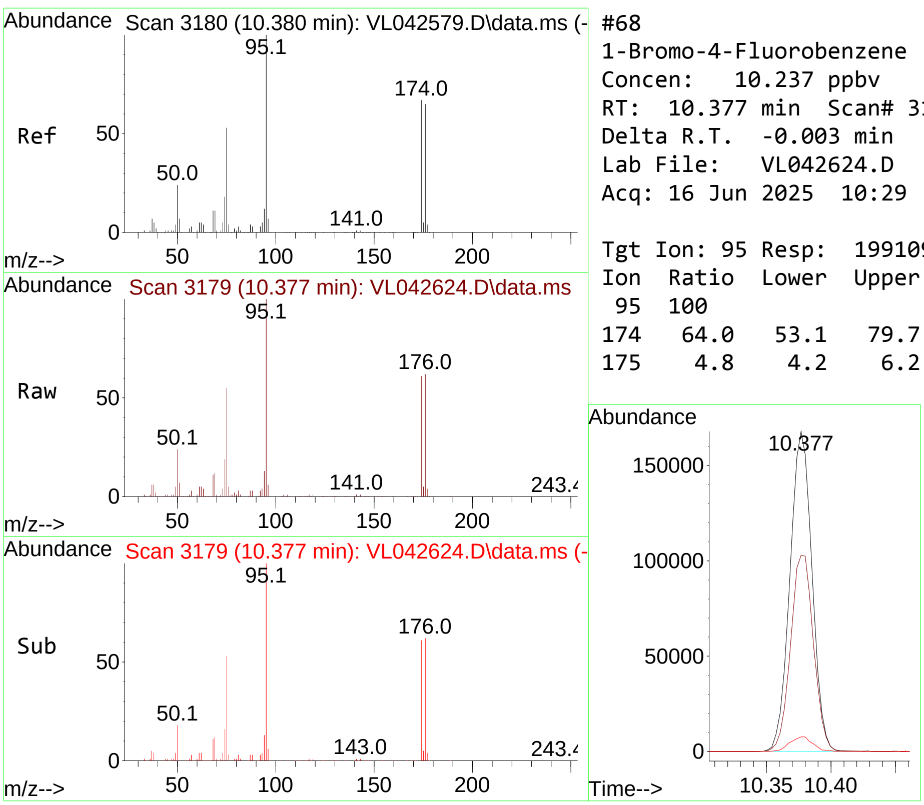
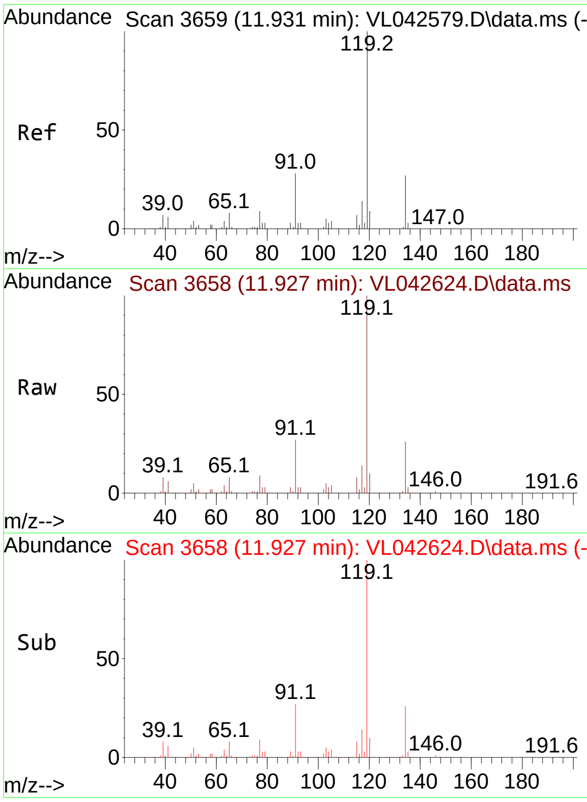


#68
1-Bromo-4-Fluorobenzene
Concen: 10.237 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 95 Resp: 199109

Ion	Ratio	Lower	Upper
95	100		
174	64.0	53.1	79.7
175	4.8	4.2	6.2



#69
p-Isopropyltoluene
Concen: 10.198 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:119 Resp: 55605

Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.1	31.7
91	28.3	21.9	32.9

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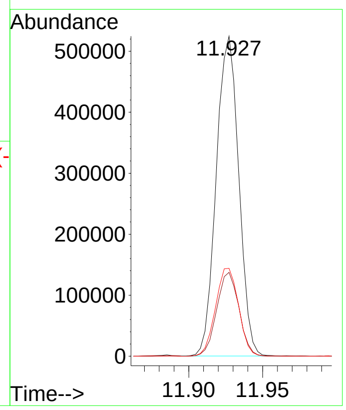
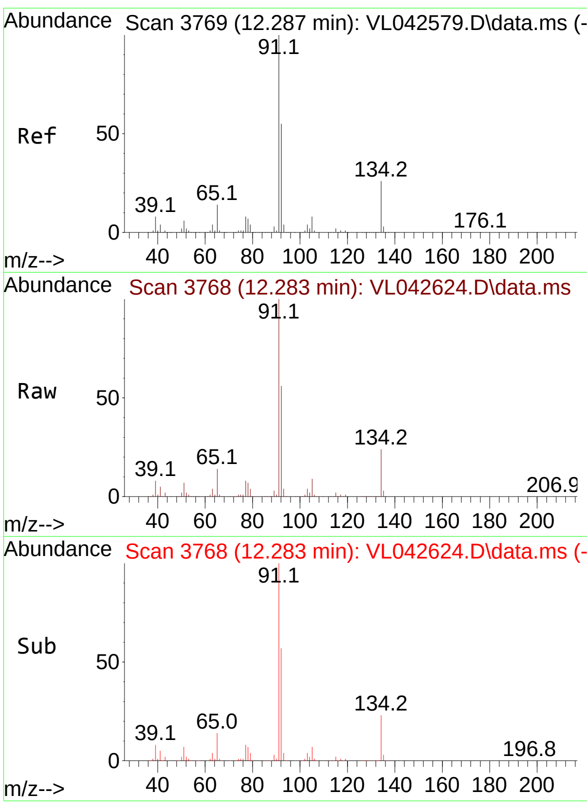
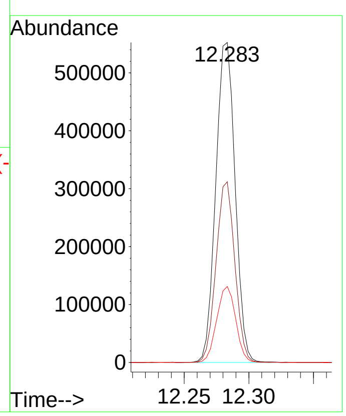


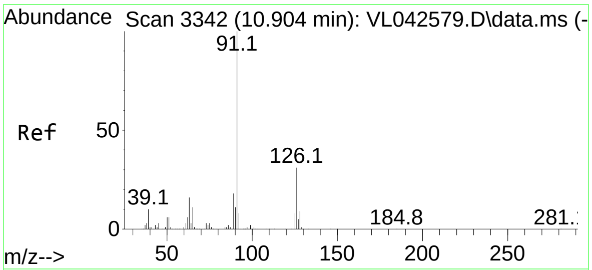


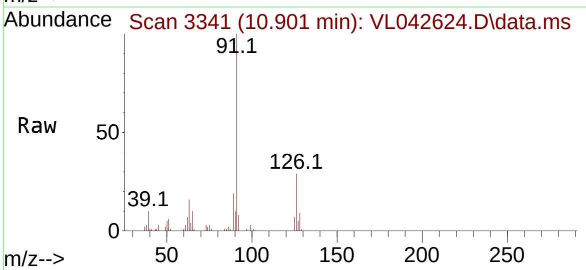
#70
n-Butylbenzene
Concen: 10.653 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

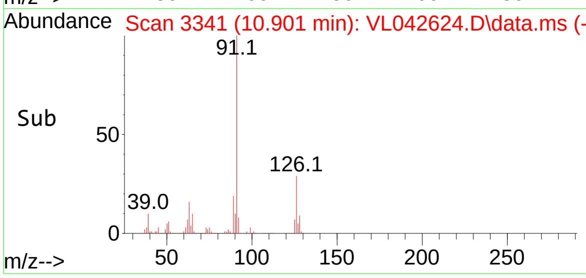
Tgt Ion: 91 Resp: 573365

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.4	66.6
134	23.4	20.1	30.1









#71
2-Chlorotoluene
Concen: 10.535 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

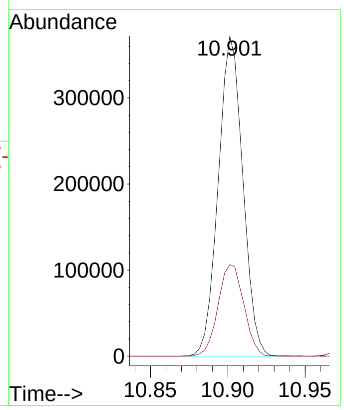
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

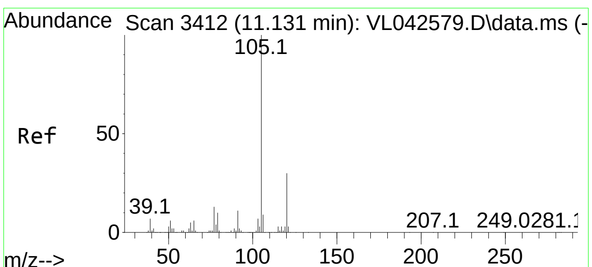
Tgt Ion: 91 Resp: 41009

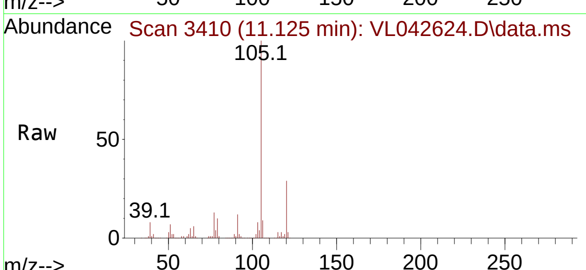
Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.6	50.4

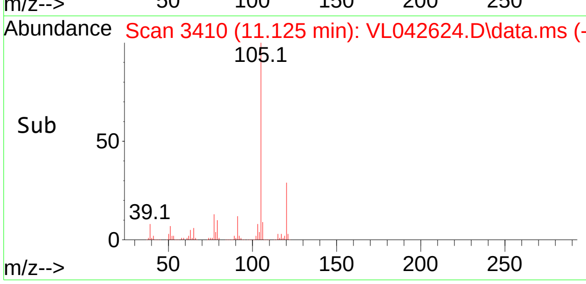
Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





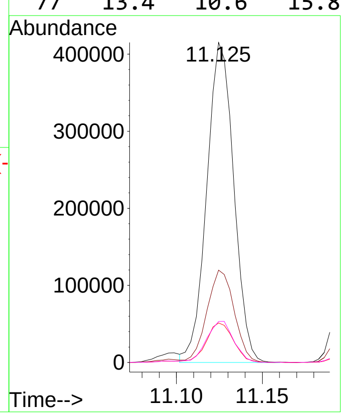


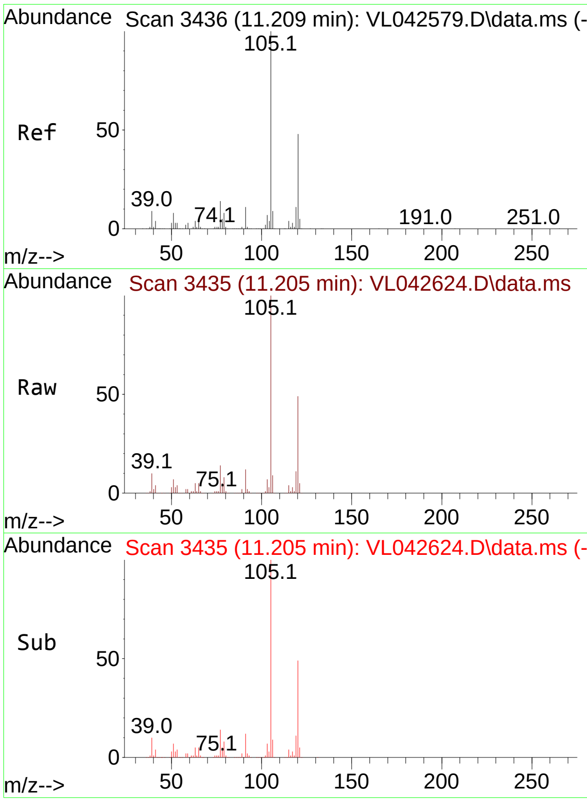


#72
4-Ethyltoluene
Concen: 10.547 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 454234

Ion	Ratio	Lower	Upper
105	100		
120	30.0	24.6	36.8
91	12.9	9.6	14.4
77	13.4	10.6	15.8





#73
1,3,5-Trimethylbenzene
Concen: 10.597 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

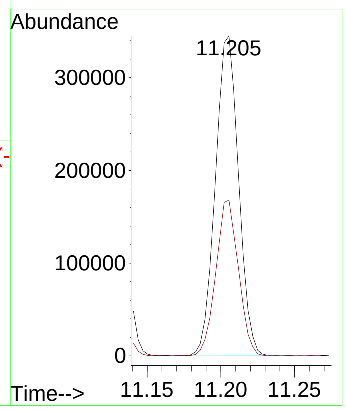
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

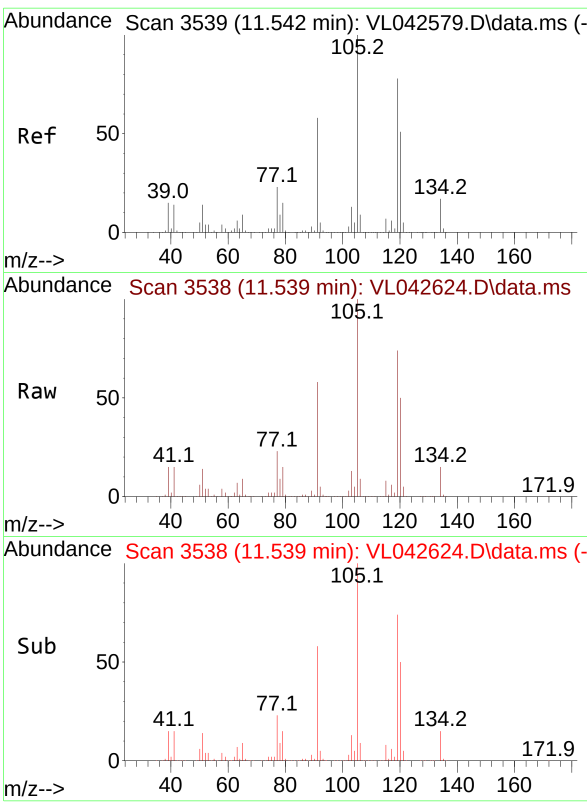
Tgt Ion:105 Resp: 37770

Ion	Ratio	Lower	Upper
105	100		
120	48.7	38.8	58.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

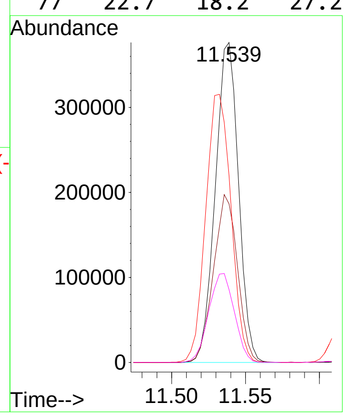


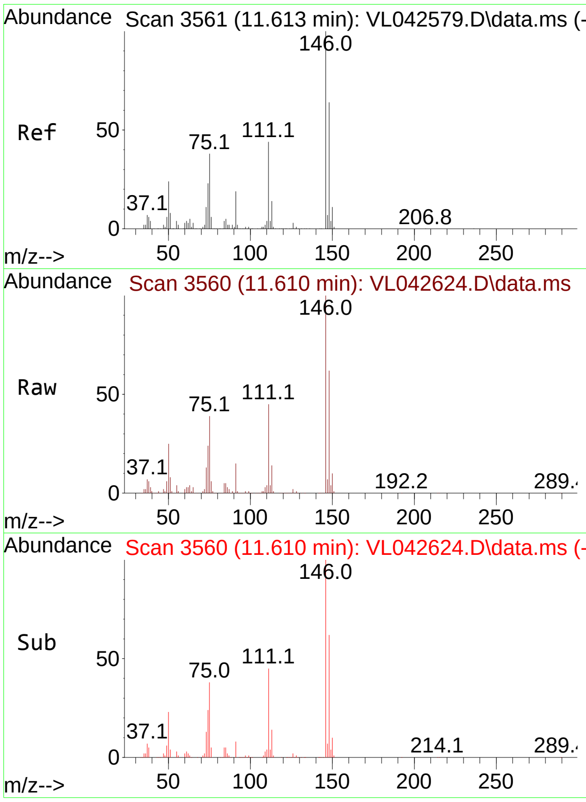


#74
1,2,4-Trimethylbenzene
Concen: 10.399 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 411337

Ion	Ratio	Lower	Upper
105	100		
120	49.5	40.8	61.2
91	58.4	46.8	70.2
77	22.7	18.2	27.2





#75
1,3-Dichlorobenzene
Concen: 10.351 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

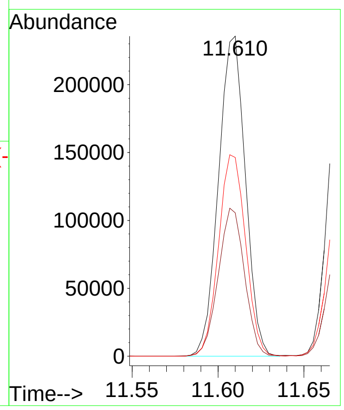
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

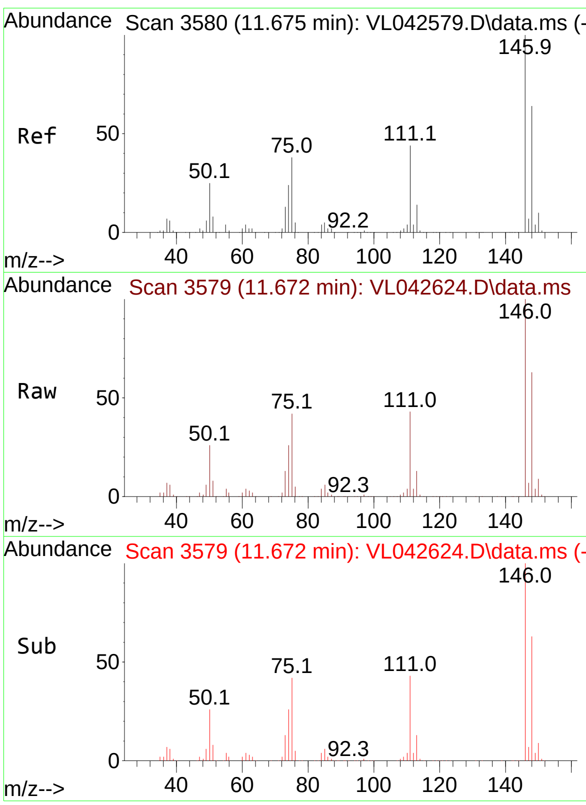
Tgt Ion:146 Resp: 25711

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.4	67.3
148	63.3	32.0	96.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

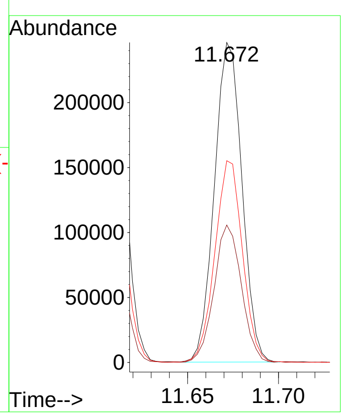


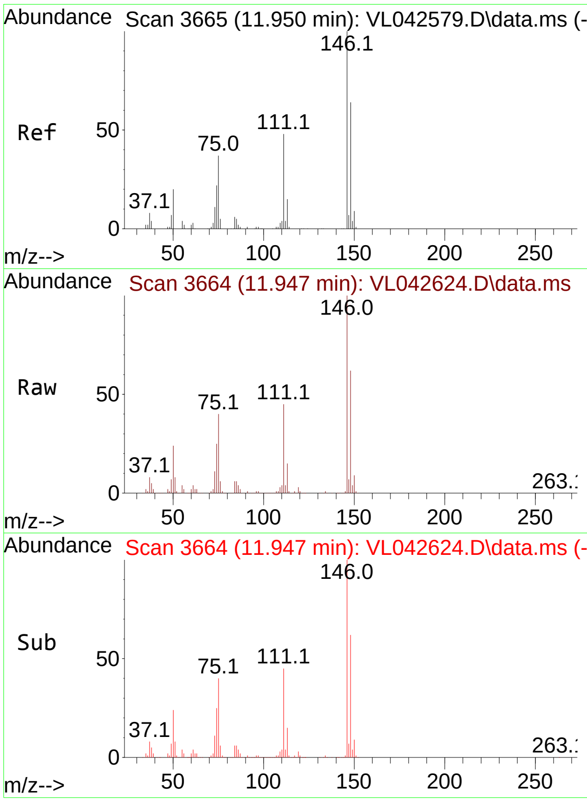


#76
1,4-Dichlorobenzene
Concen: 10.470 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:146 Resp: 259390

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.5	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 10.374 ppbv
RT: 11.947 min Scan# 3

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

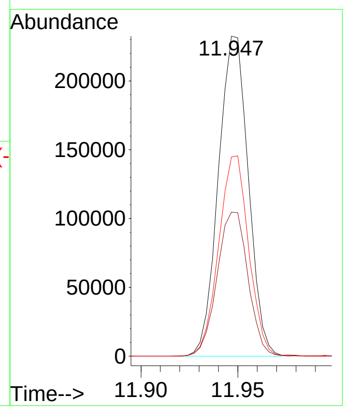
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

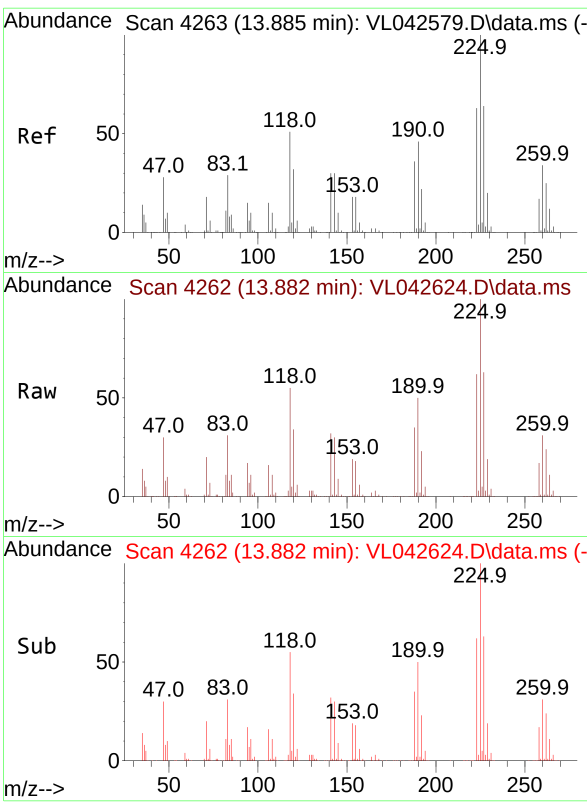
Tgt Ion:146 Resp: 25009

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.3
148	62.9	32.1	96.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

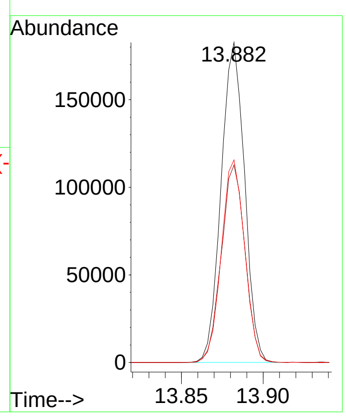


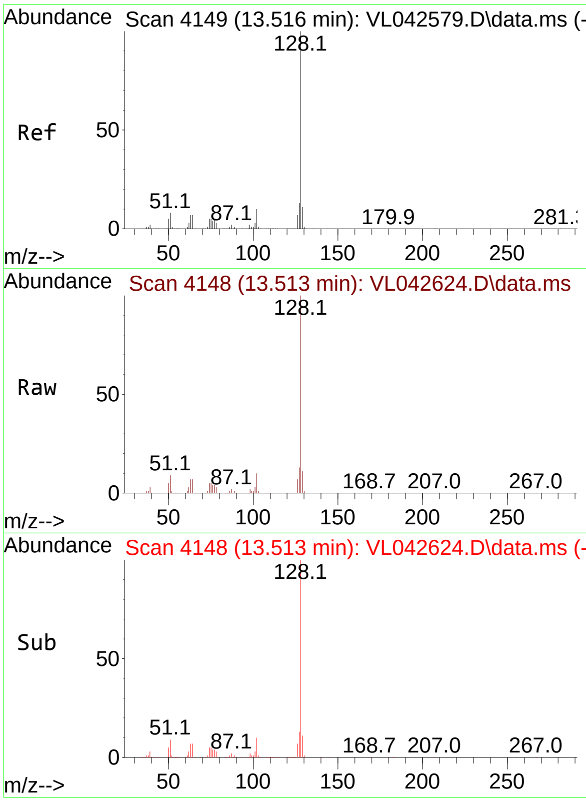


#78
Hexachloro-1,3-Butadiene
Concen: 9.142 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:225 Resp: 182353

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.4
227	63.1	51.1	76.7





#79
Naphthalene
Concen: 10.847 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

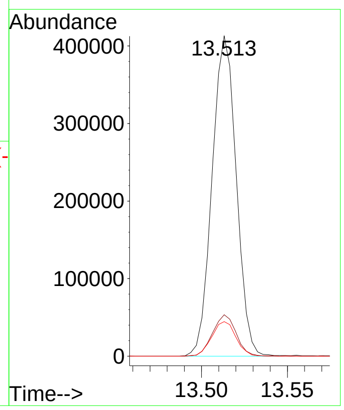
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

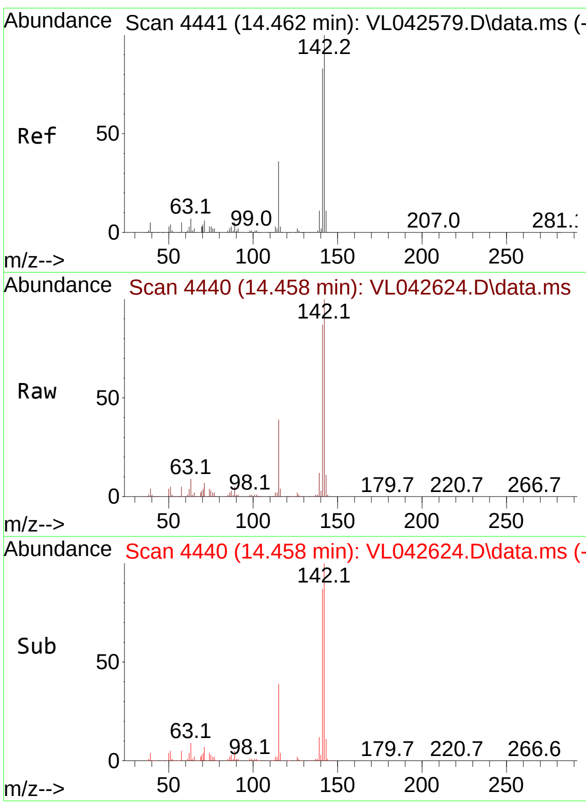
Tgt Ion:128 Resp: 40442

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

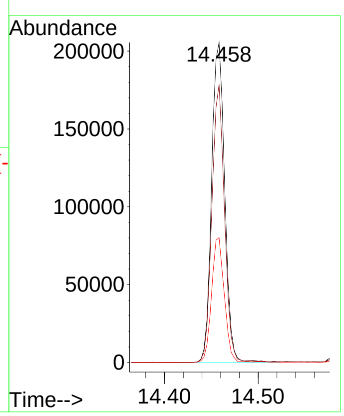


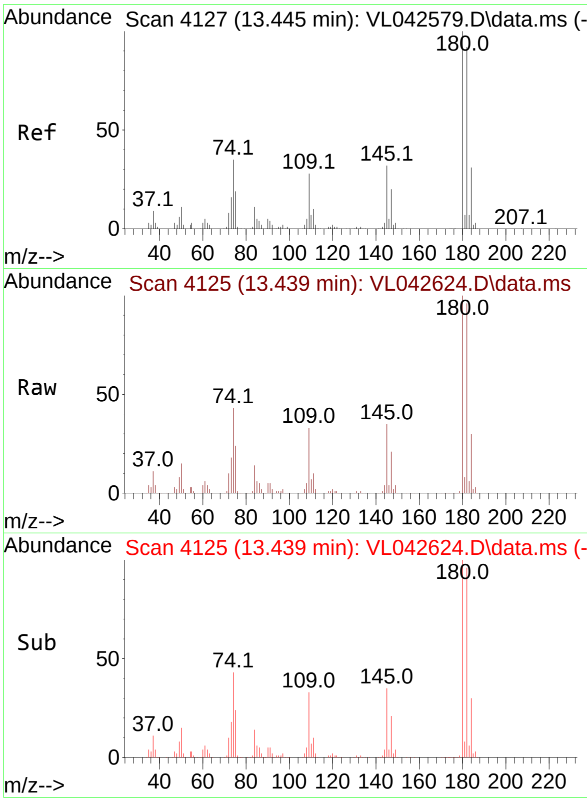


#80
Naphthalene,2-methyl-
Concen: 11.863 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:142 Resp: 199834

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.2	99.4
115	38.2	28.3	42.5

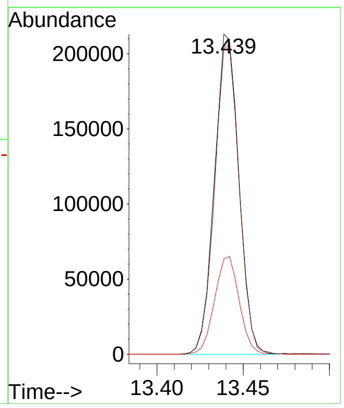




#81
1,2,4-Trichlorobenzene
Concen: 10.105 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:180 Resp: 210333

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.4
184	30.7	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042627.D
Acq On : 16 Jun 2025 14:01
Operator : SY/MD
Sample : Q2317-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 03:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
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	2.784	49	104604	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	283556	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	252613	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	194543	10.273	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	6247	0.486	ppbv	95
3) Chlorodifluoromethane	1.476	51	6508m	0.368	ppbv	
4) Chloromethane	1.531	50	2768	0.544	ppbv	91
9) Propene	1.486	41	5228	0.733	ppbv	95
10) Heptane	4.978	43	2963m	0.147	ppbv	
11) Trichlorofluoromethane	1.877	101	3327	0.278	ppbv	97
13) Ethanol	1.719	45	14346	16.882	ppbv	94
15) Acetone	1.835	43	134074	10.641	ppbv	97
19) Isopropyl Alcohol	1.887	45	7289	0.968	ppbv #	1
20) Methylene Chloride	2.062	84	13551	3.259	ppbv	94
26) Hexane	2.826	57	77534	4.949	ppbv #	43
34) 2-Butanone	2.560	43	12371	0.612	ppbv	96
35) Carbon Tetrachloride	3.761	117	1470m	0.079	ppbv	
36) Benzene	3.651	78	8632	0.309	ppbv #	91
44) 2,2,4-Trimethylpentane	4.638	57	8510m	0.178	ppbv	
50) 4-Methyl-2-Pentanone	5.771	43	5141m	0.183	ppbv	
53) Toluene	6.927	91	15439m	0.478	ppbv	
58) Ethyl Benzene	9.354	91	4800	0.112	ppbv #	86
59) m/p-Xylene	9.526	91	17094	0.507	ppbv	96
60) o-Xylene	9.963	91	7978	0.237	ppbv	94
61) Styrene	9.869	104	2265	0.142	ppbv	91
74) 1,2,4-Trimethylbenzene	11.532	105	6660	0.173	ppbv #	70

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

Quantitation Report (QT Reviewed)

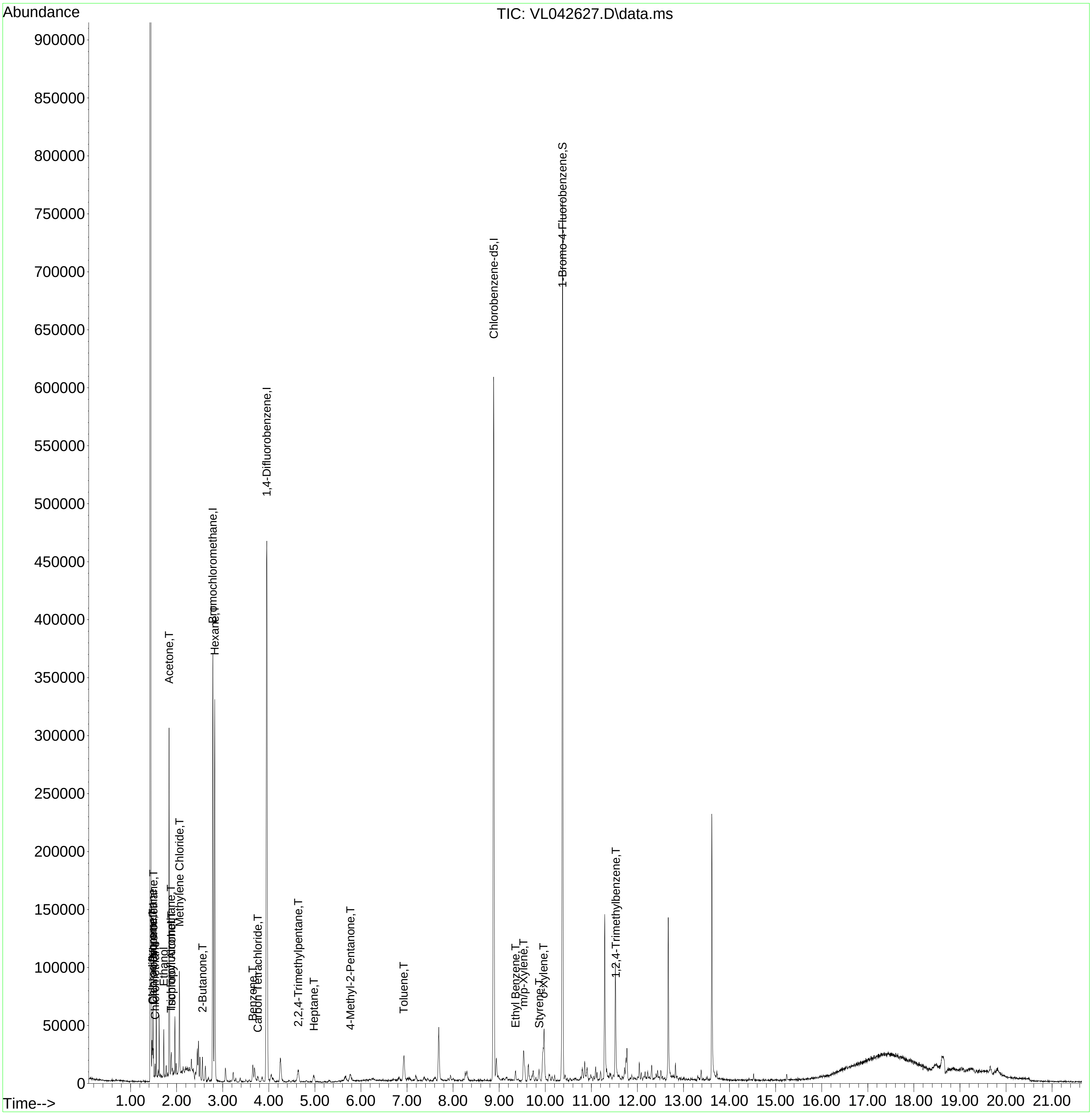
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042627.D
Acq On : 16 Jun 2025 14:01
Operator : SY/MD
Sample : Q2317-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

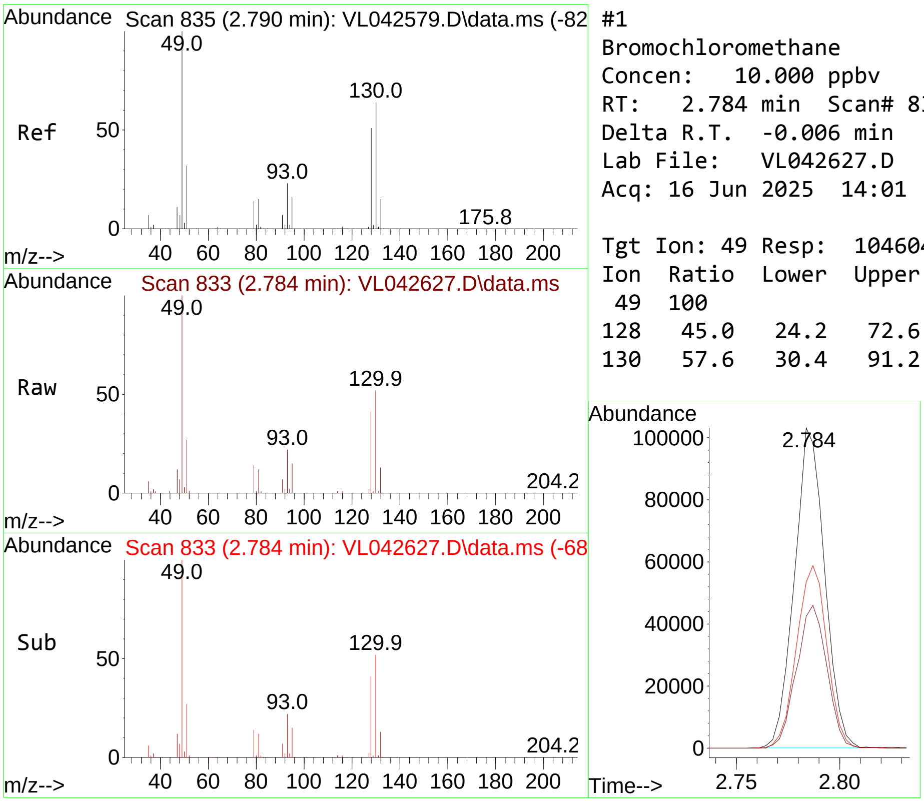
Quant Time: Jun 17 03:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





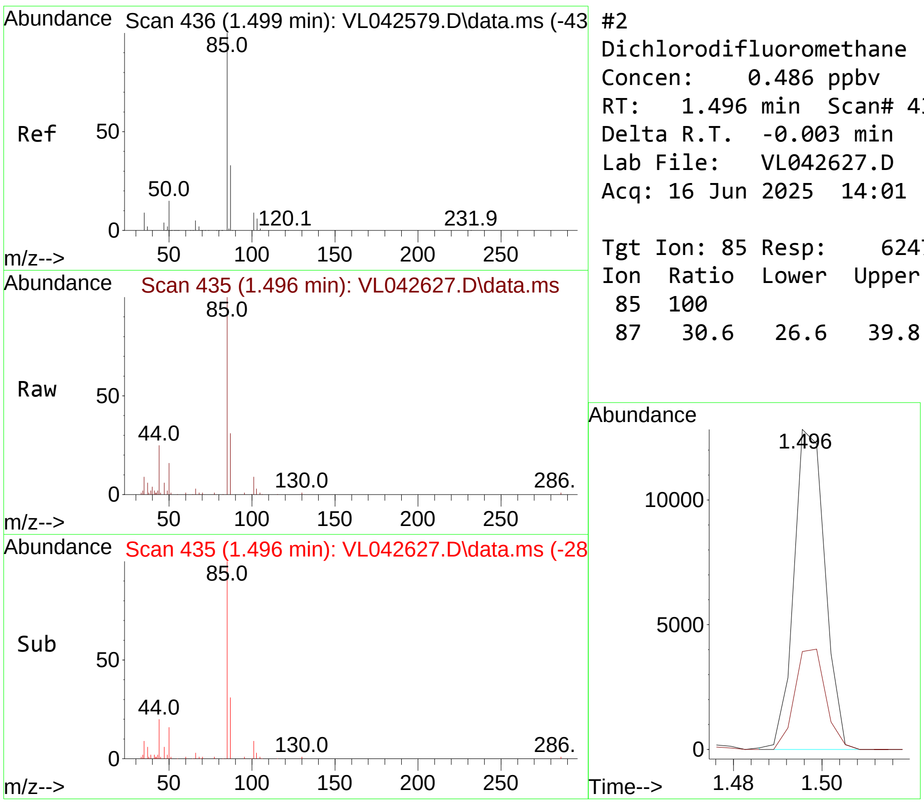
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 49 Resp: 104604

Ion	Ratio	Lower	Upper
49	100		
128	45.0	24.2	72.6
130	57.6	30.4	91.2

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

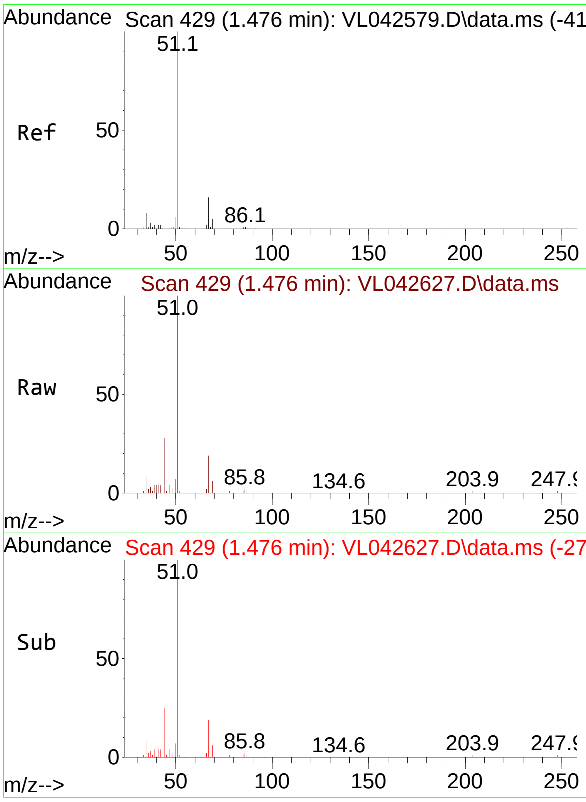
Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#2
Dichlorodifluoromethane
Concen: 0.486 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 85 Resp: 6247

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.6	39.8



#3
Chlorodifluoromethane
Concen: 0.368 ppbv m
RT: 1.476 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

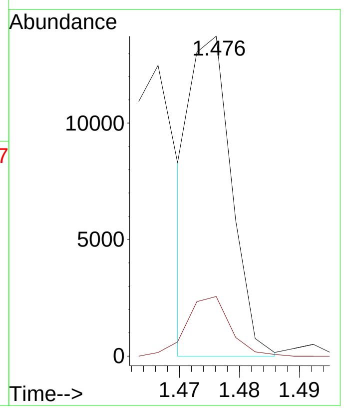
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

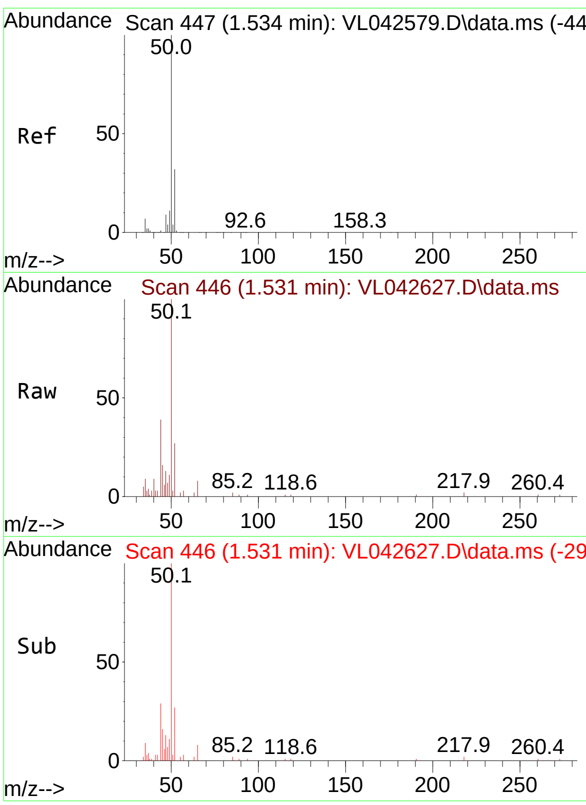
Tgt Ion: 51 Resp: 650

Ion	Ratio	Lower	Upper
51	100		
67	21.2	13.4	20.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

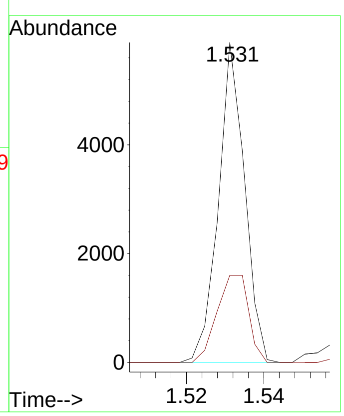


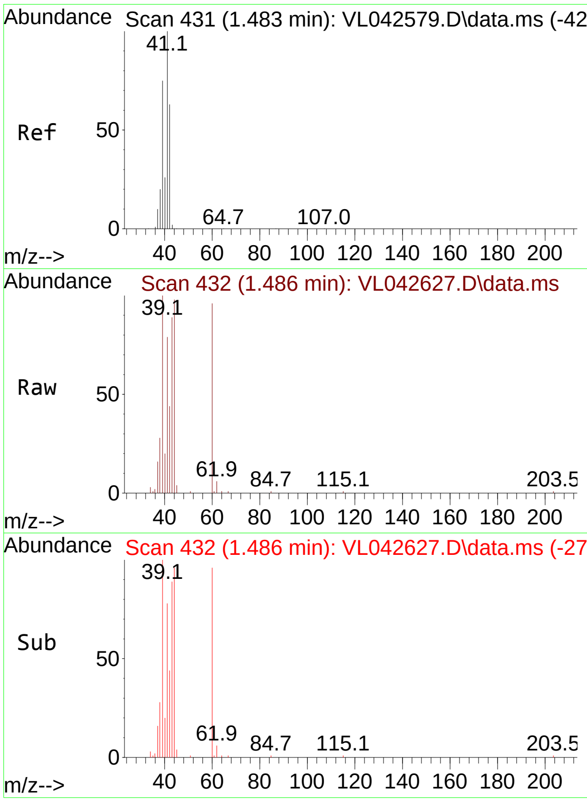


#4
Chloromethane
Concen: 0.544 ppbv
RT: 1.531 min   Scan# 446
Delta R.T.   -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Tgt Ion: 50 Resp: 2768

Ion	Ratio	Lower	Upper
50	100		
52	27.3	25.8	38.6





#9
Propene
Concen: 0.733 ppbv
RT: 1.486 min   Scan# 4
Delta R.T.   0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

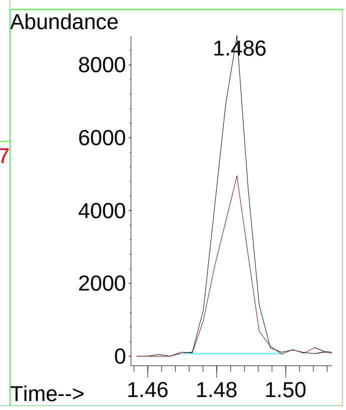
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

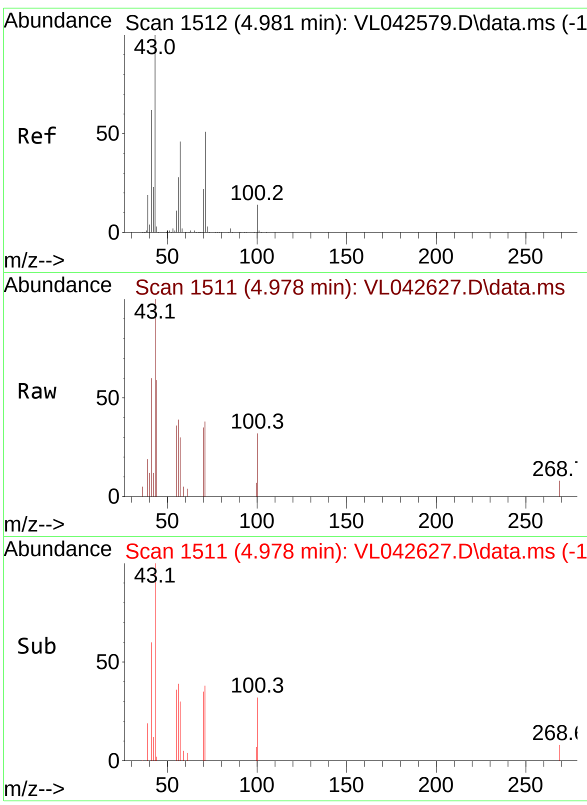
Tgt Ion: 41 Resp: 522

Ion	Ratio	Lower	Upper
41	100		
42	62.4	53.3	79.9

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   06/17/2025
Supervised By :Mahesh Dadoda   06/17/2025

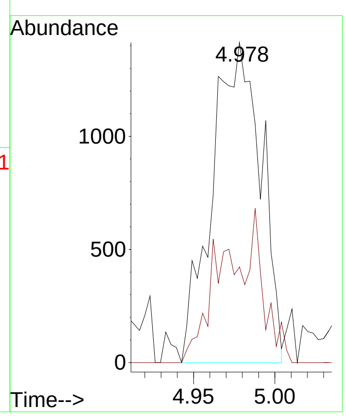


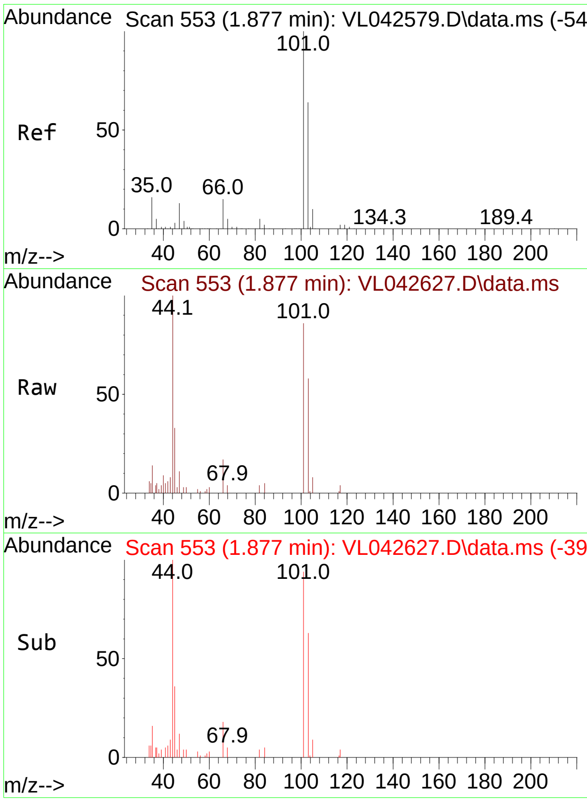


#10
Heptane
Concen: 0.147 ppbv m
RT: 4.978 min   Scan# 1511
Delta R.T.   -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Tgt Ion: 43 Resp: 2963

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#





#11
Trichlorofluoromethane
Concen: 0.278 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

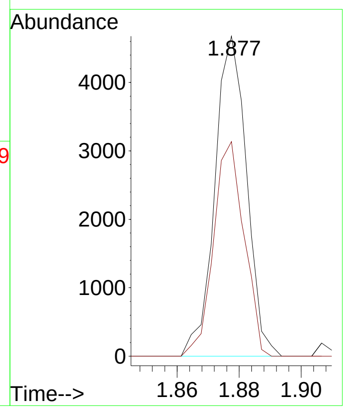
Tgt Ion:101 Resp: 332

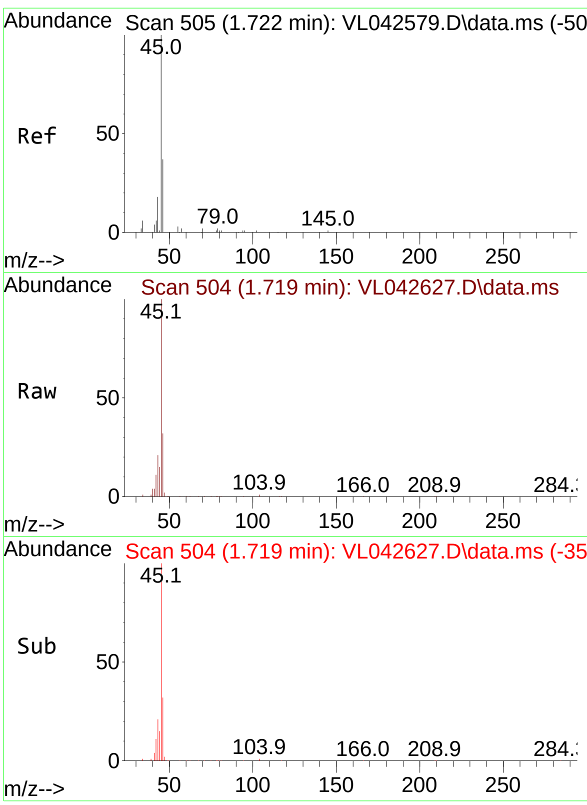
Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.5	77.3

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

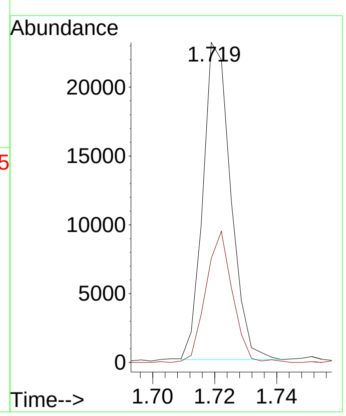


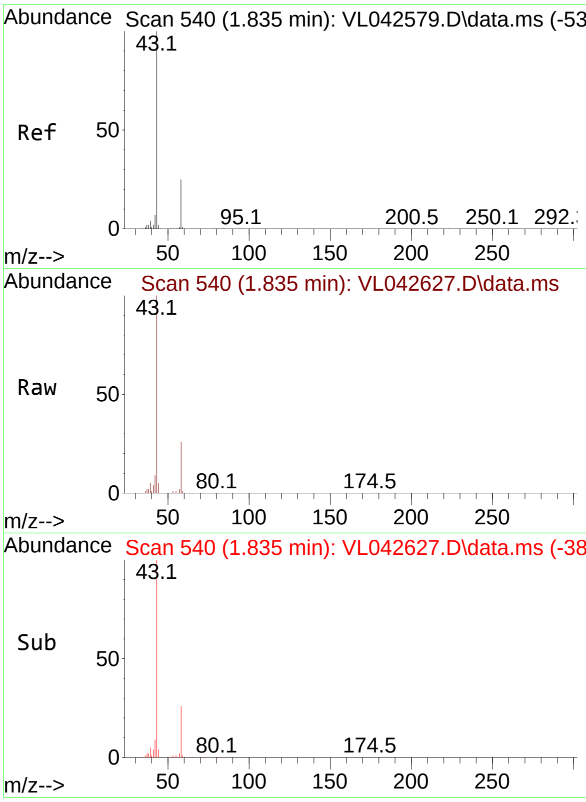


#13
Ethanol
Concen: 16.882 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 45 Resp: 14346

Ion	Ratio	Lower	Upper
45	100		
46	39.8	14.5	58.1





#15
Acetone
Concen: 10.641 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 13407
Ion Ratio Lower Upper
43 100
58 24.4 21.0 31.4

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

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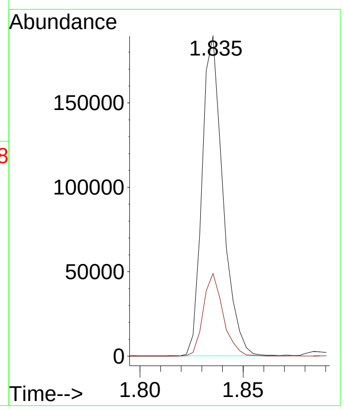
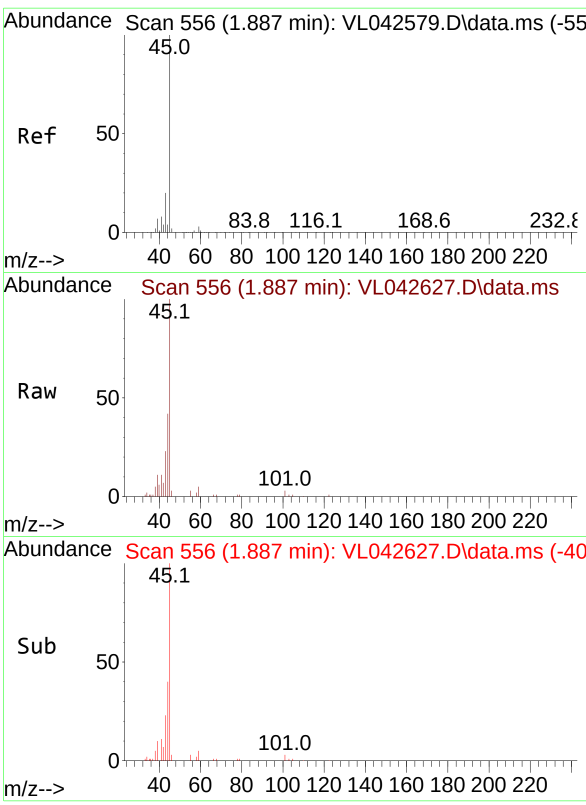
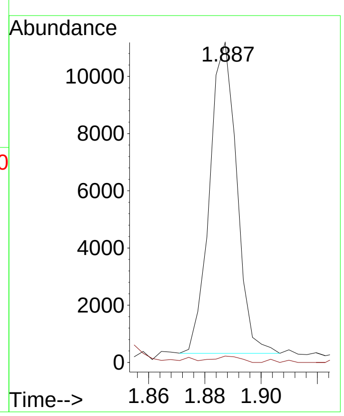
Supervised By :Mahesh Dadoda 06/17/2025

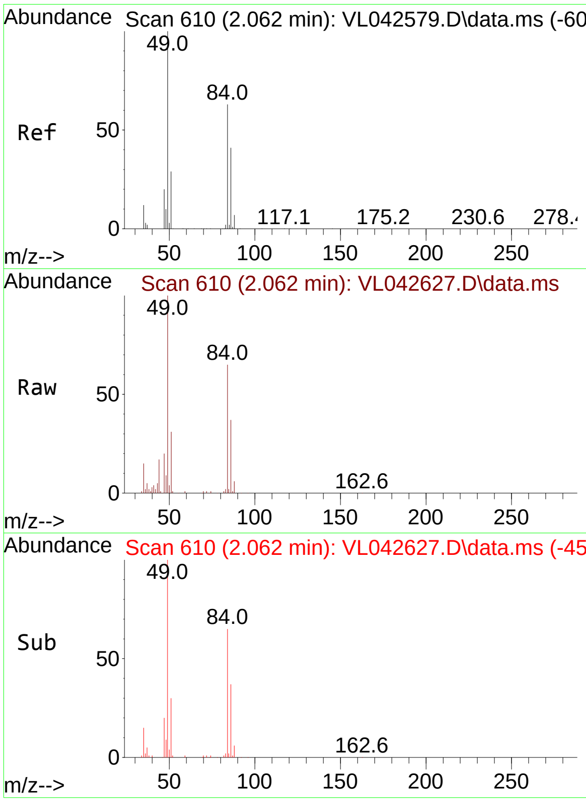




#19
Isopropyl Alcohol
Concen: 0.968 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 45 Resp: 7289
Ion Ratio Lower Upper
45 100
58 449.1 29.4 44.2#





#20
Methylene Chloride
Concen: 3.259 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

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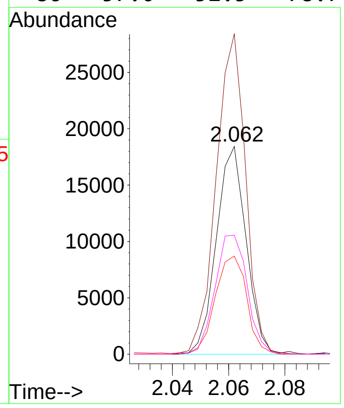
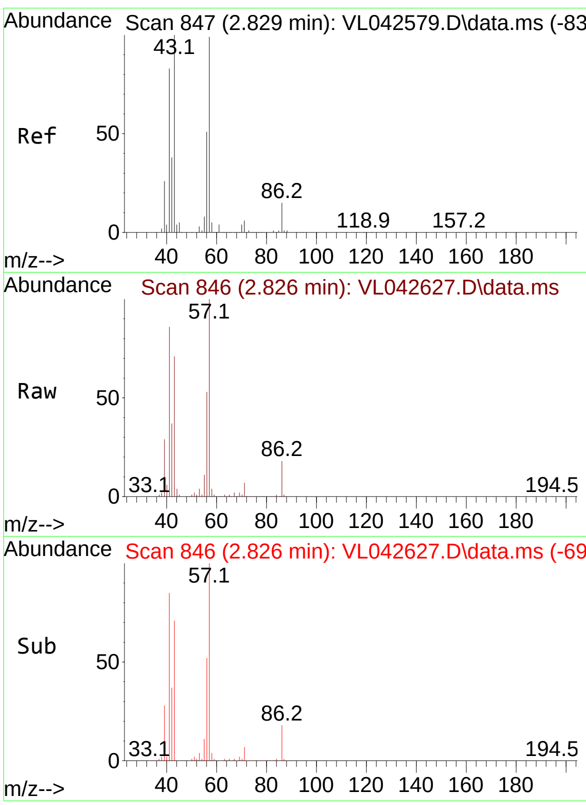
Supervised By :Mahesh Dadoda 06/17/2025

Tgt Ion: 84 Resp: 1355

Ion	Ratio	Lower	Upper
84	100		
49	153.4	128.8	193.2
51	47.2	38.6	57.8
86	57.0	52.5	78.7

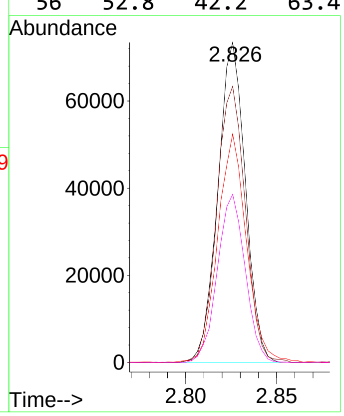


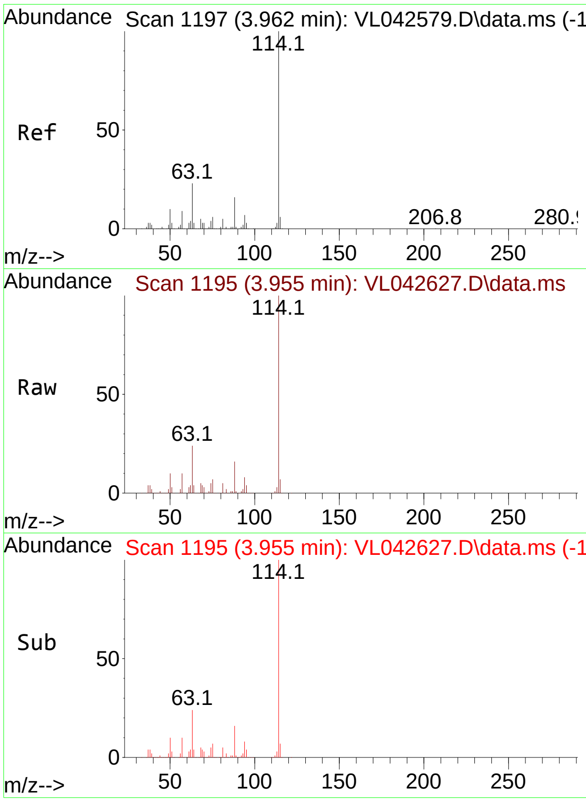


#26
Hexane
Concen: 4.949 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 57 Resp: 77534

Ion	Ratio	Lower	Upper
57	100		
41	89.4	70.6	106.0
43	74.5	181.1	271.7#
56	52.8	42.2	63.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion:114 Resp: 28355

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.0	28.6
88	17.5	13.6	20.4

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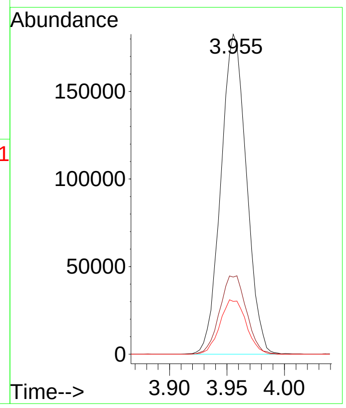
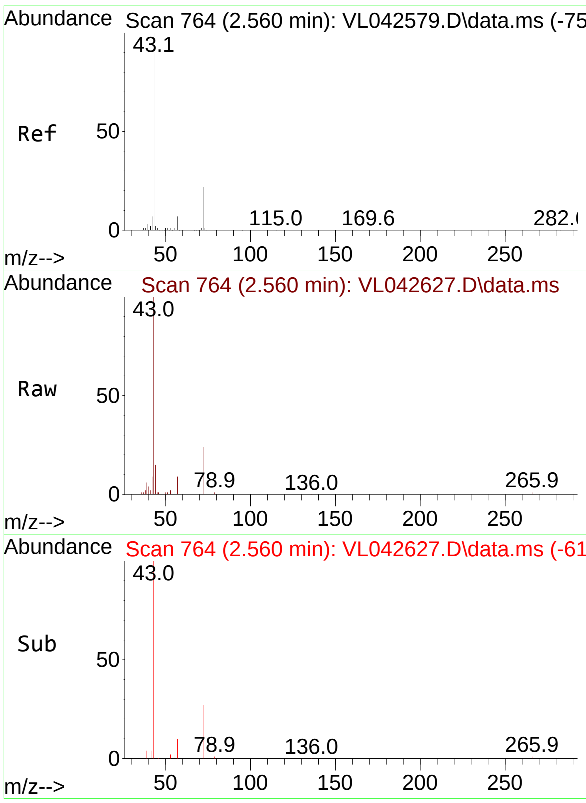
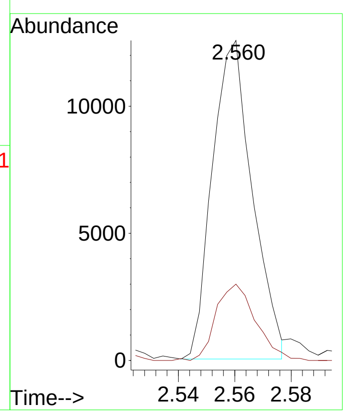


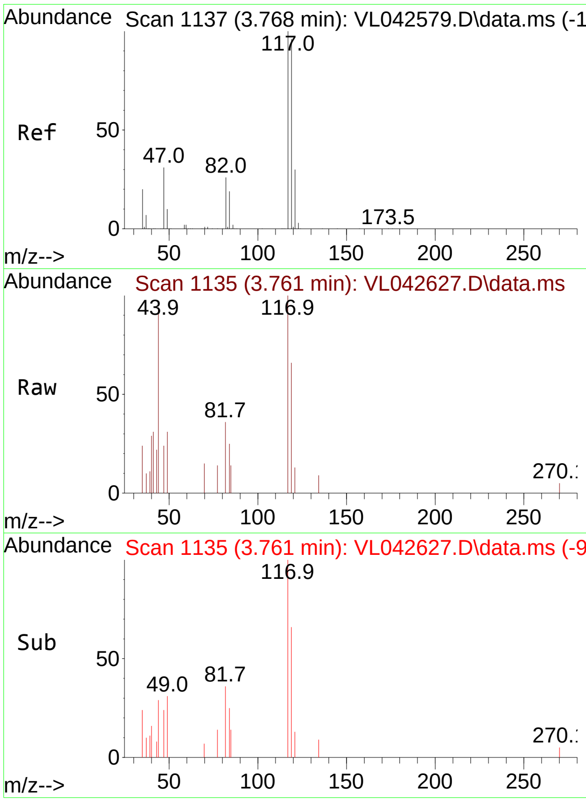


#34
2-Butanone
Concen: 0.612 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 12371

Ion	Ratio	Lower	Upper
43	100		
72	23.8	17.7	26.5





#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 3.761 min Scan# 1:
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion:117 Resp: 147(

Ion	Ratio	Lower	Upper
117	100		
119	65.8	76.8	115.2#
121	12.6	24.3	36.5#

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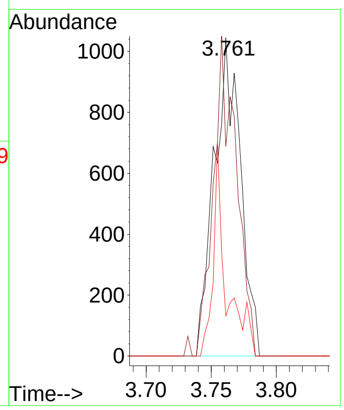
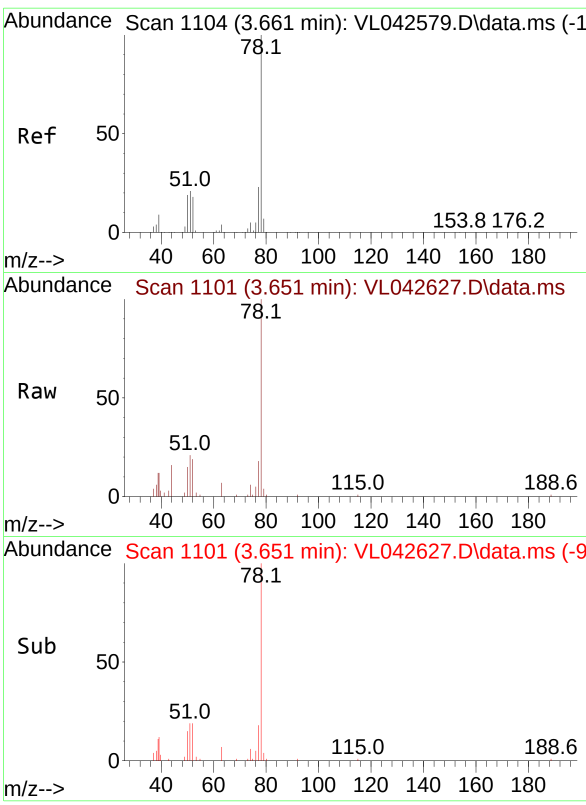
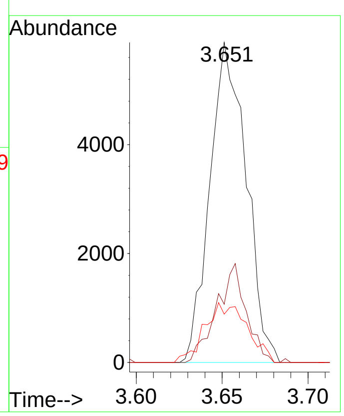


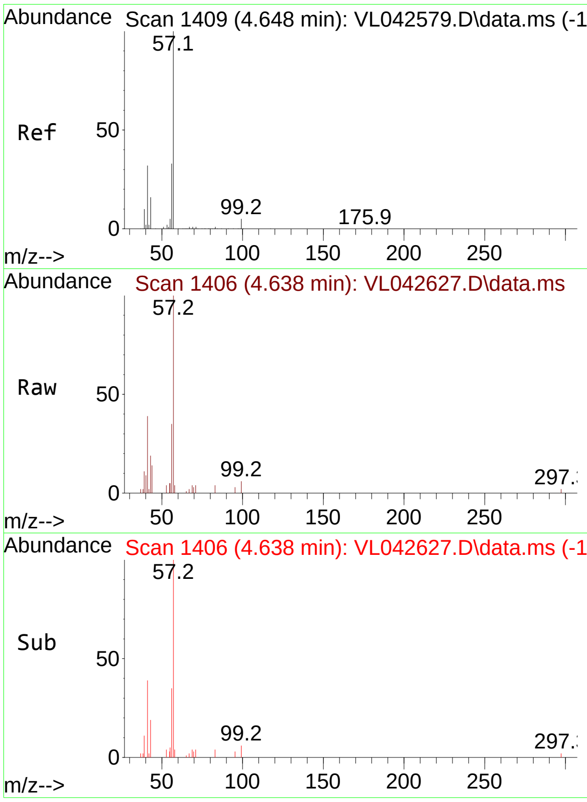


#36
Benzene
Concen: 0.309 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 78 Resp: 8632

Ion	Ratio	Lower	Upper
78	100		
77	18.2	18.2	27.2
50	15.1	15.2	22.8#





#44
2,2,4-Trimethylpentane
Concen: 0.178 ppbv m
RT: 4.638 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 57 Resp: 851(

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	25.9	38.9#

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

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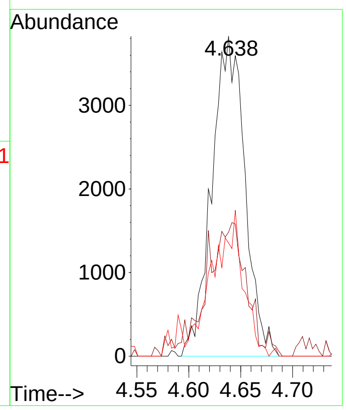
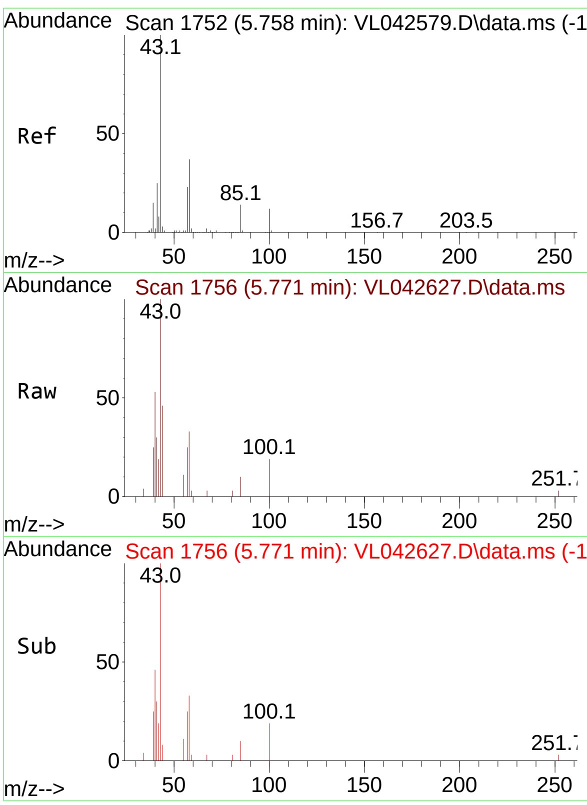
Supervised By :Mahesh Dadoda 06/17/2025

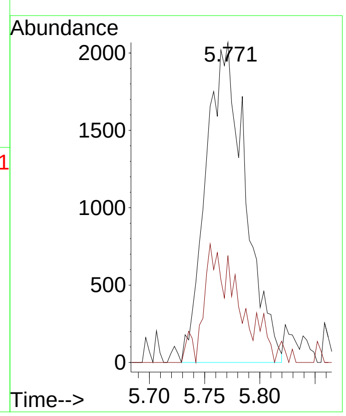


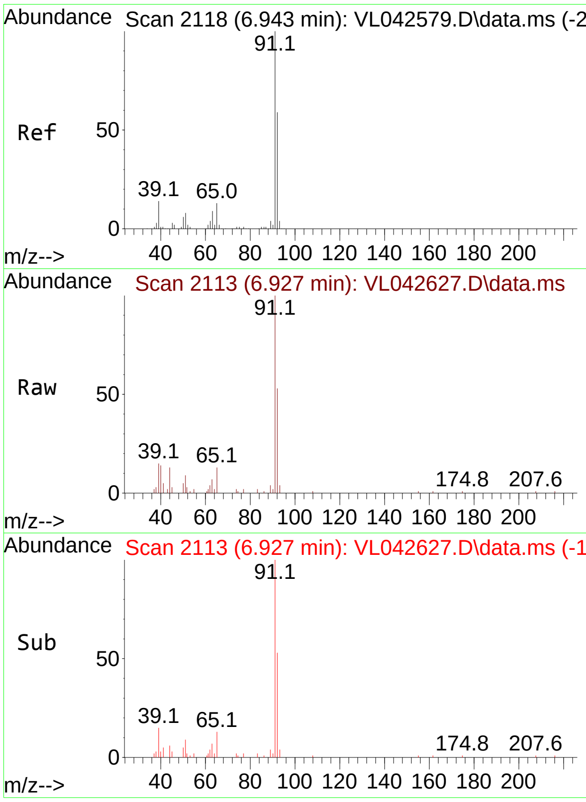


#50
4-Methyl-2-Pentanone
Concen: 0.183 ppbv m
RT: 5.771 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 5141

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.3	42.5





#53
Toluene
Concen: 0.478 ppbv m
RT: 6.927 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 91 Resp: 1543

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

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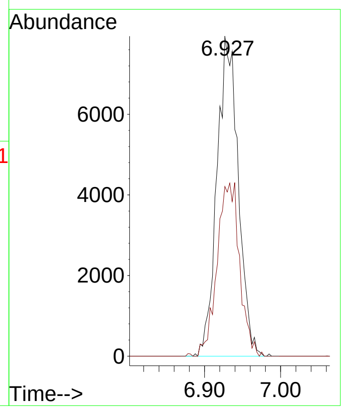
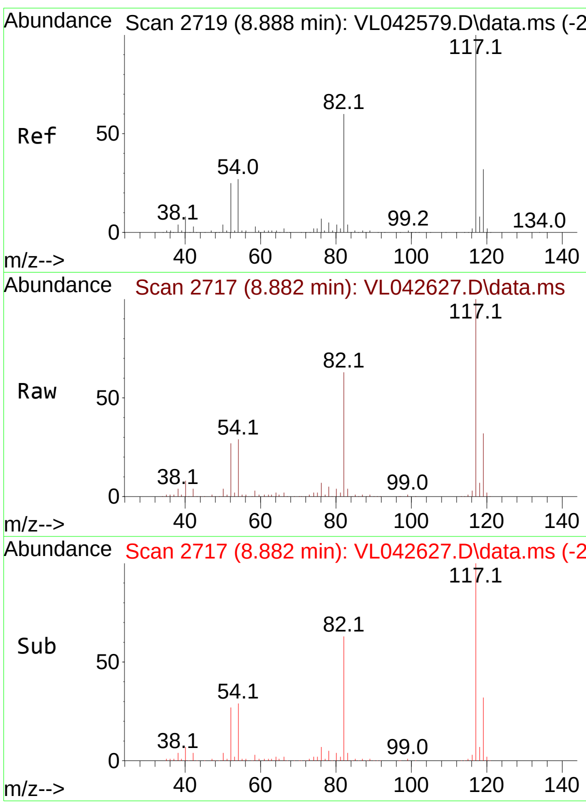
Supervised By :Mahesh Dadoda 06/17/2025

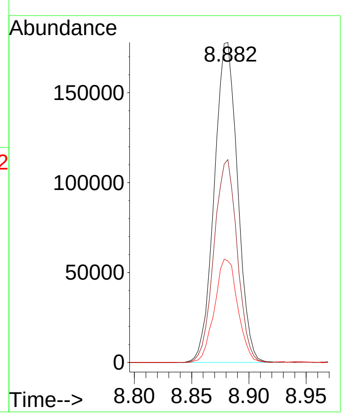


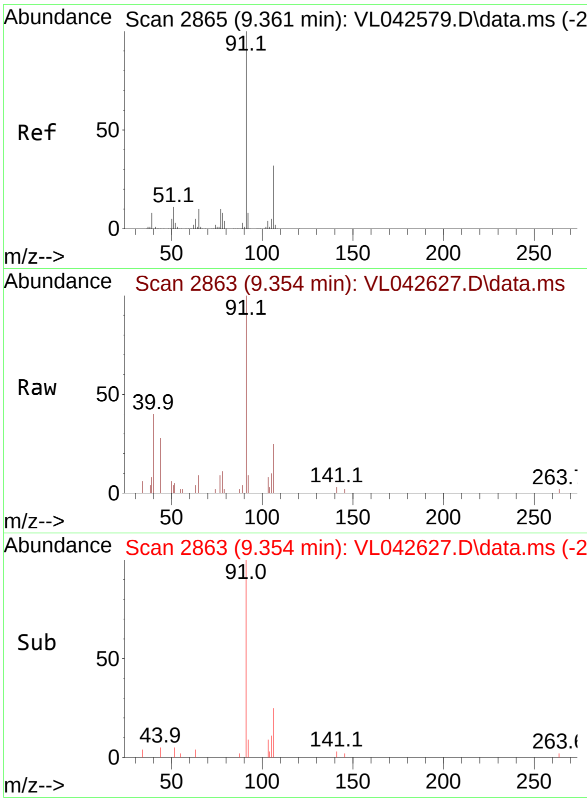


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:117 Resp: 252613

Ion	Ratio	Lower	Upper
117	100		
82	63.2	51.2	76.8
119	32.3	26.3	39.5





#58
Ethyl Benzene
Concen: 0.112 ppbv
RT: 9.354 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 91 Resp: 480
Ion Ratio Lower Upper
91 100
106 24.8 25.9 38.9

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

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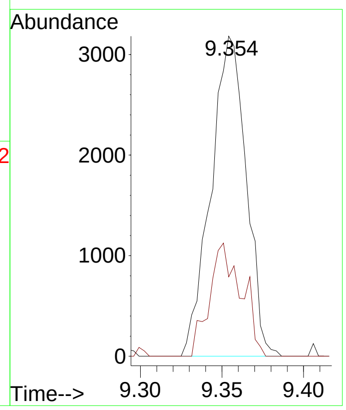
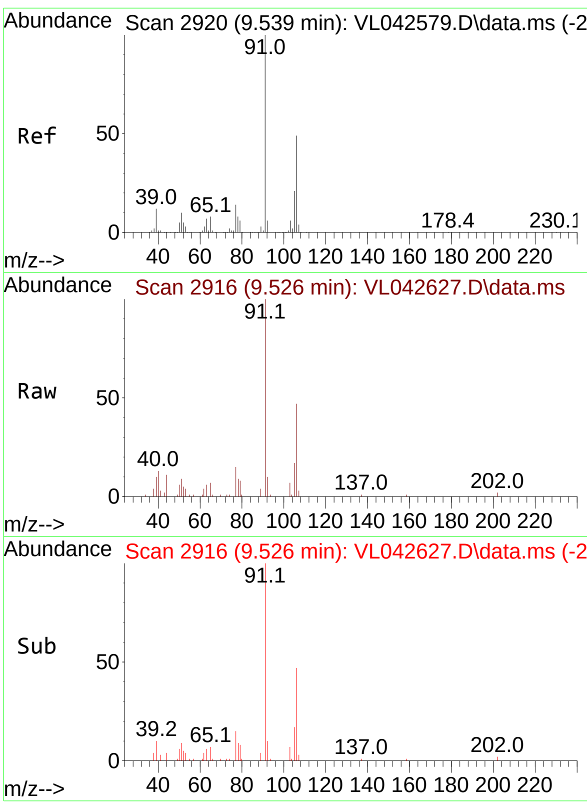
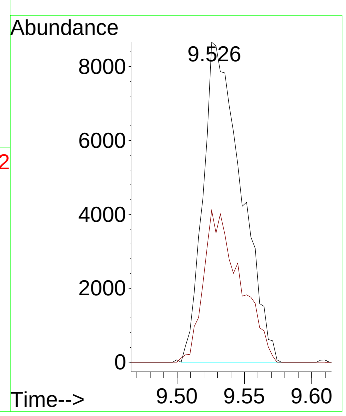
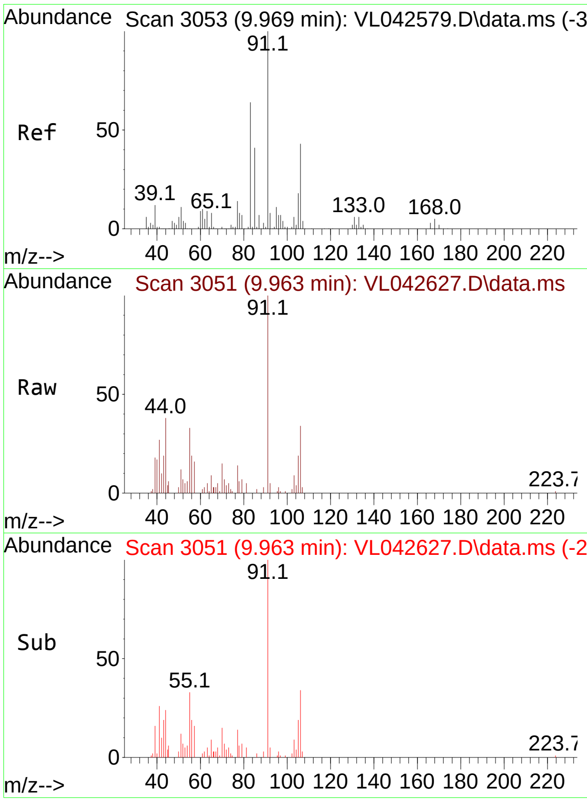




#59
m/p-Xylene
Concen: 0.507 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.013 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 91 Resp: 17094
Ion Ratio Lower Upper
91 100
106 45.7 38.8 58.2





#60
o-Xylene
Concen: 0.237 ppbv
RT: 9.963 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 91 Resp: 797

Ion	Ratio	Lower	Upper
91	100		
106	41.9	22.9	68.5

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

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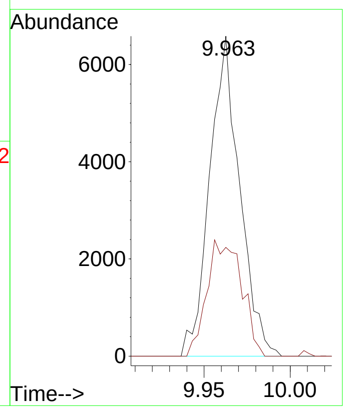
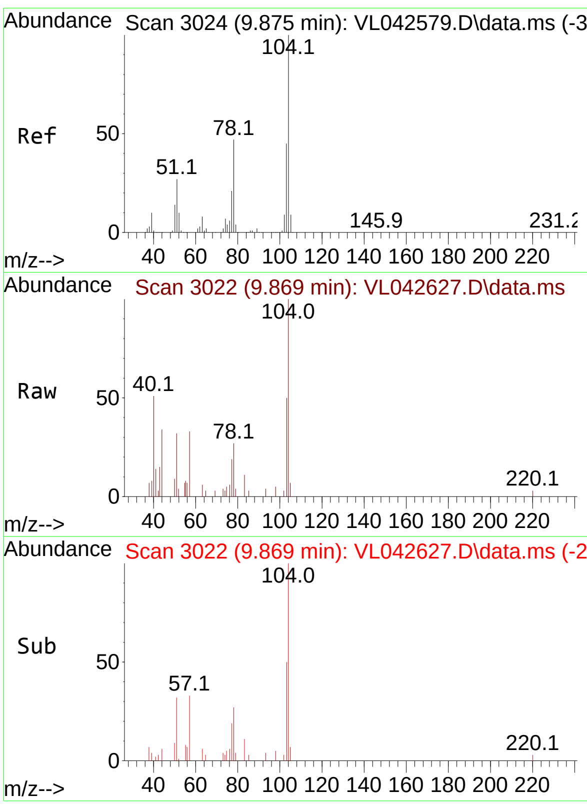
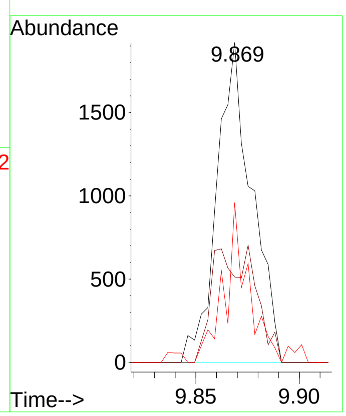


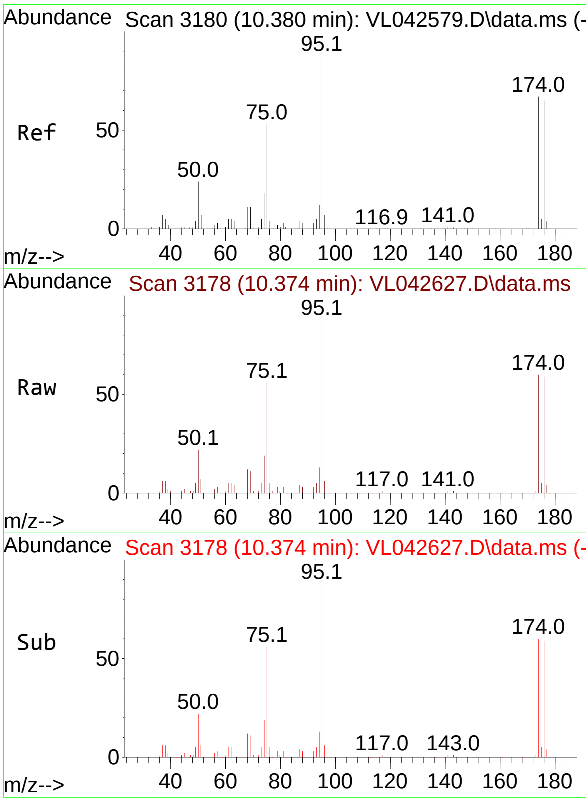


#61
Styrene
Concen: 0.142 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:104 Resp: 2265

Ion	Ratio	Lower	Upper
104	100		
78	43.9	38.2	57.4
103	37.3	36.7	55.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.273 ppbv
RT: 10.374 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 95 Resp: 194541

Ion	Ratio	Lower	Upper
95	100		
174	62.1	53.1	79.7
175	4.7	4.2	6.2

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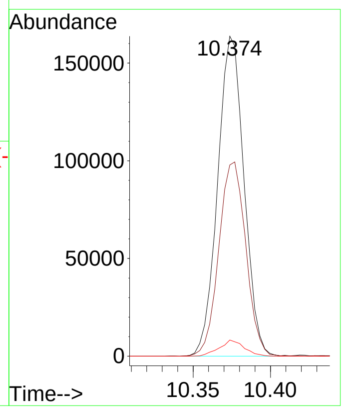
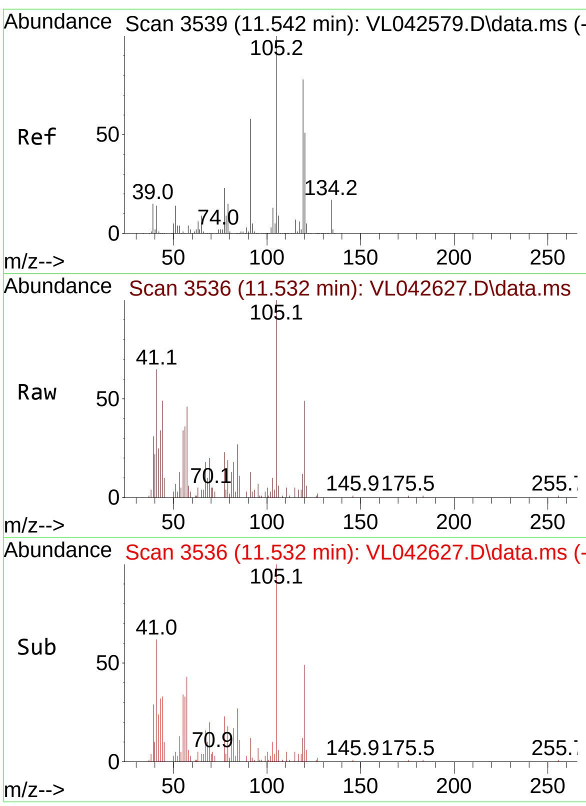
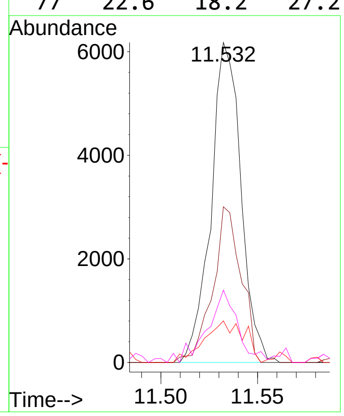




#74
1,2,4-Trimethylbenzene
Concen: 0.173 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:105 Resp: 6660

Ion	Ratio	Lower	Upper
105	100		
120	48.7	40.8	61.2
91	10.4	46.8	70.2#
77	22.6	18.2	27.2



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Manual Integration Report

Sequence:	vl052925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042579.D	Ethanol	SAM	5/30/2025 7:46:58 AM	MMDadoda	5/30/2025 12:25:20 PM	Peak Integrated by Software
VSTDICCC010	VL042579.D	m/p-Xylene	SAM	5/30/2025 7:46:58 AM	MMDadoda	5/30/2025 12:25:20 PM	Peak Integrated by Software
VSTDICC002	VL042580.D	1,4-Dioxane	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software
VSTDICC002	VL042580.D	Ethanol	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software
VSTDICC002	VL042580.D	m/p-Xylene	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software
VSTDICC002	VL042580.D	Methyl Methacrylate	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software
VSTDICC002	VL042580.D	t-1,3-Dichloropropene	SAM	5/30/2025 7:47:04 AM	MMDadoda	5/30/2025 12:25:22 PM	Peak Integrated by Software
VSTDICC001	VL042581.D	1,1,2-Trichloroethane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software
VSTDICC001	VL042581.D	1,4-Dioxane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software
VSTDICC001	VL042581.D	2,2,4-Trimethylpentane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software
VSTDICC001	VL042581.D	cis-1,3-Dichloropropene	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software
VSTDICC001	VL042581.D	Heptane	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software
VSTDICC001	VL042581.D	m/p-Xylene	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl052925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042581.D	t-1,3-Dichloropropene	SAM	5/30/2025 7:47:55 AM	MMDadoda	5/30/2025 12:25:24 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	1,1,2-Trichloroethane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	1,2-Dichloropropane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	1,4-Dioxane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	4-Methyl-2-Pentanone	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	Benzyl Chloride	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	cis-1,3-Dichloropropene	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	Cyclohexane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	Dibromochloromethane	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	Ethanol	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.5	VL042582.D	m/p-Xylene	SAM	5/30/2025 7:48:07 AM	MMDadoda	5/30/2025 12:25:26 PM	Peak Integrated by Software
VSTDICC0.1	VL042583.D	1,2-Dibromoethane	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software
VSTDICC0.1	VL042583.D	Naphthalene	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl052925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL042583.D	Tetrachloroethene	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software
VSTDICC0.1	VL042583.D	Trichloroethene	SAM	5/30/2025 7:48:14 AM	MMDadoda	5/30/2025 12:25:28 PM	Peak Integrated by Software
VSTDICC0.03	VL042584.D	1,1,1-Trichloroethane	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software
VSTDICC0.03	VL042584.D	Carbon Tetrachloride	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software
VSTDICC0.03	VL042584.D	Tetrachloroethene	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software
VSTDICC0.03	VL042584.D	Trichloroethene	SAM	5/30/2025 7:47:15 AM	MMDadoda	5/30/2025 12:25:30 PM	Peak Integrated by Software
VSTDICC015	VL042585.D	Ethanol	SAM	5/30/2025 7:48:19 AM	MMDadoda	5/30/2025 12:25:32 PM	Peak Integrated by Software
VSTDICC015	VL042585.D	m/p-Xylene	SAM	5/30/2025 7:48:19 AM	MMDadoda	5/30/2025 12:25:32 PM	Peak Integrated by Software
VSTDICV010	VL042586.D	Ethanol	SAM	5/30/2025 7:48:25 AM	MMDadoda	5/30/2025 12:25:34 PM	Peak Integrated by Software
VSTDICV010	VL042586.D	m/p-Xylene	SAM	5/30/2025 7:48:25 AM	MMDadoda	5/30/2025 12:25:34 PM	Peak Integrated by Software
VSTDICV010	VL042586.D	t-1,3-Dichloropropene	SAM	5/30/2025 7:48:25 AM	MMDadoda	5/30/2025 12:25:34 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL061625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042622.D	m/p-Xylene	SAM	6/17/2025 8:36:27 AM	MMDadoda	6/17/2025 4:10:09 PM	Peak Integrated by Software
VL0616ABS01	VL042624.D	m/p-Xylene	SAM	6/17/2025 8:36:32 AM	MMDadoda	6/17/2025 4:10:10 PM	Peak Integrated by Software
Q2317-01	VL042626.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	Carbon Tetrachloride	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	Chlorodifluoromethane	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	Ethyl Benzene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	Heptane	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	m/p-Xylene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	o-Xylene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01	VL042626.D	Styrene	SAM	6/17/2025 8:41:32 AM	MMDadoda	6/17/2025 4:10:12 PM	Peak Integrated by Software
Q2317-01DUP	VL042627.D	2,2,4-Trimethylpentane	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software
Q2317-01DUP	VL042627.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software
Q2317-01DUP	VL042627.D	Carbon Tetrachloride	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL061625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2317-01DUP	VL042627.D	Chlorodifluoromethane	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software
Q2317-01DUP	VL042627.D	Heptane	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software
Q2317-01DUP	VL042627.D	Toluene	SAM	6/17/2025 8:36:43 AM	MMDadoda	6/17/2025 4:10:14 PM	Peak Integrated by Software
Q2317-02	VL042628.D	1,2-Dichloroethane	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Carbon Tetrachloride	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Ethyl Benzene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Heptane	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	o-Xylene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Propene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Styrene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Tetrachloroethene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software
Q2317-02	VL042628.D	Trichloroethene	SAM	6/17/2025 8:41:59 AM	MMDadoda	6/17/2025 4:10:15 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL061625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2317-03	VL042629.D	Carbon Tetrachloride	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software
Q2317-03	VL042629.D	Heptane	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software
Q2317-03	VL042629.D	m/p-Xylene	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software
Q2317-03	VL042629.D	Propene	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software
Q2317-03	VL042629.D	tert-Butyl alcohol	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software
Q2317-03	VL042629.D	Tetrachloroethene	sam	6/20/2025 2:44:20 AM	MMdadoda	6/20/2025 2:45:06 AM	Peak Integrated by Software
Q2317-04	VL042630.D	4-Methyl-2-Pentanone	SAM	6/17/2025 8:41:54 AM	MMDadoda	6/17/2025 4:10:20 PM	Peak Integrated by Software
Q2317-04	VL042630.D	Heptane	SAM	6/17/2025 8:41:54 AM	MMDadoda	6/17/2025 4:10:20 PM	Peak Integrated by Software
Q2317-04	VL042630.D	Tetrachloroethene	SAM	6/17/2025 8:41:54 AM	MMDadoda	6/17/2025 4:10:20 PM	Peak Integrated by Software
Q2317-05	VL042632.D	m/p-Xylene	SAM	6/17/2025 8:42:24 AM	MMDadoda	6/17/2025 4:10:23 PM	Peak Integrated by Software
Q2317-05	VL042632.D	Toluene	SAM	6/17/2025 8:42:24 AM	MMDadoda	6/17/2025 4:10:23 PM	Peak Integrated by Software
Q2317-02DL	VL042636.D	Propene	SAM	6/17/2025 8:41:44 AM	MMDadoda	6/17/2025 4:10:26 PM	Peak Integrated by Software
Q2317-02DL	VL042636.D	Toluene	SAM	6/17/2025 8:41:44 AM	MMDadoda	6/17/2025 4:10:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL061625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2317-03DL	VL042637.D	Tetrahydrofuran	SAM	6/17/2025 8:41:38 AM	MMDadoda	6/17/2025 4:10:28 PM	Peak Integrated by Software
Q2317-03DL	VL042637.D	Toluene	SAM	6/17/2025 8:41:38 AM	MMDadoda	6/17/2025 4:10:28 PM	Peak Integrated by Software

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL052925

Review By	Semsettin Yesilyurt	Review On	5/30/2025 7:50:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:26:19 PM		
SubDirectory	VL052925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL052925AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2629
Initial Calibration Stds	AP2623,AP2625,AP2626
CCC	AP2623
Internal Standard/PEM	AP2629
ICV/I.BLK	AP2627
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042578.D	29 May 2025 08:05	SY/MD	Ok
2	VSTDICCC010	VL042579.D	29 May 2025 11:09	SY/MD	Ok,M
3	VSTDICC002	VL042580.D	29 May 2025 11:43	SY/MD	Ok,M
4	VSTDICC001	VL042581.D	29 May 2025 12:15	SY/MD	Ok,M
5	VSTDICC0.5	VL042582.D	29 May 2025 12:47	SY/MD	Ok,M
6	VSTDICC0.1	VL042583.D	29 May 2025 13:19	SY/MD	Ok,M
7	VSTDICC0.03	VL042584.D	29 May 2025 13:51	SY/MD	Ok,M
8	VSTDICC015	VL042585.D	29 May 2025 14:24	SY/MD	Ok,M
9	VSTDICV010	VL042586.D	29 May 2025 14:56	SY/MD	Ok,M
10	VL0529ABL01	VL042587.D	29 May 2025 15:44	SY/MD	Not Ok
11	VL0529ABL02	VL042588.D	29 May 2025 16:50	SY/MD	Ok
12	Q2124-01	VL042589.D	29 May 2025 17:22	SY/MD	Dilution
13	Q2124-01DL	VL042590.D	29 May 2025 17:55	SY/MD	Ok,M
14	VL0529ABS01	VL042591.D	29 May 2025 18:27	SY/MD	Ok,M
15	Q2124-02	VL042592.D	29 May 2025 19:00	SY/MD	Ok,M
16	Q2124-02DL	VL042593.D	29 May 2025 19:32	SY/MD	Not Ok
17	Q2124-03	VL042594.D	29 May 2025 20:05	SY/MD	Ok,M
18	Q2124-03DL	VL042595.D	29 May 2025 20:37	SY/MD	Not Ok
19	Q2124-01DUP	VL042596.D	29 May 2025 21:10	SY/MD	Not Ok
20	QC052725 CAN 10609	VL042597.D	29 May 2025 21:44	SY/MD	Not Ok
21	QC052725 CAN 10609	VL042598.D	29 May 2025 22:18	SY/MD	Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL052925

Review By	Semsettin Yesilyurt	Review On	5/30/2025 7:50:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:26:19 PM		
SubDirectory	VL052925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL052925AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2629
Initial Calibration Stds	AP2623,AP2625,AP2626
CCC	AP2623
Internal Standard/PEM	AP2629
ICV/I.BLK	AP2627
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	CAN10053	VL042599.D	29 May 2025 22:52	SY/MD	Ok
23	QC05225 CAN 10154	VL042600.D	29 May 2025 23:26	SY/MD	Ok
24	Q2124-01DUP	VL042601.D	29 May 2025 23:58	SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL061625

Review By	Mahesh Dadoda	Review On	6/17/2025 8:13:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/17/2025 4:08:08 PM		
SubDirectory	VL061625	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	VL042621.D	16 Jun 2025 08:07	SY/MD	Ok
2	VSTDCCC010	VL042622.D	16 Jun 2025 08:54	SY/MD	Ok,M
3	VL0616ABL01	VL042623.D	16 Jun 2025 09:43	SY/MD	Ok
4	VL0616ABS01	VL042624.D	16 Jun 2025 10:29	SY/MD	Ok,M
5	QC061125 CAN 10329	VL042625.D	16 Jun 2025 12:53	SY/MD	Ok
6	Q2317-01	VL042626.D	16 Jun 2025 13:27	SY/MD	Ok,M
7	Q2317-01DUP	VL042627.D	16 Jun 2025 14:01	SY/MD	Ok,M
8	Q2317-02	VL042628.D	16 Jun 2025 14:35	SY/MD	Dilution
9	Q2317-03	VL042629.D	16 Jun 2025 15:12	SY/MD	Dilution
10	Q2317-04	VL042630.D	16 Jun 2025 15:46	SY/MD	Ok,M
11	Q2317-04	VL042631.D	16 Jun 2025 16:20	SY/MD	Not Ok
12	Q2317-05	VL042632.D	16 Jun 2025 16:53	SY/MD	Ok,M
13	Q2317-05	VL042633.D	16 Jun 2025 17:27	SY/MD	Not Ok
14	QC061625 CAN 23182	VL042634.D	16 Jun 2025 18:03	SY/MD	Not Ok
15	QC041825 CAN 33628	VL042635.D	16 Jun 2025 18:38	SY/MD	Not Ok
16	Q2317-02DL	VL042636.D	16 Jun 2025 19:12	SY/MD	Ok,M
17	Q2317-03DL	VL042637.D	16 Jun 2025 19:46	SY/MD	Ok,M
18	QC061625 CAN 23182	VL042638.D	16 Jun 2025 20:21	SY/MD	Not Ok
19	QC041825 CAN 33628	VL042639.D	16 Jun 2025 20:56	SY/MD	Not Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL052925

Review By	Semsettin Yesilyurt	Review On	5/30/2025 7:50:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:26:19 PM		
SubDirectory	VL052925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL052925AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2629
Initial Calibration Stds	AP2623,AP2625,AP2626
CCC	AP2623
Internal Standard/PEM	AP2629
ICV/I.BLK	AP2627
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042578.D	29 May 2025 08:05		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042579.D	29 May 2025 11:09		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042580.D	29 May 2025 11:43		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042581.D	29 May 2025 12:15		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042582.D	29 May 2025 12:47		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042583.D	29 May 2025 13:19		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042584.D	29 May 2025 13:51		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042585.D	29 May 2025 14:24		SY/MD	Ok,M
9	VSTDICV010	ICVVL052925	VL042586.D	29 May 2025 14:56	comp#13 fail	SY/MD	Ok,M
10	VL0529ABL01	VL0529ABL01	VL042587.D	29 May 2025 15:44	carryover	SY/MD	Not Ok
11	VL0529ABL02	VL0529ABL02	VL042588.D	29 May 2025 16:50		SY/MD	Ok
12	Q2124-01	SV1	VL042589.D	29 May 2025 17:22	Need 20X	SY/MD	Dilution
13	Q2124-01DL	SV1DL	VL042590.D	29 May 2025 17:55		SY/MD	Ok,M
14	VL0529ABS01	VL0529ABS01	VL042591.D	29 May 2025 18:27		SY/MD	Ok,M
15	Q2124-02	SV2	VL042592.D	29 May 2025 19:00		SY/MD	Ok,M
16	Q2124-02DL	SV2DL	VL042593.D	29 May 2025 19:32	Not Required	SY/MD	Not Ok
17	Q2124-03	SV3	VL042594.D	29 May 2025 20:05		SY/MD	Ok,M
18	Q2124-03DL	SV3DL	VL042595.D	29 May 2025 20:37	Not Required	SY/MD	Not Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL052925

Review By	Semsettin Yesilyurt	Review On	5/30/2025 7:50:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:26:19 PM		
SubDirectory	VL052925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL052925AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2629
Initial Calibration Stds	AP2623,AP2625,AP2626
CCC	AP2623
Internal Standard/PEM	AP2629
ICV/I.BLK	AP2627
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2124-01DUP	SV1DUP	VL042596.D	29 May 2025 21:10	wrong purge	SY/MD	Not Ok
20	QC052725 CAN 10609	QC052725 CAN 10609	VL042597.D	29 May 2025 21:44	Contaminated	SY/MD	Not Ok
21	QC052725 CAN 10609	QC052725 CAN 10609	VL042598.D	29 May 2025 22:18		SY/MD	Ok
22	CAN10053	CAN10053	VL042599.D	29 May 2025 22:52		SY/MD	Ok
23	QC05225 CAN 10154	QC05225 CAN 10154	VL042600.D	29 May 2025 23:26		SY/MD	Ok
24	Q2124-01DUP	SV1DUP	VL042601.D	29 May 2025 23:58		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL061625

Review By	Mahesh Dadoda	Review On	6/17/2025 8:13:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/17/2025 4:08:08 PM		
SubDirectory	VL061625	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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042621.D	16 Jun 2025 08:07		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042622.D	16 Jun 2025 08:54		SY/MD	Ok,M
3	VL0616ABL01	VL0616ABL01	VL042623.D	16 Jun 2025 09:43		SY/MD	Ok
4	VL0616ABS01	VL0616ABS01	VL042624.D	16 Jun 2025 10:29		SY/MD	Ok,M
5	QC061125 CAN 10329	QC061125 CAN 10329	VL042625.D	16 Jun 2025 12:53		SY/MD	Ok
6	Q2317-01	AA-3	VL042626.D	16 Jun 2025 13:27		SY/MD	Ok,M
7	Q2317-01DUP	AA-3DUP	VL042627.D	16 Jun 2025 14:01		SY/MD	Ok,M
8	Q2317-02	115-IA-1	VL042628.D	16 Jun 2025 14:35	Need 5X	SY/MD	Dilution
9	Q2317-03	115-IA-2	VL042629.D	16 Jun 2025 15:12	Need 5X	SY/MD	Dilution
10	Q2317-04	115-SG1	VL042630.D	16 Jun 2025 15:46		SY/MD	Ok,M
11	Q2317-04	115-SG1	VL042631.D	16 Jun 2025 16:20	Not required	SY/MD	Not Ok
12	Q2317-05	115-SG2	VL042632.D	16 Jun 2025 16:53		SY/MD	Ok,M
13	Q2317-05	115-SG2	VL042633.D	16 Jun 2025 17:27	Not required	SY/MD	Not Ok
14	QC061625 CAN 23182	QC061625 CAN 23182	VL042634.D	16 Jun 2025 18:03	Carryover	SY/MD	Not Ok
15	QC041825 CAN 33628	QC041825 CAN 33628	VL042635.D	16 Jun 2025 18:38	Carryover	SY/MD	Not Ok
16	Q2317-02DL	115-IA-1DL	VL042636.D	16 Jun 2025 19:12		SY/MD	Ok,M
17	Q2317-03DL	115-IA-2DL	VL042637.D	16 Jun 2025 19:46		SY/MD	Ok,M
18	QC061625 CAN 23182	QC061625 CAN 23182	VL042638.D	16 Jun 2025 20:21	lab contaminate	SY/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL061625

Review By	Mahesh Dadoda	Review On	6/17/2025 8:13:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/17/2025 4:08:08 PM		
SubDirectory	VL061625	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	

19	QC041825 CAN 33628	QC041825 CAN 33628	VL042639.D	16 Jun 2025 20:56	lab contaminate	SY/MD	Not Ok

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2317

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: VL061625,

Standard ID :
AP2623,AP2625,AP2626,AP2627,AP2629,

Chemical ID :
A1117,A1135,A1136,A1137,

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Fax : 908 789 8922

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2623	05/27/2025	06/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/20/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1137 = 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	AP2625	05/28/2025	06/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/20/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2623 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2626	05/28/2025	06/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/20/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2623 = 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	AP2627	05/28/2025	06/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/20/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1136 = 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	AP2629	05/29/2025	06/29/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/20/2025

FROM 2.40000psi of A1135 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

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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	07/16/2025	07/22/2024 / SAM	07/22/2024 / SAM	A1135

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)	040424-003A	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1136

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)	040424-003B	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1137

CUSTOMGAS
SOLUTIONS
1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

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: 07/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.014 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.008 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.979 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES: **Blend Tolerance:** +/- 10 %
Analytical Tolerance: +/- 5 %
Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.
Caution: Do not use below 150 PSIG.

Analyst Name: **Joseph A. Ernst**

QA Signature:

Signature:

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC917782
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003A

Ship To : Chemtech
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
Acetone	500 ppb	517 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	534 ppb +/- 50 ppb	
Acrolein	500 ppb	545 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	539 ppb +/- 50 ppb	
Allyl chloride	500 ppb	509 ppb +/- 50 ppb	
Benzene	500 ppb	483 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	489 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	509 ppb +/- 50 ppb	
Bromoform	500 ppb	495 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	504 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	532 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	485 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	506 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	491 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	488 ppb +/- 50 ppb	
Chloroform	500 ppb	492 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	532 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	492 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	497 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	493 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	488 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	488 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	490 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	516 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	466 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	505 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	484 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	486 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	555 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	497 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	506 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	485 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	490 ppb +/- 50 ppb	
n-Hexane	500 ppb	485 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	511 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	527 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	534 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	532 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	483 ppb +/- 50 ppb	
Methylene chloride	500 ppb	498 ppb +/- 50 ppb	
Naphthalene	500 ppb	542 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	483 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	505 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	507 ppb +/- 50 ppb	
m-Xylene	500 ppb	492 ppb +/- 50 ppb	
o-Xylene	500 ppb	480 ppb +/- 50 ppb	
p-Xylene	500 ppb	486 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: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC169552
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003B

Ship To : Chemtech
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
Acetone	500 ppb	502 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	530 ppb +/- 50 ppb	
Acrolein	500 ppb	540 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	535 ppb +/- 50 ppb	
Allyl chloride	500 ppb	494 ppb +/- 50 ppb	
Benzene	500 ppb	470 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	476 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	495 ppb +/- 50 ppb	
Bromoform	500 ppb	481 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	490 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	527 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	525 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	525 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	525 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	471 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	492 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	478 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	474 ppb +/- 50 ppb	
Chloroform	500 ppb	478 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	527 ppb +/- 50 ppb	
Cyclohexane	500 ppb	469 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	477 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	495 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	475 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	476 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	494 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	478 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	483 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	479 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	475 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	475 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	476 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	501 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	466 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	491 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	470 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	472 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	550 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	483 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	492 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	472 ppb +/- 50 ppb	
n-Heptane	500 ppb	473 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	475 ppb +/- 50 ppb	
2-Hexanone	500 ppb	477 ppb +/- 50 ppb	
n-Hexane	500 ppb	471 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	497 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	522 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	530 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	491 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	494 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	482 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	479 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	527 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	470 ppb +/- 50 ppb	
Methylene chloride	500 ppb	484 ppb +/- 50 ppb	
Naphthalene	500 ppb	537 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	525 ppb +/- 50 ppb	
Propylene	500 ppb	494 ppb +/- 50 ppb	
Styrene	500 ppb	472 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	530 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	470 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	473 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	520 ppb +/- 50 ppb	
Toluene	500 ppb	477 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	480 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	480 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	481 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	474 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	494 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	481 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	480 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	484 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	475 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	485 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	491 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	493 ppb +/- 50 ppb	
m-Xylene	500 ppb	479 ppb +/- 50 ppb	
o-Xylene	500 ppb	466 ppb +/- 50 ppb	
p-Xylene	500 ppb	473 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	497 ppb +/- 50 ppb	
R-22	500 ppb	589 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: 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.

Alliance TECHNICAL GROUP

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

Process Report

Order ID : Q2317

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
06/13/2025	B2505058	Q2317-04	-8.0	10601	6 L	10202		C2504014	**VL042485.D** Seq :VL050525 TUNE : VL042468.D ICAL : VL042466.D CCAL : VL042469.D MB : VL042470.D
06/13/2025	B2505058	Q2317-01	-5.9	10588	6 L	10713		C2504014	**VL042485.D** Seq :VL050525 TUNE : VL042468.D ICAL : VL042466.D CCAL : VL042469.D MB : VL042470.D
06/13/2025	B2505058	Q2317-02	-4.7	10492	6 L	10236		C2504014	**VL042485.D** Seq :VL050525 TUNE : VL042468.D ICAL : VL042466.D CCAL : VL042469.D MB : VL042470.D
06/13/2025	B2505058	Q2317-05	-6.7	10315	6 L	10241		C2504014	**VL042485.D** Seq :VL050525 TUNE : VL042468.D ICAL : VL042466.D CCAL : VL042469.D MB : VL042470.D
06/13/2025	B2505058	Q2317-03	-1.8	10198	6 L	10207		C2504007	**VL042330.D** Seq :vl041525 TUNE : VL042325.D ICAL : VL042177.D CCAL : VL042326.D MB : VL042327.D

Canister Cleaning

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

Canister Batch : C2504014 **Type of Canister :** 6 L

Cleaning Date : 04/28/2025 **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
10266	-30	04/29/2025	05/05/2025	-30	04/30/2025		10492	VL042485.D
10269	-30	04/29/2025	05/05/2025	-30	04/30/2025		10492	VL042485.D
10601	-30	04/29/2025	05/05/2025	-30	04/30/2025	Q2317-04	10492	VL042485.D
10492	-30	04/29/2025	05/05/2025	-30	04/30/2025	Q2317-02	10492	VL042485.D
10060	-30	04/29/2025	05/05/2025	-30	04/30/2025		10492	VL042485.D
10588	-30	04/29/2025	05/05/2025	-30	04/30/2025	Q2317-01	10492	VL042485.D
10443	-30	04/29/2025	05/05/2025	-30	04/30/2025		10492	VL042485.D
10315	-30	04/29/2025	05/05/2025	-30	04/30/2025	Q2317-05	10492	VL042485.D

Canister Cleaning

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

Canister Batch : C2504007 **Type of Canister :** 6 L

Cleaning Date : 04/14/2025 **Analyst :** SAM

Oven Temperature : 125.0 c

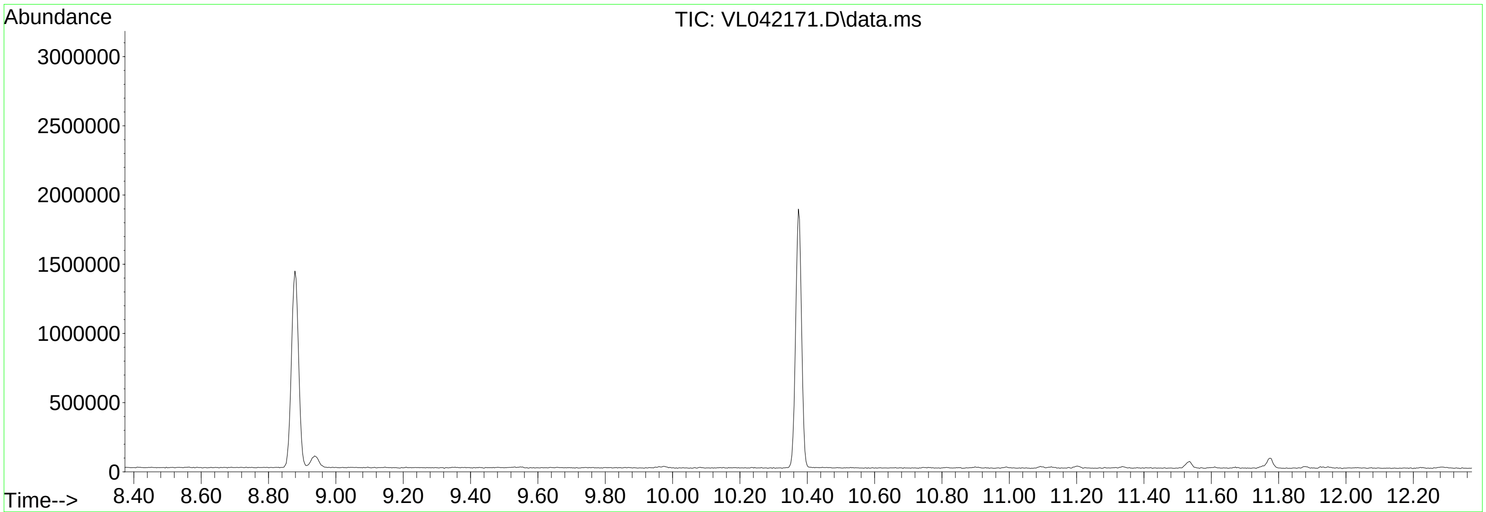
Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10599	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q2011-02	10401	VL042330.D
10595	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1908-02	10401	VL042330.D
10268	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-02	10401	VL042330.D
10323	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-03	10401	VL042330.D
10258	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-01	10401	VL042330.D
10198	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q2317-03	10401	VL042330.D
10053	-30	04/15/2025	04/15/2025	-30	04/16/2025		10401	VL042330.D
10401	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-05	10401	VL042330.D

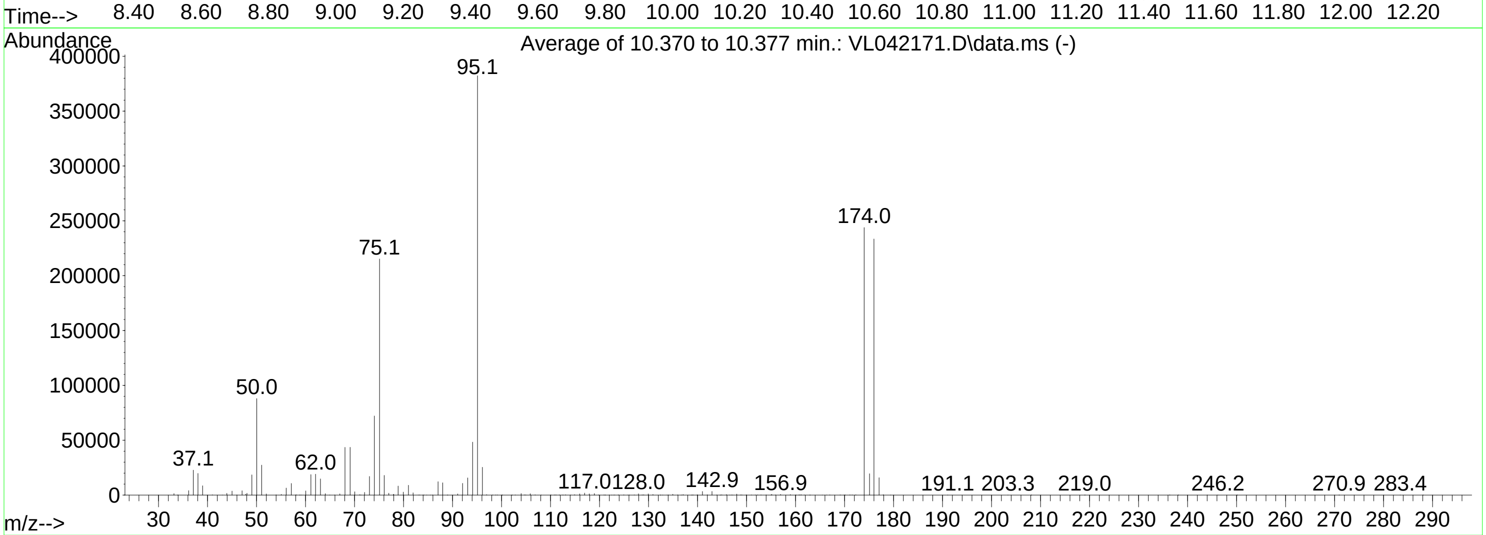
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042171.D
Acq On : 27 Mar 2025 07:44
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 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	23.0	87995	PASS
75	95	30	66	56.3	215296	PASS
95	95	100	100	100.0	382268	PASS
96	95	5	9	6.6	25383	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	63.8	243904	PASS
175	174	4	9	8.0	19539	PASS
176	174	93	101	95.7	233493	PASS
177	176	5	9	6.8	15877	PASS

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042177.D 0.1 =VL042176.D 0.5 =VL042175.D 1 =VL042174.D 2 =VL042173.D 10 =VL042172.D 15 =VL042178.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------------ISTD--------------------								
2)	T	Dichlorodifluo...			1.602	1.514	1.482	1.404	1.380	1.476	6.03
3)		Chlorodifluoro...			1.622	1.541	1.514	1.457	1.408	1.508	5.41
4)		Chloromethane			0.660	0.597	0.618	0.573	0.570	0.603	6.17
5)	T	Vinyl Chloride	0.882	0.705	0.635	0.576	0.584	0.549	0.546	0.639	18.84
6)	T	Bromomethane			0.327	0.268	0.266	0.256	0.250	0.273	11.20
7)		Chloroethane			0.286	0.248	0.223	0.227	0.226	0.242	10.92
8)	T	Dichlorotetraf...			1.306	1.283	1.274	1.214	1.211	1.257	3.40
9)	T	Propene			0.734	0.736	0.698	0.660	0.630	0.691	6.69
10)	T	Heptane			1.847	1.940	1.897	1.792	1.719	1.839	4.73
11)	T	Trichlorofluor...			1.562	1.457	1.480	1.339	1.346	1.437	6.59
12)	T	1,1,2-Trichlor...			1.247	1.215	1.188	1.120	1.135	1.181	4.52
13)		Ethanol			0.110	0.086	0.073	0.029	0.028	0.065	55.48
14)	T	Bromoethene			0.529	0.447	0.460	0.417	0.409	0.452	10.47
15)	T	Acetone			1.699	1.573	1.469	1.113	1.139	1.399	18.73
16)	T	1,3-Butadiene			0.952	0.705	0.608	0.573	0.577	0.683	23.38
17)		tert-Butyl alc...			1.935	1.799	1.756	1.618	1.601	1.742	7.91
18)	T	1,1-Dichloroet...			0.624	0.565	0.560	0.504	0.507	0.552	8.99
19)	T	Isopropyl Alcohol			1.016	0.800	0.738	0.702	0.689	0.789	16.99
20)	T	Methylene Chlo...			0.624	0.563	0.545	0.438	0.435	0.521	15.85
21)	T	Allyl Chloride			1.067	1.022	1.020	0.902	0.921	0.986	7.25
22)	T	trans-1,2-Dich...			0.704	0.701	0.621	0.590	0.575	0.638	9.56
23)	T	Vinyl Acetate			0.754	0.692	0.550	0.498	0.532	0.605	18.40
24)	T	1,1-Dichloroet...			1.247	1.208	1.187	1.122	1.149	1.183	4.17
25)	T	Ethyl Acetate			4.017	3.619	3.703	3.457	3.353	3.630	7.06
26)	T	Hexane			1.507	1.462	1.383	1.333	1.325	1.402	5.71
27)	T	Carbon Disulfide			1.608	1.512	1.538	1.436	1.423	1.503	5.07
28)	T	Methyl tert-Bu...			0.921	0.886	0.894	0.831	0.832	0.873	4.56
29)	T	Chloroform			2.233	2.068	2.071	1.932	1.956	2.052	5.81
30)	T	Cyclohexane			1.337	1.238	1.211	1.162	1.140	1.217	6.33
31)	T	cis-1,2-Dichlo...			1.507	1.460	1.426	1.371	1.353	1.423	4.44
32)	T	1,1,1-Trichlor...	3.151	2.495	2.279	2.201	2.152	2.062	2.105	2.349	16.23
33)	I	1,4-Difluorobenzene	----------------ISTD--------------------								
34)	T	2-Butanone			0.754	0.771	0.770	0.667	0.664	0.725	7.58
35)	T	Carbon Tetrach...	1.069	0.782	0.709	0.732	0.748	0.703	0.725	0.781	16.60
36)	T	Benzene			1.049	1.027	1.013	0.934	0.934	0.991	5.47
37)	T	1,2-Dichloroet...			0.613	0.569	0.563	0.537	0.556	0.568	4.95
38)	T	Trichloroethene	0.463	0.437	0.438	0.408	0.398	0.374	0.378	0.414	8.00
39)	T	1,2-Dichloropr...			0.386	0.373	0.365	0.337	0.344	0.361	5.68

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL032725AIR.M

40)	T	1,4-Dioxane			0.234	0.197	0.191	0.169	0.167	0.192	14.08
41)	T	Tetrahydrofuran			0.439	0.425	0.432	0.398	0.393	0.418	4.98
42)	T	Bromodichlorom...			0.778	0.779	0.802	0.769	0.785	0.782	1.58
43)		Methyl Methacr...			0.442	0.451	0.408	0.403	0.394	0.420	6.03
44)	T	2,2,4-Trimethy...			1.781	1.689	1.723	1.608	1.576	1.675	5.00
45)	T	t-1,3-Dichloro...			0.474	0.447	0.453	0.439	0.440	0.450	3.15
46)	T	cis-1,3-Dichlo...			0.549	0.560	0.566	0.550	0.535	0.552	2.12
47)	T	1,1,2-Trichlor...			0.419	0.382	0.379	0.364	0.365	0.382	5.88
48)	T	Dibromochlorom...			0.651	0.641	0.663	0.636	0.644	0.647	1.62
49)	T	Bromoform			0.566	0.588	0.597	0.582	0.570	0.581	2.18
50)	T	4-Methyl-2-Pen...			1.286	1.214	1.211	1.027	1.008	1.149	10.79
51)	T	2-Hexanone			0.999	1.018	1.031	0.844	0.827	0.944	10.56
52)	T	Tetrachloroethene	0.572	0.359	0.401	0.361	0.371	0.343	0.345	0.393	20.64
53)	T	Toluene			1.239	1.203	1.202	1.125	1.108	1.175	4.76
54)	T	1,2-Dibromoethane		0.574	0.543	0.538	0.520	0.508	0.510	0.532	4.74
55)	I	Chlorobenzene-d5	----------------ISTD--------------------								
56)		1,1,1,2-Tetrac...			0.576	0.575	0.576	0.510	0.515	0.550	6.30
57)	T	Chlorobenzene			1.024	0.979	0.994	0.875	0.871	0.949	7.46
58)	T	Ethyl Benzene			1.850	1.822	1.894	1.671	1.645	1.776	6.28
59)	T	m/p-Xylene			1.505	1.472	1.484	1.321	1.309	1.418	6.71
60)	T	o-Xylene			1.521	1.475	1.499	1.328	1.287	1.422	7.50
61)	T	Styrene			0.709	0.722	0.735	0.683	0.668	0.703	3.92
62)		Isopropylbenzene			2.290	2.199	2.261	1.962	1.920	2.126	8.14
63)	T	1,1,2,2-Tetrac...	0.986	0.800	0.907	0.889	0.893	0.796	0.777	0.864	8.78
64)		n-propylbenzene			0.578	0.581	0.576	0.499	0.502	0.547	7.81
65)		tert-Butylbenzene			2.190	2.071	2.144	1.736	1.691	1.966	11.96
66)	T	Benzyl Chloride			0.217	0.213	0.221	0.203	0.189	0.209	6.06
67)		sec-Butylbenzene			3.005	2.994	2.947	2.404	2.316	2.733	12.54
68)	S	1-Bromo-4-Fluo...	0.820	0.827	0.832	0.810	0.828	0.813	0.820	0.821	0.98
69)		p-Isopropyltol...			2.554	2.551	2.560	2.078	2.025	2.354	11.74
70)		n-Butylbenzene			2.536	2.598	2.682	2.137	2.082	2.407	11.51
71)		2-Chlorotoluene			1.717	1.728	1.759	1.538	1.510	1.650	7.07
72)	T	4-Ethyltoluene			1.834	1.859	1.929	1.629	1.601	1.770	8.26
73)	T	1,3,5-Trimethy...			1.616	1.671	1.677	1.387	1.381	1.546	9.71
74)	T	1,2,4-Trimethy...			1.994	1.958	1.966	1.510	1.478	1.781	14.74
75)	T	1,3-Dichlorobe...			1.036	1.022	1.063	0.882	0.882	0.977	8.99
76)	T	1,4-Dichlorobe...			1.030	1.017	1.040	0.888	0.886	0.972	8.05
77)	T	1,2-Dichlorobe...			1.012	1.031	1.014	0.850	0.850	0.951	9.78
78)	T	Hexachloro-1,3...			1.057	1.113	1.086	0.802	0.784	0.968	16.65
79)	T	Naphthalene		1.637	1.979	2.181	2.314	1.806	1.773	1.948	13.31
80)	T	Naphthalene,2-...			0.721	0.891	1.163	0.990	1.013	0.955	17.09
81)	T	1,2,4-Trichlor...			0.821	0.941	1.028	0.859	0.843	0.899	9.51

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.784	49	187002	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	545068	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.875	117	519536	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.371	95	422410	9.901 ppbv	0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 99.000%					
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.496	85	262496	9.507 ppbv	100
3) Chlorodifluoromethane	1.473	51	272522	9.662 ppbv	100
4) Chloromethane	1.531	50	107099	9.491 ppbv	100
5) Vinyl Chloride	1.577	62	102699	8.925 ppbv	100
6) Bromomethane	1.664	94	47950	9.377 ppbv	100
7) Chloroethane	1.703	64	42516	9.387 ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	227041	9.656 ppbv	100
9) Propene	1.483	41	123386	9.709 ppbv	100
10) Heptane	4.972	43	335086	9.744 ppbv	100
11) Trichlorofluoromethane	1.874	101	250349	9.318 ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	209365	9.481 ppbv	100
13) Ethanol	1.719	45	5338	5.364 ppbv	100
14) Bromoethene	1.777	108	77999	9.220 ppbv	100
15) Acetone	1.832	43	208061	7.955 ppbv	100
16) 1,3-Butadiene	1.606	39	107104	9.105 ppbv	100
17) tert-Butyl alcohol	2.036	59	302616	9.290 ppbv	100
18) 1,1-Dichloroethene	2.030	96	94236	9.128 ppbv	100
19) Isopropyl Alcohol	1.884	45	131359	8.902 ppbv	100
20) Methylene Chloride	2.059	84	81828	8.401 ppbv	100
21) Allyl Chloride	2.091	41	168602	9.141 ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	110371	9.149 ppbv	100
23) Vinyl Acetate	2.460	43	93080	8.563 ppbv	100
24) 1,1-Dichloroethane	2.405	63	209753	9.484 ppbv	100
25) Ethyl Acetate	2.833	43	646501	9.524 ppbv	100
26) Hexane	2.823	57	249331	9.510 ppbv	100
27) Carbon Disulfide	2.146	76	268507	9.550 ppbv	100
28) Methyl tert-Butyl Ether	2.438	73	155398	9.520 ppbv	100
29) Chloroform	2.845	83	361264	9.415 ppbv	100
30) Cyclohexane	3.852	84	217215	9.537 ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	256425	9.634 ppbv	100
32) 1,1,1-Trichloroethane	3.363	97	385628	8.784 ppbv	100
34) 2-Butanone	2.554	43	363735	9.203 ppbv	100
35) Carbon Tetrachloride	3.758	117	382925	9.129 ppbv	100
36) Benzene	3.651	78	508860	9.417 ppbv	100
37) 1,2-Dichloroethane	3.214	62	292937	9.469 ppbv	100
38) Trichloroethene	4.545	130	204027	9.045 ppbv	100
39) 1,2-Dichloropropane	4.312	63	183439	9.321 ppbv	100
40) 1,4-Dioxane	4.577	88	92327	9.042 ppbv #	100
41) Tetrahydrofuran	3.049	42	216851	9.643 ppbv	100
42) Bromodichloromethane	4.483	83	418887	9.822 ppbv	100
43) Methyl Methacrylate	4.872	69	219399	9.618 ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	876649	9.600 ppbv	100
45) t-1,3-Dichloropropene	6.406	75	239180	9.746 ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	300021	9.973 ppbv	100
47) 1,1,2-Trichloroethane	6.574	97	198176	9.526 ppbv	100
48) Dibromochloromethane	7.380	129	346499	9.828 ppbv	100
49) Bromoform	9.477	173	317189	10.021 ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	559800	8.934 ppbv	100
51) 2-Hexanone	7.432	43	460013	8.848 ppbv #	100
52) Tetrachloroethene	8.218	164	186912	8.722 ppbv	100
53) Toluene	6.927	91	613378	9.576 ppbv	100
54) 1,2-Dibromoethane	7.649	107	276797	9.536 ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	265037	9.268 ppbv	100
57) Chlorobenzene	8.917	112	454511	9.223 ppbv	100
58) Ethyl Benzene	9.351	91	868003	9.406 ppbv	100
59) m/p-Xylene	9.549	91	1372806m	18.607 ppbv	
60) o-Xylene	9.960	91	689933	9.340 ppbv	100
61) Styrene	9.866	104	354697	9.706 ppbv	100
62) Isopropylbenzene	10.536	105	1019255	9.227 ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.960	83	413392	9.210 ppbv	100
64) n-propylbenzene	10.986	120	259405	9.122 ppbv	100
65) tert-Butylbenzene	11.529	119	901951	8.828 ppbv	100
66) Benzyl Chloride	11.610	91	105411	9.724 ppbv	100
67) sec-Butylbenzene	11.766	105	1249106	8.796 ppbv	100
69) p-Isopropyltoluene	11.924	119	1079675	8.830 ppbv	100
70) n-Butylbenzene	12.277	91	1110351	8.879 ppbv	100
71) 2-Chlorotoluene	10.898	91	799102	9.320 ppbv	100
72) 4-Ethyltoluene	11.122	105	846232	9.200 ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	720566	8.970 ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	784745	8.480 ppbv	100
75) 1,3-Dichlorobenzene	11.604	146	458226	9.028 ppbv	100
76) 1,4-Dichlorobenzene	11.669	146	461371	9.134 ppbv	100
77) 1,2-Dichlorobenzene	11.944	146	441473	8.933 ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	416735	8.284 ppbv	100
79) Naphthalene	13.510	128	938470	9.271 ppbv	100
80) Naphthalene,2-methyl-	14.455	142	514394	10.436 ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	446420	9.561 ppbv	100

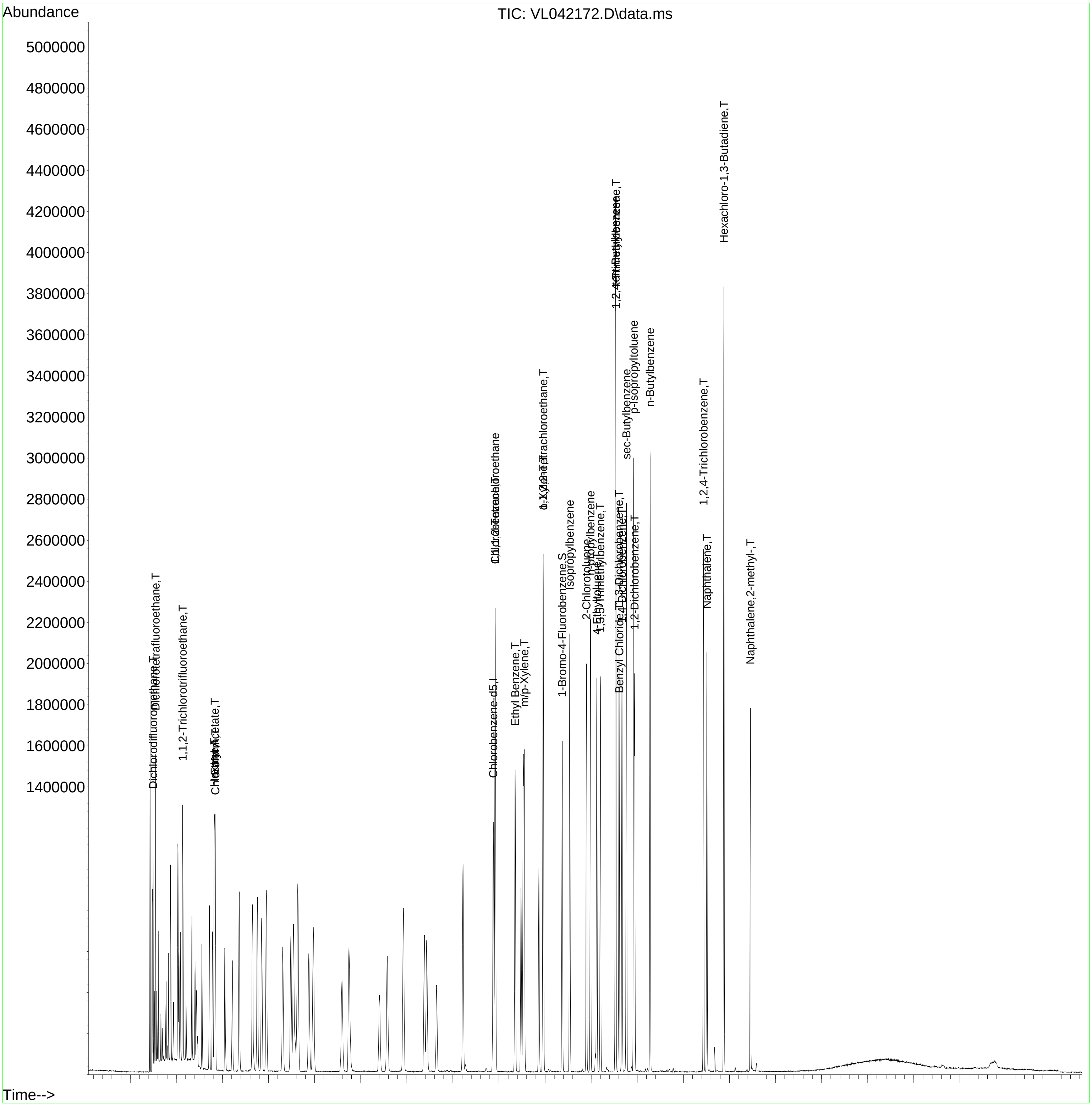
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.784	49	188395	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	546394	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.875	117	504538	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.370	95	417532	10.077 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.800%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.496	85	55859	2.008 ppbv	99
3) Chlorodifluoromethane	1.473	51	57045	2.007 ppbv	99
4) Chloromethane	1.531	50	23293	2.049 ppbv	94
5) Vinyl Chloride	1.576	62	21989	1.897 ppbv	99
6) Bromomethane	1.664	94	10027	1.946 ppbv	98
7) Chloroethane	1.703	64	8413	1.844 ppbv	92
8) Dichlorotetrafluoroethane	1.551	85	48008	2.027 ppbv	98
9) Propene	1.483	41	26295	2.054 ppbv	94
10) Heptane	4.972	43	71466	2.063 ppbv	99
11) Trichlorofluoromethane	1.874	101	55754	2.060 ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	44761	2.012 ppbv	98
13) Ethanol	1.719	45	2748m	2.741 ppbv	
14) Bromoethene	1.780	108	17323	2.033 ppbv #	89
15) Acetone	1.832	43	55365	2.101 ppbv	95
16) 1,3-Butadiene	1.606	39	22894	1.932 ppbv	95
17) tert-Butyl alcohol	2.039	59	66174	2.016 ppbv	100
18) 1,1-Dichloroethene	2.030	96	21103	2.029 ppbv	95
19) Isopropyl Alcohol	1.884	45	27804	1.870 ppbv #	35
20) Methylene Chloride	2.059	84	20518	2.091 ppbv	96
21) Allyl Chloride	2.094	41	38425	2.068 ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	23384	1.924 ppbv	92
23) Vinyl Acetate	2.460	43	20736	1.894 ppbv #	97
24) 1,1-Dichloroethane	2.405	63	44740	2.008 ppbv	99
25) Ethyl Acetate	2.832	43	139516	2.040 ppbv	99
26) Hexane	2.823	57	52095	1.972 ppbv	92
27) Carbon Disulfide	2.146	76	57969	2.047 ppbv #	76
28) Methyl tert-Butyl Ether	2.437	73	33703	2.049 ppbv	99
29) Chloroform	2.845	83	78043	2.019 ppbv	95
30) Cyclohexane	3.852	84	45641	1.989 ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	53713	2.003 ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	81070	1.833 ppbv	99
34) 2-Butanone	2.554	43	84157	2.124 ppbv	99
35) Carbon Tetrachloride	3.758	117	81735	1.944 ppbv	96
36) Benzene	3.651	78	110727	2.044 ppbv	97
37) 1,2-Dichloroethane	3.214	62	61476	1.982 ppbv	97
38) Trichloroethene	4.541	130	43501	1.924 ppbv	97
39) 1,2-Dichloropropane	4.308	63	39912	2.023 ppbv	93
40) 1,4-Dioxane	4.587	88	20884m	2.040 ppbv	
41) Tetrahydrofuran	3.056	42	47262	2.097 ppbv	99
42) Bromodichloromethane	4.483	83	87640	2.050 ppbv	99
43) Methyl Methacrylate	4.878	69	44624	1.952 ppbv	97
44) 2,2,4-Trimethylpentane	4.632	57	188282	2.057 ppbv	100
45) t-1,3-Dichloropropene	6.406	75	49461	2.011 ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	61829	2.050 ppbv #	91
47) 1,1,2-Trichloroethane	6.577	97	41387	1.985 ppbv	95
48) Dibromochloromethane	7.383	129	72441	2.050 ppbv	100
49) Bromoform	9.477	173	65221	2.056 ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	132328	2.107 ppbv	99
51) 2-Hexanone	7.435	43	112681	2.162 ppbv #	99
52) Tetrachloroethene	8.221	164	40558	1.888 ppbv	98
53) Toluene	6.923	91	131314	2.045 ppbv	99
54) 1,2-Dibromoethane	7.648	107	56799	1.952 ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.920	131	58141	2.093 ppbv	97
57) Chlorobenzene	8.914	112	100308	2.096 ppbv #	94
58) Ethyl Benzene	9.351	91	191114	2.132 ppbv	96
59) m/p-Xylene	9.548	91	299531m	4.181 ppbv	
60) o-Xylene	9.959	91	151292	2.109 ppbv	98
61) Styrene	9.865	104	74134	2.089 ppbv	98
62) Isopropylbenzene	10.535	105	228191	2.127 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	90114	2.067 ppbv	99
64) n-propylbenzene	10.985	120	58105	2.104 ppbv	92
65) tert-Butylbenzene	11.529	119	216336	2.180 ppbv	99
66) Benzyl Chloride	11.610	91	22272	2.116 ppbv	95
67) sec-Butylbenzene	11.762	105	297381	2.156 ppbv	99
69) p-Isopropyltoluene	11.921	119	258357	2.176 ppbv	100
70) n-Butylbenzene	12.277	91	270616	2.228 ppbv	99
71) 2-Chlorotoluene	10.898	91	177487	2.132 ppbv	100
72) 4-Ethyltoluene	11.121	105	194660	2.179 ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	169221	2.169 ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	198351	2.207 ppbv	96
75) 1,3-Dichlorobenzene	11.604	146	107217	2.175 ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	104925	2.139 ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	102310	2.132 ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	109539	2.242 ppbv	99
79) Naphthalene	13.510	128	233451	2.375 ppbv	97
80) Naphthalene,2-methyl-	14.455	142	117313	2.451 ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	103765	2.288 ppbv	97

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

Quantitation Report (QT Reviewed)

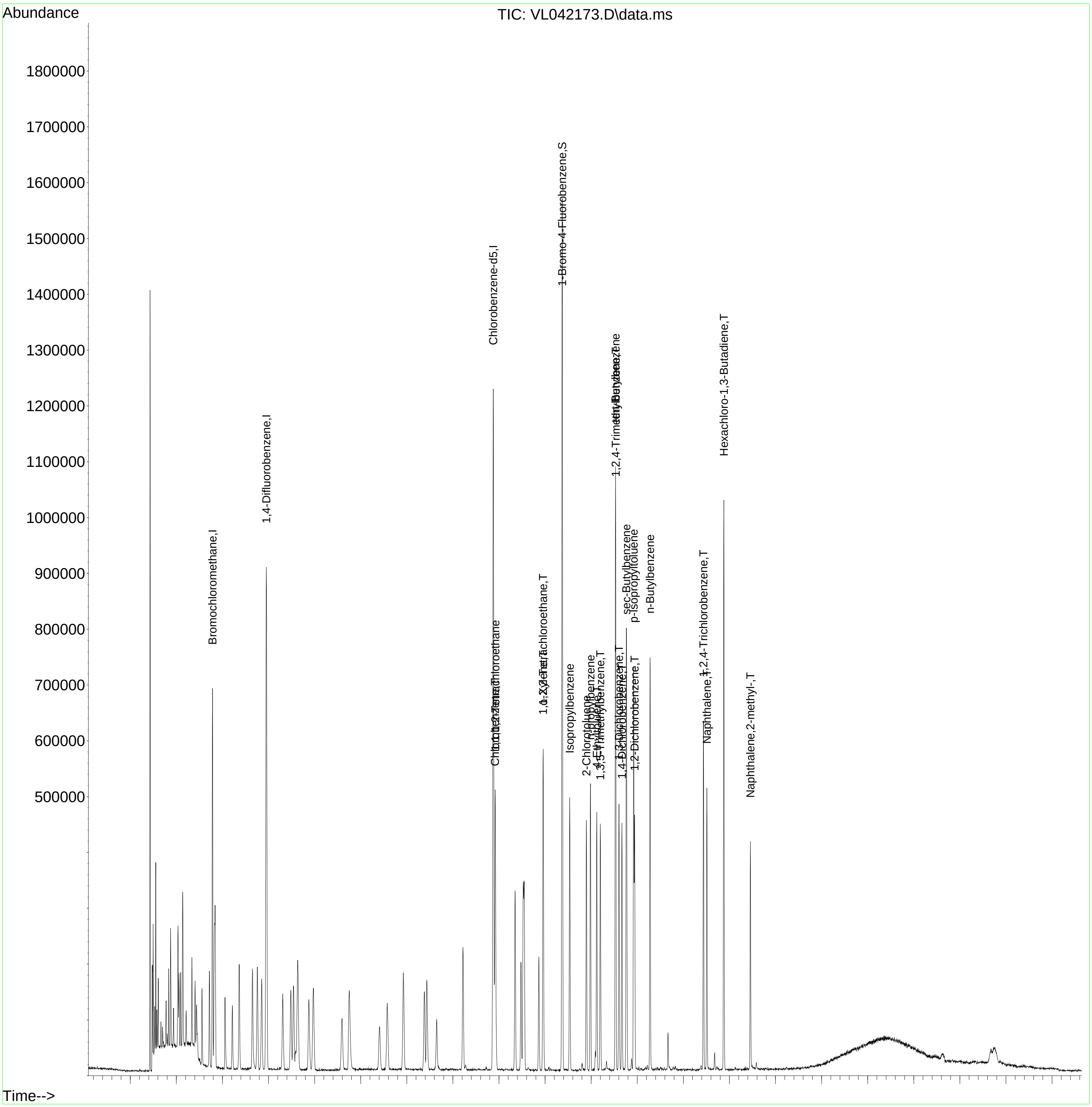
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.784	49	186244	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	537244	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.879	117	499830	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.371	95	404753	9.861 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.496	85	28203	1.026 ppbv	99
3) Chlorodifluoromethane	1.473	51	28693	1.021 ppbv	94
4) Chloromethane	1.531	50	11111	0.989 ppbv	99
5) Vinyl Chloride	1.577	62	10723	0.936 ppbv	98
6) Bromomethane	1.667	94	4984	0.979 ppbv	97
7) Chloroethane	1.703	64	4622	1.025 ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	23886	1.020 ppbv	98
9) Propene	1.483	41	13699m	1.082 ppbv	
10) Heptane	4.975	43	36132	1.055 ppbv	100
11) Trichlorofluoromethane	1.875	101	27136	1.014 ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	22629	1.029 ppbv	99
13) Ethanol	1.719	45	1610m	1.624 ppbv	
14) Bromoethene	1.781	108	8330	0.989 ppbv #	82
15) Acetone	1.836	43	29294	1.125 ppbv	95
16) 1,3-Butadiene	1.606	39	13133	1.121 ppbv	97
17) tert-Butyl alcohol	2.040	59	33500	1.033 ppbv	97
18) 1,1-Dichloroethene	2.033	96	10532	1.024 ppbv	89
19) Isopropyl Alcohol	1.884	45	14903	1.014 ppbv #	38
20) Methylene Chloride	2.059	84	10481	1.080 ppbv	93
21) Allyl Chloride	2.095	41	19039	1.036 ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	13051m	1.086 ppbv	
23) Vinyl Acetate	2.464	43	12883m	1.190 ppbv	
24) 1,1-Dichloroethane	2.409	63	22505	1.022 ppbv	99
25) Ethyl Acetate	2.836	43	67402	0.997 ppbv #	96
26) Hexane	2.823	57	27223	1.043 ppbv	98
27) Carbon Disulfide	2.146	76	28167	1.006 ppbv #	47
28) Methyl tert-Butyl Ether	2.441	73	16501	1.015 ppbv	95
29) Chloroform	2.845	83	38516	1.008 ppbv	96
30) Cyclohexane	3.852	84	23052	1.016 ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	27187	1.026 ppbv	89
32) 1,1,1-Trichloroethane	3.363	97	40993	0.938 ppbv	99
34) 2-Butanone	2.557	43	41423	1.063 ppbv	98
35) Carbon Tetrachloride	3.758	117	39345	0.952 ppbv	93
36) Benzene	3.651	78	55156	1.036 ppbv	94
37) 1,2-Dichloroethane	3.218	62	30543	1.002 ppbv	98
38) Trichloroethene	4.545	130	21906	0.985 ppbv	93
39) 1,2-Dichloropropane	4.312	63	20020	1.032 ppbv	99
40) 1,4-Dioxane	4.593	88	10592m	1.052 ppbv	
41) Tetrahydrofuran	3.056	42	22818	1.029 ppbv	97
42) Bromodichloromethane	4.483	83	41864	0.996 ppbv	90
43) Methyl Methacrylate	4.875	69	24233m	1.078 ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	90727	1.008 ppbv	96
45) t-1,3-Dichloropropene	6.403	75	23993m	0.992 ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	30063	1.014 ppbv	93
47) 1,1,2-Trichloroethane	6.577	97	20546	1.002 ppbv	96
48) Dibromochloromethane	7.383	129	34425	0.991 ppbv	100
49) Bromoform	9.481	173	31610	1.013 ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	65226m	1.056 ppbv	
51) 2-Hexanone	7.438	43	54680	1.067 ppbv #	100
52) Tetrachloroethene	8.222	164	19415	0.919 ppbv	95
53) Toluene	6.927	91	64612	1.023 ppbv	99
54) 1,2-Dibromoethane	7.652	107	28879	1.009 ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	28764	1.045 ppbv #	87
57) Chlorobenzene	8.917	112	48930	1.032 ppbv	93
58) Ethyl Benzene	9.348	91	91086	1.026 ppbv	97
59) m/p-Xylene	9.529	91	147162m	2.073 ppbv	
60) o-Xylene	9.960	91	73702	1.037 ppbv	96
61) Styrene	9.866	104	36110	1.027 ppbv	97
62) Isopropylbenzene	10.536	105	109897	1.034 ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	44431	1.029 ppbv	99
64) n-propylbenzene	10.986	120	29054	1.062 ppbv	98
65) tert-Butylbenzene	11.526	119	103520	1.053 ppbv	96
66) Benzyl Chloride	11.614	91	10660	1.022 ppbv #	93
67) sec-Butylbenzene	11.762	105	149660	1.095 ppbv	97
69) p-Isopropyltoluene	11.921	119	127509	1.084 ppbv	99
70) n-Butylbenzene	12.280	91	129860	1.079 ppbv	99
71) 2-Chlorotoluene	10.898	91	86356	1.047 ppbv	100
72) 4-Ethyltoluene	11.122	105	92912	1.050 ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	83497	1.080 ppbv	92
74) 1,2,4-Trimethylbenzene	11.533	105	97858	1.099 ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	51096	1.046 ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	50841	1.046 ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	51523	1.084 ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	55611	1.149 ppbv	97
79) Naphthalene	13.510	128	109031	1.120 ppbv	99
80) Naphthalene,2-methyl-	14.455	142	44518	0.939 ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	47040	1.047 ppbv	98

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

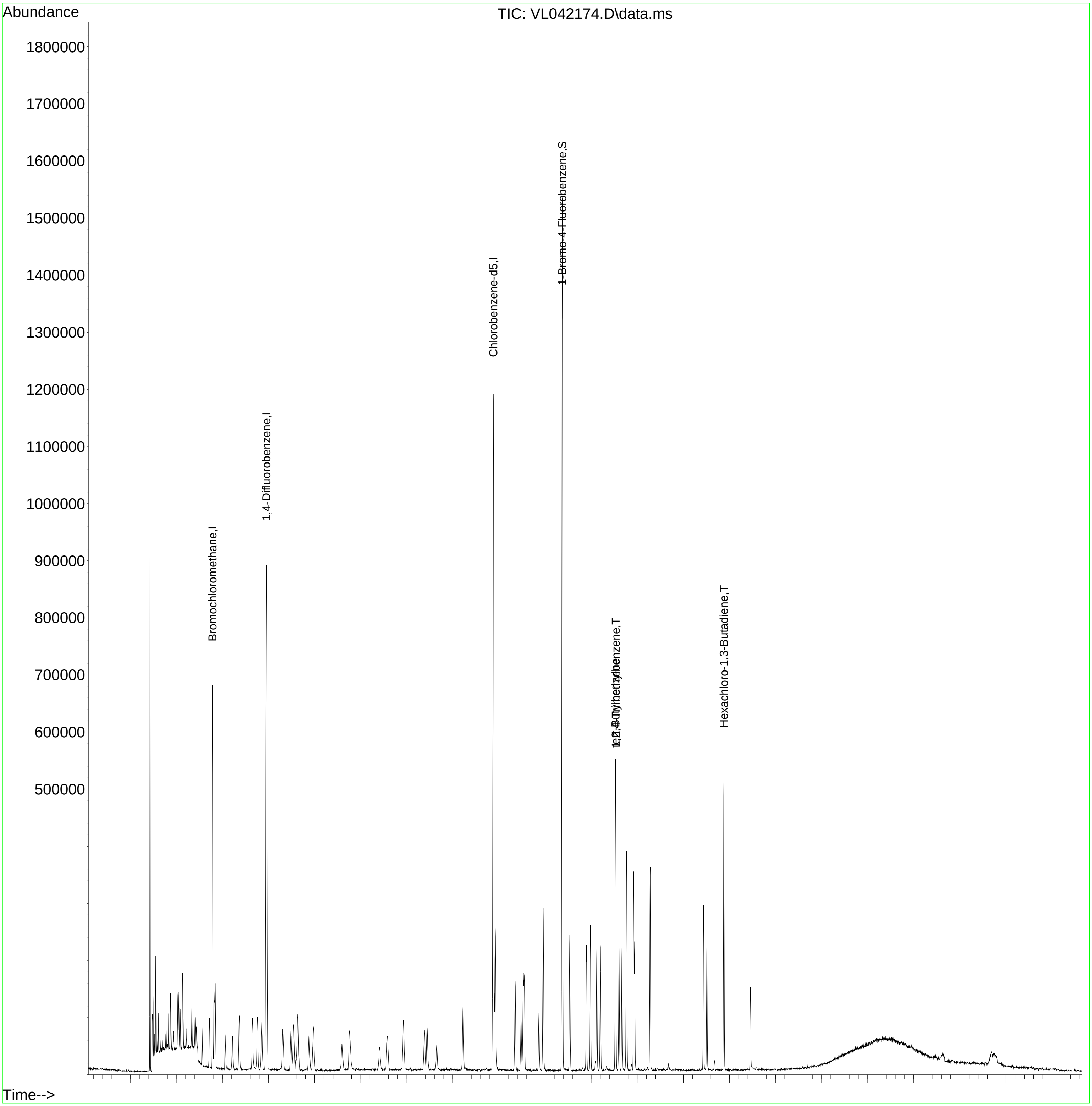
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	180502	10.000 ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	523832	10.000 ppbv		0.00
55) Chlorobenzene-d5	8.875	117	485078	10.000 ppbv		0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	403513	10.130 ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	14455	0.542 ppbv		95
3) Chlorodifluoromethane	1.473	51	14637	0.538 ppbv	#	89
4) Chloromethane	1.531	50	5956	0.547 ppbv		94
5) Vinyl Chloride	1.577	62	5732	0.516 ppbv		92
6) Bromomethane	1.664	94	2949	0.597 ppbv		95
7) Chloroethane	1.703	64	2582	0.591 ppbv	#	87
8) Dichlorotetrafluoroethane	1.551	85	11783	0.519 ppbv		98
9) Propene	1.483	41	6622m	0.540 ppbv		
10) Heptane	4.972	43	16673	0.502 ppbv		89
11) Trichlorofluoromethane	1.874	101	14099	0.544 ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.136	101	11252	0.528 ppbv		99
13) Ethanol	1.722	45	997	1.038 ppbv	#	36
14) Bromoethene	1.780	108	4770	0.584 ppbv	#	86
15) Acetone	1.835	43	15331	0.607 ppbv	#	85
16) 1,3-Butadiene	1.606	39	8594	0.757 ppbv		82
17) tert-Butyl alcohol	2.039	59	17467	0.556 ppbv		97
18) 1,1-Dichloroethene	2.030	96	5634	0.565 ppbv	#	92
19) Isopropyl Alcohol	1.884	45	9171	0.644 ppbv	#	39
20) Methylene Chloride	2.059	84	5634	0.599 ppbv	#	93
21) Allyl Chloride	2.091	41	9632	0.541 ppbv		89
22) trans-1,2-Dichloroethene	2.334	96	6353	0.546 ppbv		83
23) Vinyl Acetate	2.457	43	6809	0.649 ppbv	#	91
24) 1,1-Dichloroethane	2.405	63	11258	0.527 ppbv		97
25) Ethyl Acetate	2.836	43	36258	0.553 ppbv		98
26) Hexane	2.823	57	13605	0.538 ppbv		92
27) Carbon Disulfide	2.146	76	14510	0.535 ppbv	#	1
28) Methyl tert-Butyl Ether	2.437	73	8310	0.527 ppbv	#	89
29) Chloroform	2.845	83	20149	0.544 ppbv		98
30) Cyclohexane	3.852	84	12063m	0.549 ppbv		
31) cis-1,2-Dichloroethene	2.719	61	13601	0.529 ppbv		92
32) 1,1,1-Trichloroethane	3.360	97	20567	0.485 ppbv		100
34) 2-Butanone	2.557	43	19739	0.520 ppbv		96
35) Carbon Tetrachloride	3.755	117	18558	0.460 ppbv		93
36) Benzene	3.651	78	27488	0.529 ppbv	#	87
37) 1,2-Dichloroethane	3.214	62	16062	0.540 ppbv		100
38) Trichloroethene	4.538	130	11460m	0.529 ppbv		
39) 1,2-Dichloropropane	4.308	63	10123	0.535 ppbv		92
40) 1,4-Dioxane	4.593	88	6121m	0.624 ppbv		
41) Tetrahydrofuran	3.059	42	11509m	0.533 ppbv		
42) Bromodichloromethane	4.483	83	20374	0.497 ppbv	#	98
43) Methyl Methacrylate	4.875	69	11583m	0.528 ppbv		
44) 2,2,4-Trimethylpentane	4.632	57	46646	0.532 ppbv		95
45) t-1,3-Dichloropropene	6.406	75	12404	0.526 ppbv	#	79

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	14374m	0.497 ppbv	
47) 1,1,2-Trichloroethane	6.574	97	10972m	0.549 ppbv	
48) Dibromochloromethane	7.380	129	17042	0.503 ppbv	99
49) Bromoform	9.480	173	14828	0.487 ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	33674	0.559 ppbv	97
51) 2-Hexanone	7.438	43	26154	0.523 ppbv #	100
52) Tetrachloroethene	8.218	164	10502	0.510 ppbv	94
53) Toluene	6.923	91	32444	0.527 ppbv	98
54) 1,2-Dibromoethane	7.648	107	14220	0.510 ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	13959	0.523 ppbv #	1
57) Chlorobenzene	8.914	112	24826	0.540 ppbv #	91
58) Ethyl Benzene	9.348	91	44862	0.521 ppbv	96
59) m/p-Xylene	9.542	91	73028m	1.060 ppbv	
60) o-Xylene	9.959	91	36879	0.535 ppbv	98
61) Styrene	9.866	104	17198	0.504 ppbv	96
62) Isopropylbenzene	10.536	105	55531	0.538 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	21989	0.525 ppbv	96
64) n-propylbenzene	10.985	120	14030	0.528 ppbv	95
65) tert-Butylbenzene	11.526	119	53115	0.557 ppbv	100
66) Benzyl Chloride	11.613	91	5263	0.520 ppbv	97
67) sec-Butylbenzene	11.762	105	72879	0.550 ppbv	98
69) p-Isopropyltoluene	11.921	119	61933	0.542 ppbv	100
70) n-Butylbenzene	12.277	91	61507	0.527 ppbv	99
71) 2-Chlorotoluene	10.895	91	41637	0.520 ppbv	95
72) 4-Ethyltoluene	11.121	105	44473	0.518 ppbv #	94
73) 1,3,5-Trimethylbenzene	11.199	105	39190	0.523 ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	48370	0.560 ppbv	97
75) 1,3-Dichlorobenzene	11.600	146	25122	0.530 ppbv	100
76) 1,4-Dichlorobenzene	11.668	146	24991	0.530 ppbv	97
77) 1,2-Dichlorobenzene	11.943	146	24548	0.532 ppbv	96
78) Hexachloro-1,3-Butadiene	13.879	225	25636	0.546 ppbv	99
79) Naphthalene	13.510	128	47990	0.508 ppbv	95
80) Naphthalene,2-methyl-	14.458	142	17486	0.380 ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	19924	0.457 ppbv	97

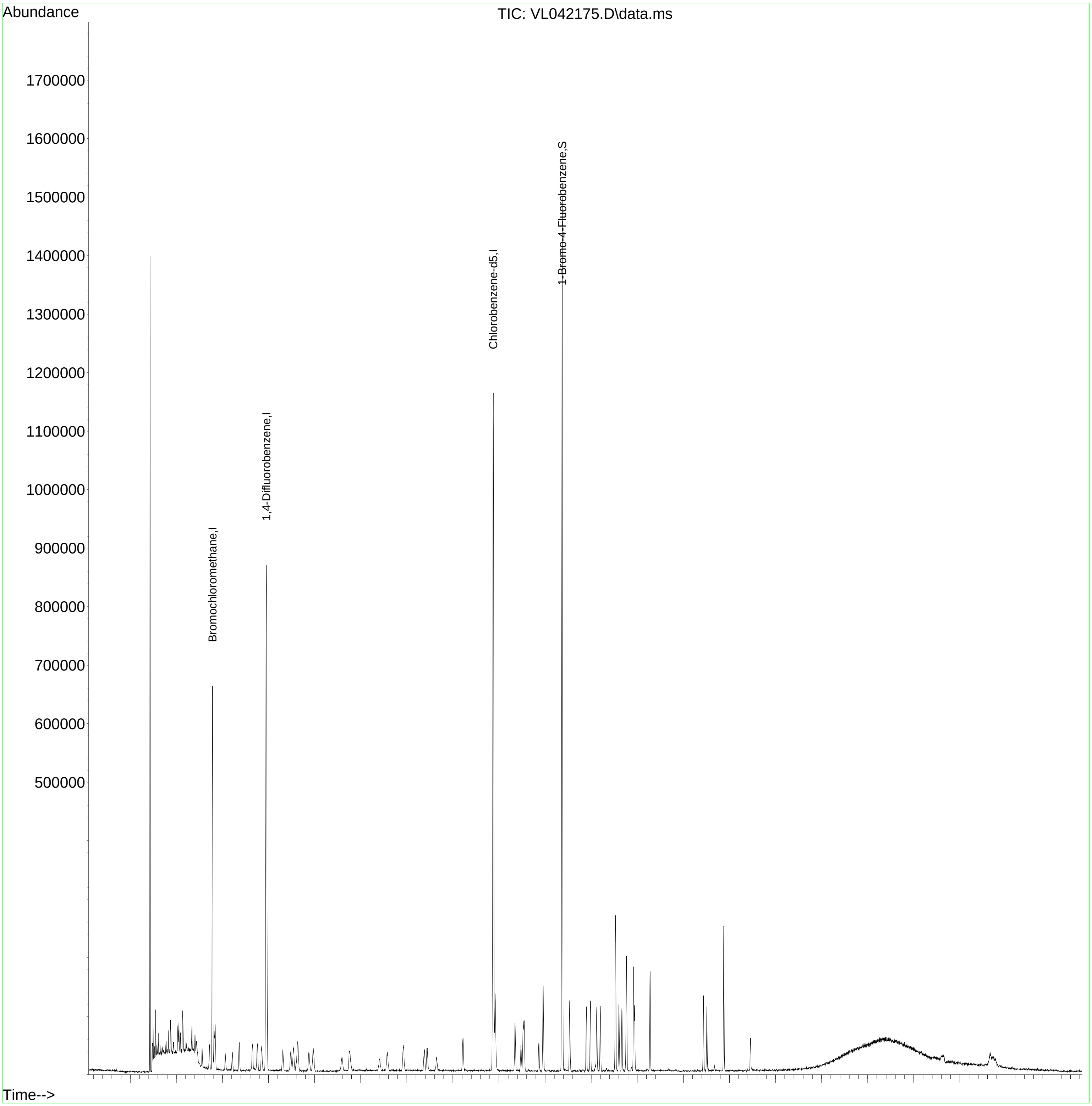
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	180740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	528028	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	481506	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	398069	10.067	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	1274	0.115	ppbv #	42
32) 1,1,1-Trichloroethane	3.366	97	4509m	0.106	ppbv	
35) Carbon Tetrachloride	3.768	117	4131m	0.102	ppbv	
38) Trichloroethene	4.551	130	2306m	0.106	ppbv	
52) Tetrachloroethene	8.225	164	1895m	0.091	ppbv	
54) 1,2-Dibromoethane	7.652	107	3033m	0.108	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3852m	0.093	ppbv	
79) Naphthalene	13.513	128	7882	0.084	ppbv #	92

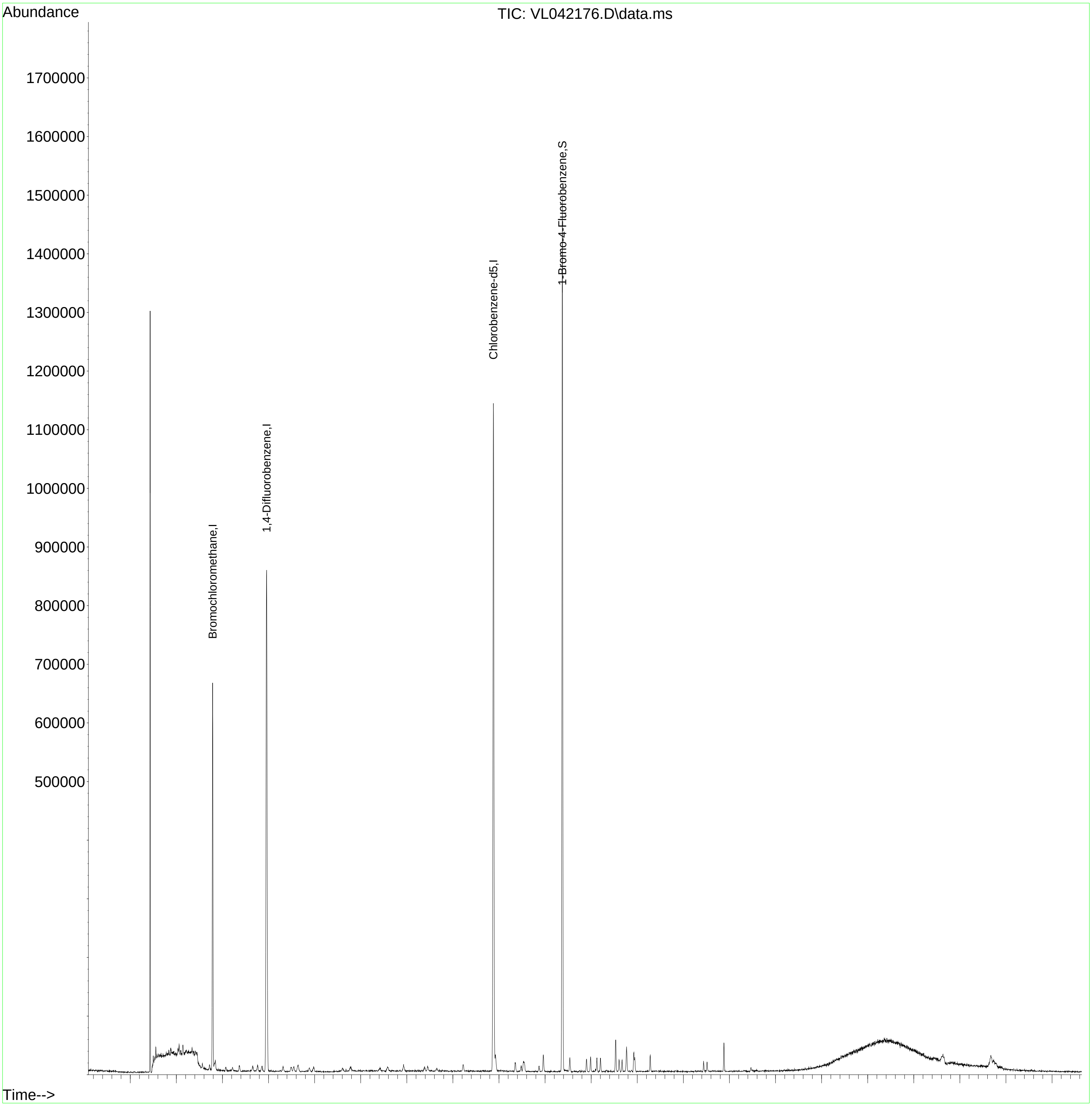
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On    : 27 Mar 2025  11:03
Operator  : SY/MD
Sample    : VSTDICC0.03
Misc      : 400mL/MSVOA_L
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Mar 28 01:36:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

```
       Compound                    R.T. QIon  Response  Conc Units Dev(Min)
------------------------------------------------------------------------------
Internal Standards
  1) Bromochloromethane          2.787   49   178058    10.000 ppbv     0.00
 33) 1,4-Difluorobenzene         3.955  114   512915    10.000 ppbv     0.00
 55) Chlorobenzene-d5            8.878  117   475617    10.000 ppbv     0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene    10.374   95   389935     9.983 ppbv    0.00
  Spiked Amount     10.000   Range  65 - 135    Recovery    =   99.800%

Target Compounds                                                    Qvalue
  5) Vinyl Chloride              1.580   62      471m    0.043 ppbv
 32) 1,1,1-Trichloroethane       3.366   97     1683m    0.040 ppbv
 35) Carbon Tetrachloride        3.758  117     1645m    0.042 ppbv
 38) Trichloroethene             4.541  130      712m    0.034 ppbv
 52) Tetrachloroethene           8.208  164      880m    0.044 ppbv
 63) 1,1,2,2-Tetrachloroethane   9.963   83     1407m    0.034 ppbv
------------------------------------------------------------------------------

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

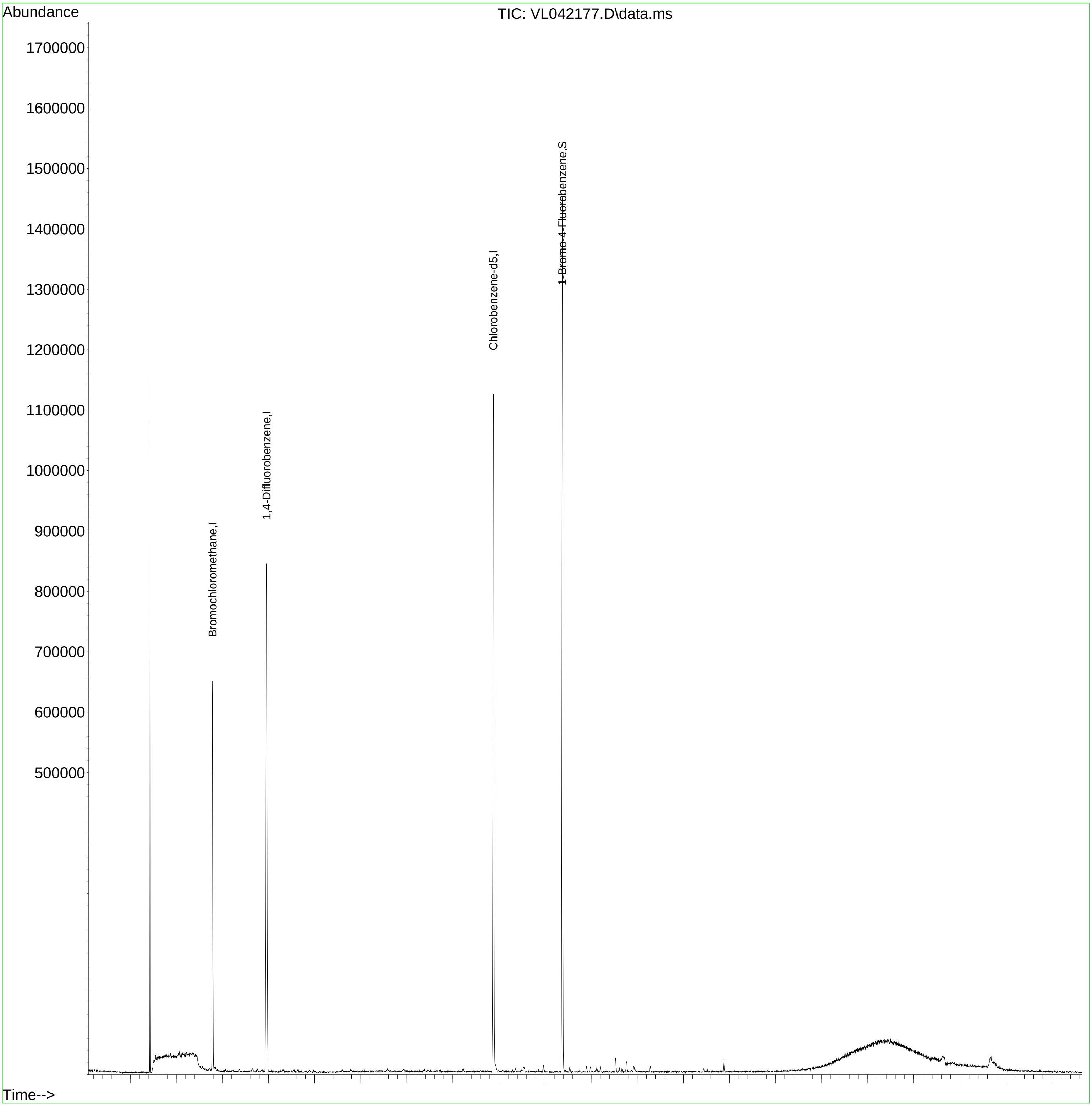
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On : 27 Mar 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:36:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.784	49	173372	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	499360	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.878	117	473077	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.374	95	387777	9.981 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.495	85	358962	14.023 ppbv	99
3) Chlorodifluoromethane	1.473	51	366164	14.002 ppbv	98
4) Chloromethane	1.531	50	148133	14.160 ppbv	98
5) Vinyl Chloride	1.576	62	141938	13.304 ppbv	97
6) Bromomethane	1.667	94	65113	13.734 ppbv	99
7) Chloroethane	1.703	64	58820	14.007 ppbv	99
8) Dichlorotetrafluoroethane	1.550	85	314834	14.442 ppbv	98
9) Propene	1.482	41	163799	13.902 ppbv	95
10) Heptane	4.972	43	446949	14.019 ppbv	99
11) Trichlorofluoromethane	1.874	101	349967	14.050 ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	295217	14.419 ppbv	99
13) Ethanol	1.719	45	7382	8.001 ppbv	92
14) Bromoethene	1.780	108	106436	13.571 ppbv	98
15) Acetone	1.832	43	296254	12.218 ppbv	98
16) 1,3-Butadiene	1.605	39	150122	13.766 ppbv	100
17) tert-Butyl alcohol	2.039	59	416362	13.787 ppbv	99
18) 1,1-Dichloroethene	2.029	96	131720	13.762 ppbv	99
19) Isopropyl Alcohol	1.884	45	179117	13.093 ppbv	100
20) Methylene Chloride	2.059	84	113183	12.533 ppbv	95
21) Allyl Chloride	2.094	41	239440	14.002 ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	149455	13.362 ppbv	98
23) Vinyl Acetate	2.460	43	138419	13.736 ppbv #	96
24) 1,1-Dichloroethane	2.405	63	298760	14.570 ppbv	99
25) Ethyl Acetate	2.832	43	871882	13.855 ppbv	100
26) Hexane	2.822	57	344636	14.178 ppbv	98
27) Carbon Disulfide	2.146	76	370022	14.196 ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	216463	14.303 ppbv	95
29) Chloroform	2.845	83	508614	14.297 ppbv	100
30) Cyclohexane	3.852	84	296458	14.040 ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	351945	14.262 ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	547329	13.448 ppbv	99
34) 2-Butanone	2.554	43	497020	13.726 ppbv	99
35) Carbon Tetrachloride	3.758	117	543385	14.140 ppbv	100
36) Benzene	3.651	78	699549	14.131 ppbv	98
37) 1,2-Dichloroethane	3.214	62	416544	14.697 ppbv	99
38) Trichloroethene	4.541	130	283430	13.715 ppbv	98
39) 1,2-Dichloropropane	4.308	63	257891	14.304 ppbv	99
40) 1,4-Dioxane	4.577	88	124925	13.354 ppbv #	91
41) Tetrahydrofuran	3.049	42	294634	14.301 ppbv	100
42) Bromodichloromethane	4.483	83	587772	15.043 ppbv	99
43) Methyl Methacrylate	4.874	69	295300	14.130 ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	1180275	14.108 ppbv	99
45) t-1,3-Dichloropropene	6.405	75	329360	14.649 ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	400813	14.542 ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	273137	14.331 ppbv	98
48) Dibromochloromethane	7.383	129	482431	14.936 ppbv	100
49) Bromoform	9.480	173	427143	14.730 ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	755146	13.155 ppbv	99
51) 2-Hexanone	7.431	43	619419	13.005 ppbv #	99
52) Tetrachloroethene	8.221	164	258356	13.159 ppbv	95
53) Toluene	6.926	91	829648	14.137 ppbv	100
54) 1,2-Dibromoethane	7.645	107	381823	14.359 ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	365410	14.032 ppbv	99
57) Chlorobenzene	8.917	112	618201	13.777 ppbv	100
58) Ethyl Benzene	9.351	91	1167096	13.889 ppbv	97
59) m/p-Xylene	9.548	91	1857561m	27.651 ppbv	
60) o-Xylene	9.962	91	913234	13.577 ppbv	99
61) Styrene	9.865	104	474195	14.250 ppbv	99
62) Isopropylbenzene	10.535	105	1362416	13.544 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	551386	13.491 ppbv	99
64) n-propylbenzene	10.985	120	356118	13.753 ppbv	94
65) tert-Butylbenzene	11.529	119	1200149	12.901 ppbv	98
66) Benzyl Chloride	11.613	91	134397	13.615 ppbv	100
67) sec-Butylbenzene	11.765	105	1643629	12.711 ppbv	99
69) p-Isopropyltoluene	11.924	119	1437016	12.906 ppbv	98
70) n-Butylbenzene	12.280	91	1477443	12.975 ppbv	99
71) 2-Chlorotoluene	10.898	91	1071432	13.724 ppbv	99
72) 4-Ethyltoluene	11.121	105	1136415	13.569 ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	979783	13.395 ppbv	99
74) 1,2,4-Trimethylbenzene	11.535	105	1048874	12.447 ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	626015	13.545 ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	628694	13.668 ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	602844	13.396 ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	556392	12.147 ppbv	99
79) Naphthalene	13.513	128	1258479	13.653 ppbv	98
80) Naphthalene,2-methyl-	14.455	142	718900	16.018 ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	598416	14.075 ppbv	99

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

Quantitation Report (QT Reviewed)

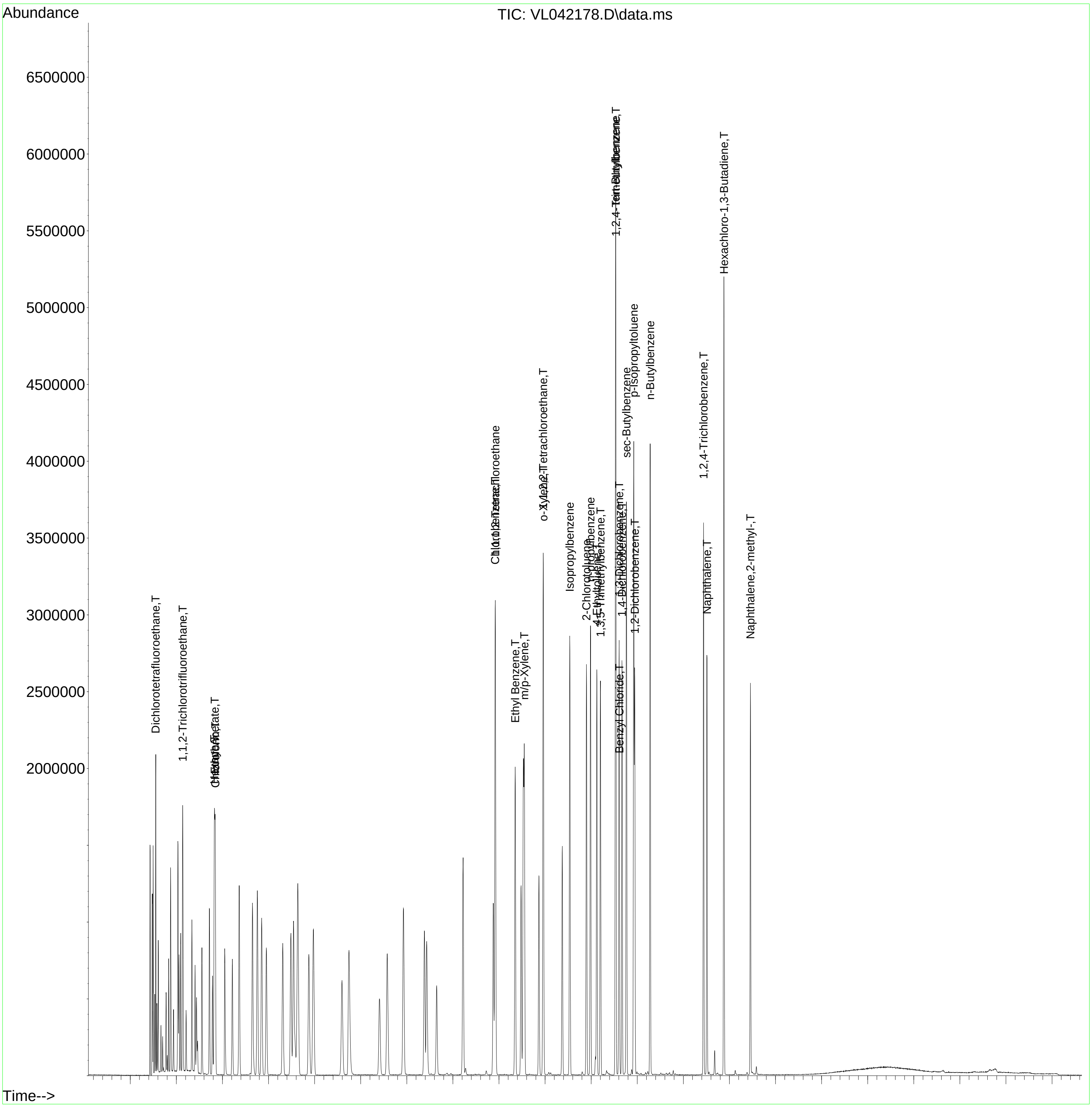
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On    : 27 Mar 2025  12:23
Operator  : SY/MD
Sample    : VSTDICV010
Misc      : 400mL/MSVOA_L
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

```
       Compound                    R.T. QIon  Response  Conc Units Dev(Min)
--------------------------------------------------------------------------
 Internal Standards
   1) Bromochloromethane          2.784   49   174350    10.000 ppbv     0.00
  33) 1,4-Difluorobenzene         3.952  114   498105    10.000 ppbv     0.00
  55) Chlorobenzene-d5            8.878  117   473357    10.000 ppbv     0.00

 System Monitoring Compounds
  68) 1-Bromo-4-Fluorobenzene    10.374   95   379929     9.774 ppbv    0.00
   Spiked Amount     10.000   Range  65 - 135    Recovery    =    97.700%

 Target Compounds                                                 Qvalue
   2) Dichlorodifluoromethane     1.496   85   245714     9.545 ppbv     100
   3) Chlorodifluoromethane       1.473   51   247046     9.394 ppbv      97
   4) Chloromethane               1.531   50    98527     9.365 ppbv      98
   5) Vinyl Chloride              1.577   62    95578     8.573 ppbv      97
   6) Bromomethane                1.667   94    41950     8.799 ppbv      97
   7) Chloroethane                1.703   64    37400     8.856 ppbv      94
   8) Dichlorotetrafluoroethane   1.551   85   213819     9.753 ppbv      95
   9) Propene                     1.483   41   105338     8.739 ppbv      99
  10) Heptane                     4.972   43   298768     9.318 ppbv     100
  11) Trichlorofluoromethane      1.874  101   236793     9.453 ppbv      97
  12) 1,1,2-Trichlorotrifluo...   2.136  101   193965     9.421 ppbv      98
  13) Ethanol                     1.719   45     5773     5.066 ppbv      97
  14) Bromoethene                 1.780  108    73572     9.328 ppbv      97
  15) Acetone                     1.832   43   198300     8.132 ppbv      98
  16) 1,3-Butadiene               1.606   39    97840     8.216 ppbv      99
  17) tert-Butyl alcohol          2.039   59   276195     9.094 ppbv      99
  18) 1,1-Dichloroethene          2.033   96    87137     9.053 ppbv      89
  19) Isopropyl Alcohol           1.884   45   122768     8.923 ppbv      98
  20) Methylene Chloride          2.059   84    72813     8.018 ppbv      97
  21) Allyl Chloride              2.094   41   157418     9.154 ppbv      99
  22) trans-1,2-Dichloroethene    2.337   96   101141     9.092 ppbv      93
  23) Vinyl Acetate               2.460   43    90260     8.553 ppbv #    97
  24) 1,1-Dichloroethane          2.405   63   197968     9.600 ppbv      99
  25) Ethyl Acetate               2.832   43   592585     9.364 ppbv      99
  26) Hexane                      2.823   57   231125     9.455 ppbv      99
  27) Carbon Disulfide            2.146   76   248834     9.493 ppbv      97
  28) Methyl tert-Butyl Ether     2.437   73   146470     9.624 ppbv      95
  29) Chloroform                  2.845   83   344106     9.619 ppbv     100
  30) Cyclohexane                 3.852   84   197897     9.323 ppbv      98
  31) cis-1,2-Dichloroethene      2.719   61   234487     9.449 ppbv      96
  32) 1,1,1-Trichloroethane       3.363   97   365364     8.921 ppbv      99
  34) 2-Butanone                  2.554   43   331236     9.171 ppbv      99
  35) Carbon Tetrachloride        3.758  117   363392     9.339 ppbv      98
  36) Benzene                     3.651   78   461261     9.341 ppbv      99
  37) 1,2-Dichloroethane          3.217   62   273559     9.676 ppbv      99
  38) Trichloroethene             4.541  130   191746     9.306 ppbv      97
  39) 1,2-Dichloropropane         4.311   63   170839     9.500 ppbv      95
  40) 1,4-Dioxane                 4.577   88    80592     8.443 ppbv #    97
  41) Tetrahydrofuran             3.052   42   196163     9.431 ppbv      99
  42) Bromodichloromethane        4.486   83   384006     9.853 ppbv     100
  43) Methyl Methacrylate         4.878   69   195339     9.344 ppbv      99
  44) 2,2,4-Trimethylpentane      4.635   57   787400     9.436 ppbv      99
  45) t-1,3-Dichloropropene       6.409   75   212335     9.467 ppbv      99
```

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	265101	9.643 ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	183228	9.638 ppbv	98
48) Dibromochloromethane	7.383	129	322766	10.018 ppbv	100
49) Bromoform	9.480	173	285149	9.858 ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	500791	8.749 ppbv	99
51) 2-Hexanone	7.432	43	410889	8.741 ppbv #	99
52) Tetrachloroethene	8.221	164	173420	8.855 ppbv	93
53) Toluene	6.927	91	556897	9.514 ppbv	99
54) 1,2-Dibromoethane	7.645	107	256930	9.695 ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	249270	9.567 ppbv	99
57) Chlorobenzene	8.917	112	422531	9.411 ppbv	98
58) Ethyl Benzene	9.351	91	791360	9.412 ppbv	98
59) m/p-Xylene	9.548	91	1260340m	18.772 ppbv	
60) o-Xylene	9.959	91	632918	9.404 ppbv	99
61) Styrene	9.866	104	315910	9.488 ppbv	99
62) Isopropylbenzene	10.539	105	944938	9.388 ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	382635	9.357 ppbv	99
64) n-propylbenzene	10.985	120	244547	9.439 ppbv	98
65) tert-Butylbenzene	11.529	119	843828	9.065 ppbv	98
66) Benzyl Chloride	11.613	91	86804	8.789 ppbv	97
67) sec-Butylbenzene	11.765	105	1172636	9.063 ppbv	100
69) p-Isopropyltoluene	11.924	119	1019694	9.153 ppbv	100
70) n-Butylbenzene	12.280	91	1038548	9.115 ppbv	100
71) 2-Chlorotoluene	10.898	91	732874	9.382 ppbv	100
72) 4-Ethyltoluene	11.125	105	785185	9.370 ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	673541	9.203 ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	729155	8.648 ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	426573	9.224 ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	426318	9.263 ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	412180	9.154 ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	356386	7.776 ppbv	100
79) Naphthalene	13.513	128	773311	8.385 ppbv	99
80) Naphthalene,2-methyl-	14.455	142	323443	7.151 ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	363863	8.553 ppbv	98

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

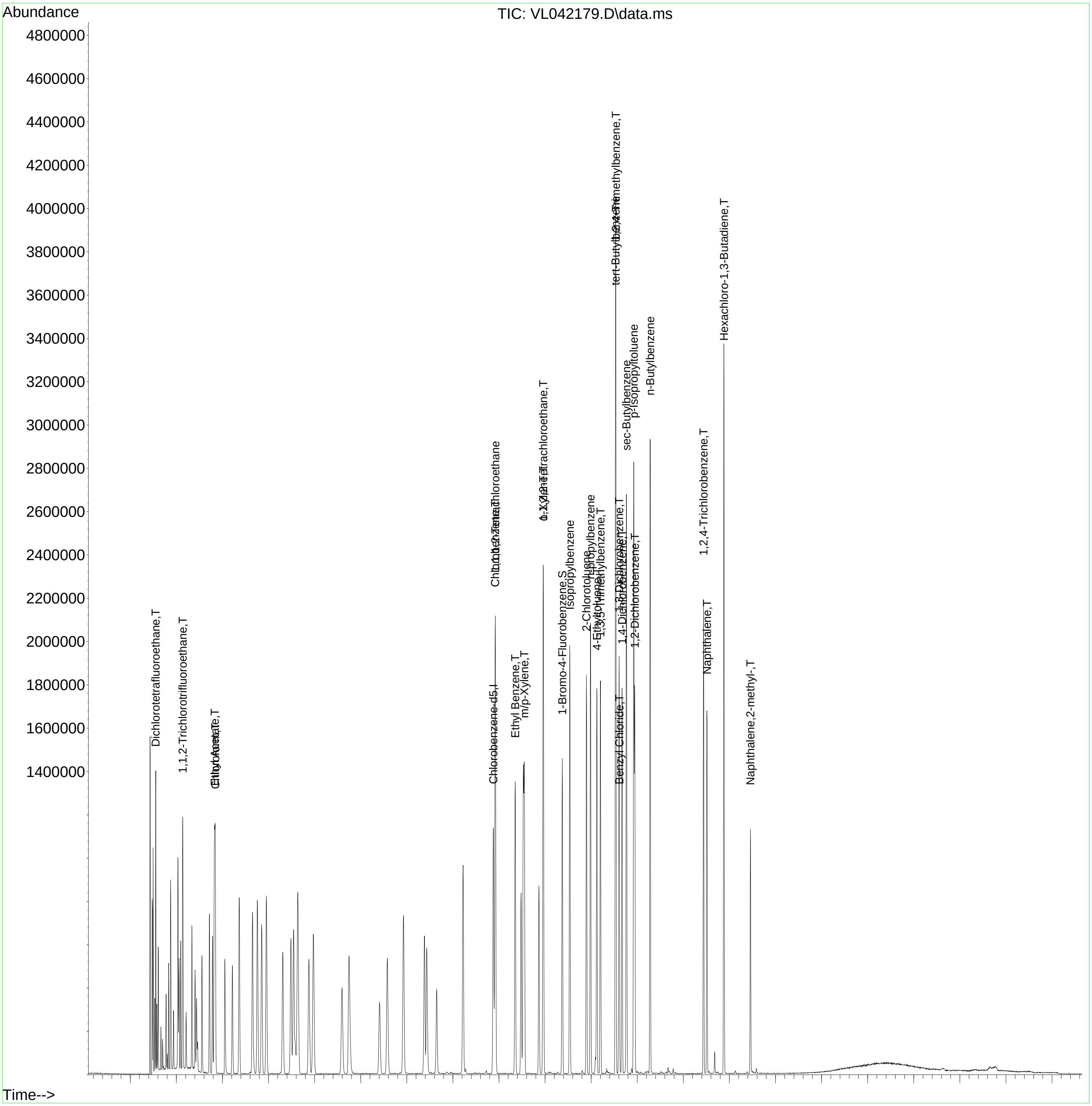
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 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	1.476	1.409	4.5	94	0.00
3		Chlorodifluoromethane	1.508	1.417	6.0	91	0.00
4		Chloromethane	0.603	0.565	6.3	92	0.00
5	T	Vinyl Chloride	0.639	0.548	14.2	93	0.00
6	T	Bromomethane	0.273	0.241	11.7	87	0.00
7		Chloroethane	0.242	0.215	11.2	88	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.226	2.5	94	0.00
9	T	Propene	0.691	0.604	12.6	85	0.00
10	T	Heptane	1.839	1.714	6.8	89	0.00
11	T	Trichlorofluoromethane	1.437	1.358	5.5	95	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.113	5.8	93	0.00
13		Ethanol	0.065	0.033#	49.2#	108	0.00
14	T	Bromoethene	0.452	0.422	6.6	94	0.00
15	T	Acetone	1.399	1.137	18.7	95	0.00
16	T	1,3-Butadiene	0.683	0.561	17.9	91	0.00
17		tert-Butyl alcohol	1.742	1.584	9.1	91	0.00
18	T	1,1-Dichloroethene	0.552	0.500	9.4	92	0.00
19	T	Isopropyl Alcohol	0.789	0.704	10.8	93	0.00
20	T	Methylene Chloride	0.521	0.418	19.8	89	0.00
21	T	Allyl Chloride	0.986	0.903	8.4	93	0.00
22	T	trans-1,2-Dichloroethene	0.638	0.580	9.1	92	0.00
23	T	Vinyl Acetate	0.605	0.518	14.4	97	0.00
24	T	1,1-Dichloroethane	1.183	1.135	4.1	94	0.00
25	T	Ethyl Acetate	3.630	3.399	6.4	92	0.00
26	T	Hexane	1.402	1.326	5.4	93	0.00
27	T	Carbon Disulfide	1.503	1.427	5.1	93	0.00
28	T	Methyl tert-Butyl Ether	0.873	0.840	3.8	94	0.00
29	T	Chloroform	2.052	1.974	3.8	95	0.00
30	T	Cyclohexane	1.217	1.135	6.7	91	0.00
31	T	cis-1,2-Dichloroethene	1.423	1.345	5.5	91	0.00
32	T	1,1,1-Trichloroethane	2.349	2.096	10.8	95	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.725	0.665	8.3	91	0.00
35	T	Carbon Tetrachloride	0.781	0.730	6.5	95	0.00
36	T	Benzene	0.991	0.926	6.6	91	0.00
37	T	1,2-Dichloroethane	0.568	0.549	3.3	93	0.00
38	T	Trichloroethene	0.414	0.385	7.0	94	0.00
39	T	1,2-Dichloropropane	0.361	0.343	5.0	93	0.00
40	T	1,4-Dioxane	0.192	0.162	15.6	87	0.00
41	T	Tetrahydrofuran	0.418	0.394	5.7	90	0.00
42	T	Bromodichloromethane	0.782	0.771	1.4	92	0.00
43		Methyl Methacrylate	0.420	0.392	6.7	89	0.00
44	T	2,2,4-Trimethylpentane	1.675	1.581	5.6	90	0.00
45	T	t-1,3-Dichloropropene	0.450	0.426	5.3	89	0.00
46	T	cis-1,3-Dichloropropene	0.552	0.532	3.6	88	0.00
47	T	1,1,2-Trichloroethane	0.382	0.368	3.7	92	0.00
48	T	Dibromochloromethane	0.647	0.648	-0.2	93	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 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	0.581	0.572	1.5	90	0.00
50	T	4-Methyl-2-Pentanone	1.149	1.005	12.5	89	0.00
51	T	2-Hexanone	0.944	0.825	12.6	89	0.00
52	T	Tetrachloroethene	0.393	0.348	11.5	93	0.00
53	T	Toluene	1.175	1.118	4.9	91	0.00
54	T	1,2-Dibromoethane	0.532	0.516	3.0	93	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
56		1,1,1,2-Tetrachloroethane	0.550	0.527	4.2	94	0.00
57	T	Chlorobenzene	0.949	0.893	5.9	93	0.00
58	T	Ethyl Benzene	1.776	1.672	5.9	91	0.00
59	T	m/p-Xylene	1.418	1.331	6.1	92	0.00
60	T	o-Xylene	1.422	1.337	6.0	92	0.00
61	T	Styrene	0.703	0.667	5.1	89	0.00
62		Isopropylbenzene	2.126	1.996	6.1	93	0.00
63	T	1,1,2,2-Tetrachloroethane	0.864	0.808	6.5	93	0.00
64		n-propylbenzene	0.547	0.517	5.5	94	0.00
65		tert-Butylbenzene	1.966	1.783	9.3	94	0.00
66	T	Benzyl Chloride	0.209	0.183	12.4	82	0.00
67		sec-Butylbenzene	2.733	2.477	9.4	94	0.00
68	S	1-Bromo-4-Fluorobenzene	0.821	0.803	2.2	90	0.00
69		p-Isopropyltoluene	2.354	2.154	8.5	94	0.00
70		n-Butylbenzene	2.407	2.194	8.8	94	0.00
71		2-Chlorotoluene	1.650	1.548	6.2	92	0.00
72	T	4-Ethyltoluene	1.770	1.659	6.3	93	0.00
73	T	1,3,5-Trimethylbenzene	1.546	1.423	8.0	93	0.00
74	T	1,2,4-Trimethylbenzene	1.781	1.540	13.5	93	0.00
75	T	1,3-Dichlorobenzene	0.977	0.901	7.8	93	0.00
76	T	1,4-Dichlorobenzene	0.972	0.901	7.3	92	0.00
77	T	1,2-Dichlorobenzene	0.951	0.871	8.4	93	0.00
78	T	Hexachloro-1,3-Butadiene	0.968	0.753	22.2	86	0.00
79	T	Naphthalene	1.948	1.634	16.1	82	0.00
80	T	Naphthalene,2-methyl-	0.955	0.683	28.5	63	0.00
81	T	1,2,4-Trichlorobenzene	0.899	0.769	14.5	82	0.00

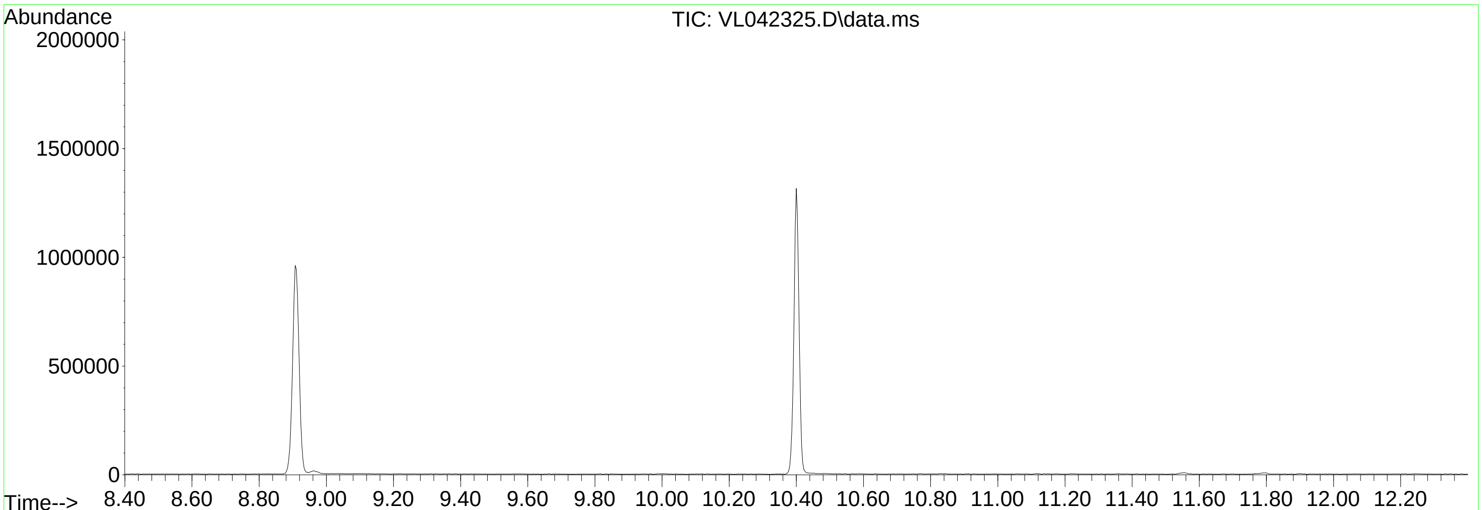
(#) = Out of Range SPCC's out = 0 CCC's out = 0

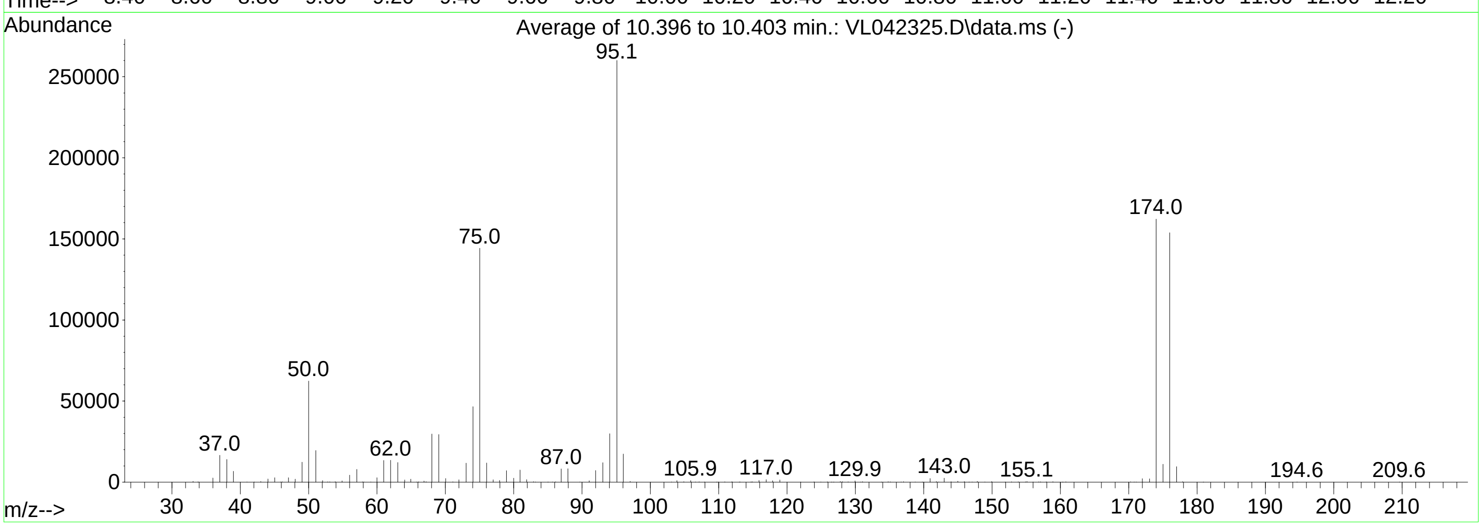
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042325.D
Acq On : 15 Apr 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025





AutoFind: Scans 3185, 3186, 3187; Background Corrected with Scan 3171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.0	62363	PASS
75	95	30	66	55.5	144299	PASS
95	95	100	100	100.0	260117	PASS
96	95	5	9	6.7	17331	PASS
173	174	0.00	2	1.3	2038	PASS
174	95	50	120	62.4	162261	PASS
175	174	4	9	6.8	11092	PASS
176	174	93	101	94.8	153792	PASS
177	176	5	9	6.2	9603	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.806	49	172263	10.000 ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	457227	10.000 ppbv	0.04
55) Chlorobenzene-d5	8.911	117	411493	10.000 ppbv	0.04
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.403	95	325960	9.646 ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery =	96.500%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.505	85	214541	8.435 ppbv	99
3) Chlorodifluoromethane	1.483	51	235250	9.054 ppbv	98
4) Chloromethane	1.541	50	89653	8.625 ppbv	98
5) Vinyl Chloride	1.589	62	83204	7.554 ppbv	96
6) Bromomethane	1.677	94	36297	7.705 ppbv	99
7) Chloroethane	1.716	64	32145	7.704 ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	182884	8.443 ppbv	94
9) Propene	1.492	41	101034	8.483 ppbv	98
10) Heptane	5.020	43	276748	8.736 ppbv	98
11) Trichlorofluoromethane	1.887	101	202387	8.178 ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.153	101	157030	7.719 ppbv	98
13) Ethanol	1.732	45	4440	3.944 ppbv	93
14) Bromoethene	1.793	108	59588	7.646 ppbv	99
15) Acetone	1.845	43	183439	7.614 ppbv	96
16) 1,3-Butadiene	1.619	39	90954	7.731 ppbv	100
17) tert-Butyl alcohol	2.052	59	209737	6.990 ppbv	100
18) 1,1-Dichloroethene	2.046	96	72322	7.605 ppbv	96
19) Isopropyl Alcohol	1.897	45	104424	7.682 ppbv	98
20) Methylene Chloride	2.075	84	60337	6.725 ppbv	90
21) Allyl Chloride	2.111	41	132956	7.825 ppbv	98
22) trans-1,2-Dichloroethene	2.357	96	81572	7.422 ppbv	96
23) Vinyl Acetate	2.480	43	72160	6.920 ppbv	97
24) 1,1-Dichloroethane	2.425	63	169411	8.315 ppbv	100
25) Ethyl Acetate	2.855	43	564611	9.030 ppbv	99
26) Hexane	2.845	57	213782	8.851 ppbv	98
27) Carbon Disulfide	2.166	76	195452	7.547 ppbv	97
28) Methyl tert-Butyl Ether	2.457	73	116301	7.734 ppbv	96
29) Chloroform	2.868	83	314164	8.888 ppbv	100
30) Cyclohexane	3.884	84	173360	8.266 ppbv	98
31) cis-1,2-Dichloroethene	2.739	61	208160	8.490 ppbv	96
32) 1,1,1-Trichloroethane	3.392	97	311758	7.704 ppbv	98
34) 2-Butanone	2.577	43	317117	9.565 ppbv	97
35) Carbon Tetrachloride	3.790	117	317942	8.902 ppbv	99
36) Benzene	3.684	78	424254	9.360 ppbv	94
37) 1,2-Dichloroethane	3.243	62	239556	9.231 ppbv	100
38) Trichloroethene	4.583	130	172146	9.102 ppbv	96
39) 1,2-Dichloropropane	4.350	63	151707	9.190 ppbv	96
40) 1,4-Dioxane	4.622	88	72075	8.226 ppbv #	98
41) Tetrahydrofuran	3.075	42	181471	9.505 ppbv	95
42) Bromodichloromethane	4.525	83	333167	9.313 ppbv	97
43) Methyl Methacrylate	4.923	69	155399	8.098 ppbv	96
44) 2,2,4-Trimethylpentane	4.677	57	728571	9.511 ppbv	99
45) t-1,3-Dichloropropene	6.461	75	151063	7.338 ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.648	75	204339	8.097 ppbv	98
47) 1,1,2-Trichloroethane	6.626	97	163132	9.348 ppbv	97
48) Dibromochloromethane	7.425	129	272592	9.217 ppbv	99
49) Bromoform	9.513	173	238880	8.997 ppbv	100
50) 4-Methyl-2-Pentanone	5.800	43	442851	8.428 ppbv	97
51) 2-Hexanone	7.474	43	353471	8.192 ppbv #	97
52) Tetrachloroethene	8.260	164	144481	8.037 ppbv	98
53) Toluene	6.975	91	461854	8.595 ppbv	100
54) 1,2-Dibromoethane	7.687	107	220075	9.047 ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.956	131	214175	9.455 ppbv	99
57) Chlorobenzene	8.953	112	375357	9.617 ppbv	97
58) Ethyl Benzene	9.383	91	639857	8.754 ppbv	99
59) m/p-Xylene	9.581	91	1063509m	18.222 ppbv	
60) o-Xylene	9.992	91	528896	9.040 ppbv	95
61) Styrene	9.898	104	245300	8.474 ppbv	97
62) Isopropylbenzene	10.565	105	794408	9.079 ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.992	83	343786	9.671 ppbv	100
64) n-propylbenzene	11.015	120	212879	9.452 ppbv	95
65) tert-Butylbenzene	11.555	119	721078	8.911 ppbv	97
66) Benzyl Chloride	11.639	91	54427	6.339 ppbv	98
67) sec-Butylbenzene	11.791	105	1026079	9.123 ppbv	99
69) p-Isopropyltoluene	11.947	119	865385	8.935 ppbv	99
70) n-Butylbenzene	12.303	91	884265	8.928 ppbv	99
71) 2-Chlorotoluene	10.927	91	599592	8.830 ppbv	98
72) 4-Ethyltoluene	11.147	105	657765	9.029 ppbv	99
73) 1,3,5-Trimethylbenzene	11.228	105	557593	8.764 ppbv	99
74) 1,2,4-Trimethylbenzene	11.558	105	623563	8.507 ppbv #	86
75) 1,3-Dichlorobenzene	11.630	146	381572	9.492 ppbv	98
76) 1,4-Dichlorobenzene	11.694	146	380035	9.499 ppbv	98
77) 1,2-Dichlorobenzene	11.969	146	379896	9.706 ppbv	97
78) Hexachloro-1,3-Butadiene	13.902	225	311900	7.828 ppbv	99
79) Naphthalene	13.533	128	760876	9.490 ppbv	99
80) Naphthalene,2-methyl-	14.478	142	365398	9.294 ppbv	98
81) 1,2,4-Trichlorobenzene	13.461	180	337032	9.114 ppbv	99

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

Quantitation Report (QT Reviewed)

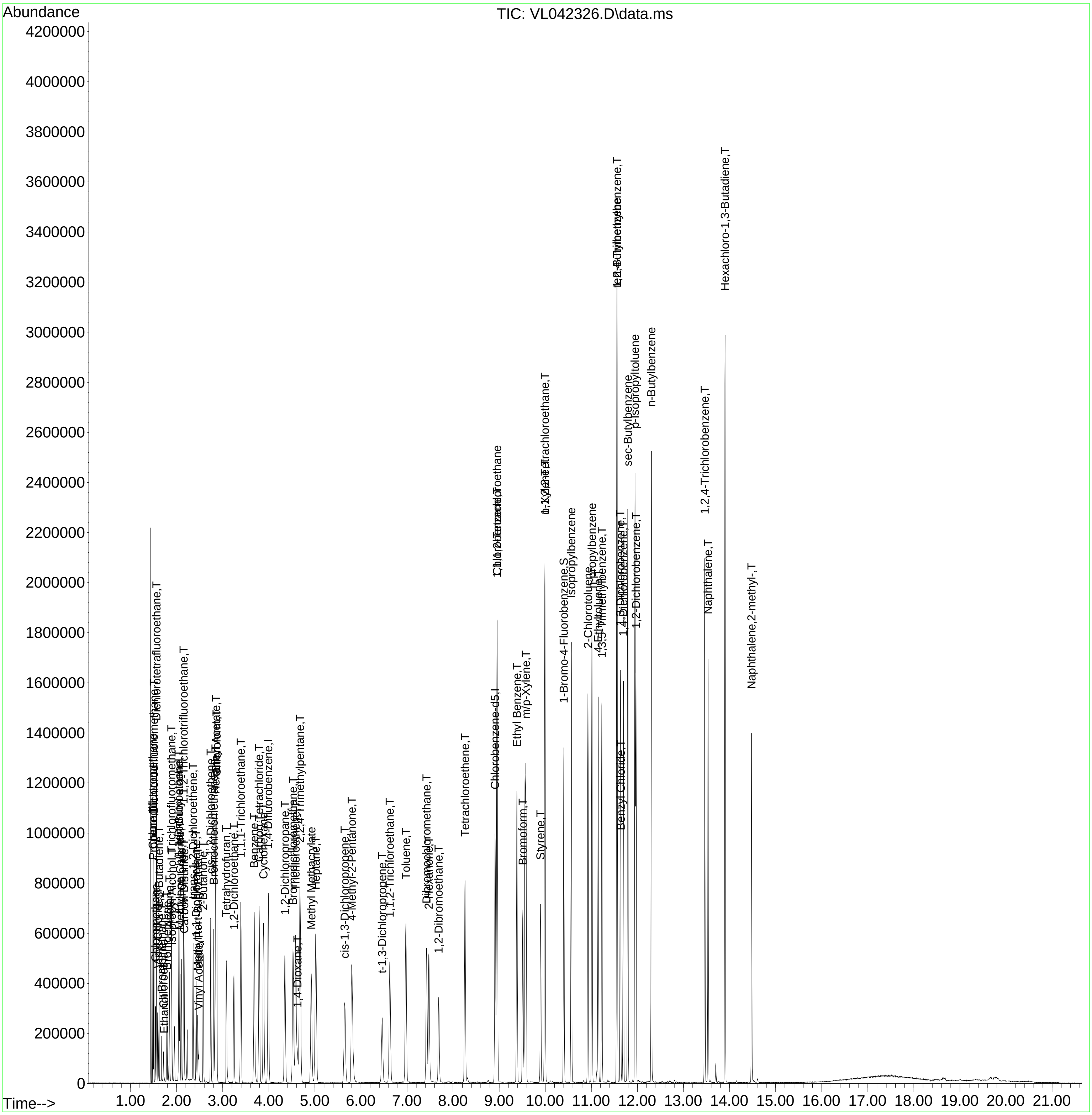
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	92	0.02
2	T	Dichlorodifluoromethane	1.476	1.245	15.7	82	0.00
3		Chlorodifluoromethane	1.508	1.366	9.4	86	0.00
4		Chloromethane	0.603	0.520	13.8	84	0.00
5	T	Vinyl Chloride	0.639	0.483	24.4	81	0.01
6	T	Bromomethane	0.273	0.211	22.7	76	0.01
7		Chloroethane	0.242	0.187	22.7	76	0.01
8	T	Dichlorotetrafluoroethane	1.257	1.062	15.5	81	0.01
9	T	Propene	0.691	0.587	15.1	82	0.00
10	T	Heptane	1.839	1.607	12.6	83	0.05
11	T	Trichlorofluoromethane	1.437	1.175	18.2	81	0.01
12	T	1,1,2-Trichlorotrifluoroeth	1.181	0.912	22.8	75	0.02
13		Ethanol	0.065	0.026#	60.0#	83	0.01
14	T	Bromoethene	0.452	0.346	23.5	76	0.02
15	T	Acetone	1.399	1.065	23.9	88	0.01
16	T	1,3-Butadiene	0.683	0.528	22.7	85	0.01
17		tert-Butyl alcohol	1.742	1.218	30.1#	69	0.02
18	T	1,1-Dichloroethene	0.552	0.420	23.9	77	0.02
19	T	Isopropyl Alcohol	0.789	0.606	23.2	79	0.01
20	T	Methylene Chloride	0.521	0.350	32.8#	74	0.02
21	T	Allyl Chloride	0.986	0.772	21.7	79	0.02
22	T	trans-1,2-Dichloroethene	0.638	0.474	25.7	74	0.02
23	T	Vinyl Acetate	0.605	0.419	30.7#	78	0.02
24	T	1,1-Dichloroethane	1.183	0.983	16.9	81	0.02
25	T	Ethyl Acetate	3.630	3.278	9.7	87	0.02
26	T	Hexane	1.402	1.241	11.5	86	0.02
27	T	Carbon Disulfide	1.503	1.135	24.5	73	0.02
28	T	Methyl tert-Butyl Ether	0.873	0.675	22.7	75	0.02
29	T	Chloroform	2.052	1.824	11.1	87	0.02
30	T	Cyclohexane	1.217	1.006	17.3	80	0.03
31	T	cis-1,2-Dichloroethene	1.423	1.208	15.1	81	0.02
32	T	1,1,1-Trichloroethane	2.349	1.810	22.9	81	0.03
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.04
34	T	2-Butanone	0.725	0.694	4.3	87	0.02
35	T	Carbon Tetrachloride	0.781	0.695	11.0	83	0.03
36	T	Benzene	0.991	0.928	6.4	83	0.03
37	T	1,2-Dichloroethane	0.568	0.524	7.7	82	0.03
38	T	Trichloroethene	0.414	0.377	8.9	84	0.04
39	T	1,2-Dichloropropane	0.361	0.332	8.0	83	0.04
40	T	1,4-Dioxane	0.192	0.158	17.7	78	0.05
41	T	Tetrahydrofuran	0.418	0.397	5.0	84	0.03
42	T	Bromodichloromethane	0.782	0.729	6.8	80	0.04
43		Methyl Methacrylate	0.420	0.340	19.0	71	0.05
44	T	2,2,4-Trimethylpentane	1.675	1.593	4.9	83	0.04
45	T	t-1,3-Dichloropropene	0.450	0.330	26.7	63	0.05
46	T	cis-1,3-Dichloropropene	0.552	0.447	19.0	68	0.05
47	T	1,1,2-Trichloroethane	0.382	0.357	6.5	82	0.05
48	T	Dibromochloromethane	0.647	0.596	7.9	79	0.05

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 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	0.581	0.522	10.2	75	0.04
50	T	4-Methyl-2-Pentanone	1.149	0.969	15.7	79	0.05
51	T	2-Hexanone	0.944	0.773	18.1	77	0.04
52	T	Tetrachloroethene	0.393	0.316	19.6	77	0.04
53	T	Toluene	1.175	1.010	14.0	75	0.05
54	T	1,2-Dibromoethane	0.532	0.481	9.6	80	0.04
55	I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.04
56		1,1,1,2-Tetrachloroethane	0.550	0.520	5.5	81	0.04
57	T	Chlorobenzene	0.949	0.912	3.9	83	0.04
58	T	Ethyl Benzene	1.776	1.555	12.4	74	0.03
59	T	m/p-Xylene	1.418	1.292	8.9	77	0.03
60	T	o-Xylene	1.422	1.285	9.6	77	0.03
61	T	Styrene	0.703	0.596	15.2	69	0.03
62		Isopropylbenzene	2.126	1.931	9.2	78	0.03
63	T	1,1,2,2-Tetrachloroethane	0.864	0.835	3.4	83	0.03
64		n-propylbenzene	0.547	0.517	5.5	82	0.03
65		tert-Butylbenzene	1.966	1.752	10.9	80	0.03
66	T	Benzyl Chloride	0.209	0.132	36.8#	52	0.03
67		sec-Butylbenzene	2.733	2.494	8.7	82	0.03
68	S	1-Bromo-4-Fluorobenzene	0.821	0.792	3.5	77	0.03
69		p-Isopropyltoluene	2.354	2.103	10.7	80	0.02
70		n-Butylbenzene	2.407	2.149	10.7	80	0.03
71		2-Chlorotoluene	1.650	1.457	11.7	75	0.03
72	T	4-Ethyltoluene	1.770	1.598	9.7	78	0.03
73	T	1,3,5-Trimethylbenzene	1.546	1.355	12.4	77	0.03
74	T	1,2,4-Trimethylbenzene	1.781	1.515	14.9	79	0.02
75	T	1,3-Dichlorobenzene	0.977	0.927	5.1	83	0.03
76	T	1,4-Dichlorobenzene	0.972	0.924	4.9	82	0.03
77	T	1,2-Dichlorobenzene	0.951	0.923	2.9	86	0.03
78	T	Hexachloro-1,3-Butadiene	0.968	0.758	21.7	75	0.02
79	T	Naphthalene	1.948	1.849	5.1	81	0.02
80	T	Naphthalene,2-methyl-	0.955	0.888	7.0	71	0.02
81	T	1,2,4-Trichlorobenzene	0.899	0.819	8.9	75	0.02

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042327.D
Acq On : 15 Apr 2025 12:12
Operator : SY/MD
Sample : VL0415ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABL01

Quant Time: Apr 16 01:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.813	49	173729	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	447320	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.917	117	385318	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	292759	9.252	ppbv	0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.500%			

Target Compounds Qvalue

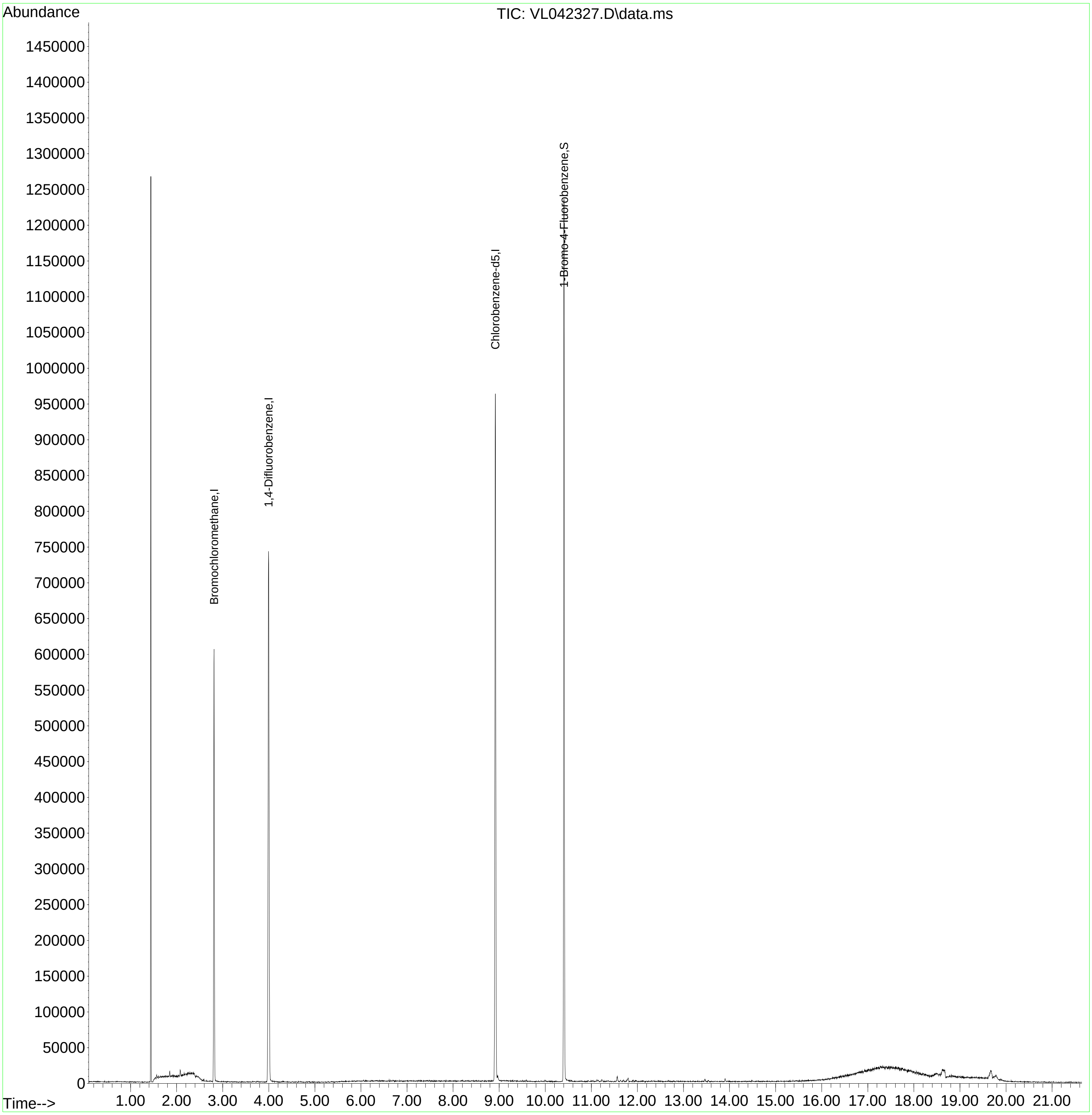
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042327.D
Acq On : 15 Apr 2025 12:12
Operator : SY/MD
Sample : VL0415ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABL01

Quant Time: Apr 16 01:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042328.D
Acq On    : 15 Apr 2025  12:54
Operator  : SY/MD
Sample    : VL0415ABS01
Misc      : 400mL/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Apr 16 01:30:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.810	49	171986	10.000 ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	444595	10.000 ppbv	0.04
55) Chlorobenzene-d5	8.917	117	399604	10.000 ppbv	0.04
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.406	95	318902	9.718 ppbv	0.04
Spiked Amount 10.000	Range 65 - 135		Recovery =	97.200%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.509	85	214241	8.437 ppbv	99
3) Chlorodifluoromethane	1.486	51	234966	9.058 ppbv	97
4) Chloromethane	1.541	50	88230	8.502 ppbv	98
5) Vinyl Chloride	1.589	62	82221	7.476 ppbv	94
6) Bromomethane	1.680	94	36050	7.665 ppbv	100
7) Chloroethane	1.716	64	33039	7.931 ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	178173	8.239 ppbv	95
9) Propene	1.492	41	94136	7.917 ppbv	99
10) Heptane	5.027	43	267288	8.451 ppbv	99
11) Trichlorofluoromethane	1.890	101	201665	8.162 ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.156	101	154306	7.598 ppbv	98
13) Ethanol	1.732	45	4407	3.921 ppbv	97
14) Bromoethene	1.793	108	57635	7.408 ppbv	99
15) Acetone	1.848	43	178724	7.430 ppbv	96
16) 1,3-Butadiene	1.619	39	89479	7.617 ppbv	96
17) tert-Butyl alcohol	2.055	59	202421	6.757 ppbv	99
18) 1,1-Dichloroethene	2.049	96	69013	7.269 ppbv	97
19) Isopropyl Alcohol	1.900	45	100289	7.390 ppbv	97
20) Methylene Chloride	2.075	84	60054	6.704 ppbv	88
21) Allyl Chloride	2.111	41	127800	7.534 ppbv	98
22) trans-1,2-Dichloroethene	2.360	96	78991	7.198 ppbv	98
23) Vinyl Acetate	2.483	43	64777	6.222 ppbv	98
24) 1,1-Dichloroethane	2.428	63	168373	8.277 ppbv	99
25) Ethyl Acetate	2.861	43	545140	8.732 ppbv	99
26) Hexane	2.848	57	205629	8.528 ppbv	97
27) Carbon Disulfide	2.166	76	191388	7.402 ppbv	99
28) Methyl tert-Butyl Ether	2.460	73	107667	7.172 ppbv	96
29) Chloroform	2.874	83	309262	8.763 ppbv	100
30) Cyclohexane	3.891	84	165914	7.924 ppbv	98
31) cis-1,2-Dichloroethene	2.742	61	197651	8.074 ppbv	99
32) 1,1,1-Trichloroethane	3.395	97	304143	7.528 ppbv	97
34) 2-Butanone	2.580	43	300576	9.323 ppbv	98
35) Carbon Tetrachloride	3.797	117	314849	9.065 ppbv	99
36) Benzene	3.690	78	407959	9.256 ppbv	98
37) 1,2-Dichloroethane	3.247	62	235609	9.337 ppbv	99
38) Trichloroethene	4.590	130	164664	8.954 ppbv	96
39) 1,2-Dichloropropane	4.354	63	149260	9.299 ppbv	97
40) 1,4-Dioxane	4.625	88	68773	8.072 ppbv #	95
41) Tetrahydrofuran	3.082	42	173776	9.361 ppbv	95
42) Bromodichloromethane	4.532	83	327497	9.414 ppbv	99
43) Methyl Methacrylate	4.930	69	151531	8.121 ppbv	98
44) 2,2,4-Trimethylpentane	4.680	57	707832	9.503 ppbv	98
45) t-1,3-Dichloropropene	6.470	75	143714	7.179 ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042328.D
Acq On   : 15 Apr 2025 12:54
Operator : SY/MD
Sample   : VL0415ABS01
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Quant Time: Apr 16 01:30:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   04/16/2025
Supervised By :Mahesh Dadoda   04/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.658	75	192419	7.841 ppbv	96
47) 1,1,2-Trichloroethane	6.635	97	163251	9.621 ppbv	98
48) Dibromochloromethane	7.428	129	266192	9.256 ppbv	100
49) Bromoform	9.519	173	236686	9.168 ppbv	99
50) 4-Methyl-2-Pentanone	5.807	43	429988	8.416 ppbv	95
51) 2-Hexanone	7.480	43	344172	8.203 ppbv #	96
52) Tetrachloroethene	8.263	164	139845	8.000 ppbv	95
53) Toluene	6.978	91	447178	8.559 ppbv	99
54) 1,2-Dibromoethane	7.694	107	214982	9.089 ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.959	131	216770	9.855 ppbv	98
57) Chlorobenzene	8.956	112	369132	9.739 ppbv	95
58) Ethyl Benzene	9.390	91	618669	8.716 ppbv	100
59) m/p-Xylene	9.584	91	1049238m	18.512 ppbv	
60) o-Xylene	9.995	91	517471	9.107 ppbv	96
61) Styrene	9.904	104	229601	8.168 ppbv	97
62) Isopropylbenzene	10.568	105	785673	9.247 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.995	83	351308	10.176 ppbv	99
64) n-propylbenzene	11.018	120	210294	9.615 ppbv	98
65) tert-Butylbenzene	11.558	119	718948	9.149 ppbv	97
66) Benzyl Chloride	11.642	91	55150	6.614 ppbv	99
67) sec-Butylbenzene	11.795	105	1018861	9.328 ppbv	100
69) p-Isopropyltoluene	11.950	119	863264	9.179 ppbv	99
70) n-Butylbenzene	12.306	91	891883	9.273 ppbv	99
71) 2-Chlorotoluene	10.930	91	590408	8.953 ppbv	99
72) 4-Ethyltoluene	11.150	105	652962	9.230 ppbv	98
73) 1,3,5-Trimethylbenzene	11.231	105	559451	9.055 ppbv	100
74) 1,2,4-Trimethylbenzene	11.565	105	632271	8.883 ppbv	97
75) 1,3-Dichlorobenzene	11.633	146	381882	9.782 ppbv	98
76) 1,4-Dichlorobenzene	11.697	146	383116	9.861 ppbv	98
77) 1,2-Dichlorobenzene	11.973	146	386768	10.175 ppbv	98
78) Hexachloro-1,3-Butadiene	13.905	225	314860	8.138 ppbv	100
79) Naphthalene	13.539	128	777722	9.989 ppbv	99
80) Naphthalene,2-methyl-	14.481	142	375541	9.836 ppbv	98
81) 1,2,4-Trichlorobenzene	13.465	180	343011	9.551 ppbv	99

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

Quantitation Report   (QT Reviewed)

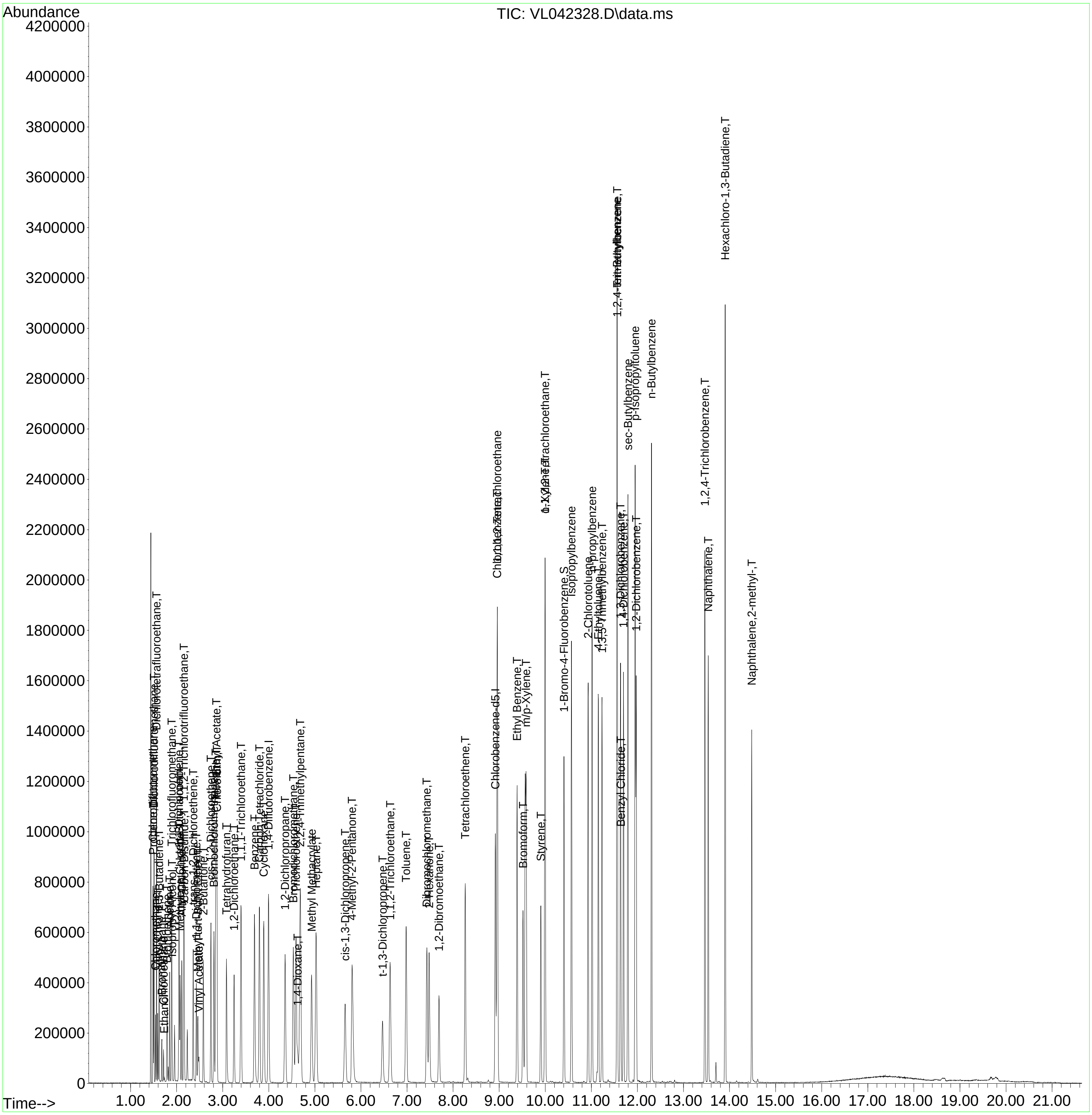
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042328.D
Acq On    : 15 Apr 2025  12:54
Operator  : SY/MD
Sample    : VL0415ABS01
Misc      : 400mL/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Apr 16 01:30:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt   04/16/2025
Supervised By :Mahesh Dadoda   04/16/2025



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042330.D
Acq On    : 15 Apr 2025  13:57
Operator  : SY/MD
Sample    : QC041425 CAN 10401
Misc      : 400mL/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Apr 16 01:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

```
        Compound                   R.T. QIon  Response  Conc Units Dev(Min)
 ------------------------------------------------------------------------------
 Internal Standards
   1) Bromochloromethane          2.813   49   162884    10.000 ppbv     0.03
  33) 1,4-Difluorobenzene         3.997  114   405181    10.000 ppbv     0.05
  55) Chlorobenzene-d5            8.917  117   353699    10.000 ppbv     0.04

 System Monitoring Compounds
  68) 1-Bromo-4-Fluorobenzene    10.406   95   273327     9.410 ppbv    0.04
   Spiked Amount     10.000   Range  65 - 135    Recovery   =   94.100%

 Target Compounds                                                   Qvalue
 ------------------------------------------------------------------------------

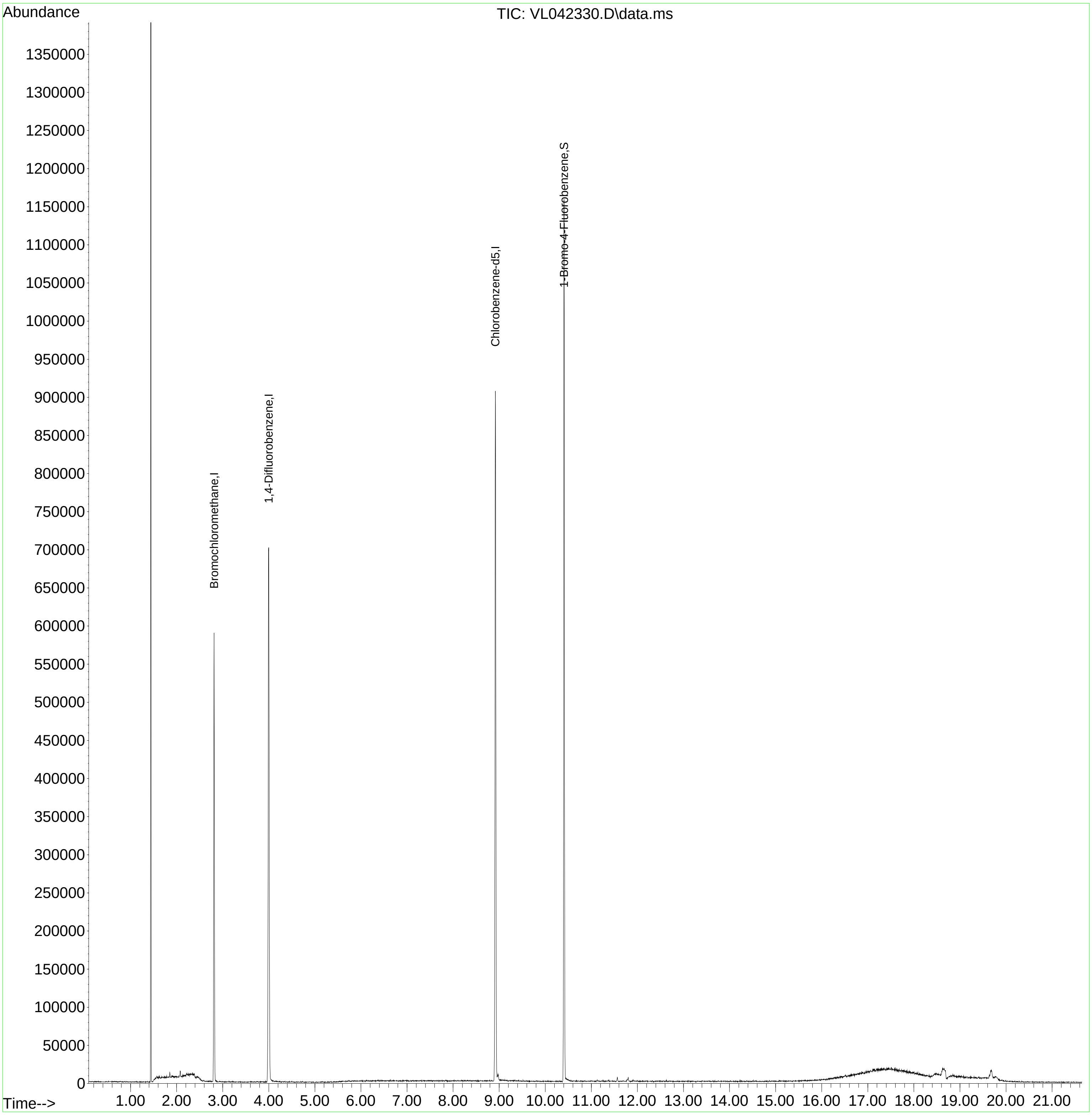
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

Quantitation Report (QT Reviewed)

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042330.D
Acq On    : 15 Apr 2025  13:57
Operator  : SY/MD
Sample    : QC041425 CAN 10401
Misc      : 400mL/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Apr 16 01:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

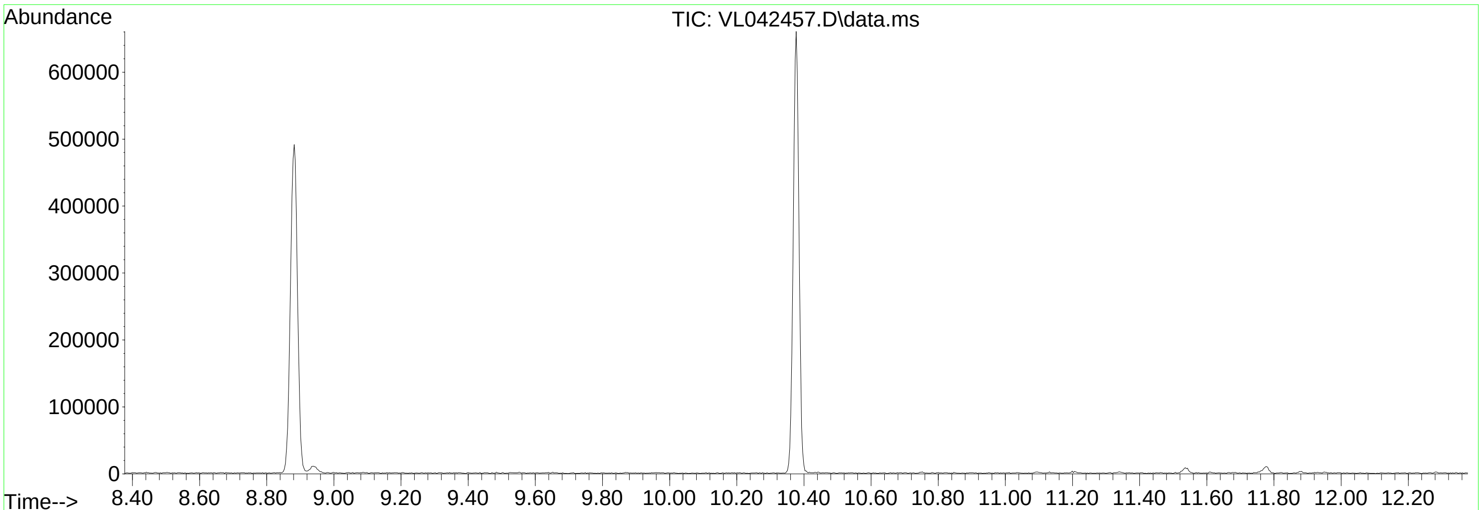


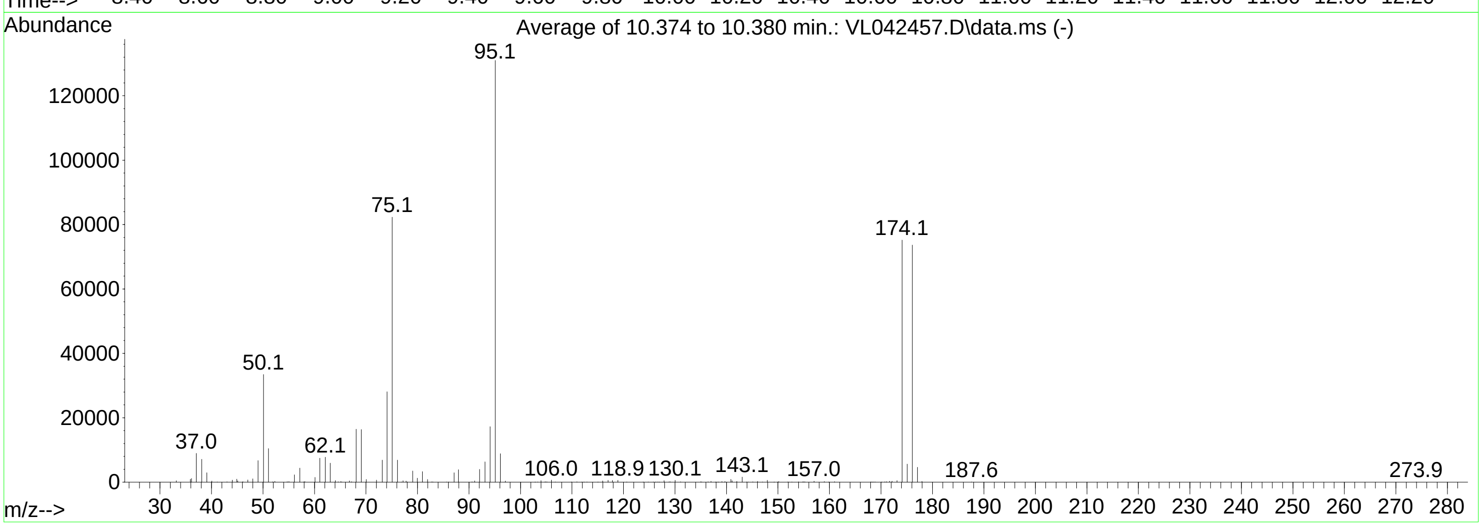
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042457.D
Acq On : 01 May 2025 08:19
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 02 03:16:31 2025





AutoFind: Scans 3178, 3179, 3180; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.5	33424	PASS
75	95	30	66	62.8	82325	PASS
95	95	100	100	100.0	131013	PASS
96	95	5	9	6.8	8845	PASS
173	174	0.00	2	0.6	483	PASS
174	95	50	120	57.4	75195	PASS
175	174	4	9	7.5	5628	PASS
176	174	93	101	97.9	73643	PASS
177	176	5	9	6.3	4652	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL050125AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 02 03:16:31 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042466.D 0.1 =VL042462.D 0.5 =VL042461.D 1 =VL042460.D 2 =VL042459.D 10 =VL042458.D 15 =VL042465.D

#		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------------ISTD--------------------								
2)	T	Dichlorodifluo...			1.887	1.650	1.629	1.470	1.639	1.655	9.01
3)		Chlorodifluoro...			1.886	1.871	1.820	1.569	1.602	1.750	8.71
4)		Chloromethane			0.738	0.696	0.734	0.624	0.666	0.692	6.90
5)	T	Vinyl Chloride	0.756	0.964	0.708	0.625	0.623	0.567	0.631	0.696	19.18
6)	T	Bromomethane			0.349	0.359	0.327	0.286	0.324	0.329	8.64
7)		Chloroethane			0.250	0.272	0.271	0.231	0.261	0.257	6.55
8)	T	Dichlorotetraf...			1.445	1.371	1.402	1.235	1.368	1.364	5.77
9)	T	Propene			0.585	0.606	0.631	0.525	0.515	0.572	8.84
10)	T	Heptane			1.276	1.634	1.593	1.445	1.474	1.484	9.48
11)	T	Trichlorofluor...			1.660	1.489	1.528	1.376	1.582	1.527	6.96
12)	T	1,1,2-Trichlor...			1.318	1.234	1.245	1.099	1.201	1.219	6.52
13)		Ethanol			0.138	0.136	0.143	0.080	0.084	0.116	27.19
14)	T	Bromoethene			0.488	0.443	0.457	0.398	0.466	0.450	7.39
15)	T	Acetone			2.229	2.094	2.022	1.318	1.465	1.826	22.28
16)	T	1,3-Butadiene			0.883	0.874	0.836	0.681	0.751	0.805	10.77
17)		tert-Butyl alc...			1.816	1.615	1.620	1.489	1.502	1.608	8.15
18)	T	1,1-Dichloroet...			0.650	0.587	0.567	0.495	0.547	0.569	9.98
19)	T	Isopropyl Alcohol			1.221	1.087	0.976	0.876	0.891	1.010	14.33
20)	T	Methylene Chlo...			0.753	0.547	0.518	0.449	0.477	0.549	21.88
21)	T	Allyl Chloride			1.283	1.181	1.164	1.076	1.166	1.174	6.25
22)	T	trans-1,2-Dich...			0.741	0.742	0.645	0.552	0.644	0.665	11.96
23)	T	Vinyl Acetate			1.898	1.521	1.810	1.726	1.756	1.742	8.03
24)	T	1,1-Dichloroet...			1.432	1.465	1.368	1.196	1.322	1.357	7.79
25)	T	Ethyl Acetate			3.002	3.044	2.945	2.832	2.792	2.923	3.69
26)	T	Hexane			1.278	1.290	1.345	1.215	1.239	1.273	3.91
27)	T	Carbon Disulfide			1.509	1.446	1.499	1.418	1.558	1.486	3.69
28)	T	Methyl tert-Bu...			0.802	0.853	0.759	0.671	0.740	0.765	8.91
29)	T	Chloroform			2.551	2.482	2.399	2.198	2.301	2.386	5.89
30)	T	Cyclohexane			1.135	0.998	1.096	1.045	1.048	1.065	4.92
31)	T	cis-1,2-Dichlo...			1.551	1.604	1.545	1.342	1.386	1.486	7.71
32)	T	1,1,1-Trichlor...	2.980	2.842	2.567	2.501	2.511	2.288	2.433	2.589	9.28
33)	I	1,4-Difluorobenzene	----------------ISTD--------------------								
34)	T	2-Butanone			0.802	0.732	0.774	0.659	0.650	0.723	9.32
35)	T	Carbon Tetrach...	1.166	0.799	0.856	0.935	0.875	0.827	0.902	0.908	13.44
36)	T	Benzene			0.924	0.974	1.036	0.892	0.892	0.944	6.53
37)	T	1,2-Dichloroet...			0.738	0.755	0.769	0.666	0.709	0.727	5.66
38)	T	Trichloroethene	0.241	0.419	0.389	0.364	0.404	0.347	0.355	0.360	16.31
39)	T	1,2-Dichloropr...			0.368	0.405	0.362	0.317	0.315	0.353	10.71

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL050125AIR.M

40)	T	1,4-Dioxane			0.176	0.185	0.172	0.151	0.144	0.165	10.60
41)	T	Tetrahydrofuran			0.329	0.354	0.387	0.326	0.322	0.344	7.98
42)	T	Bromodichlorom...			0.848	0.921	0.931	0.839	0.904	0.889	4.77
43)		Methyl Methacr...			0.328	0.341	0.362	0.363	0.366	0.352	4.72
44)	T	2,2,4-Trimethy...			1.490	1.590	1.633	1.437	1.498	1.530	5.23
45)	T	t-1,3-Dichloro...			0.438	0.423	0.460	0.480	0.510	0.462	7.46
46)	T	cis-1,3-Dichlo...			0.526	0.539	0.549	0.555	0.577	0.549	3.47
47)	T	1,1,2-Trichlor...			0.372	0.409	0.428	0.357	0.371	0.387	7.74
48)	T	Dibromochlorom...			0.651	0.643	0.673	0.630	0.674	0.654	2.96
49)	T	Bromoform			0.540	0.535	0.573	0.527	0.568	0.549	3.73
50)	T	4-Methyl-2-Pen...			0.852	0.980	0.985	0.870	0.887	0.915	6.92
51)	T	2-Hexanone			0.649	0.754	0.797	0.722	0.736	0.731	7.42
52)	T	Tetrachloroethene	0.509	0.380	0.325	0.339	0.338	0.305	0.318	0.359	19.49
53)	T	Toluene			0.935	0.969	1.025	1.016	1.050	0.999	4.64
54)	T	1,2-Dibromoethane		0.625	0.589	0.599	0.610	0.554	0.577	0.592	4.26
55)	I	Chlorobenzene-d5	----------------ISTD--------------------								
56)		1,1,1,2-Tetrac...			0.618	0.633	0.596	0.542	0.564	0.591	6.38
57)	T	Chlorobenzene			1.101	1.060	1.036	0.904	0.923	1.005	8.64
58)	T	Ethyl Benzene			1.492	1.634	1.752	1.725	1.754	1.671	6.68
59)	T	m/p-Xylene			1.212	1.378	1.506	1.429	1.479	1.401	8.31
60)	T	o-Xylene			1.197	1.393	1.519	1.423	1.481	1.403	8.90
61)	T	Styrene			0.415	0.500	0.538	0.583	0.582	0.523	13.35
62)		Isopropylbenzene			1.781	2.030	2.165	2.033	2.108	2.023	7.26
63)	T	1,1,2,2-Tetrac...	1.140	0.945	0.976	0.985	0.990	0.846	0.887	0.967	9.69
64)		n-propylbenzene			0.400	0.524	0.549	0.482	0.518	0.495	11.75
65)		tert-Butylbenzene			1.519	1.791	2.028	1.817	1.873	1.806	10.23
66)	T	Benzyl Chloride			0.158	0.204	0.195	0.232	0.255	0.209	17.73
67)		sec-Butylbenzene			2.149	2.560	2.905	2.541	2.675	2.566	10.69
68)	S	1-Bromo-4-Fluo...	0.920	0.911	0.902	0.928	0.915	0.951	0.963	0.927	2.39
69)		p-Isopropyltol...			1.805	2.166	2.406	2.150	2.283	2.162	10.39
70)		n-Butylbenzene			1.802	2.218	2.560	2.198	2.396	2.235	12.66
71)		2-Chlorotoluene			1.405	1.569	1.697	1.597	1.667	1.587	7.20
72)	T	4-Ethyltoluene			1.281	1.647	1.828	1.722	1.792	1.654	13.28
73)	T	1,3,5-Trimethy...			1.177	1.467	1.618	1.475	1.535	1.455	11.44
74)	T	1,2,4-Trimethy...			1.568	1.788	2.075	1.646	1.723	1.760	11.07
75)	T	1,3-Dichlorobe...			0.975	1.022	1.056	0.893	0.952	0.980	6.42
76)	T	1,4-Dichlorobe...			0.869	0.945	0.966	0.907	0.949	0.927	4.22
77)	T	1,2-Dichlorobe...			0.977	1.007	1.033	0.864	0.914	0.959	7.23
78)	T	Hexachloro-1,3...			1.028	1.081	1.070	0.772	0.838	0.958	14.93
79)	T	Naphthalene		0.720	1.168	1.657	2.155	1.527	1.661	1.482	33.01
80)	T	Naphthalene,2-...			0.498	0.925	1.573	1.172	1.338	1.101	37.38
81)	T	1,2,4-Trichlor...			0.599	0.798	0.947	0.778	0.828	0.790	15.84

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042458.D
Acq On   : 01 May 2025 09:03
Operator : SY/MD
Sample   : VSTDICCC010
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: May 02 01:39:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	71402	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	201290	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	174168	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	165650	10.258	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	104948	8.882	ppbv	100
3) Chlorodifluoromethane	1.476	51	112008	8.966	ppbv	100
4) Chloromethane	1.531	50	44585	9.028	ppbv	100
5) Vinyl Chloride	1.580	62	40466	8.138	ppbv	100
6) Bromomethane	1.667	94	20392	8.680	ppbv	100
7) Chloroethane	1.703	64	16528	9.002	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	88162	9.051	ppbv	100
9) Propene	1.483	41	37491	9.175	ppbv	100
10) Heptane	4.978	43	103167	9.733	ppbv	100
11) Trichlorofluoromethane	1.874	101	98215	9.320	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	78482	9.015	ppbv	100
13) Ethanol	1.719	45	5679	6.849	ppbv	100
14) Bromoethene	1.780	108	28440	8.849	ppbv	100
15) Acetone	1.835	43	94092	7.219	ppbv	100
16) 1,3-Butadiene	1.609	39	48641	8.461	ppbv	100
17) tert-Butyl alcohol	2.039	59	106304	9.257	ppbv	100
18) 1,1-Dichloroethene	2.033	96	35320	8.689	ppbv	100
19) Isopropyl Alcohol	1.884	45	62533	8.668	ppbv	100
20) Methylene Chloride	2.059	84	32039	8.176	ppbv	100
21) Allyl Chloride	2.094	41	76859	9.169	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	39427	8.305	ppbv	100
23) Vinyl Acetate	2.460	43	123215	10.146	ppbv	100
24) 1,1-Dichloroethane	2.408	63	85367	8.814	ppbv	100
25) Ethyl Acetate	2.835	43	202215	9.689	ppbv	100
26) Hexane	2.826	57	86764	9.543	ppbv	100
27) Carbon Disulfide	2.146	76	101248	9.542	ppbv #	92
28) Methyl tert-Butyl Ether	2.437	73	47941	8.777	ppbv	100
29) Chloroform	2.848	83	156976	9.213	ppbv	100
30) Cyclohexane	3.855	84	74614	9.815	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	95797	9.031	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	163334	8.836	ppbv	100
34) 2-Butanone	2.557	43	132685	9.113	ppbv	100
35) Carbon Tetrachloride	3.758	117	166490	9.511	ppbv	100
36) Benzene	3.654	78	179532	9.451	ppbv	100
37) 1,2-Dichloroethane	3.217	62	133963	9.150	ppbv	100
38) Trichloroethene	4.544	130	69846	9.642	ppbv	100
39) 1,2-Dichloropropane	4.311	63	63894	8.979	ppbv	100
40) 1,4-Dioxane	4.583	88	30303m	9.161	ppbv	
41) Tetrahydrofuran	3.052	42	65713	9.516	ppbv	100
42) Bromodichloromethane	4.486	83	168957	9.445	ppbv	100
43) Methyl Methacrylate	4.881	69	73117	10.339	ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	289161	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	96692	10.385	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042458.D
Acq On : 01 May 2025 09:03
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:39:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	111768	10.111	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	71805	9.207	ppbv	100
48) Dibromochloromethane	7.386	129	126754	9.628	ppbv	100
49) Bromoform	9.480	173	106108	9.610	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	175193	9.518	ppbv	100
51) 2-Hexanone	7.435	43	145272	9.855	ppbv	100
52) Tetrachloroethene	8.224	164	61456	8.500	ppbv	100
53) Toluene	6.930	91	204494	10.171	ppbv	100
54) 1,2-Dibromoethane	7.648	107	111506	9.300	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	94346	9.172	ppbv	99
57) Chlorobenzene	8.920	112	157401	8.994	ppbv	100
58) Ethyl Benzene	9.354	91	300412	10.321	ppbv	100
59) m/p-Xylene	9.529	91	497922m	20.404	ppbv	
60) o-Xylene	9.963	91	247784	10.157	ppbv	100
61) Styrene	9.872	104	101509	11.134	ppbv	100
62) Isopropylbenzene	10.539	105	354055	10.047	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	147295	9.305	ppbv	100
64) n-propylbenzene	10.989	120	84006	9.787	ppbv	100
65) tert-Butylbenzene	11.529	119	316532	10.065	ppbv	100
66) Benzyl Chloride	11.613	91	40331	11.096	ppbv	100
67) sec-Butylbenzene	11.769	105	442600	9.903	ppbv	100
69) p-Isopropyltoluene	11.924	119	374540	9.947	ppbv	100
70) n-Butylbenzene	12.280	91	382883	9.836	ppbv	100
71) 2-Chlorotoluene	10.898	91	278215	10.065	ppbv	100
72) 4-Ethyltoluene	11.124	105	299831	10.409	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	256952	10.143	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	286615	9.351	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	155598	9.118	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	157966	9.782	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	150432	9.007	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	134402	8.058	ppbv	100
79) Naphthalene	13.513	128	266036	10.352	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	204042	10.641	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	135473	9.844	ppbv	100

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

Quantitation Report (QT Reviewed)

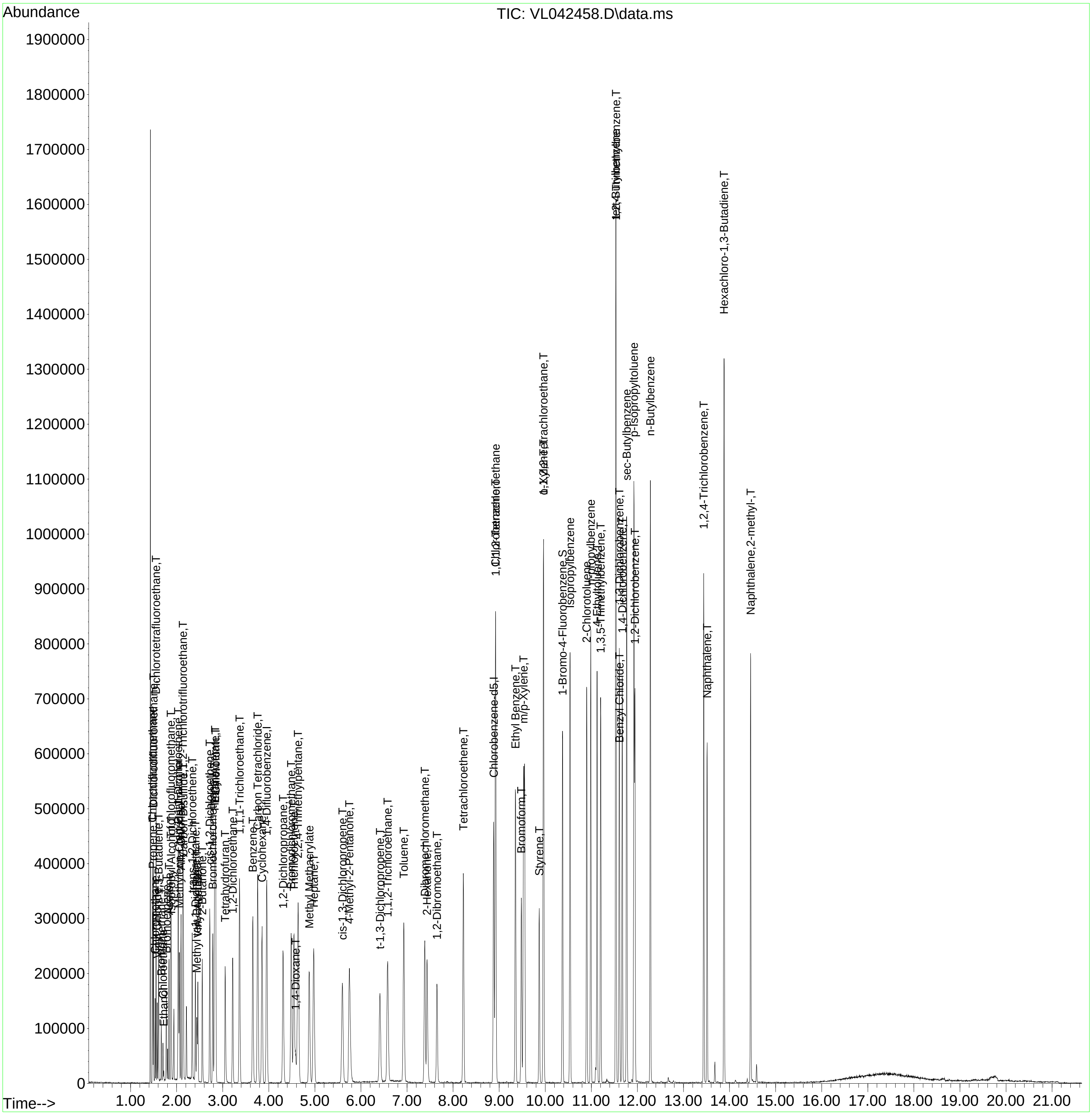
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042458.D
Acq On : 01 May 2025 09:03
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:39:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042459.D
Acq On : 01 May 2025 09:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.787	49	73220	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	201951	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.881	117	174624	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.377	95	159777	9.869 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	23859	1.969 ppbv	100
3) Chlorodifluoromethane	1.476	51	26655	2.081 ppbv	95
4) Chloromethane	1.531	50	10751	2.123 ppbv	95
5) Vinyl Chloride	1.580	62	9122	1.789 ppbv	92
6) Bromomethane	1.667	94	4793	1.990 ppbv #	62
7) Chloroethane	1.703	64	3972	2.110 ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	20529	2.055 ppbv	100
9) Propene	1.482	41	9234	2.204 ppbv	95
10) Heptane	4.978	43	23329m	2.146 ppbv	
11) Trichlorofluoromethane	1.877	101	22375	2.070 ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	18230	2.042 ppbv	97
13) Ethanol	1.722	45	2099	2.468 ppbv	94
14) Bromoethene	1.780	108	6686	2.029 ppbv #	96
15) Acetone	1.835	43	29607	2.215 ppbv	99
16) 1,3-Butadiene	1.609	39	12245	2.077 ppbv	92
17) tert-Butyl alcohol	2.042	59	23722	2.014 ppbv #	93
18) 1,1-Dichloroethene	2.033	96	8303	1.992 ppbv	92
19) Isopropyl Alcohol	1.884	45	14288	1.931 ppbv	99
20) Methylene Chloride	2.062	84	7590	1.889 ppbv	96
21) Allyl Chloride	2.094	41	17050	1.983 ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	9444	1.940 ppbv	97
23) Vinyl Acetate	2.463	43	26502	2.128 ppbv	98
24) 1,1-Dichloroethane	2.408	63	20027	2.016 ppbv	98
25) Ethyl Acetate	2.839	43	43122	2.015 ppbv	97
26) Hexane	2.822	57	19691	2.112 ppbv	95
27) Carbon Disulfide	2.149	76	21945	2.017 ppbv #	43
28) Methyl tert-Butyl Ether	2.441	73	11119	1.985 ppbv	94
29) Chloroform	2.848	83	35127	2.010 ppbv	86
30) Cyclohexane	3.858	84	16056	2.060 ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	22619	2.079 ppbv	95
32) 1,1,1-Trichloroethane	3.369	97	36768	1.940 ppbv	99
34) 2-Butanone	2.557	43	31242	2.139 ppbv	95
35) Carbon Tetrachloride	3.764	117	35326	2.011 ppbv	97
36) Benzene	3.661	78	41848	2.196 ppbv #	88
37) 1,2-Dichloroethane	3.217	62	31049	2.114 ppbv	99
38) Trichloroethene	4.544	130	16311m	2.244 ppbv	
39) 1,2-Dichloropropane	4.311	63	14611	2.047 ppbv	91
40) 1,4-Dioxane	4.593	88	6957m	2.096 ppbv	
41) Tetrahydrofuran	3.059	42	15641m	2.258 ppbv	
42) Bromodichloromethane	4.489	83	37615	2.096 ppbv #	99
43) Methyl Methacrylate	4.884	69	14610m	2.059 ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	65967	2.142 ppbv	99
45) t-1,3-Dichloropropene	6.409	75	18560m	1.987 ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042459.D
Acq On : 01 May 2025 09:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: May 02 01:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	22184	2.000 ppbv	93
47) 1,1,2-Trichloroethane	6.587	97	17307m	2.212 ppbv	
48) Dibromochloromethane	7.386	129	27174	2.057 ppbv	99
49) Bromoform	9.483	173	23126	2.088 ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	39798	2.155 ppbv	99
51) 2-Hexanone	7.441	43	32196	2.177 ppbv #	97
52) Tetrachloroethene	8.224	164	13670	1.885 ppbv	93
53) Toluene	6.930	91	41392	2.052 ppbv	97
54) 1,2-Dibromoethane	7.652	107	24650	2.049 ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	20822	2.019 ppbv	95
57) Chlorobenzene	8.920	112	36187	2.062 ppbv #	88
58) Ethyl Benzene	9.354	91	61177	2.096 ppbv	91
59) m/p-Xylene	9.551	91	105185m	4.299 ppbv	
60) o-Xylene	9.963	91	53051	2.169 ppbv	99
61) Styrene	9.872	104	18776	2.054 ppbv	97
62) Isopropylbenzene	10.539	105	75626	2.140 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	34562	2.178 ppbv	98
64) n-propylbenzene	10.989	120	19160	2.226 ppbv	94
65) tert-Butylbenzene	11.532	119	70813	2.246 ppbv	97
66) Benzyl Chloride	11.613	91	6794	1.864 ppbv	97
67) sec-Butylbenzene	11.769	105	101458	2.264 ppbv	99
69) p-Isopropyltoluene	11.924	119	84026	2.226 ppbv	98
70) n-Butylbenzene	12.280	91	89400	2.291 ppbv	97
71) 2-Chlorotoluene	10.901	91	59271	2.139 ppbv	97
72) 4-Ethyltoluene	11.124	105	63833	2.210 ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	56516	2.225 ppbv	94
74) 1,2,4-Trimethylbenzene	11.536	105	72485	2.359 ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	36885	2.156 ppbv	97
76) 1,4-Dichlorobenzene	11.671	146	33728	2.083 ppbv	94
77) 1,2-Dichlorobenzene	11.947	146	36078	2.154 ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	37360	2.234 ppbv	99
79) Naphthalene	13.513	128	75248	2.920 ppbv	96
80) Naphthalene,2-methyl-	14.458	142	54922	2.857 ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	33063	2.396 ppbv	95

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

Quantitation Report (QT Reviewed)

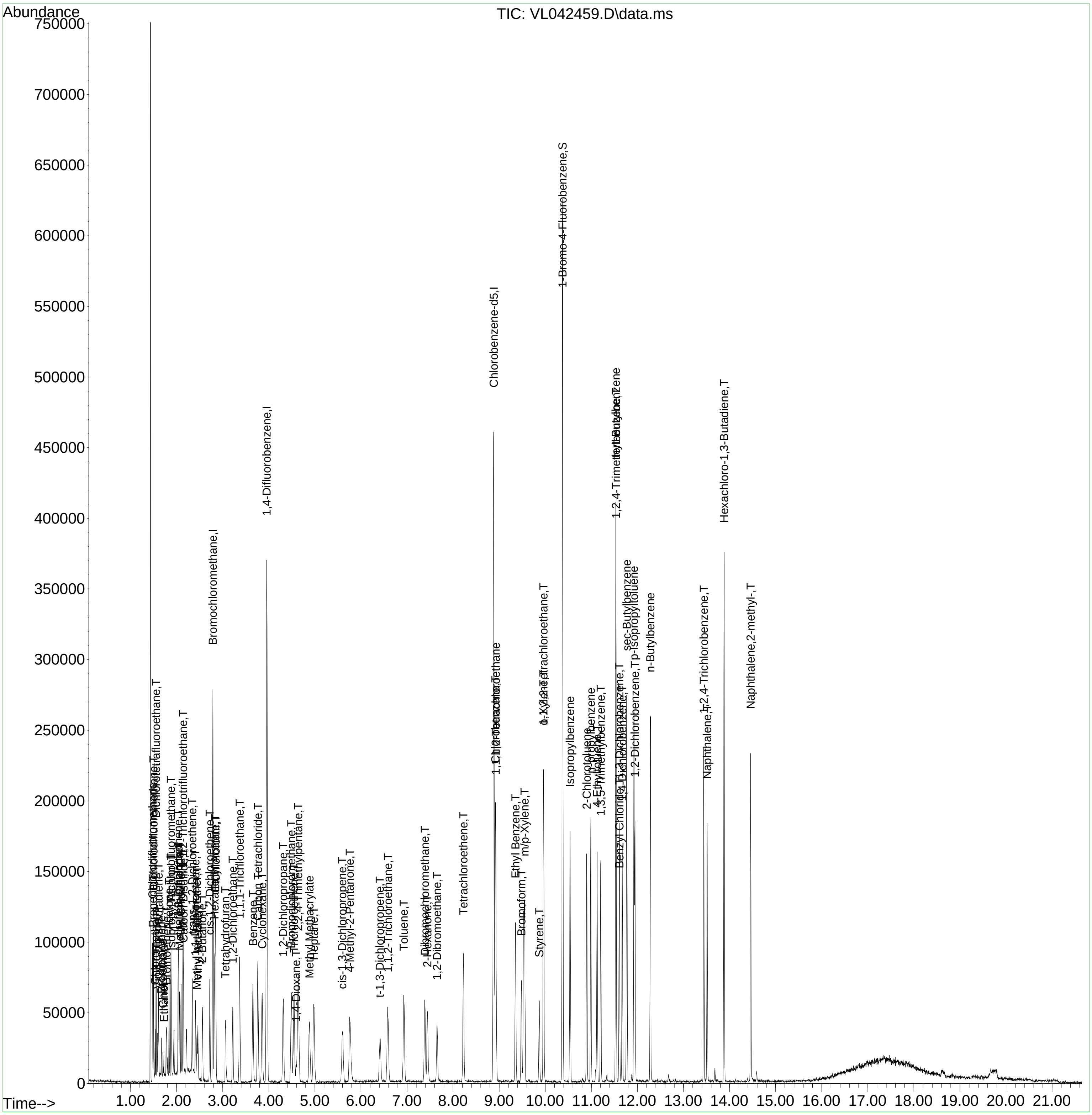
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042459.D
Acq On : 01 May 2025 09:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042460.D
Acq On : 01 May 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: May 02 01:41:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.784	49	71499	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	200111	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.881	117	170872	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.374	95	158600	10.011 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%		

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) Dichlorodifluoromethane	1.499	85	11796	0.997 ppbv	96
3) Chlorodifluoromethane	1.476	51	13375	1.069 ppbv	96
4) Chloromethane	1.531	50	4975	1.006 ppbv	95
5) Vinyl Chloride	1.576	62	4469	0.898 ppbv	100
6) Bromomethane	1.667	94	2570	1.092 ppbv	86
7) Chloroethane	1.703	64	1943	1.057 ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	9804	1.005 ppbv	91
9) Propene	1.482	41	4331	1.058 ppbv	88
10) Heptane	4.975	43	11681m	1.101 ppbv	
11) Trichlorofluoromethane	1.877	101	10649m	1.009 ppbv	
12) 1,1,2-Trichlorotrifluo...	2.140	101	8821	1.012 ppbv	97
13) Ethanol	1.719	45	975	1.174 ppbv #	52
14) Bromoethene	1.780	108	3164	0.983 ppbv #	91
15) Acetone	1.835	43	14974	1.147 ppbv	98
16) 1,3-Butadiene	1.609	39	6248	1.085 ppbv	96
17) tert-Butyl alcohol	2.039	59	11546	1.004 ppbv #	91
18) 1,1-Dichloroethene	2.033	96	4200	1.032 ppbv	86
19) Isopropyl Alcohol	1.884	45	7775	1.076 ppbv	99
20) Methylene Chloride	2.059	84	3909	0.996 ppbv	86
21) Allyl Chloride	2.094	41	8443	1.006 ppbv	94
22) trans-1,2-Dichloroethene	2.337	96	5305	1.116 ppbv	88
23) Vinyl Acetate	2.460	43	10876	0.894 ppbv #	94
24) 1,1-Dichloroethane	2.405	63	10477	1.080 ppbv	97
25) Ethyl Acetate	2.835	43	21761	1.041 ppbv	99
26) Hexane	2.822	57	9223	1.013 ppbv	97
27) Carbon Disulfide	2.149	76	10342	0.973 ppbv #	21
28) Methyl tert-Butyl Ether	2.441	73	6101	1.115 ppbv	93
29) Chloroform	2.848	83	17744	1.040 ppbv	97
30) Cyclohexane	3.852	84	7139	0.938 ppbv	88
31) cis-1,2-Dichloroethene	2.719	61	11472	1.080 ppbv	87
32) 1,1,1-Trichloroethane	3.366	97	17881	0.966 ppbv	98
34) 2-Butanone	2.560	43	14641	1.012 ppbv	94
35) Carbon Tetrachloride	3.755	117	18704	1.075 ppbv #	76
36) Benzene	3.654	78	19493	1.032 ppbv #	94
37) 1,2-Dichloroethane	3.214	62	15116	1.039 ppbv	98
38) Trichloroethene	4.541	130	7278m	1.011 ppbv	
39) 1,2-Dichloropropane	4.302	63	8103m	1.145 ppbv	
40) 1,4-Dioxane	4.593	88	3703m	1.126 ppbv	
41) Tetrahydrofuran	3.062	42	7091m	1.033 ppbv	
42) Bromodichloromethane	4.486	83	18427	1.036 ppbv #	81
43) Methyl Methacrylate	4.874	69	6829m	0.971 ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	31820m	1.043 ppbv	
45) t-1,3-Dichloropropene	6.409	75	8461m	0.914 ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042460.D
Acq On : 01 May 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:41:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	10781m	0.981	ppbv	
47) 1,1,2-Trichloroethane	6.583	97	8183m	1.055	ppbv	
48) Dibromochloromethane	7.386	129	12859m	0.982	ppbv	
49) Bromoform	9.483	173	10709	0.976	ppbv	97
50) 4-Methyl-2-Pentanone	5.768	43	19618m	1.072	ppbv	
51) 2-Hexanone	7.448	43	15091m	1.030	ppbv	
52) Tetrachloroethene	8.221	164	6780	0.943	ppbv	86
53) Toluene	6.930	91	19390	0.970	ppbv	97
54) 1,2-Dibromoethane	7.655	107	11980	1.005	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.920	131	10811	1.071	ppbv	94
57) Chlorobenzene	8.917	112	18111	1.055	ppbv	90
58) Ethyl Benzene	9.354	91	27914	0.978	ppbv	97
59) m/p-Xylene	9.548	91	47105m	1.968	ppbv	
60) o-Xylene	9.962	91	23806	0.995	ppbv	98
61) Styrene	9.872	104	8537	0.954	ppbv	98
62) Isopropylbenzene	10.539	105	34679	1.003	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.962	83	16837	1.084	ppbv	98
64) n-propylbenzene	10.985	120	8958	1.064	ppbv	86
65) tert-Butylbenzene	11.529	119	30604	0.992	ppbv	95
66) Benzyl Chloride	11.613	91	3486	0.978	ppbv #	96
67) sec-Butylbenzene	11.765	105	43740	0.998	ppbv	98
69) p-Isopropyltoluene	11.927	119	37011	1.002	ppbv	99
70) n-Butylbenzene	12.280	91	37892	0.992	ppbv	97
71) 2-Chlorotoluene	10.898	91	26813	0.989	ppbv	99
72) 4-Ethyltoluene	11.124	105	28149	0.996	ppbv	96
73) 1,3,5-Trimethylbenzene	11.202	105	25073	1.009	ppbv	97
74) 1,2,4-Trimethylbenzene	11.535	105	30550	1.016	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	17456	1.043	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	16151	1.019	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	17207	1.050	ppbv	94
78) Hexachloro-1,3-Butadiene	13.879	225	18472	1.129	ppbv	98
79) Naphthalene	13.513	128	28316	1.123	ppbv #	94
80) Naphthalene,2-methyl-	14.458	142	15804	0.840	ppbv	93
81) 1,2,4-Trichlorobenzene	13.439	180	13644	1.011	ppbv	96

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

Quantitation Report (QT Reviewed)

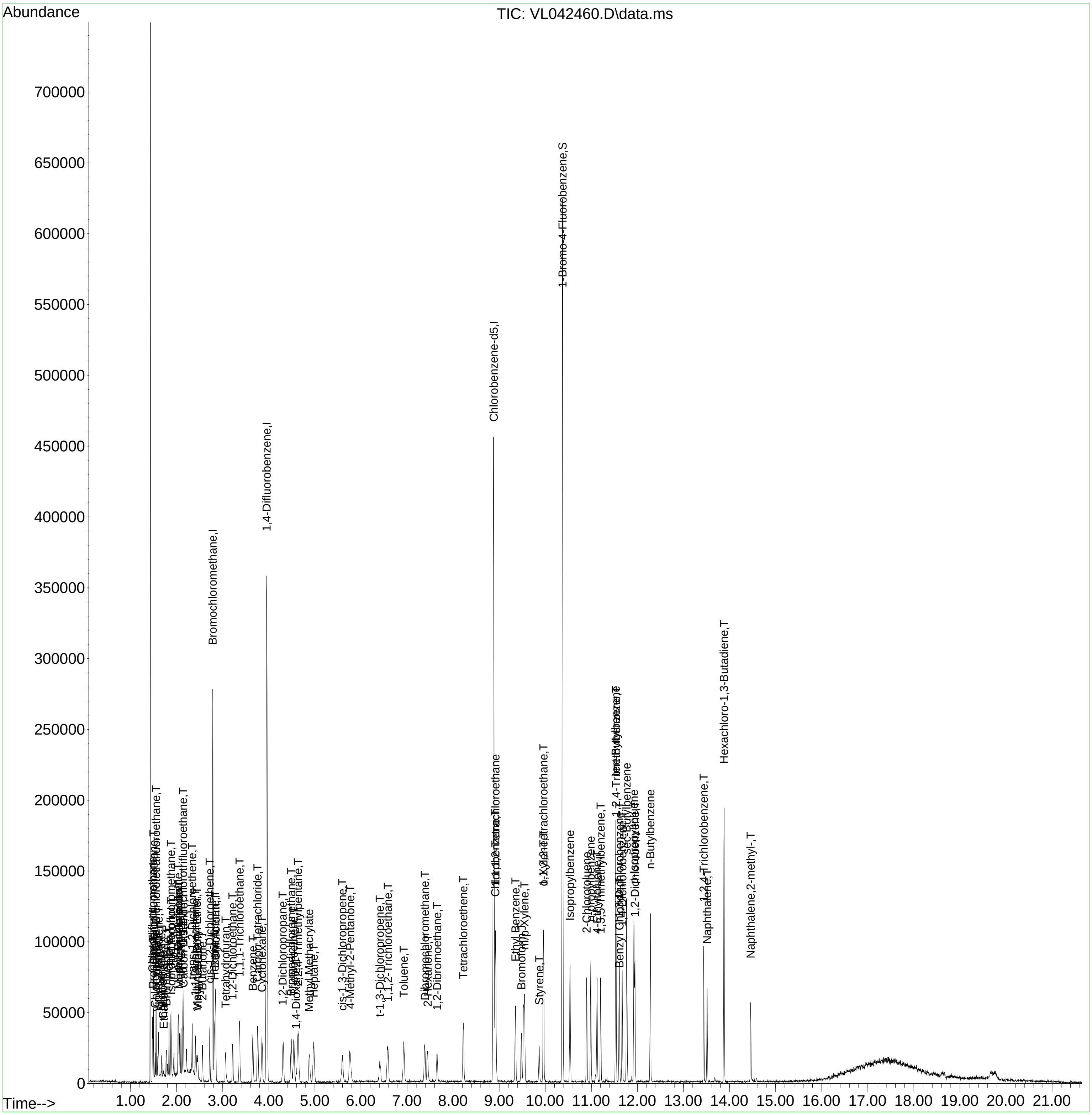
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042460.D
Acq On : 01 May 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:41:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042461.D
Acq On : 01 May 2025 10:40
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:42:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.790	49	68913	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	193701	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.885	117	166625	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.377	95	150277	9.728 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	97.300%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	6501	0.570 ppbv	94
3) Chlorodifluoromethane	1.476	51	6500	0.539 ppbv	99
4) Chloromethane	1.535	50	2542	0.533 ppbv	95
5) Vinyl Chloride	1.580	62	2441	0.509 ppbv	92
6) Bromomethane	1.667	94	1202	0.530 ppbv	97
7) Chloroethane	1.703	64	862	0.486 ppbv #	68
8) Dichlorotetrafluoroethane	1.554	85	4979	0.530 ppbv	93
9) Propene	1.486	41	2017	0.511 ppbv	96
10) Heptane	4.982	43	4397m	0.430 ppbv	
11) Trichlorofluoromethane	1.878	101	5720	0.562 ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.137	101	4540	0.540 ppbv	94
13) Ethanol	1.722	45	474m	0.592 ppbv	
14) Bromoethene	1.784	108	1680	0.542 ppbv #	87
15) Acetone	1.839	43	7680	0.610 ppbv #	82
16) 1,3-Butadiene	1.609	39	3044	0.549 ppbv	86
17) tert-Butyl alcohol	2.046	59	6256	0.564 ppbv #	91
18) 1,1-Dichloroethene	2.036	96	2240	0.571 ppbv	94
19) Isopropyl Alcohol	1.887	45	4208	0.604 ppbv #	96
20) Methylene Chloride	2.062	84	2594	0.686 ppbv #	80
21) Allyl Chloride	2.098	41	4420	0.546 ppbv #	93
22) trans-1,2-Dichloroethene	2.340	96	2554	0.557 ppbv	95
23) Vinyl Acetate	2.460	43	6541	0.558 ppbv #	95
24) 1,1-Dichloroethane	2.412	63	4933	0.528 ppbv	98
25) Ethyl Acetate	2.842	43	10344	0.514 ppbv #	96
26) Hexane	2.829	57	4403	0.502 ppbv	95
27) Carbon Disulfide	2.153	76	5201	0.508 ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	2762	0.524 ppbv #	82
29) Chloroform	2.852	83	8791	0.535 ppbv	92
30) Cyclohexane	3.855	84	3910m	0.533 ppbv	
31) cis-1,2-Dichloroethene	2.726	61	5345m	0.522 ppbv	
32) 1,1,1-Trichloroethane	3.366	97	8846m	0.496 ppbv	
34) 2-Butanone	2.564	43	7766	0.554 ppbv	93
35) Carbon Tetrachloride	3.768	117	8286	0.492 ppbv	86
36) Benzene	3.655	78	8951	0.490 ppbv #	92
37) 1,2-Dichloroethane	3.224	62	7149	0.507 ppbv #	95
38) Trichloroethene	4.548	130	3769m	0.541 ppbv	
39) 1,2-Dichloropropane	4.321	63	3561m	0.520 ppbv	
40) 1,4-Dioxane	4.619	88	1701m	0.534 ppbv	
41) Tetrahydrofuran	3.069	42	3187m	0.480 ppbv	
42) Bromodichloromethane	4.496	83	8212	0.477 ppbv	93
43) Methyl Methacrylate	4.891	69	3179m	0.467 ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	14435m	0.489 ppbv	
45) t-1,3-Dichloropropene	6.415	75	4238m	0.473 ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042461.D
Acq On : 01 May 2025 10:40
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:42:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46)	cis-1,3-Dichloropropene	5.600	75	5091m	0.479 ppbv	
47)	1,1,2-Trichloroethane	6.584	97	3606m	0.480 ppbv	
48)	Dibromochloromethane	7.390	129	6304m	0.498 ppbv	
49)	Bromoform	9.484	173	5228	0.492 ppbv	97
50)	4-Methyl-2-Pentanone	5.771	43	8248m	0.466 ppbv	
51)	2-Hexanone	7.454	43	6283m	0.443 ppbv	
52)	Tetrachloroethene	8.221	164	3151m	0.453 ppbv	
53)	Toluene	6.933	91	9052m	0.468 ppbv	
54)	1,2-Dibromoethane	7.652	107	5705	0.494 ppbv	83
56)	1,1,1,2-Tetrachloroethane	8.924	131	5152	0.524 ppbv #	92
57)	Chlorobenzene	8.924	112	9173	0.548 ppbv #	86
58)	Ethyl Benzene	9.357	91	12427	0.446 ppbv	90
59)	m/p-Xylene	9.552	91	20195m	0.865 ppbv	
60)	o-Xylene	9.966	91	9976m	0.427 ppbv	
61)	Styrene	9.872	104	3457m	0.396 ppbv	
62)	Isopropylbenzene	10.545	105	14837	0.440 ppbv	95
63)	1,1,2,2-Tetrachloroethane	9.963	83	8135	0.537 ppbv	96
64)	n-propylbenzene	10.992	120	3329m	0.405 ppbv	
65)	tert-Butylbenzene	11.536	119	12655	0.421 ppbv	99
66)	Benzyl Chloride	11.613	91	1317m	0.379 ppbv	
67)	sec-Butylbenzene	11.769	105	17905	0.419 ppbv	97
69)	p-Isopropyltoluene	11.927	119	15036	0.417 ppbv	94
70)	n-Butylbenzene	12.283	91	15016	0.403 ppbv	93
71)	2-Chlorotoluene	10.905	91	11702	0.443 ppbv	99
72)	4-Ethyltoluene	11.128	105	10671	0.387 ppbv #	91
73)	1,3,5-Trimethylbenzene	11.206	105	9808	0.405 ppbv	89
74)	1,2,4-Trimethylbenzene	11.539	105	13060	0.445 ppbv #	83
75)	1,3-Dichlorobenzene	11.607	146	8127	0.498 ppbv	96
76)	1,4-Dichlorobenzene	11.675	146	7238	0.469 ppbv	96
77)	1,2-Dichlorobenzene	11.950	146	8141	0.509 ppbv	94
78)	Hexachloro-1,3-Butadiene	13.886	225	8565	0.537 ppbv	99
79)	Naphthalene	13.517	128	9735m	0.396 ppbv	
80)	Naphthalene,2-methyl-	14.458	142	4153	0.226 ppbv	98
81)	1,2,4-Trichlorobenzene	13.445	180	4992	0.379 ppbv	98

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

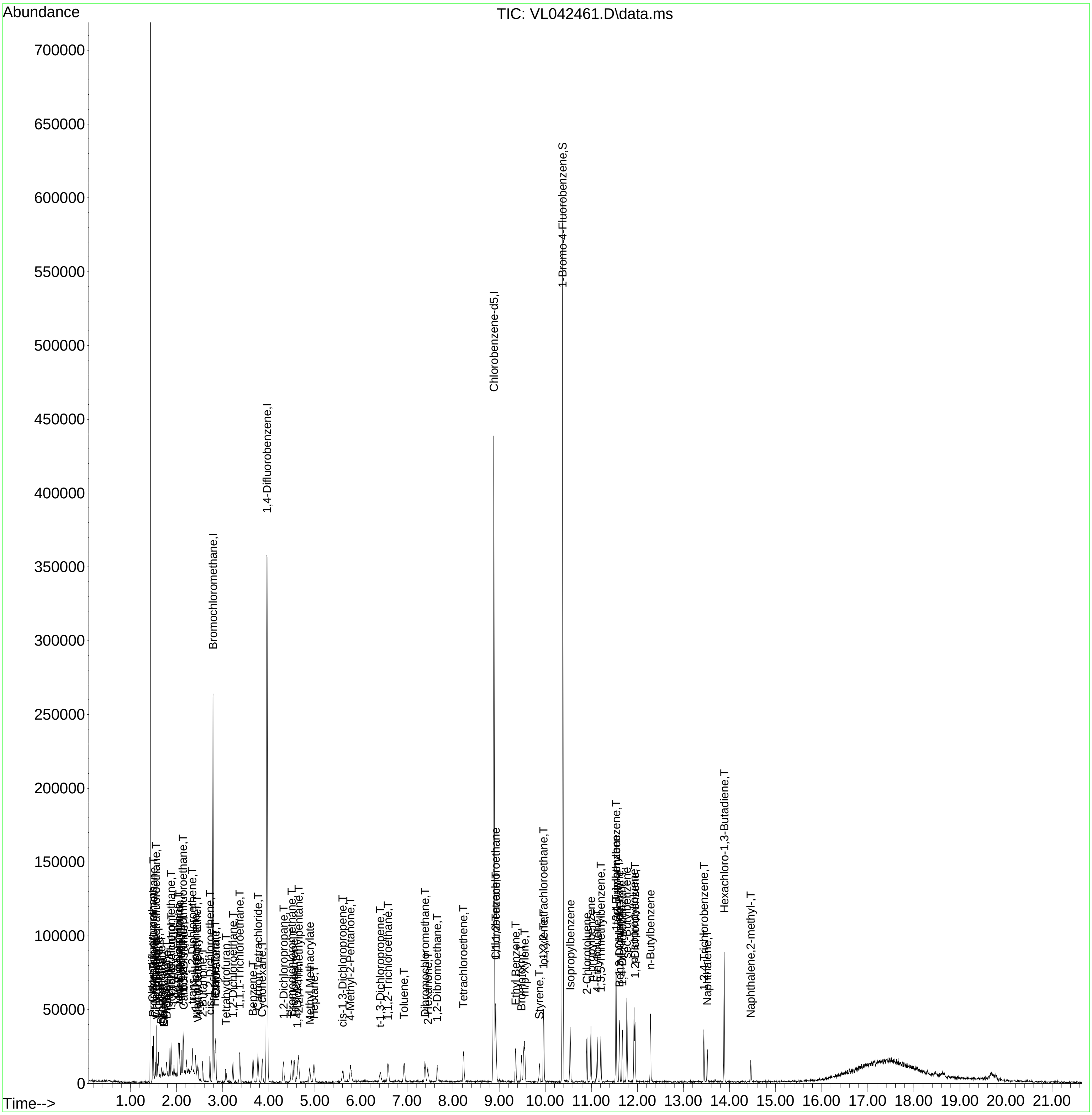
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042461.D
Acq On : 01 May 2025 10:40
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:42:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042462.D
Acq On : 01 May 2025 11:12
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: May 02 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	65449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	186907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	157618	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	143644	9.830	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	631	0.138	ppbv #	53
32) 1,1,1-Trichloroethane	3.363	97	1860m	0.110	ppbv	
35) Carbon Tetrachloride	3.758	117	1493	0.092	ppbv #	55
38) Trichloroethene	4.551	130	784m	0.117	ppbv	
52) Tetrachloroethene	8.221	164	710m	0.106	ppbv	
54) 1,2-Dibromoethane	7.665	107	1169m	0.105	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	1490	0.104	ppbv #	75
79) Naphthalene	13.517	128	1135m	0.049	ppbv	

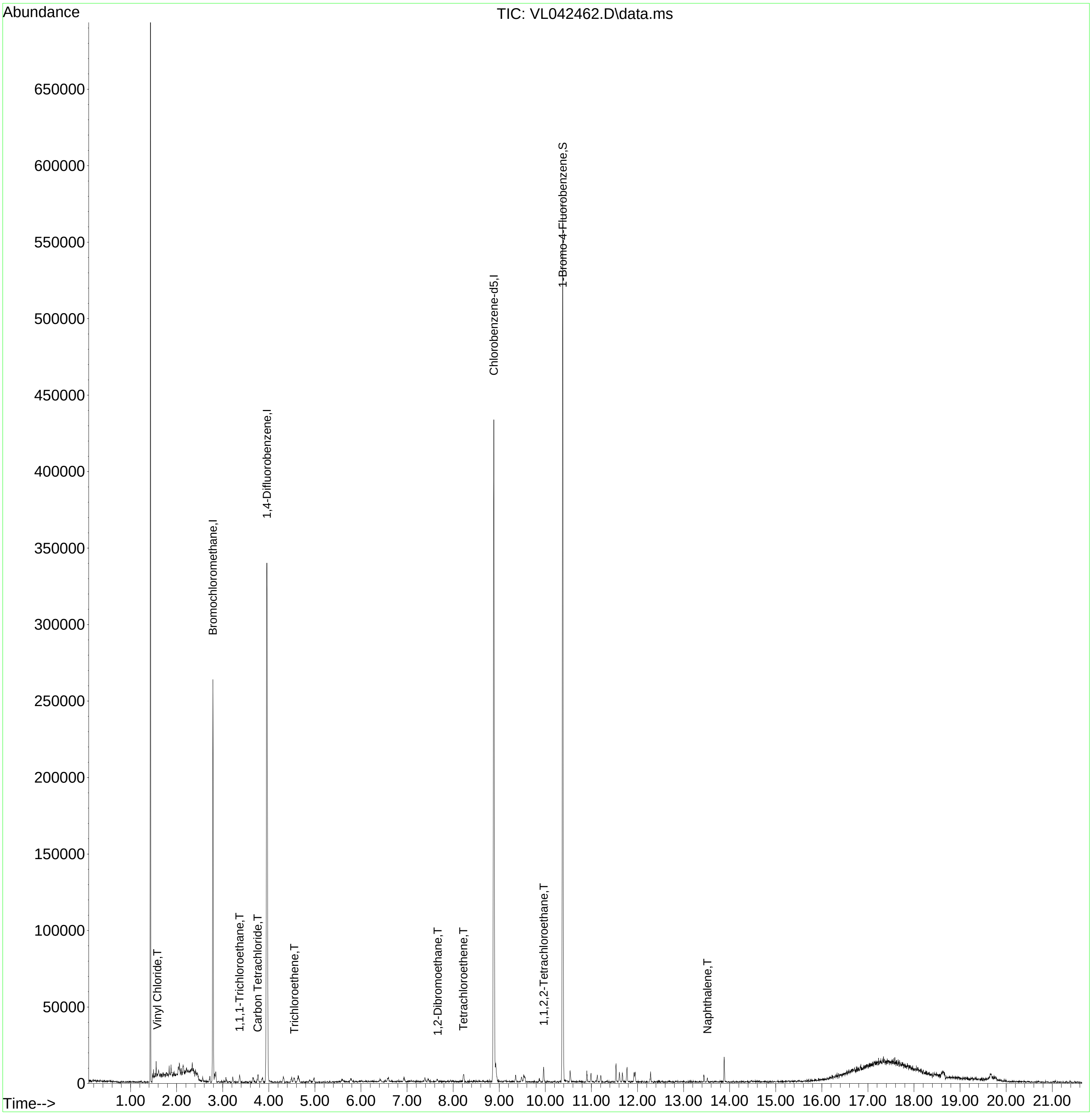
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042462.D
Acq On : 01 May 2025 11:12
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042465.D
Acq On : 01 May 2025 12:49
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: May 02 01:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	64314	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	178877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	157673	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	151837	10.387	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	158069	14.852	ppbv	99
3) Chlorodifluoromethane	1.476	51	154556	13.735	ppbv	100
4) Chloromethane	1.535	50	64267	14.447	ppbv	95
5) Vinyl Chloride	1.580	62	60873	13.592	ppbv	98
6) Bromomethane	1.667	94	31246	14.766	ppbv	87
7) Chloroethane	1.703	64	25181	15.227	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	131995	15.044	ppbv	99
9) Propene	1.486	41	49647	13.489	ppbv	99
10) Heptane	4.982	43	142235	14.898	ppbv	100
11) Trichlorofluoromethane	1.878	101	152655	16.082	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	115855	14.775	ppbv	96
13) Ethanol	1.722	45	8090	10.832	ppbv	98
14) Bromoethene	1.781	108	44928	15.519	ppbv	96
15) Acetone	1.836	43	141306	12.036	ppbv	99
16) 1,3-Butadiene	1.609	39	72455	13.992	ppbv	98
17) tert-Butyl alcohol	2.043	59	144935	14.012	ppbv	99
18) 1,1-Dichloroethene	2.033	96	52813	14.424	ppbv	98
19) Isopropyl Alcohol	1.887	45	86000	13.235	ppbv #	1
20) Methylene Chloride	2.062	84	46063	13.050	ppbv	94
21) Allyl Chloride	2.098	41	112451	14.893	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	62153	14.534	ppbv	100
23) Vinyl Acetate	2.464	43	169418	15.489	ppbv	99
24) 1,1-Dichloroethane	2.409	63	127567	14.622	ppbv	97
25) Ethyl Acetate	2.836	43	269372	14.329	ppbv	100
26) Hexane	2.826	57	119552	14.598	ppbv	97
27) Carbon Disulfide	2.150	76	150258	15.722	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	71341	14.500	ppbv	99
29) Chloroform	2.849	83	221976	14.464	ppbv	99
30) Cyclohexane	3.859	84	101146	14.771	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	133735	13.997	ppbv	93
32) 1,1,1-Trichloroethane	3.370	97	234752	14.099	ppbv	99
34) 2-Butanone	2.557	43	174521	13.488	ppbv	97
35) Carbon Tetrachloride	3.765	117	242144	15.566	ppbv	99
36) Benzene	3.658	78	239352	14.179	ppbv	98
37) 1,2-Dichloroethane	3.221	62	190179	14.618	ppbv	98
38) Trichloroethene	4.551	130	95257	14.798	ppbv	94
39) 1,2-Dichloropropane	4.312	63	84414	13.349	ppbv	93
40) 1,4-Dioxane	4.584	88	38551	13.115	ppbv #	100
41) Tetrahydrofuran	3.056	42	86296	14.063	ppbv	98
42) Bromodichloromethane	4.493	83	242556	15.259	ppbv	99
43) Methyl Methacrylate	4.885	69	98279	15.639	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	401920	14.734	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	136762	16.529	ppbv	92

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042465.D
Acq On : 01 May 2025 12:49
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	154705m	15.749 ppbv	
47) 1,1,2-Trichloroethane	6.587	97	99496	14.356 ppbv	93
48) Dibromochloromethane	7.393	129	180970	15.468 ppbv	98
49) Bromoform	9.487	173	152440	15.535 ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	237985	14.550 ppbv	97
51) 2-Hexanone	7.438	43	197423	15.071 ppbv	99
52) Tetrachloroethene	8.228	164	85271	13.272 ppbv	90
53) Toluene	6.937	91	281731	15.768 ppbv	100
54) 1,2-Dibromoethane	7.655	107	154739	14.523 ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.927	131	133410	14.326 ppbv	98
57) Chlorobenzene	8.927	112	218370	13.783 ppbv	99
58) Ethyl Benzene	9.358	91	414805	15.743 ppbv	98
59) m/p-Xylene	9.555	91	699743m	31.674 ppbv	
60) o-Xylene	9.966	91	350328	15.863 ppbv	100
61) Styrene	9.876	104	137720	16.686 ppbv	96
62) Isopropylbenzene	10.542	105	498619	15.629 ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	209726	14.635 ppbv	99
64) n-propylbenzene	10.992	120	122452	15.759 ppbv	97
65) tert-Butylbenzene	11.536	119	443042	15.562 ppbv	97
66) Benzyl Chloride	11.617	91	60376	18.348 ppbv	97
67) sec-Butylbenzene	11.769	105	632600	15.636 ppbv	100
69) p-Isopropyltoluene	11.928	119	539860	15.837 ppbv	99
70) n-Butylbenzene	12.284	91	566780	16.084 ppbv	99
71) 2-Chlorotoluene	10.905	91	394227	15.755 ppbv	100
72) 4-Ethyltoluene	11.128	105	423746	16.250 ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	362951	15.826 ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	407416	14.683 ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	225215	14.579 ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	224505	15.357 ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	216147	14.295 ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	198112	13.121 ppbv	99
79) Naphthalene	13.517	128	392900	16.888 ppbv	98
80) Naphthalene,2-methyl-	14.459	142	316493	18.232 ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	195942	15.728 ppbv	97

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

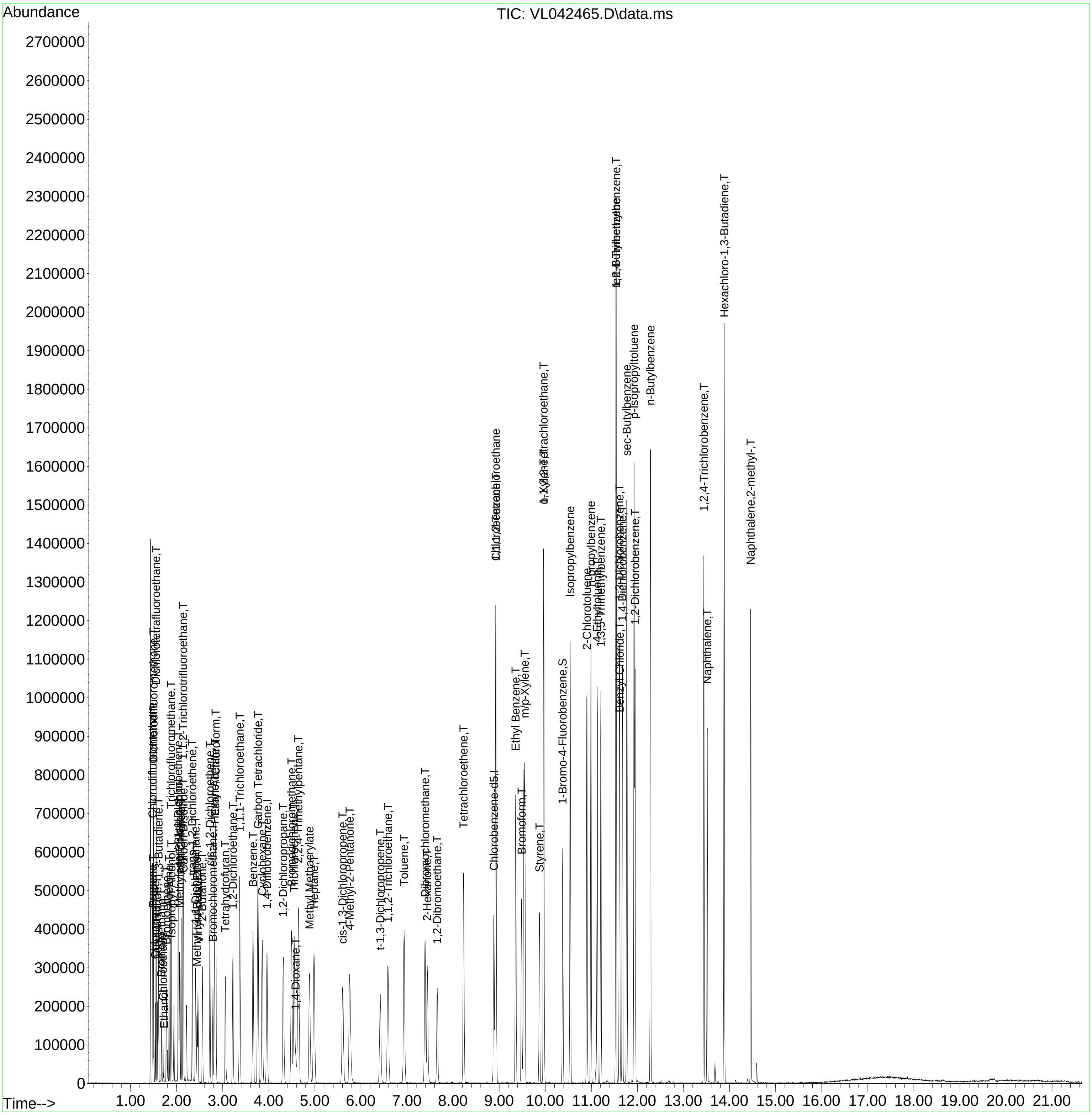
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042465.D
Acq On : 01 May 2025 12:49
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042466.D
Acq On : 01 May 2025 14:10
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	66546	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	186737	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	161050	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	148088	9.918	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	99.200%		
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	151	0.033	ppbv #	87
32) 1,1,1-Trichloroethane	3.370	97	595m	0.035	ppbv	
35) Carbon Tetrachloride	3.771	117	653m	0.040	ppbv	
38) Trichloroethene	4.551	130	135	0.020	ppbv #	40
52) Tetrachloroethene	8.231	164	285m	0.042	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.973	83	551m	0.038	ppbv	

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

Quantitation Report (QT Reviewed)

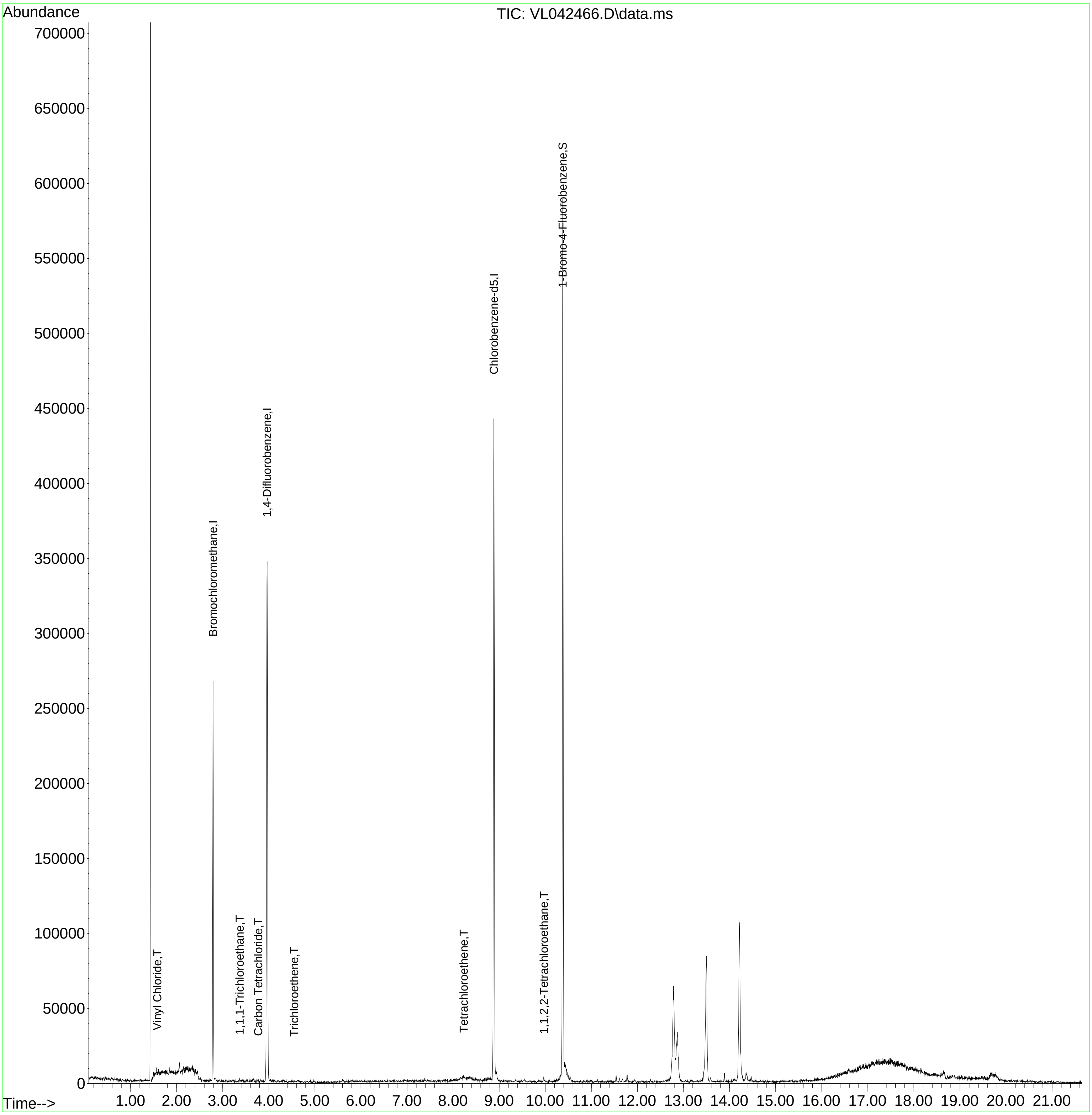
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042466.D
Acq On : 01 May 2025 14:10
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On   : 01 May 2025 15:46
Operator : SY/MD
Sample   : VSTDICV010
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt   05/02/2025
Supervised By :Mahesh Dadoda   05/05/2025

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	63539	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	183679	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	156982	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	150522	10.342	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	108782	10.346	ppbv	97
3) Chlorodifluoromethane	1.476	51	110290	9.921	ppbv	98
4) Chloromethane	1.534	50	43950	10.001	ppbv	96
5) Vinyl Chloride	1.580	62	41181	9.307	ppbv	99
6) Bromomethane	1.667	94	21021	10.055	ppbv	91
7) Chloroethane	1.706	64	16630	10.179	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	89345	10.307	ppbv	99
9) Propene	1.486	41	36920	10.153	ppbv	97
10) Heptane	4.985	43	94631	10.033	ppbv	95
11) Trichlorofluoromethane	1.878	101	100713	10.380	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	81143	10.474	ppbv	99
13) Ethanol	1.722	45	5736	7.773	ppbv	99
14) Bromoethene	1.780	108	30094	10.522	ppbv	97
15) Acetone	1.835	43	95460	8.230	ppbv	98
16) 1,3-Butadiene	1.609	39	49566	9.689	ppbv	100
17) tert-Butyl alcohol	2.043	59	102047	9.986	ppbv	100
18) 1,1-Dichloroethene	2.033	96	35784	9.892	ppbv	98
19) Isopropyl Alcohol	1.887	45	60977	9.499	ppbv	99
20) Methylene Chloride	2.062	84	31212	8.951	ppbv	94
21) Allyl Chloride	2.098	41	73365	9.835	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	42922	10.160	ppbv	96
23) Vinyl Acetate	2.463	43	113131	10.220	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	89117	10.340	ppbv	97
25) Ethyl Acetate	2.839	43	186185	10.025	ppbv	99
26) Hexane	2.826	57	83132	10.275	ppbv	96
27) Carbon Disulfide	2.149	76	100196	10.612	ppbv	96
28) Methyl tert-Butyl Ether	2.441	73	48326	9.942	ppbv	100
29) Chloroform	2.852	83	152381	10.050	ppbv	96
30) Cyclohexane	3.858	84	70581	10.434	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	95793	10.148	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	161465	9.816	ppbv	99
34) 2-Butanone	2.560	43	125883	9.475	ppbv	97
35) Carbon Tetrachloride	3.764	117	166814	9.998	ppbv	97
36) Benzene	3.658	78	171384	9.888	ppbv	98
37) 1,2-Dichloroethane	3.221	62	130063	9.736	ppbv	100
38) Trichloroethene	4.551	130	65940	9.976	ppbv	96
39) 1,2-Dichloropropane	4.315	63	60010	9.248	ppbv	95
40) 1,4-Dioxane	4.583	88	28306m	9.316	ppbv	
41) Tetrahydrofuran	3.059	42	59604	9.440	ppbv	98
42) Bromodichloromethane	4.489	83	163210	9.999	ppbv	95
43) Methyl Methacrylate	4.881	69	67516	10.438	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	277217	9.867	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	89638m	10.563	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	104665	10.378	ppbv	97
47) 1,1,2-Trichloroethane	6.584	97	67821	9.530	ppbv	95
48) Dibromochloromethane	7.393	129	121381	10.103	ppbv	97
49) Bromoform	9.487	173	102150	10.138	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	159280	9.478	ppbv	99
51) 2-Hexanone	7.438	43	126396	9.407	ppbv #	98
52) Tetrachloroethene	8.228	164	58272	8.832	ppbv	96
53) Toluene	6.940	91	191922	10.461	ppbv	99
54) 1,2-Dibromoethane	7.658	107	105149	9.664	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.927	131	92337	9.959	ppbv	97
57) Chlorobenzene	8.927	112	148759	9.431	ppbv	92
58) Ethyl Benzene	9.357	91	280660	10.698	ppbv	99
59) m/p-Xylene	9.555	91	468984m	21.324	ppbv	
60) o-Xylene	9.966	91	238347	10.824	ppbv	97
61) Styrene	9.872	104	91128	11.090	ppbv	97
62) Isopropylbenzene	10.542	105	337992	10.641	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	140306	9.242	ppbv	100
64) n-propylbenzene	10.992	120	79983	10.303	ppbv	99
65) tert-Butylbenzene	11.536	119	302506	10.672	ppbv	99
66) Benzyl Chloride	11.617	91	34933	10.663	ppbv	97
67) sec-Butylbenzene	11.769	105	425444	10.562	ppbv	99
69) p-Isopropyltoluene	11.927	119	363563	10.712	ppbv	98
70) n-Butylbenzene	12.283	91	371369	10.585	ppbv	99
71) 2-Chlorotoluene	10.905	91	264063	10.599	ppbv	99
72) 4-Ethyltoluene	11.128	105	287375	11.069	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	247128	10.823	ppbv	93
74) 1,2,4-Trimethylbenzene	11.539	105	278306	10.074	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	150026	9.754	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	151740	10.425	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	146314	9.719	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	133688	8.893	ppbv	99
79) Naphthalene	13.516	128	251318	10.806	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	198604	11.489	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	129406	10.433	ppbv	98

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

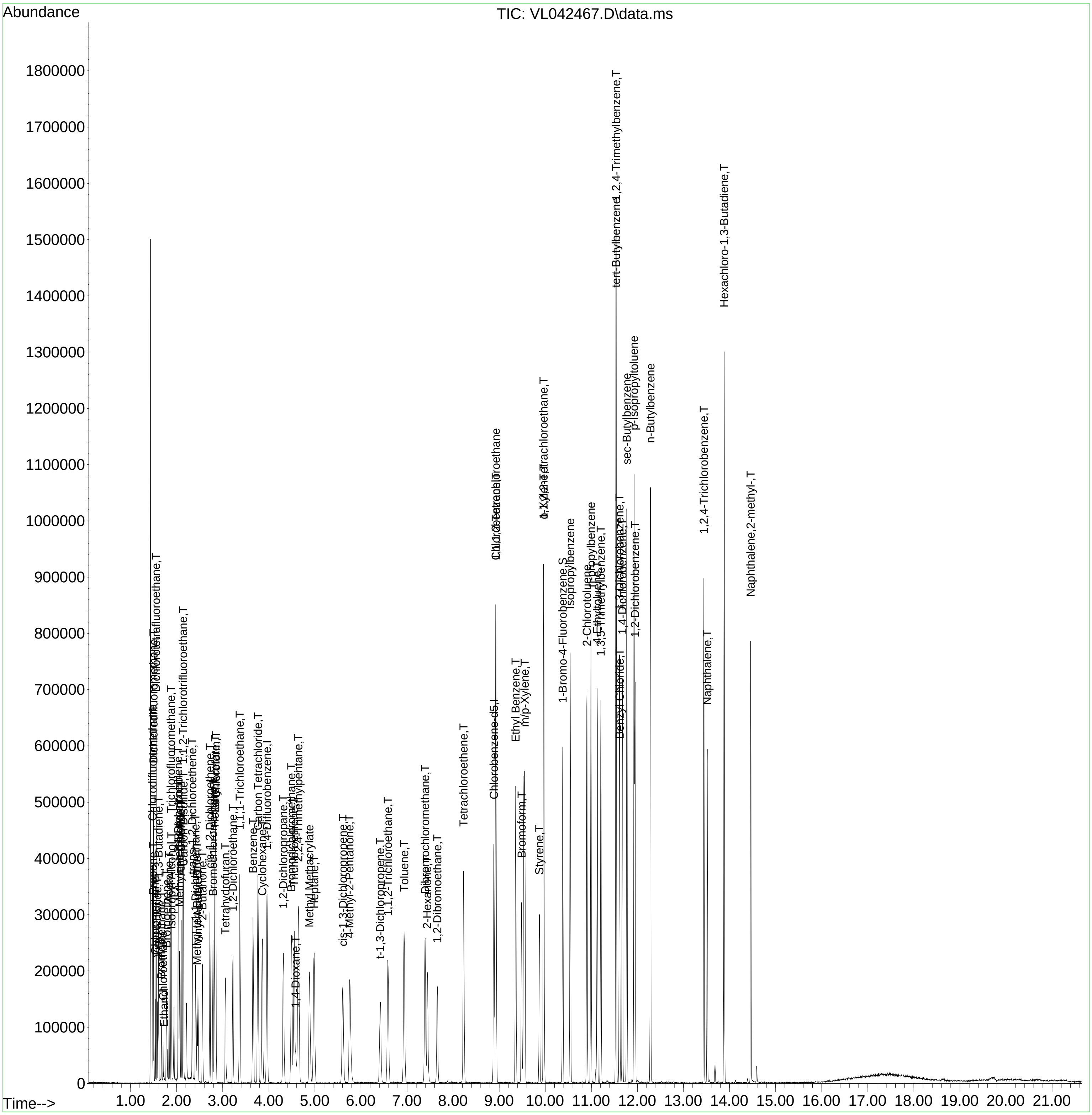
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 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	89	0.00
2	T	Dichlorodifluoromethane	1.655	1.712	-3.4	104	0.00
3		Chlorodifluoromethane	1.750	1.736	0.8	98	0.00
4		Chloromethane	0.692	0.692	0.0	99	0.00
5	T	Vinyl Chloride	0.696	0.648	6.9	102	0.00
6	T	Bromomethane	0.329	0.331	-0.6	103	0.00
7		Chloroethane	0.257	0.262	-1.9	101	0.00
8	T	Dichlorotetrafluoroethane	1.364	1.406	-3.1	101	0.00
9	T	Propene	0.572	0.581	-1.6	98	0.00
10	T	Heptane	1.484	1.489	-0.3	92	0.00
11	T	Trichlorofluoromethane	1.527	1.585	-3.8	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.219	1.277	-4.8	103	0.00
13		Ethanol	0.116	0.090	22.4	101	0.00
14	T	Bromoethene	0.450	0.474	-5.3	106	0.00
15	T	Acetone	1.826	1.502	17.7	101	0.00
16	T	1,3-Butadiene	0.805	0.780	3.1	102	0.00
17		tert-Butyl alcohol	1.608	1.606	0.1	96	0.00
18	T	1,1-Dichloroethene	0.569	0.563	1.1	101	0.00
19	T	Isopropyl Alcohol	1.010	0.960	5.0	98	0.00
20	T	Methylene Chloride	0.549	0.491	10.6	97	0.00
21	T	Allyl Chloride	1.174	1.155	1.6	95	0.00
22	T	trans-1,2-Dichloroethene	0.665	0.676	-1.7	109	0.00
23	T	Vinyl Acetate	1.742	1.780	-2.2	92	0.00
24	T	1,1-Dichloroethane	1.357	1.403	-3.4	104	0.00
25	T	Ethyl Acetate	2.923	2.930	-0.2	92	0.00
26	T	Hexane	1.273	1.308	-2.7	96	0.00
27	T	Carbon Disulfide	1.486	1.577	-6.1	99	0.00
28	T	Methyl tert-Butyl Ether	0.765	0.761	0.5	101	0.00
29	T	Chloroform	2.386	2.398	-0.5	97	0.00
30	T	Cyclohexane	1.065	1.111	-4.3	95	0.00
31	T	cis-1,2-Dichloroethene	1.486	1.508	-1.5	100	0.00
32	T	1,1,1-Trichloroethane	2.589	2.541	1.9	99	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.723	0.685	5.3	95	0.00
35	T	Carbon Tetrachloride	0.908	0.908	0.0	100	0.00
36	T	Benzene	0.944	0.933	1.2	95	0.00
37	T	1,2-Dichloroethane	0.727	0.708	2.6	97	0.00
38	T	Trichloroethene	0.360	0.359	0.3	94	0.00
39	T	1,2-Dichloropropane	0.353	0.327	7.4	94	0.00
40	T	1,4-Dioxane	0.165	0.154	6.7	93	0.00
41	T	Tetrahydrofuran	0.344	0.325	5.5	91	0.00
42	T	Bromodichloromethane	0.889	0.889	0.0	97	0.00
43		Methyl Methacrylate	0.352	0.368	-4.5	92	0.00
44	T	2,2,4-Trimethylpentane	1.530	1.509	1.4	96	0.00
45	T	t-1,3-Dichloropropene	0.462	0.488	-5.6	93	0.00
46	T	cis-1,3-Dichloropropene	0.549	0.570	-3.8	94	0.00
47	T	1,1,2-Trichloroethane	0.387	0.369	4.7	94	0.00
48	T	Dibromochloromethane	0.654	0.661	-1.1	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 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	0.549	0.556	-1.3	96	0.00
50	T	4-Methyl-2-Pentanone	0.915	0.867	5.2	91	0.00
51	T	2-Hexanone	0.731	0.688	5.9	87	0.00
52	T	Tetrachloroethene	0.359	0.317	11.7	95	0.00
53	T	Toluene	0.999	1.045	-4.6	94	0.00
54	T	1,2-Dibromoethane	0.592	0.572	3.4	94	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.591	0.588	0.5	98	0.00
57	T	Chlorobenzene	1.005	0.948	5.7	95	0.00
58	T	Ethyl Benzene	1.671	1.788	-7.0	93	0.00
59	T	m/p-Xylene	1.401	1.494	-6.6	94	0.03
60	T	o-Xylene	1.403	1.518	-8.2	96	0.00
61	T	Styrene	0.523	0.580	-10.9	90	0.00
62		Isopropylbenzene	2.023	2.153	-6.4	95	0.00
63	T	1,1,2,2-Tetrachloroethane	0.967	0.894	7.5	95	0.00
64		n-propylbenzene	0.495	0.510	-3.0	95	0.00
65		tert-Butylbenzene	1.806	1.927	-6.7	96	0.00
66	T	Benzyl Chloride	0.209	0.223	-6.7	87	0.00
67		sec-Butylbenzene	2.566	2.710	-5.6	96	0.00
68	S	1-Bromo-4-Fluorobenzene	0.927	0.959	-3.5	91	0.00
69		p-Isopropyltoluene	2.162	2.316	-7.1	97	0.00
70		n-Butylbenzene	2.235	2.366	-5.9	97	0.00
71		2-Chlorotoluene	1.587	1.682	-6.0	95	0.00
72	T	4-Ethyltoluene	1.654	1.831	-10.7	96	0.00
73	T	1,3,5-Trimethylbenzene	1.455	1.574	-8.2	96	0.00
74	T	1,2,4-Trimethylbenzene	1.760	1.773	-0.7	97	0.00
75	T	1,3-Dichlorobenzene	0.980	0.956	2.4	96	0.00
76	T	1,4-Dichlorobenzene	0.927	0.967	-4.3	96	0.00
77	T	1,2-Dichlorobenzene	0.959	0.932	2.8	97	0.00
78	T	Hexachloro-1,3-Butadiene	0.958	0.852	11.1	99	0.00
79	T	Naphthalene	1.482	1.601	-8.0	94	0.00
80	T	Naphthalene,2-methyl-	1.101	1.265	-14.9	97	0.00
81	T	1,2,4-Trichlorobenzene	0.790	0.824	-4.3	96	0.00

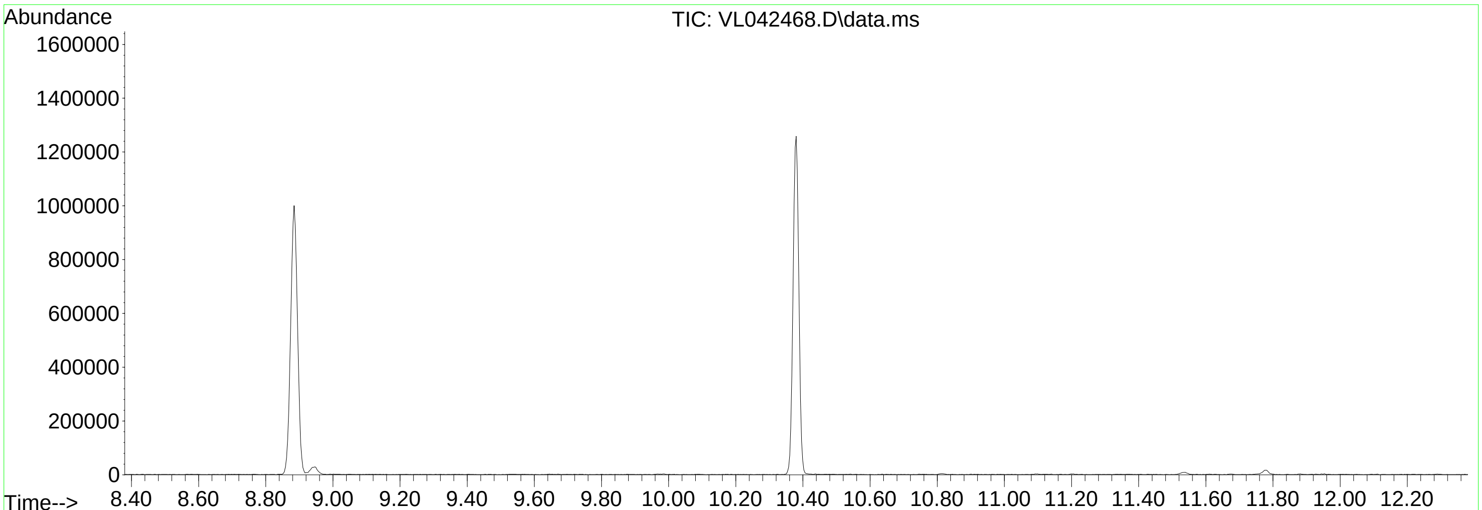
(#) = Out of Range SPCC's out = 0 CCC's out = 0

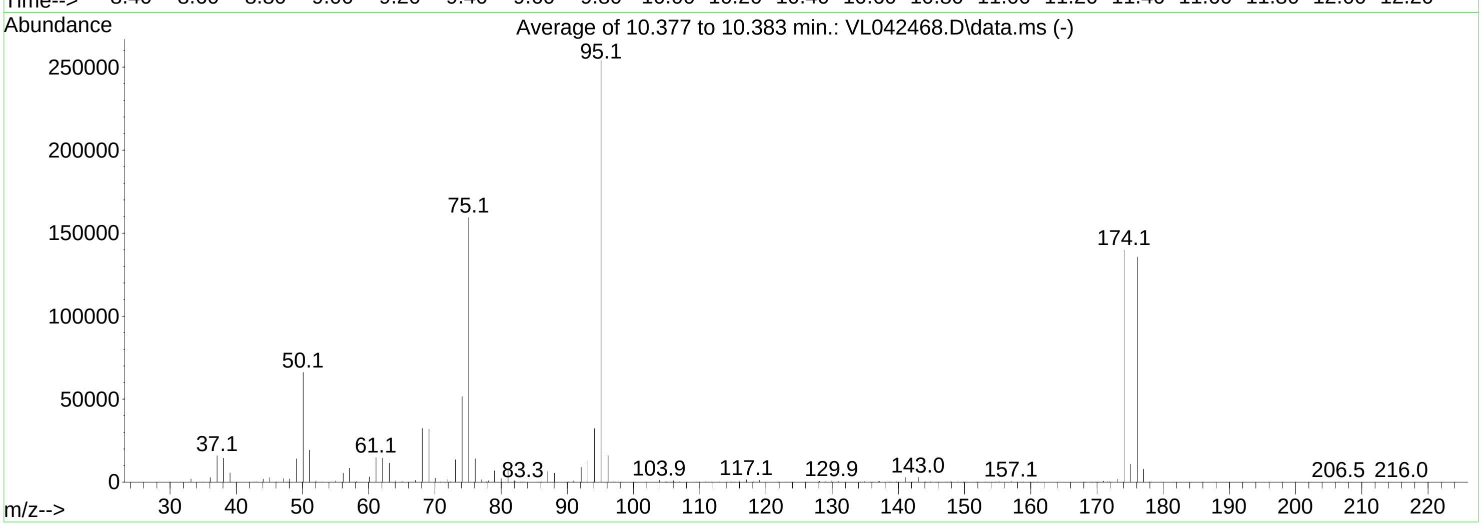
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042468.D
Acq On : 05 May 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 02 03:16:31 2025





AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.0	66184	PASS
75	95	30	66	62.7	159424	PASS
95	95	100	100	100.0	254123	PASS
96	95	5	9	6.3	15968	PASS
173	174	0.00	2	1.3	1836	PASS
174	95	50	120	55.0	139883	PASS
175	174	4	9	7.8	10890	PASS
176	174	93	101	97.0	135672	PASS
177	176	5	9	5.8	7826	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042469.D
Acq On : 05 May 2025 08:29
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: May 06 01:38:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.790	49	74861	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	207859	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.885	117	180939	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.380	95	171319	10.212 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.100%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	125145	10.102 ppbv	99
3) Chlorodifluoromethane	1.476	51	122899	9.383 ppbv	99
4) Chloromethane	1.534	50	49599	9.579 ppbv	92
5) Vinyl Chloride	1.580	62	46672	8.953 ppbv	98
6) Bromomethane	1.667	94	26234	10.651 ppbv	92
7) Chloroethane	1.706	64	19310	10.032 ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	104312	10.214 ppbv	99
9) Propene	1.486	41	39686	9.264 ppbv	98
10) Heptane	4.985	43	109506	9.854 ppbv	99
11) Trichlorofluoromethane	1.878	101	117806	10.305 ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	92903	10.178 ppbv	99
13) Ethanol	1.722	45	6032	6.938 ppbv	97
14) Bromoethene	1.784	108	33877	10.053 ppbv	99
15) Acetone	1.835	43	110962	8.120 ppbv	99
16) 1,3-Butadiene	1.609	39	56863	9.434 ppbv	99
17) tert-Butyl alcohol	2.043	59	124285	10.323 ppbv	100
18) 1,1-Dichloroethene	2.036	96	42276	9.919 ppbv	96
19) Isopropyl Alcohol	1.887	45	73049	9.658 ppbv	99
20) Methylene Chloride	2.062	84	36341	8.845 ppbv	96
21) Allyl Chloride	2.098	41	87203	9.922 ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	47159	9.474 ppbv	92
23) Vinyl Acetate	2.463	43	134402	10.305 ppbv	98
24) 1,1-Dichloroethane	2.412	63	97677	9.619 ppbv	100
25) Ethyl Acetate	2.839	43	212175	9.697 ppbv	100
26) Hexane	2.826	57	95290	9.996 ppbv	95
27) Carbon Disulfide	2.153	76	120890	10.867 ppbv #	92
28) Methyl tert-Butyl Ether	2.444	73	54017	9.432 ppbv	96
29) Chloroform	2.852	83	173954	9.738 ppbv	97
30) Cyclohexane	3.858	84	78668	9.871 ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	107420	9.659 ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	184899	9.540 ppbv	99
34) 2-Butanone	2.560	43	134813	8.967 ppbv	93
35) Carbon Tetrachloride	3.765	117	191095	10.120 ppbv	97
36) Benzene	3.661	78	192975	9.838 ppbv	96
37) 1,2-Dichloroethane	3.221	62	146792	9.710 ppbv	99
38) Trichloroethene	4.554	130	76779	10.264 ppbv	89
39) 1,2-Dichloropropane	4.318	63	67421	9.181 ppbv	93
40) 1,4-Dioxane	4.590	88	29648	8.622 ppbv #	100
41) Tetrahydrofuran	3.059	42	66188	9.263 ppbv	97
42) Bromodichloromethane	4.496	83	191130	10.347 ppbv	98
43) Methyl Methacrylate	4.881	69	76368	10.433 ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	312811	9.838 ppbv	100
45) t-1,3-Dichloropropene	6.422	75	105437	10.980 ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042469.D
Acq On : 05 May 2025 08:29
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:38:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	117796	10.321 ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	77722	9.651 ppbv	90
48) Dibromochloromethane	7.393	129	143524	10.556 ppbv	97
49) Bromoform	9.490	173	118610	10.402 ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	183038	9.625 ppbv	98
51) 2-Hexanone	7.445	43	147526	9.703 ppbv #	97
52) Tetrachloroethene	8.231	164	67482	9.038 ppbv	95
53) Toluene	6.940	91	220871	10.638 ppbv	98
54) 1,2-Dibromoethane	7.658	107	119914	9.739 ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	106249	9.942 ppbv	99
57) Chlorobenzene	8.927	112	168792	9.284 ppbv	96
58) Ethyl Benzene	9.361	91	317094	10.487 ppbv	100
59) m/p-Xylene	9.558	91	541542m	21.363 ppbv	
60) o-Xylene	9.969	91	267806	10.552 ppbv	100
61) Styrene	9.879	104	105698	11.160 ppbv	97
62) Isopropylbenzene	10.545	105	385788	10.538 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	159883	9.137 ppbv	99
64) n-propylbenzene	10.992	120	93317	10.429 ppbv	98
65) tert-Butylbenzene	11.536	119	349071	10.684 ppbv	99
66) Benzyl Chloride	11.620	91	50060	13.257 ppbv	96
67) sec-Butylbenzene	11.772	105	490679	10.568 ppbv	99
69) p-Isopropyltoluene	11.931	119	417116	10.663 ppbv	99
70) n-Butylbenzene	12.287	91	427083	10.561 ppbv	99
71) 2-Chlorotoluene	10.905	91	301623	10.504 ppbv	98
72) 4-Ethyltoluene	11.128	105	326323	10.905 ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	283998	10.791 ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	320216	10.056 ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	171827	9.693 ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	177262	10.566 ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	167623	9.660 ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	154431	8.913 ppbv	100
79) Naphthalene	13.517	128	294069	10.970 ppbv	98
80) Naphthalene,2-methyl-	14.462	142	236563	11.873 ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	151252	10.580 ppbv	99

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

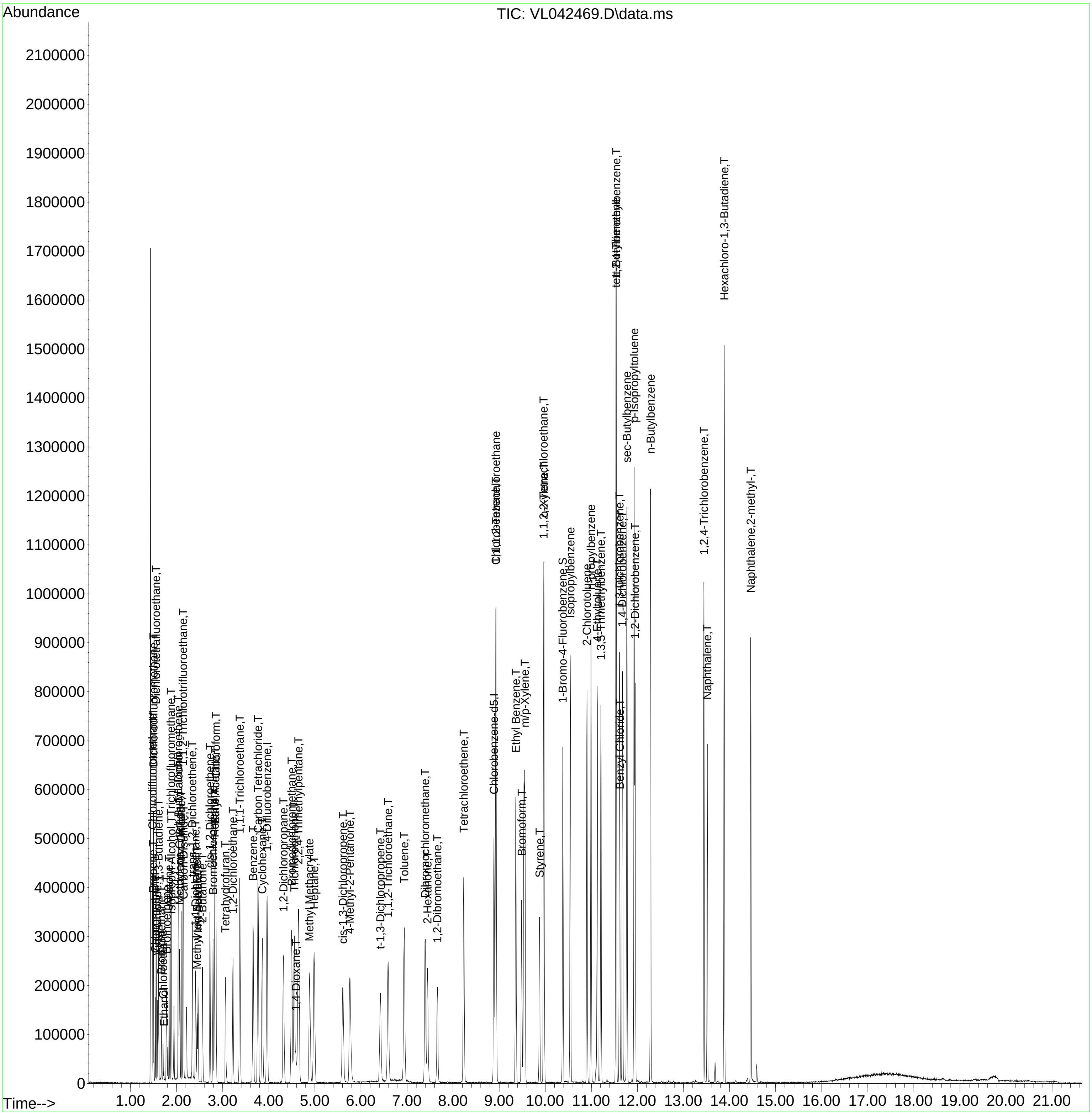
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042469.D
Acq On : 05 May 2025 08:29
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 06 01:38:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042469.D
Acq On : 05 May 2025 08:29
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: May 06 01:38:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 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	105	0.00
2	T	Dichlorodifluoromethane	1.655	1.672	-1.0	119	0.00
3		Chlorodifluoromethane	1.750	1.642	6.2	110	0.00
4		Chloromethane	0.692	0.663	4.2	111	0.00
5	T	Vinyl Chloride	0.696	0.623	10.5	115	0.00
6	T	Bromomethane	0.329	0.350	-6.4	129	0.00
7		Chloroethane	0.257	0.258	-0.4	117	0.00
8	T	Dichlorotetrafluoroethane	1.364	1.393	-2.1	118	0.00
9	T	Propene	0.572	0.530	7.3	106	0.00
10	T	Heptane	1.484	1.463	1.4	106	0.00
11	T	Trichlorofluoromethane	1.527	1.574	-3.1	120	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.219	1.241	-1.8	118	0.00
13		Ethanol	0.116	0.081	30.2#	106	0.00
14	T	Bromoethene	0.450	0.453	-0.7	119	0.00
15	T	Acetone	1.826	1.482	18.8	118	0.00
16	T	1,3-Butadiene	0.805	0.760	5.6	117	0.00
17		tert-Butyl alcohol	1.608	1.660	-3.2	117	0.00
18	T	1,1-Dichloroethene	0.569	0.565	0.7	120	0.00
19	T	Isopropyl Alcohol	1.010	0.976	3.4	117	0.00
20	T	Methylene Chloride	0.549	0.485	11.7	113	0.00
21	T	Allyl Chloride	1.174	1.165	0.8	113	0.00
22	T	trans-1,2-Dichloroethene	0.665	0.630	5.3	120	0.00
23	T	Vinyl Acetate	1.742	1.795	-3.0	109	0.00
24	T	1,1-Dichloroethane	1.357	1.305	3.8	114	0.00
25	T	Ethyl Acetate	2.923	2.834	3.0	105	0.00
26	T	Hexane	1.273	1.273	0.0	110	0.00
27	T	Carbon Disulfide	1.486	1.615	-8.7	119	0.00
28	T	Methyl tert-Butyl Ether	0.765	0.722	5.6	113	0.00
29	T	Chloroform	2.386	2.324	2.6	111	0.00
30	T	Cyclohexane	1.065	1.051	1.3	105	0.00
31	T	cis-1,2-Dichloroethene	1.486	1.435	3.4	112	0.00
32	T	1,1,1-Trichloroethane	2.589	2.470	4.6	113	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
34	T	2-Butanone	0.723	0.649	10.2	102	0.00
35	T	Carbon Tetrachloride	0.908	0.919	-1.2	115	0.00
36	T	Benzene	0.944	0.928	1.7	107	0.00
37	T	1,2-Dichloroethane	0.727	0.706	2.9	110	0.00
38	T	Trichloroethene	0.360	0.369	-2.5	110	0.00
39	T	1,2-Dichloropropane	0.353	0.324	8.2	106	0.00
40	T	1,4-Dioxane	0.165	0.143	13.3	98	0.00
41	T	Tetrahydrofuran	0.344	0.318	7.6	101	0.00
42	T	Bromodichloromethane	0.889	0.920	-3.5	113	0.00
43		Methyl Methacrylate	0.352	0.367	-4.3	104	0.00
44	T	2,2,4-Trimethylpentane	1.530	1.505	1.6	108	0.00
45	T	t-1,3-Dichloropropene	0.462	0.507	-9.7	109	0.00
46	T	cis-1,3-Dichloropropene	0.549	0.567	-3.3	105	0.00
47	T	1,1,2-Trichloroethane	0.387	0.374	3.4	108	0.00
48	T	Dibromochloromethane	0.654	0.690	-5.5	113	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042469.D
Acq On : 05 May 2025 08:29
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: May 06 01:38:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 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	0.549	0.571	-4.0	112	0.00
50	T	4-Methyl-2-Pentanone	0.915	0.881	3.7	104	0.00
51	T	2-Hexanone	0.731	0.710	2.9	102	0.00
52	T	Tetrachloroethene	0.359	0.325	9.5	110	0.00
53	T	Toluene	0.999	1.063	-6.4	108	0.00
54	T	1,2-Dibromoethane	0.592	0.577	2.5	108	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
56		1,1,1,2-Tetrachloroethane	0.591	0.587	0.7	113	0.00
57	T	Chlorobenzene	1.005	0.933	7.2	107	0.00
58	T	Ethyl Benzene	1.671	1.752	-4.8	106	0.00
59	T	m/p-Xylene	1.401	1.496	-6.8	109	0.03
60	T	o-Xylene	1.403	1.480	-5.5	108	0.00
61	T	Styrene	0.523	0.584	-11.7	104	0.00
62		Isopropylbenzene	2.023	2.132	-5.4	109	0.00
63	T	1,1,2,2-Tetrachloroethane	0.967	0.884	8.6	109	0.00
64		n-propylbenzene	0.495	0.516	-4.2	111	0.00
65		tert-Butylbenzene	1.806	1.929	-6.8	110	0.00
66	T	Benzyl Chloride	0.209	0.277	-32.5#	124	0.00
67		sec-Butylbenzene	2.566	2.712	-5.7	111	0.00
68	S	1-Bromo-4-Fluorobenzene	0.927	0.947	-2.2	103	0.00
69		p-Isopropyltoluene	2.162	2.305	-6.6	111	0.00
70		n-Butylbenzene	2.235	2.360	-5.6	112	0.00
71		2-Chlorotoluene	1.587	1.667	-5.0	108	0.00
72	T	4-Ethyltoluene	1.654	1.803	-9.0	109	0.00
73	T	1,3,5-Trimethylbenzene	1.455	1.570	-7.9	111	0.00
74	T	1,2,4-Trimethylbenzene	1.760	1.770	-0.6	112	0.00
75	T	1,3-Dichlorobenzene	0.980	0.950	3.1	110	0.00
76	T	1,4-Dichlorobenzene	0.927	0.980	-5.7	112	0.00
77	T	1,2-Dichlorobenzene	0.959	0.926	3.4	111	0.00
78	T	Hexachloro-1,3-Butadiene	0.958	0.853	11.0	115	0.00
79	T	Naphthalene	1.482	1.625	-9.6	111	0.00
80	T	Naphthalene,2-methyl-	1.101	1.307	-18.7	116	0.00
81	T	1,2,4-Trichlorobenzene	0.790	0.836	-5.8	112	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042470.D
Acq On : 05 May 2025 09:19
Operator : SY/MD
Sample : VL0505ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0505ABL01

Quant Time: May 06 01:38:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	74757	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	208518	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	177829	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	161047	9.768	ppbv	0.00

Spiked Amount 10.000 Range 65 - 135 Recovery = 97.700%

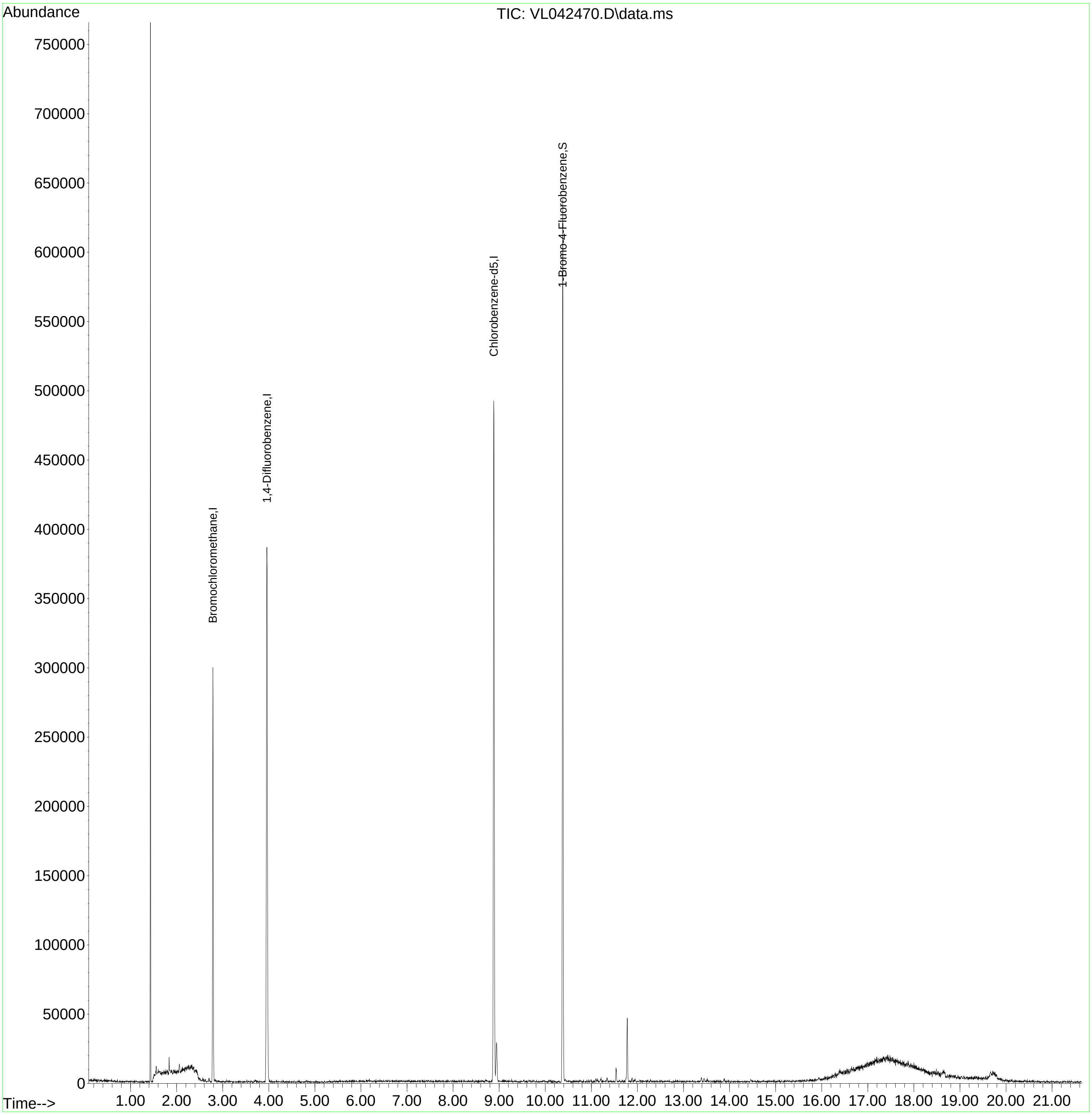
Target Compounds Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042470.D
Acq On : 05 May 2025 09:19
Operator : SY/MD
Sample : VL0505ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0505ABL01

Quant Time: May 06 01:38:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042471.D
Acq On : 05 May 2025 10:07
Operator : SY/MD
Sample : VL0505ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:39:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	73094	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	206118	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	177063	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	168649	10.273	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	124629	10.303	ppbv	97
3) Chlorodifluoromethane	1.476	51	121193	9.477	ppbv	100
4) Chloromethane	1.531	50	48459	9.585	ppbv	97
5) Vinyl Chloride	1.580	62	48263	9.482	ppbv	97
6) Bromomethane	1.667	94	24122	10.030	ppbv	89
7) Chloroethane	1.703	64	19046	10.134	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	103007	10.330	ppbv	99
9) Propene	1.483	41	38988	9.321	ppbv	99
10) Heptane	4.985	43	105620m	9.734	ppbv	
11) Trichlorofluoromethane	1.878	101	115696	10.365	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	90819	10.191	ppbv	99
13) Ethanol	1.722	45	5973	7.037	ppbv	99
14) Bromoethene	1.780	108	33388	10.148	ppbv	98
15) Acetone	1.835	43	106709	7.997	ppbv	99
16) 1,3-Butadiene	1.609	39	57359	9.746	ppbv	99
17) tert-Butyl alcohol	2.039	59	117319	9.980	ppbv	98
18) 1,1-Dichloroethene	2.033	96	41229	9.907	ppbv	98
19) Isopropyl Alcohol	1.887	45	70522	9.550	ppbv	100
20) Methylene Chloride	2.062	84	35706	8.901	ppbv	94
21) Allyl Chloride	2.094	41	84722	9.873	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	46305	9.528	ppbv	95
23) Vinyl Acetate	2.463	43	130023	10.210	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	98989	9.984	ppbv	99
25) Ethyl Acetate	2.836	43	207844	9.728	ppbv	100
26) Hexane	2.826	57	90030	9.673	ppbv	98
27) Carbon Disulfide	2.149	76	115286	10.614	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	58319	10.429	ppbv	100
29) Chloroform	2.849	83	168484	9.660	ppbv	98
30) Cyclohexane	3.858	84	78428	10.078	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	104191	9.595	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	182273	9.632	ppbv	99
34) 2-Butanone	2.557	43	133597	8.961	ppbv	95
35) Carbon Tetrachloride	3.761	117	188916	10.090	ppbv	95
36) Benzene	3.661	78	188320	9.682	ppbv	97
37) 1,2-Dichloroethane	3.221	62	145347	9.695	ppbv	100
38) Trichloroethene	4.548	130	74307m	10.017	ppbv	
39) 1,2-Dichloropropane	4.315	63	66905	9.188	ppbv	88
40) 1,4-Dioxane	4.580	88	31401	9.209	ppbv #	100
41) Tetrahydrofuran	3.056	42	66257	9.351	ppbv	97
42) Bromodichloromethane	4.489	83	189214	10.330	ppbv	93
43) Methyl Methacrylate	4.881	69	74953	10.326	ppbv	97
44) 2,2,4-Trimethylpentane	4.642	57	307008	9.737	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	103231	10.841	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042471.D
Acq On : 05 May 2025 10:07
Operator : SY/MD
Sample : VL0505ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

Quant Time: May 06 01:39:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	116725	10.313	ppbv	95
47) 1,1,2-Trichloroethane	6.584	97	77049	9.648	ppbv #	92
48) Dibromochloromethane	7.390	129	138518	10.274	ppbv	97
49) Bromoform	9.487	173	114364	10.115	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	177898	9.433	ppbv	99
51) 2-Hexanone	7.438	43	145213	9.631	ppbv	98
52) Tetrachloroethene	8.228	164	67191	9.076	ppbv	86
53) Toluene	6.936	91	214815	10.434	ppbv	98
54) 1,2-Dibromoethane	7.655	107	117449	9.619	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	103494	9.897	ppbv	98
57) Chlorobenzene	8.924	112	168941	9.495	ppbv	94
58) Ethyl Benzene	9.357	91	312698	10.568	ppbv	96
59) m/p-Xylene	9.552	91	532663m	21.473	ppbv	
60) o-Xylene	9.966	91	267198	10.758	ppbv	100
61) Styrene	9.875	104	103232	11.138	ppbv	97
62) Isopropylbenzene	10.542	105	380840	10.630	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	155457	9.079	ppbv	100
64) n-propylbenzene	10.992	120	93814	10.714	ppbv	94
65) tert-Butylbenzene	11.532	119	342014	10.697	ppbv	97
66) Benzyl Chloride	11.620	91	45711	12.370	ppbv	98
67) sec-Butylbenzene	11.769	105	480000	10.565	ppbv	99
69) p-Isopropyltoluene	11.927	119	412889	10.786	ppbv	99
70) n-Butylbenzene	12.283	91	425652	10.756	ppbv	98
71) 2-Chlorotoluene	10.905	91	301813	10.741	ppbv	100
72) 4-Ethyltoluene	11.128	105	326835	11.161	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	280716	10.900	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	316052	10.143	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	174274	10.046	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	174860	10.651	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	166423	9.801	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	153156	9.032	ppbv	99
79) Naphthalene	13.513	128	286218	10.911	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	232641	11.932	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	147081	10.513	ppbv	99

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

Quantitation Report (QT Reviewed)

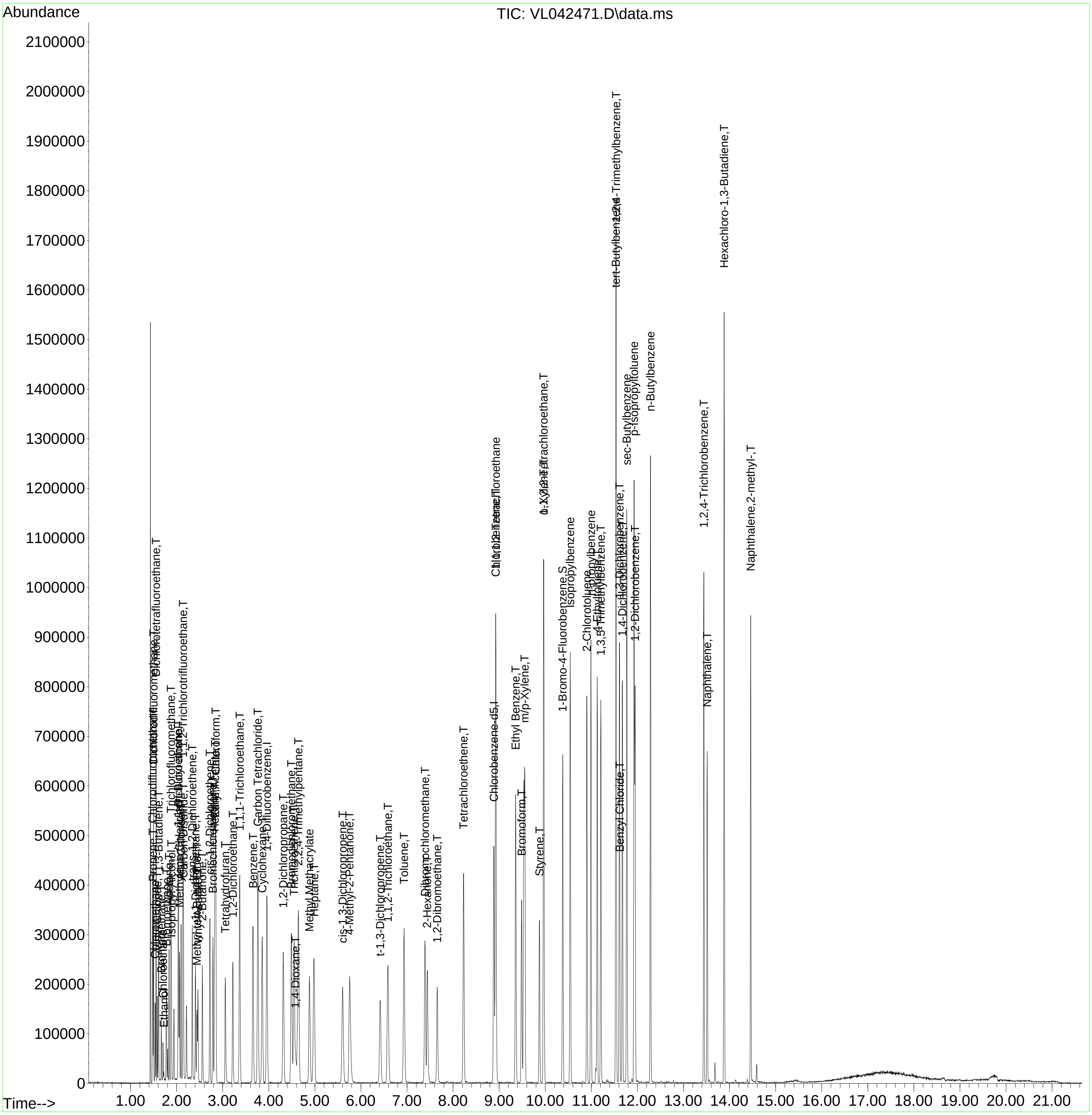
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042471.D
Acq On    : 05 May 2025  10:07
Operator  : SY/MD
Sample    : VL0505ABS01
Misc      : 400mL/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 06 01:39:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042485.D
Acq On : 05 May 2025 20:26
Operator : SY/MD
Sample : QC042825 CAN 10492
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042825 CAN 10492

Quant Time: May 06 01:46:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	62446	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	169909	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	147043	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	133429	9.787	ppbv	0.00

Spiked Amount 10.000 Range 65 - 135 Recovery = 97.900%

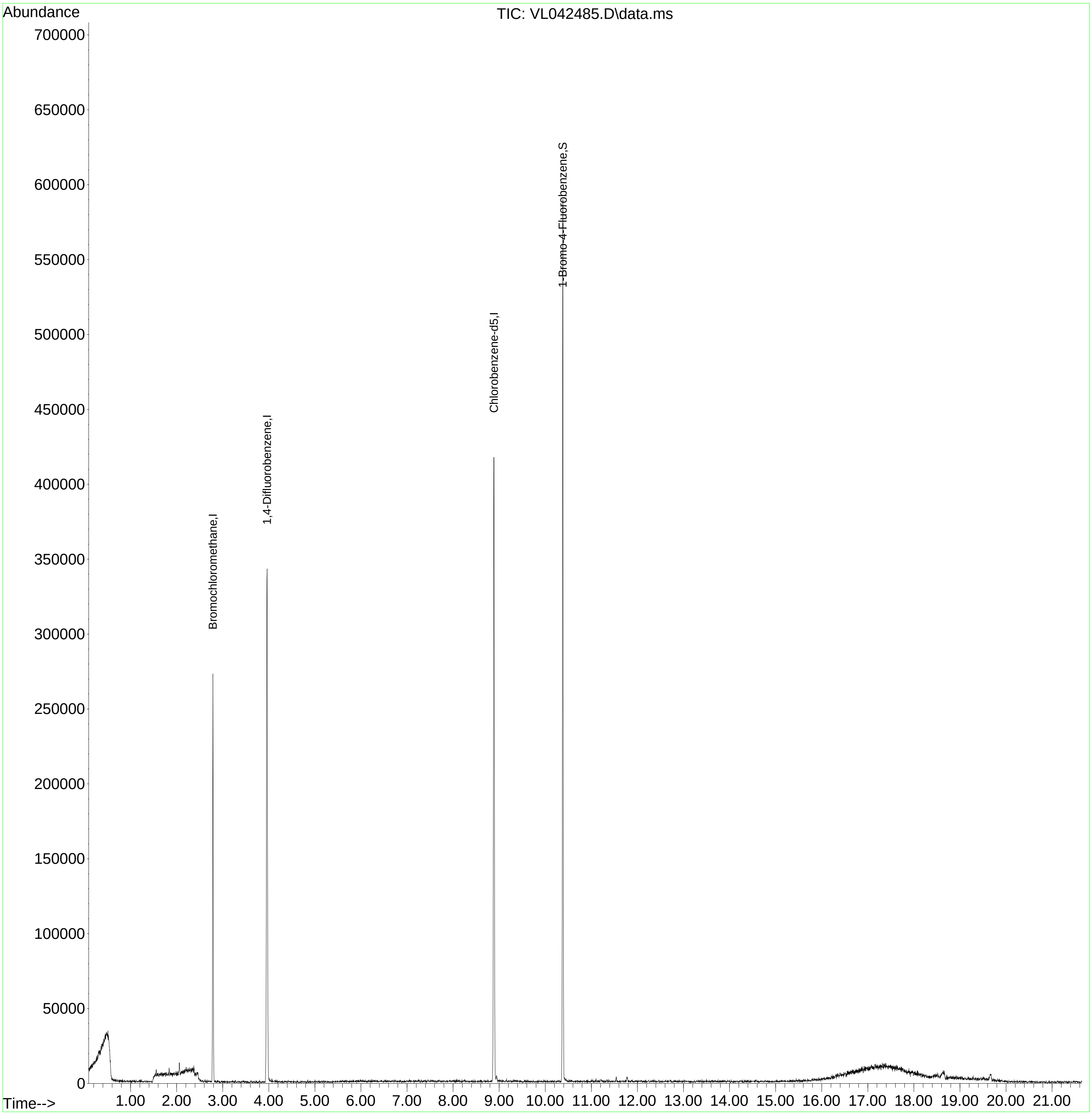
Target Compounds Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
Data File : VL042485.D
Acq On : 05 May 2025 20:26
Operator : SY/MD
Sample : QC042825 CAN 10492
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042825 CAN 10492

Quant Time: May 06 01:46:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 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 # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042171.D	27 Mar 2025 07:44	SY/MD	Ok
2	VSTDICCC010	VL042172.D	27 Mar 2025 08:26	SY/MD	Ok,M
3	VSTDICC002	VL042173.D	27 Mar 2025 08:59	SY/MD	Ok,M
4	VSTDICC001	VL042174.D	27 Mar 2025 09:30	SY/MD	Ok,M
5	VSTDICC0.5	VL042175.D	27 Mar 2025 10:01	SY/MD	Ok,M
6	VSTDICC0.1	VL042176.D	27 Mar 2025 10:32	SY/MD	Ok,M
7	VSTDICC0.03	VL042177.D	27 Mar 2025 11:03	SY/MD	Ok,M
8	VSTDICC015	VL042178.D	27 Mar 2025 11:36	SY/MD	Ok,M
9	VSTDICV010	VL042179.D	27 Mar 2025 12:23	SY/MD	Ok,M
10	VL0327ABL01	VL042180.D	27 Mar 2025 13:50	SY/MD	Ok
11	VL0327ABS01	VL042181.D	27 Mar 2025 14:39	SY/MD	Ok,M
12	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41	SY/MD	Ok
13	Q1649-01	VL042183.D	27 Mar 2025 17:13	SY/MD	Not Ok
14	Q1649-02	VL042184.D	27 Mar 2025 17:45	SY/MD	Not Ok
15	Q1669-01	VL042185.D	27 Mar 2025 18:22	SY/MD	Dilution
16	Q1669-02	VL042186.D	27 Mar 2025 18:59	SY/MD	Ok,M
17	Q1669-03	VL042187.D	27 Mar 2025 19:36	SY/MD	Ok,M
18	Q1669-04	VL042188.D	27 Mar 2025 20:12	SY/MD	Ok,M
19	Q1669-09	VL042189.D	27 Mar 2025 20:48	SY/MD	Ok,M
20	Q1669-09DUP	VL042190.D	27 Mar 2025 21:24	SY/MD	Ok,M
21	Q1669-05	VL042191.D	27 Mar 2025 21:57	SY/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1669-07DL	VL042192.D	27 Mar 2025 22:29	SY/MD	Ok,M
23	Q1669-08	VL042193.D	27 Mar 2025 23:01	SY/MD	Not Ok
24	VIBLK	VL042194.D	27 Mar 2025 23:34	SY/MD	Ok
25	Q1669-01DL	VL042195.D	28 Mar 2025 00:06	SY/MD	Ok,M
26	Q1669-01DUP	VL042196.D	28 Mar 2025 00:44	SY/MD	Ok,M
27	Q1669-05	VL042197.D	28 Mar 2025 01:20	SY/MD	Ok,M
28	Q1669-07	VL042198.D	28 Mar 2025 01:57	SY/MD	Dilution
29	Q1669-08	VL042199.D	28 Mar 2025 02:33	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041525

Review By	Semsettin Yesilyurt	Review On	4/16/2025 2:19:24 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/16/2025 3:47:46 PM		
SubDirectory	VL041525	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2591
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2591
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042325.D	15 Apr 2025 07:45	SY/MD	Ok
2	VSTDCCC010	VL042326.D	15 Apr 2025 11:30	SY/MD	Ok,M
3	VL0415ABL01	VL042327.D	15 Apr 2025 12:12	SY/MD	Ok
4	VL0415ABS01	VL042328.D	15 Apr 2025 12:54	SY/MD	Ok,M
5	QC041425 CAN 10401	VL042329.D	15 Apr 2025 13:26	SY/MD	Not Ok
6	QC041425 CAN 10401	VL042330.D	15 Apr 2025 13:57	SY/MD	Ok
7	Q1665-18DL	VL042331.D	15 Apr 2025 14:29	SY/MD	Ok
8	Q1665-10DL2	VL042332.D	15 Apr 2025 15:01	SY/MD	Ok,M
9	Q1802-02	VL042333.D	15 Apr 2025 15:35	SY/MD	Ok,M
10	Q1802-02DUP	VL042334.D	15 Apr 2025 16:08	SY/MD	Ok,M
11	Q1802-03	VL042335.D	15 Apr 2025 16:42	SY/MD	Ok,M
12	Q1802-01	VL042336.D	15 Apr 2025 17:14	SY/MD	Dilution
13	Q1802-01DL	VL042337.D	15 Apr 2025 17:46	SY/MD	Not Ok
14	Q1802-01DL	VL042338.D	15 Apr 2025 18:21	SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL050125

Review By	Semsettin Yesilyurt	Review On	5/2/2025 7:59:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:55:39 PM		
SubDirectory	VL050125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL050125AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2603
Initial Calibration Stds	AP2606,AP2607,AP2608
CCC	AP2606
Internal Standard/PEM	AP2603
ICV/I.BLK	AP2609
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042457.D	01 May 2025 08:19	SY/MD	Ok
2	VSTDICCC010	VL042458.D	01 May 2025 09:03	SY/MD	Ok,M
3	VSTDICC002	VL042459.D	01 May 2025 09:37	SY/MD	Ok,M
4	VSTDICC001	VL042460.D	01 May 2025 10:08	SY/MD	Ok,M
5	VSTDICC0.5	VL042461.D	01 May 2025 10:40	SY/MD	Ok,M
6	VSTDICC0.1	VL042462.D	01 May 2025 11:12	SY/MD	Ok,M
7	VSTDICC0.03	VL042463.D	01 May 2025 11:44	SY/MD	Not Ok
8	VSTDICC0.03	VL042464.D	01 May 2025 12:15	SY/MD	Not Ok
9	VSTDICC015	VL042465.D	01 May 2025 12:49	SY/MD	Ok,M
10	VSTDICC0.03	VL042466.D	01 May 2025 14:10	SY/MD	Ok,M
11	VSTDICV010	VL042467.D	01 May 2025 15:46	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL050525

Review By	Semsettin Yesilyurt	Review On	5/6/2025 10:22:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:42:58 PM		
SubDirectory	VL050525	HP Acquire Method	TO15AIR.M	HP Processing Method	VL050125AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2603
Initial Calibration Stds	AP2606,AP2607,AP2608
CCC	AP2606
Internal Standard/PEM	AP2603
ICV/I.BLK	AP2609
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042468.D	05 May 2025 07:45	SY/MD	Ok
2	VSTDCCC010	VL042469.D	05 May 2025 08:29	SY/MD	Ok,M
3	VL0505ABL01	VL042470.D	05 May 2025 09:19	SY/MD	Ok
4	VL0505ABS01	VL042471.D	05 May 2025 10:07	SY/MD	Ok,M
5	Q1927-03DL	VL042472.D	05 May 2025 10:50	SY/MD	Not Ok
6	Q1927-04DL	VL042473.D	05 May 2025 11:22	SY/MD	Ok,M
7	Q1927-03	VL042474.D	05 May 2025 13:11	SY/MD	Ok,M
8	Q1927-04	VL042475.D	05 May 2025 14:44	SY/MD	Dilution
9	Q1927-01	VL042476.D	05 May 2025 15:18	SY/MD	Ok,M
10	Q1927-01DUP	VL042477.D	05 May 2025 15:53	SY/MD	Ok,M
11	Q1927-01DL	VL042478.D	05 May 2025 16:25	SY/MD	Not Ok
12	Q1927-02	VL042479.D	05 May 2025 16:59	SY/MD	Ok,M
13	Q1927-02DL	VL042480.D	05 May 2025 17:31	SY/MD	Not Ok
14	Q1927-05	VL042481.D	05 May 2025 18:06	SY/MD	Ok,M
15	Q1927-05DL	VL042482.D	05 May 2025 18:39	SY/MD	Not Ok
16	Q1927-06	VL042483.D	05 May 2025 19:15	SY/MD	Ok,M
17	Q1927-06DL	VL042484.D	05 May 2025 19:49	SY/MD	Not Ok
18	QC042825 CAN 10492	VL042485.D	05 May 2025 20:26	SY/MD	Ok

M : Manual Integration

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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	5404	6.909	ppbv	95
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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

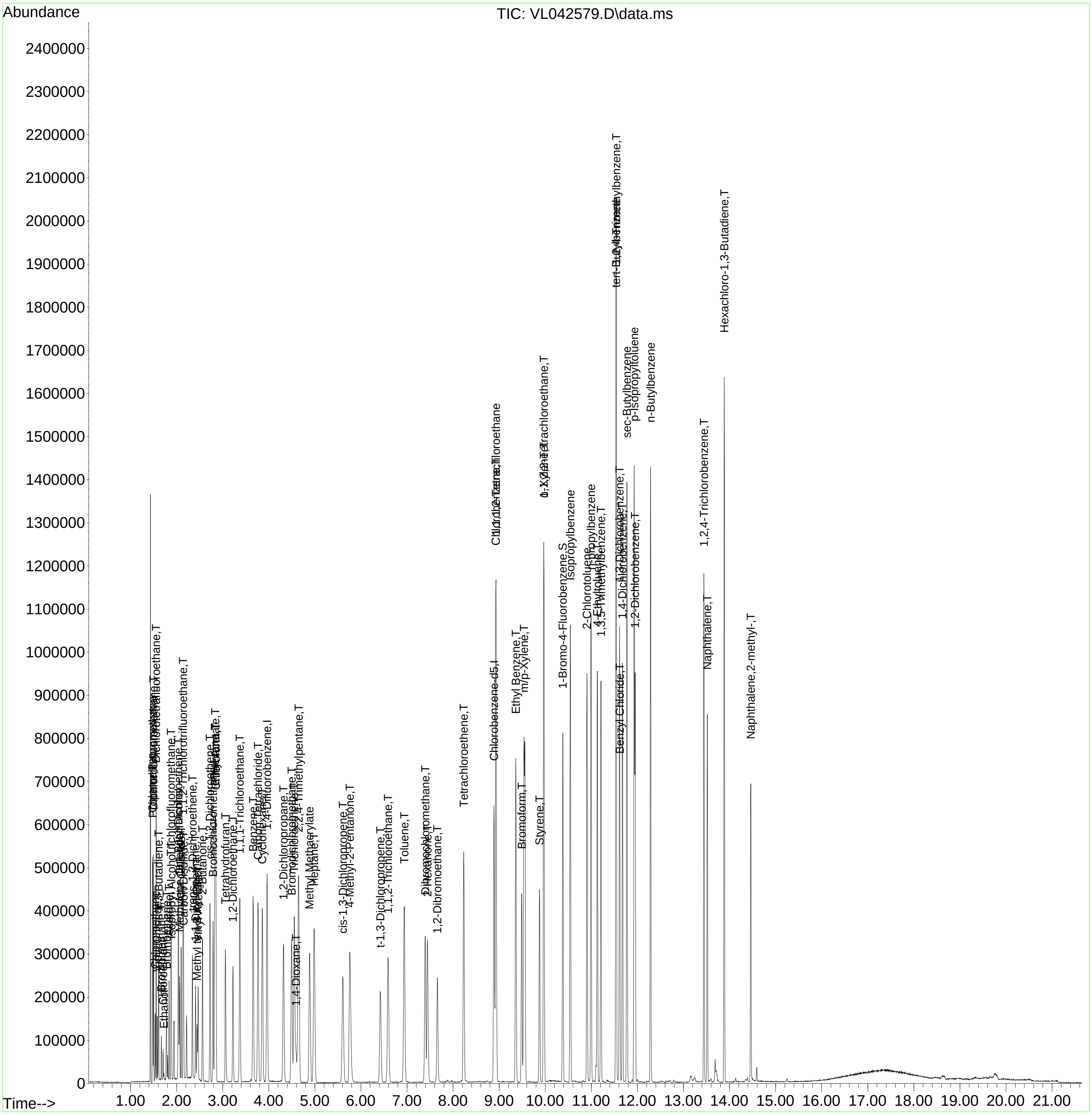
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	162155	9.614 ppbv	100
47) 1,1,2-Trichloroethane	6.587	97	105576	9.097 ppbv	100
48) Dibromochloromethane	7.396	129	175572	9.450 ppbv	100
49) Bromoform	9.490	173	156317	9.751 ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	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	335232	8.784 ppbv #	29
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

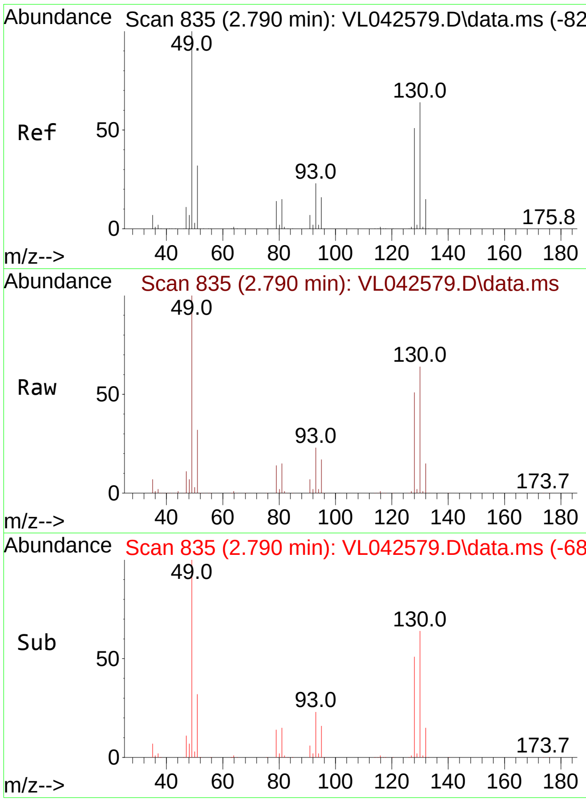
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration



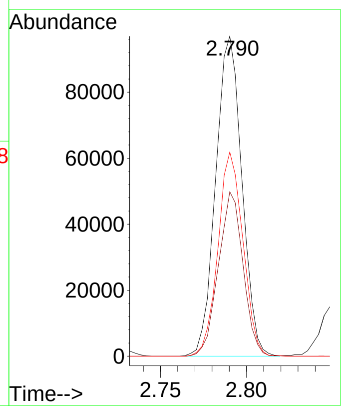


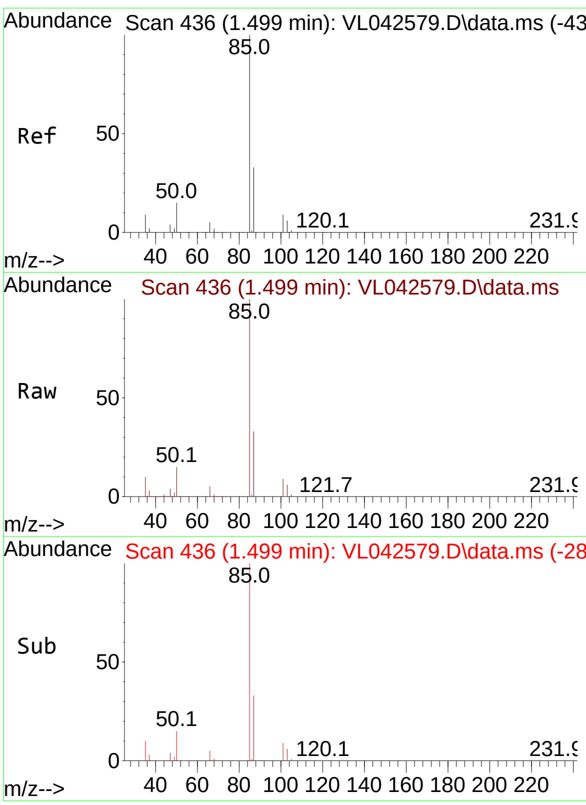
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 102792

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.2	72.6
130	60.8	30.4	91.2

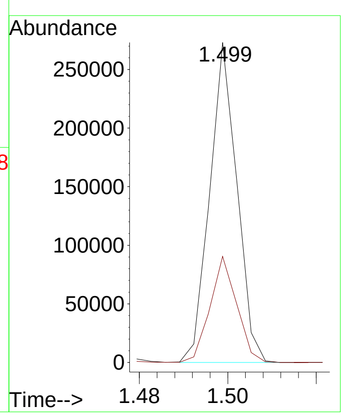


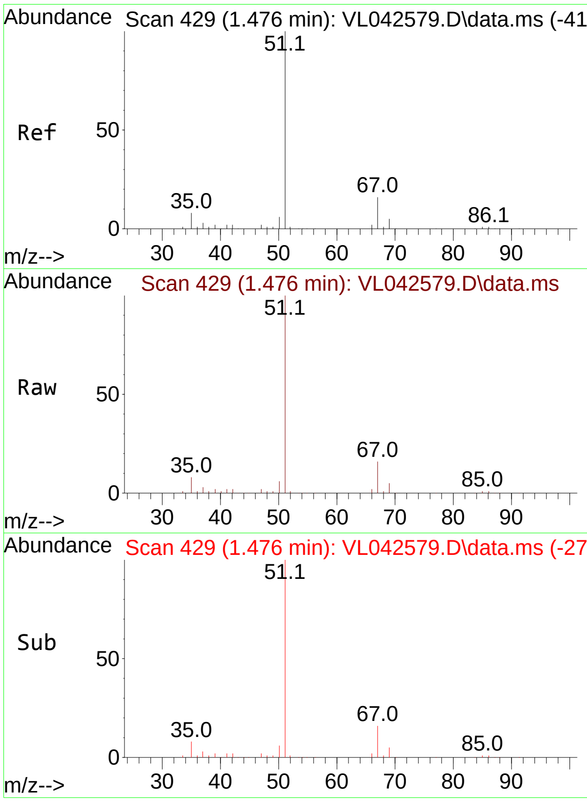


#2
Dichlorodifluoromethane
Concen: 9.232 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 85 Resp: 116625

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	39.8





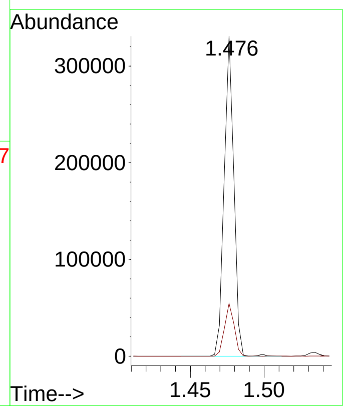
#3
Chlorodifluoromethane
Concen: 8.715 ppbv
RT: 1.476 min   Scan# 4

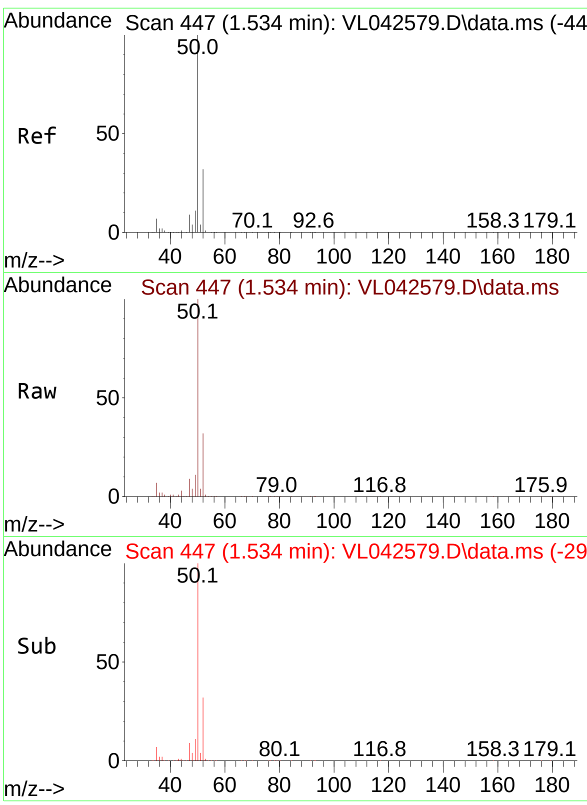
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 51 Resp: 151637

Ion	Ratio	Lower	Upper
51	100		
67	16.8	13.4	20.2

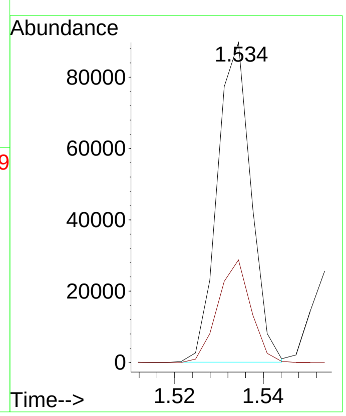


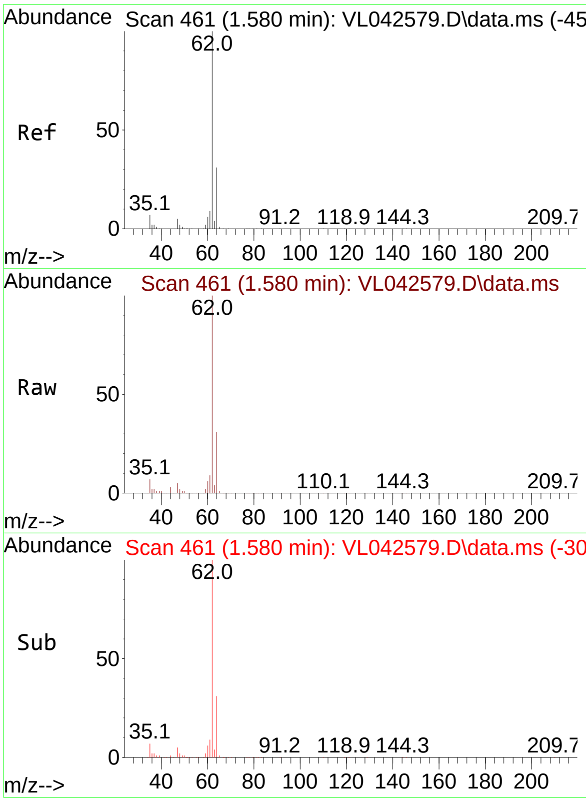


#4
Chloromethane
Concen: 9.478 ppbv
RT: 1.534 min   Scan# 447
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 50 Resp: 47416

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6





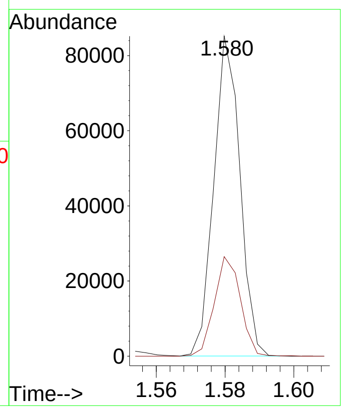
#5
Vinyl Chloride
Concen: 8.809 ppbv
RT: 1.580 min Scan# 4

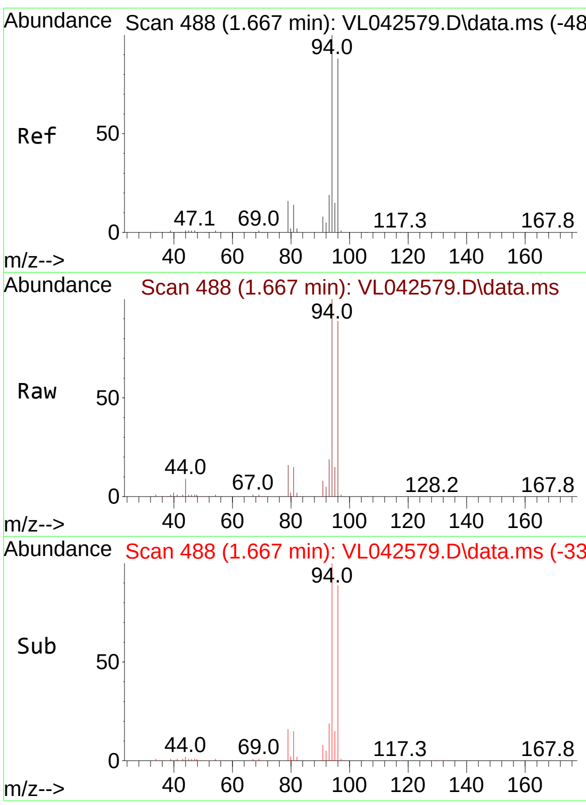
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 62 Resp: 44895

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

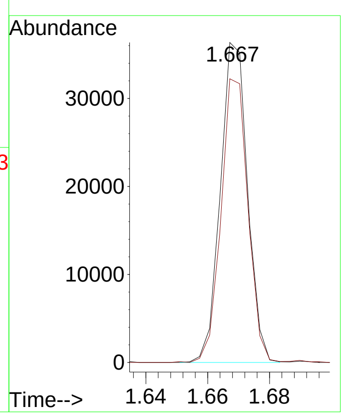


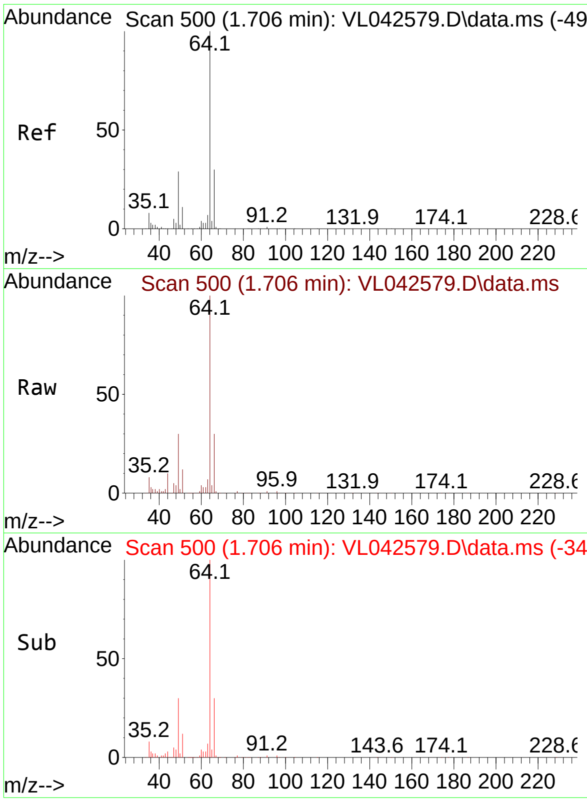


#6
Bromomethane
Concen: 8.953 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 94 Resp: 22207

Ion	Ratio	Lower	Upper
94	100		
96	88.4	70.7	106.1



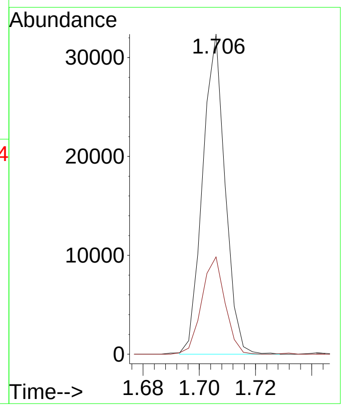


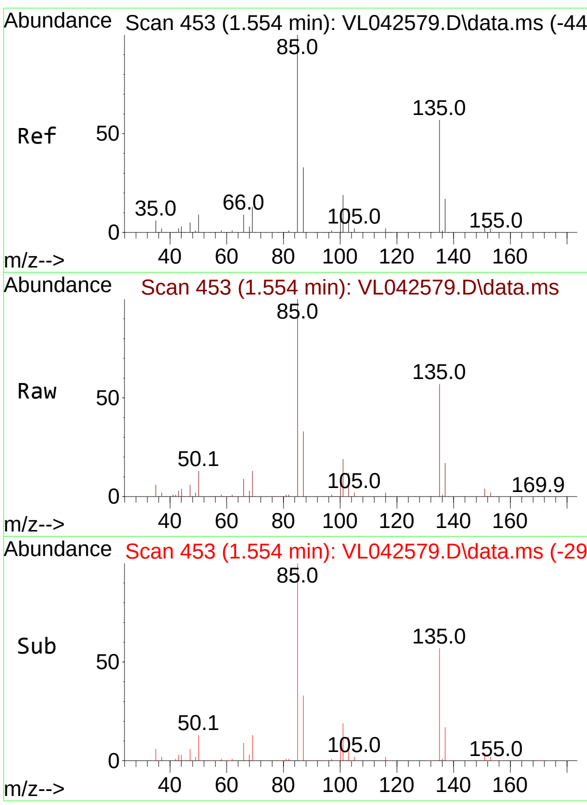
#7
Chloroethane
Concen: 9.066 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 17953

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5

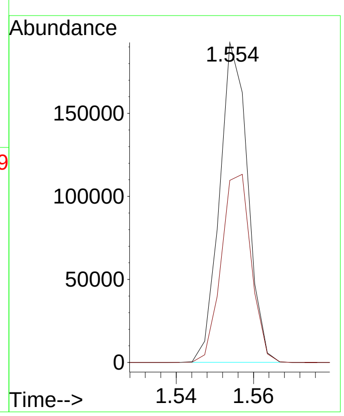


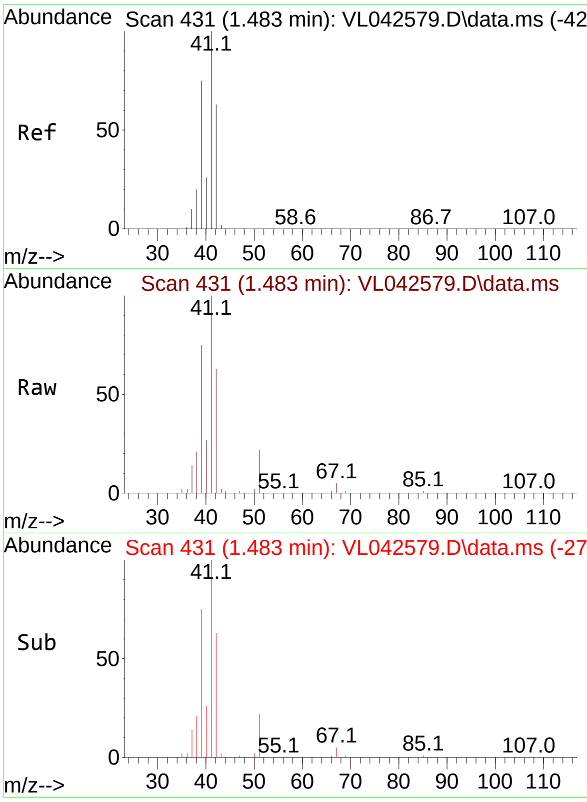


#8
Dichlorotetrafluoroethane
Concen: 9.255 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 85 Resp: 97419

Ion	Ratio	Lower	Upper
85	100		
135	62.8	50.2	75.4



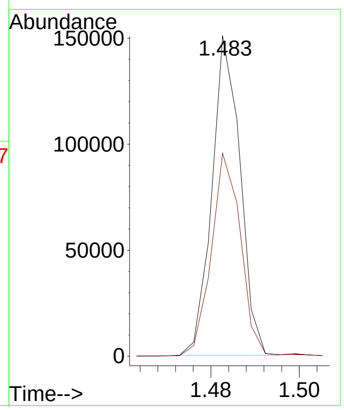


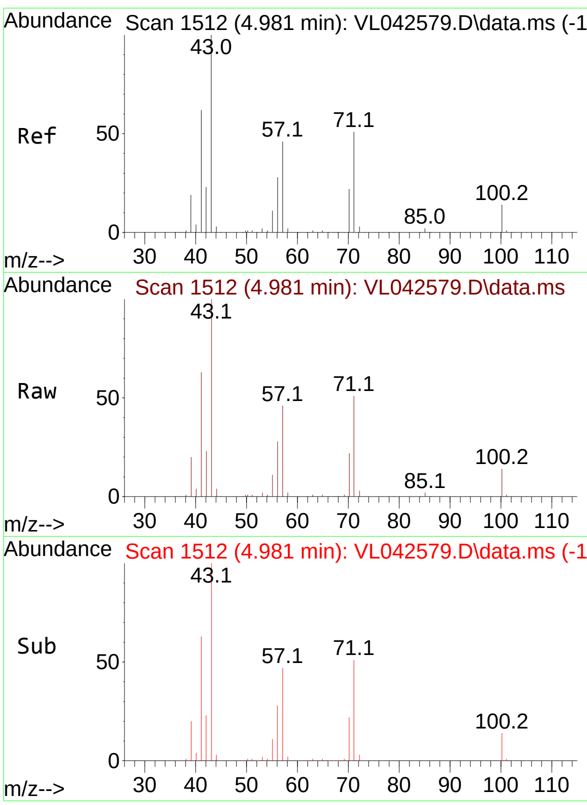
#9
Propene
Concen: 9.529 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 66767

Ion	Ratio	Lower	Upper
41	100		
42	66.9	53.3	79.9

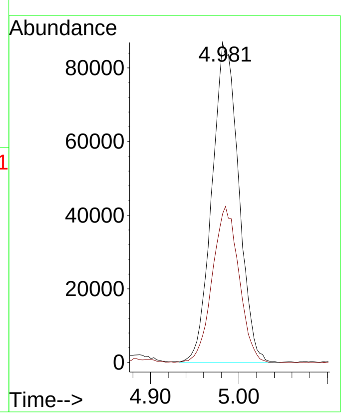


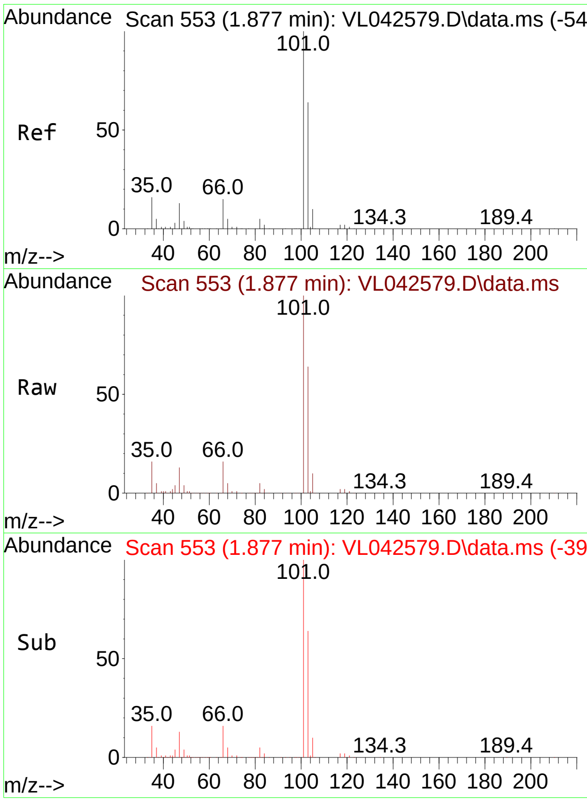


#10
Heptane
Concen: 9.236 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 182619

Ion	Ratio	Lower	Upper
43	100		
57	48.6	38.9	58.3



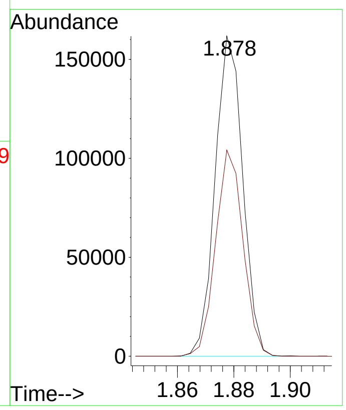


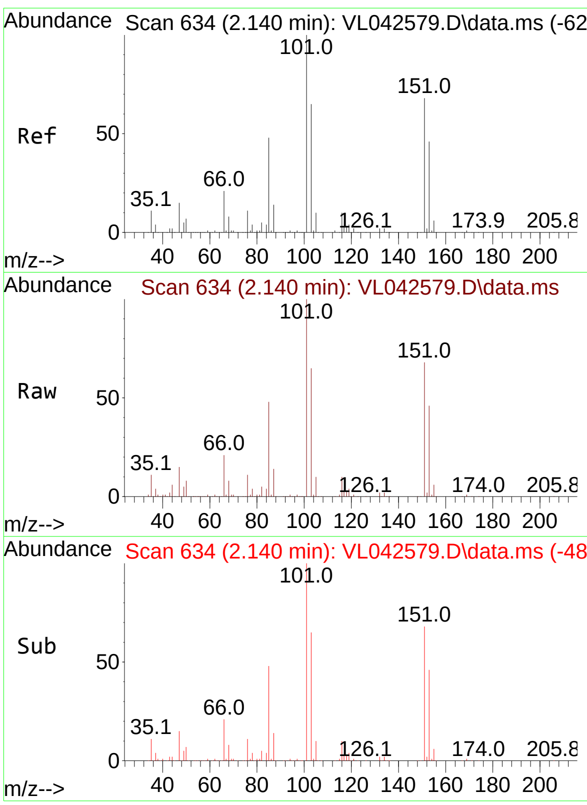
#11
Trichlorofluoromethane
Concen: 9.363 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 110055

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

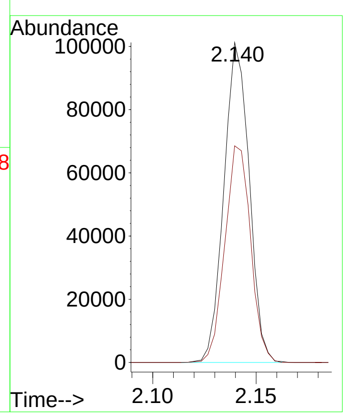


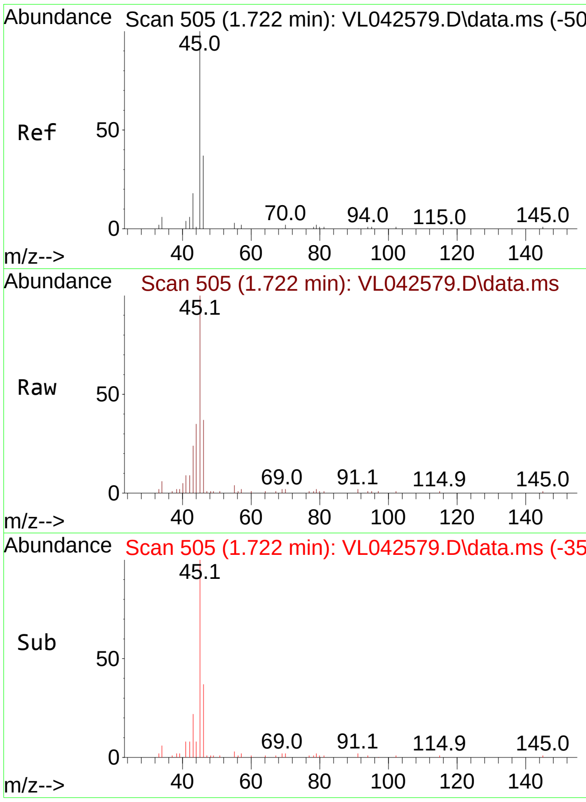


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.330 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:101 Resp: 86117

Ion	Ratio	Lower	Upper
101	100		
151	69.1	55.3	82.9



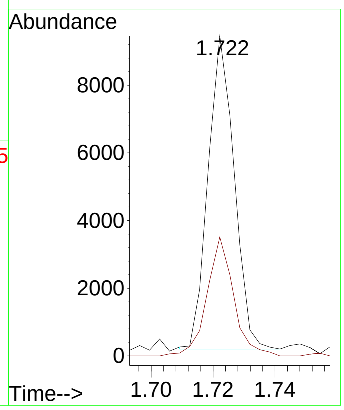


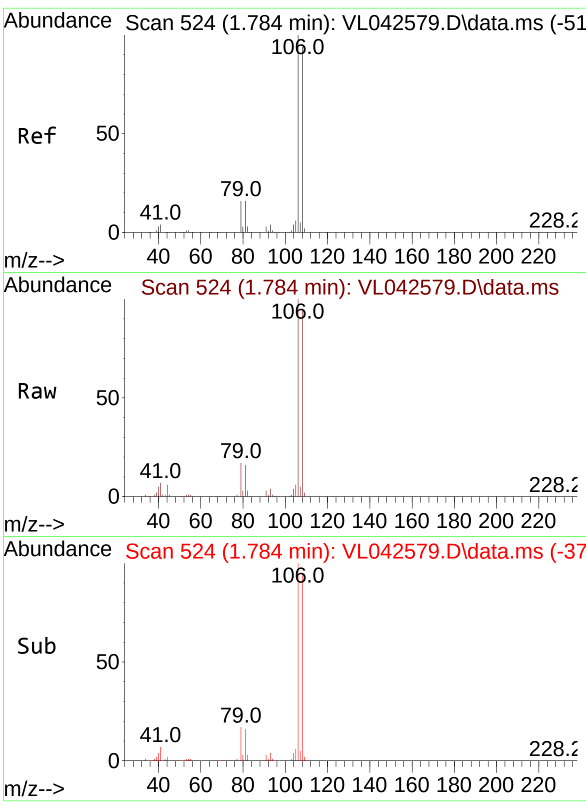
#13
Ethanol
Concen: 6.909 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 5404

Ion	Ratio	Lower	Upper
45	100		
46	39.2	14.5	58.1

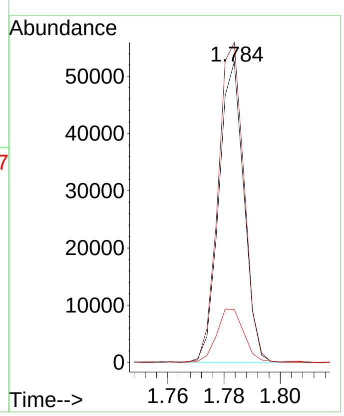


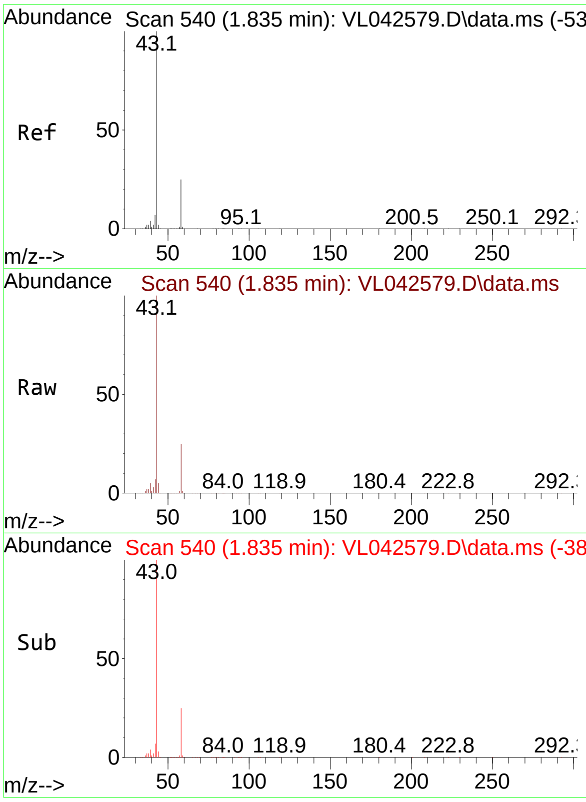


#14
Bromoethene
Concen: 9.386 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:108 Resp: 32588

Ion	Ratio	Lower	Upper
108	100		
106	109.9	87.9	131.9
79	19.5	15.6	23.4



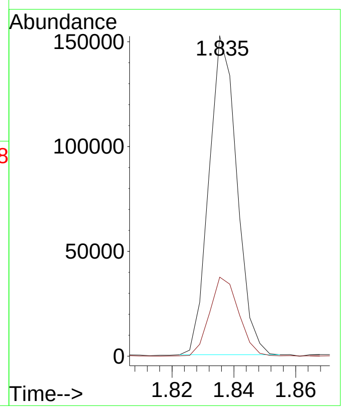


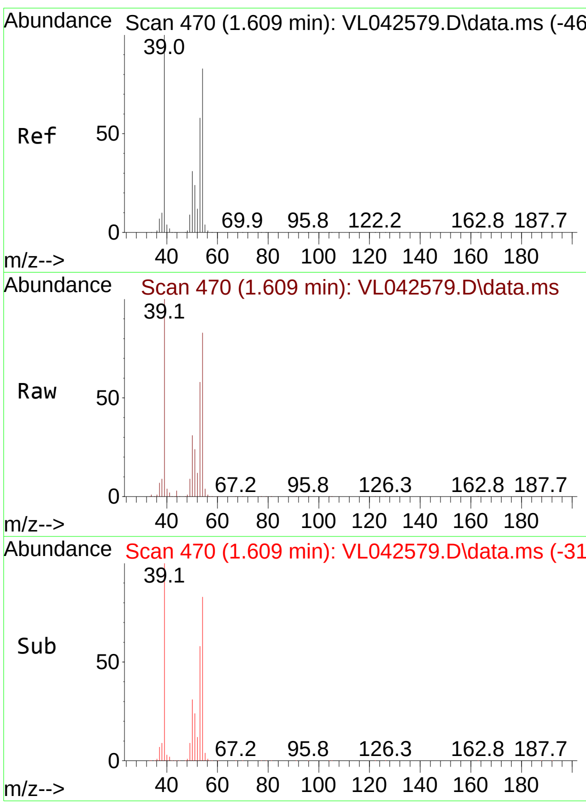
#15
Acetone
Concen: 7.708 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 95441

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.0	31.4

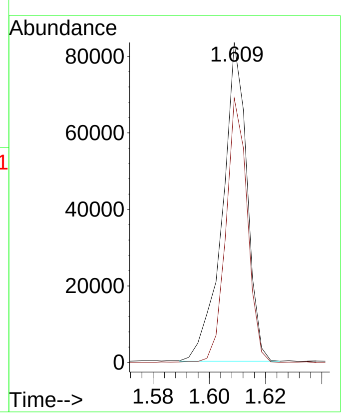


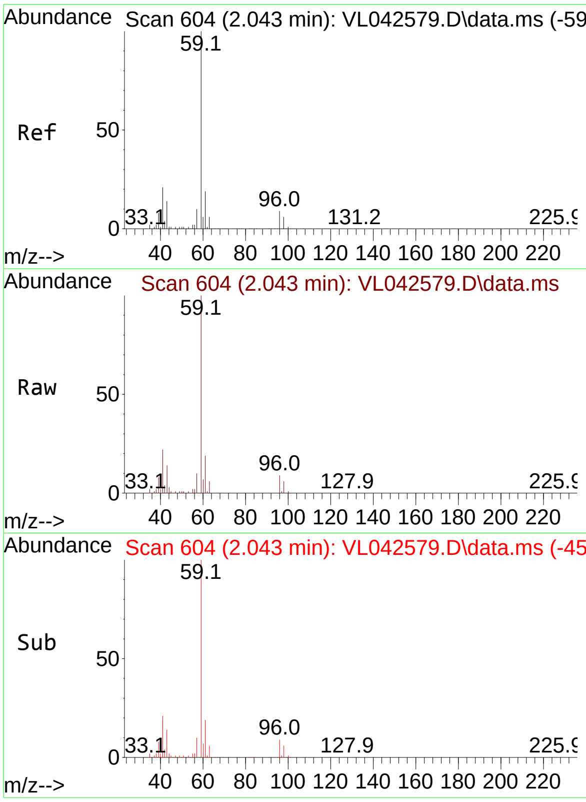


#16
1,3-Butadiene
Concen: 8.607 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 39 Resp: 50485

Ion	Ratio	Lower	Upper
39	100		
54	72.4	57.9	86.9



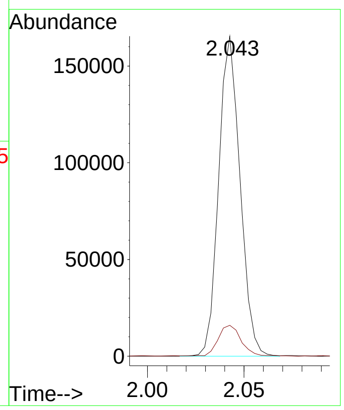


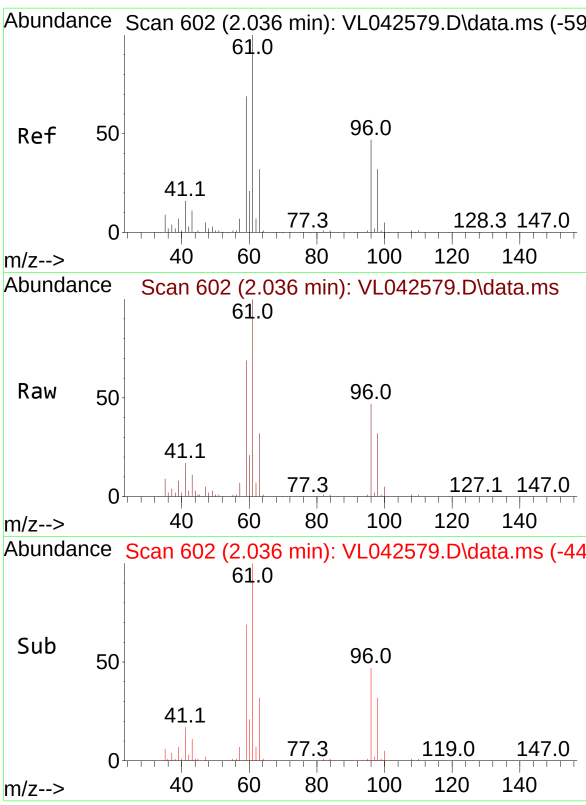
#17
tert-Butyl alcohol
Concen: 9.858 ppbv
RT: 2.043 min   Scan# 60
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 127162

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

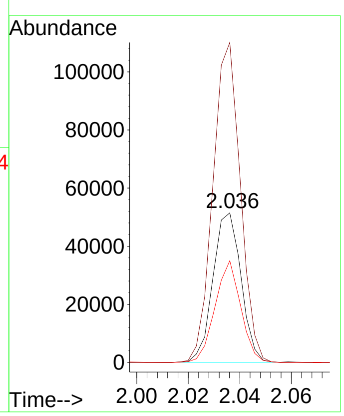


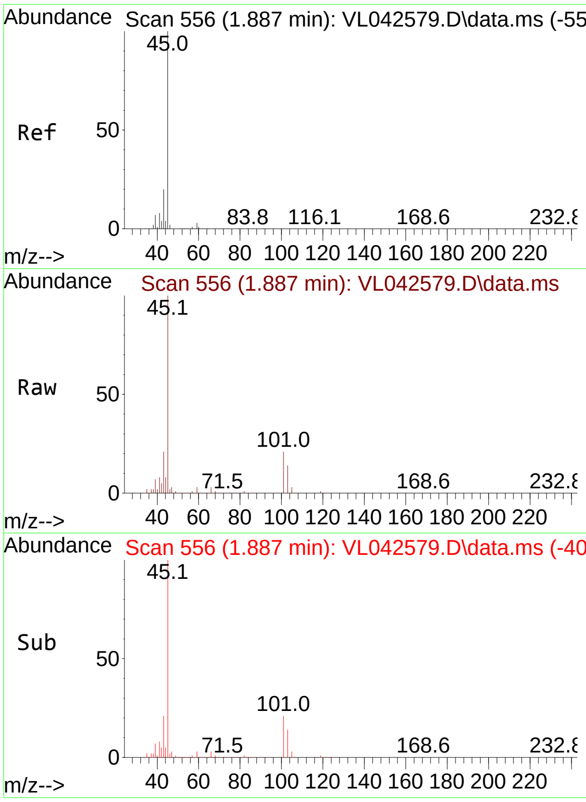


#18
1,1-Dichloroethene
Concen: 9.026 ppbv
RT: 2.036 min   Scan# 602
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 96 Resp: 38765

Ion	Ratio	Lower	Upper
96	100		
61	214.2	171.1	256.7
98	68.1	54.4	81.6



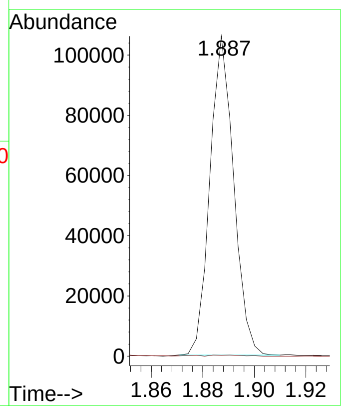


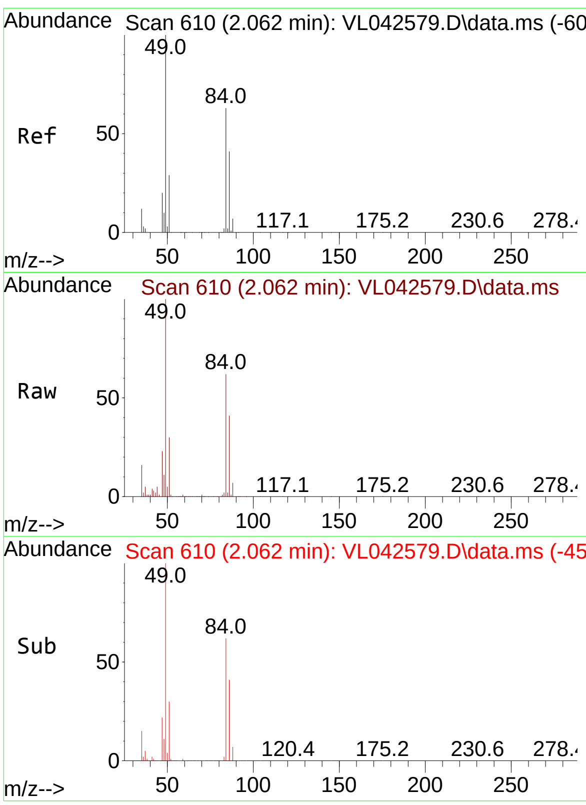
#19
Isopropyl Alcohol
Concen: 9.151 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 67731

Ion	Ratio	Lower	Upper
45	100		
58	36.8	29.4	44.2

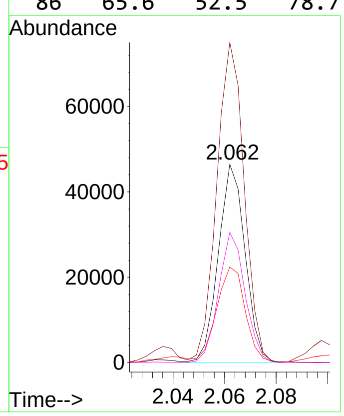


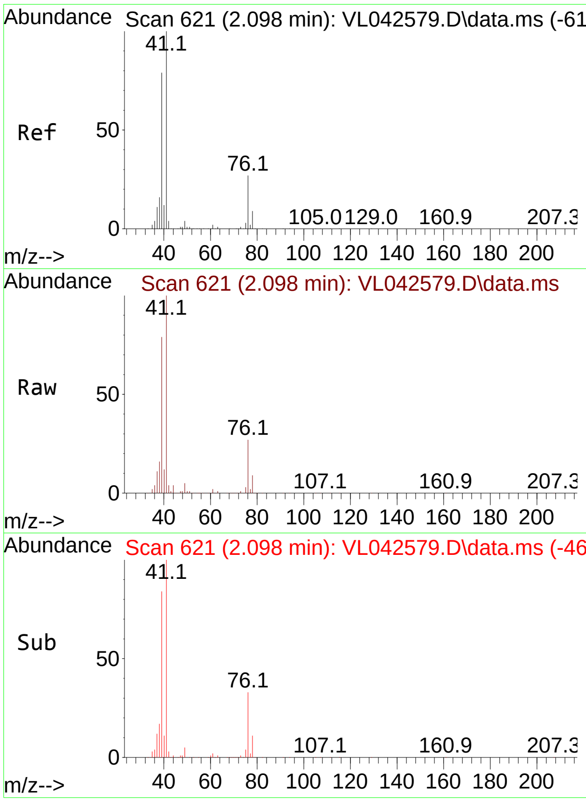


#20
Methylene Chloride
Concen: 8.209 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 84 Resp: 33544

Ion	Ratio	Lower	Upper
84	100		
49	161.0	128.8	193.2
51	48.2	38.6	57.8
86	65.6	52.5	78.7



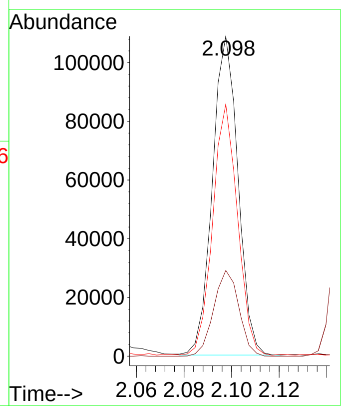


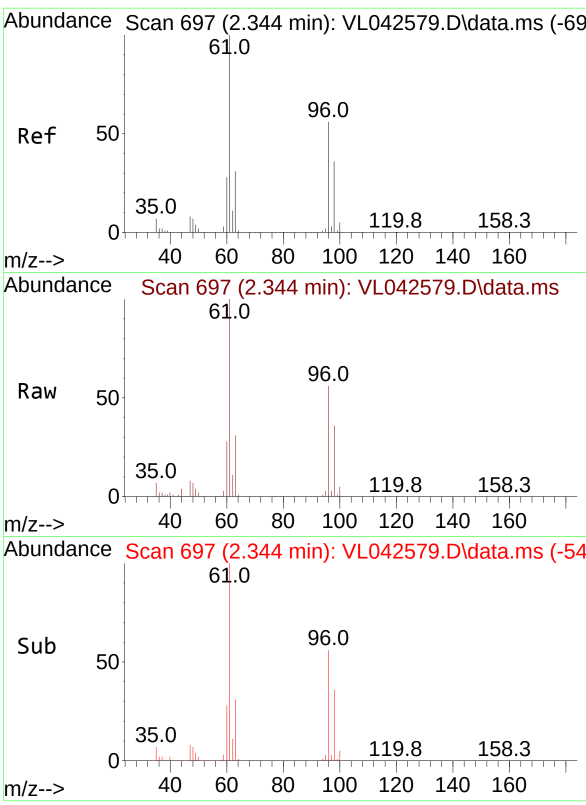
#21
Allyl Chloride
Concen: 9.289 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 81153

Ion	Ratio	Lower	Upper
41	100		
76	26.5	21.2	31.8
39	76.1	60.9	91.3

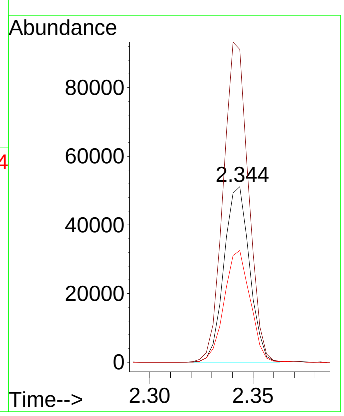


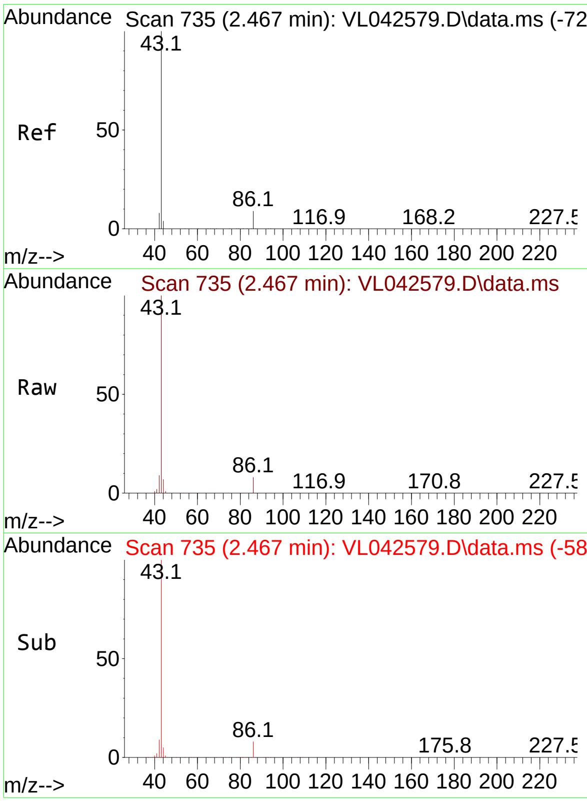


#22
trans-1,2-Dichloroethene
Concen: 9.165 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 96 Resp: 43936

Ion	Ratio	Lower	Upper
96	100		
61	178.3	142.6	214.0
98	63.7	51.0	76.4



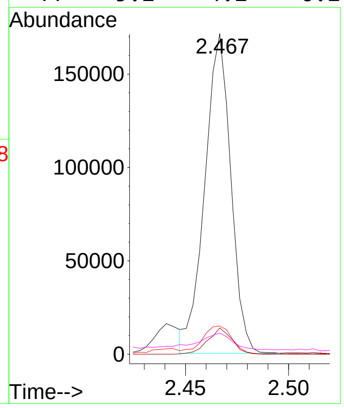


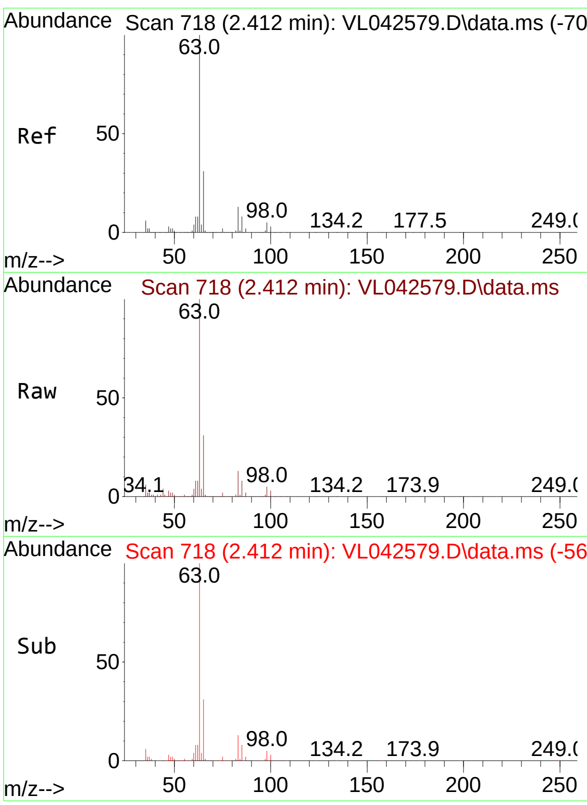
#23
Vinyl Acetate
Concen: 8.954 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 149858

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	8.7	7.0	10.4
44	5.2	4.2	6.2

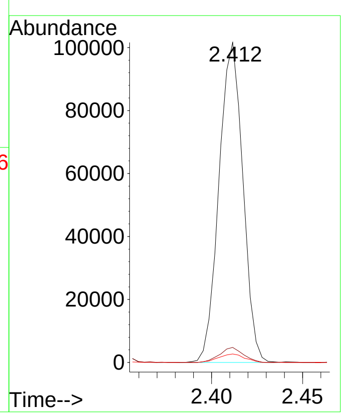


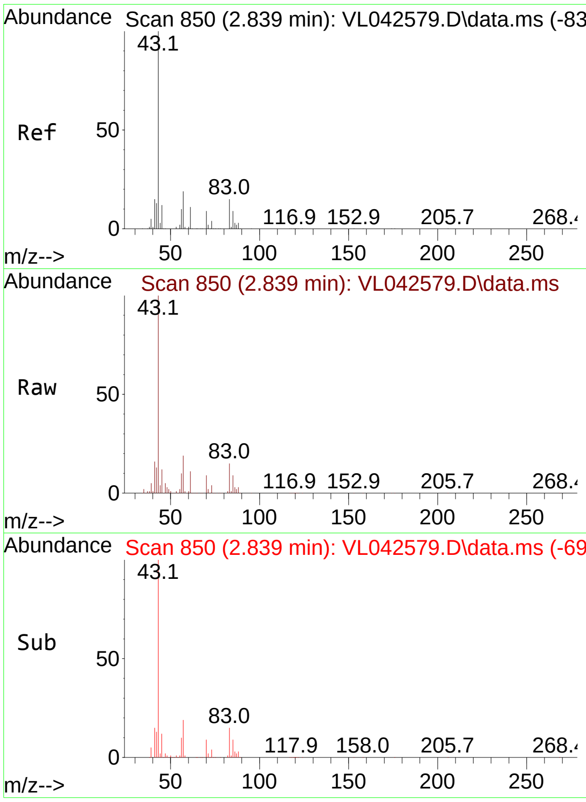


#24
1,1-Dichloroethane
Concen: 9.442 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 63 Resp: 92836

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.7	1.4	4.0





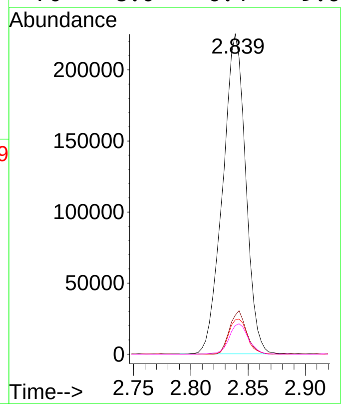
#25
Ethyl Acetate
Concen: 9.264 ppbv
RT: 2.839 min Scan# 8

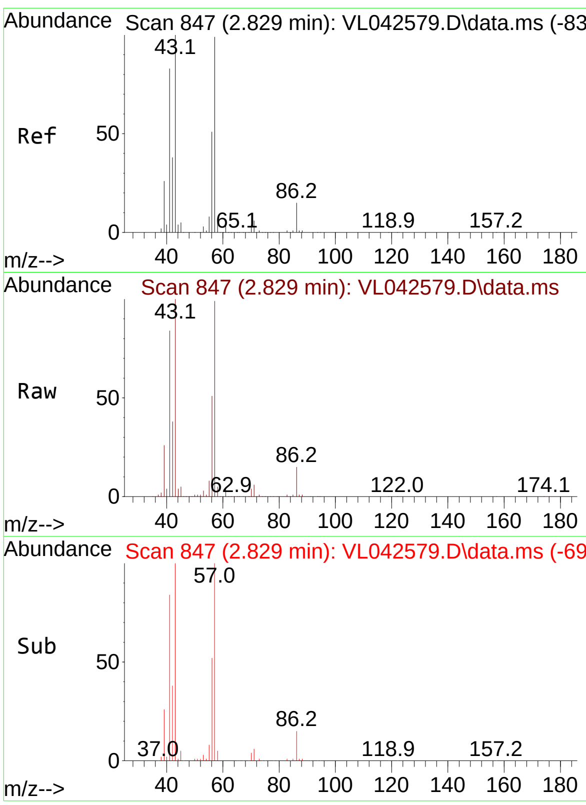
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 313915

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	8.9	7.1	10.7
70	8.0	6.4	9.6

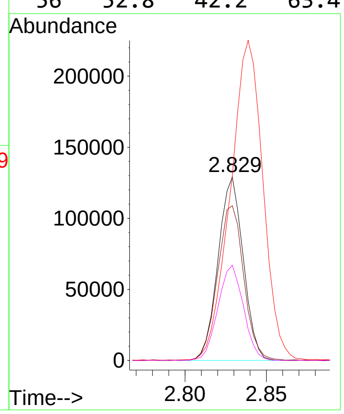




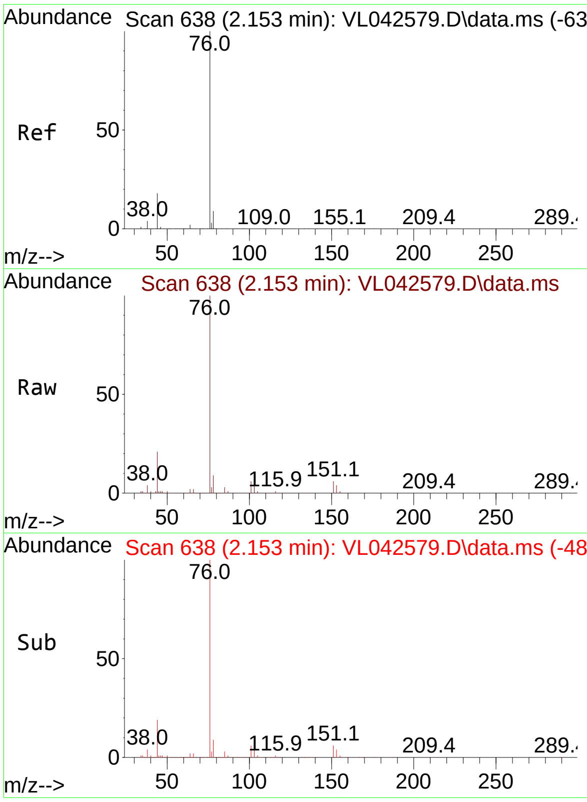
#26
Hexane
Concen: 9.013 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 57 Resp: 138771

Ion	Ratio	Lower	Upper
57	100		
41	88.3	70.6	106.0
43	226.4	181.1	271.7
56	52.8	42.2	63.4



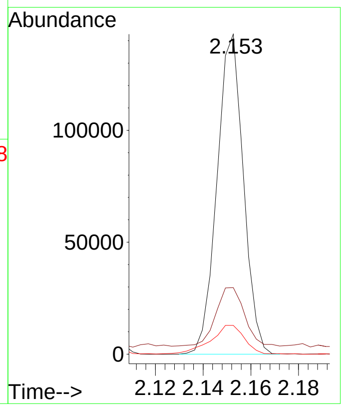
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

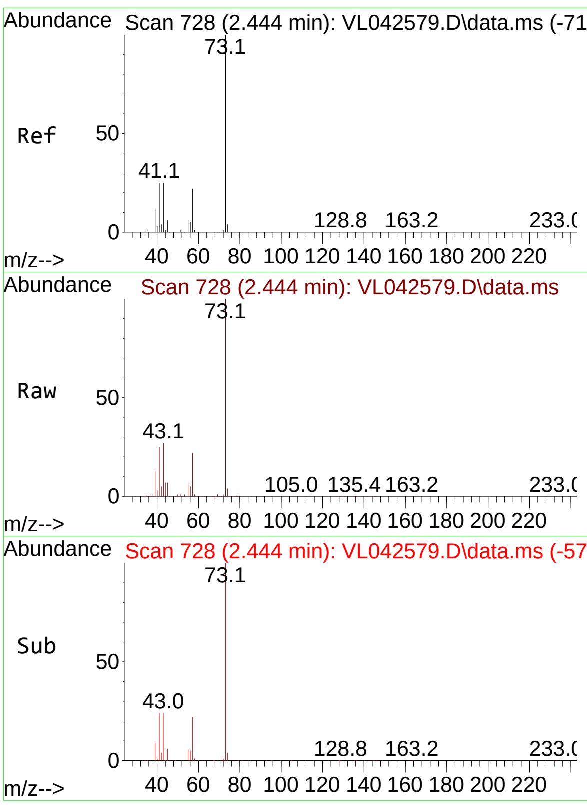


#27
Carbon Disulfide
Concen: 9.298 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 76 Resp: 109904

Ion	Ratio	Lower	Upper
76	100		
44	26.6	21.3	31.9
78	11.7	9.4	14.0

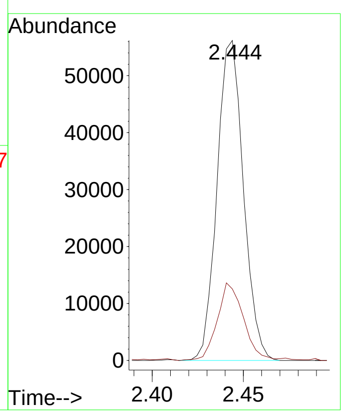


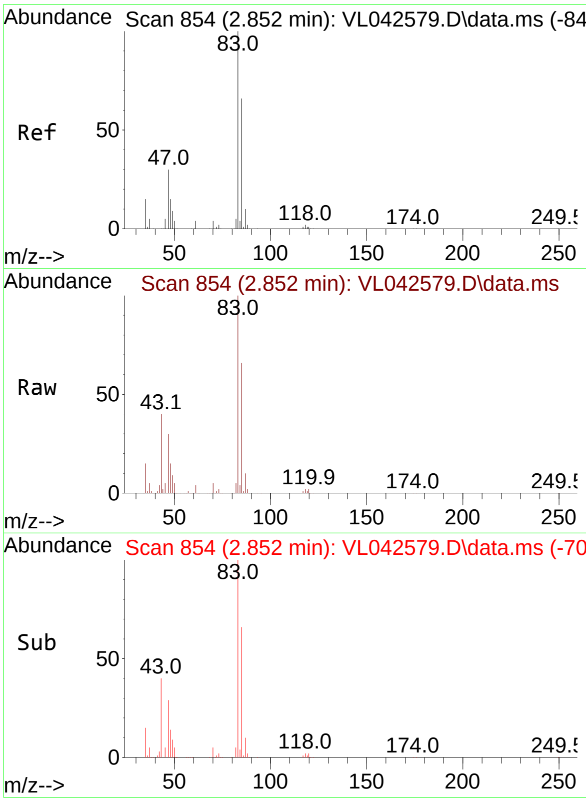


#28
Methyl tert-Butyl Ether
Concen: 9.045 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 73 Resp: 56510

Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.9	29.9



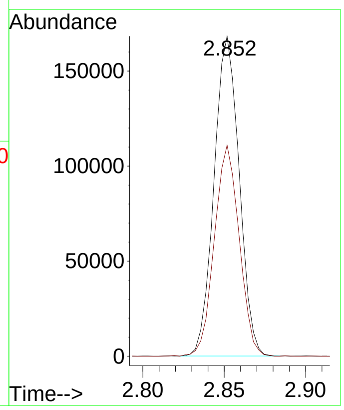


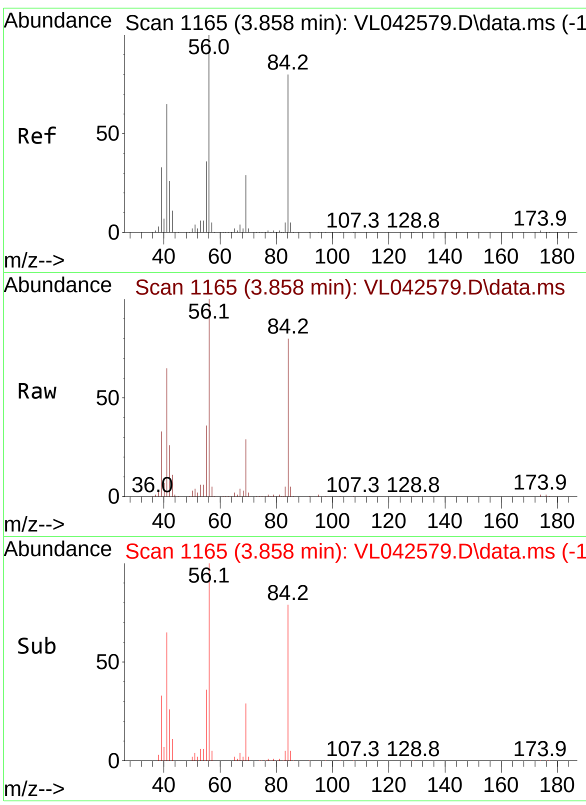
#29
Chloroform
Concen: 9.013 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 180449

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2

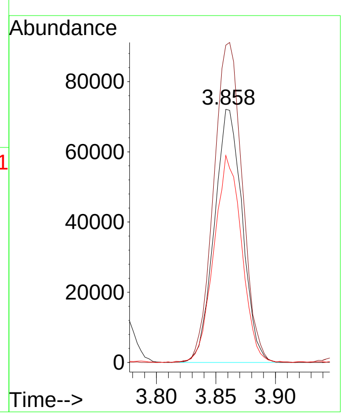


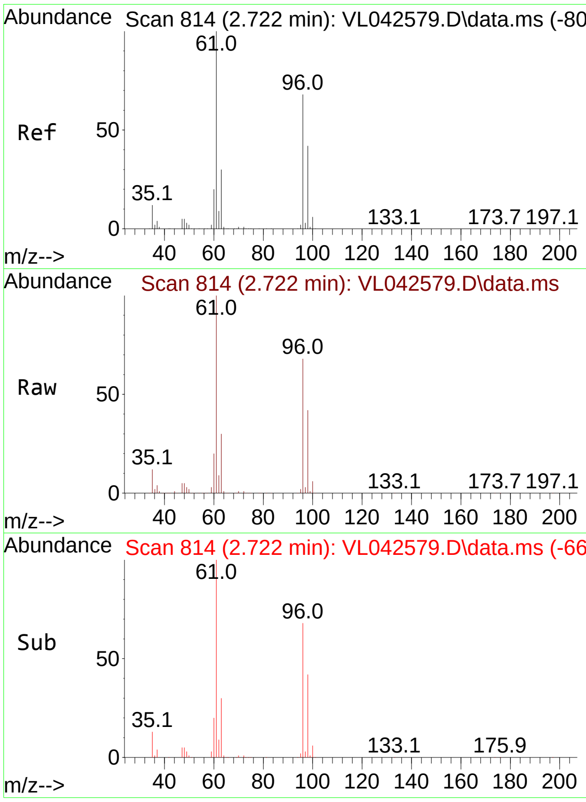


#30
Cyclohexane
Concen: 9.232 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 84 Resp: 117833

Ion	Ratio	Lower	Upper
84	100		
56	129.7	103.7	155.5
41	81.2	65.1	97.7



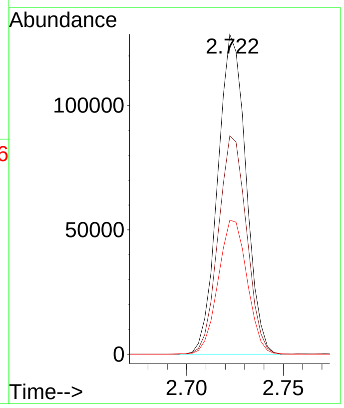


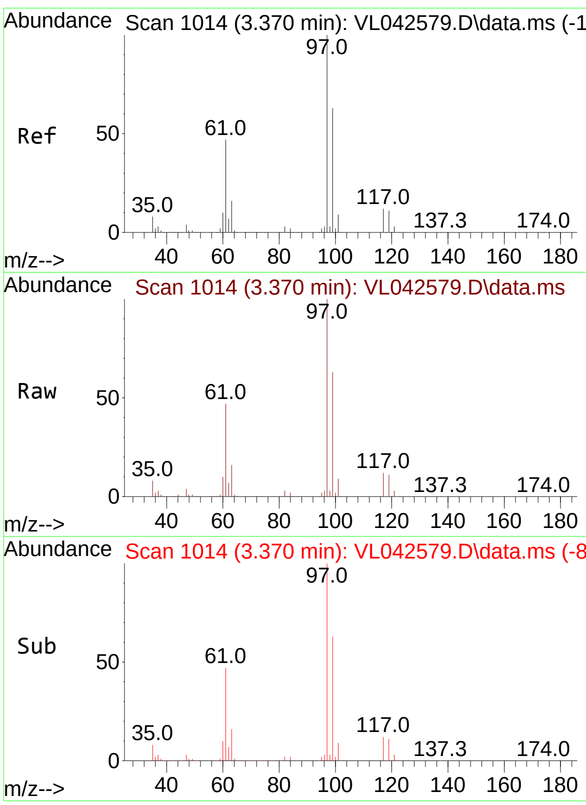
#31
cis-1,2-Dichloroethene
Concen: 9.274 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 130618

Ion	Ratio	Lower	Upper
61	100		
96	68.1	54.5	81.7
98	41.8	33.4	50.2

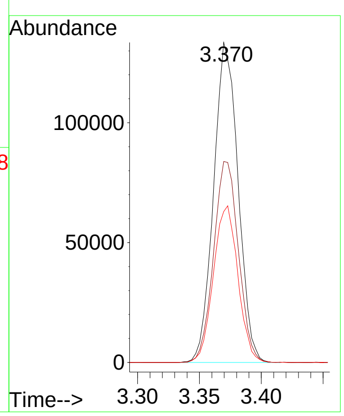


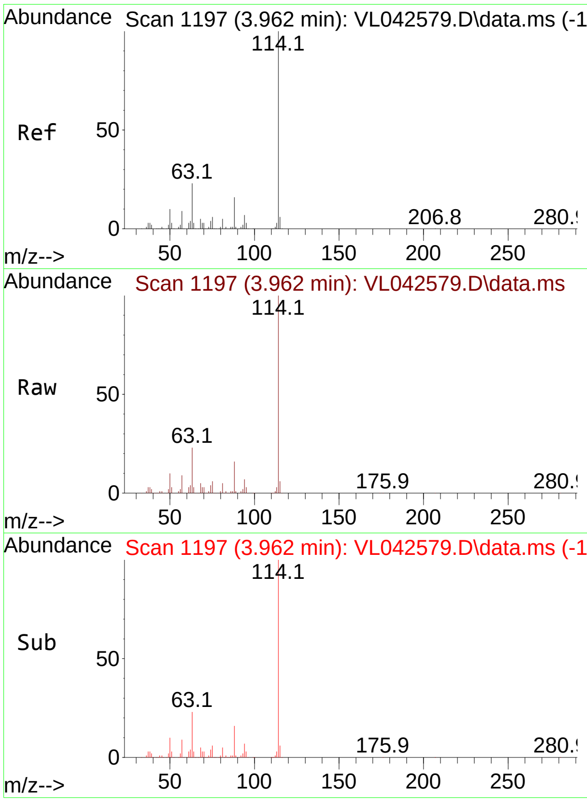


#32
1,1,1-Trichloroethane
Concen: 9.177 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 97 Resp: 184372

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	49.2	39.4	59.0





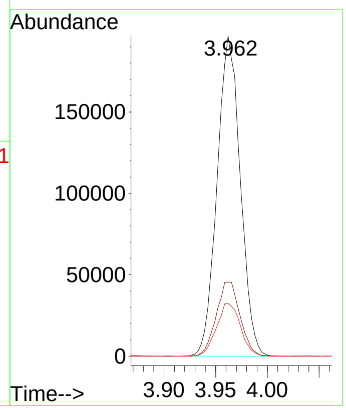
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1

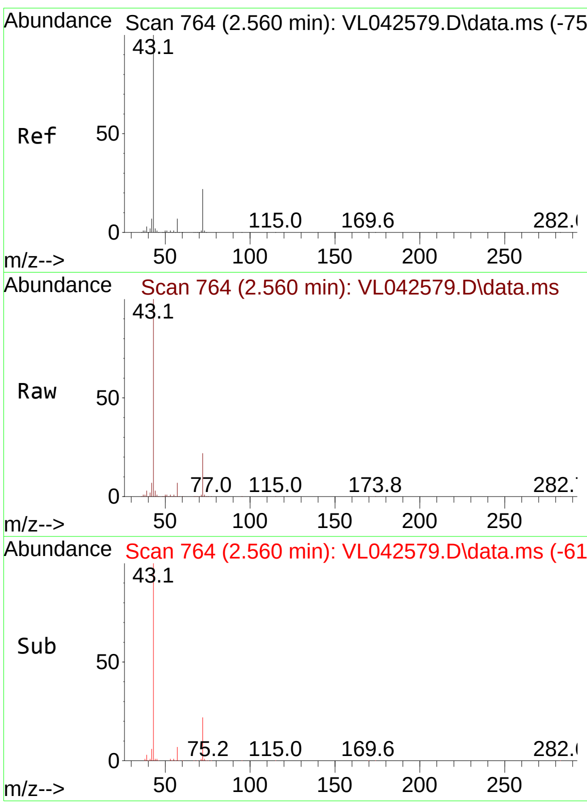
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:114 Resp: 307854

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.6
88	17.0	13.6	20.4

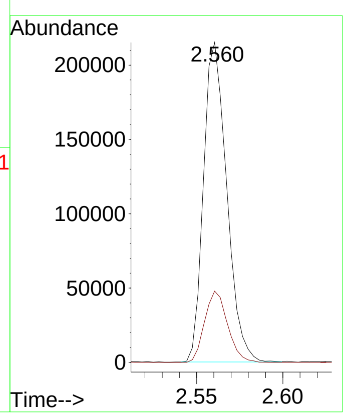


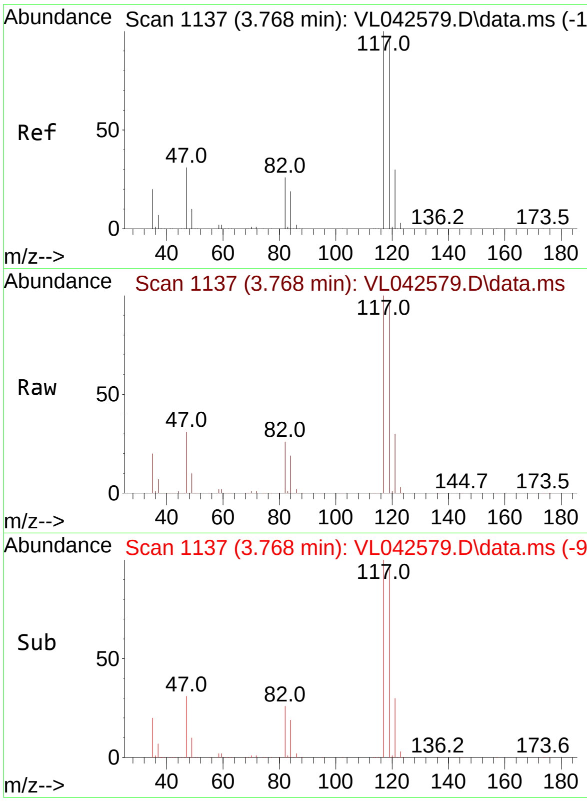


#34
2-Butanone
Concen: 9.192 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 201796

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5



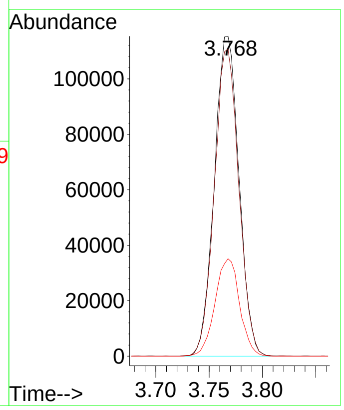


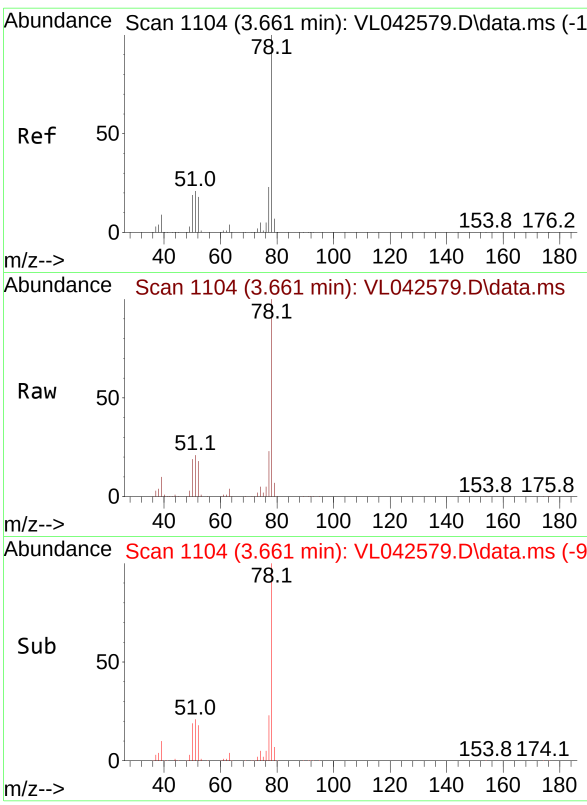
#35
Carbon Tetrachloride
Concen: 9.132 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 185629

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.4	24.3	36.5

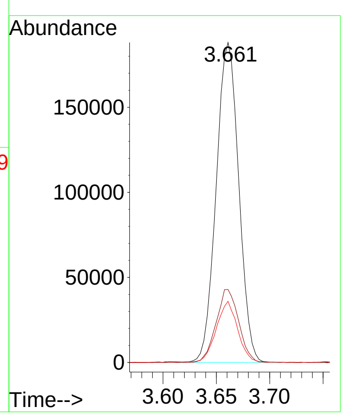


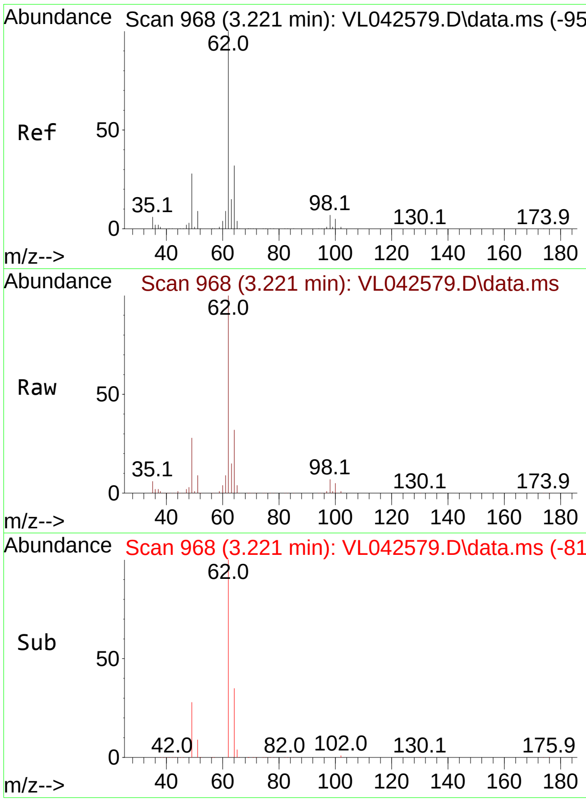


#36
Benzene
Concen: 9.142 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 78 Resp: 277132

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	19.0	15.2	22.8





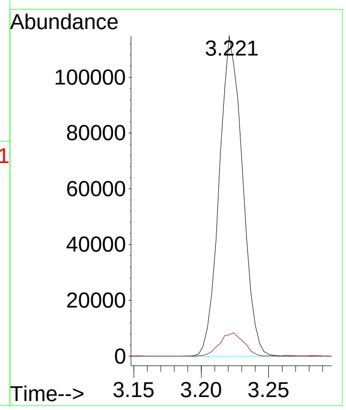
#37
1,2-Dichloroethane
Concen: 9.153 ppbv
RT: 3.221 min Scan# 9

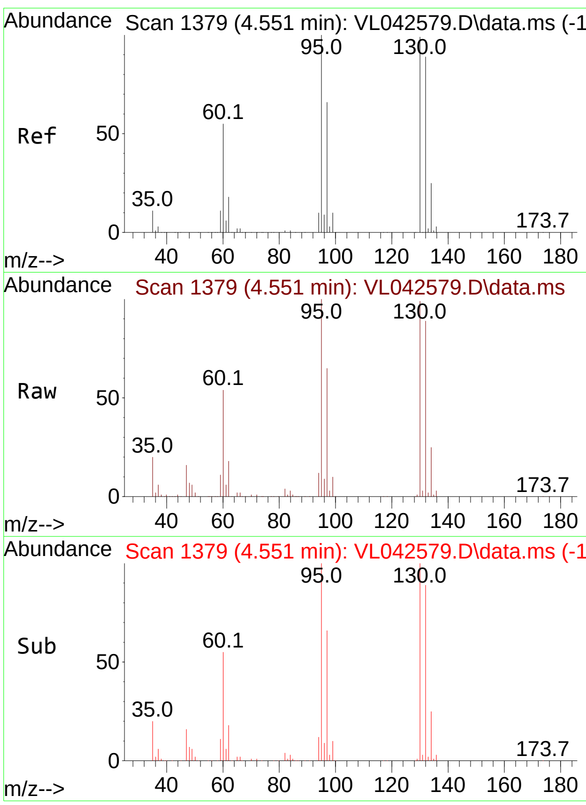
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 62 Resp: 137914

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1

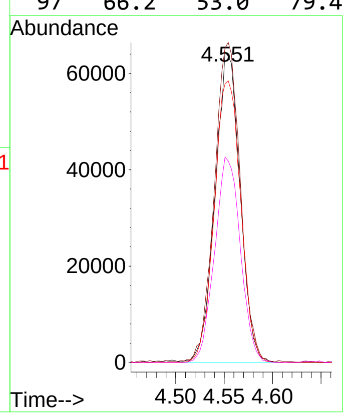


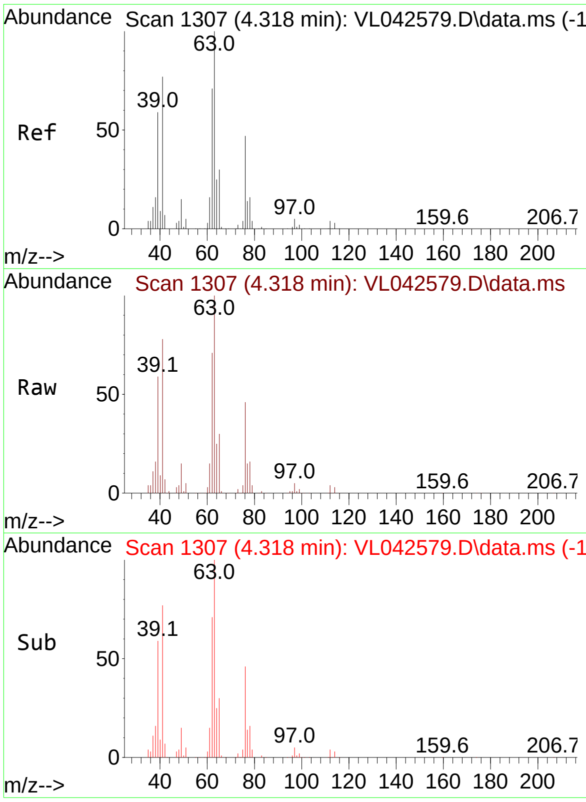


#38
Trichloroethene
Concen: 8.916 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:130 Resp: 115772

Ion	Ratio	Lower	Upper
130	100		
95	100.8	80.6	121.0
132	89.7	71.8	107.6
97	66.2	53.0	79.4



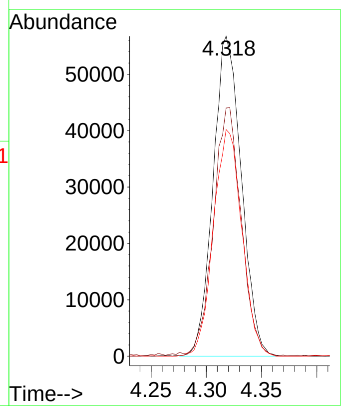


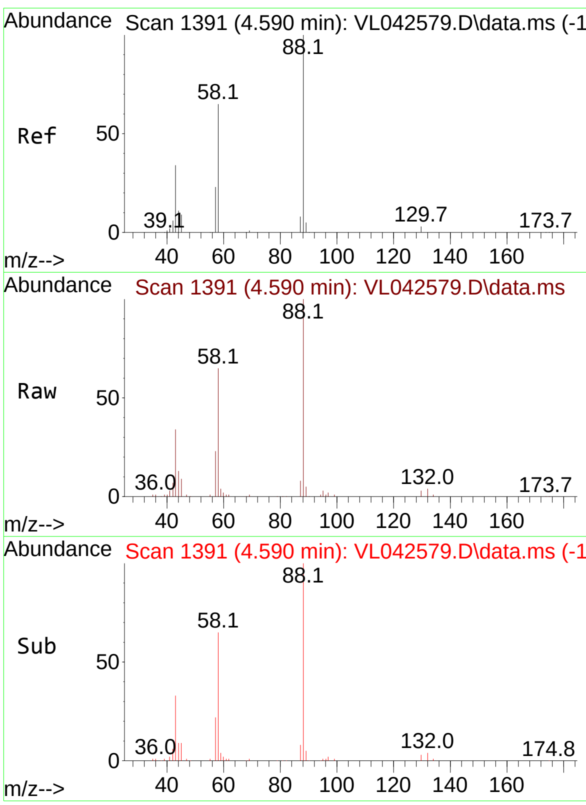
#39
1,2-Dichloropropane
Concen: 9.029 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 101185

Ion	Ratio	Lower	Upper
63	100		
41	77.2	61.8	92.6
62	70.8	56.6	85.0

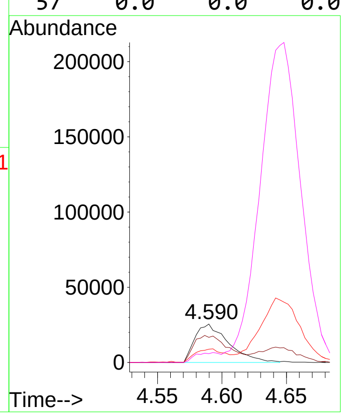


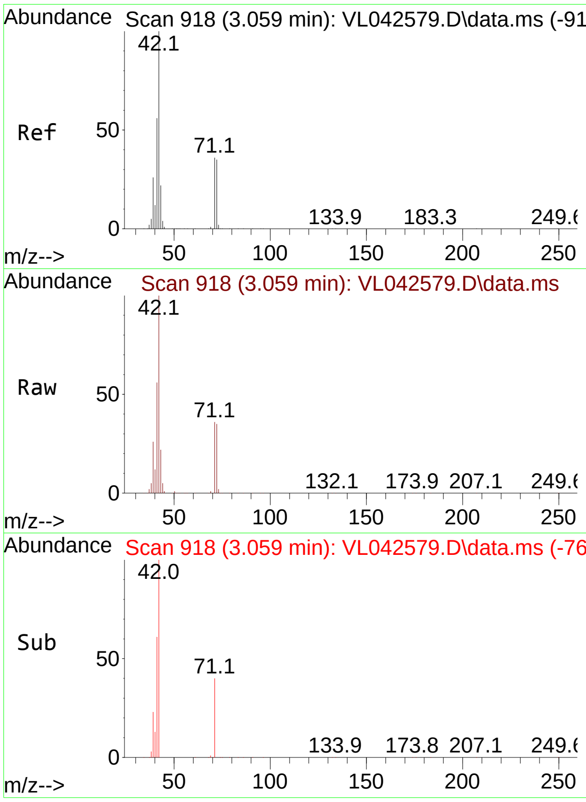


#40
1,4-Dioxane
Concen: 9.797 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 88 Resp: 46671

Ion	Ratio	Lower	Upper
88	100		
58	69.8	55.8	83.8
43	31.0	24.8	37.2
57	0.0	0.0	0.0



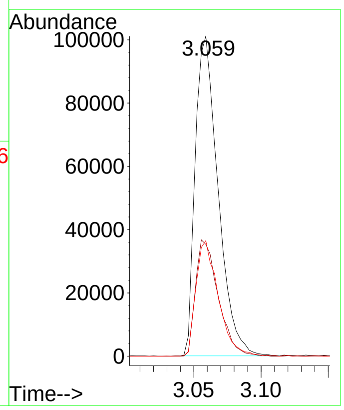


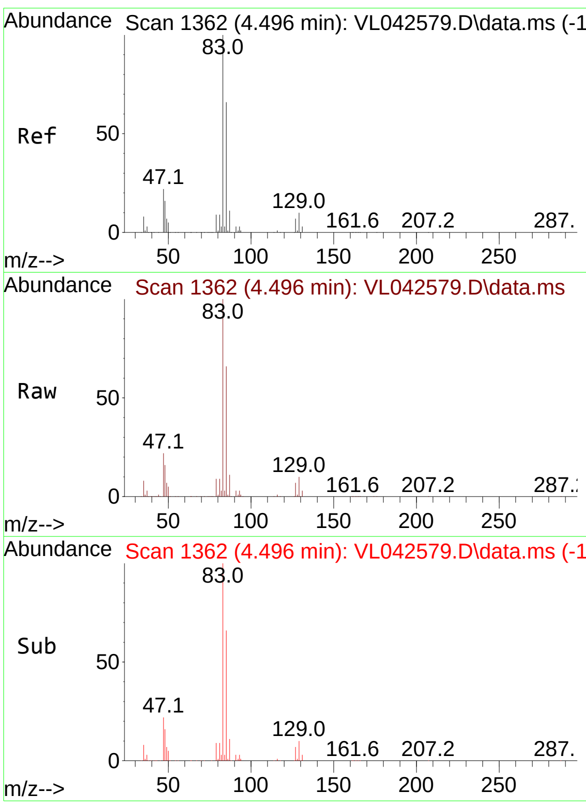
#41
Tetrahydrofuran
Concen: 9.301 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 119530

Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.9	43.3
71	35.5	28.5	42.7

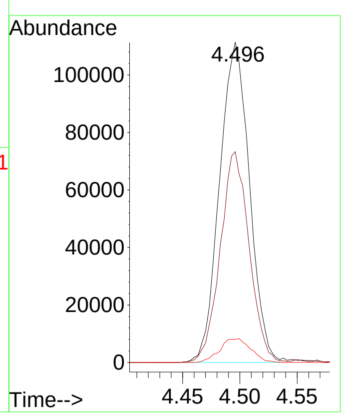


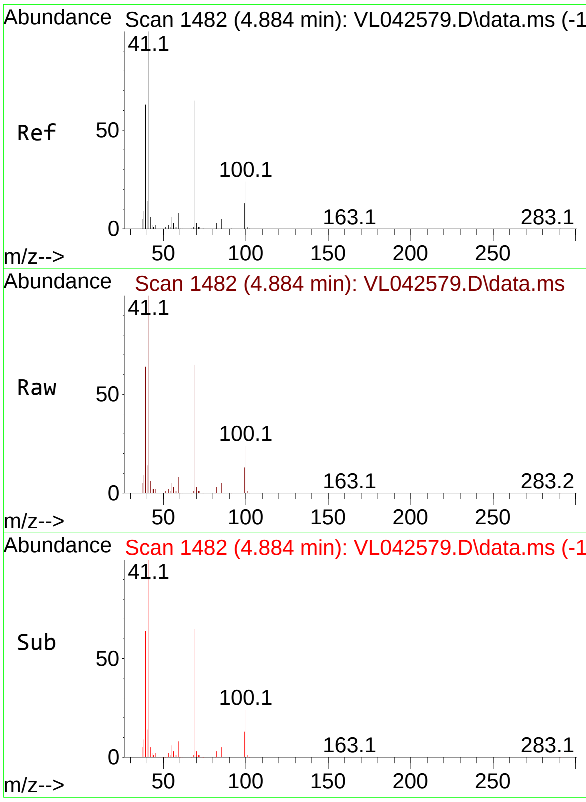


#42
Bromodichloromethane
Concen: 9.441 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 83 Resp: 202026

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1
127	7.2	5.8	8.6



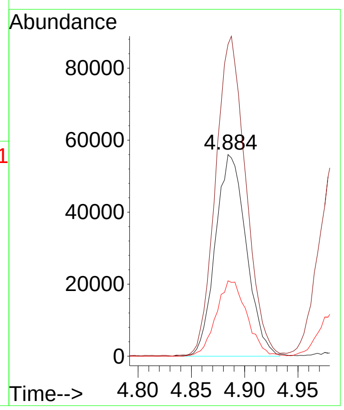


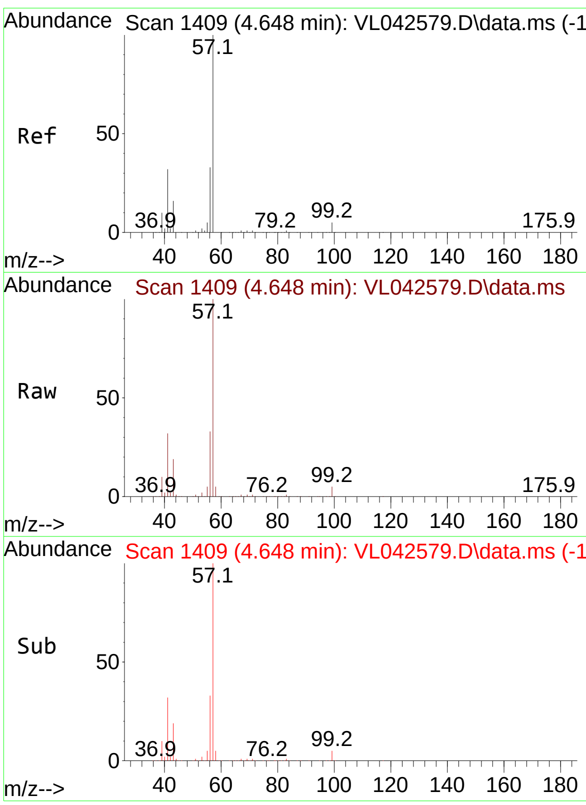
#43
Methyl Methacrylate
Concen: 9.595 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 112746

Ion	Ratio	Lower	Upper
69	100		
41	155.4	124.6	187.0
100	37.3	29.9	44.9

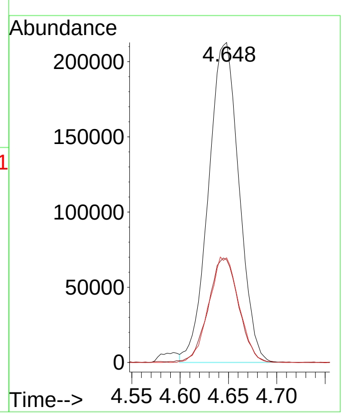


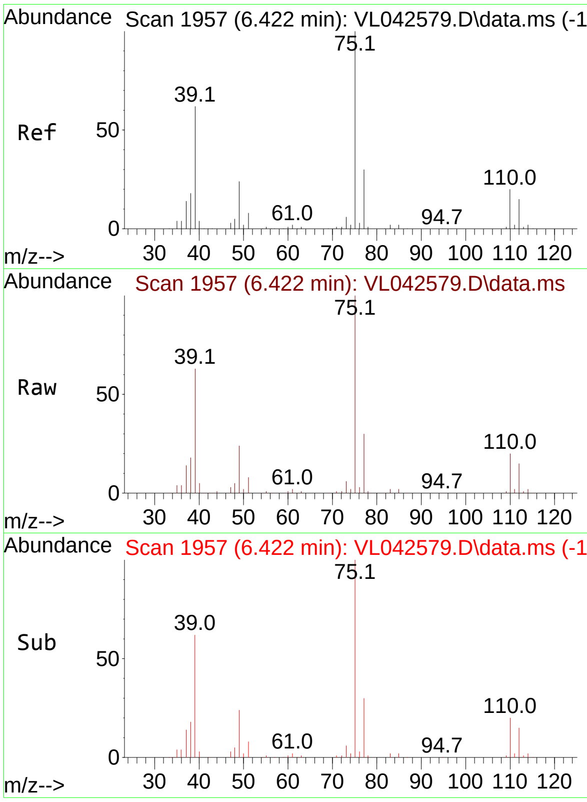


#44
2,2,4-Trimethylpentane
Concen: 9.043 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 57 Resp: 468572

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.1	39.1
56	32.4	25.9	38.9



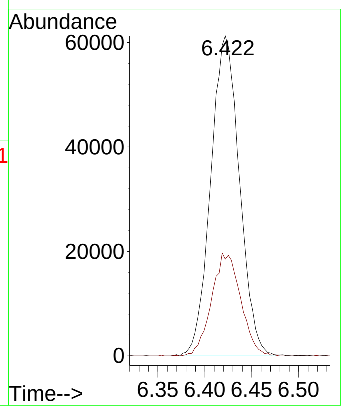


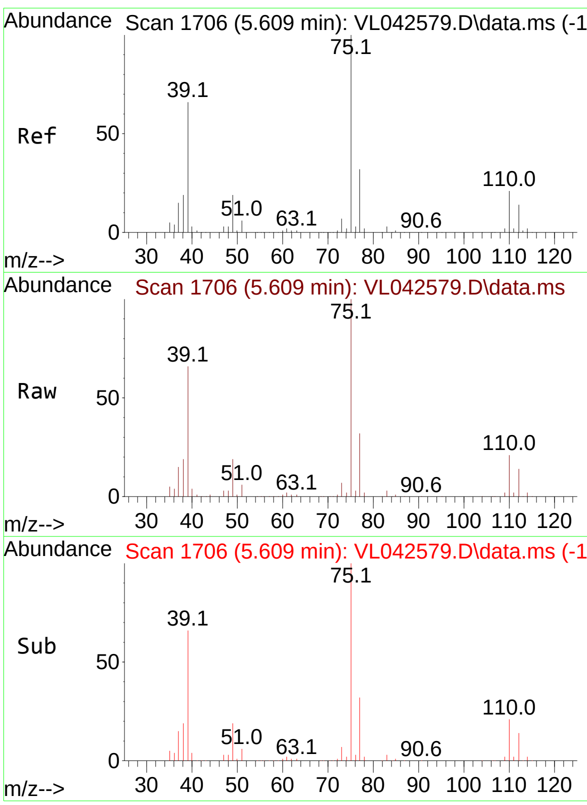
#45
t-1,3-Dichloropropene
Concen: 9.700 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 130611

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.2	36.2

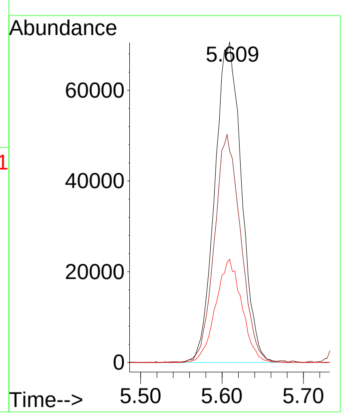




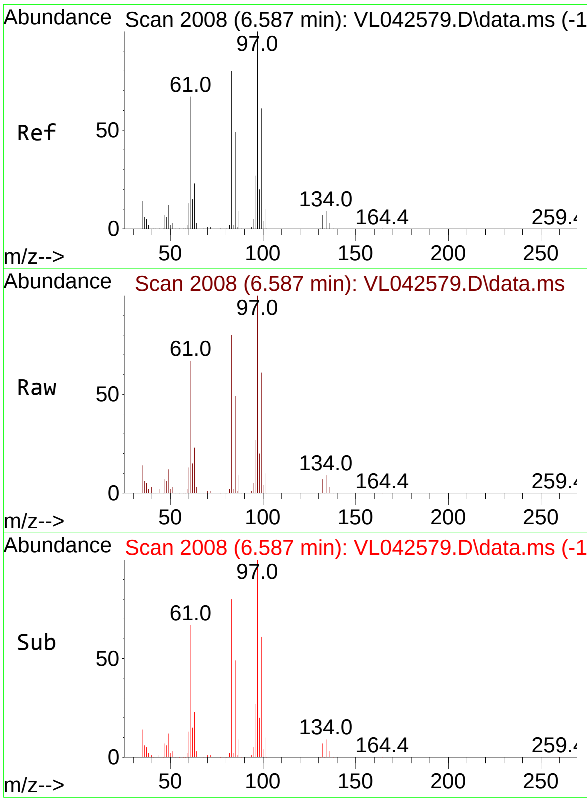
#46
cis-1,3-Dichloropropene
Concen: 9.614 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 75 Resp: 162155

Ion	Ratio	Lower	Upper
75	100		
39	65.9	52.7	79.1
77	32.3	25.8	38.8



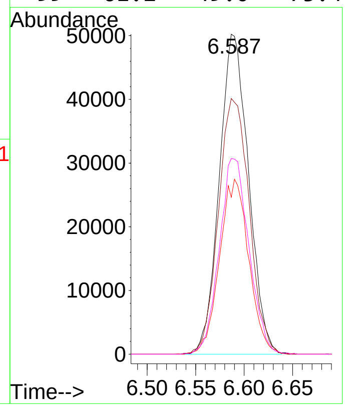
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

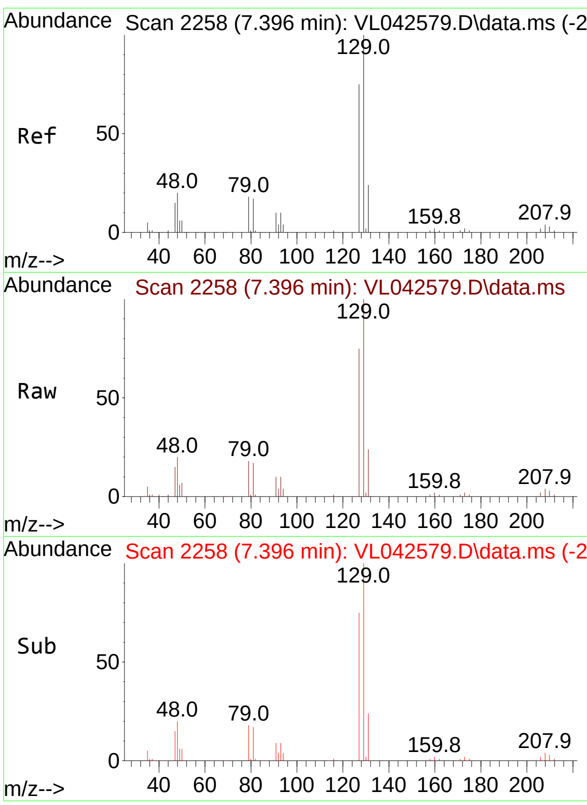


#47
1,1,2-Trichloroethane
Concen: 9.097 ppbv
RT: 6.587 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 97 Resp: 105576

Ion	Ratio	Lower	Upper
97	100		
83	79.9	63.9	95.9
85	49.0	39.2	58.8
99	61.2	49.0	73.4

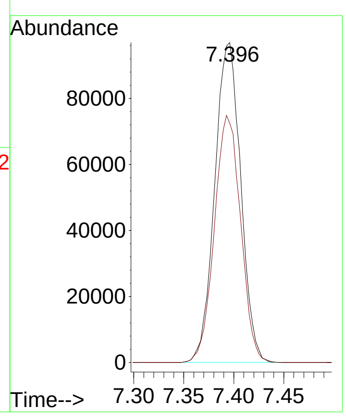




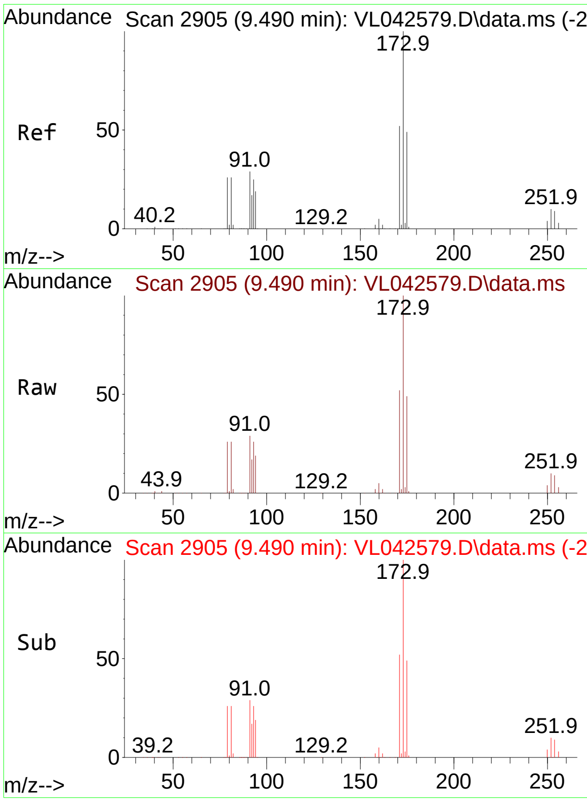
#48
Dibromochloromethane
Concen: 9.450 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:129 Resp: 175572

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	116.9



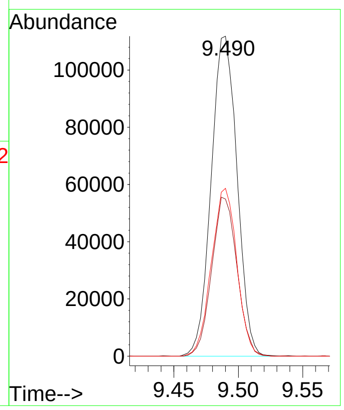
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

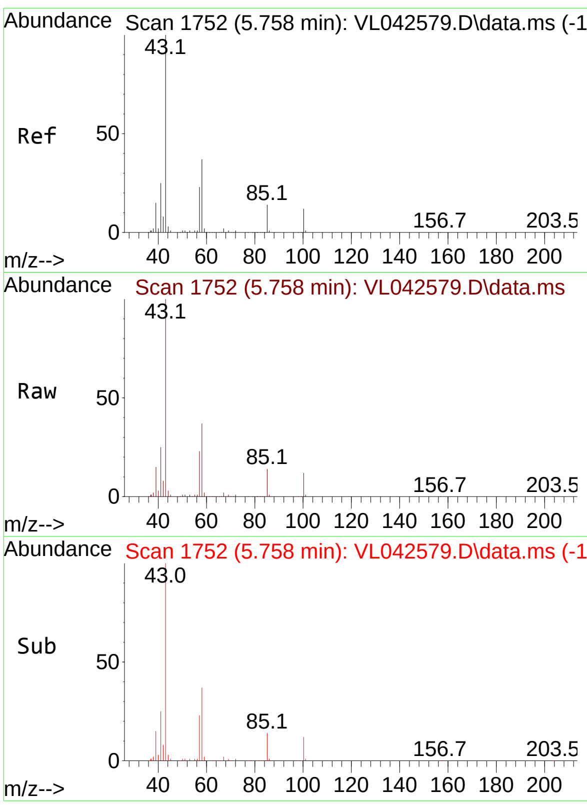


#49
Bromoform
Concen: 9.751 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:173 Resp: 156317

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
171	51.5	41.2	61.8

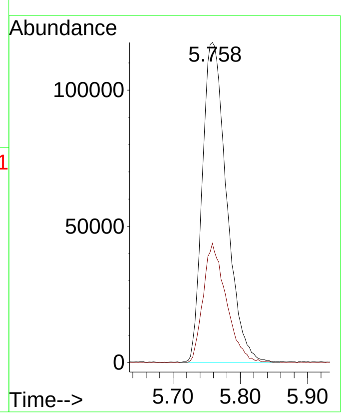


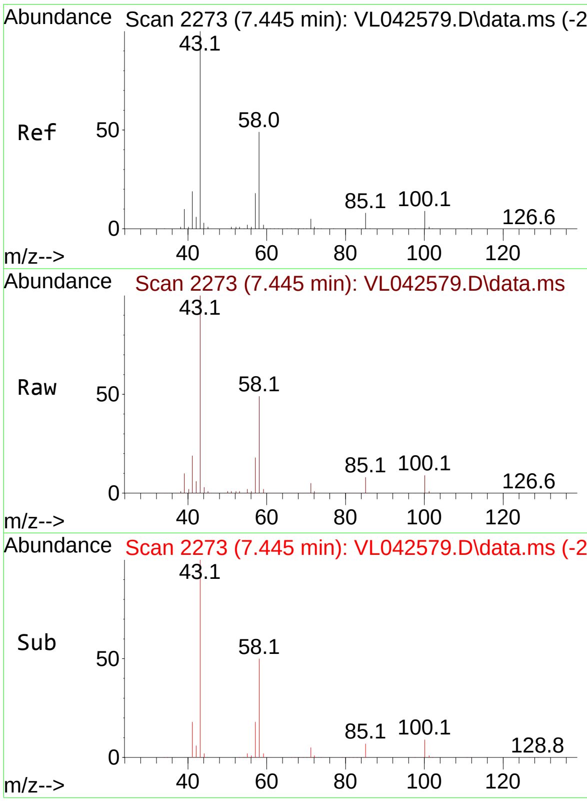


#50
4-Methyl-2-Pentanone
Concen: 9.643 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 43 Resp: 294836

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.3	42.5



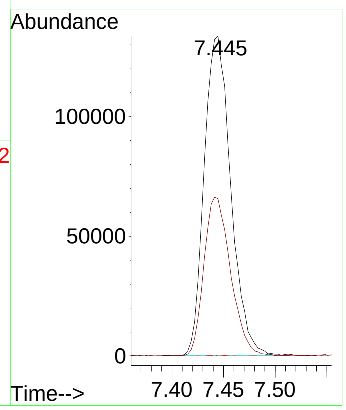


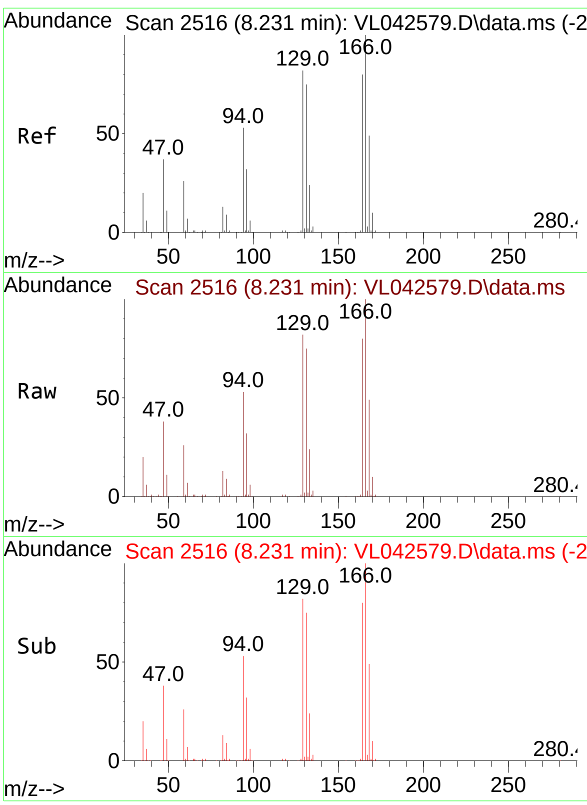
#51
2-Hexanone
Concen: 9.930 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 239826

Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.9	59.9
98	0.1	0.1	0.1

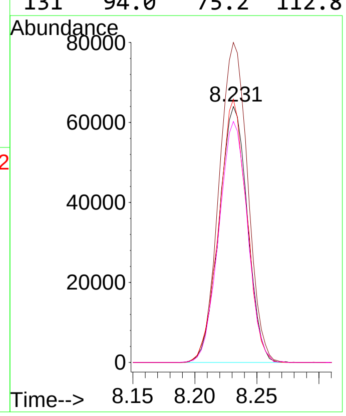


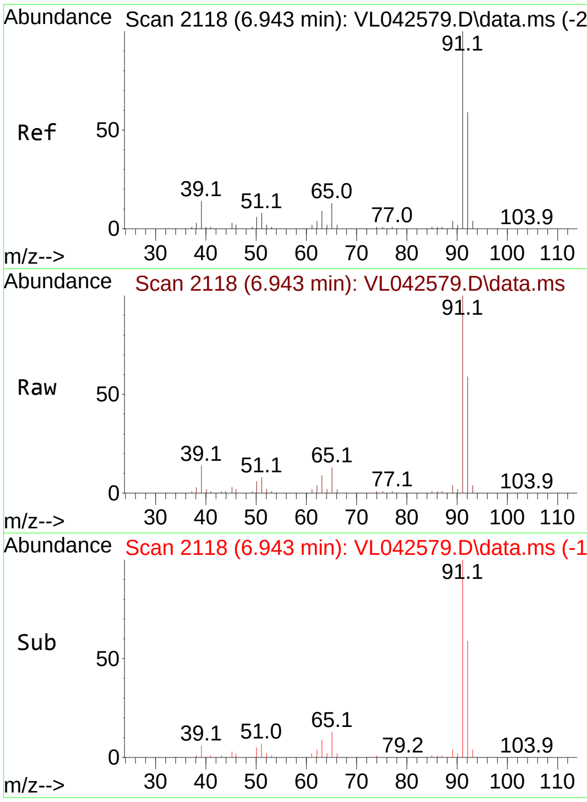


#52
Tetrachloroethene
Concen: 9.038 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:164 Resp: 102403

Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.0	150.0
129	102.8	82.2	123.4
131	94.0	75.2	112.8



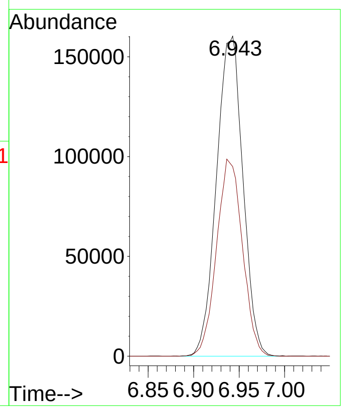


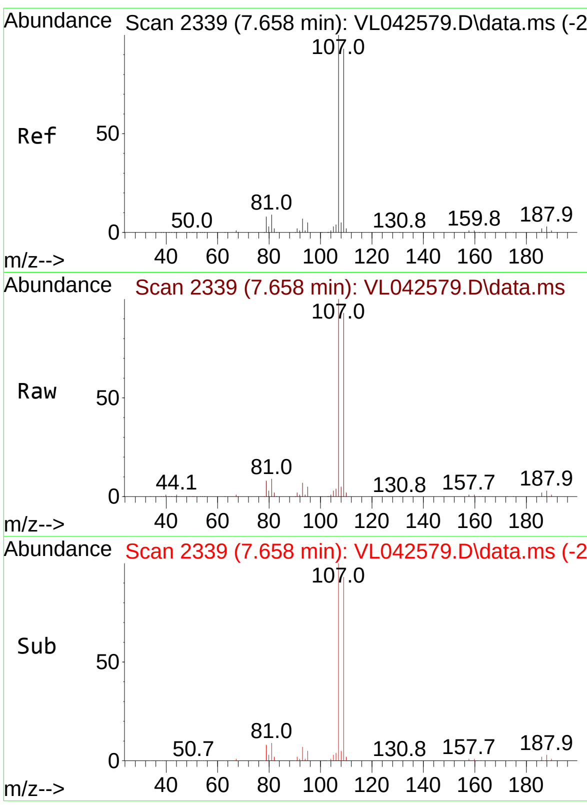
#53
Toluene
Concen: 9.264 ppbv
RT: 6.943 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 324605

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.2	72.4

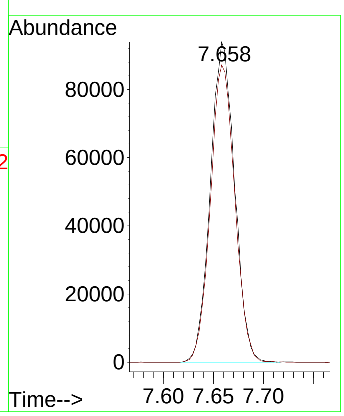


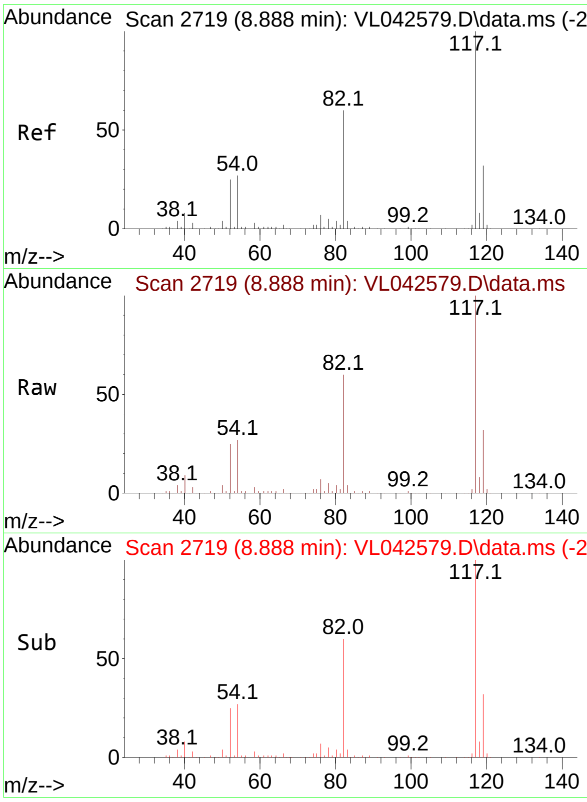


#54
1,2-Dibromoethane
Concen: 9.231 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:107 Resp: 158813

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5



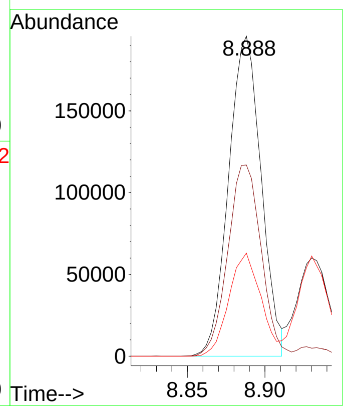


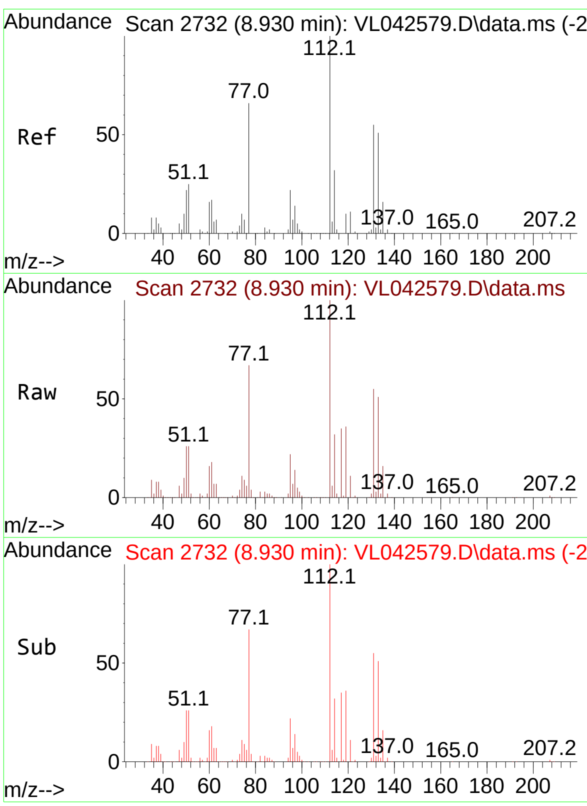
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 285844

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.2	76.8
119	32.9	26.3	39.5

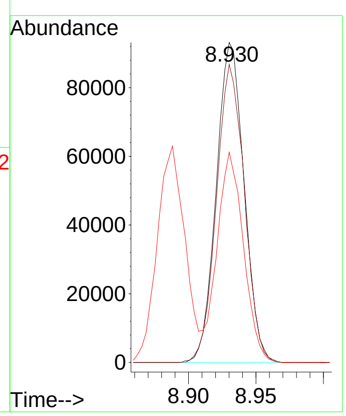


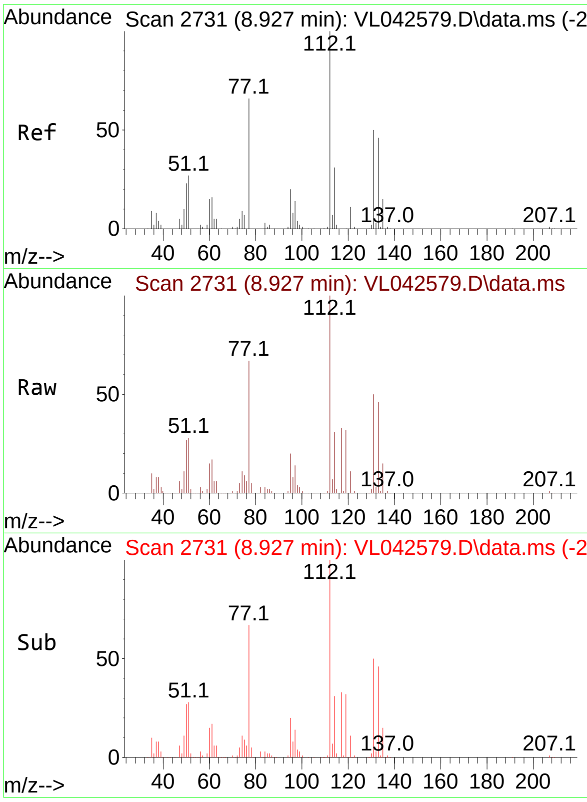


#56
1,1,1,2-Tetrachloroethane
Concen: 9.279 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:131 Resp: 133368

Ion	Ratio	Lower	Upper
131	100		
133	93.8	75.0	112.6
119	63.5	50.8	76.2





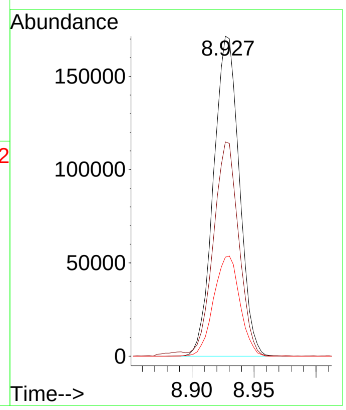
#57
Chlorobenzene
Concen: 8.938 ppbv
RT: 8.927 min Scan# 2

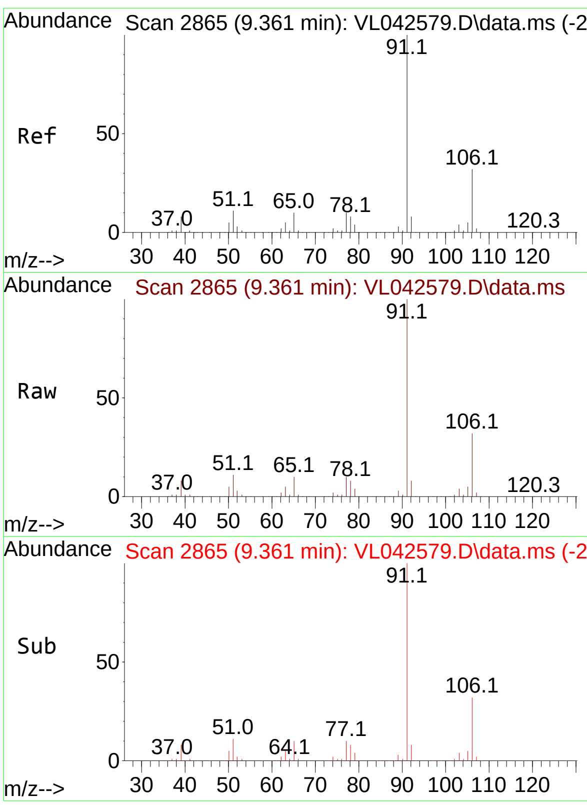
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:112 Resp: 248085

Ion	Ratio	Lower	Upper
112	100		
77	66.9	53.5	80.3
114	30.9	27.8	34.0

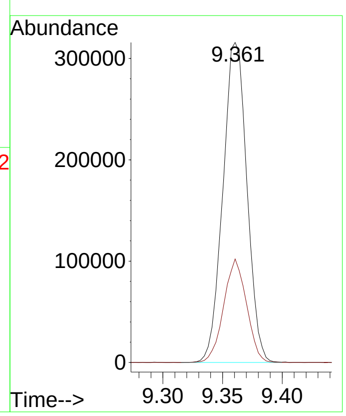


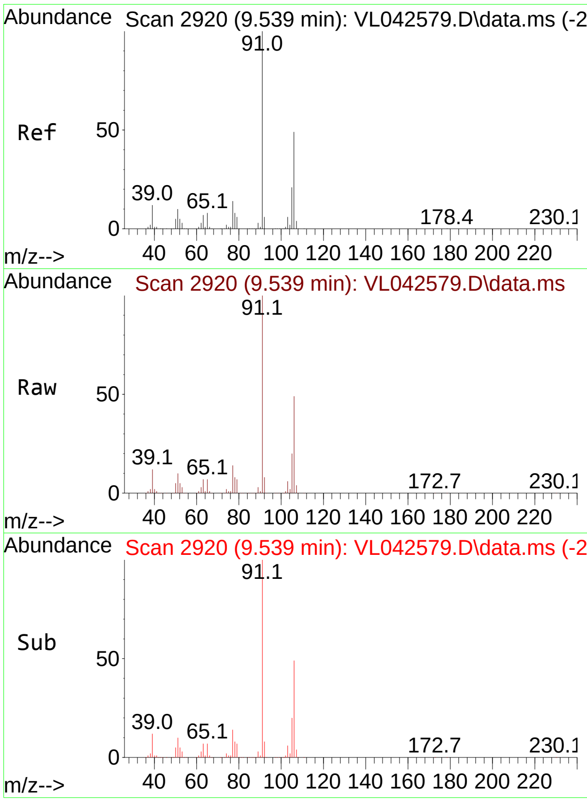


#58
Ethyl Benzene
Concen: 9.121 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 442268

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9



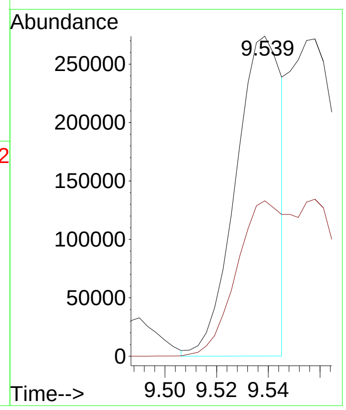


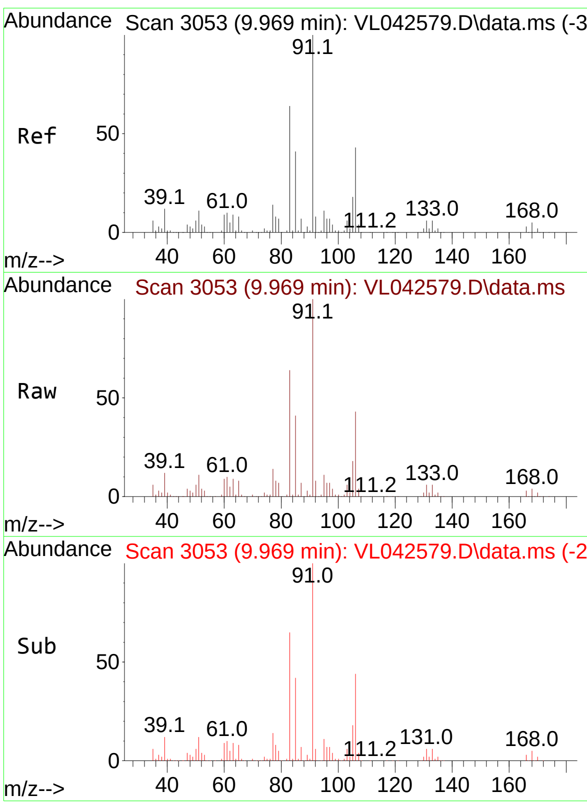
#59
m/p-Xylene
Concen: 8.784 ppbv
RT: 9.539 min   Scan# 29
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 335232

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

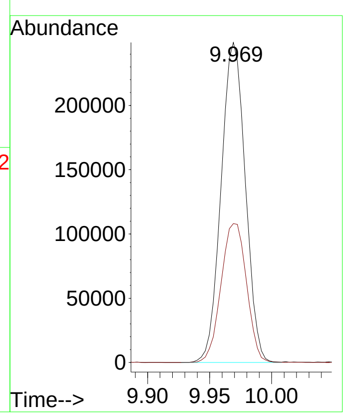


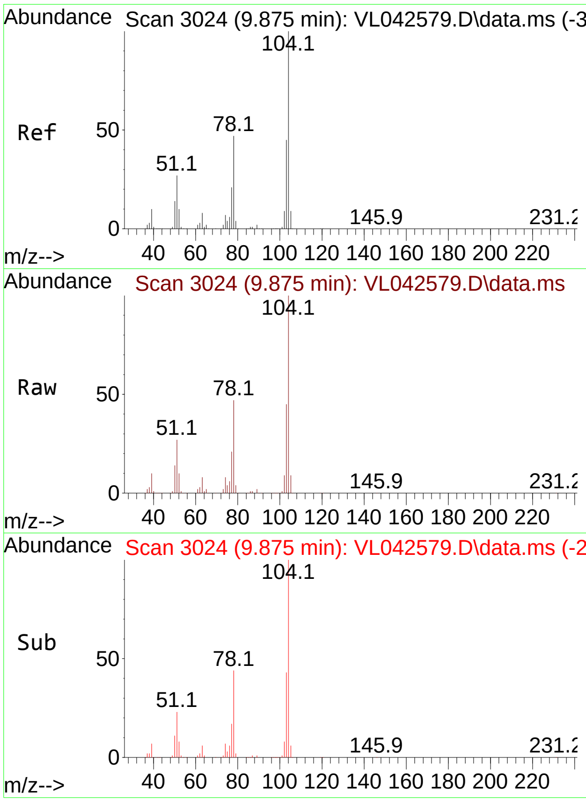


#60
o-Xylene
Concen: 8.919 ppbv
RT: 9.969 min   Scan# 3053
Delta R.T.   0.000 min
Lab File: VL042579.D
Acq: 29 May 2025   11:09

Tgt Ion: 91 Resp: 339403

Ion	Ratio	Lower	Upper
91	100		
106	45.7	22.9	68.5



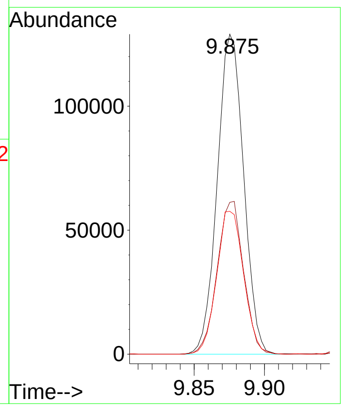


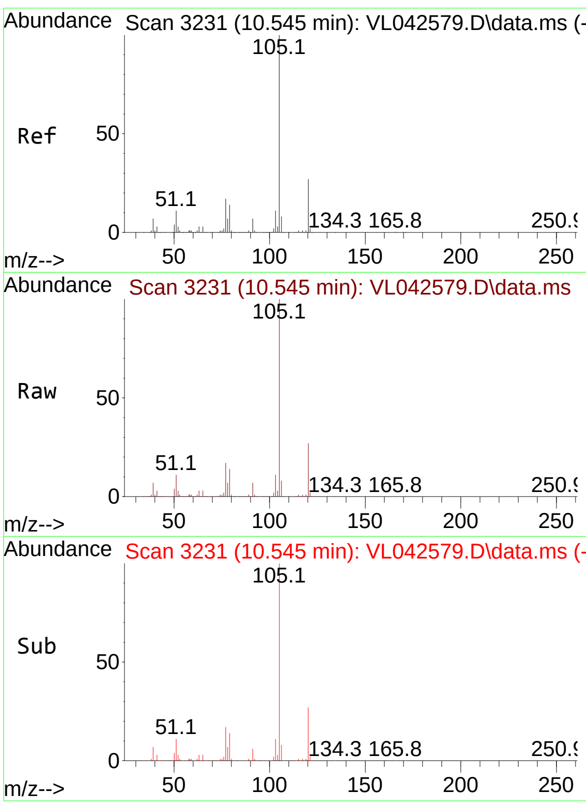
#61
Styrene
Concen: 9.374 ppbv
RT: 9.875 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 168674

Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.4
103	45.9	36.7	55.1

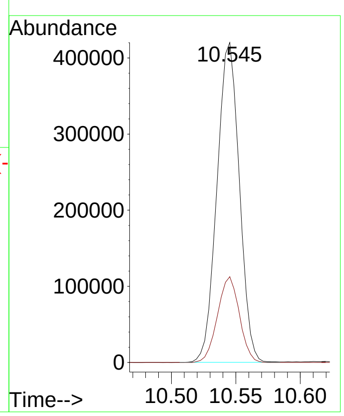


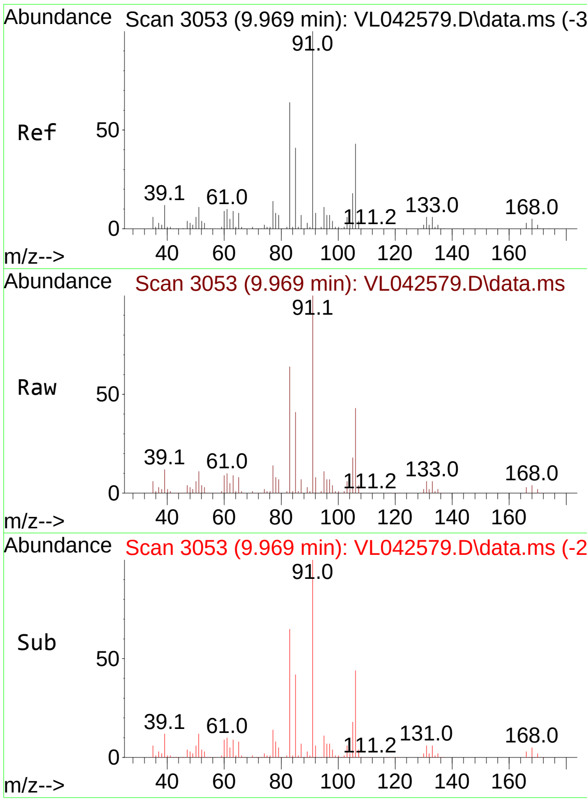


#62
Isopropylbenzene
Concen: 9.010 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:105 Resp: 506586

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.9	31.3



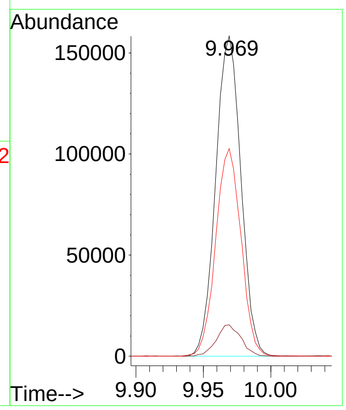


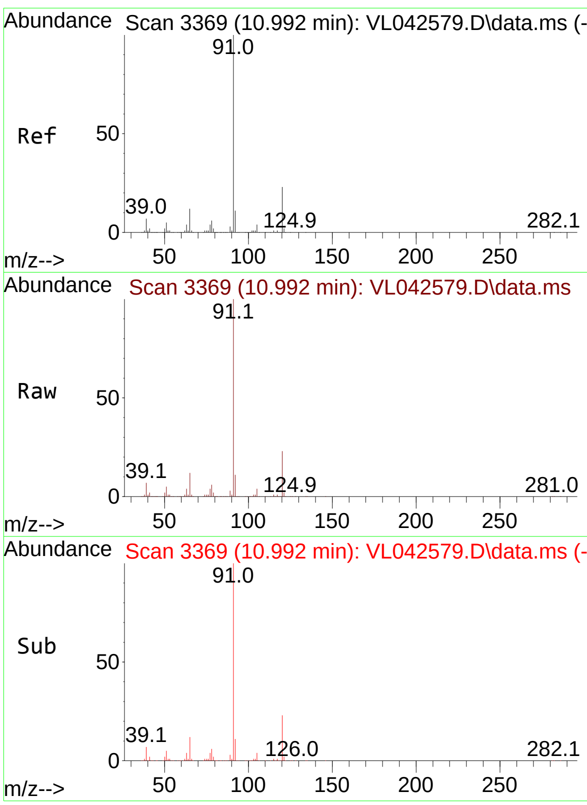
#63
1,1,2,2-Tetrachloroethane
Concen: 8.536 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 206564

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.9	32.5	97.4

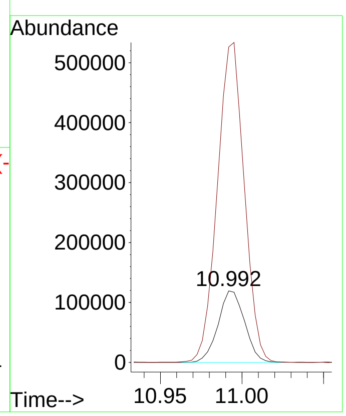


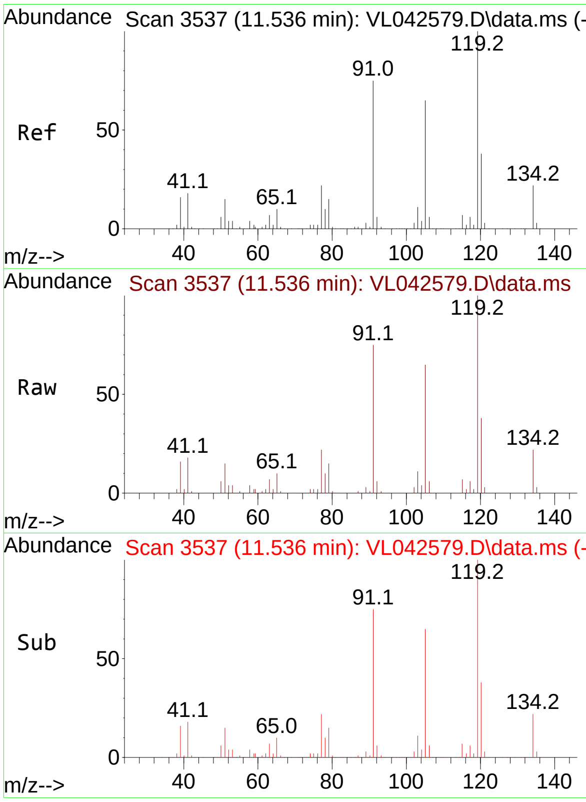


#64
n-propylbenzene
Concen: 8.936 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:120 Resp: 134675

Ion	Ratio	Lower	Upper
120	100		
91	455.6	363.0	544.6



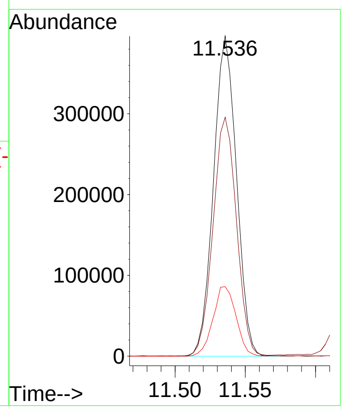


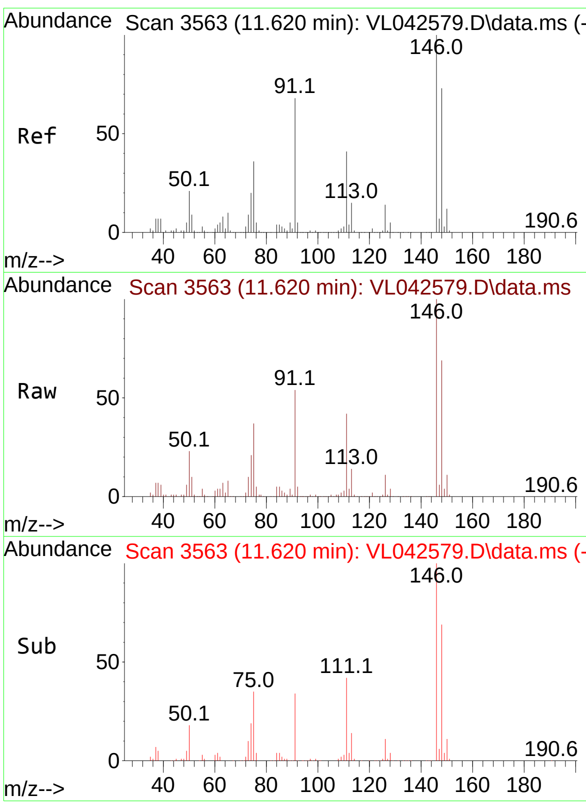
#65
tert-Butylbenzene
Concen: 8.833 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 450639

Ion	Ratio	Lower	Upper
119	100		
91	76.4	61.1	91.7
134	21.8	17.4	26.2

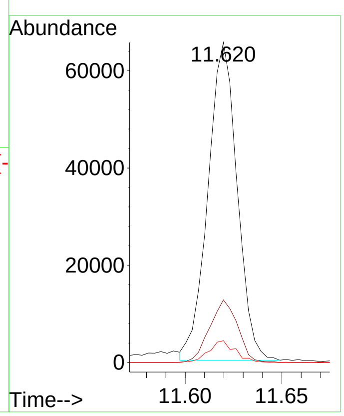


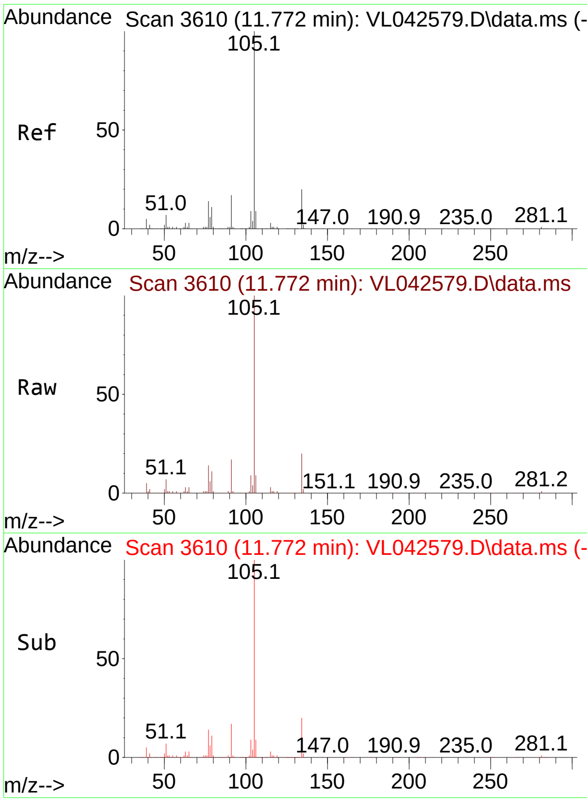


#66
Benzyl Chloride
Concen: 10.457 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 68801

Ion	Ratio	Lower	Upper
91	100		
126	18.9	15.1	22.7
128	6.2	5.0	7.6



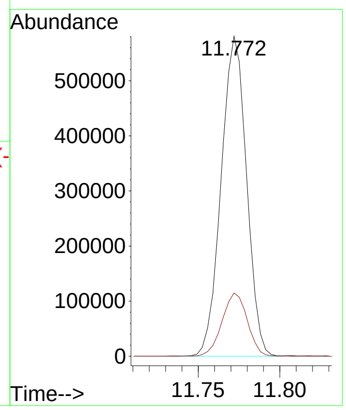


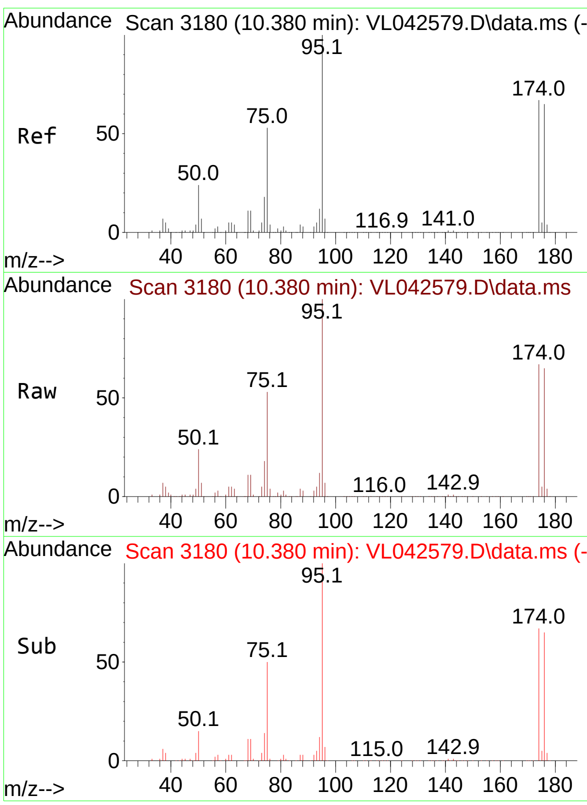
#67
sec-Butylbenzene
Concen: 8.749 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 627565

Ion	Ratio	Lower	Upper
105	100		
134	19.7	15.8	23.6

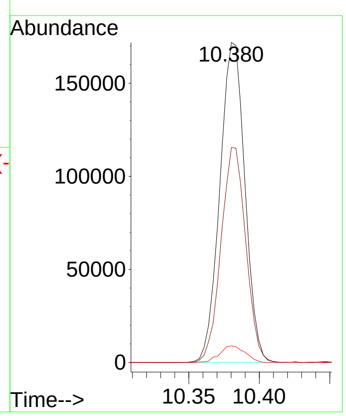


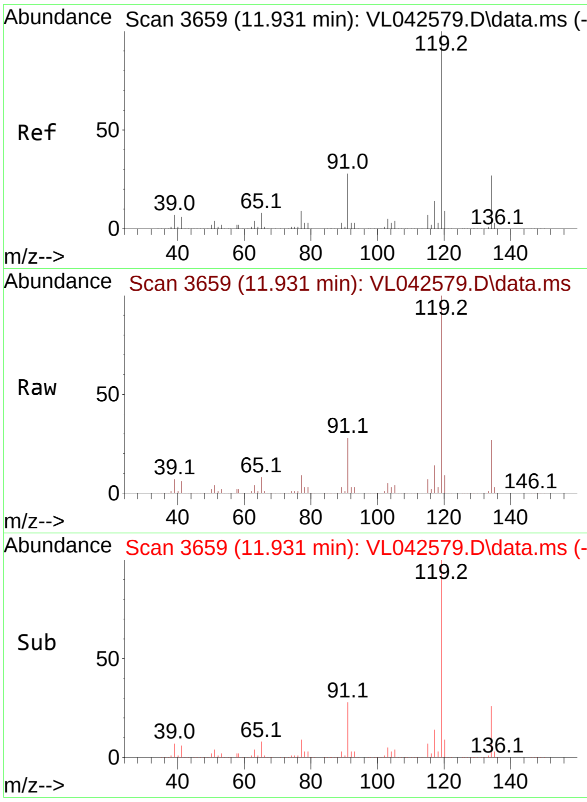


#68
1-Bromo-4-Fluorobenzene
Concen: 9.929 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 95 Resp: 212758

Ion	Ratio	Lower	Upper
95	100		
174	66.4	53.1	79.7
175	5.2	4.2	6.2



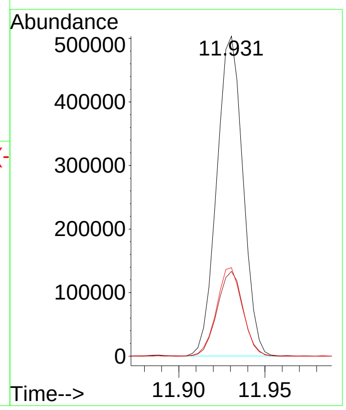


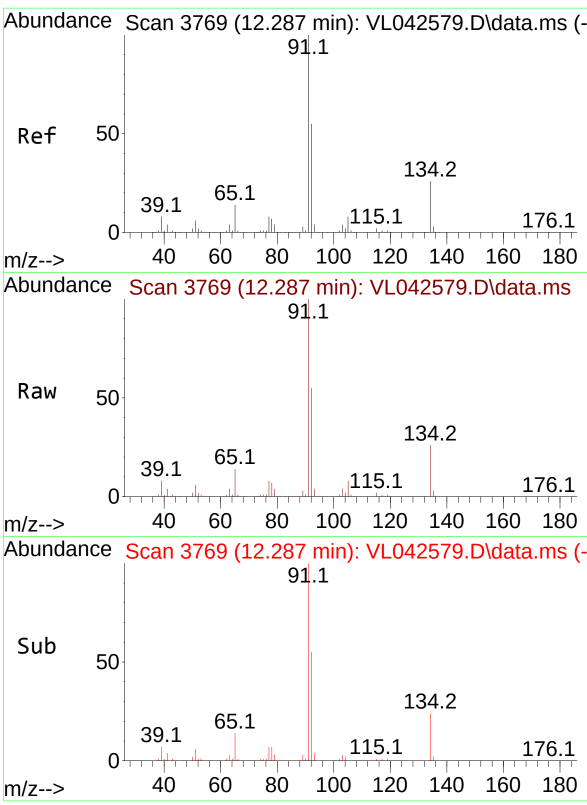
#69
p-Isopropyltoluene
Concen: 8.889 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 533961

Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.1	31.7
91	27.5	21.9	32.9

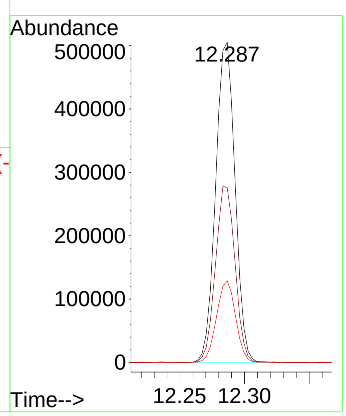


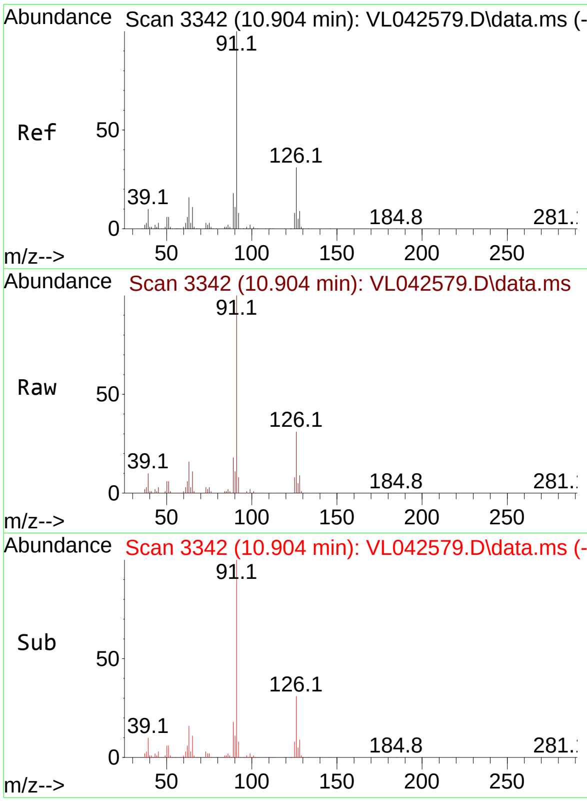


#70
n-Butylbenzene
Concen: 8.881 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion: 91 Resp: 526566

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.4	66.6
134	25.1	20.1	30.1



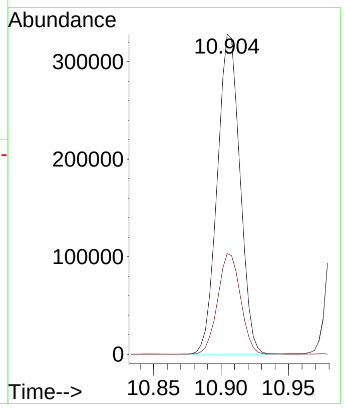


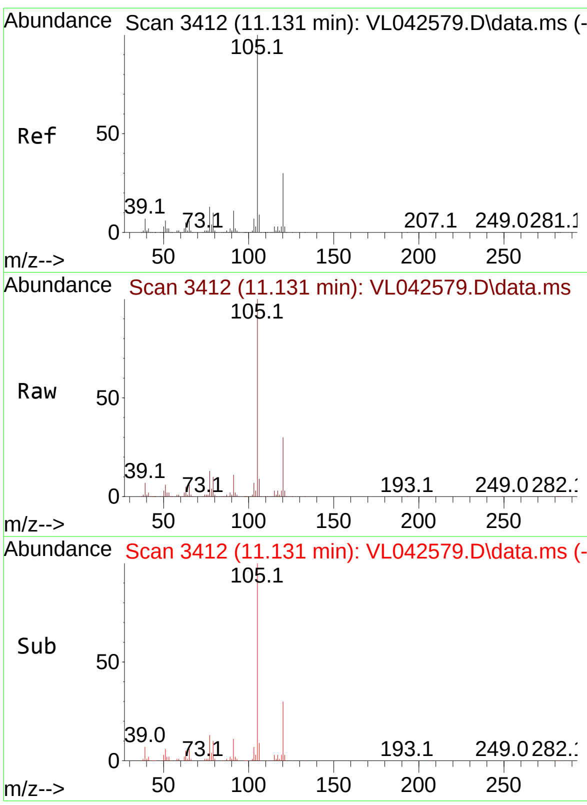
#71
2-Chlorotoluene
Concen: 8.952 ppbv
RT: 10.904 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 383881

Ion	Ratio	Lower	Upper
91	100		
126	31.5	12.6	50.4

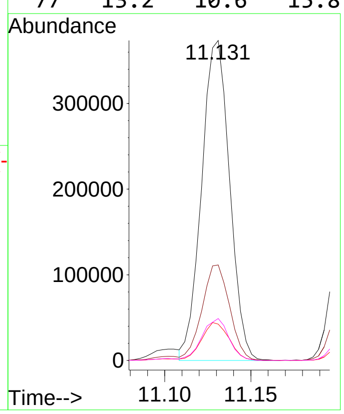


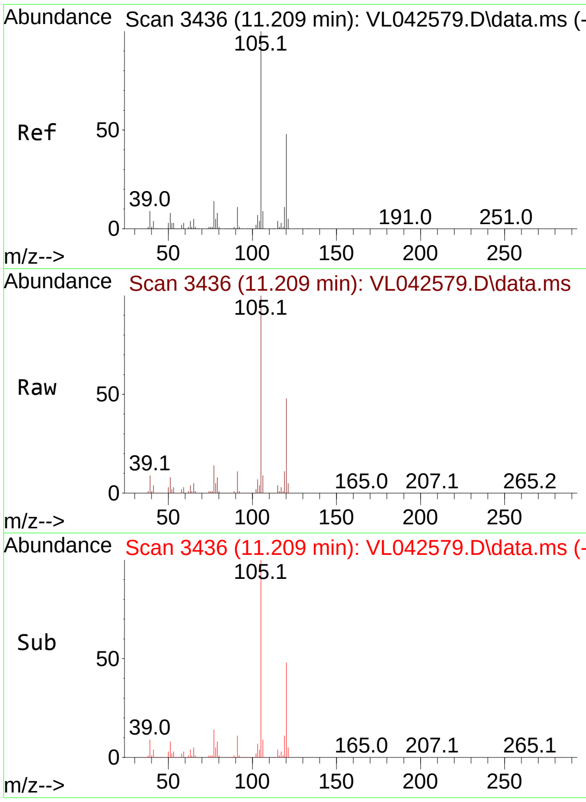


#72
4-Ethyltoluene
Concen: 8.920 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:105 Resp: 423227

Ion	Ratio	Lower	Upper
105	100		
120	30.7	24.6	36.8
91	12.0	9.6	14.4
77	13.2	10.6	15.8



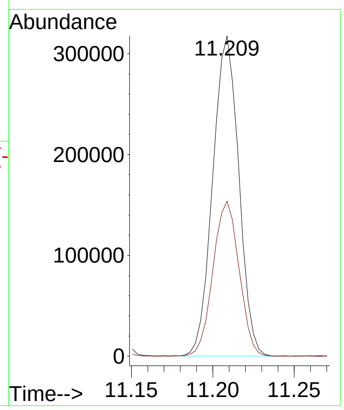


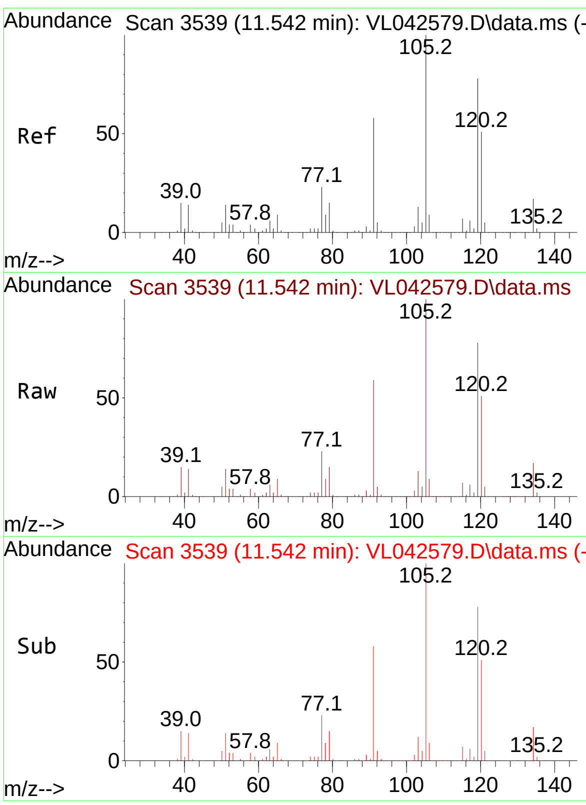
#73
1,3,5-Trimethylbenzene
Concen: 8.989 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 352978

Ion	Ratio	Lower	Upper
105	100		
120	48.5	38.8	58.2

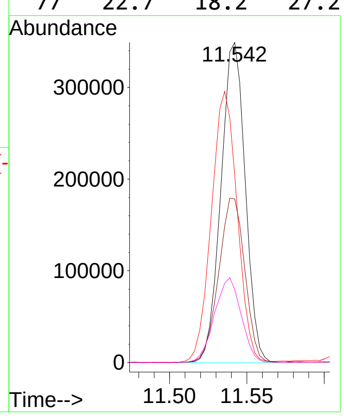


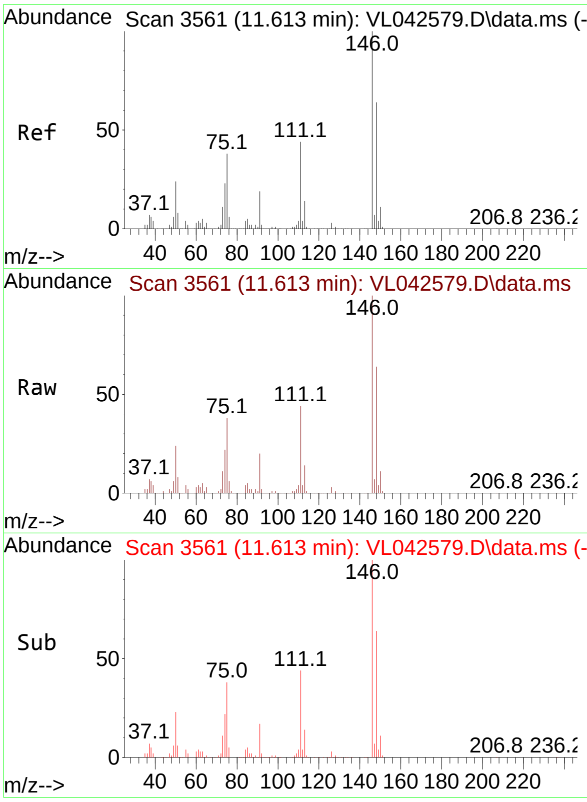


#74
1,2,4-Trimethylbenzene
Concen: 8.755 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:105 Resp: 381512

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.8	61.2
91	58.5	46.8	70.2
77	22.7	18.2	27.2



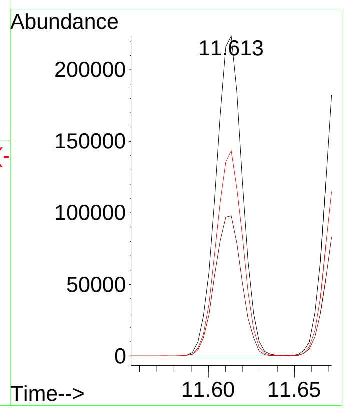


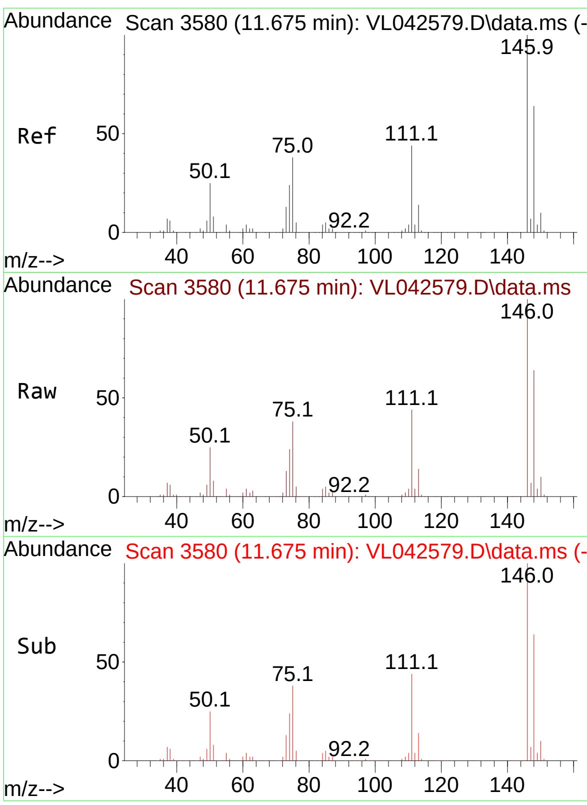
#75
1,3-Dichlorobenzene
Concen: 8.762 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 239782

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	64.1	32.0	96.2

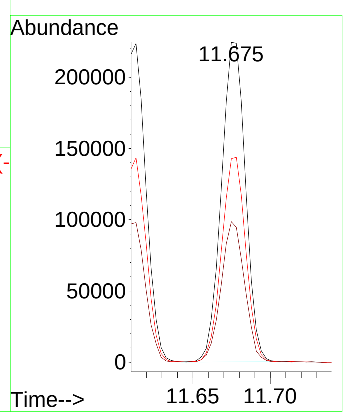


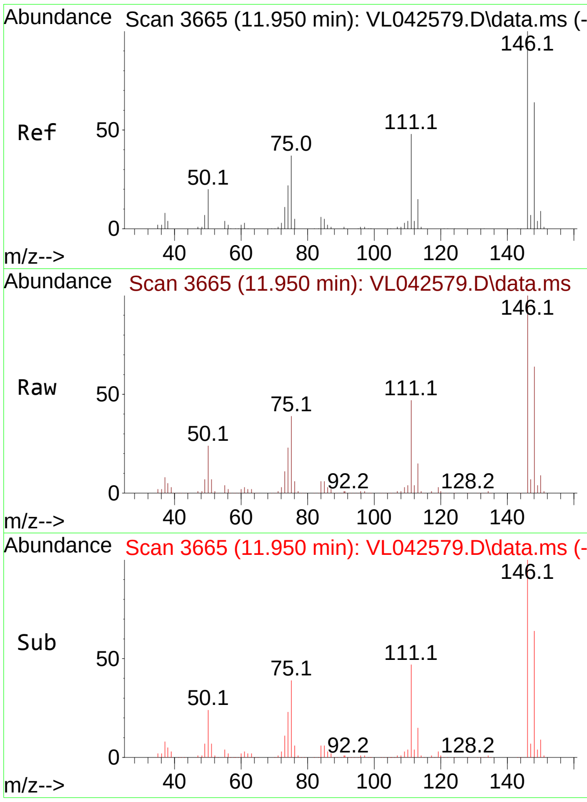


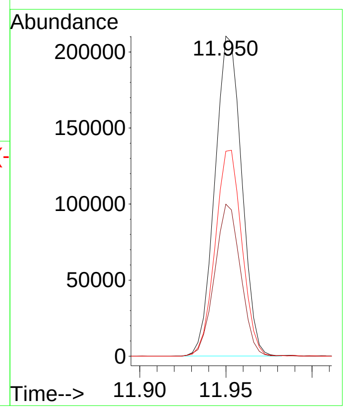
#76
1,4-Dichlorobenzene
Concen: 8.894 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:146 Resp: 242731

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	64.4	32.1	96.5





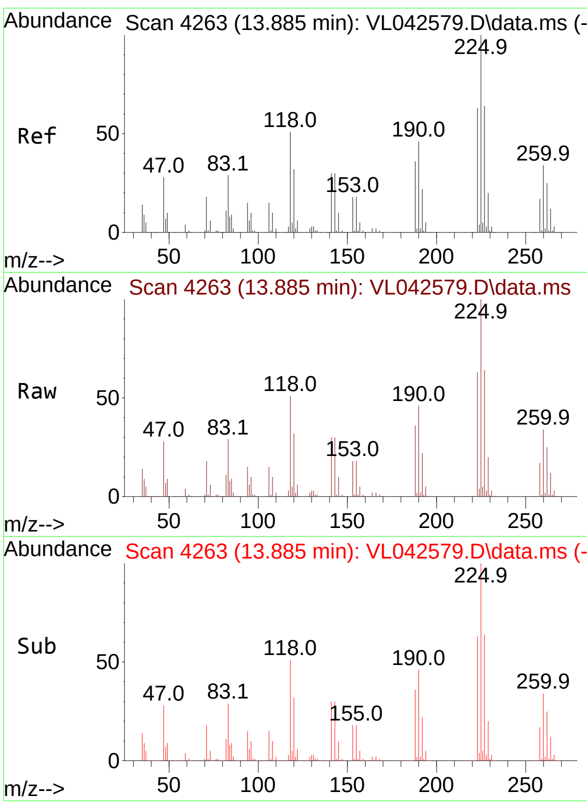


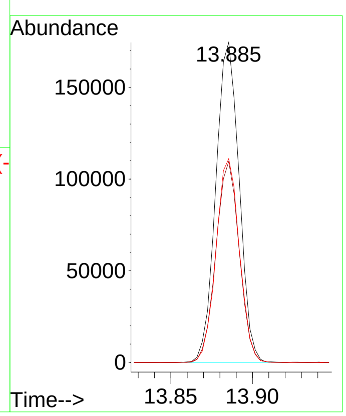
#77
1,2-Dichlorobenzene
Concen: 8.593 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 228222

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.3
148	64.2	32.1	96.3

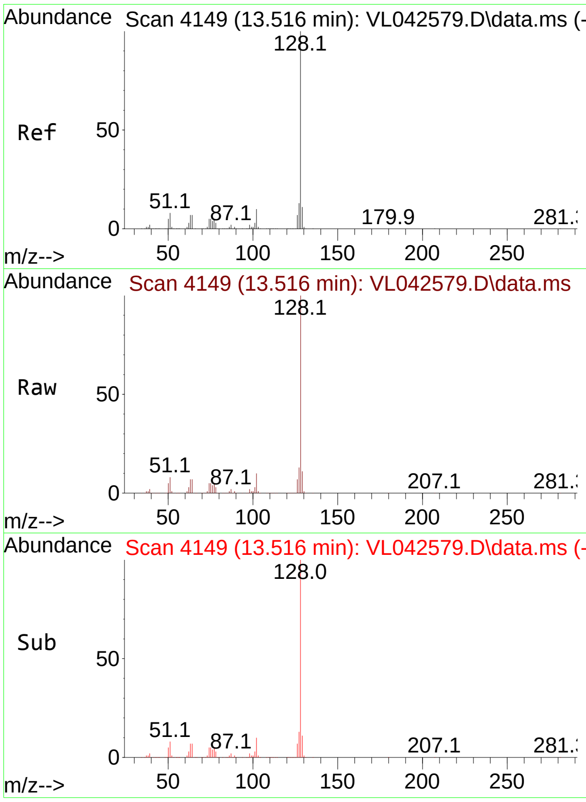




#78
Hexachloro-1,3-Butadiene
Concen: 7.893 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:225 Resp: 173447

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	63.9	51.1	76.7



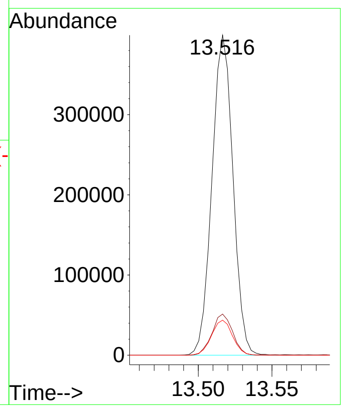
#79
Naphthalene
Concen: 9.666 ppbv
RT: 13.516 min Scan# 4

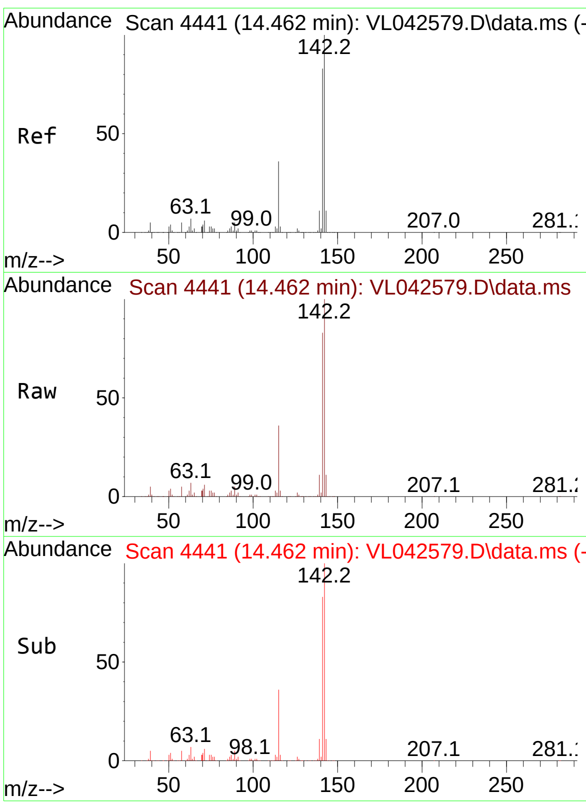
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:128 Resp: 395465

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.8	13.2

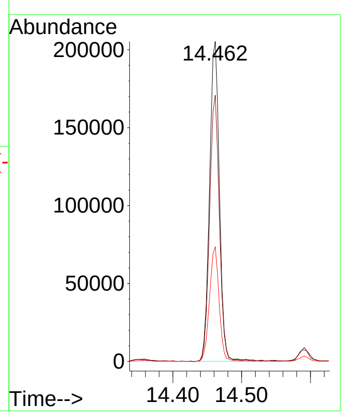


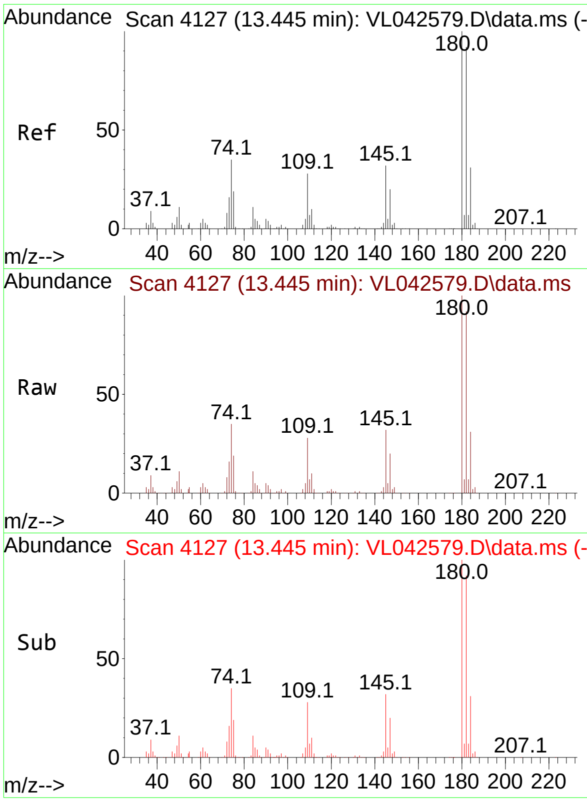


#80
Naphthalene,2-methyl-
Concen: 11.045 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Tgt Ion:142 Resp: 204746

Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.2	99.4
115	35.3	28.3	42.5



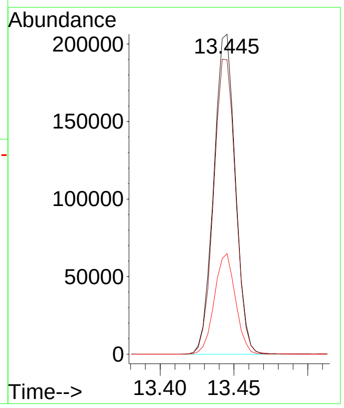


#81
1,2,4-Trichlorobenzene
Concen: 9.163 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VL042579.D
Acq: 29 May 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 210120

Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
184	30.7	24.6	36.8



Quantitation Report   (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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	1892	2.370 ppbv	84
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	4.596	88	3930	0.819 ppbv #	1
41) Tetrahydrofuran	3.062	42	26391	2.039 ppbv	96
42) Bromodichloromethane	4.496	83	44705	2.074 ppbv	90
43) Methyl Methacrylate	4.888	69	13583	1.148 ppbv #	10
44) 2,2,4-Trimethylpentane	4.648	57	109446	2.097 ppbv	100
45) t-1,3-Dichloropropene	6.425	75	17372	1.281 ppbv	94

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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	9.539	91	87626	2.309 ppbv #	29
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

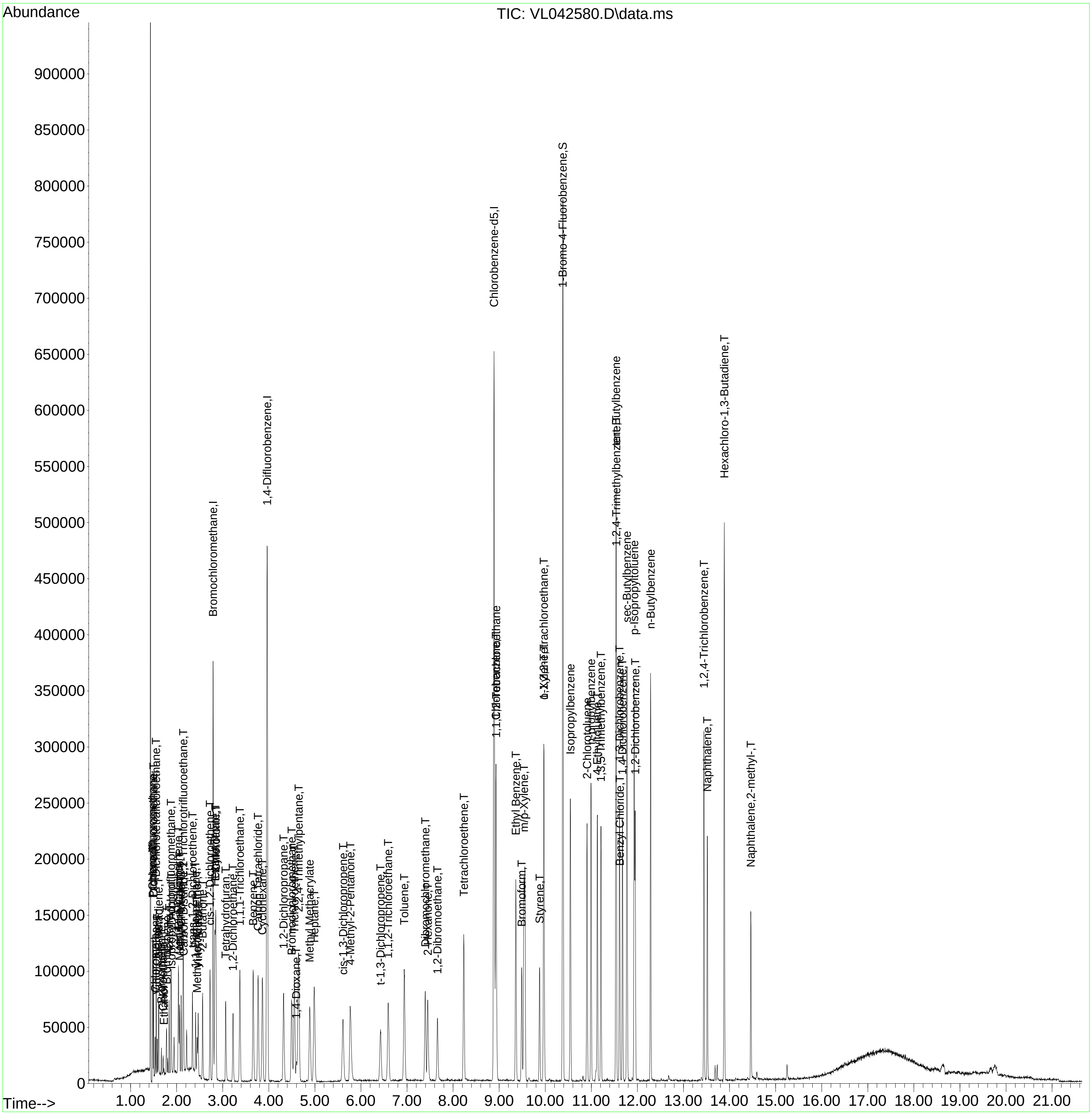
(#) = qualifier out of range (m) = manual integration (+) = signals summed

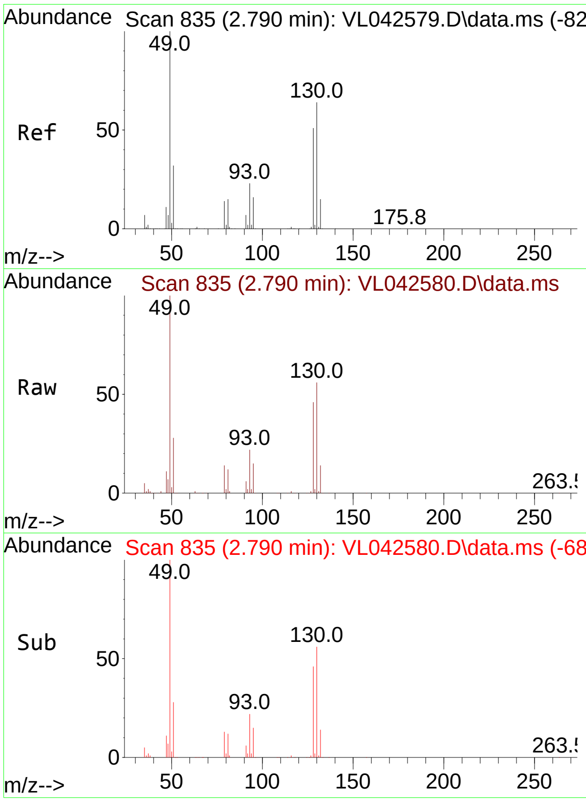
Quantitation Report   (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration



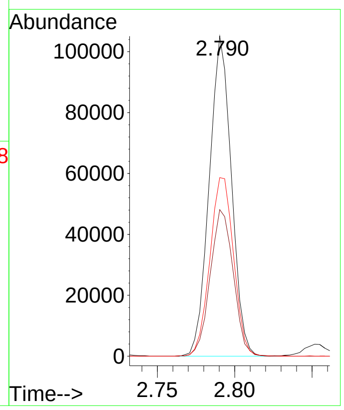


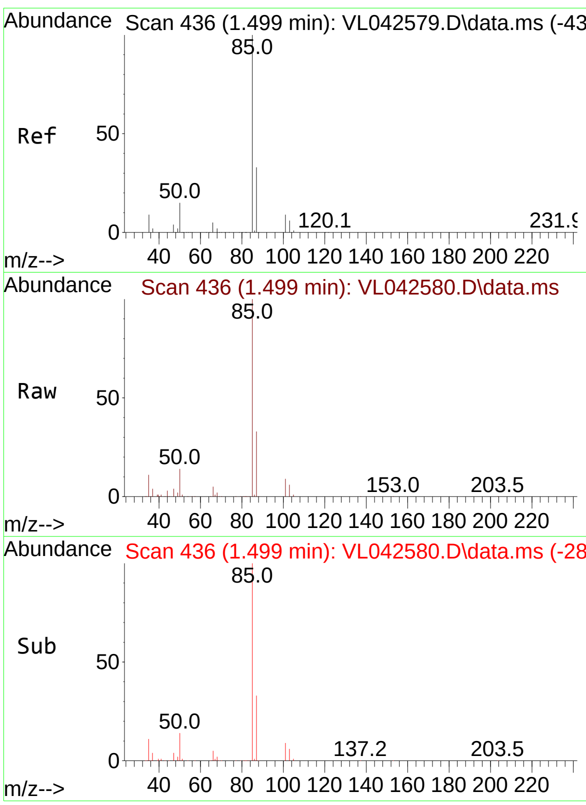
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 104930

Ion	Ratio	Lower	Upper
49	100		
128	47.6	24.2	72.6
130	59.6	30.4	91.2

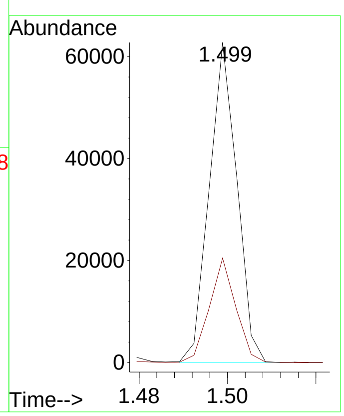


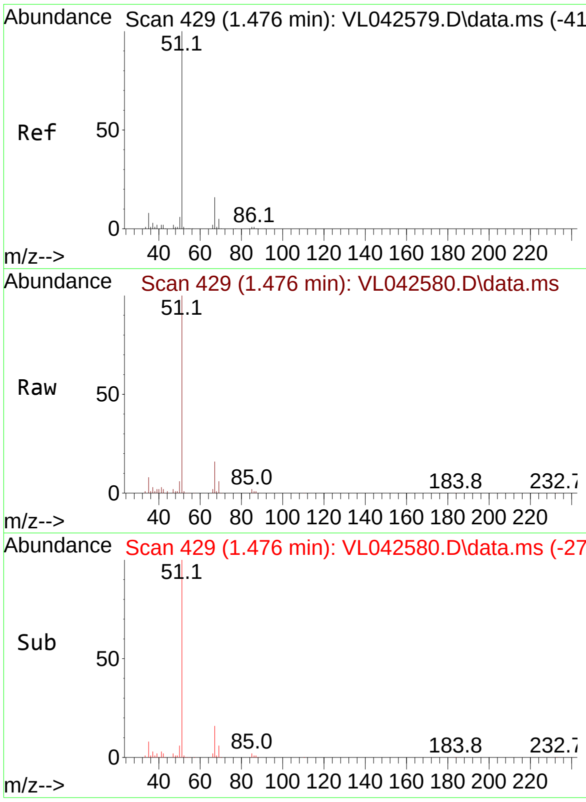


#2
Dichlorodifluoromethane
Concen: 2.115 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 85 Resp: 27278

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.6	39.8



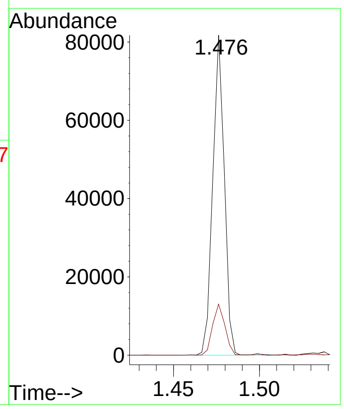


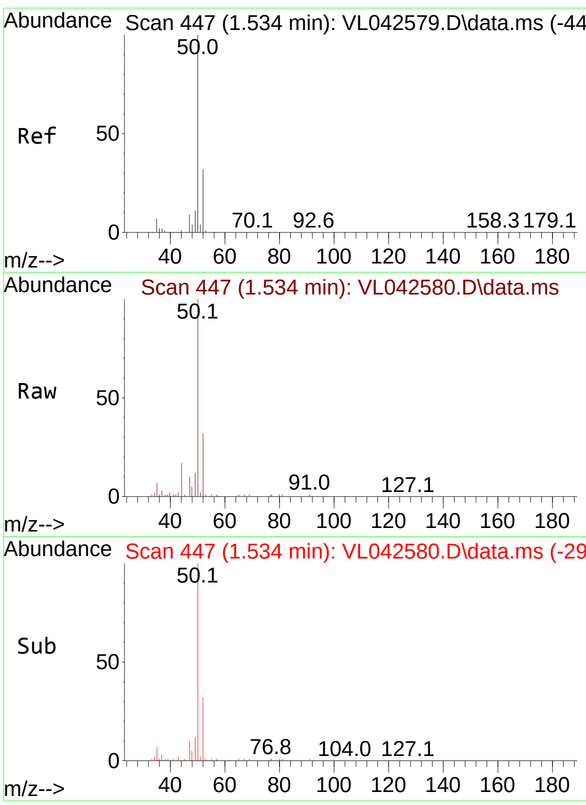
#3
Chlorodifluoromethane
Concen: 2.157 ppbv
RT: 1.476 min   Scan# 4
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 38320

Ion	Ratio	Lower	Upper
51	100		
67	17.5	13.4	20.2

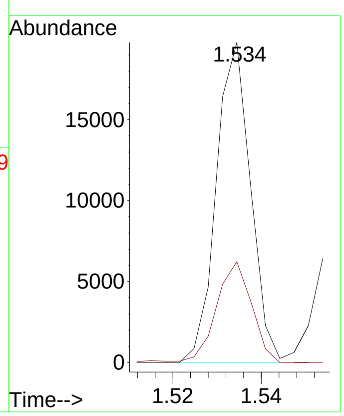


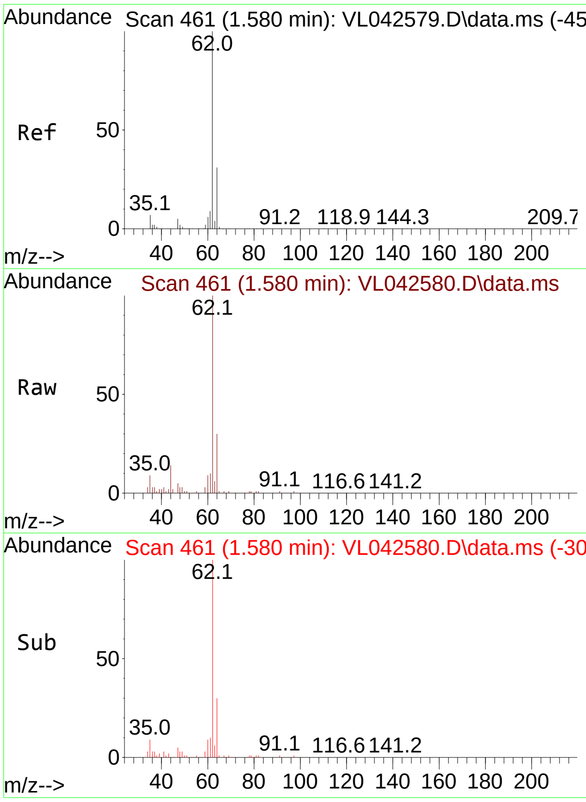


#4
Chloromethane
Concen: 2.084 ppbv
RT: 1.534 min   Scan# 447
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 50 Resp: 10641

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.8	38.6



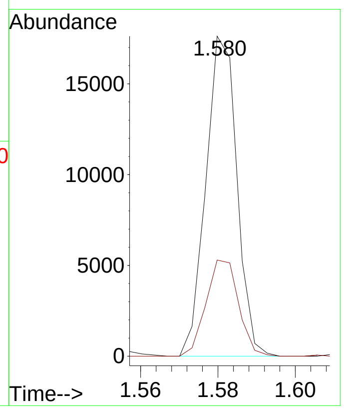


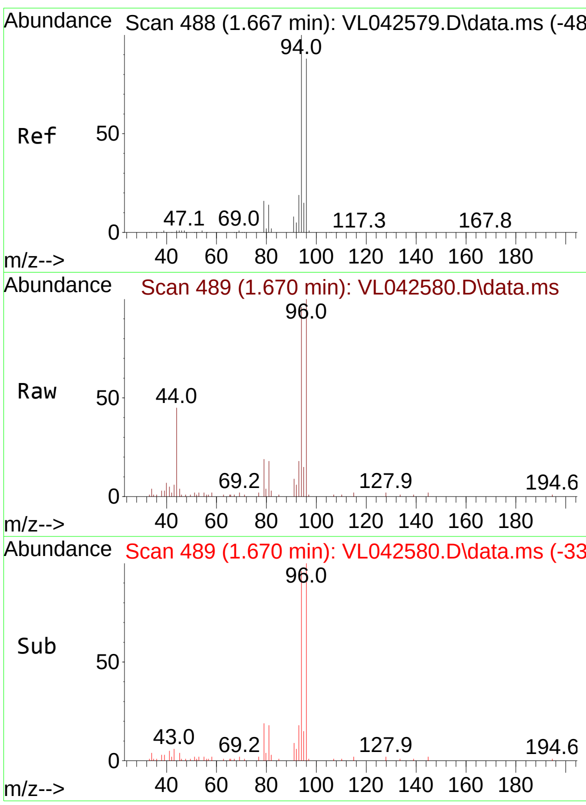
#5
Vinyl Chloride
Concen: 1.887 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 9819

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.9	37.3

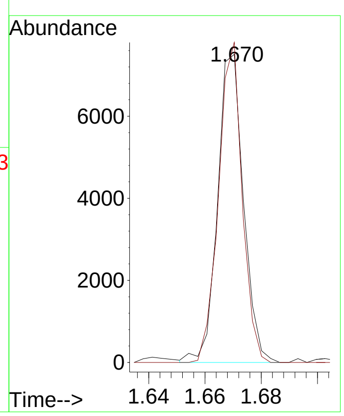


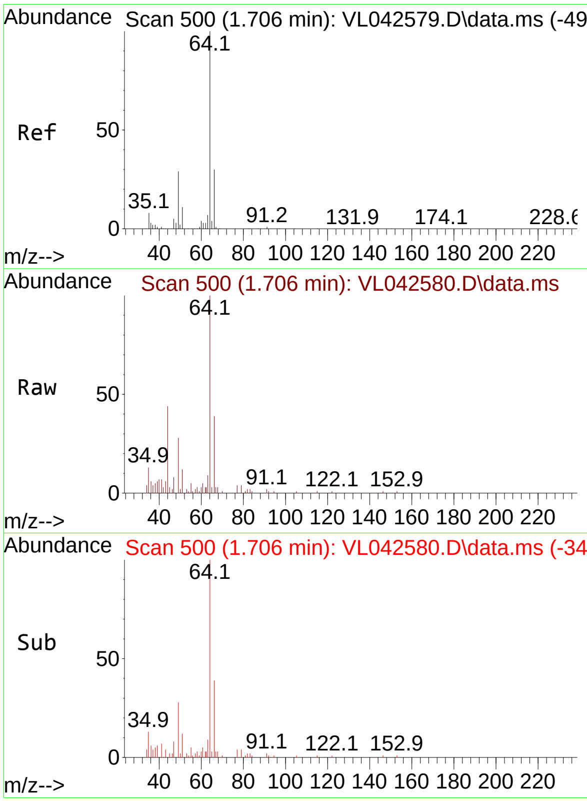


#6
Bromomethane
Concen: 1.903 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 94 Resp: 4819

Ion	Ratio	Lower	Upper
94	100		
96	103.8	70.7	106.1



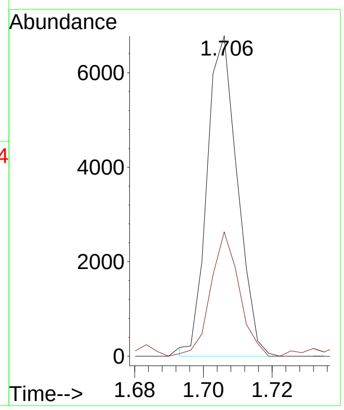


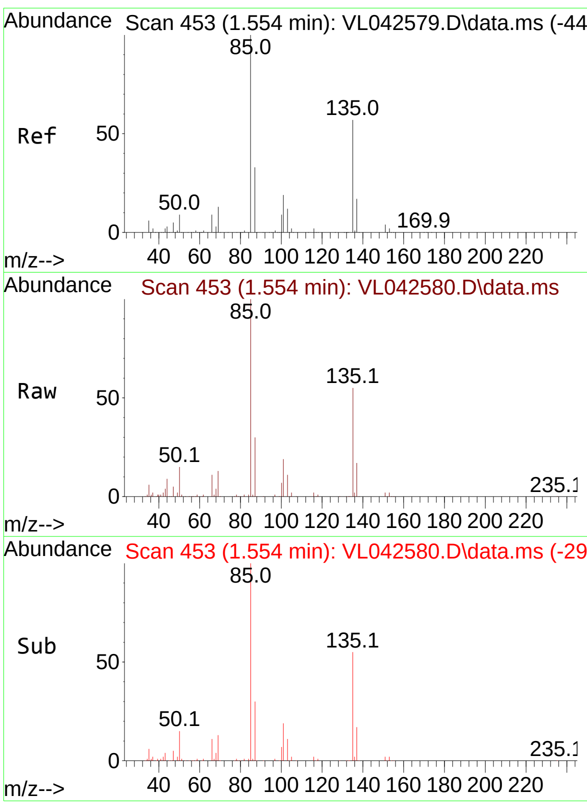
#7
Chloroethane
Concen: 2.059 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 4162

Ion	Ratio	Lower	Upper
64	100		
66	38.8	24.3	36.5#

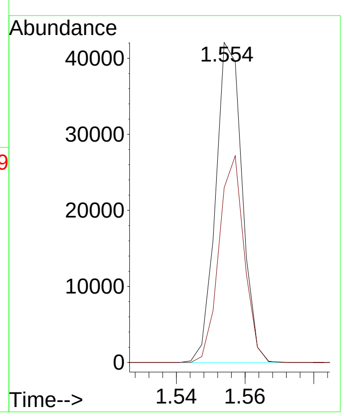


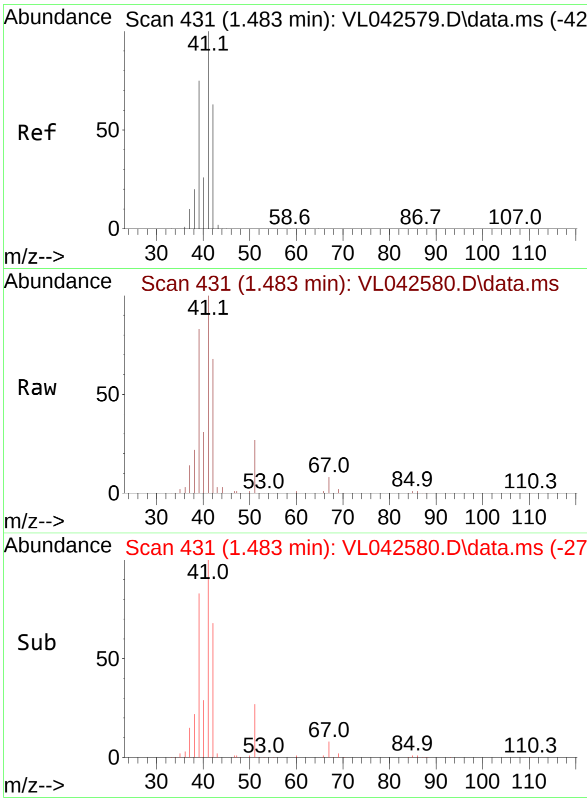


#8
Dichlorotetrafluoroethane
Concen: 2.100 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 85 Resp: 22568

Ion	Ratio	Lower	Upper
85	100		
135	61.5	50.2	75.4



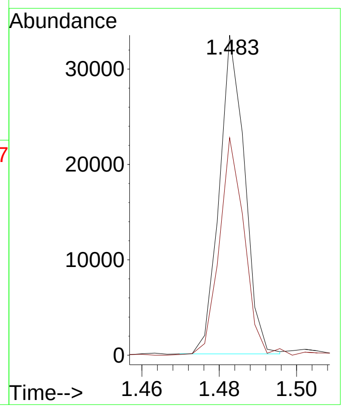


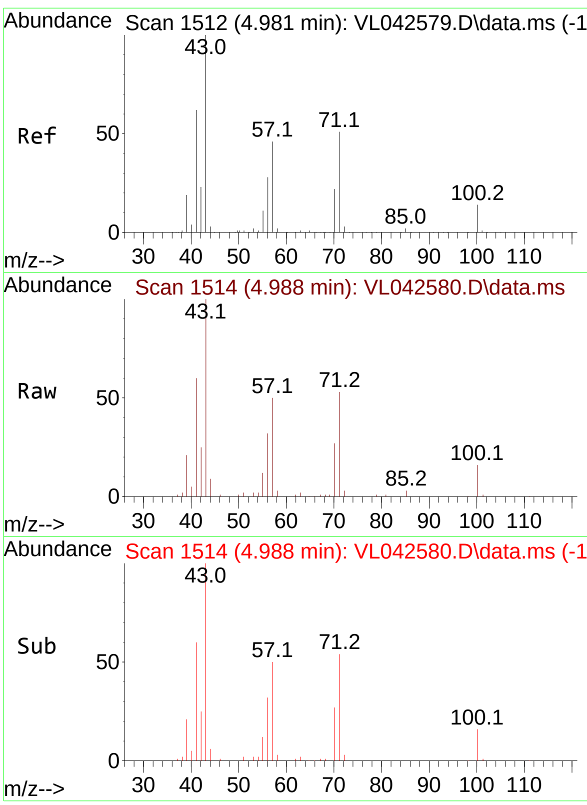
#9
Propene
Concen: 2.119 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 15155

Ion	Ratio	Lower	Upper
41	100		
42	69.5	53.3	79.9

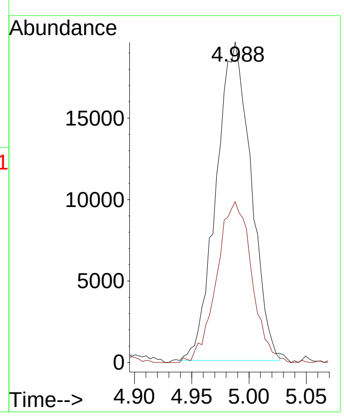


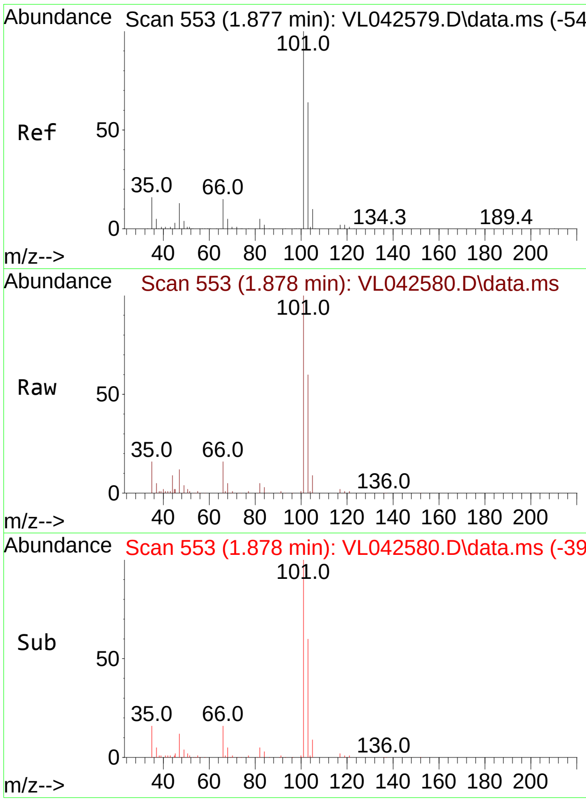


#10
Heptane
Concen: 2.060 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.007 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 41577

Ion	Ratio	Lower	Upper
43	100		
57	50.7	38.9	58.3



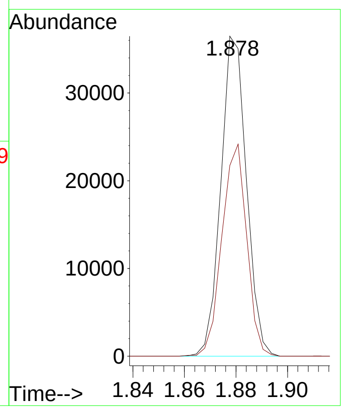


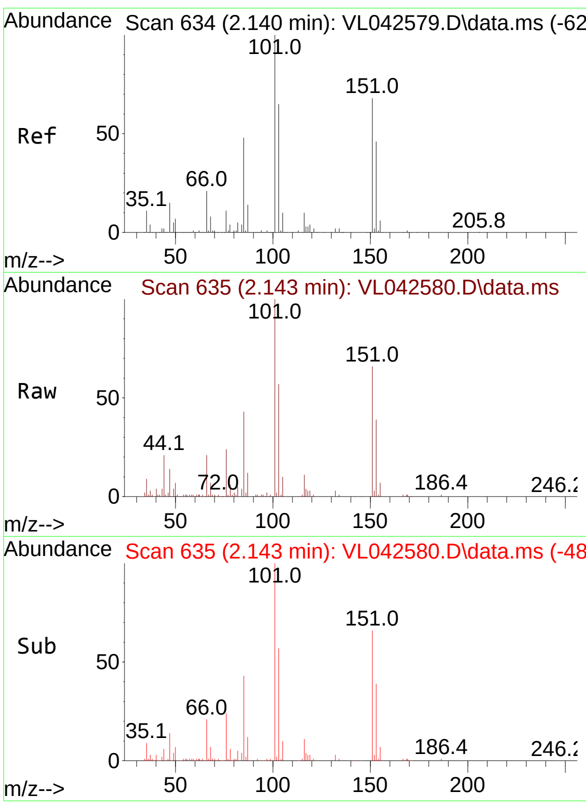
#11
Trichlorofluoromethane
Concen: 2.101 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 25215

Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.5	77.3

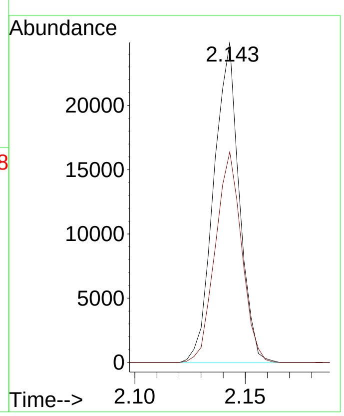


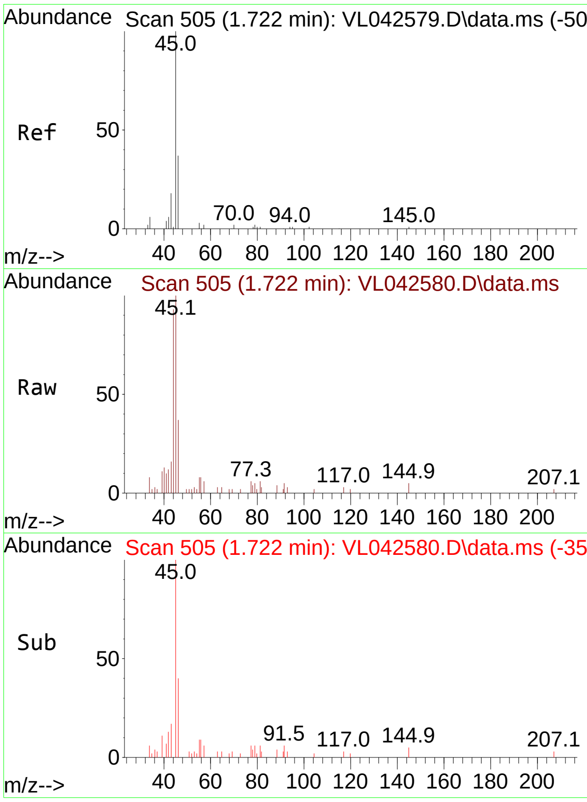


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.119 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:101 Resp: 19963

Ion	Ratio	Lower	Upper
101	100		
151	68.0	55.3	82.9





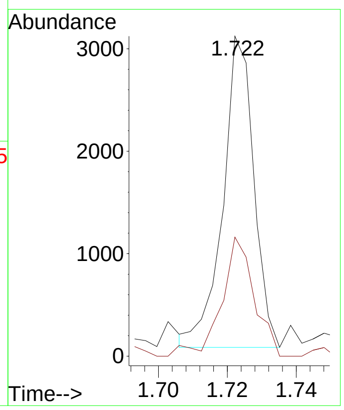
#13
Ethanol
Concen: 2.370 ppbv
RT: 1.722 min Scan# 5

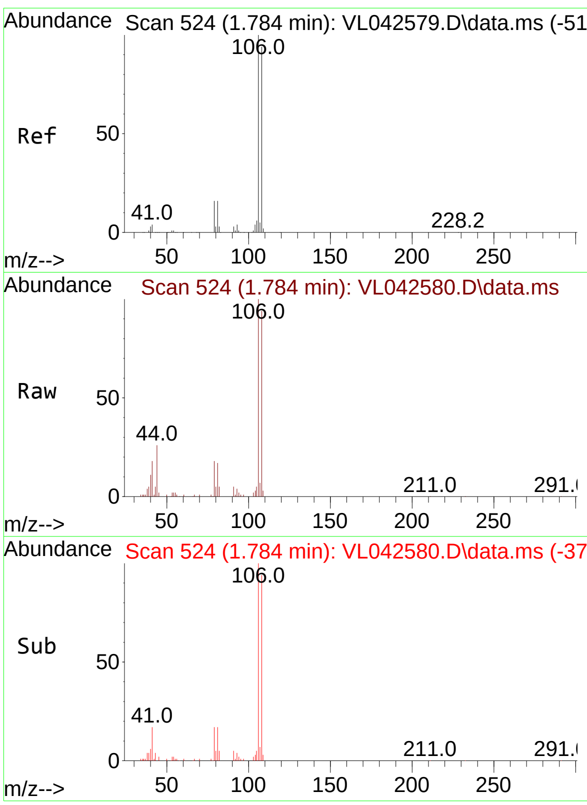
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 45 Resp: 1892

Ion	Ratio	Lower	Upper
45	100		
46	45.6	14.5	58.1

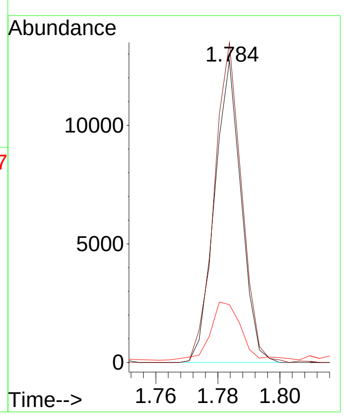


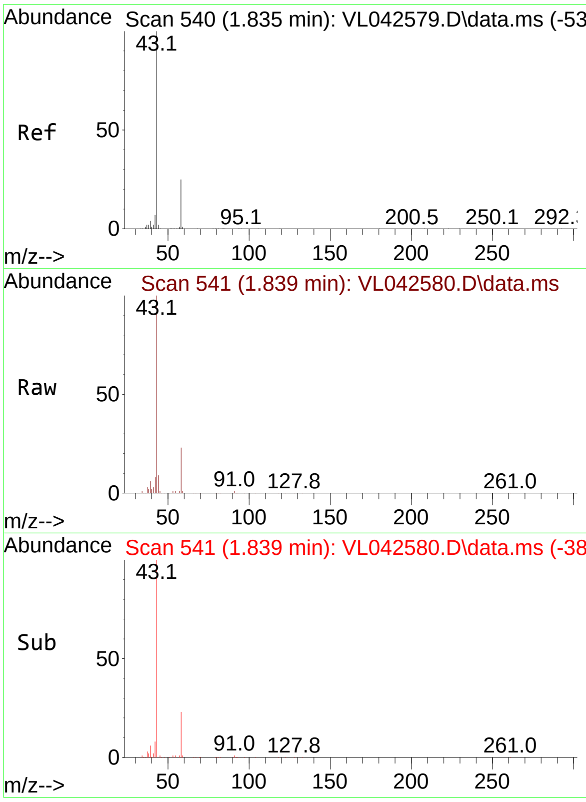


#14
Bromoethene
Concen: 2.146 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:108 Resp: 7607

Ion	Ratio	Lower	Upper
108	100		
106	108.4	87.9	131.9
79	34.7	15.6	23.4#



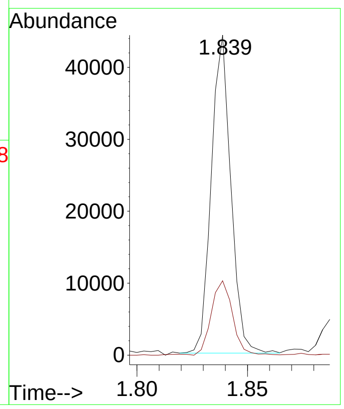


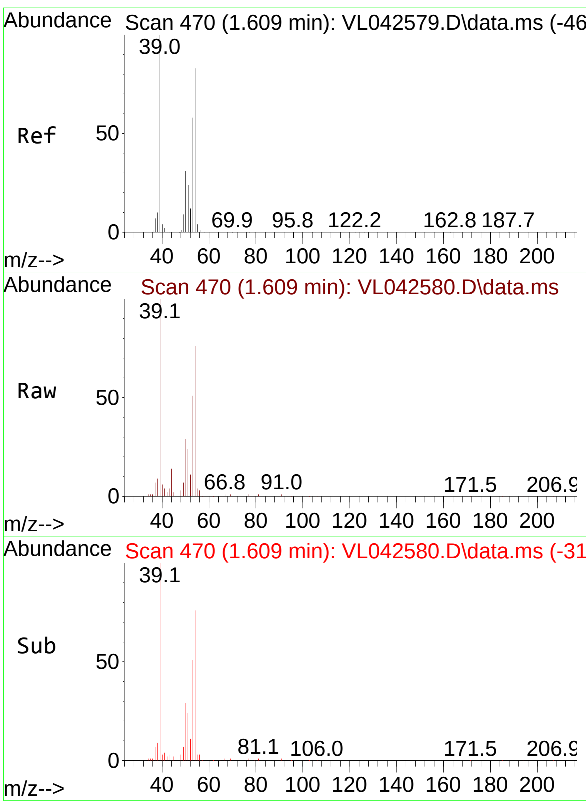
#15
Acetone
Concen: 2.156 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 27254

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.0	31.4

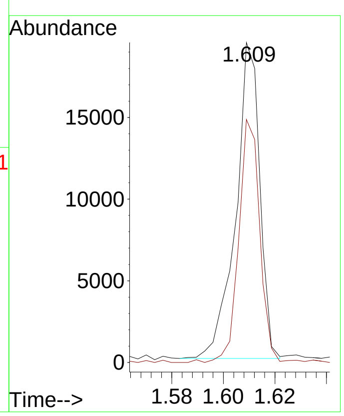


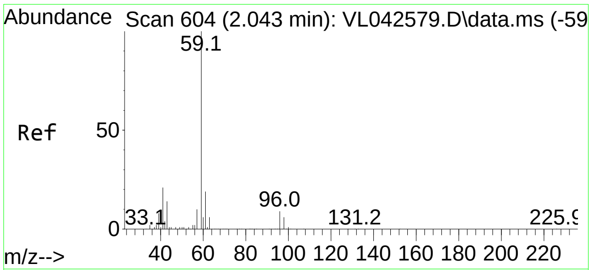


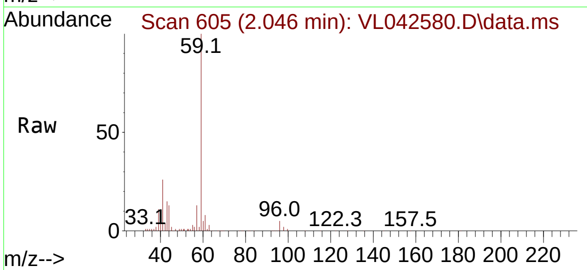
#16
1,3-Butadiene
Concen: 2.092 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

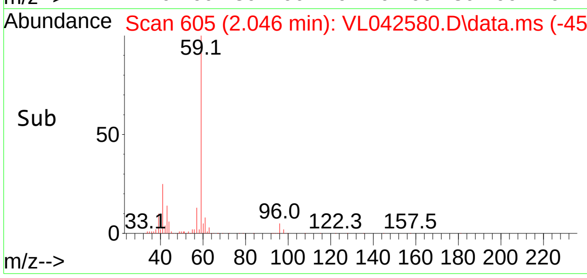
Tgt Ion: 39 Resp: 12523

Ion	Ratio	Lower	Upper
39	100		
54	68.6	57.9	86.9







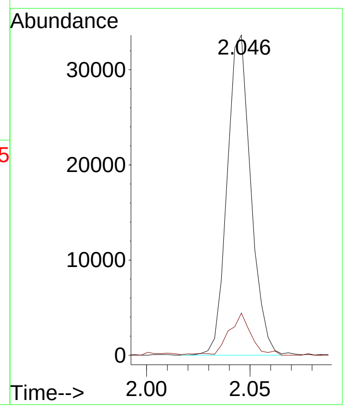


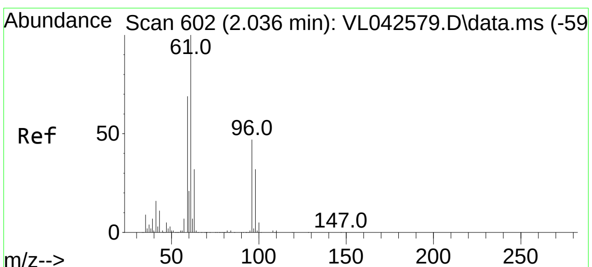
#17
tert-Butyl alcohol
Concen: 2.039 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

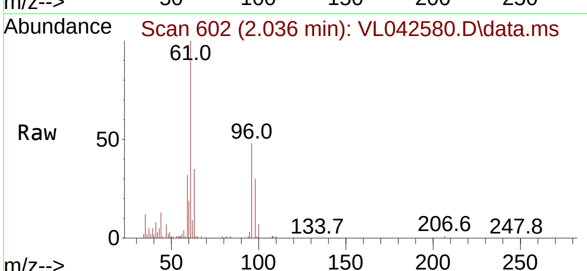
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

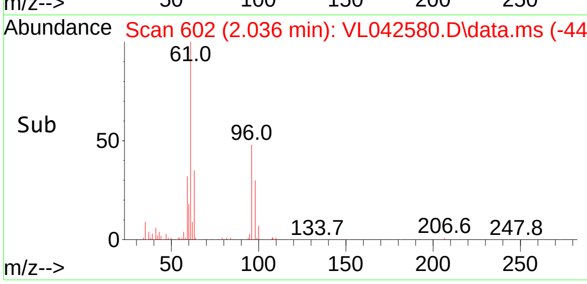
Tgt Ion: 59 Resp: 26842

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.6	12.8





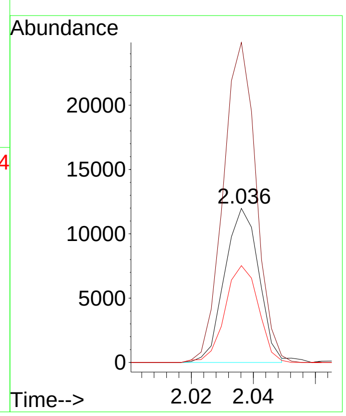


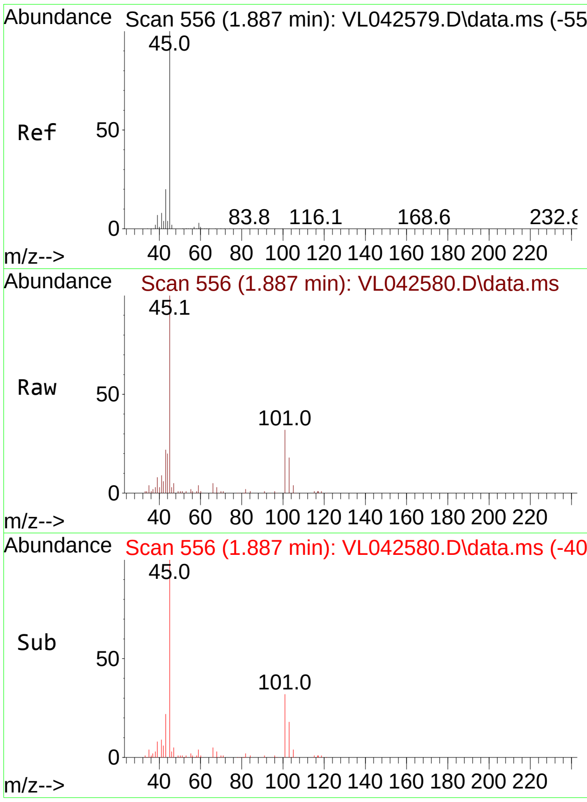


#18
1,1-Dichloroethene
Concen: 2.094 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 96 Resp: 9179

Ion	Ratio	Lower	Upper
96	100		
61	207.6	171.1	256.7
98	62.8	54.4	81.6



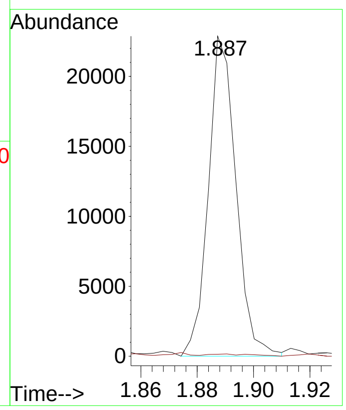


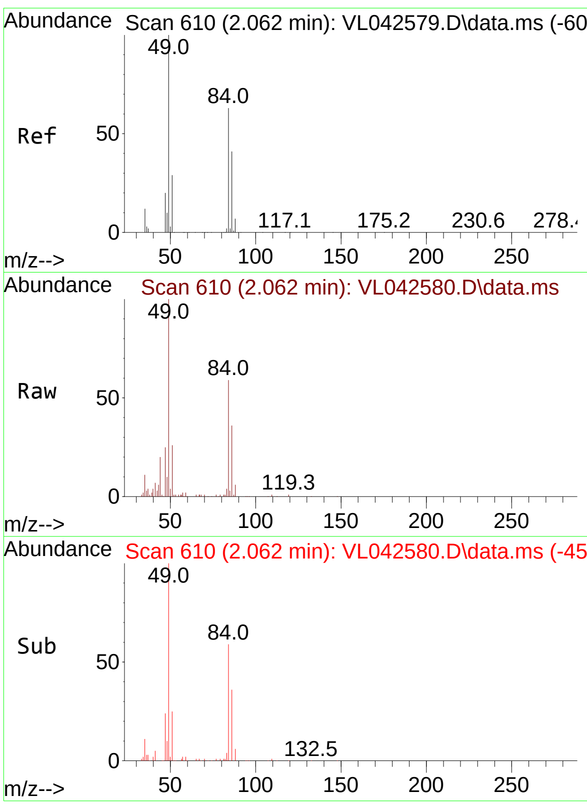
#19
Isopropyl Alcohol
Concen: 2.060 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 15567

Ion	Ratio	Lower	Upper
45	100		
58	2.7	29.4	44.2#

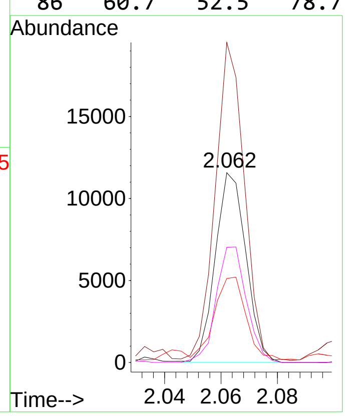


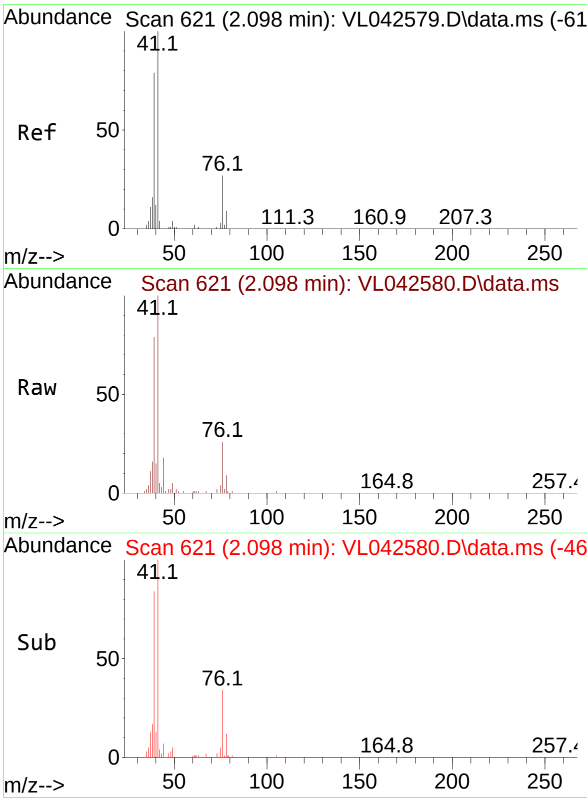


#20
Methylene Chloride
Concen: 2.101 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 84 Resp: 8763

Ion	Ratio	Lower	Upper
84	100		
49	166.9	128.8	193.2
51	42.8	38.6	57.8
86	60.7	52.5	78.7



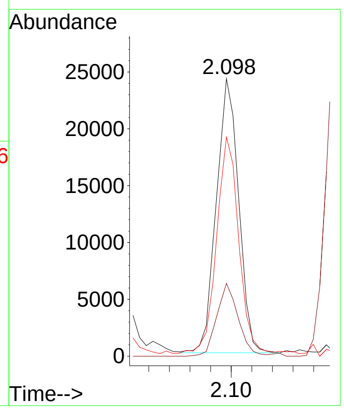


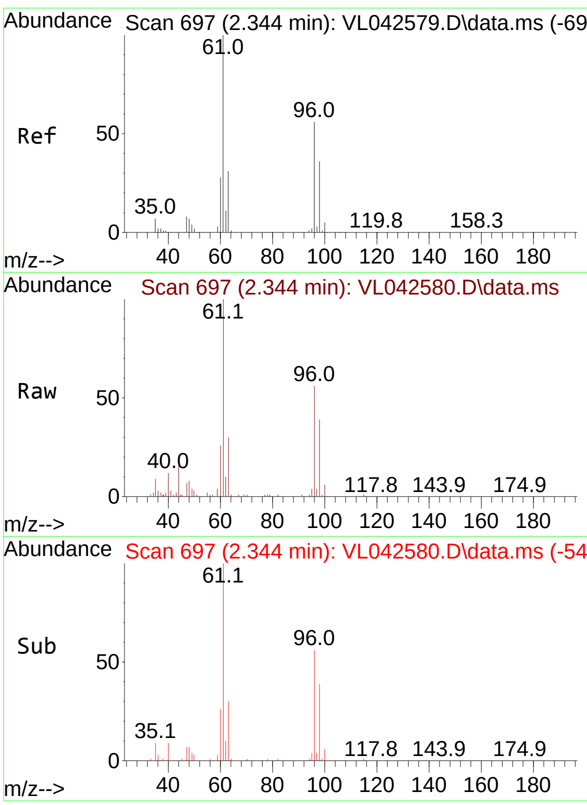
#21
Allyl Chloride
Concen: 2.038 ppbv
RT: 2.098 min Scan# 621
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 18178

Ion	Ratio	Lower	Upper
41	100		
76	25.3	21.2	31.8
39	85.4	60.9	91.3

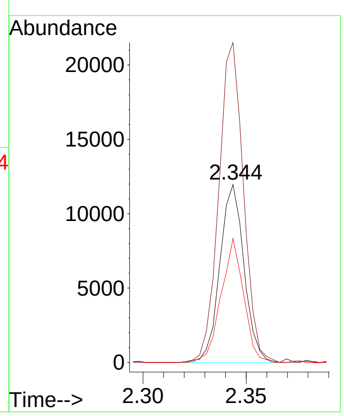


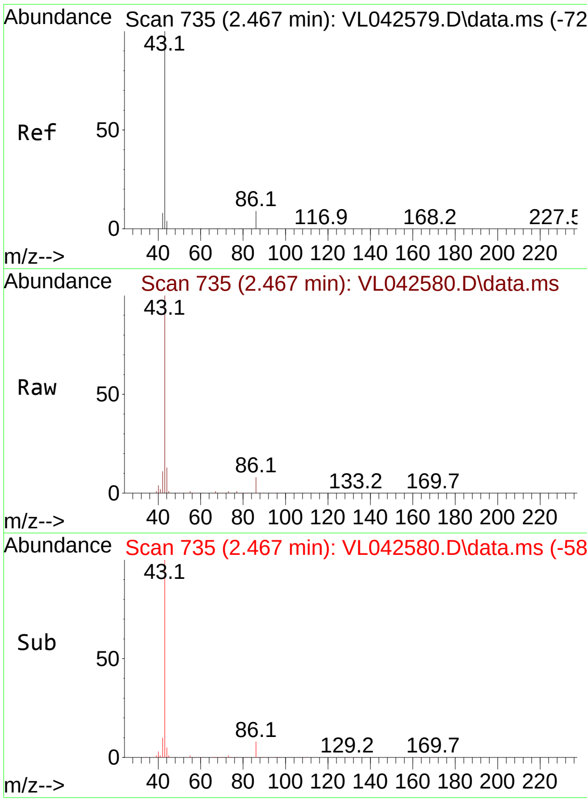


#22
trans-1,2-Dichloroethene
Concen: 1.998 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 96 Resp: 9775

Ion	Ratio	Lower	Upper
96	100		
61	179.9	142.6	214.0
98	69.7	51.0	76.4



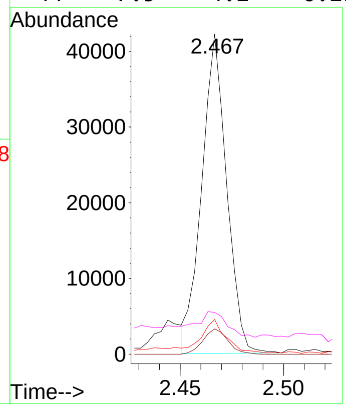


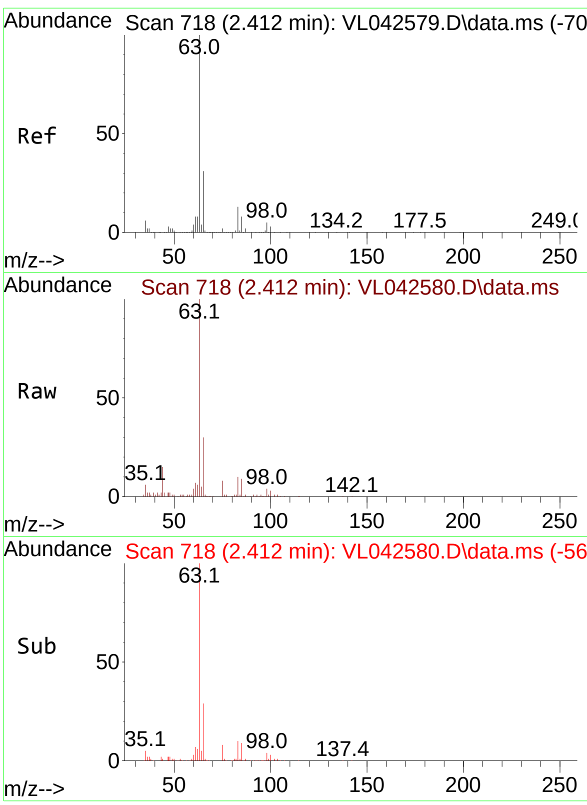
#23
Vinyl Acetate
Concen: 2.070 ppbv
RT: 2.467 min   Scan# 7
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 35373

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	9.8
42	10.5	7.0	10.4#
44	7.5	4.2	6.2#

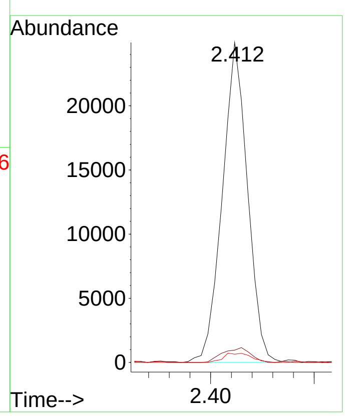


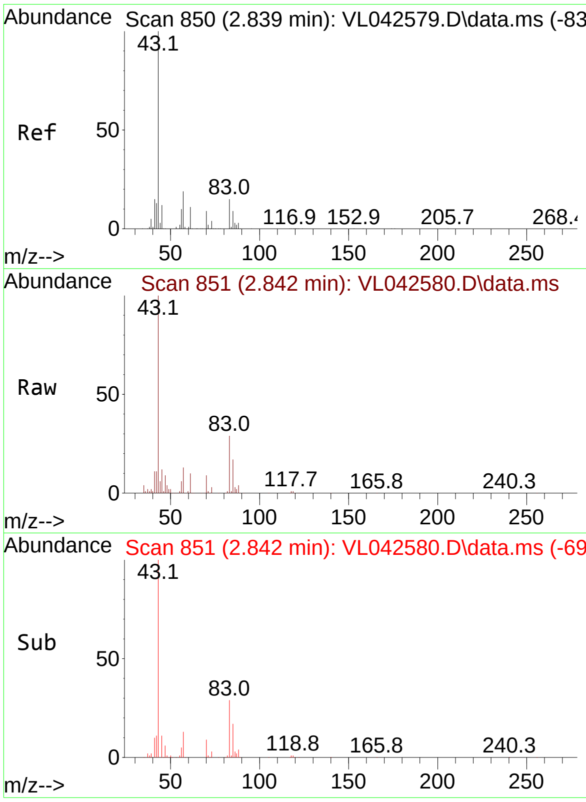


#24
1,1-Dichloroethane
Concen: 2.100 ppbv
RT: 2.412 min   Scan# 718
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 63 Resp: 21077

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.1
100	2.6	1.4	4.0





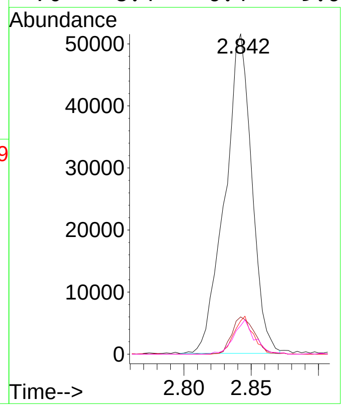
#25
Ethyl Acetate
Concen: 2.070 ppbv
RT: 2.842 min Scan# 8

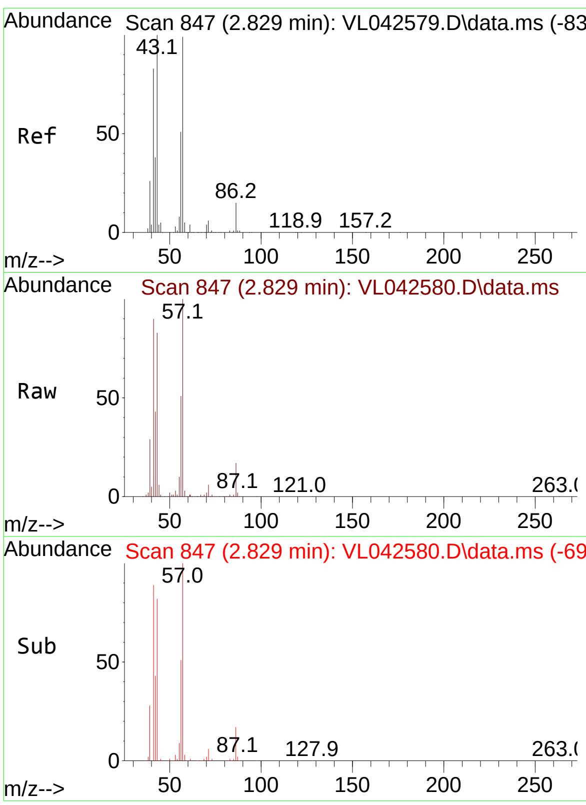
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 71613

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.6	7.1	10.7
70	8.4	6.4	9.6

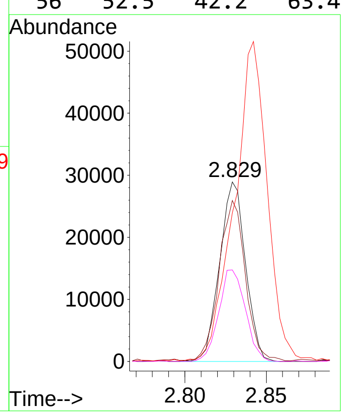


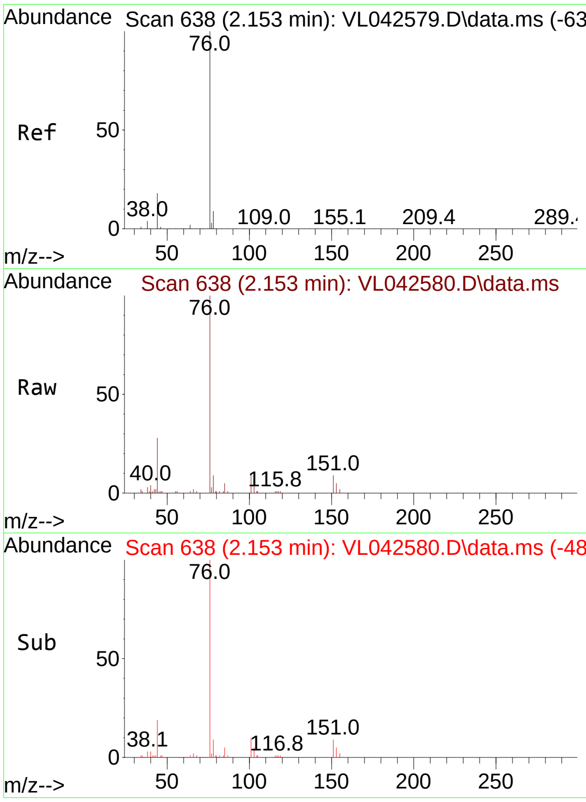


#26
Hexane
Concen: 2.037 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 57 Resp: 32018

Ion	Ratio	Lower	Upper
57	100		
41	95.0	70.6	106.0
43	228.7	181.1	271.7
56	52.5	42.2	63.4





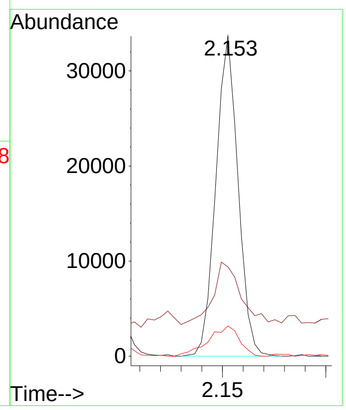
#27
Carbon Disulfide
Concen: 2.084 ppbv
RT: 2.153 min Scan# 6

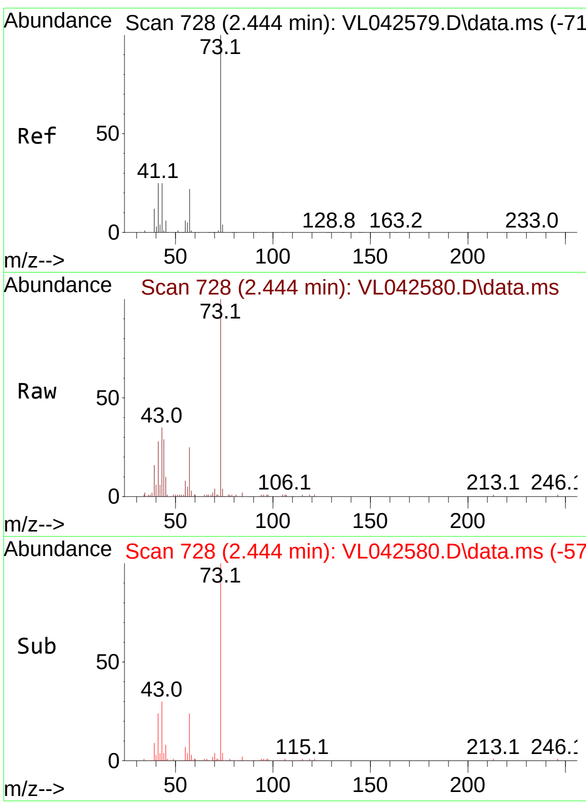
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 76 Resp: 25143

Ion	Ratio	Lower	Upper
76	100		
44	53.4	21.3	31.9#
78	13.6	9.4	14.0

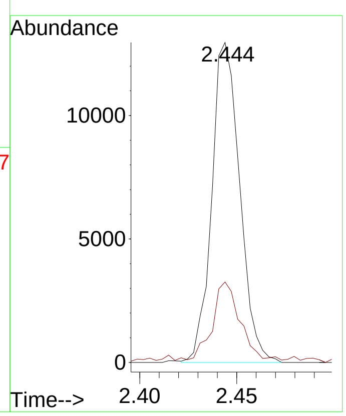


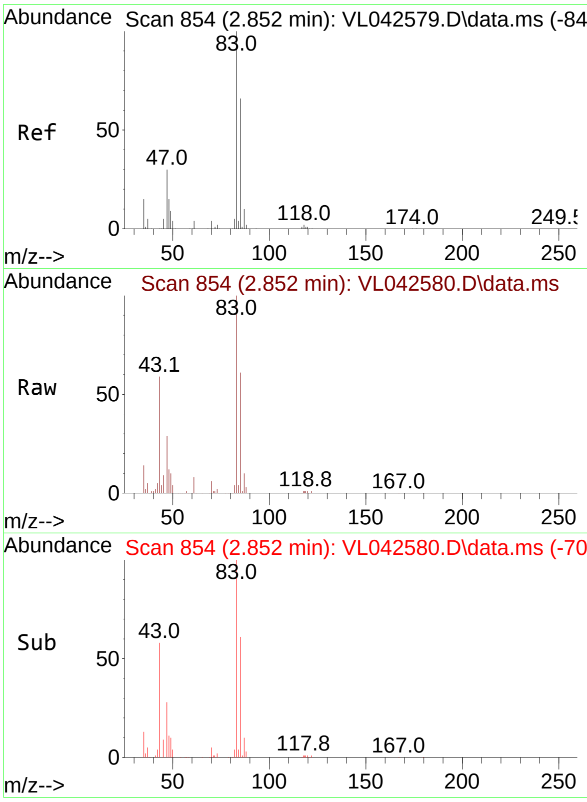


#28
Methyl tert-Butyl Ether
Concen: 2.044 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 73 Resp: 13034

Ion	Ratio	Lower	Upper
73	100		
57	30.2	19.9	29.9#



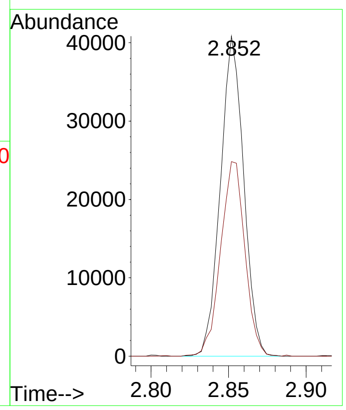


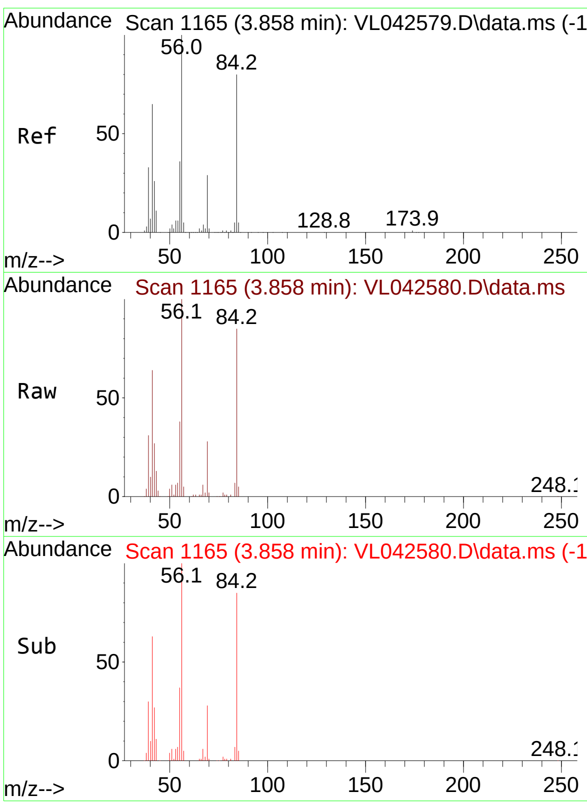
#29
Chloroform
Concen: 2.089 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 42693

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.8	79.2

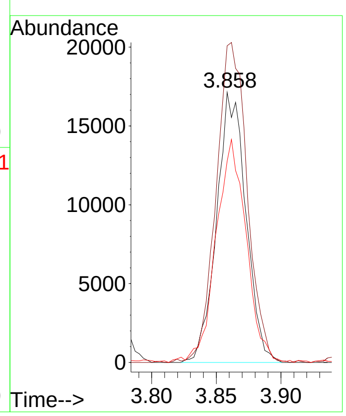


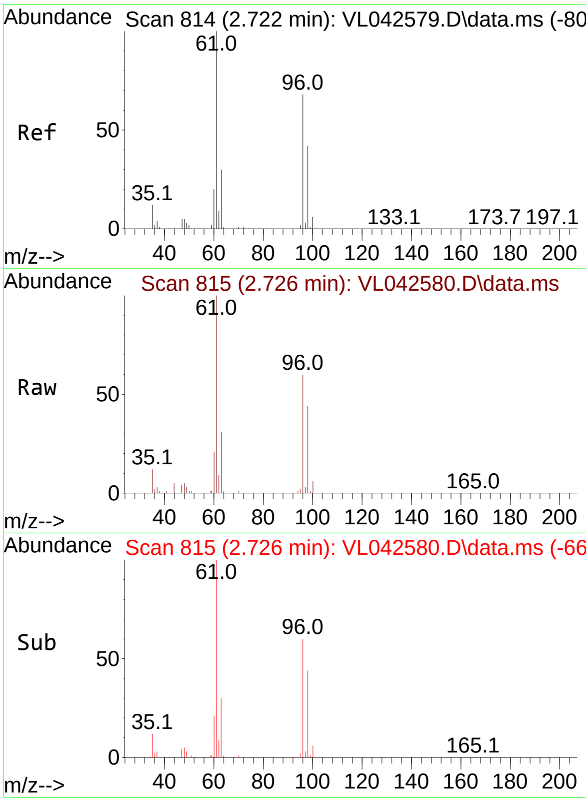


#30
Cyclohexane
Concen: 2.075 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 84 Resp: 27030

Ion	Ratio	Lower	Upper
84	100		
56	126.0	103.7	155.5
41	85.5	65.1	97.7



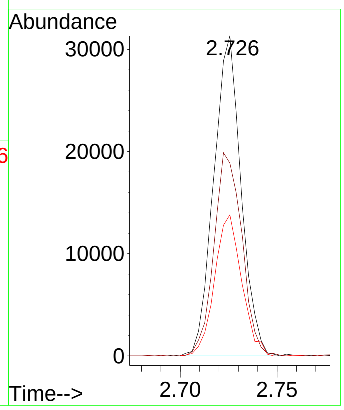


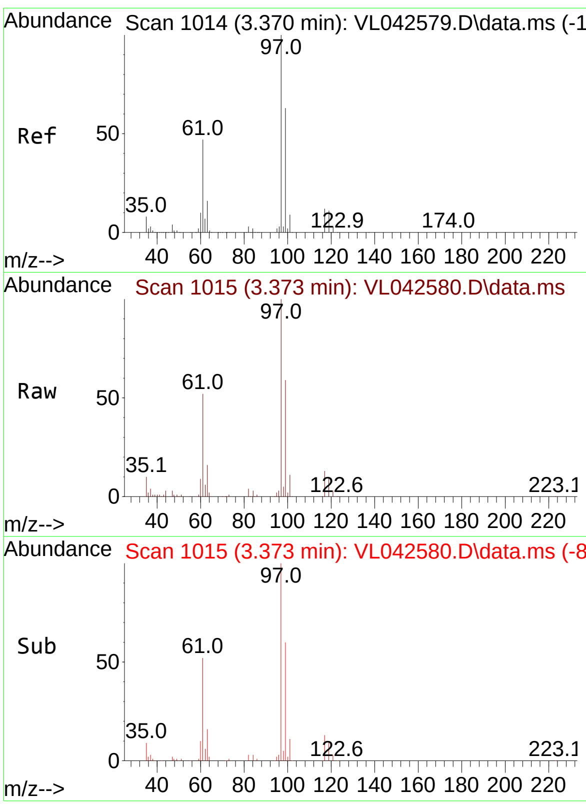
#31
cis-1,2-Dichloroethene
Concen: 2.138 ppbv
RT: 2.726 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 30737

Ion	Ratio	Lower	Upper
61	100		
96	60.3	54.5	81.7
98	44.1	33.4	50.2

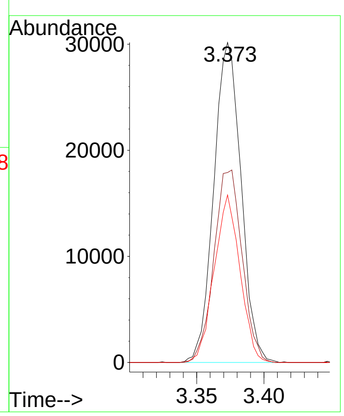


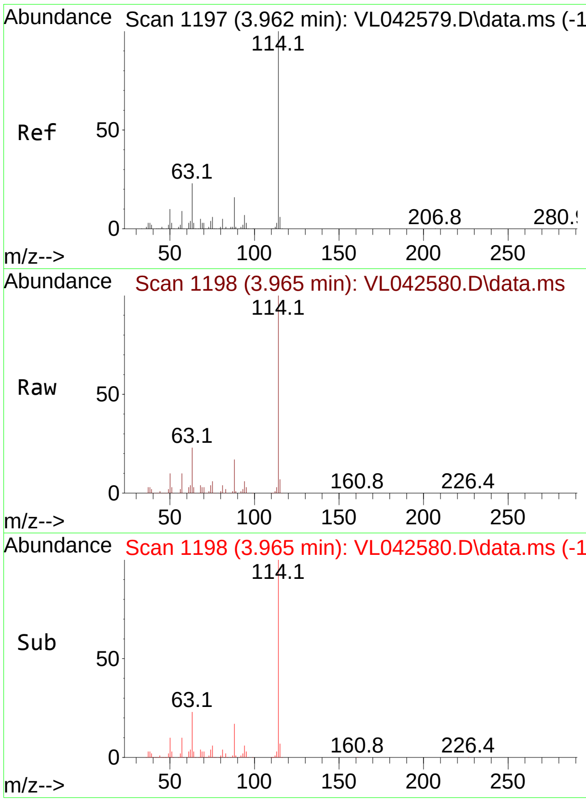


#32
1,1,1-Trichloroethane
Concen: 2.077 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 97 Resp: 42588

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.0	76.6
61	49.5	39.4	59.0



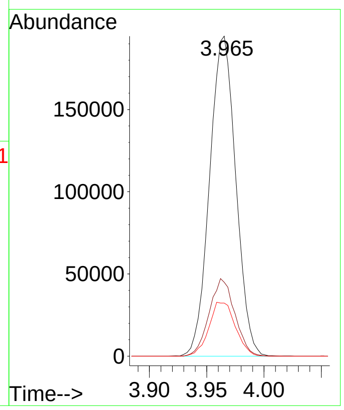


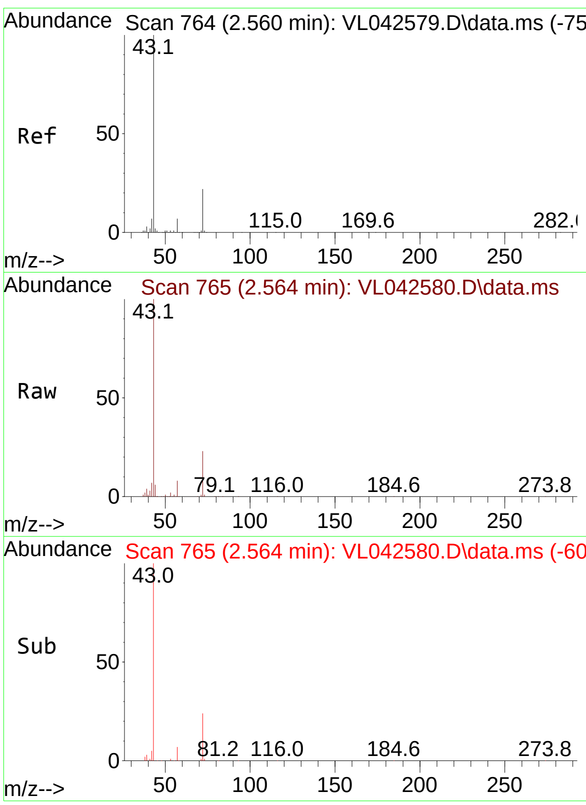
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 310090

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.0	28.6
88	17.1	13.6	20.4

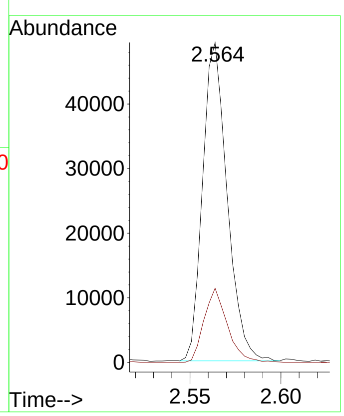


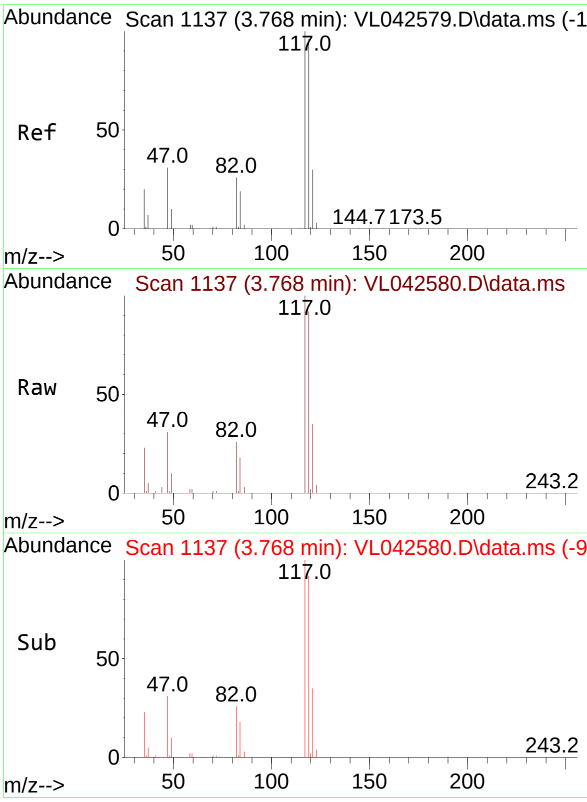


#34
2-Butanone
Concen: 2.093 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 46279

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.7	26.5





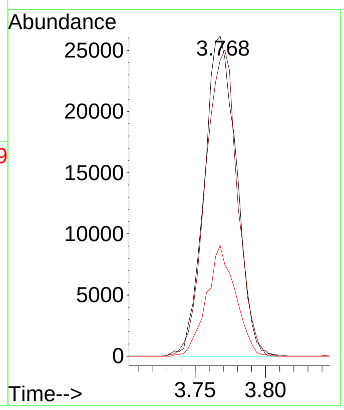
#35
Carbon Tetrachloride
Concen: 2.029 ppbv
RT: 3.768 min   Scan# 1

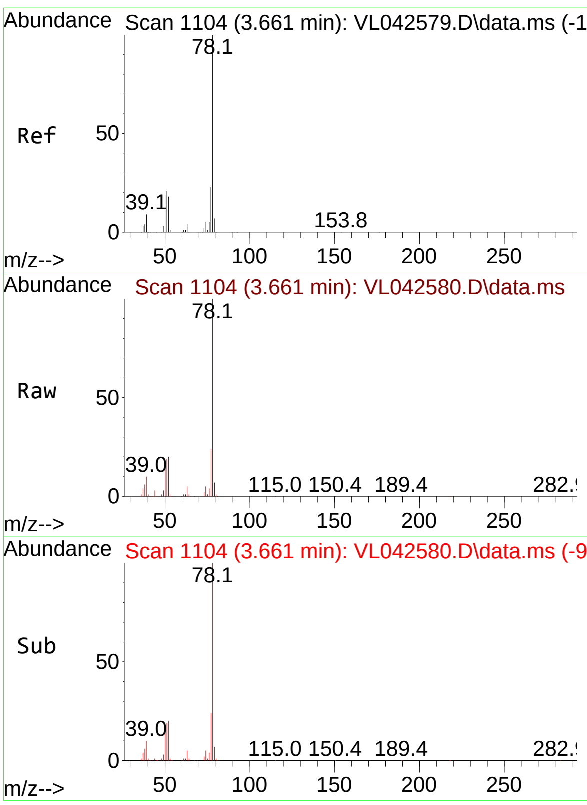
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:117 Resp: 41545

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.8	115.2
121	34.6	24.3	36.5

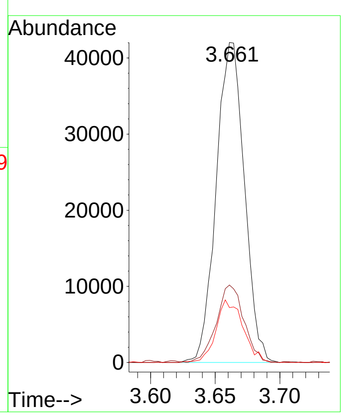


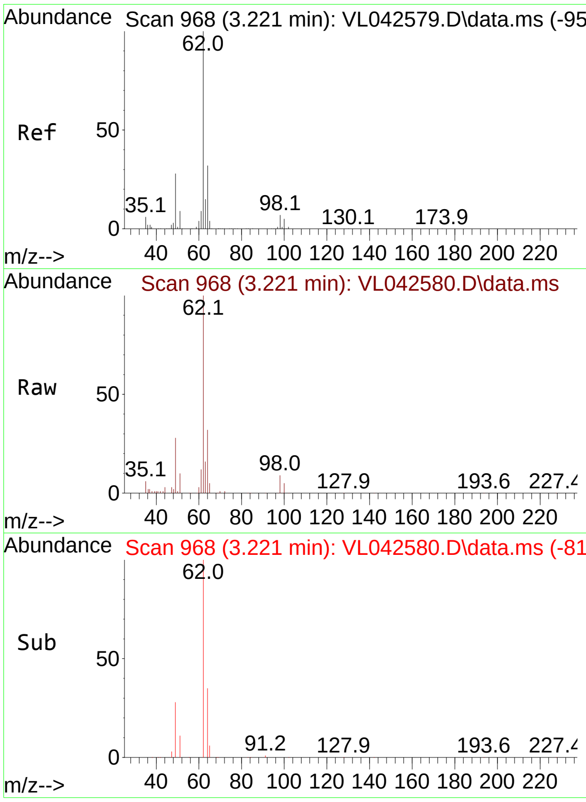


#36
Benzene
Concen: 2.086 ppbv
RT: 3.661 min   Scan# 1104
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 78 Resp: 63709

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.2
50	17.2	15.2	22.8



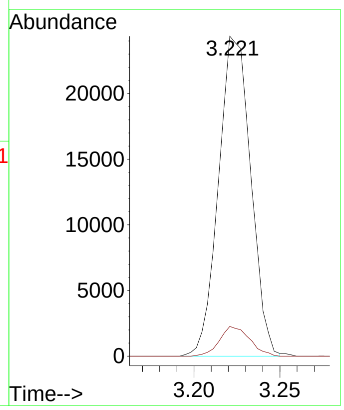


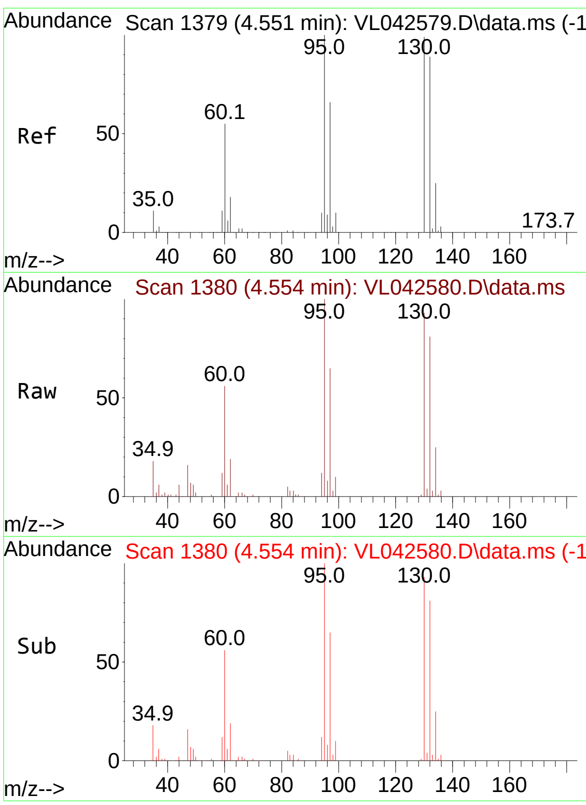
#37
1,2-Dichloroethane
Concen: 2.097 ppbv
RT: 3.221 min   Scan# 9
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 31831

Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.1	9.1

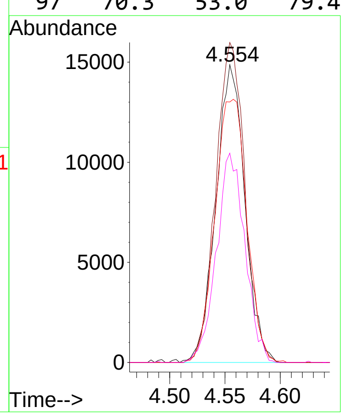


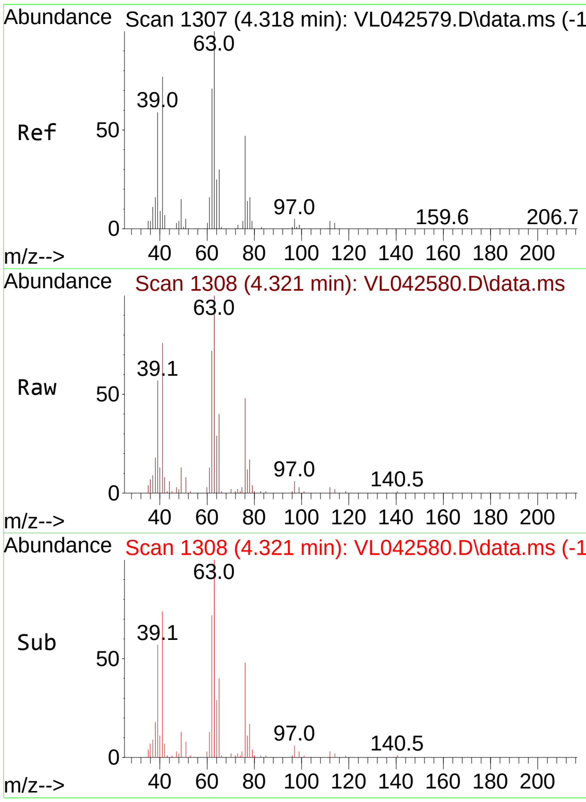


#38
Trichloroethene
Concen: 2.075 ppbv
RT: 4.554 min   Scan# 1380
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:130 Resp: 27139

Ion	Ratio	Lower	Upper
130	100		
95	107.5	80.6	121.0
132	87.5	71.8	107.6
97	70.3	53.0	79.4



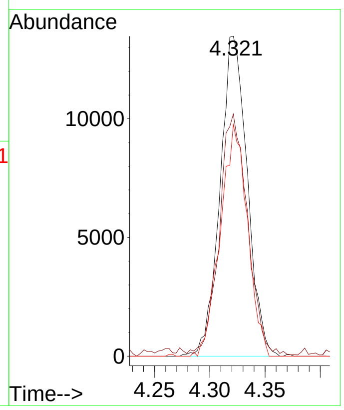


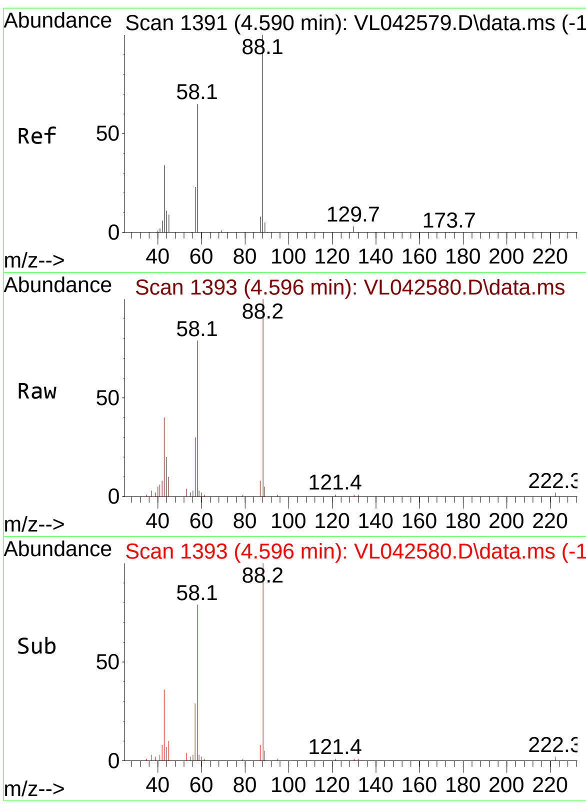
#39
1,2-Dichloropropane
Concen: 2.050 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 23145

Ion	Ratio	Lower	Upper
63	100		
41	74.8	61.8	92.6
62	72.4	56.6	85.0

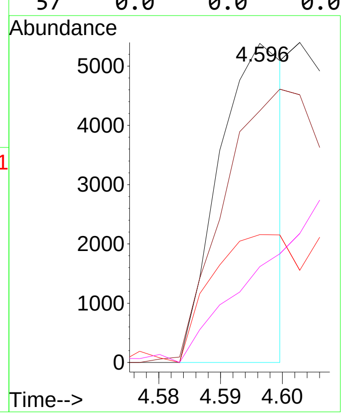


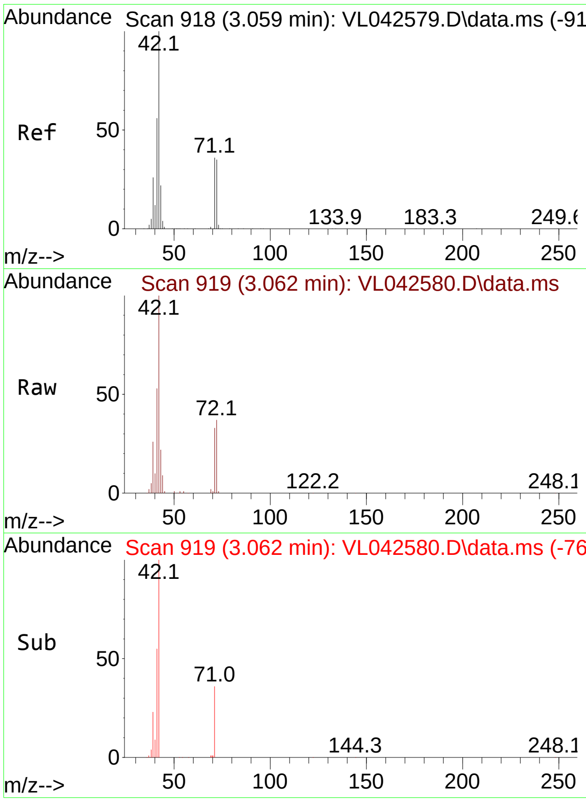


#40
1,4-Dioxane
Concen: 0.819 ppbv
RT: 4.596 min Scan# 1393
Delta R.T. 0.007 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 88 Resp: 3930

Ion	Ratio	Lower	Upper
88	100		
58	348.0	55.8	83.8#
43	0.0	24.8	37.2#
57	0.0	0.0	0.0





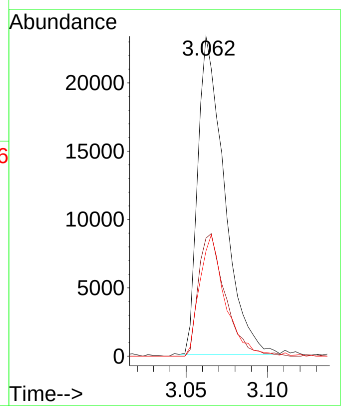
#41
Tetrahydrofuran
Concen: 2.039 ppbv
RT: 3.062 min Scan# 9

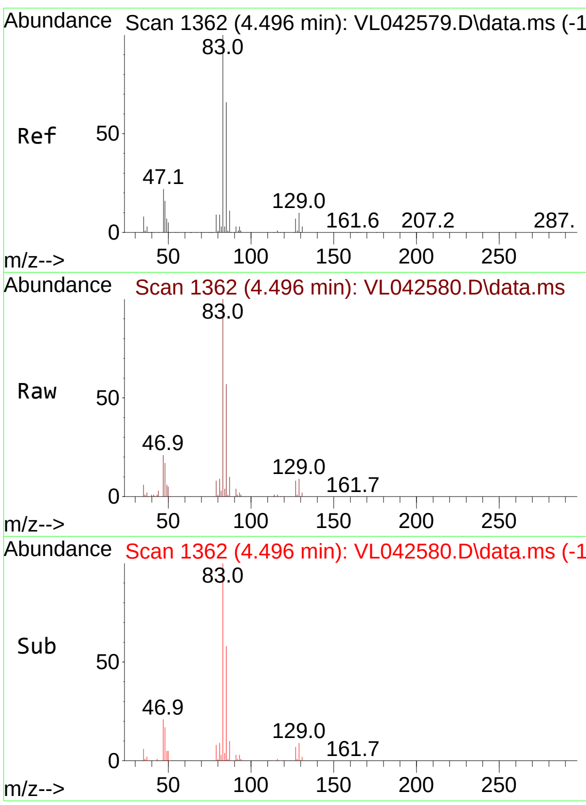
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 42 Resp: 26391

Ion	Ratio	Lower	Upper
42	100		
72	39.2	28.9	43.3
71	37.1	28.5	42.7

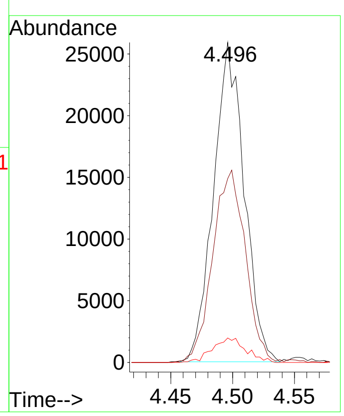


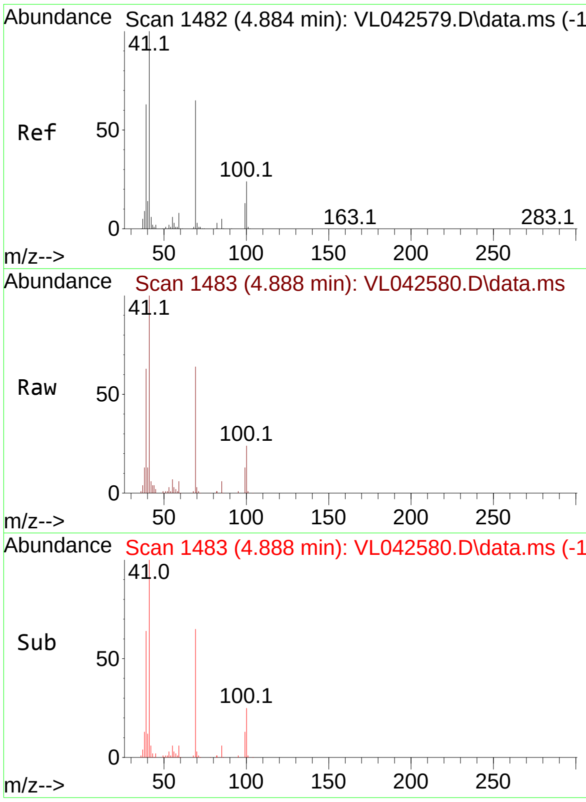


#42
Bromodichloromethane
Concen: 2.074 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 83 Resp: 44705

Ion	Ratio	Lower	Upper
83	100		
85	57.1	52.7	79.1
127	7.7	5.8	8.6



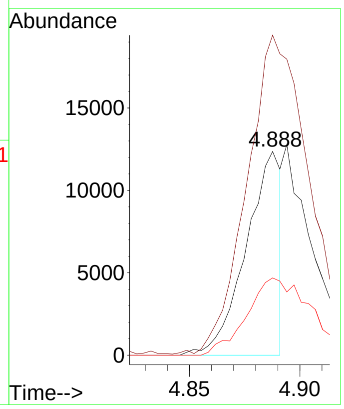


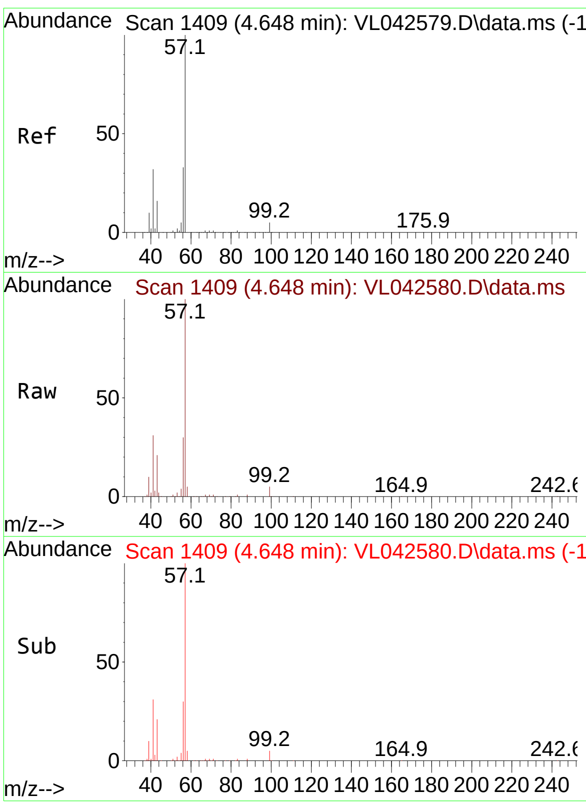
#43
Methyl Methacrylate
Concen: 1.148 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 13583

Ion	Ratio	Lower	Upper
69	100		
41	283.6	124.6	187.0#
100	69.7	29.9	44.9#

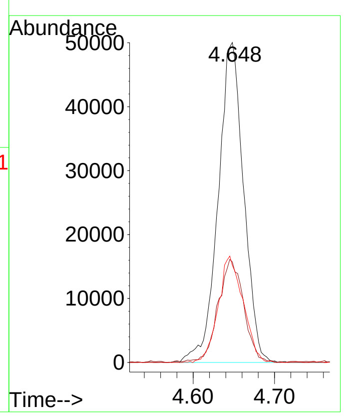


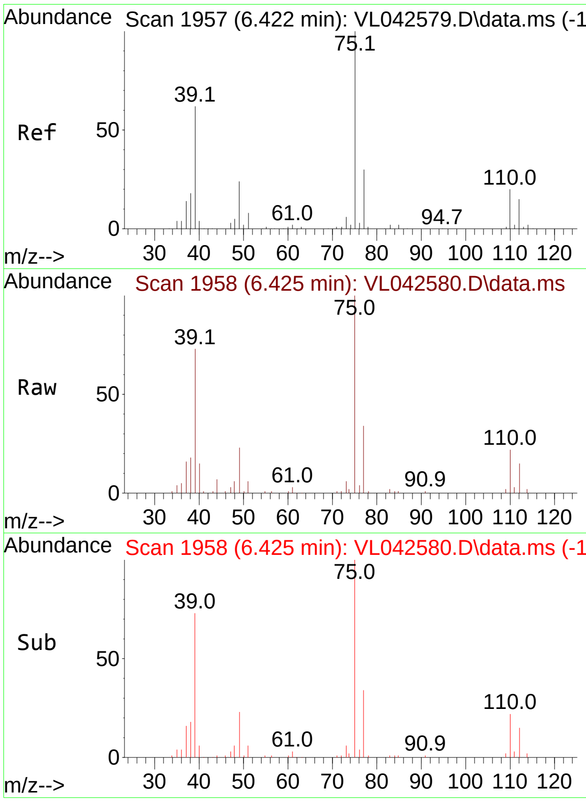


#44
2,2,4-Trimethylpentane
Concen: 2.097 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 57 Resp: 109446

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.1	39.1
56	32.4	25.9	38.9



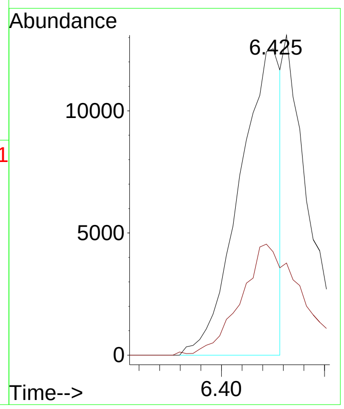


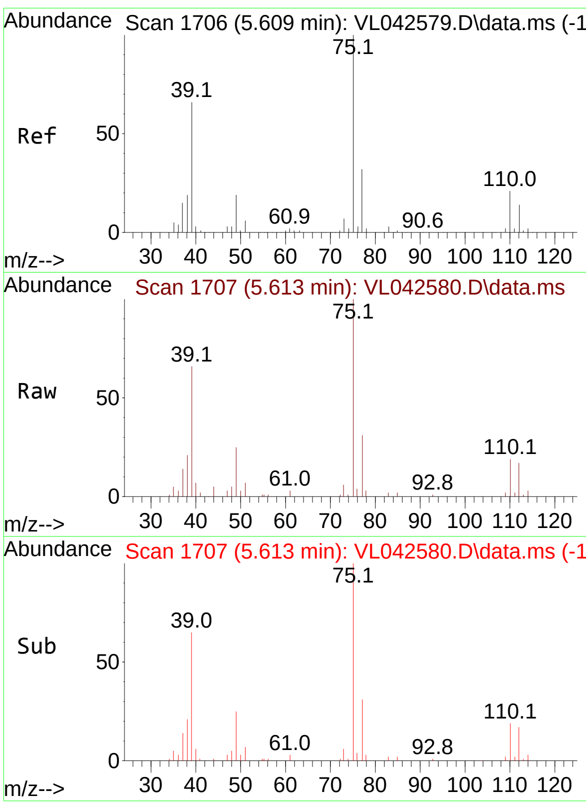
#45
t-1,3-Dichloropropene
Concen: 1.281 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 17372

Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.2	36.2

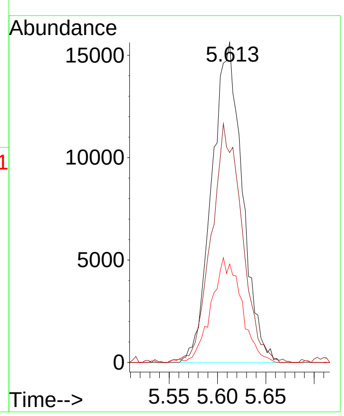


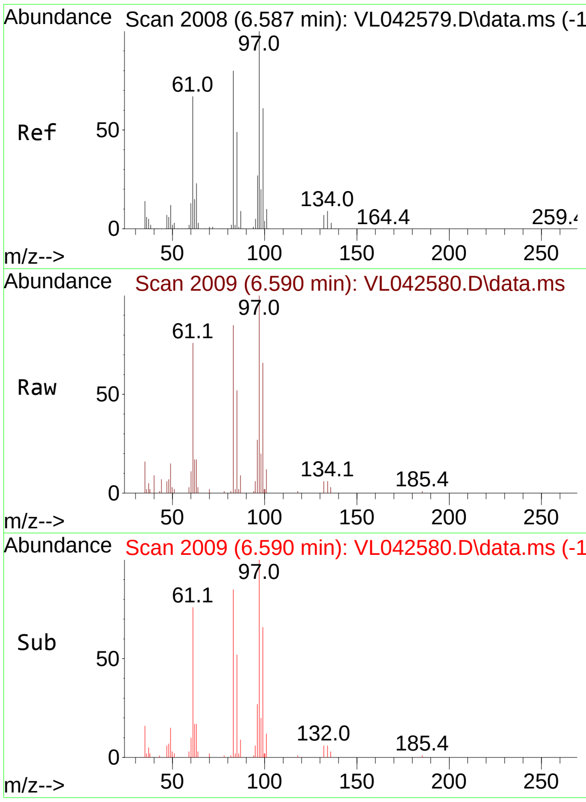


#46
cis-1,3-Dichloropropene
Concen: 2.027 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 75 Resp: 34445

Ion	Ratio	Lower	Upper
75	100		
39	64.9	52.7	79.1
77	30.7	25.8	38.8



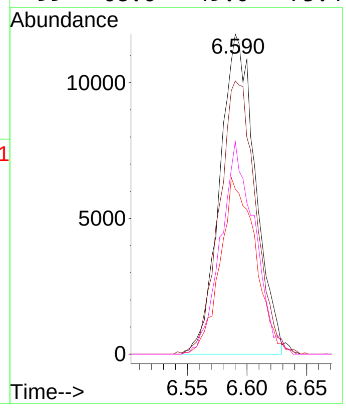


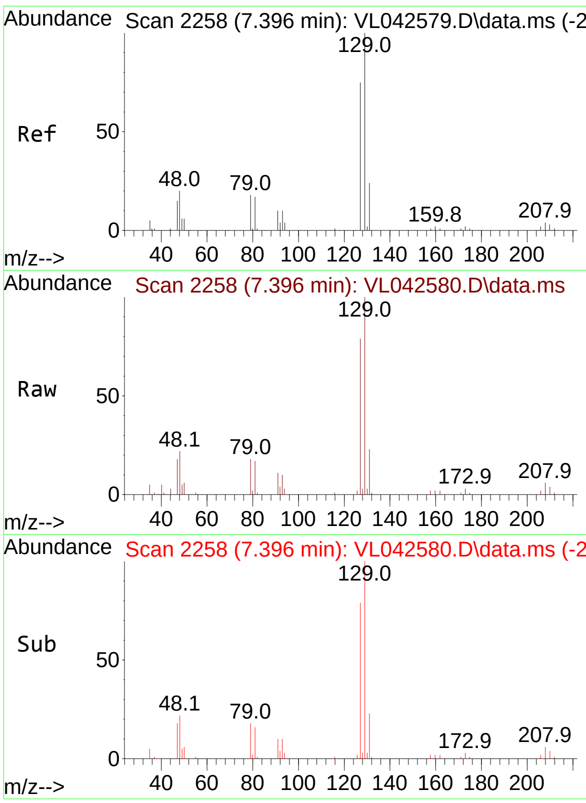
#47
1,1,2-Trichloroethane
Concen: 2.092 ppbv
RT: 6.590 min Scan# 2(
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 24455

Ion	Ratio	Lower	Upper
97	100		
83	84.9	63.9	95.9
85	51.7	39.2	58.8
99	68.6	49.0	73.4

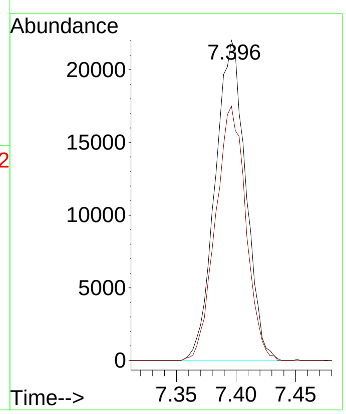


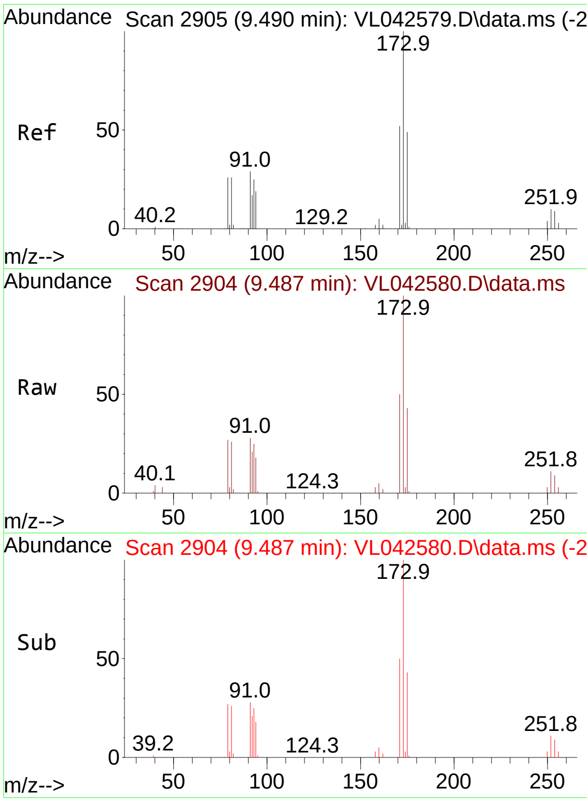


#48
Dibromochloromethane
Concen: 2.103 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:129 Resp: 39361

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	116.9



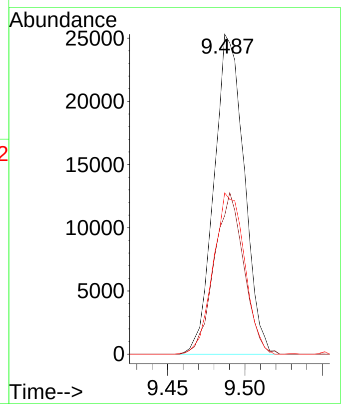


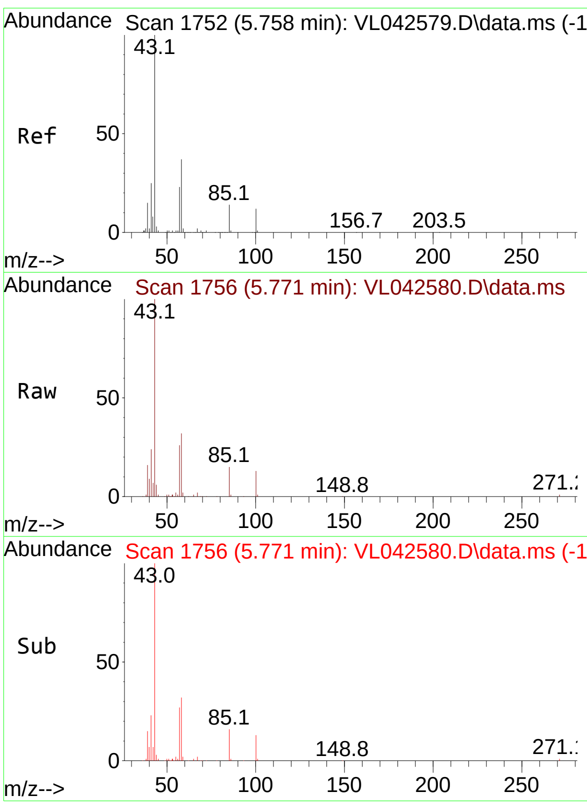
#49
Bromoform
Concen: 2.122 ppbv
RT: 9.487 min   Scan# 29
Delta R.T.   -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 34270

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.7	58.1
171	52.5	41.2	61.8

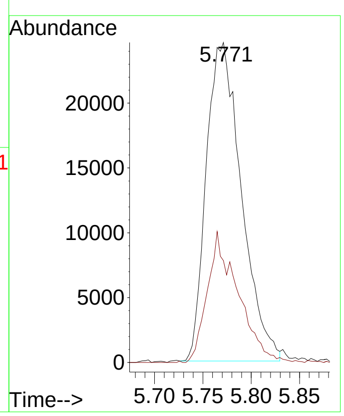


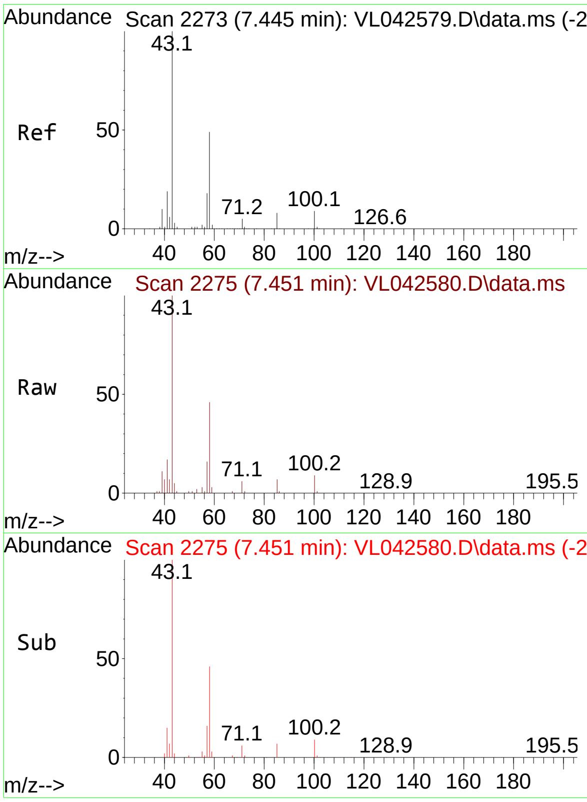


#50
4-Methyl-2-Pentanone
Concen: 2.018 ppbv
RT: 5.771 min   Scan# 1756
Delta R.T.   0.013 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion: 43 Resp: 62167

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.3	42.5



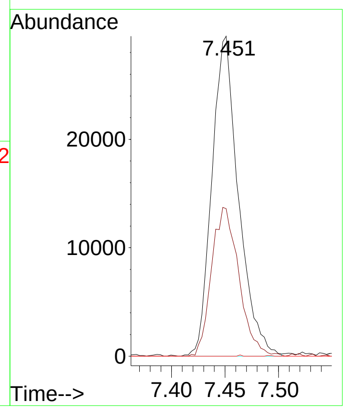


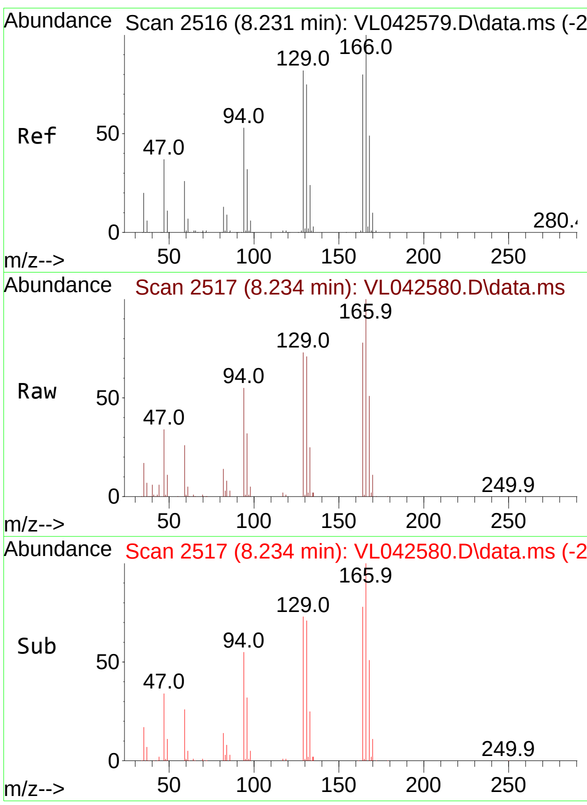
#51
2-Hexanone
Concen: 2.100 ppbv
RT: 7.451 min   Scan# 2
Delta R.T.   0.007 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 51074

Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.9	59.9
98	0.0	0.1	0.1#

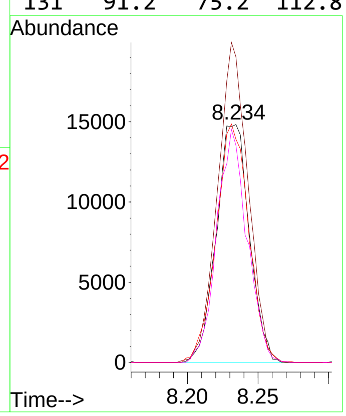


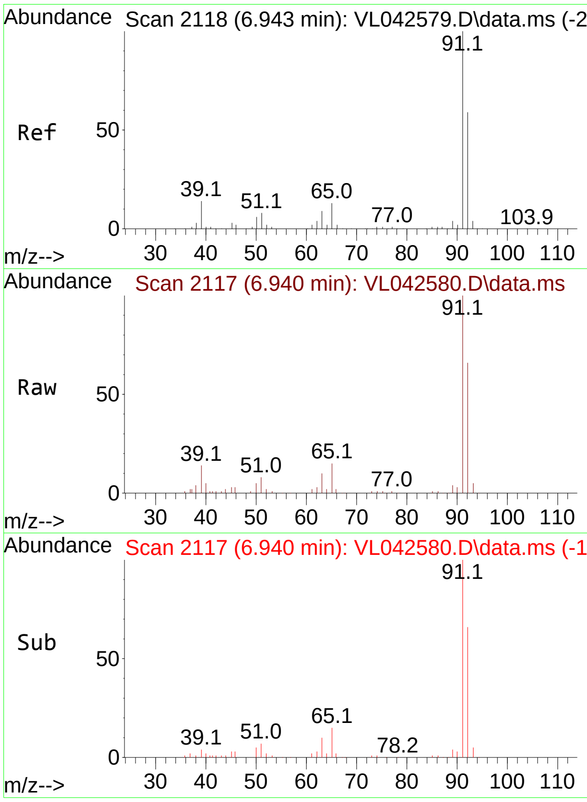


#52
Tetrachloroethene
Concen: 2.121 ppbv
RT: 8.234 min   Scan# 2517
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:164 Resp: 24205

Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.0	150.0
129	93.8	82.2	123.4
131	91.2	75.2	112.8



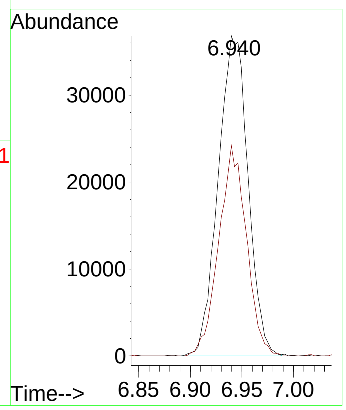


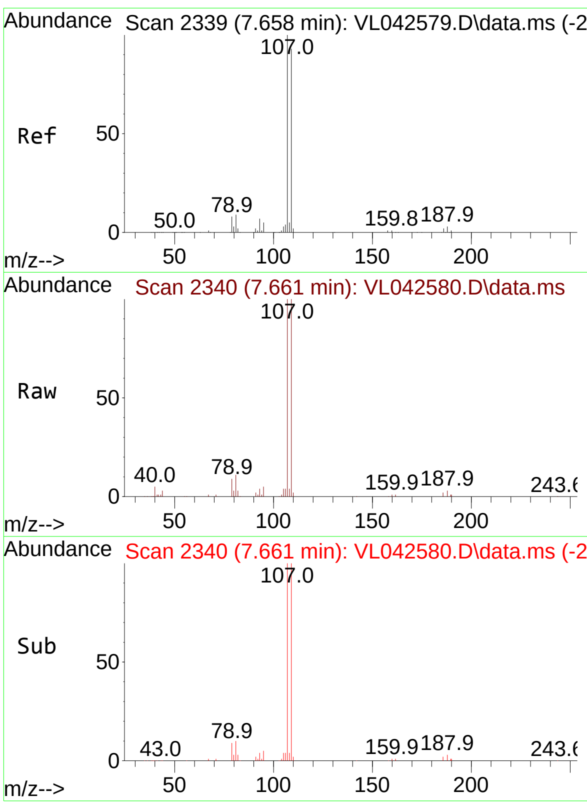
#53
Toluene
Concen: 2.104 ppbv
RT: 6.940 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 74240

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.4

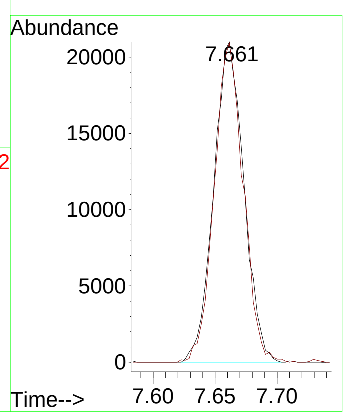


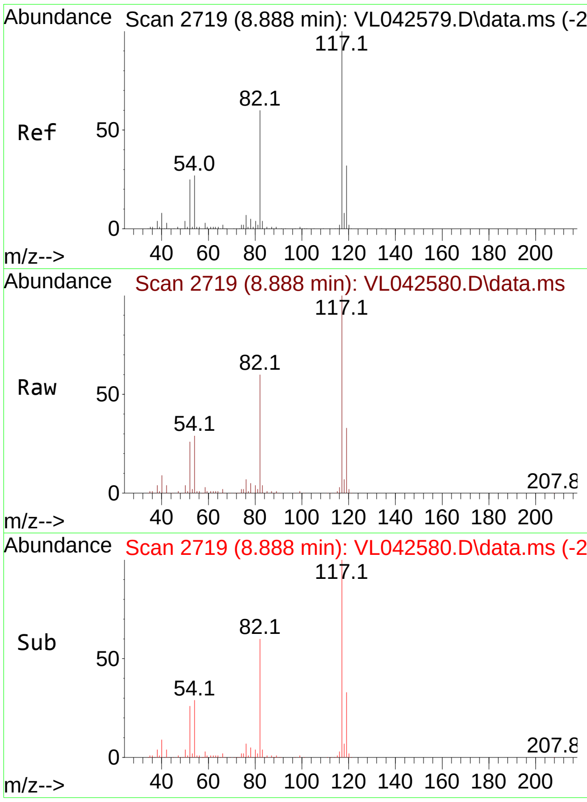


#54
1,2-Dibromoethane
Concen: 2.063 ppbv
RT: 7.661 min   Scan# 2340
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:107 Resp: 35750

Ion	Ratio	Lower	Upper
107	100		
109	99.0	74.3	111.5



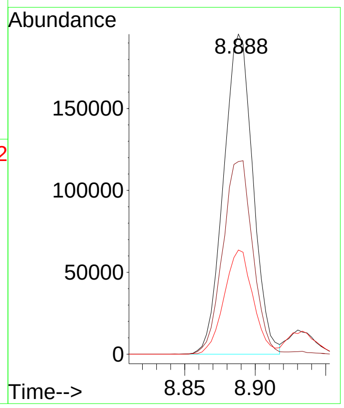


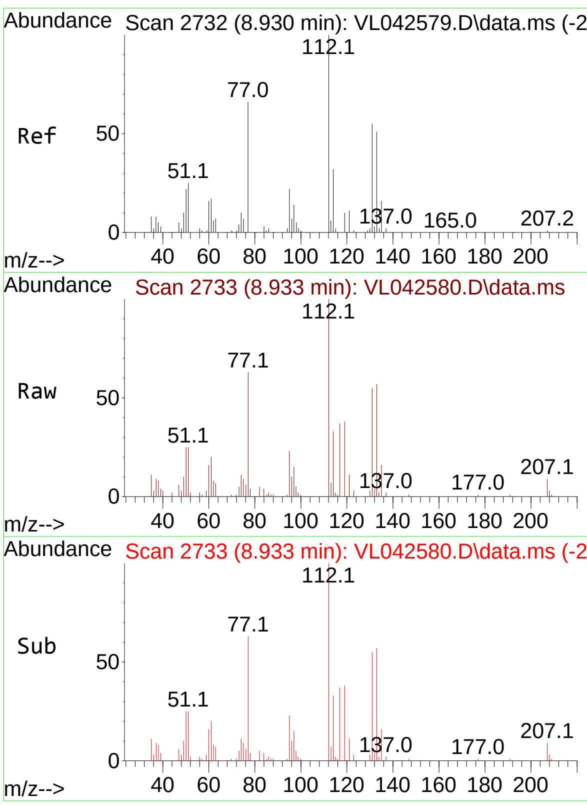
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 284199

Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.2	76.8
119	32.8	26.3	39.5

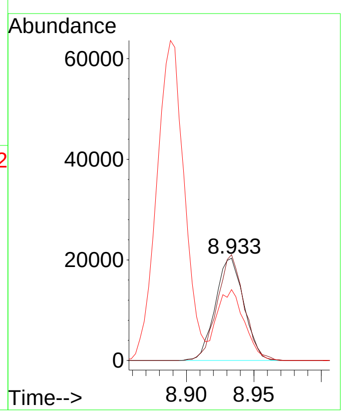


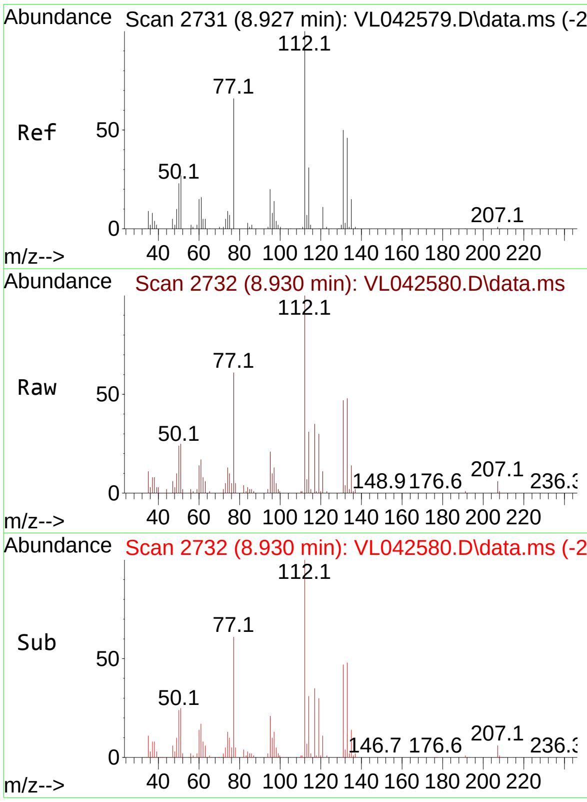


#56
1,1,1,2-Tetrachloroethane
Concen: 2.101 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:131 Resp: 30026

Ion	Ratio	Lower	Upper
131	100		
133	97.4	75.0	112.6
119	64.5	50.8	76.2



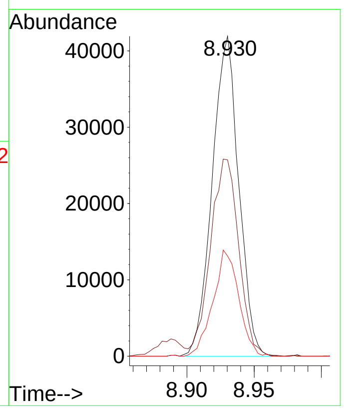


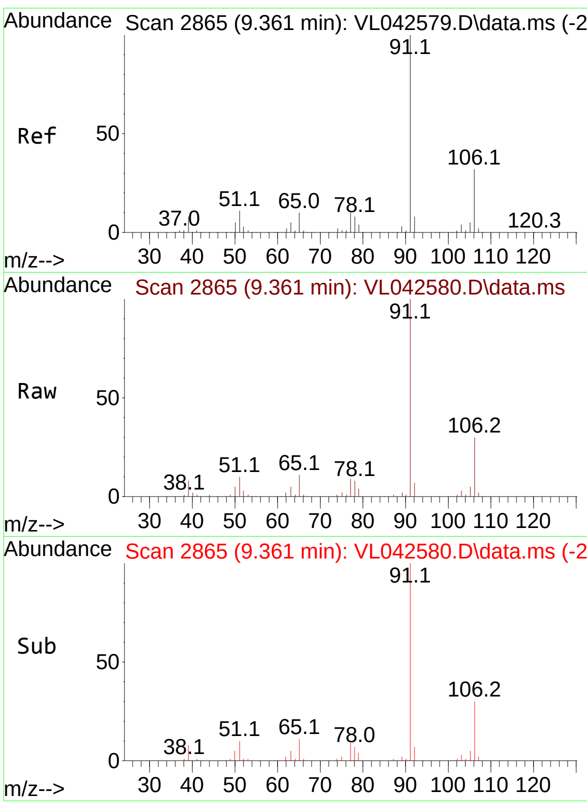
#57
Chlorobenzene
Concen: 2.088 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 57617

Ion	Ratio	Lower	Upper
112	100		
77	61.2	53.5	80.3
114	31.3	27.8	34.0

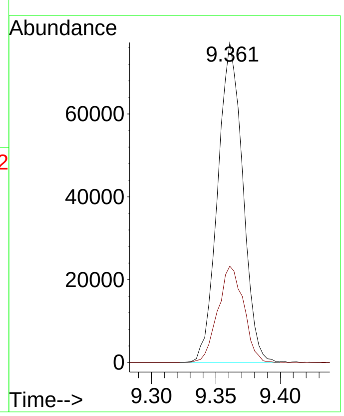


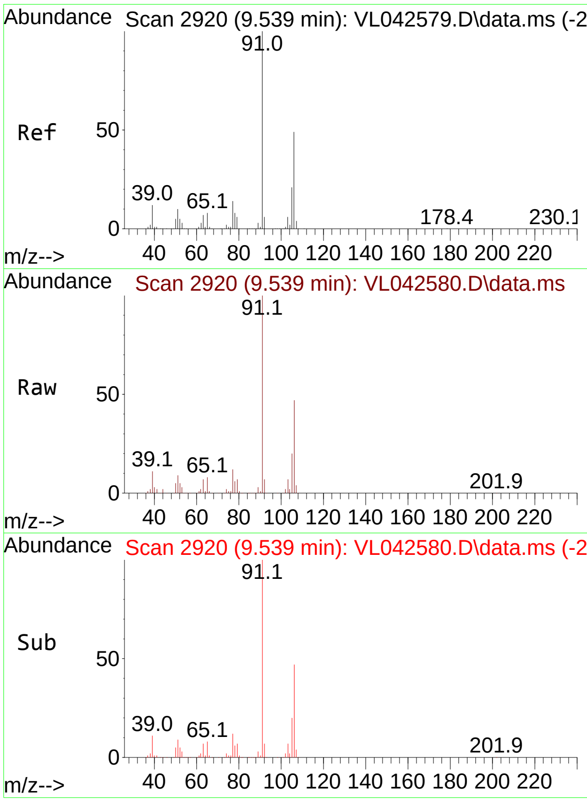


#58
Ethyl Benzene
Concen: 2.161 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 104171

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.9	38.9



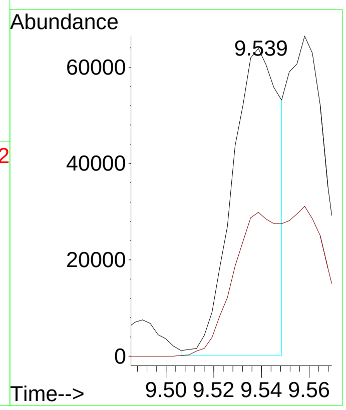


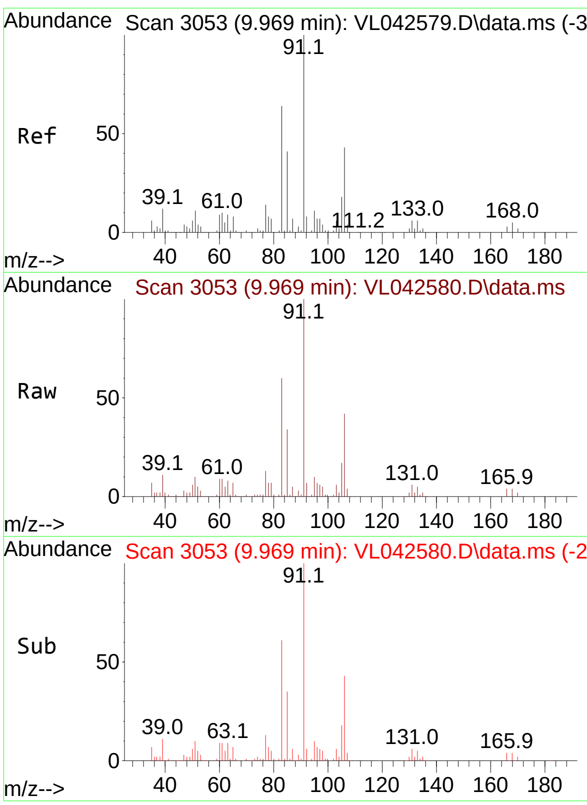
#59
m/p-Xylene
Concen: 2.309 ppbv
RT: 9.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 87626

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

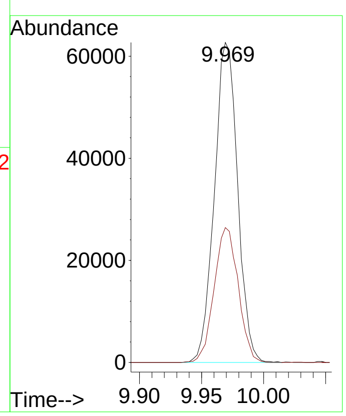


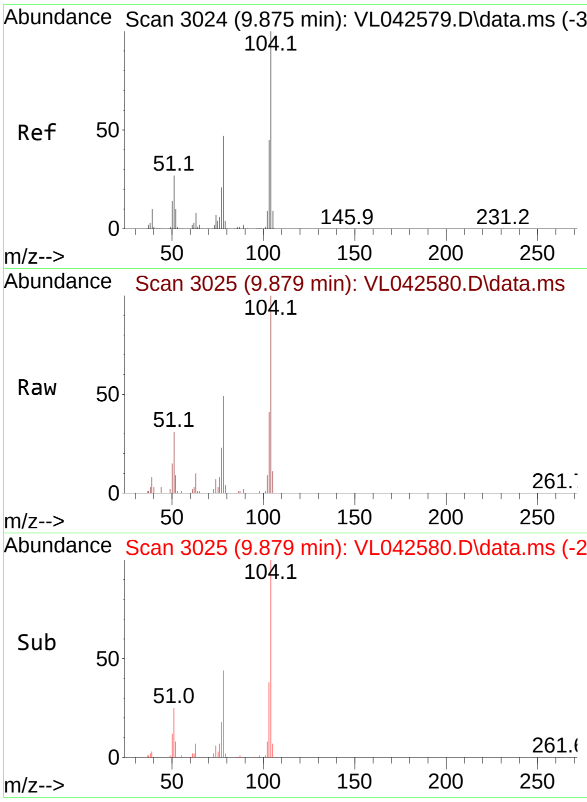


#60
o-Xylene
Concen: 2.164 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 81886

Ion	Ratio	Lower	Upper
91	100		
106	43.6	22.9	68.5



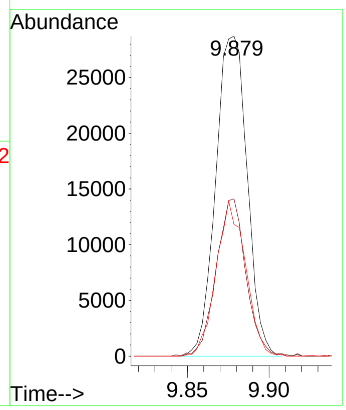


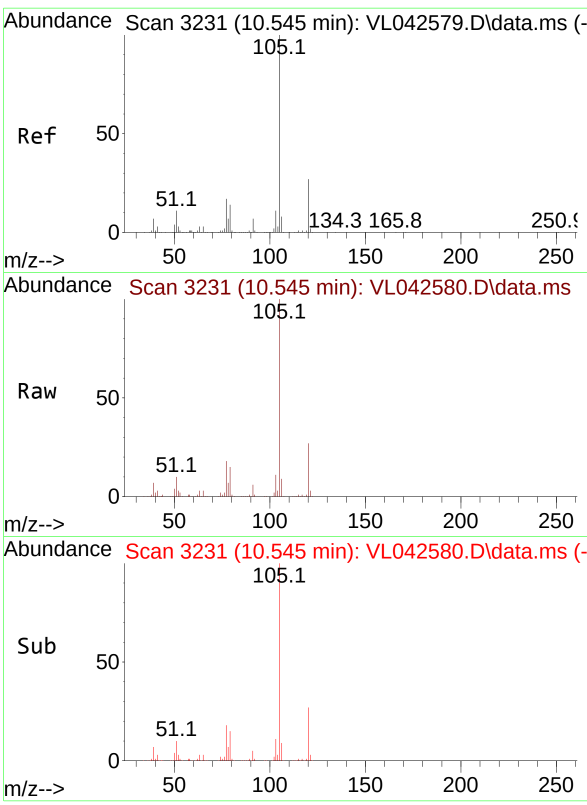
#61
Styrene
Concen: 2.154 ppbv
RT: 9.879 min   Scan# 3
Delta R.T.   0.003 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 38542

Ion	Ratio	Lower	Upper
104	100		
78	46.5	38.2	57.4
103	45.3	36.7	55.1

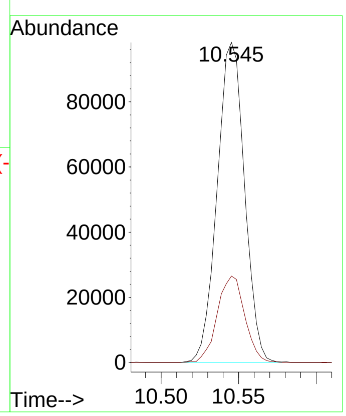


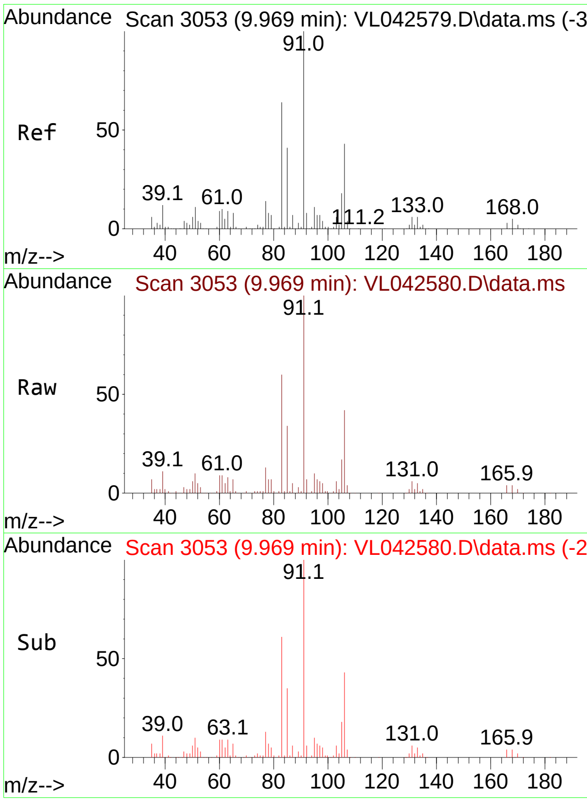


#62
Isopropylbenzene
Concen: 2.157 ppbv
RT: 10.545 min   Scan# 3231
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025   11:43

Tgt Ion:105 Resp: 120576

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.9	31.3



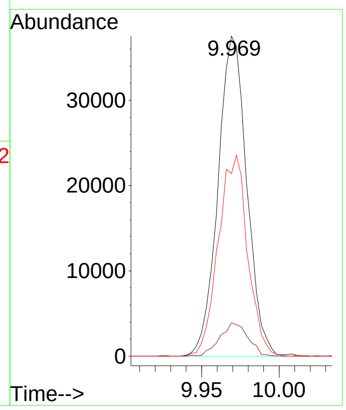


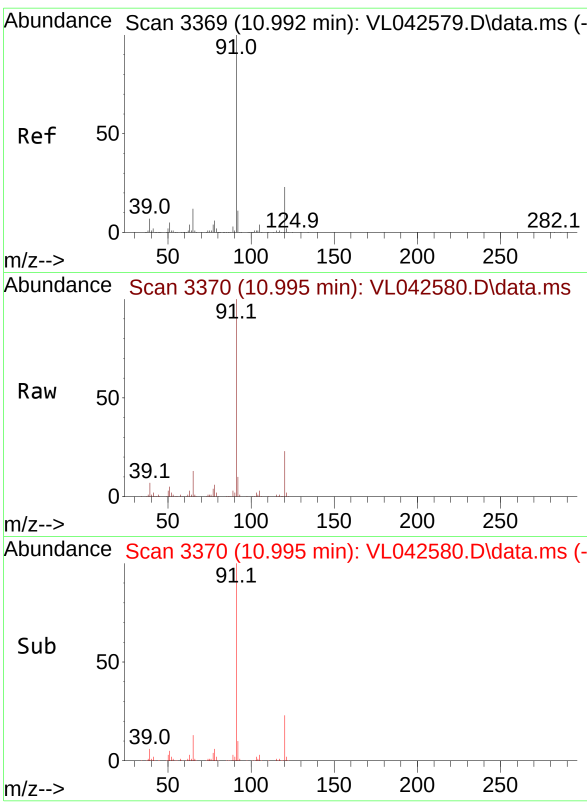
#63
1,1,2,2-Tetrachloroethane
Concen: 2.020 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 48590

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	63.8	32.5	97.4

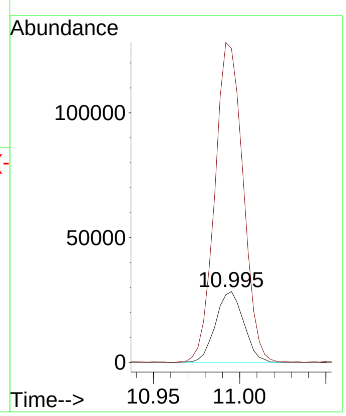


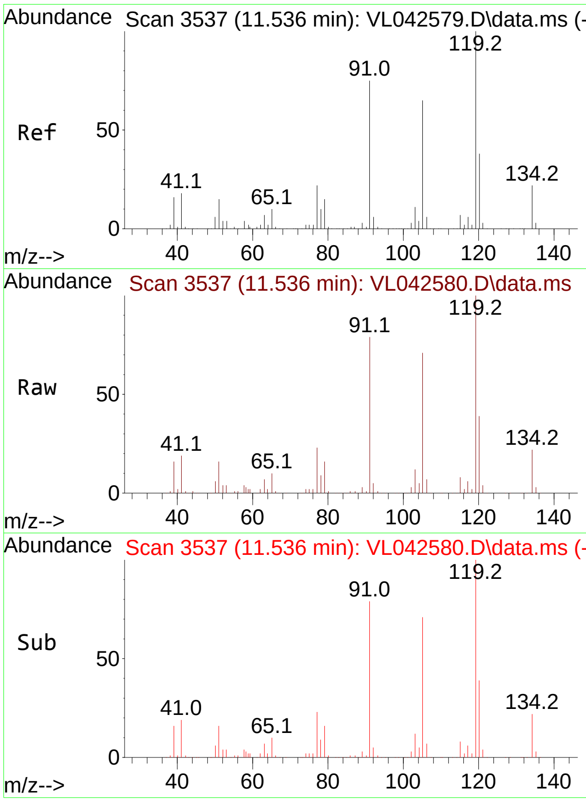


#64
n-propylbenzene
Concen: 2.163 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:120 Resp: 32406

Ion	Ratio	Lower	Upper
120	100		
91	453.9	363.0	544.6



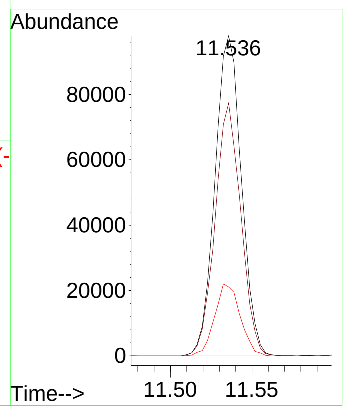


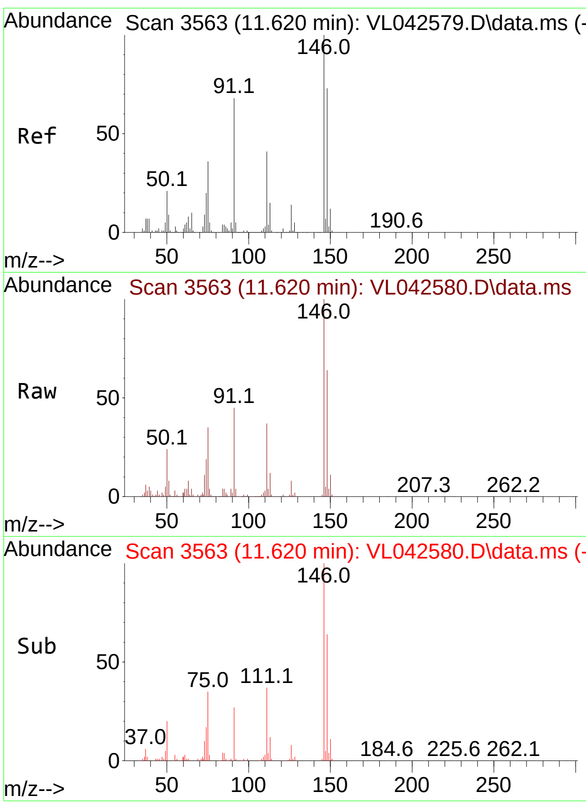
#65
tert-Butylbenzene
Concen: 2.176 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 110380

Ion	Ratio	Lower	Upper
119	100		
91	77.2	61.1	91.7
134	21.9	17.4	26.2

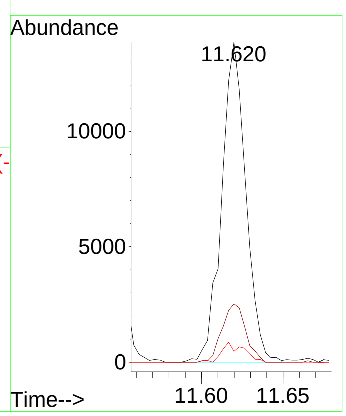


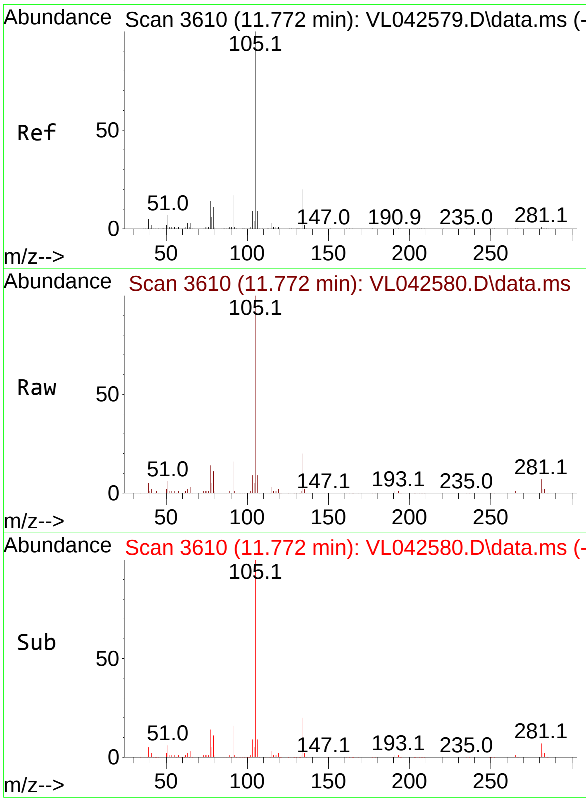


#66
Benzyl Chloride
Concen: 2.190 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 14327

Ion	Ratio	Lower	Upper
91	100		
126	17.8	15.1	22.7
128	5.7	5.0	7.6



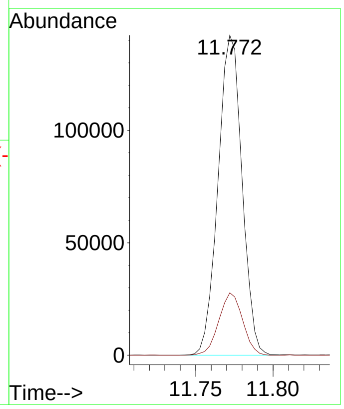


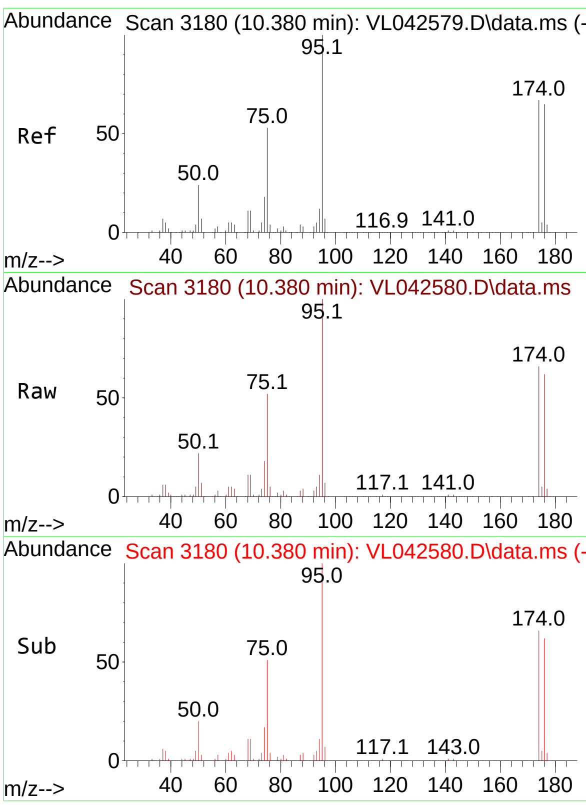
#67
sec-Butylbenzene
Concen: 2.151 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 153401

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.8	23.6

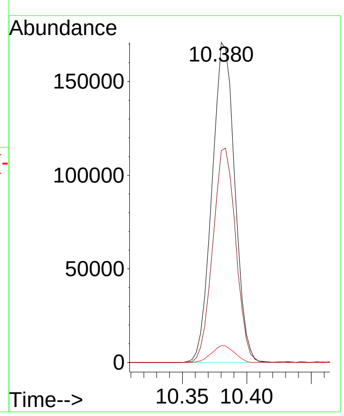


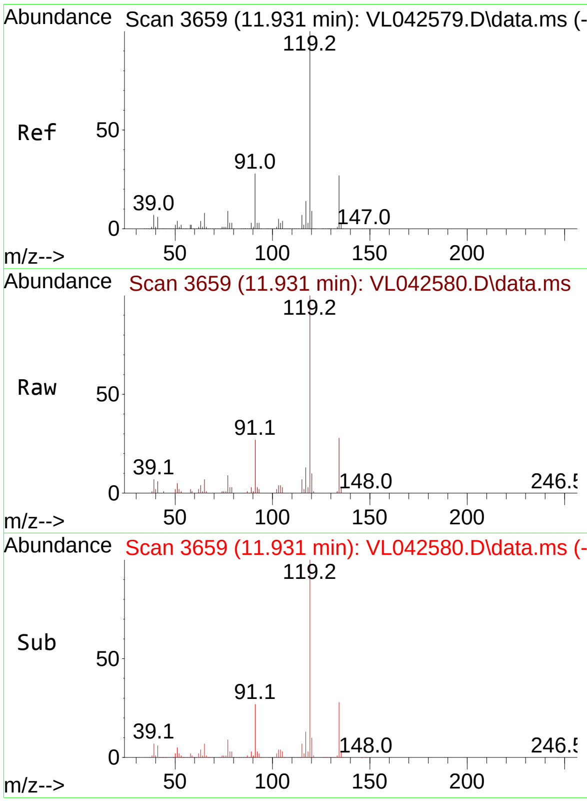


#68
1-Bromo-4-Fluorobenzene
Concen: 9.881 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 95 Resp: 210508

Ion	Ratio	Lower	Upper
95	100		
174	67.4	53.1	79.7
175	5.3	4.2	6.2



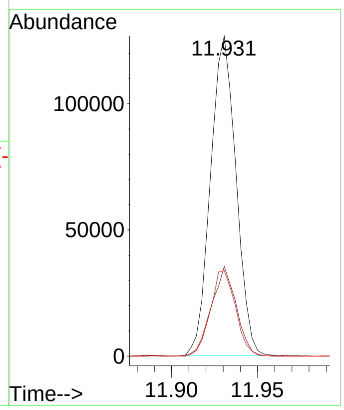


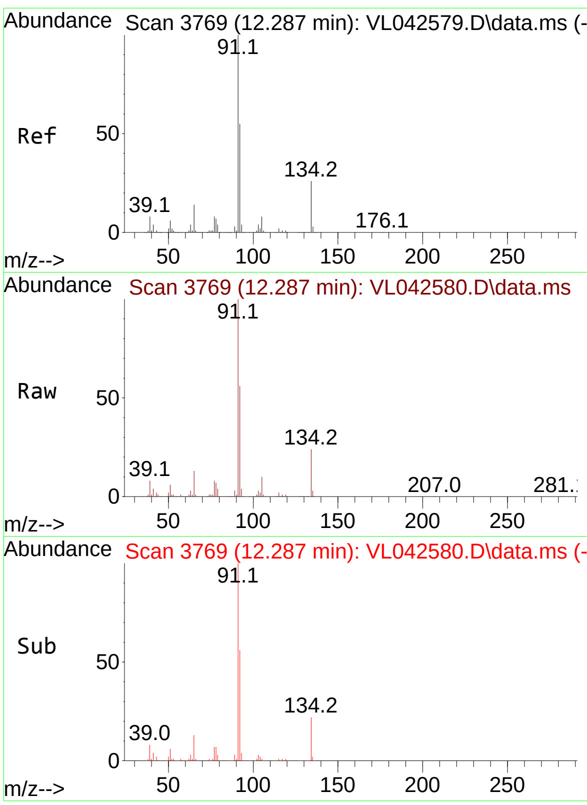
#69
p-Isopropyltoluene
Concen: 2.188 ppbv
RT: 11.931 min Scan# 3(
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 130647

Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.1	31.7
91	27.2	21.9	32.9

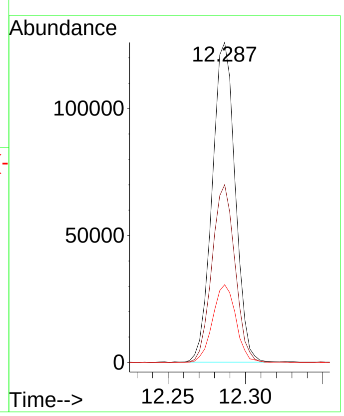


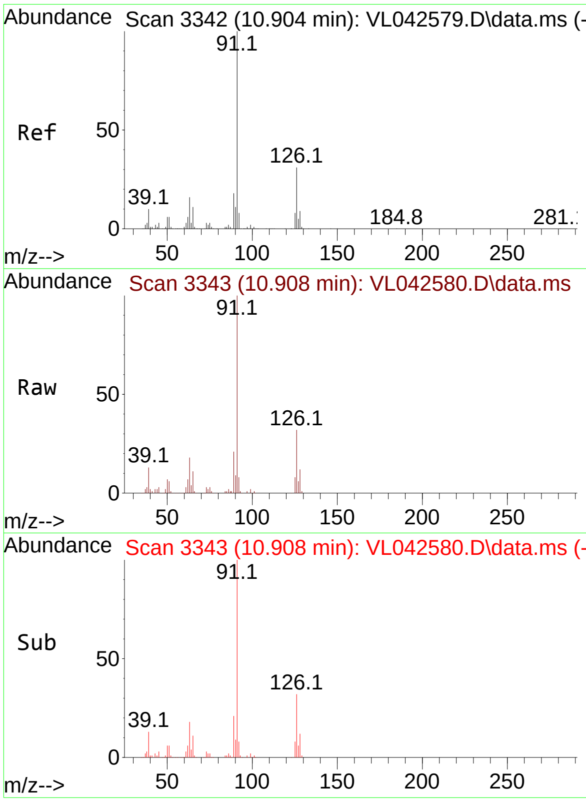


#70
n-Butylbenzene
Concen: 2.216 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 130662

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.4	66.6
134	24.6	20.1	30.1



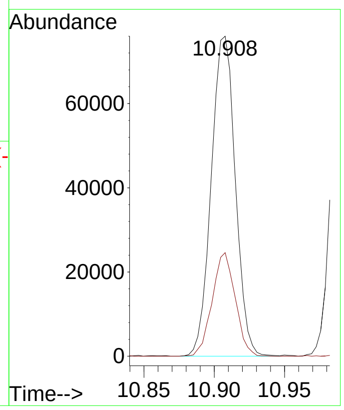


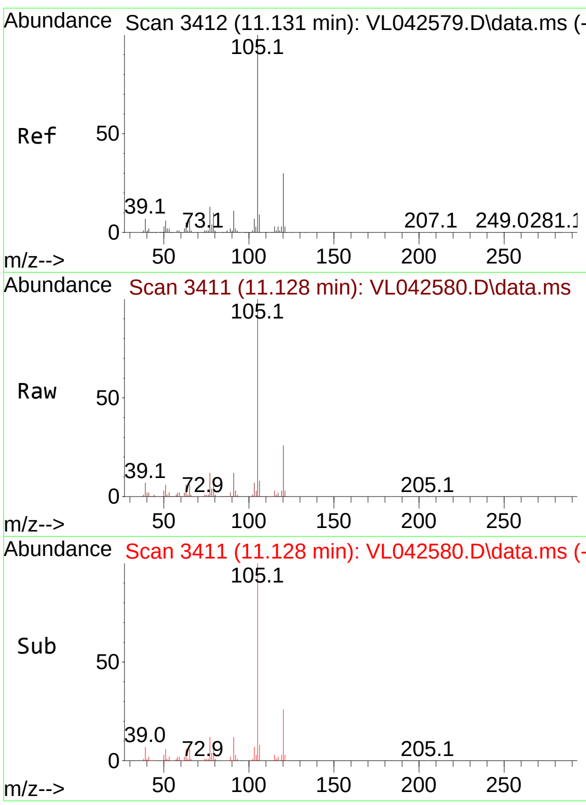
#71
2-Chlorotoluene
Concen: 2.128 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 90725

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.6	50.4

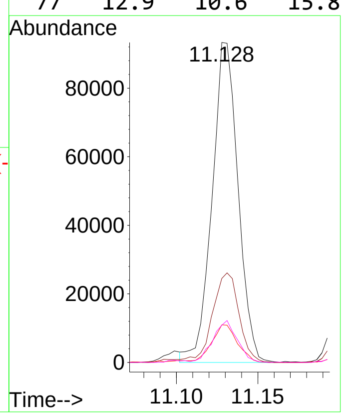


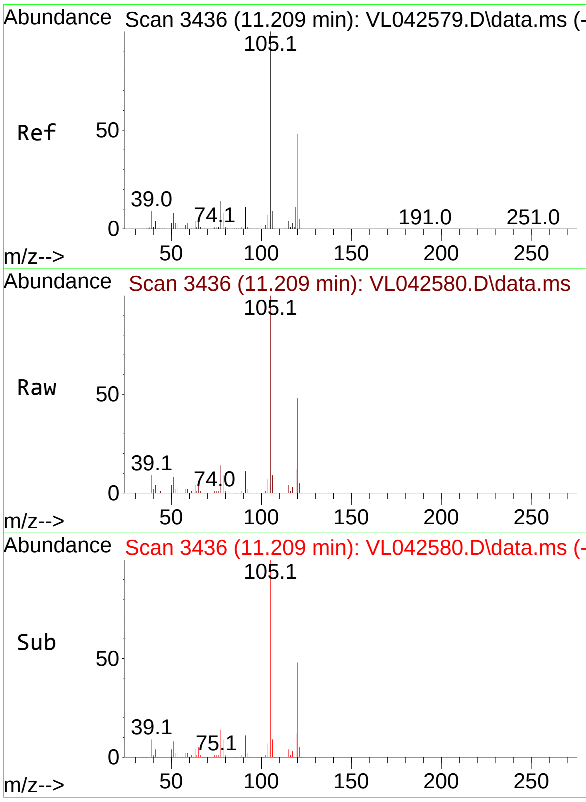


#72
4-Ethyltoluene
Concen: 2.197 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 103640

Ion	Ratio	Lower	Upper
105	100		
120	29.2	24.6	36.8
91	12.3	9.6	14.4
77	12.9	10.6	15.8



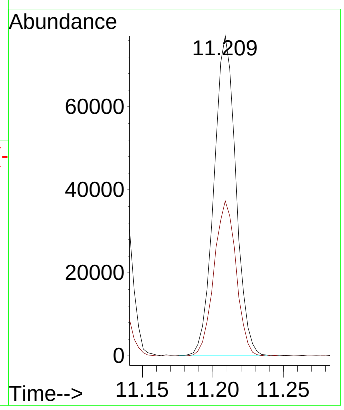


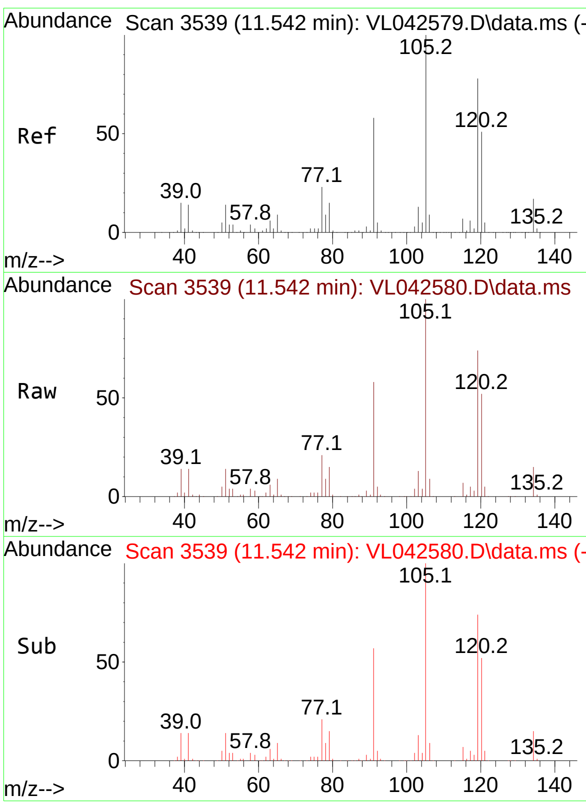
#73
1,3,5-Trimethylbenzene
Concen: 2.147 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 83829

Ion	Ratio	Lower	Upper
105	100		
120	48.5	38.8	58.2

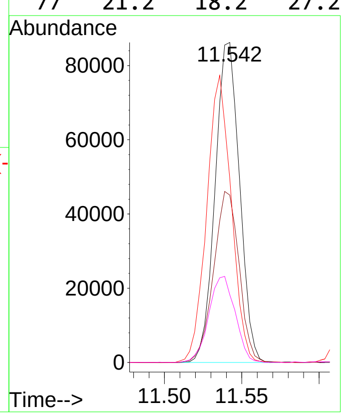


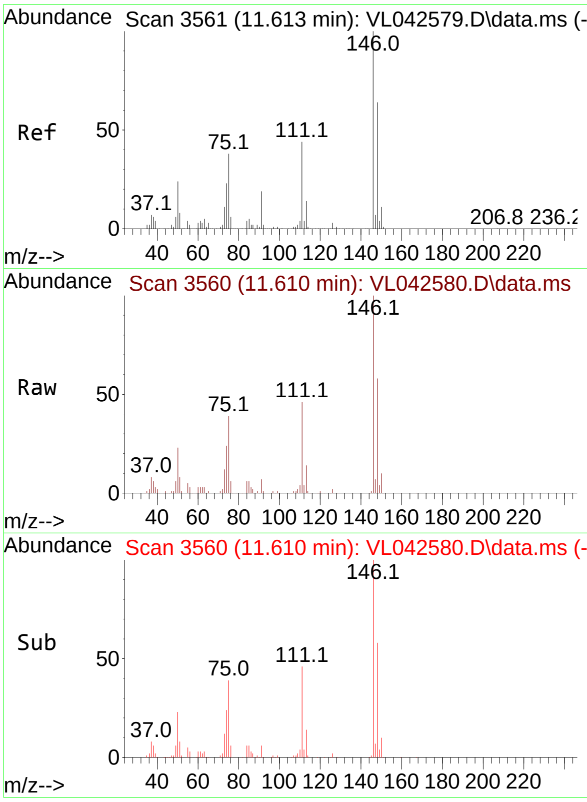


#74
1,2,4-Trimethylbenzene
Concen: 2.186 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 94716

Ion	Ratio	Lower	Upper
105	100		
120	52.3	40.8	61.2
91	57.4	46.8	70.2
77	21.2	18.2	27.2



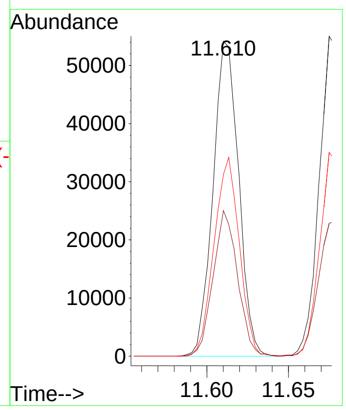


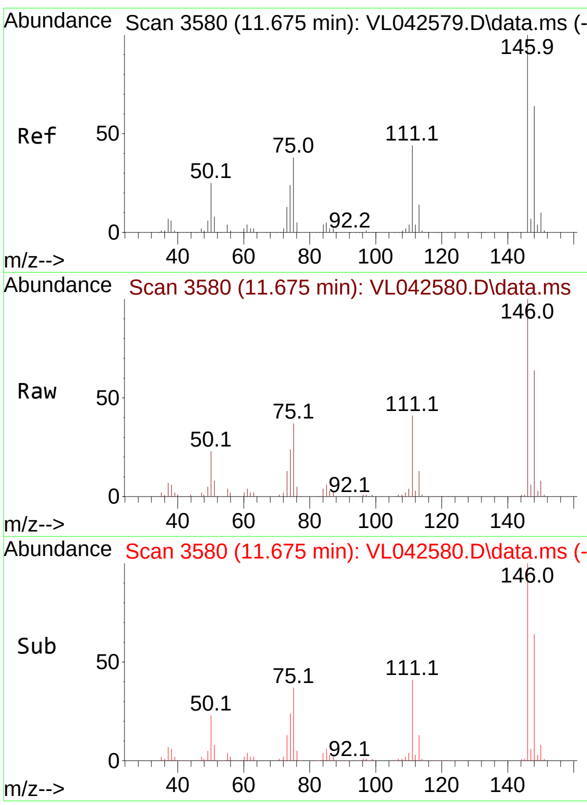
#75
1,3-Dichlorobenzene
Concen: 2.174 ppbv
RT: 11.610 min Scan# 3!
Delta R.T.   -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 59138

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.4	67.3
148	62.4	32.0	96.2

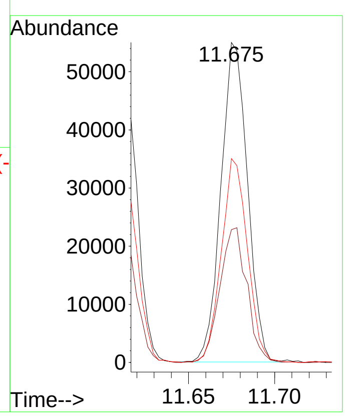


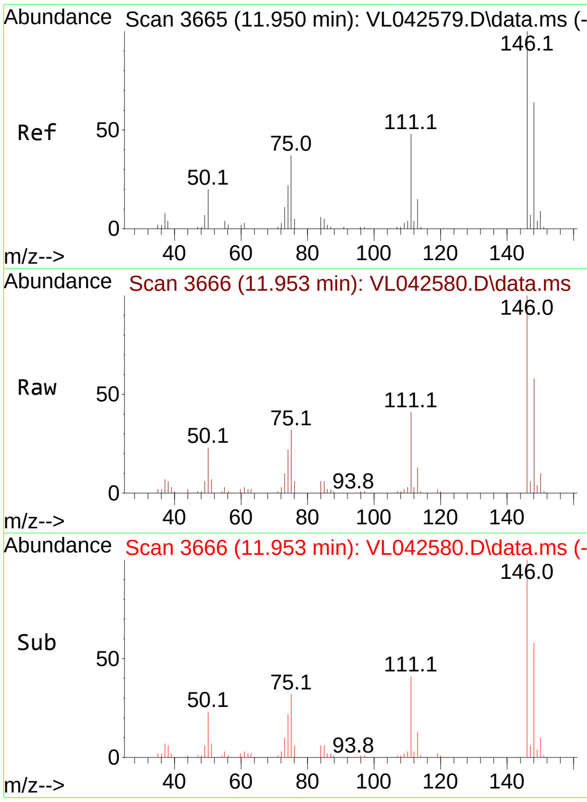


#76
1,4-Dichlorobenzene
Concen: 2.171 ppbv
RT: 11.675 min Scan# 3580
Delta R.T.   0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:146 Resp: 58920

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.0	32.1	96.5





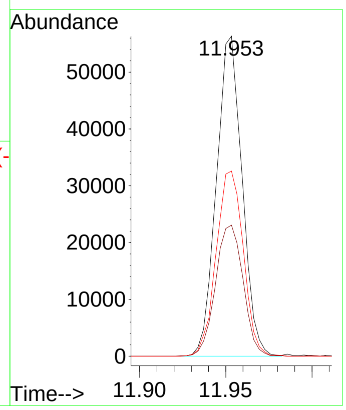
#77
1,2-Dichlorobenzene
Concen: 2.212 ppbv
RT: 11.953 min Scan# 3

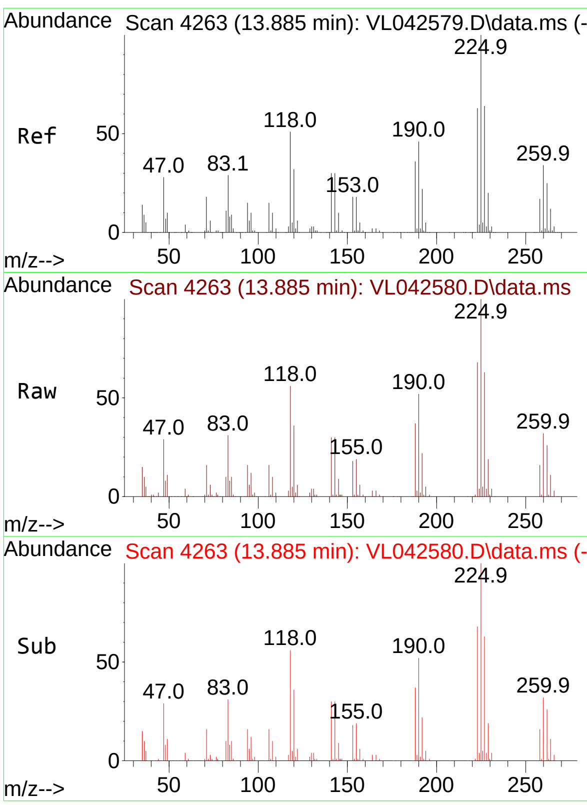
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:146 Resp: 58400

Ion	Ratio	Lower	Upper
146	100		
111	44.1	23.1	69.3
148	61.2	32.1	96.3

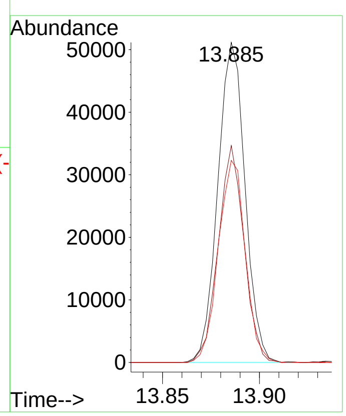


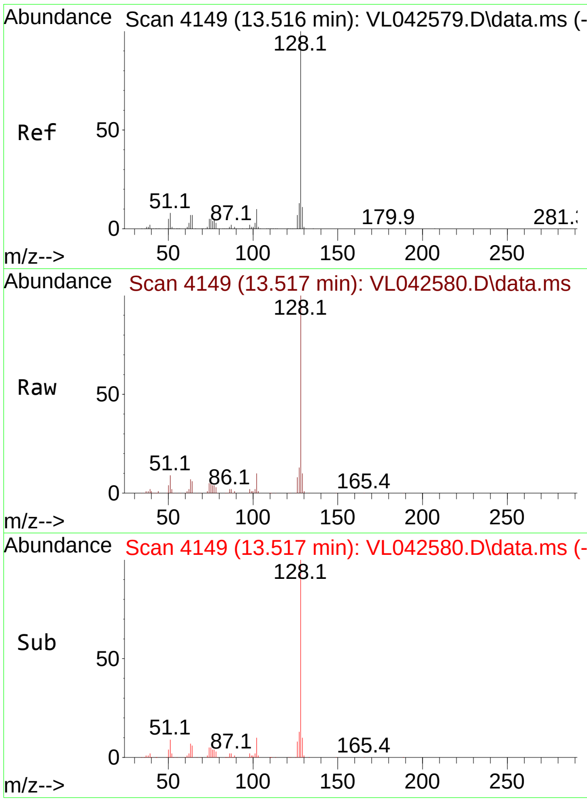


#78
Hexachloro-1,3-Butadiene
Concen: 2.288 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:225 Resp: 49999

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.4
227	62.5	51.1	76.7



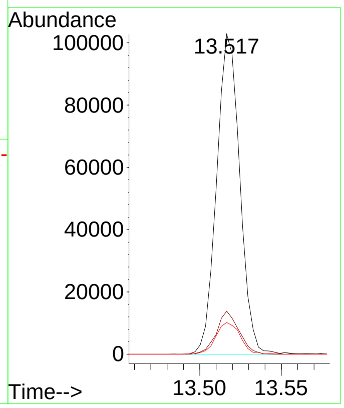


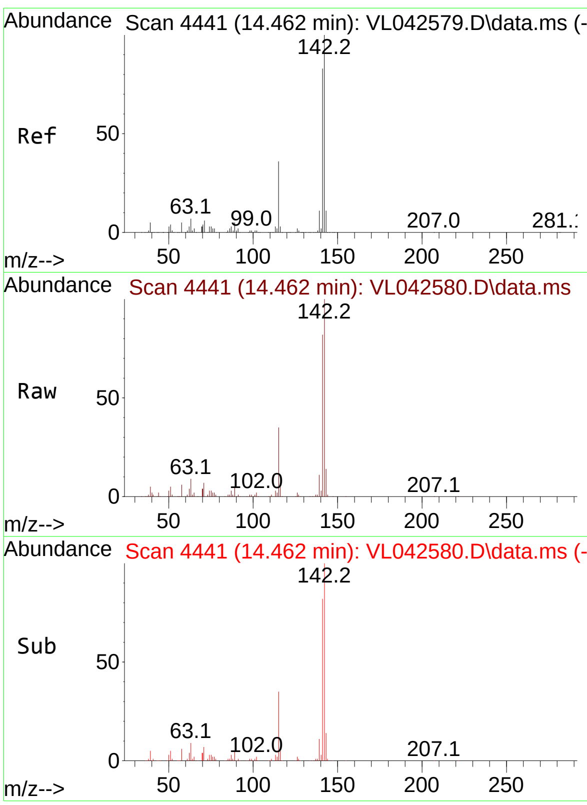
#79
Naphthalene
Concen: 2.494 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 101451

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	9.9	8.8	13.2

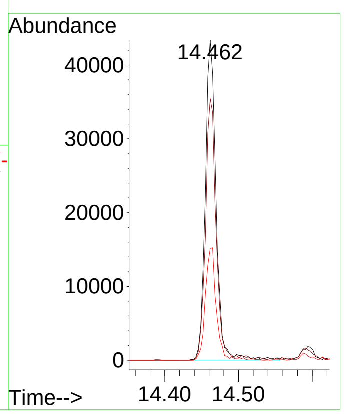


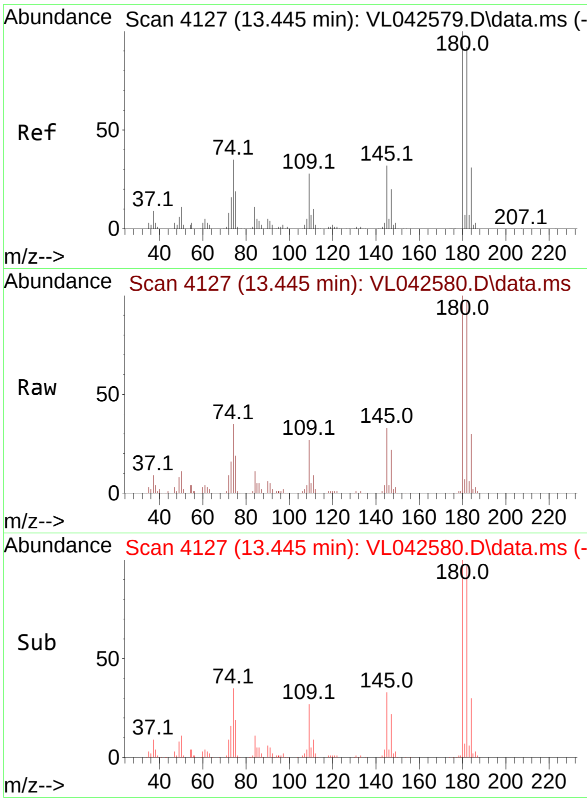


#80
Naphthalene,2-methyl-
Concen: 2.408 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:142 Resp: 44376

Ion	Ratio	Lower	Upper
142	100		
141	82.1	66.2	99.4
115	35.0	28.3	42.5



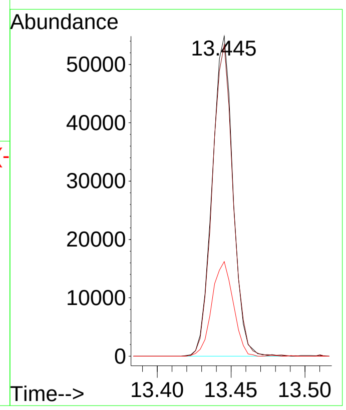


#81
1,2,4-Trichlorobenzene
Concen: 2.353 ppbv
RT: 13.445 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 53653

Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.0	112.4
184	30.4	24.6	36.8



Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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	4.975	43	9844	0.502 ppbv	#	28
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	4.593	88	1578	0.332 ppbv	#	24
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	30389	0.588 ppbv	#	49
45) t-1,3-Dichloropropene	6.422	75	6581	0.490 ppbv		94

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	10330	0.614 ppbv	96
47) 1,1,2-Trichloroethane	6.593	97	4735	0.409 ppbv	94
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	43372	1.163 ppbv #	29
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

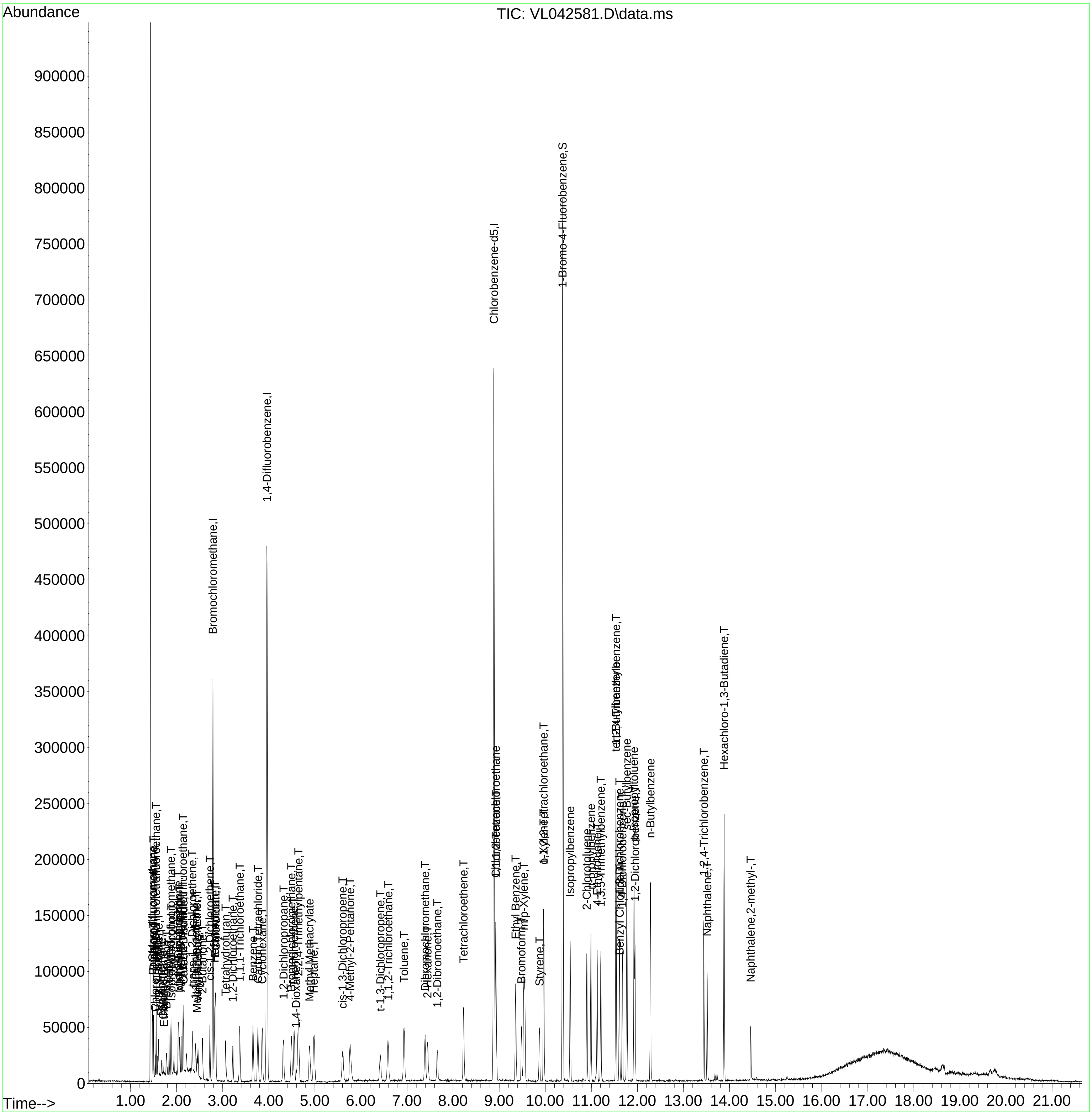
(#) = qualifier out of range (m) = manual integration (+) = signals summed

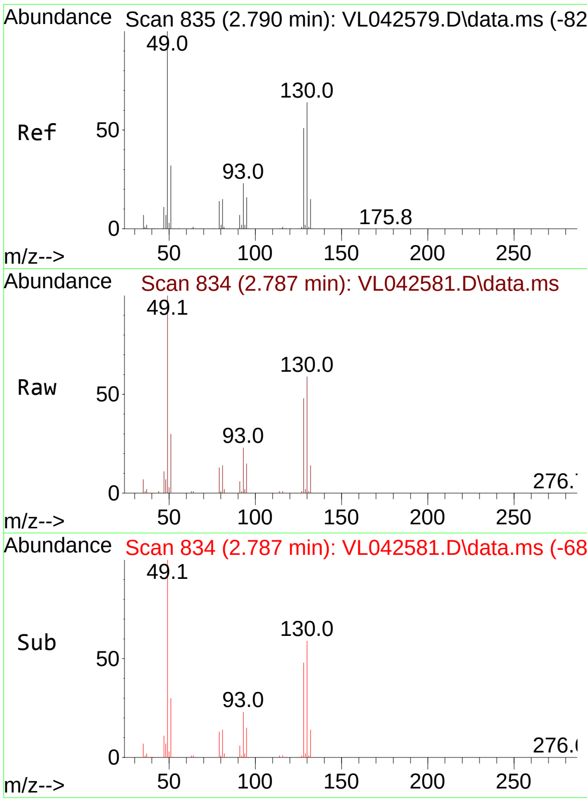
Quantitation Report   (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration



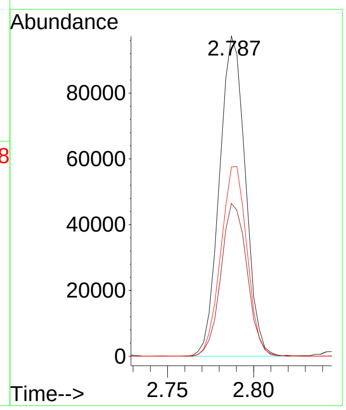


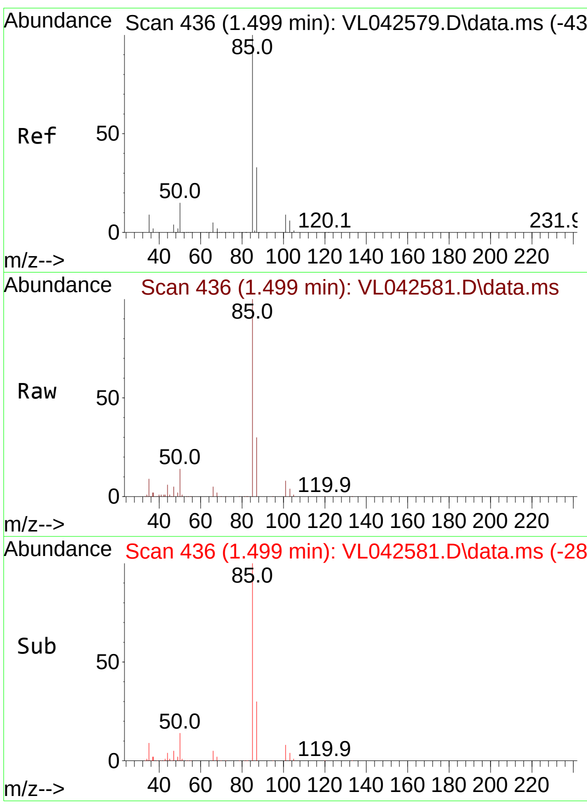
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 101864

Ion	Ratio	Lower	Upper
49	100		
128	48.1	24.2	72.6
130	60.1	30.4	91.2

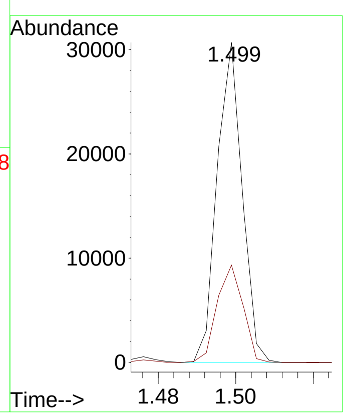


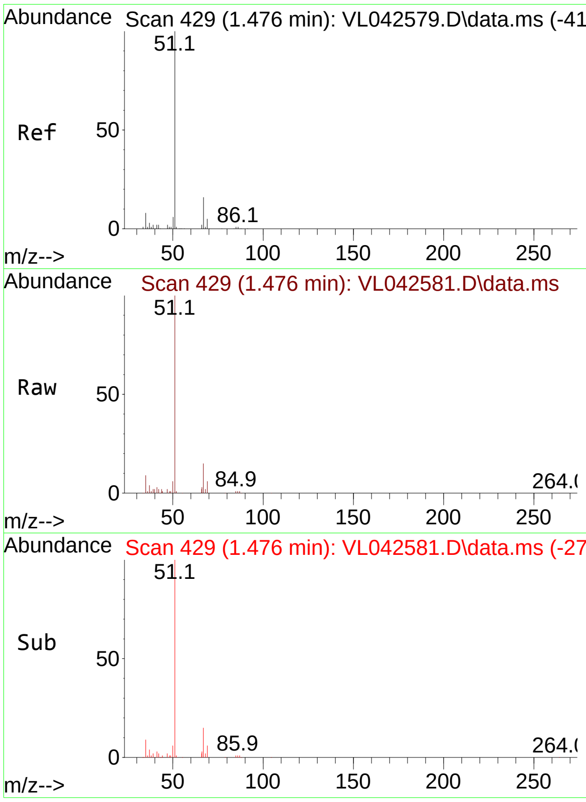


#2
Dichlorodifluoromethane
Concen: 1.101 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 85 Resp: 13779

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.6	39.8



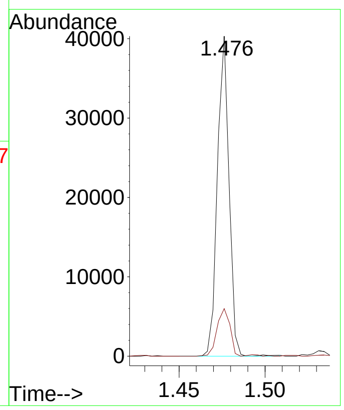


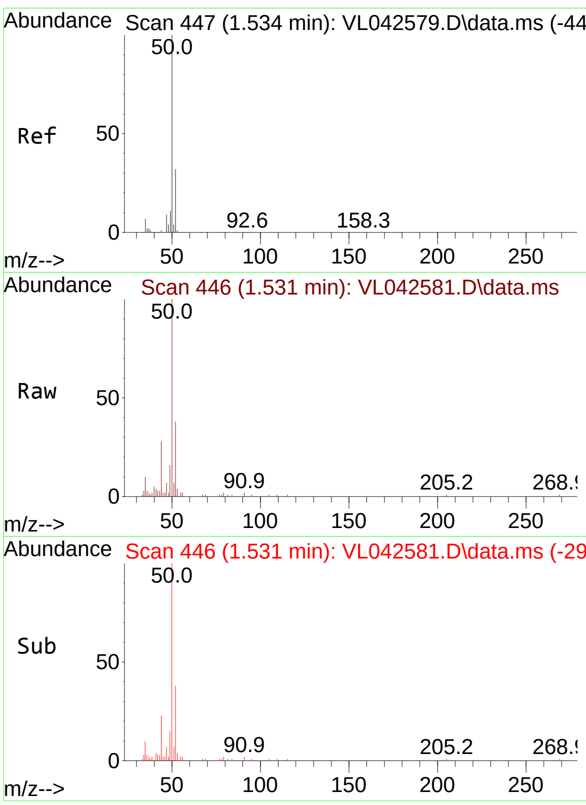
#3
Chlorodifluoromethane
Concen: 1.100 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 18960

Ion	Ratio	Lower	Upper
51	100		
67	17.0	13.4	20.2

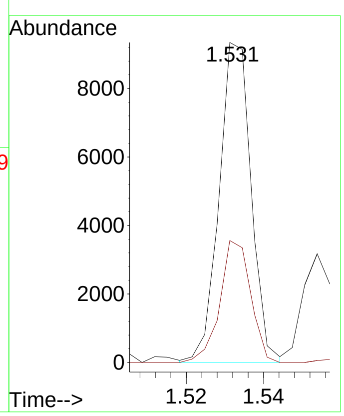


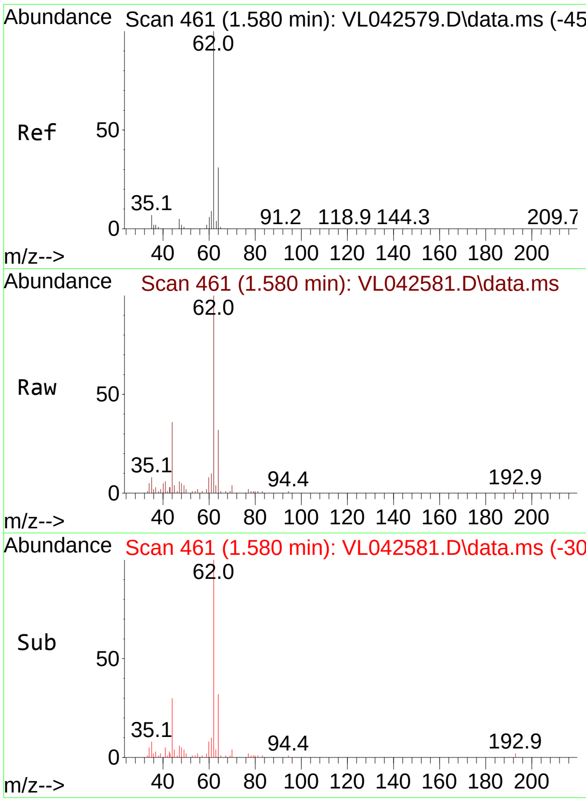


#4
Chloromethane
Concen: 1.087 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 50 Resp: 5387

Ion	Ratio	Lower	Upper
50	100		
52	38.4	25.8	38.6



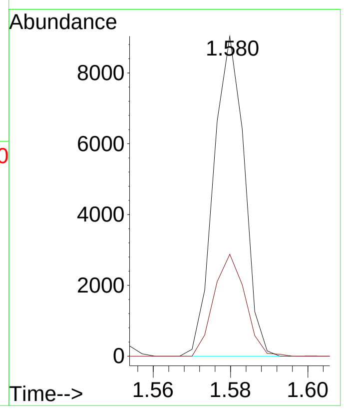


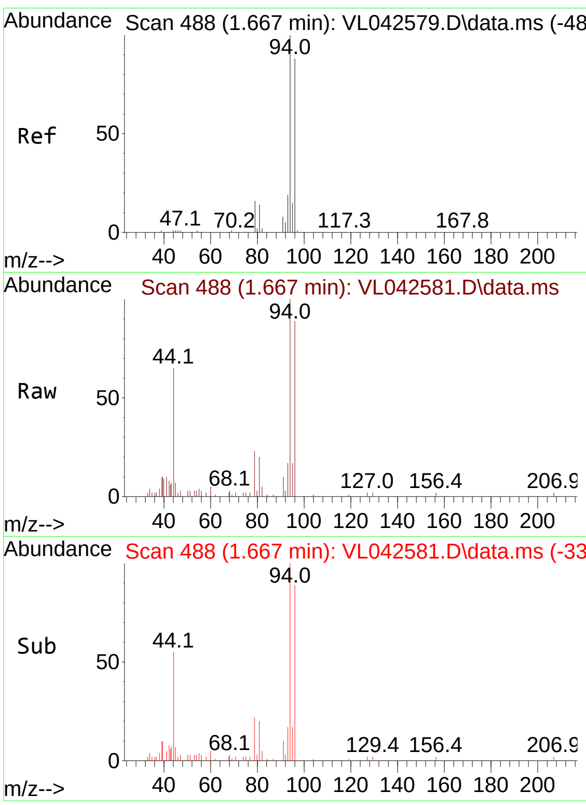
#5
Vinyl Chloride
Concen: 0.983 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 4964

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.9	37.3

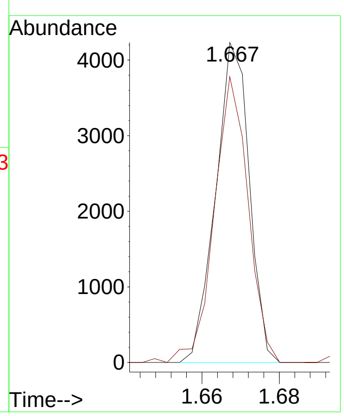


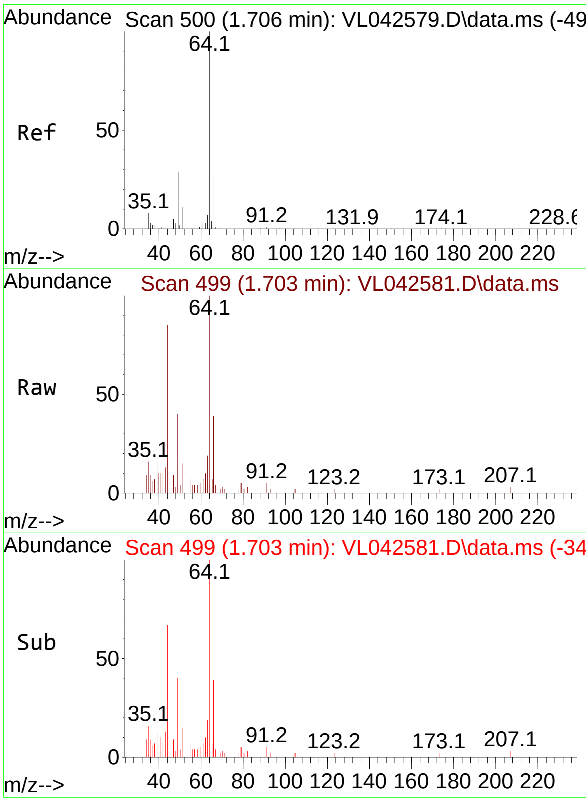


#6
Bromomethane
Concen: 1.041 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 94 Resp: 2560

Ion	Ratio	Lower	Upper
94	100		
96	89.3	70.7	106.1



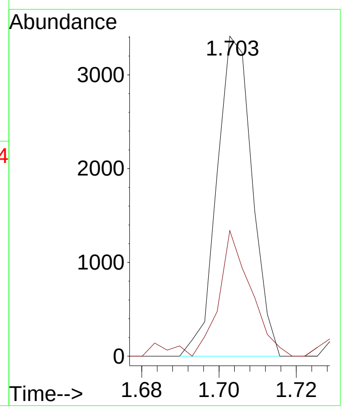


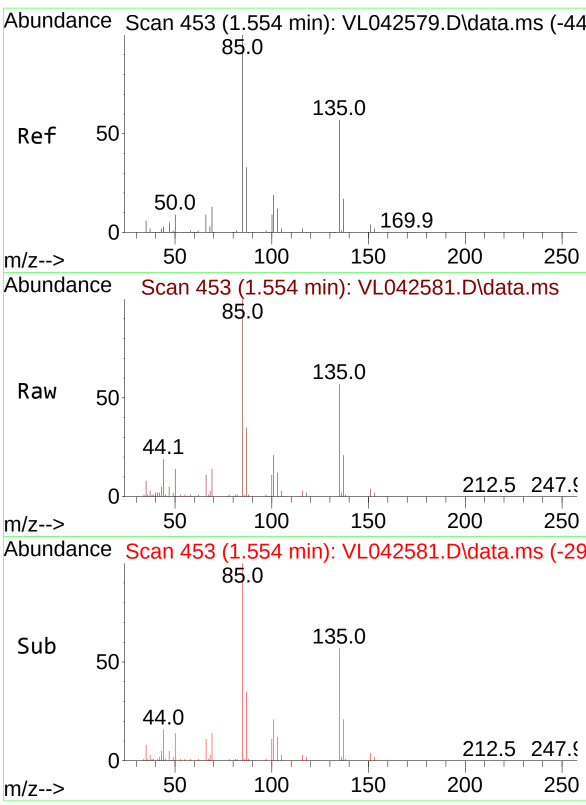
#7
Chloroethane
Concen: 1.103 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 2164

Ion	Ratio	Lower	Upper
64	100		
66	39.3	24.3	36.5#

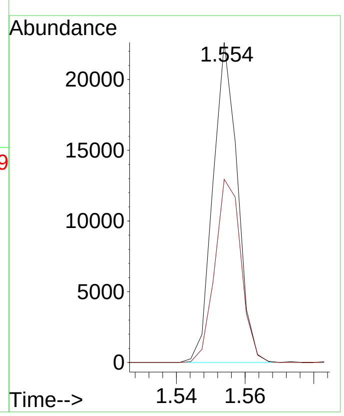


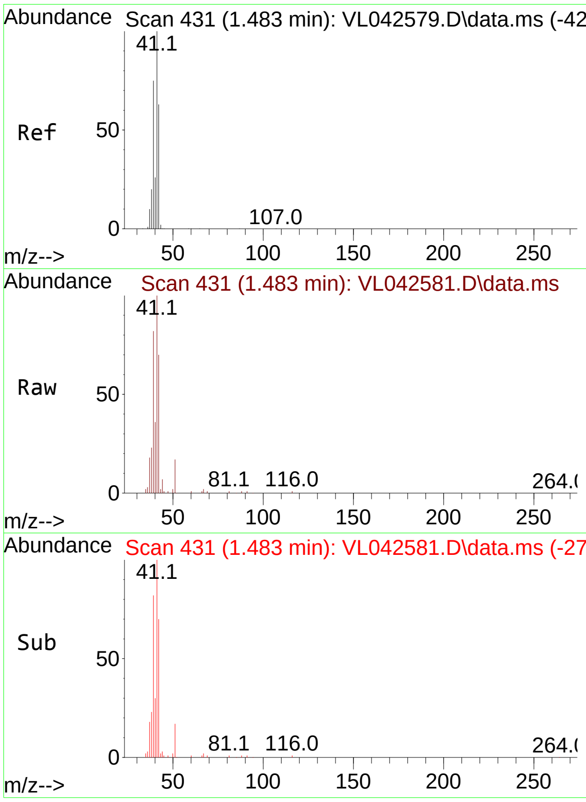


#8
Dichlorotetrafluoroethane
Concen: 1.072 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 85 Resp: 11182

Ion	Ratio	Lower	Upper
85	100		
135	61.5	50.2	75.4



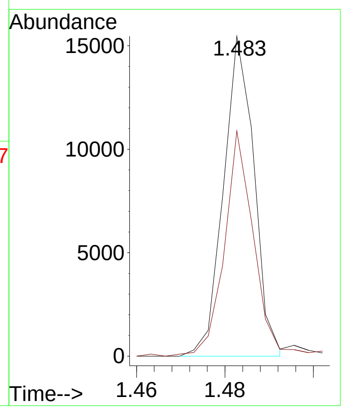


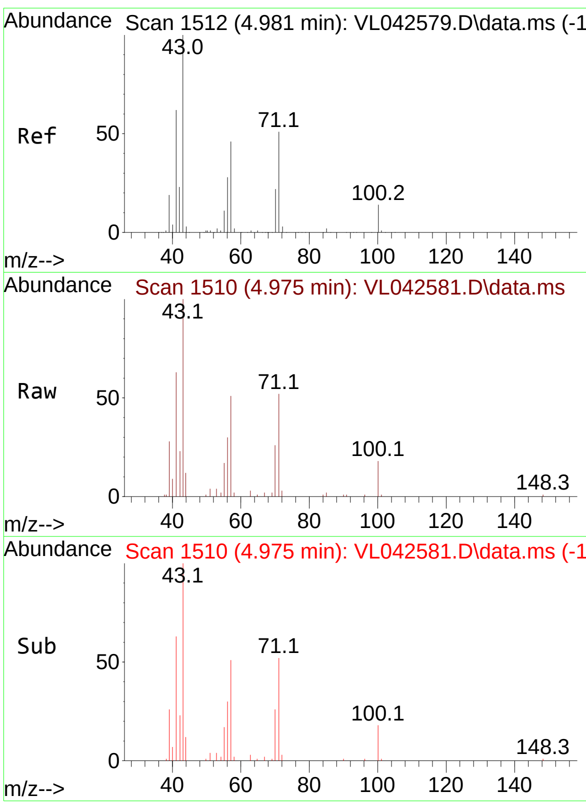
#9
Propene
Concen: 1.068 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 7413

Ion	Ratio	Lower	Upper
41	100		
42	69.1	53.3	79.9

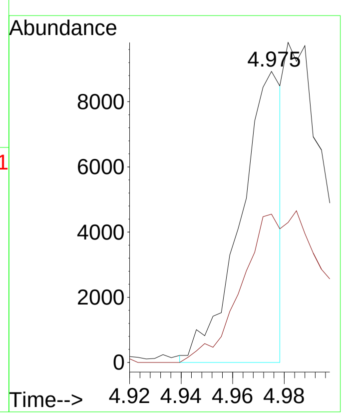


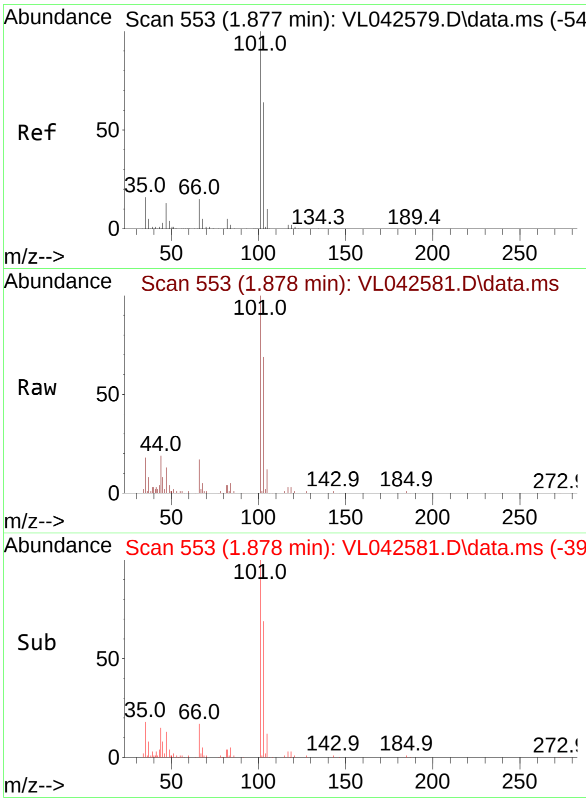


#10
Heptane
Concen: 0.502 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 43 Resp: 9844

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#





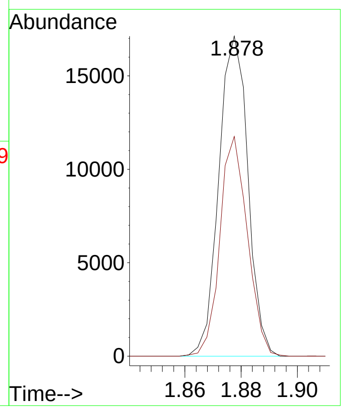
#11
Trichlorofluoromethane
Concen: 1.058 ppbv
RT: 1.878 min Scan# 5

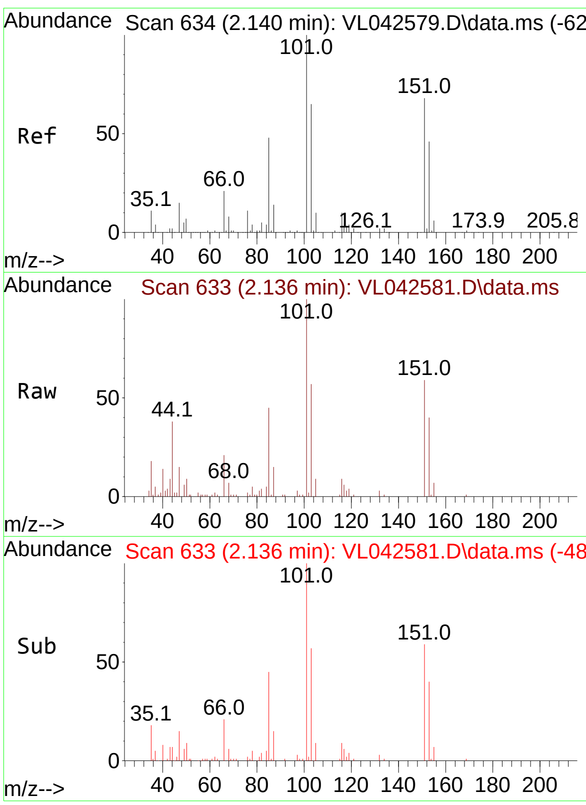
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:101 Resp: 12319

Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.5	77.3

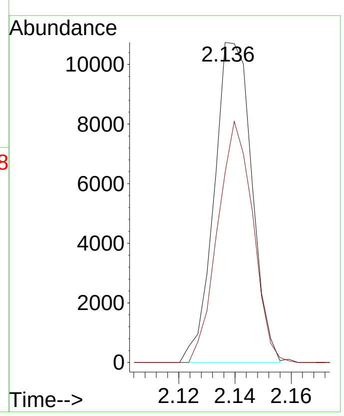


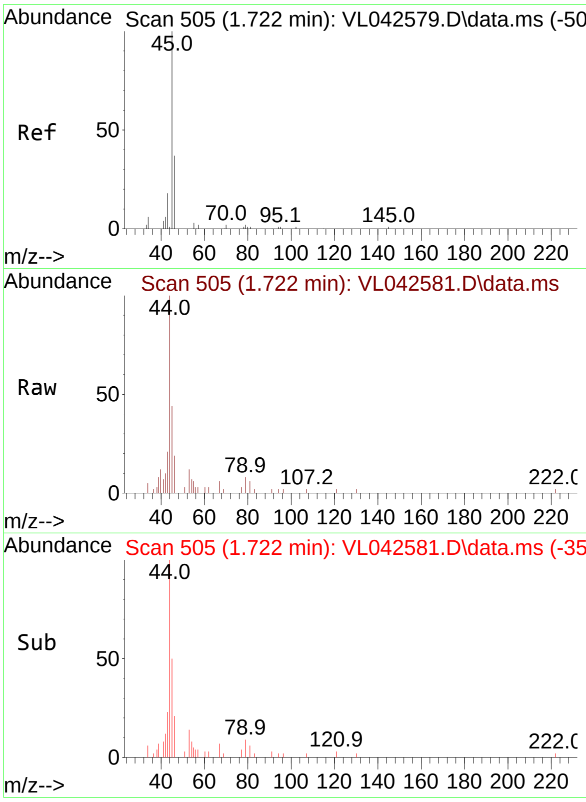


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.091 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:101 Resp: 9979

Ion	Ratio	Lower	Upper
101	100		
151	70.6	55.3	82.9



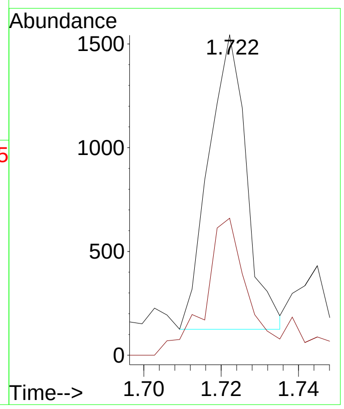


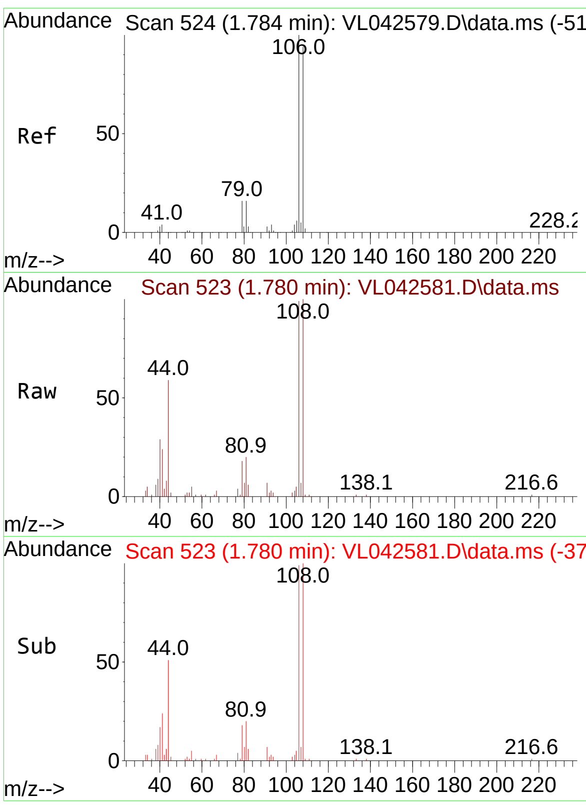
#13
Ethanol
Concen: 1.249 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 968

Ion	Ratio	Lower	Upper
45	100		
46	59.5	14.5	58.1#

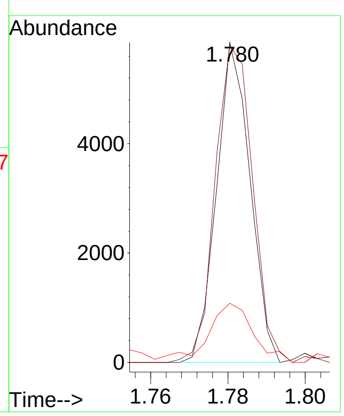


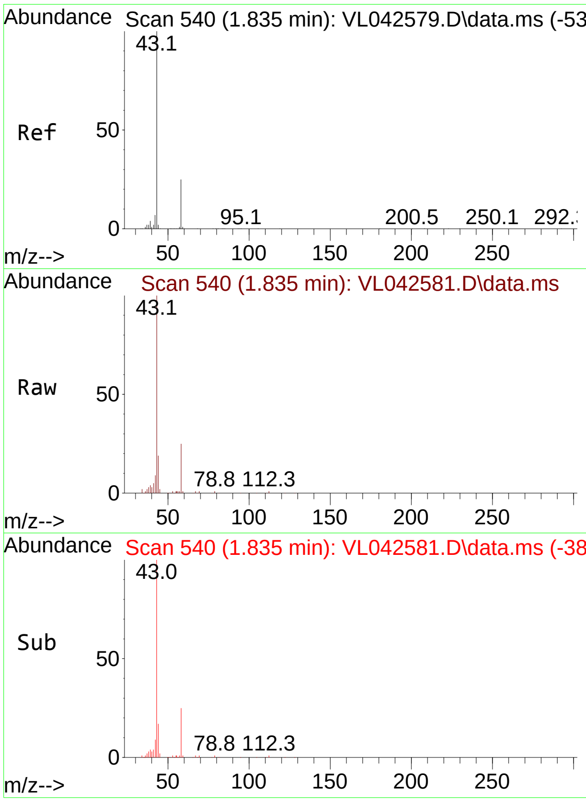


#14
Bromoethene
Concen: 1.024 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:108 Resp: 3524

Ion	Ratio	Lower	Upper
108	100		
106	111.5	87.9	131.9
79	25.3	15.6	23.4#



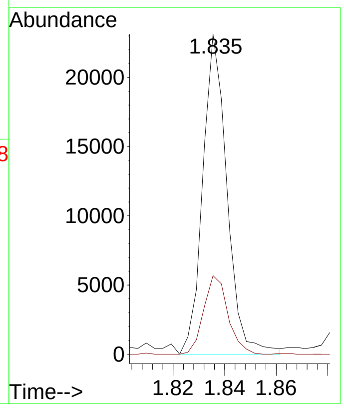


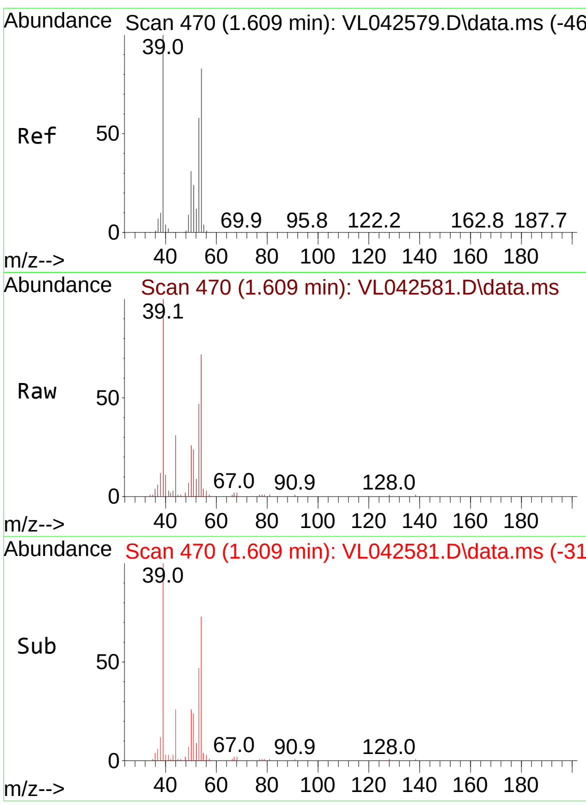
#15
Acetone
Concen: 1.232 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15114

Ion	Ratio	Lower	Upper
43	100		
58	24.9	21.0	31.4

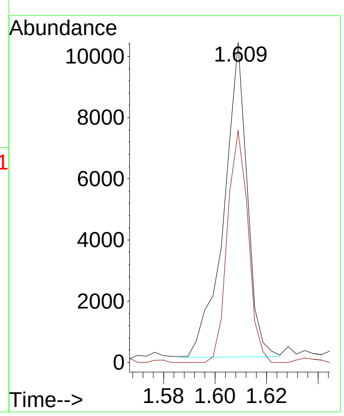


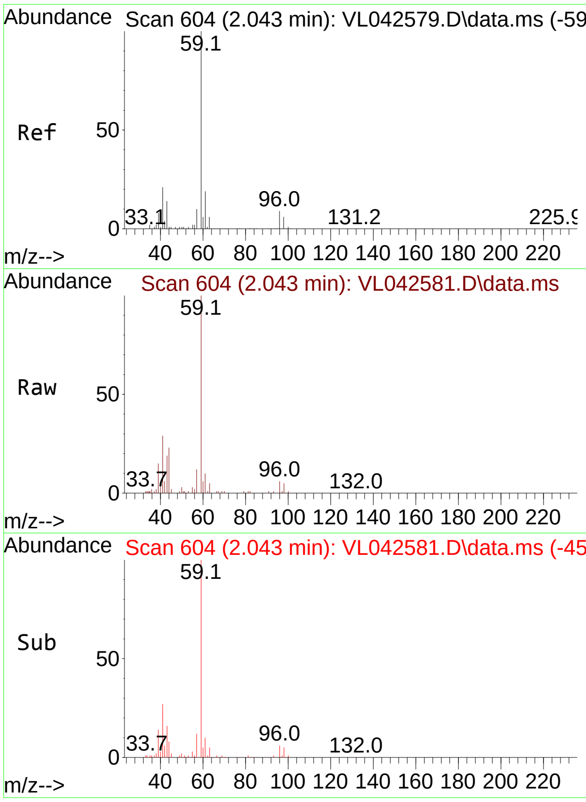


#16
1,3-Butadiene
Concen: 1.115 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 39 Resp: 6483

Ion	Ratio	Lower	Upper
39	100		
54	65.4	57.9	86.9



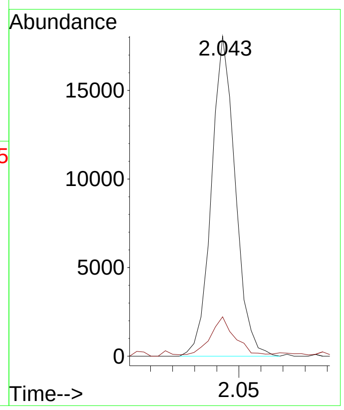


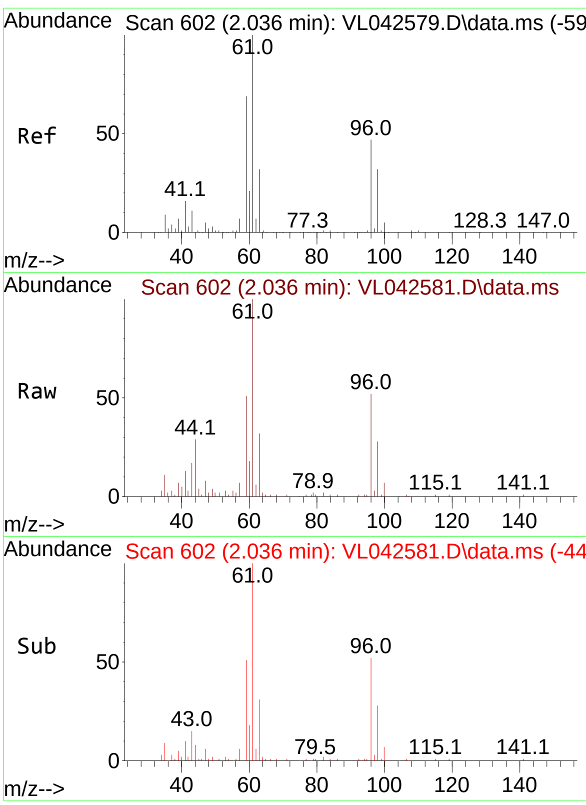
#17
tert-Butyl alcohol
Concen: 1.063 ppbv
RT: 2.043 min Scan# 60
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 13587

Ion	Ratio	Lower	Upper
59	100		
57	17.1	8.6	12.8#

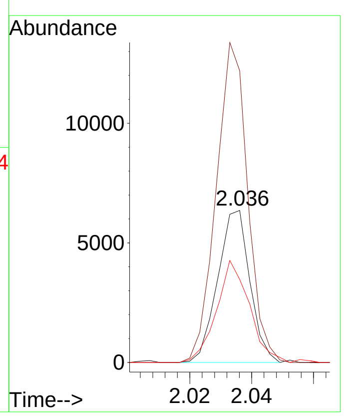


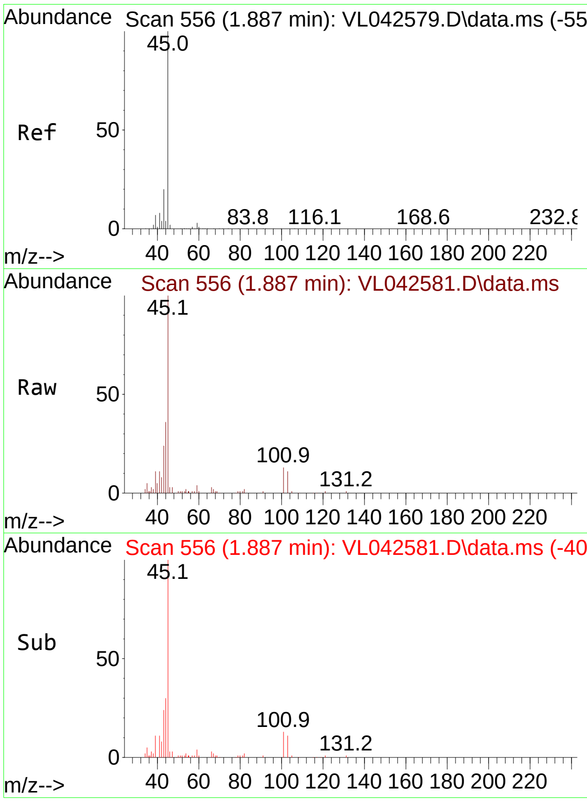


#18
1,1-Dichloroethene
Concen: 1.080 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 96 Resp: 4598

Ion	Ratio	Lower	Upper
96	100		
61	191.9	171.1	256.7
98	54.6	54.4	81.6



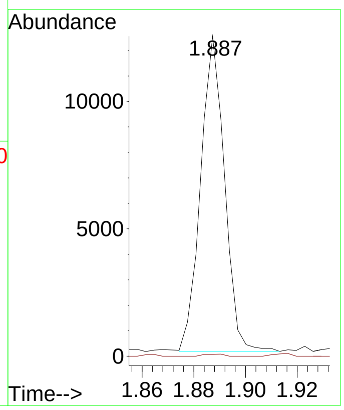


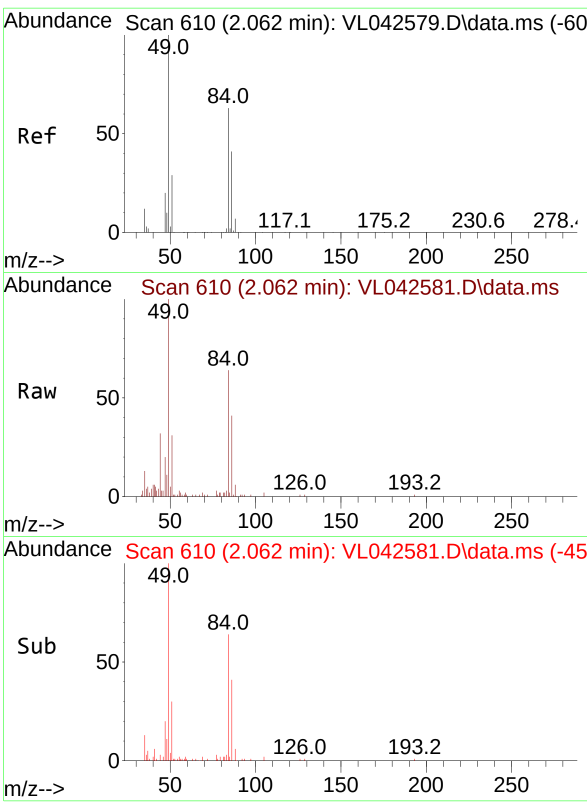
#19
Isopropyl Alcohol
Concen: 1.086 ppbv
RT: 1.887 min   Scan# 5!
Delta R.T.   0.000 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 7964

Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.2#

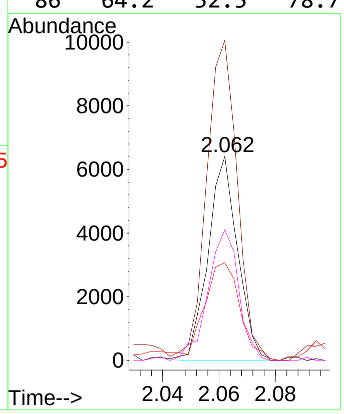




#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 2.062 min   Scan# 610
Delta R.T.   0.000 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion: 84 Resp: 4654

Ion	Ratio	Lower	Upper
84	100		
49	157.0	128.8	193.2
51	48.0	38.6	57.8
86	64.2	52.5	78.7

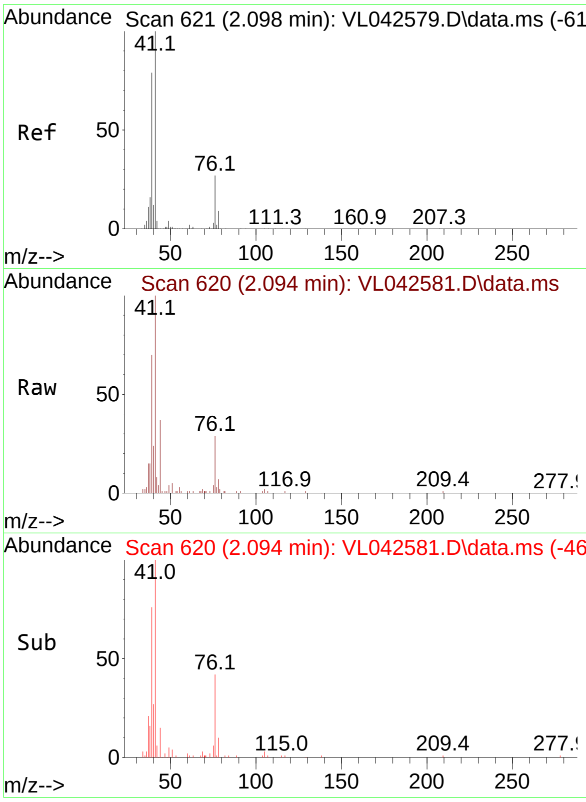


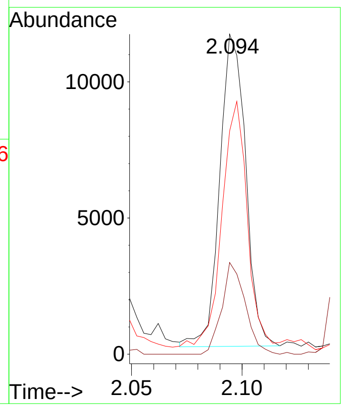
#21
Allyl Chloride
Concen: 1.083 ppbv
RT: 2.094 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 9378

Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.2	31.8
39	95.2	60.9	91.3#

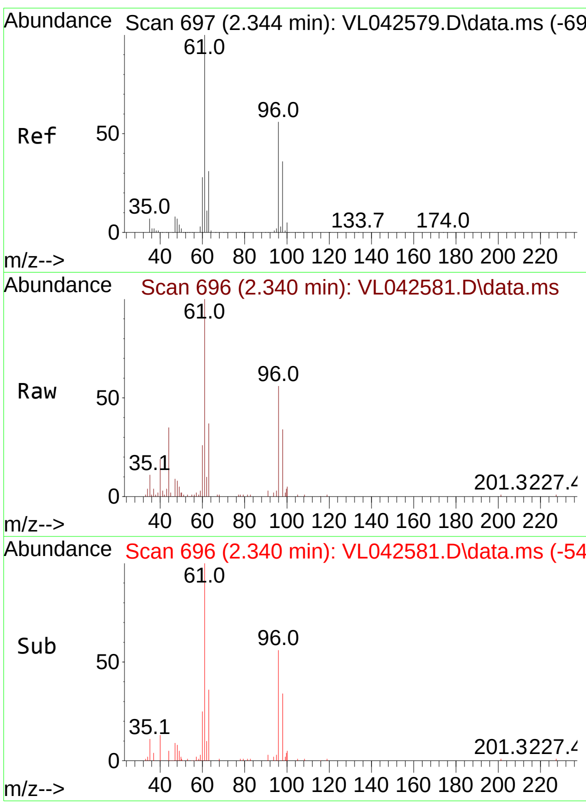


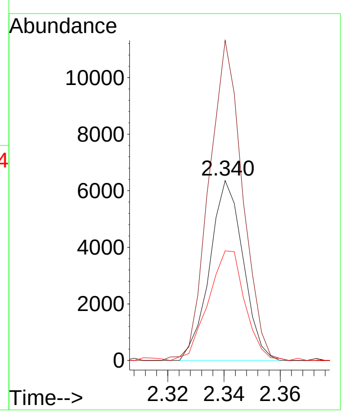


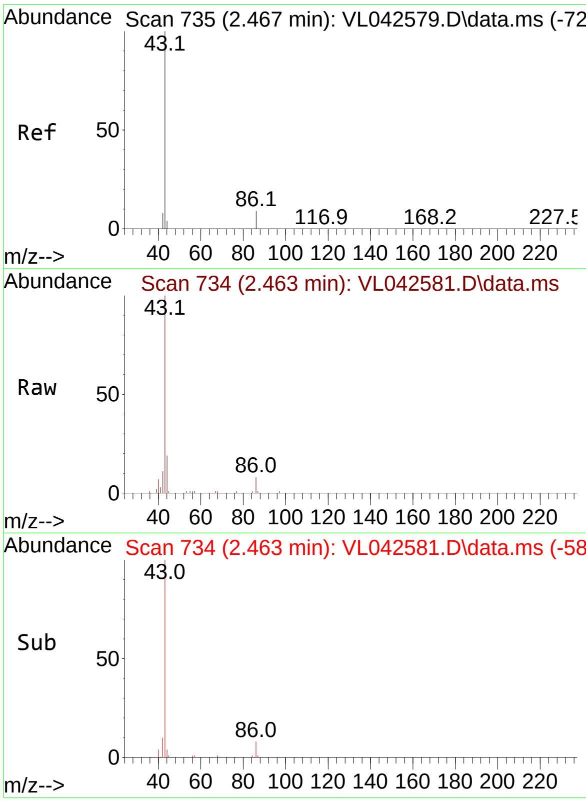
#22
trans-1,2-Dichloroethene
Concen: 1.109 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 96 Resp: 5269

Ion	Ratio	Lower	Upper
96	100		
61	176.7	142.6	214.0
98	59.7	51.0	76.4





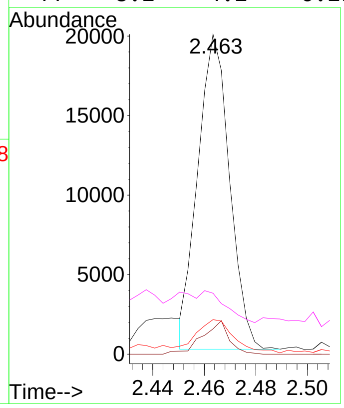


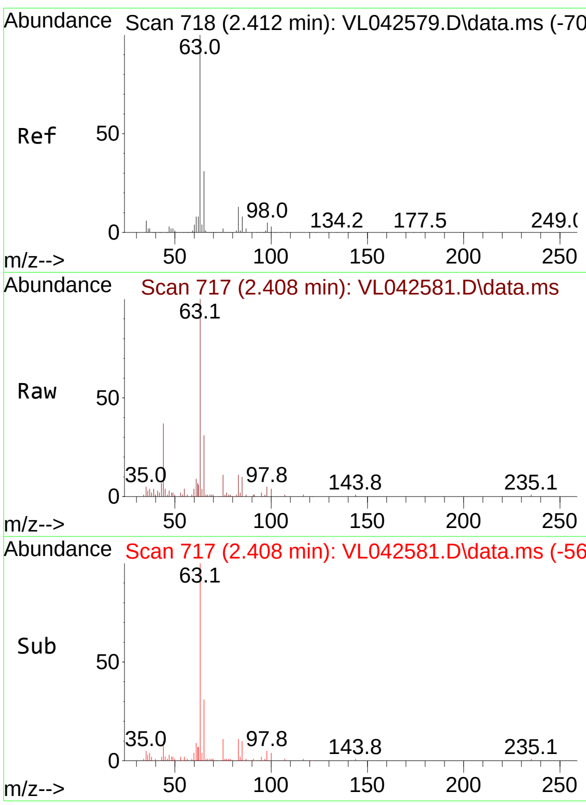
#23
Vinyl Acetate
Concen: 1.022 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 16945

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.6	9.8
42	10.6	7.0	10.4#
44	8.2	4.2	6.2#

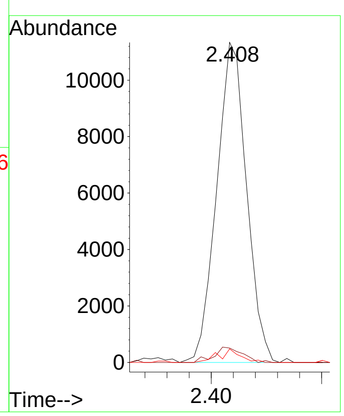


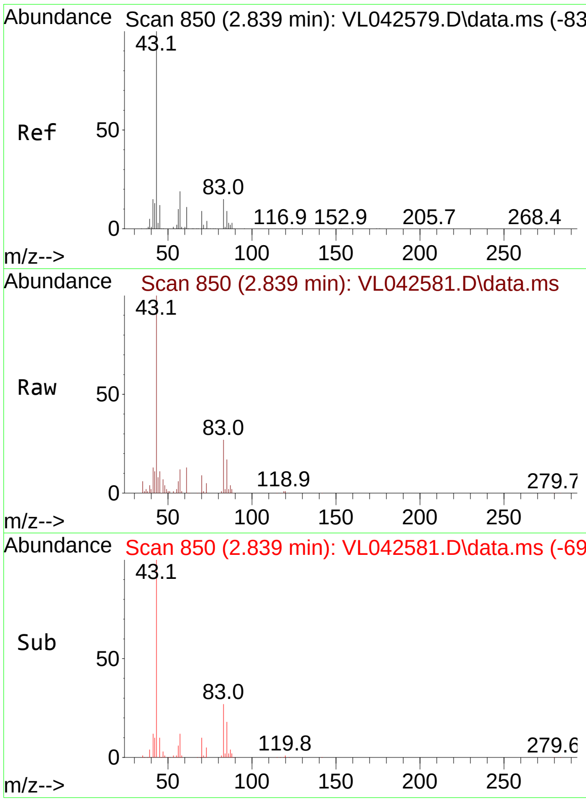


#24
1,1-Dichloroethane
Concen: 1.093 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 63 Resp: 10651

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	4.2	1.4	4.0#



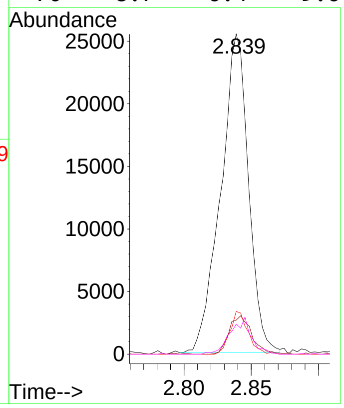


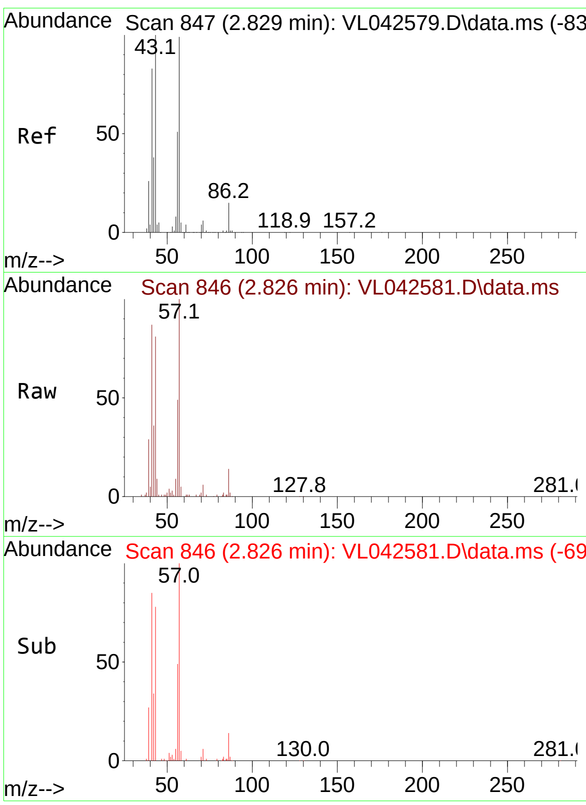
#25
Ethyl Acetate
Concen: 1.088 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 36518

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	8.8	7.1	10.7
70	8.7	6.4	9.6

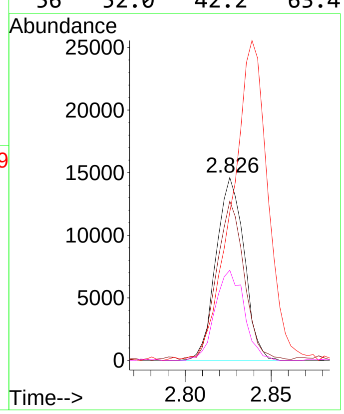


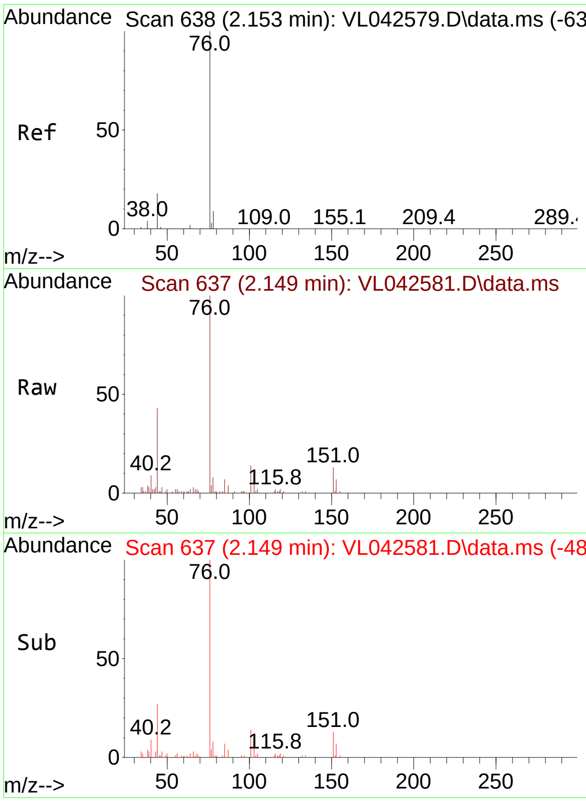


#26
Hexane
Concen: 1.094 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 57 Resp: 16686

Ion	Ratio	Lower	Upper
57	100		
41	86.1	70.6	106.0
43	227.5	181.1	271.7
56	52.0	42.2	63.4



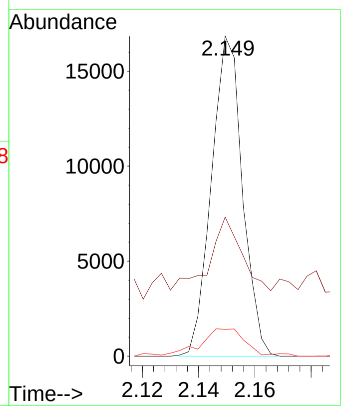


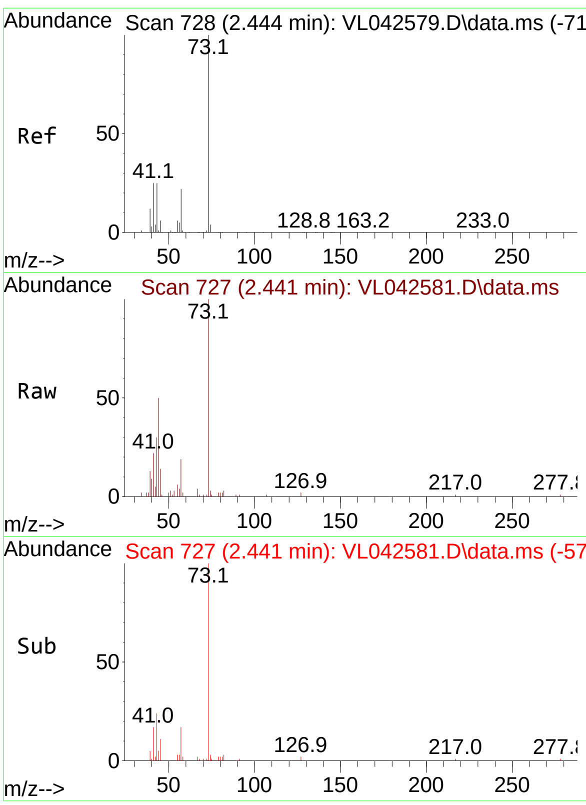
#27
Carbon Disulfide
Concen: 1.102 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 12910

Ion	Ratio	Lower	Upper
76	100		
44	83.5	21.3	31.9#
78	12.9	9.4	14.0

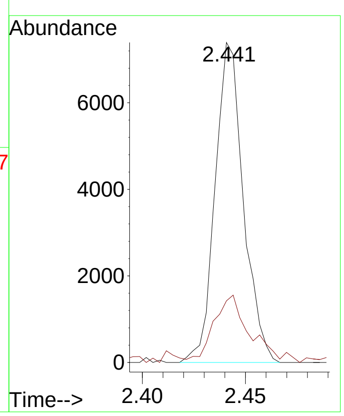


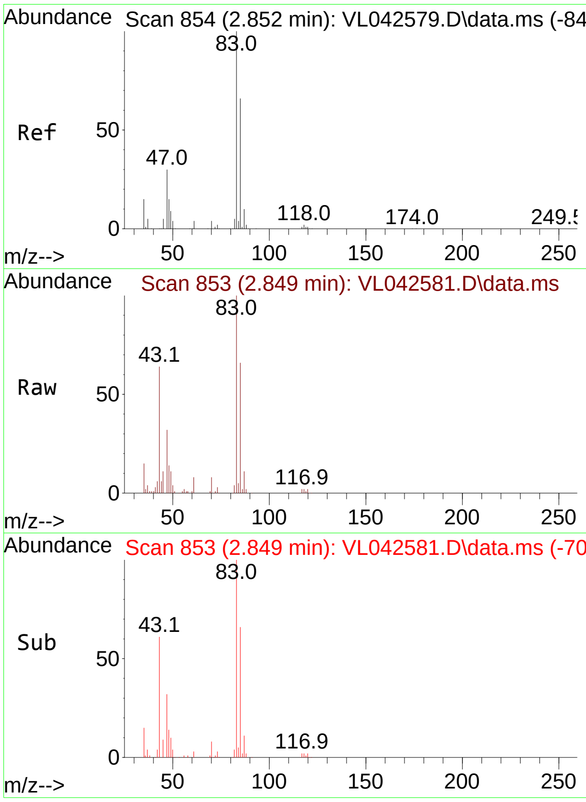


#28
Methyl tert-Butyl Ether
Concen: 1.141 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 73 Resp: 7064

Ion	Ratio	Lower	Upper
73	100		
57	28.6	19.9	29.9



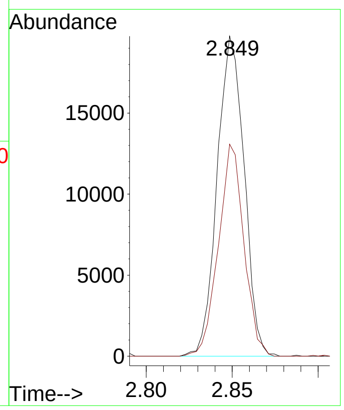


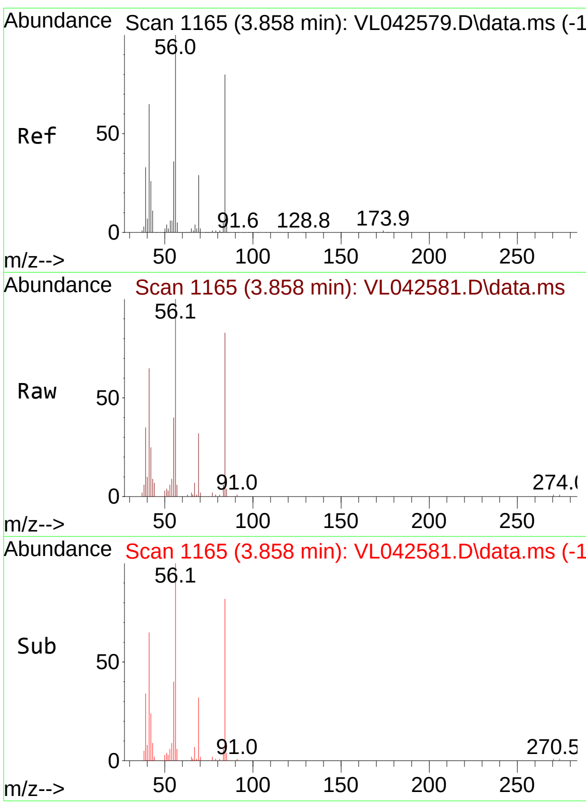
#29
Chloroform
Concen: 1.088 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 21594

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.8	79.2

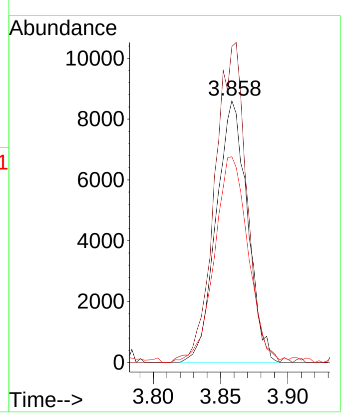


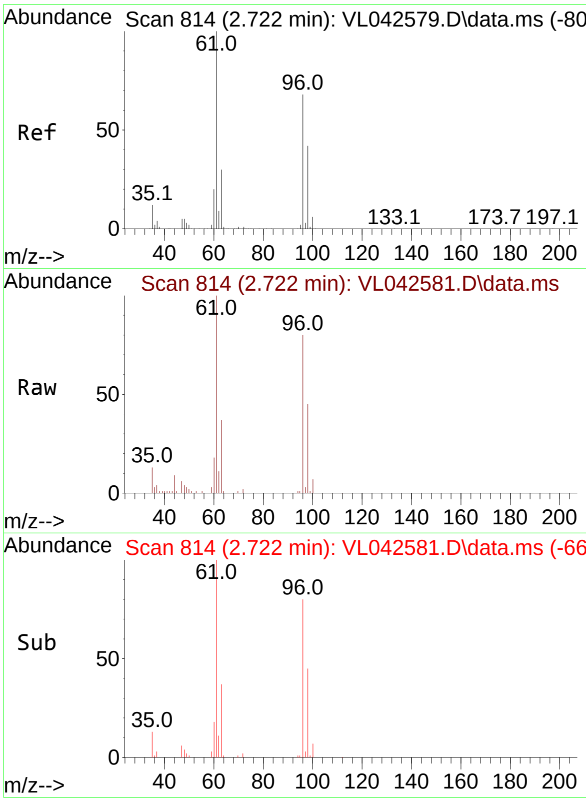


#30
Cyclohexane
Concen: 1.098 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 84 Resp: 13889

Ion	Ratio	Lower	Upper
84	100		
56	124.8	103.7	155.5
41	85.8	65.1	97.7



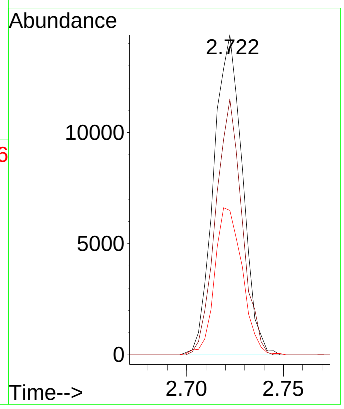


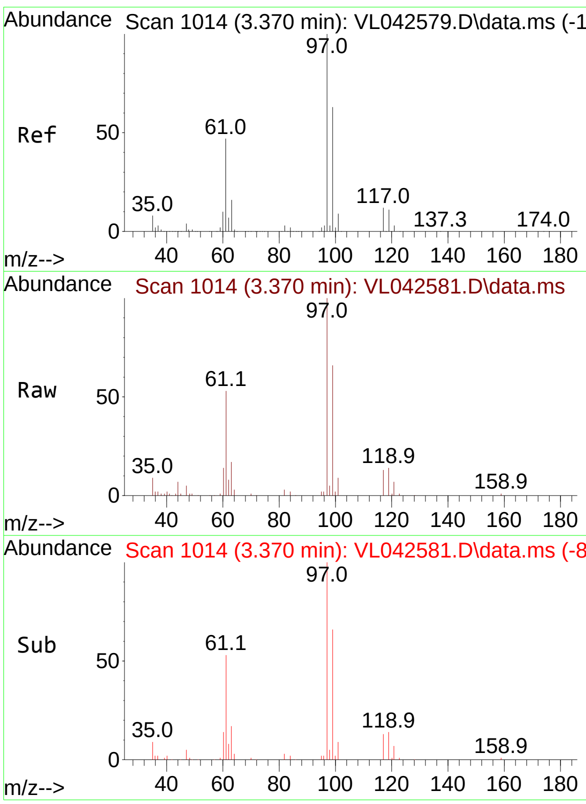
#31
cis-1,2-Dichloroethene
Concen: 1.066 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 14880

Ion	Ratio	Lower	Upper
61	100		
96	79.9	54.5	81.7
98	45.2	33.4	50.2

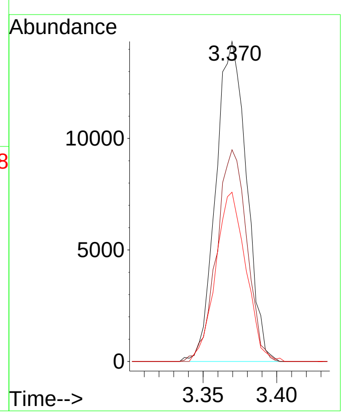


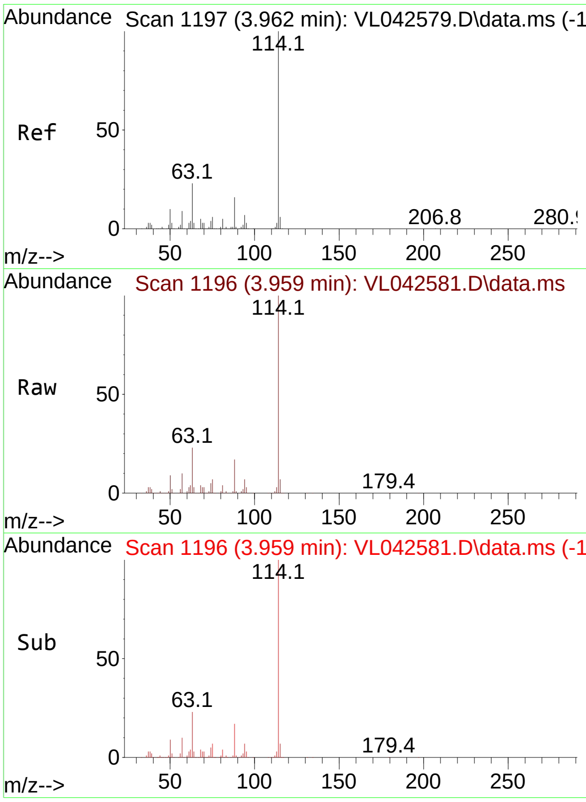


#32
1,1,1-Trichloroethane
Concen: 1.045 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 97 Resp: 20811

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	52.3	39.4	59.0



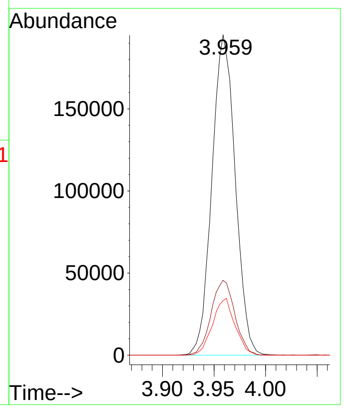


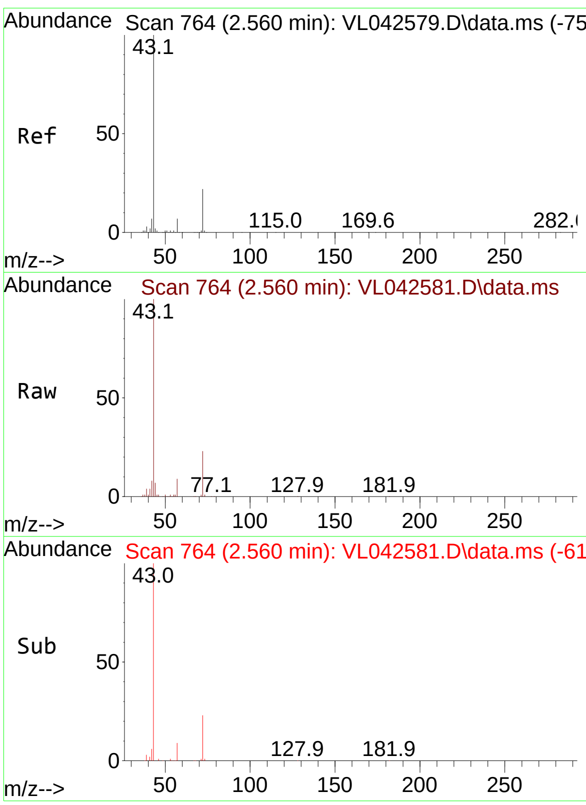
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 307159

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.6
88	17.1	13.6	20.4

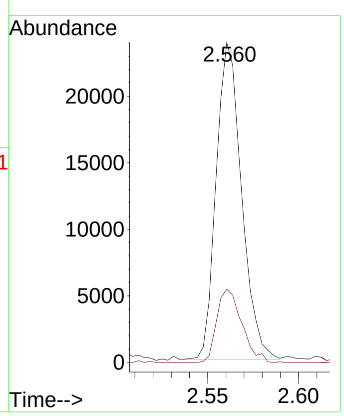


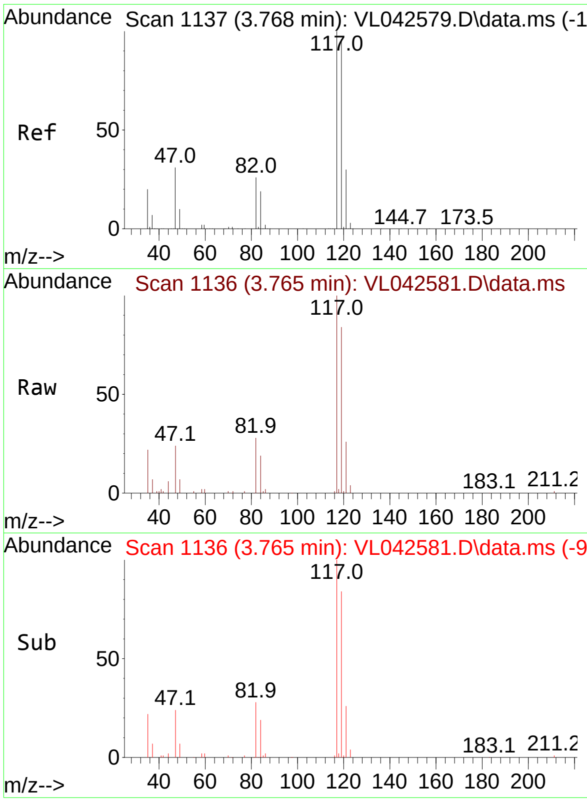


#34
2-Butanone
Concen: 1.057 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 43 Resp: 23148

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.7	26.5





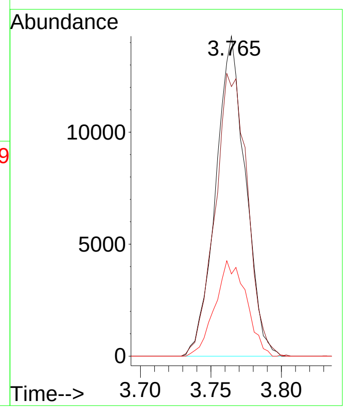
#35
Carbon Tetrachloride
Concen: 1.036 ppbv
RT: 3.765 min Scan# 1

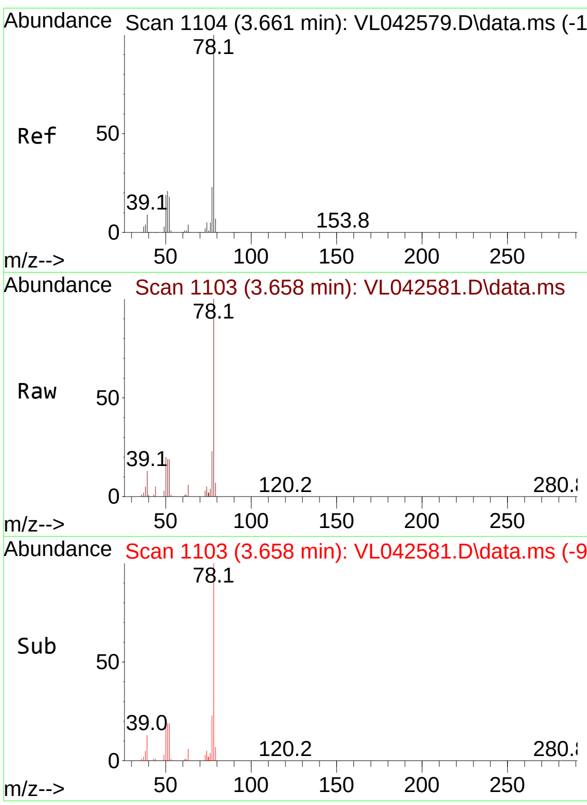
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:117 Resp: 21013

Ion	Ratio	Lower	Upper
117	100		
119	84.3	76.8	115.2
121	25.7	24.3	36.5

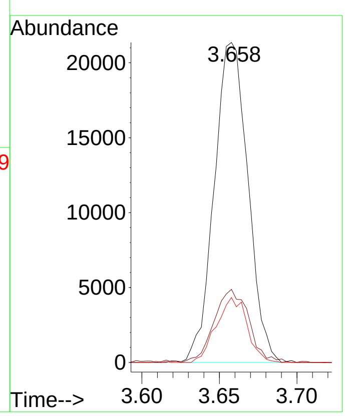


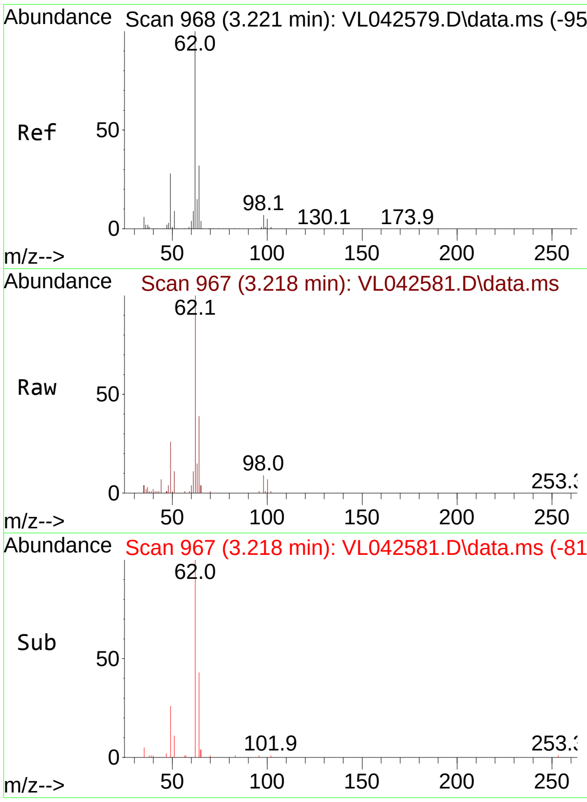


#36
Benzene
Concen: 1.068 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 78 Resp: 32310

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.2
50	20.3	15.2	22.8



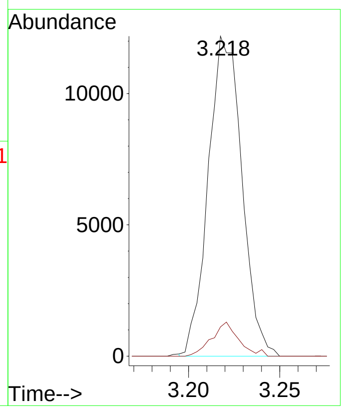


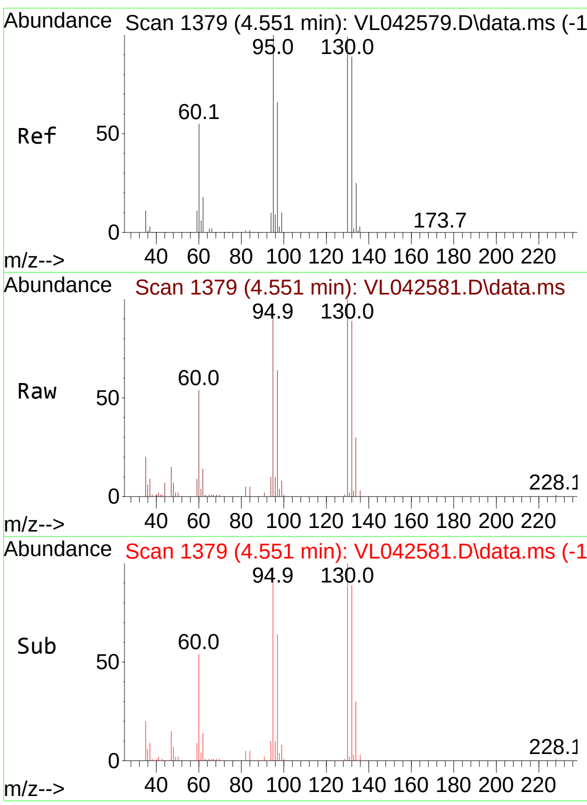
#37
1,2-Dichloroethane
Concen: 1.039 ppbv
RT: 3.218 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 15623

Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.1	9.1

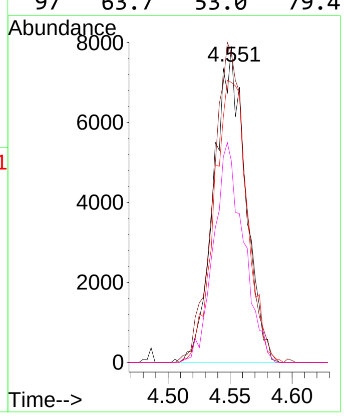


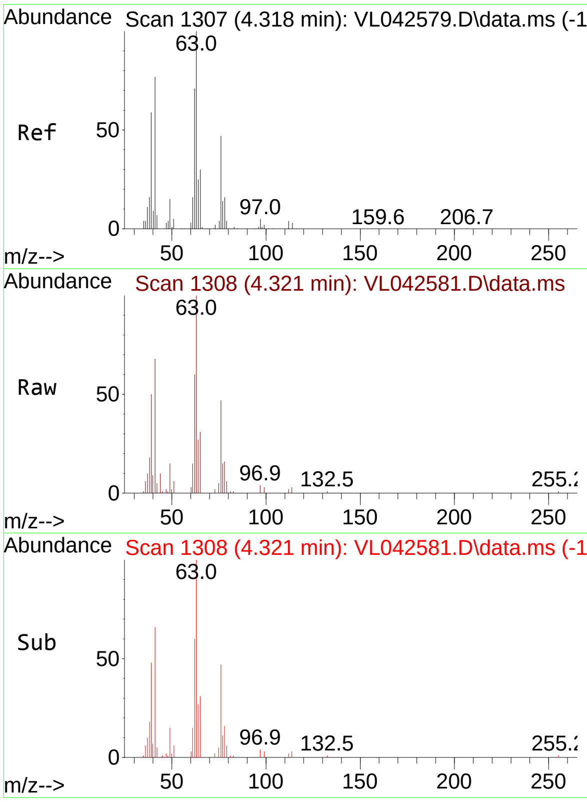


#38
Trichloroethene
Concen: 1.078 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:130 Resp: 13969

Ion	Ratio	Lower	Upper
130	100		
95	97.9	80.6	121.0
132	88.6	71.8	107.6
97	63.7	53.0	79.4



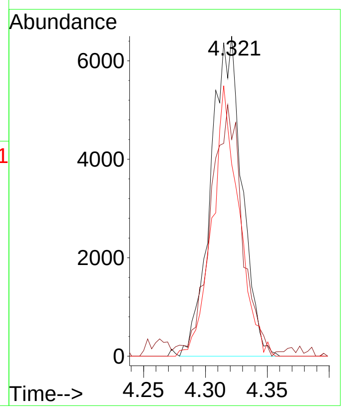


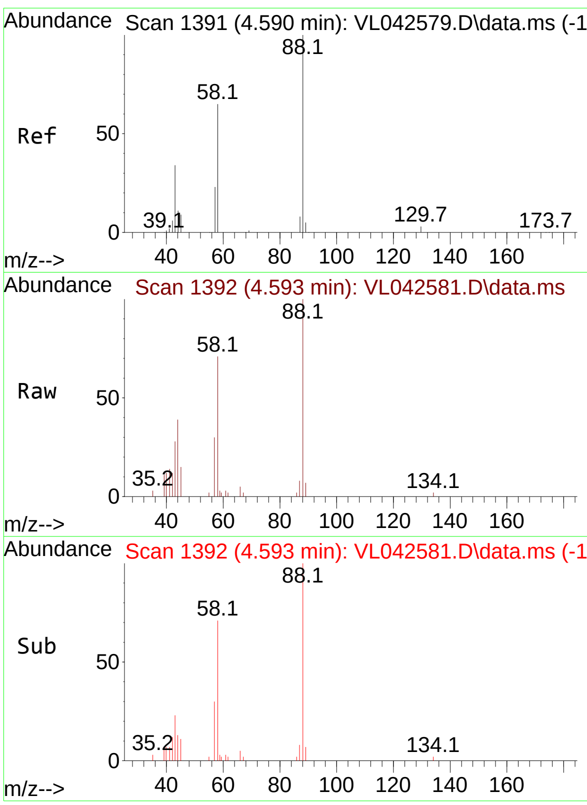
#39
1,2-Dichloropropane
Concen: 1.027 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 11488

Ion	Ratio	Lower	Upper
63	100		
41	66.4	61.8	92.6
62	60.0	56.6	85.0

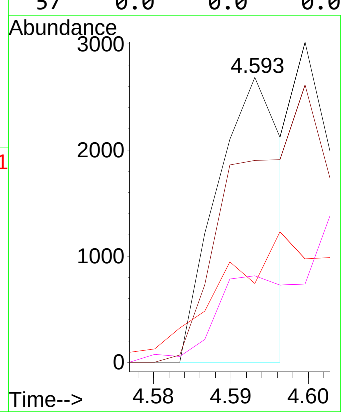


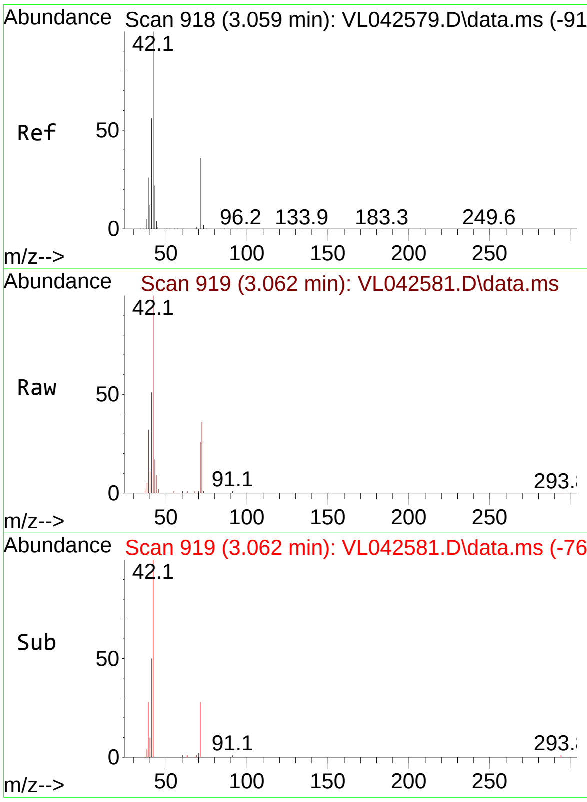


#40
1,4-Dioxane
Concen: 0.332 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 88 Resp: 1578

Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8#
43	0.0	24.8	37.2#
57	0.0	0.0	0.0



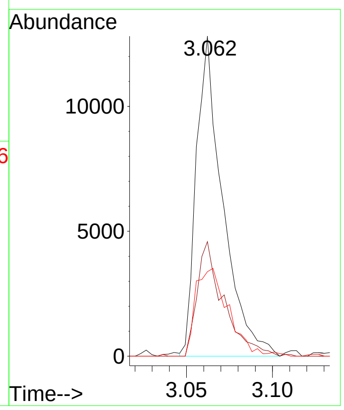


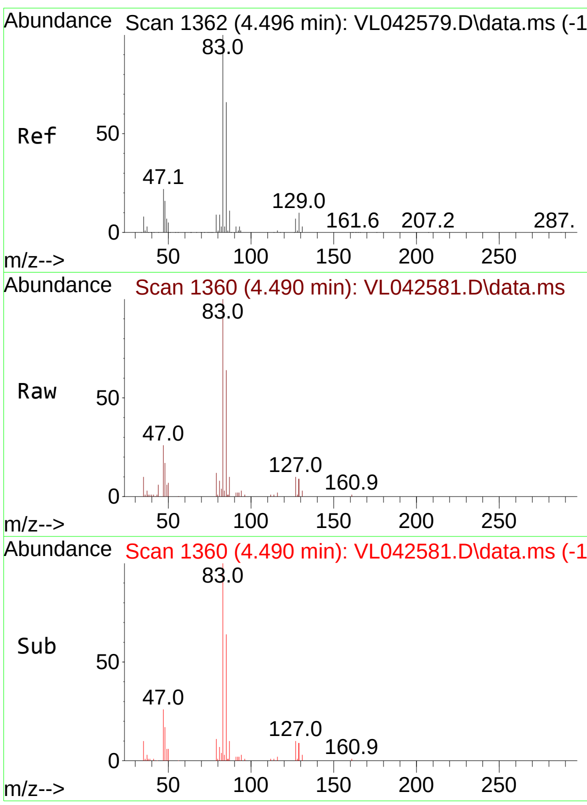
#41
Tetrahydrofuran
Concen: 1.069 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 13711

Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.9	43.3
71	34.6	28.5	42.7

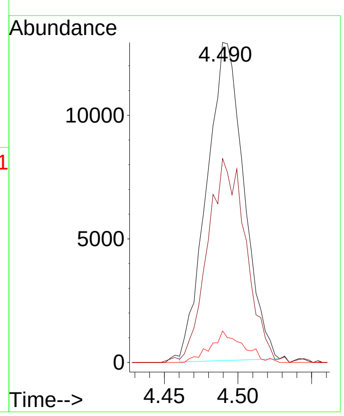


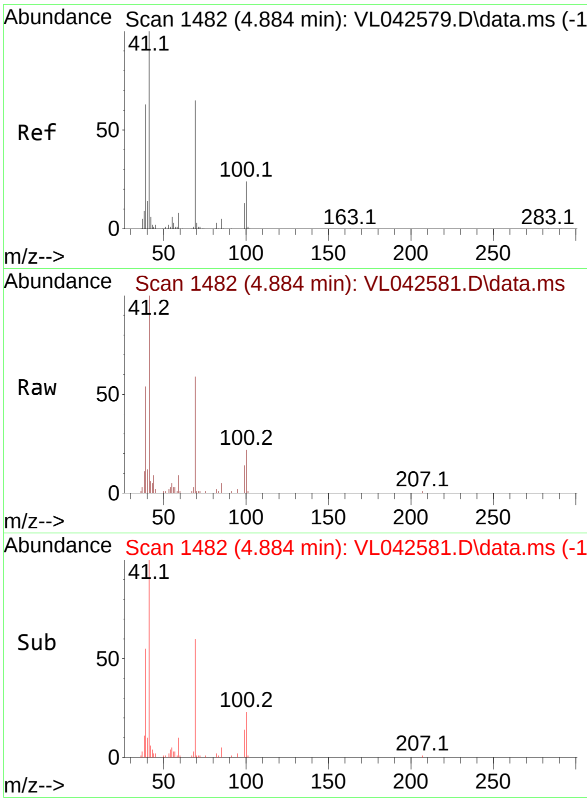


#42
Bromodichloromethane
Concen: 1.060 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 83 Resp: 22628

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.7	79.1
127	10.0	5.8	8.6#



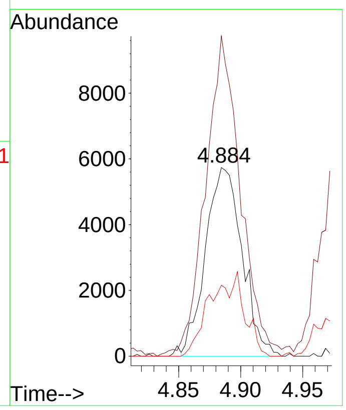


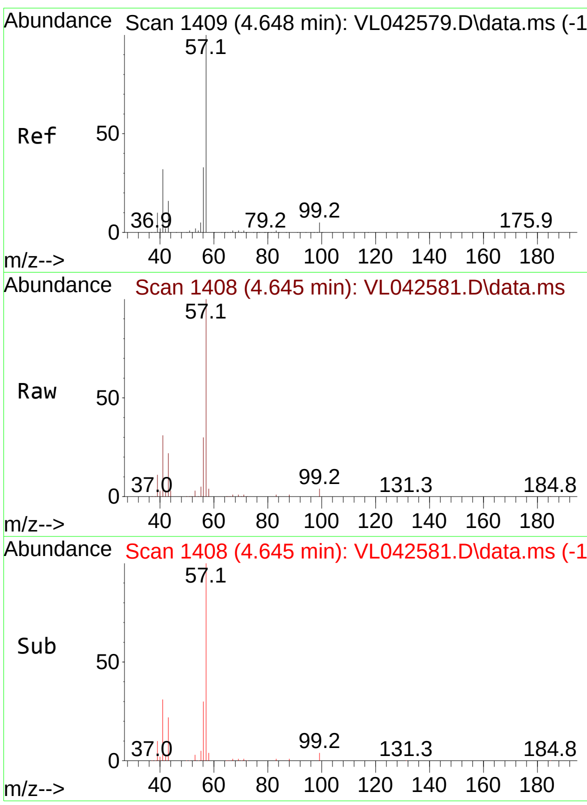
#43
Methyl Methacrylate
Concen: 1.007 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 11810

Ion	Ratio	Lower	Upper
69	100		
41	158.9	124.6	187.0
100	41.9	29.9	44.9

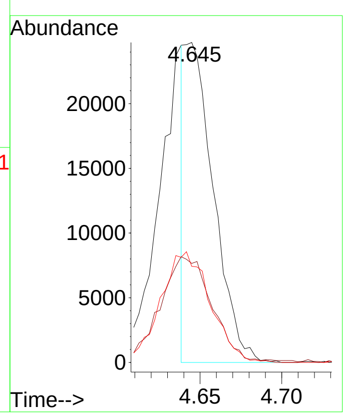


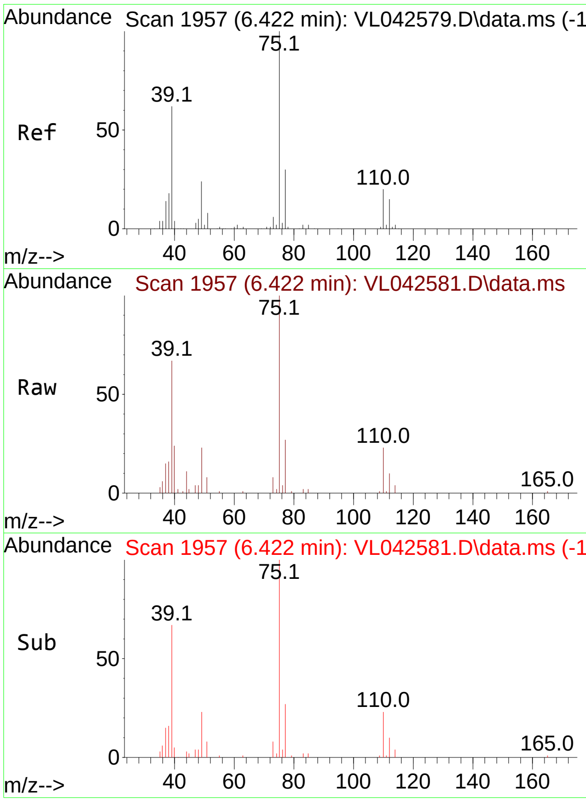


#44
2,2,4-Trimethylpentane
Concen: 0.588 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 57 Resp: 30389

Ion	Ratio	Lower	Upper
57	100		
41	62.0	26.1	39.1#
56	60.0	25.9	38.9#





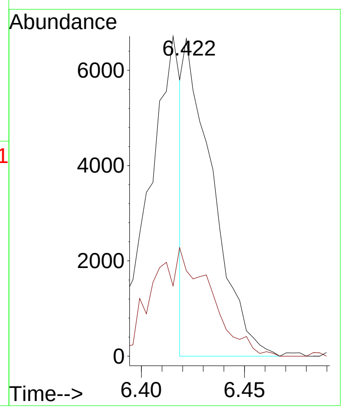
#45
t-1,3-Dichloropropene
Concen: 0.490 ppbv
RT: 6.422 min Scan# 1

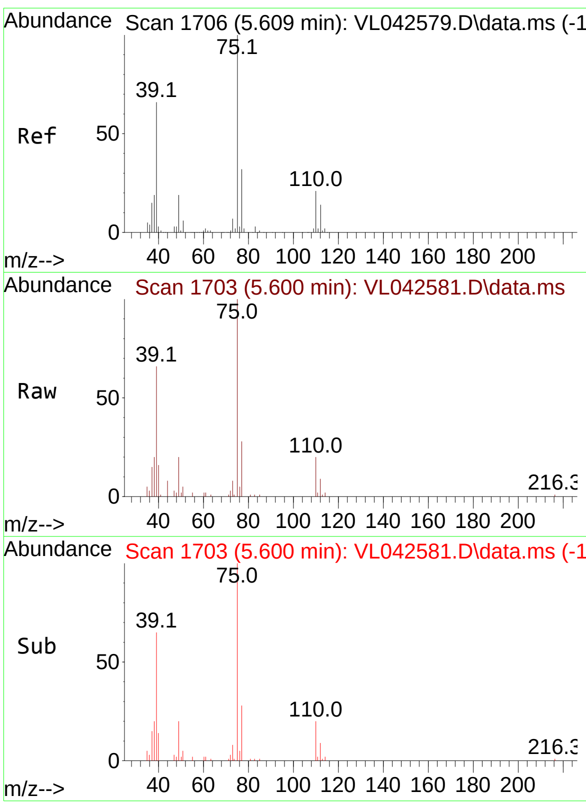
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 75 Resp: 6581

Ion	Ratio	Lower	Upper
75	100		
77	26.9	24.2	36.2

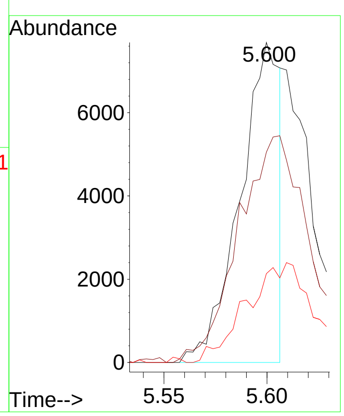




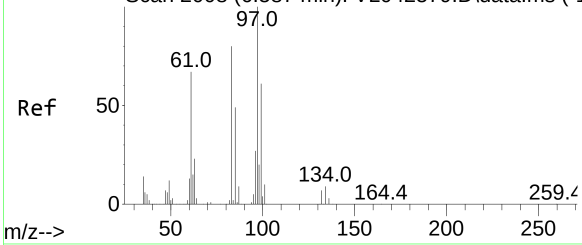
#46
cis-1,3-Dichloropropene
Concen: 0.614 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. -0.010 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 75 Resp: 10330

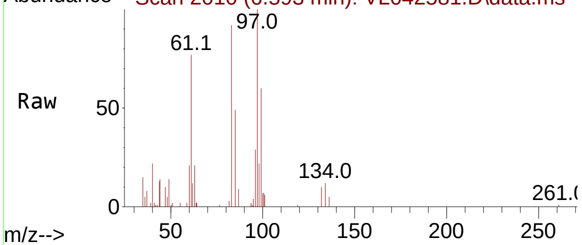
Ion	Ratio	Lower	Upper
75	100		
39	64.6	52.7	79.1
77	26.6	25.8	38.8



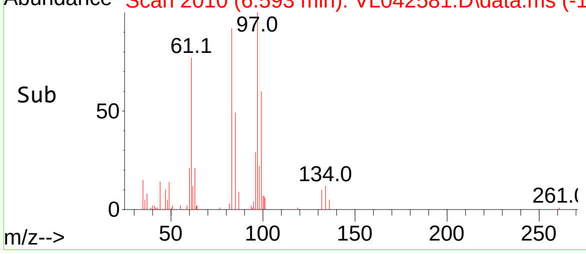
Scan 2008 (6.587 min): VL042579.D\data.ms (-1



Scan 2010 (6.593 min): VL042581.D\data.ms



Scan 2010 (6.593 min): VL042581.D\data.ms (-1

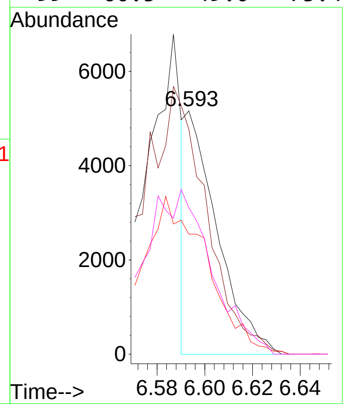


#47
1,1,2-Trichloroethane
Concen: 0.409 ppbv
RT: 6.593 min Scan# 2010
Delta R.T. 0.007 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

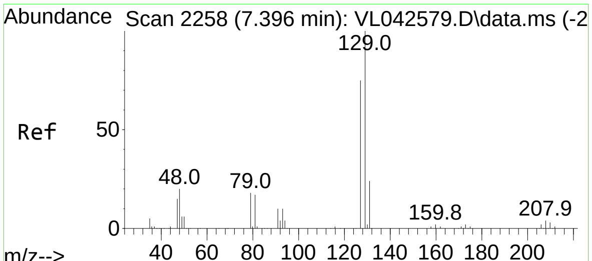
Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 4735

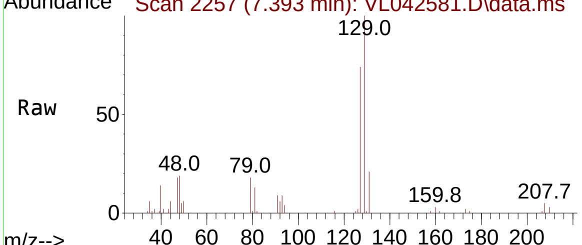
Ion	Ratio	Lower	Upper
97	100		
83	91.3	63.9	95.9
85	48.2	39.2	58.8
99	60.3	49.0	73.4



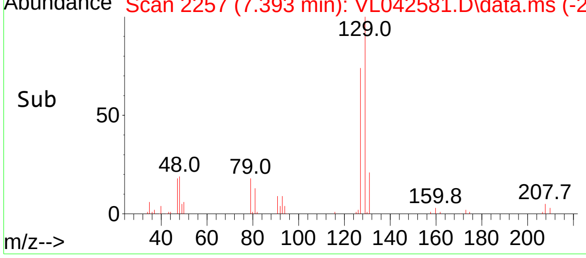
Scan 2258 (7.396 min): VL042579.D\data.ms (-2



Scan 2257 (7.393 min): VL042581.D\data.ms



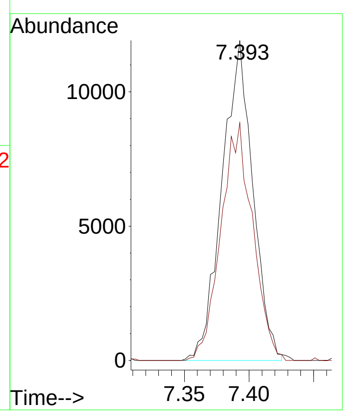
Scan 2257 (7.393 min): VL042581.D\data.ms (-2

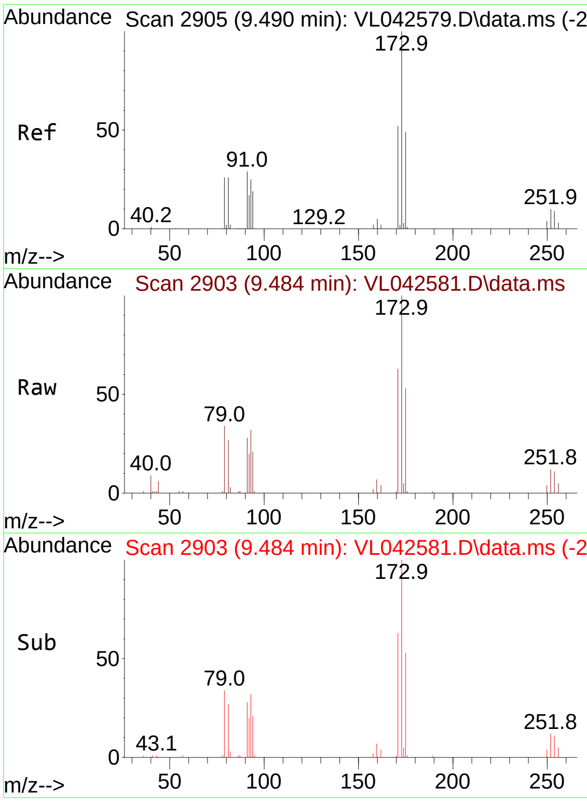


#48
Dibromochloromethane
Concen: 1.064 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:129 Resp: 19719

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.0	116.9



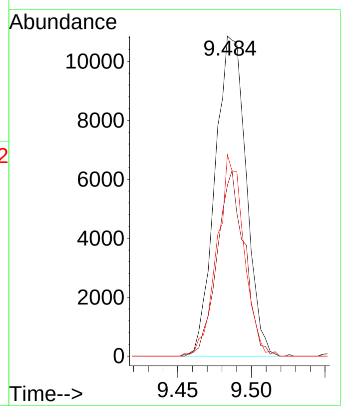


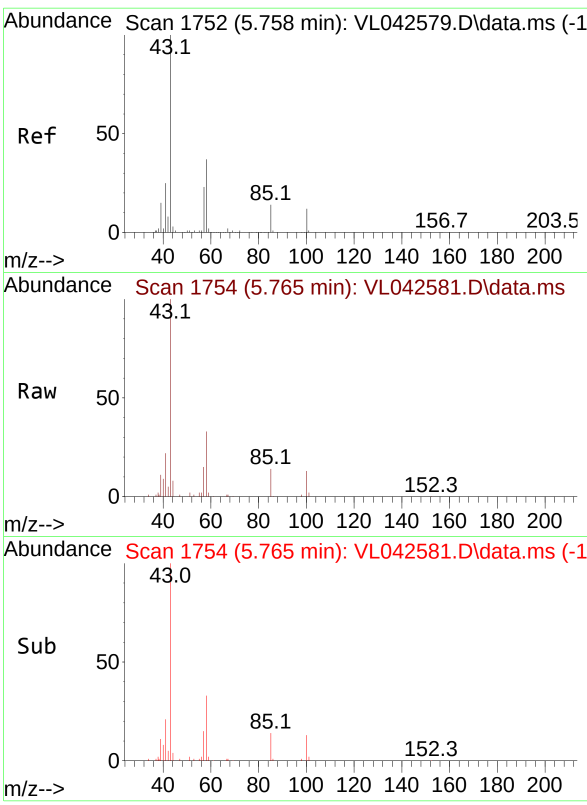
#49
Bromoform
Concen: 0.996 ppbv
RT: 9.484 min   Scan# 29
Delta R.T.   -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 15937

Ion	Ratio	Lower	Upper
173	100		
175	51.3	38.7	58.1
171	54.6	41.2	61.8

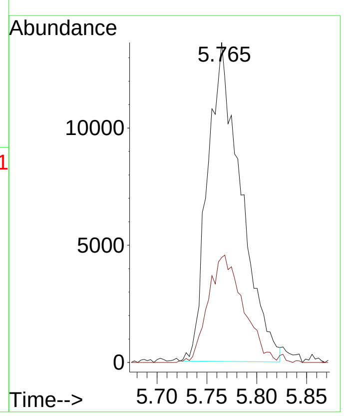


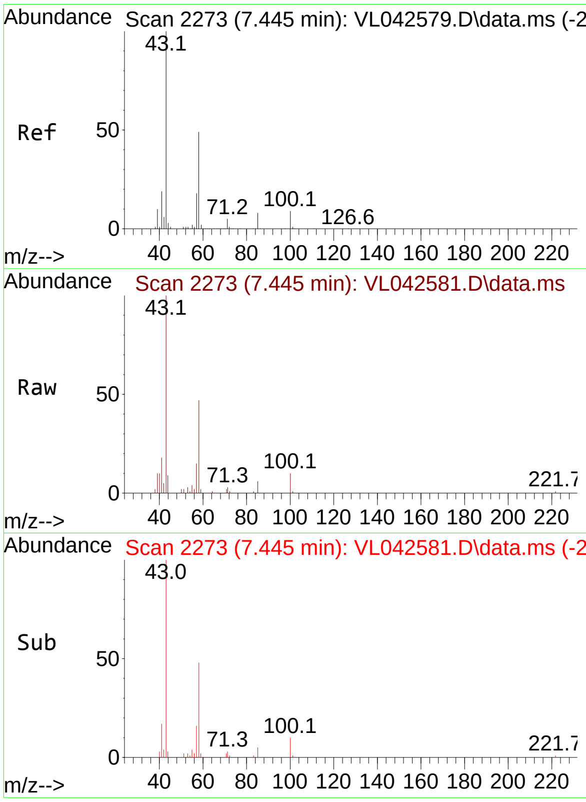


#50
4-Methyl-2-Pentanone
Concen: 1.037 ppbv
RT: 5.765 min   Scan# 1754
Delta R.T.   0.007 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion: 43 Resp: 31646

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.3	42.5



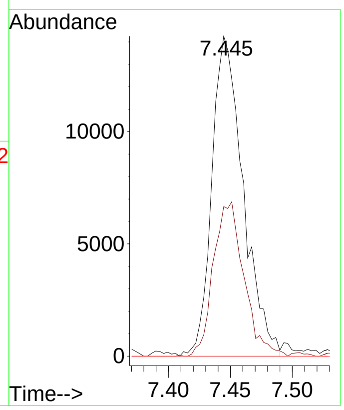


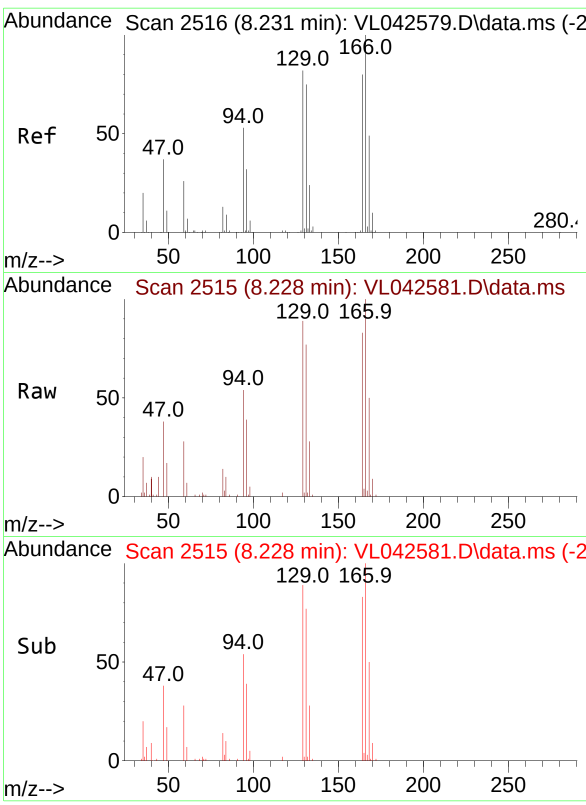
#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 25135

Ion	Ratio	Lower	Upper
43	100		
58	47.5	39.9	59.9
98	0.1	0.1	0.1#

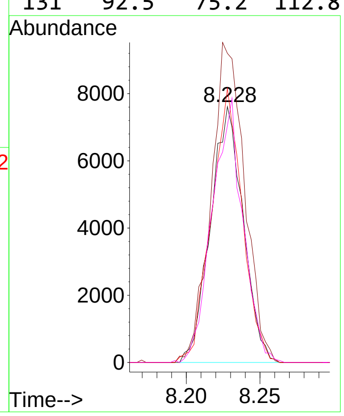


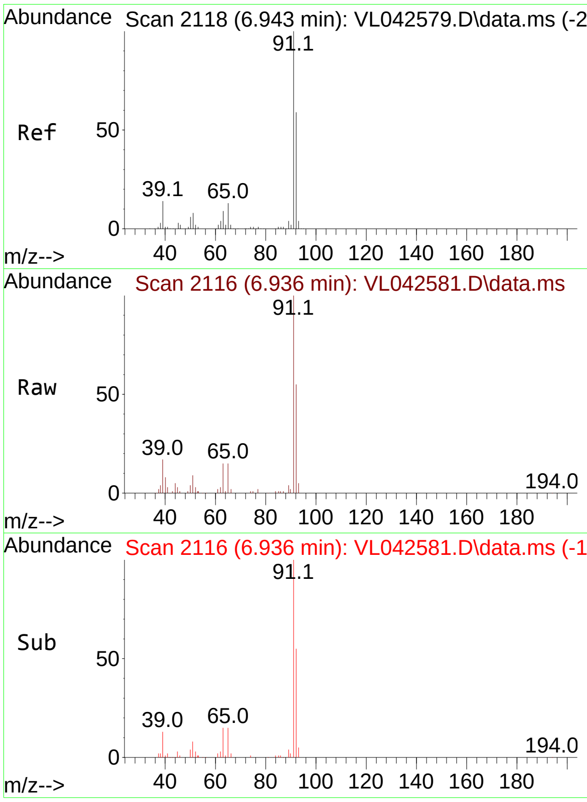


#52
Tetrachloroethene
Concen: 1.041 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:164 Resp: 11770

Ion	Ratio	Lower	Upper
164	100		
166	120.8	100.0	150.0
129	107.2	82.2	123.4
131	92.5	75.2	112.8



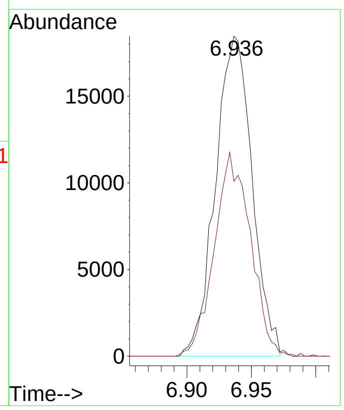


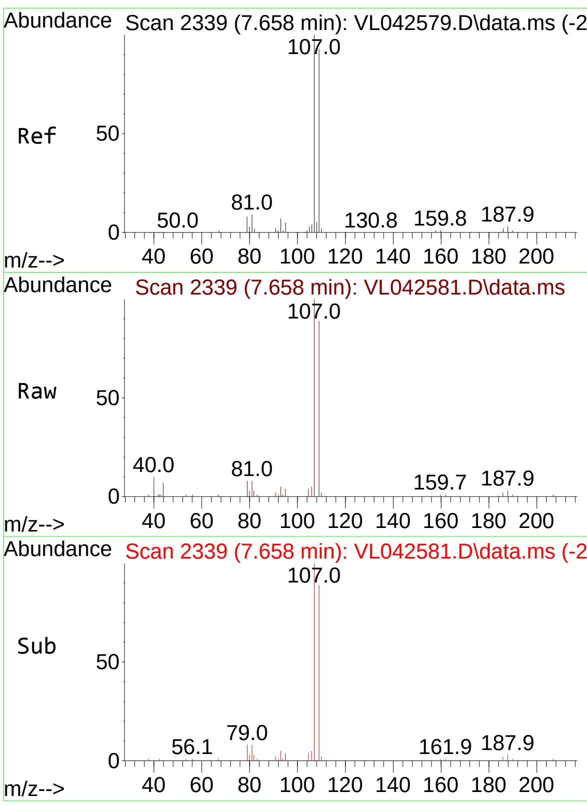
#53
Toluene
Concen: 1.045 ppbv
RT: 6.936 min   Scan# 2
Delta R.T.   -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 36540

Ion	Ratio	Lower	Upper
91	100		
92	62.6	48.2	72.4

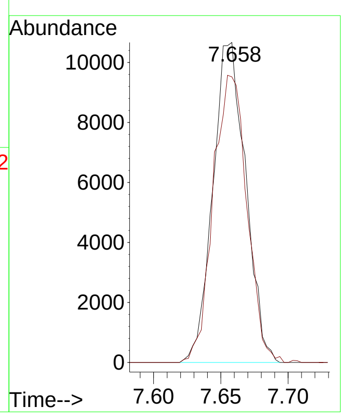


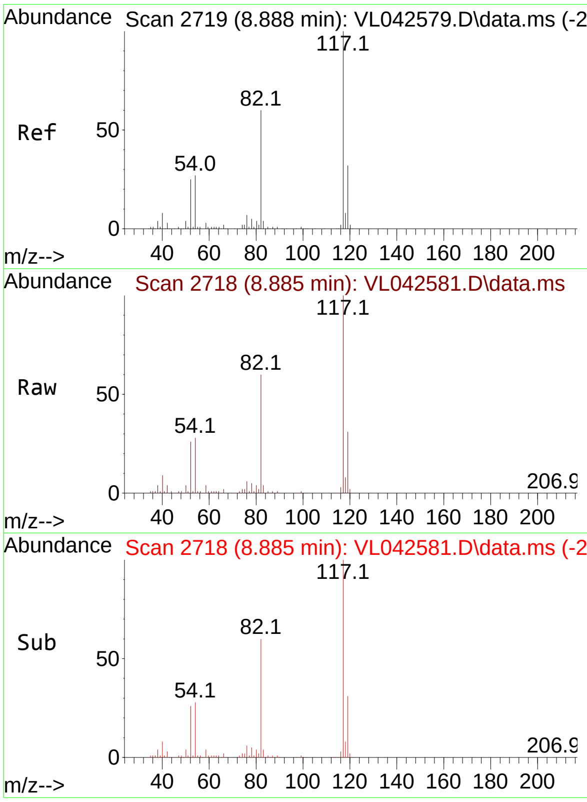


#54
1,2-Dibromoethane
Concen: 1.055 ppbv
RT: 7.658 min   Scan# 2339
Delta R.T.   0.000 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion:107 Resp: 18114

Ion	Ratio	Lower	Upper
107	100		
109	89.3	74.3	111.5



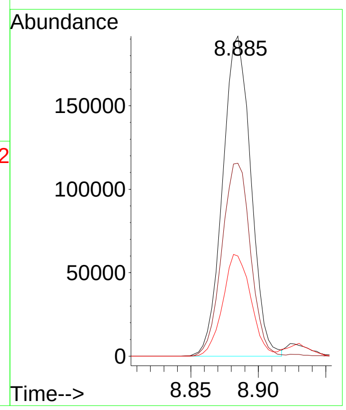


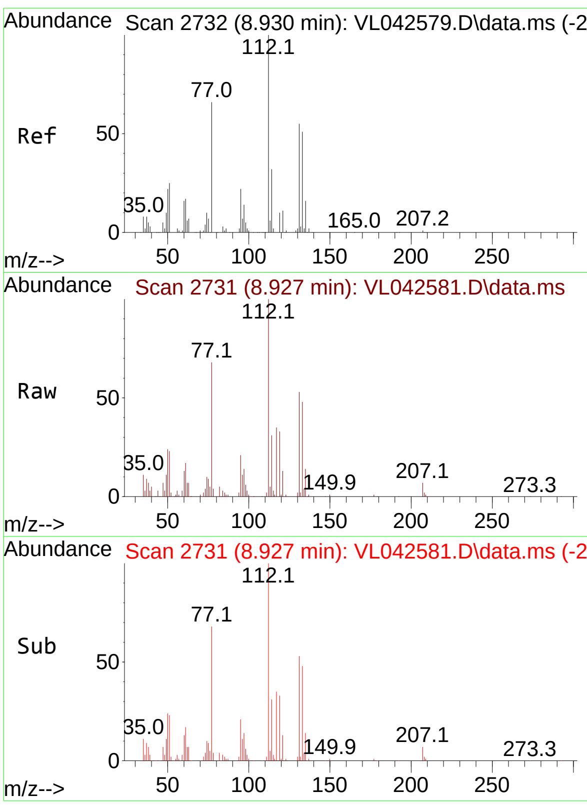
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 279402

Ion	Ratio	Lower	Upper
117	100		
82	61.5	51.2	76.8
119	31.7	26.3	39.5

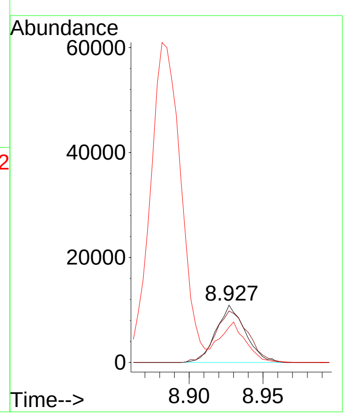


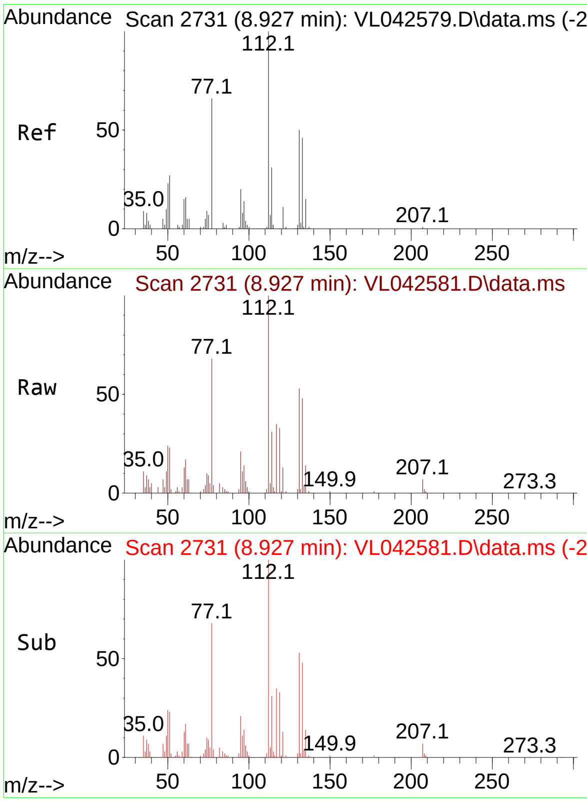


#56
1,1,1,2-Tetrachloroethane
Concen: 1.066 ppbv
RT: 8.927 min   Scan# 2731
Delta R.T.   -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025   12:15

Tgt Ion:131 Resp: 14971

Ion	Ratio	Lower	Upper
131	100		
133	101.1	75.0	112.6
119	62.0	50.8	76.2





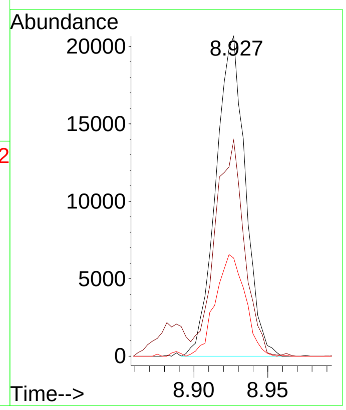
#57
Chlorobenzene
Concen: 1.058 ppbv
RT: 8.927 min Scan# 2

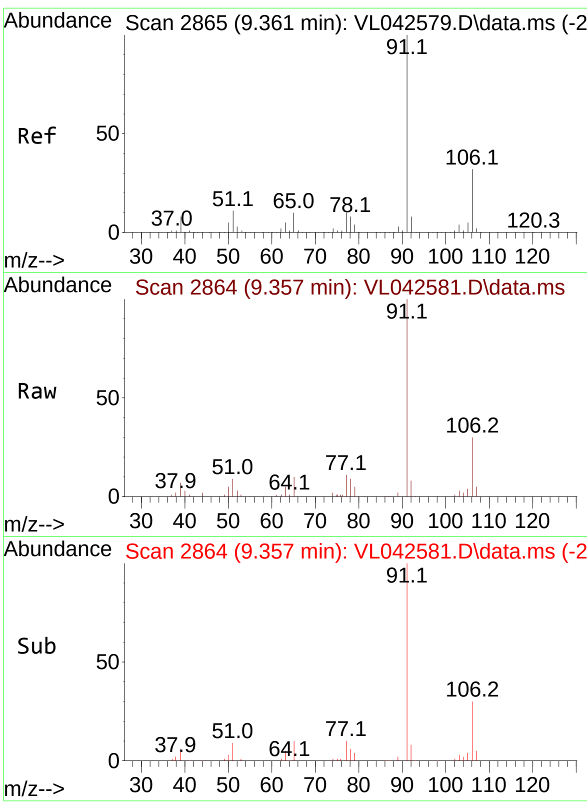
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:112 Resp: 28714

Ion	Ratio	Lower	Upper
112	100		
77	67.1	53.5	80.3
114	30.4	27.8	34.0

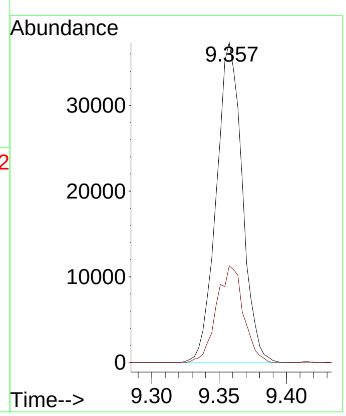


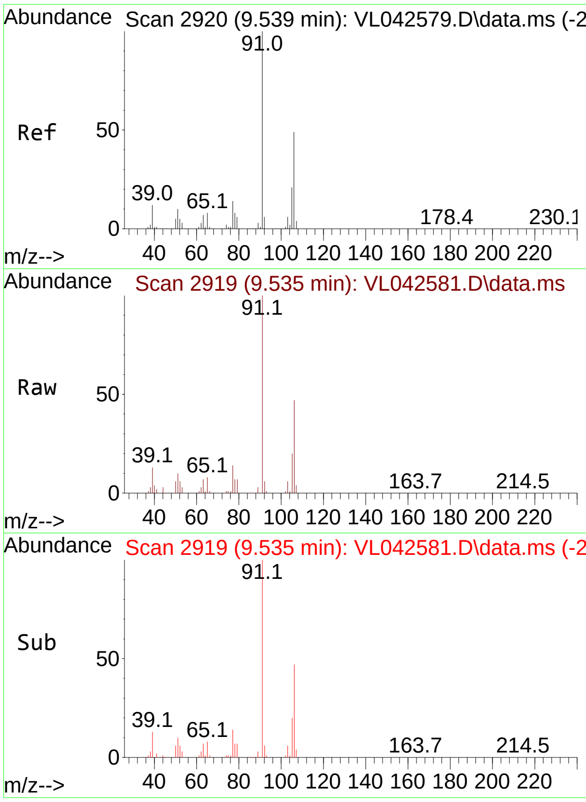


#58
Ethyl Benzene
Concen: 1.053 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 49899

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.9	38.9



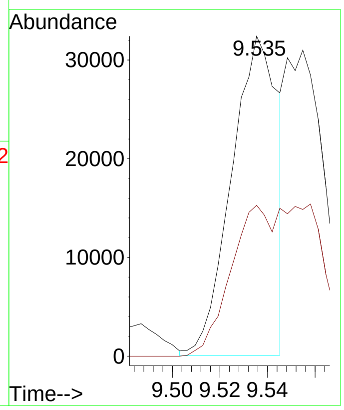


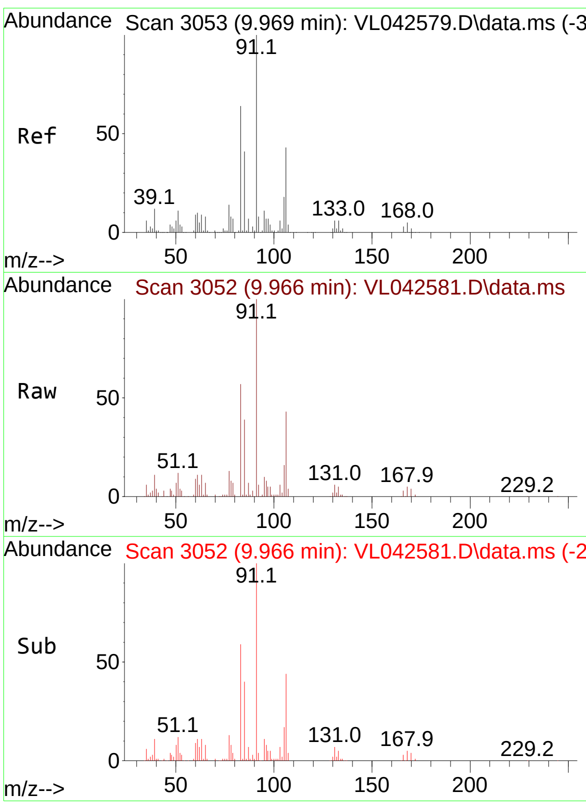
#59
m/p-Xylene
Concen: 1.163 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 43372

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

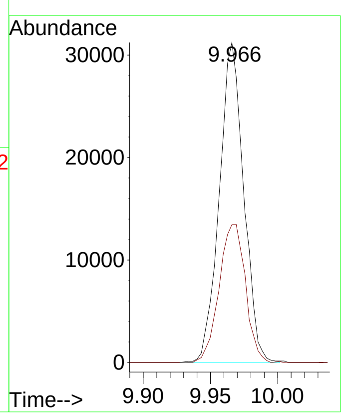


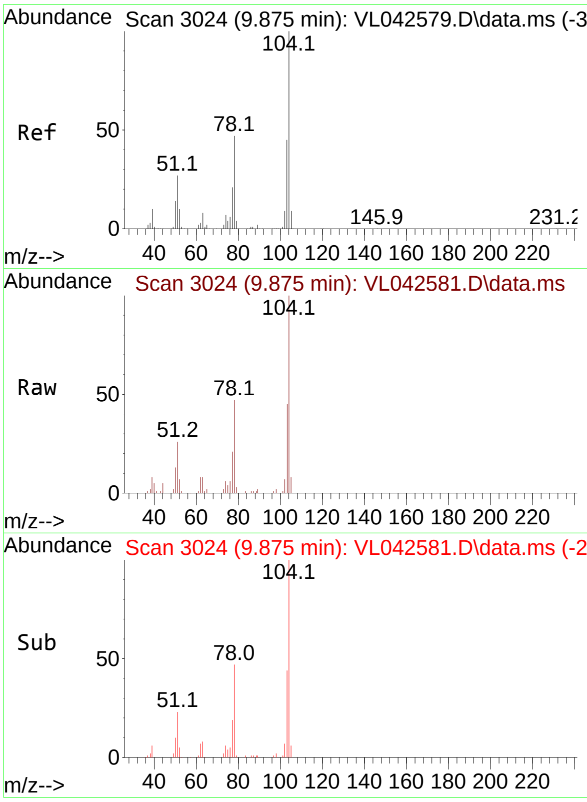


#60
o-Xylene
Concen: 1.059 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 39398

Ion	Ratio	Lower	Upper
91	100		
106	46.6	22.9	68.5





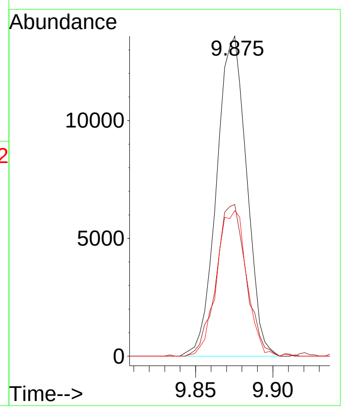
#61
Styrene
Concen: 1.045 ppbv
RT: 9.875 min Scan# 30

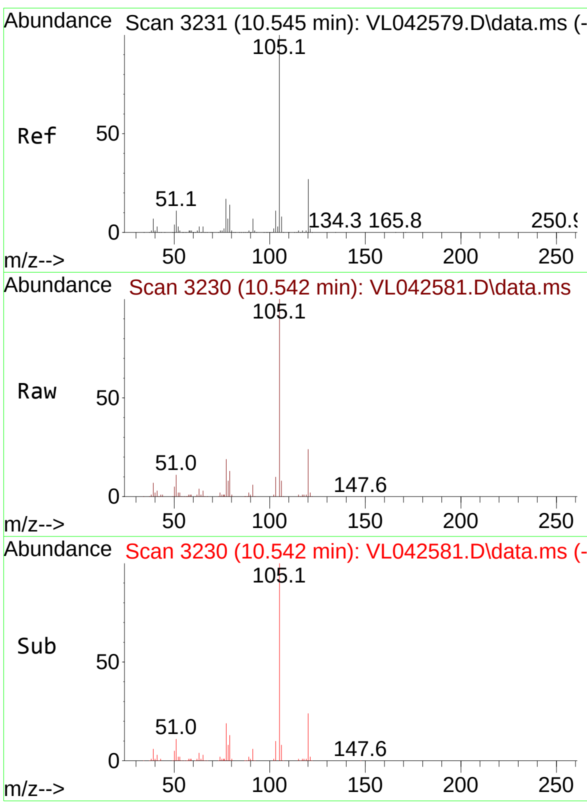
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:104 Resp: 18371

Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.4
103	45.5	36.7	55.1

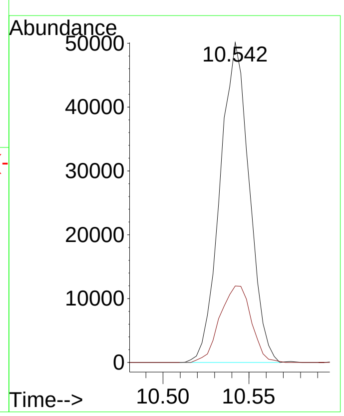


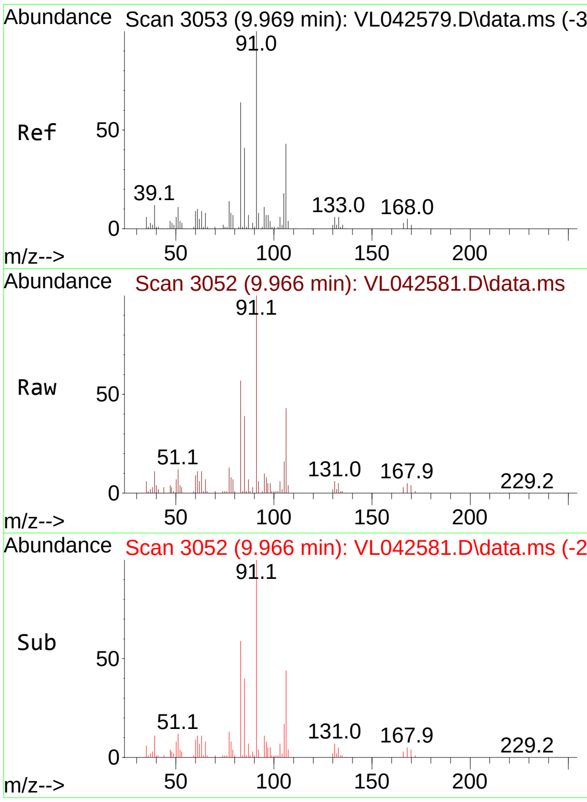


#62
Isopropylbenzene
Concen: 1.083 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 59492

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.9	31.3



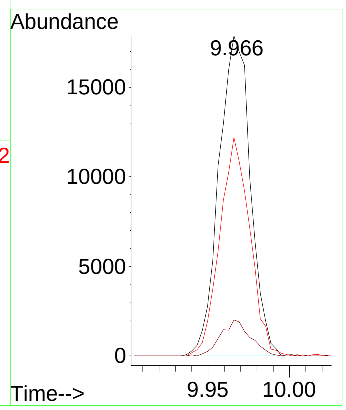


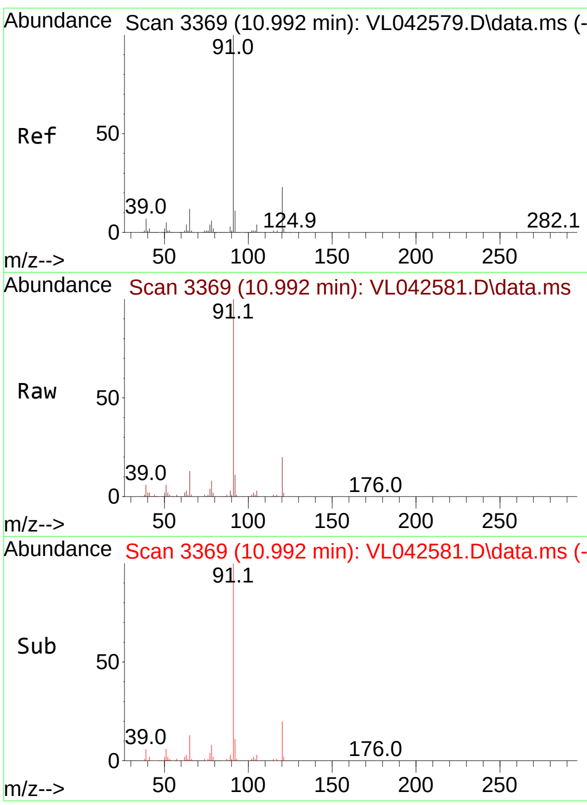
#63
1,1,2,2-Tetrachloroethane
Concen: 1.017 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 24057

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.4
85	65.3	32.5	97.4

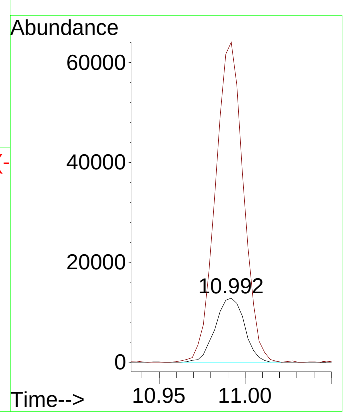


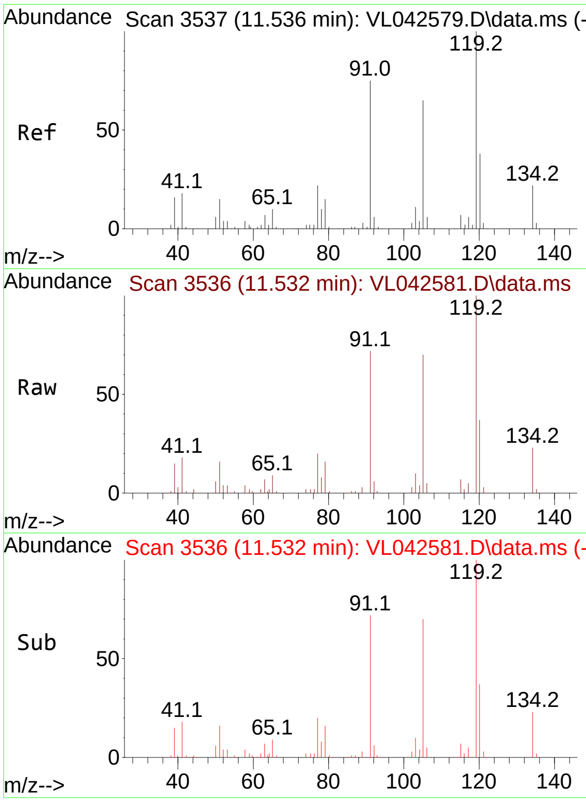


#64
n-propylbenzene
Concen: 1.026 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:120 Resp: 15107

Ion	Ratio	Lower	Upper
120	100		
91	480.9	363.0	544.6



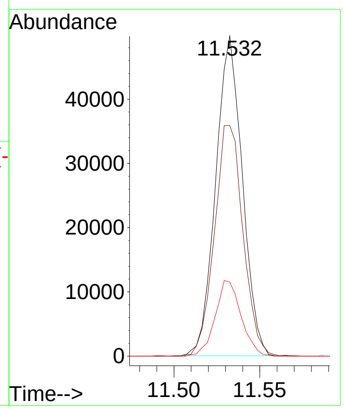


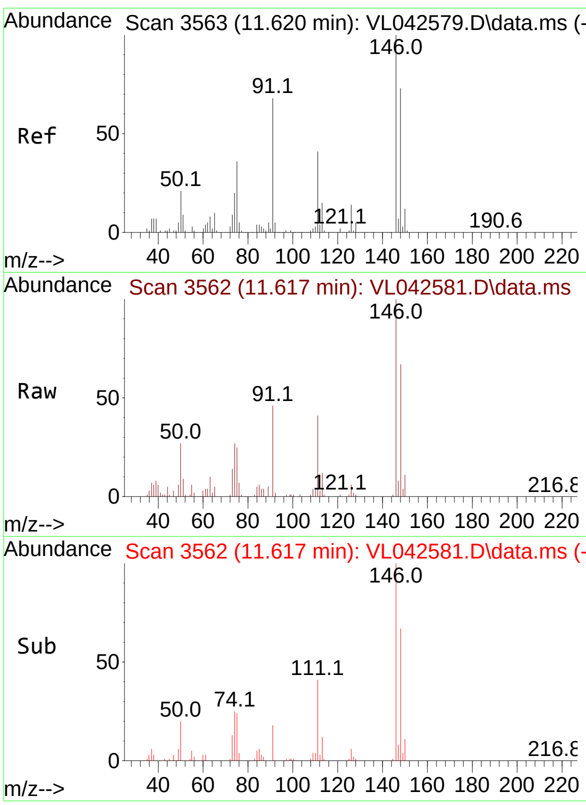
#65
tert-Butylbenzene
Concen: 1.077 ppbv
RT: 11.532 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 53720

Ion	Ratio	Lower	Upper
119	100		
91	77.4	61.1	91.7
134	23.0	17.4	26.2

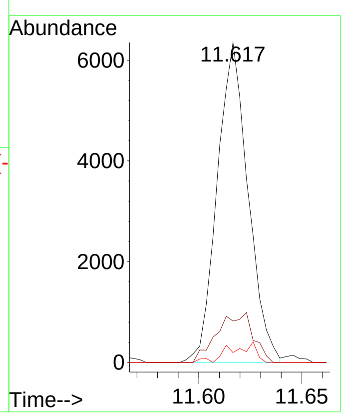


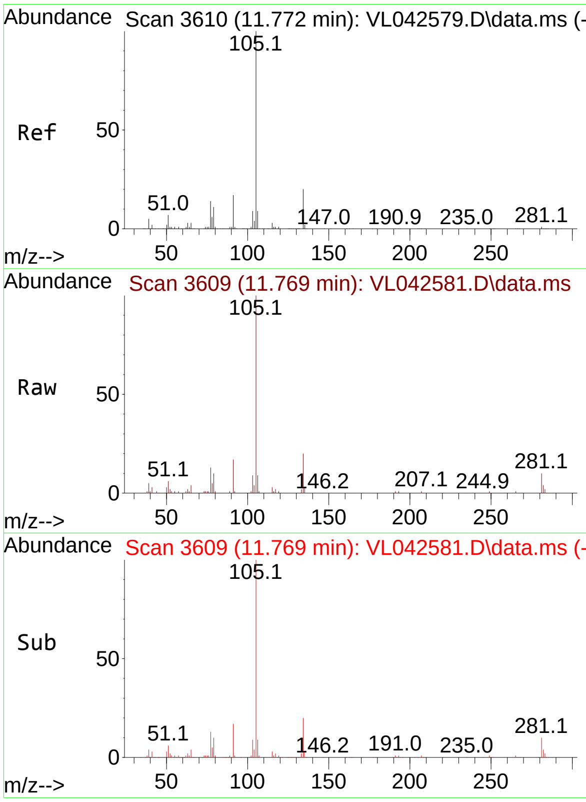


#66
Benzyl Chloride
Concen: 1.029 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 6617

Ion	Ratio	Lower	Upper
91	100		
126	18.1	15.1	22.7
128	5.3	5.0	7.6





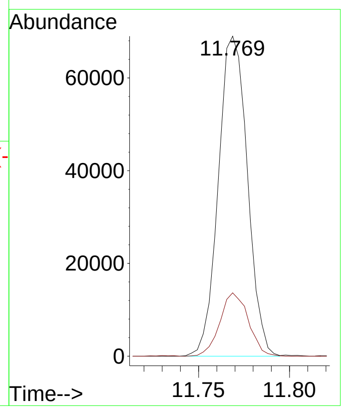
#67
sec-Butylbenzene
Concen: 1.093 ppbv
RT: 11.769 min Scan# 3(

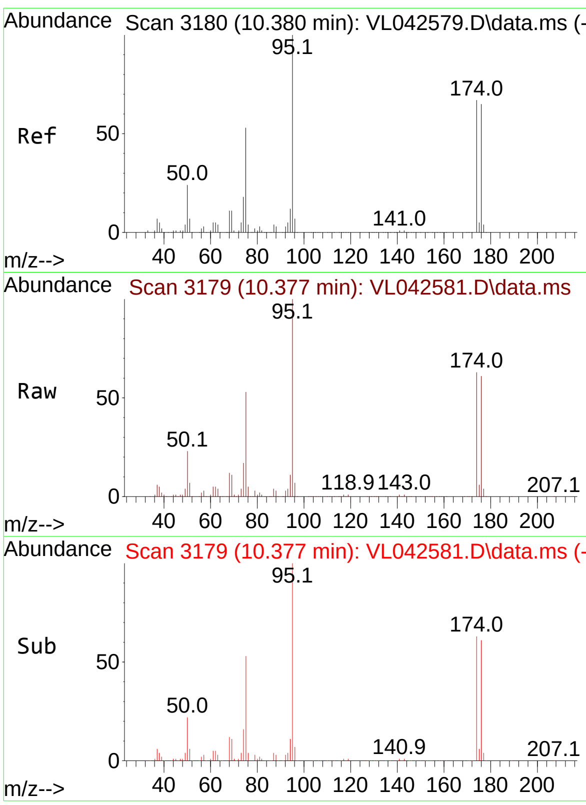
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Delta R.T.   -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 76631

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.8	23.6

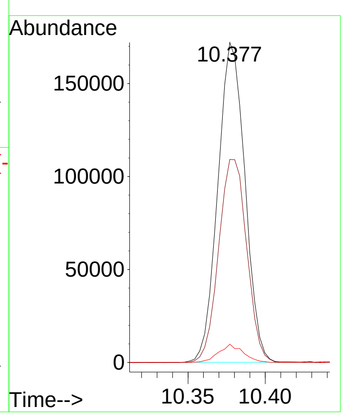


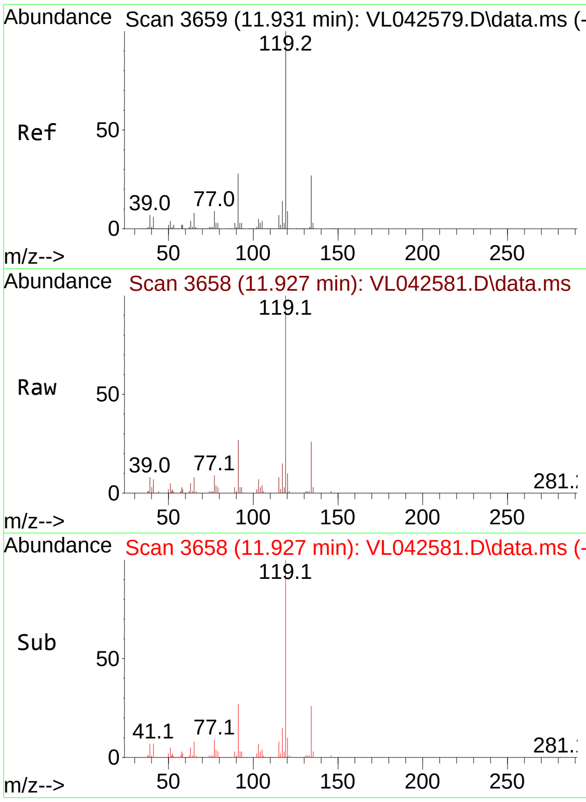


#68
1-Bromo-4-Fluorobenzene
Concen: 10.021 ppbv
RT: 10.377 min Scan# 3179
Delta R.T.   -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 95 Resp: 209886

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.1	79.7
175	5.1	4.2	6.2



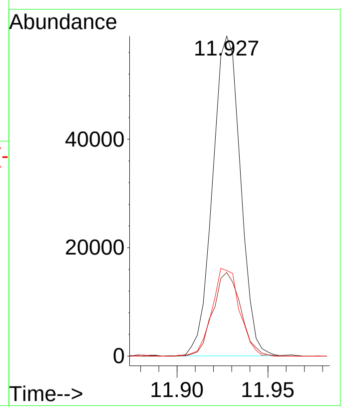


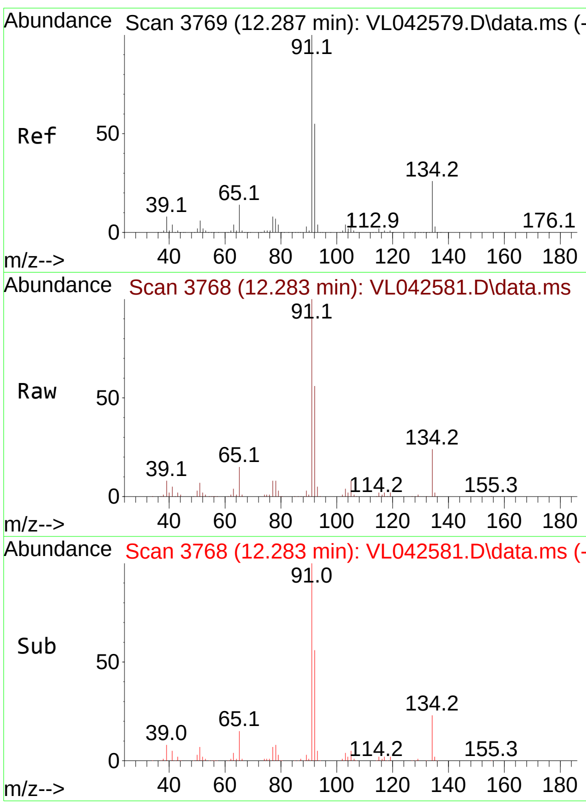
#69
p-Isopropyltoluene
Concen: 1.070 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 62849

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.4	21.9	32.9

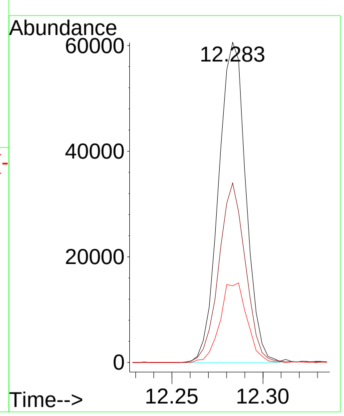


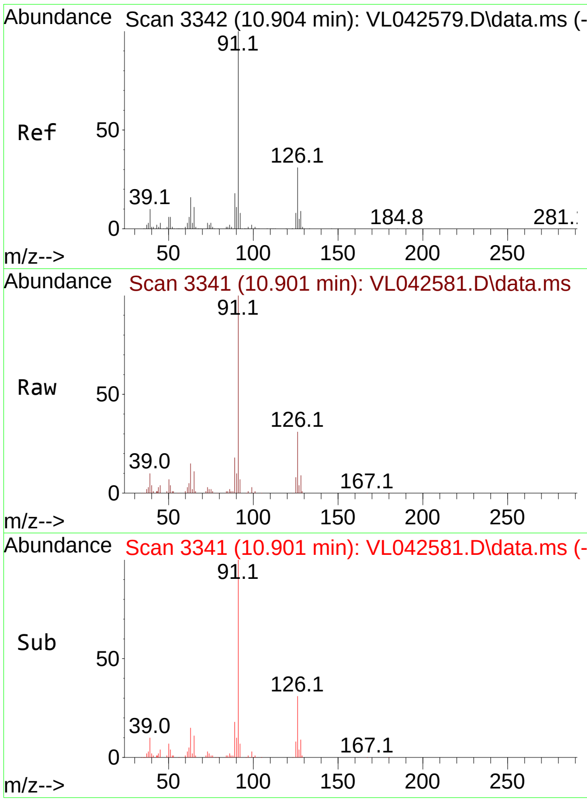


#70
n-Butylbenzene
Concen: 1.093 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 63350

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	24.8	20.1	30.1



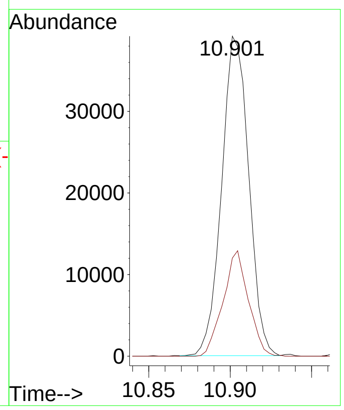


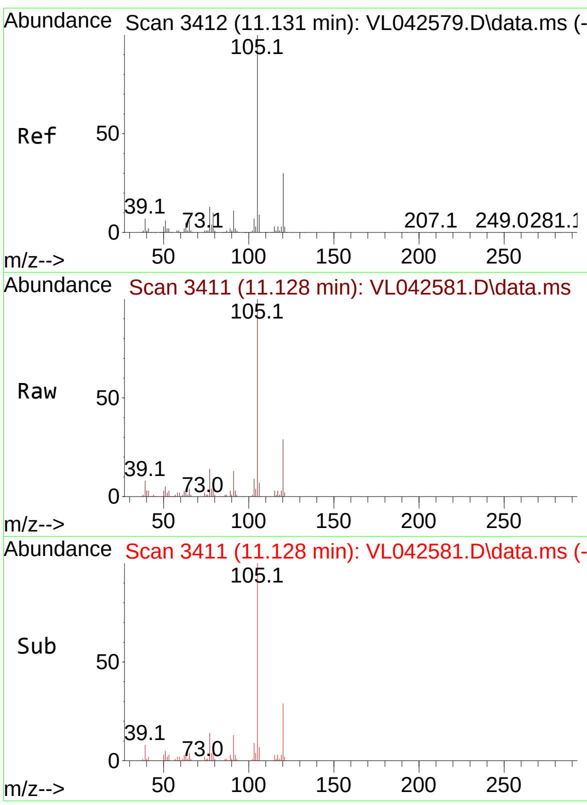
#71
2-Chlorotoluene
Concen: 1.080 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 45250

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.6	50.4

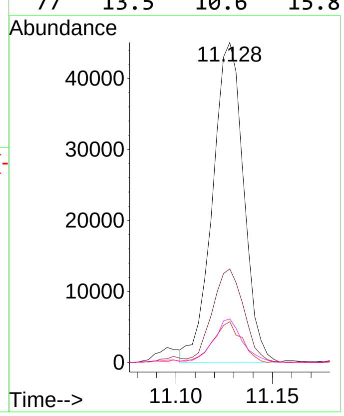


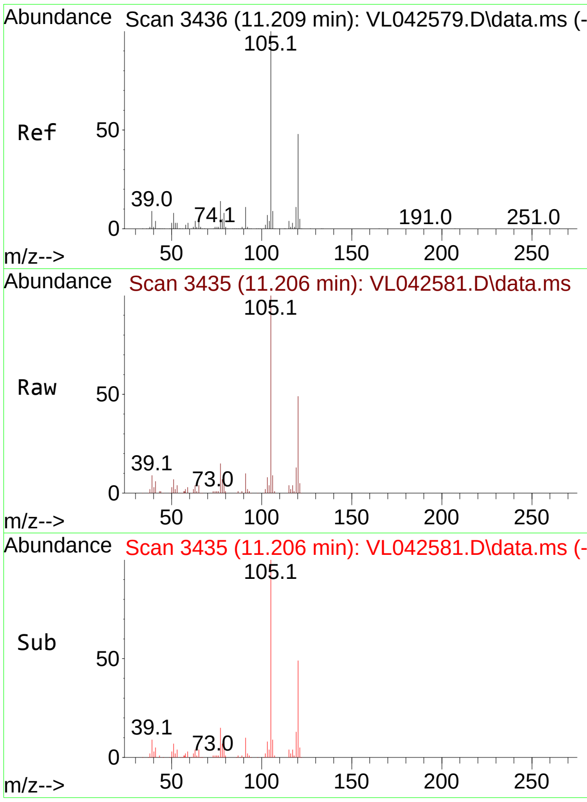


#72
4-Ethyltoluene
Concen: 1.083 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 50214

Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.6	36.8
91	12.6	9.6	14.4
77	13.5	10.6	15.8



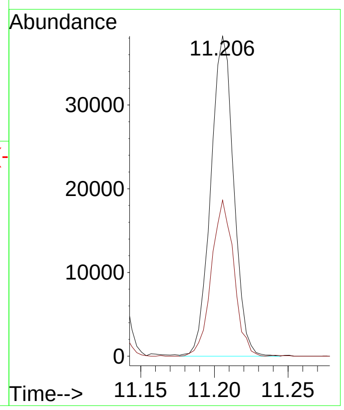


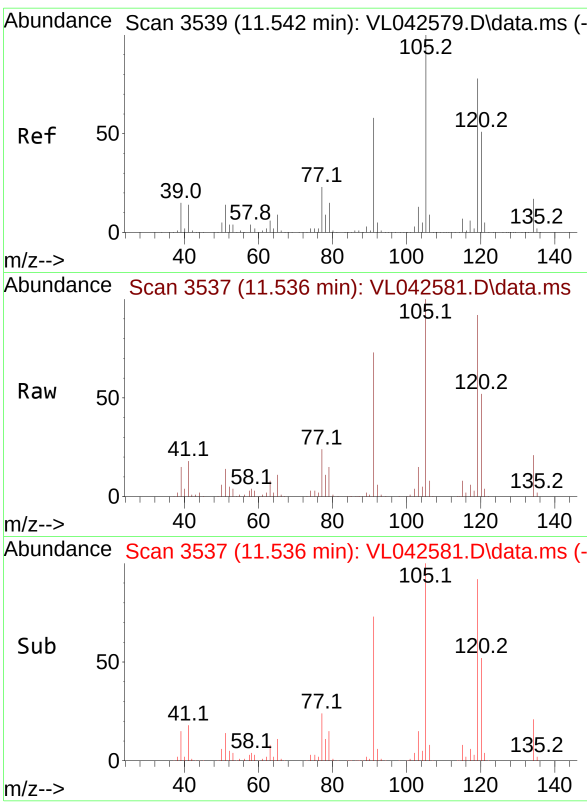
#73
1,3,5-Trimethylbenzene
Concen: 1.079 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 41412

Ion	Ratio	Lower	Upper
105	100		
120	48.7	38.8	58.2

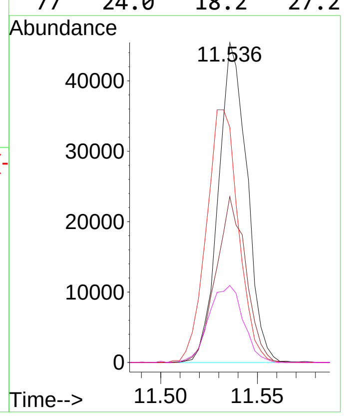


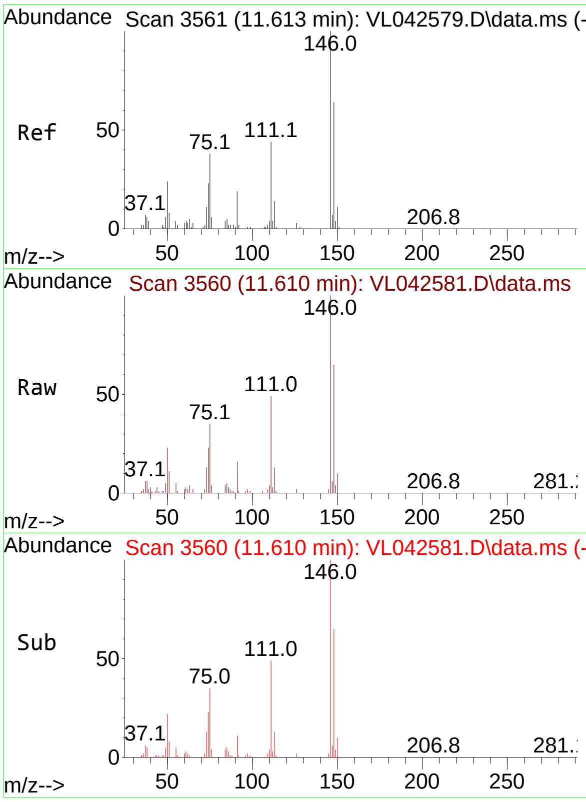


#74
1,2,4-Trimethylbenzene
Concen: 1.099 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 46810

Ion	Ratio	Lower	Upper
105	100		
120	51.5	40.8	61.2
91	73.3	46.8	70.2#
77	24.0	18.2	27.2



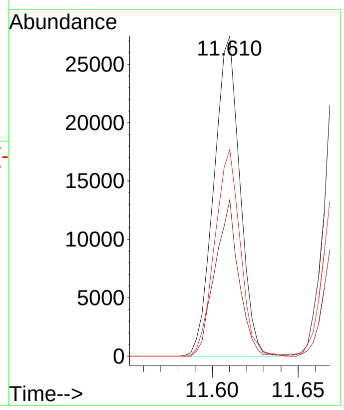


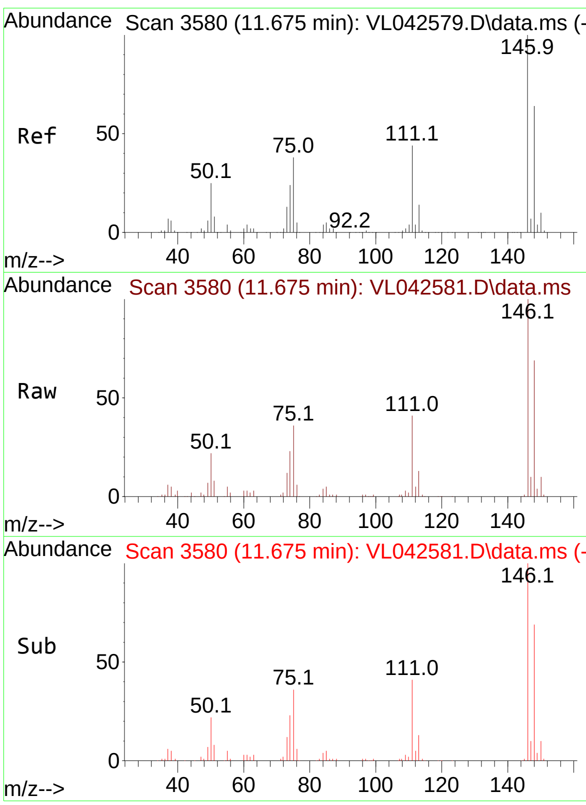
#75
1,3-Dichlorobenzene
Concen: 1.080 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 28889

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	63.1	32.0	96.2

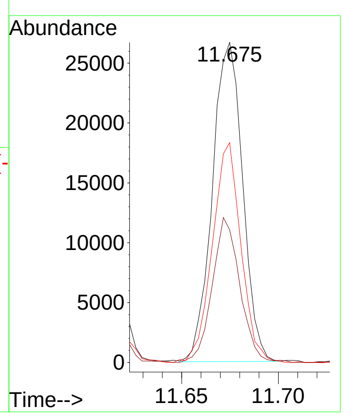


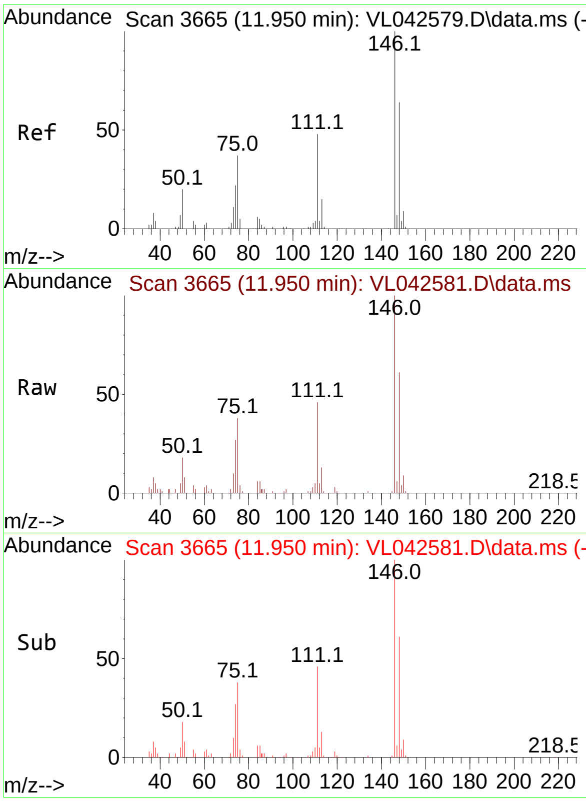


#76
1,4-Dichlorobenzene
Concen: 1.089 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:146 Resp: 29060

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.6	64.8
148	64.9	32.1	96.5



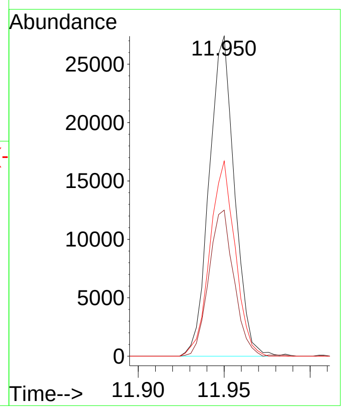


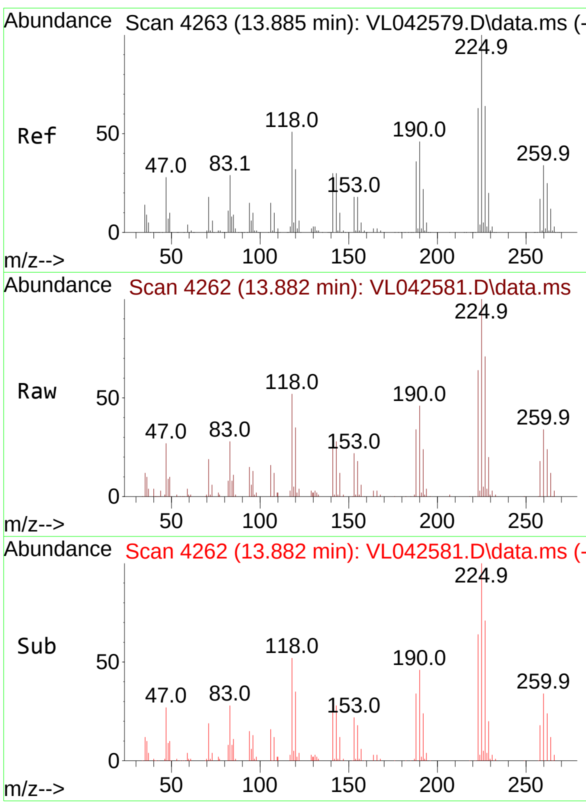
#77
1,2-Dichlorobenzene
Concen: 1.085 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 28176

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.1	69.3
148	60.6	32.1	96.3

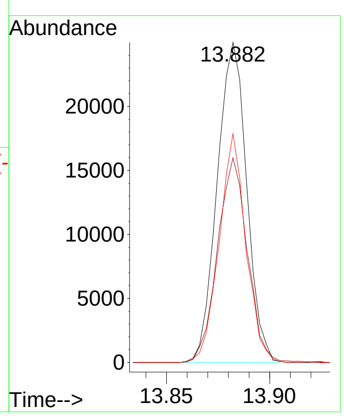


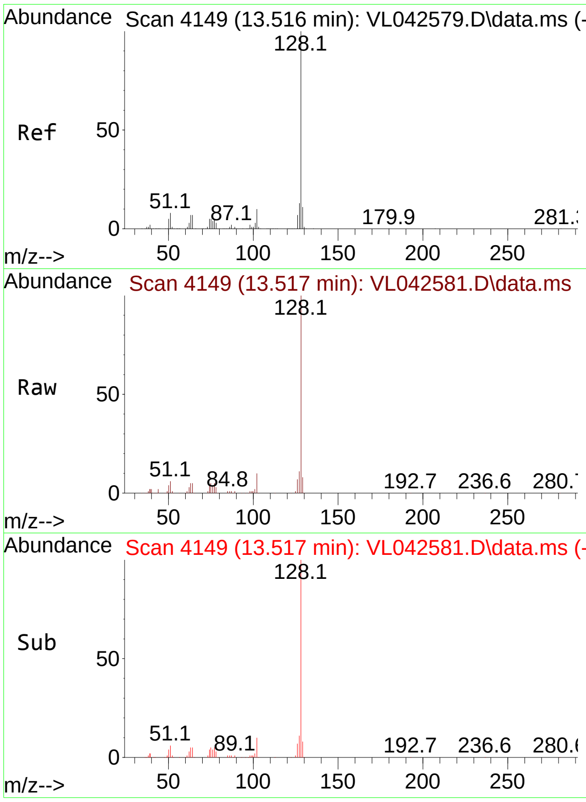


#78
Hexachloro-1,3-Butadiene
Concen: 1.162 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:225 Resp: 24950

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.2	75.4
227	64.6	51.1	76.7



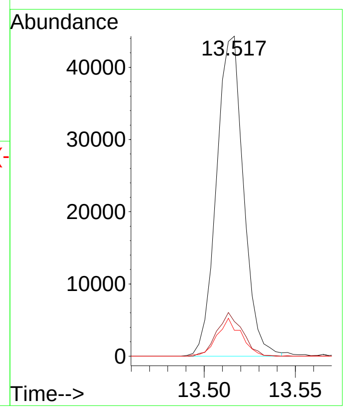


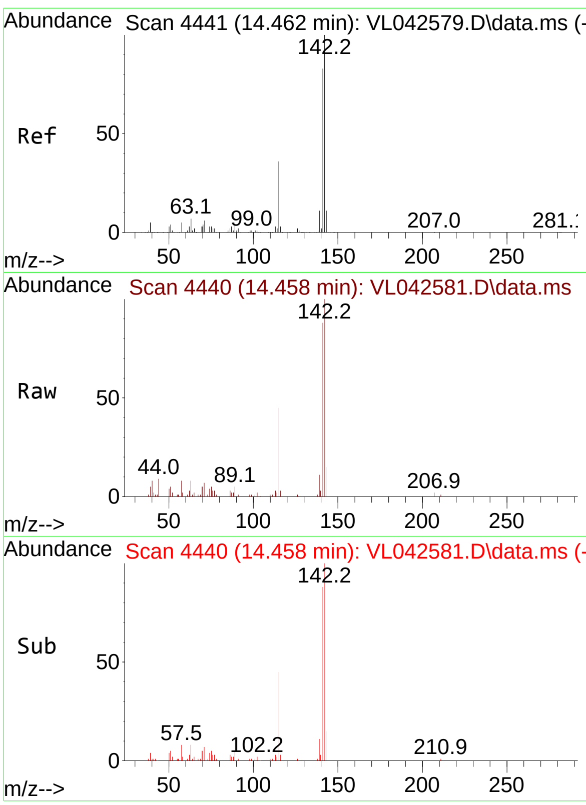
#79
Naphthalene
Concen: 1.141 ppbv
RT: 13.517 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 45649

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.4
129	8.1	8.8	13.2#

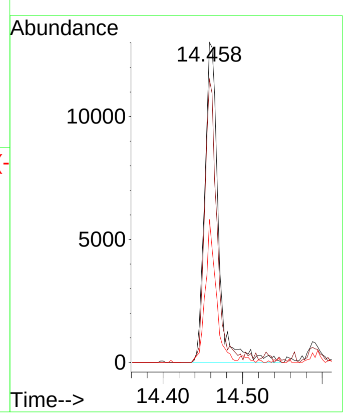


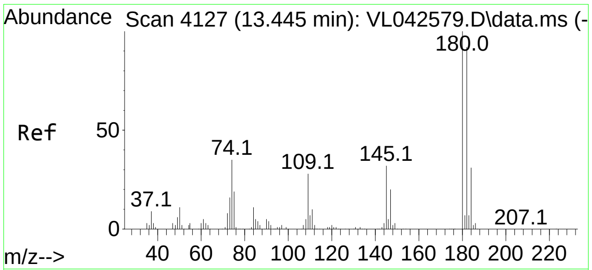


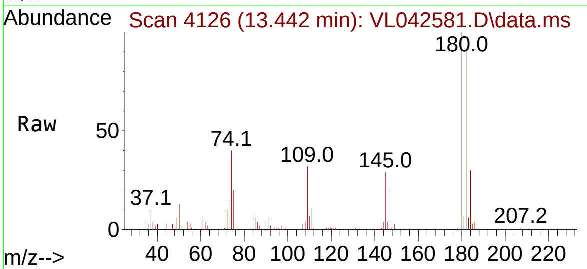
#80
Naphthalene,2-methyl-
Concen: 0.866 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

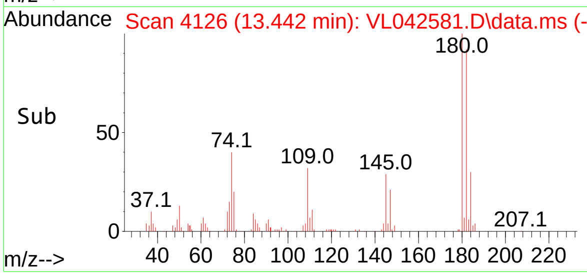
Tgt Ion:142 Resp: 15700

Ion	Ratio	Lower	Upper
142	100		
141	78.1	66.2	99.4
115	36.5	28.3	42.5







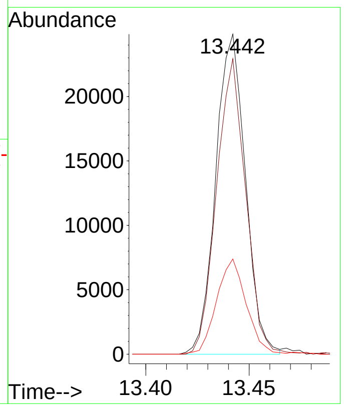


#81
1,2,4-Trichlorobenzene
Concen: 1.108 ppbv
RT: 13.442 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 24843

Ion	Ratio	Lower	Upper
180	100		
182	90.6	75.0	112.4
184	30.0	24.6	36.8



Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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	695	0.888	ppbv	96
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	3.862	84	3216	0.252	ppbv #	1
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	4173	0.376	ppbv	97
40) 1,4-Dioxane	4.609	88	1661	0.352	ppbv #	1
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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	6845	0.410 ppbv	98
47) 1,1,2-Trichloroethane	6.584	97	3090	0.269 ppbv #	87
48) Dibromochloromethane	7.399	129	5119	0.278 ppbv #	10
49) Bromoform	9.484	173	7974	0.503 ppbv	98
50) 4-Methyl-2-Pentanone	5.771	43	8451	0.279 ppbv #	31
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	9.536	91	14666	0.398 ppbv #	29
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	1398	0.220 ppbv #	64
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

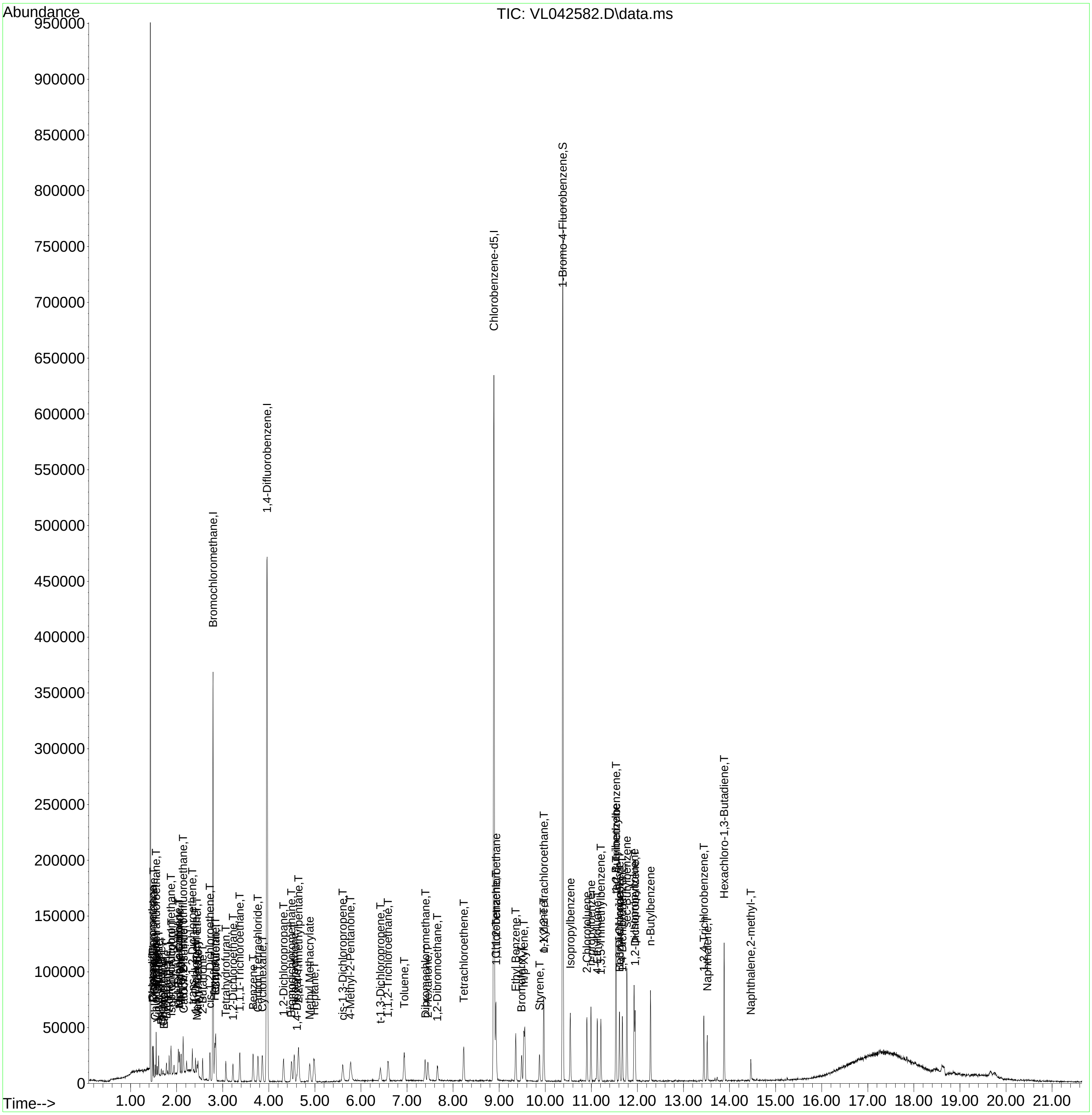
(#) = qualifier out of range (m) = manual integration (+) = signals summed

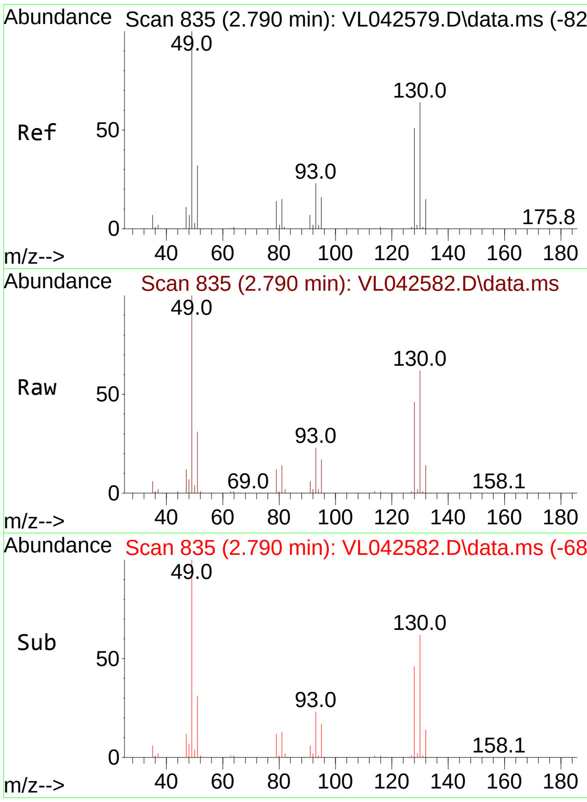
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration





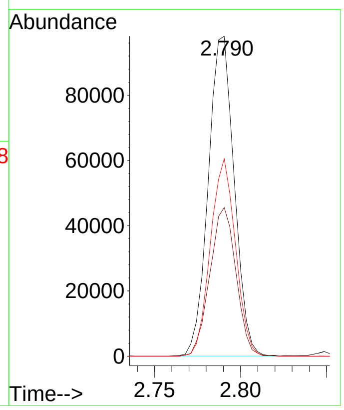
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8

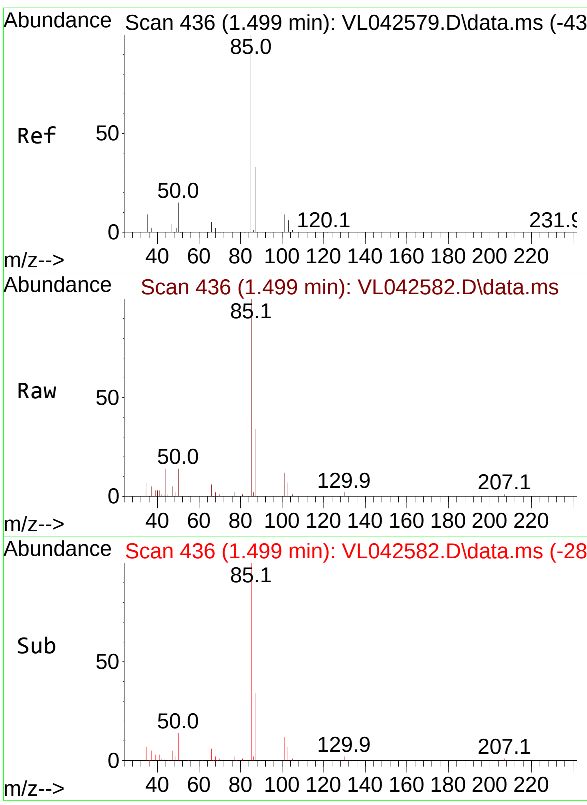
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 49 Resp: 102909

Ion	Ratio	Lower	Upper
49	100		
128	46.9	24.2	72.6
130	59.7	30.4	91.2

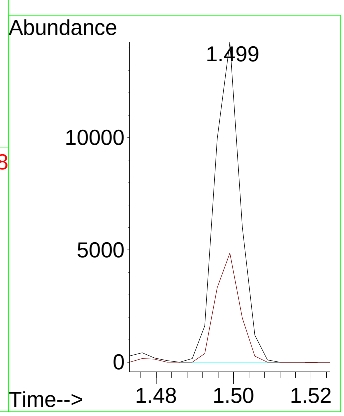


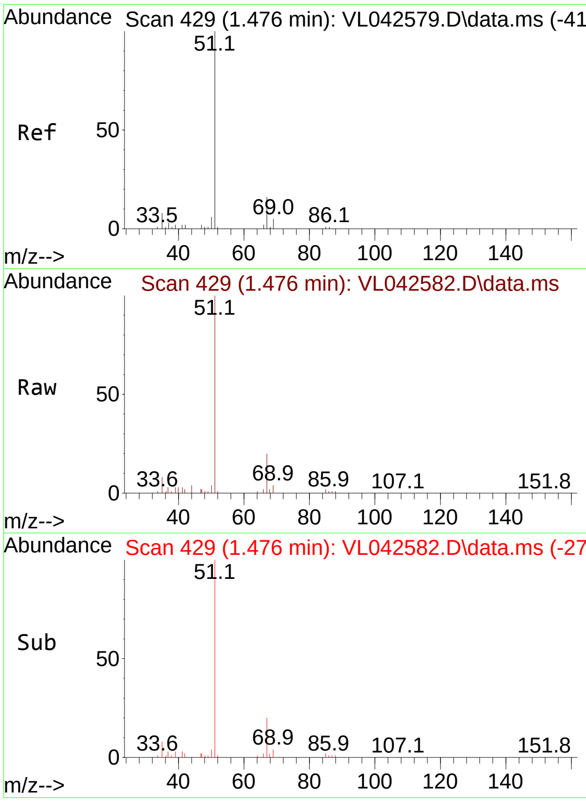


#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 85 Resp: 6470

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.6	39.8





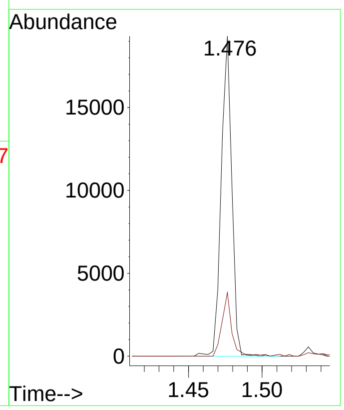
#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 1.476 min   Scan# 4

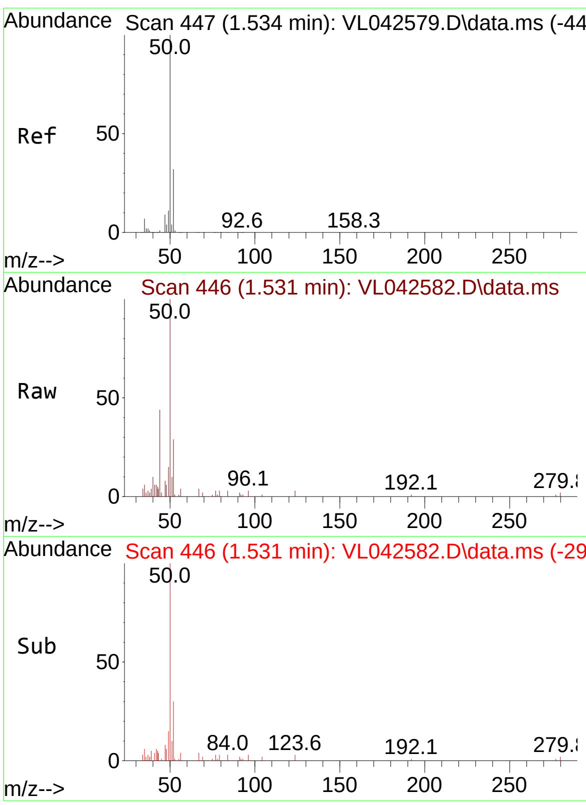
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 51 Resp: 9678

Ion	Ratio	Lower	Upper
51	100		
67	18.4	13.4	20.2

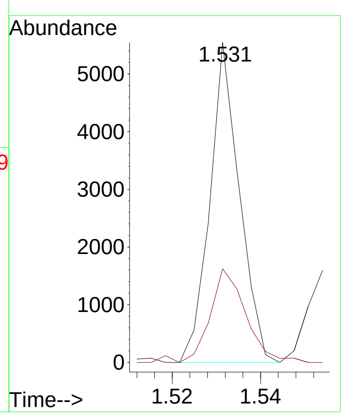


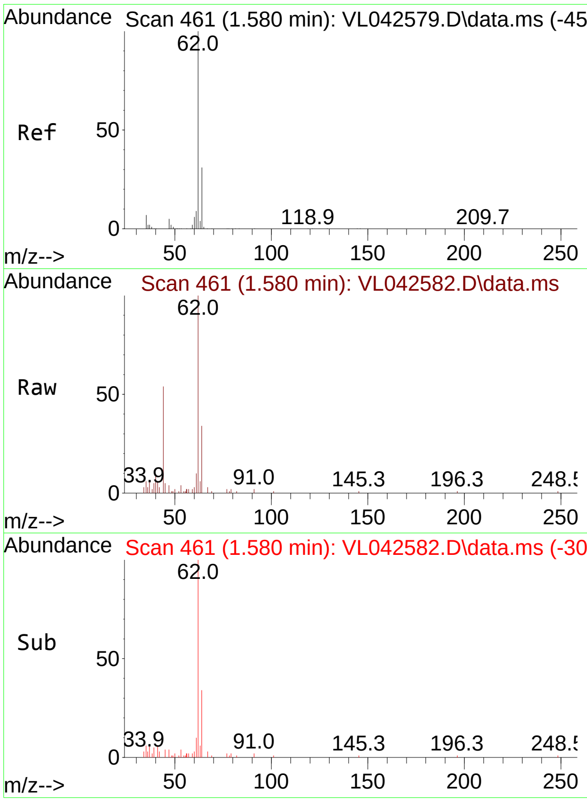


#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min   Scan# 446
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 50 Resp: 2584

Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.8	38.6



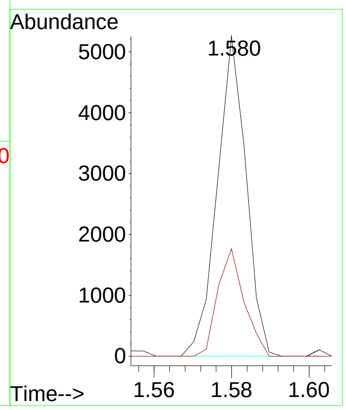


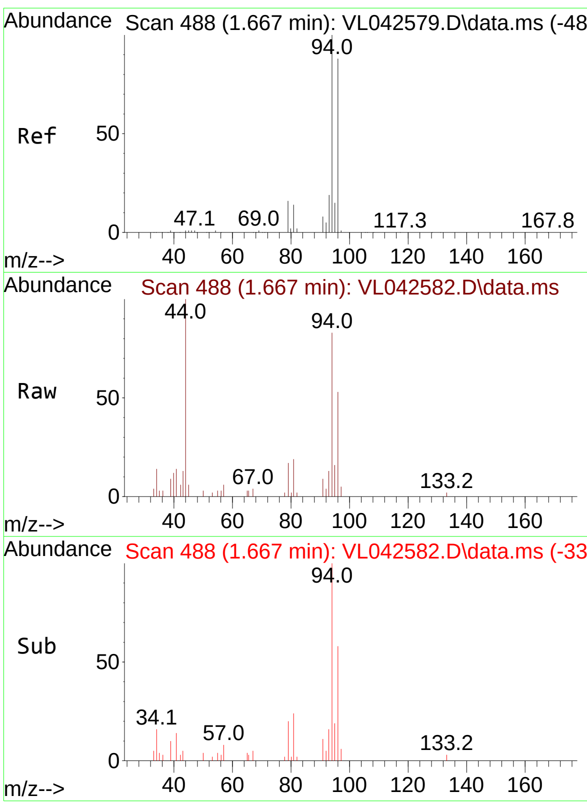
#5
Vinyl Chloride
Concen: 0.533 ppbv
RT: 1.580 min   Scan# 4(
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 2721

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.9	37.3

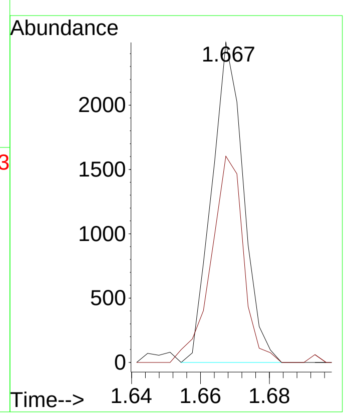


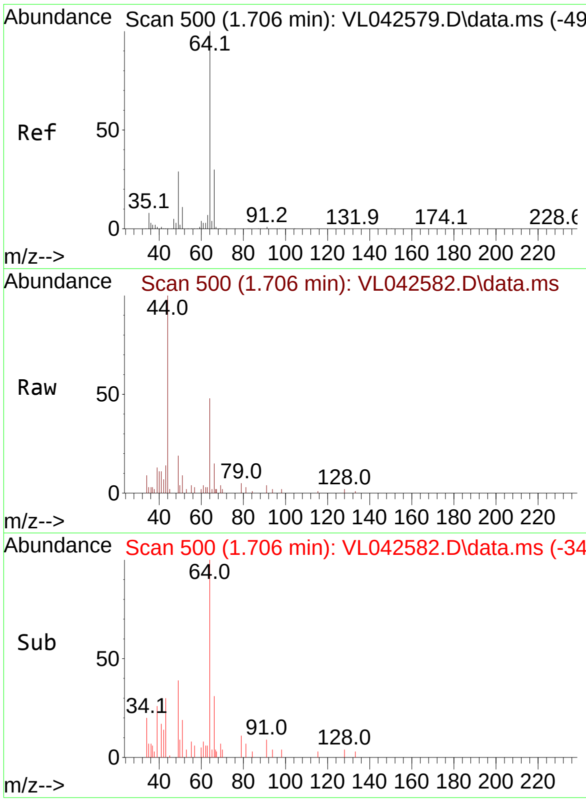


#6
Bromomethane
Concen: 0.642 ppbv
RT: 1.667 min   Scan# 488
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 94 Resp: 1594

Ion	Ratio	Lower	Upper
94	100		
96	64.5	70.7	106.1#



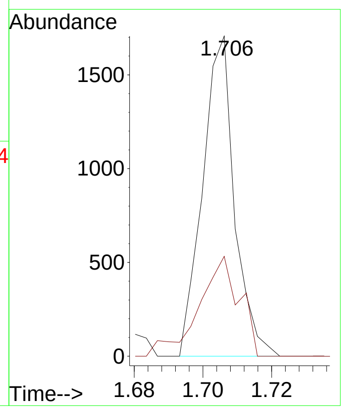


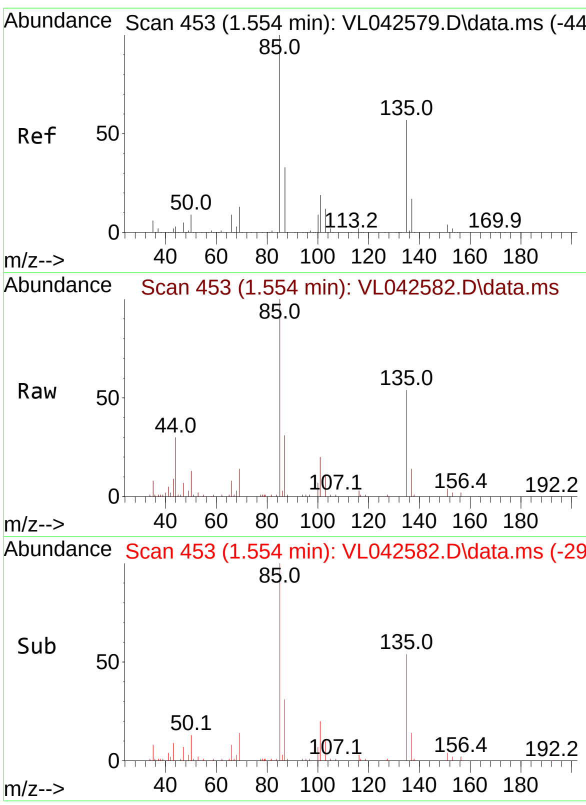
#7
Chloroethane
Concen: 0.554 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 1099

Ion	Ratio	Lower	Upper
64	100		
66	35.6	24.3	36.5

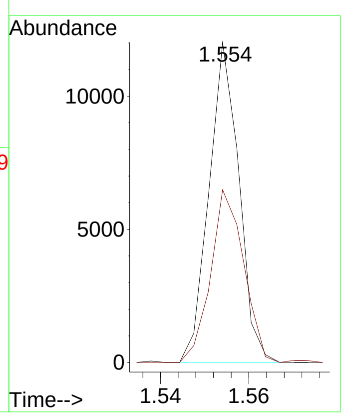


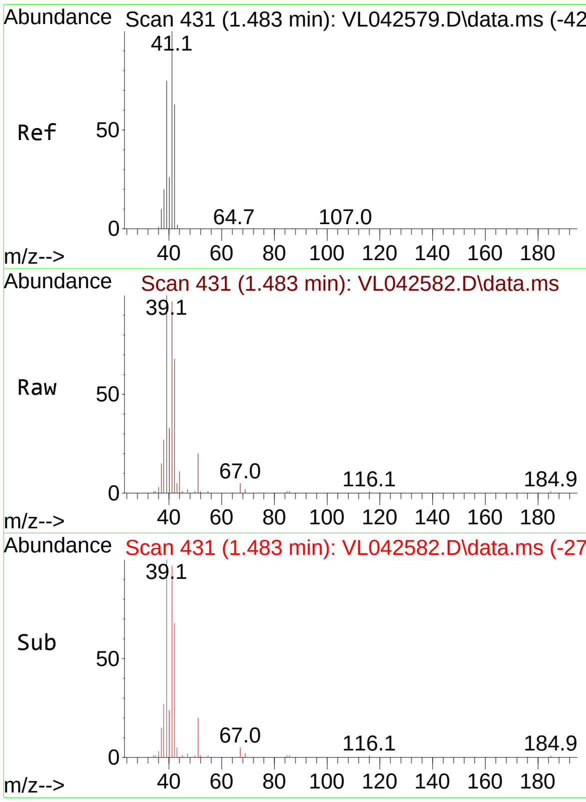


#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 85 Resp: 5655

Ion	Ratio	Lower	Upper
85	100		
135	60.7	50.2	75.4



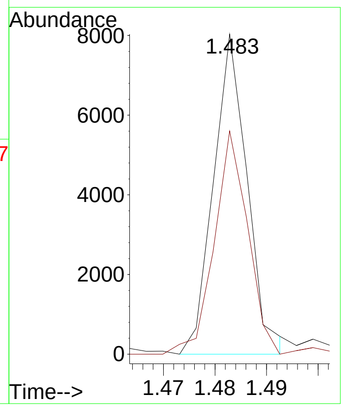


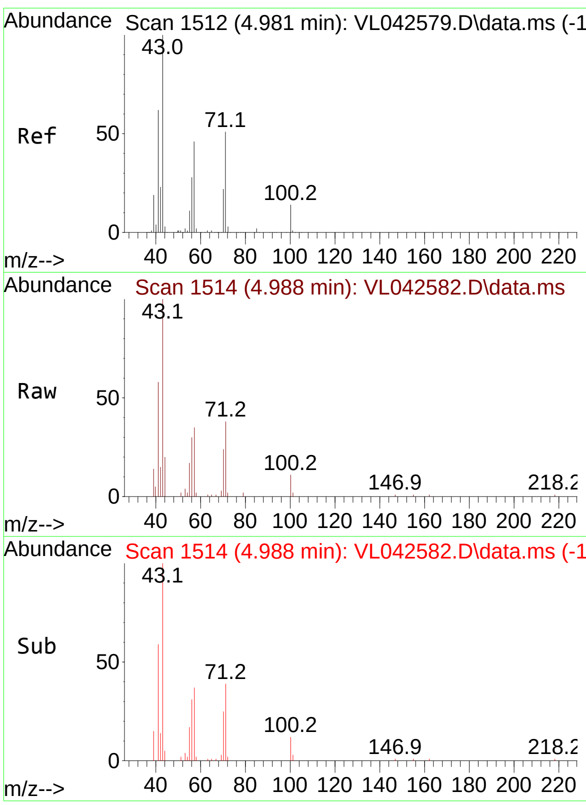
#9
Propene
Concen: 0.521 ppbv
RT: 1.483 min   Scan# 4
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 3653

Ion	Ratio	Lower	Upper
41	100		
42	77.1	53.3	79.9

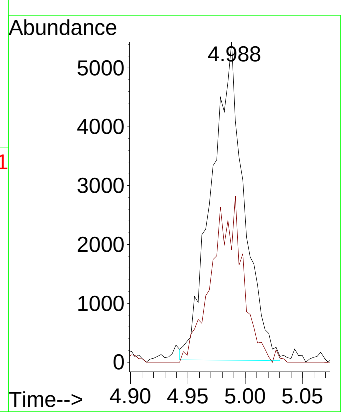


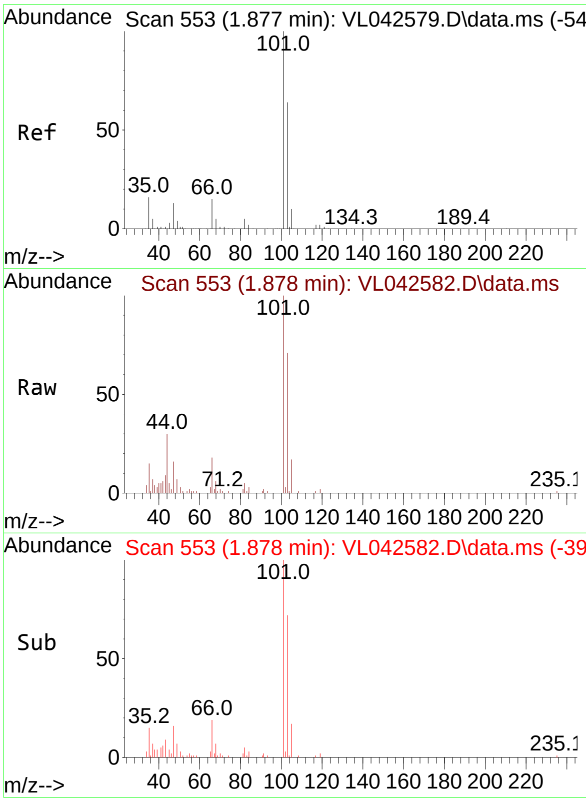


#10
Heptane
Concen: 0.540 ppbv
RT: 4.988 min   Scan# 1514
Delta R.T.   0.007 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 43 Resp: 10697

Ion	Ratio	Lower	Upper
43	100		
57	49.9	38.9	58.3





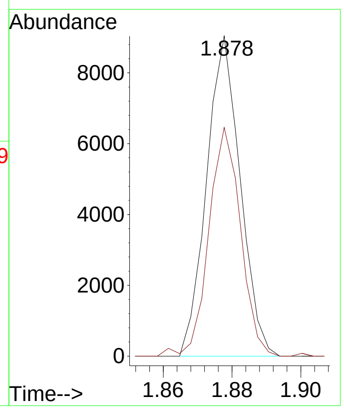
#11
Trichlorofluoromethane
Concen: 0.522 ppbv
RT: 1.878 min Scan# 5

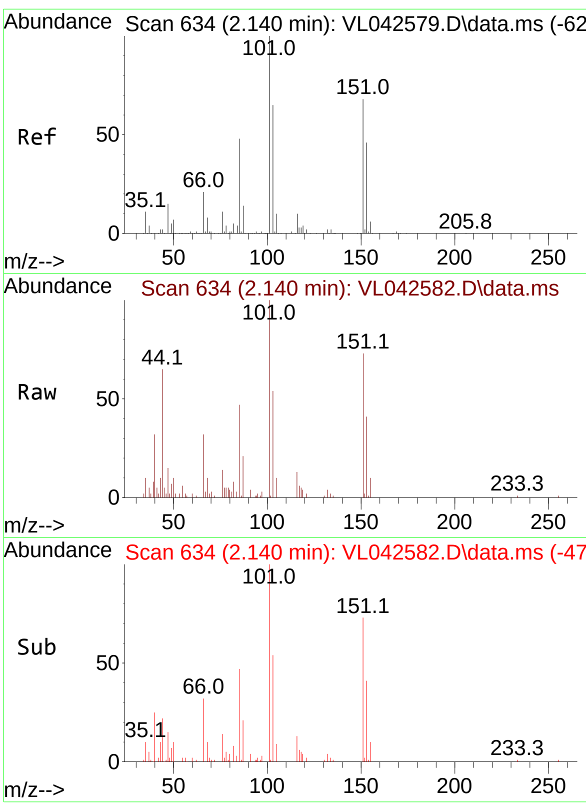
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:101 Resp: 6138

Ion	Ratio	Lower	Upper
101	100		
103	71.5	51.5	77.3

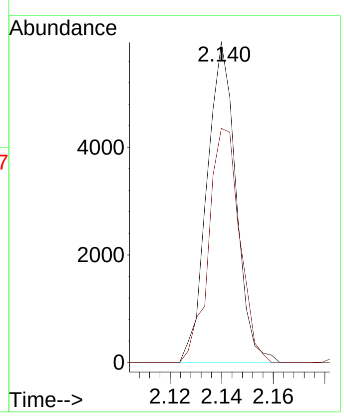


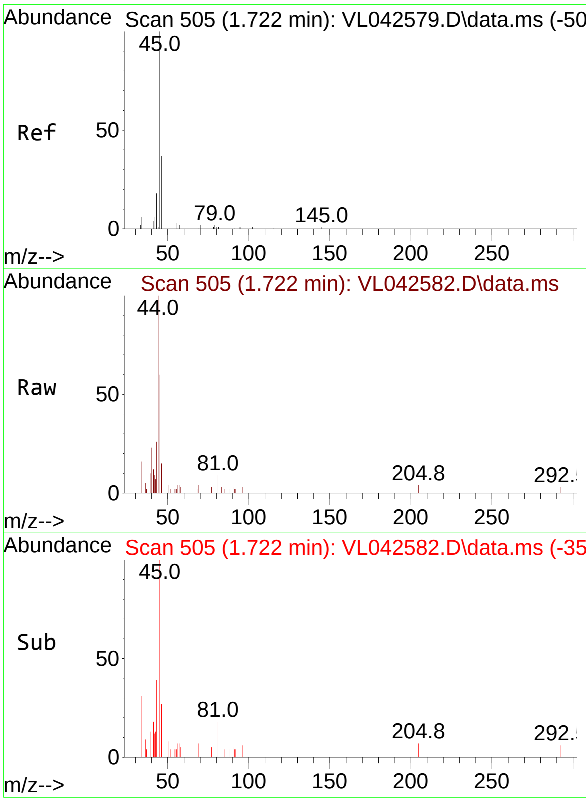


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.503 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:101 Resp: 4647

Ion	Ratio	Lower	Upper
101	100		
151	78.2	55.3	82.9



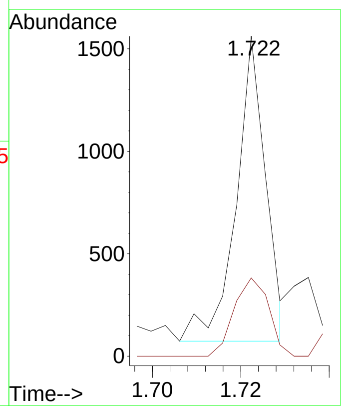


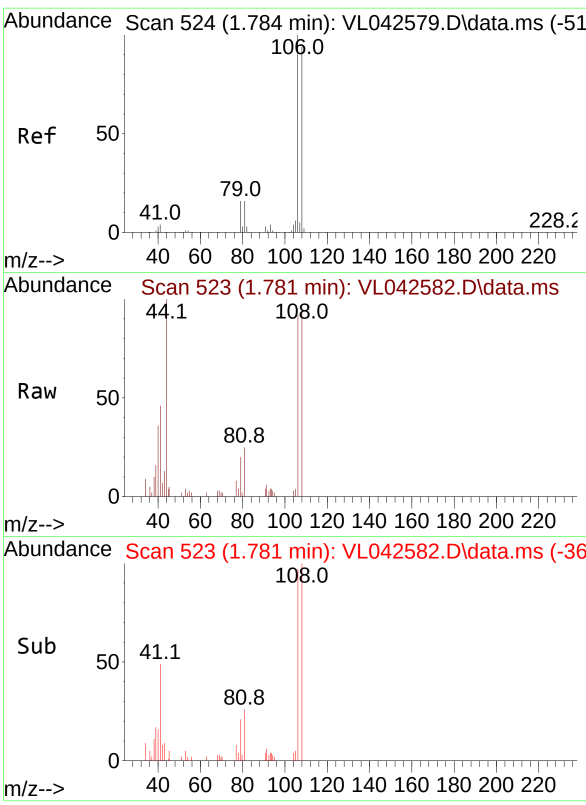
#13
Ethanol
Concen: 0.888 ppbv
RT: 1.722 min   Scan# 5
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 695

Ion	Ratio	Lower	Upper
45	100		
46	38.4	14.5	58.1

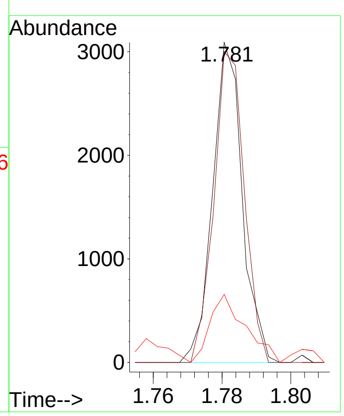


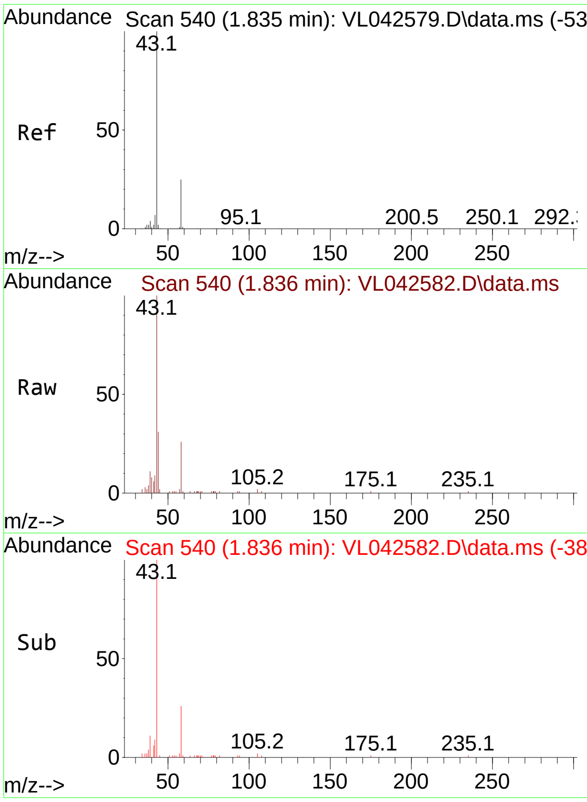


#14
Bromoethene
Concen: 0.532 ppbv
RT: 1.781 min   Scan# 523
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:108 Resp: 1849

Ion	Ratio	Lower	Upper
108	100		
106	99.9	87.9	131.9
79	44.5	15.6	23.4#



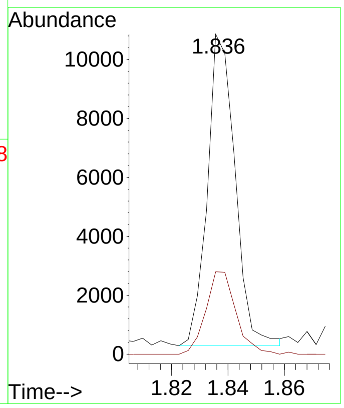


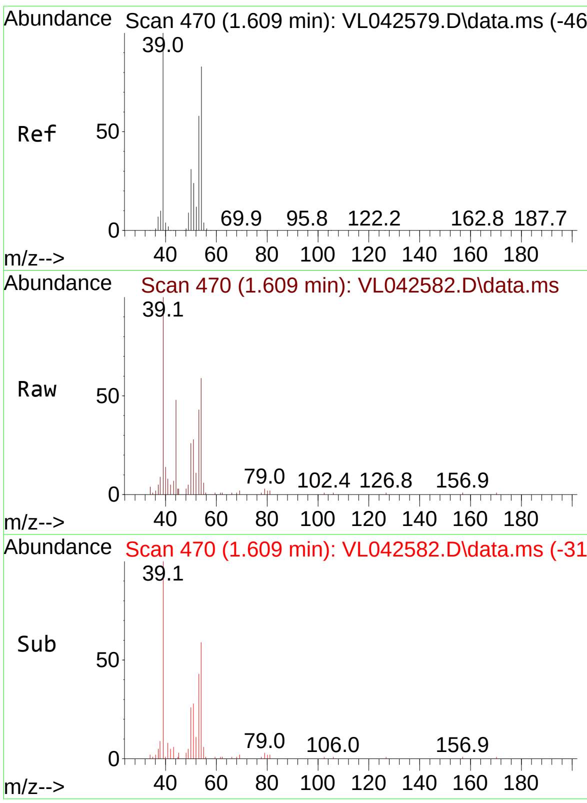
#15
Acetone
Concen: 0.583 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 7225

Ion	Ratio	Lower	Upper
43	100		
58	29.0	21.0	31.4

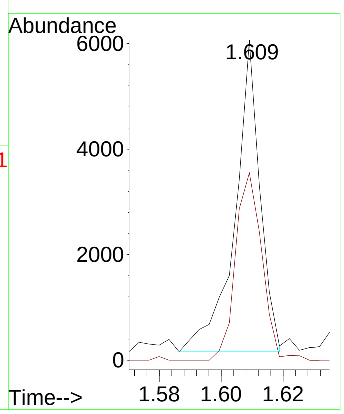


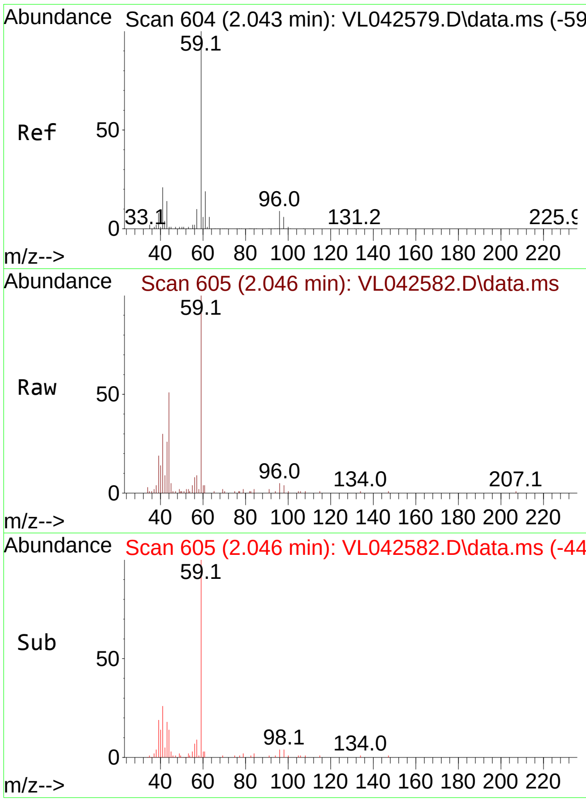


#16
1,3-Butadiene
Concen: 0.569 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 39 Resp: 3340

Ion	Ratio	Lower	Upper
39	100		
54	63.2	57.9	86.9



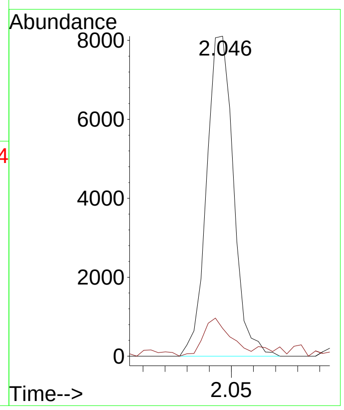


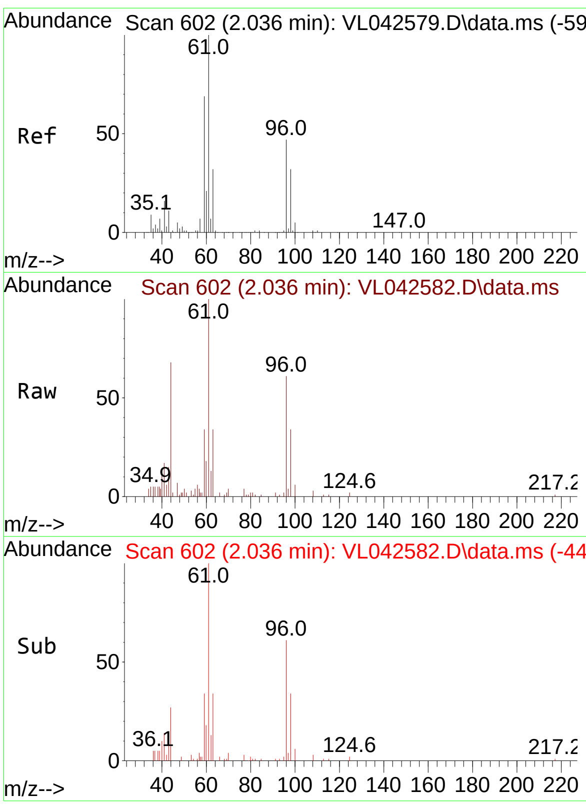
#17
tert-Butyl alcohol
Concen: 0.533 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 6877

Ion	Ratio	Lower	Upper
59	100		
57	13.6	8.6	12.8#

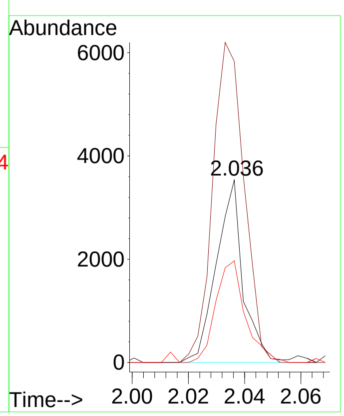


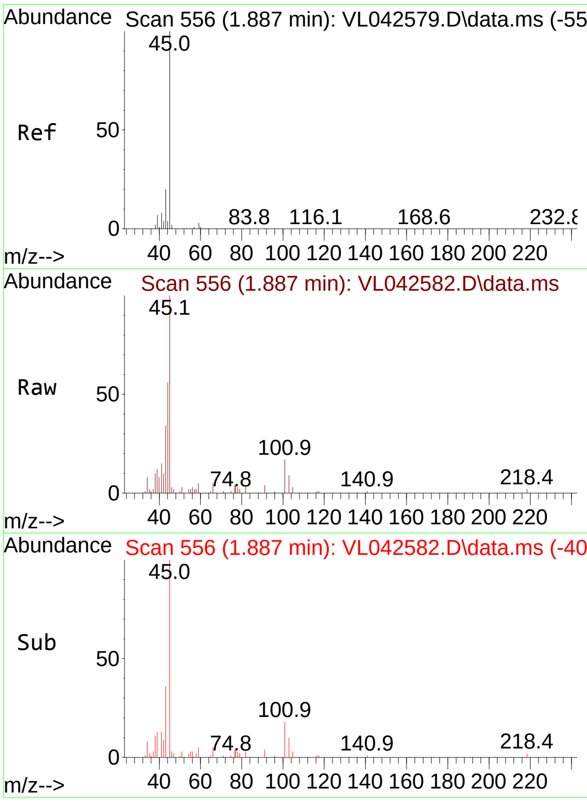


#18
1,1-Dichloroethene
Concen: 0.539 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 96 Resp: 2319

Ion	Ratio	Lower	Upper
96	100		
61	165.1	171.1	256.7#
98	55.7	54.4	81.6



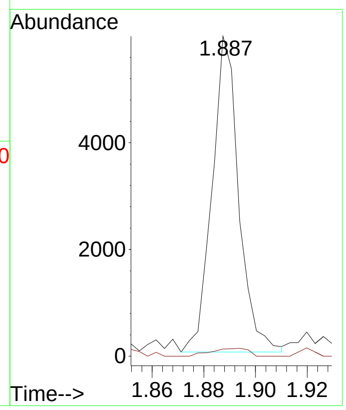


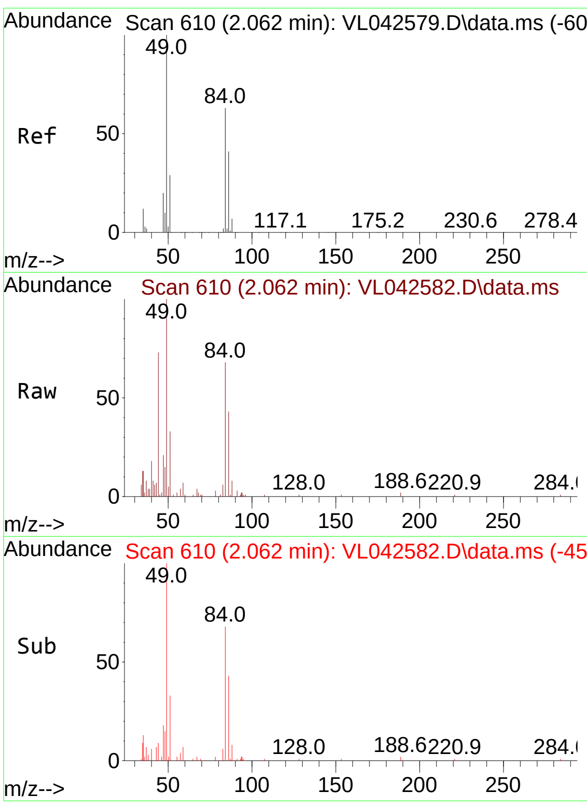
#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 4245

Ion	Ratio	Lower	Upper
45	100		
58	3.4	29.4	44.2#

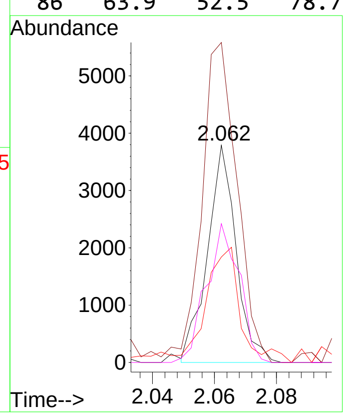


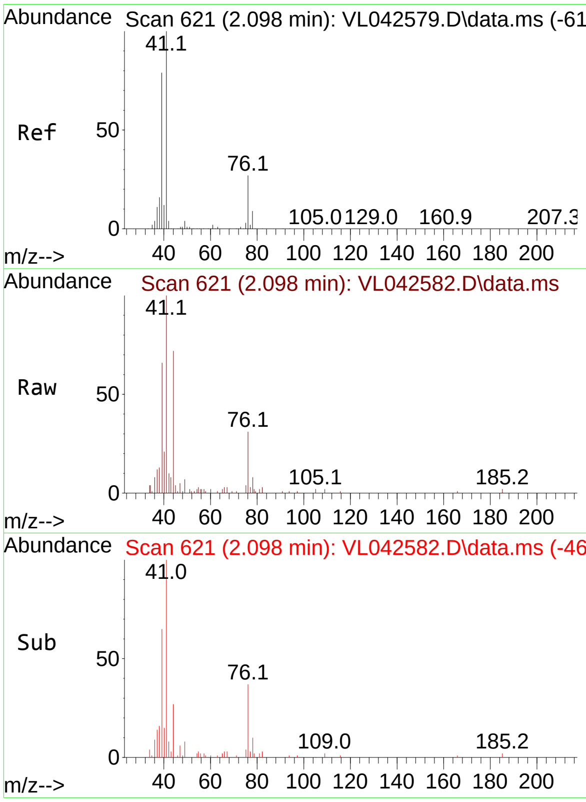


#20
Methylene Chloride
Concen: 0.595 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 84 Resp: 2435

Ion	Ratio	Lower	Upper
84	100		
49	147.4	128.8	193.2
51	45.2	38.6	57.8
86	63.9	52.5	78.7





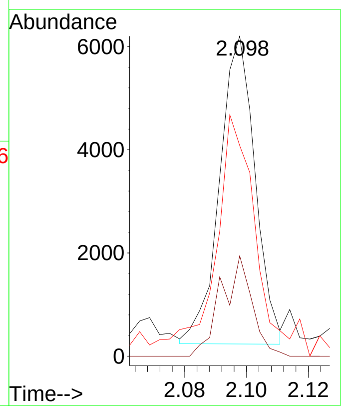
#21
Allyl Chloride
Concen: 0.544 ppbv
RT: 2.098 min Scan# 6

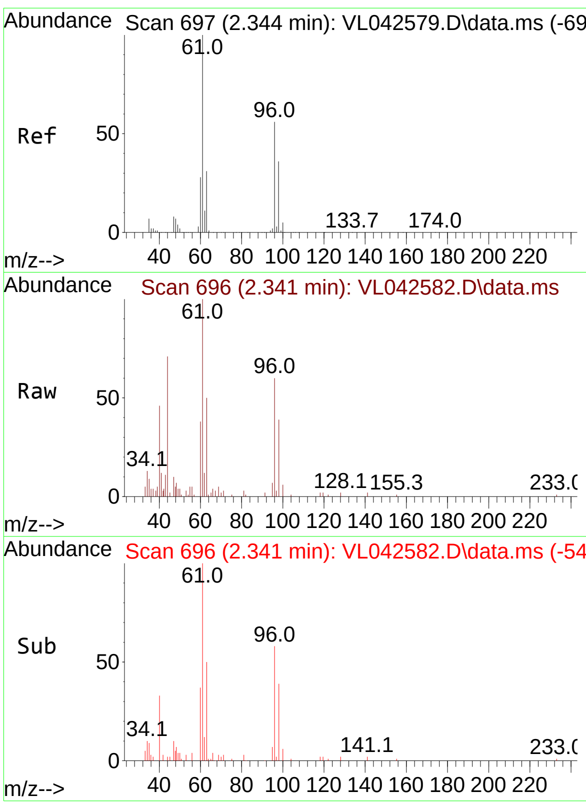
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 41 Resp: 4754

Ion	Ratio	Lower	Upper
41	100		
76	28.5	21.2	31.8
39	79.5	60.9	91.3

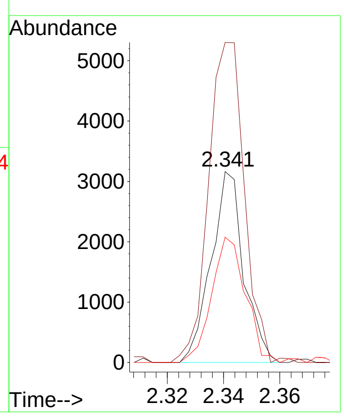


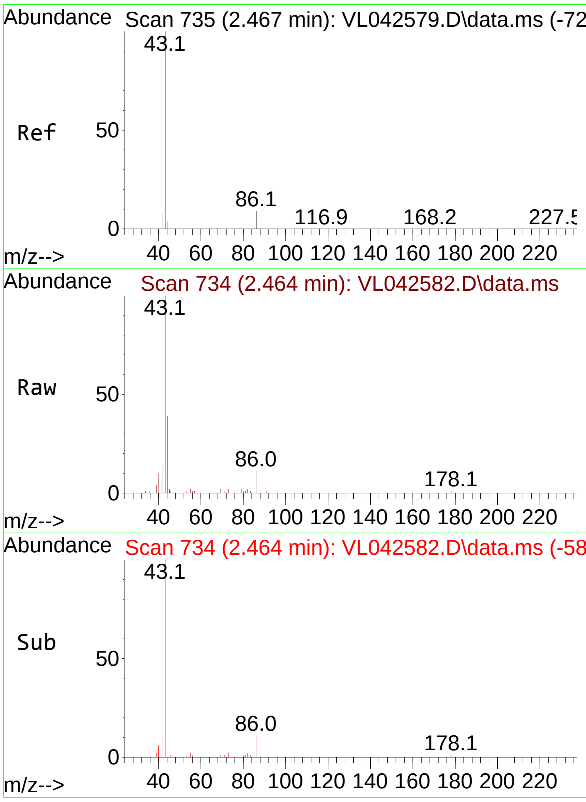


#22
trans-1,2-Dichloroethene
Concen: 0.532 ppbv
RT: 2.341 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 96 Resp: 2553

Ion	Ratio	Lower	Upper
96	100		
61	165.3	142.6	214.0
98	65.6	51.0	76.4



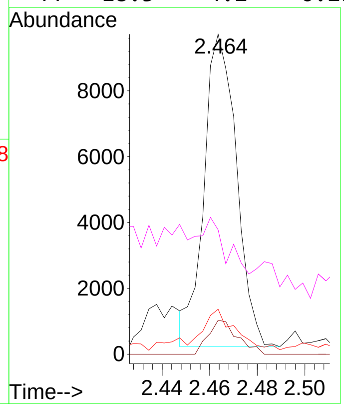


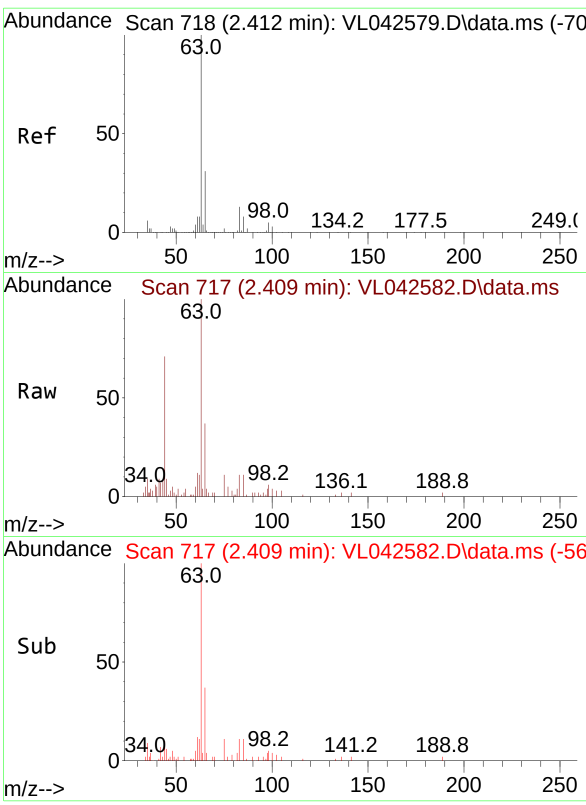
#23
Vinyl Acetate
Concen: 0.537 ppbv
RT: 2.464 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 9005

Ion	Ratio	Lower	Upper
43	100		
86	10.9	6.6	9.8#
42	10.6	7.0	10.4#
44	18.3	4.2	6.2#

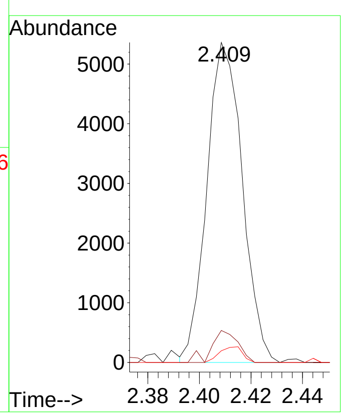


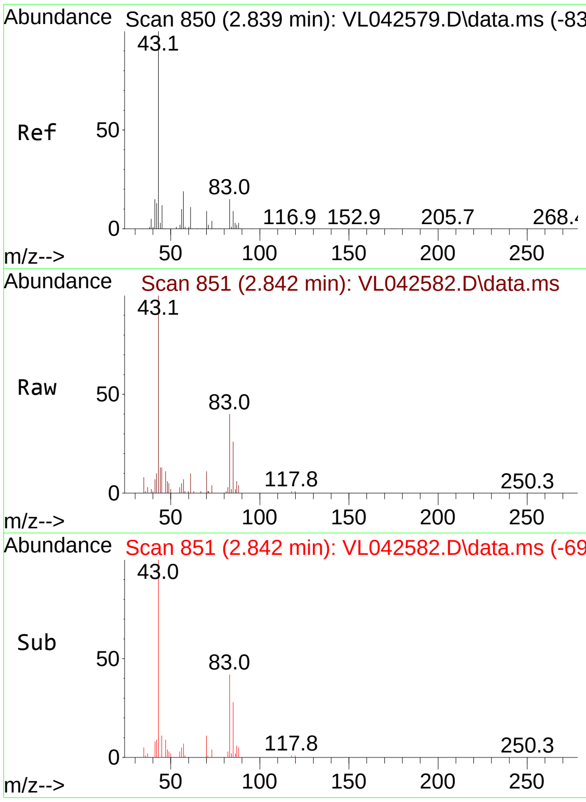


#24
1,1-Dichloroethane
Concen: 0.521 ppbv
RT: 2.409 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 63 Resp: 5127

Ion	Ratio	Lower	Upper
63	100		
98	10.0	2.4	7.1#
100	3.7	1.4	4.0



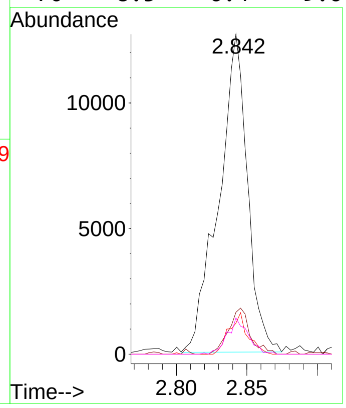


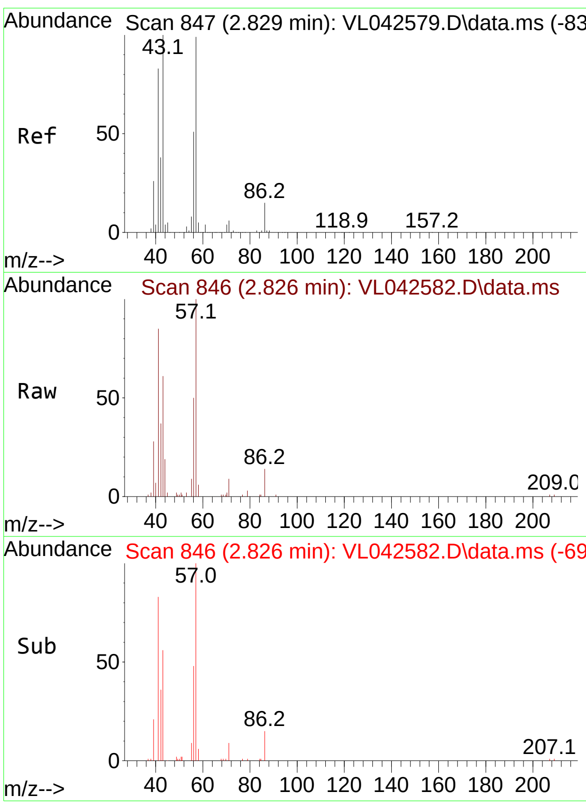
#25
Ethyl Acetate
Concen: 0.530 ppbv
RT: 2.842 min Scan# 8!
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 17990

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.2	12.2
61	8.5	7.1	10.7
70	8.3	6.4	9.6

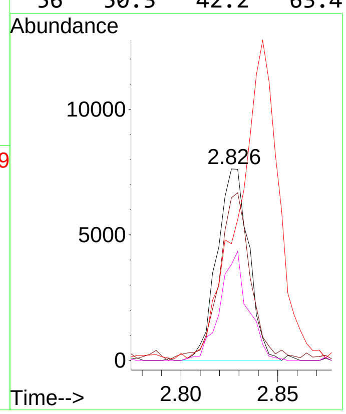


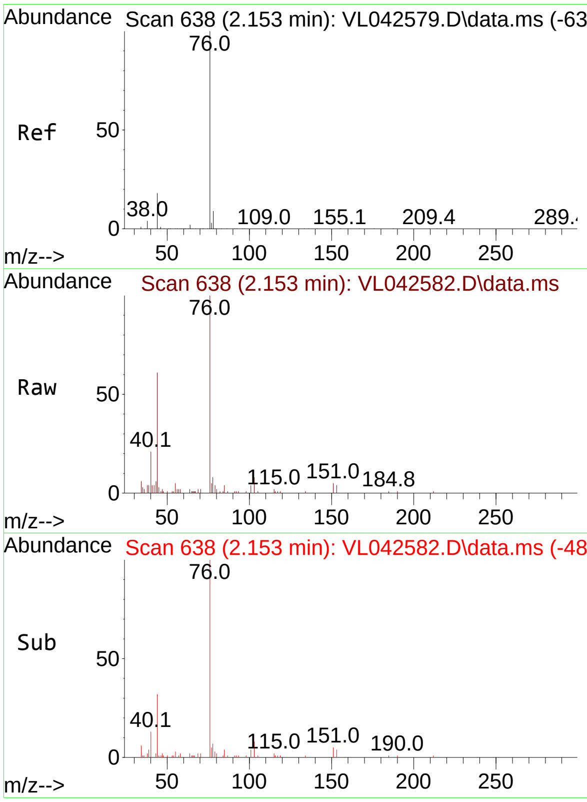


#26
Hexane
Concen: 0.564 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 57 Resp: 8694

Ion	Ratio	Lower	Upper
57	100		
41	89.3	70.6	106.0
43	218.8	181.1	271.7
56	50.3	42.2	63.4



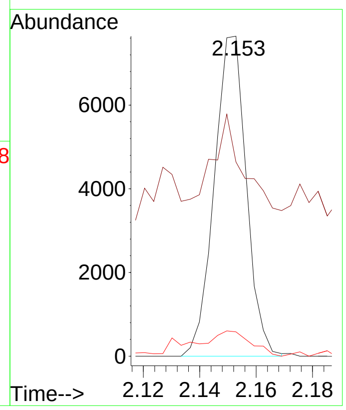


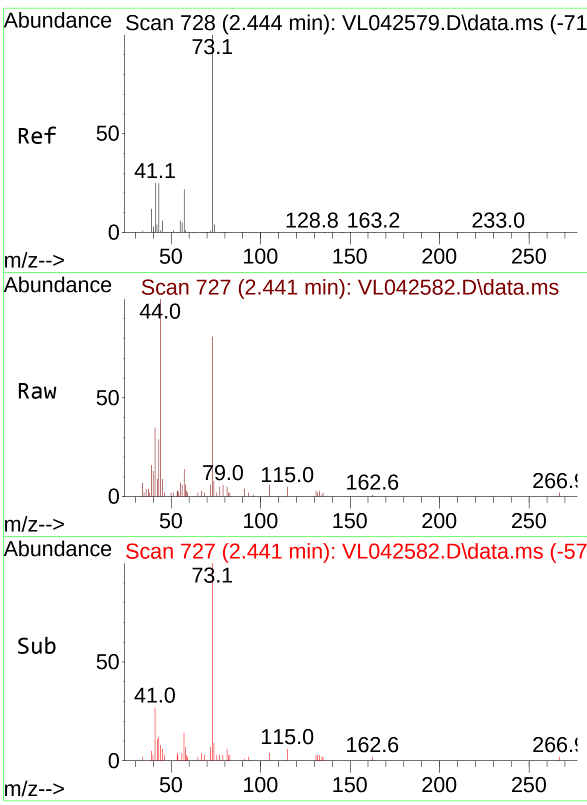
#27
Carbon Disulfide
Concen: 0.511 ppbv
RT: 2.153 min   Scan# 6
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 6043

Ion	Ratio	Lower	Upper
76	100		
44	169.1	21.3	31.9#
78	15.4	9.4	14.0#

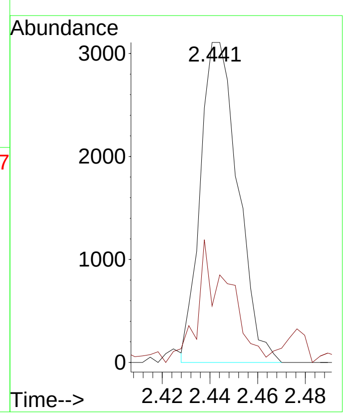


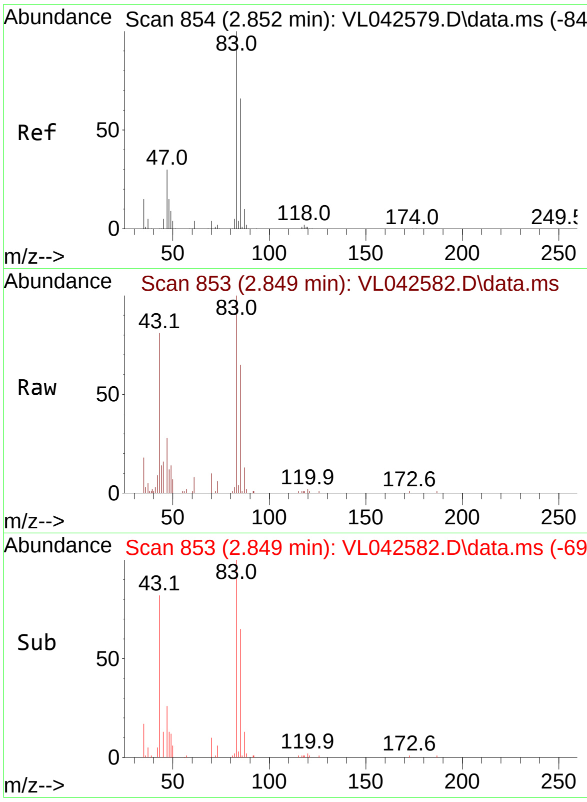


#28
Methyl tert-Butyl Ether
Concen: 0.546 ppbv
RT: 2.441 min   Scan# 727
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 73 Resp: 3416

Ion	Ratio	Lower	Upper
73	100		
57	34.3	19.9	29.9#



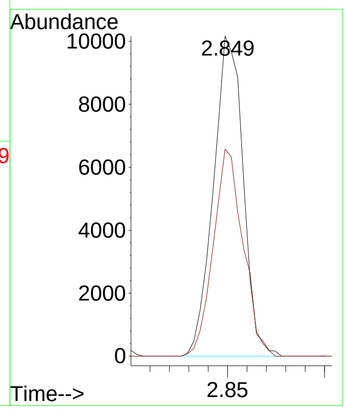


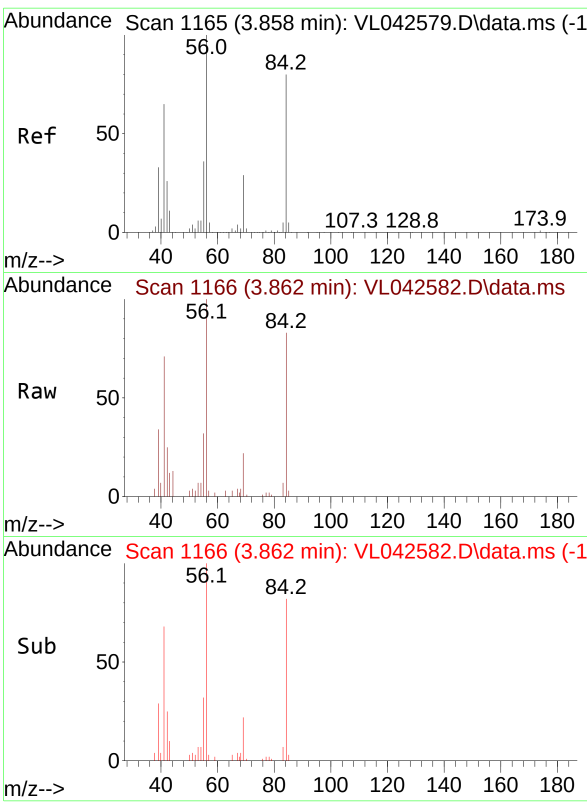
#29
Chloroform
Concen: 0.539 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 10798

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.8	79.2

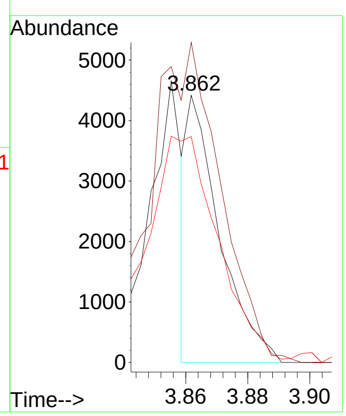


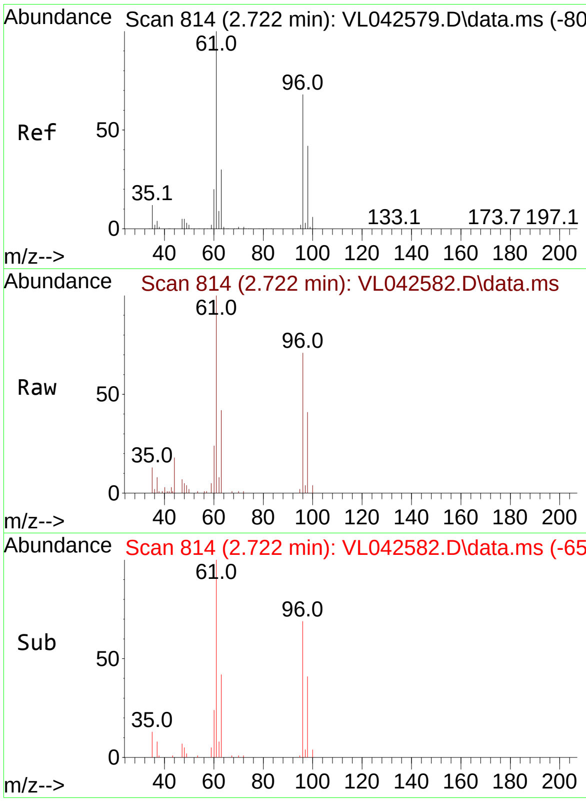


#30
Cyclohexane
Concen: 0.252 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 84 Resp: 3216

Ion	Ratio	Lower	Upper
84	100		
56	263.4	103.7	155.5#
41	0.0	65.1	97.7#



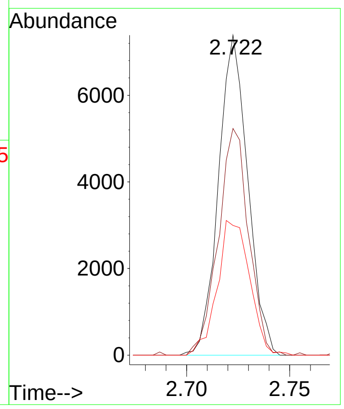


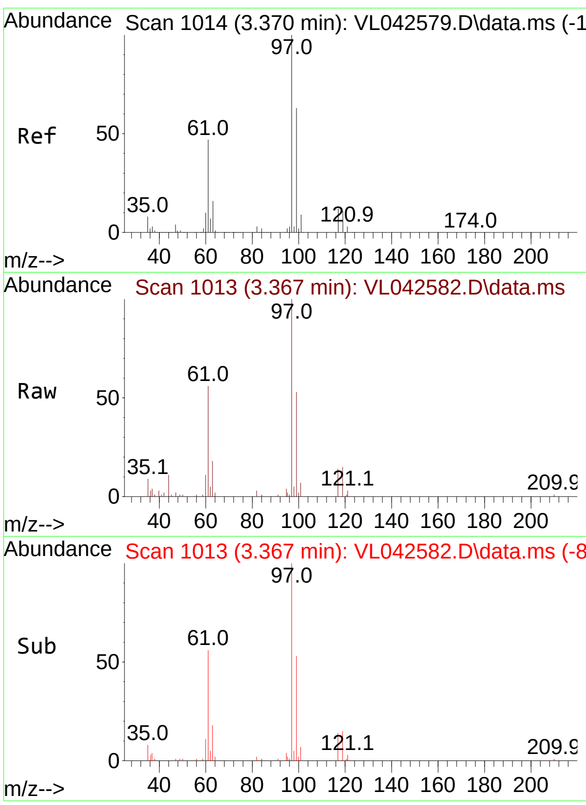
#31
cis-1,2-Dichloroethene
Concen: 0.518 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 7302

Ion	Ratio	Lower	Upper
61	100		
96	70.9	54.5	81.7
98	40.5	33.4	50.2

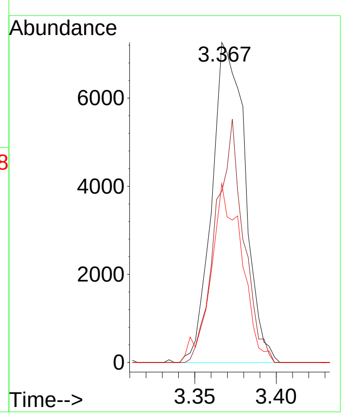


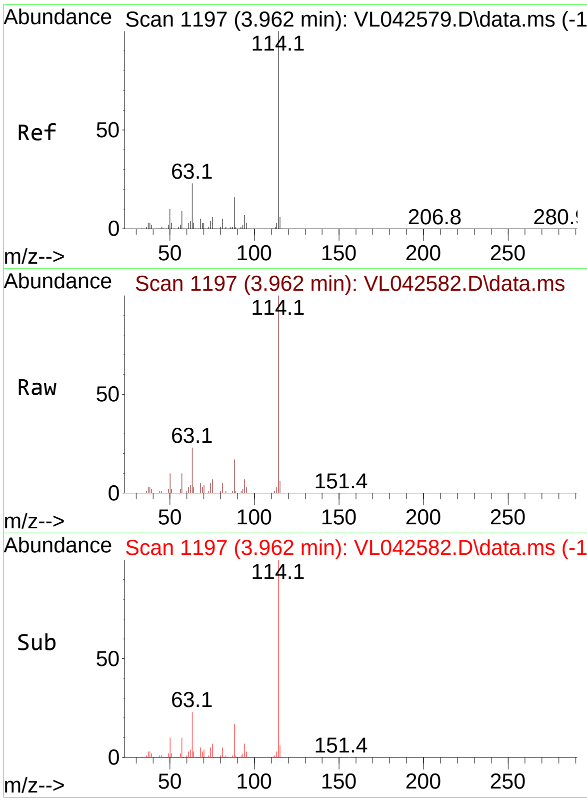


#32
1,1,1-Trichloroethane
Concen: 0.513 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 97 Resp: 10309

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	52.1	39.4	59.0



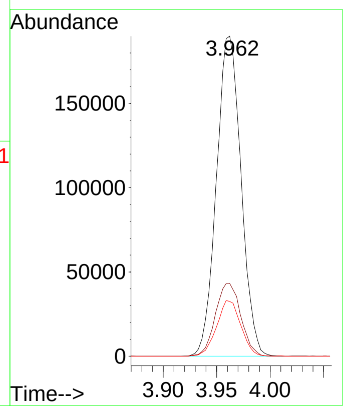


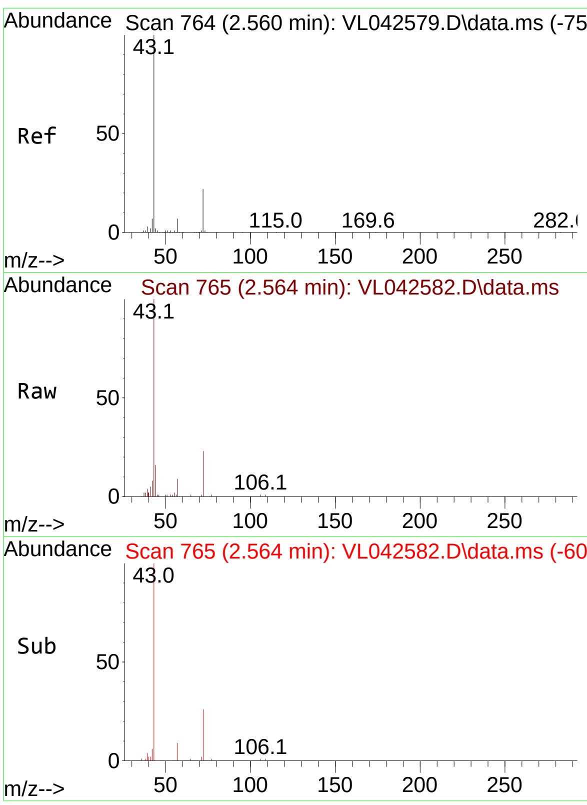
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 304613

Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.0	28.6
88	17.1	13.6	20.4

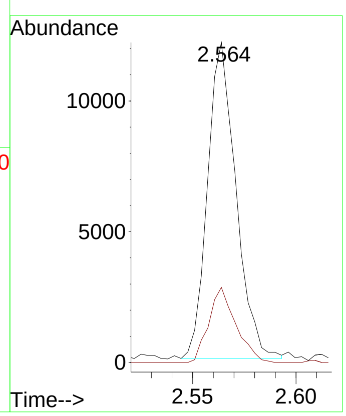


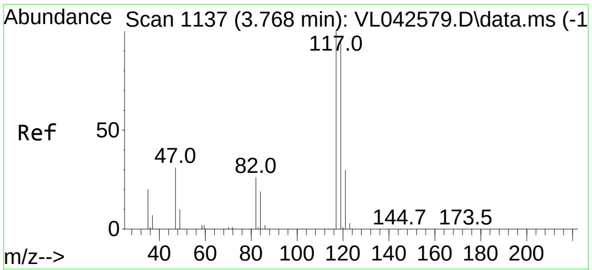


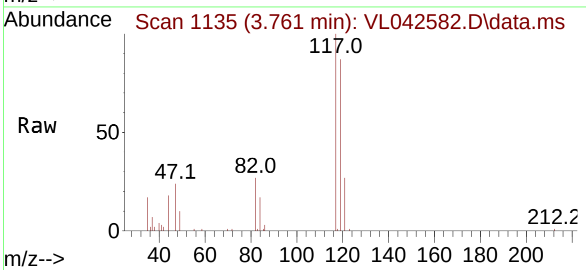
#34
2-Butanone
Concen: 0.533 ppbv
RT: 2.564 min   Scan# 765
Delta R.T.   0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

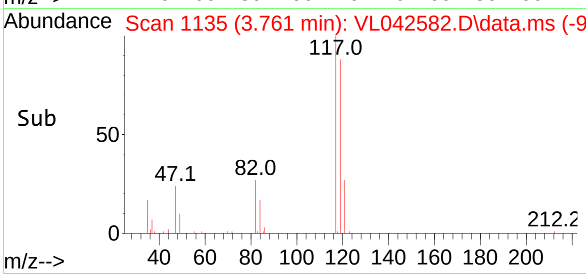
Tgt Ion: 43 Resp: 11569

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5







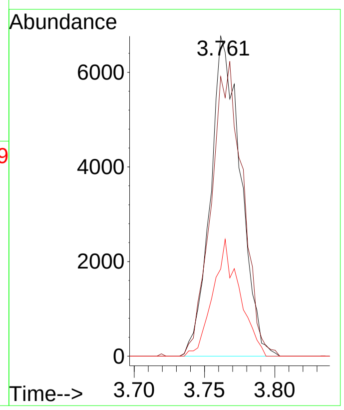


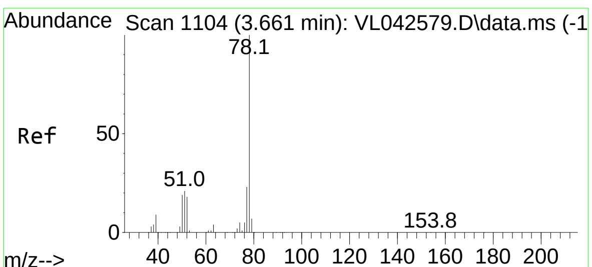
#35
Carbon Tetrachloride
Concen: 0.503 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

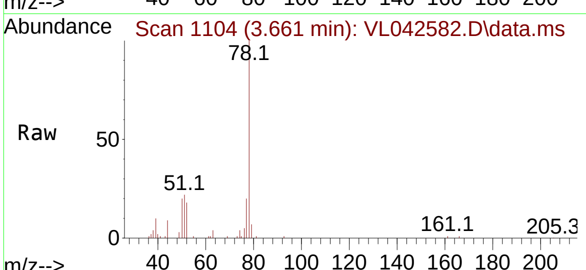
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

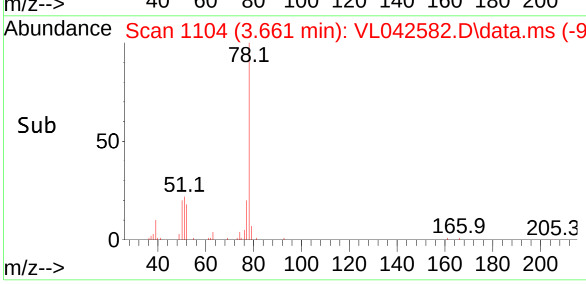
Tgt Ion:117 Resp: 10126

Ion	Ratio	Lower	Upper
117	100		
119	87.4	76.8	115.2
121	27.2	24.3	36.5





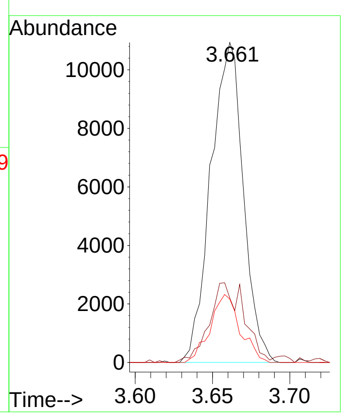


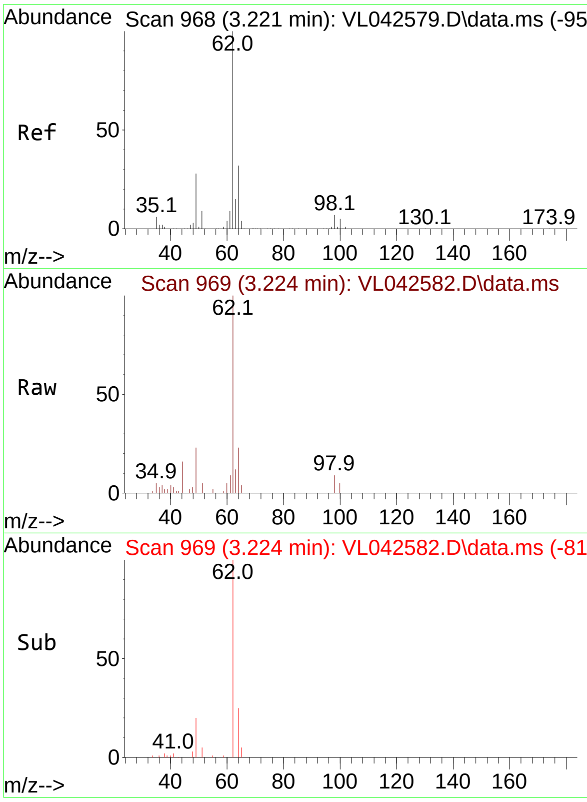


#36
Benzene
Concen: 0.533 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 78 Resp: 16000

Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.2	27.2
50	19.8	15.2	22.8



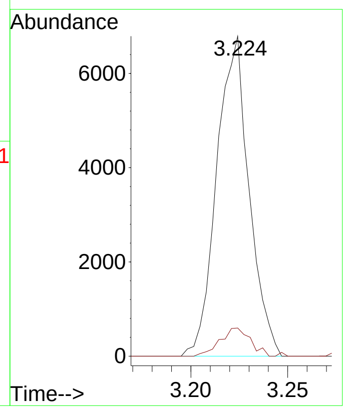


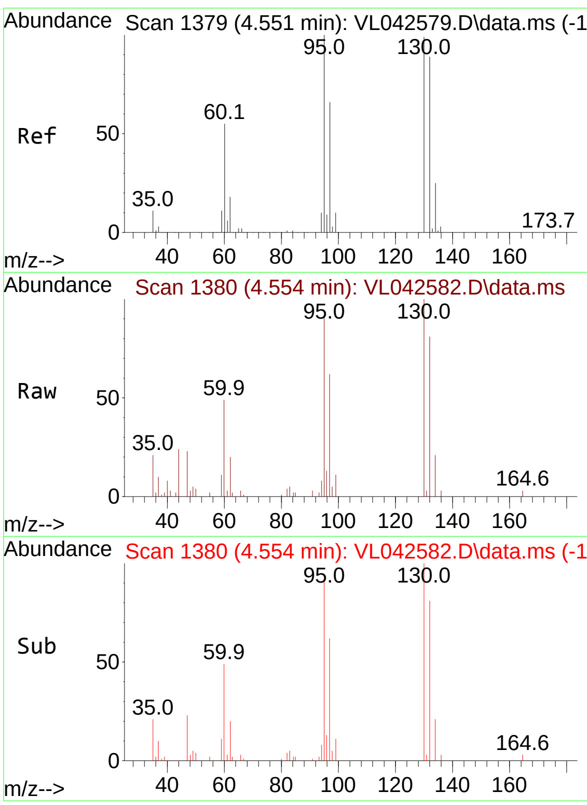
#37
1,2-Dichloroethane
Concen: 0.529 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 7883

Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.1	9.1

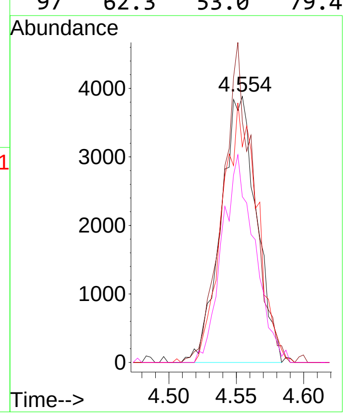


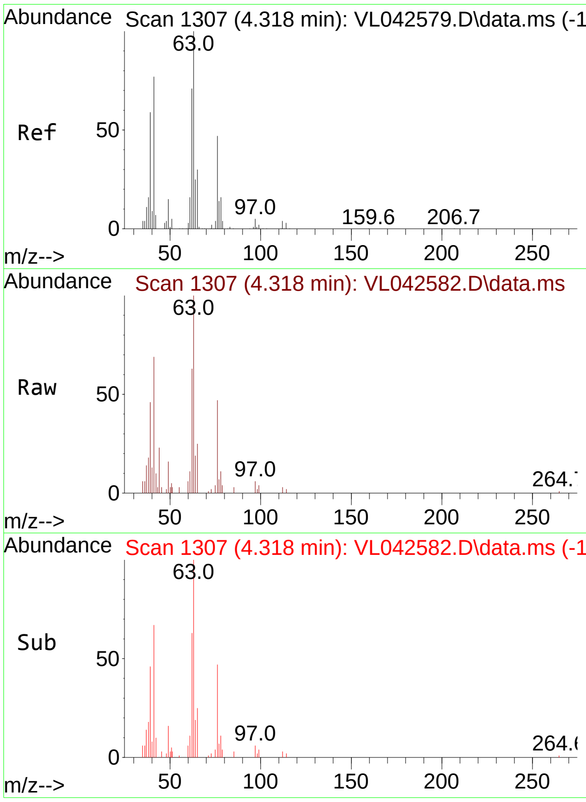


#38
Trichloroethene
Concen: 0.555 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:130 Resp: 7126

Ion	Ratio	Lower	Upper
130	100		
95	90.6	80.6	121.0
132	81.1	71.8	107.6
97	62.3	53.0	79.4



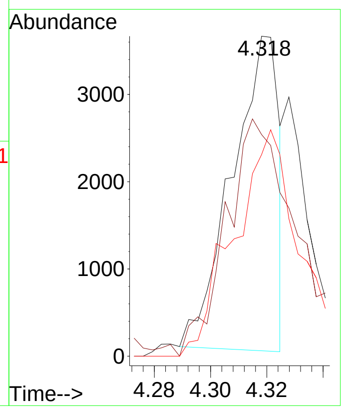


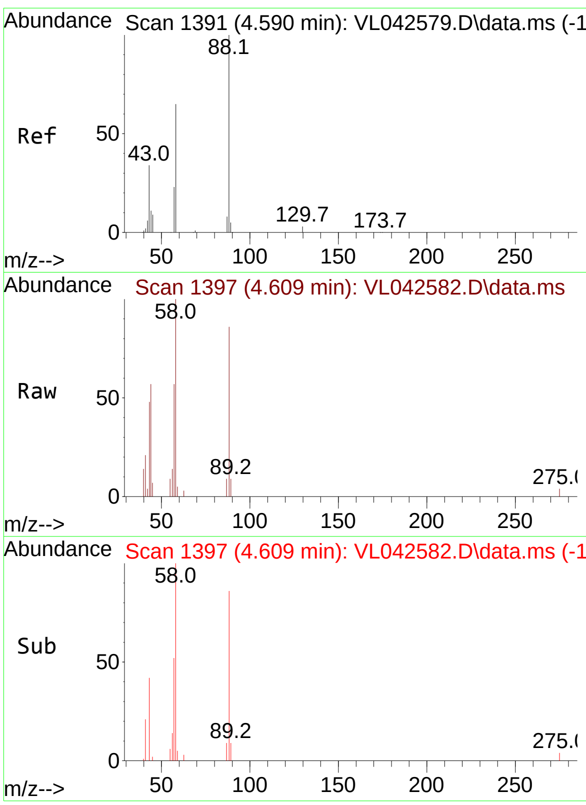
#39
1,2-Dichloropropane
Concen: 0.376 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 4173

Ion	Ratio	Lower	Upper
63	100		
41	74.8	61.8	92.6
62	68.1	56.6	85.0

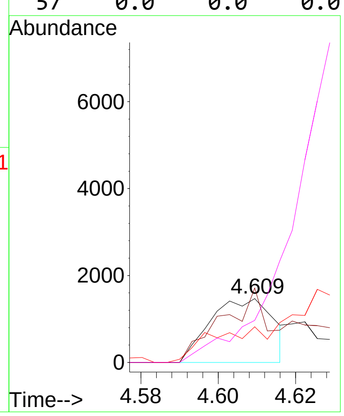


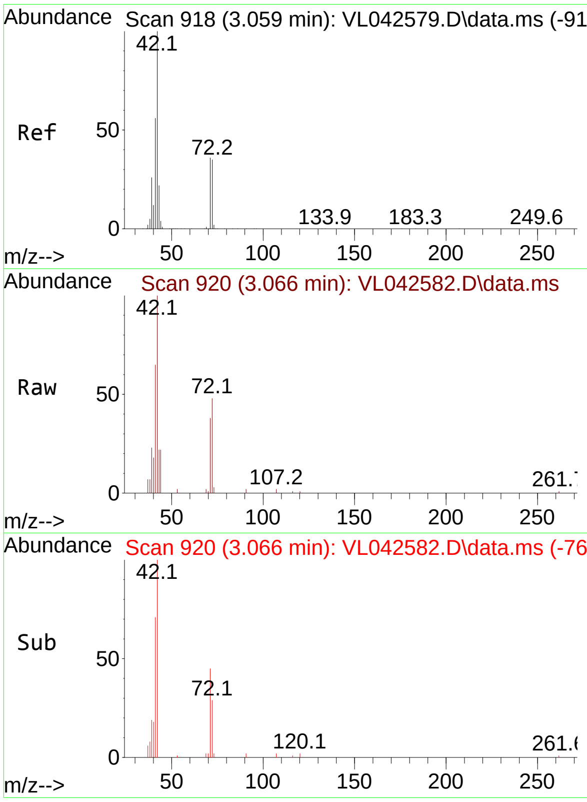


#40
1,4-Dioxane
Concen: 0.352 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.020 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 88 Resp: 1661

Ion	Ratio	Lower	Upper
88	100		
58	206.7	55.8	83.8#
43	24.3	24.8	37.2#
57	0.0	0.0	0.0





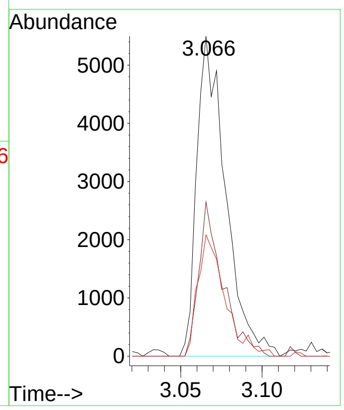
#41
Tetrahydrofuran
Concen: 0.533 ppbv
RT: 3.066 min Scan# 9

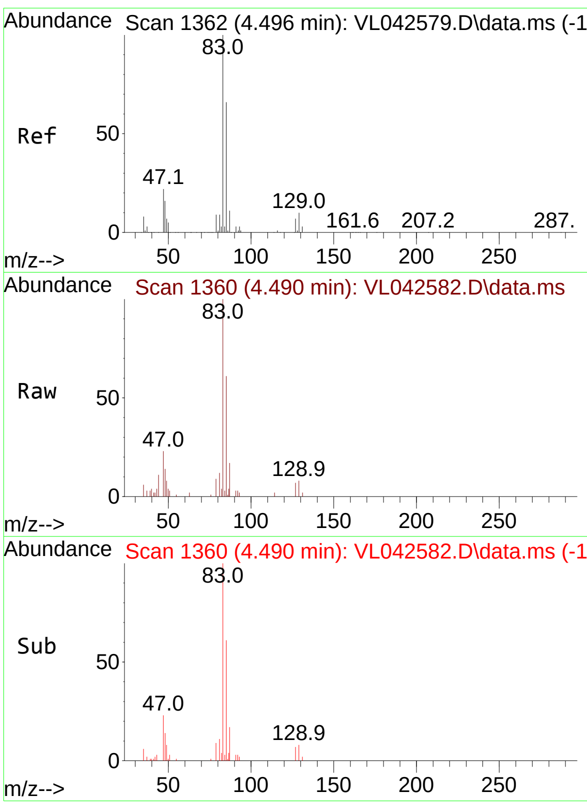
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T. 0.007 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 42 Resp: 6775

Ion	Ratio	Lower	Upper
42	100		
72	40.4	28.9	43.3
71	36.2	28.5	42.7

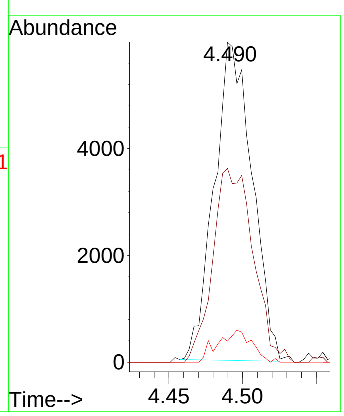


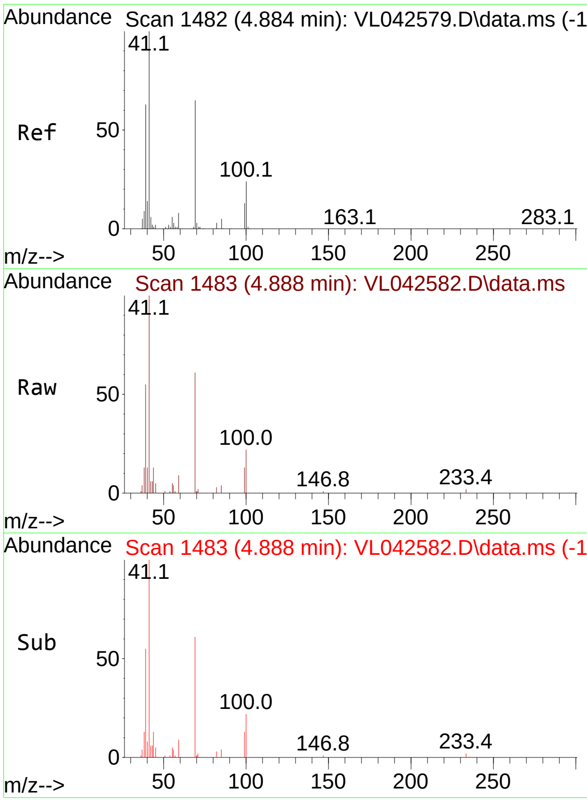


#42
Bromodichloromethane
Concen: 0.505 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 83 Resp: 10688

Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.7	79.1
127	6.6	5.8	8.6



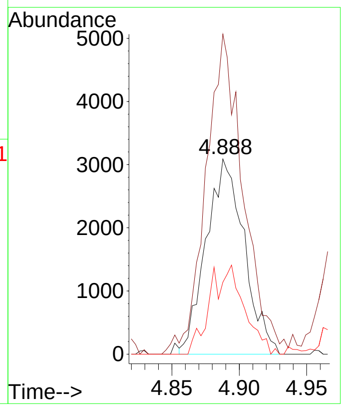


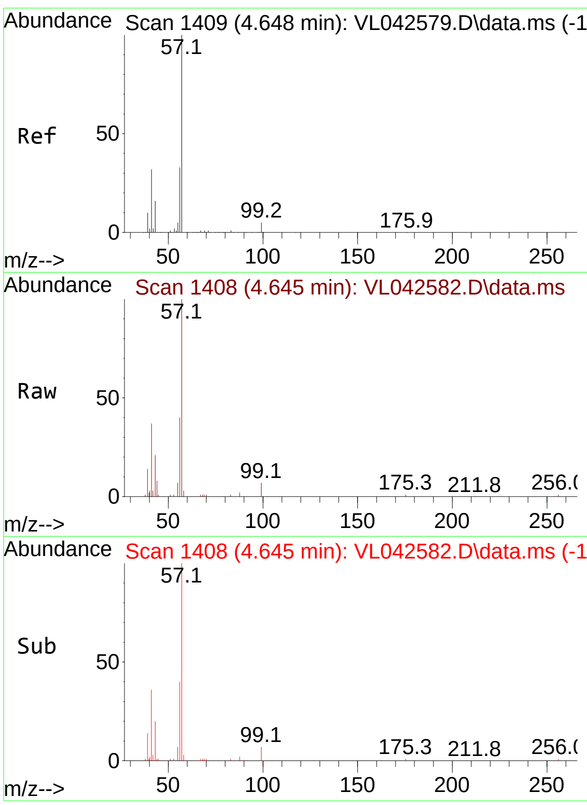
#43
Methyl Methacrylate
Concen: 0.521 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 6056

Ion	Ratio	Lower	Upper
69	100		
41	160.5	124.6	187.0
100	42.4	29.9	44.9

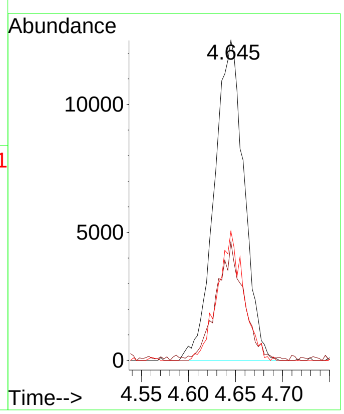


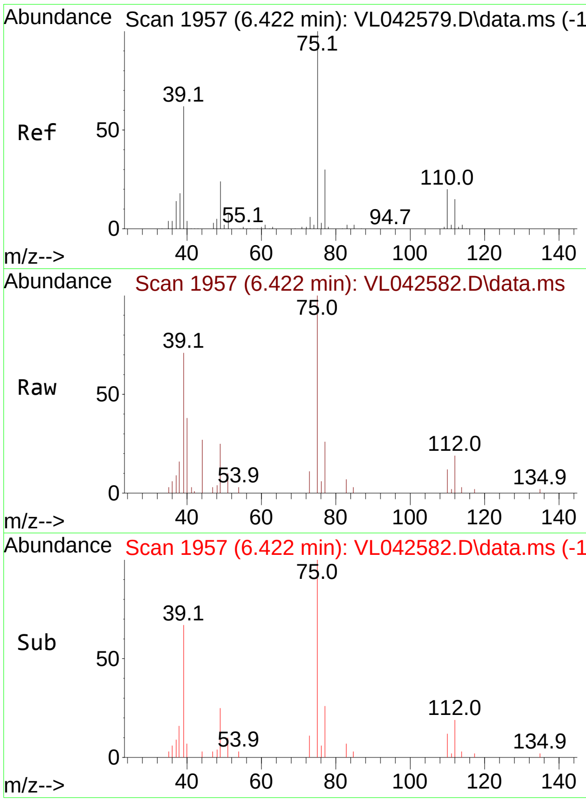


#44
2,2,4-Trimethylpentane
Concen: 0.538 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 57 Resp: 27584

Ion	Ratio	Lower	Upper
57	100		
41	34.8	26.1	39.1
56	35.2	25.9	38.9



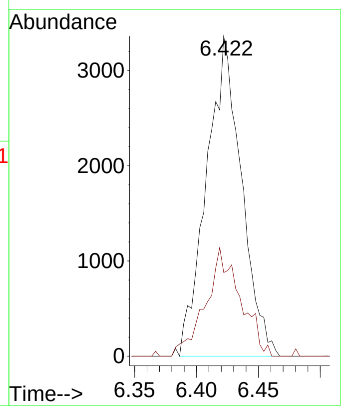


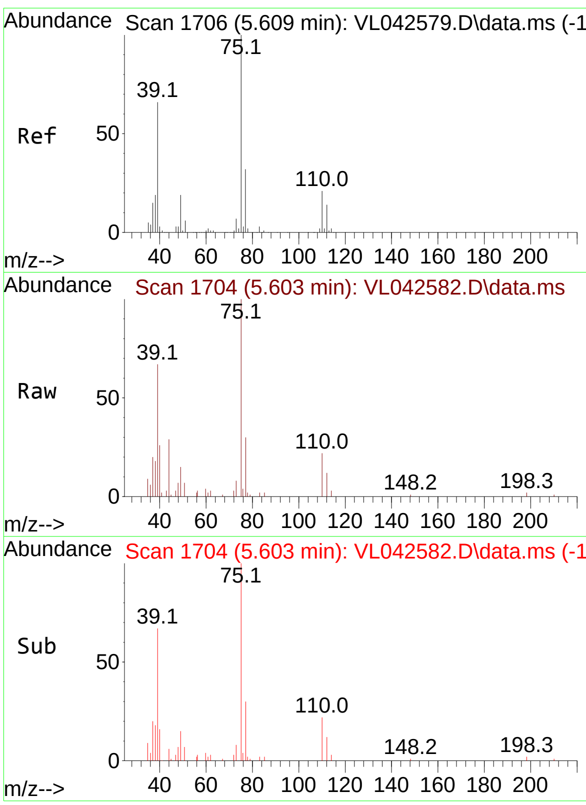
#45
t-1,3-Dichloropropene
Concen: 0.495 ppbv
RT: 6.422 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 6598

Ion	Ratio	Lower	Upper
75	100		
77	26.1	24.2	36.2

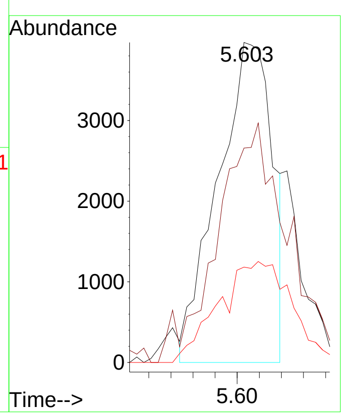


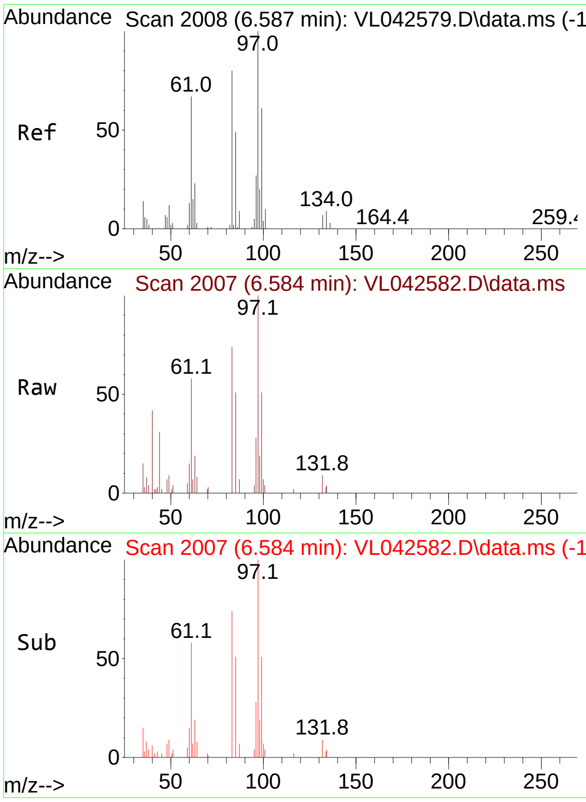


#46
cis-1,3-Dichloropropene
Concen: 0.410 ppbv
RT: 5.603 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 75 Resp: 6845

Ion	Ratio	Lower	Upper
75	100		
39	66.4	52.7	79.1
77	28.9	25.8	38.8



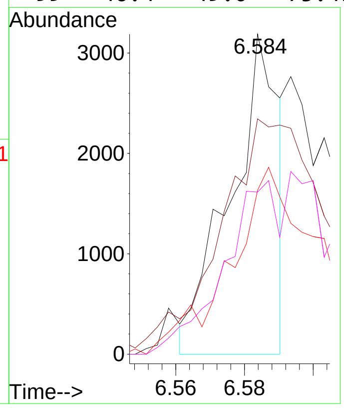


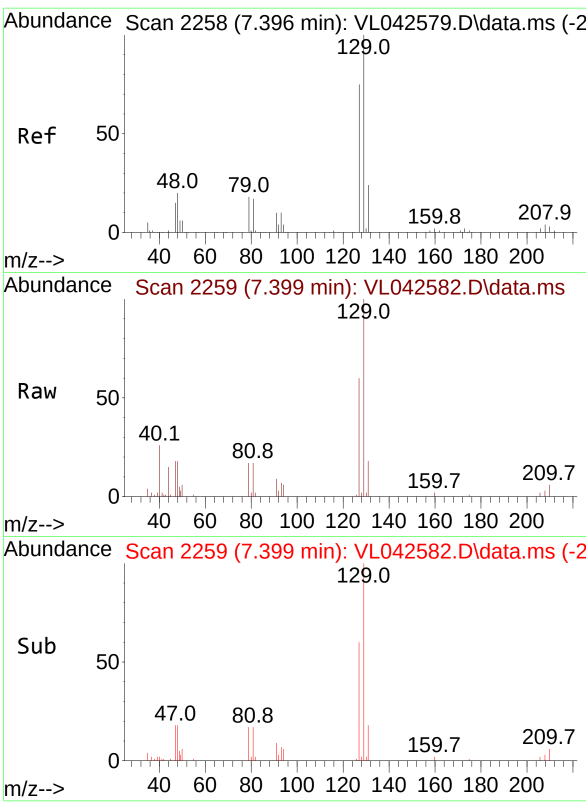
#47
1,1,2-Trichloroethane
Concen: 0.269 ppbv
RT: 6.584 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 3090

Ion	Ratio	Lower	Upper
97	100		
83	69.0	63.9	95.9
85	45.0	39.2	58.8
99	46.4	49.0	73.4#

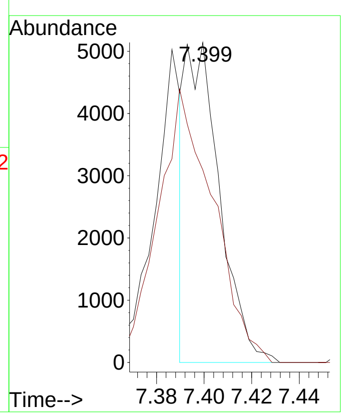


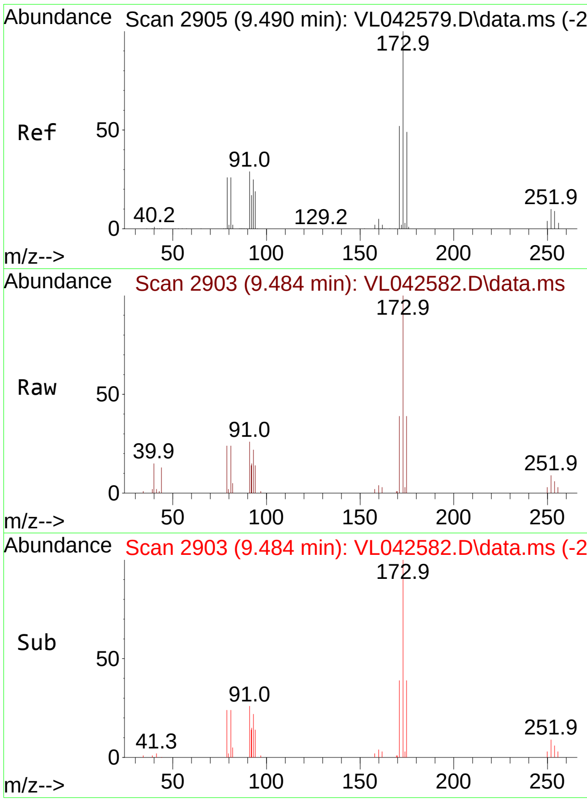


#48
Dibromochloromethane
Concen: 0.278 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:129 Resp: 5119

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	116.9#



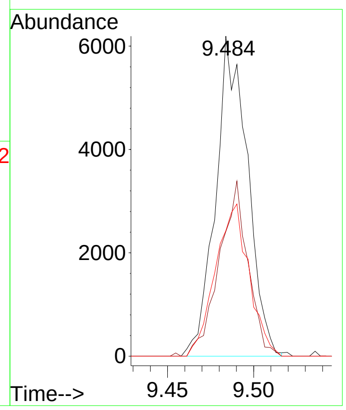


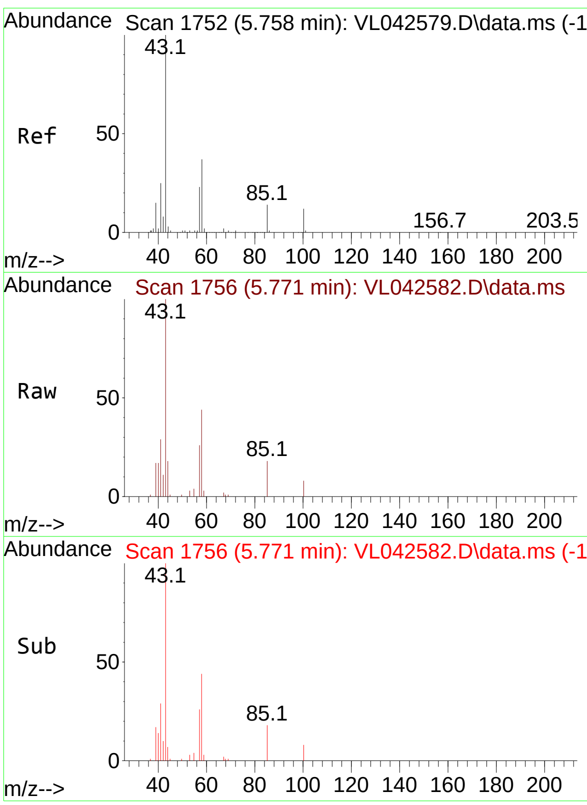
#49
Bromoform
Concen: 0.503 ppbv
RT: 9.484 min Scan# 29
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 7974

Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.7	58.1
171	50.2	41.2	61.8

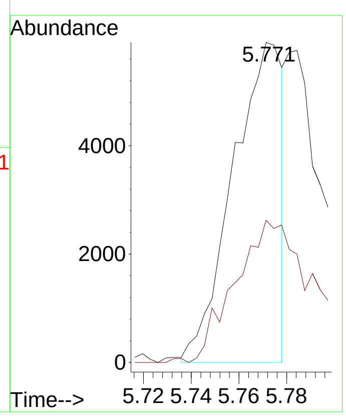


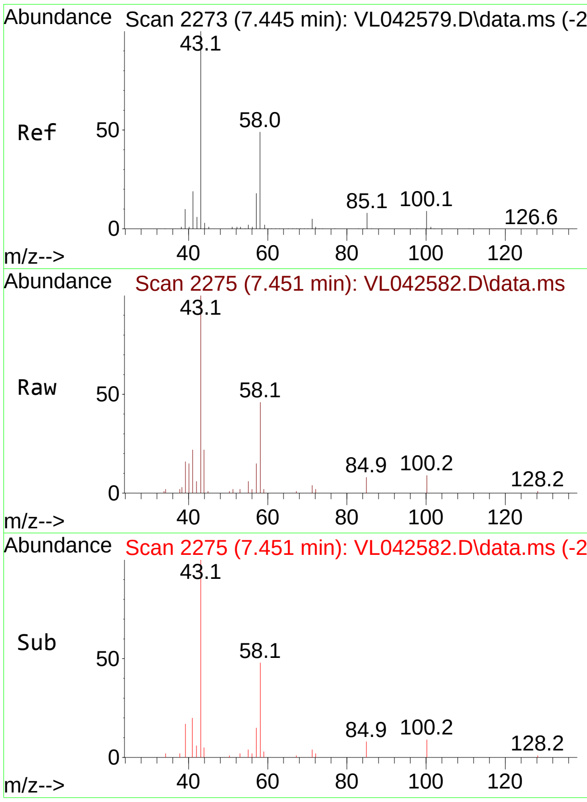


#50
4-Methyl-2-Pentanone
Concen: 0.279 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 8451

Ion	Ratio	Lower	Upper
43	100		
58	75.5	28.3	42.5#





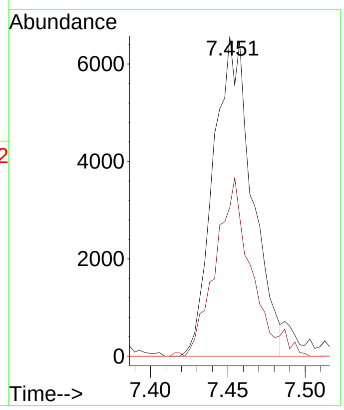
#51
2-Hexanone
Concen: 0.479 ppbv
RT: 7.451 min   Scan# 2

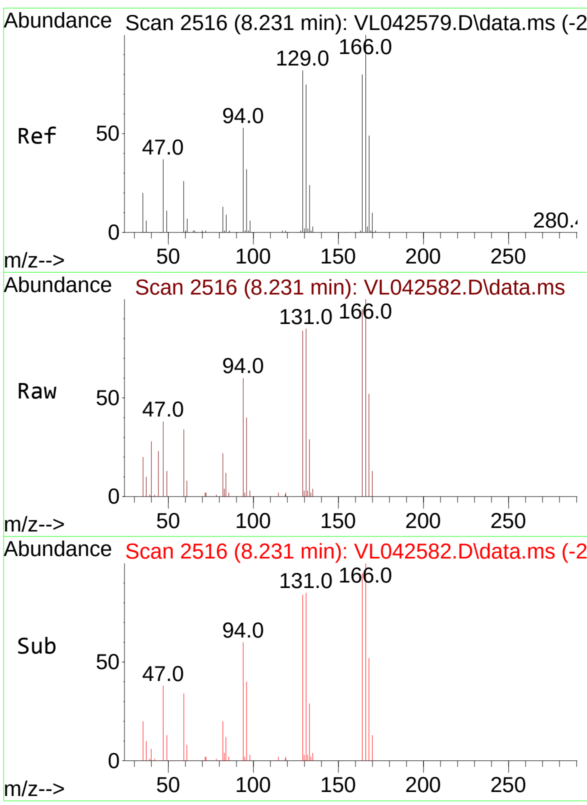
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T.   0.007 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 43 Resp: 11458

Ion	Ratio	Lower	Upper
43	100		
58	51.5	39.9	59.9
98	0.0	0.1	0.1#

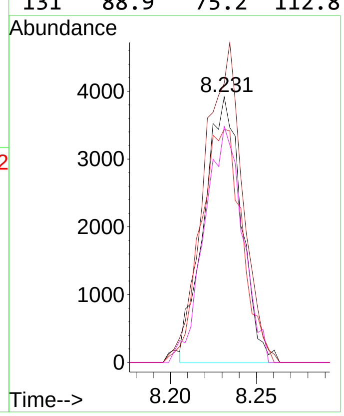


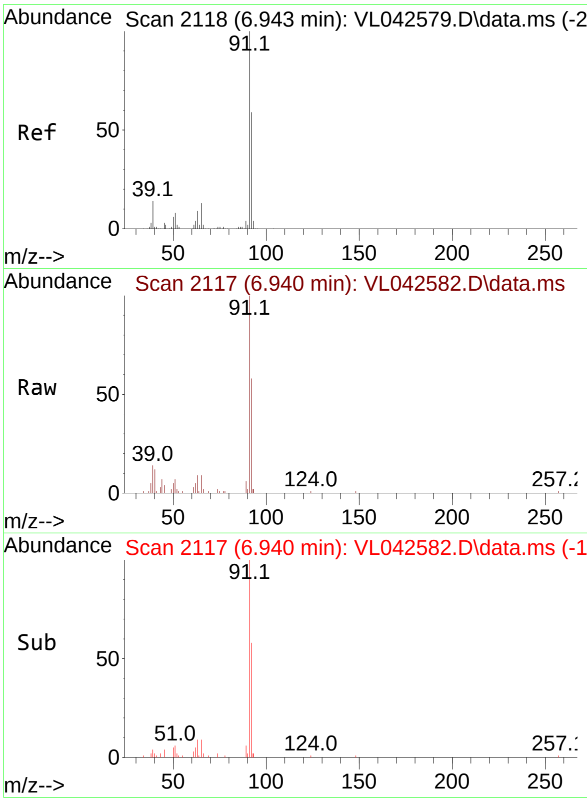


#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.231 min   Scan# 2516
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:164 Resp: 5950

Ion	Ratio	Lower	Upper
164	100		
166	105.1	100.0	150.0
129	87.8	82.2	123.4
131	88.9	75.2	112.8



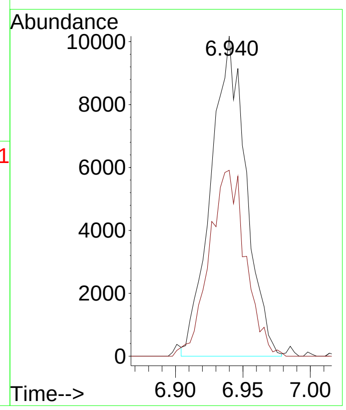


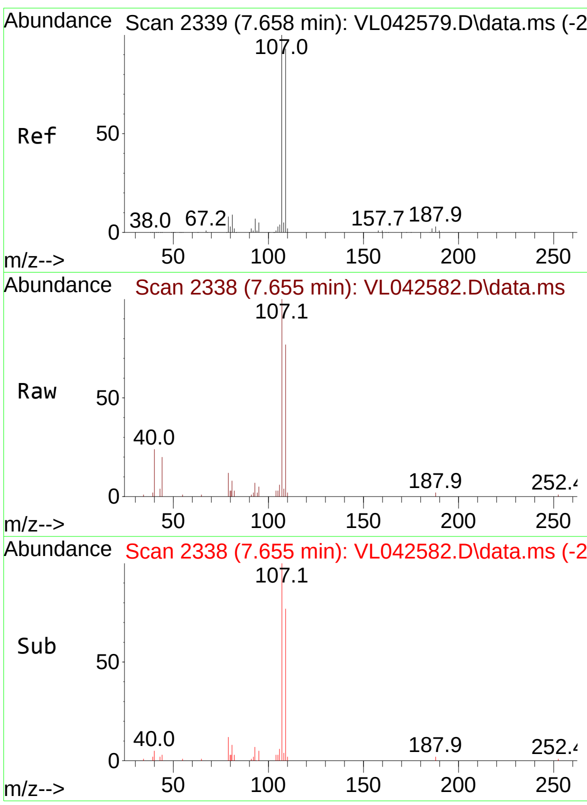
#53
Toluene
Concen: 0.532 ppbv
RT: 6.940 min   Scan# 21
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 18429

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.4

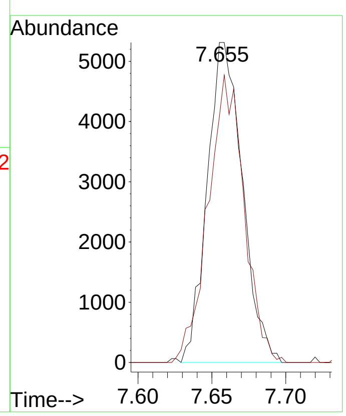


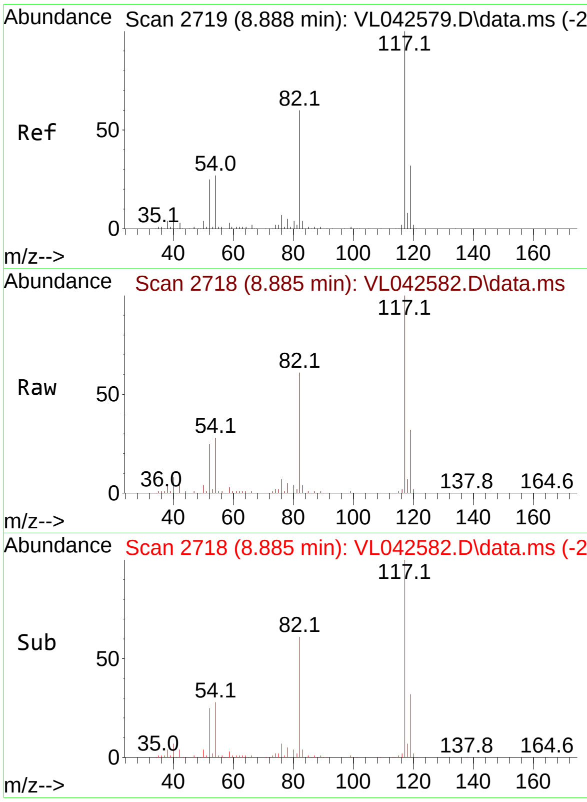


#54
1,2-Dibromoethane
Concen: 0.518 ppbv
RT: 7.655 min   Scan# 2338
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:107 Resp: 8810

Ion	Ratio	Lower	Upper
107	100		
109	75.3	74.3	111.5



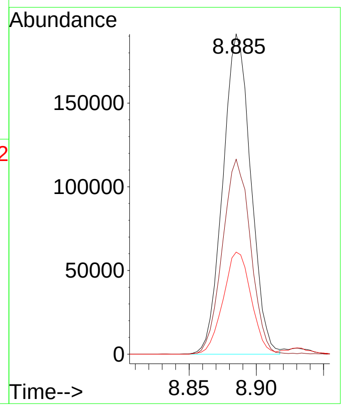


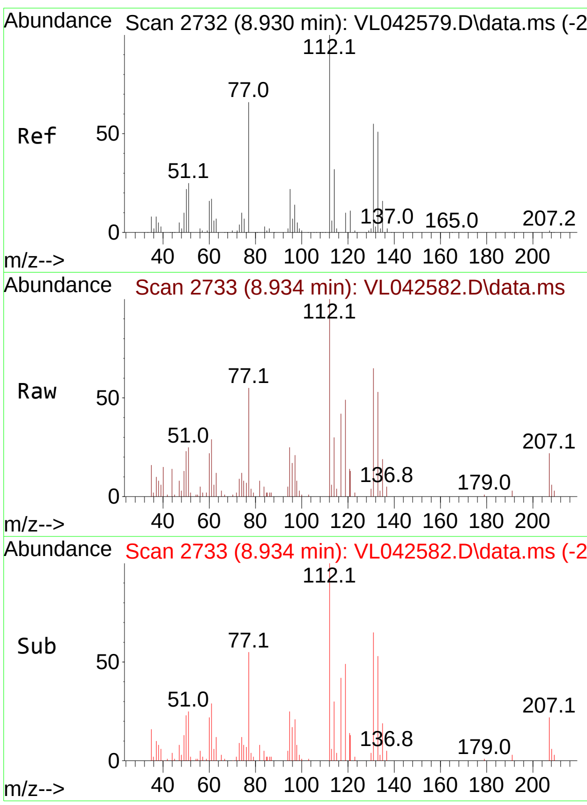
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 276104

Ion	Ratio	Lower	Upper
117	100		
82	61.6	51.2	76.8
119	32.5	26.3	39.5

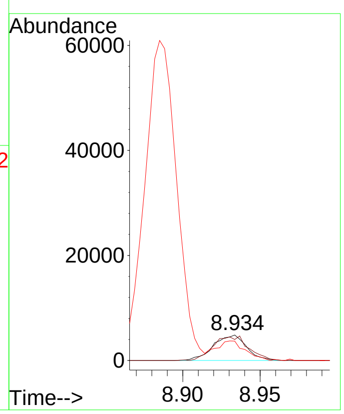


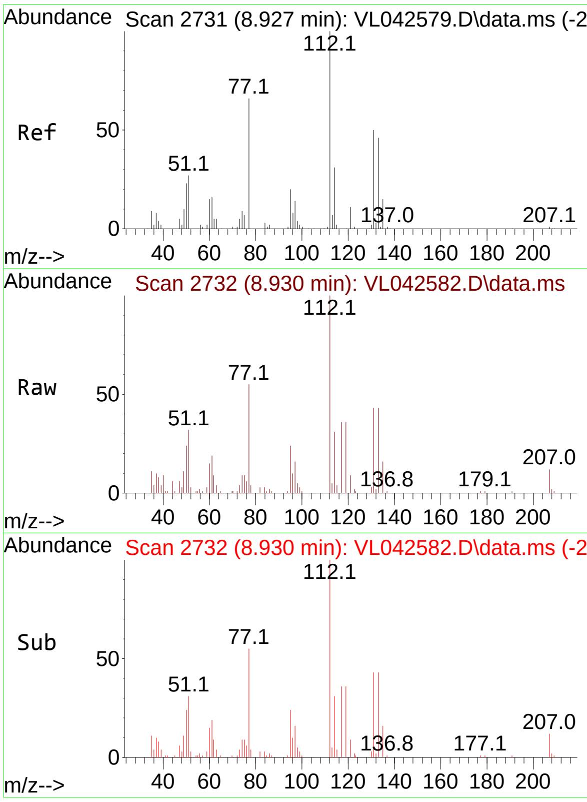


#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:131 Resp: 7178

Ion	Ratio	Lower	Upper
131	100		
133	102.6	75.0	112.6
119	52.0	50.8	76.2



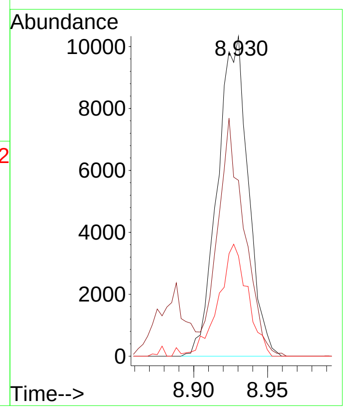


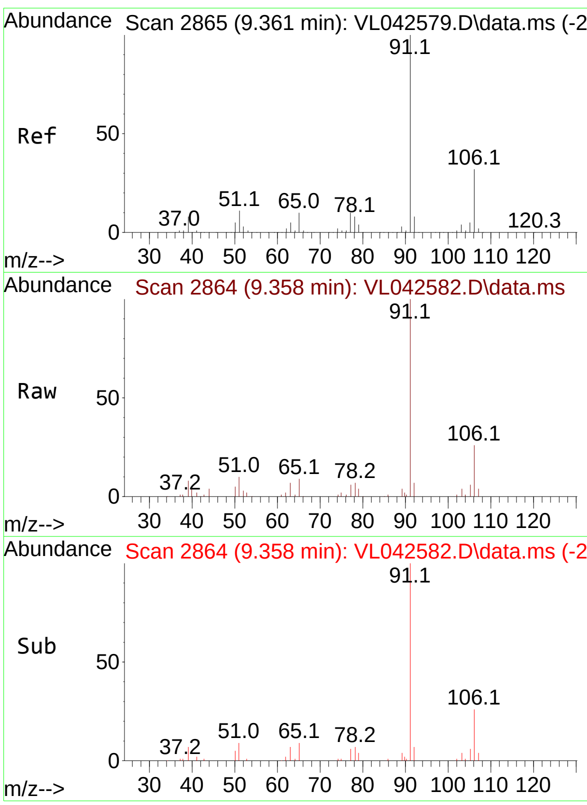
#57
Chlorobenzene
Concen: 0.557 ppbv
RT: 8.930 min   Scan# 2
Delta R.T.   0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 14920

Ion	Ratio	Lower	Upper
112	100		
77	54.0	53.5	80.3
114	31.2	27.8	34.0

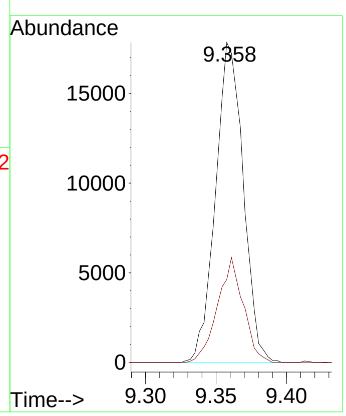


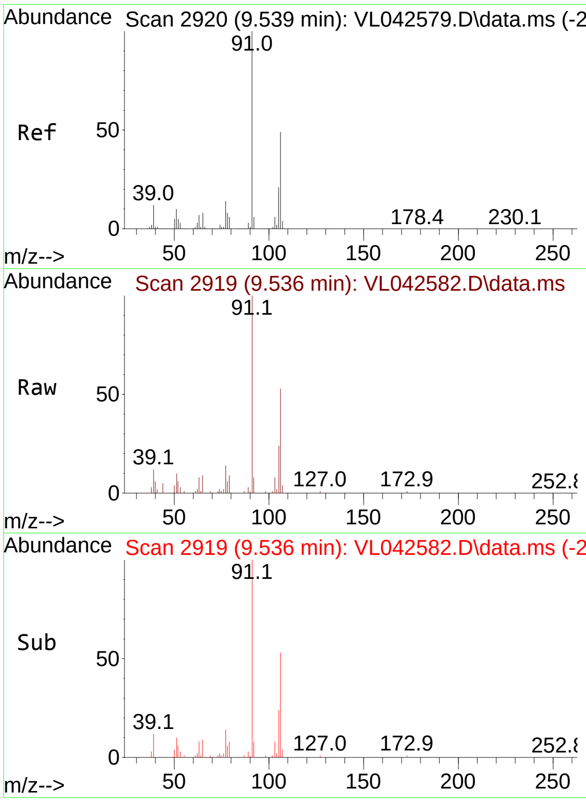


#58
Ethyl Benzene
Concen: 0.522 ppbv
RT: 9.358 min   Scan# 2864
Delta R.T.   -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion: 91 Resp: 24442

Ion	Ratio	Lower	Upper
91	100		
106	25.9	25.9	38.9



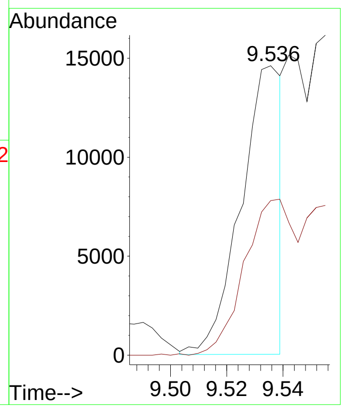


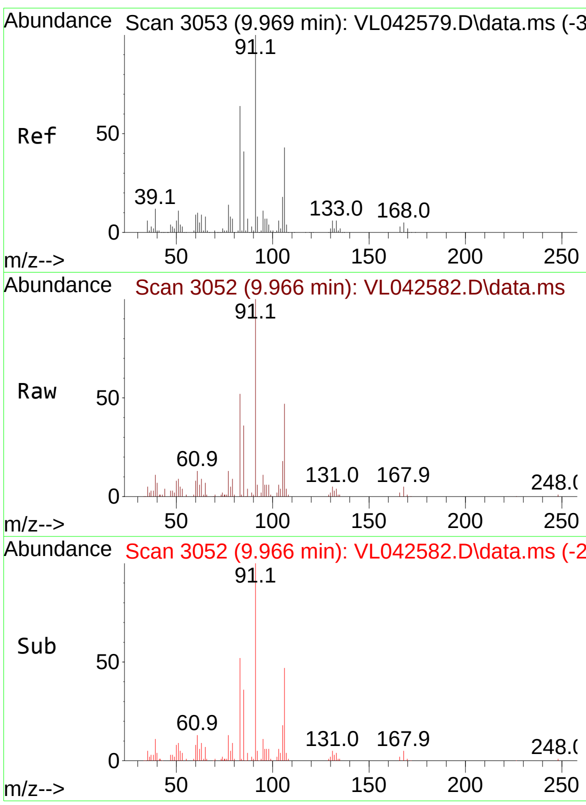
#59
m/p-Xylene
Concen: 0.398 ppbv
RT: 9.536 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 14666

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

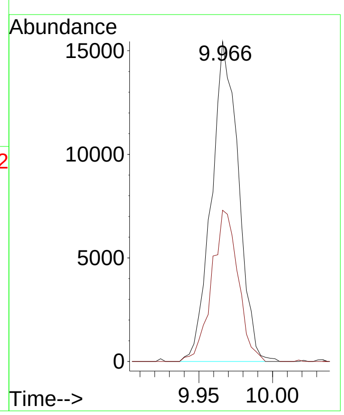


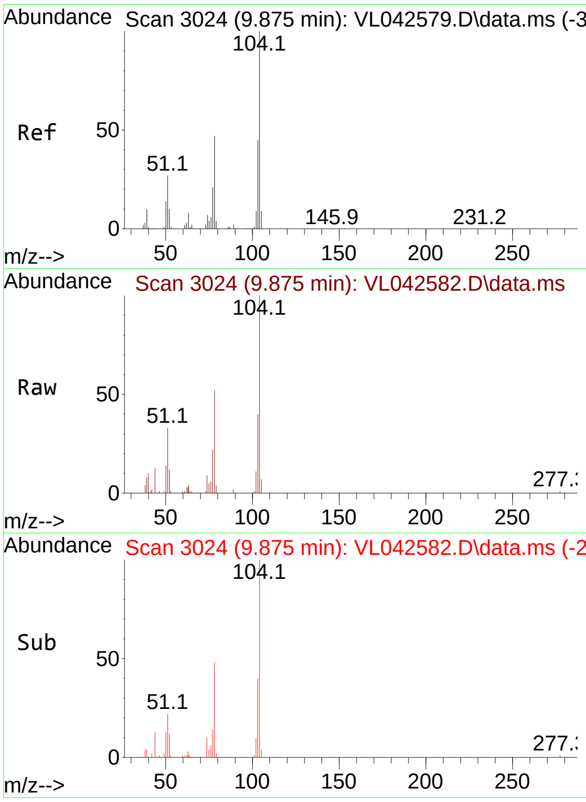


#60
o-Xylene
Concen: 0.537 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 19745

Ion	Ratio	Lower	Upper
91	100		
106	46.2	22.9	68.5





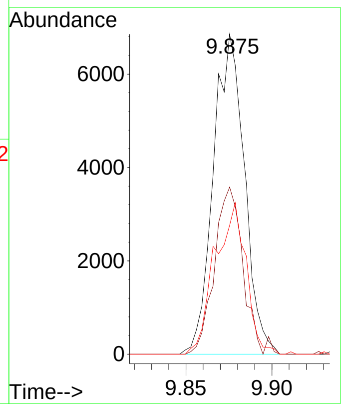
#61
Styrene
Concen: 0.497 ppbv
RT: 9.875 min   Scan# 30

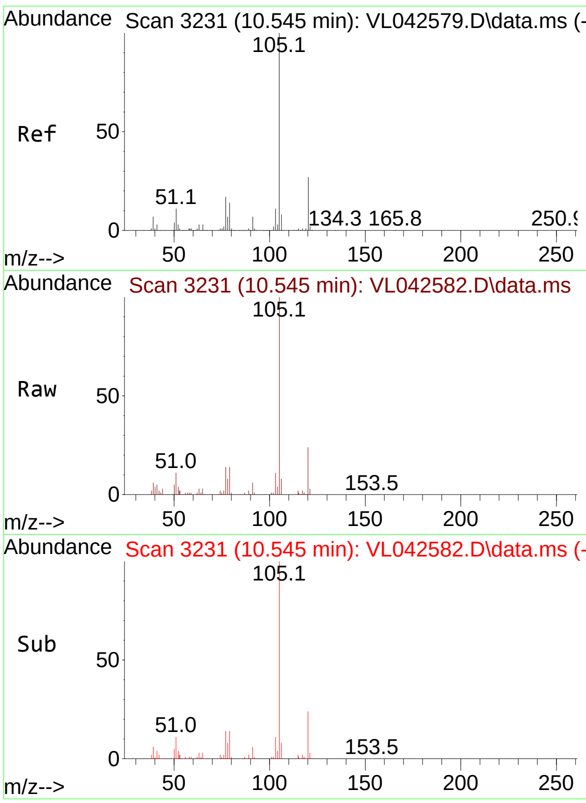
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:104 Resp: 8639

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.4
103	47.6	36.7	55.1

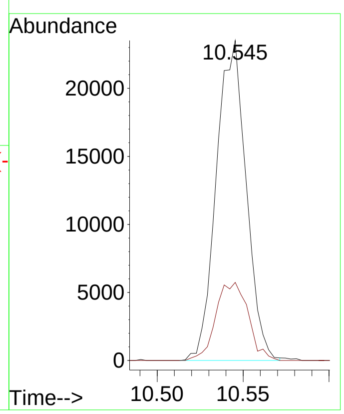


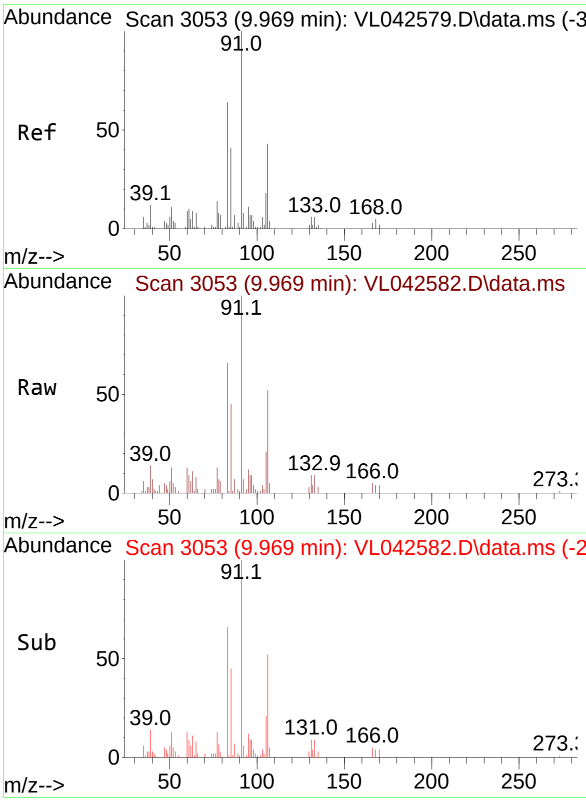


#62
Isopropylbenzene
Concen: 0.524 ppbv
RT: 10.545 min   Scan# 3231
Delta R.T.   0.000 min
Lab File: VL042582.D
Acq: 29 May 2025   12:47

Tgt Ion:105 Resp: 28442

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.9	31.3





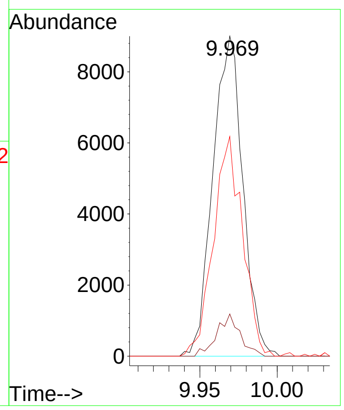
#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 9.969 min Scan# 30

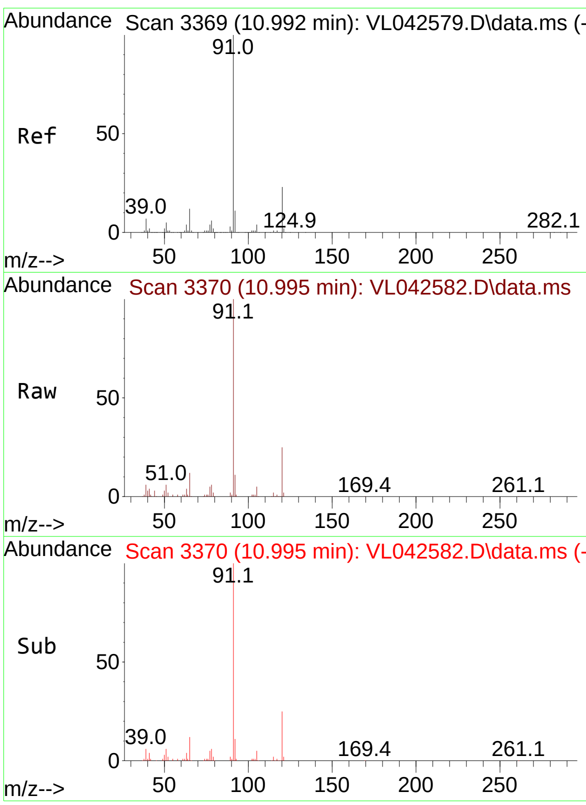
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 83 Resp: 12137

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	67.5	32.5	97.4

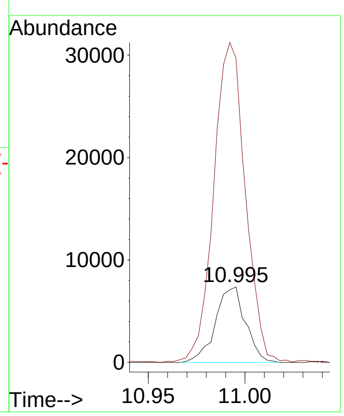


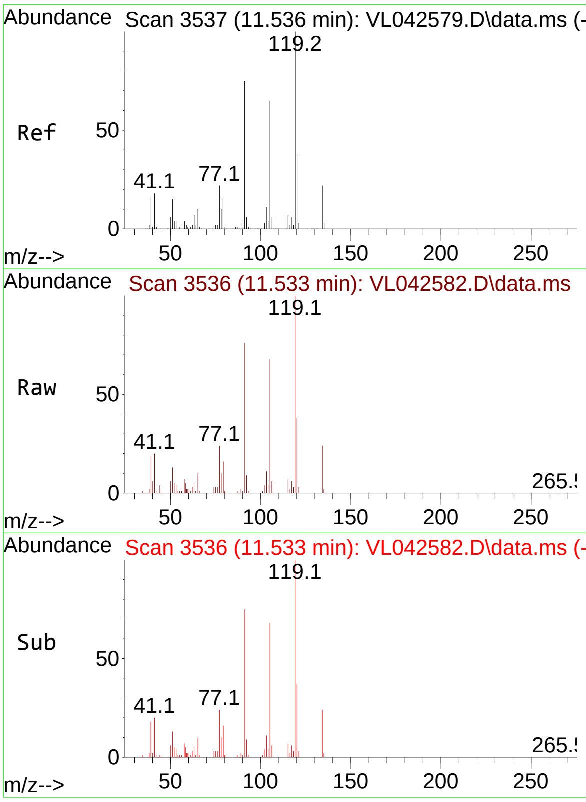


#64
n-propylbenzene
Concen: 0.549 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:120 Resp: 7993

Ion	Ratio	Lower	Upper
120	100		
91	447.2	363.0	544.6



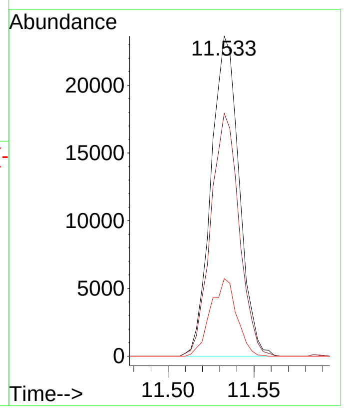


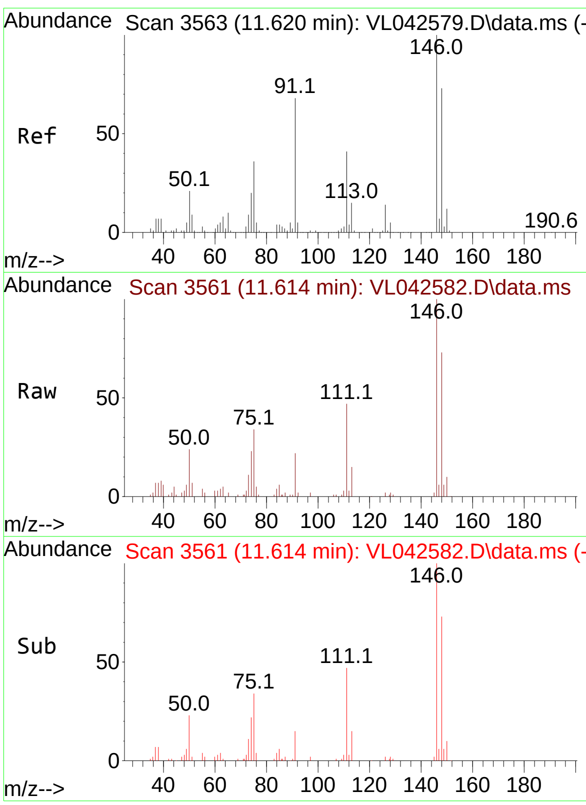
#65
tert-Butylbenzene
Concen: 0.545 ppbv
RT: 11.533 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 26856

Ion	Ratio	Lower	Upper
119	100		
91	76.7	61.1	91.7
134	22.6	17.4	26.2

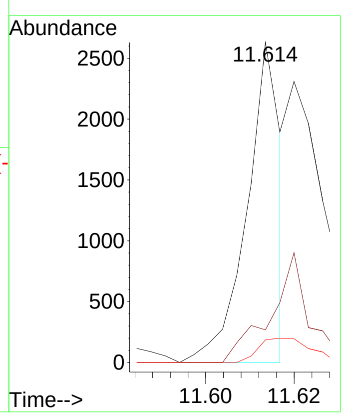


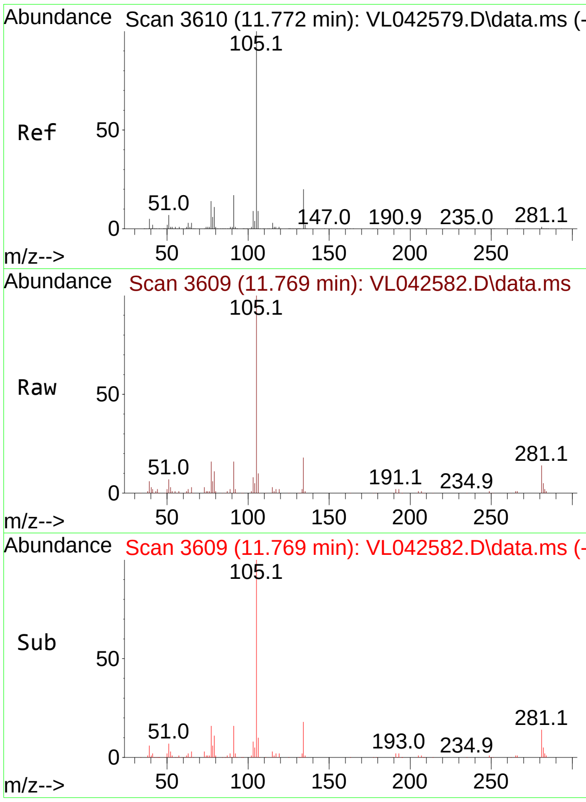


#66
Benzyl Chloride
Concen: 0.220 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 1398

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.1	22.7#
128	0.0	5.0	7.6#



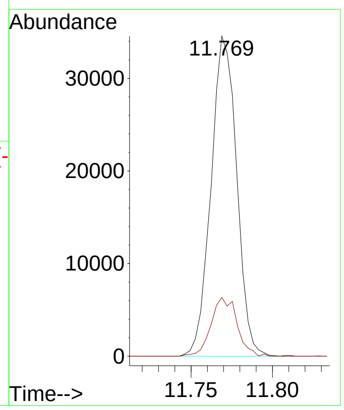


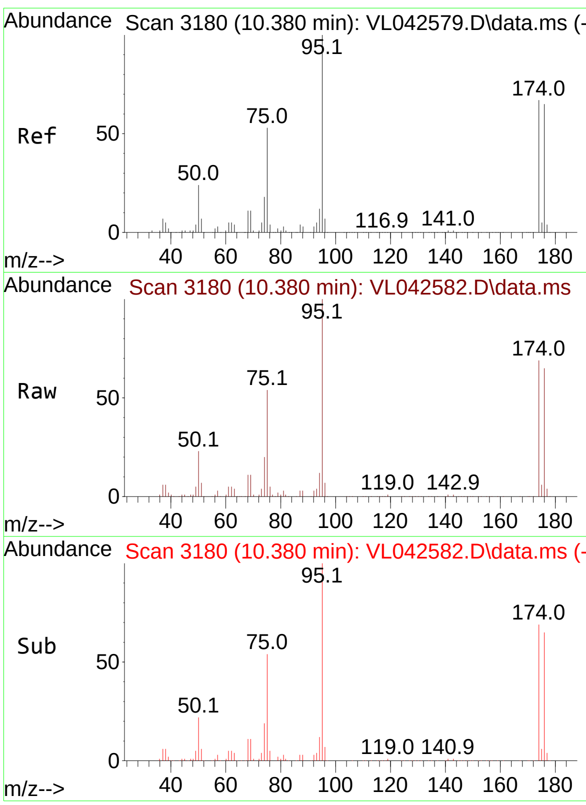
#67
sec-Butylbenzene
Concen: 0.547 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 37899

Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.8	23.6

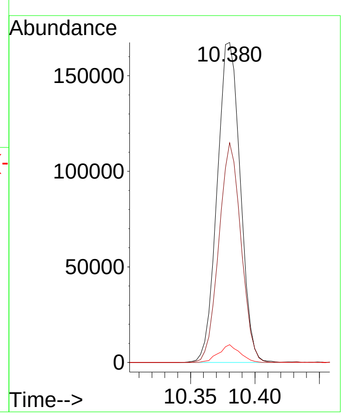


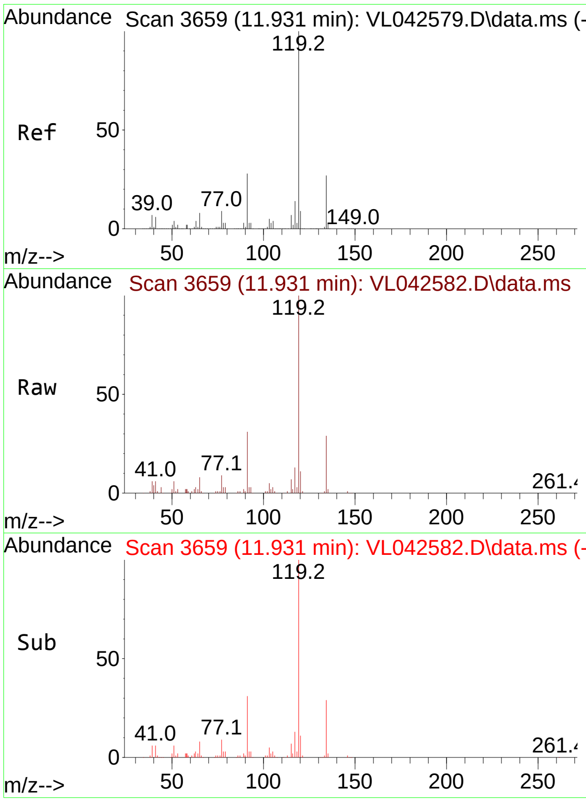


#68
1-Bromo-4-Fluorobenzene
Concen: 10.065 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 95 Resp: 208325

Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.1	79.7
175	5.1	4.2	6.2



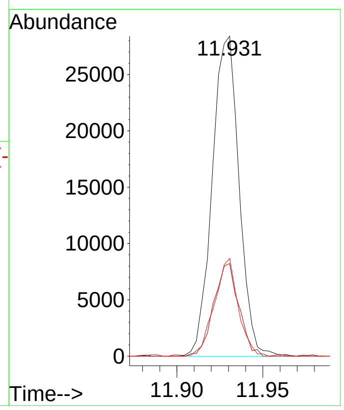


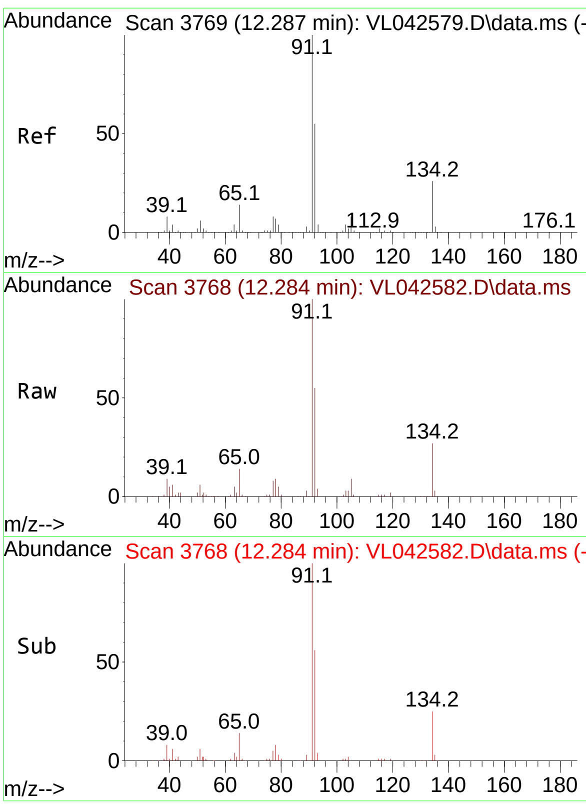
#69
p-Isopropyltoluene
Concen: 0.533 ppbv
RT: 11.931 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 30931

Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.1	31.7
91	27.5	21.9	32.9

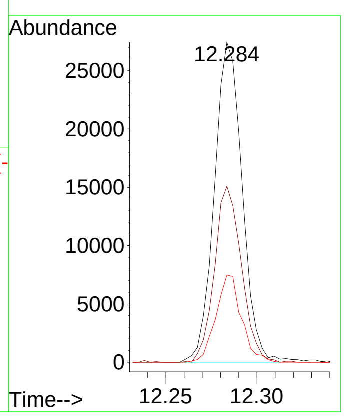


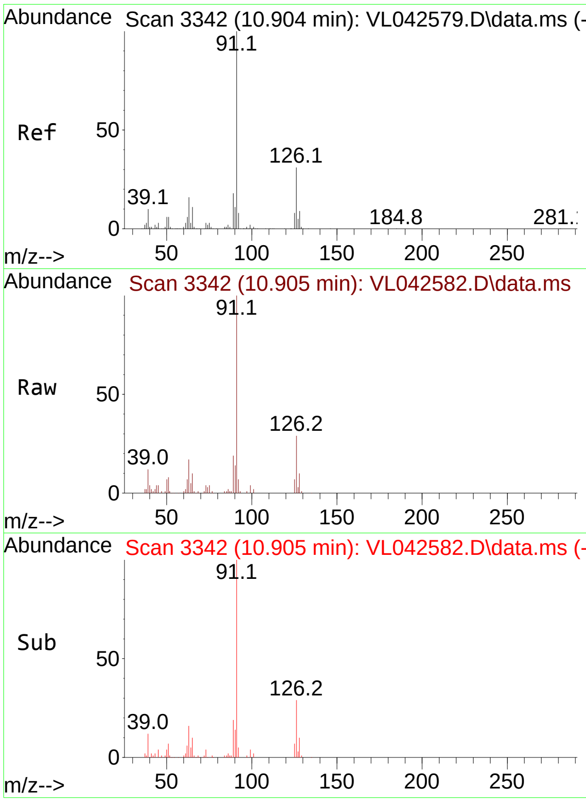


#70
n-Butylbenzene
Concen: 0.509 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 29130

Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.4	66.6
134	25.1	20.1	30.1



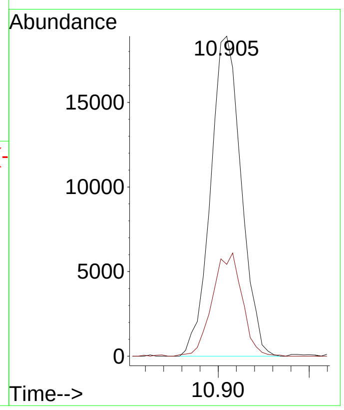


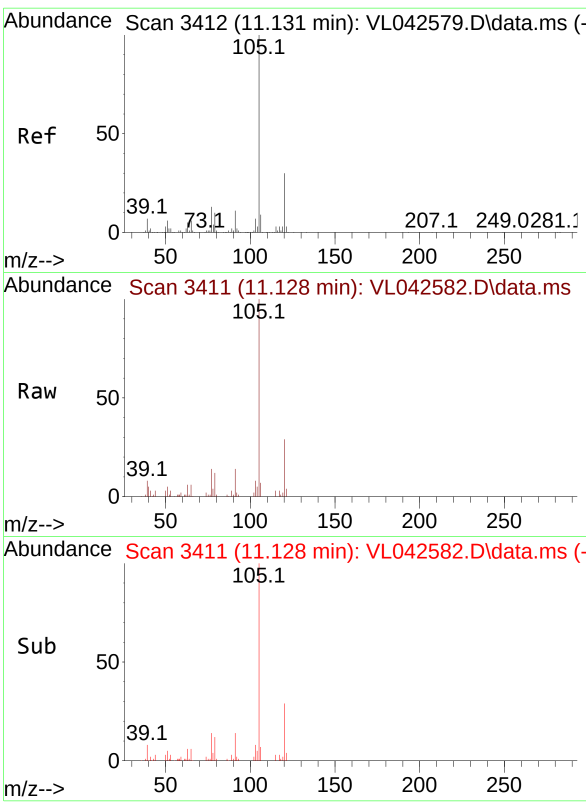
#71
2-Chlorotoluene
Concen: 0.534 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 22135

Ion	Ratio	Lower	Upper
91	100		
126	31.5	12.6	50.4

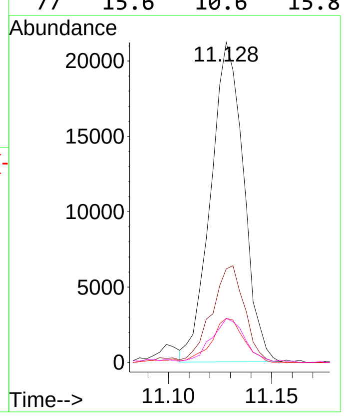


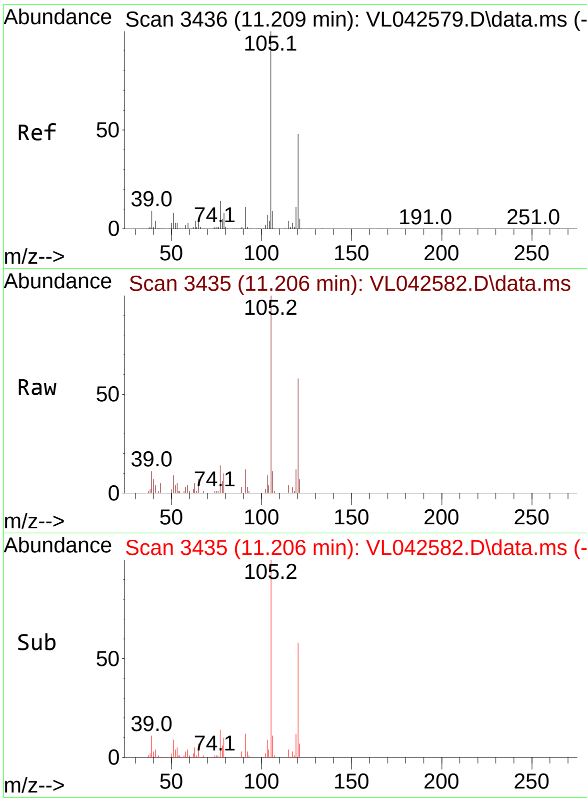


#72
4-Ethyltoluene
Concen: 0.513 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 23521

Ion	Ratio	Lower	Upper
105	100		
120	31.5	24.6	36.8
91	14.3	9.6	14.4
77	15.6	10.6	15.8



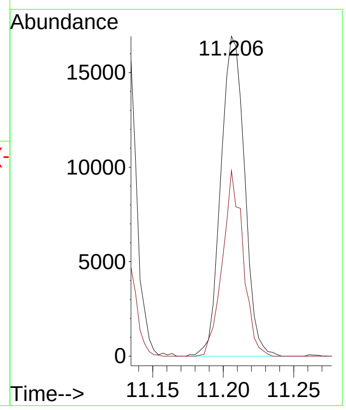


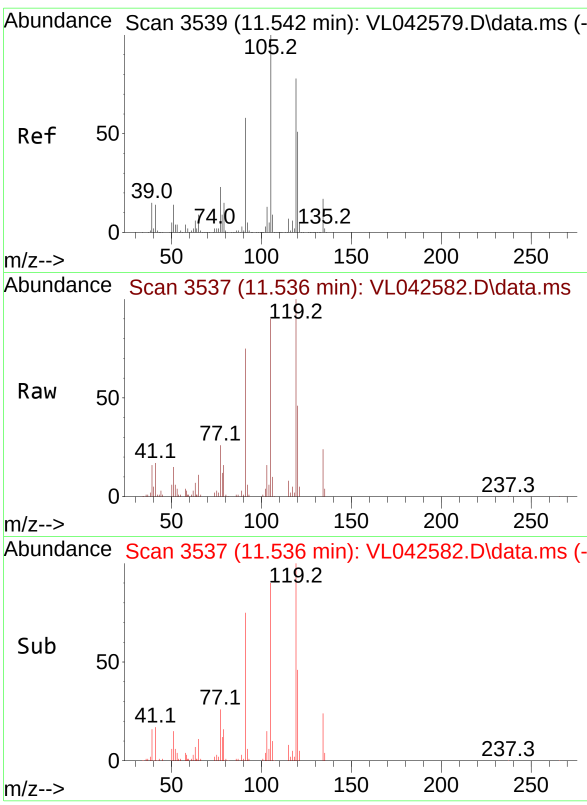
#73
1,3,5-Trimethylbenzene
Concen: 0.524 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 19891

Ion	Ratio	Lower	Upper
105	100		
120	58.0	38.8	58.2

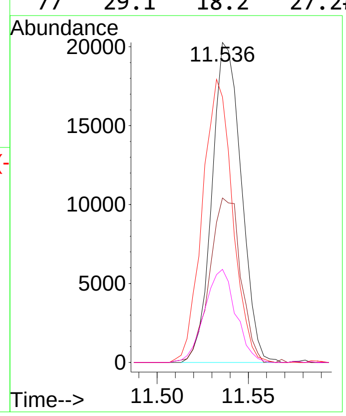


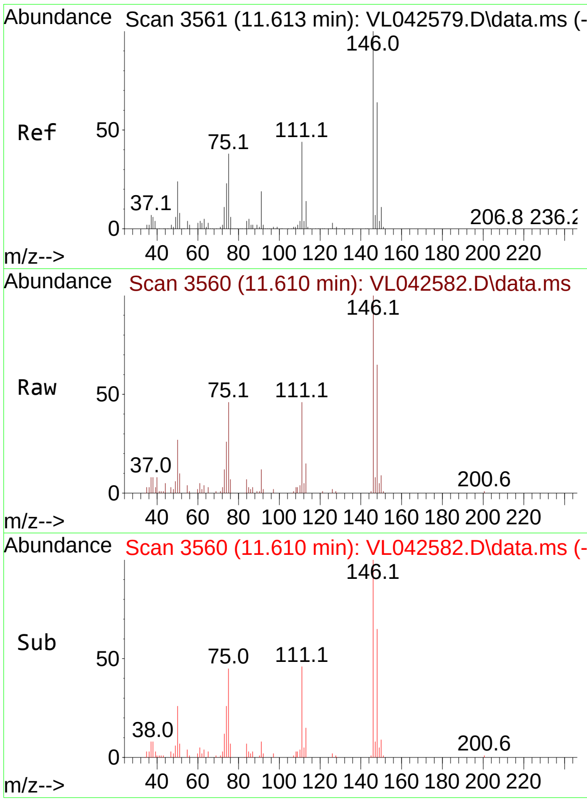


#74
1,2,4-Trimethylbenzene
Concen: 0.538 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 22635

Ion	Ratio	Lower	Upper
105	100		
120	50.6	40.8	61.2
91	83.0	46.8	70.2#
77	29.1	18.2	27.2#



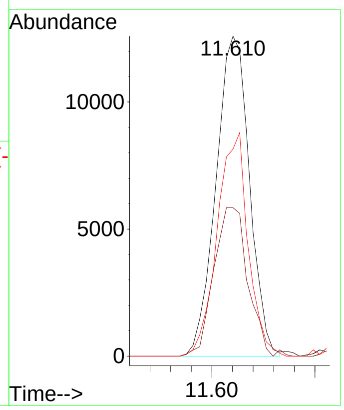


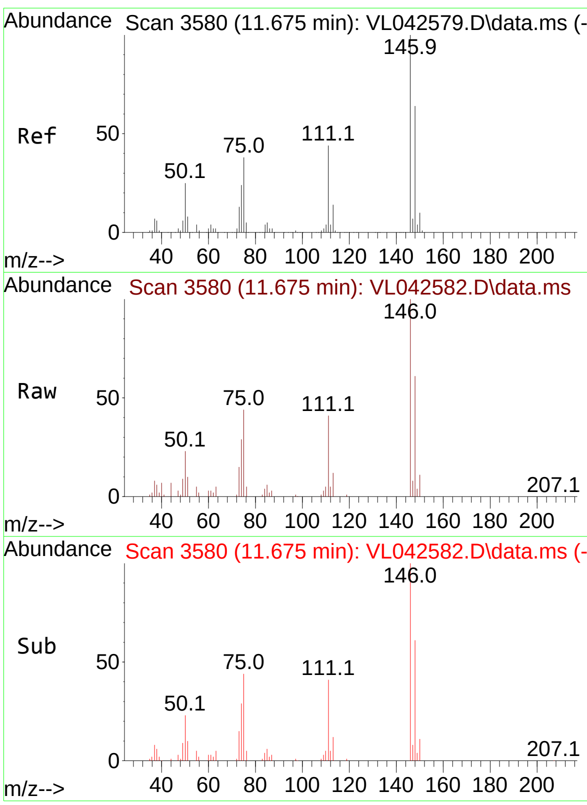
#75
1,3-Dichlorobenzene
Concen: 0.538 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 14232

Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.4	67.3
148	64.2	32.0	96.2

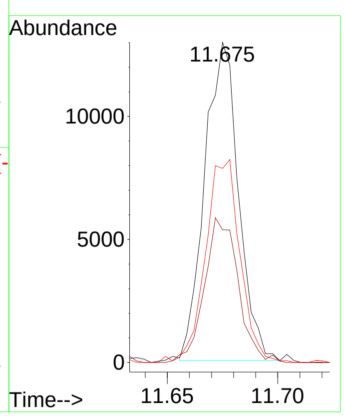


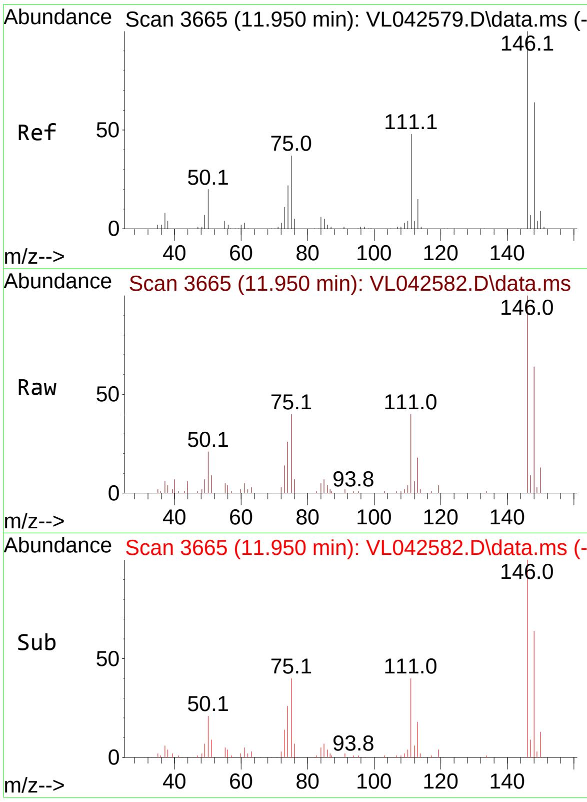


#76
1,4-Dichlorobenzene
Concen: 0.522 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:146 Resp: 13773

Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.6	64.8
148	65.5	32.1	96.5

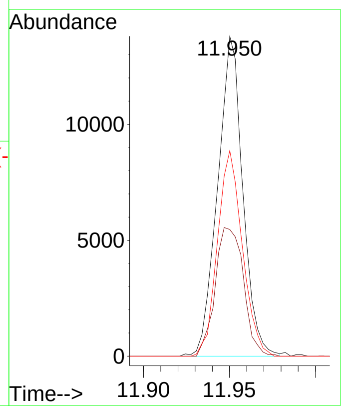


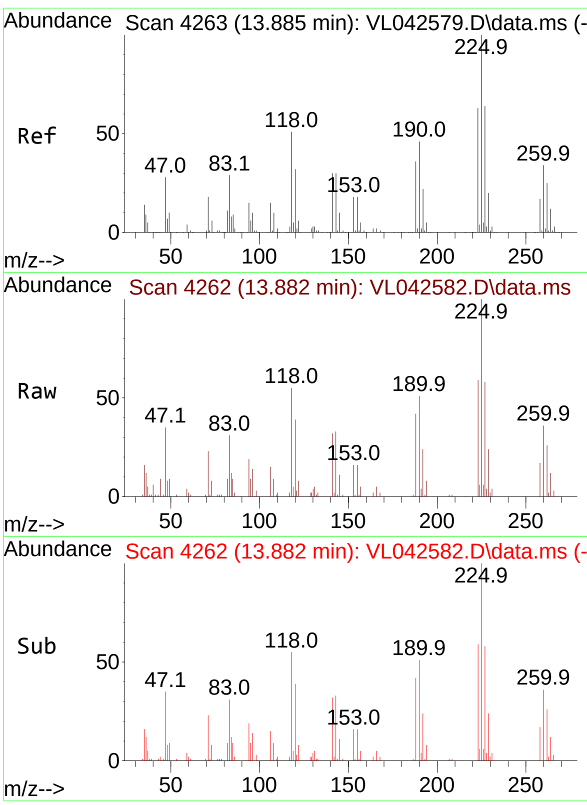


#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

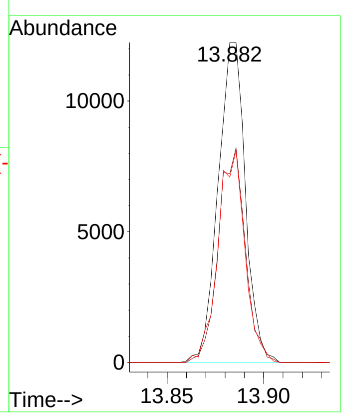
```
Tgt Ion:146 Resp:   14062
Ion  Ratio  Lower  Upper
146  100
111   45.2   23.1   69.3
148   63.5   32.1   96.3
```

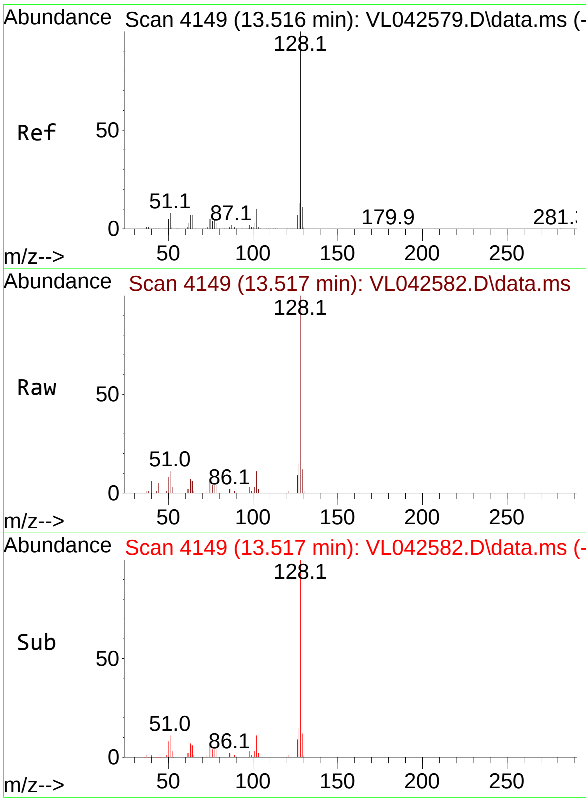




#78
Hexachloro-1,3-Butadiene
Concen: 0.567 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

```
Tgt Ion:225 Resp:   12036
Ion  Ratio  Lower  Upper
225  100
223   66.2   50.2   75.4
227   65.3   51.1   76.7
```



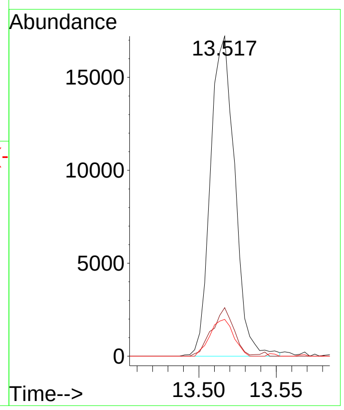


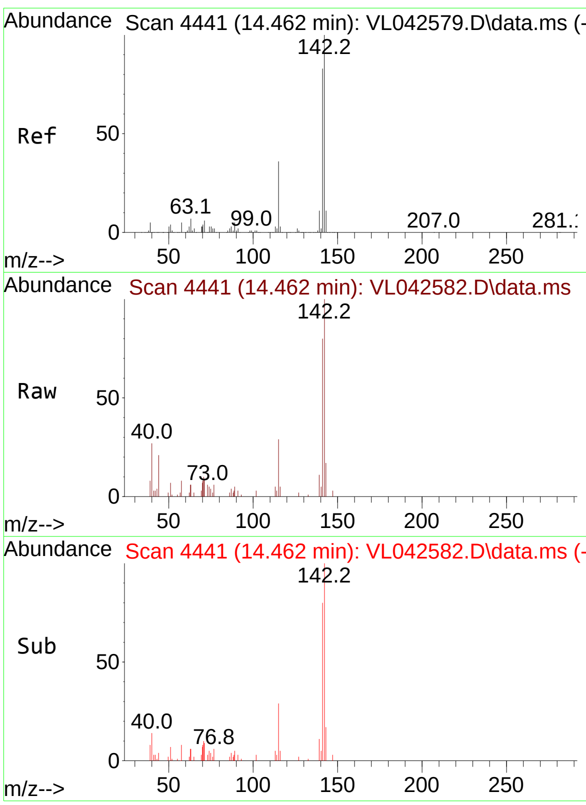
#79
Naphthalene
Concen: 0.477 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 18853

Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.2	15.4
129	11.5	8.8	13.2

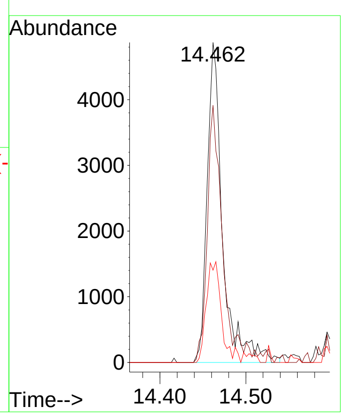


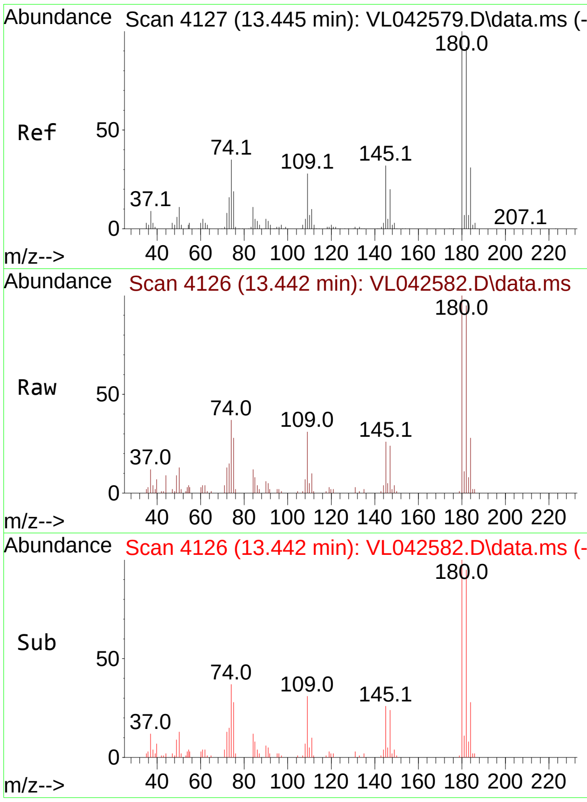


#80
Naphthalene,2-methyl-
Concen: 0.342 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:142 Resp: 6126

Ion	Ratio	Lower	Upper
142	100		
141	81.6	66.2	99.4
115	33.8	28.3	42.5



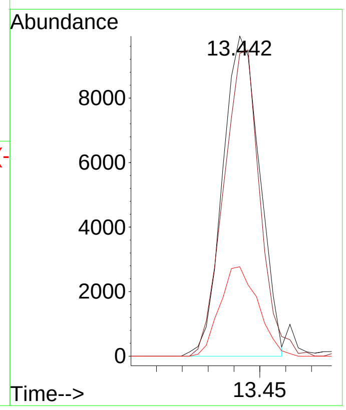


#81
1,2,4-Trichlorobenzene
Concen: 0.446 ppbv
RT: 13.442 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 9879

Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
184	28.9	24.6	36.8



Quantitation Report   (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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
2) Dichlorodifluoromethane	1.499	85	1430	0.113	ppbv #	84
3) Chlorodifluoromethane	1.476	51	1965	0.112	ppbv	95
4) Chloromethane	1.534	50	610	0.121	ppbv #	30
5) Vinyl Chloride	1.580	62	481	0.094	ppbv #	31
6) Bromomethane	1.667	94	300	0.120	ppbv #	61
7) Chloroethane	1.706	64	97	0.049	ppbv #	67
8) Dichlorotetrafluoroethane	1.554	85	1231	0.116	ppbv	96
9) Propene	1.127	41	81	0.011	ppbv	86
10) Heptane	4.978	43	458	0.023	ppbv #	28
11) Trichlorofluoromethane	1.878	101	1340	0.113	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	968	0.104	ppbv #	74
13) Ethanol	1.722	45	110	0.140	ppbv	71
14) Bromoethene	1.784	108	334	0.096	ppbv #	63
15) Acetone	1.839	43	2272	0.182	ppbv #	86
16) 1,3-Butadiene	1.609	39	739	0.125	ppbv	98
17) tert-Butyl alcohol	2.049	59	1477	0.114	ppbv #	50
18) 1,1-Dichloroethene	2.036	96	501	0.116	ppbv	89
19) Isopropyl Alcohol	1.890	45	1079	0.145	ppbv #	38
20) Methylene Chloride	2.062	84	1160	0.282	ppbv #	92
21) Allyl Chloride	2.094	41	1240	0.141	ppbv #	60
22) trans-1,2-Dichloroethene	2.036	96	501	0.104	ppbv	92
23) Vinyl Acetate	2.467	43	2108	0.125	ppbv #	72
24) 1,1-Dichloroethane	2.412	63	1231	0.124	ppbv #	86
25) Ethyl Acetate	2.849	43	2623	0.077	ppbv #	77
26) Hexane	2.829	57	1816	0.117	ppbv #	8
27) Carbon Disulfide	2.153	76	641	0.054	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	614	0.098	ppbv #	50
29) Chloroform	2.849	83	2298	0.114	ppbv #	72
30) Cyclohexane	3.865	84	743	0.058	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	1499	0.106	ppbv #	78
32) 1,1,1-Trichloroethane	3.373	97	2153	0.107	ppbv	90
34) 2-Butanone	2.567	43	3113	0.144	ppbv #	87
35) Carbon Tetrachloride	3.768	117	2135	0.107	ppbv #	76
36) Benzene	3.661	78	3109	0.104	ppbv #	89
37) 1,2-Dichloroethane	3.221	62	1731	0.117	ppbv	99
38) Trichloroethene	4.548	130	963	0.076	ppbv #	62
39) 1,2-Dichloropropane	3.962	63	73521	6.683	ppbv #	22
40) 1,4-Dioxane	4.612	88	74	0.016	ppbv #	1
41) Tetrahydrofuran	3.072	42	1452	0.115	ppbv	94
42) Bromodichloromethane	4.496	83	1835	0.087	ppbv #	87
43) Methyl Methacrylate	4.891	69	685	0.059	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	3117	0.061	ppbv #	24
45) t-1,3-Dichloropropene	6.419	75	397	0.030	ppbv	95

Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	449	0.027	ppbv	#	57
47) 1,1,2-Trichloroethane	6.590	97	786	0.069	ppbv	#	61
48) Dibromochloromethane	7.393	129	1718	0.094	ppbv		87
49) Bromoform	9.490	173	1444	0.092	ppbv		91
50) 4-Methyl-2-Pentanone	5.768	43	563	0.019	ppbv	#	33
51) 2-Hexanone	7.457	43	1172	0.049	ppbv	#	28
52) Tetrachloroethene	8.238	164	1060	0.095	ppbv	#	73
53) Toluene	6.940	91	1577	0.046	ppbv	#	1
54) 1,2-Dibromoethane	7.648	107	492	0.029	ppbv		89
56) 1,1,1,2-Tetrachloroethane	8.940	131	527	0.038	ppbv	#	9
57) Chlorobenzene	8.924	112	1397	0.053	ppbv	#	71
58) Ethyl Benzene	9.361	91	3383	0.073	ppbv		96
59) m/p-Xylene	9.542	91	3685	0.101	ppbv	#	29
60) o-Xylene	9.972	91	3081	0.084	ppbv		76
61) Styrene	9.882	104	1504	0.087	ppbv		88
62) Isopropylbenzene	10.542	105	5949	0.110	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	2267	0.098	ppbv		96
64) n-propylbenzene	10.992	120	1232	0.085	ppbv	#	63
65) tert-Butylbenzene	11.536	119	5169	0.106	ppbv		96
66) Benzyl Chloride	11.623	91	234	0.037	ppbv	#	66
67) sec-Butylbenzene	11.775	105	3973	0.058	ppbv	#	59
69) p-Isopropyltoluene	11.934	119	5605	0.097	ppbv		95
70) n-Butylbenzene	12.287	91	4829	0.085	ppbv		97
71) 2-Chlorotoluene	10.908	91	4065	0.099	ppbv		96
72) 4-Ethyltoluene	11.131	105	3986	0.088	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.206	105	3615	0.096	ppbv	#	83
74) 1,2,4-Trimethylbenzene	11.542	105	4287	0.103	ppbv	#	82
75) 1,3-Dichlorobenzene	11.613	146	2648	0.101	ppbv		91
76) 1,4-Dichlorobenzene	11.675	146	2574	0.098	ppbv		94
77) 1,2-Dichlorobenzene	11.953	146	2775	0.109	ppbv		97
78) Hexachloro-1,3-Butadiene	13.882	225	2440	0.116	ppbv		91
79) Naphthalene	13.523	128	2887	0.074	ppbv		98
80) Naphthalene,2-methyl-	14.481	142	688	0.039	ppbv	#	82
81) 1,2,4-Trichlorobenzene	13.448	180	1109	0.050	ppbv	#	70

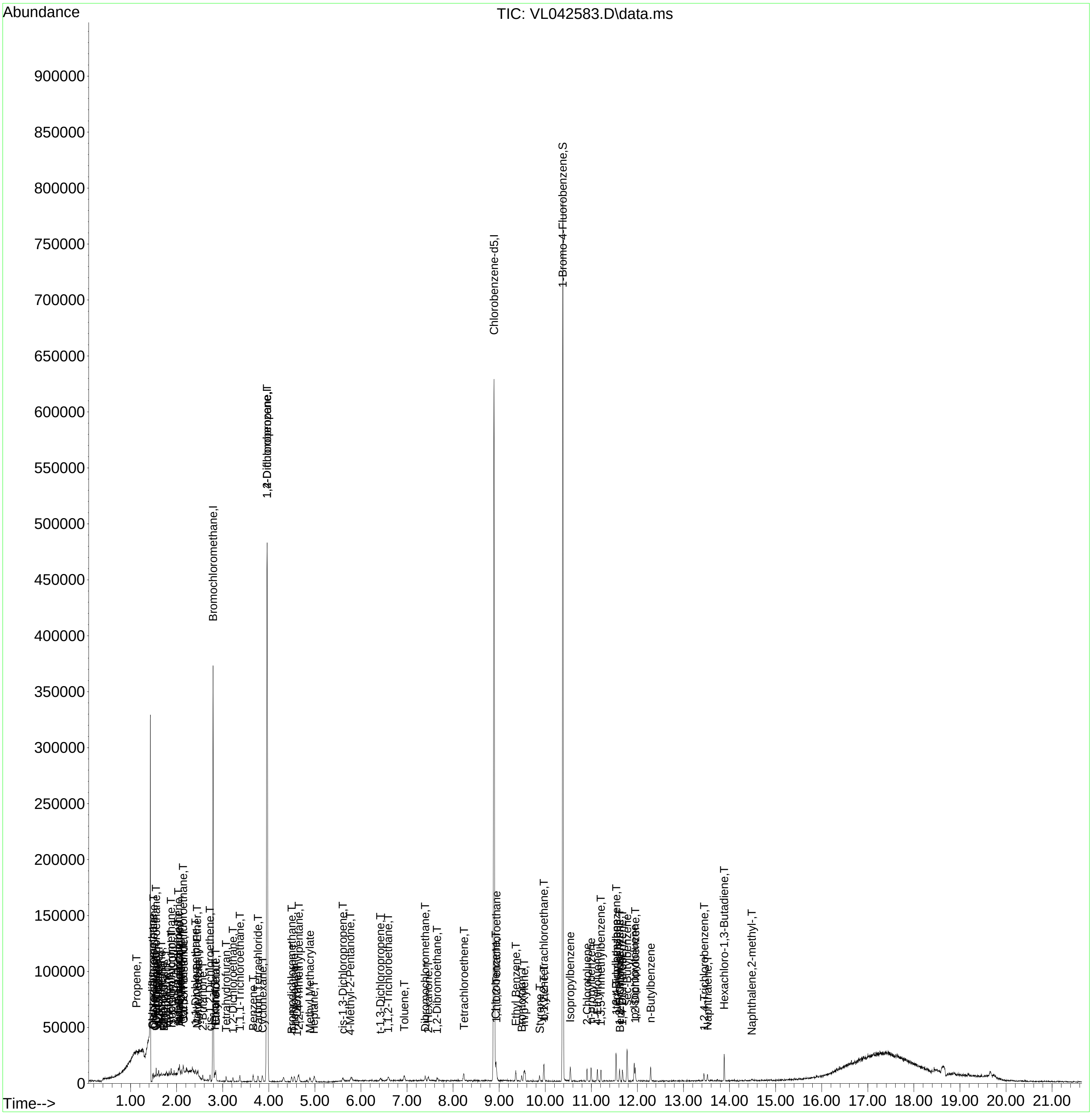
(#) = qualifier out of range (m) = manual integration (+) = signals summed

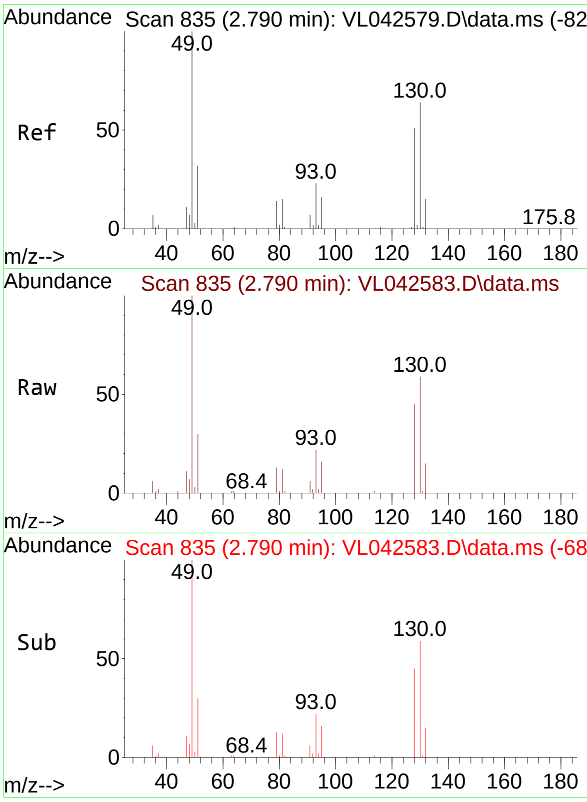
Quantitation Report   (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration



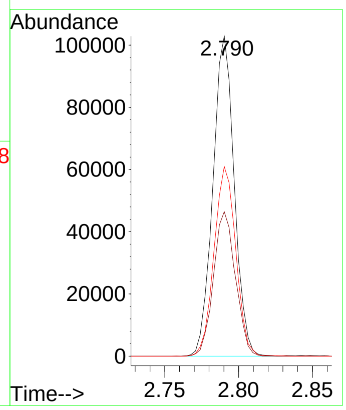


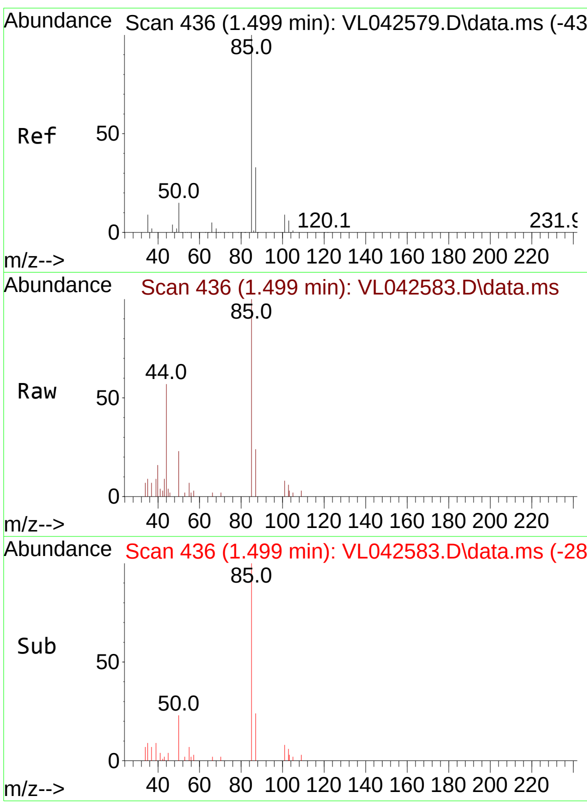
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 103370

Ion	Ratio	Lower	Upper
49	100		
128	46.5	24.2	72.6
130	60.4	30.4	91.2

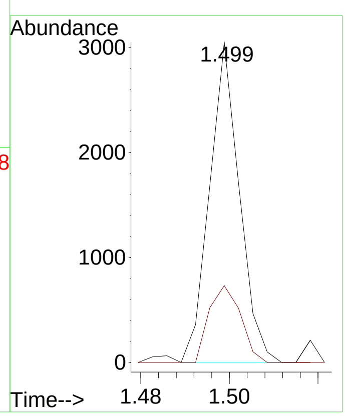


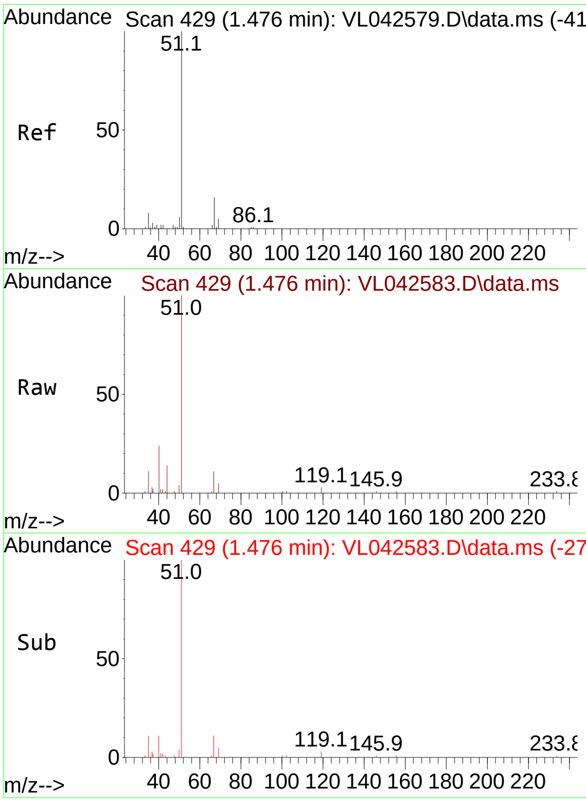


#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 85 Resp: 1430

Ion	Ratio	Lower	Upper
85	100		
87	24.0	26.6	39.8#





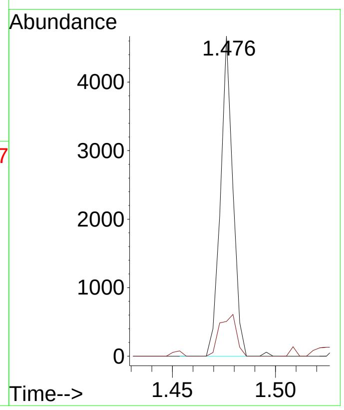
#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 1.476 min Scan# 4

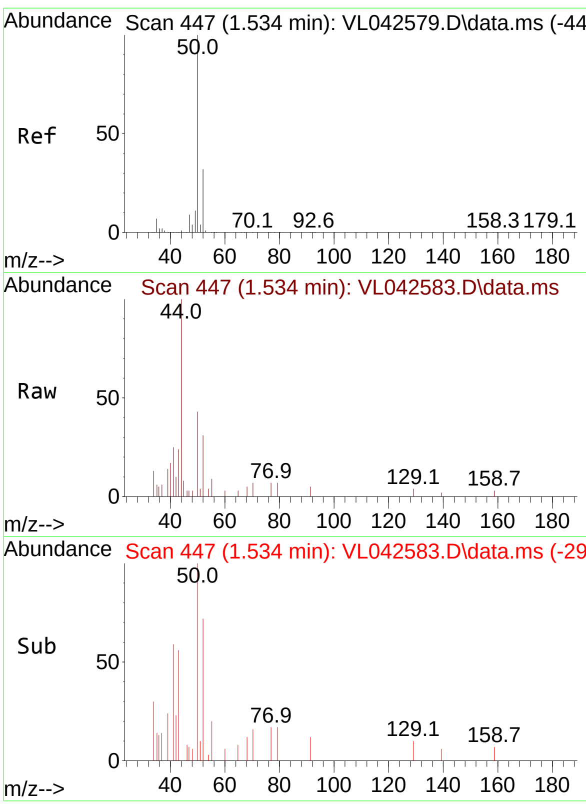
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 51 Resp: 1965

Ion	Ratio	Lower	Upper
51	100		
67	19.0	13.4	20.2

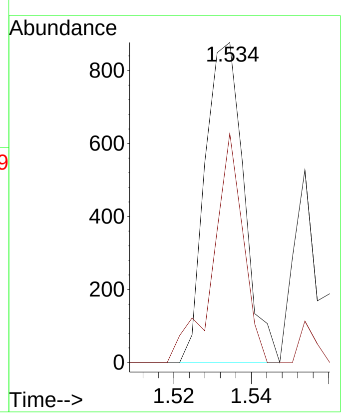


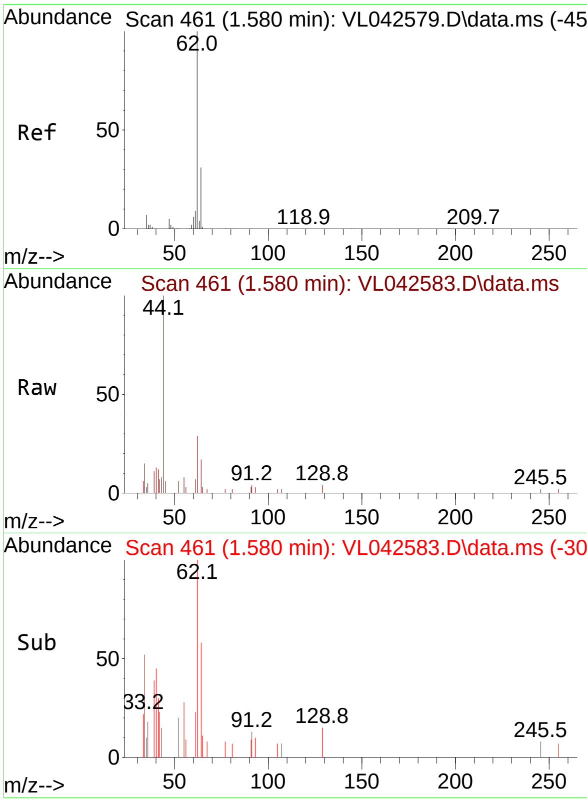


#4
Chloromethane
Concen: 0.121 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 50 Resp: 610

Ion	Ratio	Lower	Upper
50	100		
52	71.6	25.8	38.6#



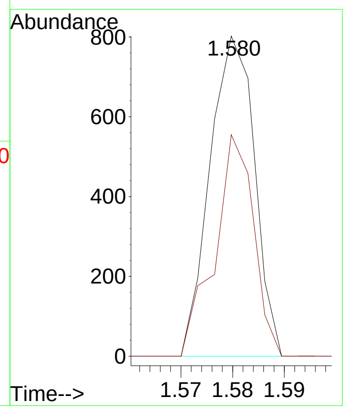


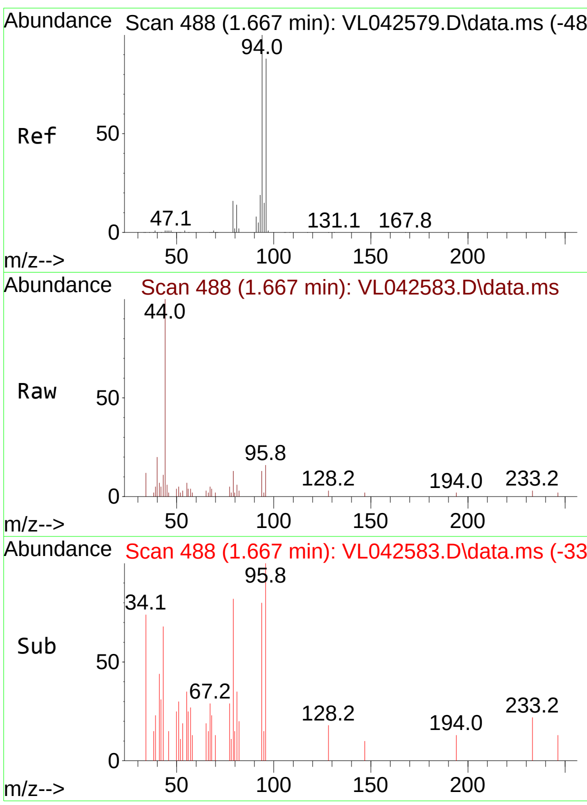
#5
Vinyl Chloride
Concen: 0.094 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 481

Ion	Ratio	Lower	Upper
62	100		
64	69.2	24.9	37.3#

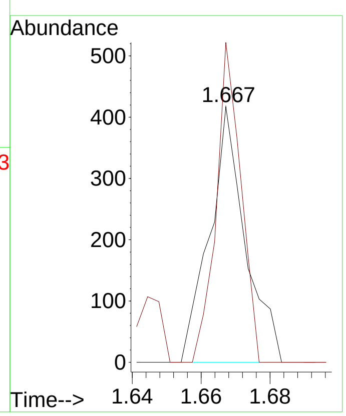


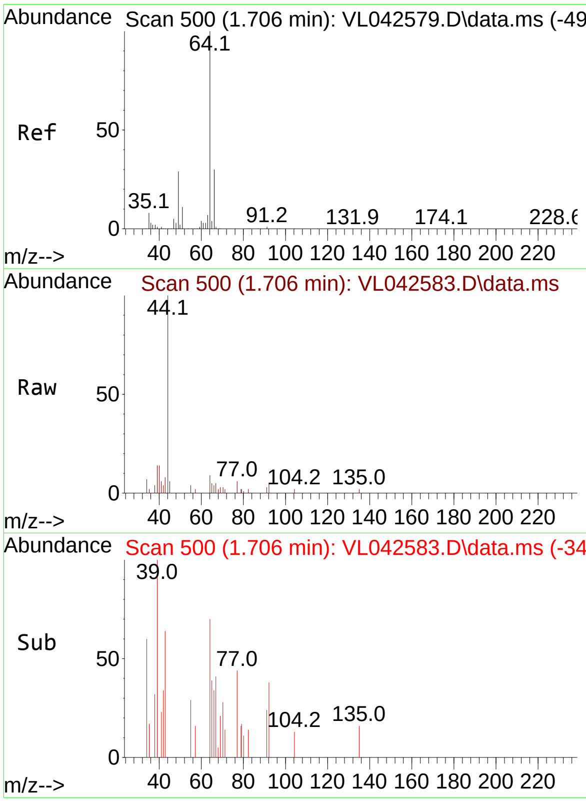


#6
Bromomethane
Concen: 0.120 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 94 Resp: 300

Ion	Ratio	Lower	Upper
94	100		
96	125.2	70.7	106.1#



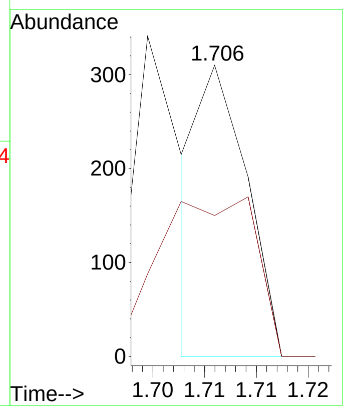


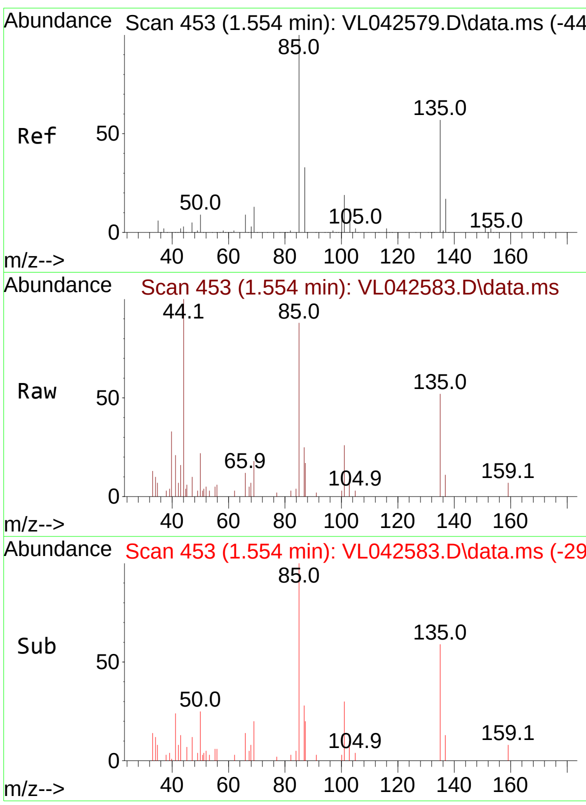
#7
Chloroethane
Concen: 0.049 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 97

Ion	Ratio	Lower	Upper
64	100		
66	48.4	24.3	36.5#

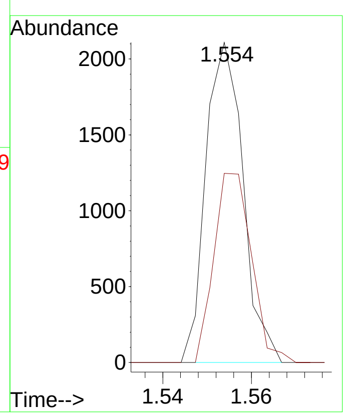


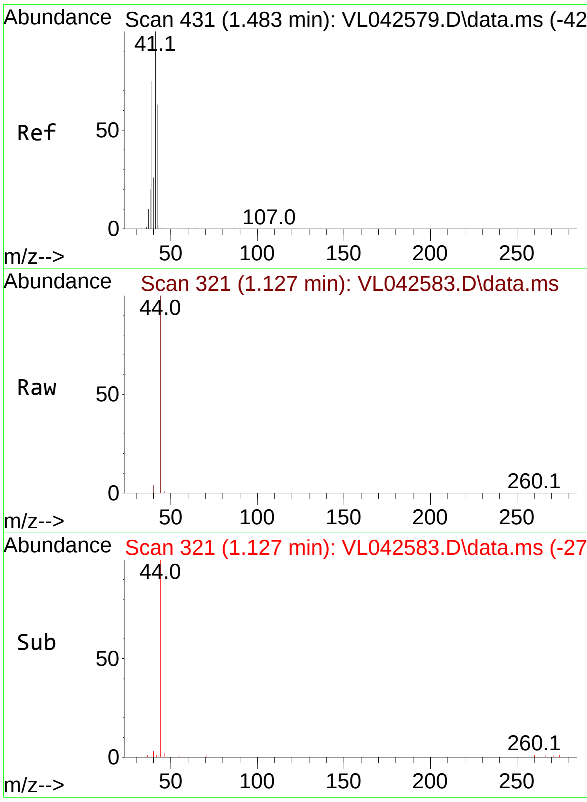


#8
Dichlorotetrafluoroethane
Concen: 0.116 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 85 Resp: 1231

Ion	Ratio	Lower	Upper
85	100		
135	59.9	50.2	75.4



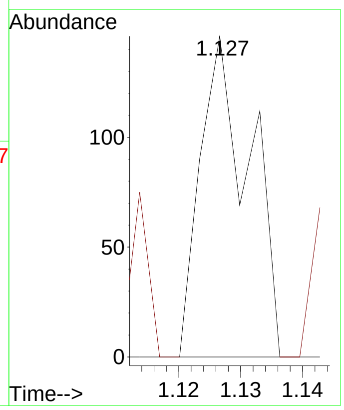


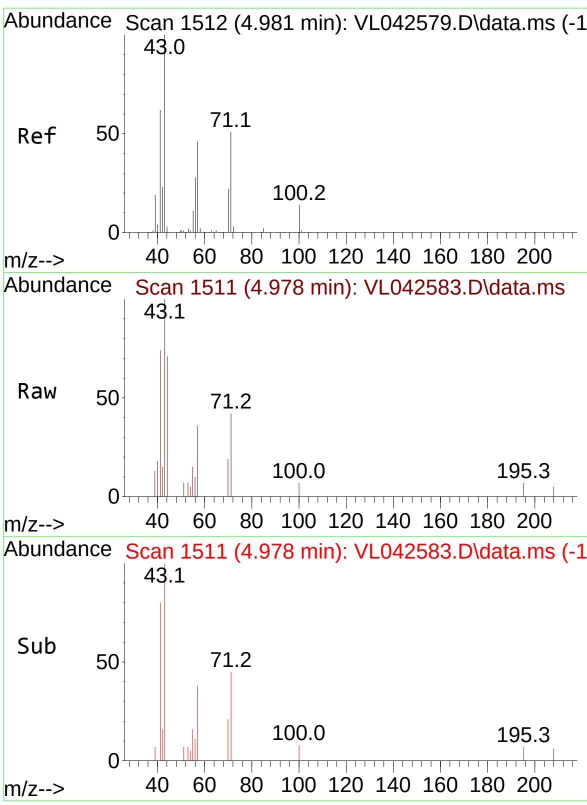
#9
Propene
Concen: 0.011 ppbv
RT: 1.127 min Scan# 3
Delta R.T. -0.356 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 81

Ion	Ratio	Lower	Upper
41	100		
42	55.6	53.3	79.9

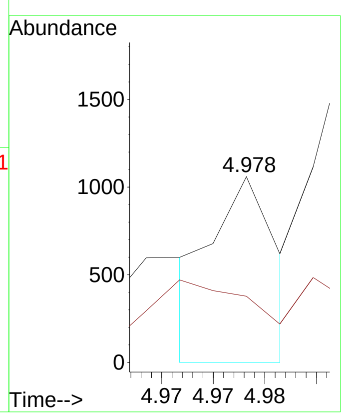


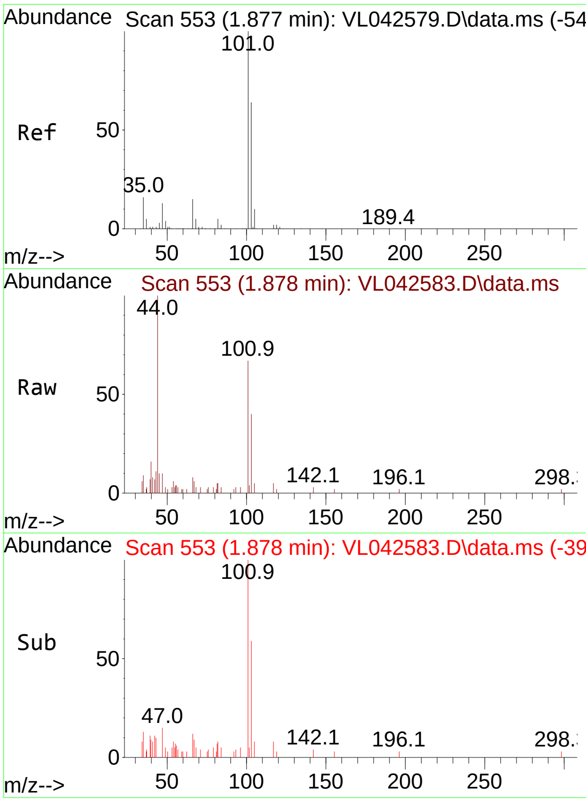


#10
Heptane
Concen: 0.023 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 43 Resp: 458

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#



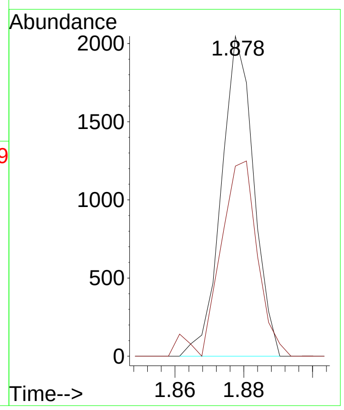


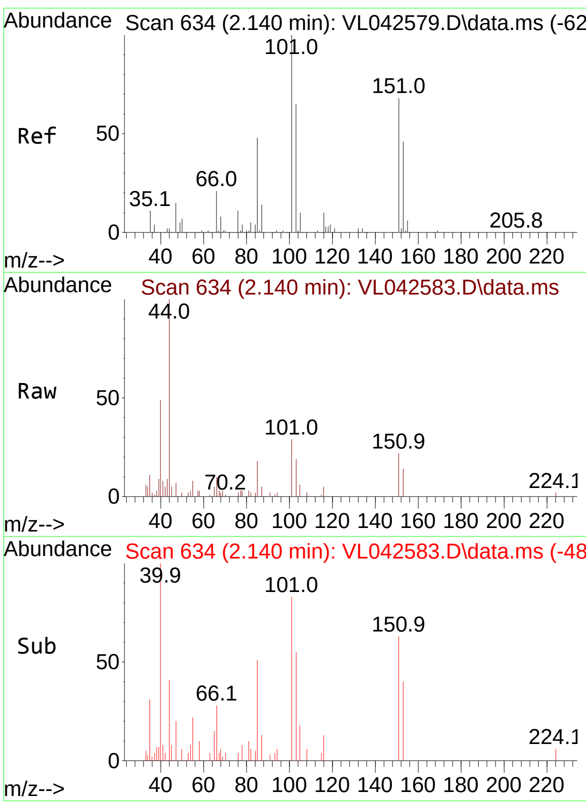
#11
Trichlorofluoromethane
Concen: 0.113 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 1340

Ion	Ratio	Lower	Upper
101	100		
103	52.7	51.5	77.3

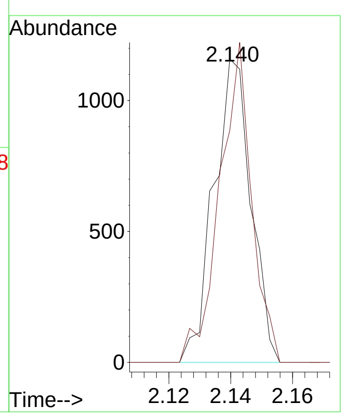


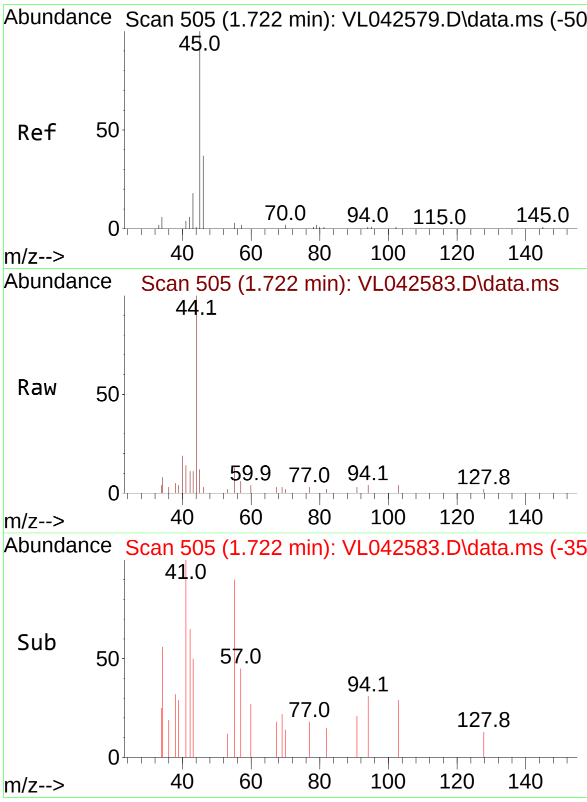


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.104 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:101 Resp: 968

Ion	Ratio	Lower	Upper
101	100		
151	90.6	55.3	82.9#



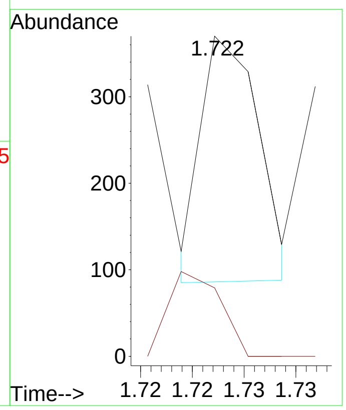


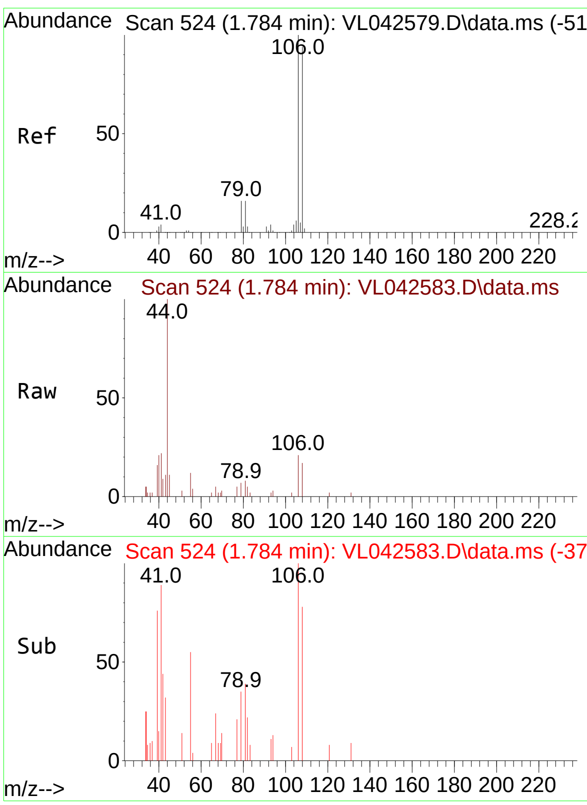
#13
Ethanol
Concen: 0.140 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 110

Ion	Ratio	Lower	Upper
45	100		
46	53.6	14.5	58.1

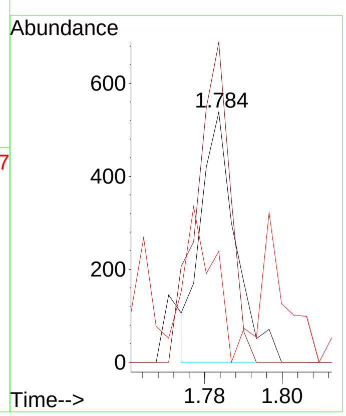




#14
Bromoethene
Concen: 0.096 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:108 Resp: 334

Ion	Ratio	Lower	Upper
108	100		
106	123.1	87.9	131.9
79	98.2	15.6	23.4#

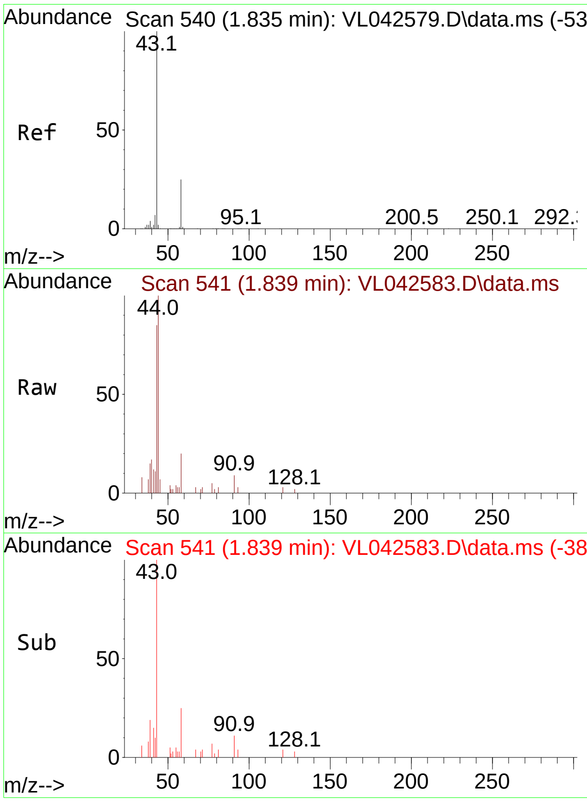


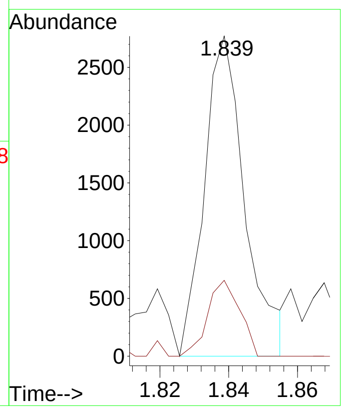
#15
Acetone
Concen: 0.182 ppbv
RT: 1.839 min   Scan# 54
Delta R.T.   0.003 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 2272

Ion	Ratio	Lower	Upper
43	100		
58	18.9	21.0	31.4#

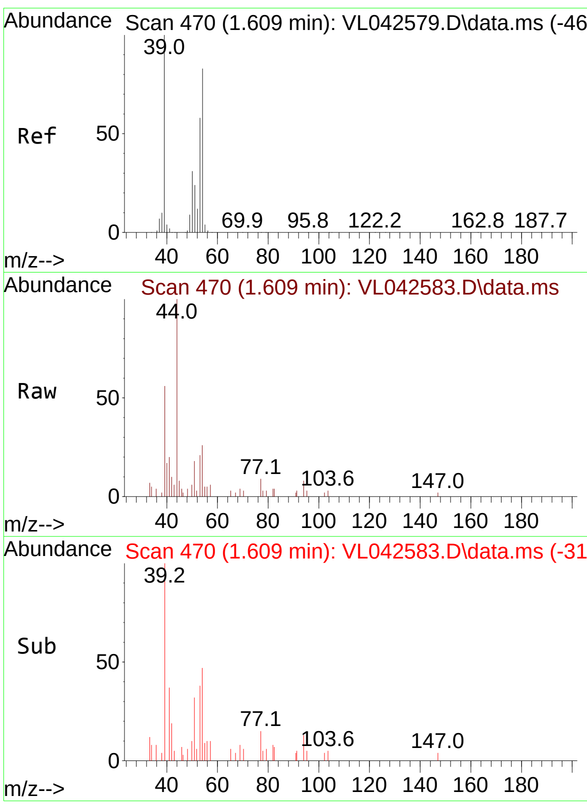


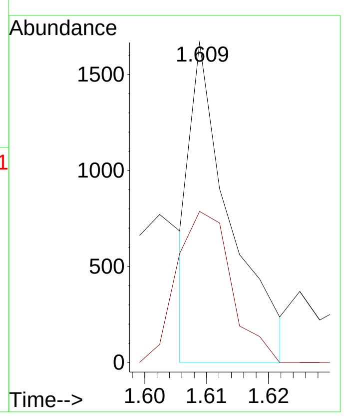


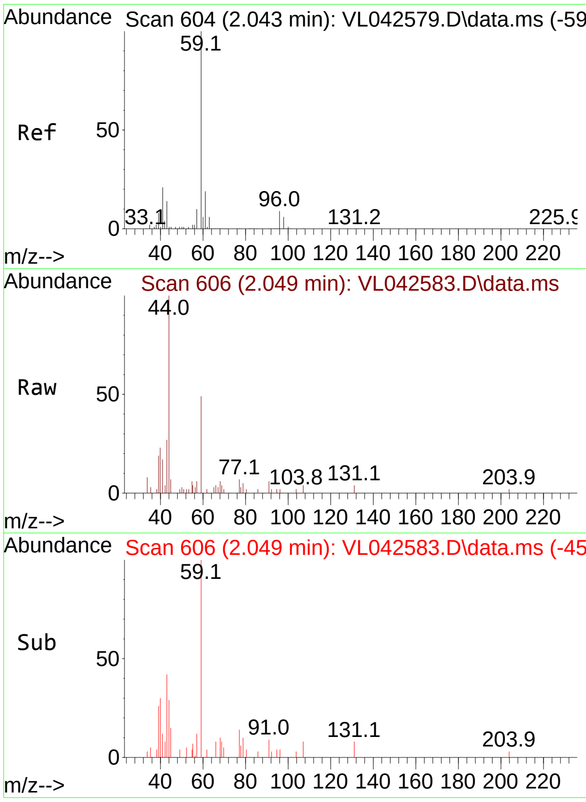
#16
1,3-Butadiene
Concen: 0.125 ppbv
RT: 1.609 min   Scan# 470
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

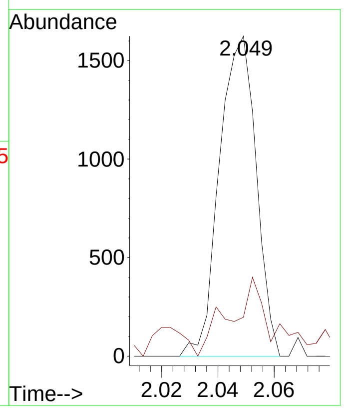
Tgt Ion: 39 Resp: 739

Ion	Ratio	Lower	Upper
39	100		
54	70.4	57.9	86.9







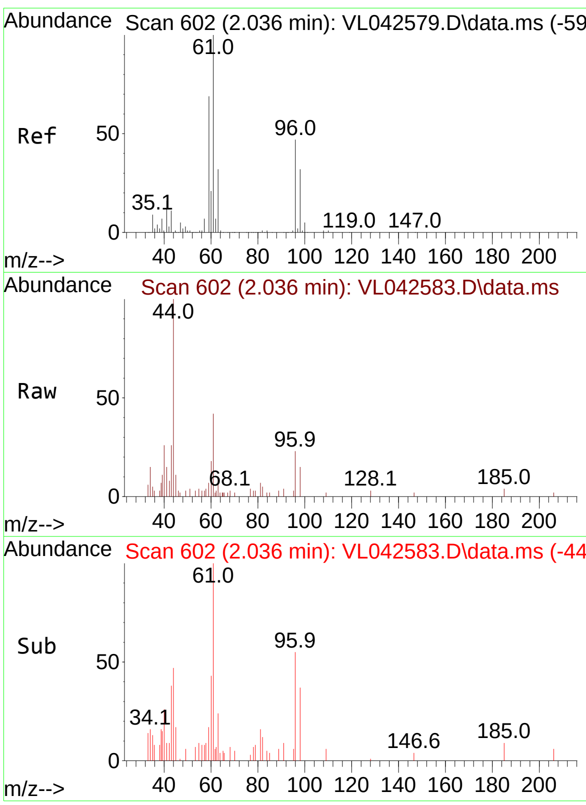


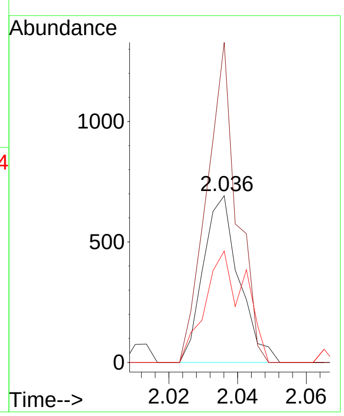
#17
tert-Butyl alcohol
Concen: 0.114 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 59 Resp: 1477

Ion	Ratio	Lower	Upper
59	100		
57	29.5	8.6	12.8#

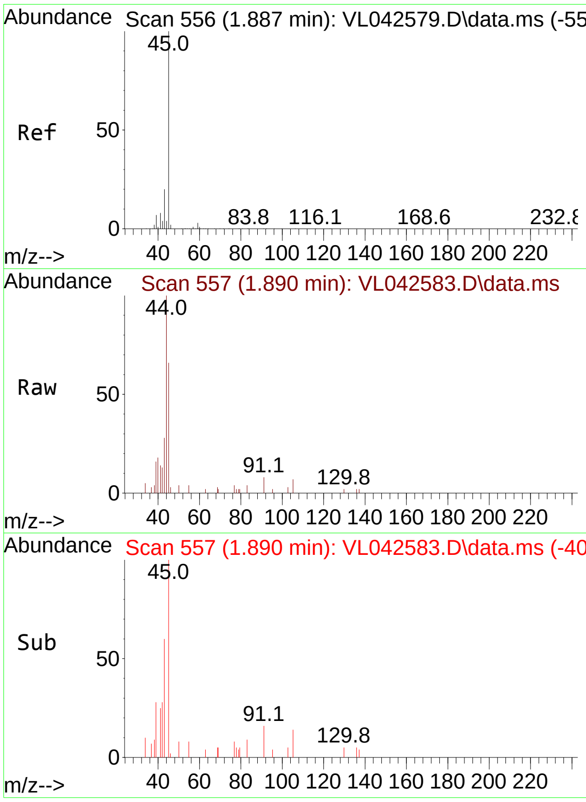




#18
1,1-Dichloroethene
Concen: 0.116 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 96 Resp: 501

Ion	Ratio	Lower	Upper
96	100		
61	191.9	171.1	256.7
98	66.8	54.4	81.6



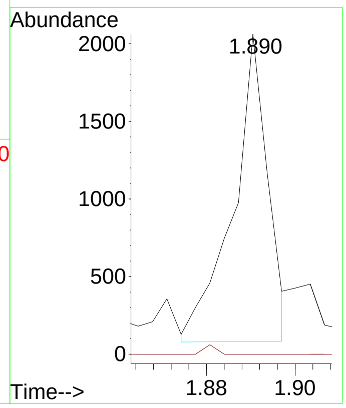
#19
Isopropyl Alcohol
Concen: 0.145 ppbv
RT: 1.890 min Scan# 5

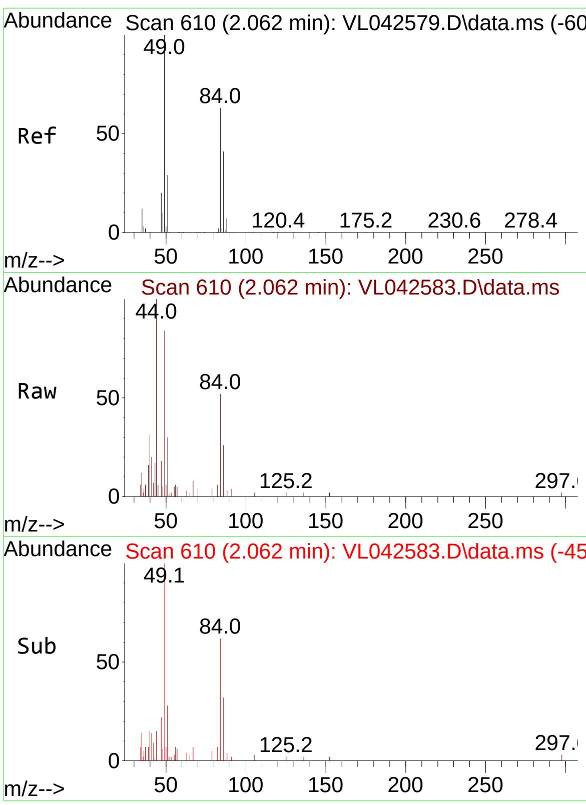
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 45 Resp: 1079

Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.2#

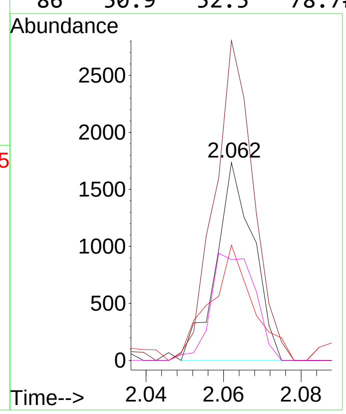


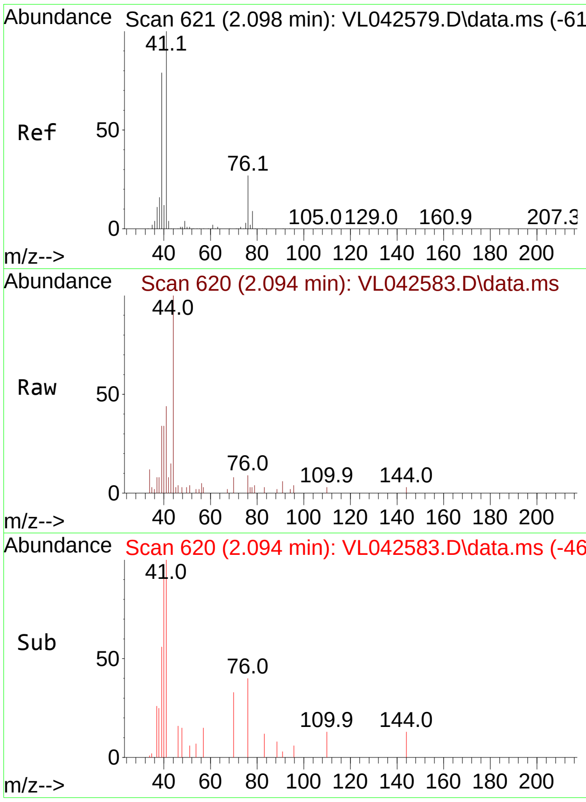


#20
Methylene Chloride
Concen: 0.282 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 84 Resp: 1160

Ion	Ratio	Lower	Upper
84	100		
49	157.5	128.8	193.2
51	54.7	38.6	57.8
86	50.9	52.5	78.7#



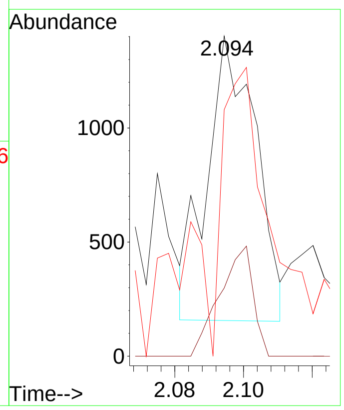


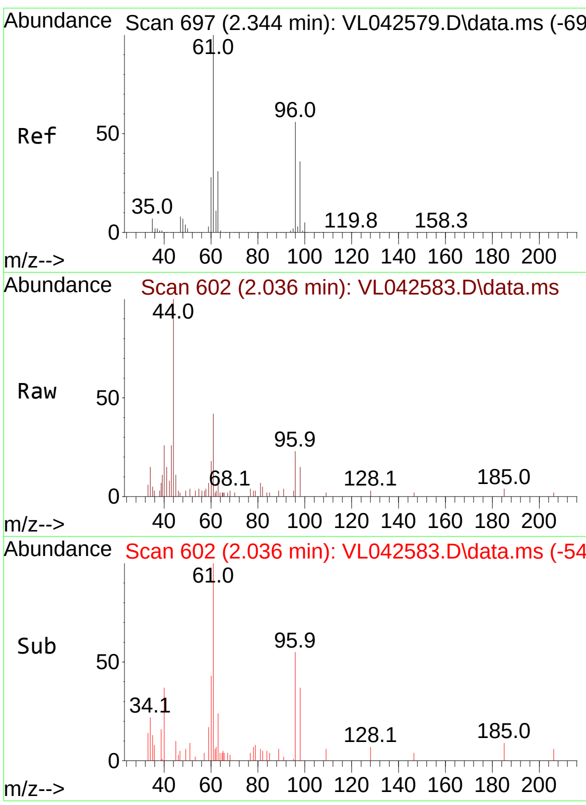
#21
Allyl Chloride
Concen: 0.141 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1240

Ion	Ratio	Lower	Upper
41	100		
76	26.3	21.2	31.8
39	122.2	60.9	91.3#

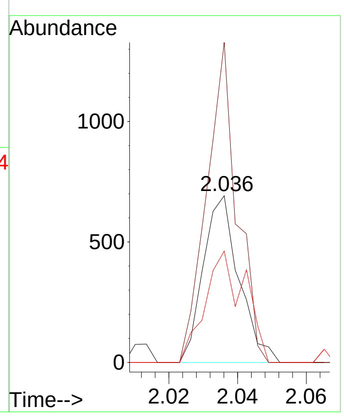


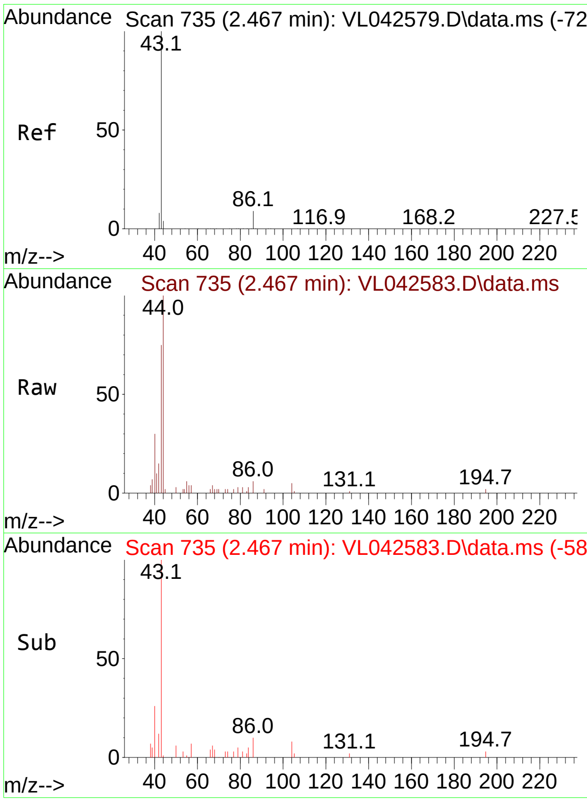


#22
trans-1,2-Dichloroethene
Concen: 0.104 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.307 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 96 Resp: 501

Ion	Ratio	Lower	Upper
96	100		
61	191.9	142.6	214.0
98	66.8	51.0	76.4





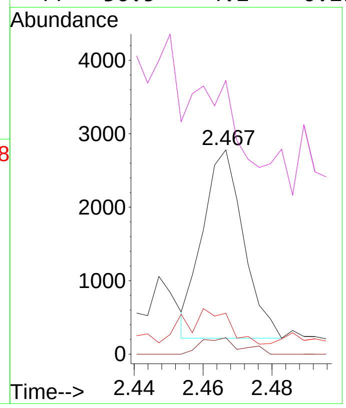
#23
Vinyl Acetate
Concen: 0.125 ppbv
RT: 2.467 min Scan# 7

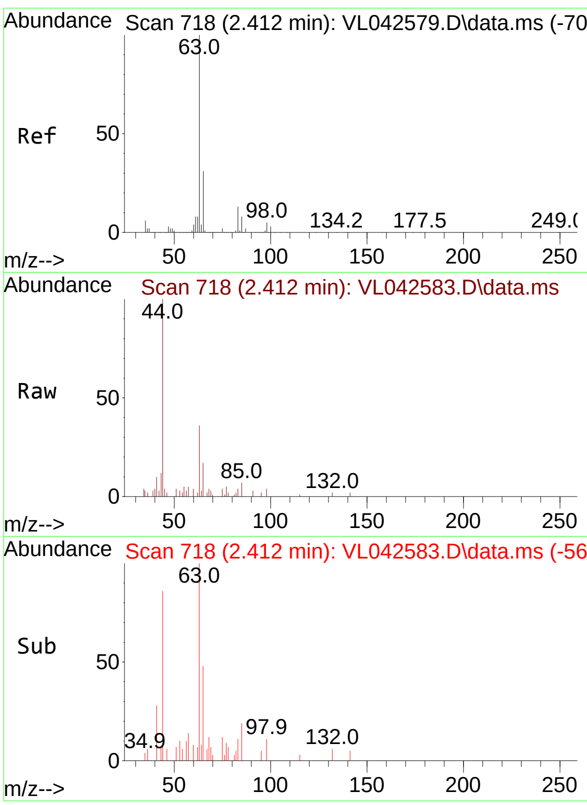
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 43 Resp: 2108

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	13.7	7.0	10.4#
44	36.5	4.2	6.2#

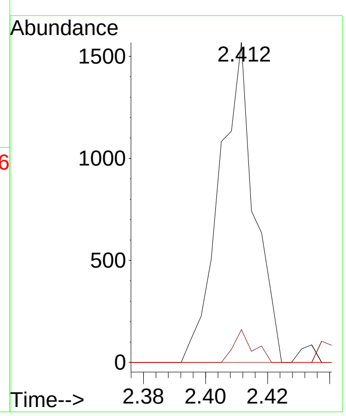


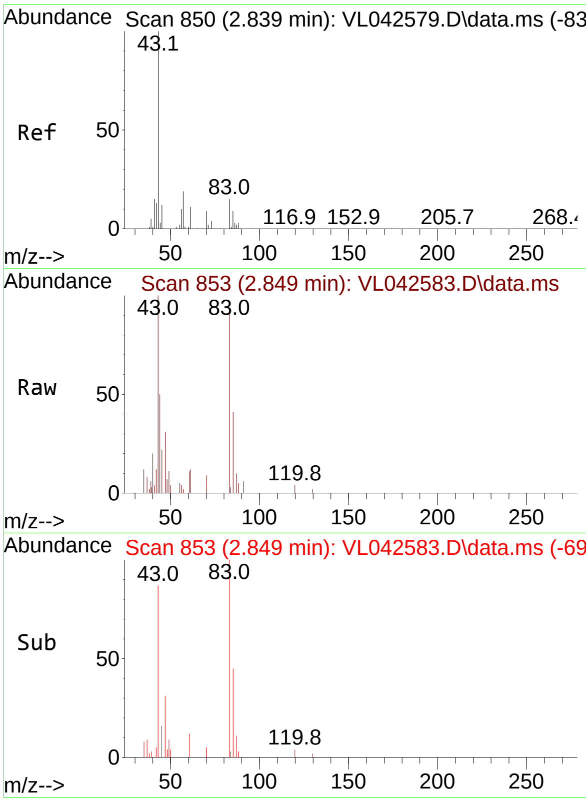


#24
1,1-Dichloroethane
Concen: 0.124 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 63 Resp: 1231

Ion	Ratio	Lower	Upper
63	100		
98	10.3	2.4	7.1#
100	0.0	1.4	4.0#



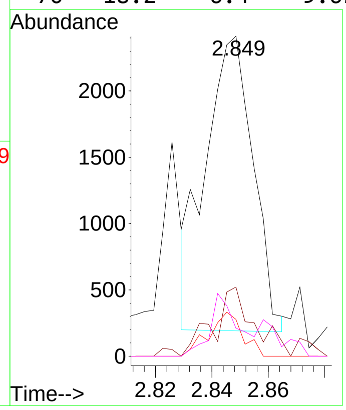


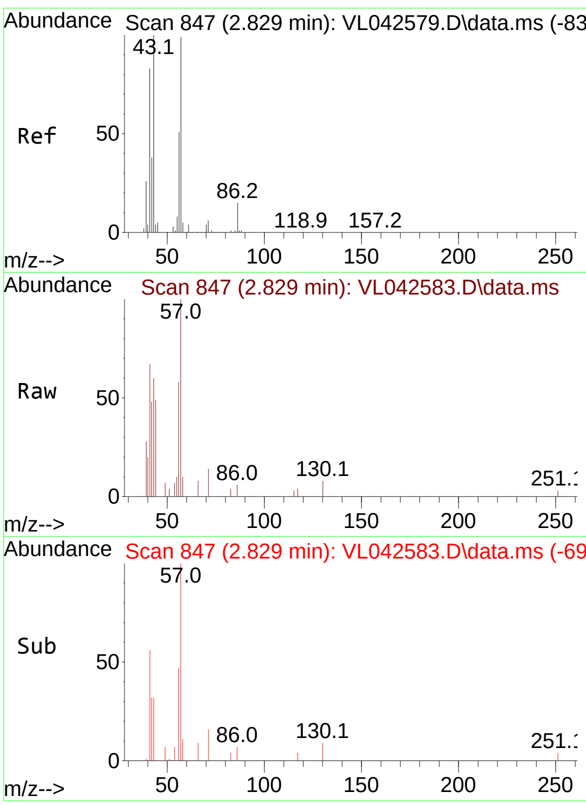
#25
Ethyl Acetate
Concen: 0.077 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 2623

Ion	Ratio	Lower	Upper
43	100		
45	23.4	8.2	12.2#
61	10.4	7.1	10.7
70	18.2	6.4	9.6#

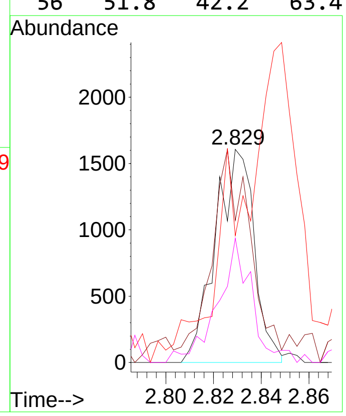


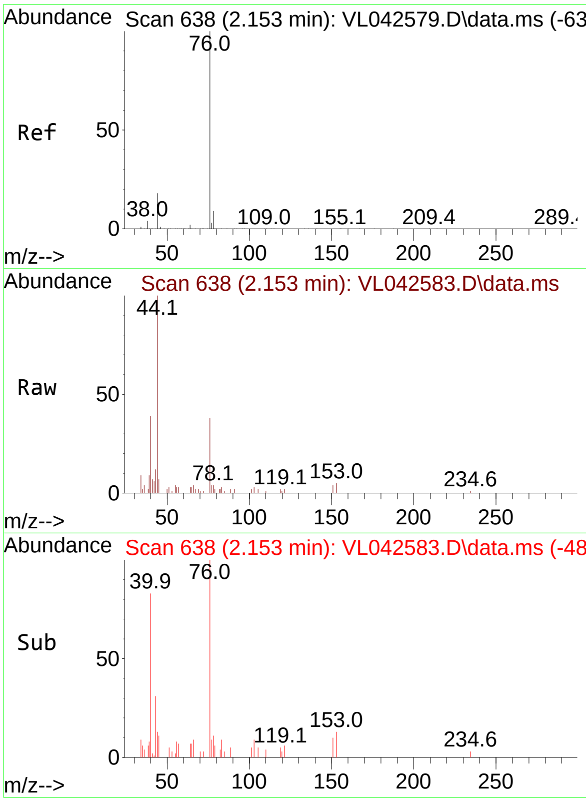


#26
Hexane
Concen: 0.117 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 57 Resp: 1816

Ion	Ratio	Lower	Upper
57	100		
41	115.2	70.6	106.0#
43	0.0	181.1	271.7#
56	51.8	42.2	63.4





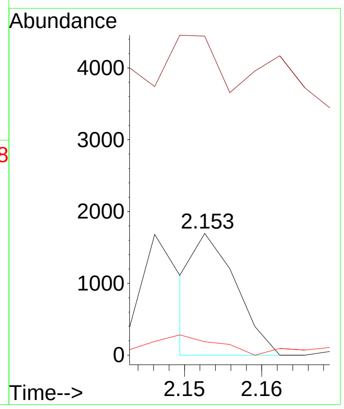
#27
Carbon Disulfide
Concen: 0.054 ppbv
RT: 2.153 min Scan# 6

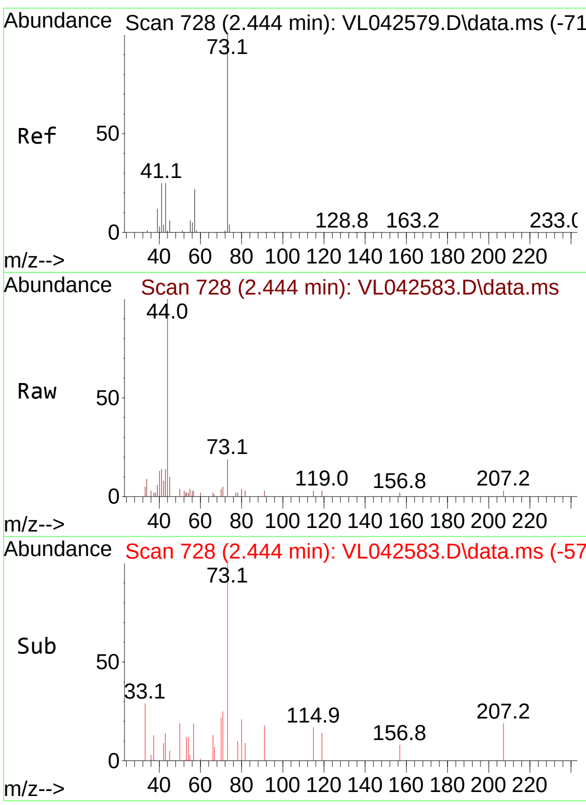
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 76 Resp: 641

Ion	Ratio	Lower	Upper
76	100		
44	623.6	21.3	31.9#
78	55.7	9.4	14.0#

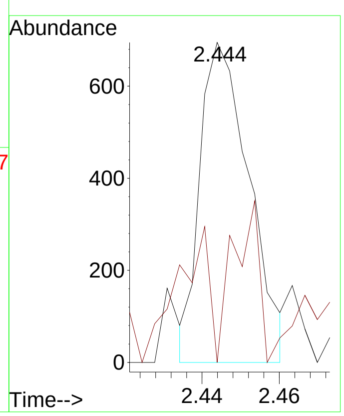


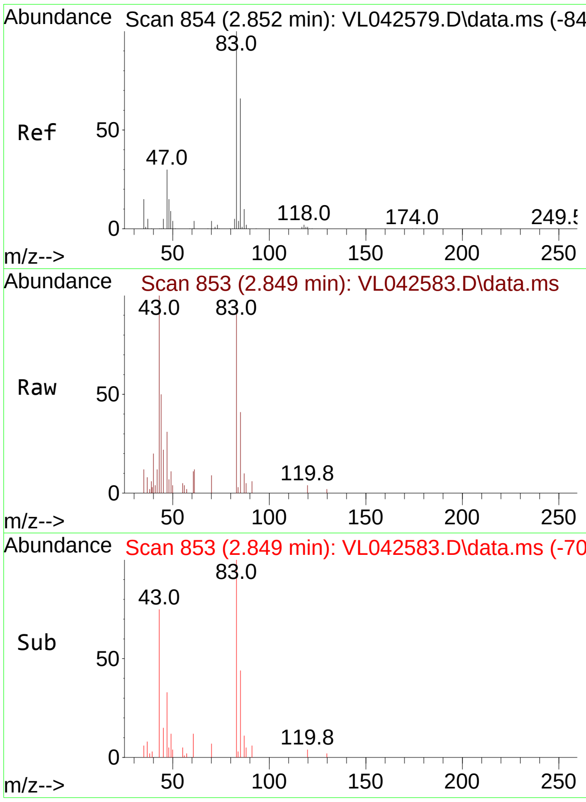


#28
Methyl tert-Butyl Ether
Concen: 0.098 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 73 Resp: 614

Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.9	29.9#



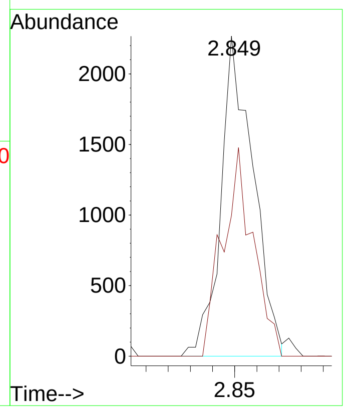


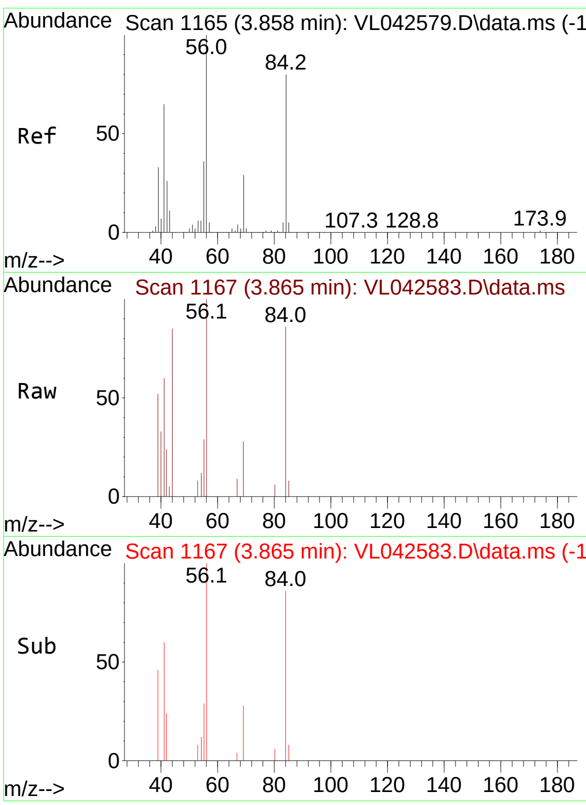
#29
Chloroform
Concen: 0.114 ppbv
RT: 2.849 min   Scan# 8
Delta R.T.   -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 2298

Ion	Ratio	Lower	Upper
83	100		
85	43.9	52.8	79.2#

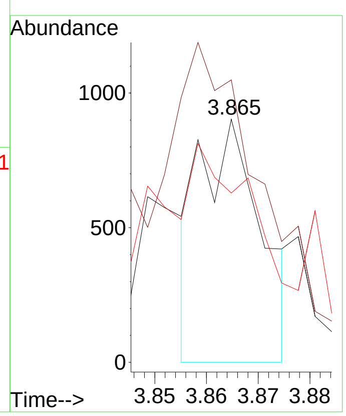


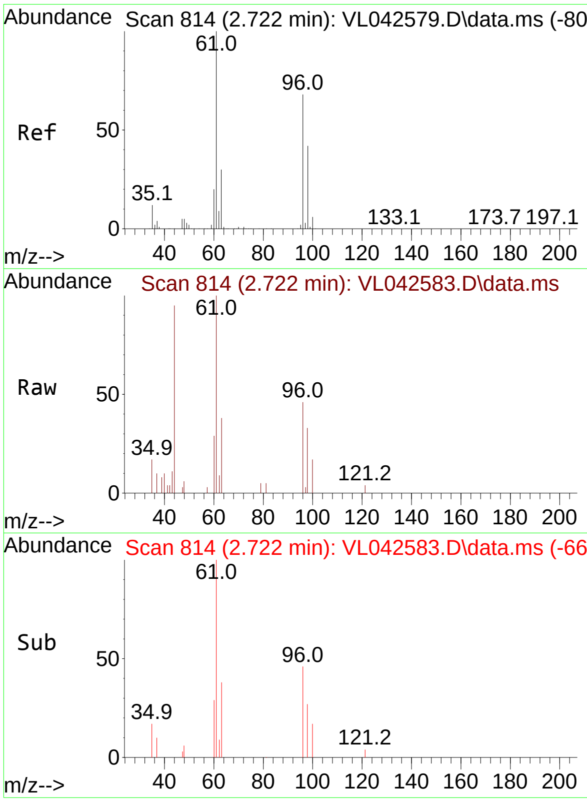


#30
Cyclohexane
Concen: 0.058 ppbv
RT: 3.865 min   Scan# 1167
Delta R.T.   0.006 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Tgt Ion: 84 Resp: 743

Ion	Ratio	Lower	Upper
84	100		
56	253.6	103.7	155.5#
41	265.9	65.1	97.7#



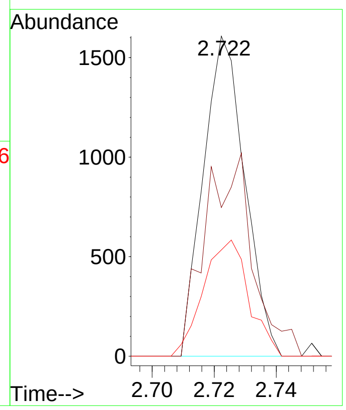


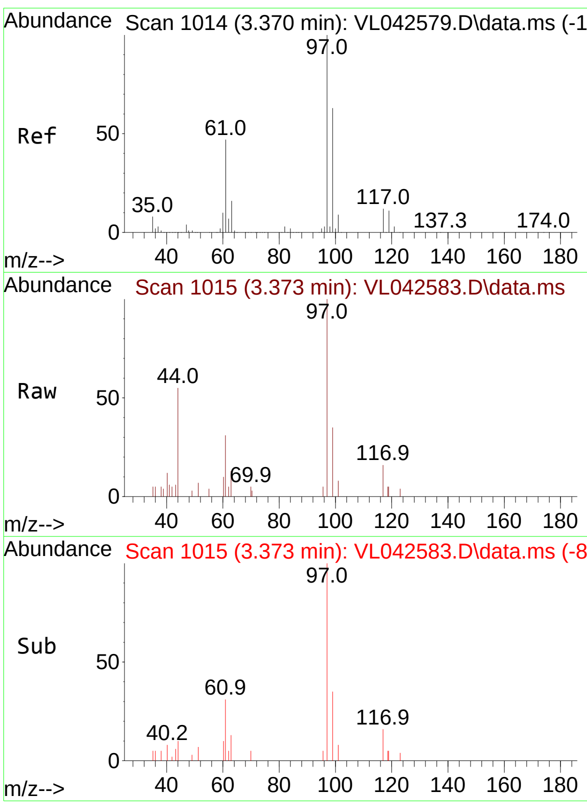
#31
cis-1,2-Dichloroethene
Concen: 0.106 ppbv
RT: 2.722 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 1499

Ion	Ratio	Lower	Upper
61	100		
96	46.5	54.5	81.7#
98	33.2	33.4	50.2#

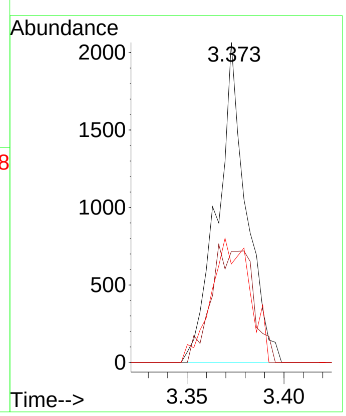


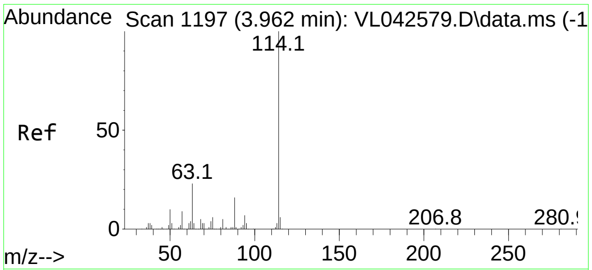


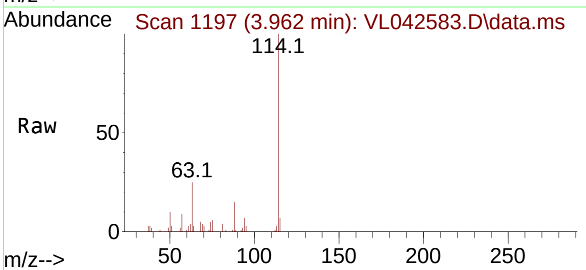
#32
1,1,1-Trichloroethane
Concen: 0.107 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

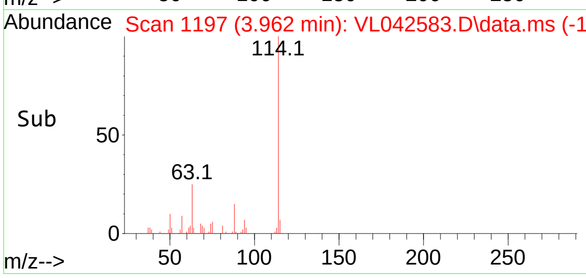
Tgt Ion: 97 Resp: 2153

Ion	Ratio	Lower	Upper
97	100		
99	52.2	51.0	76.6
61	51.3	39.4	59.0







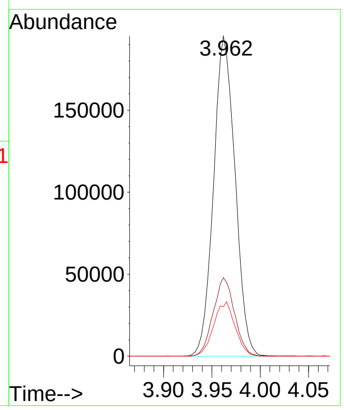


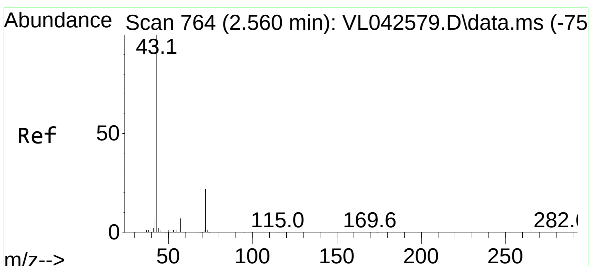
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

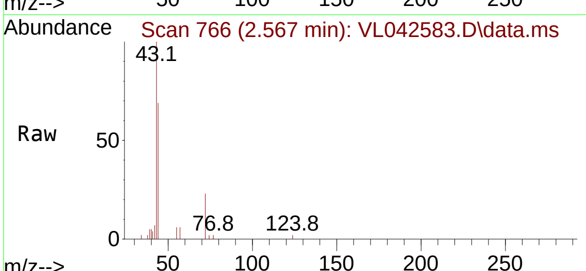
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

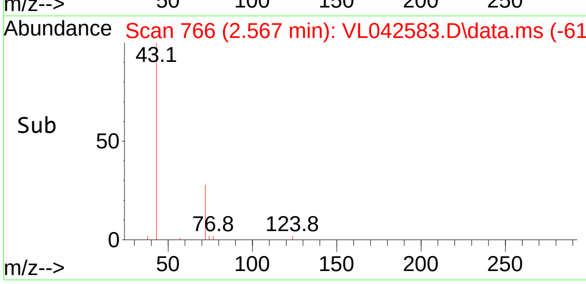
Tgt Ion:114 Resp: 302218

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.0	28.6
88	17.0	13.6	20.4





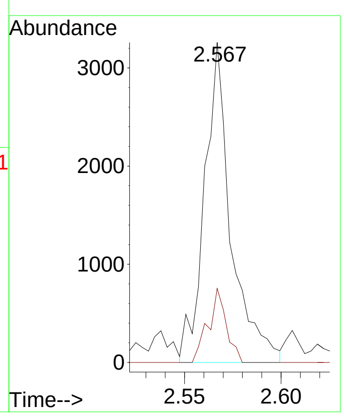


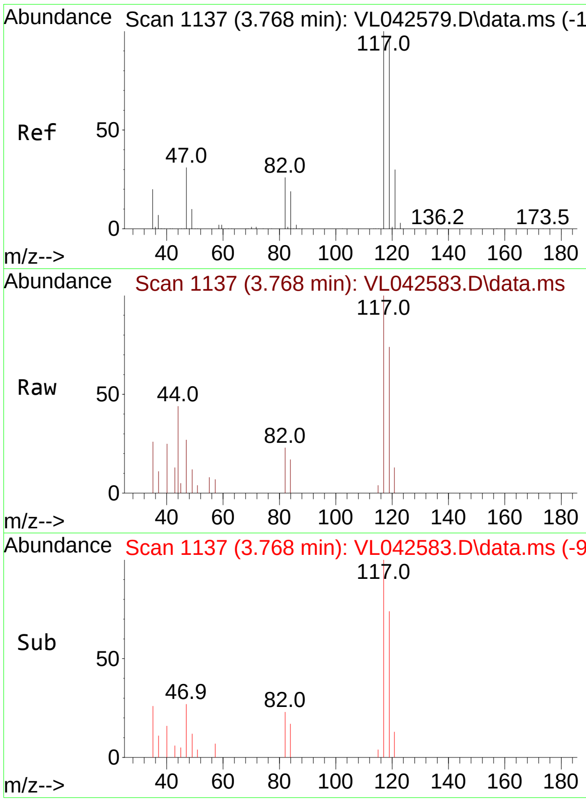


#34
2-Butanone
Concen: 0.144 ppbv
RT: 2.567 min   Scan# 766
Delta R.T.   0.006 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Tgt Ion: 43 Resp: 3113

Ion	Ratio	Lower	Upper
43	100		
72	15.9	17.7	26.5#



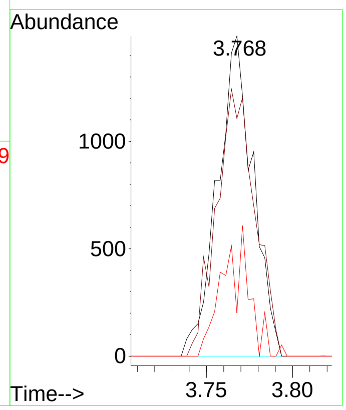


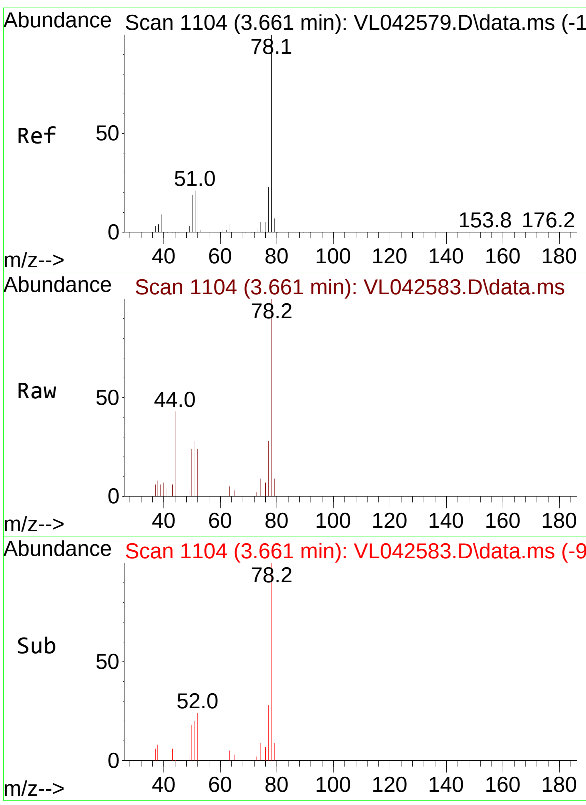
#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.768 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 2135

Ion	Ratio	Lower	Upper
117	100		
119	74.3	76.8	115.2#
121	13.5	24.3	36.5#

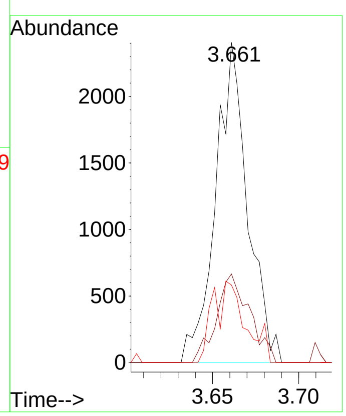


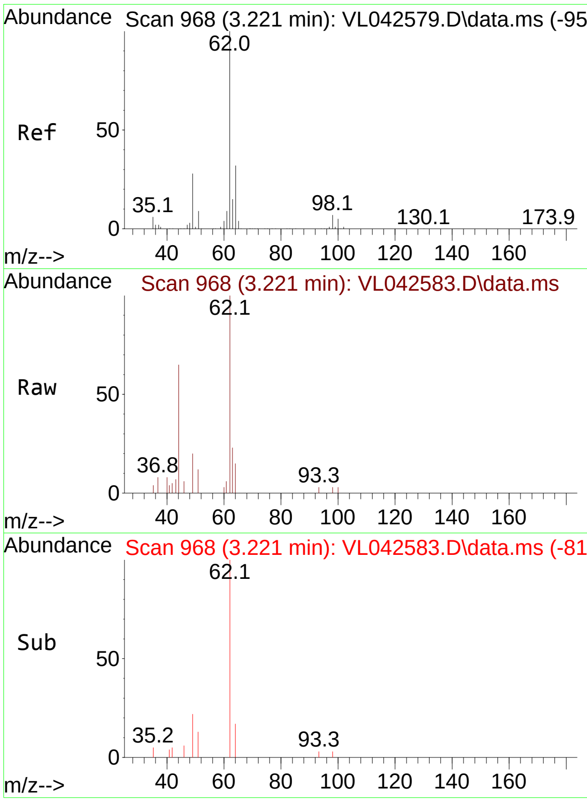


#36
Benzene
Concen: 0.104 ppbv
RT: 3.661 min   Scan# 1104
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Tgt Ion: 78 Resp: 3109

Ion	Ratio	Lower	Upper
78	100		
77	27.6	18.2	27.2#
50	24.2	15.2	22.8#



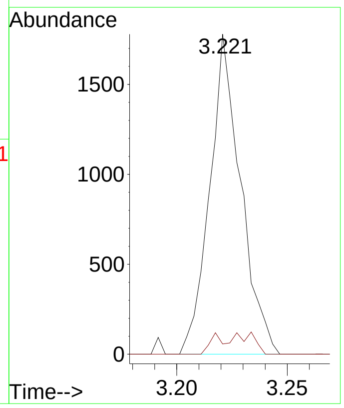


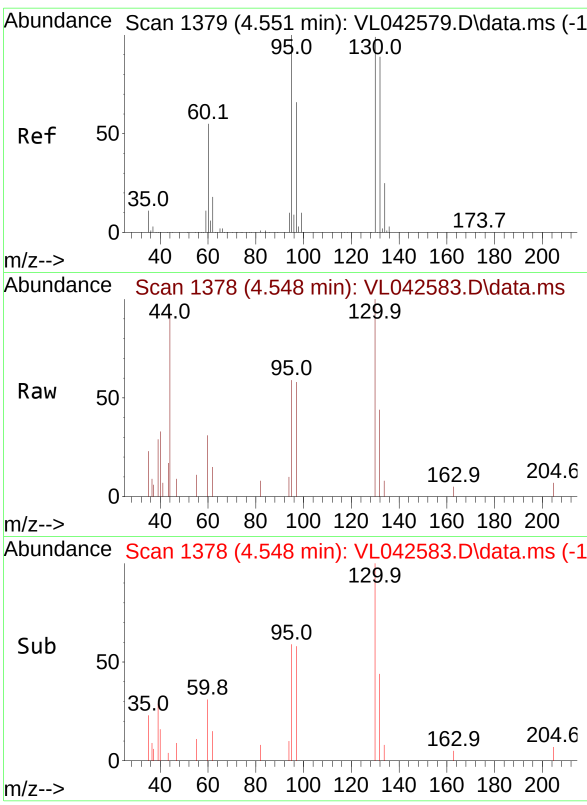
#37
1,2-Dichloroethane
Concen: 0.117 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1731

Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.1	9.1

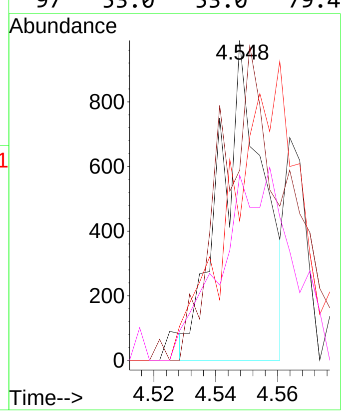


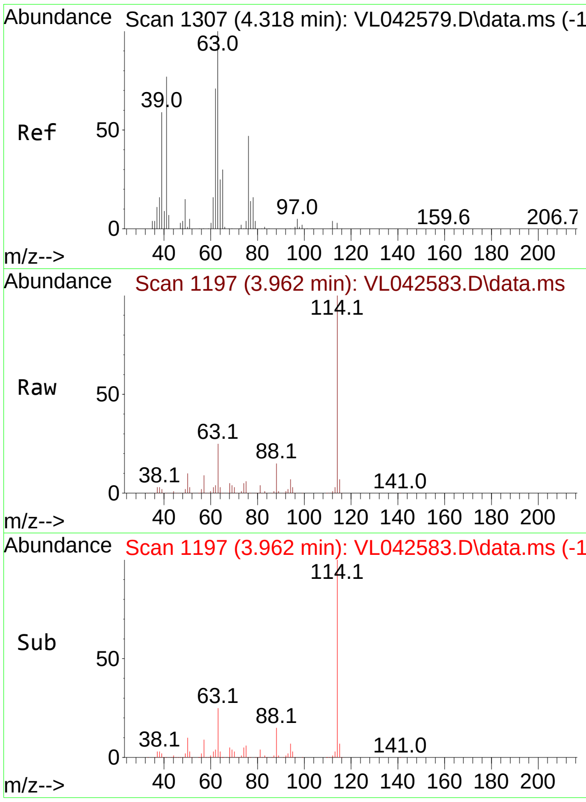


#38
Trichloroethene
Concen: 0.076 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:130 Resp: 963

Ion	Ratio	Lower	Upper
130	100		
95	64.9	80.6	121.0#
132	35.8	71.8	107.6#
97	53.0	53.0	79.4



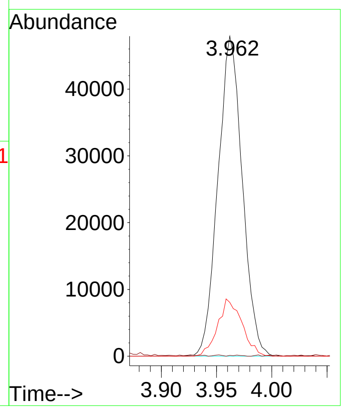


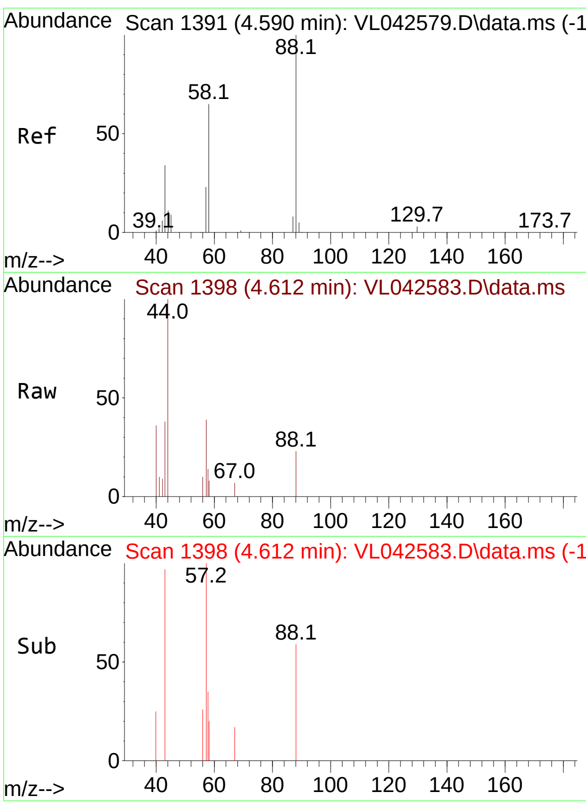
#39
1,2-Dichloropropane
Concen: 6.683 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.356 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 73521

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.8	92.6#
62	16.8	56.6	85.0#

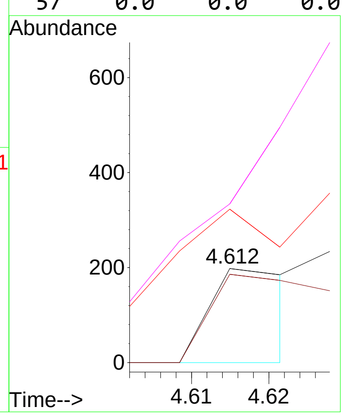


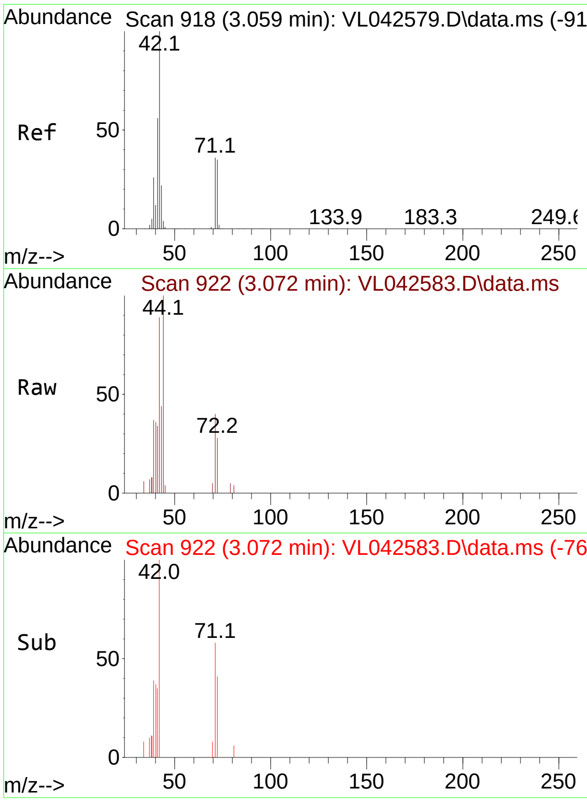


#40
1,4-Dioxane
Concen: 0.016 ppbv
RT: 4.612 min Scan# 1398
Delta R.T. 0.023 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 88 Resp: 74

Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8#
43	500.0	24.8	37.2#
57	0.0	0.0	0.0



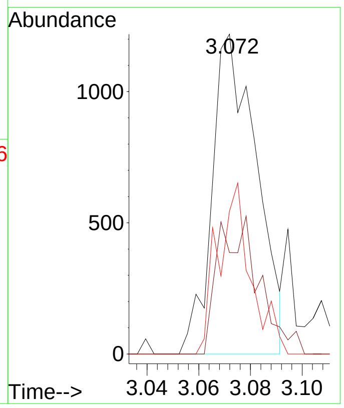


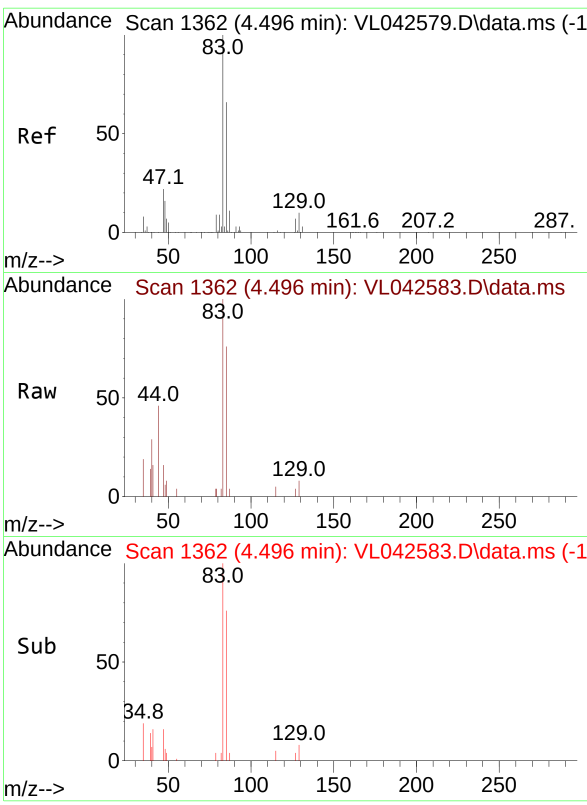
#41
Tetrahydrofuran
Concen: 0.115 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 42 Resp: 1452

Ion	Ratio	Lower	Upper
42	100		
72	39.5	28.9	43.3
71	39.7	28.5	42.7

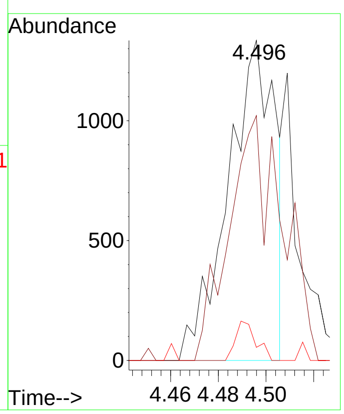


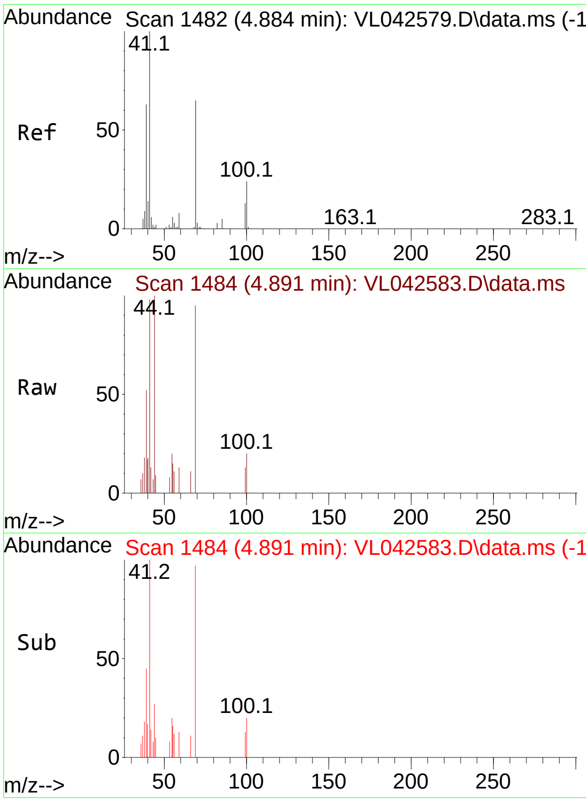


#42
Bromodichloromethane
Concen: 0.087 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 83 Resp: 1835

Ion	Ratio	Lower	Upper
83	100		
85	76.5	52.7	79.1
127	4.1	5.8	8.6#



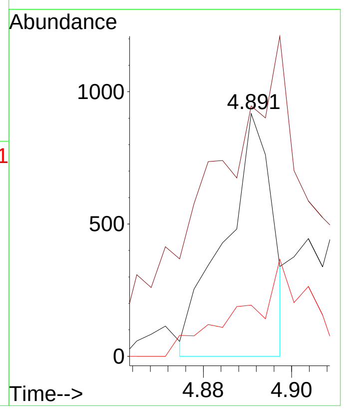


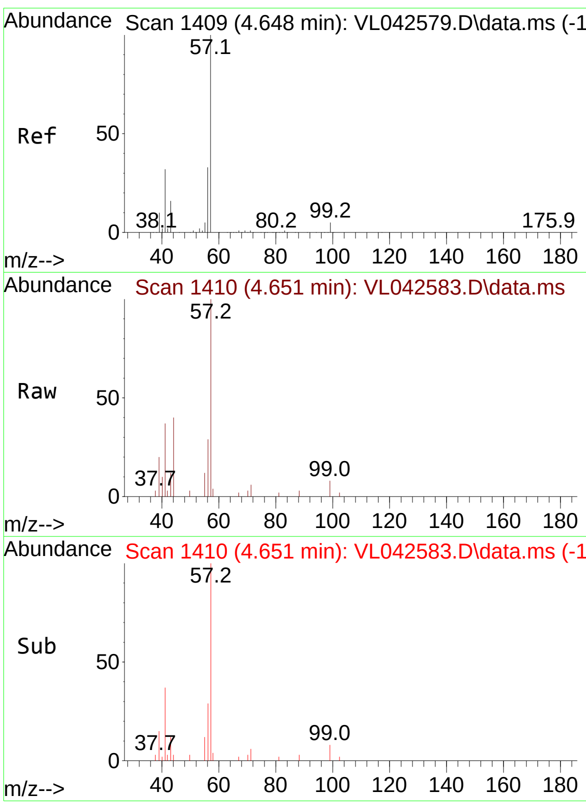
#43
Methyl Methacrylate
Concen: 0.059 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 685

Ion	Ratio	Lower	Upper
69	100		
41	0.0	124.6	187.0#
100	0.0	29.9	44.9#

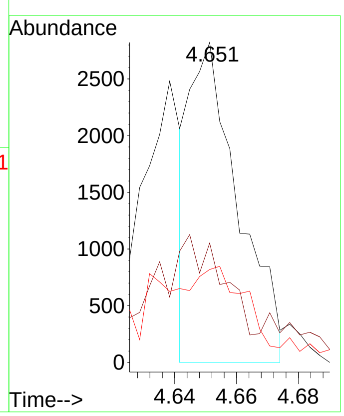


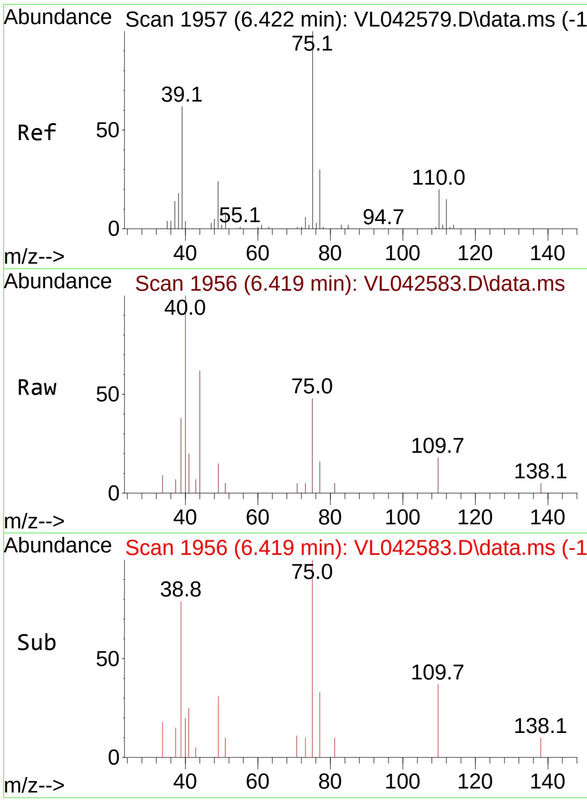


#44
2,2,4-Trimethylpentane
Concen: 0.061 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 57 Resp: 3117

Ion	Ratio	Lower	Upper
57	100		
41	85.0	26.1	39.1#
56	65.4	25.9	38.9#



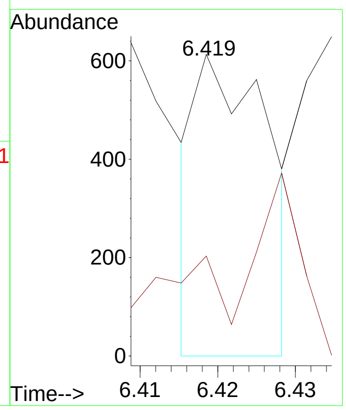


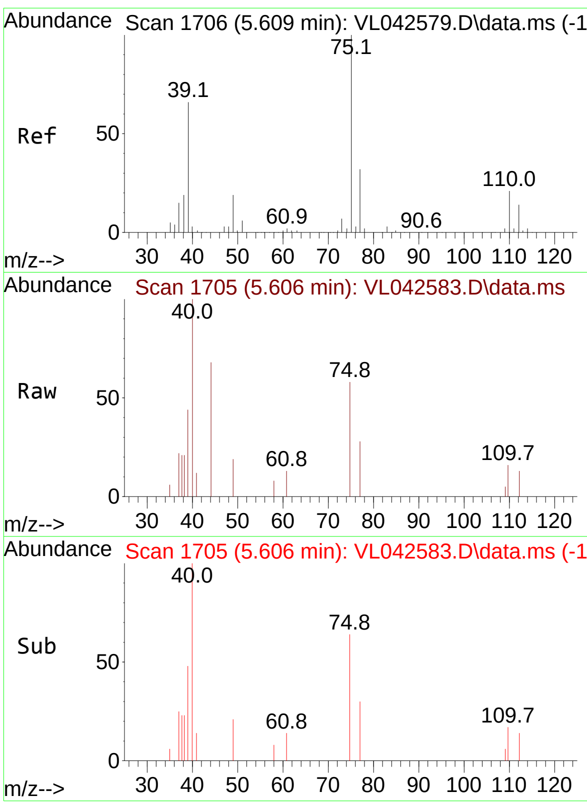
#45
t-1,3-Dichloropropene
Concen: 0.030 ppbv
RT: 6.419 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 397

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2

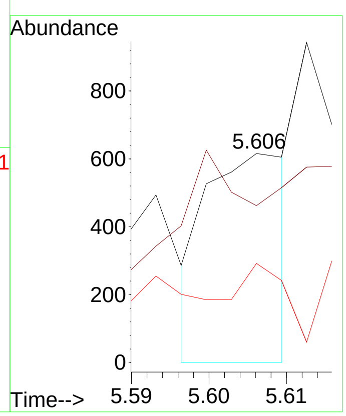


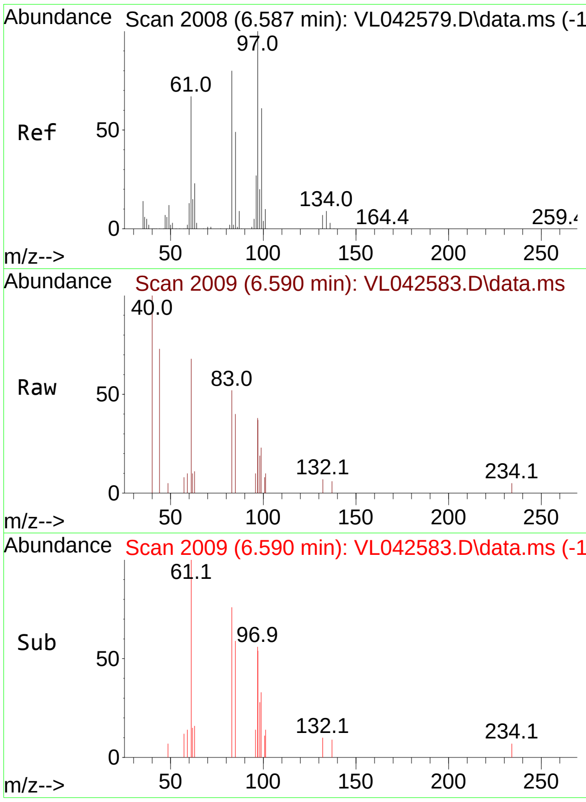


#46
cis-1,3-Dichloropropene
Concen: 0.027 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 75 Resp: 449

Ion	Ratio	Lower	Upper
75	100		
39	17.9	52.7	79.1#
77	27.6	25.8	38.8



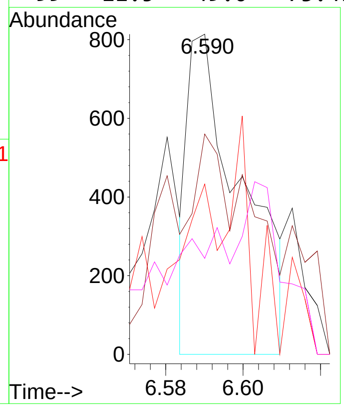


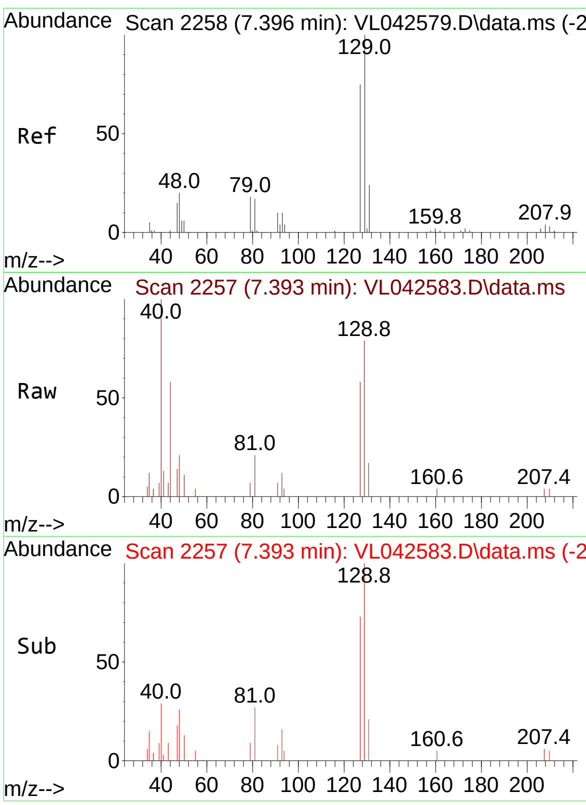
#47
1,1,2-Trichloroethane
Concen: 0.069 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 786

Ion	Ratio	Lower	Upper
97	100		
83	68.9	63.9	95.9
85	83.1	39.2	58.8#
99	11.5	49.0	73.4#

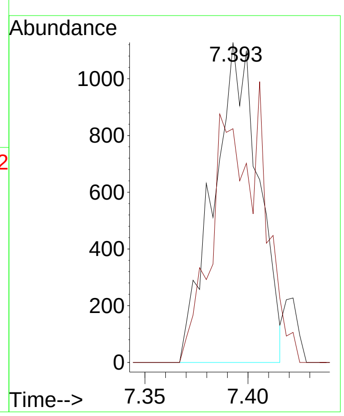


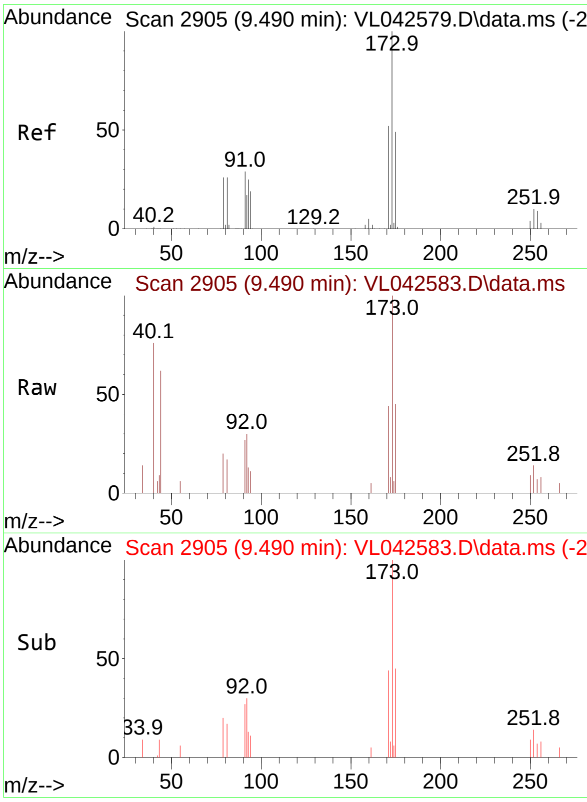


#48
Dibromochloromethane
Concen: 0.094 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:129 Resp: 1718

Ion	Ratio	Lower	Upper
129	100		
127	89.2	39.0	116.9



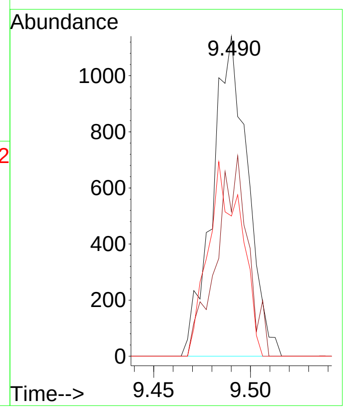


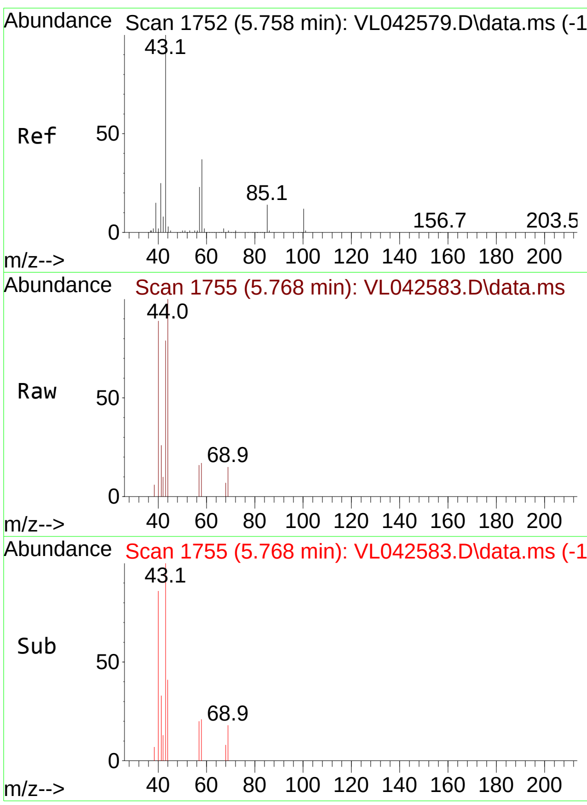
#49
Bromoform
Concen: 0.092 ppbv
RT: 9.490 min   Scan# 2905
Delta R.T.   0.000 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1444

Ion	Ratio	Lower	Upper
173	100		
175	55.7	38.7	58.1
171	56.9	41.2	61.8

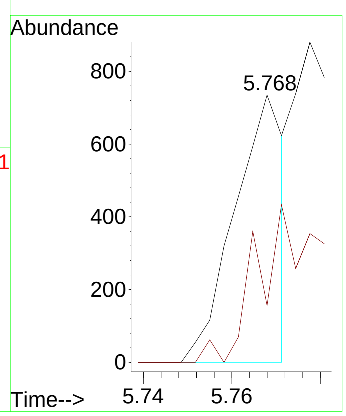


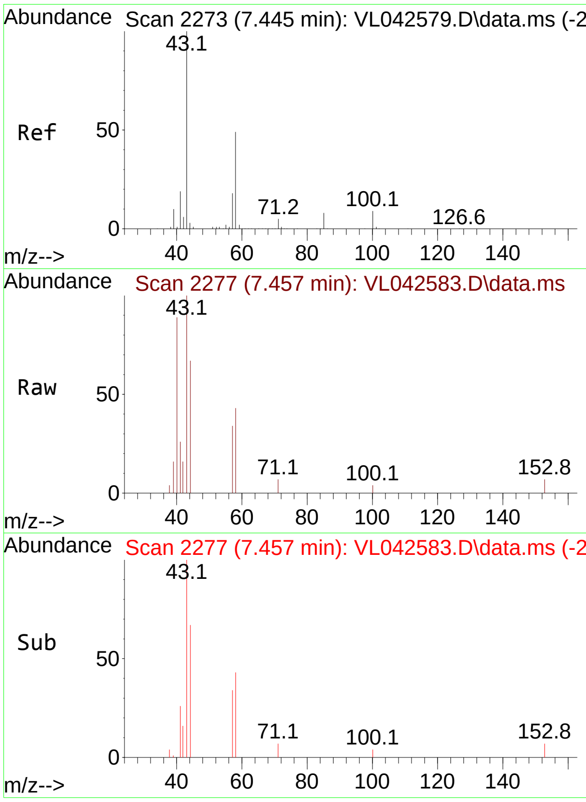


#50
4-Methyl-2-Pentanone
Concen: 0.019 ppbv
RT: 5.768 min   Scan# 1755
Delta R.T.   0.010 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Tgt Ion: 43 Resp: 563

Ion	Ratio	Lower	Upper
43	100		
58	74.4	28.3	42.5#





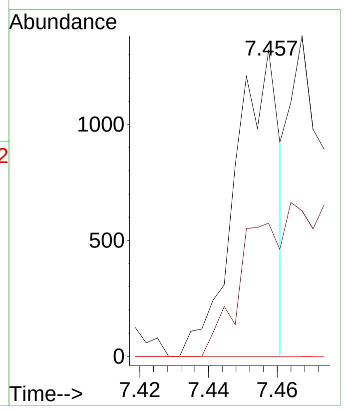
#51
2-Hexanone
Concen: 0.049 ppbv
RT: 7.457 min Scan# 2

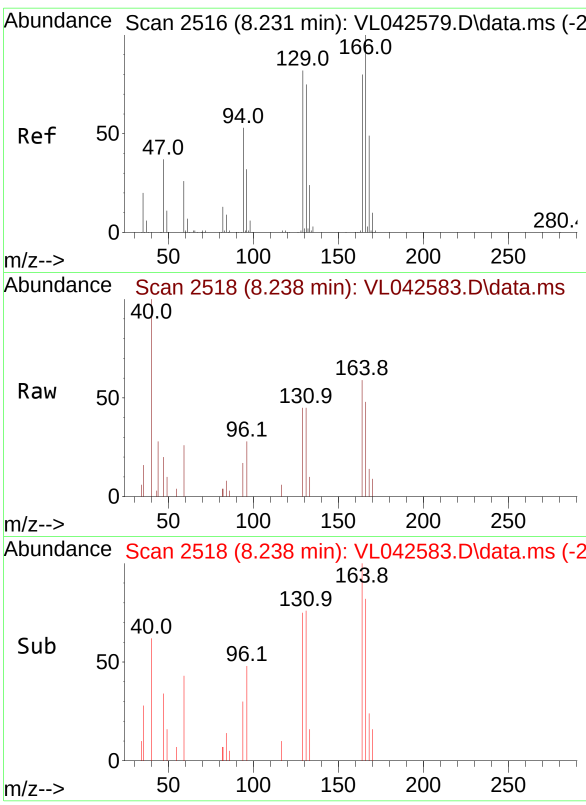
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. 0.013 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 43 Resp: 1172

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.9	59.9#
98	0.0	0.1	0.1#

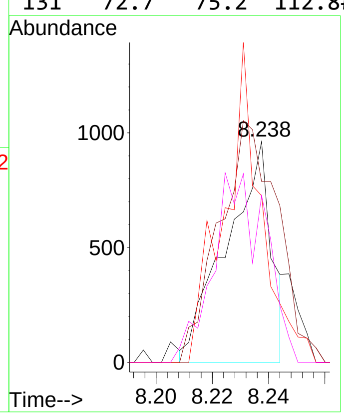


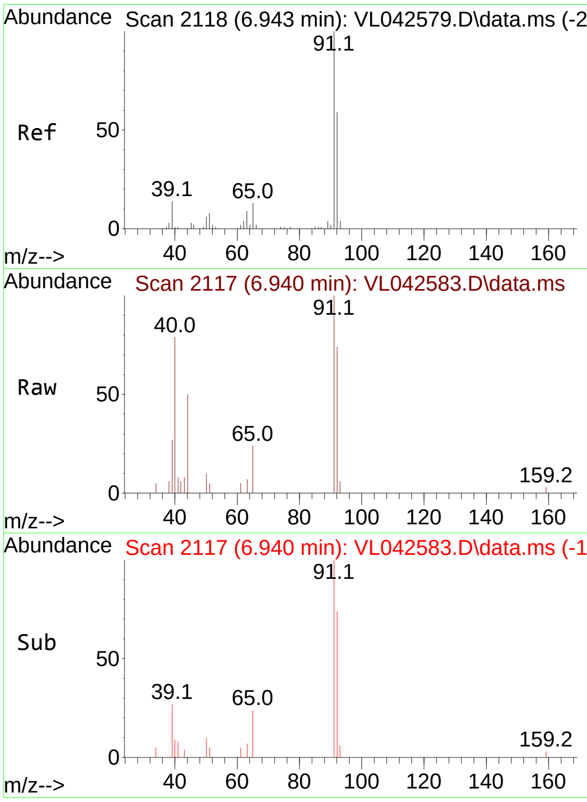


#52
Tetrachloroethene
Concen: 0.095 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:164 Resp: 1060

Ion	Ratio	Lower	Upper
164	100		
166	86.6	100.0	150.0#
129	79.8	82.2	123.4#
131	72.7	75.2	112.8#



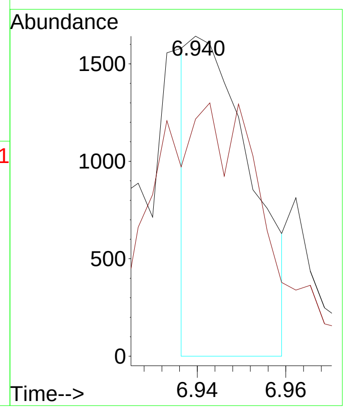


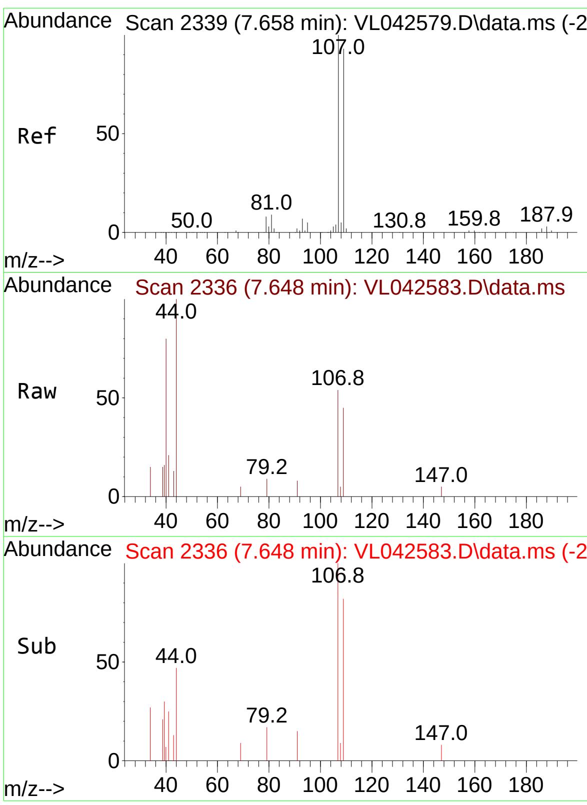
#53
Toluene
Concen: 0.046 ppbv
RT: 6.940 min Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 1577

Ion	Ratio	Lower	Upper
91	100		
92	157.8	48.2	72.4#

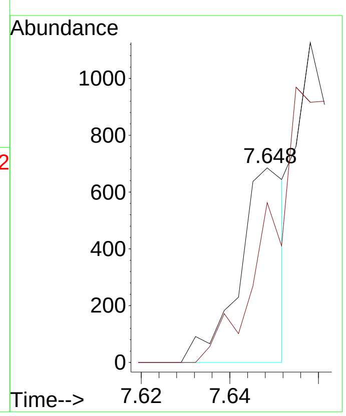


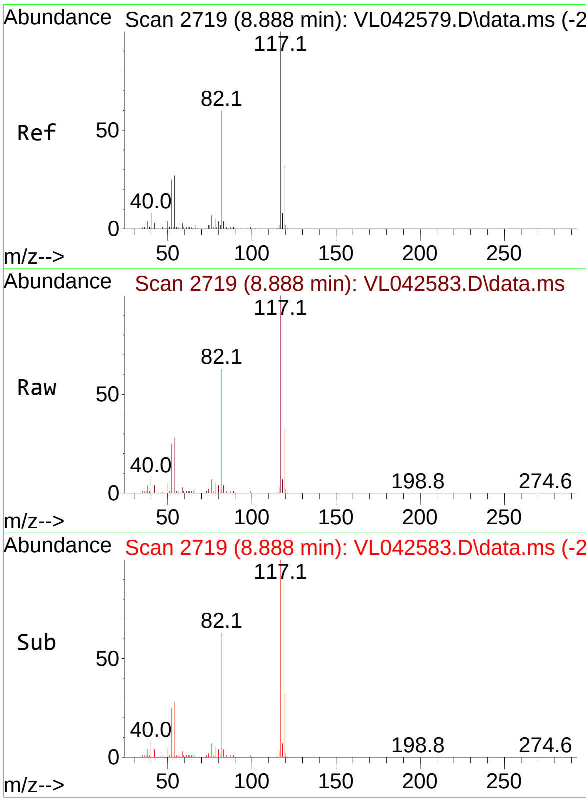


#54
1,2-Dibromoethane
Concen: 0.029 ppbv
RT: 7.648 min Scan# 2336
Delta R.T.   -0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:107 Resp: 492

Ion	Ratio	Lower	Upper
107	100		
109	82.2	74.3	111.5



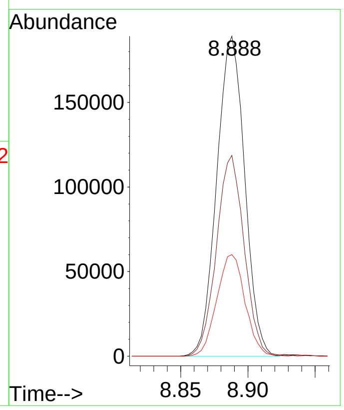


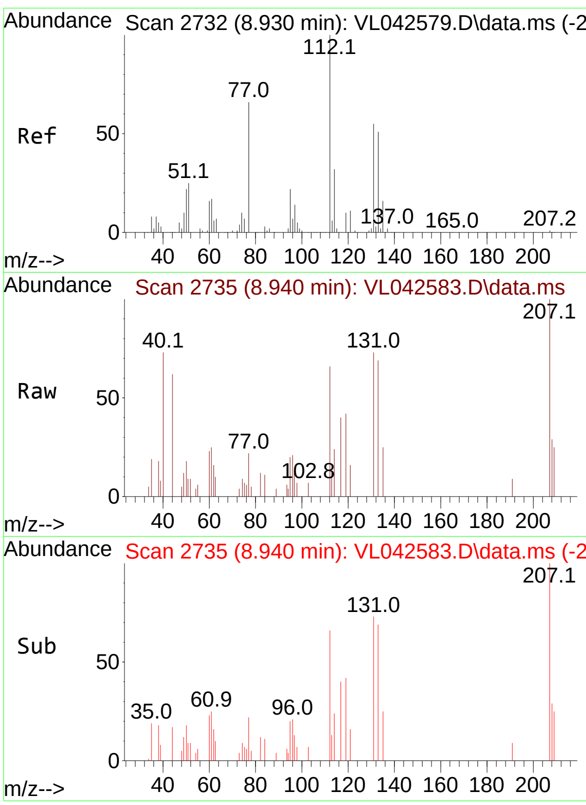
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 273881

Ion	Ratio	Lower	Upper
117	100		
82	62.1	51.2	76.8
119	32.3	26.3	39.5

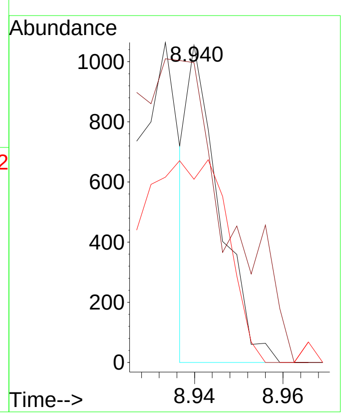


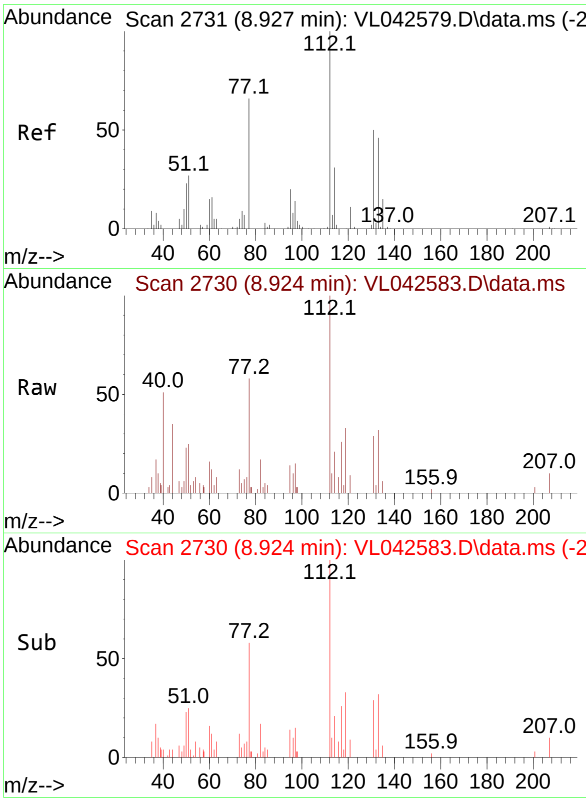


#56
1,1,1,2-Tetrachloroethane
Concen: 0.038 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:131 Resp: 527

Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.0	112.6#
119	0.0	50.8	76.2#





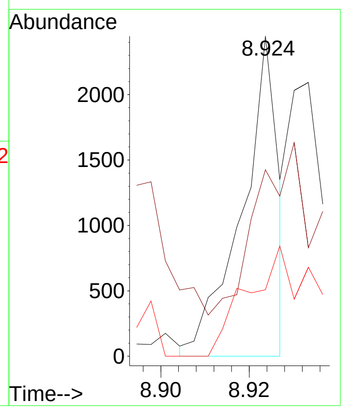
#57
Chlorobenzene
Concen: 0.053 ppbv
RT: 8.924 min Scan# 2

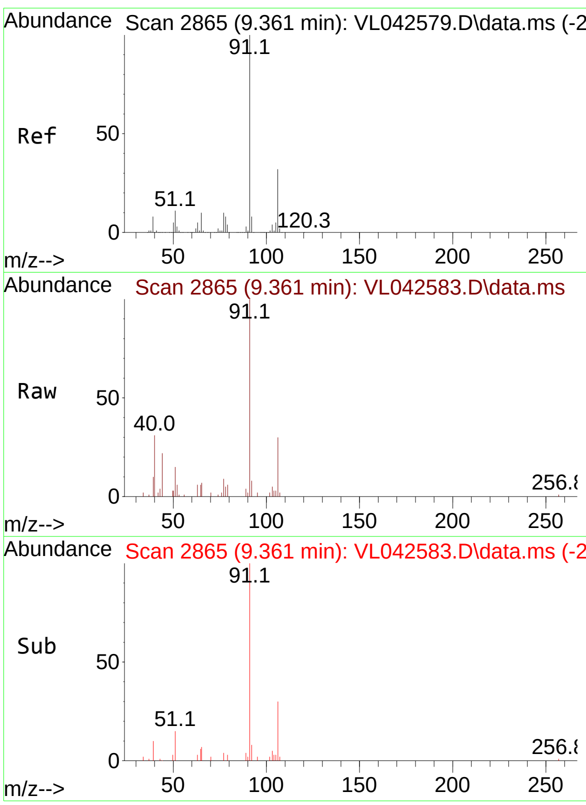
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:112 Resp: 1397

Ion	Ratio	Lower	Upper
112	100		
77	38.8	53.5	80.3#
114	21.4	27.8	34.0#

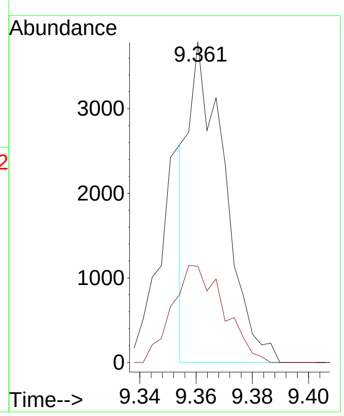


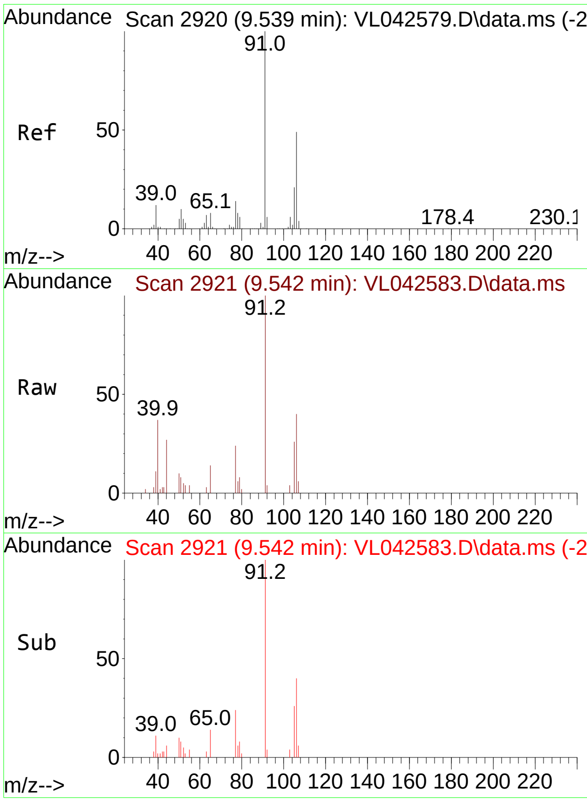


#58
Ethyl Benzene
Concen: 0.073 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 91 Resp: 3383

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.9	38.9



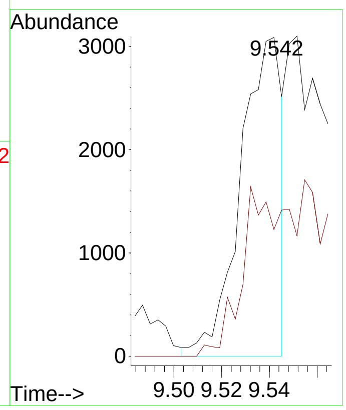


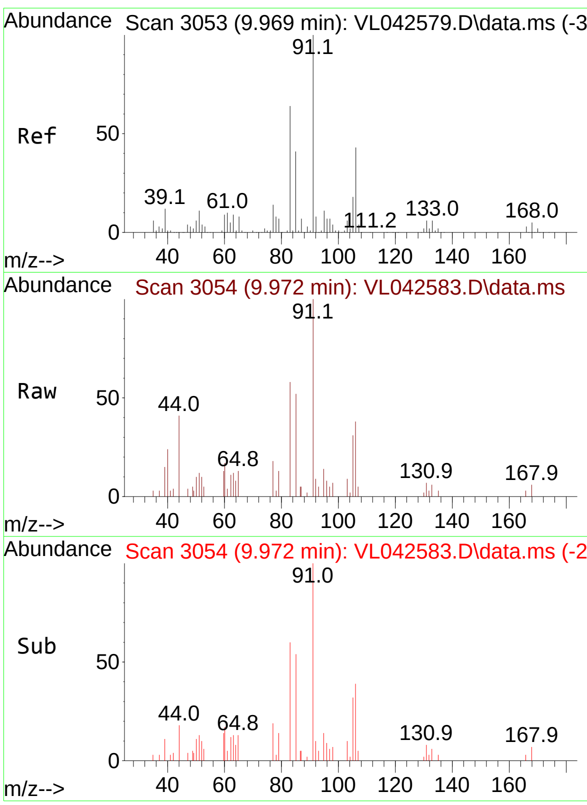
#59
m/p-Xylene
Concen: 0.101 ppbv
RT: 9.542 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 3685

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

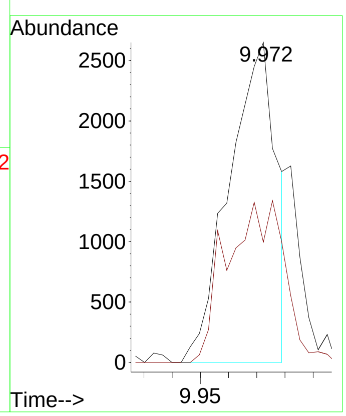


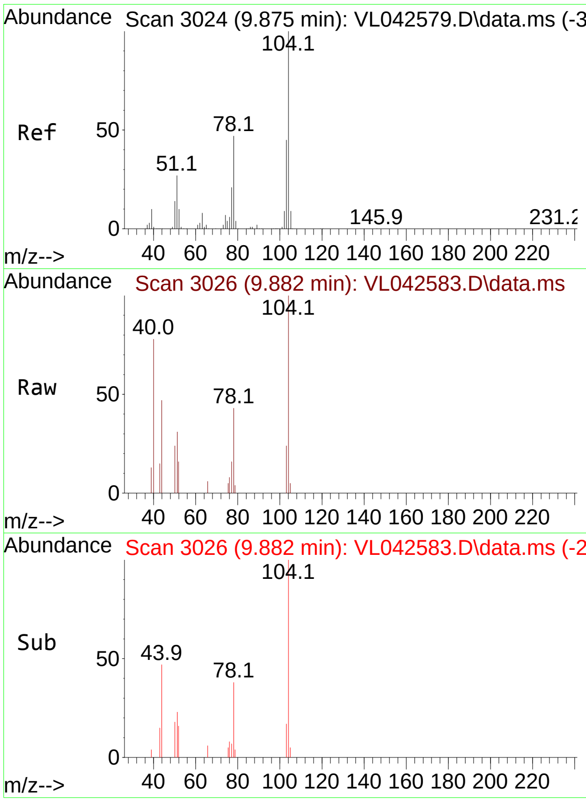


#60
o-Xylene
Concen: 0.084 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 91 Resp: 3081

Ion	Ratio	Lower	Upper
91	100		
106	61.7	22.9	68.5



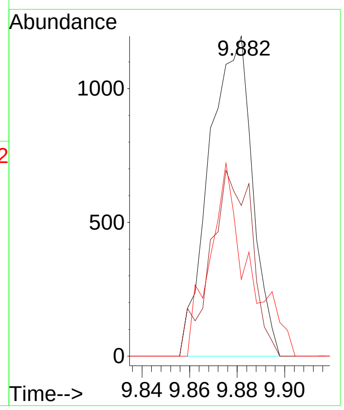


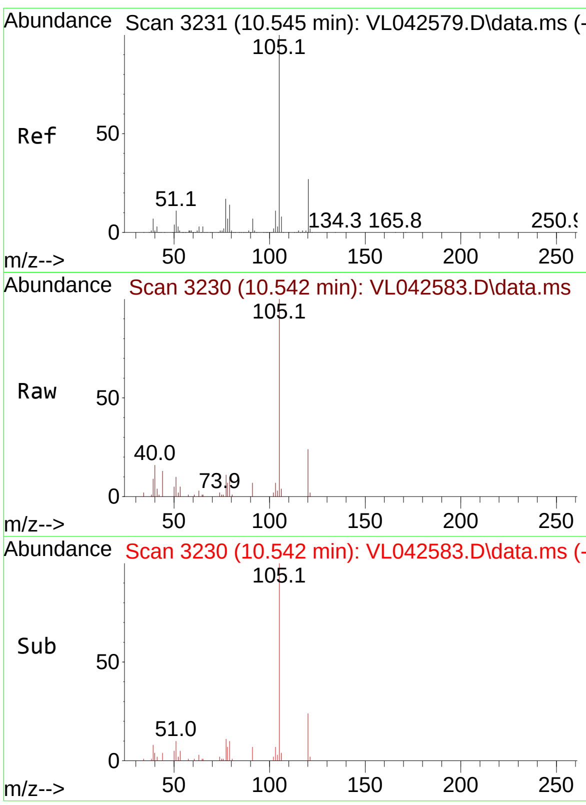
#61
Styrene
Concen: 0.087 ppbv
RT: 9.882 min   Scan# 30
Delta R.T.   0.006 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 1504

Ion	Ratio	Lower	Upper
104	100		
78	56.3	38.2	57.4
103	53.7	36.7	55.1

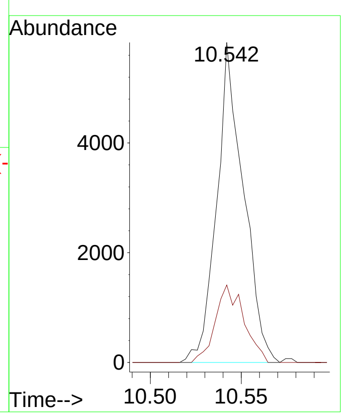


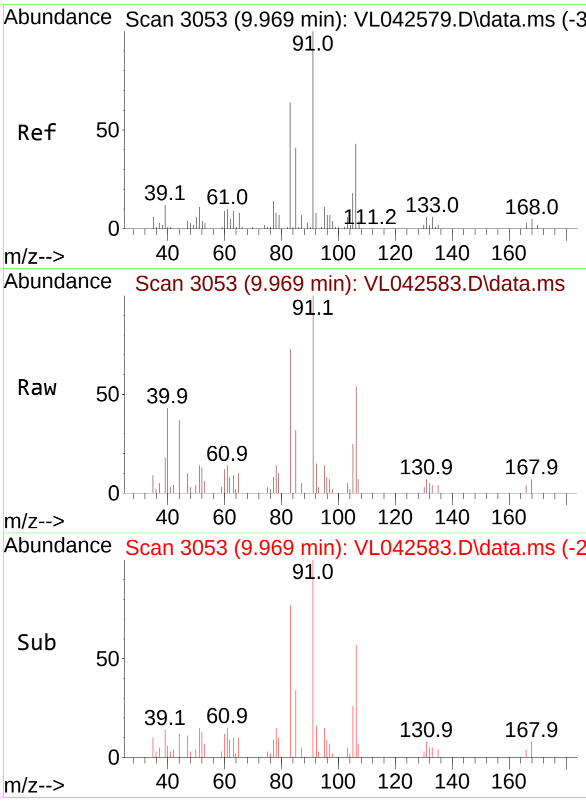


#62
Isopropylbenzene
Concen: 0.110 ppbv
RT: 10.542 min   Scan# 3230
Delta R.T.   -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025   13:19

Tgt Ion:105 Resp: 5949

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.9	31.3



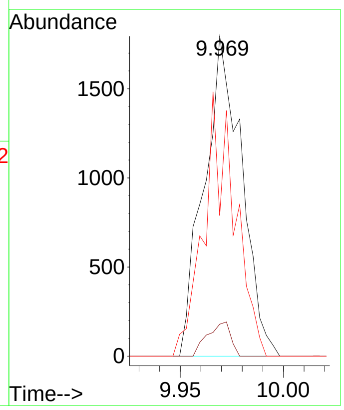


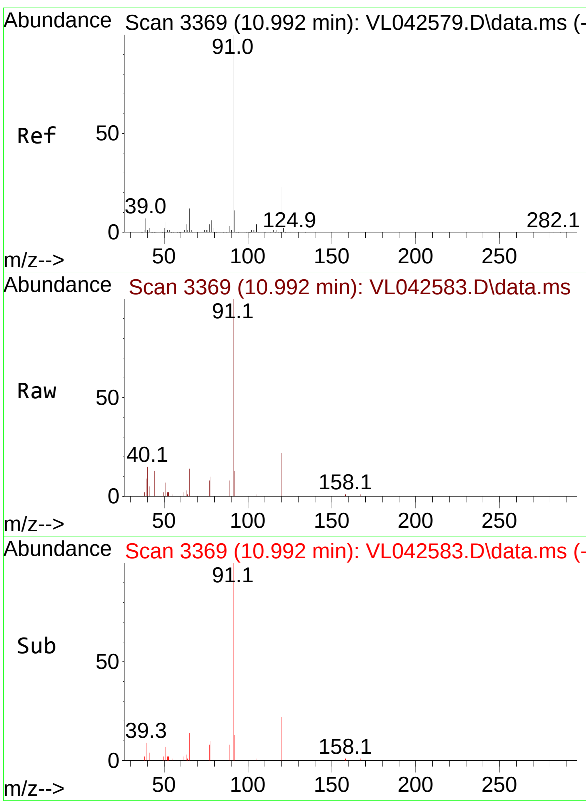
#63
1,1,2,2-Tetrachloroethane
Concen: 0.098 ppbv
RT: 9.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 2267

Ion	Ratio	Lower	Upper
83	100		
131	6.6	4.8	14.4
85	68.0	32.5	97.4

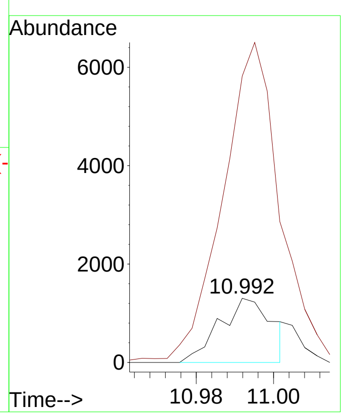


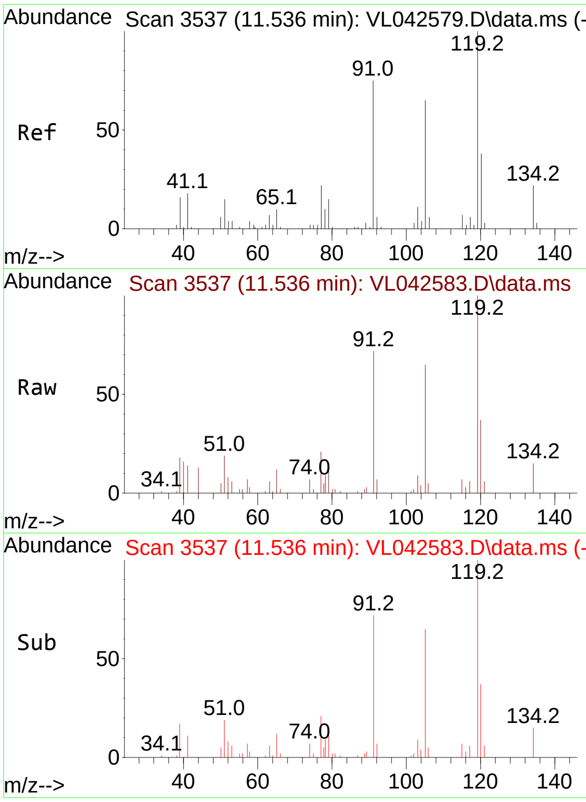


#64
n-propylbenzene
Concen: 0.085 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:120 Resp: 1232

Ion	Ratio	Lower	Upper
120	100		
91	548.3	363.0	544.6#



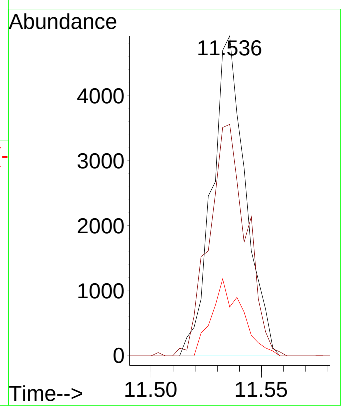


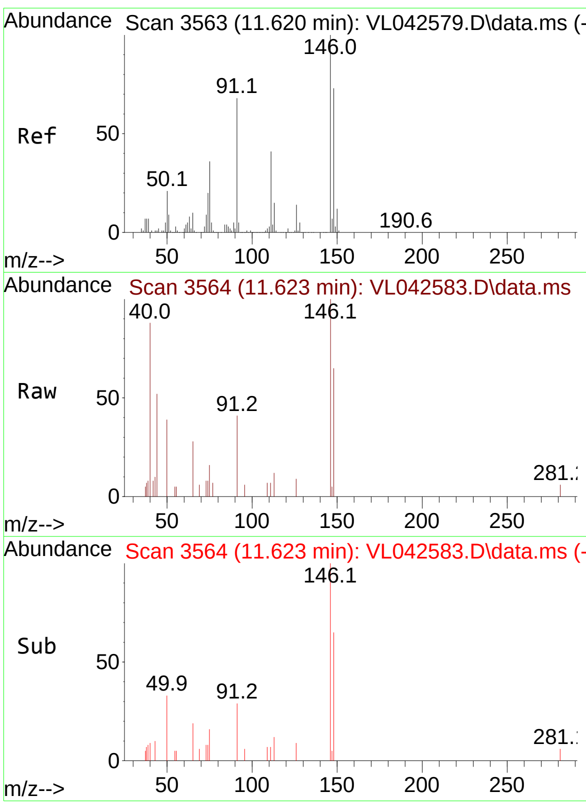
#65
tert-Butylbenzene
Concen: 0.106 ppbv
RT: 11.536 min Scan# 3!
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 5169

Ion	Ratio	Lower	Upper
119	100		
91	81.1	61.1	91.7
134	21.9	17.4	26.2

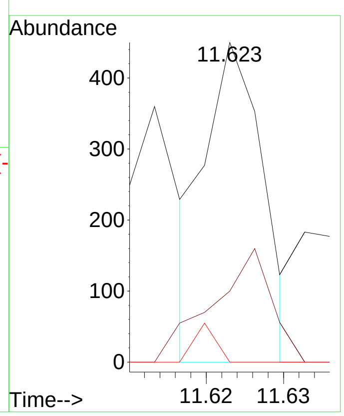


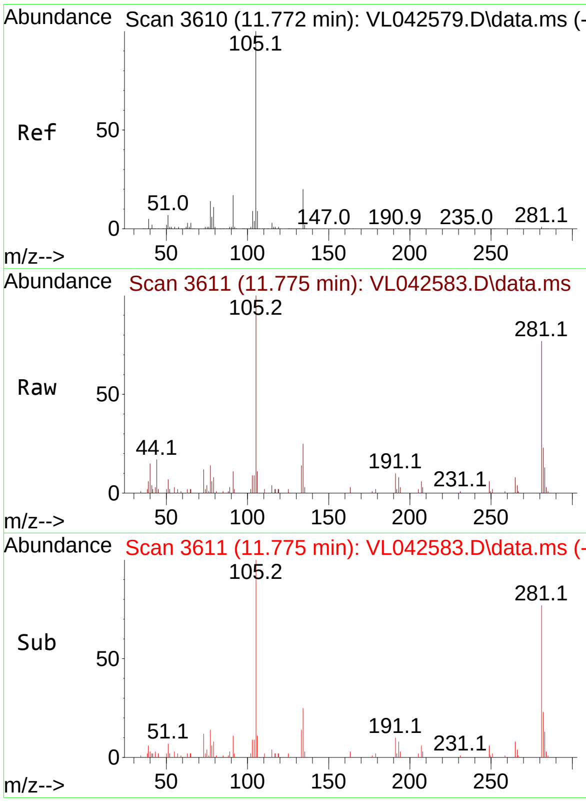


#66
Benzyl Chloride
Concen: 0.037 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 91 Resp: 234

Ion	Ratio	Lower	Upper
91	100		
126	36.8	15.1	22.7#
128	0.0	5.0	7.6#





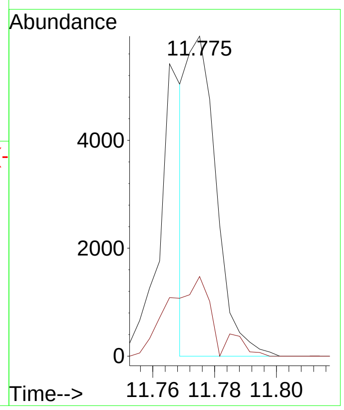
#67
sec-Butylbenzene
Concen: 0.058 ppbv
RT: 11.775 min Scan# 3

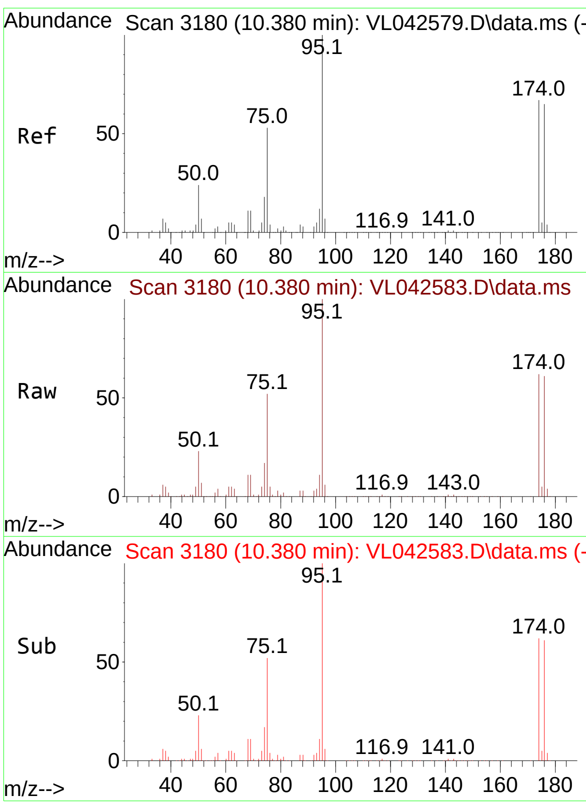
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 3973

Ion	Ratio	Lower	Upper
105	100		
134	38.2	15.8	23.6#

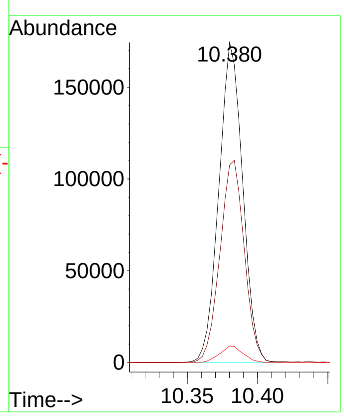


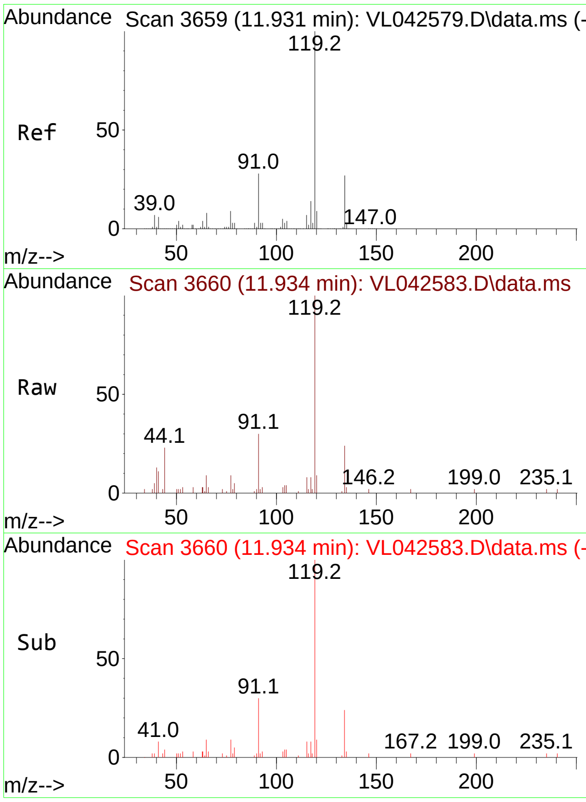


#68
1-Bromo-4-Fluorobenzene
Concen: 10.018 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 95 Resp: 205672

Ion	Ratio	Lower	Upper
95	100		
174	64.7	53.1	79.7
175	5.0	4.2	6.2



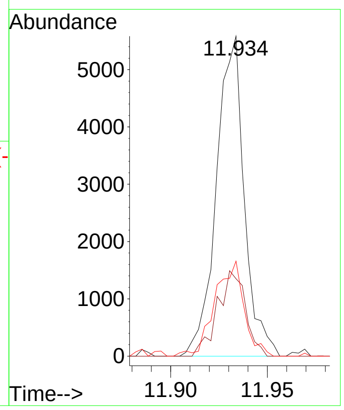


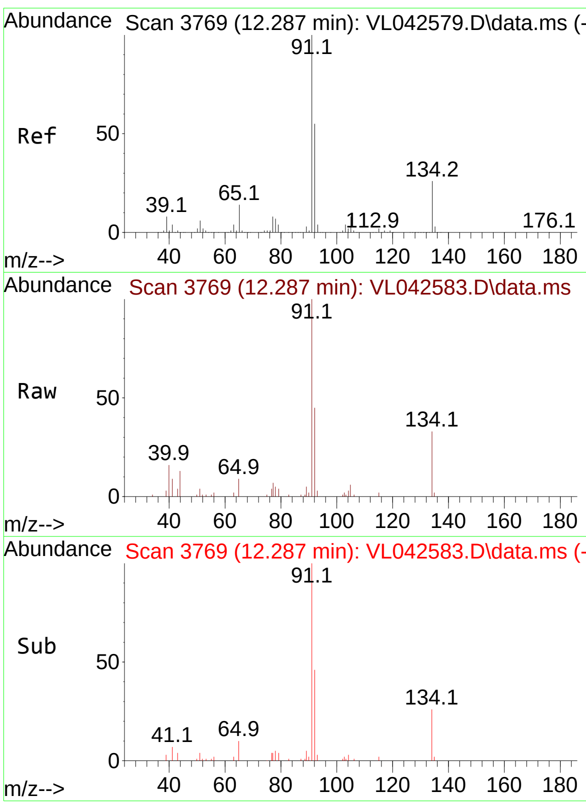
#69
p-Isopropyltoluene
Concen: 0.097 ppbv
RT: 11.934 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 5605

Ion	Ratio	Lower	Upper
119	100		
134	26.9	21.1	31.7
91	31.7	21.9	32.9

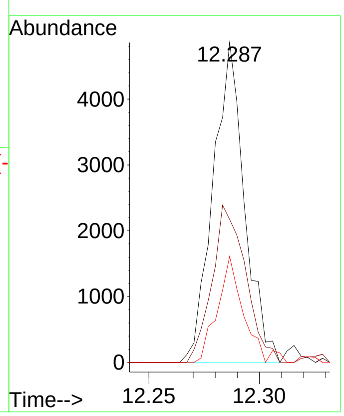


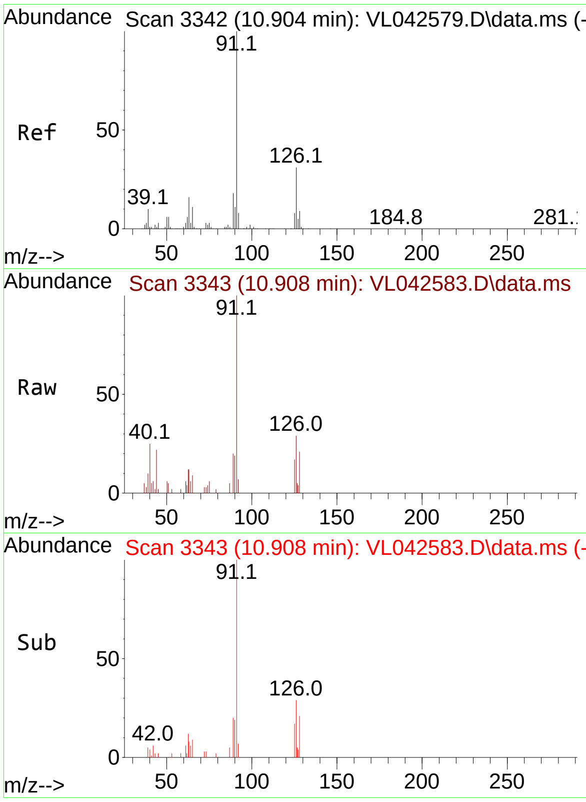


#70
n-Butylbenzene
Concen: 0.085 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 91 Resp: 4829

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.4	66.6
134	27.7	20.1	30.1



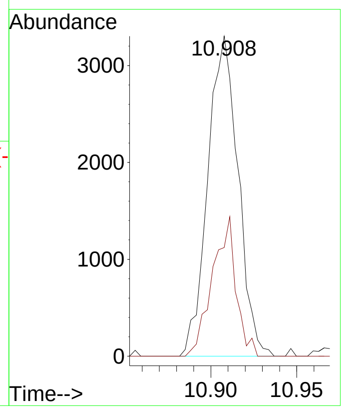


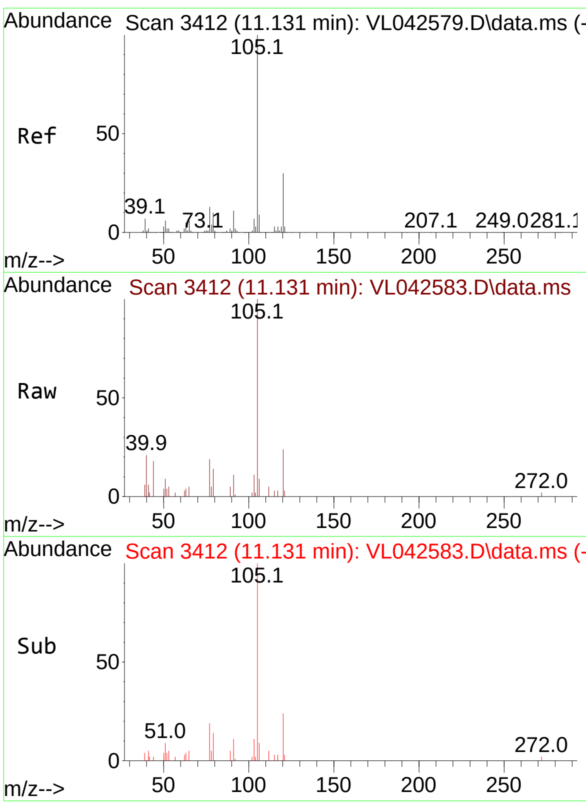
#71
2-Chlorotoluene
Concen: 0.099 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 4065

Ion	Ratio	Lower	Upper
91	100		
126	33.8	12.6	50.4

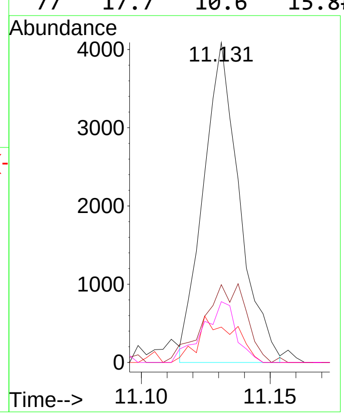


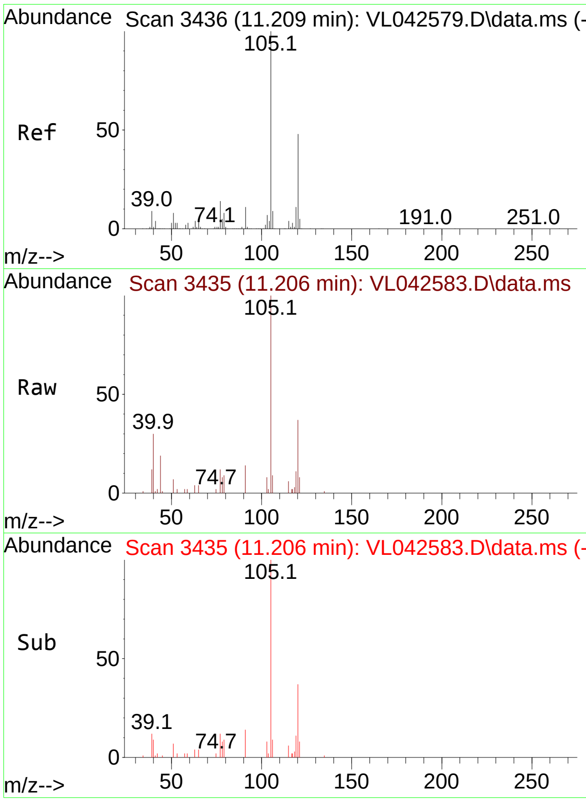


#72
4-Ethyltoluene
Concen: 0.088 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 3986

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.6	36.8
91	15.5	9.6	14.4#
77	17.7	10.6	15.8#



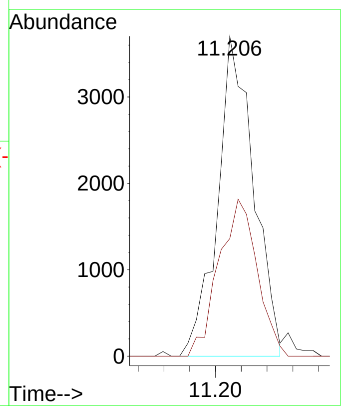


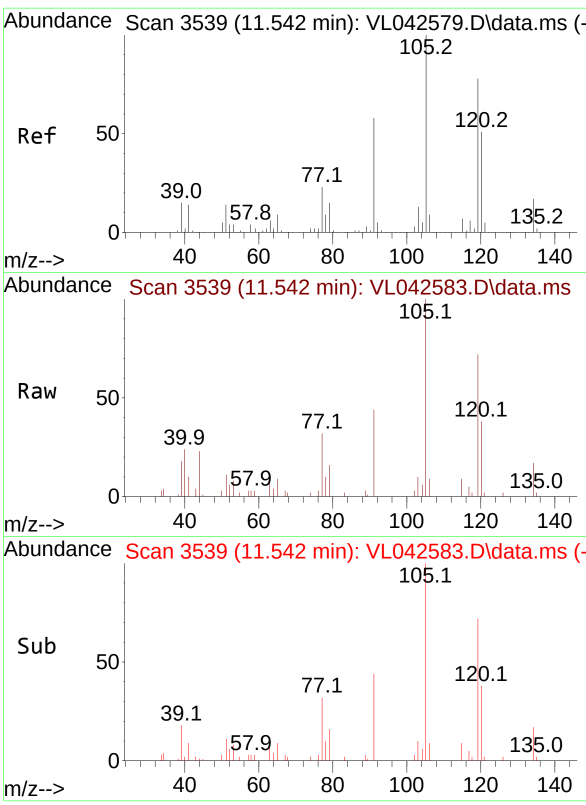
#73
1,3,5-Trimethylbenzene
Concen: 0.096 ppbv
RT: 11.206 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 3615

Ion	Ratio	Lower	Upper
105	100		
120	36.8	38.8	58.2#

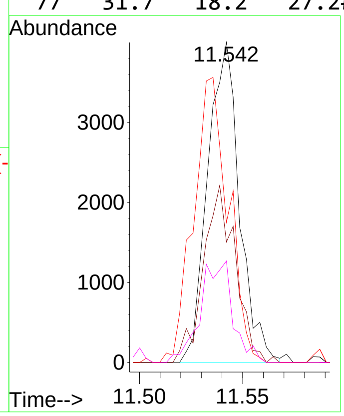




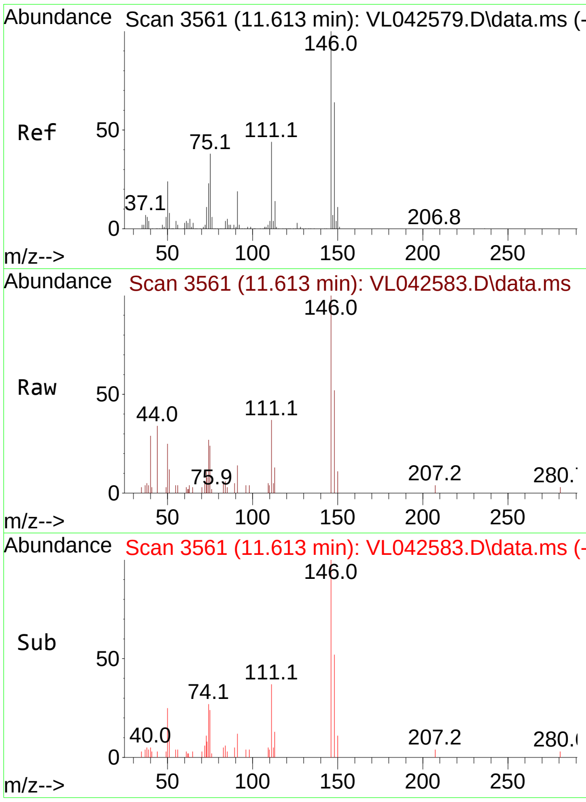
#74
1,2,4-Trimethylbenzene
Concen: 0.103 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 4287

Ion	Ratio	Lower	Upper
105	100		
120	39.5	40.8	61.2#
91	43.8	46.8	70.2#
77	31.7	18.2	27.2#



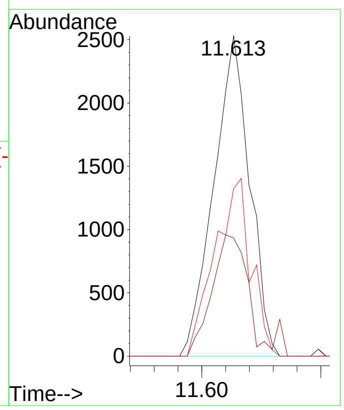
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

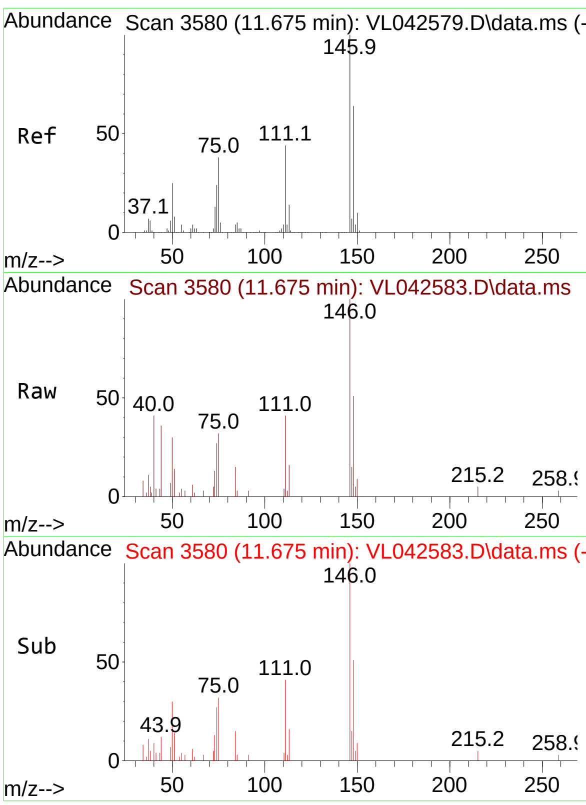


#75
1,3-Dichlorobenzene
Concen: 0.101 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:146 Resp: 2648

Ion	Ratio	Lower	Upper
146	100		
111	39.7	22.4	67.3
148	56.2	32.0	96.2

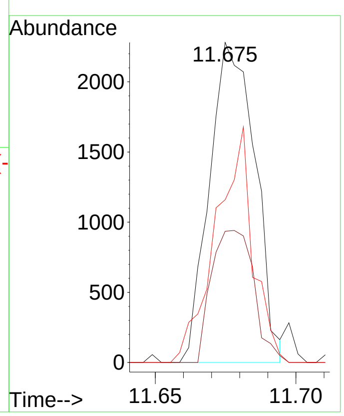


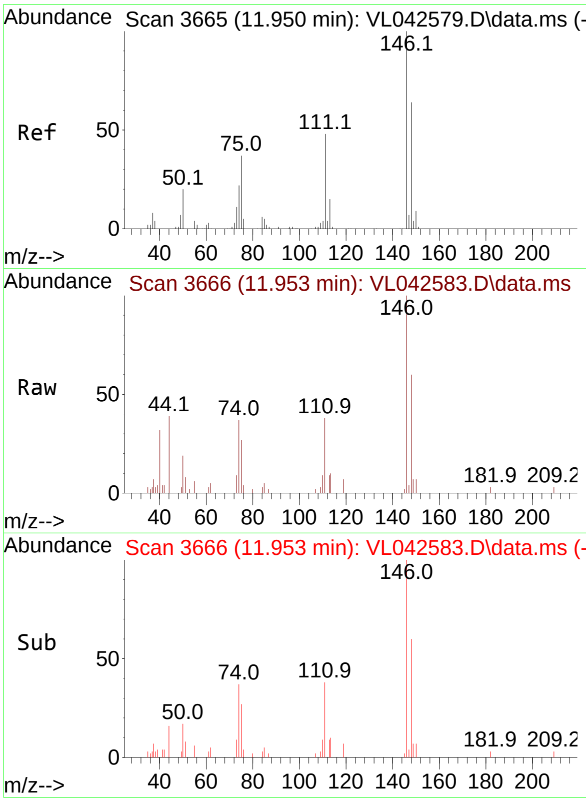


#76
1,4-Dichlorobenzene
Concen: 0.098 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:146 Resp: 2574

Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.6	64.8
148	60.0	32.1	96.5



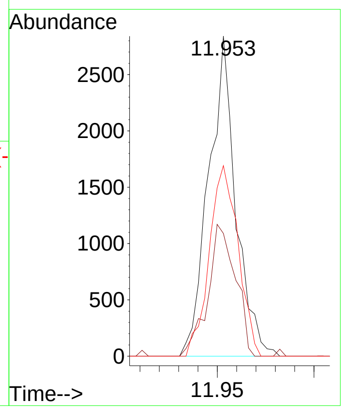


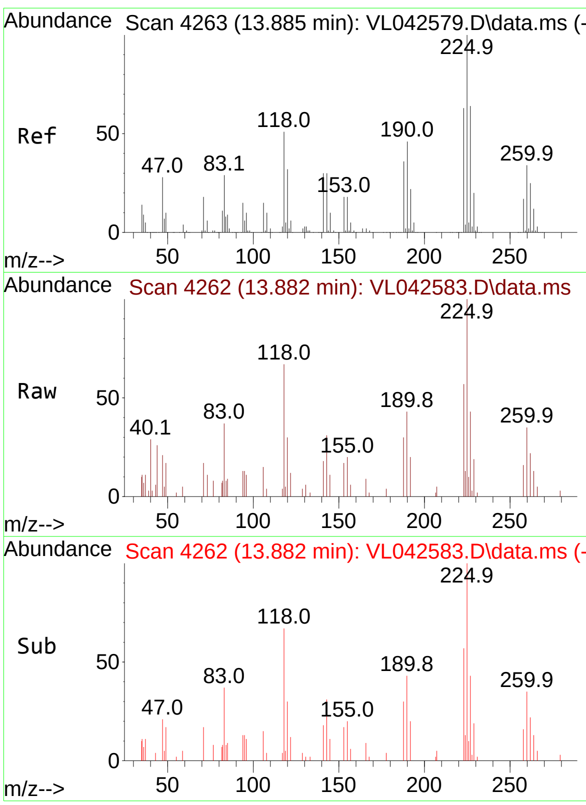
#77
1,2-Dichlorobenzene
Concen: 0.109 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2775

Ion	Ratio	Lower	Upper
146	100		
111	42.5	23.1	69.3
148	63.3	32.1	96.3

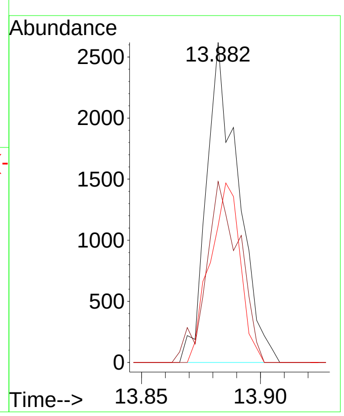


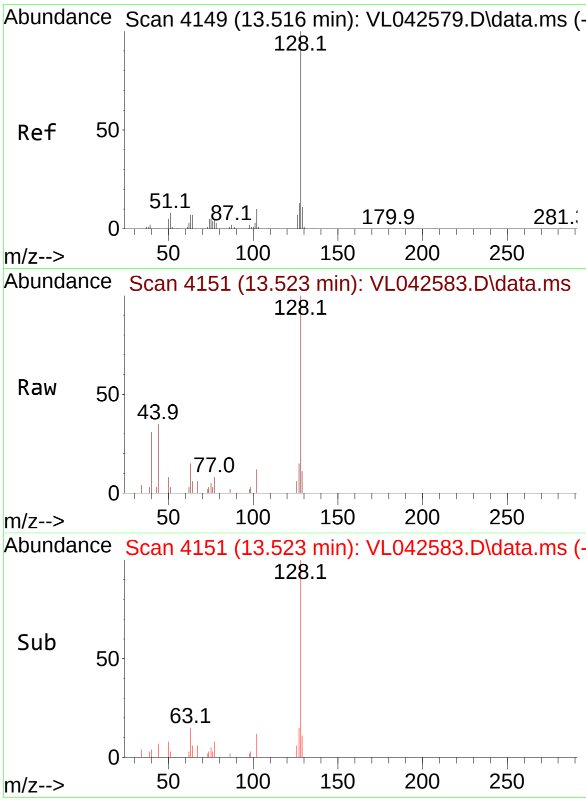


#78
Hexachloro-1,3-Butadiene
Concen: 0.116 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:225 Resp: 2440

Ion	Ratio	Lower	Upper
225	100		
223	59.2	50.2	75.4
227	53.6	51.1	76.7



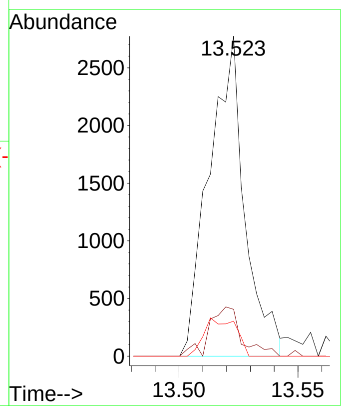


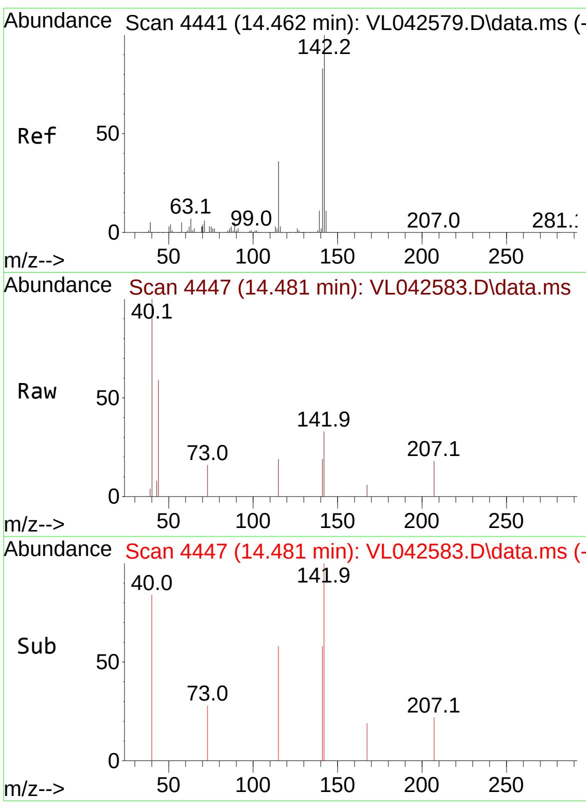
#79
Naphthalene
Concen: 0.074 ppbv
RT: 13.523 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 2887

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	9.9	8.8	13.2

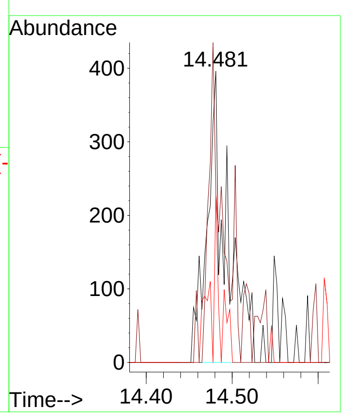


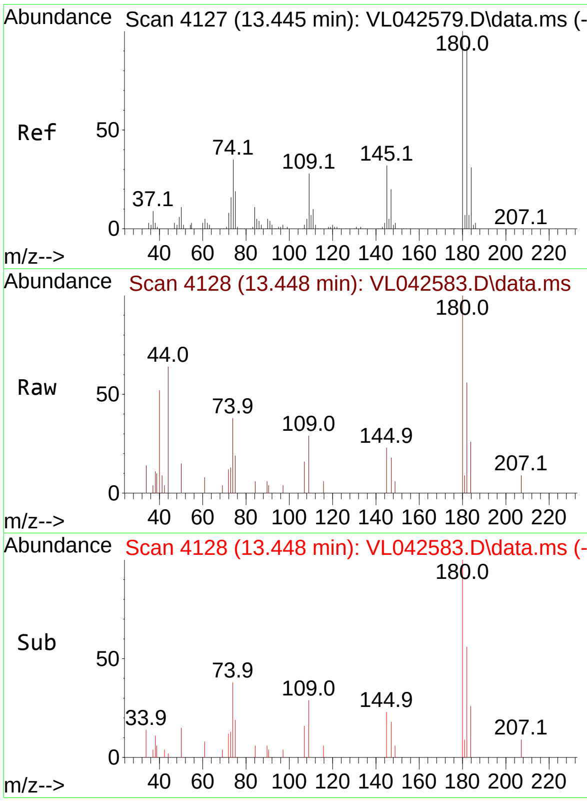


#80
Naphthalene,2-methyl-
Concen: 0.039 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.019 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:142 Resp: 688

Ion	Ratio	Lower	Upper
142	100		
141	70.9	66.2	99.4
115	19.0	28.3	42.5#



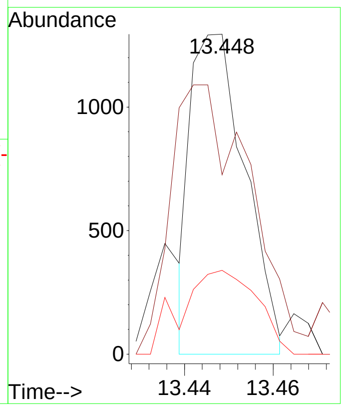


#81
1,2,4-Trichlorobenzene
Concen: 0.050 ppbv
RT: 13.448 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 1109

Ion	Ratio	Lower	Upper
180	100		
182	128.7	75.0	112.4#
184	36.1	24.6	36.8



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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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
2) Dichlorodifluoromethane	1.499	85	367	0.029	ppbv	#	65
3) Chlorodifluoromethane	1.476	51	2721	0.156	ppbv		95
4) Chloromethane	1.538	50	54	0.011	ppbv	#	46
5) Vinyl Chloride	1.577	62	209	0.041	ppbv	#	77
6) Bromomethane	1.667	94	77	0.031	ppbv	#	77
7) Chloroethane	1.696	64	13	0.007	ppbv	#	44
8) Dichlorotetrafluoroethane	1.554	85	436	0.041	ppbv	#	66
9) Propene	1.036	41	83	0.012	ppbv		93
10) Heptane	4.985	43	312	0.016	ppbv	#	28
11) Trichlorofluoromethane	1.877	101	523	0.044	ppbv		84
12) 1,1,2-Trichlorotrifluo...	2.140	101	201	0.022	ppbv	#	33
13) Ethanol	1.797	45	178	0.227	ppbv	#	39
14) Bromoethene	1.780	108	172	0.049	ppbv	#	41
15) Acetone	1.839	43	1444	0.116	ppbv		99
16) 1,3-Butadiene	1.615	39	159	0.027	ppbv	#	1
17) tert-Butyl alcohol	2.049	59	560	0.043	ppbv	#	1
18) 1,1-Dichloroethene	2.036	96	125	0.029	ppbv		82
19) Isopropyl Alcohol	1.887	45	503	0.068	ppbv	#	68
20) Methylene Chloride	2.062	84	848	0.207	ppbv	#	86
21) Allyl Chloride	2.098	41	304	0.035	ppbv	#	1
22) trans-1,2-Dichloroethene	2.350	96	58	0.012	ppbv		87
23) Vinyl Acetate	2.467	43	1120	0.067	ppbv	#	1
24) 1,1-Dichloroethane	2.415	63	424	0.043	ppbv	#	88
25) Ethyl Acetate	2.839	43	380	0.011	ppbv	#	75
26) Hexane	2.832	57	172	0.011	ppbv	#	1
27) Carbon Disulfide	2.153	76	340	0.029	ppbv	#	1
28) Methyl tert-Butyl Ether	2.450	73	116	0.019	ppbv	#	1
29) Chloroform	2.849	83	577	0.029	ppbv		92
30) Cyclohexane	3.862	84	220	0.017	ppbv	#	1
31) cis-1,2-Dichloroethene	2.722	61	424	0.030	ppbv	#	70
32) 1,1,1-Trichloroethane	3.366	97	255	0.013	ppbv	#	1
34) 2-Butanone	2.564	43	1204	0.055	ppbv	#	86
35) Carbon Tetrachloride	3.764	117	442	0.022	ppbv	#	78
36) Benzene	3.664	78	641	0.021	ppbv	#	76
37) 1,2-Dichloroethane	3.217	62	253	0.017	ppbv	#	78
38) Trichloroethene	4.551	130	77	0.006	ppbv	#	40
39) 1,2-Dichloropropane	3.962	63	72547	6.532	ppbv	#	22
40) 1,4-Dioxane	4.619	88	25	0.005	ppbv	#	1
41) Tetrahydrofuran	3.065	42	84	0.007	ppbv	#	39
42) Bromodichloromethane	4.499	83	434	0.020	ppbv	#	67
43) Methyl Methacrylate	4.888	69	182	0.016	ppbv	#	30
44) 2,2,4-Trimethylpentane	4.648	57	596	0.012	ppbv	#	42
45) t-1,3-Dichloropropene	6.422	75	196	0.015	ppbv		91

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	139	0.008 ppbv #	67
47) 1,1,2-Trichloroethane	6.587	97	192	0.017 ppbv #	73
48) Dibromochloromethane	7.396	129	318	0.017 ppbv #	34
49) Bromoform	9.487	173	353	0.022 ppbv #	58
50) 4-Methyl-2-Pentanone	5.768	43	81	0.003 ppbv #	39
51) 2-Hexanone	7.441	43	78	0.003 ppbv #	28
52) Tetrachloroethene	8.228	164	227	0.020 ppbv #	28
53) Toluene	6.946	91	372	0.011 ppbv #	1
54) 1,2-Dibromoethane	7.678	107	104	0.006 ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	451	0.033 ppbv #	23
57) Chlorobenzene	8.927	112	585	0.022 ppbv #	90
58) Ethyl Benzene	9.354	91	866	0.019 ppbv	89
59) m/p-Xylene	9.529	91	382	0.010 ppbv #	29
60) o-Xylene	9.972	91	1125	0.031 ppbv	93
61) Styrene	9.885	104	201	0.012 ppbv #	6
62) Isopropylbenzene	10.542	105	1842	0.034 ppbv #	86
63) 1,1,2,2-Tetrachloroethane	9.969	83	866	0.037 ppbv #	82
64) n-propylbenzene	10.998	120	391	0.027 ppbv	74
65) tert-Butylbenzene	11.529	119	1766	0.036 ppbv	87
66) Benzyl Chloride	11.626	91	93	0.015 ppbv #	64
67) sec-Butylbenzene	11.775	105	2082	0.030 ppbv #	78
69) p-Isopropyltoluene	11.931	119	1598	0.028 ppbv	96
70) n-Butylbenzene	12.287	91	1095	0.019 ppbv #	79
71) 2-Chlorotoluene	10.901	91	827	0.020 ppbv #	43
72) 4-Ethyltoluene	11.131	105	1671	0.037 ppbv #	84
73) 1,3,5-Trimethylbenzene	11.212	105	1177	0.031 ppbv	89
74) 1,2,4-Trimethylbenzene	11.542	105	1387	0.033 ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	843	0.032 ppbv	90
76) 1,4-Dichlorobenzene	11.678	146	538	0.021 ppbv	70
77) 1,2-Dichlorobenzene	11.678	146	538	0.021 ppbv	72
78) Hexachloro-1,3-Butadiene	13.889	225	756	0.036 ppbv #	84
79) Naphthalene	13.513	128	214	0.005 ppbv #	69
80) Naphthalene,2-methyl-	14.487	142	210	0.012 ppbv #	62
81) 1,2,4-Trichlorobenzene	13.448	180	350	0.016 ppbv #	93

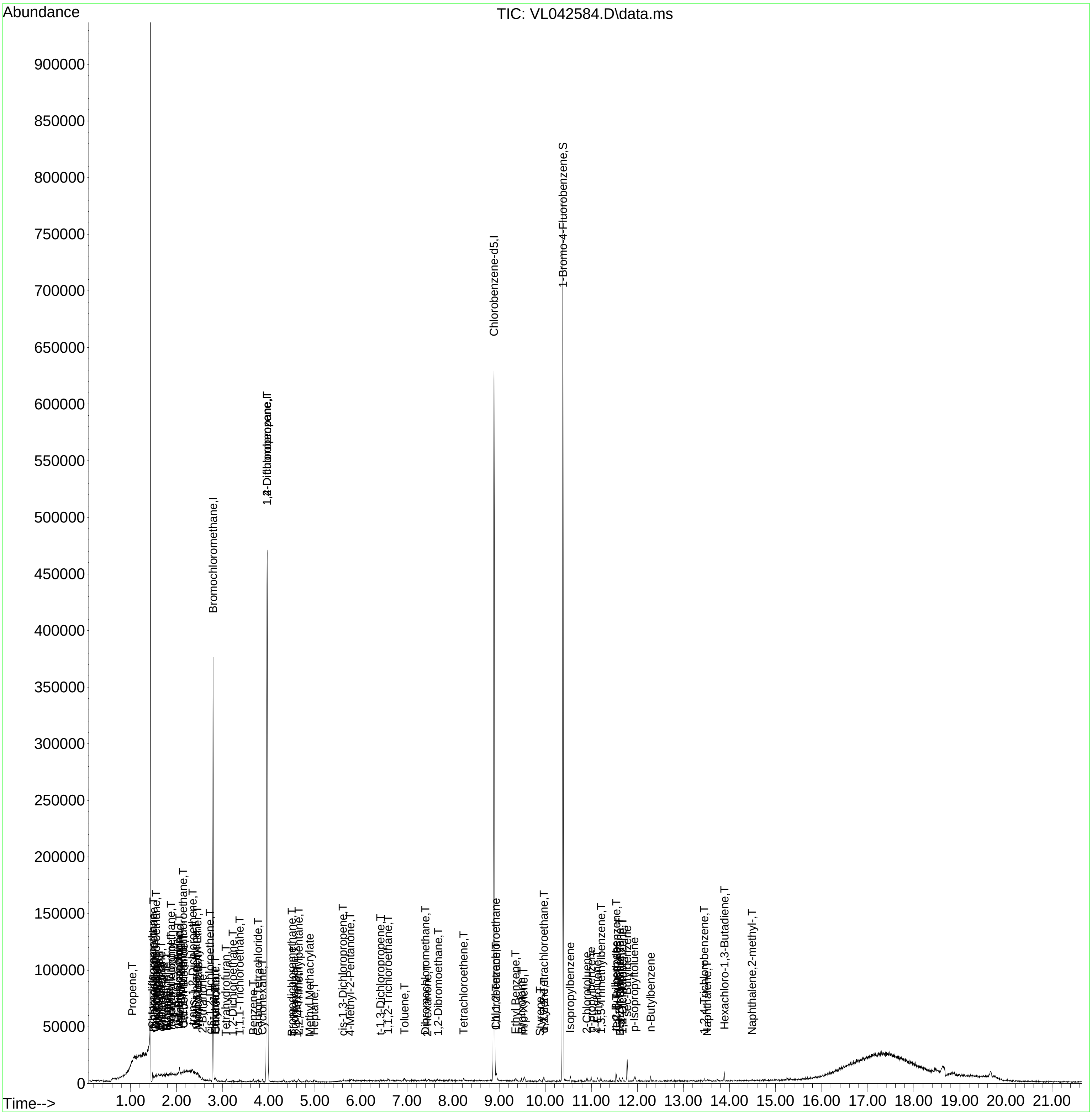
(#) = qualifier out of range (m) = manual integration (+) = signals summed

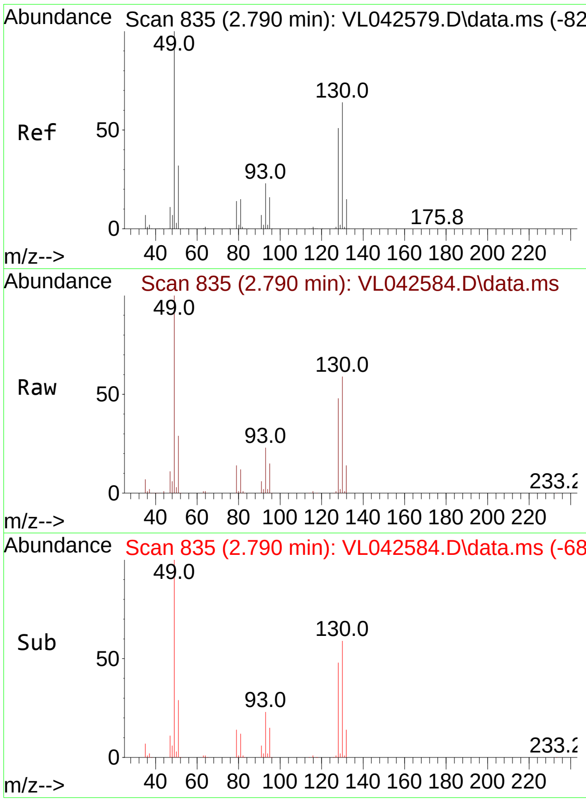
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration





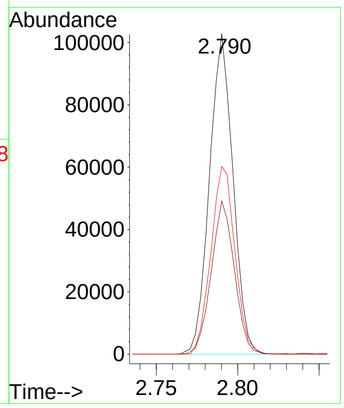
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8

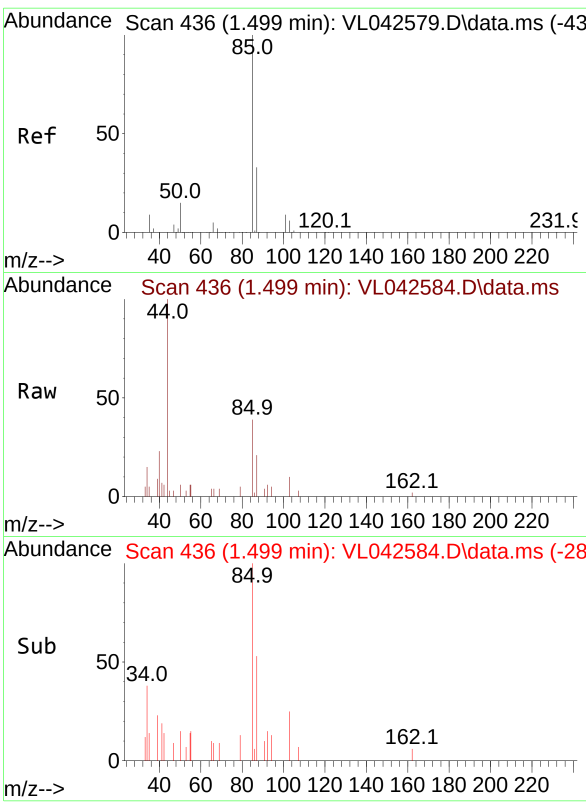
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 49 Resp: 103144

Ion	Ratio	Lower	Upper
49	100		
128	47.0	24.2	72.6
130	60.0	30.4	91.2

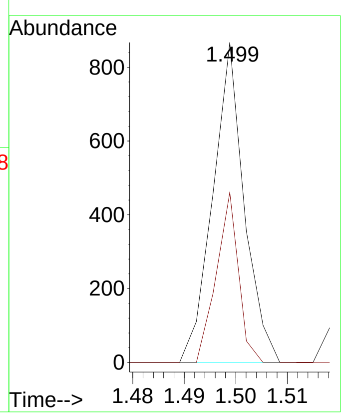


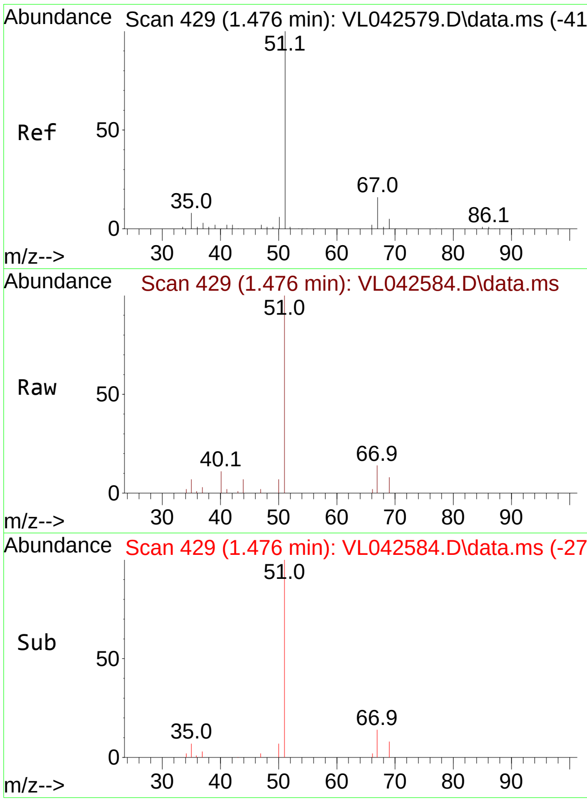


#2
Dichlorodifluoromethane
Concen: 0.029 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 85 Resp: 367

Ion	Ratio	Lower	Upper
85	100		
87	53.2	26.6	39.8#



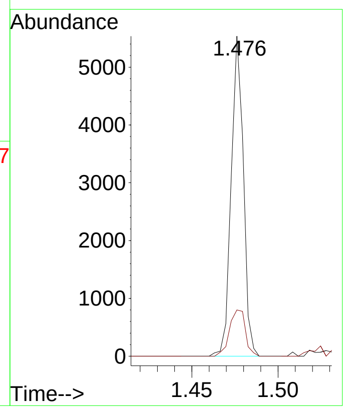


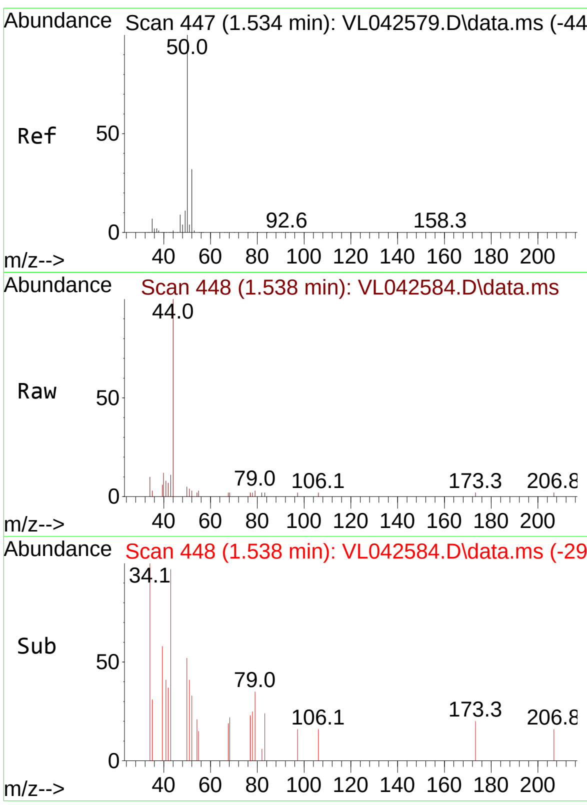
#3
Chlorodifluoromethane
Concen: 0.156 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 2721

Ion	Ratio	Lower	Upper
51	100		
67	18.9	13.4	20.2

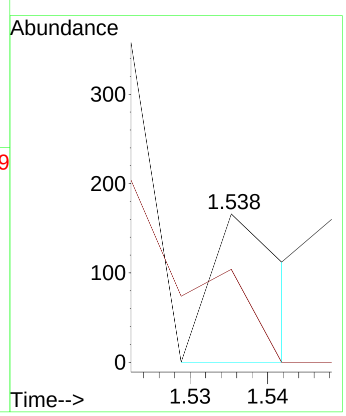


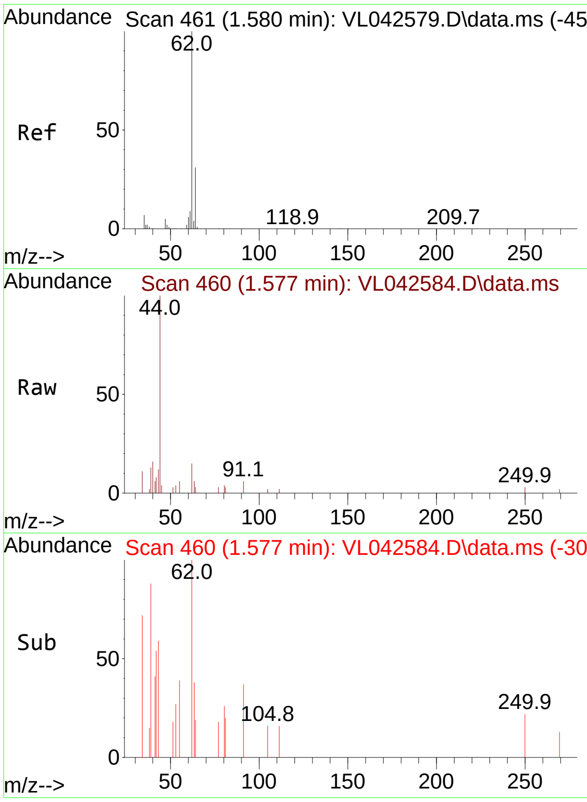


#4
Chloromethane
Concen: 0.011 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 50 Resp: 54

Ion	Ratio	Lower	Upper
50	100		
52	62.7	25.8	38.6#



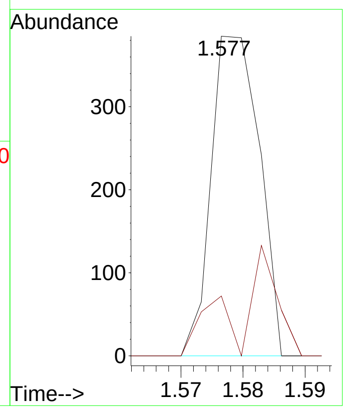


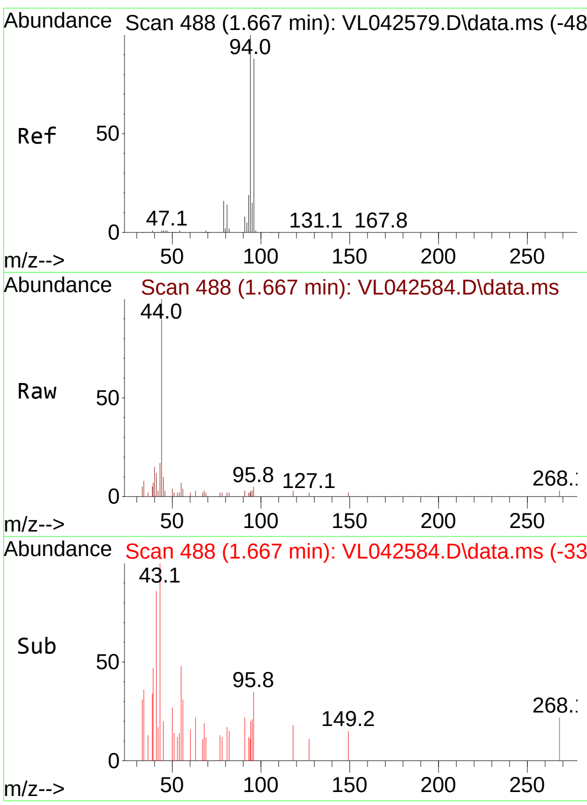
#5
Vinyl Chloride
Concen: 0.041 ppbv
RT: 1.577 min   Scan# 4(
Delta R.T.   -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 209

Ion	Ratio	Lower	Upper
62	100		
64	18.7	24.9	37.3#

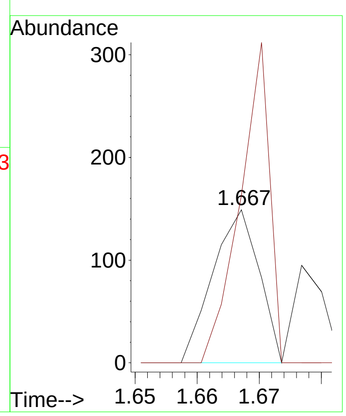


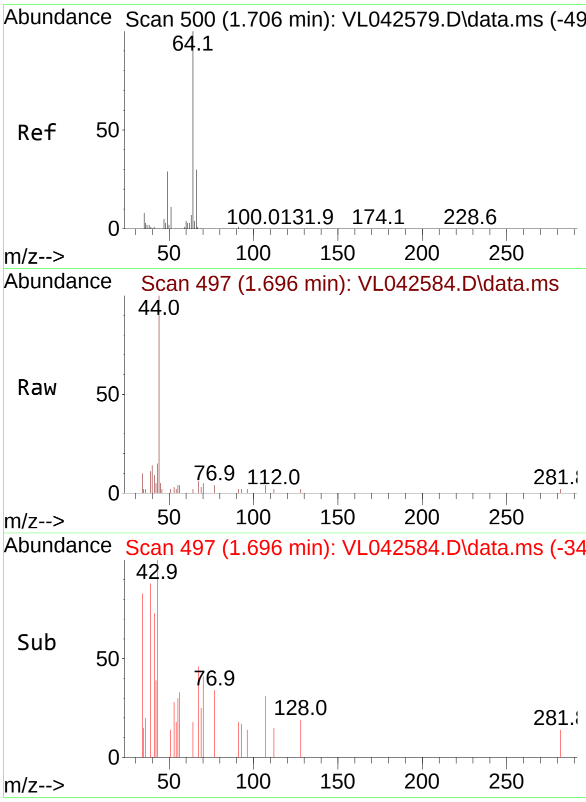


#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.667 min   Scan# 488
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 94 Resp: 77

Ion	Ratio	Lower	Upper
94	100		
96	109.4	70.7	106.1#



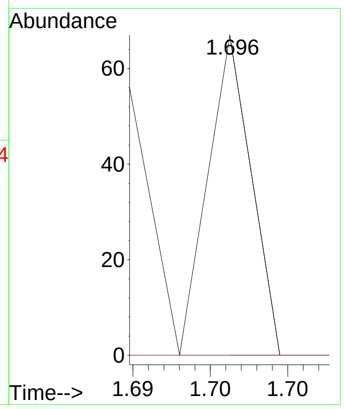


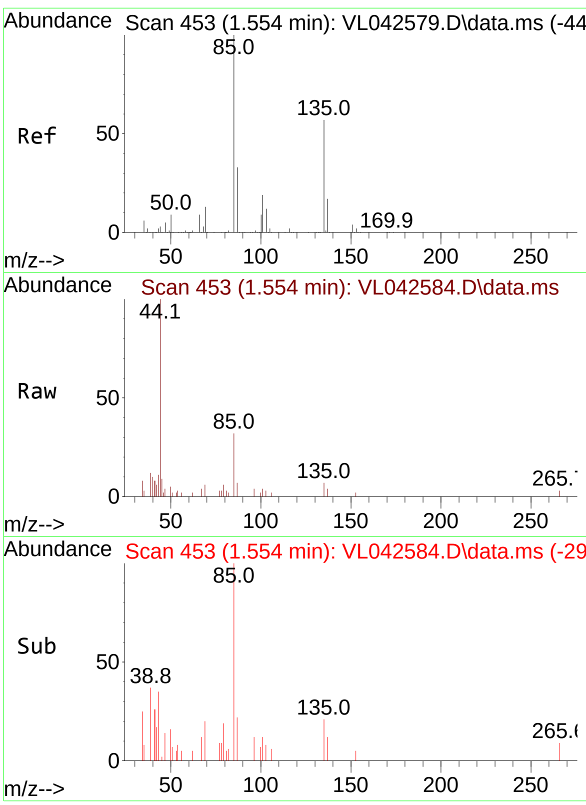
#7
Chloroethane
Concen: 0.007 ppbv
RT: 1.696 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 13

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.3	36.5#

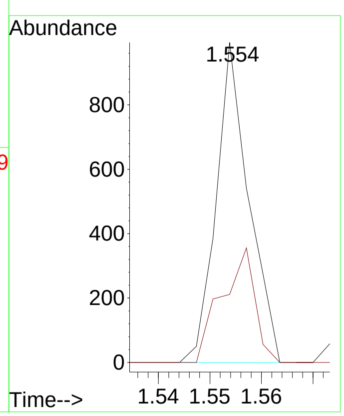


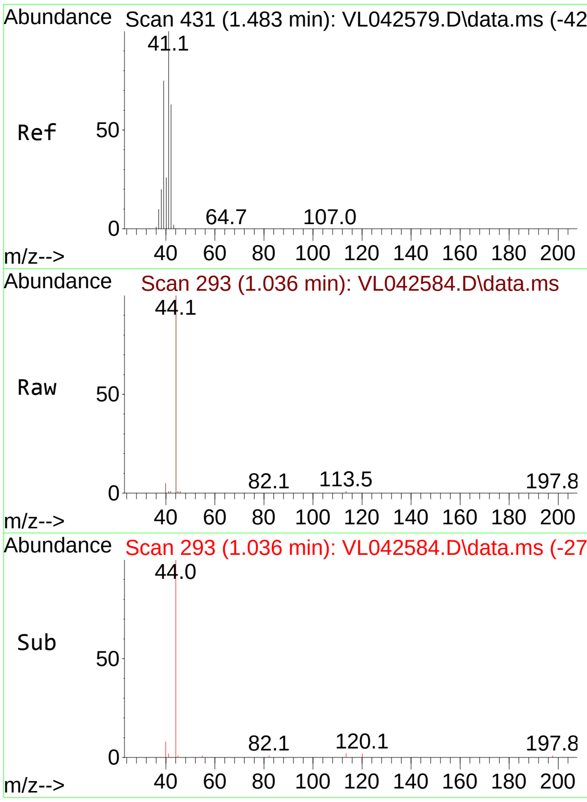


#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 85 Resp: 436

Ion	Ratio	Lower	Upper
85	100		
135	36.5	50.2	75.4#



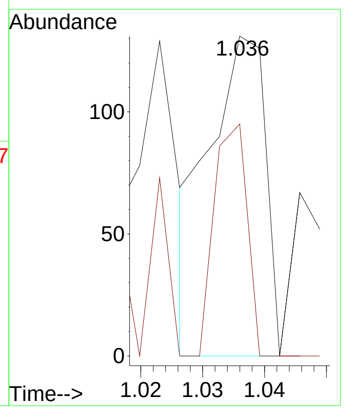


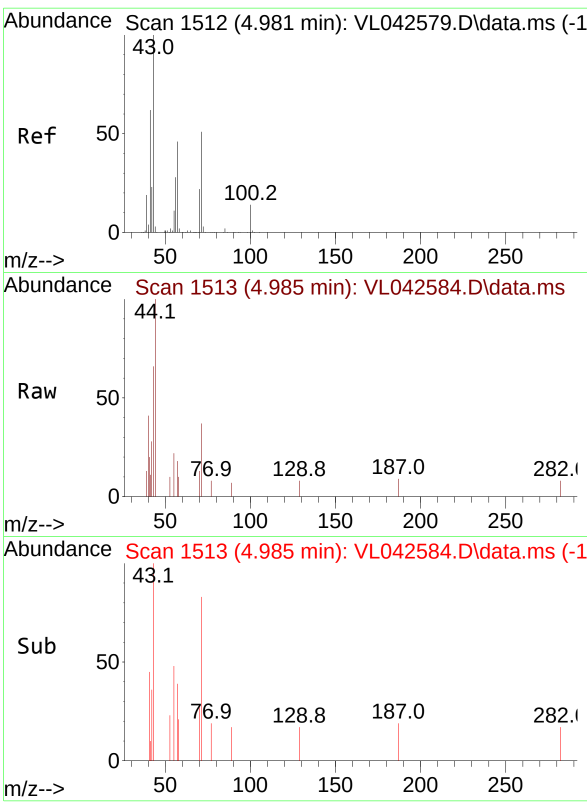
#9
Propene
Concen: 0.012 ppbv
RT: 1.036 min   Scan# 2
Delta R.T.   -0.447 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 83

Ion	Ratio	Lower	Upper
41	100		
42	72.3	53.3	79.9

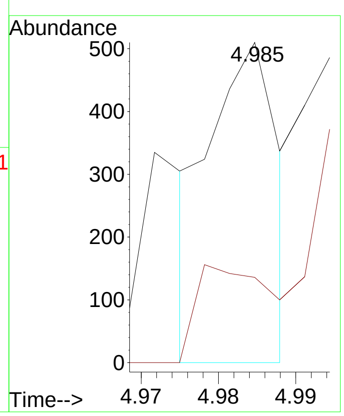


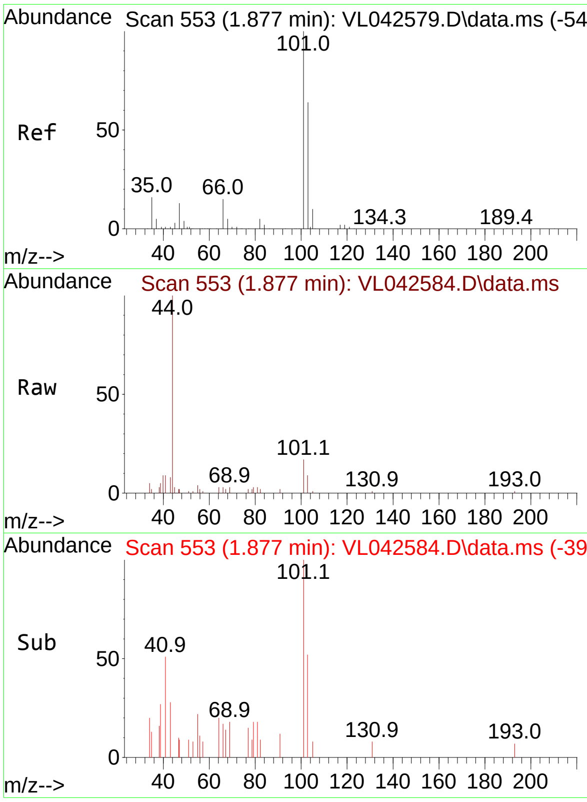


#10
Heptane
Concen: 0.016 ppbv
RT: 4.985 min   Scan# 1513
Delta R.T.   0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 43 Resp: 312

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#





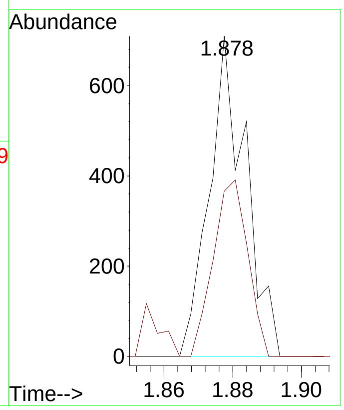
#11
Trichlorofluoromethane
Concen: 0.044 ppbv
RT: 1.877 min   Scan# 5

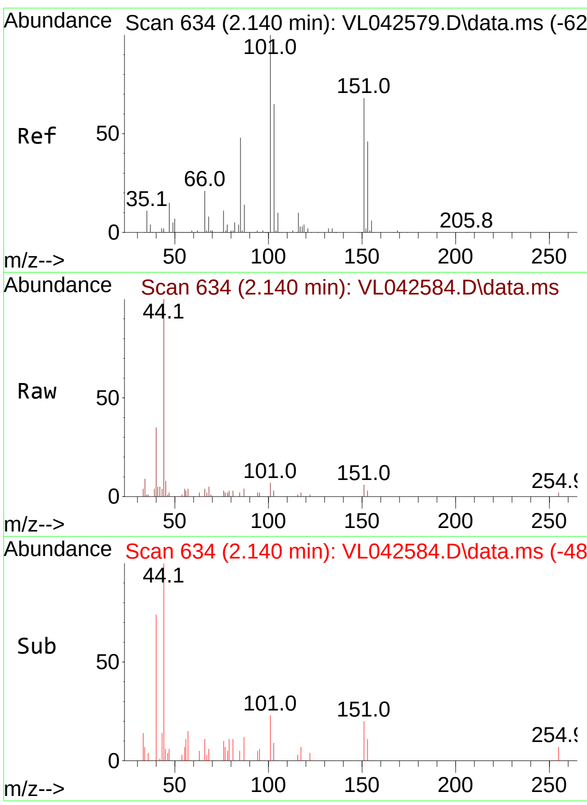
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion:101 Resp: 523

Ion	Ratio	Lower	Upper
101	100		
103	51.5	51.5	77.3

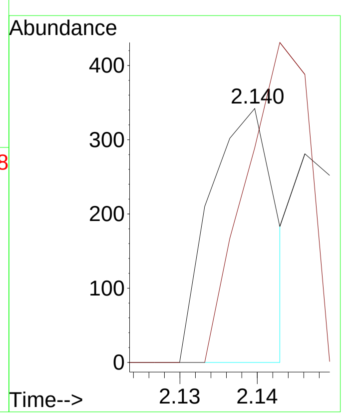


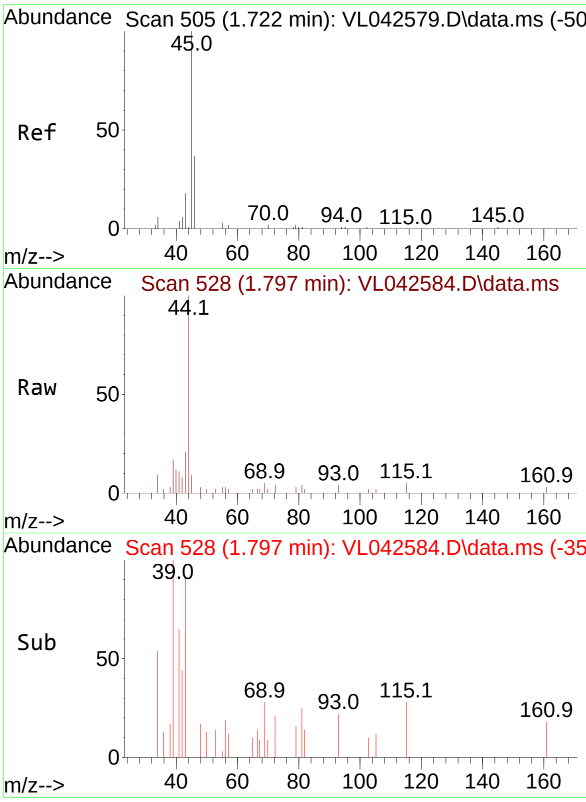


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.022 ppbv
RT: 2.140 min   Scan# 634
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion:101 Resp: 201

Ion	Ratio	Lower	Upper
101	100		
151	123.4	55.3	82.9#





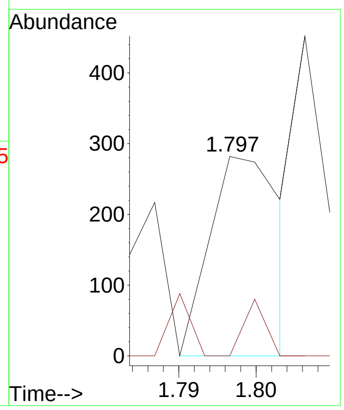
#13
Ethanol
Concen: 0.227 ppbv
RT: 1.797 min Scan# 5

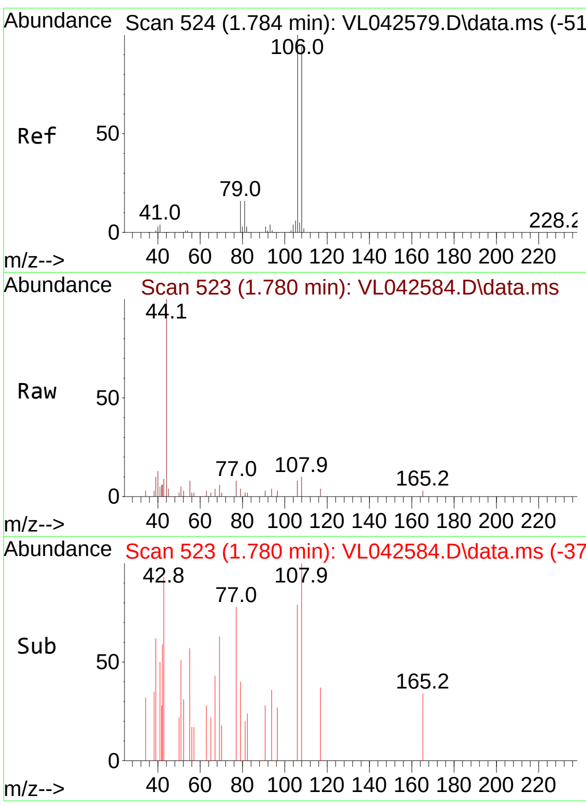
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.074 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 45 Resp: 178

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.5	58.1#

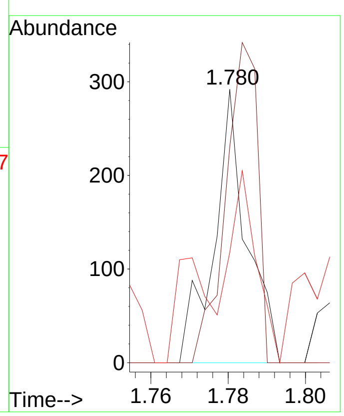


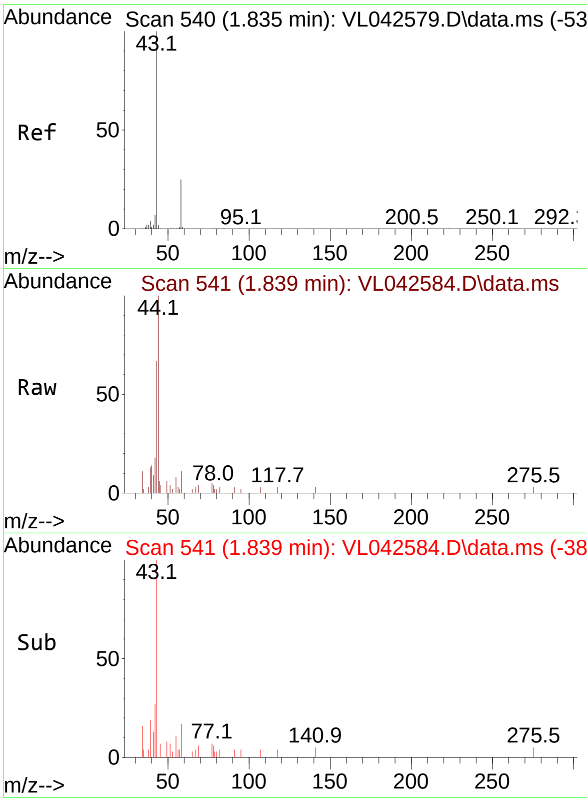


#14
Bromoethene
Concen: 0.049 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:108 Resp: 172

Ion	Ratio	Lower	Upper
108	100		
106	114.5	87.9	131.9
79	185.5	15.6	23.4#





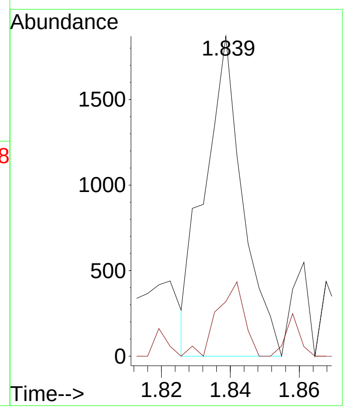
#15
Acetone
Concen: 0.116 ppbv
RT: 1.839 min   Scan# 54

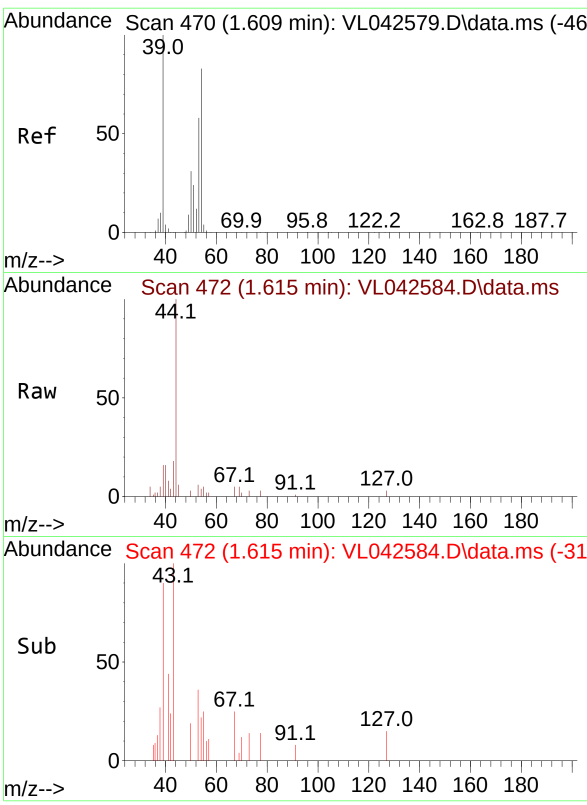
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T.   0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 43 Resp: 1444

Ion	Ratio	Lower	Upper
43	100		
58	25.9	21.0	31.4

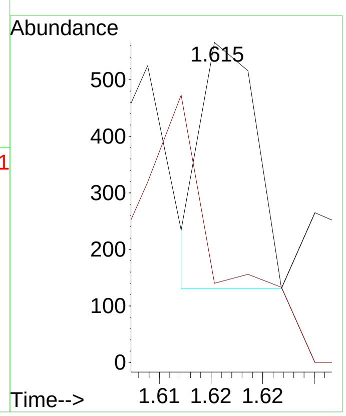


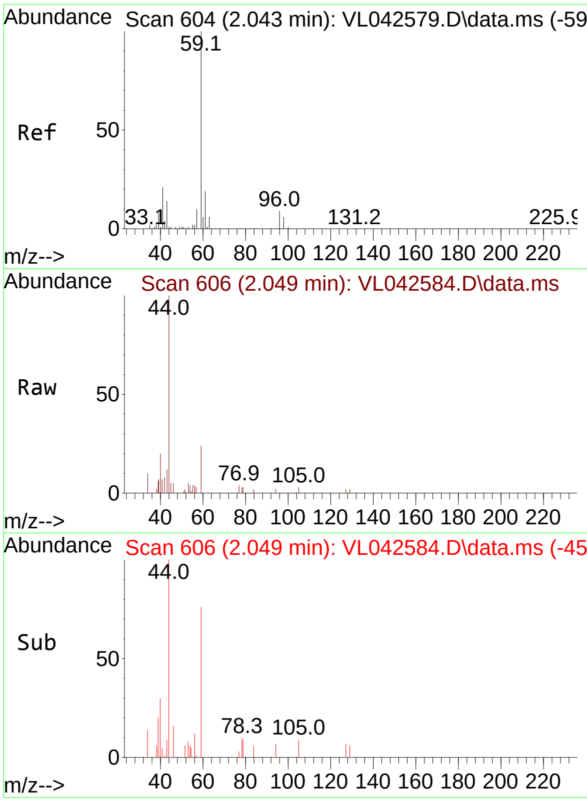


#16
1,3-Butadiene
Concen: 0.027 ppbv
RT: 1.615 min   Scan# 472
Delta R.T.   0.006 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 39 Resp: 159

Ion	Ratio	Lower	Upper
39	100		
54	252.2	57.9	86.9#





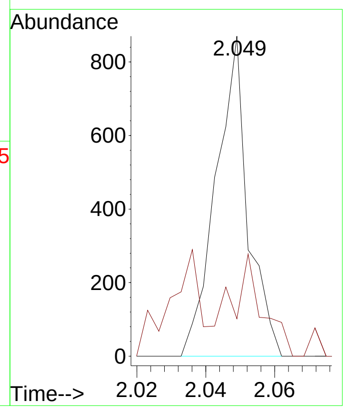
#17
tert-Butyl alcohol
Concen: 0.043 ppbv
RT: 2.049 min Scan# 6

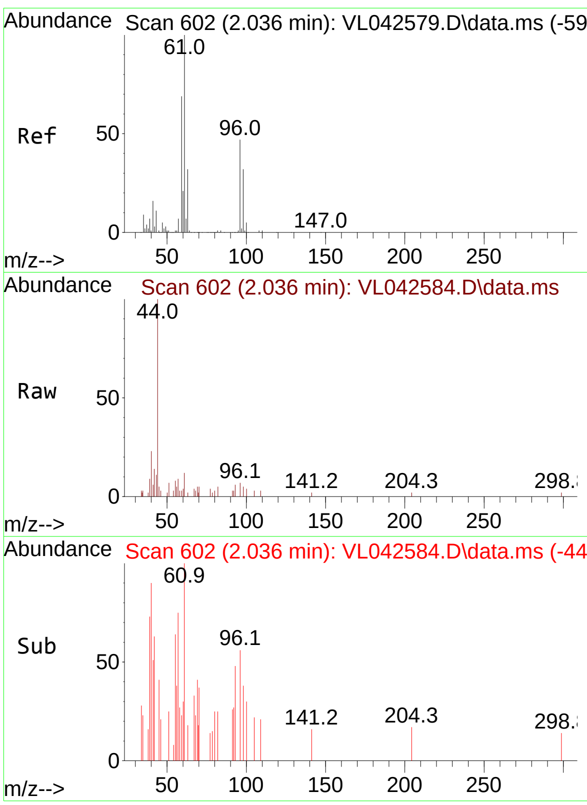
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.006 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 59 Resp: 560

Ion	Ratio	Lower	Upper
59	100		
57	66.8	8.6	12.8#

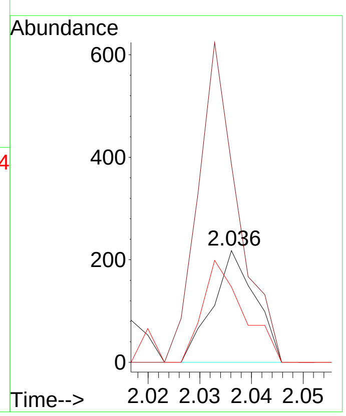


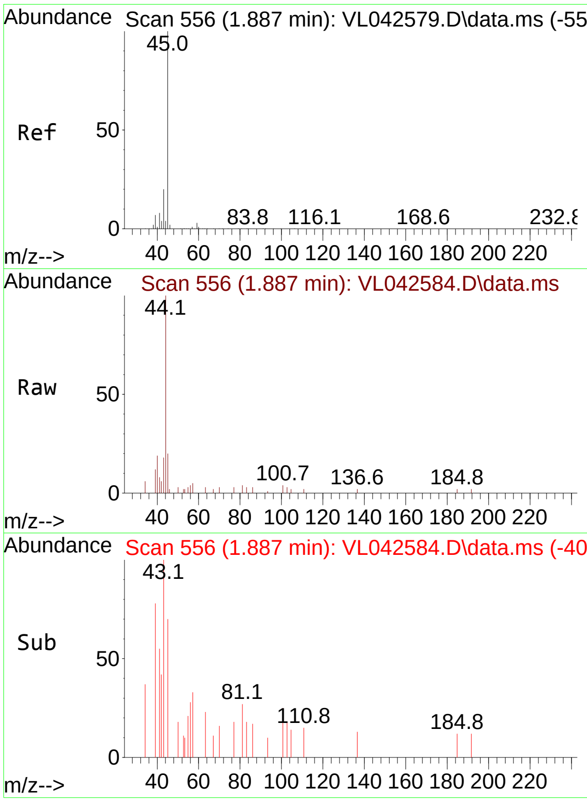


#18
1,1-Dichloroethene
Concen: 0.029 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 96 Resp: 125

Ion	Ratio	Lower	Upper
96	100		
61	177.1	171.1	256.7
98	67.4	54.4	81.6



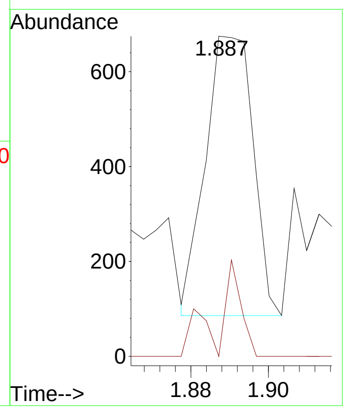


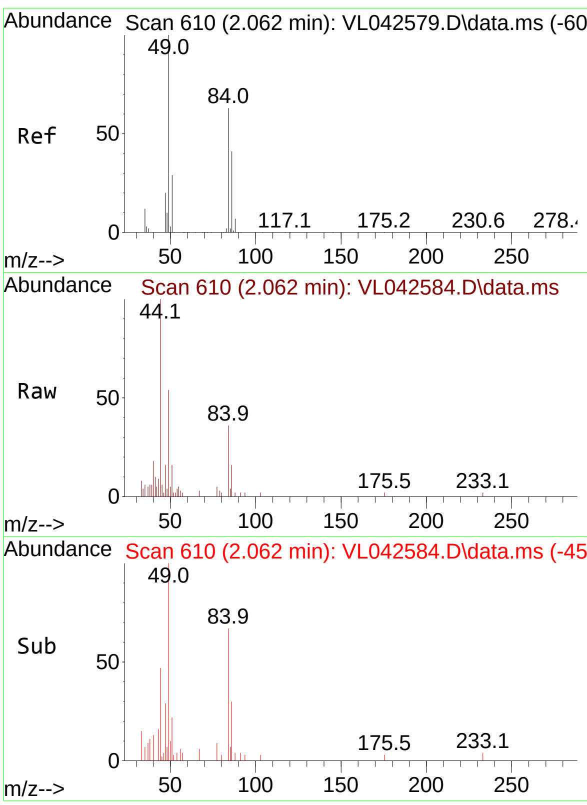
#19
Isopropyl Alcohol
Concen: 0.068 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 503

Ion	Ratio	Lower	Upper
45	100		
58	17.7	29.4	44.2#

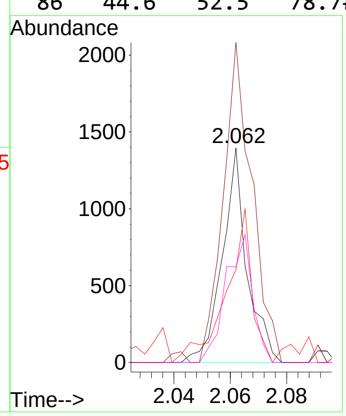


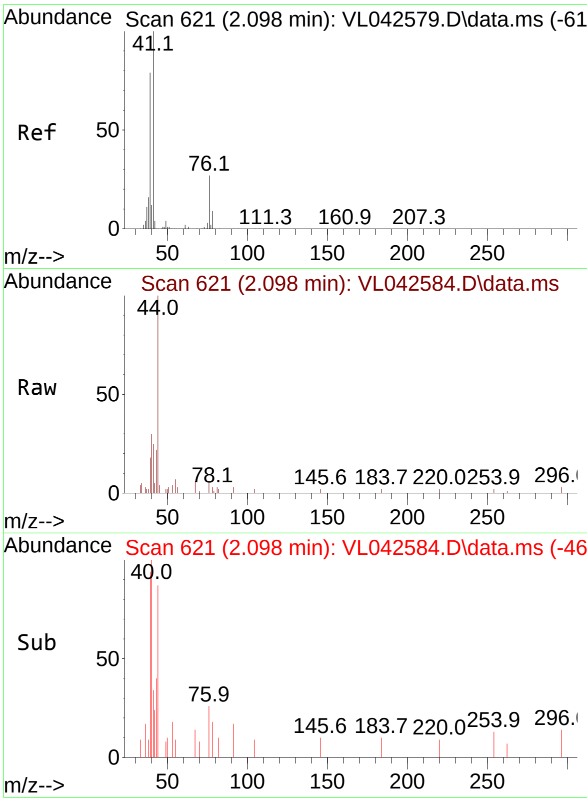


#20
Methylene Chloride
Concen: 0.207 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 84 Resp: 848

Ion	Ratio	Lower	Upper
84	100		
49	149.1	128.8	193.2
51	39.4	38.6	57.8
86	44.6	52.5	78.7#



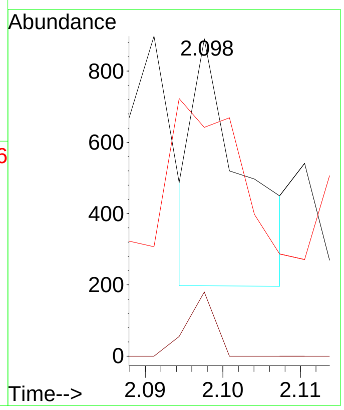


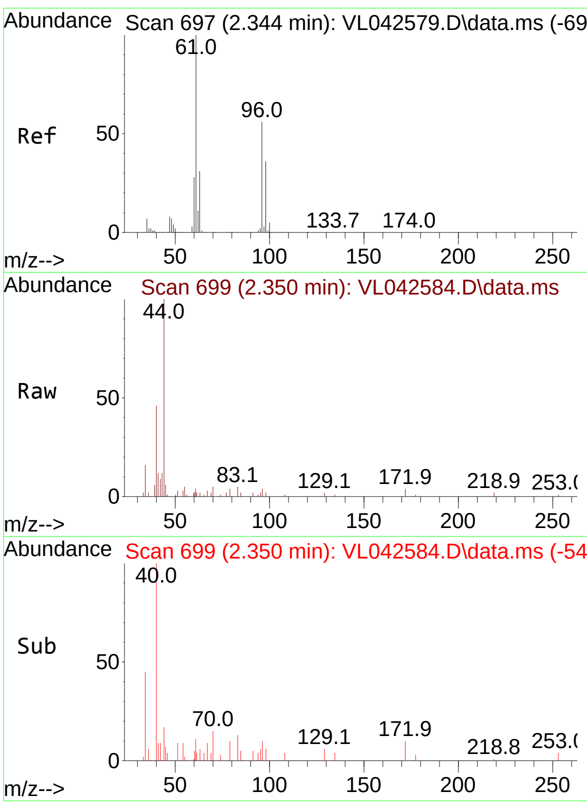
#21
Allyl Chloride
Concen: 0.035 ppbv
RT: 2.098 min Scan# 621
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 304

Ion	Ratio	Lower	Upper
41	100		
76	15.1	21.2	31.8#
39	315.8	60.9	91.3#

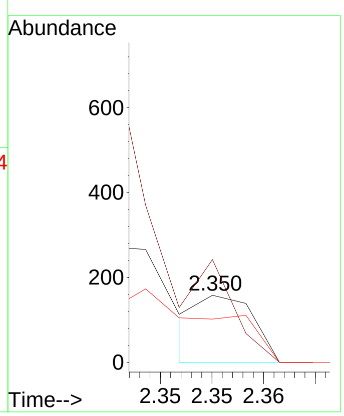


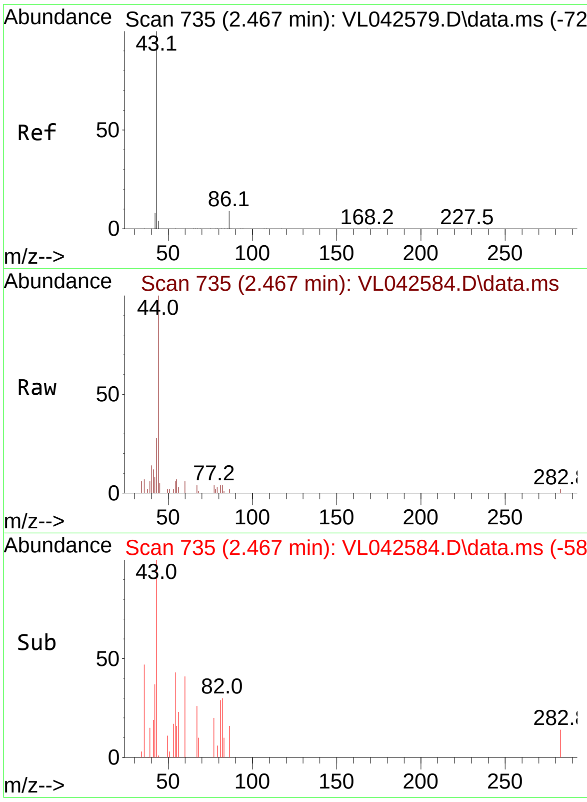


#22
trans-1,2-Dichloroethene
Concen: 0.012 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.006 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 96 Resp: 58

Ion	Ratio	Lower	Upper
96	100		
61	153.2	142.6	214.0
98	64.6	51.0	76.4



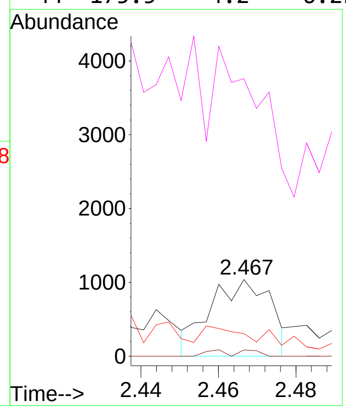


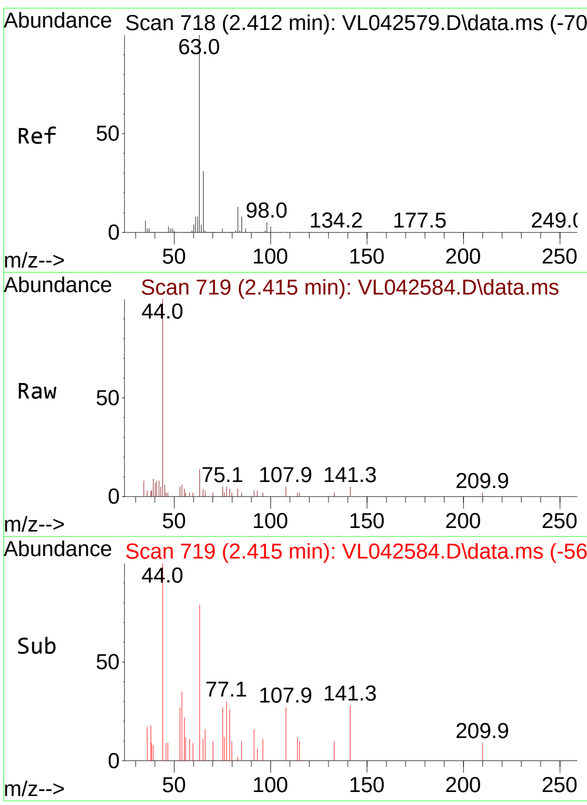
#23
Vinyl Acetate
Concen: 0.067 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1120

Ion	Ratio	Lower	Upper
43	100		
86	12.3	6.6	9.8#
42	22.8	7.0	10.4#
44	175.5	4.2	6.2#

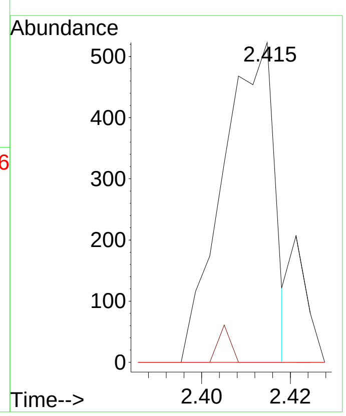


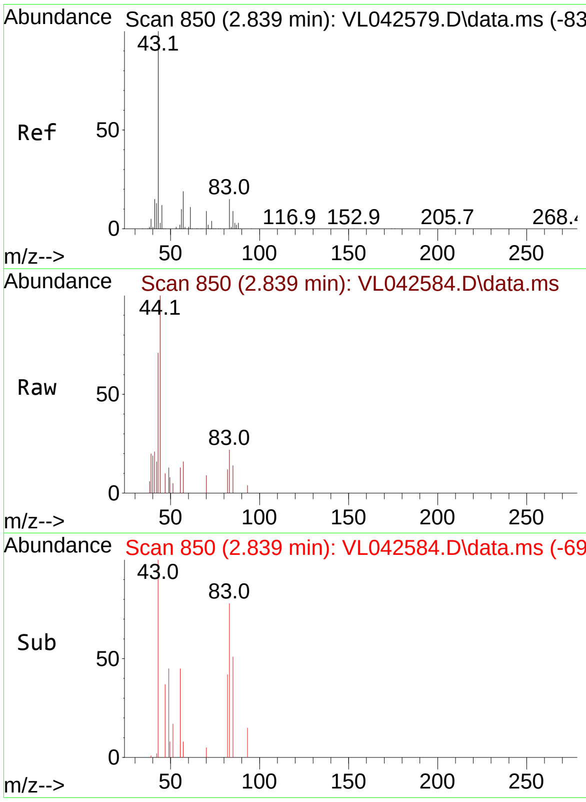


#24
1,1-Dichloroethane
Concen: 0.043 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 63 Resp: 424

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.1#
100	0.0	1.4	4.0#



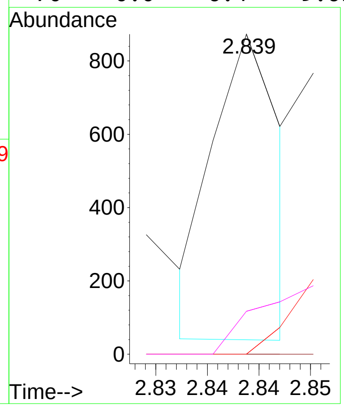


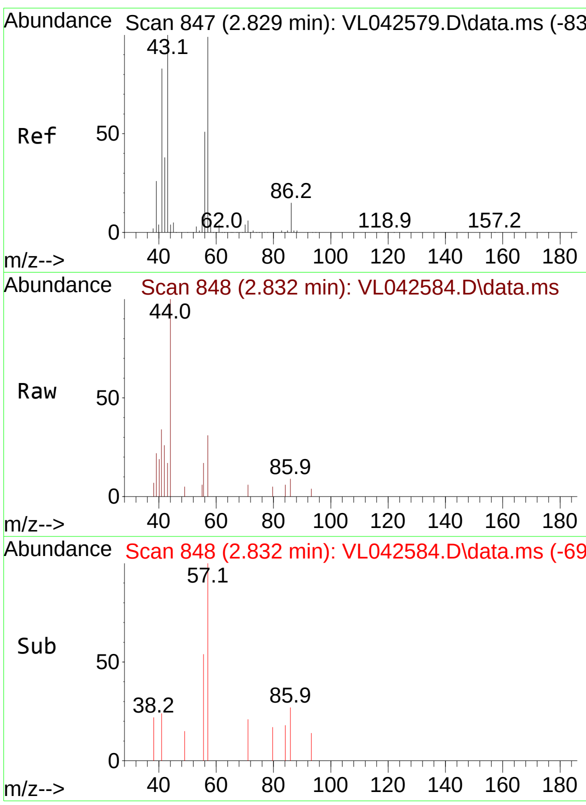
#25
Ethyl Acetate
Concen: 0.011 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 380

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.0	7.1	10.7#
70	0.0	6.4	9.6#

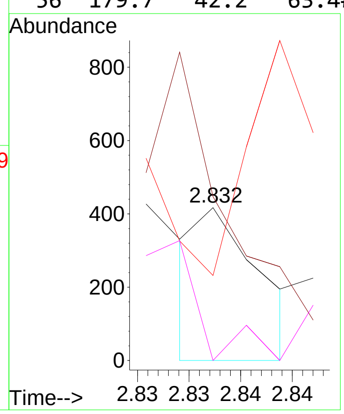




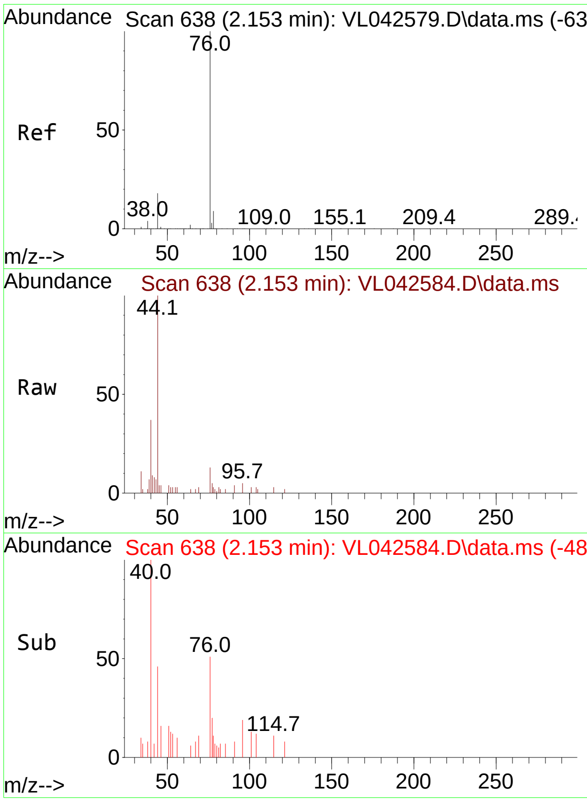
#26
Hexane
Concen: 0.011 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 57 Resp: 172

Ion	Ratio	Lower	Upper
57	100		
41	509.9	70.6	106.0#
43	0.0	181.1	271.7#
56	179.7	42.2	63.4#



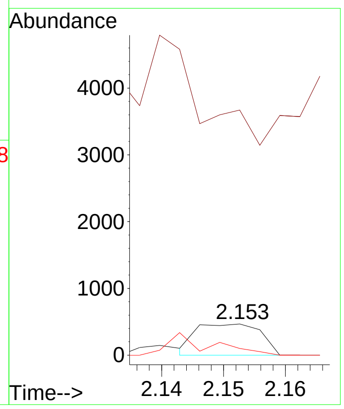
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

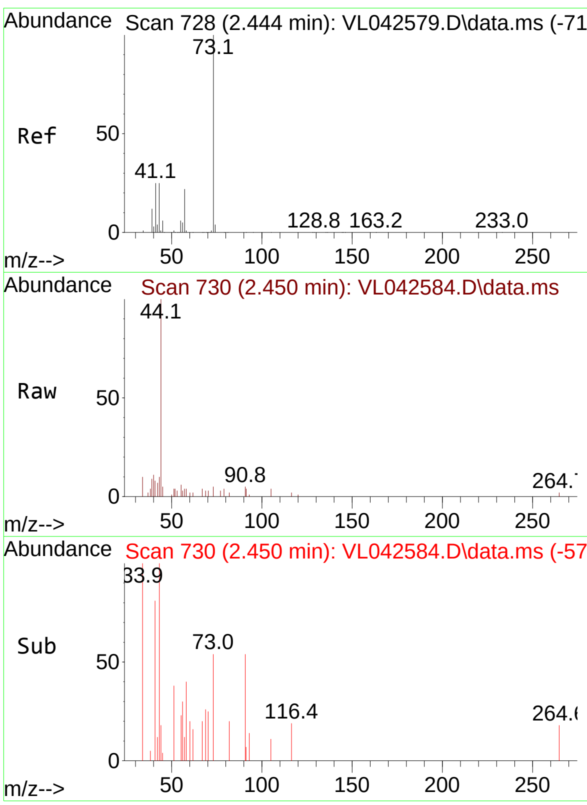


#27
Carbon Disulfide
Concen: 0.029 ppbv
RT: 2.153 min   Scan# 6
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 76 Resp: 340

Ion	Ratio	Lower	Upper
76	100		
44	1236.8	21.3	31.9#
78	0.0	9.4	14.0#

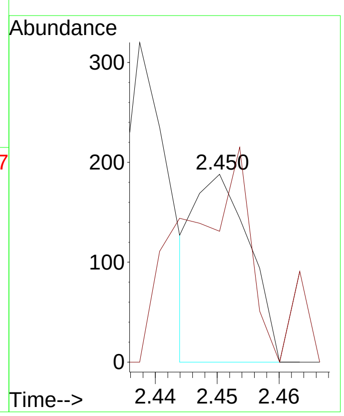


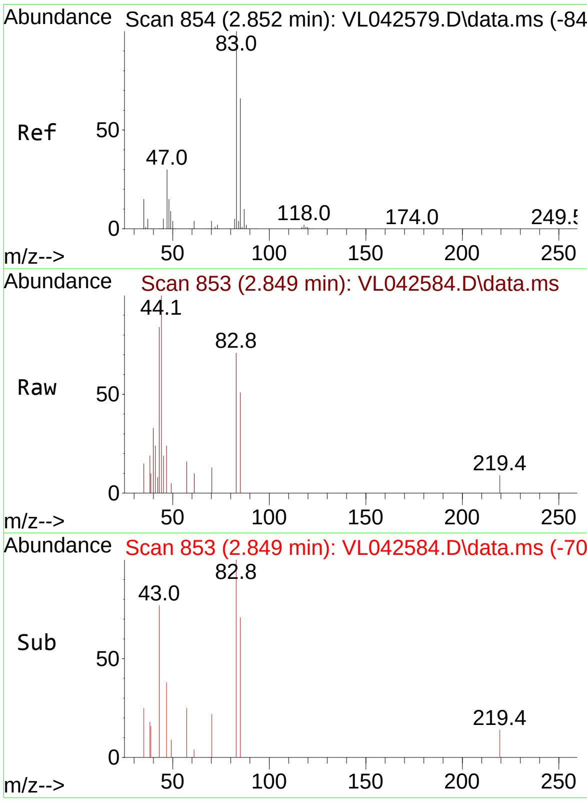


#28
Methyl tert-Butyl Ether
Concen: 0.019 ppbv
RT: 2.450 min   Scan# 730
Delta R.T.   0.006 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 73 Resp: 116

Ion	Ratio	Lower	Upper
73	100		
57	147.4	19.9	29.9#



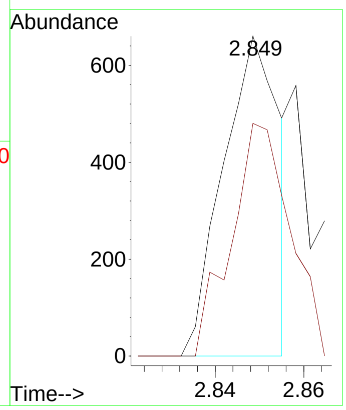


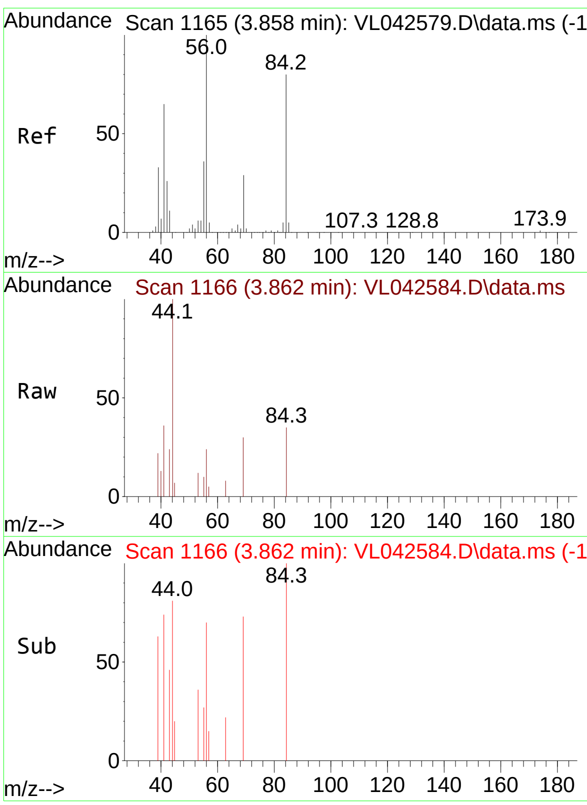
#29
Chloroform
Concen: 0.029 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 577

Ion	Ratio	Lower	Upper
83	100		
85	72.7	52.8	79.2

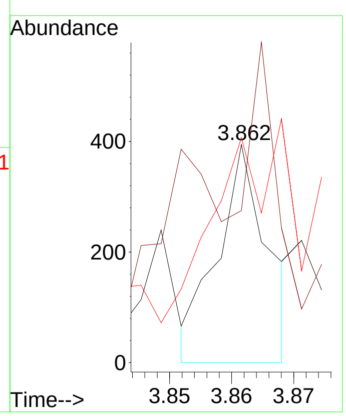


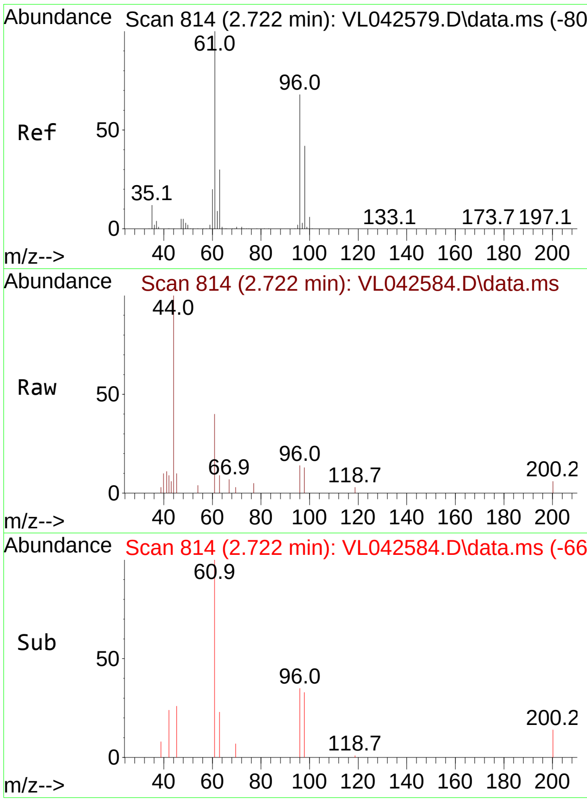


#30
Cyclohexane
Concen: 0.017 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 84 Resp: 220

Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.7	155.5#
41	0.0	65.1	97.7#





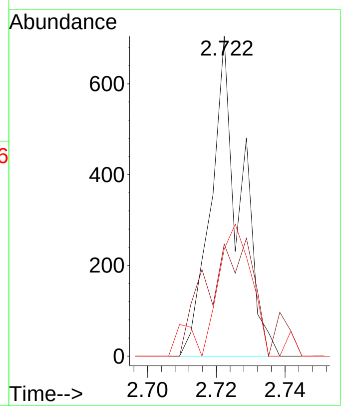
#31
cis-1,2-Dichloroethene
Concen: 0.030 ppbv
RT: 2.722 min Scan# 81

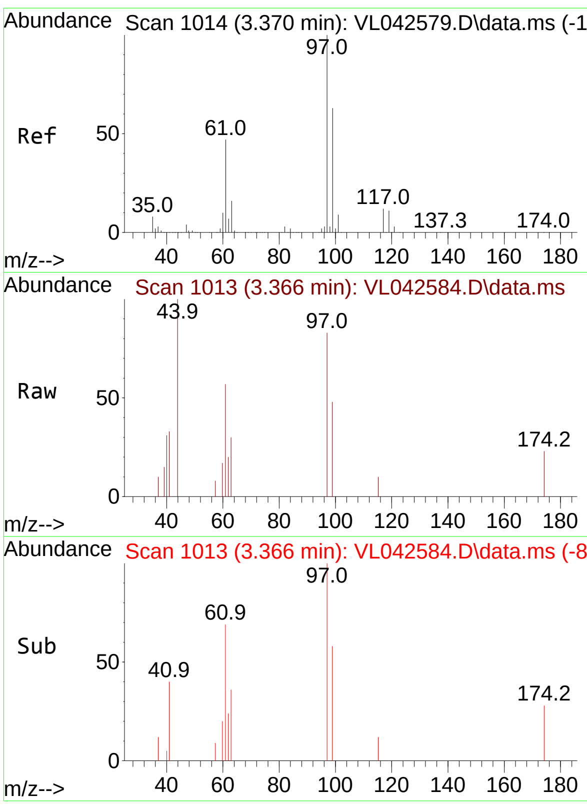
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 61 Resp: 424

Ion	Ratio	Lower	Upper
61	100		
96	35.0	54.5	81.7#
98	33.5	33.4	50.2

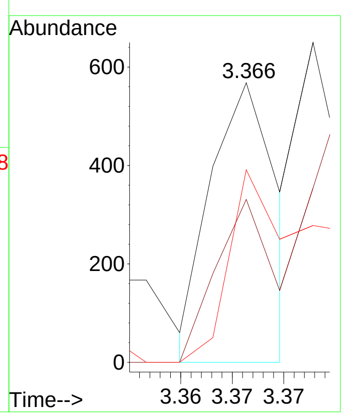


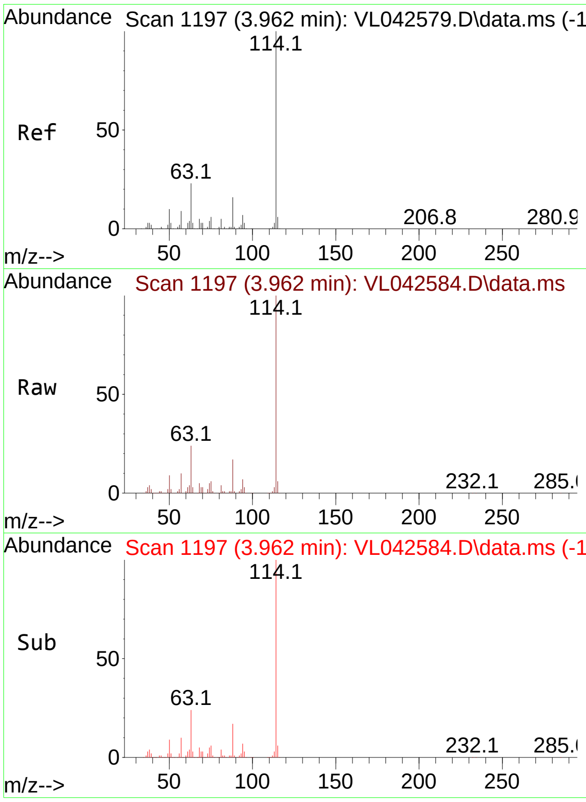


#32
1,1,1-Trichloroethane
Concen: 0.013 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 97 Resp: 255

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	149.0	39.4	59.0#



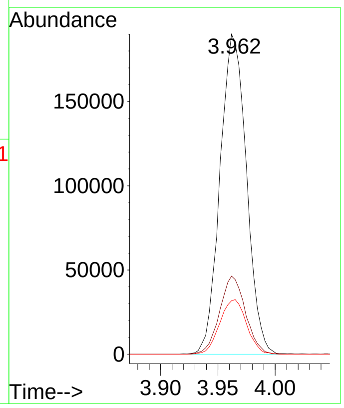


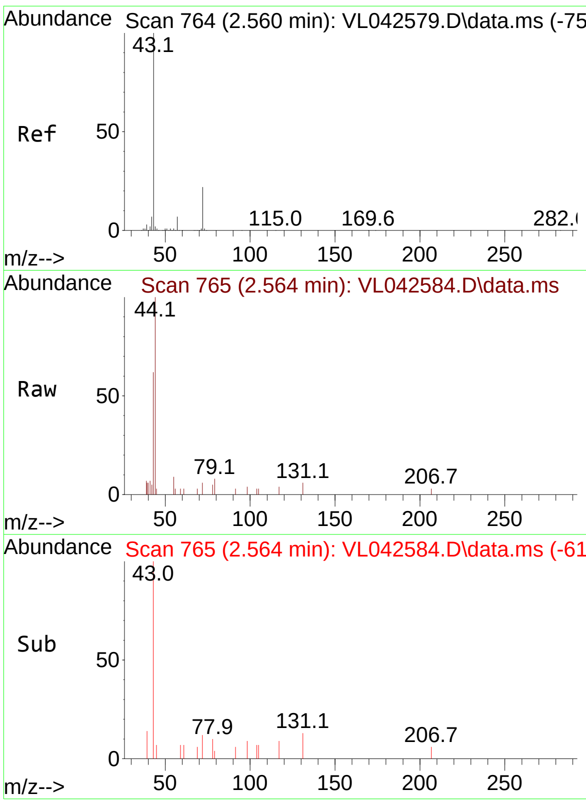
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 305114

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.0	28.6
88	17.2	13.6	20.4

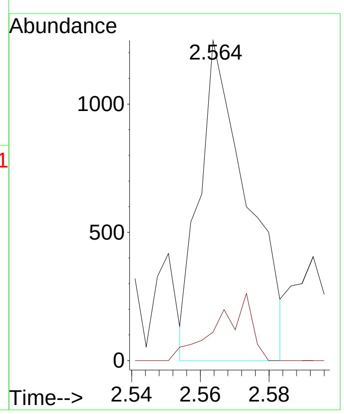


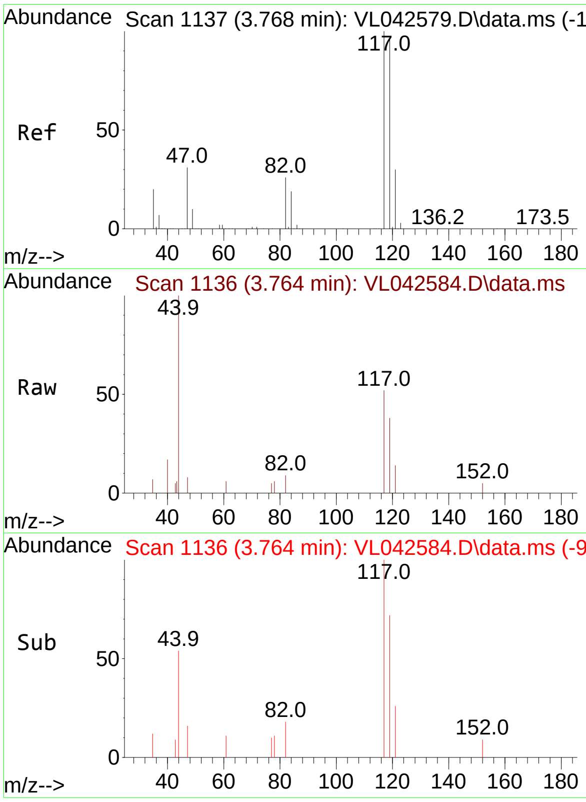


#34
2-Butanone
Concen: 0.055 ppbv
RT: 2.564 min   Scan# 765
Delta R.T.   0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 43 Resp: 1204

Ion	Ratio	Lower	Upper
43	100		
72	15.3	17.7	26.5#



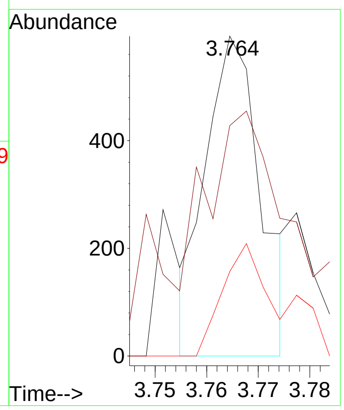


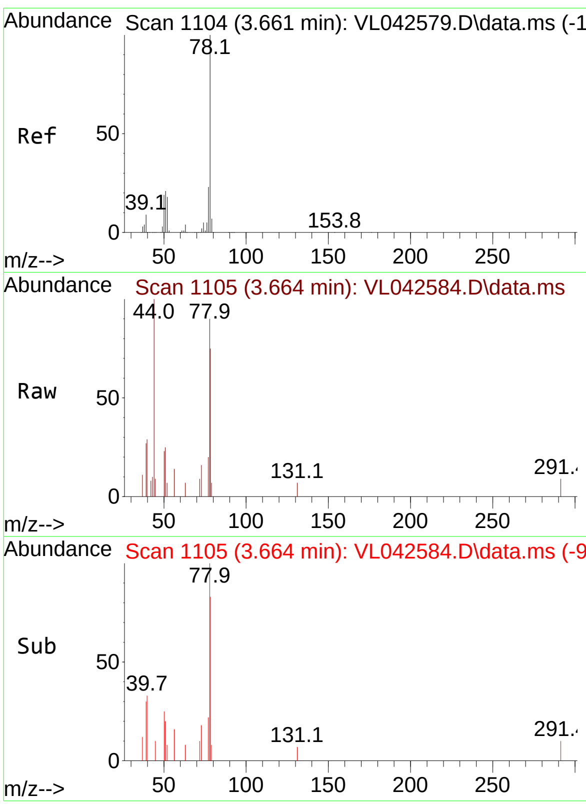
#35
Carbon Tetrachloride
Concen: 0.022 ppbv
RT: 3.764 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 442

Ion	Ratio	Lower	Upper
117	100		
119	71.4	76.8	115.2#
121	36.5	24.3	36.5#

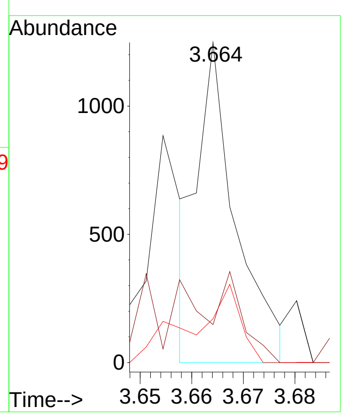


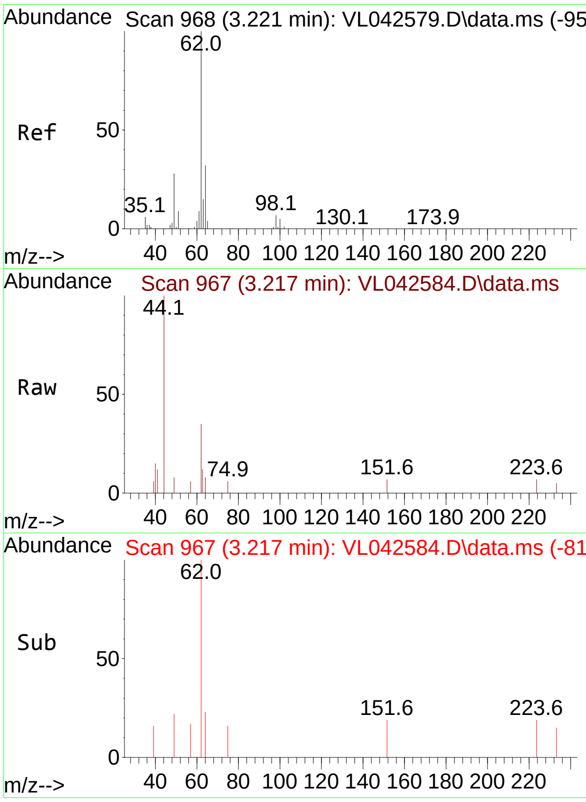


#36
Benzene
Concen: 0.021 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 78 Resp: 641

Ion	Ratio	Lower	Upper
78	100		
77	13.4	18.2	27.2#
50	32.7	15.2	22.8#



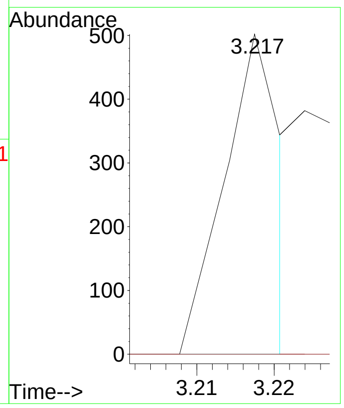


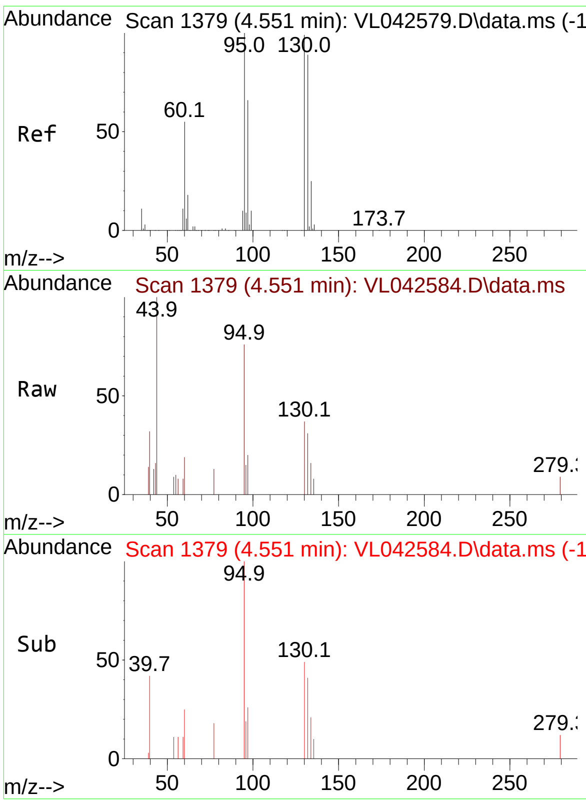
#37
1,2-Dichloroethane
Concen: 0.017 ppbv
RT: 3.217 min   Scan# 9
Delta R.T.   -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 253

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.1	9.1#

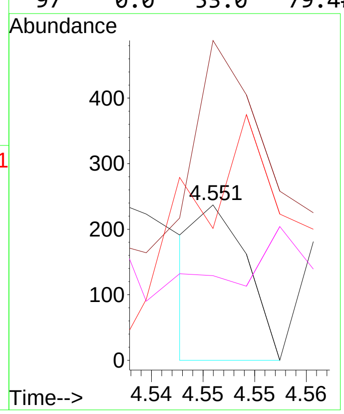


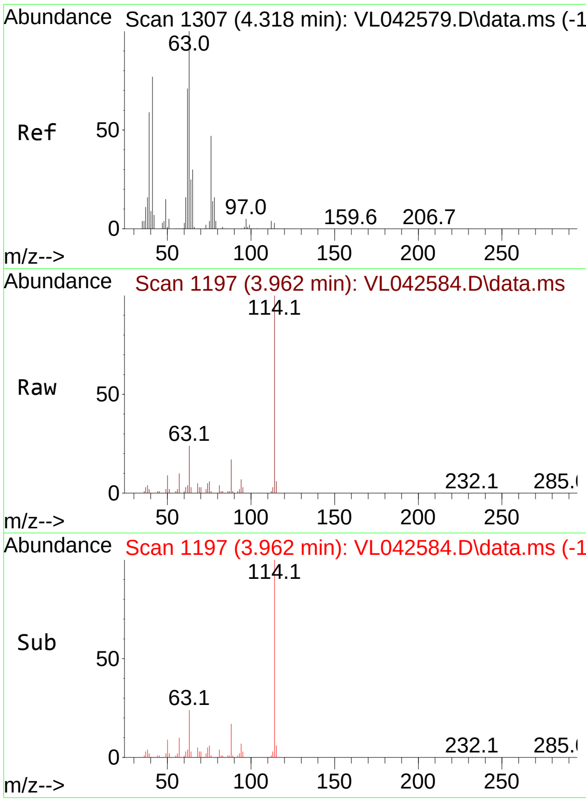


#38
Trichloroethene
Concen: 0.006 ppbv
RT: 4.551 min   Scan# 1379
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion:130 Resp: 77

Ion	Ratio	Lower	Upper
130	100		
95	114.3	80.6	121.0
132	0.0	71.8	107.6#
97	0.0	53.0	79.4#





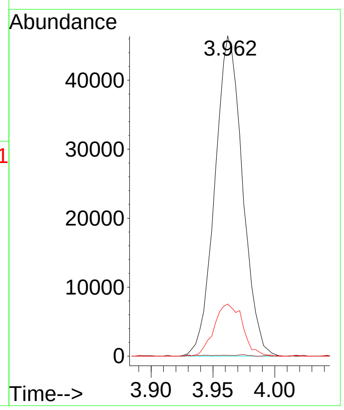
#39
1,2-Dichloropropane
Concen: 6.532 ppbv
RT: 3.962 min   Scan# 1

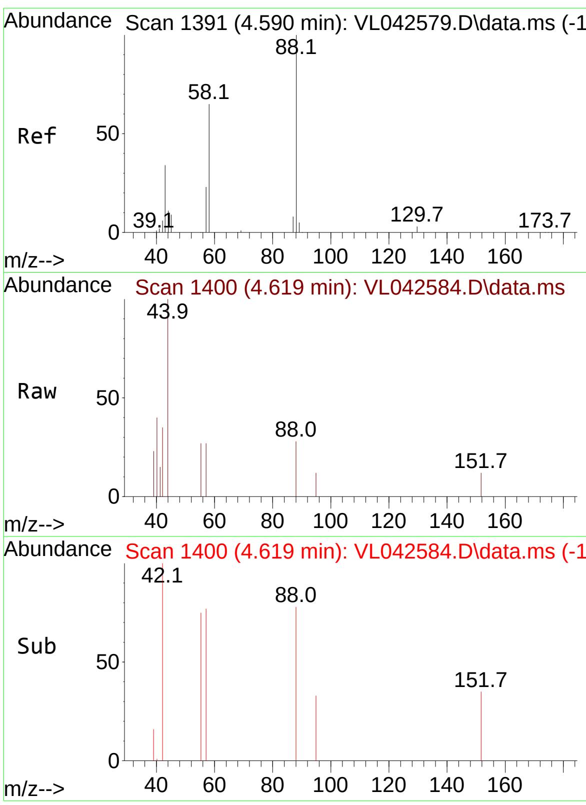
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T.   -0.356 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 63 Resp: 72547

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.8	92.6#
62	16.3	56.6	85.0#

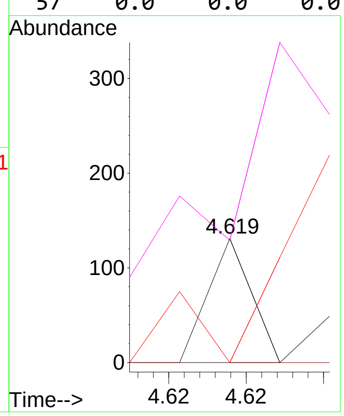


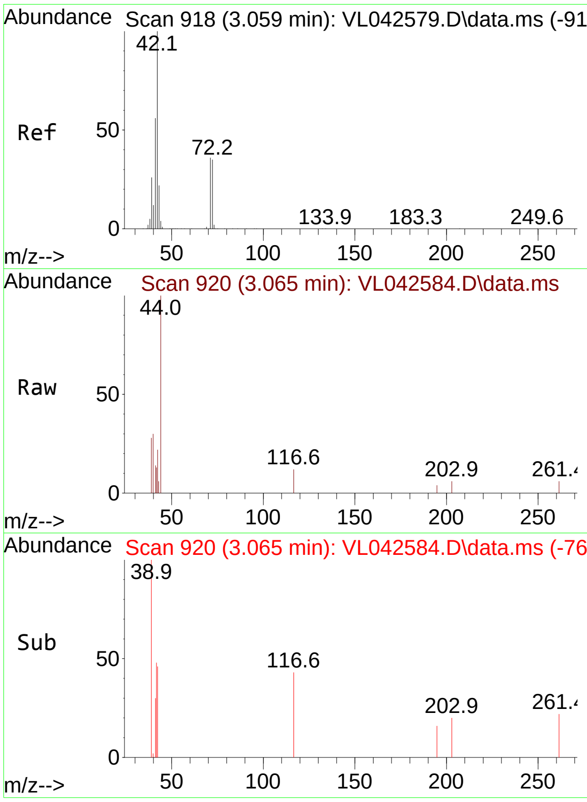


#40
1,4-Dioxane
Concen: 0.005 ppbv
RT: 4.619 min   Scan# 1400
Delta R.T.   0.029 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 88 Resp: 25

Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8#
43	304.0	24.8	37.2#
57	0.0	0.0	0.0



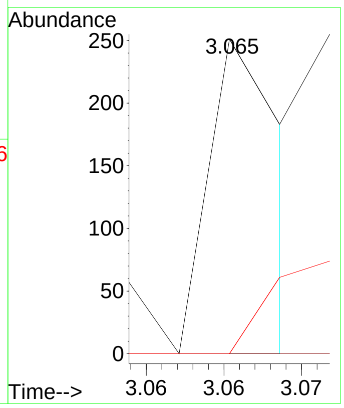


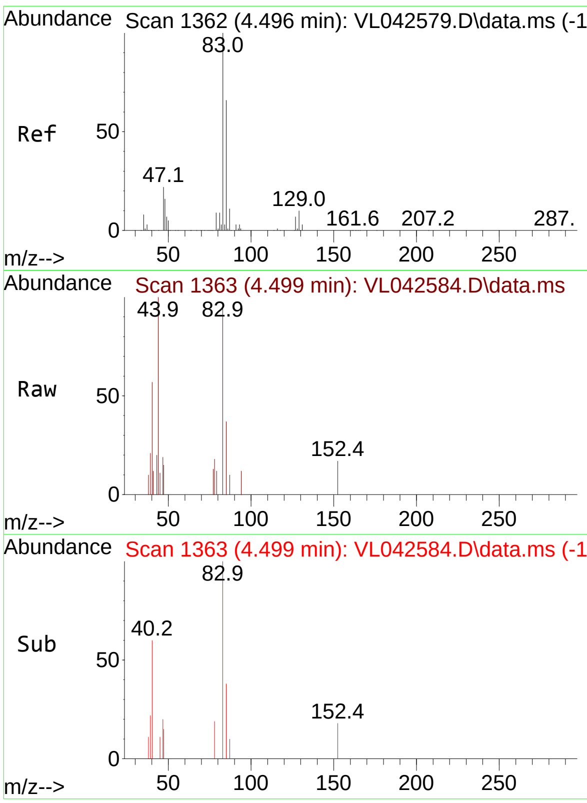
#41
Tetrahydrofuran
Concen: 0.007 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 84

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	28.5	42.7#

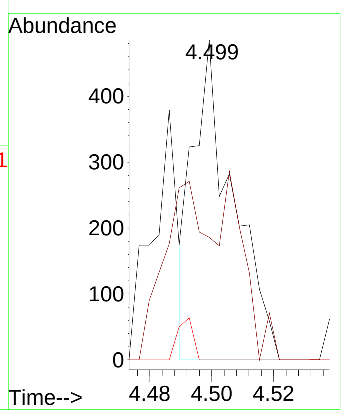


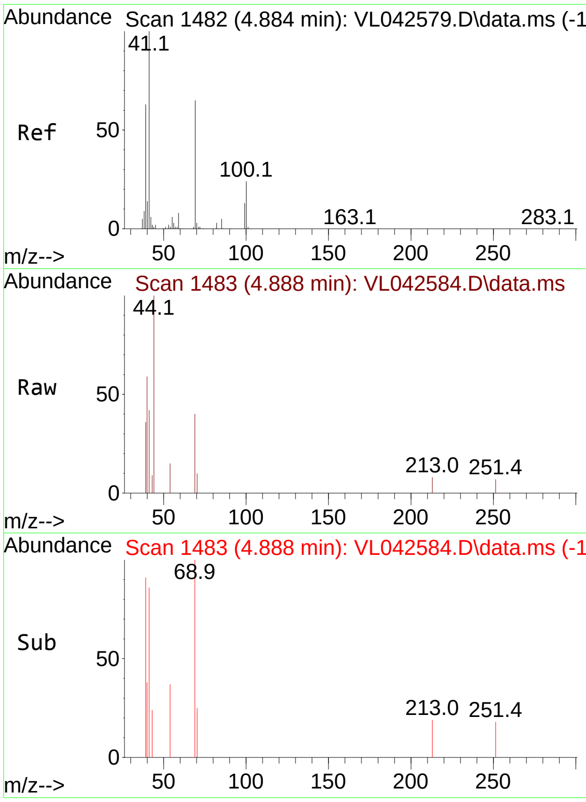


#42
Bromodichloromethane
Concen: 0.020 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 83 Resp: 434

Ion	Ratio	Lower	Upper
83	100		
85	38.4	52.7	79.1#
127	0.0	5.8	8.6#





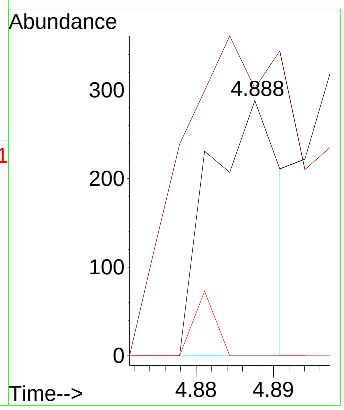
#43
Methyl Methacrylate
Concen: 0.016 ppbv
RT: 4.888 min Scan# 14

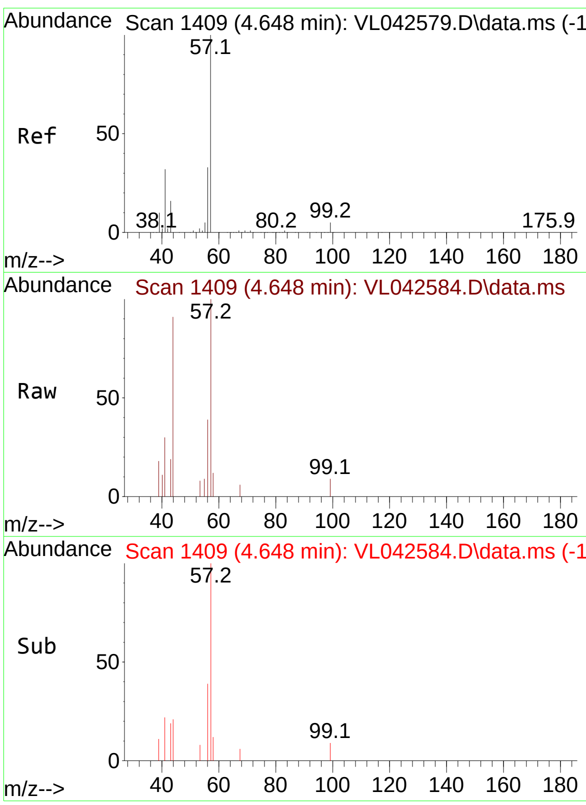
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 69 Resp: 182

Ion	Ratio	Lower	Upper
69	100		
41	58.8	124.6	187.0#
100	7.7	29.9	44.9#

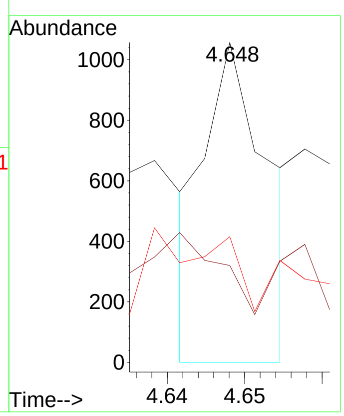


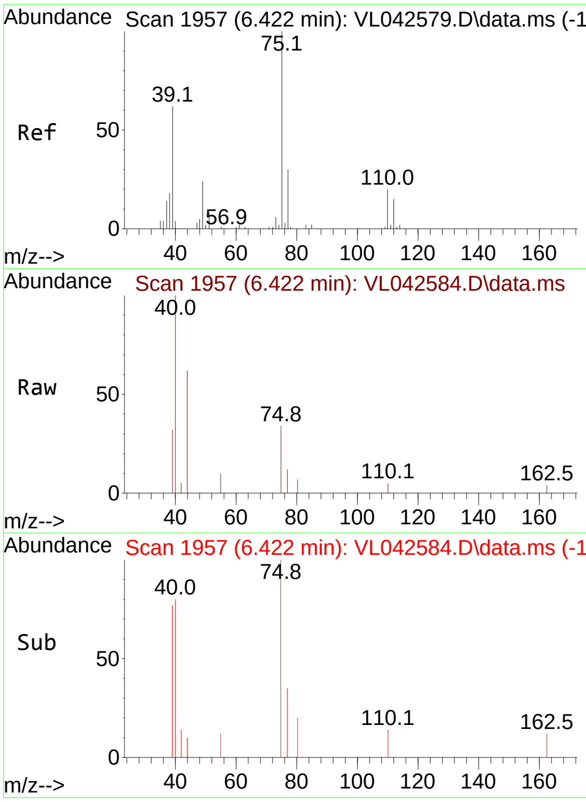


#44
2,2,4-Trimethylpentane
Concen: 0.012 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 57 Resp: 596

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	25.9	38.9#



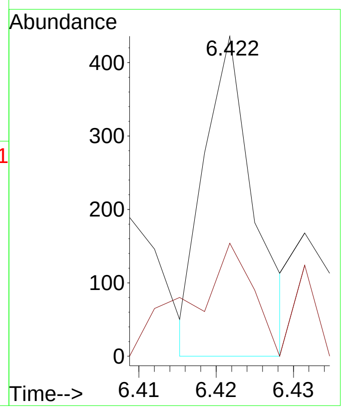


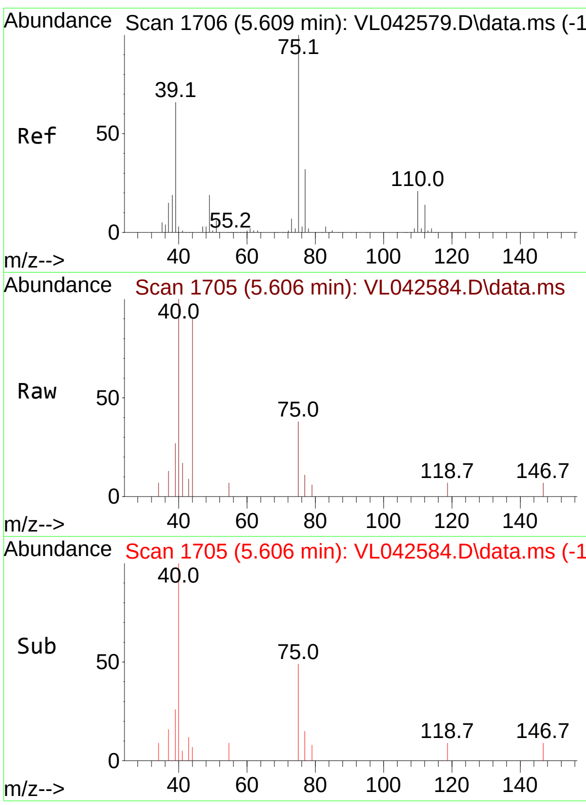
#45
t-1,3-Dichloropropene
Concen: 0.015 ppbv
RT: 6.422 min   Scan# 19
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 196

Ion	Ratio	Lower	Upper
75	100		
77	35.3	24.2	36.2

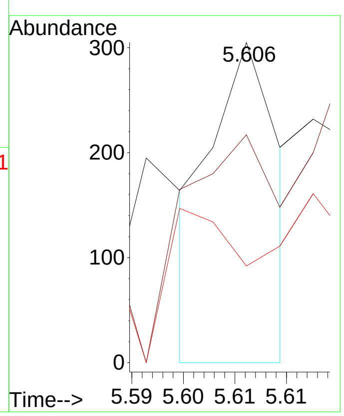


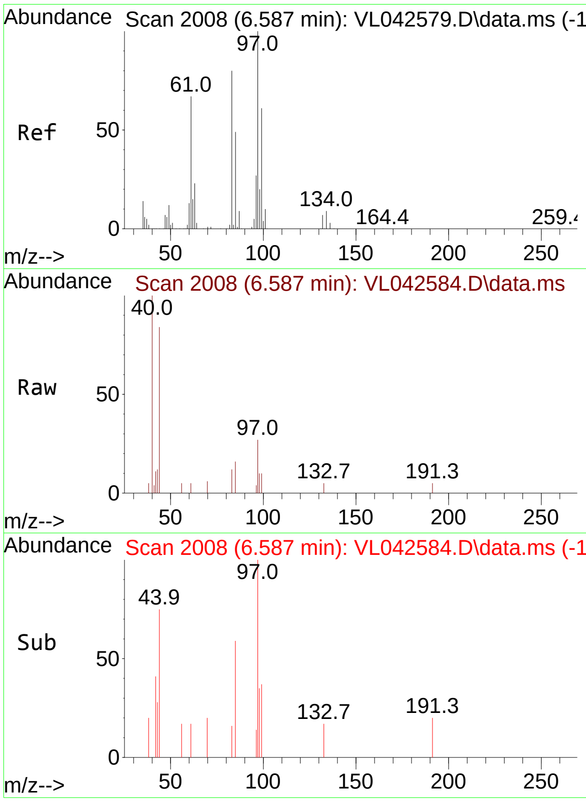


#46
cis-1,3-Dichloropropene
Concen: 0.008 ppbv
RT: 5.606 min   Scan# 1705
Delta R.T.   -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 75 Resp: 139

Ion	Ratio	Lower	Upper
75	100		
39	48.9	52.7	79.1#
77	0.0	25.8	38.8#





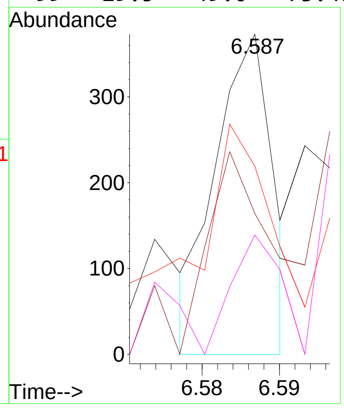
#47
1,1,2-Trichloroethane
Concen: 0.017 ppbv
RT: 6.587 min Scan# 20

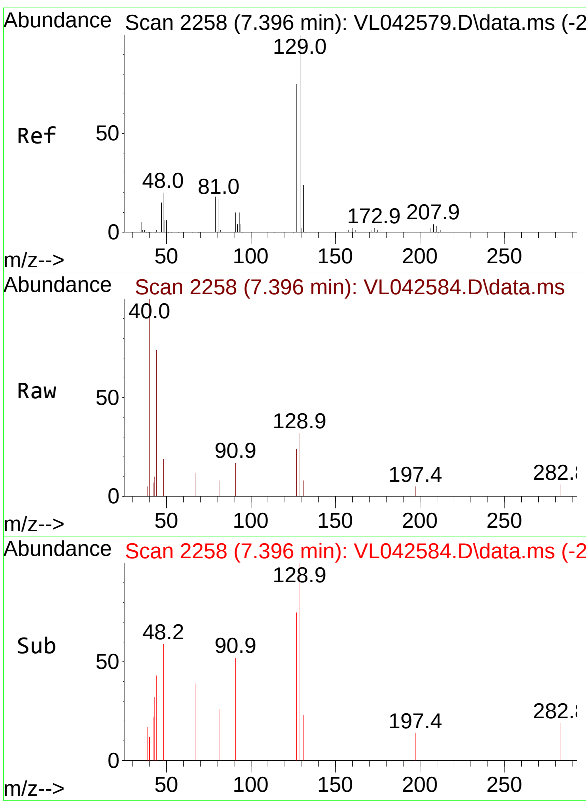
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 97 Resp: 192

Ion	Ratio	Lower	Upper
97	100		
83	59.0	63.9	95.9#
85	38.5	39.2	58.8#
99	29.5	49.0	73.4#

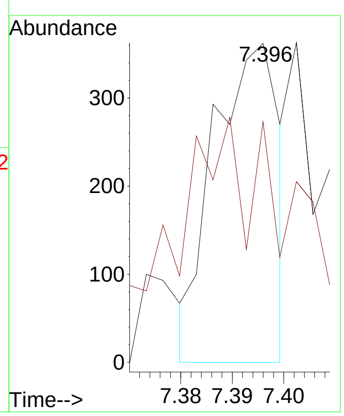


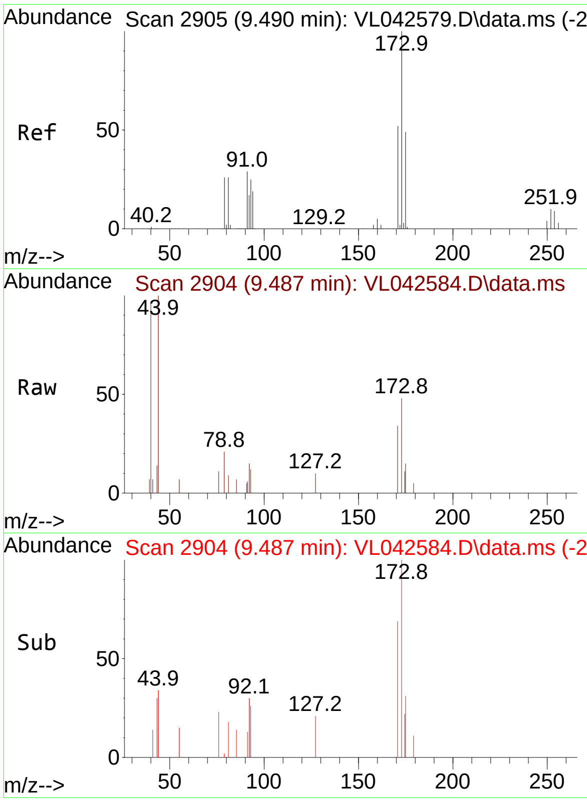


#48
Dibromochloromethane
Concen: 0.017 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:129 Resp: 318

Ion	Ratio	Lower	Upper
129	100		
127	135.5	39.0	116.9#



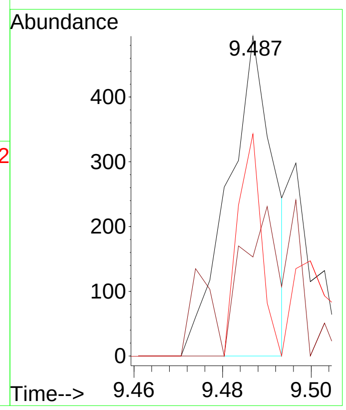


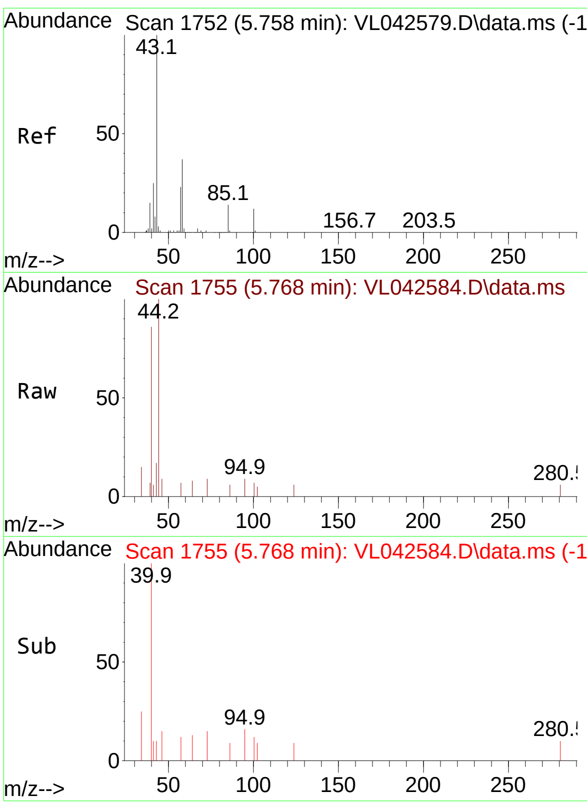
#49
Bromoform
Concen: 0.022 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:173 Resp: 353

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.7	58.1#
171	61.2	41.2	61.8

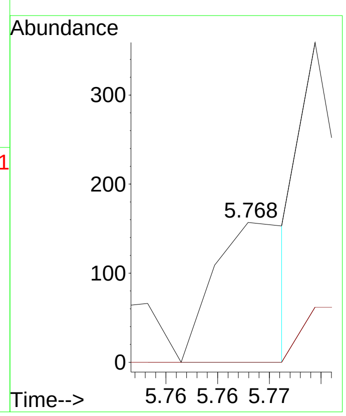


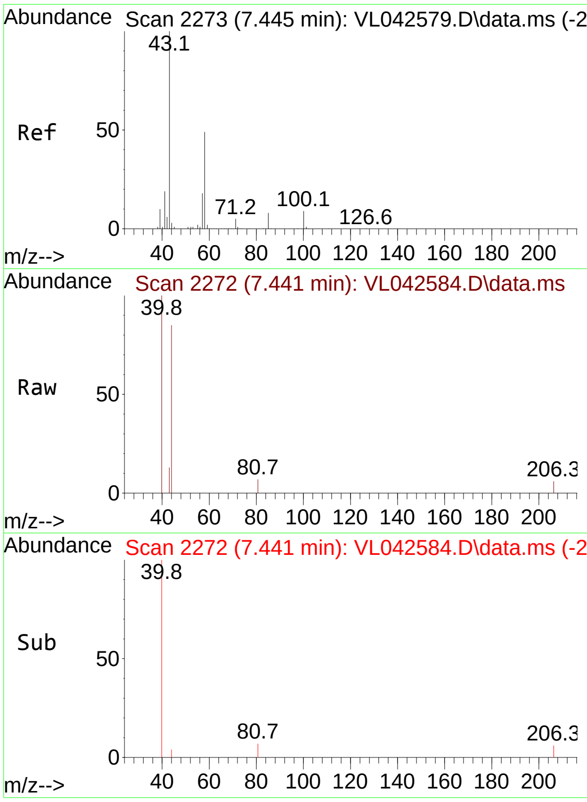


#50
4-Methyl-2-Pentanone
Concen: 0.003 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.010 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 43 Resp: 81

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.3	42.5#



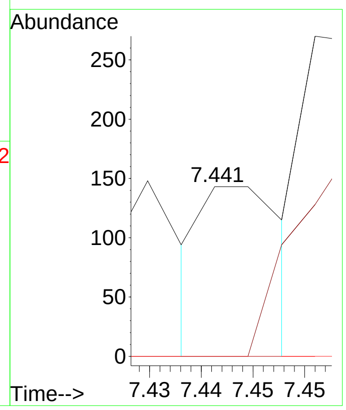


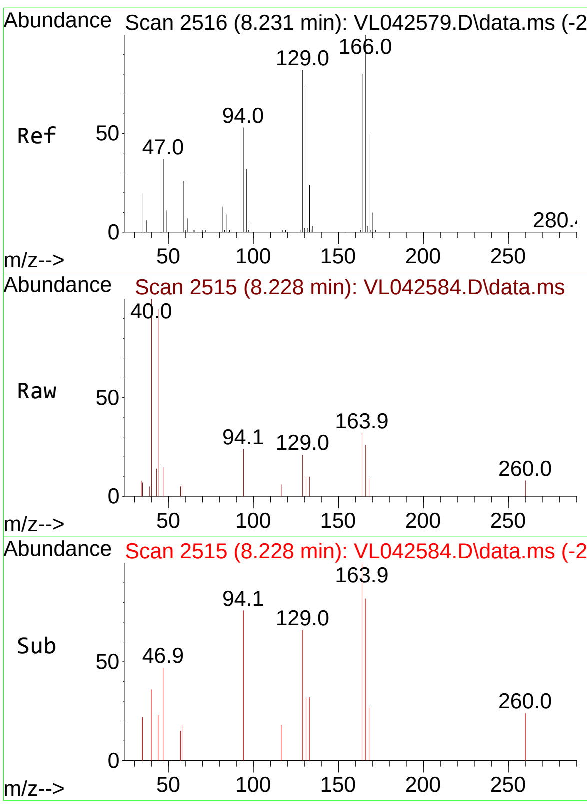
#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.441 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 78

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.9	59.9#
98	0.0	0.1	0.1#

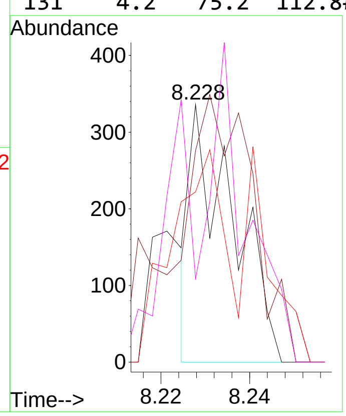


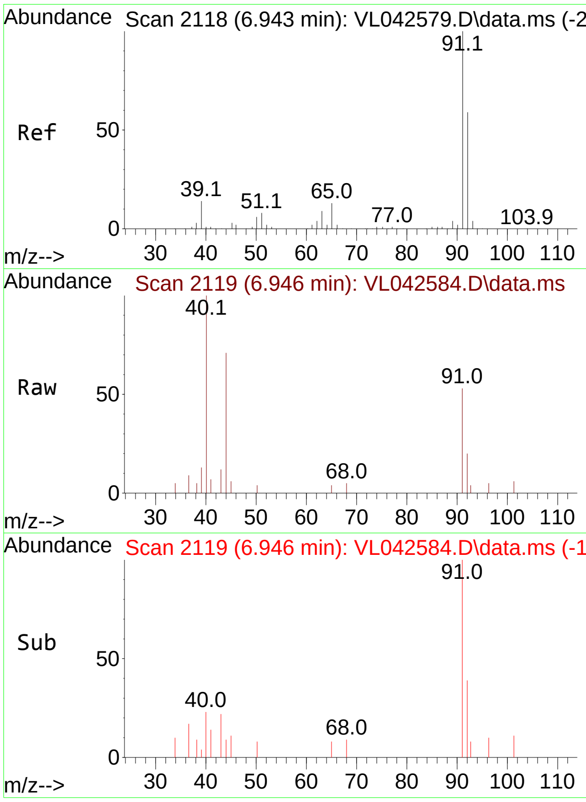


#52
Tetrachloroethene
Concen: 0.020 ppbv
RT: 8.228 min   Scan# 2515
Delta R.T.   -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:164 Resp: 227

Ion	Ratio	Lower	Upper
164	100		
166	50.0	100.0	150.0#
129	40.2	82.2	123.4#
131	4.2	75.2	112.8#



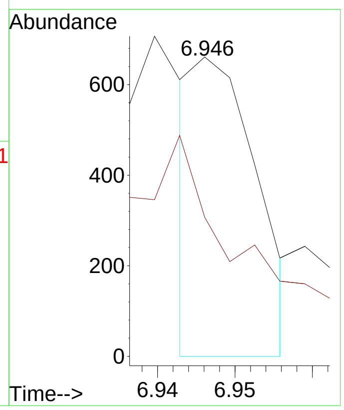


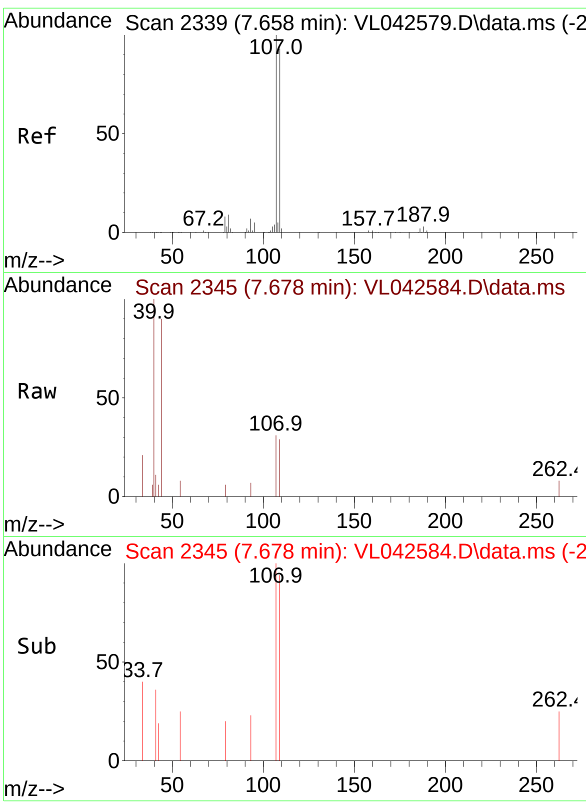
#53
Toluene
Concen: 0.011 ppbv
RT: 6.946 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 372

Ion	Ratio	Lower	Upper
91	100		
92	199.5	48.2	72.4#

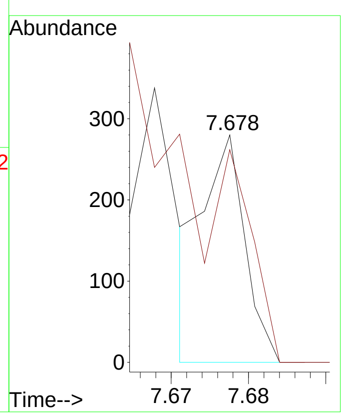


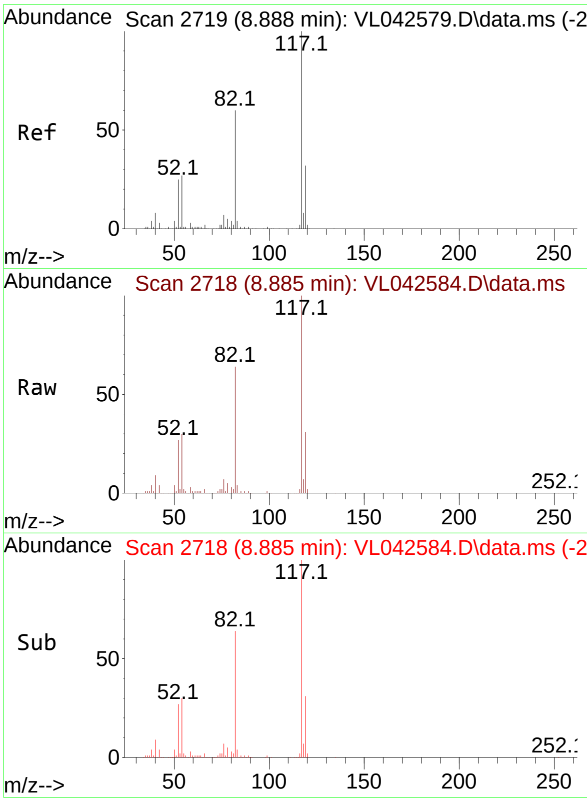


#54
1,2-Dibromoethane
Concen: 0.006 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.019 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:107 Resp: 104

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.3	111.5



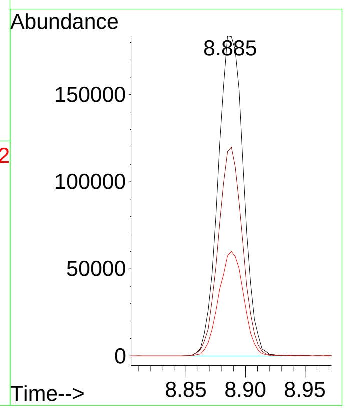


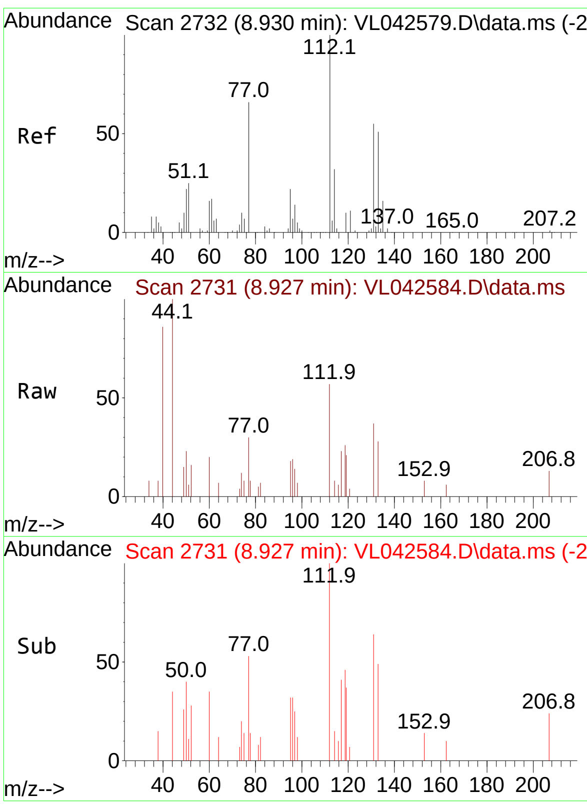
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 273881

Ion	Ratio	Lower	Upper
117	100		
82	62.2	51.2	76.8
119	32.2	26.3	39.5

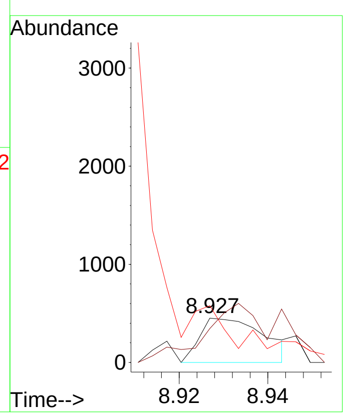


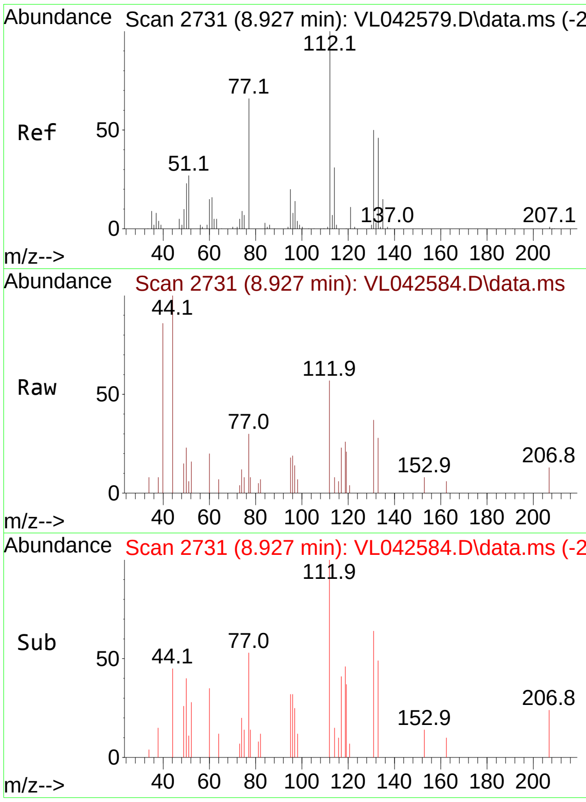


#56
1,1,1,2-Tetrachloroethane
Concen: 0.033 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:131 Resp: 451

Ion	Ratio	Lower	Upper
131	100		
133	165.6	75.0	112.6#
119	0.0	50.8	76.2#



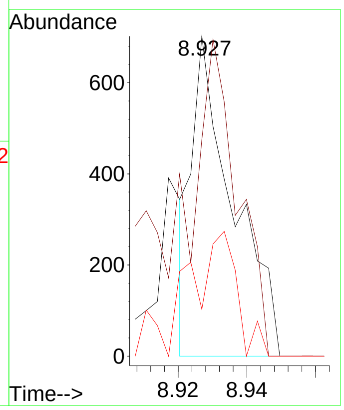


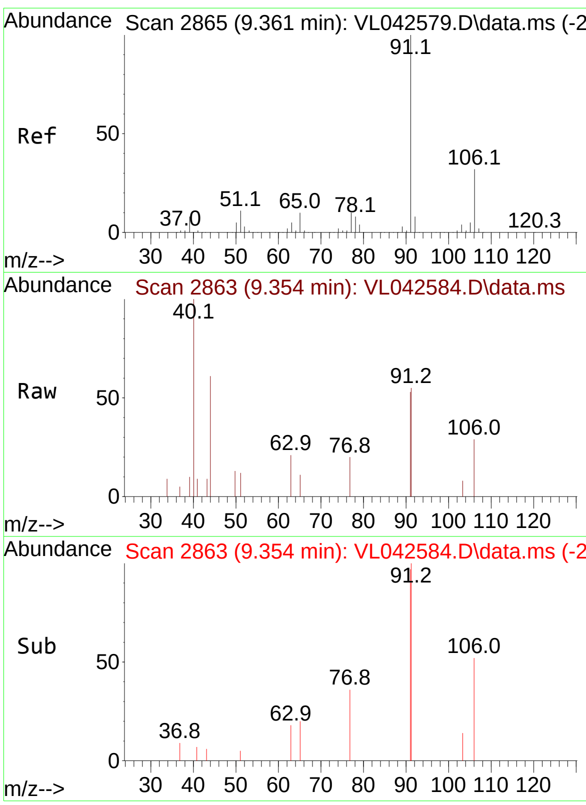
#57
Chlorobenzene
Concen: 0.022 ppbv
RT: 8.927 min   Scan# 2
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 585

Ion	Ratio	Lower	Upper
112	100		
77	67.7	53.5	80.3
114	14.7	27.8	34.0#

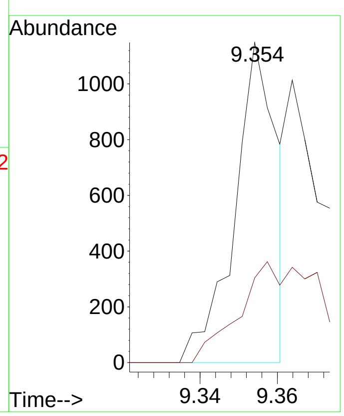


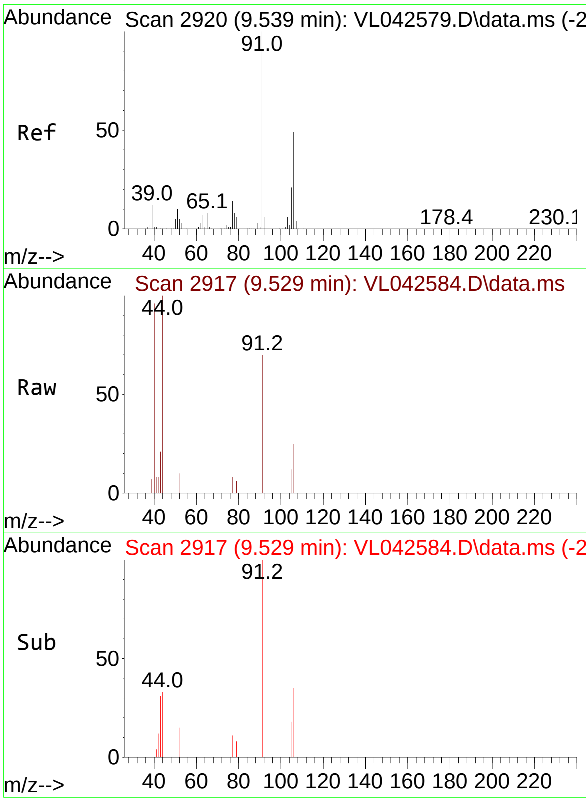


#58
Ethyl Benzene
Concen: 0.019 ppbv
RT: 9.354 min   Scan# 2863
Delta R.T.   -0.006 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion: 91 Resp: 866

Ion	Ratio	Lower	Upper
91	100		
106	26.5	25.9	38.9

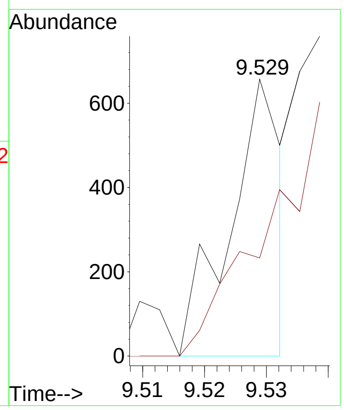


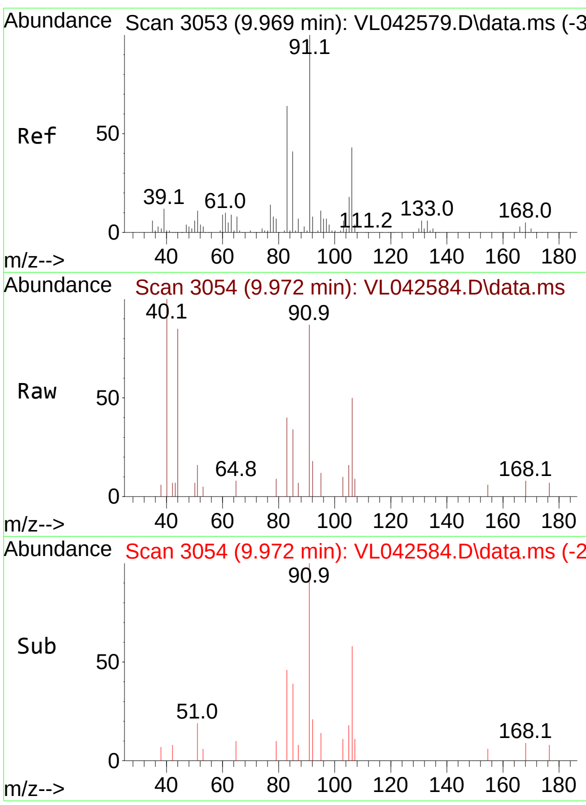



```
#59
m/p-Xylene
Concen:    0.010 ppbv
RT:   9.529 min  Scan# 29
Delta R.T.  -0.010 min
Lab File:   VL042584.D
Acq: 29 May 2025  13:51

Tgt Ion: 91 Resp:     382
Ion  Ratio  Lower  Upper
 91  100
106    0.0   38.8   58.2#
```

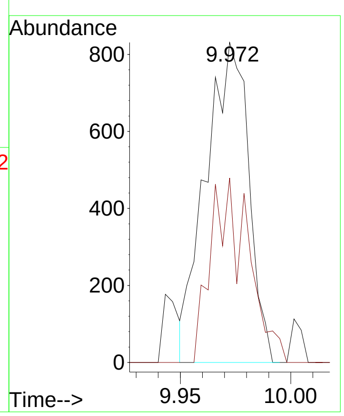
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

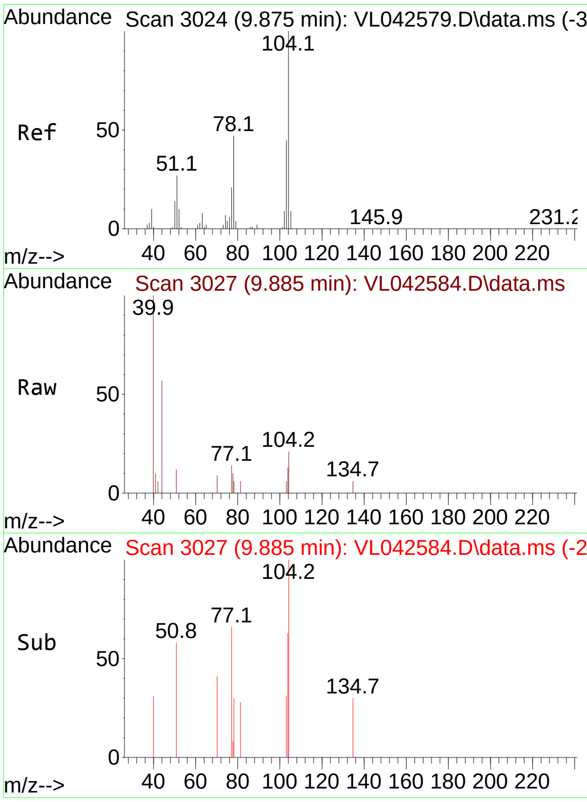





```
#60
o-Xylene
Concen:    0.031 ppbv
RT:   9.972 min  Scan# 3054
Delta R.T.  0.003 min
Lab File:   VL042584.D
Acq: 29 May 2025  13:51

Tgt Ion: 91 Resp:    1125
Ion  Ratio  Lower  Upper
 91  100
106   50.6   22.9   68.5
```





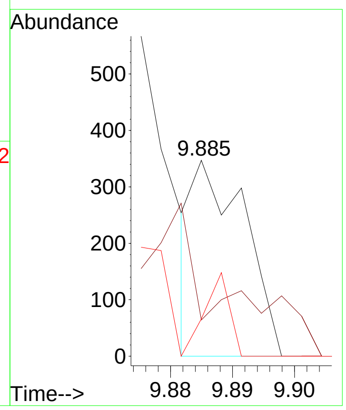
#61
Styrene
Concen: 0.012 ppbv
RT: 9.885 min Scan# 3

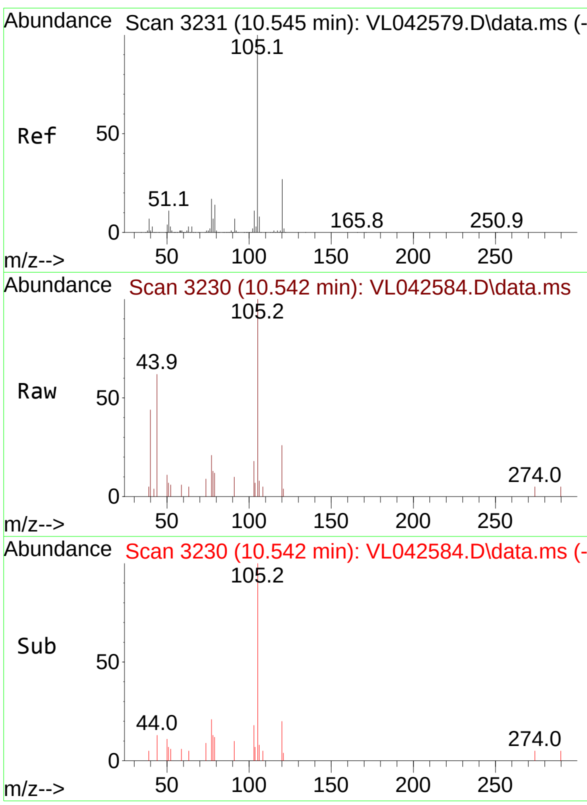
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.010 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:104 Resp: 201

Ion	Ratio	Lower	Upper
104	100		
78	156.2	38.2	57.4#
103	29.4	36.7	55.1#

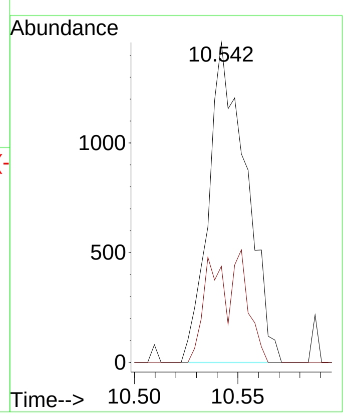


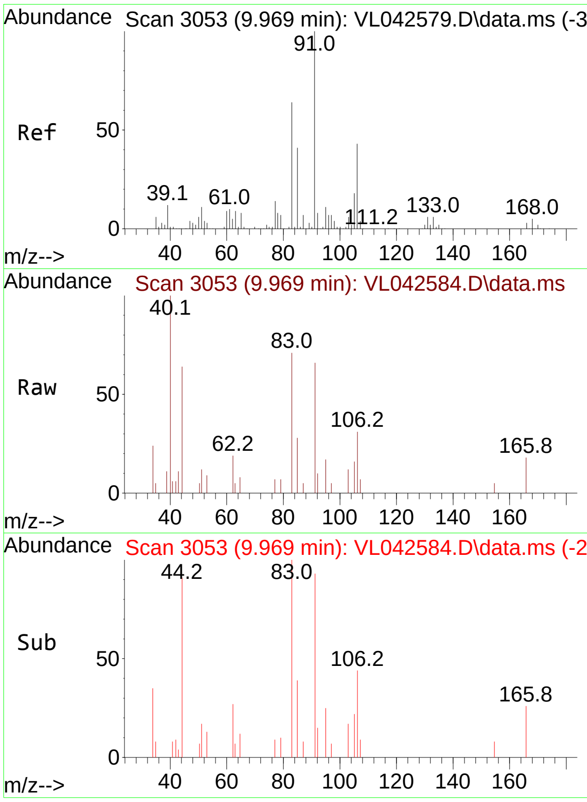


#62
Isopropylbenzene
Concen: 0.034 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:105 Resp: 1842

Ion	Ratio	Lower	Upper
105	100		
120	33.3	20.9	31.3#





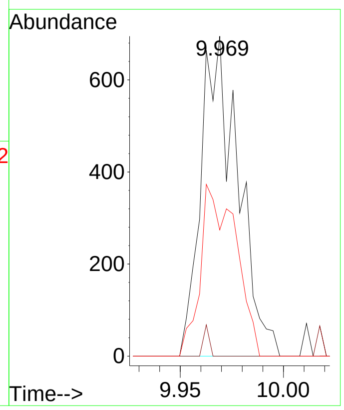
#63
1,1,2,2-Tetrachloroethane
Concen: 0.037 ppbv
RT: 9.969 min Scan# 3

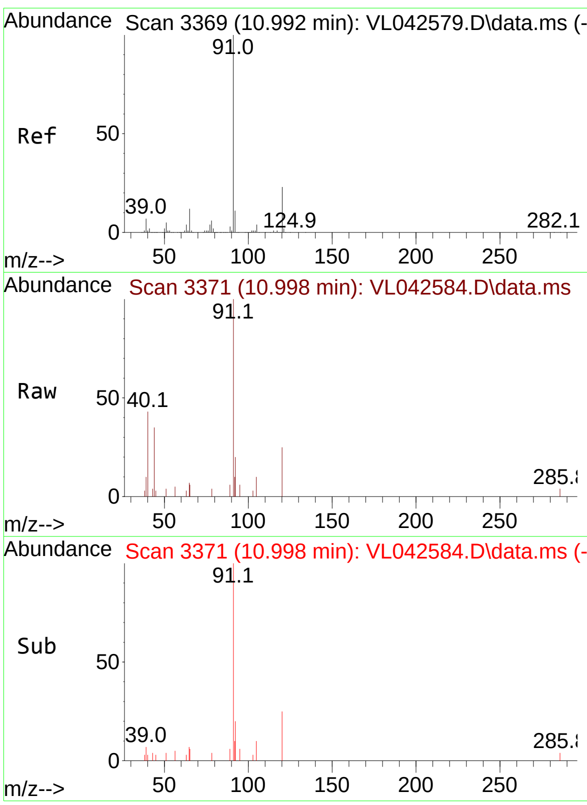
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 83 Resp: 866

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	51.4	32.5	97.4

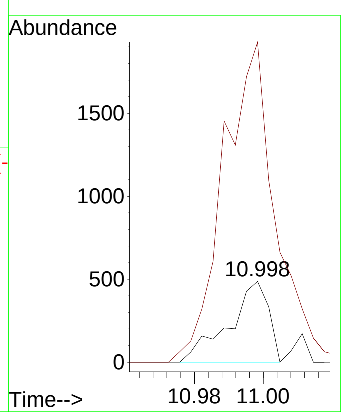


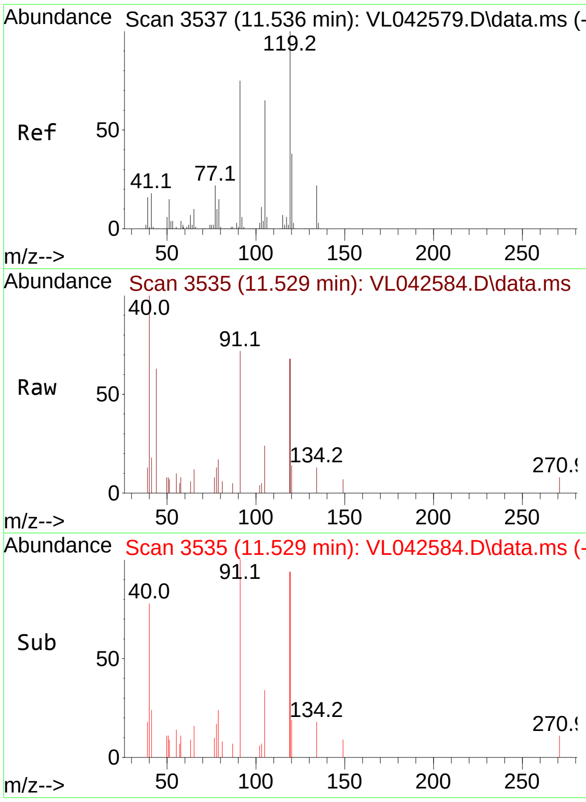


#64
n-propylbenzene
Concen: 0.027 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.006 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:120 Resp: 391

Ion	Ratio	Lower	Upper
120	100		
91	520.2	363.0	544.6





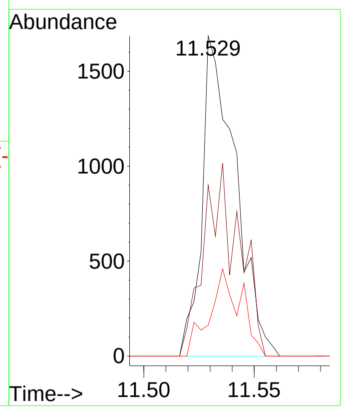
#65
tert-Butylbenzene
Concen: 0.036 ppbv
RT: 11.529 min Scan# 3

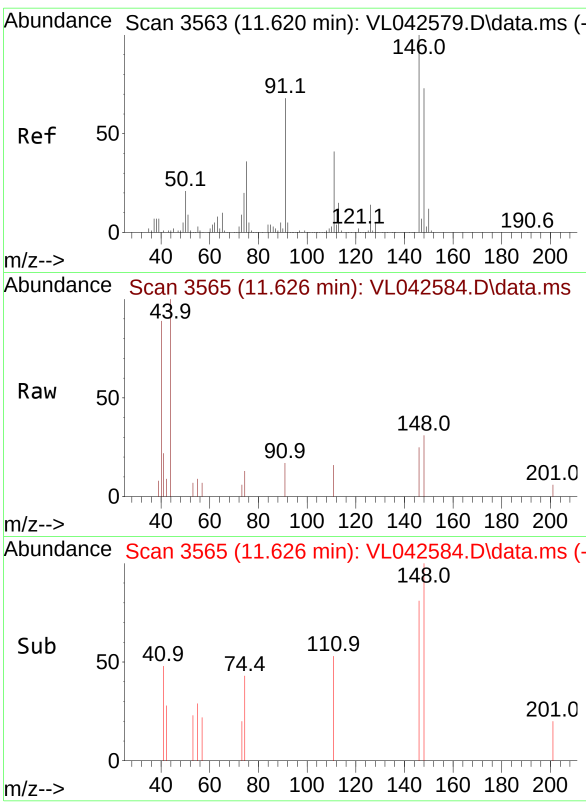
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. -0.006 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:119 Resp: 1766

Ion	Ratio	Lower	Upper
119	100		
91	64.0	61.1	91.7
134	25.7	17.4	26.2

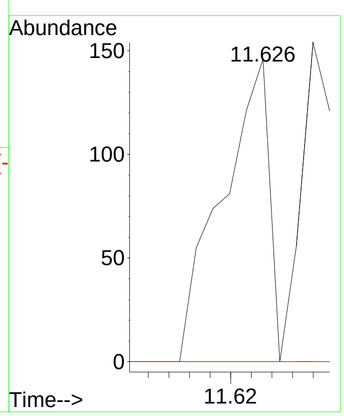


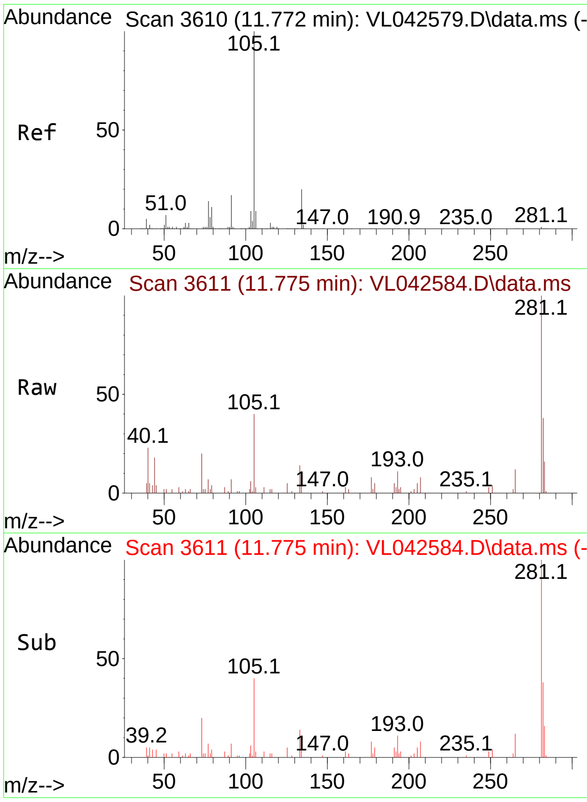


#66
Benzyl Chloride
Concen: 0.015 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 91 Resp: 93

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.1	22.7#
128	0.0	5.0	7.6#





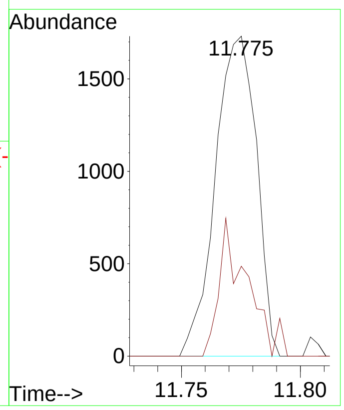
#67
sec-Butylbenzene
Concen: 0.030 ppbv
RT: 11.775 min Scan# 3

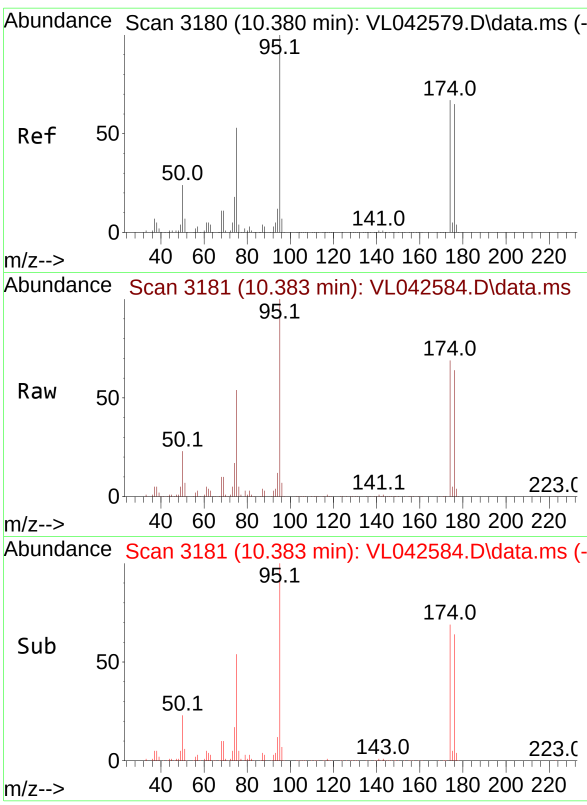
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:105 Resp: 2082

Ion	Ratio	Lower	Upper
105	100		
134	29.8	15.8	23.6#

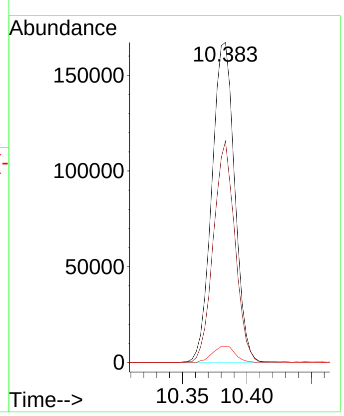


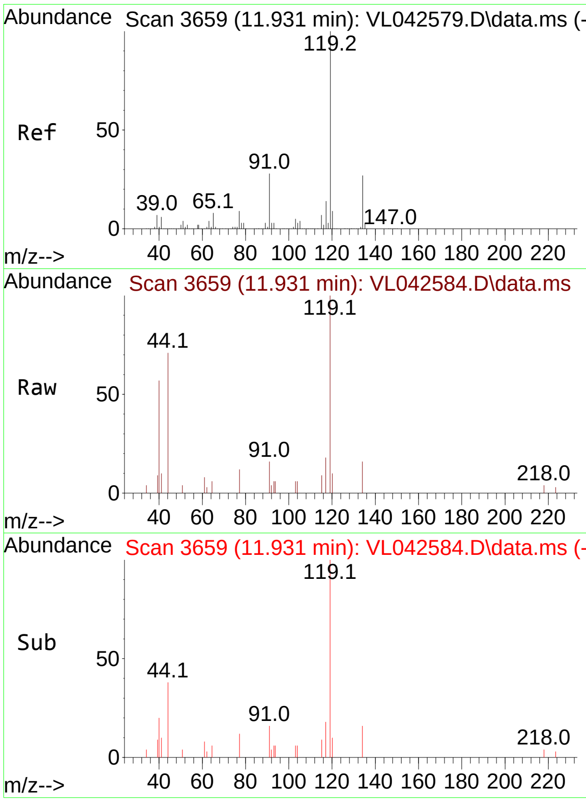


#68
1-Bromo-4-Fluorobenzene
Concen: 10.033 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 95 Resp: 205981

Ion	Ratio	Lower	Upper
95	100		
174	65.5	53.1	79.7
175	5.1	4.2	6.2





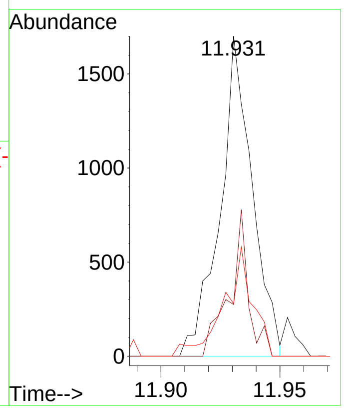
#69
p-Isopropyltoluene
Concen: 0.028 ppbv
RT: 11.931 min Scan# 3

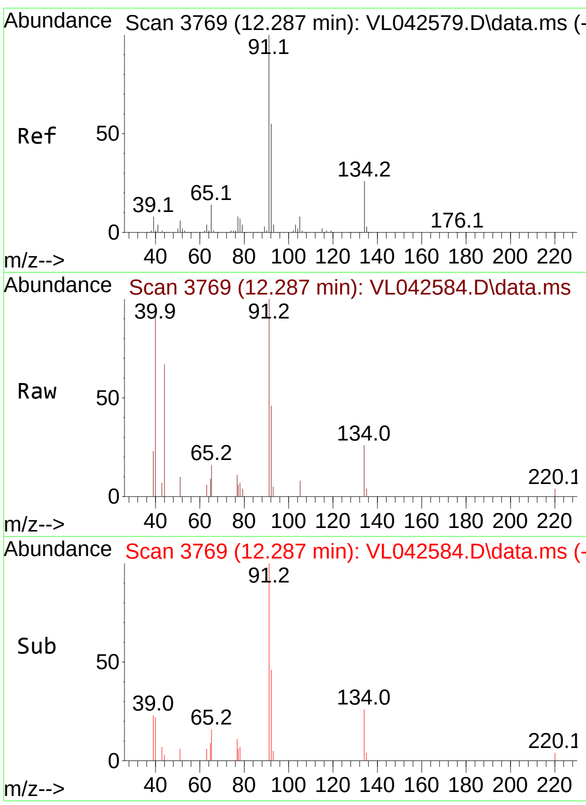
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:119 Resp: 1598

Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.1	31.7
91	30.4	21.9	32.9

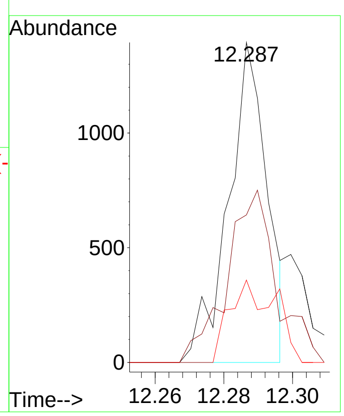


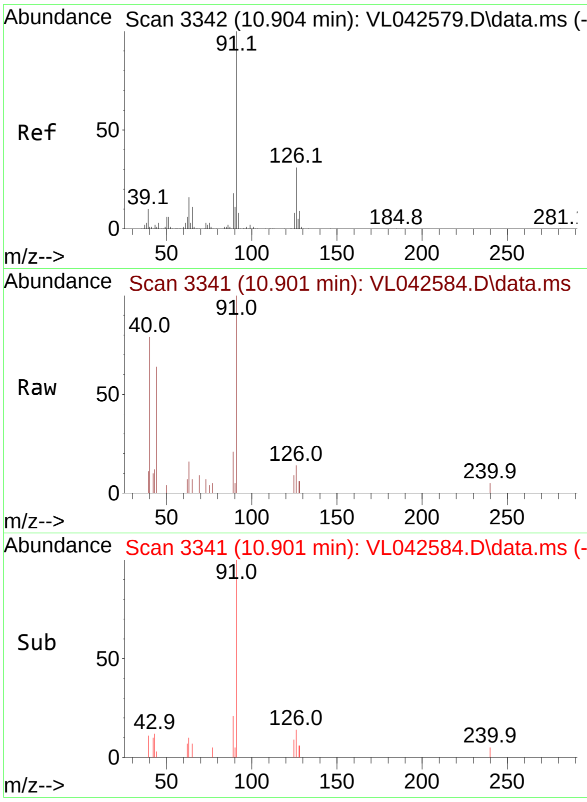


#70
n-Butylbenzene
Concen: 0.019 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion: 91 Resp: 1095

Ion	Ratio	Lower	Upper
91	100		
92	73.0	44.4	66.6#
134	32.1	20.1	30.1#

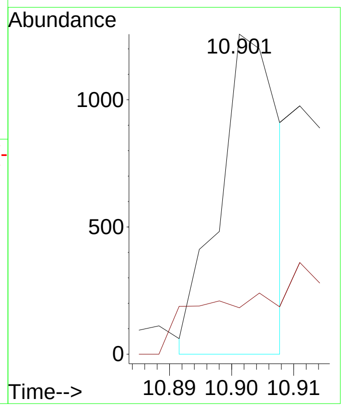


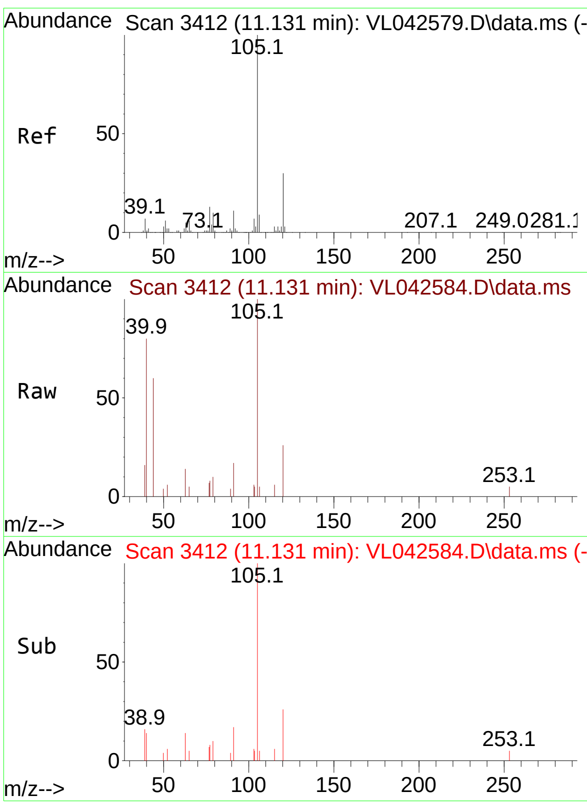



```
#71
2-Chlorotoluene
Concen:    0.020 ppbv
RT:  10.901 min  Scan# 3
Delta R.T.  -0.003 min
Lab File:   VL042584.D
Acq: 29 May 2025  13:51

Tgt Ion: 91 Resp:     827
Ion  Ratio  Lower  Upper
 91  100
126    0.0   12.6   50.4#
```

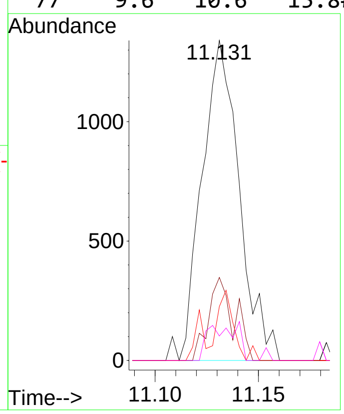
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

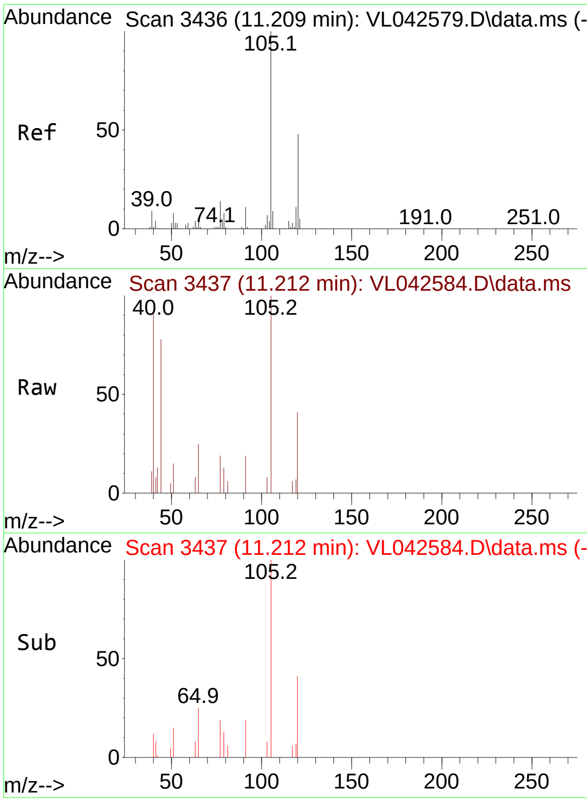





```
#72
4-Ethyltoluene
Concen:    0.037 ppbv
RT:  11.131 min  Scan# 3412
Delta R.T.  0.000 min
Lab File:   VL042584.D
Acq: 29 May 2025  13:51

Tgt Ion:105 Resp:    1671
Ion  Ratio  Lower  Upper
105  100
120   17.9   24.6   36.8#
 91   13.7    9.6   14.4
 77    9.6   10.6   15.8#
```



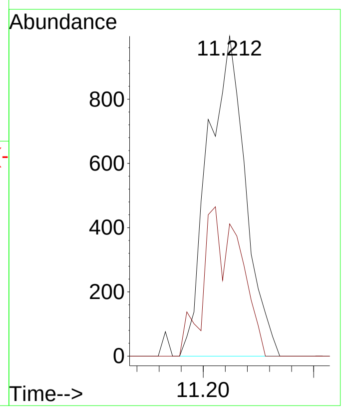


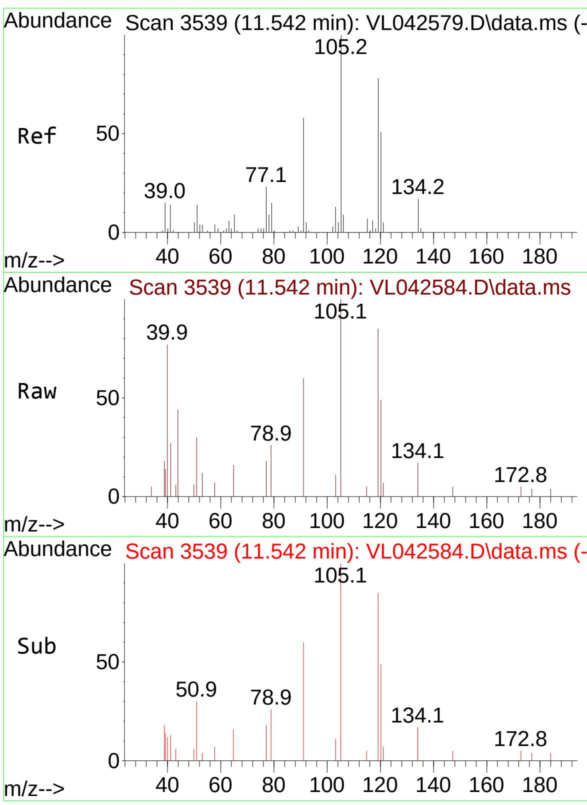
#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 11.212 min   Scan# 34
Delta R.T.   0.003 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1177

Ion	Ratio	Lower	Upper
105	100		
120	41.4	38.8	58.2

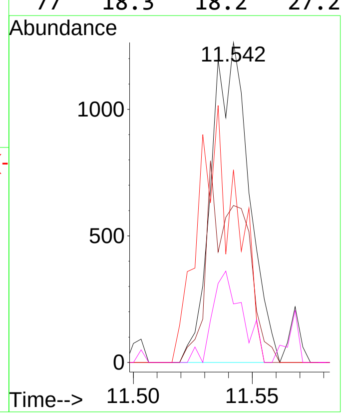


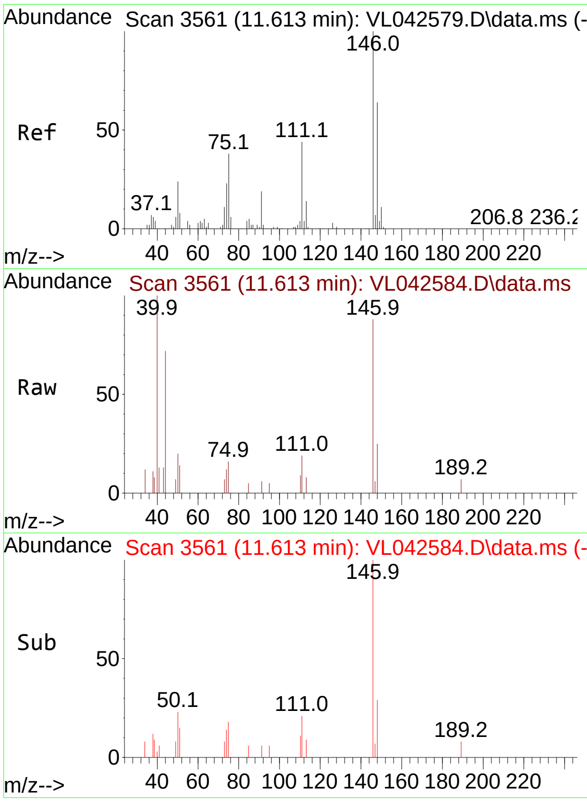


#74
1,2,4-Trimethylbenzene
Concen: 0.033 ppbv
RT: 11.542 min   Scan# 3539
Delta R.T.   0.000 min
Lab File: VL042584.D
Acq: 29 May 2025   13:51

Tgt Ion:105 Resp: 1387

Ion	Ratio	Lower	Upper
105	100		
120	49.1	40.8	61.2
91	60.2	46.8	70.2
77	18.3	18.2	27.2



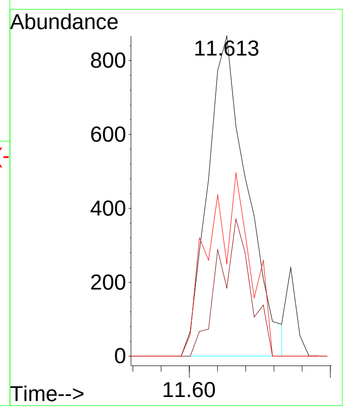


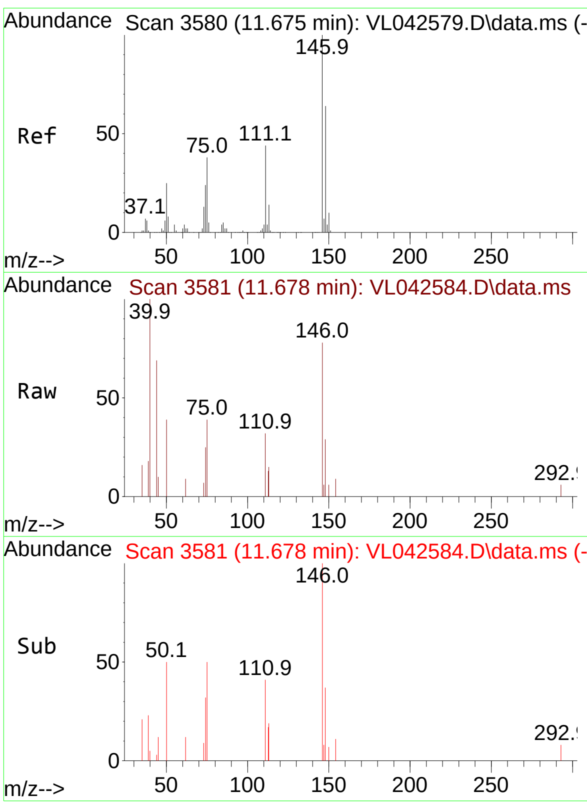
#75
1,3-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 843

Ion	Ratio	Lower	Upper
146	100		
111	34.8	22.4	67.3
148	59.2	32.0	96.2

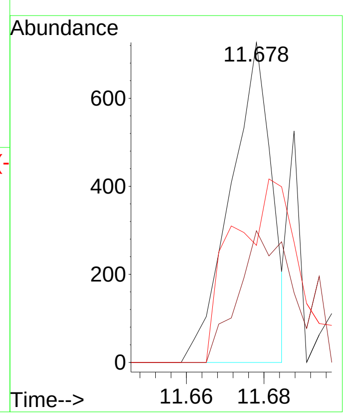


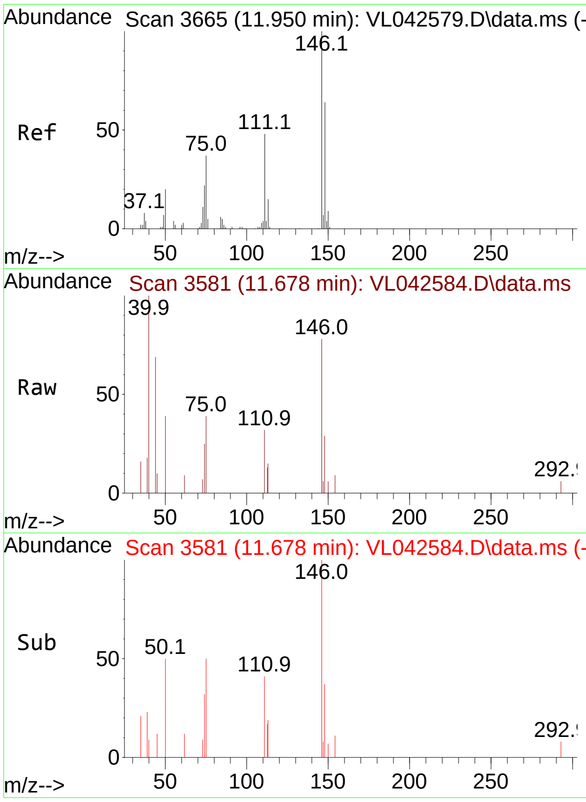


#76
1,4-Dichlorobenzene
Concen: 0.021 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:146 Resp: 538

Ion	Ratio	Lower	Upper
146	100		
111	58.7	21.6	64.8
148	90.9	32.1	96.5



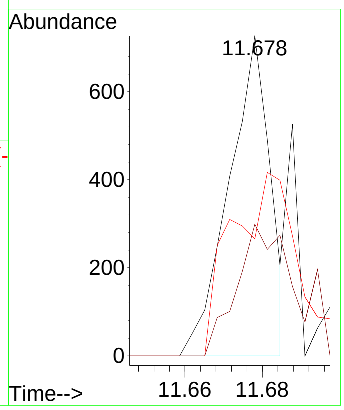


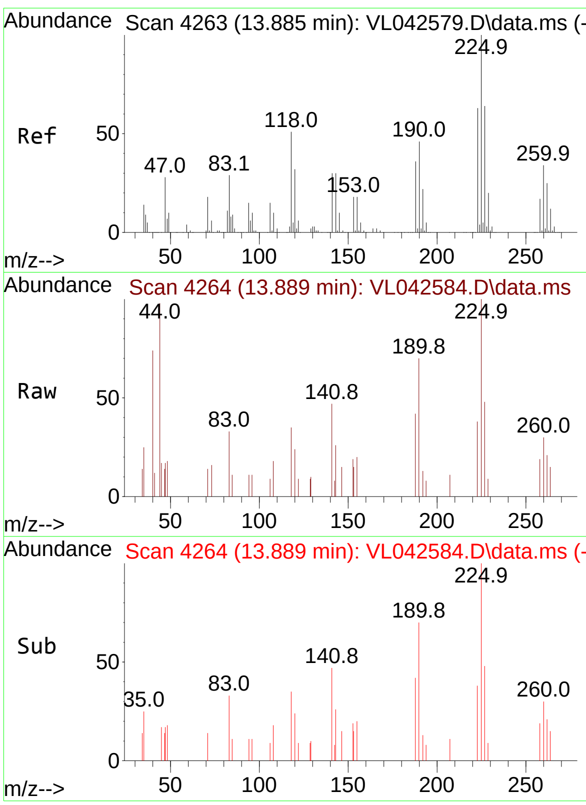
#77
1,2-Dichlorobenzene
Concen: 0.021 ppbv
RT: 11.678 min Scan# 3
Delta R.T. -0.272 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 538

Ion	Ratio	Lower	Upper
146	100		
111	58.7	23.1	69.3
148	90.9	32.1	96.3

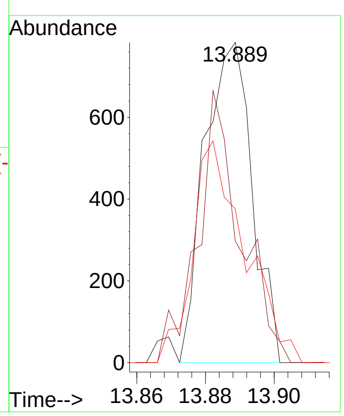


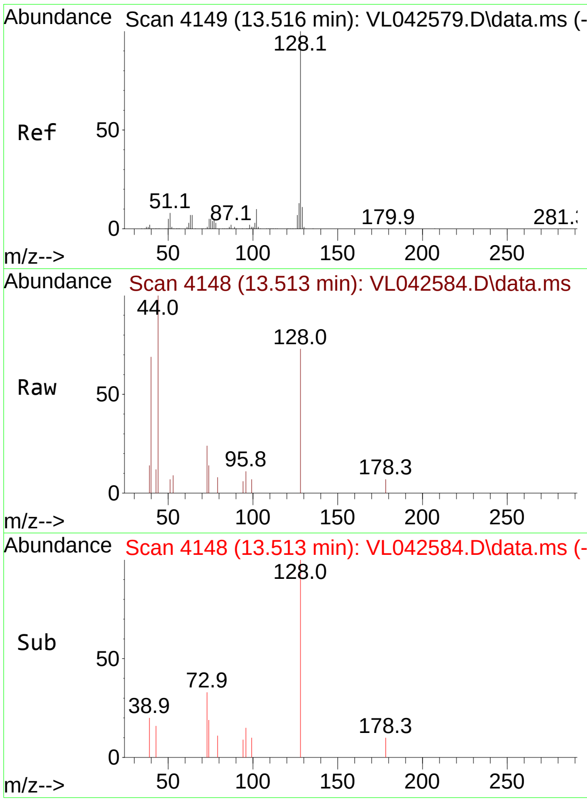


#78
Hexachloro-1,3-Butadiene
Concen: 0.036 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:225 Resp: 756

Ion	Ratio	Lower	Upper
225	100		
223	76.1	50.2	75.4#
227	75.7	51.1	76.7



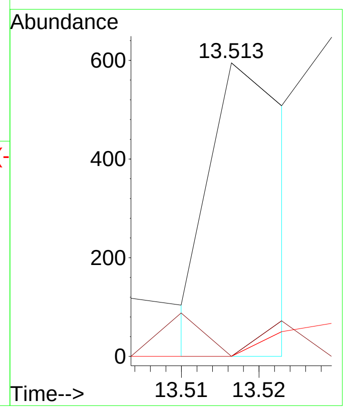


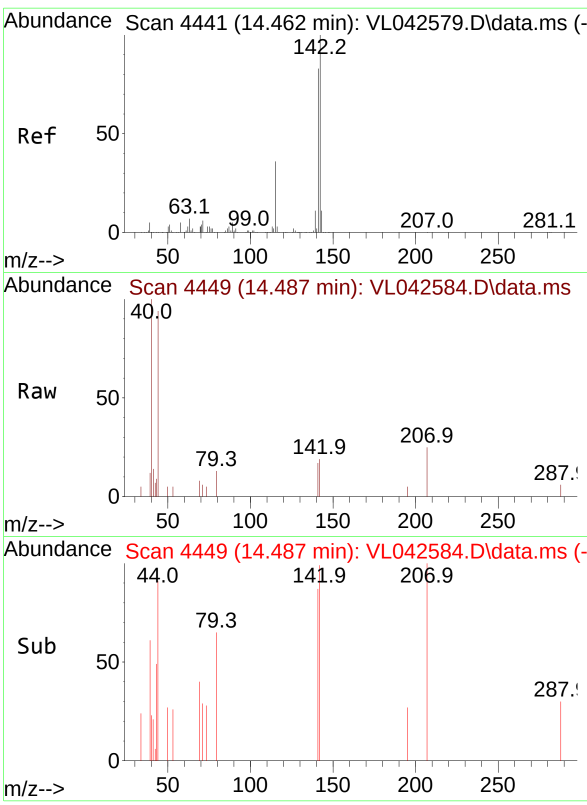
#79
Naphthalene
Concen: 0.005 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 214

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.8	13.2#

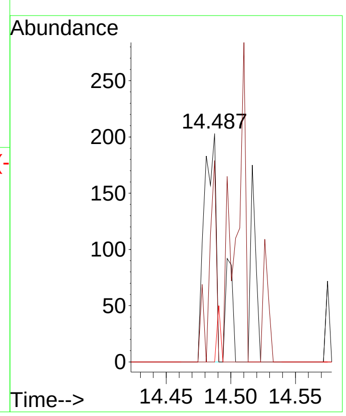


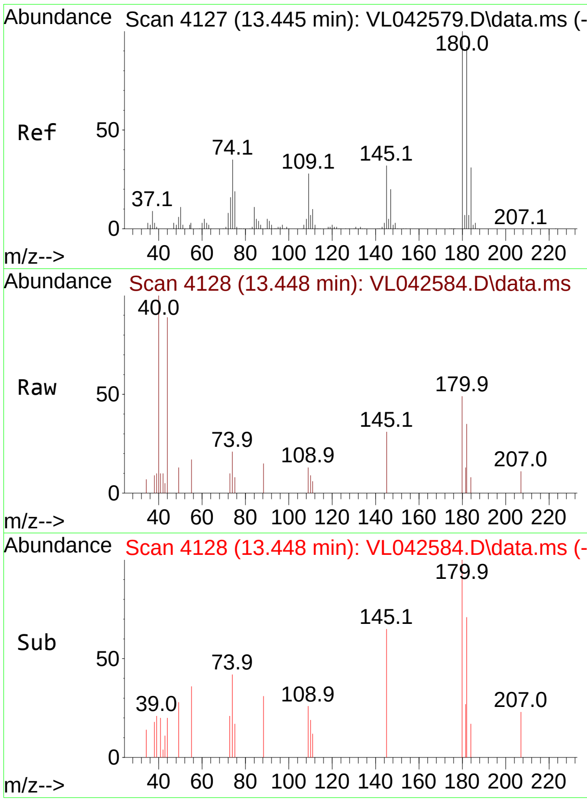


#80
Naphthalene,2-methyl-
Concen: 0.012 ppbv
RT: 14.487 min Scan# 4449
Delta R.T. 0.026 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Tgt Ion:142 Resp: 210

Ion	Ratio	Lower	Upper
142	100		
141	111.4	66.2	99.4#
115	4.8	28.3	42.5#



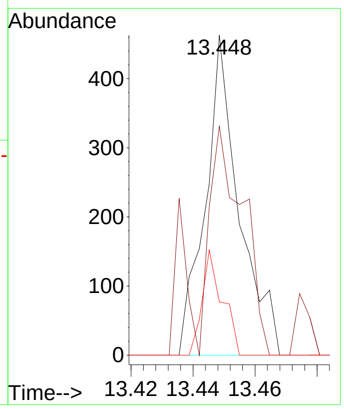


#81
1,2,4-Trichlorobenzene
Concen: 0.016 ppbv
RT: 13.448 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042584.D
Acq: 29 May 2025 13:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 350

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.0	112.4
184	19.7	24.6	36.8#



Quantitation Report (Not 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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration
```

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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	6915	8.746 ppbv	98
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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

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	9.539	91	523032	14.249 ppbv #	29
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

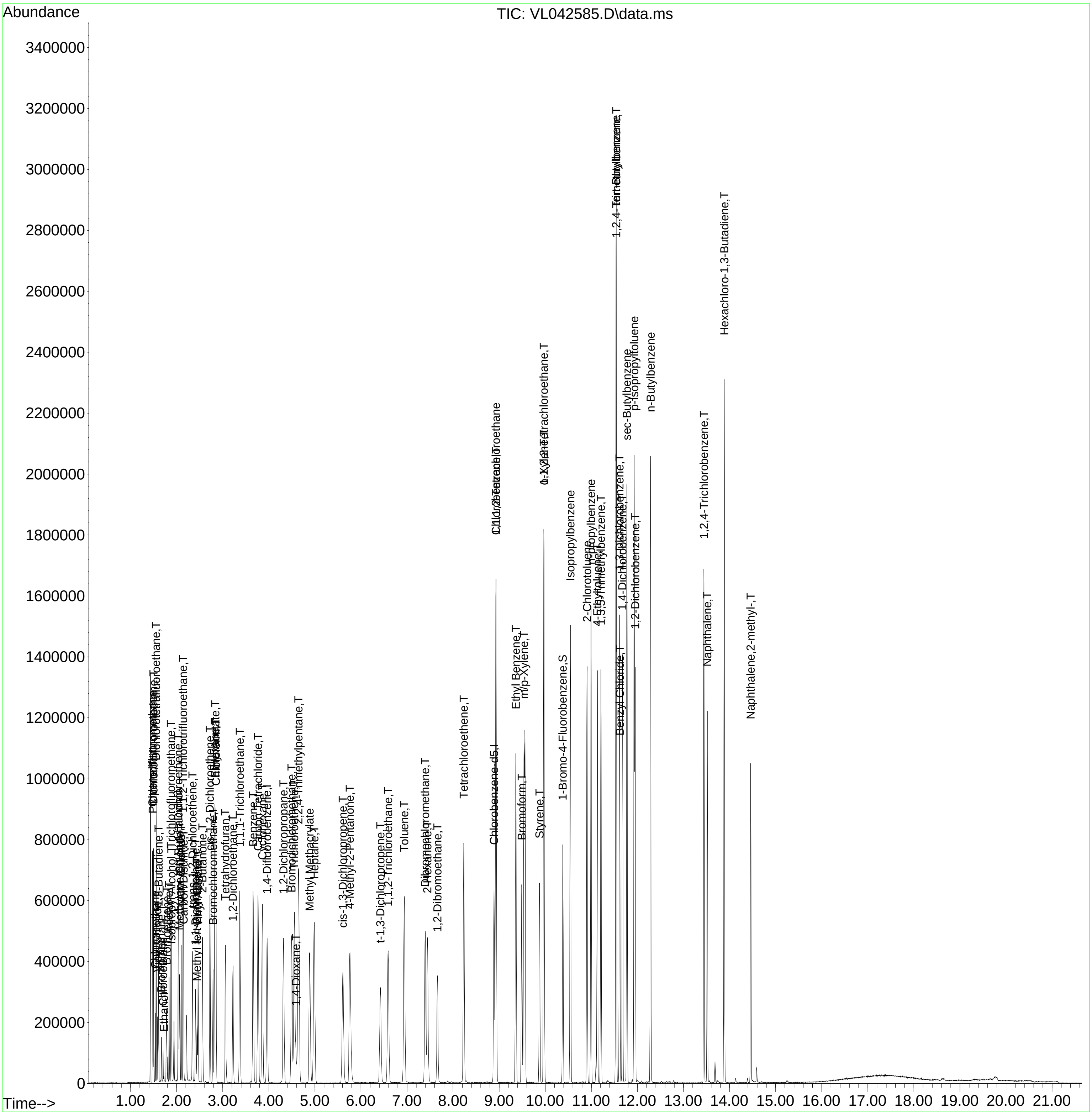
(#) = qualifier out of range (m) = manual integration (+) = signals summed

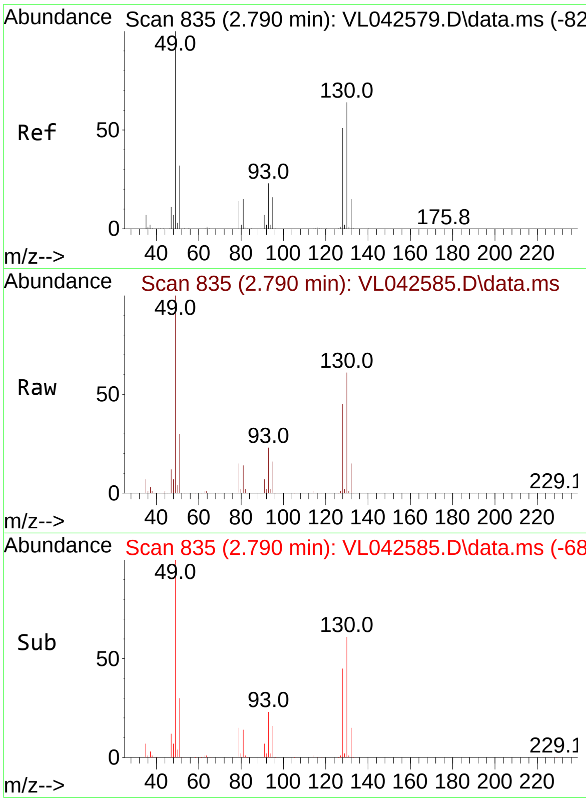
Quantitation Report   (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration





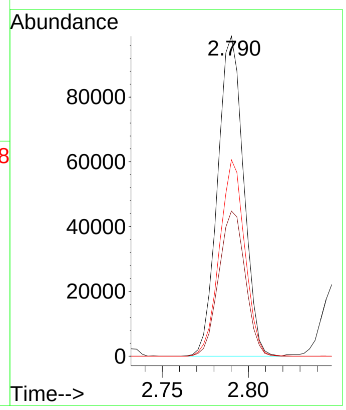
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8

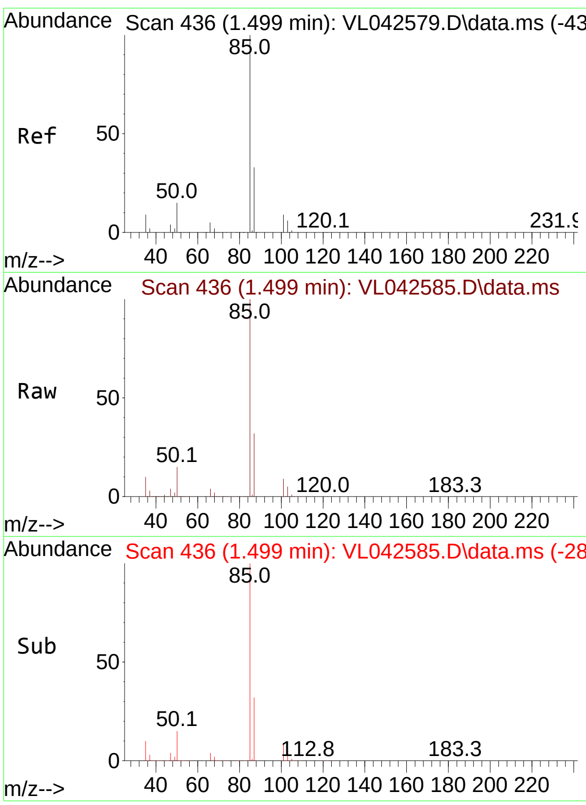
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. 0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 49 Resp: 103906

Ion	Ratio	Lower	Upper
49	100		
128	46.1	24.2	72.6
130	59.5	30.4	91.2

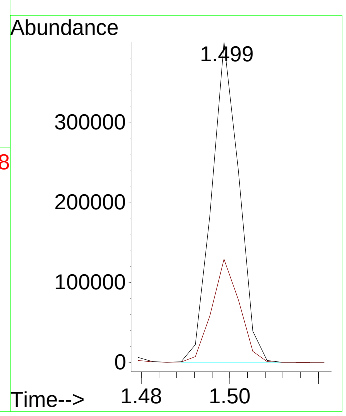


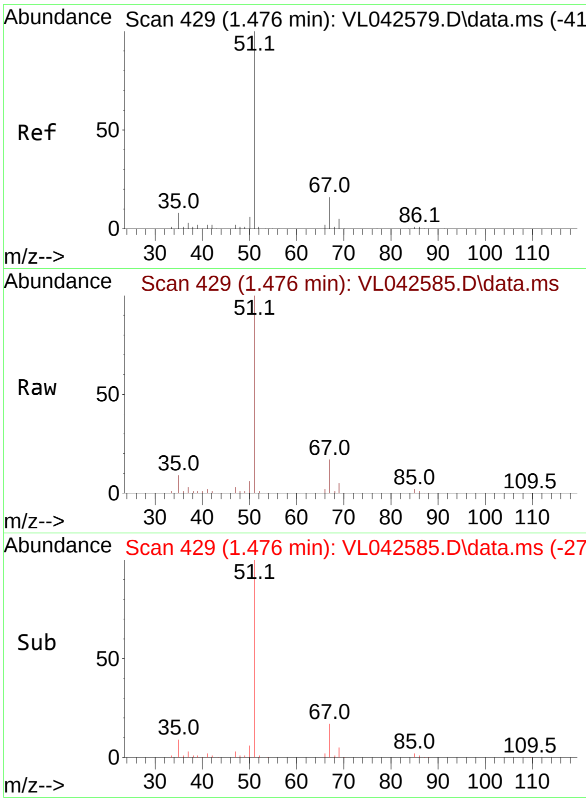


#2
Dichlorodifluoromethane
Concen: 13.432 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 85 Resp: 171529

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8



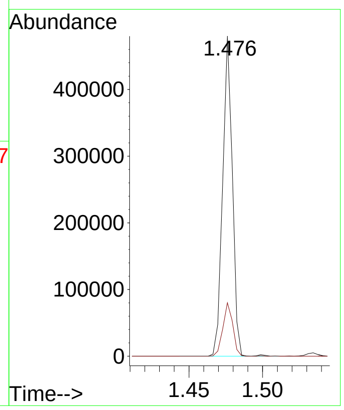


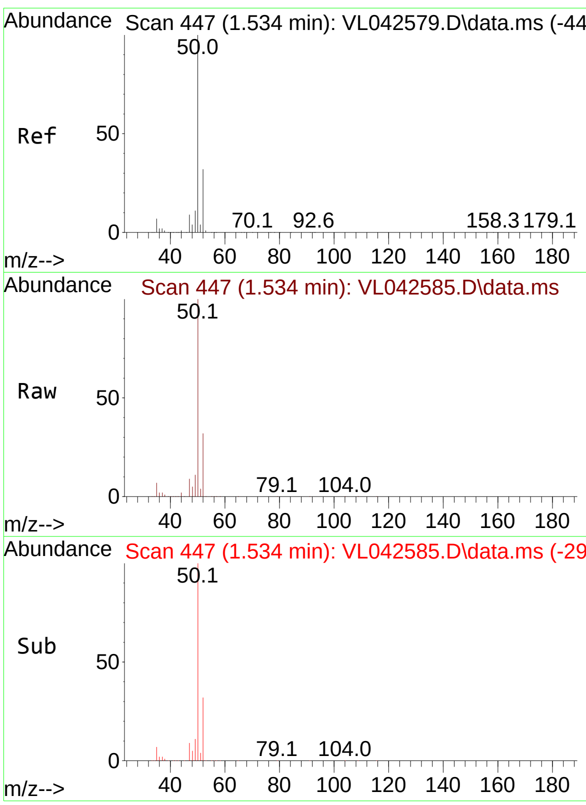
#3
Chlorodifluoromethane
Concen: 12.584 ppbv
RT: 1.476 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 221334

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.4	20.2

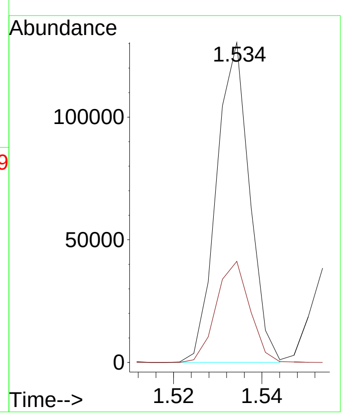


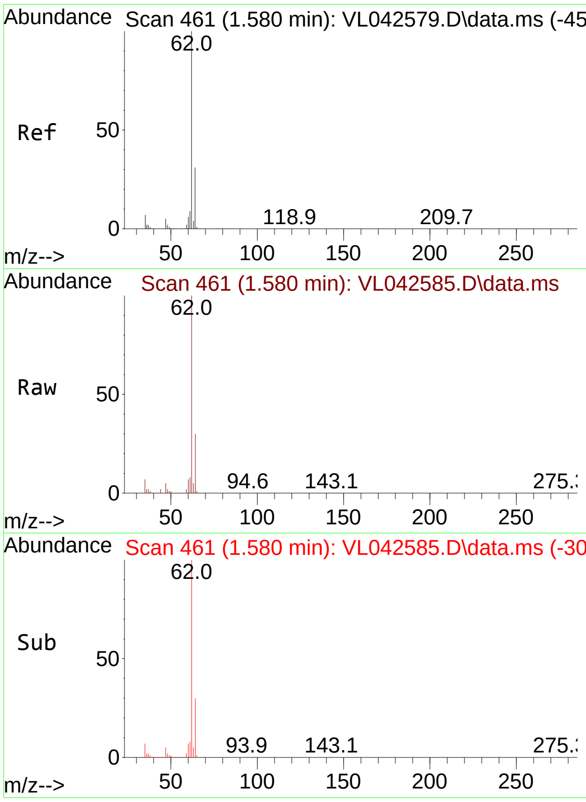


#4
Chloromethane
Concen: 13.380 ppbv
RT: 1.534 min   Scan# 447
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 50 Resp: 67662

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.8	38.6



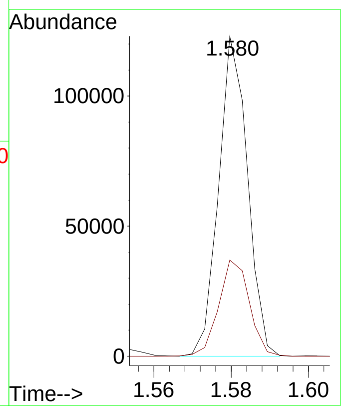


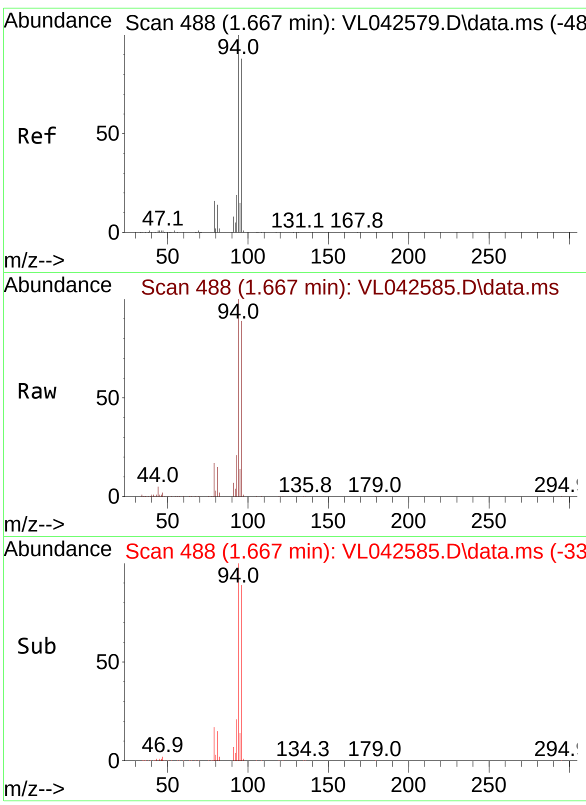
#5
Vinyl Chloride
Concen: 12.373 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 63738

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.9	37.3

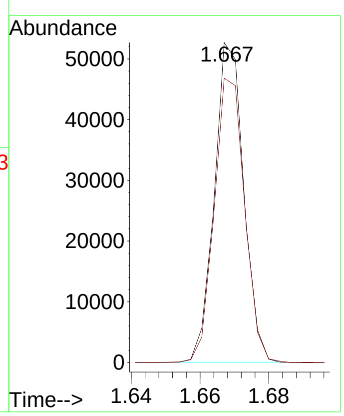


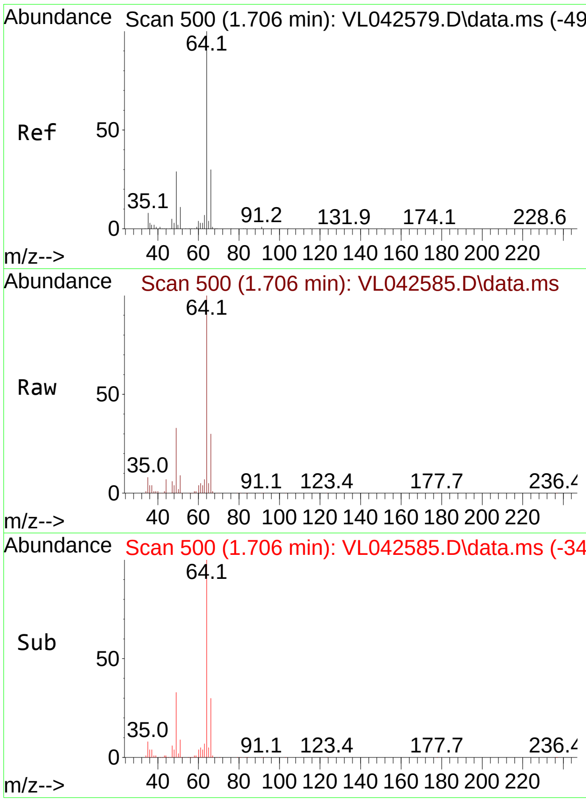


#6
Bromomethane
Concen: 12.420 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 94 Resp: 31141

Ion	Ratio	Lower	Upper
94	100		
96	88.7	70.7	106.1



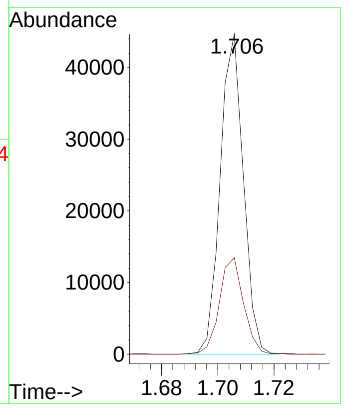


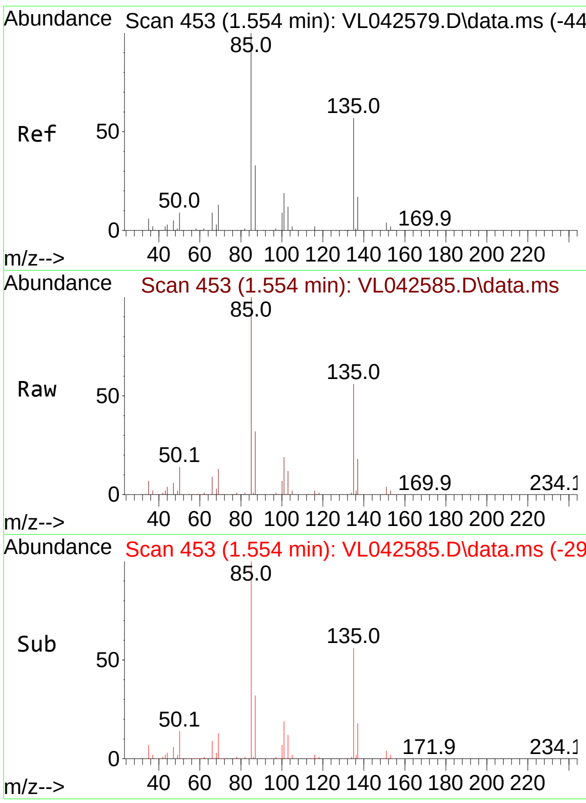
#7
Chloroethane
Concen: 12.785 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 25591

Ion	Ratio	Lower	Upper
64	100		
66	30.2	24.3	36.5

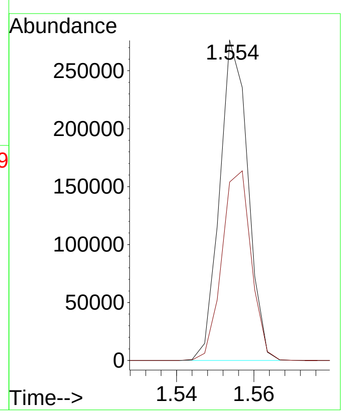


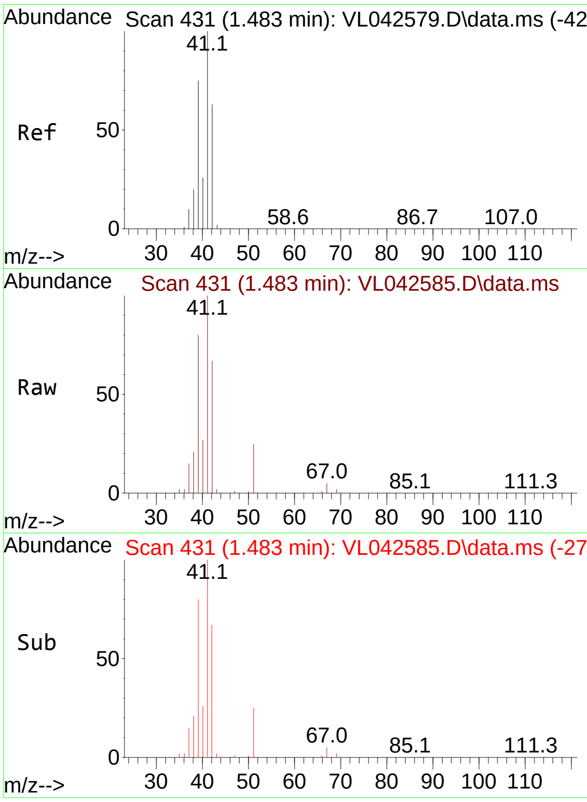


#8
Dichlorotetrafluoroethane
Concen: 13.189 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 85 Resp: 140345

Ion	Ratio	Lower	Upper
85	100		
135	61.7	50.2	75.4



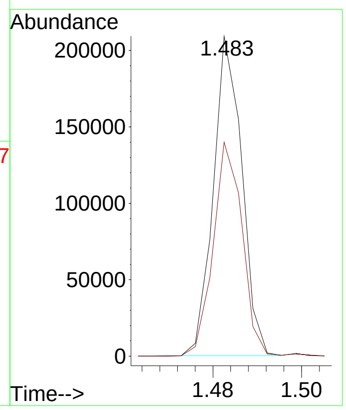


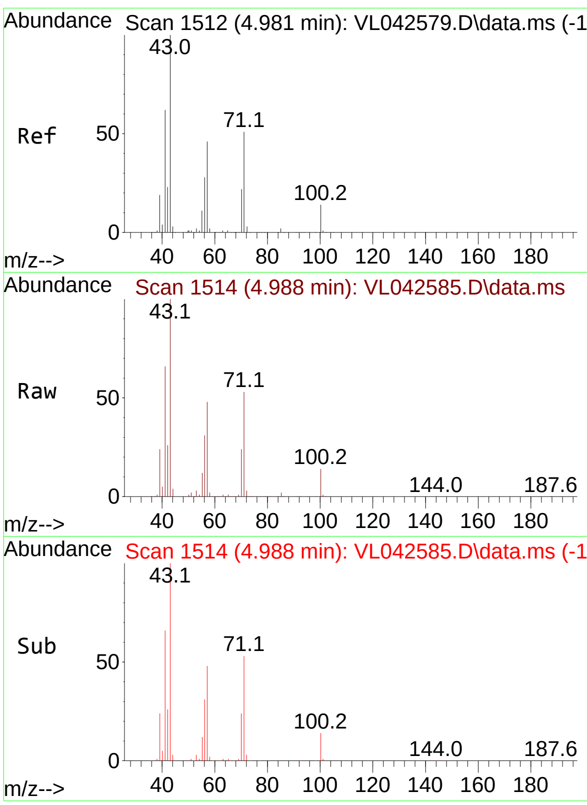
#9
Propene
Concen: 13.181 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 93357

Ion	Ratio	Lower	Upper
41	100		
42	68.6	53.3	79.9

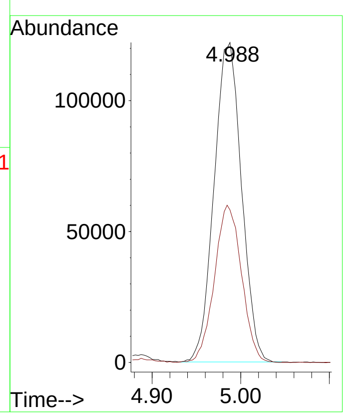


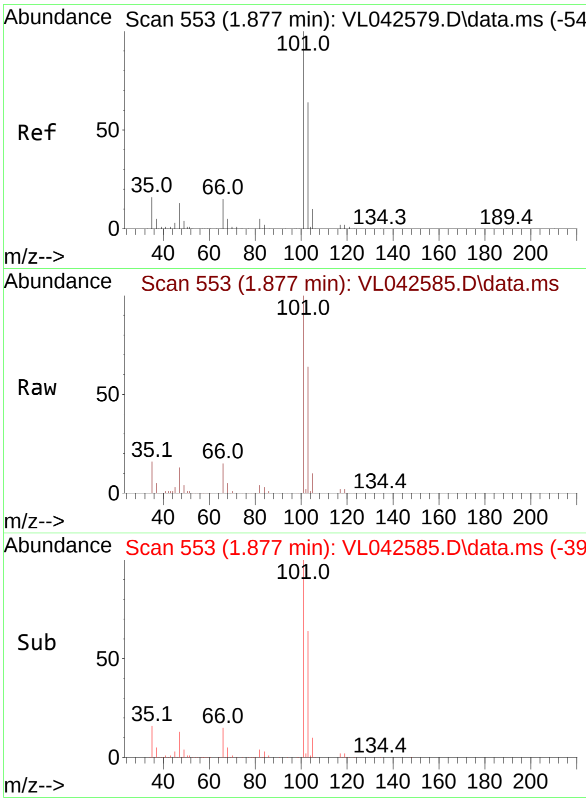


#10
Heptane
Concen: 13.165 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 263111

Ion	Ratio	Lower	Upper
43	100		
57	48.6	38.9	58.3



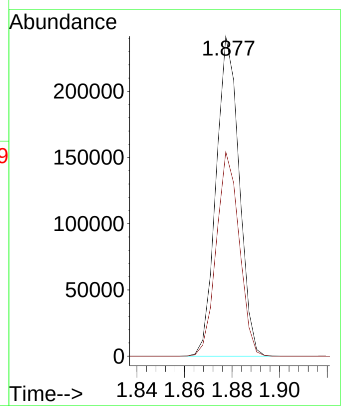


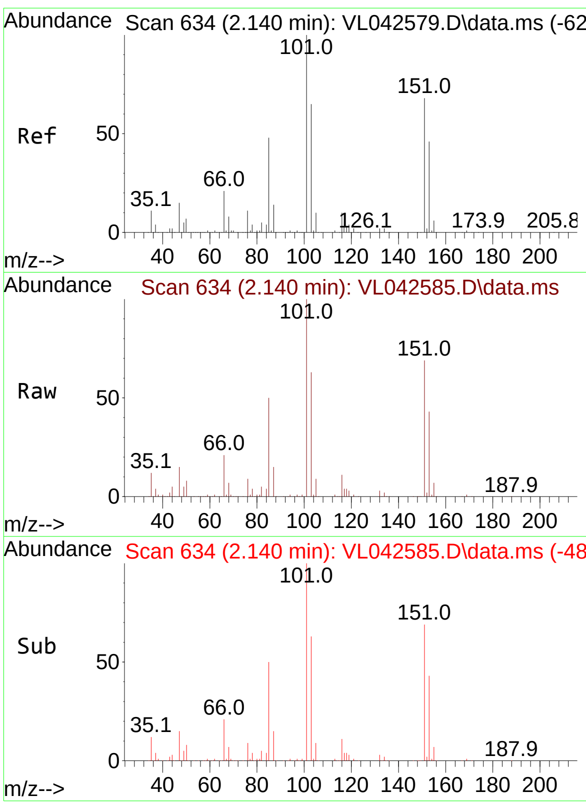
#11
Trichlorofluoromethane
Concen: 13.684 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 162591

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.5	77.3

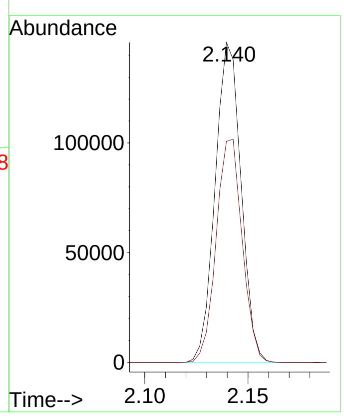


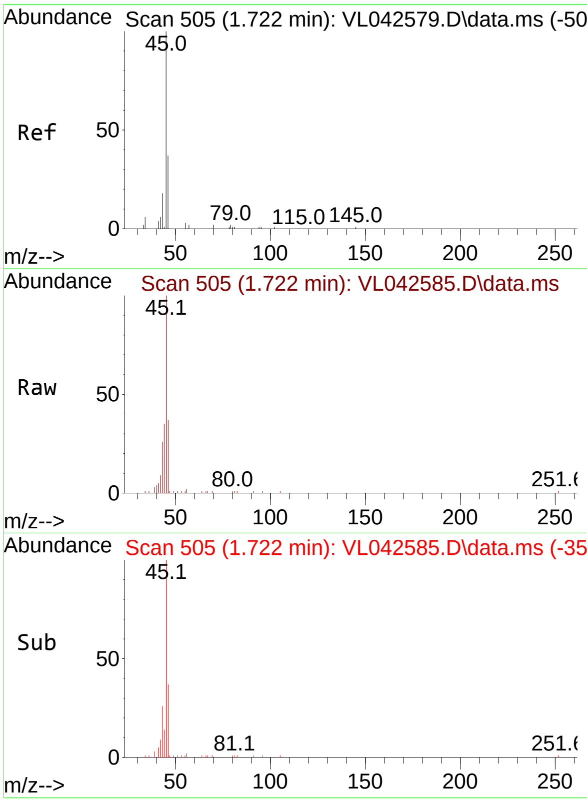


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.664 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:101 Resp: 127489

Ion	Ratio	Lower	Upper
101	100		
151	70.0	55.3	82.9



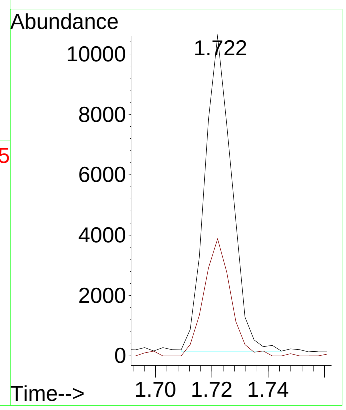


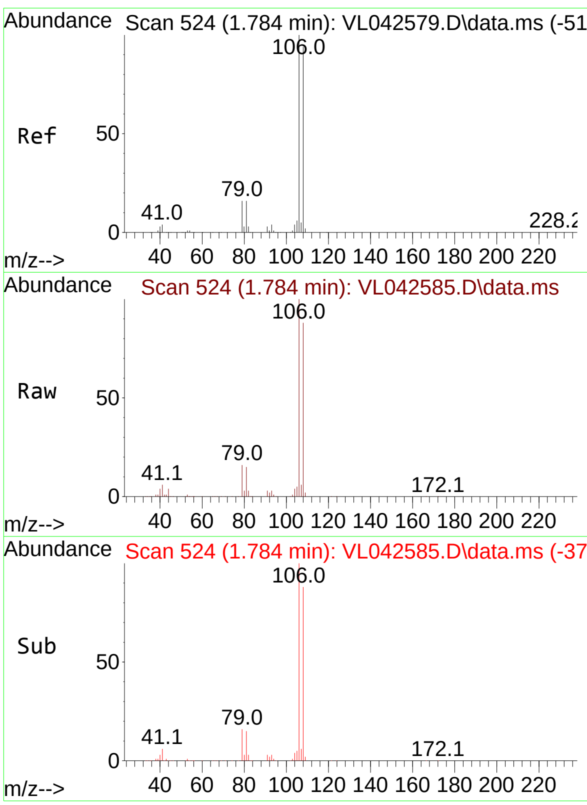
#13
Ethanol
Concen: 8.746 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 6915

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.5	58.1

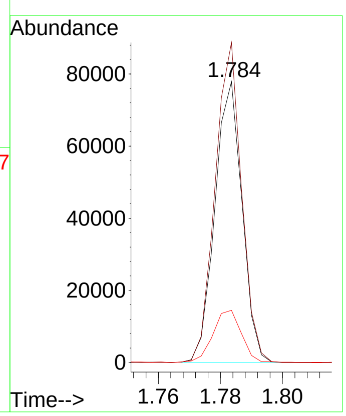


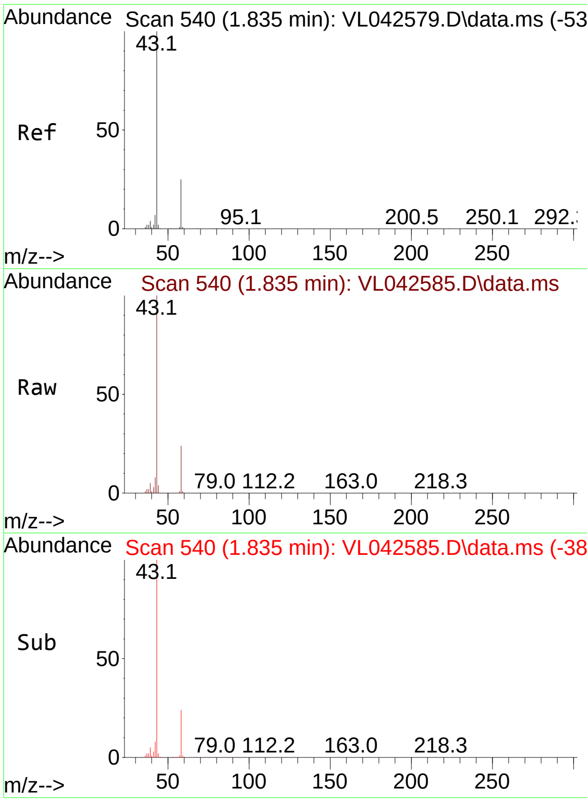


#14
Bromoethene
Concen: 13.501 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:108 Resp: 47382

Ion	Ratio	Lower	Upper
108	100		
106	110.7	87.9	131.9
79	19.8	15.6	23.4





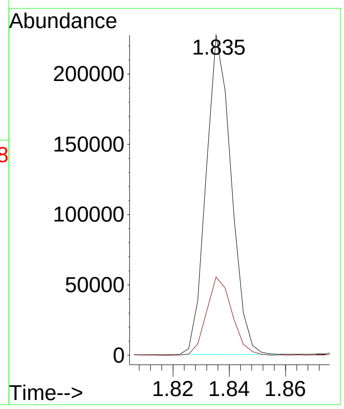
#15
Acetone
Concen: 11.302 ppbv
RT: 1.835 min Scan# 54

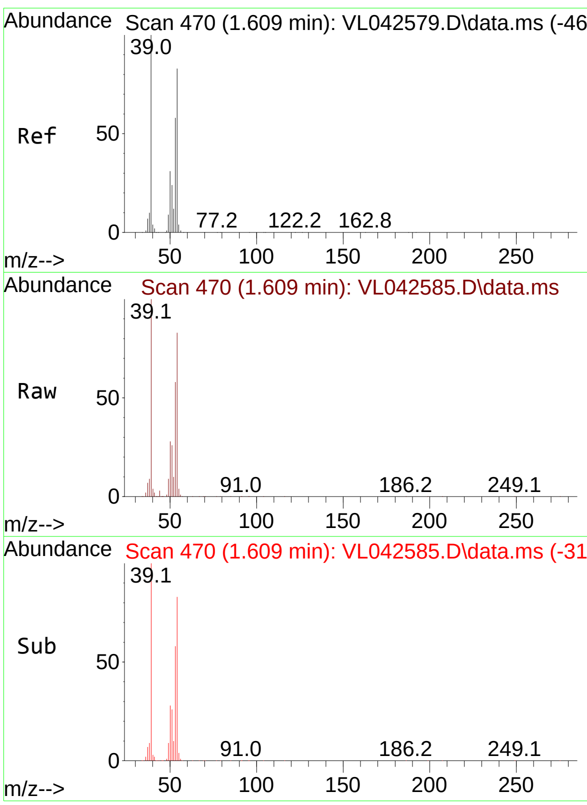
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 141460

Ion	Ratio	Lower	Upper
43	100		
58	25.0	21.0	31.4

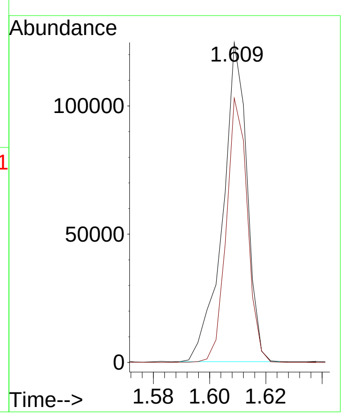


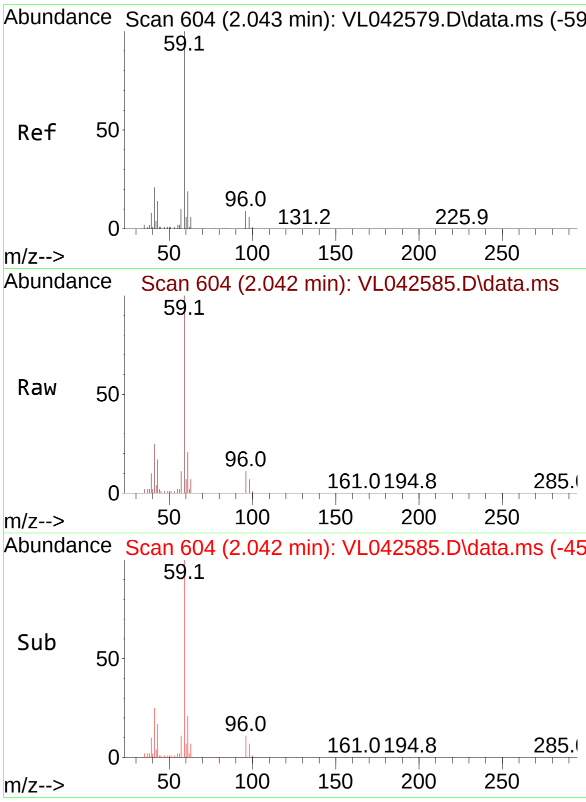


#16
1,3-Butadiene
Concen: 12.607 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 39 Resp: 74743

Ion	Ratio	Lower	Upper
39	100		
54	72.1	57.9	86.9



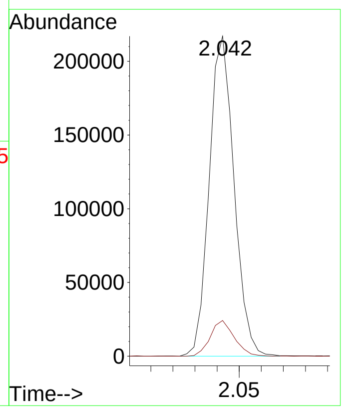


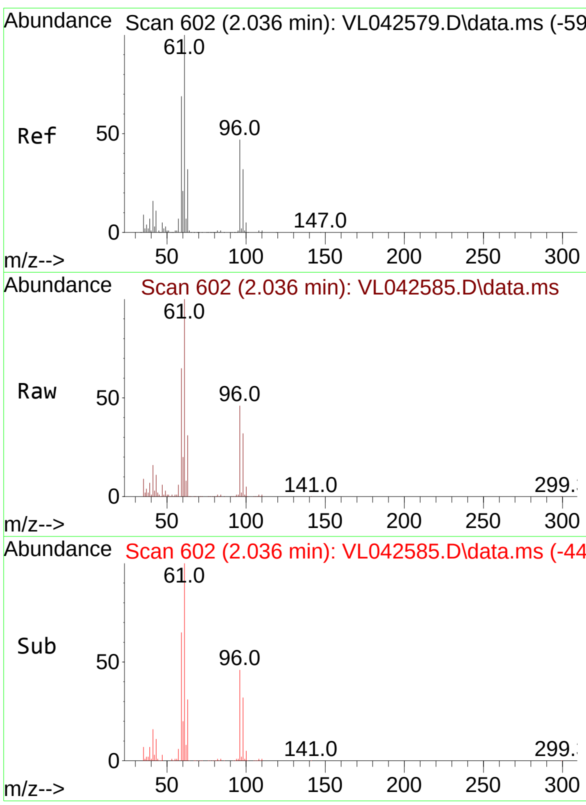
#17
tert-Butyl alcohol
Concen: 13.002 ppbv
RT: 2.042 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 169533

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

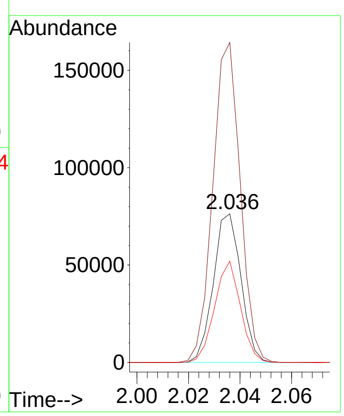


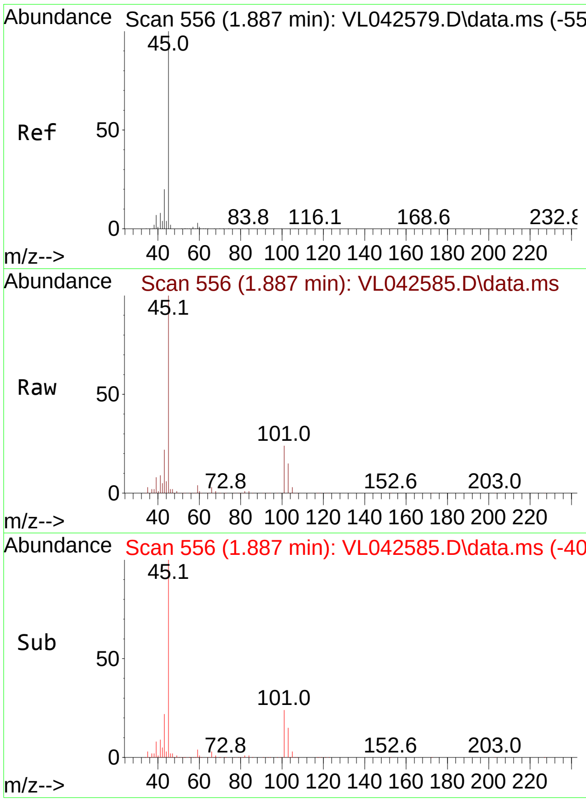


#18
1,1-Dichloroethene
Concen: 13.085 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 96 Resp: 56808

Ion	Ratio	Lower	Upper
96	100		
61	215.1	171.1	256.7
98	68.1	54.4	81.6



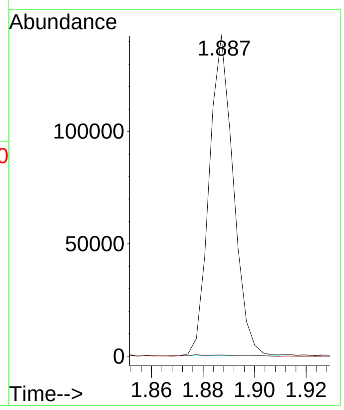


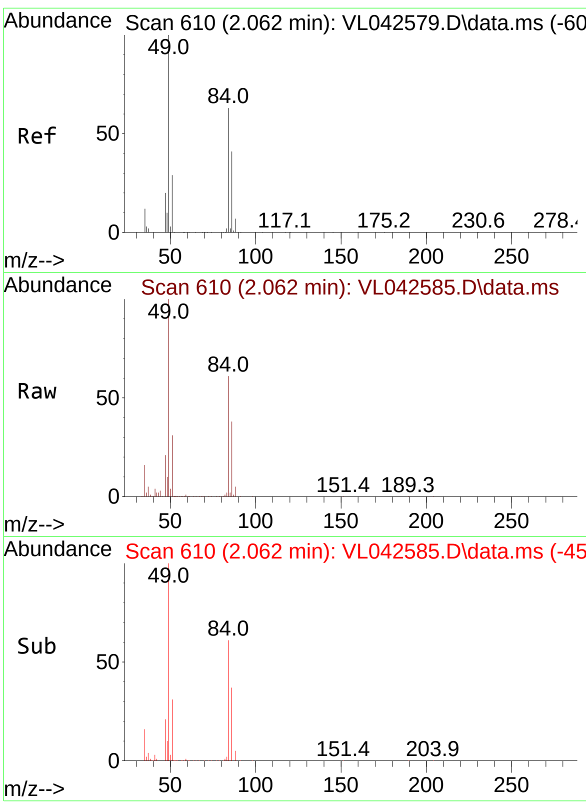
#19
Isopropyl Alcohol
Concen: 12.351 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 92408

Ion	Ratio	Lower	Upper
45	100		
58	38.2	29.4	44.2

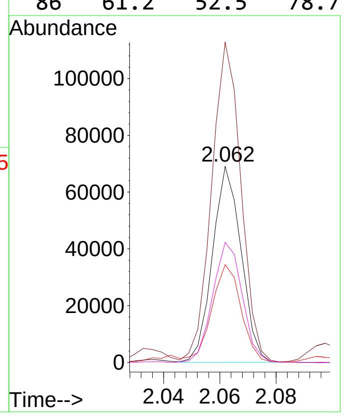


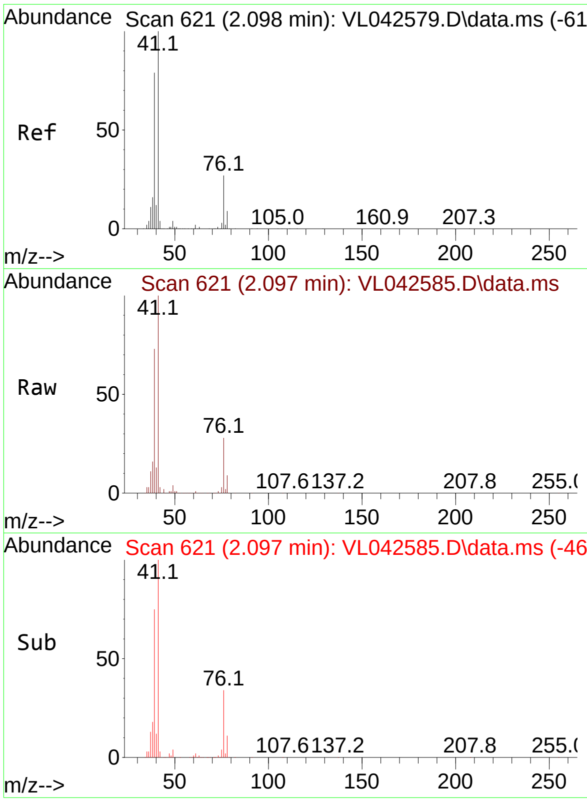


#20
Methylene Chloride
Concen: 11.830 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 84 Resp: 48862

Ion	Ratio	Lower	Upper
84	100		
49	163.3	128.8	193.2
51	49.6	38.6	57.8
86	61.2	52.5	78.7



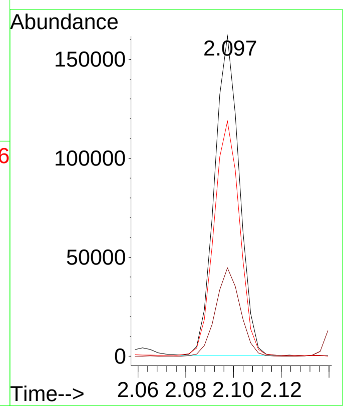


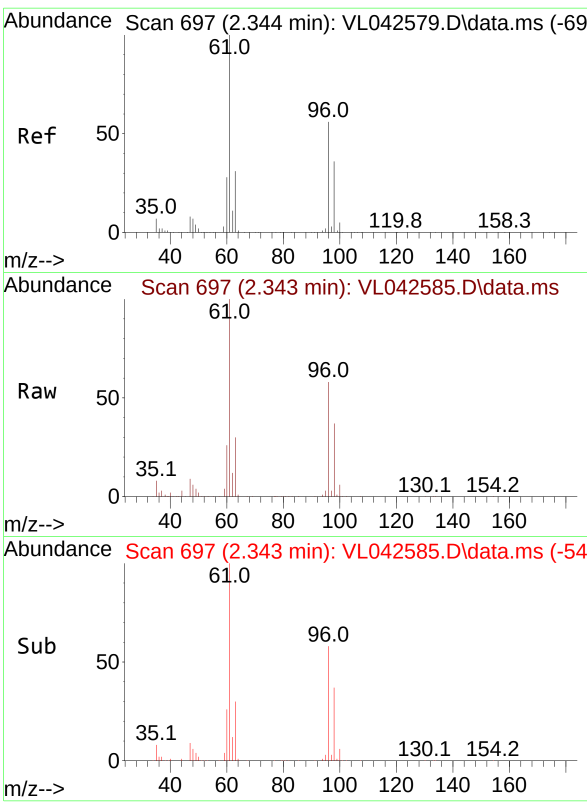
#21
Allyl Chloride
Concen: 13.223 ppbv
RT: 2.097 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 116771

Ion	Ratio	Lower	Upper
41	100		
76	27.2	21.2	31.8
39	76.1	60.9	91.3

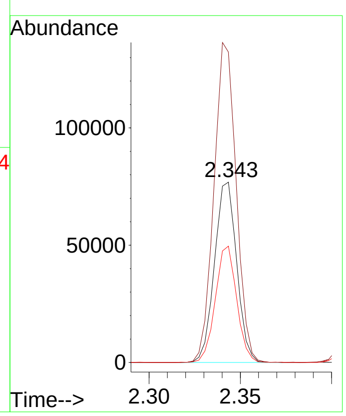


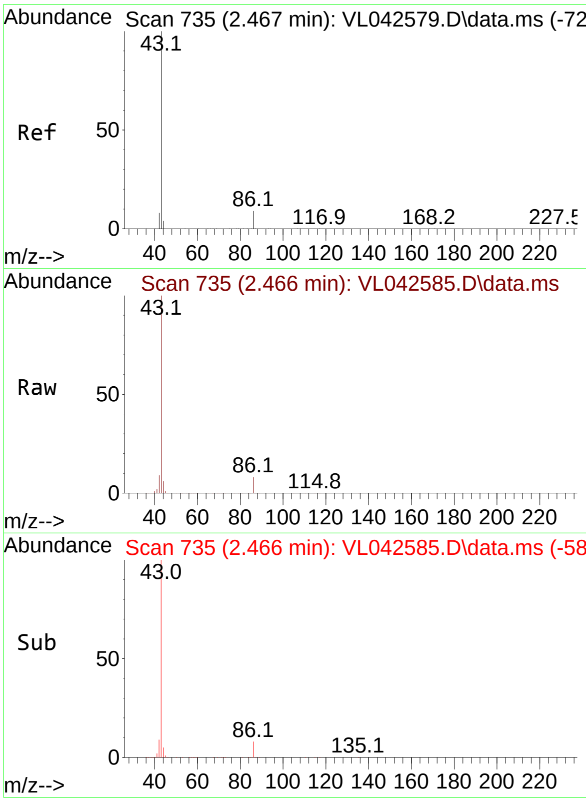


#22
trans-1,2-Dichloroethene
Concen: 13.441 ppbv
RT: 2.343 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 96 Resp: 65132

Ion	Ratio	Lower	Upper
96	100		
61	172.1	142.6	214.0
98	64.3	51.0	76.4





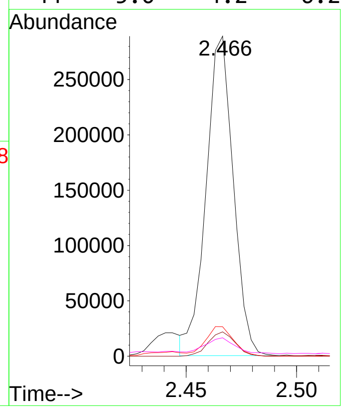
#23
Vinyl Acetate
Concen: 14.594 ppbv
RT: 2.466 min Scan# 7

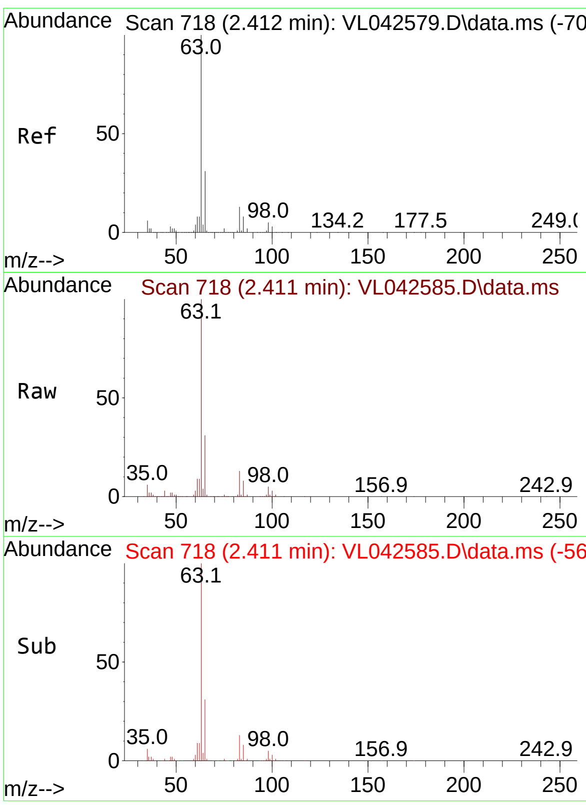
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 246907

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	9.2	7.0	10.4
44	5.0	4.2	6.2

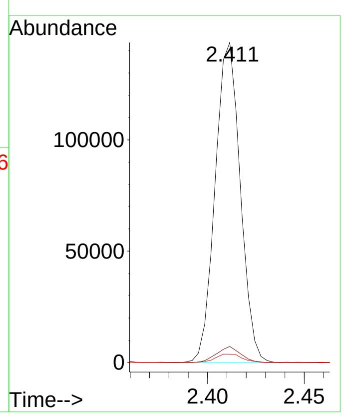


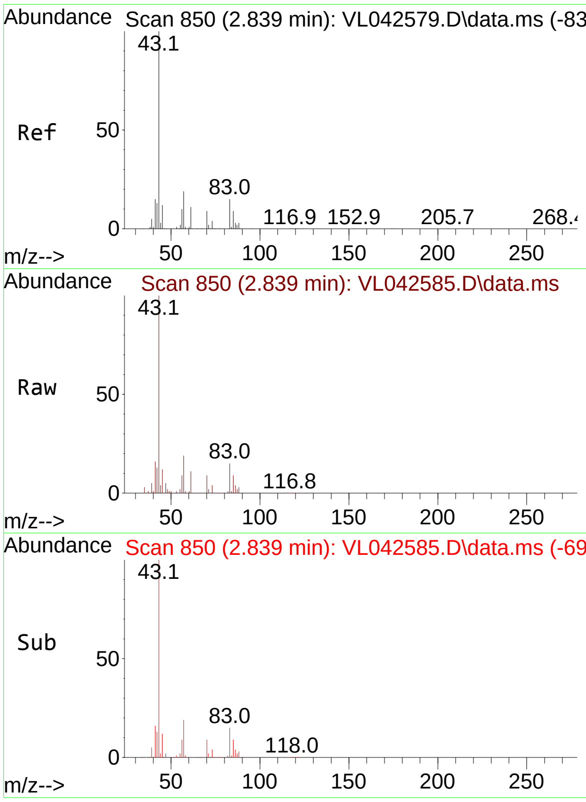


#24
1,1-Dichloroethane
Concen: 13.067 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 63 Resp: 129870

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.1
100	2.6	1.4	4.0





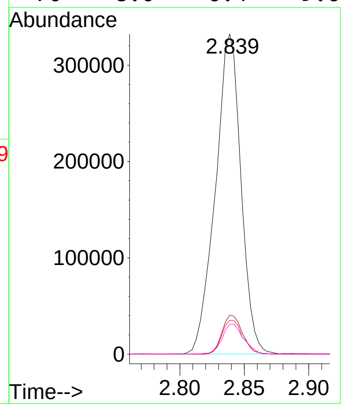
#25
Ethyl Acetate
Concen: 13.352 ppbv
RT: 2.839 min Scan# 8

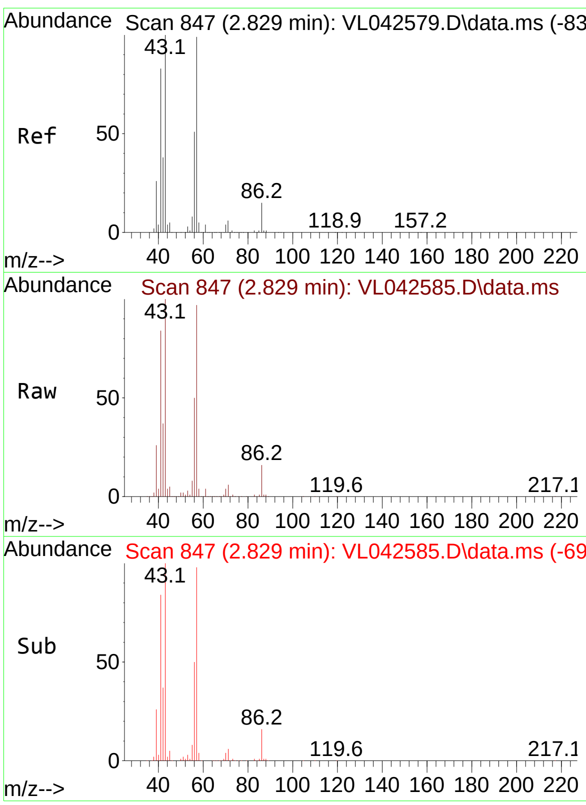
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 457327

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.2	12.2
61	8.7	7.1	10.7
70	8.0	6.4	9.6

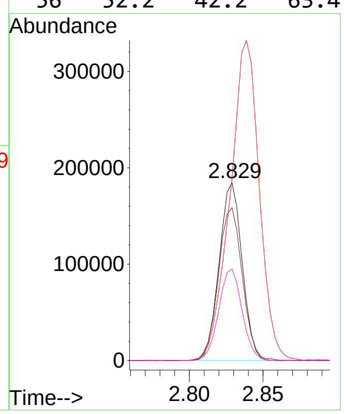


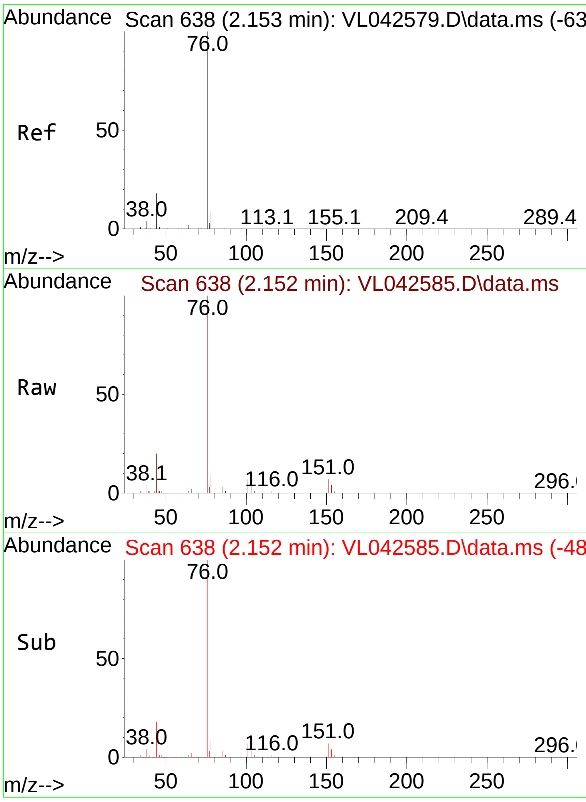


#26
Hexane
Concen: 12.876 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 57 Resp: 200386

Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.6	106.0
43	229.1	181.1	271.7
56	52.2	42.2	63.4



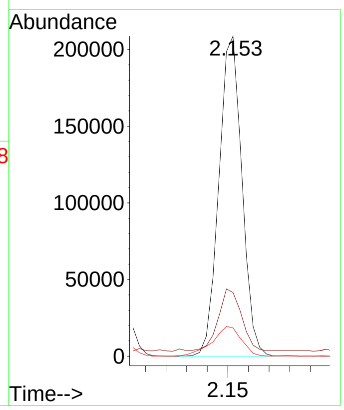


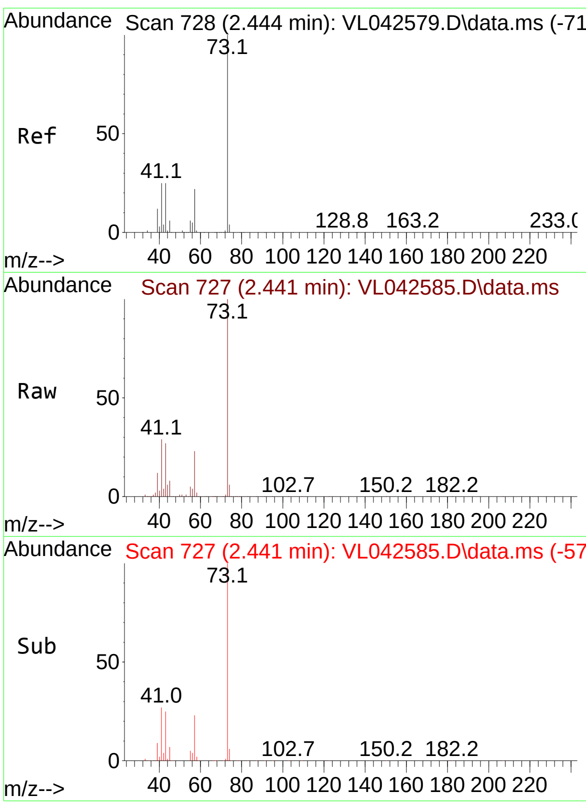
#27
Carbon Disulfide
Concen: 13.571 ppbv
RT: 2.152 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 162143

Ion	Ratio	Lower	Upper
76	100		
44	23.4	21.3	31.9
78	11.9	9.4	14.0

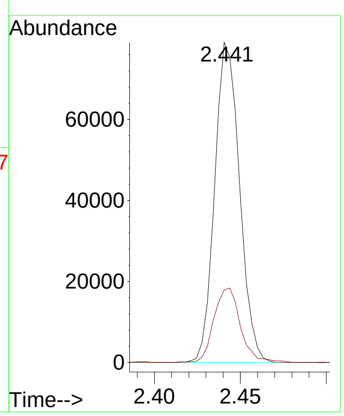


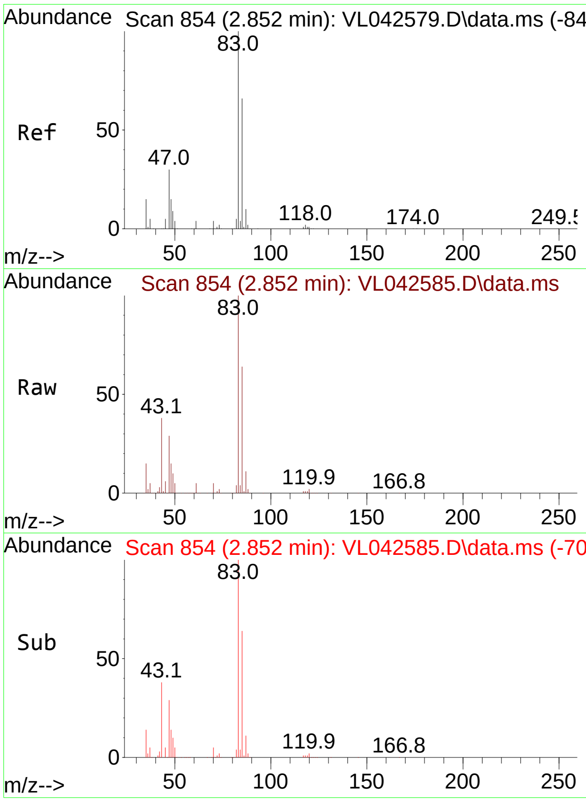


#28
Methyl tert-Butyl Ether
Concen: 12.608 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 73 Resp: 79625

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.9	29.9



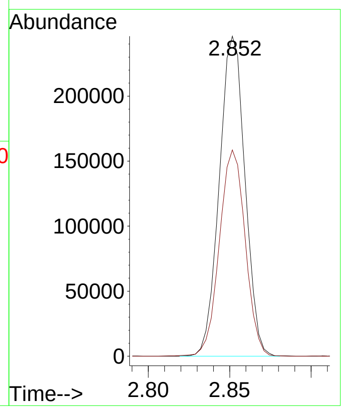


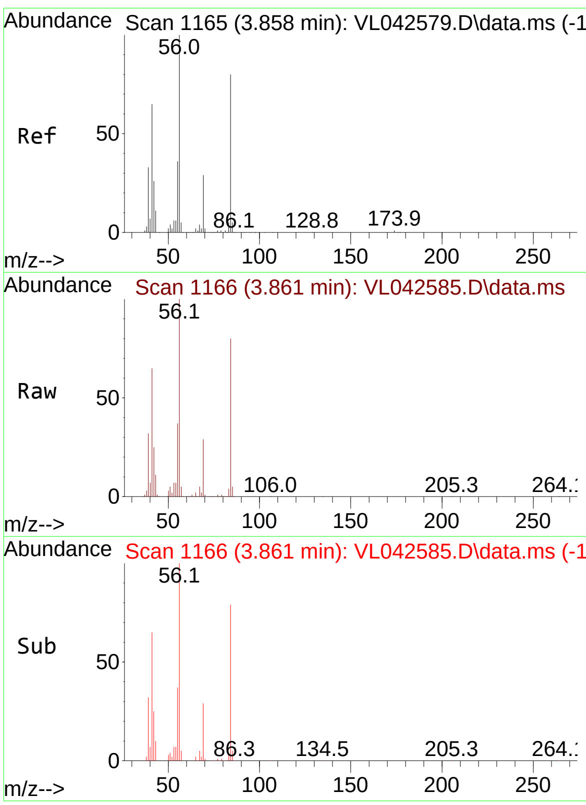
#29
Chloroform
Concen: 13.328 ppbv
RT: 2.852 min   Scan# 8
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 269752

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2

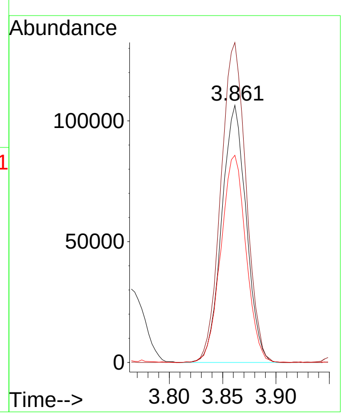


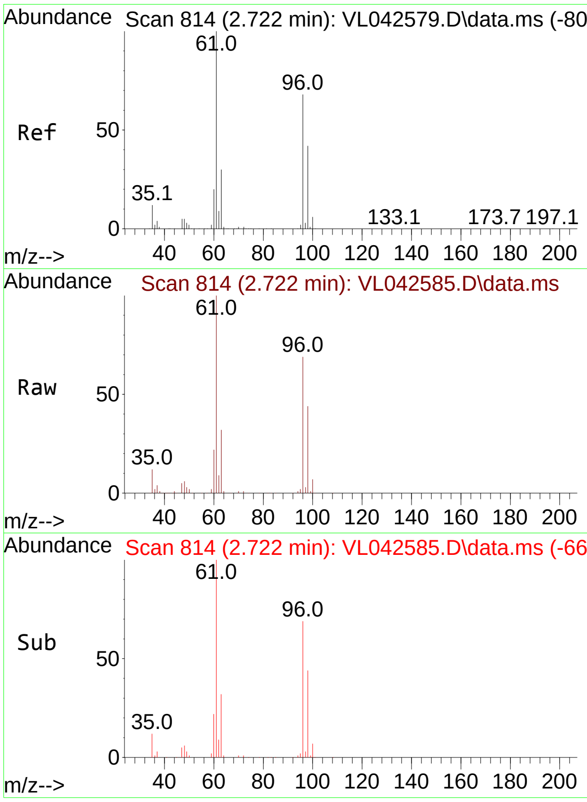


#30
Cyclohexane
Concen: 13.196 ppbv
RT: 3.861 min   Scan# 1166
Delta R.T.   0.003 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 84 Resp: 170261

Ion	Ratio	Lower	Upper
84	100		
56	127.6	103.7	155.5
41	82.4	65.1	97.7





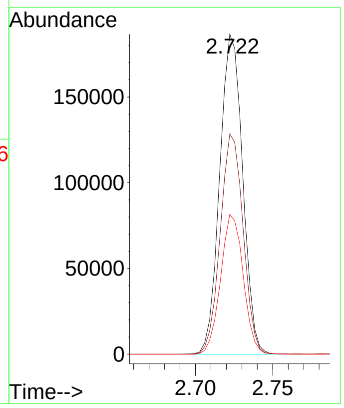
#31
cis-1,2-Dichloroethene
Concen: 13.526 ppbv
RT: 2.722 min Scan# 81

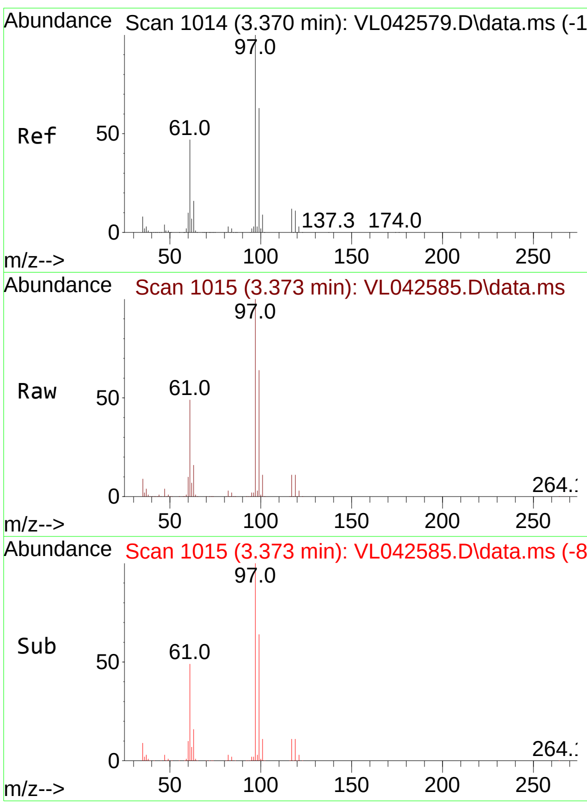
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 61 Resp: 192562

Ion	Ratio	Lower	Upper
61	100		
96	68.9	54.5	81.7
98	43.8	33.4	50.2

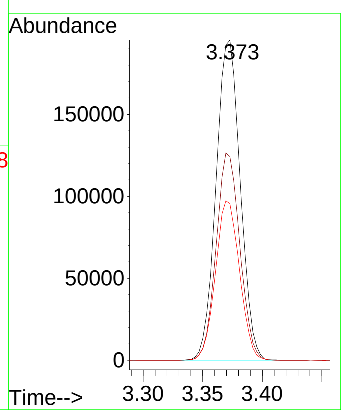


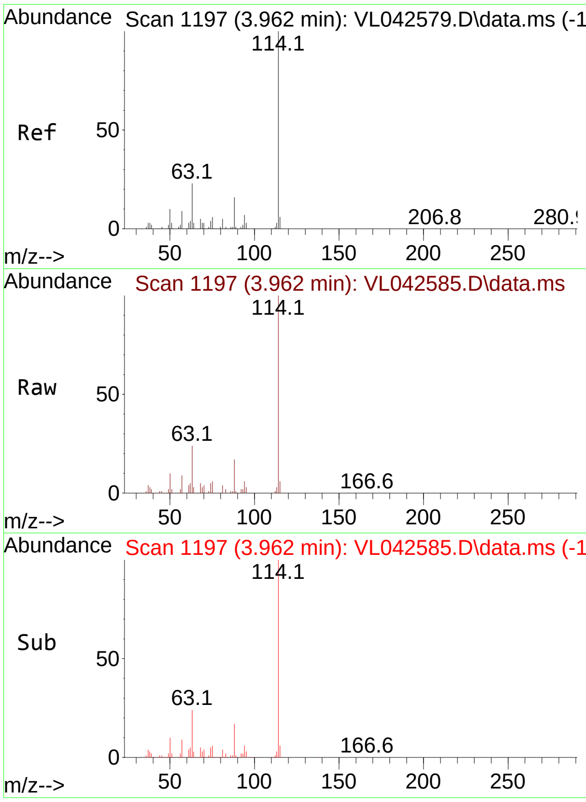


#32
1,1,1-Trichloroethane
Concen: 13.591 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 97 Resp: 276026

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	49.6	39.4	59.0



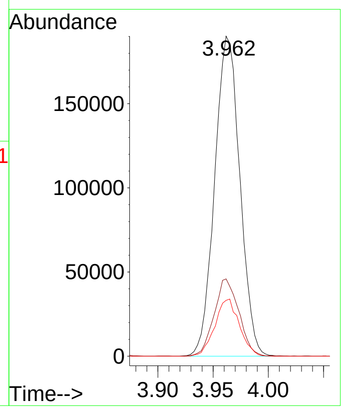


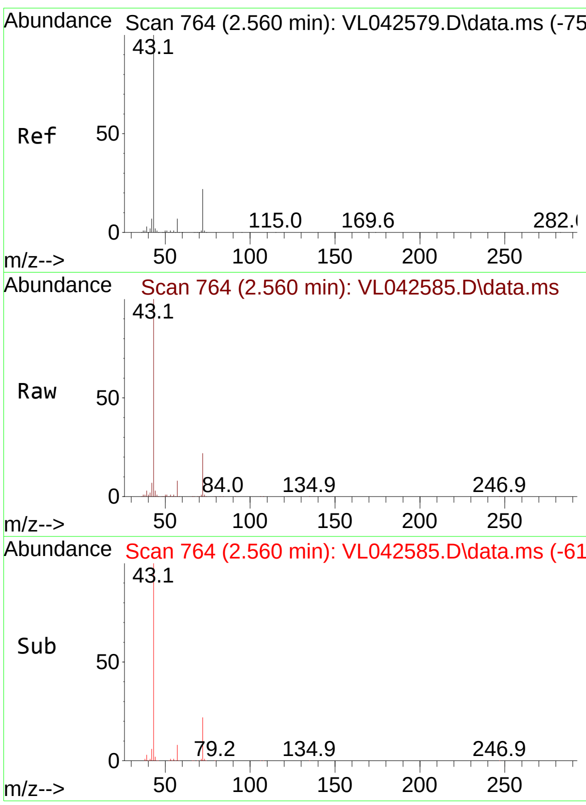
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 301797

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.0	28.6
88	17.4	13.6	20.4

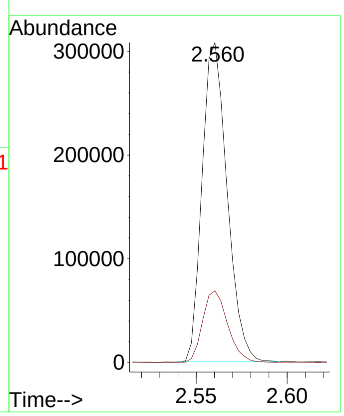


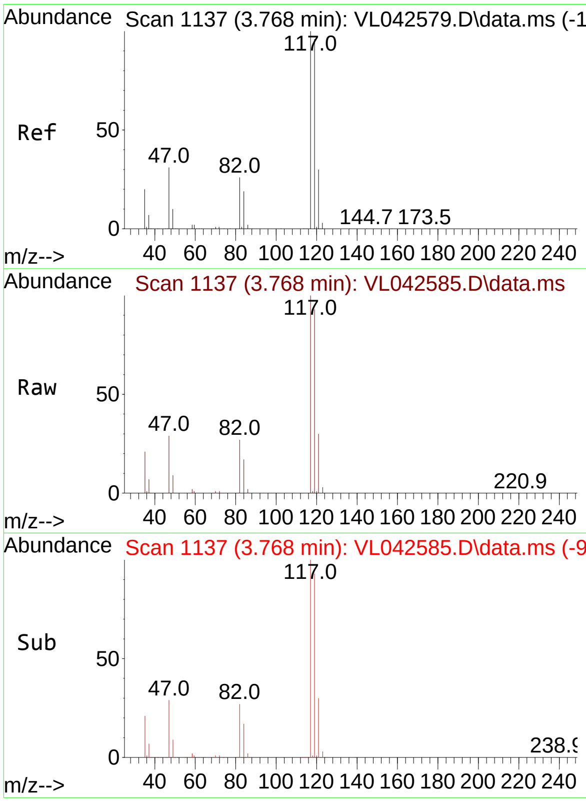


#34
2-Butanone
Concen: 13.689 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 294628

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5



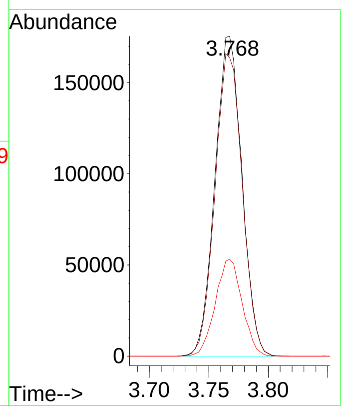


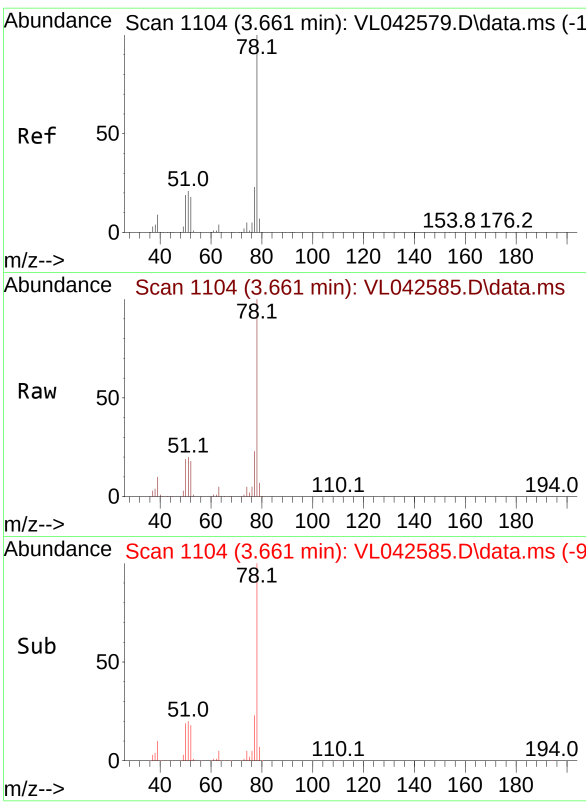
#35
Carbon Tetrachloride
Concen: 13.903 ppbv
RT: 3.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 277042

Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.8	115.2
121	30.3	24.3	36.5

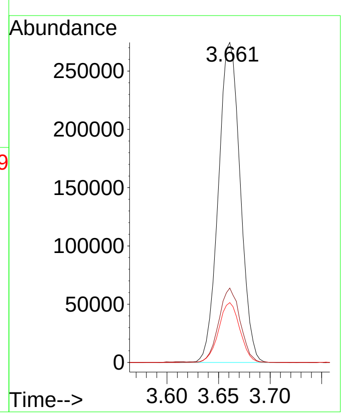


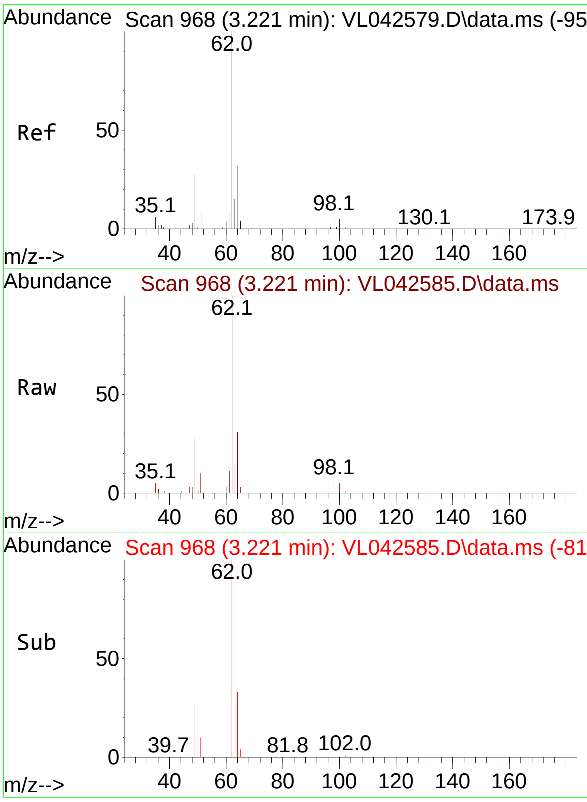


#36
Benzene
Concen: 13.615 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 78 Resp: 404641

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	18.7	15.2	22.8



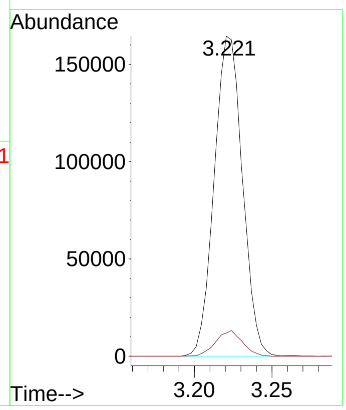


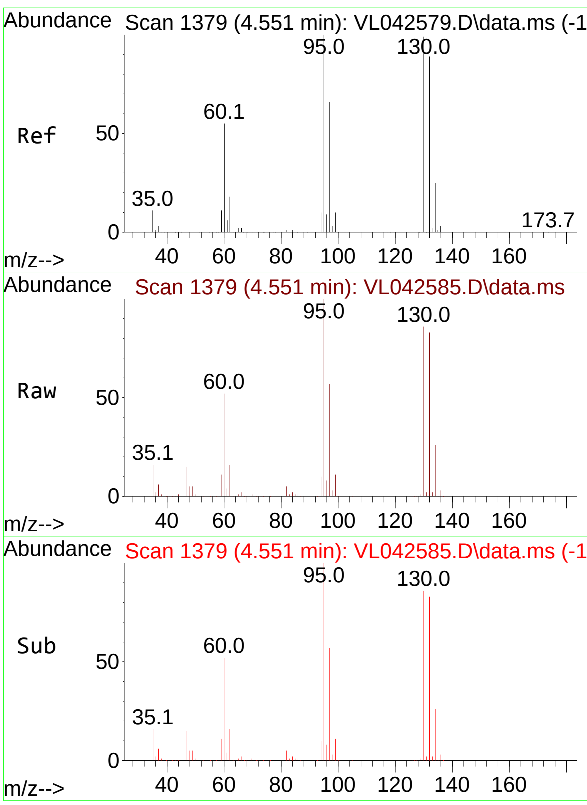
#37
1,2-Dichloroethane
Concen: 14.088 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 208081

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1

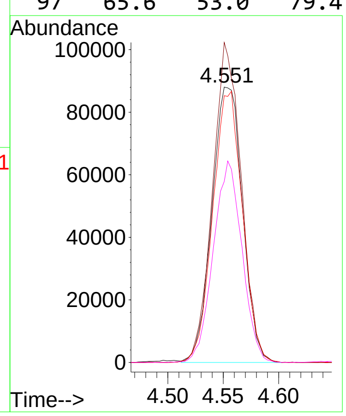


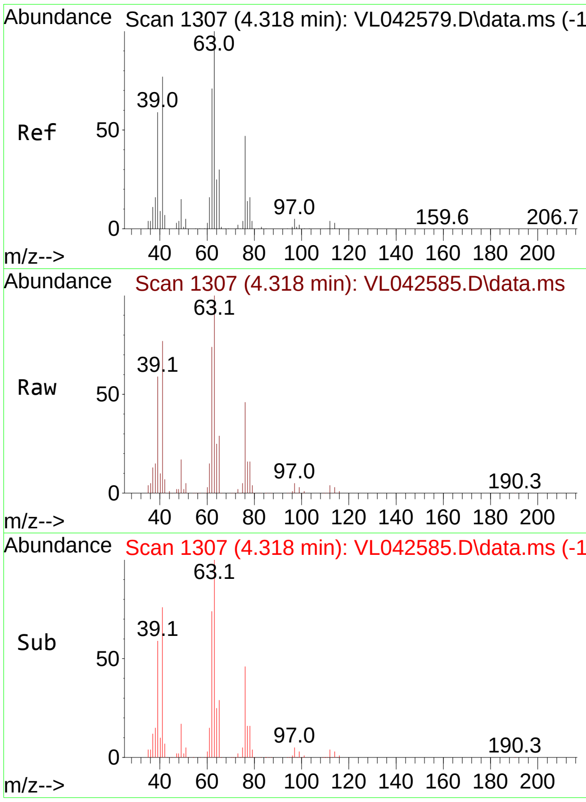


#38
Trichloroethene
Concen: 13.263 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:130 Resp: 168824

Ion	Ratio	Lower	Upper
130	100		
95	116.2	80.6	121.0
132	96.9	71.8	107.6
97	65.6	53.0	79.4





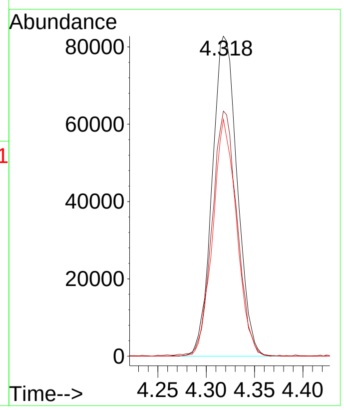
#39
1,2-Dichloropropane
Concen: 13.606 ppbv
RT: 4.318 min Scan# 1

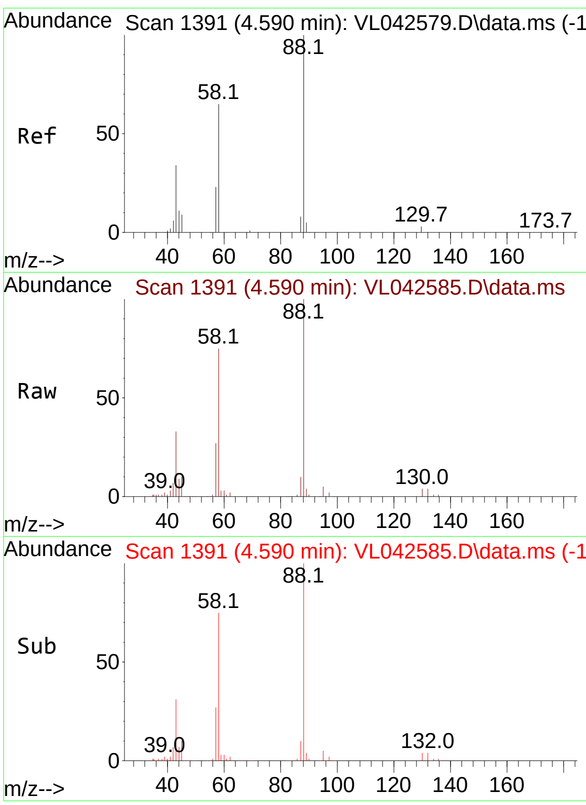
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 63 Resp: 149476

Ion	Ratio	Lower	Upper
63	100		
41	76.3	61.8	92.6
62	74.0	56.6	85.0

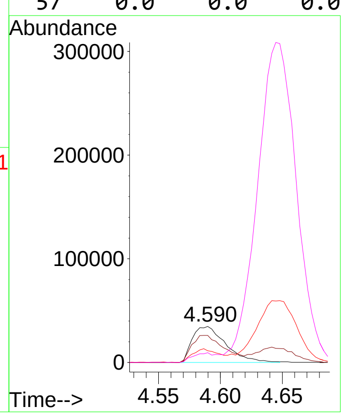


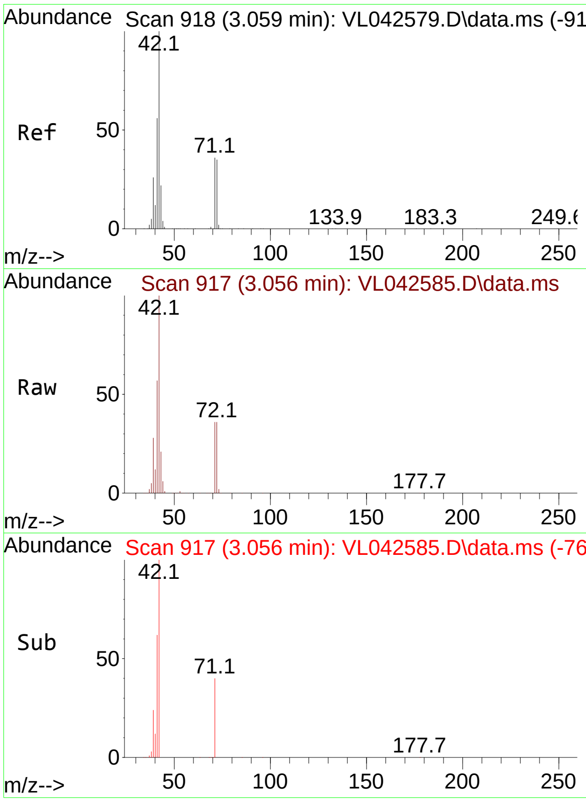


#40
1,4-Dioxane
Concen: 14.035 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 88 Resp: 65543

Ion	Ratio	Lower	Upper
88	100		
58	70.8	55.8	83.8
43	29.8	24.8	37.2
57	0.0	0.0	0.0





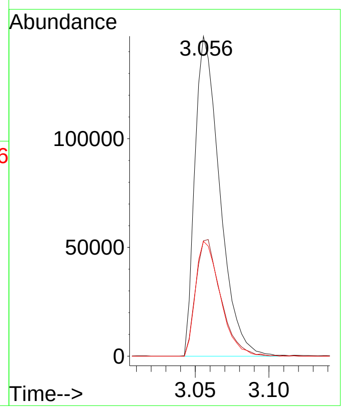
#41
Tetrahydrofuran
Concen: 13.734 ppbv
RT: 3.056 min Scan# 9

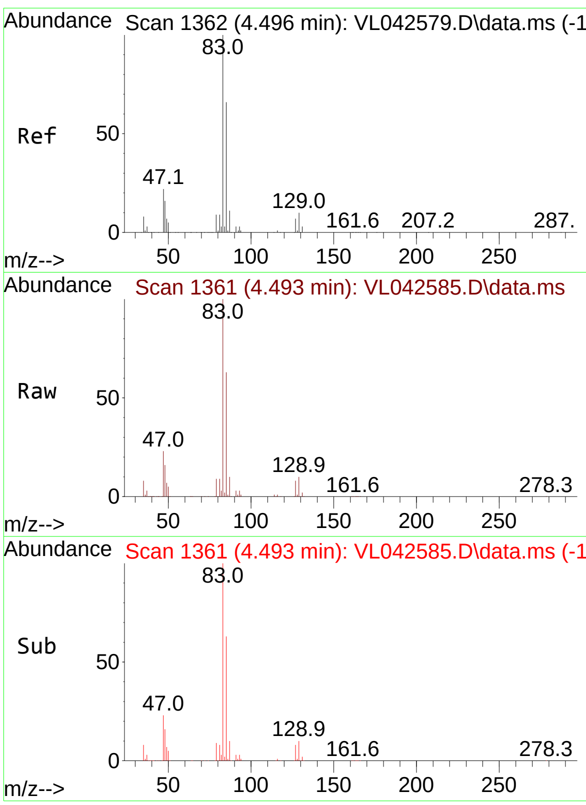
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 42 Resp: 173023

Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.9	43.3
71	35.8	28.5	42.7

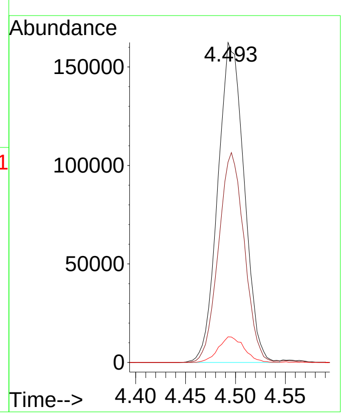


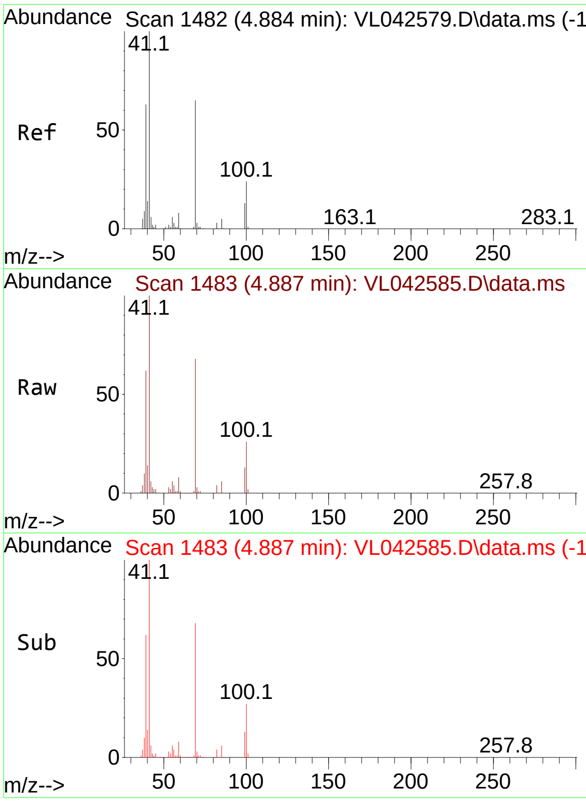


#42
Bromodichloromethane
Concen: 14.245 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 83 Resp: 298835

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.7	79.1
127	8.0	5.8	8.6



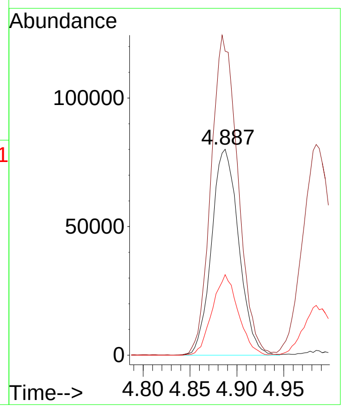


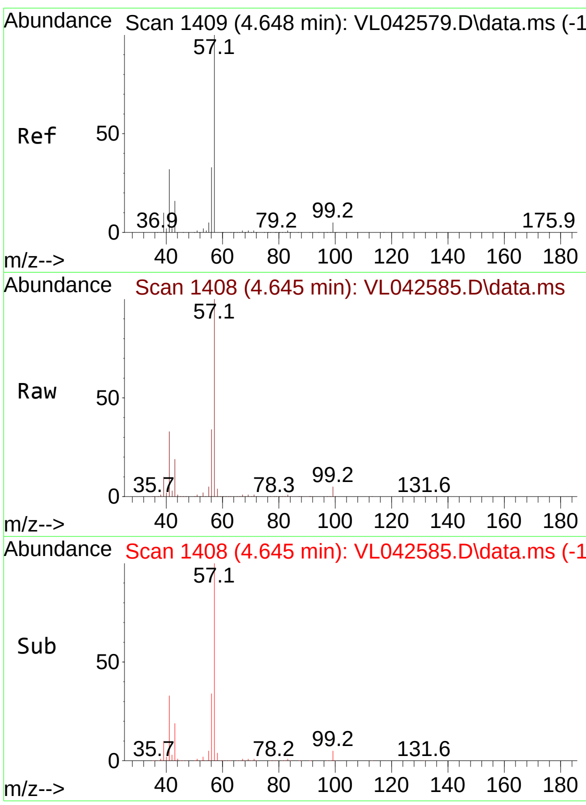
#43
Methyl Methacrylate
Concen: 14.033 ppbv
RT: 4.887 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 161641

Ion	Ratio	Lower	Upper
69	100		
41	154.3	124.6	187.0
100	37.3	29.9	44.9

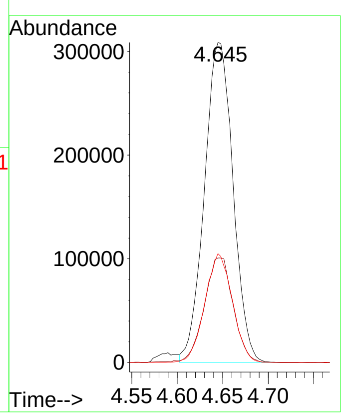


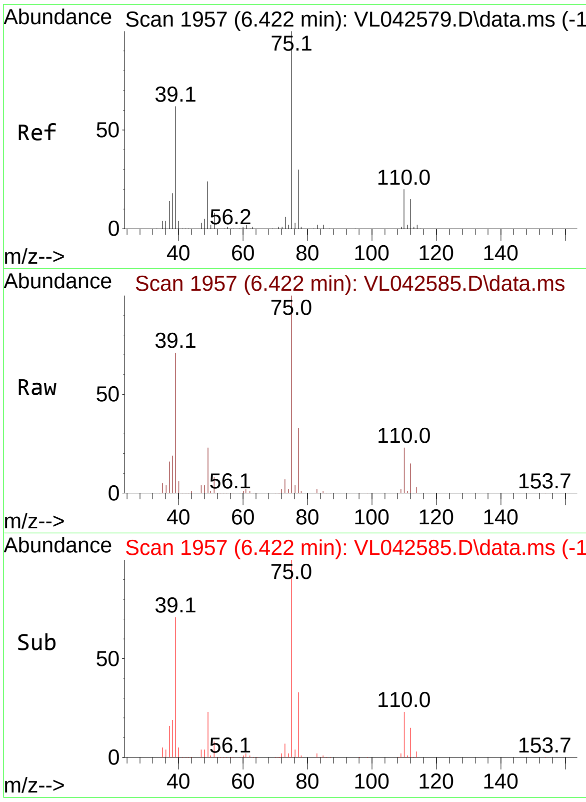


#44
2,2,4-Trimethylpentane
Concen: 13.319 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 57 Resp: 676574

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.1	39.1
56	32.7	25.9	38.9



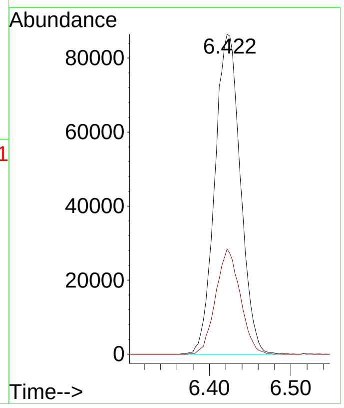


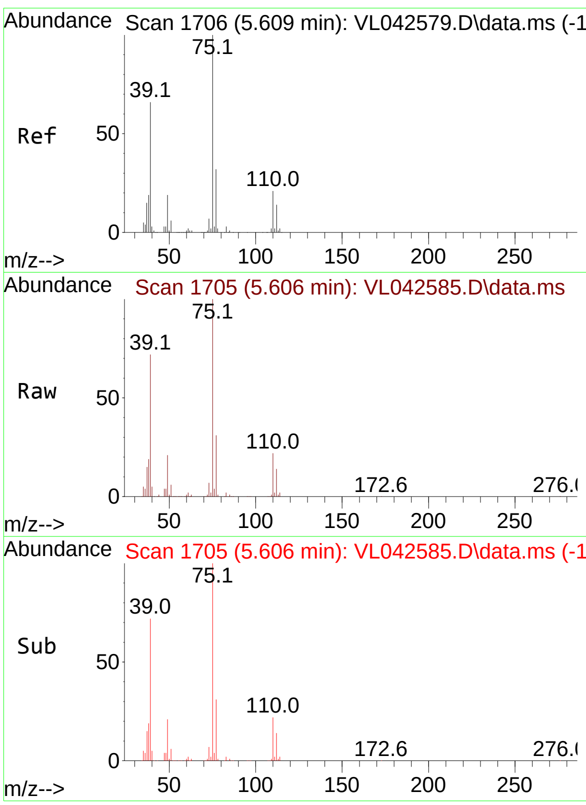
#45
t-1,3-Dichloropropene
Concen: 14.338 ppbv
RT: 6.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 189257

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.2	36.2

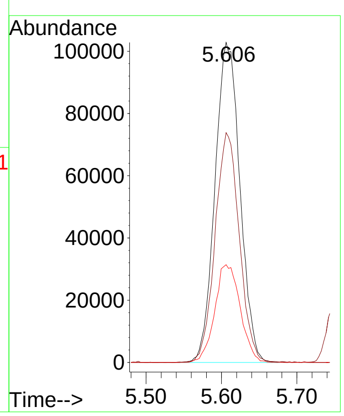


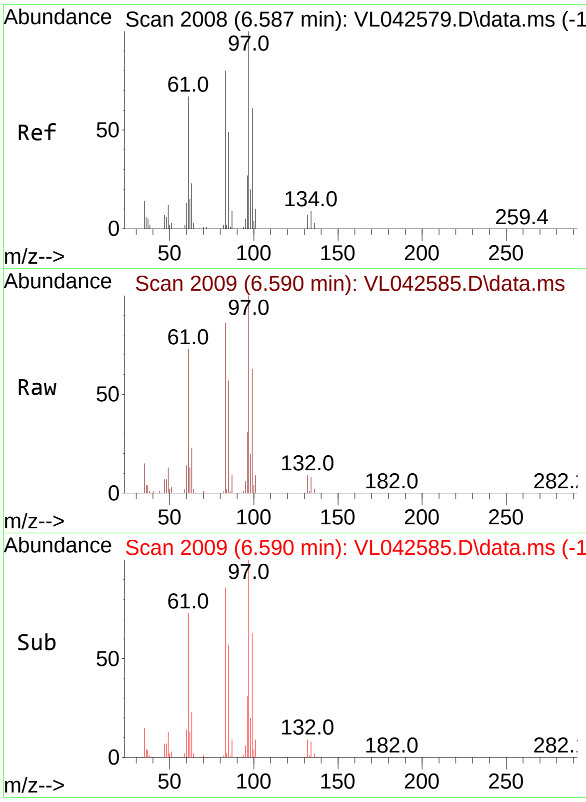


#46
cis-1,3-Dichloropropene
Concen: 14.313 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 75 Resp: 236653

Ion	Ratio	Lower	Upper
75	100		
39	71.7	52.7	79.1
77	30.6	25.8	38.8



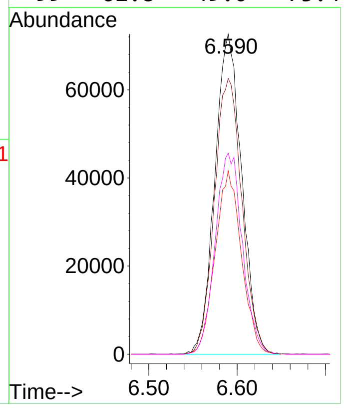


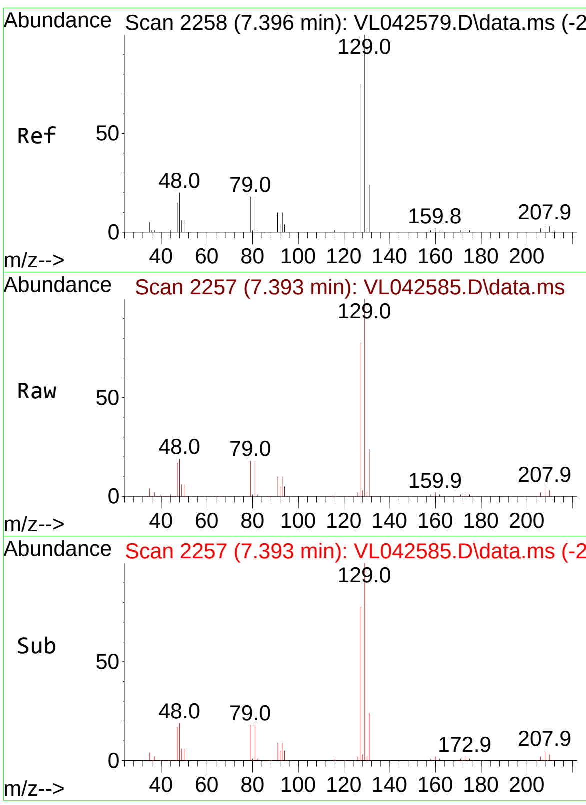
#47
1,1,2-Trichloroethane
Concen: 13.524 ppbv
RT: 6.590 min   Scan# 2
Delta R.T.   0.003 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 153862

Ion	Ratio	Lower	Upper
97	100		
83	86.0	63.9	95.9
85	57.3	39.2	58.8
99	62.8	49.0	73.4

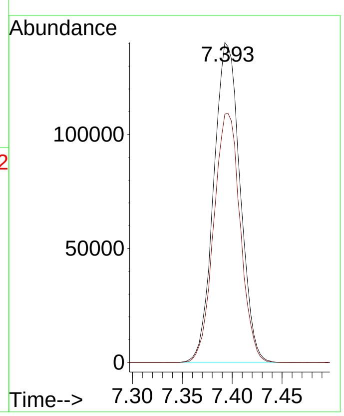


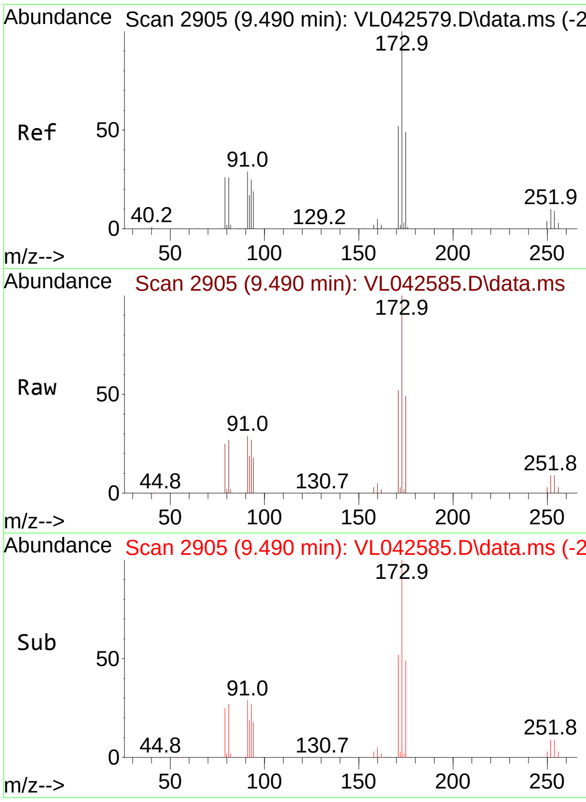


#48
Dibromochloromethane
Concen: 14.187 ppbv
RT: 7.393 min   Scan# 2257
Delta R.T.   -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion:129 Resp: 258374

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.0	116.9



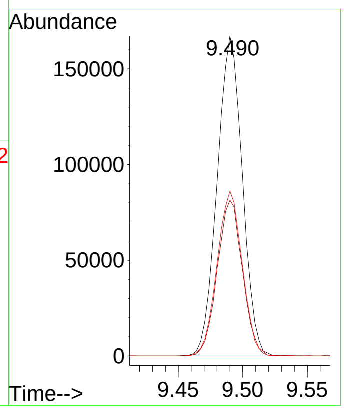


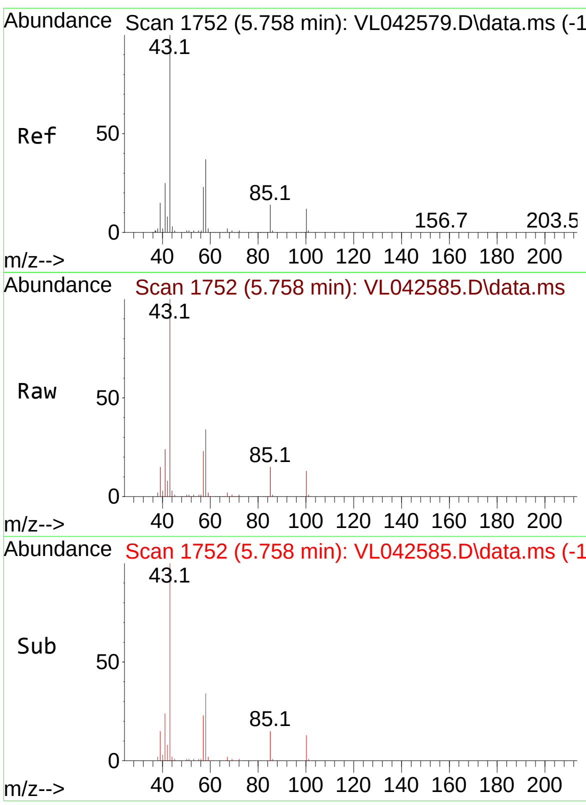
#49
Bromoform
Concen: 14.427 ppbv
RT: 9.490 min   Scan# 2
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 226719

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
171	51.5	41.2	61.8

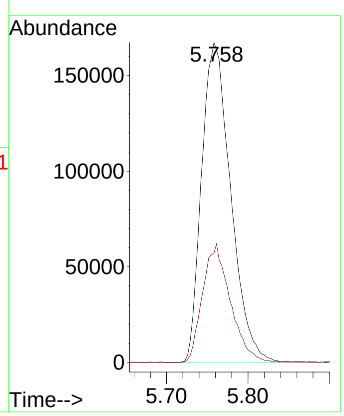


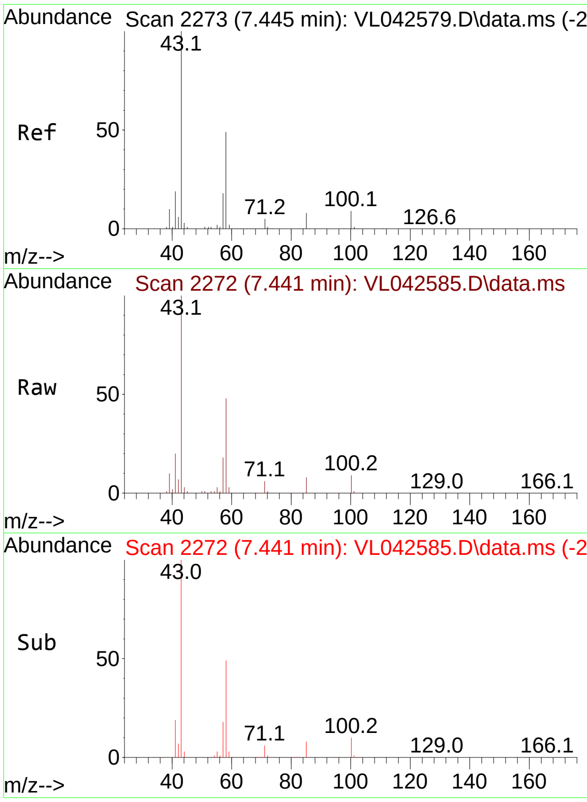


#50
4-Methyl-2-Pentanone
Concen: 13.882 ppbv
RT: 5.758 min   Scan# 1752
Delta R.T.   -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025   14:24

Tgt Ion: 43 Resp: 416119

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.3	42.5





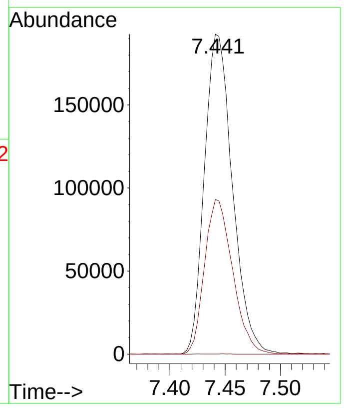
#51
2-Hexanone
Concen: 14.328 ppbv
RT: 7.441 min Scan# 2

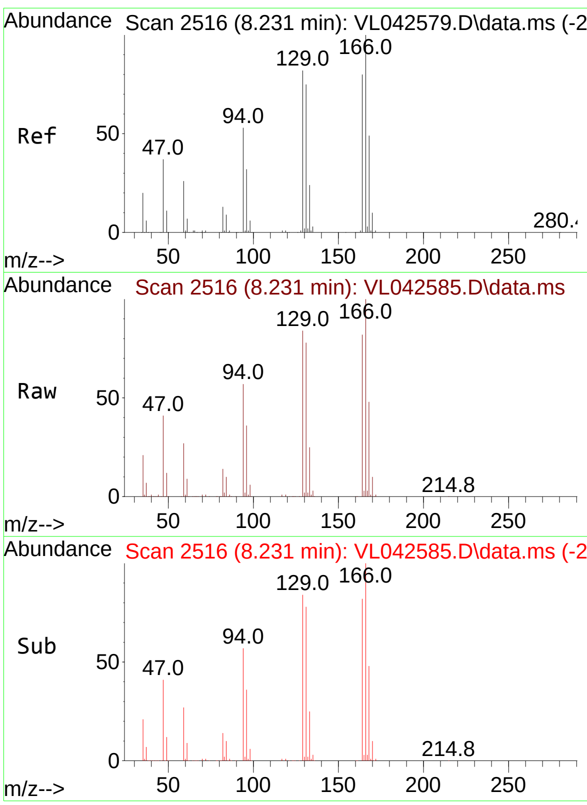
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 43 Resp: 339220

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.9	59.9
98	0.1	0.1	0.1

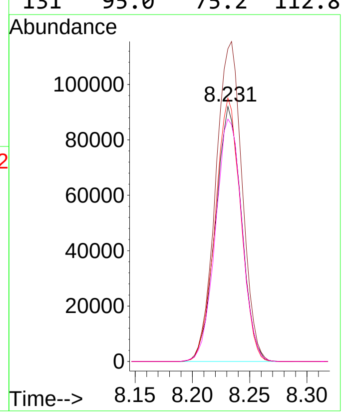


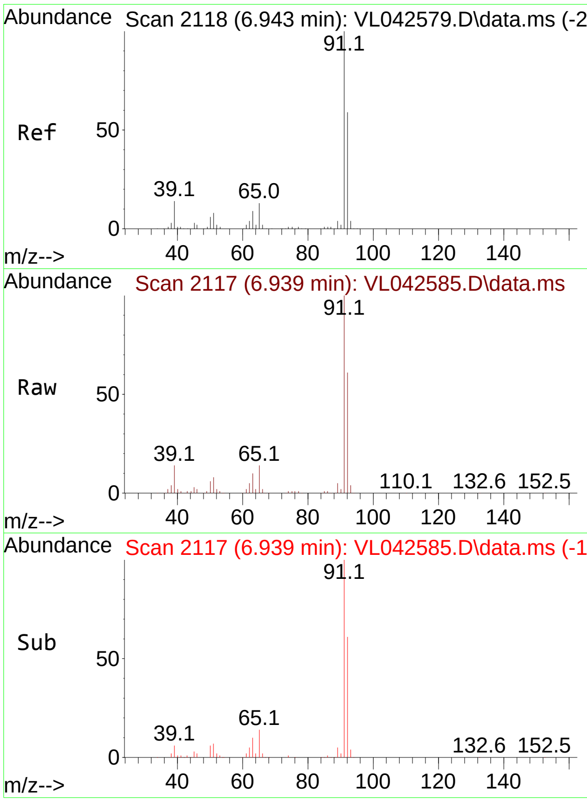


#52
Tetrachloroethene
Concen: 13.098 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:164 Resp: 145485

Ion	Ratio	Lower	Upper
164	100		
166	122.6	100.0	150.0
129	103.3	82.2	123.4
131	95.0	75.2	112.8



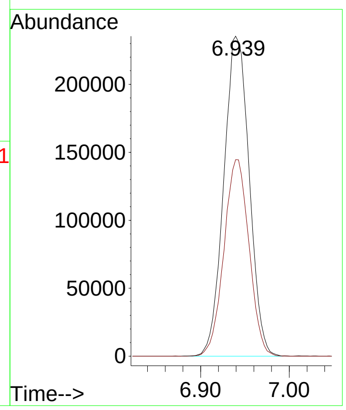


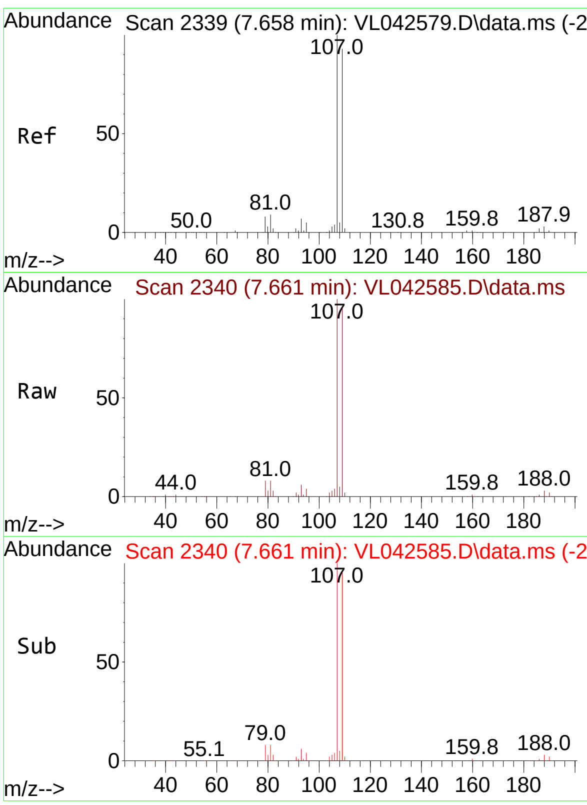
#53
Toluene
Concen: 13.702 ppbv
RT: 6.939 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 470632

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.2	72.4

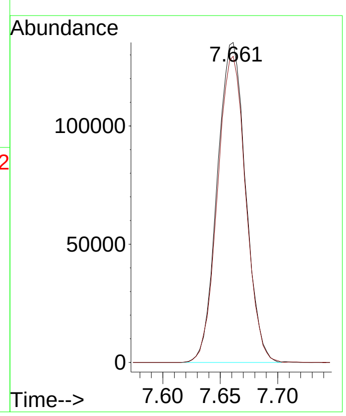


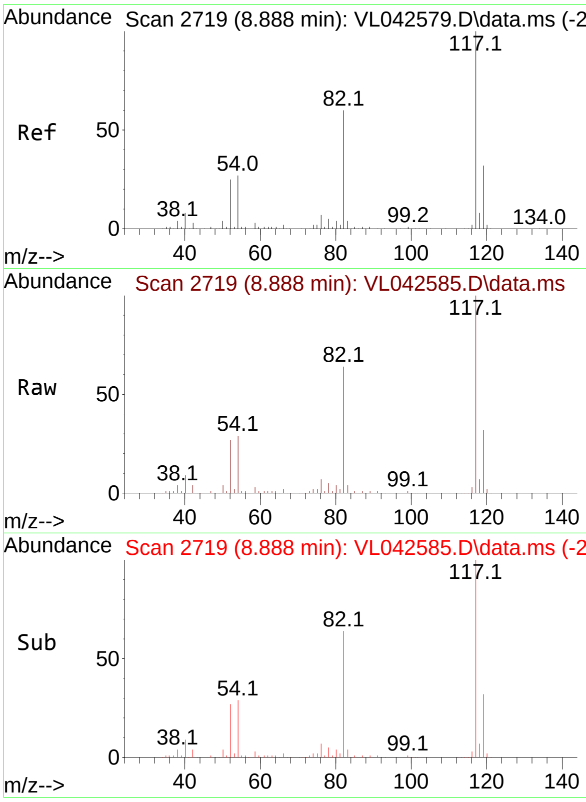


#54
1,2-Dibromoethane
Concen: 13.758 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:107 Resp: 232051

Ion	Ratio	Lower	Upper
107	100		
109	95.7	74.3	111.5



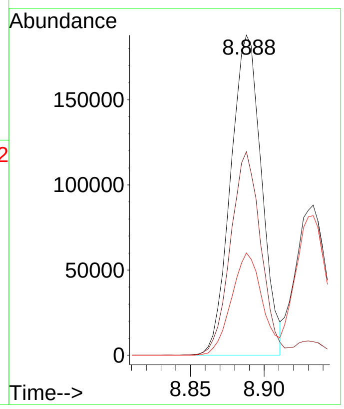


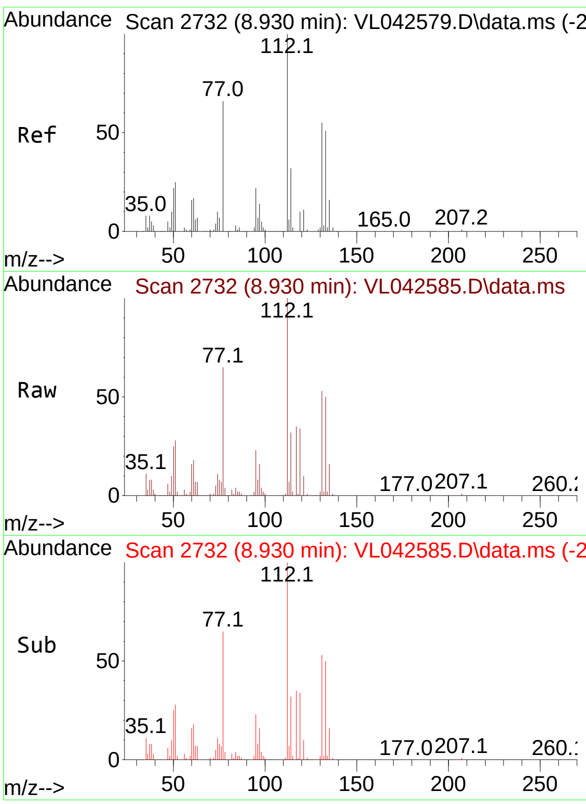
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 274912

Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.2	76.8
119	32.0	26.3	39.5

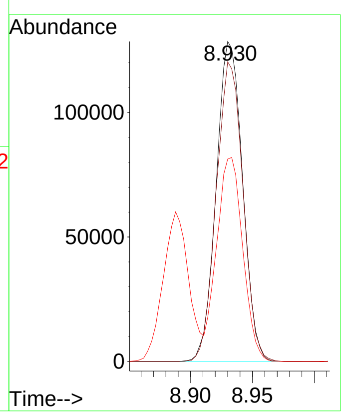


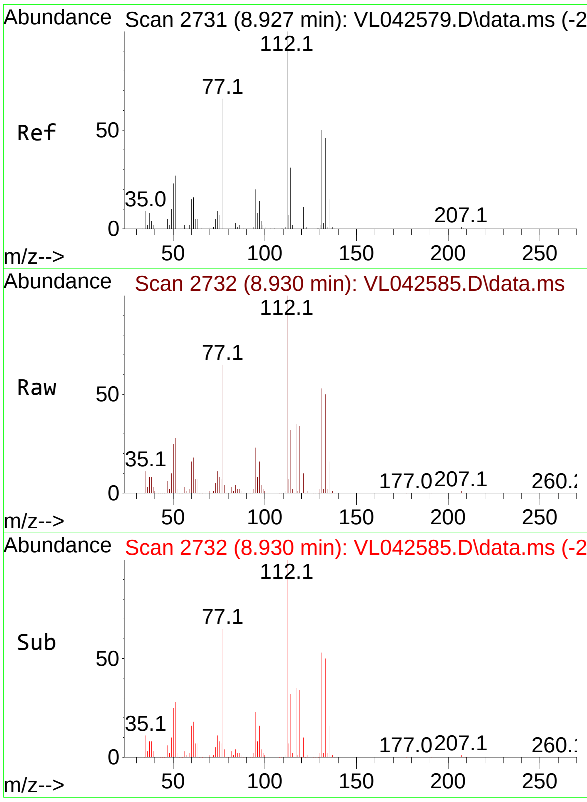


#56
1,1,1,2-Tetrachloroethane
Concen: 13.828 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:131 Resp: 191145

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.0	112.6
119	64.0	50.8	76.2



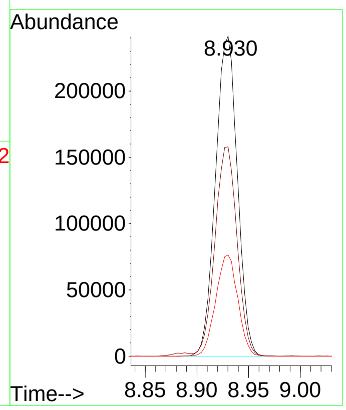


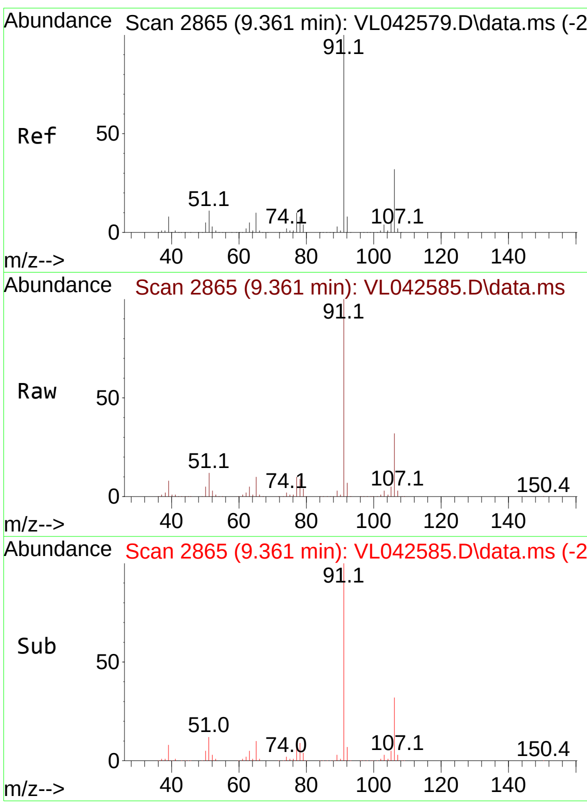
#57
Chlorobenzene
Concen: 13.361 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 356655

Ion	Ratio	Lower	Upper
112	100		
77	65.4	53.5	80.3
114	31.7	27.8	34.0

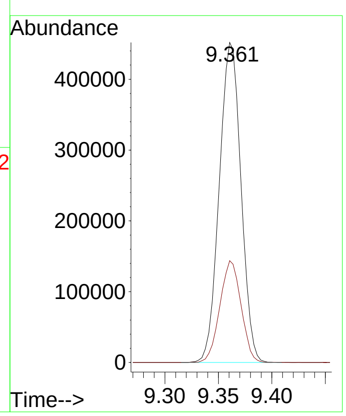


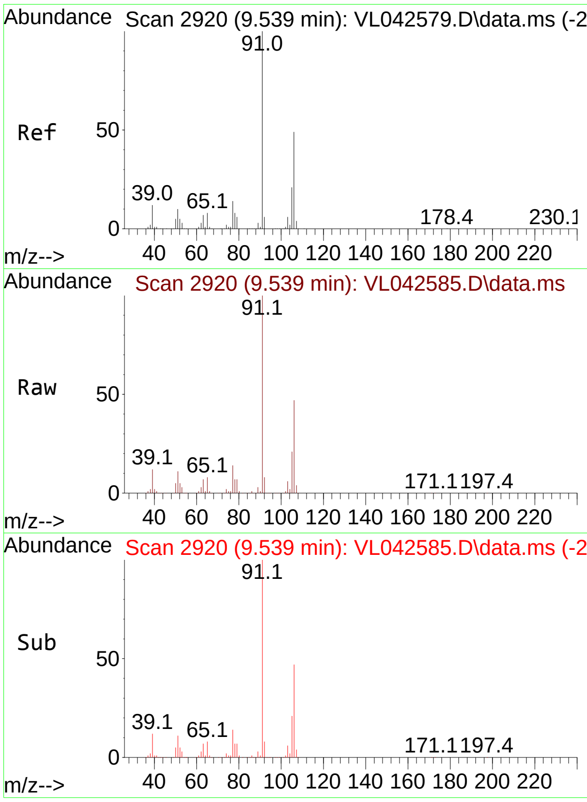


#58
Ethyl Benzene
Concen: 13.662 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 637083

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.9	38.9



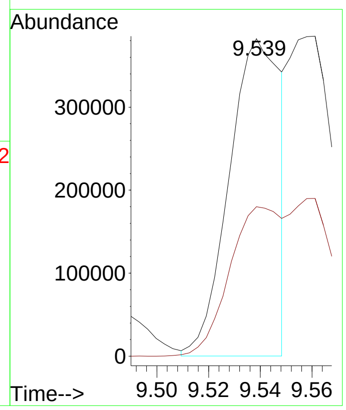


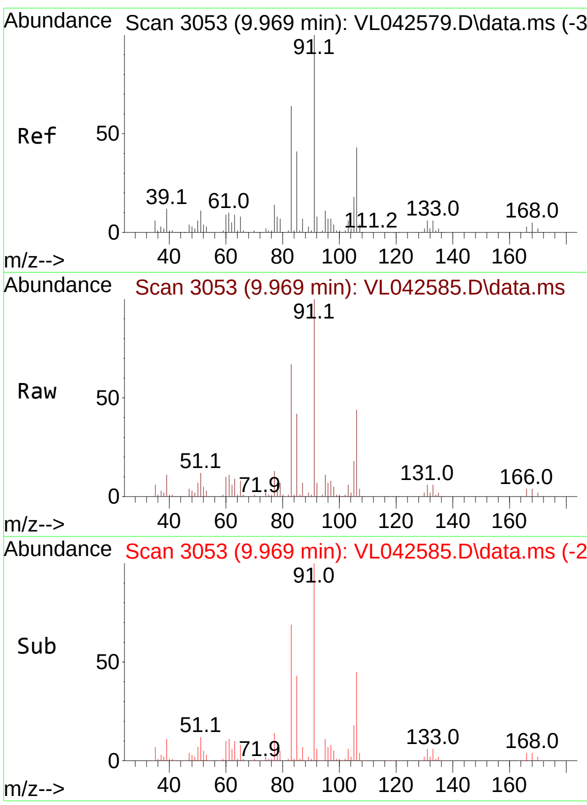
#59
m/p-Xylene
Concen: 14.249 ppbv
RT: 9.539 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 523032

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

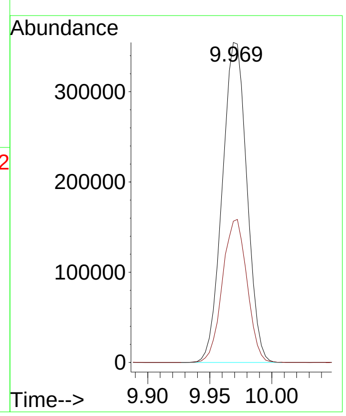


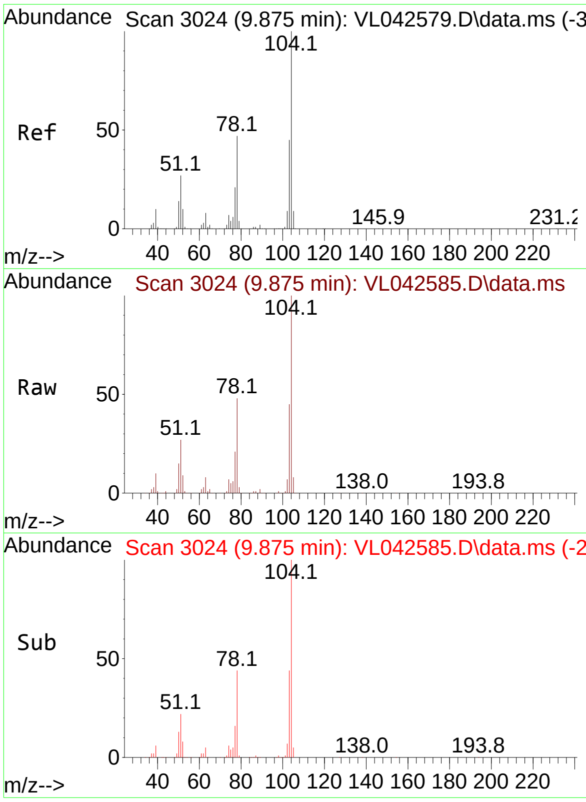


#60
o-Xylene
Concen: 13.389 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 490036

Ion	Ratio	Lower	Upper
91	100		
106	44.7	22.9	68.5

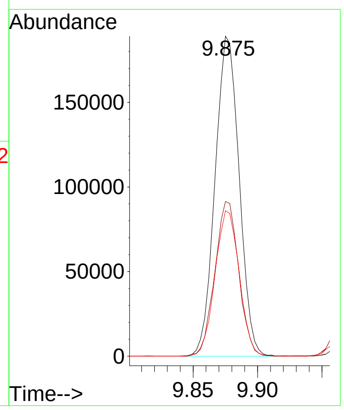


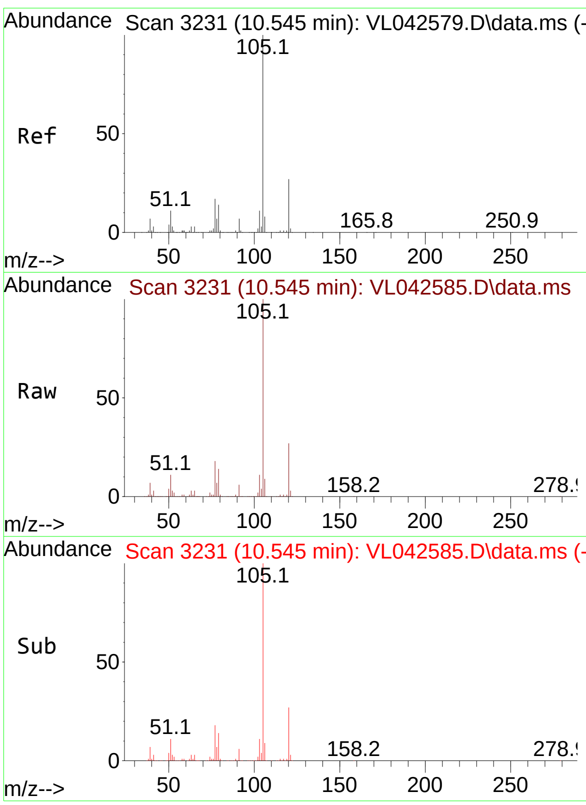



```
#61
Styrene
Concen:   14.199 ppbv
RT:   9.875 min  Scan# 3024
Delta R.T.  -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025  14:24

Tgt Ion:104 Resp:  245714
Ion  Ratio  Lower  Upper
104  100
 78   47.9   38.2   57.4
103   45.8   36.7   55.1
```

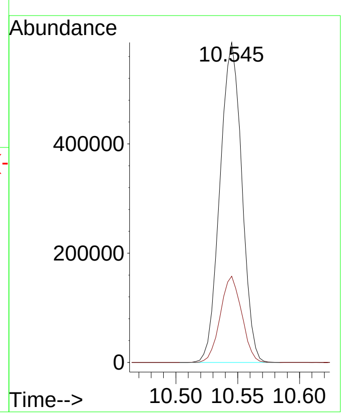
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

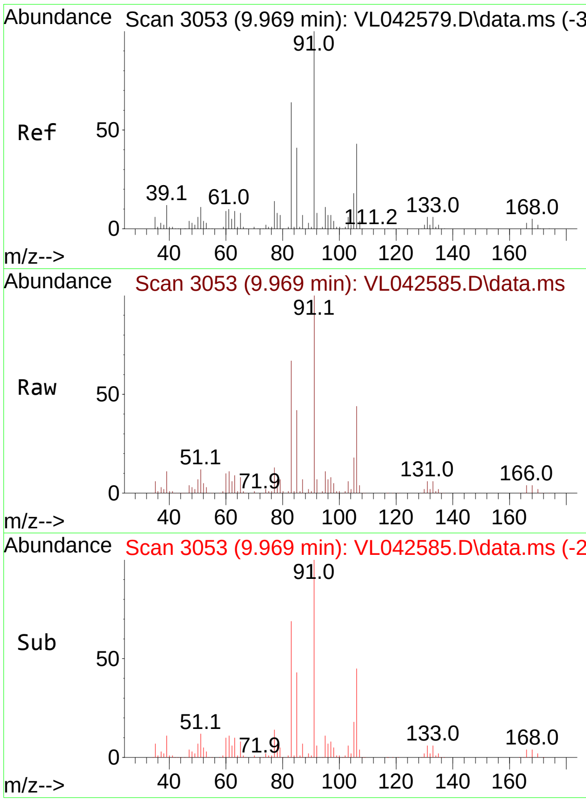





```
#62
Isopropylbenzene
Concen:   13.356 ppbv
RT:  10.545 min  Scan# 3231
Delta R.T.  -0.000 min
Lab File:   VL042585.D
Acq: 29 May 2025  14:24

Tgt Ion:105 Resp:  722166
Ion  Ratio  Lower  Upper
105  100
120   26.3   20.9   31.3
```



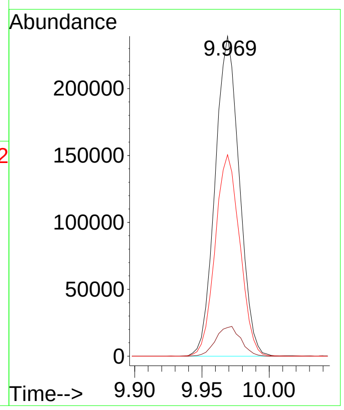


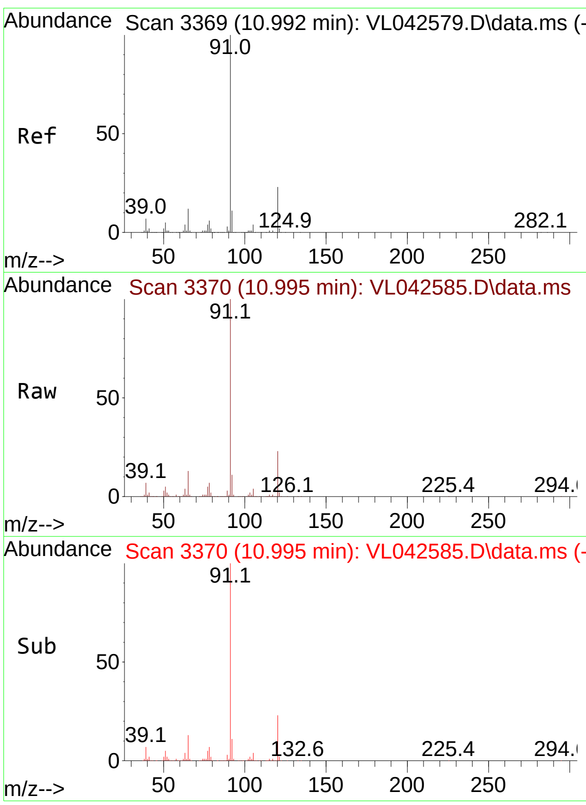
#63
1,1,2,2-Tetrachloroethane
Concen: 12.875 ppbv
RT: 9.969 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 299633

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.5	97.4

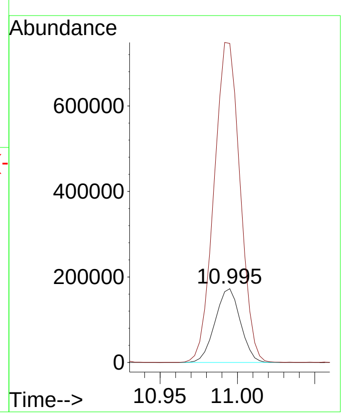


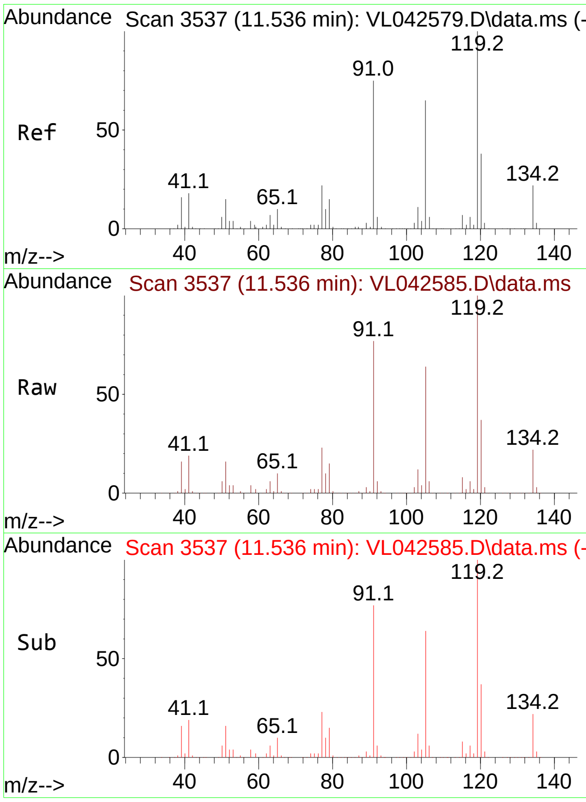


#64
n-propylbenzene
Concen: 13.519 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:120 Resp: 195952

Ion	Ratio	Lower	Upper
120	100		
91	446.5	363.0	544.6



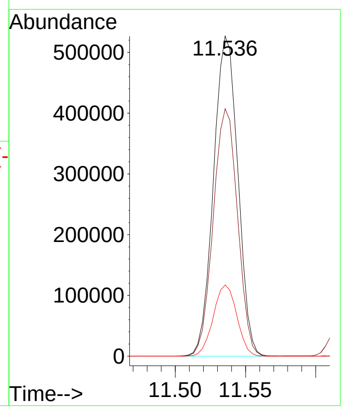


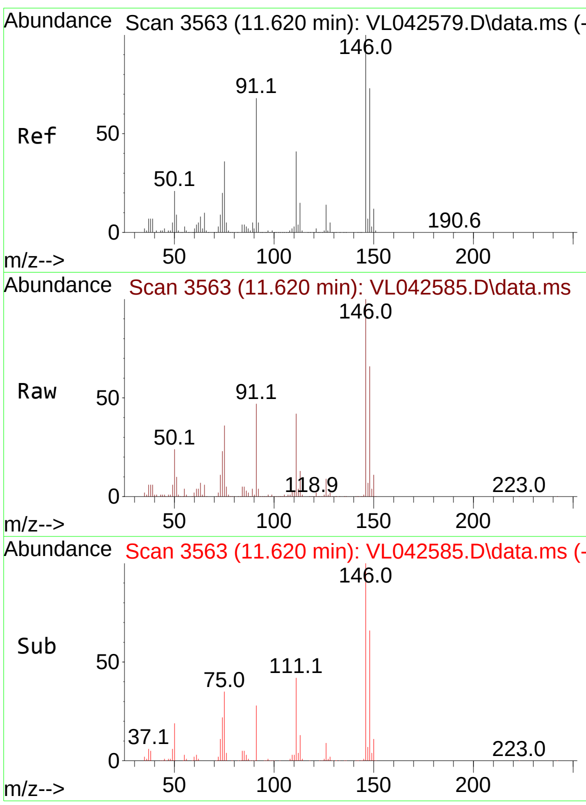
#65
tert-Butylbenzene
Concen: 12.924 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 634159

Ion	Ratio	Lower	Upper
119	100		
91	77.3	61.1	91.7
134	21.5	17.4	26.2

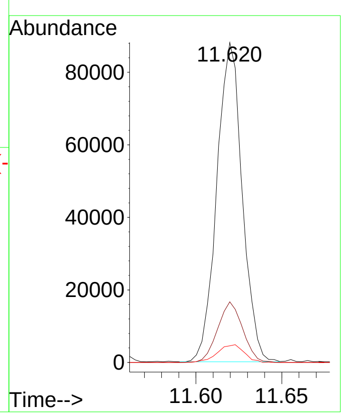


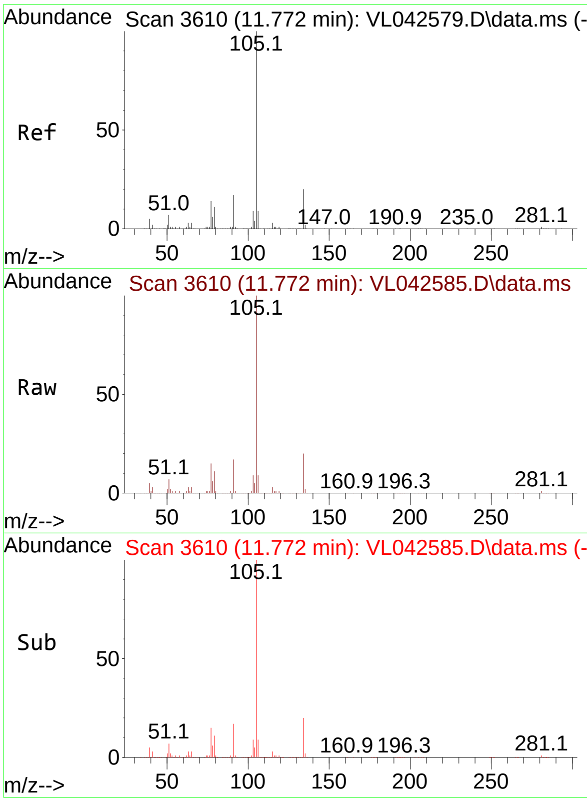


#66
Benzyl Chloride
Concen: 14.320 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 90617

Ion	Ratio	Lower	Upper
91	100		
126	18.7	15.1	22.7
128	5.9	5.0	7.6



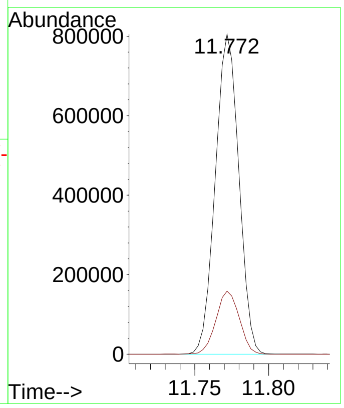


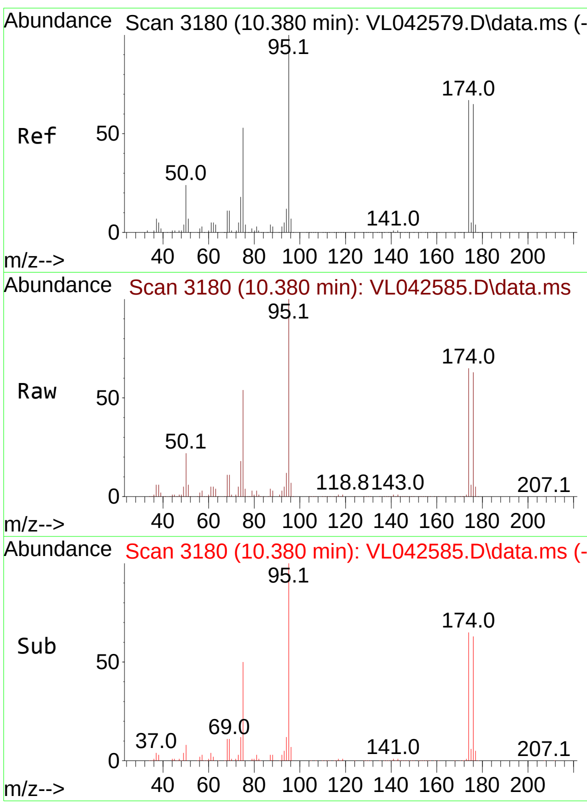
#67
sec-Butylbenzene
Concen: 12.939 ppbv
RT: 11.772 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 892638

Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.8	23.6

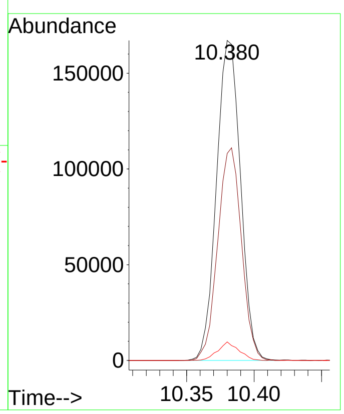


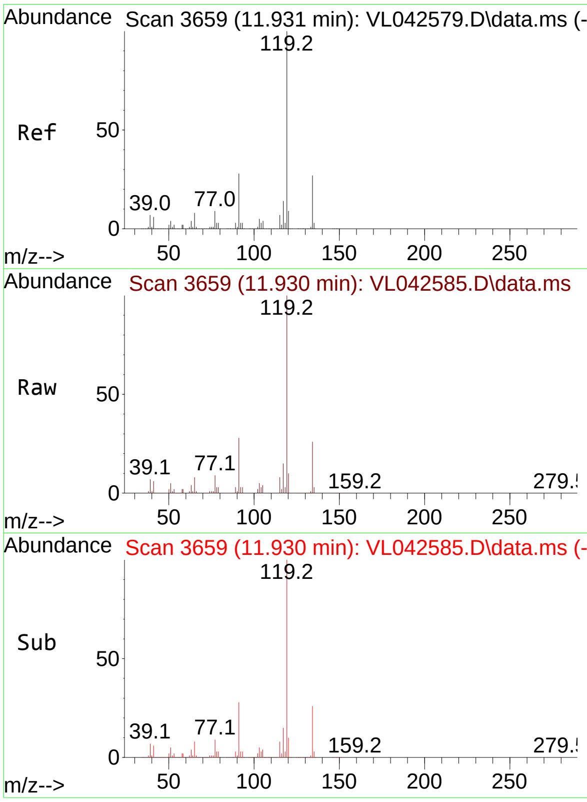


#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 95 Resp: 207170

Ion	Ratio	Lower	Upper
95	100		
174	65.7	53.1	79.7
175	5.1	4.2	6.2



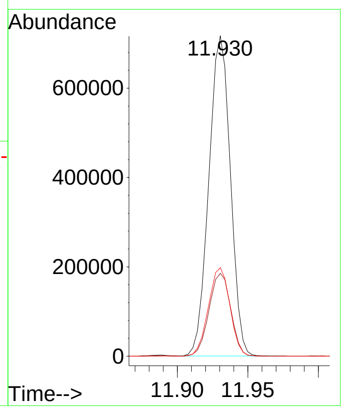


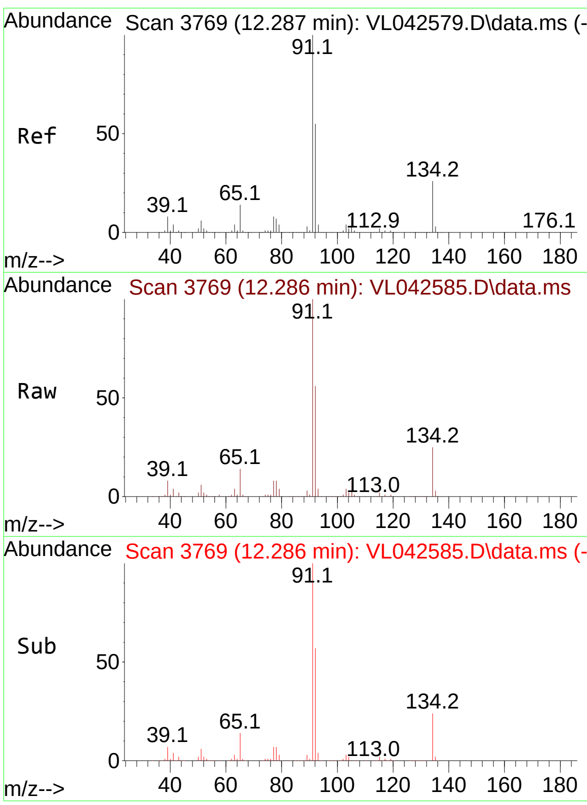
#69
p-Isopropyltoluene
Concen: 13.210 ppbv
RT: 11.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 763150

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.7	21.9	32.9

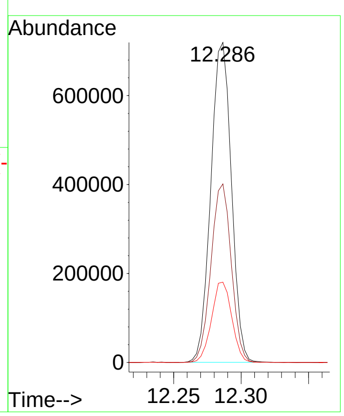


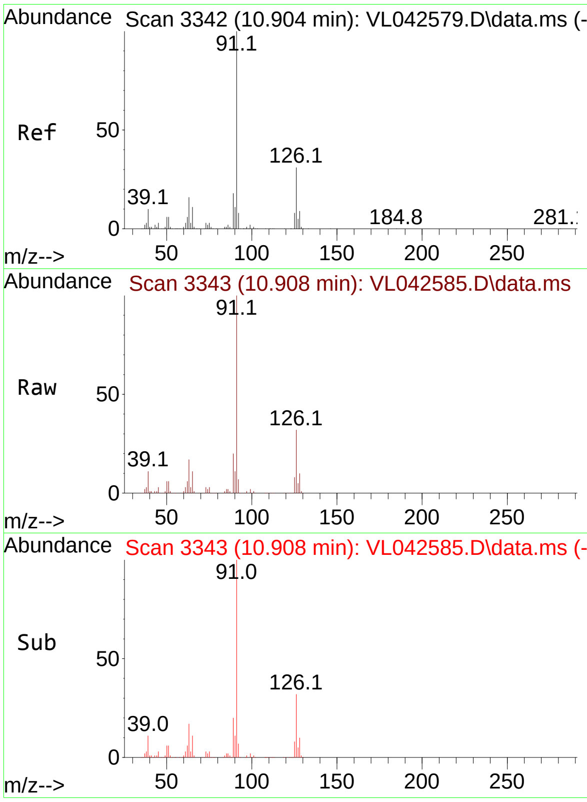


#70
n-Butylbenzene
Concen: 13.401 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 764173

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.4	66.6
134	24.8	20.1	30.1



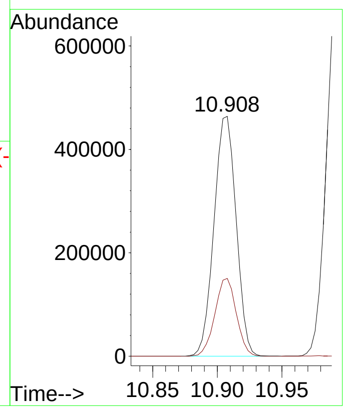


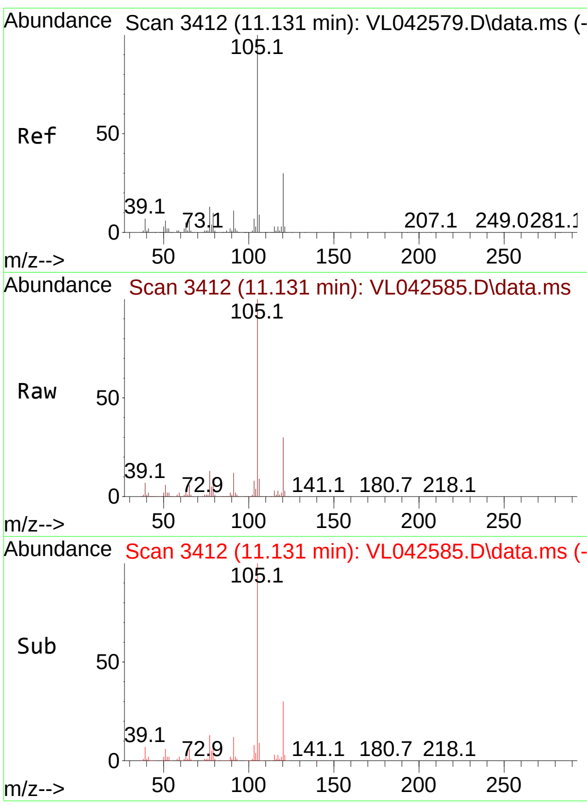
#71
2-Chlorotoluene
Concen: 13.390 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 552265

Ion	Ratio	Lower	Upper
91	100		
126	31.3	12.6	50.4

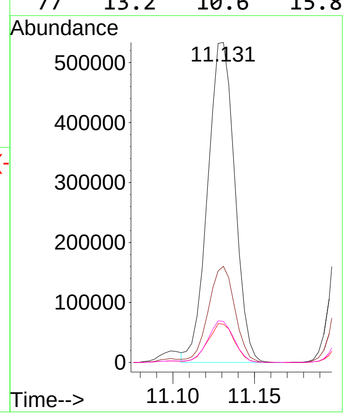


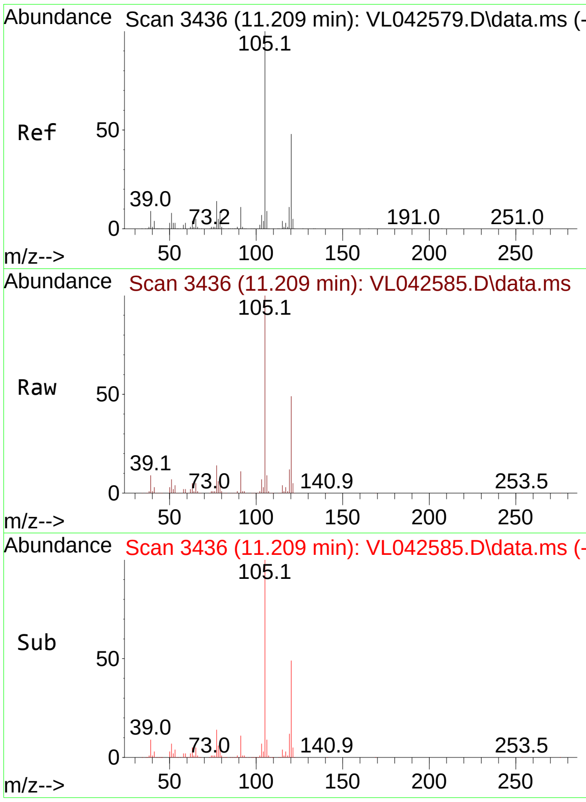


#72
4-Ethyltoluene
Concen: 13.504 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 616187

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.6	36.8
91	12.4	9.6	14.4
77	13.2	10.6	15.8





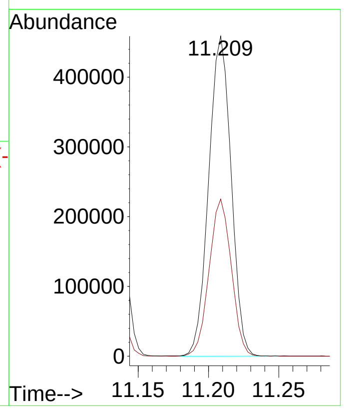
#73
1,3,5-Trimethylbenzene
Concen: 13.498 ppbv
RT: 11.209 min Scan# 34

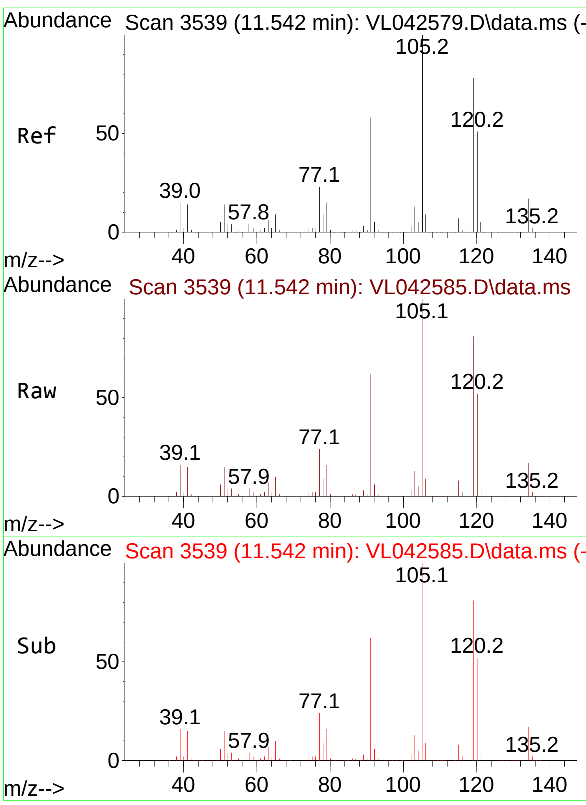
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 509801

Ion	Ratio	Lower	Upper
105	100		
120	49.1	38.8	58.2

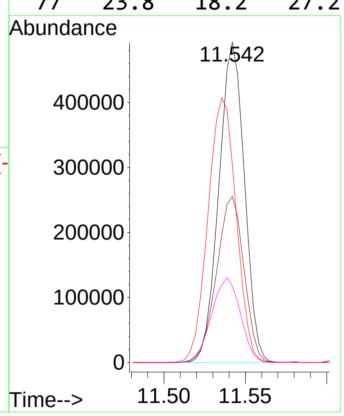


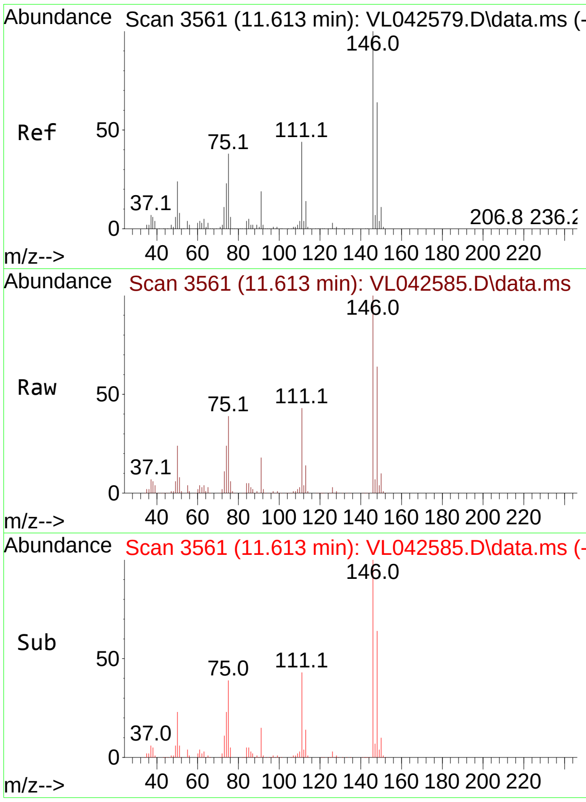


#74
1,2,4-Trimethylbenzene
Concen: 12.854 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 538704

Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.8	61.2
91	61.8	46.8	70.2
77	23.8	18.2	27.2



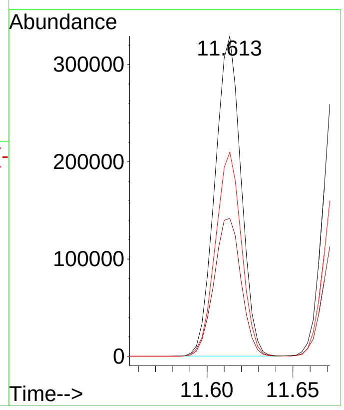


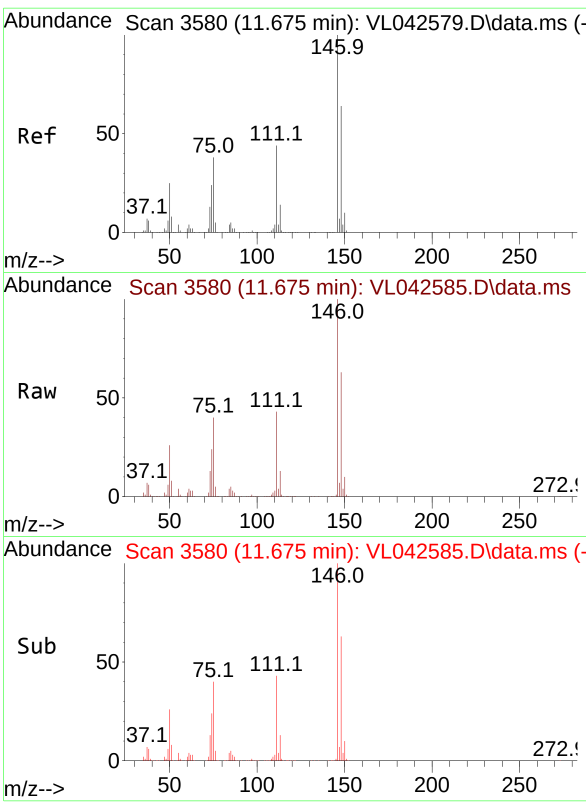
#75
1,3-Dichlorobenzene
Concen: 13.203 ppbv
RT: 11.613 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 347478

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.6	32.0	96.2

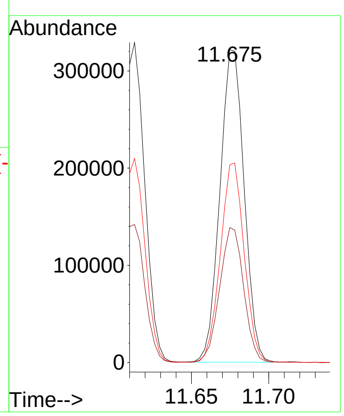


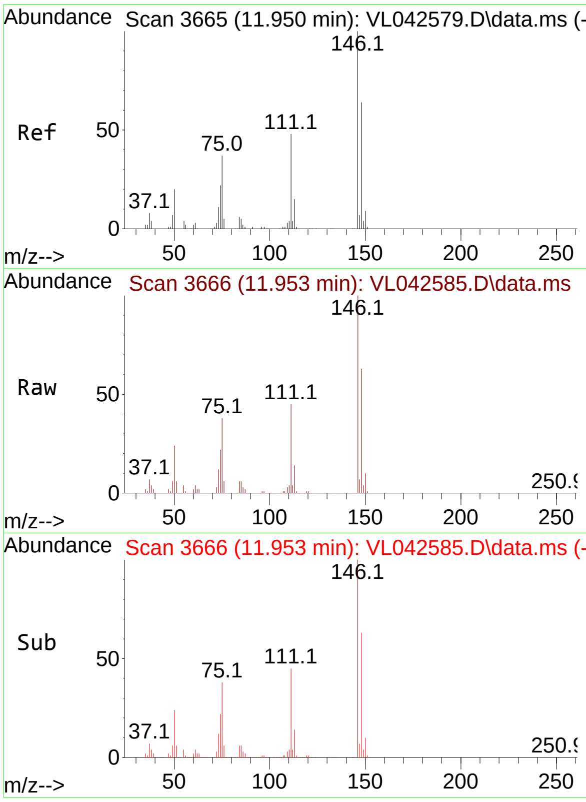


#76
1,4-Dichlorobenzene
Concen: 13.363 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:146 Resp: 350757

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.2	32.1	96.5



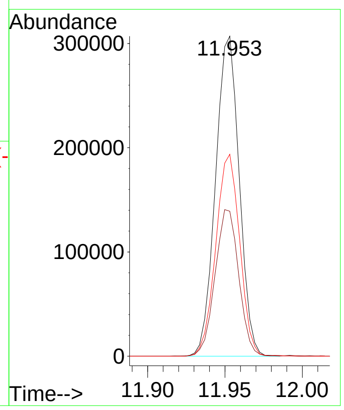


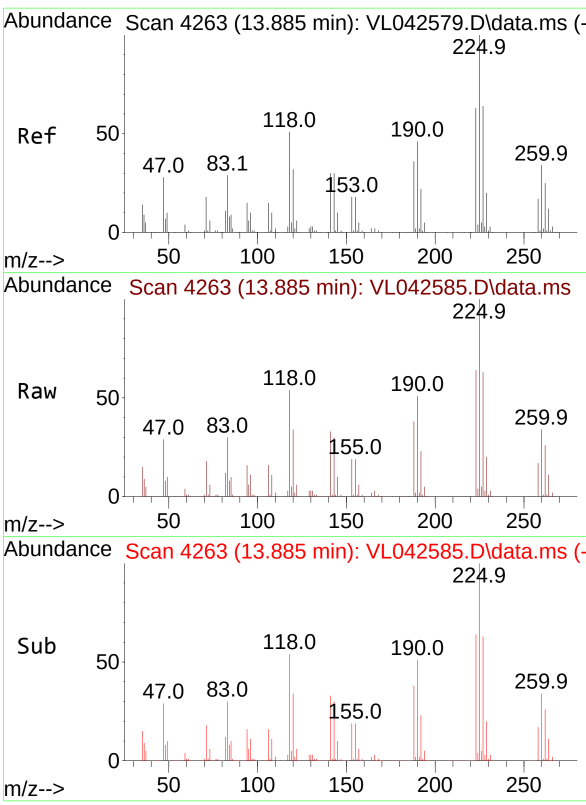
#77
1,2-Dichlorobenzene
Concen: 12.800 ppbv
RT: 11.953 min Scan# 3(
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 326960

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.1	69.3
148	63.9	32.1	96.3

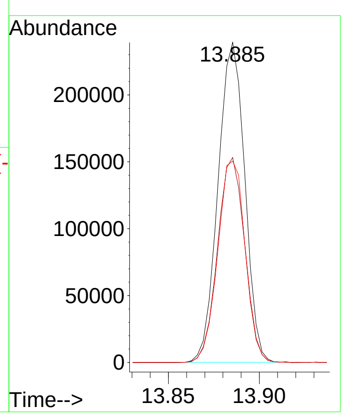


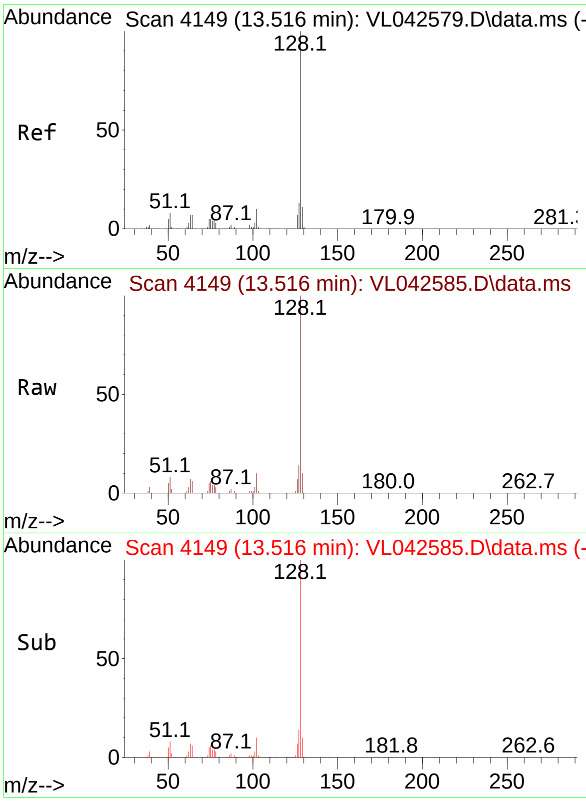


#78
Hexachloro-1,3-Butadiene
Concen: 11.563 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:225 Resp: 244375

Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.2	75.4
227	64.8	51.1	76.7





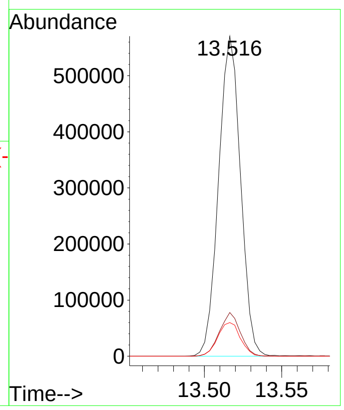
#79
Naphthalene
Concen: 14.318 ppbv
RT: 13.516 min Scan# 4

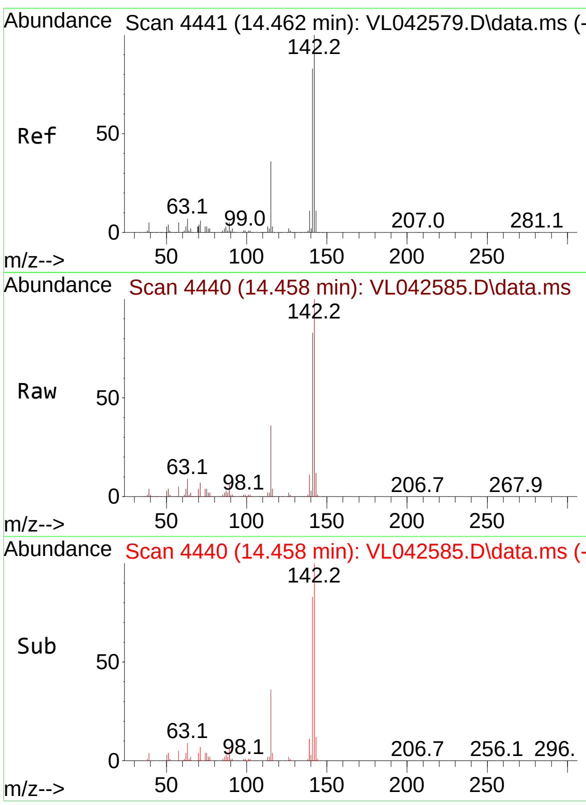
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:128 Resp: 563437

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.5	8.8	13.2

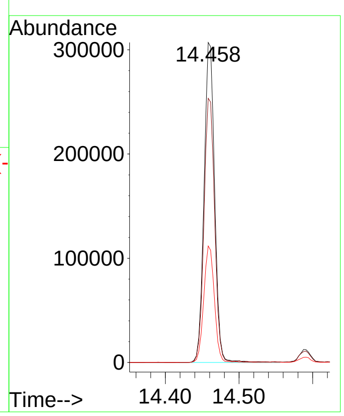


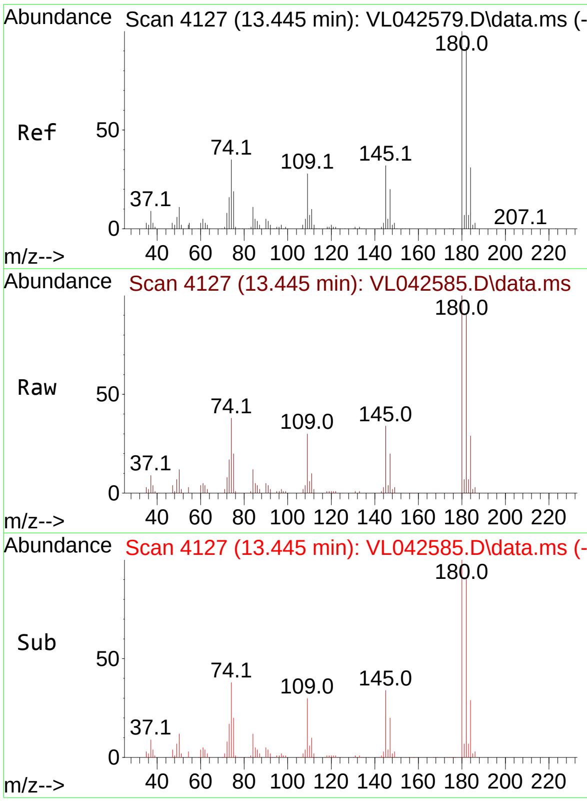


#80
Naphthalene,2-methyl-
Concen: 17.196 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:142 Resp: 306586

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.2	99.4
115	36.6	28.3	42.5



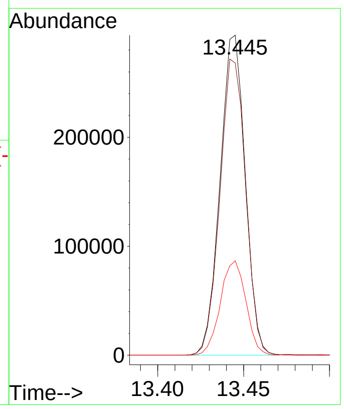


#81
1,2,4-Trichlorobenzene
Concen: 13.598 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 299869

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.0	112.4
184	29.9	24.6	36.8



Quantitation Report (Not 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

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

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	4952	5.951	ppbv	97
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	77241	5.866	ppbv	97

Quantitation Report (Not 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

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

	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	9.542	91	341761	9.281	ppbv	#	29
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

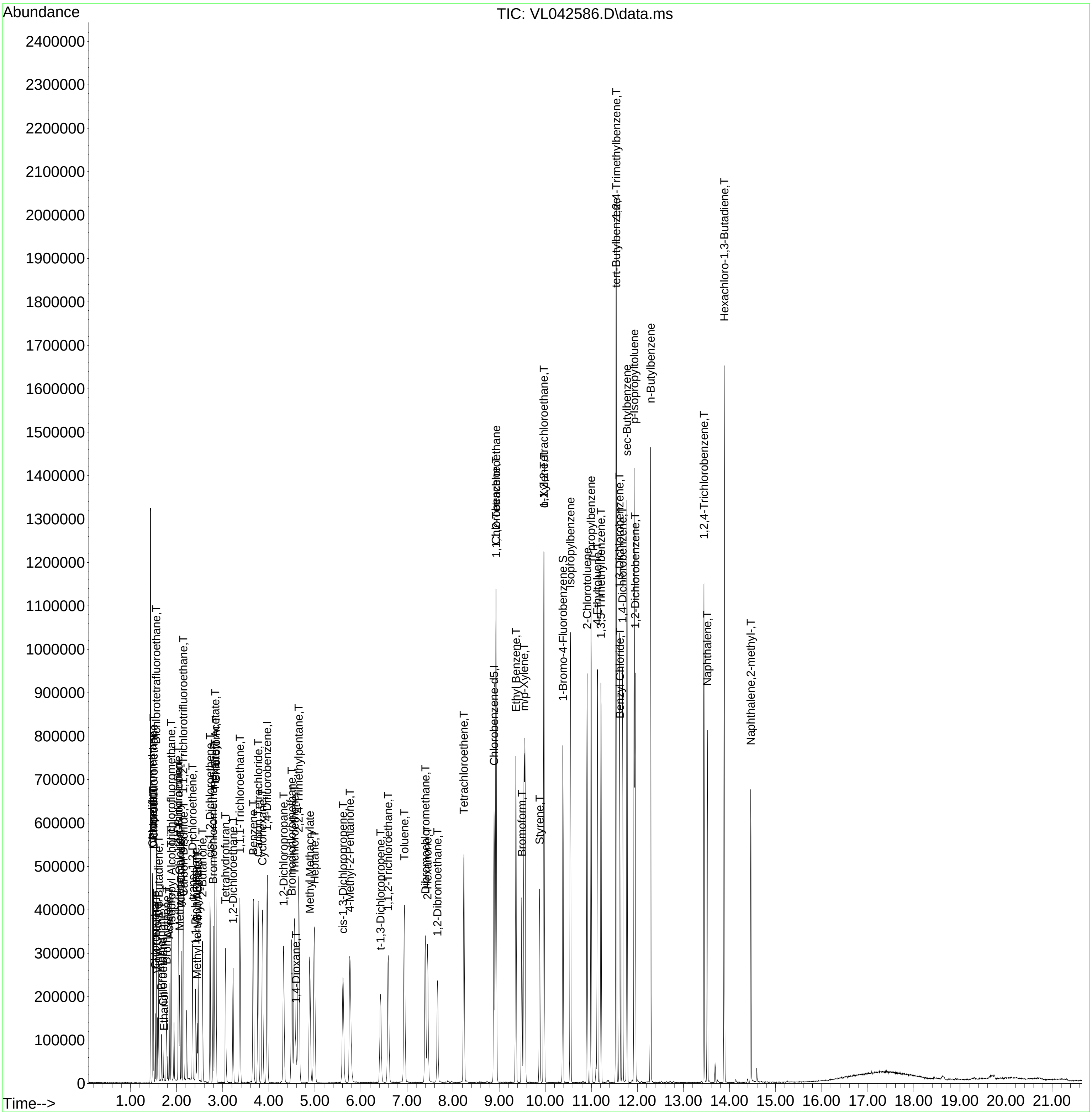
(#) = qualifier out of range (m) = manual integration (+) = signals summed

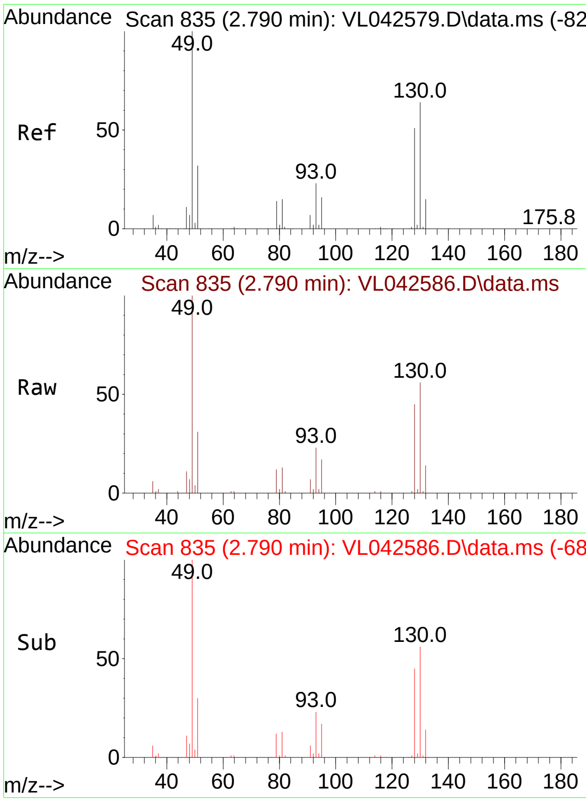
Quantitation Report (Not Reviewed)

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

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



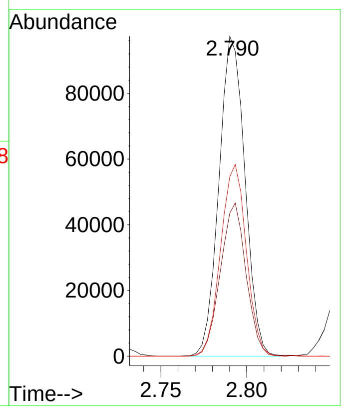


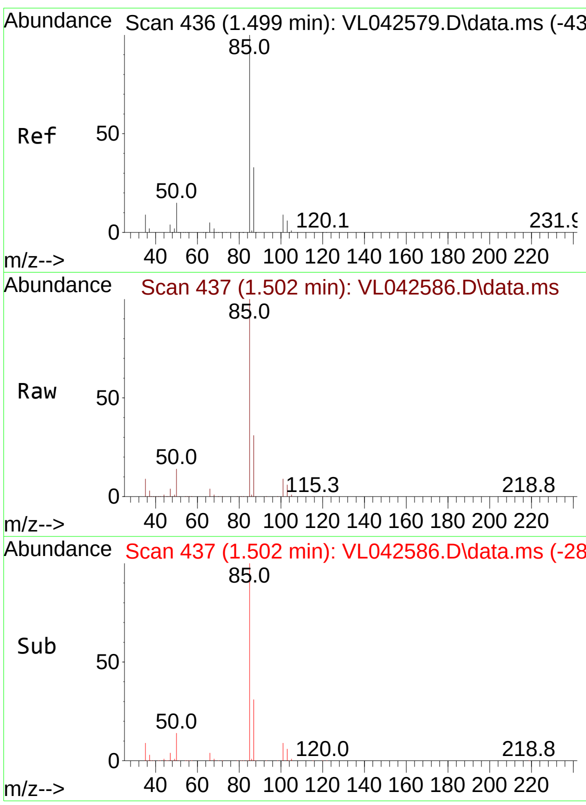
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 49 Resp: 102428

Ion	Ratio	Lower	Upper
49	100		
128	47.4	24.2	72.6
130	59.4	30.4	91.2

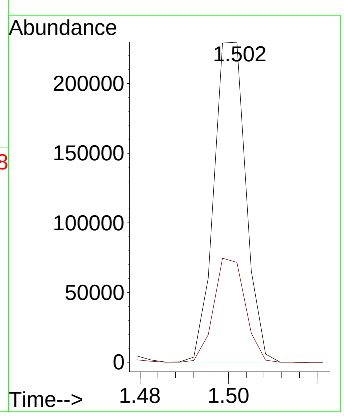


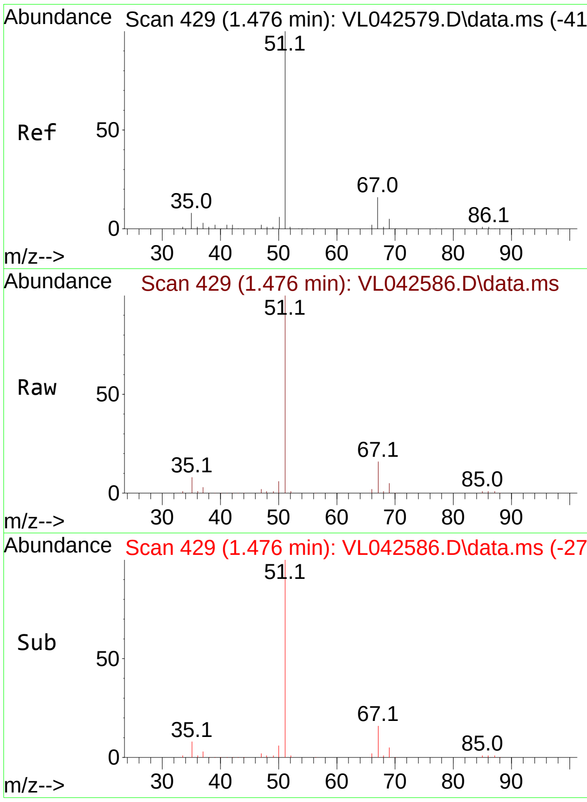


#2
Dichlorodifluoromethane
Concen: 9.156 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 85 Resp: 115266

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.6	39.8



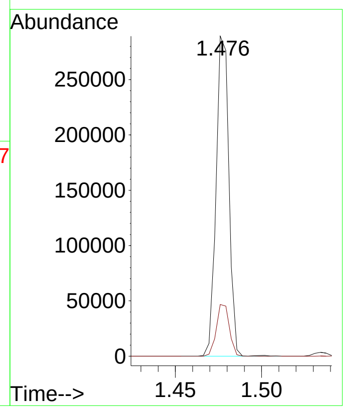


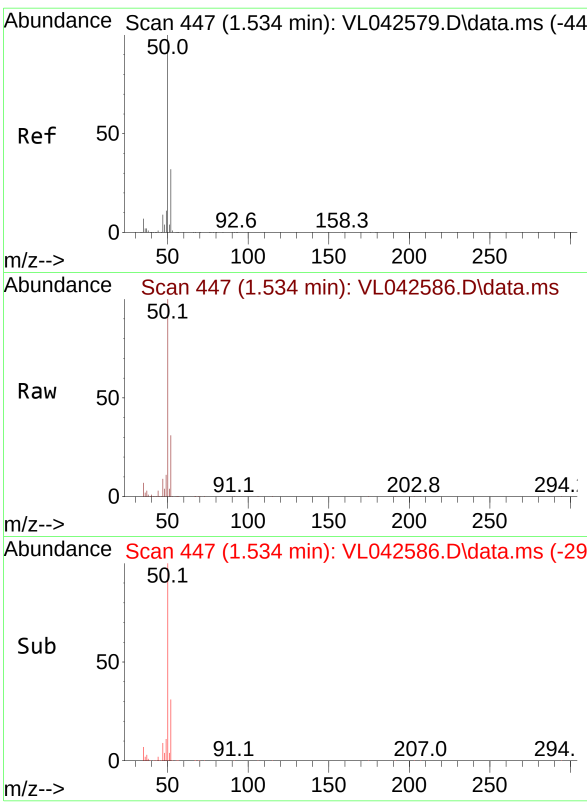
#3
Chlorodifluoromethane
Concen: 8.658 ppbv
RT: 1.476 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 51 Resp: 150107

Ion	Ratio	Lower	Upper
51	100		
67	16.5	13.4	20.2

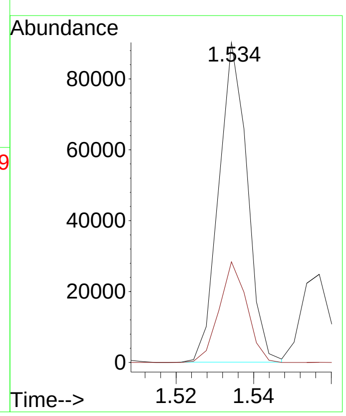


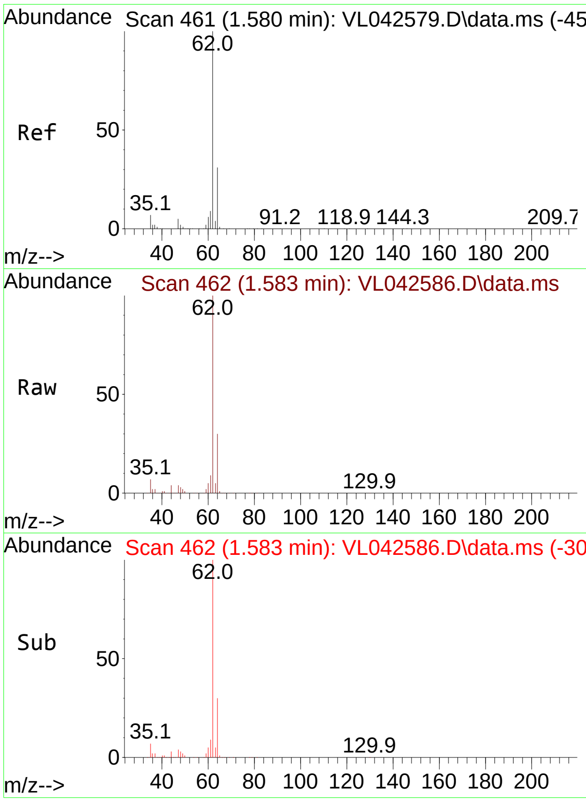


#4
Chloromethane
Concen: 9.220 ppbv
RT: 1.534 min   Scan# 447
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 50 Resp: 45964

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.8	38.6





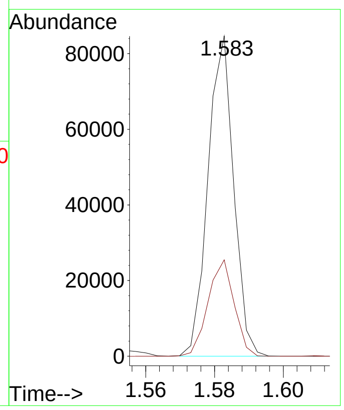
#5
Vinyl Chloride
Concen: 8.650 ppbv
RT: 1.583 min   Scan# 4

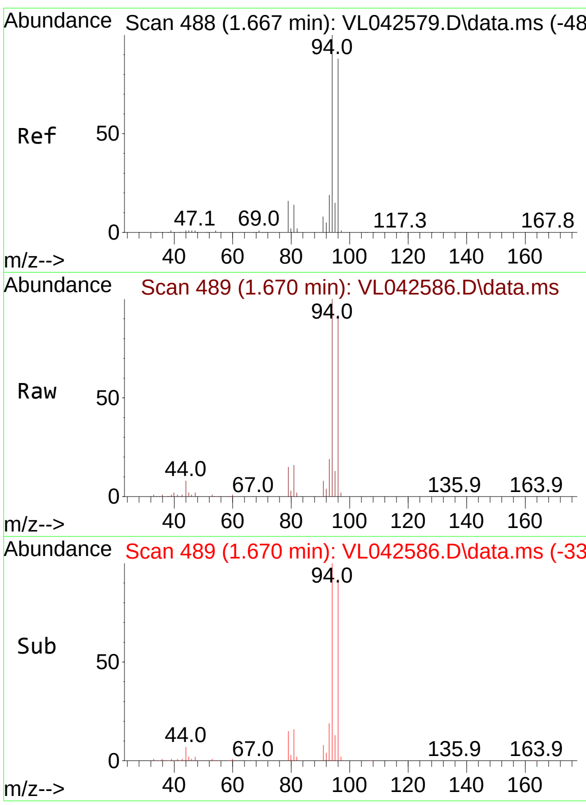
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 62 Resp: 43925

Ion	Ratio	Lower	Upper
62	100		
64	30.1	24.9	37.3

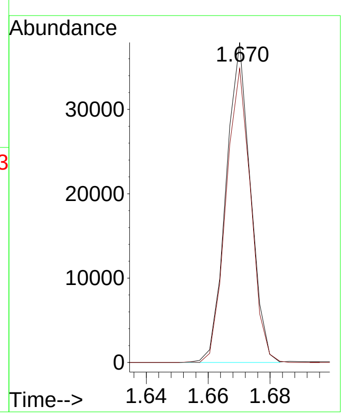


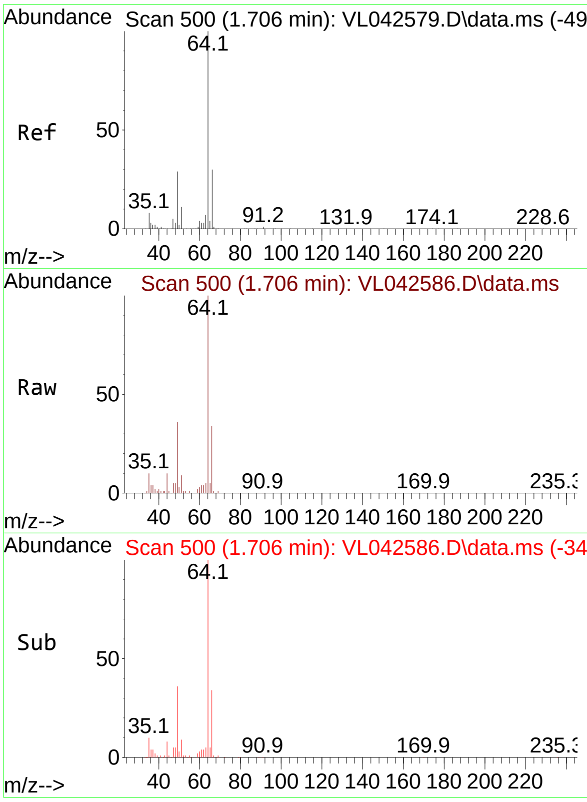


#6
Bromomethane
Concen: 8.455 ppbv
RT: 1.670 min   Scan# 489
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 94 Resp: 20899

Ion	Ratio	Lower	Upper
94	100		
96	91.9	70.7	106.1



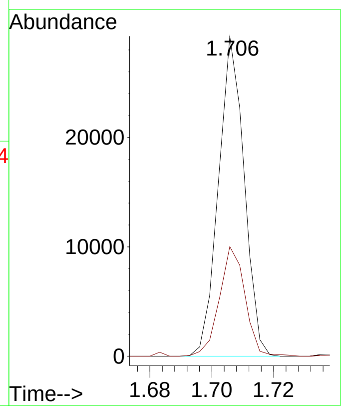


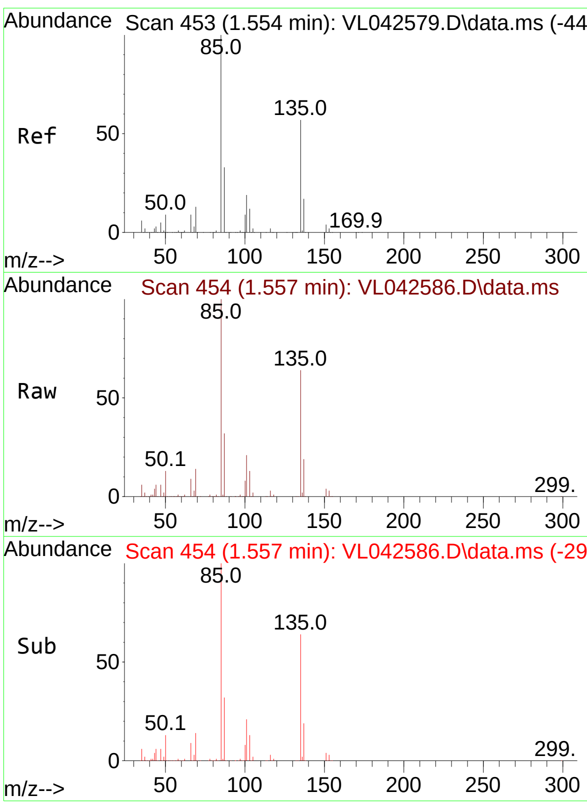
#7
Chloroethane
Concen: 8.541 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 64 Resp: 16853

Ion	Ratio	Lower	Upper
64	100		
66	34.3	24.3	36.5

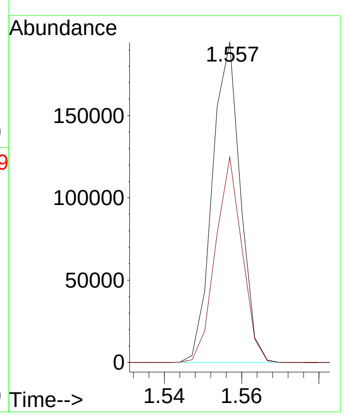


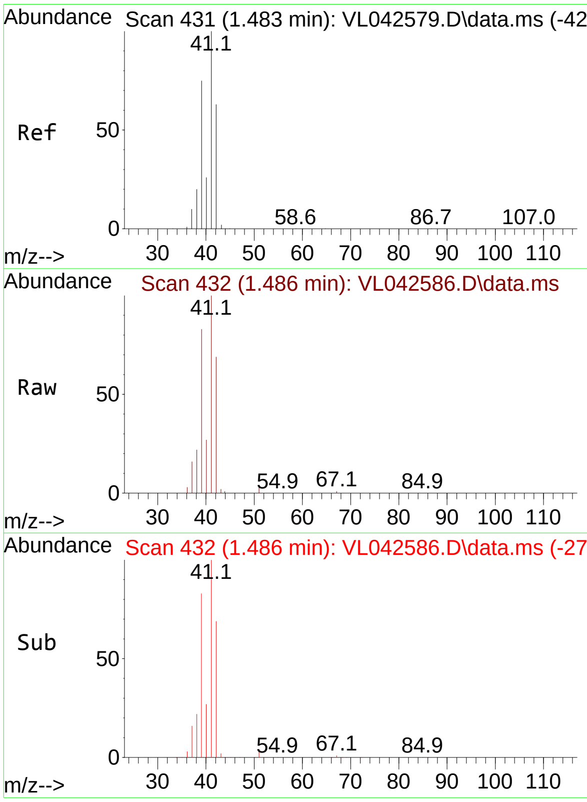


#8
Dichlorotetrafluoroethane
Concen: 9.325 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 85 Resp: 97812

Ion	Ratio	Lower	Upper
85	100		
135	61.2	50.2	75.4



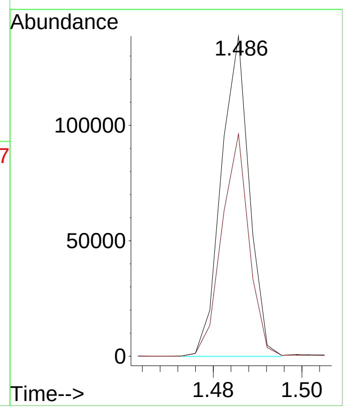


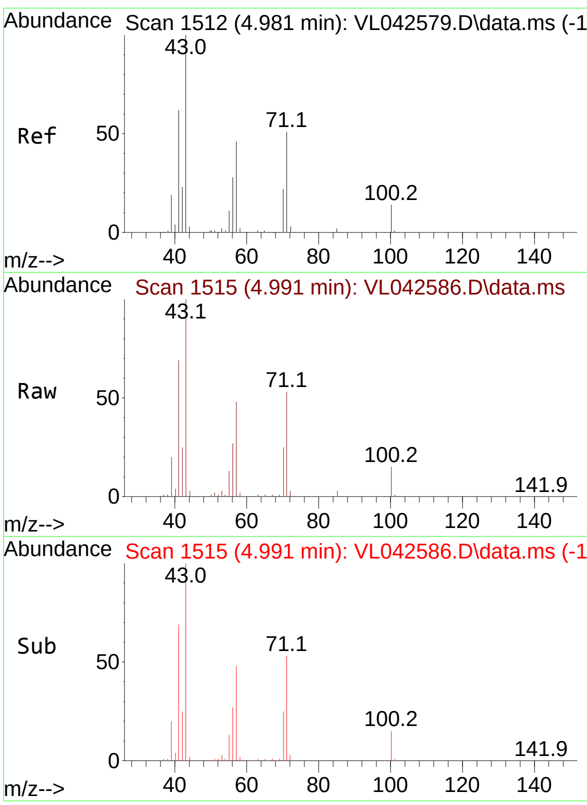
#9
Propene
Concen: 8.688 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 41 Resp: 60663

Ion	Ratio	Lower	Upper
41	100		
42	68.4	53.3	79.9

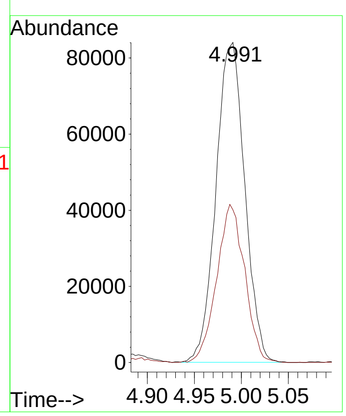


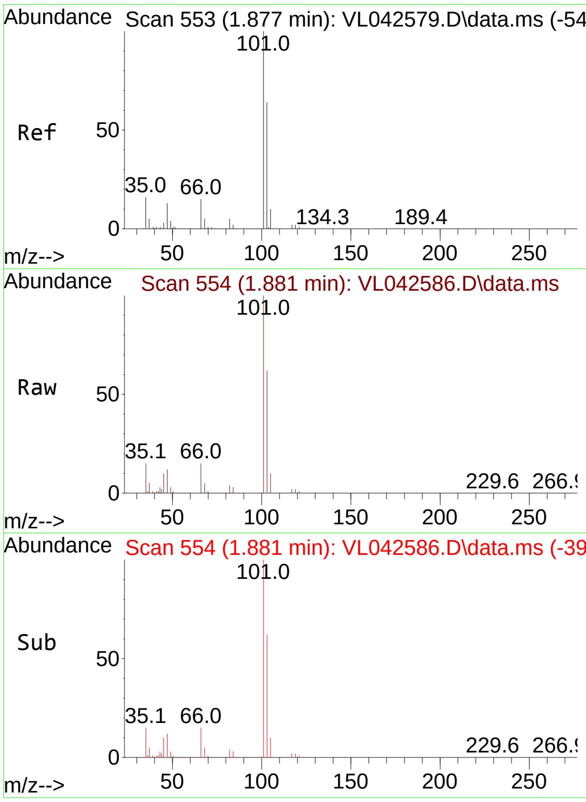


#10
Heptane
Concen: 9.102 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.010 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 179146

Ion	Ratio	Lower	Upper
43	100		
57	48.0	38.9	58.3



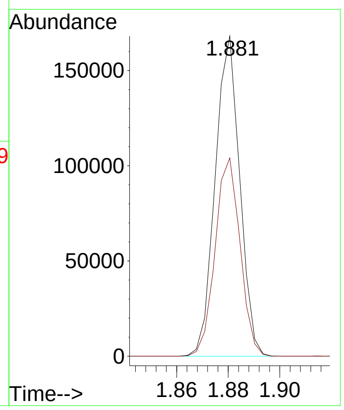


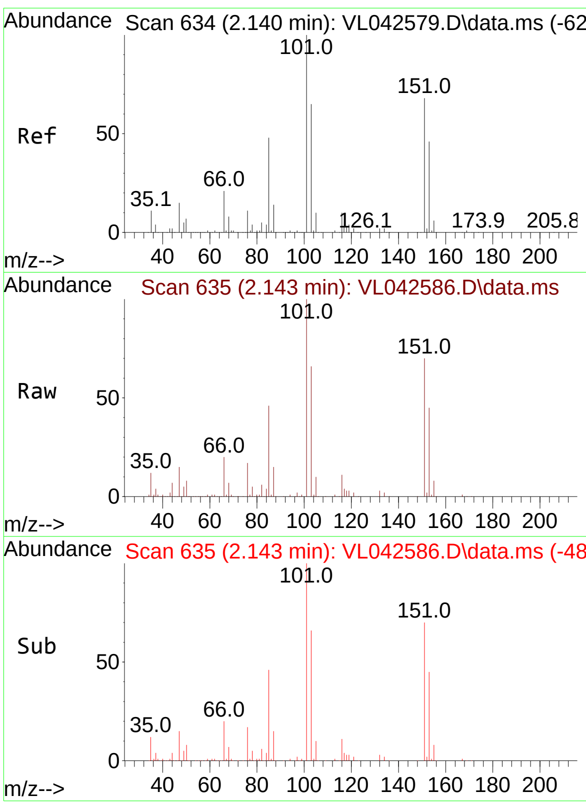
#11
Trichlorofluoromethane
Concen: 9.484 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:101 Resp: 111088

Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.5	77.3

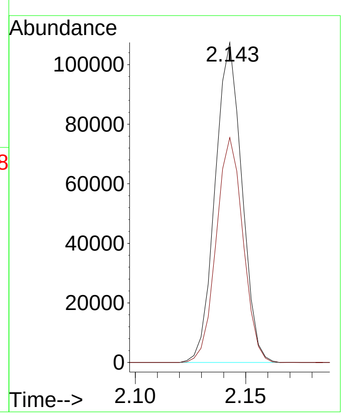


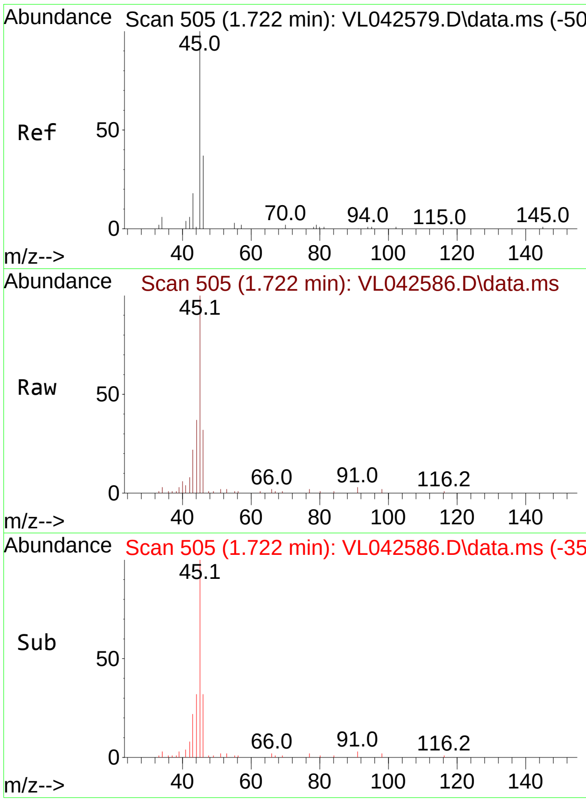


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.839 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:101 Resp: 90493

Ion	Ratio	Lower	Upper
101	100		
151	70.4	55.3	82.9



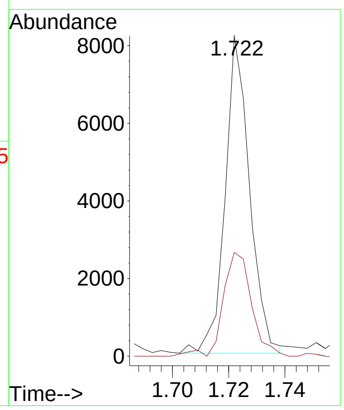


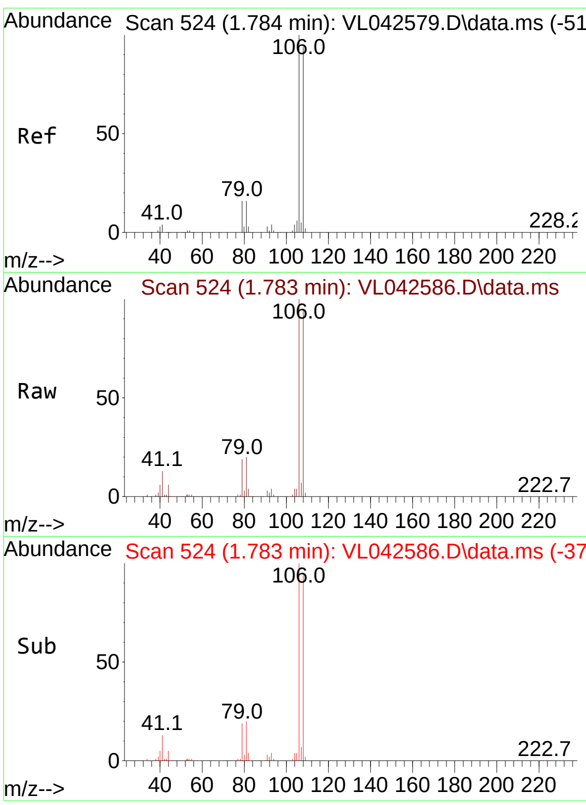
#13
Ethanol
Concen: 5.951 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 45 Resp: 4952

Ion	Ratio	Lower	Upper
45	100		
46	38.2	14.5	58.1

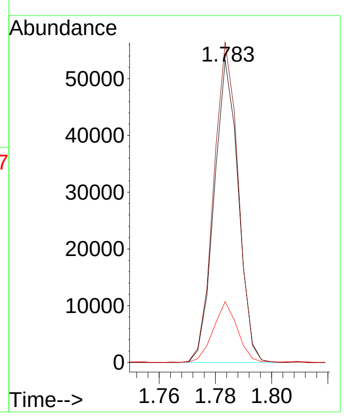


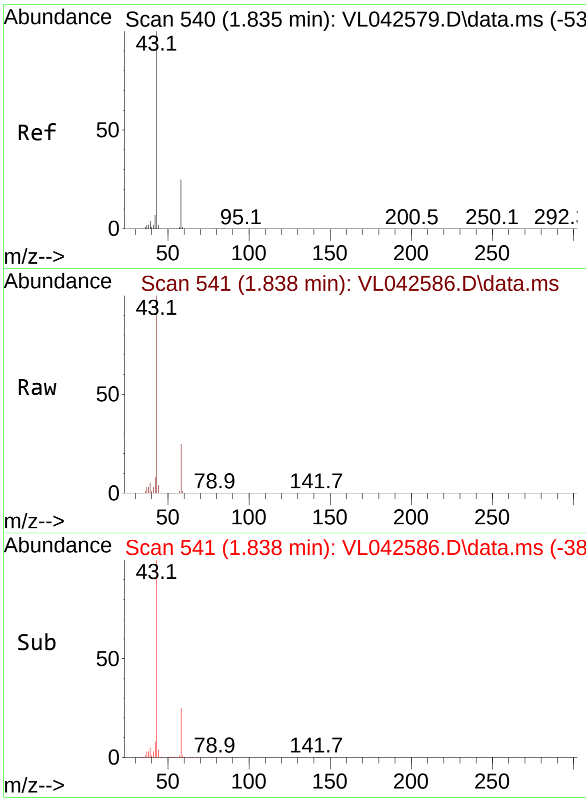


#14
Bromoethene
Concen: 9.215 ppbv
RT: 1.783 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:108 Resp: 31882

Ion	Ratio	Lower	Upper
108	100		
106	106.8	87.9	131.9
79	21.2	15.6	23.4



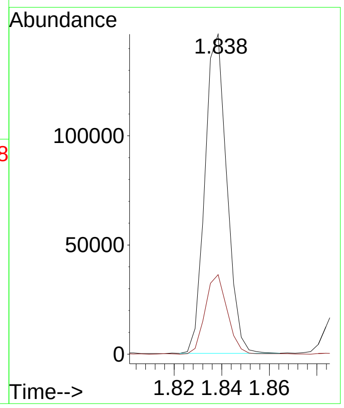


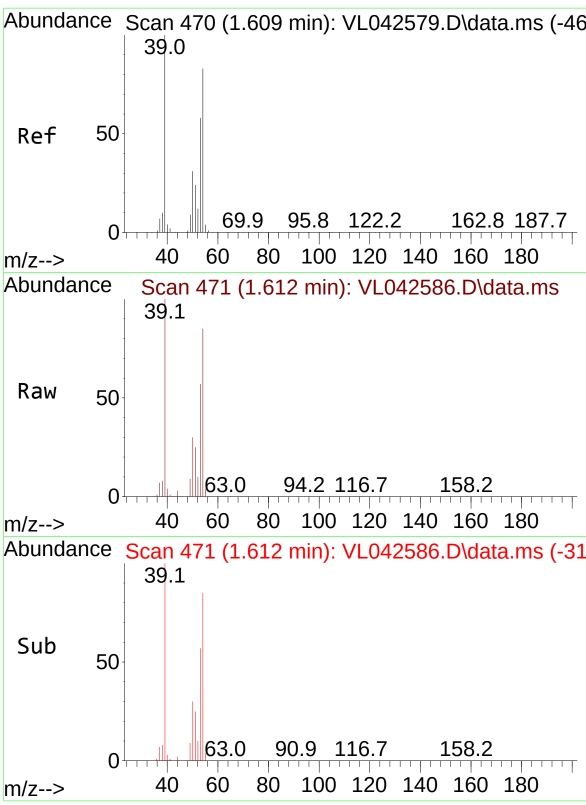
#15
Acetone
Concen: 7.596 ppbv
RT: 1.838 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 43 Resp: 93713

Ion	Ratio	Lower	Upper
43	100		
58	25.5	21.0	31.4

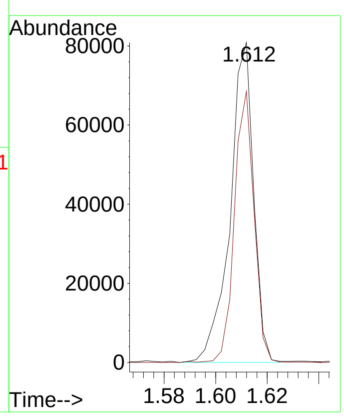


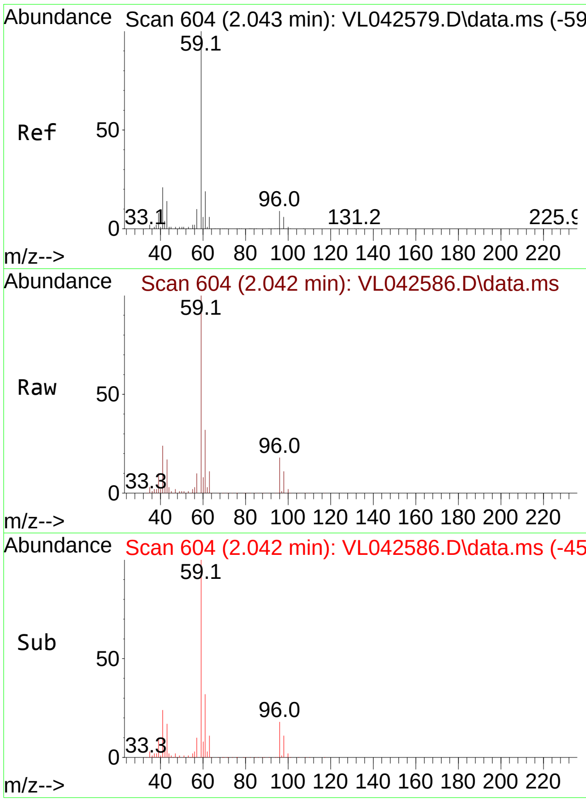


#16
1,3-Butadiene
Concen: 8.807 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 39 Resp: 51473

Ion	Ratio	Lower	Upper
39	100		
54	70.6	57.9	86.9



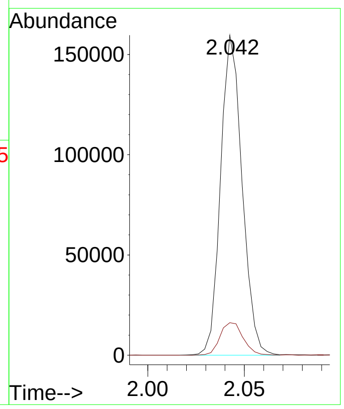


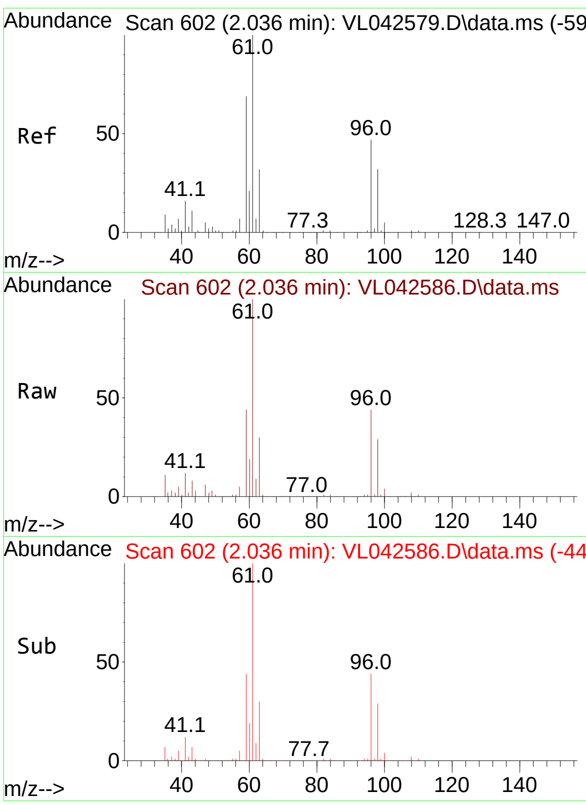
#17
tert-Butyl alcohol
Concen: 9.611 ppbv
RT: 2.042 min Scan# 60
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 59 Resp: 123536

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

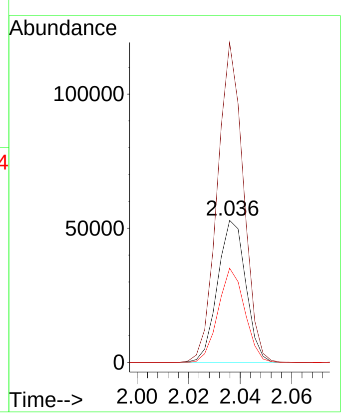


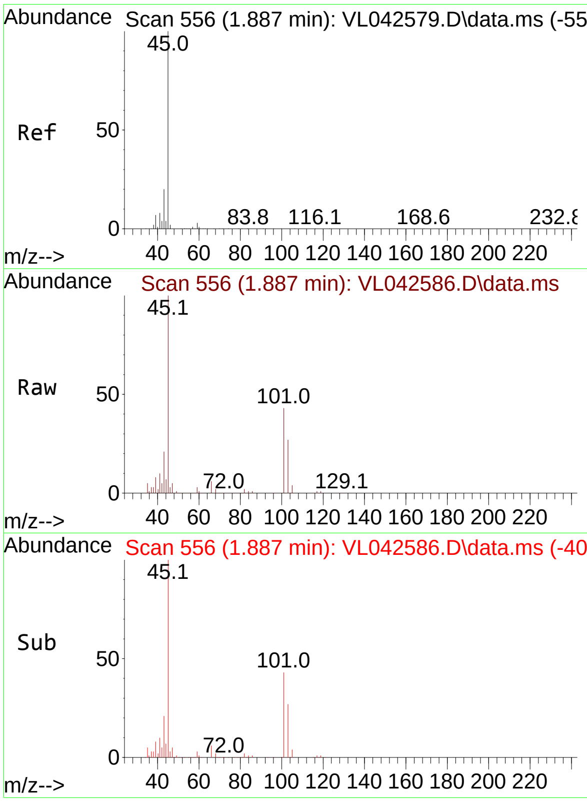


#18
1,1-Dichloroethene
Concen: 9.423 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 96 Resp: 40171

Ion	Ratio	Lower	Upper
96	100		
61	225.1	171.1	256.7
98	66.4	54.4	81.6





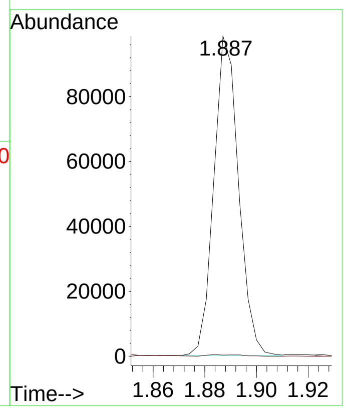
#19
Isopropyl Alcohol
Concen: 8.899 ppbv
RT: 1.887 min Scan# 5

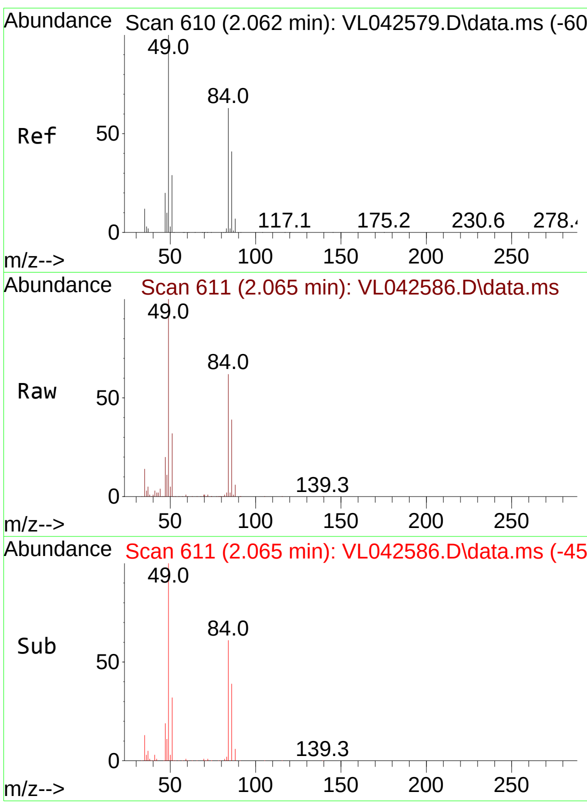
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 45 Resp: 65635

Ion	Ratio	Lower	Upper
45	100		
58	36.5	29.4	44.2

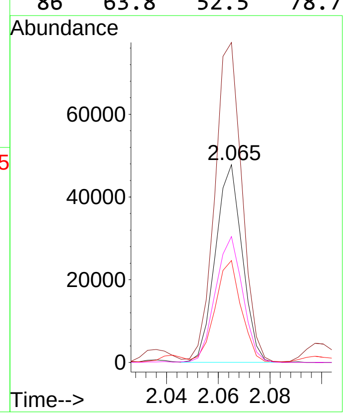


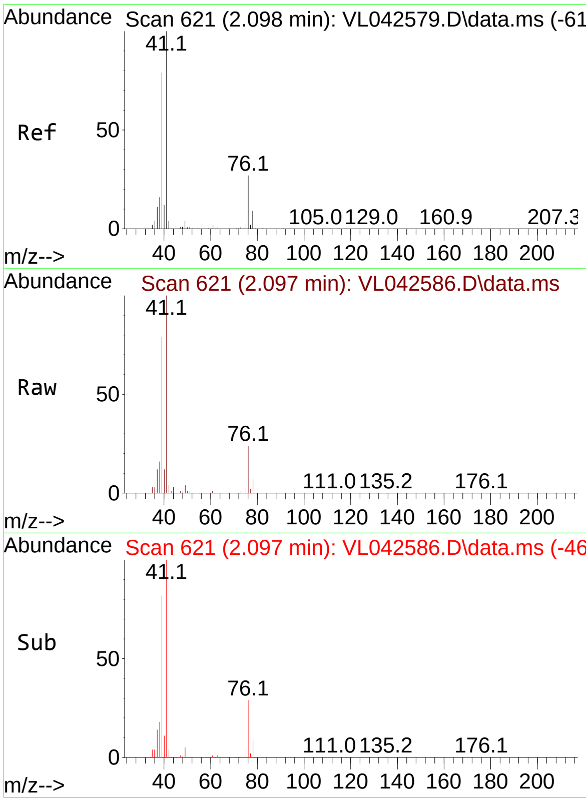


#20
Methylene Chloride
Concen: 8.444 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 84 Resp: 34380

Ion	Ratio	Lower	Upper
84	100		
49	161.6	128.8	193.2
51	51.3	38.6	57.8
86	63.8	52.5	78.7



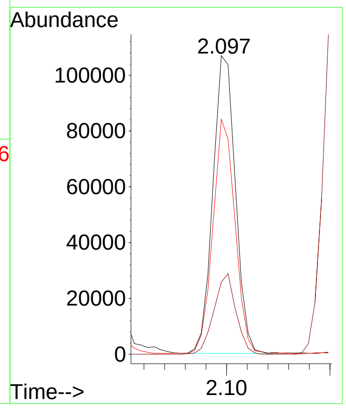


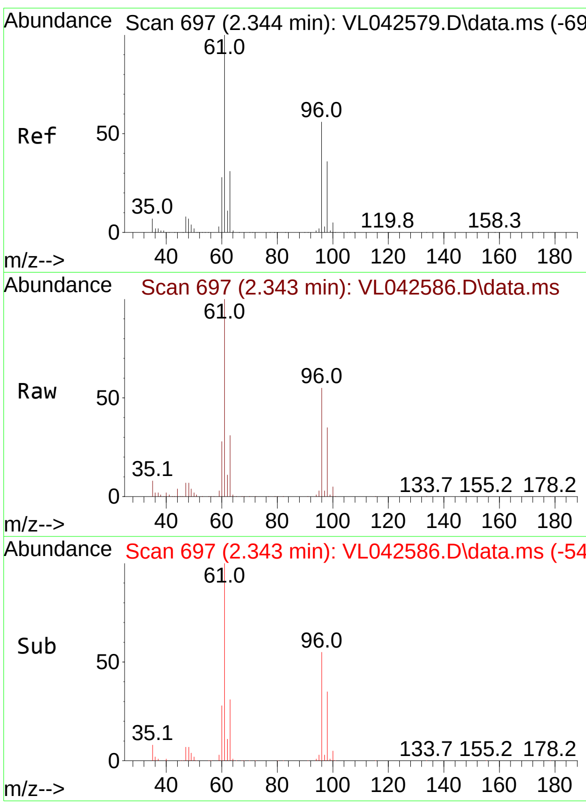
#21
Allyl Chloride
Concen: 9.297 ppbv
RT: 2.097 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 41 Resp: 80936

Ion	Ratio	Lower	Upper
41	100		
76	26.2	21.2	31.8
39	78.2	60.9	91.3

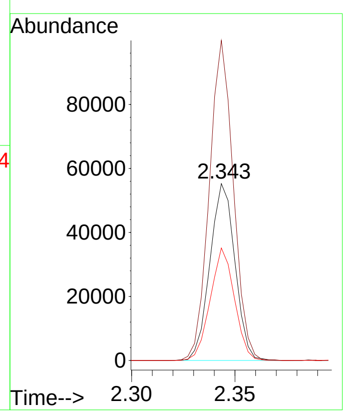


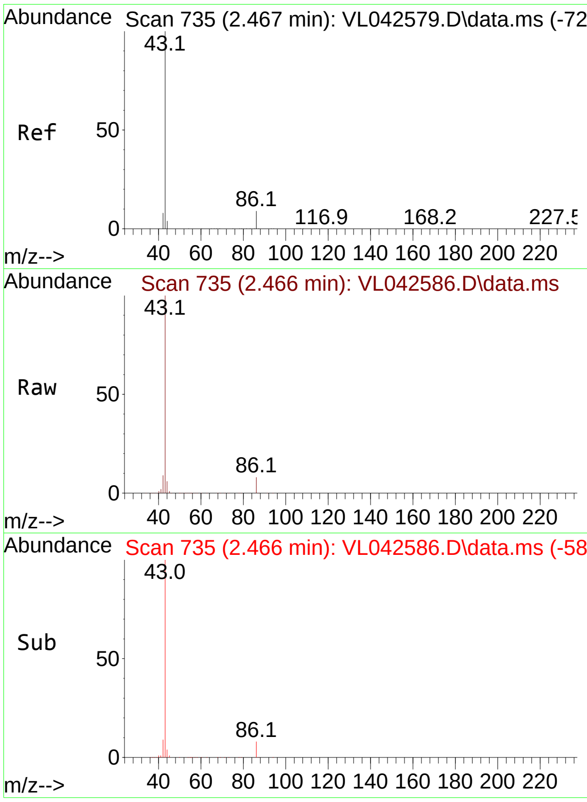


#22
trans-1,2-Dichloroethene
Concen: 9.742 ppbv
RT: 2.343 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 96 Resp: 46389

Ion	Ratio	Lower	Upper
96	100		
61	180.9	142.6	214.0
98	63.6	51.0	76.4



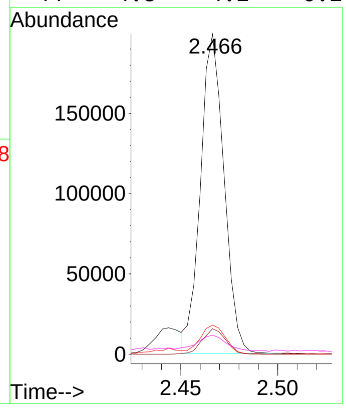


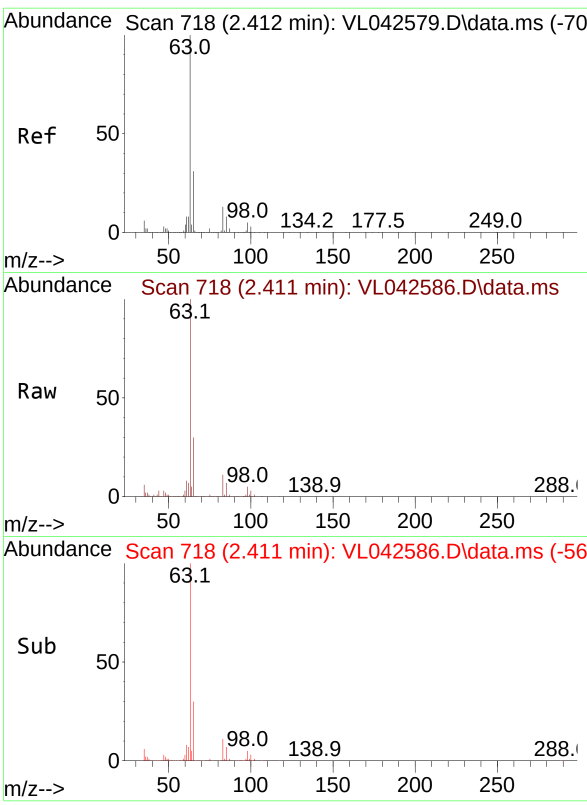
#23
Vinyl Acetate
Concen: 10.103 ppbv
RT: 2.466 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 43 Resp: 168496

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.6	9.8
42	9.0	7.0	10.4
44	4.8	4.2	6.2

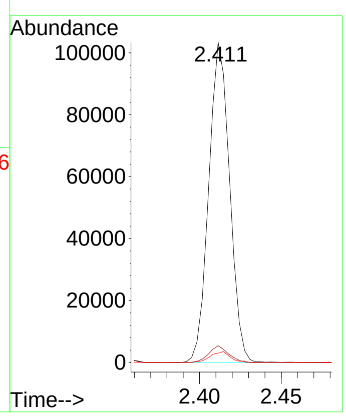


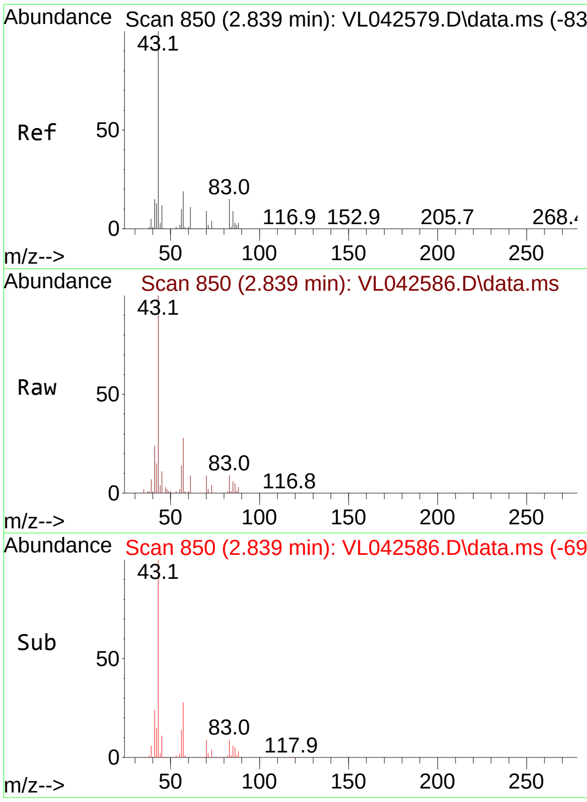


#24
1,1-Dichloroethane
Concen: 9.408 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 63 Resp: 92180

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.1
100	2.9	1.4	4.0



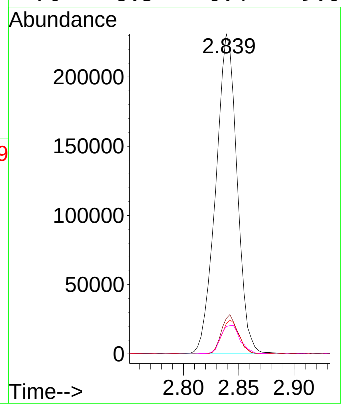


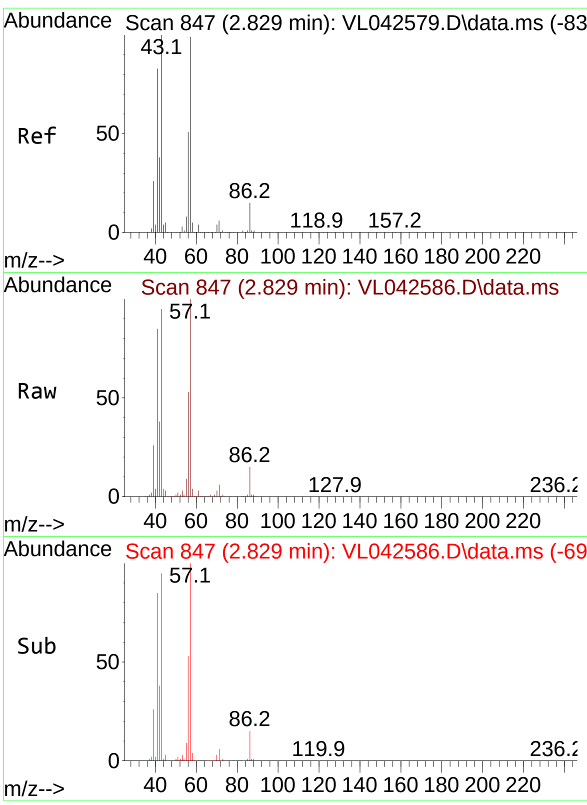
#25
Ethyl Acetate
Concen: 9.171 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 43 Resp: 309666

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.2	12.2
61	8.6	7.1	10.7
70	8.3	6.4	9.6

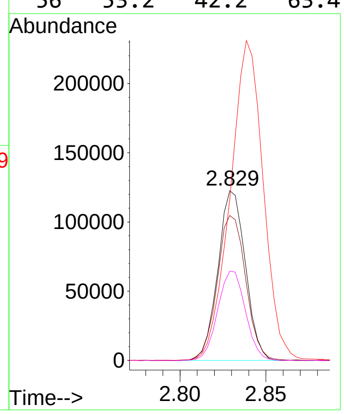


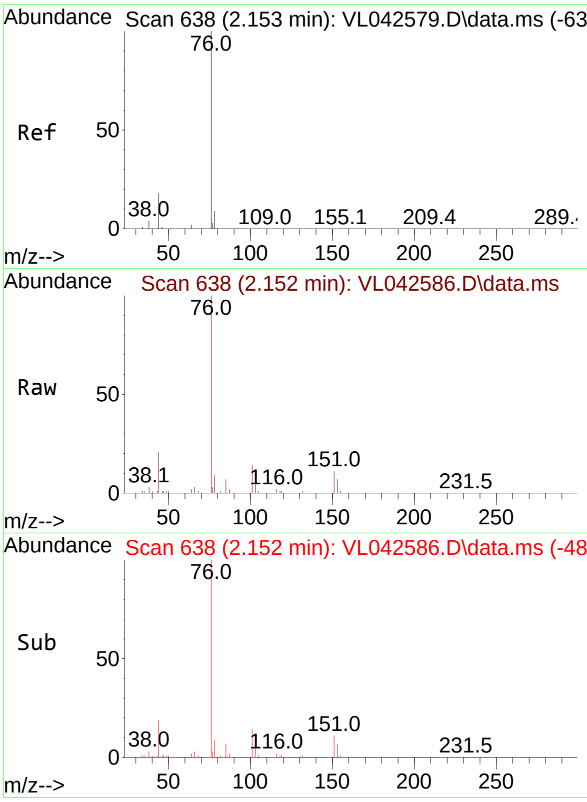


#26
Hexane
Concen: 8.889 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 57 Resp: 136378

Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.6	106.0
43	227.4	181.1	271.7
56	53.2	42.2	63.4





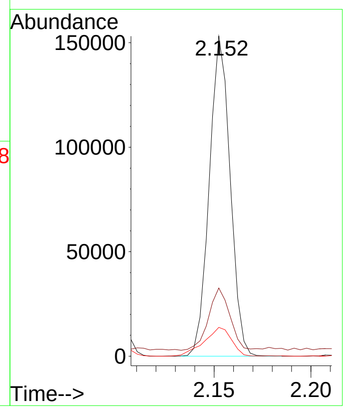
#27
Carbon Disulfide
Concen: 9.743 ppbv
RT: 2.152 min   Scan# 6

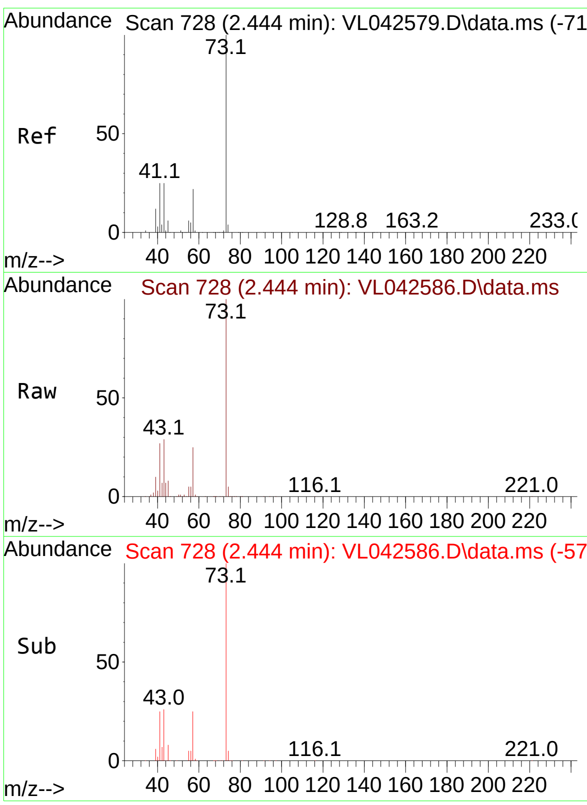
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 76 Resp: 114756

Ion	Ratio	Lower	Upper
76	100		
44	20.4	21.3	31.9#
78	11.8	9.4	14.0

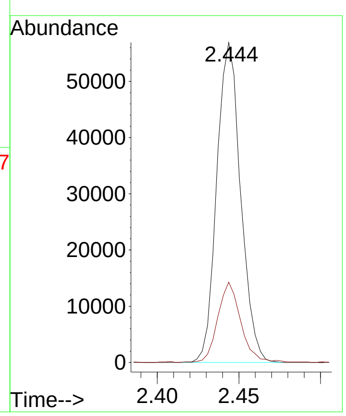


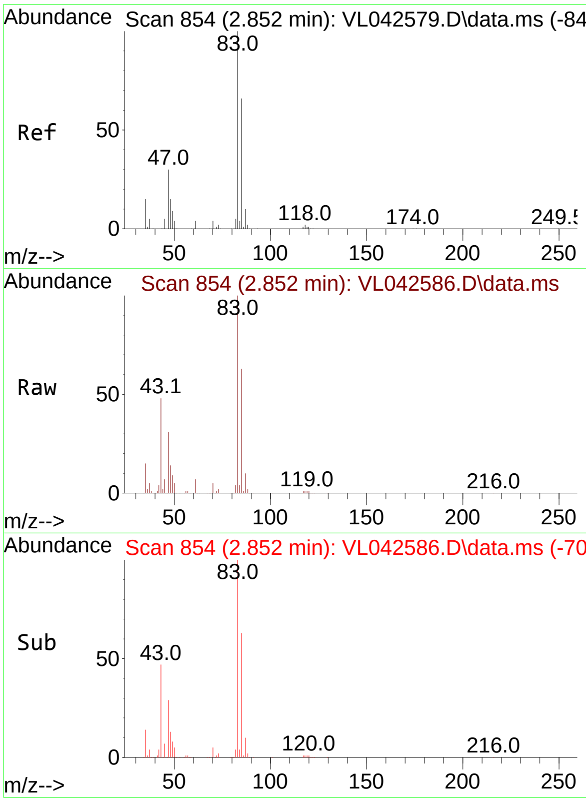


#28
Methyl tert-Butyl Ether
Concen: 9.302 ppbv
RT: 2.444 min   Scan# 728
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 73 Resp: 57913

Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.9	29.9





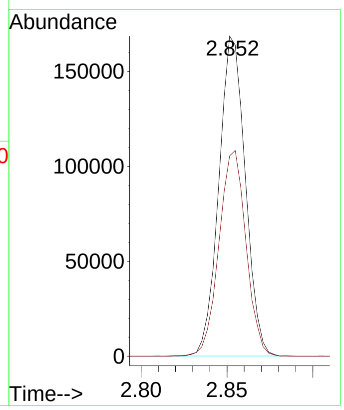
#29
Chloroform
Concen: 9.057 ppbv
RT: 2.852 min Scan# 8

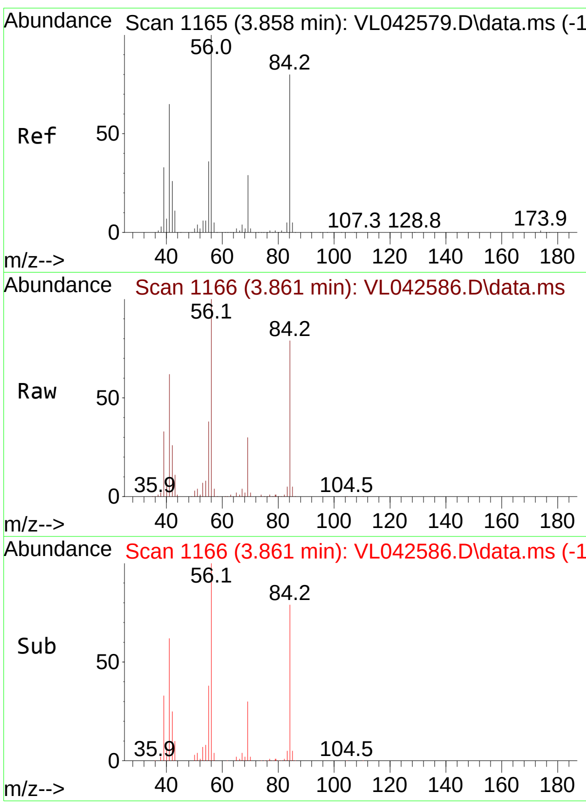
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 83 Resp: 180696

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.8	79.2

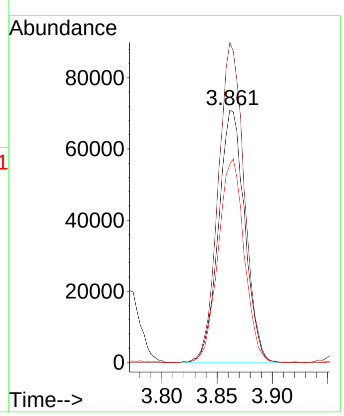


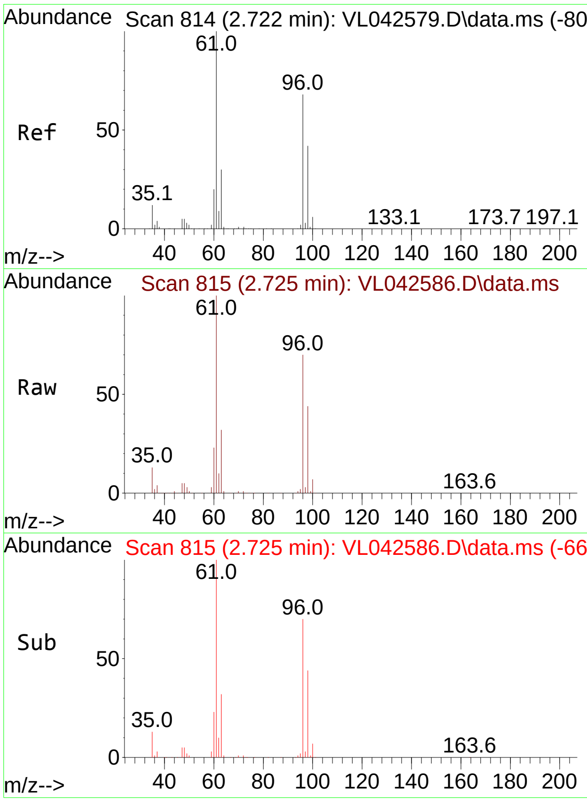


#30
Cyclohexane
Concen: 9.198 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 84 Resp: 116986

Ion	Ratio	Lower	Upper
84	100		
56	125.0	103.7	155.5
41	80.6	65.1	97.7





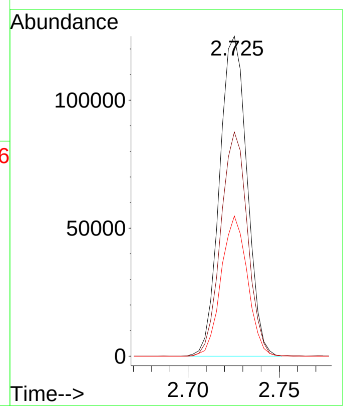
#31
cis-1,2-Dichloroethene
Concen: 9.307 ppbv
RT: 2.725 min   Scan# 8

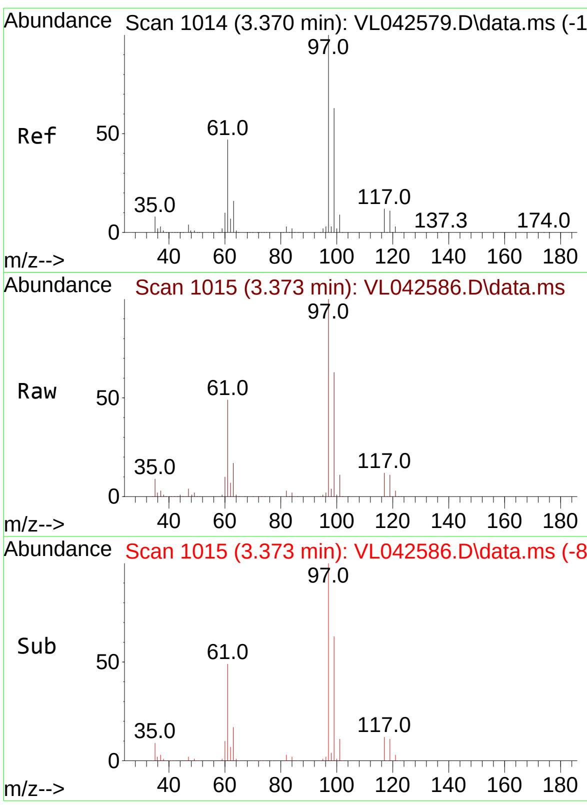
Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 61 Resp: 130619

Ion	Ratio	Lower	Upper
61	100		
96	70.0	54.5	81.7
98	43.8	33.4	50.2

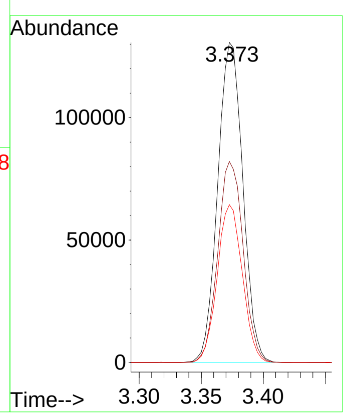


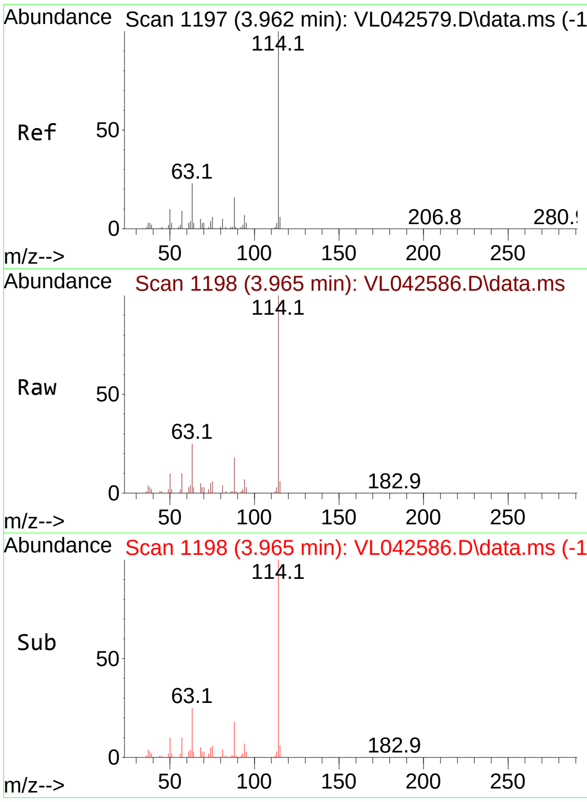


#32
1,1,1-Trichloroethane
Concen: 9.077 ppbv
RT: 3.373 min   Scan# 1015
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 97 Resp: 185017

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	49.3	39.4	59.0



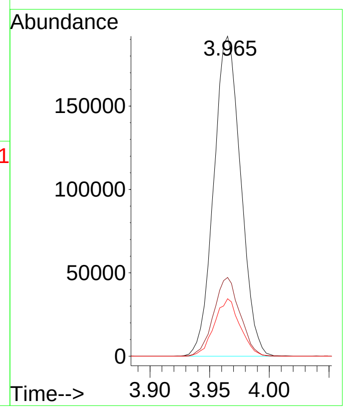


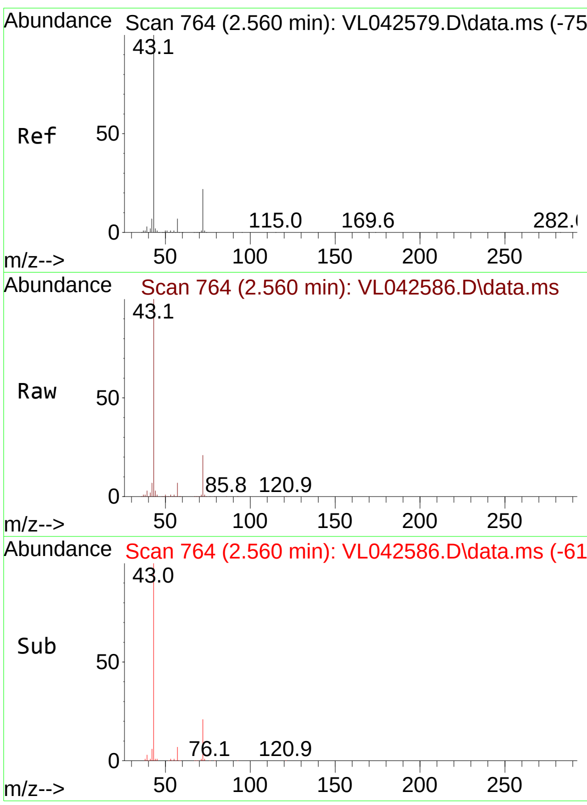
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min   Scan# 1
Delta R.T.   0.003 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:114 Resp: 301054

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.0	28.6
88	17.1	13.6	20.4

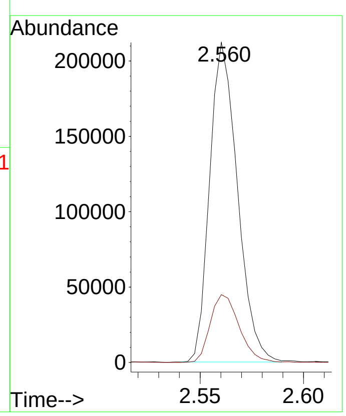


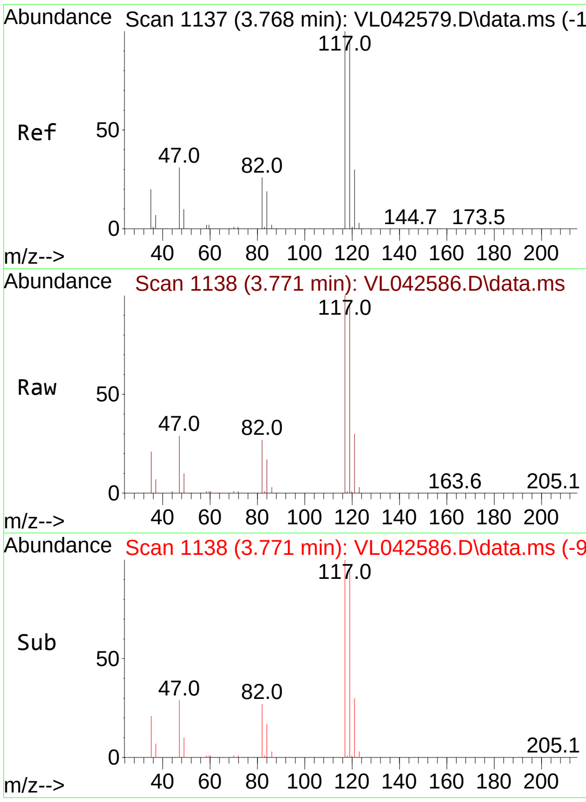


#34
2-Butanone
Concen: 9.233 ppbv
RT: 2.560 min   Scan# 764
Delta R.T.   -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025   14:56

Tgt Ion: 43 Resp: 198226

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.7	26.5



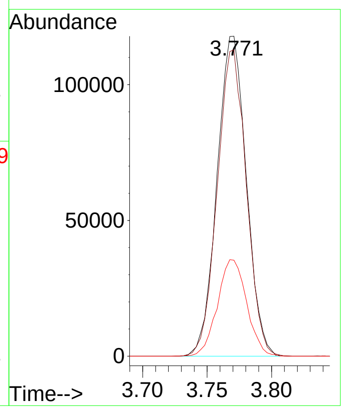


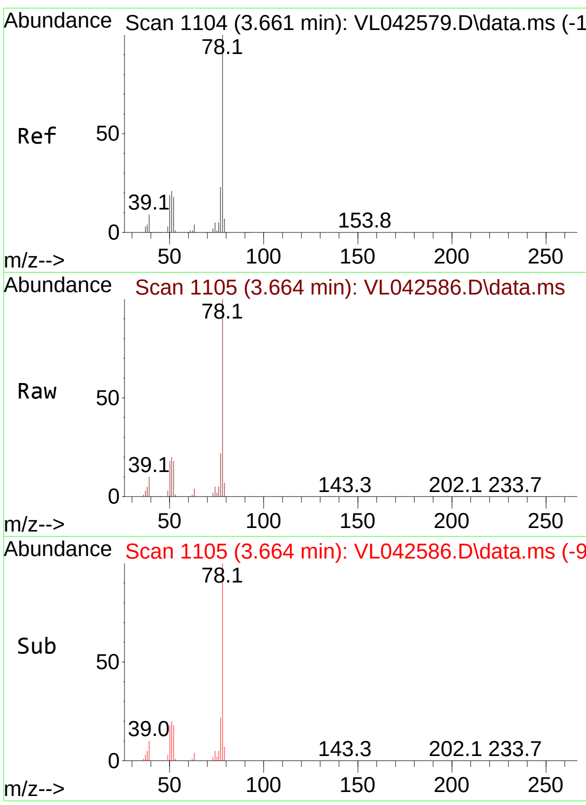
#35
Carbon Tetrachloride
Concen: 9.374 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:117 Resp: 186286

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	30.0	24.3	36.5

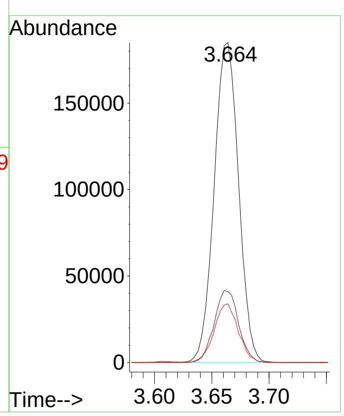


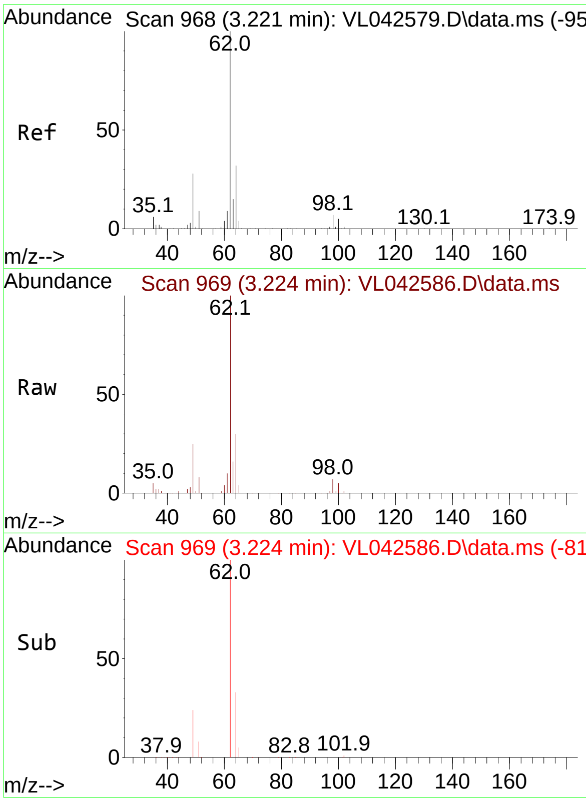


#36
Benzene
Concen: 9.253 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 78 Resp: 274314

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.2	27.2
50	18.4	15.2	22.8



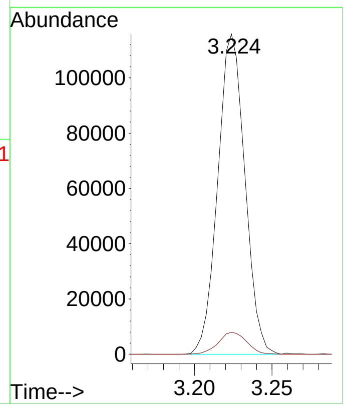


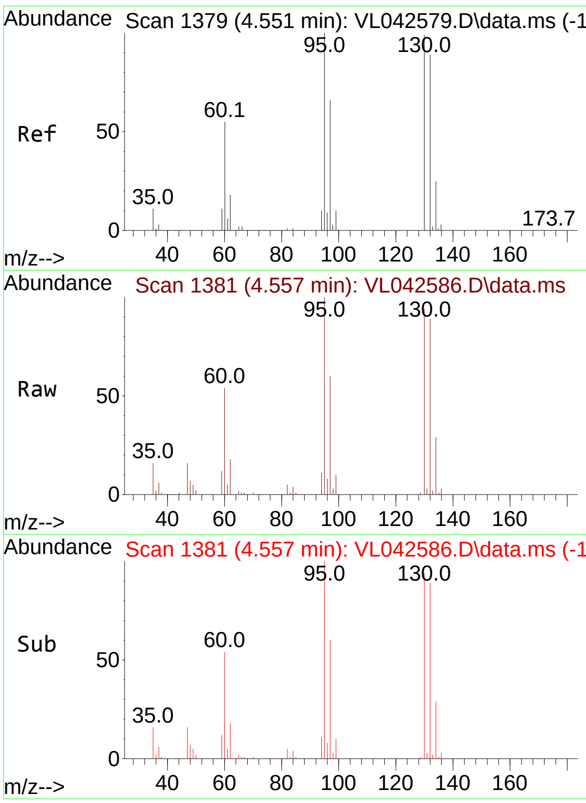
#37
1,2-Dichloroethane
Concen: 9.555 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 62 Resp: 140785

Ion	Ratio	Lower	Upper
62	100		
98	7.1	6.1	9.1

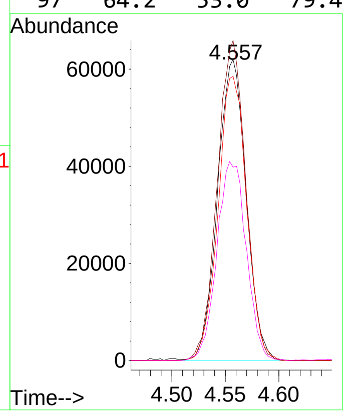


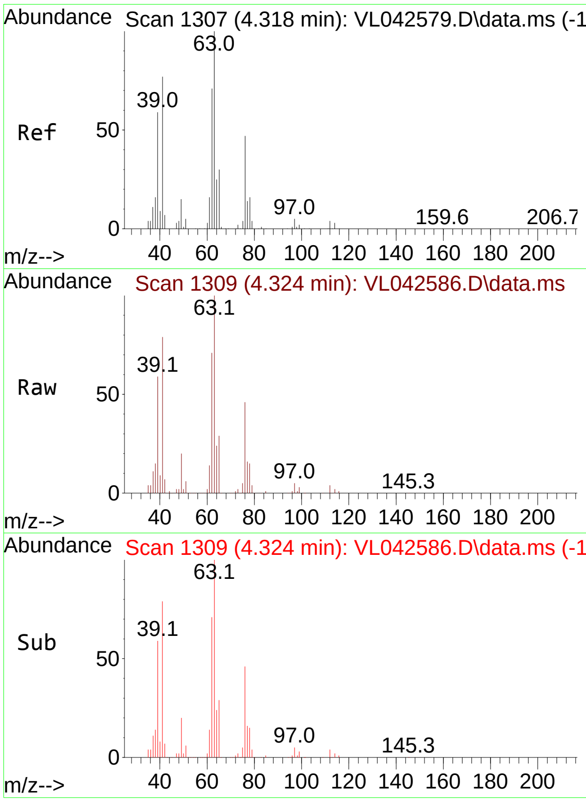


#38
Trichloroethene
Concen: 9.133 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:130 Resp: 115086

Ion	Ratio	Lower	Upper
130	100		
95	106.1	80.6	121.0
132	94.4	71.8	107.6
97	64.2	53.0	79.4



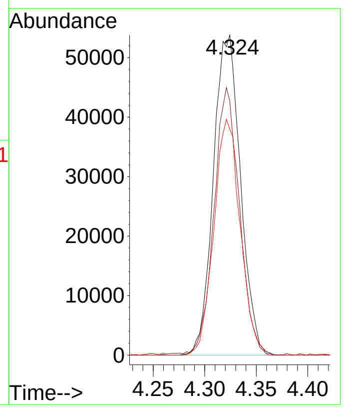


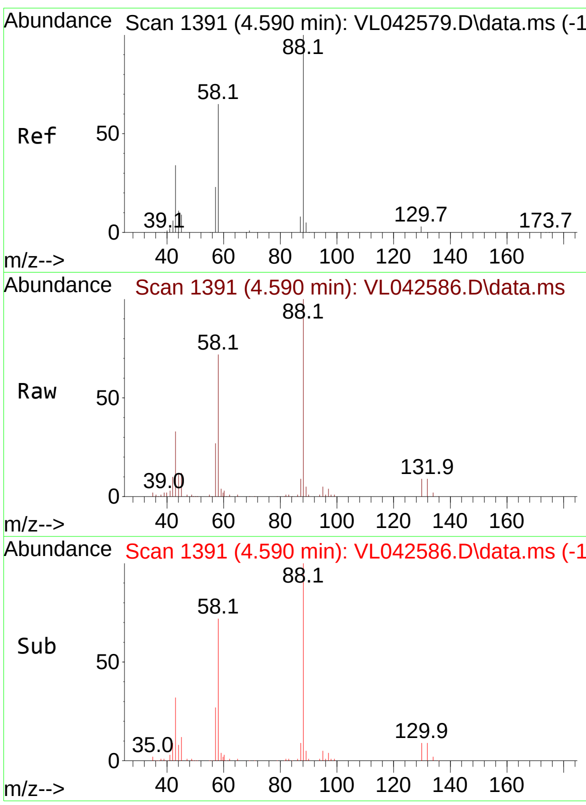
#39
1,2-Dichloropropane
Concen: 8.988 ppbv
RT: 4.324 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 63 Resp: 98542

Ion	Ratio	Lower	Upper
63	100		
41	79.3	61.8	92.6
62	70.6	56.6	85.0

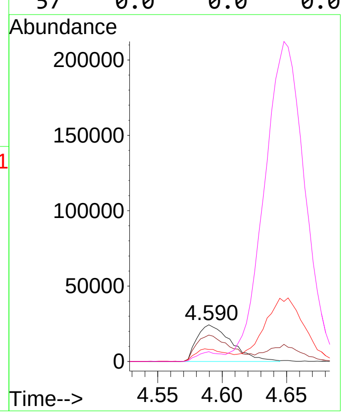


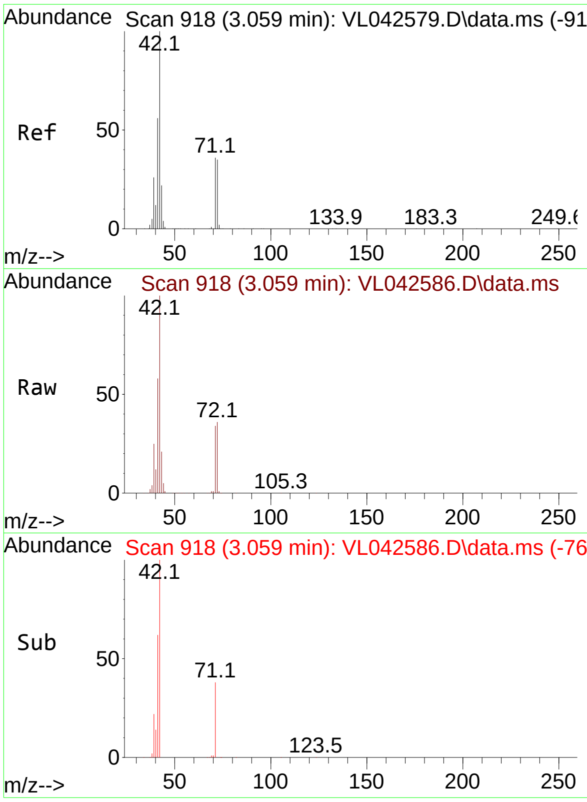


#40
1,4-Dioxane
Concen: 9.306 ppbv
RT: 4.590 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 88 Resp: 45655

Ion	Ratio	Lower	Upper
88	100		
58	68.9	55.8	83.8
43	30.9	24.8	37.2
57	0.0	0.0	0.0



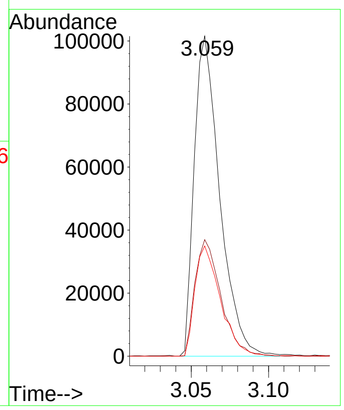


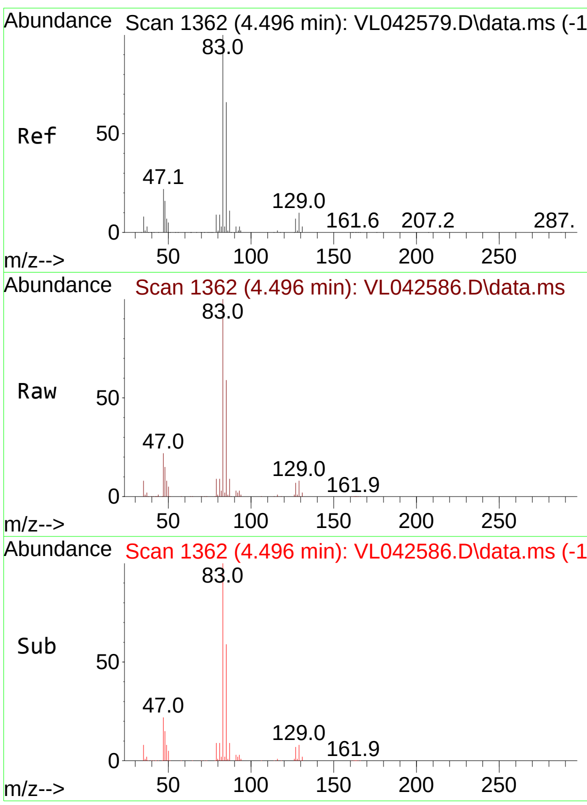
#41
Tetrahydrofuran
Concen: 9.309 ppbv
RT: 3.059 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 42 Resp: 116984

Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.9	43.3
71	34.6	28.5	42.7

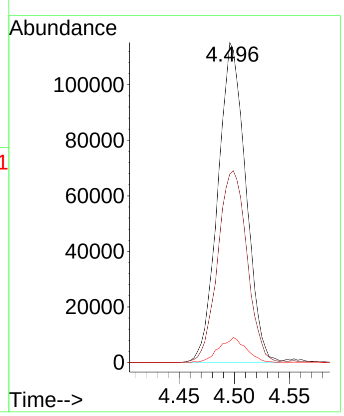


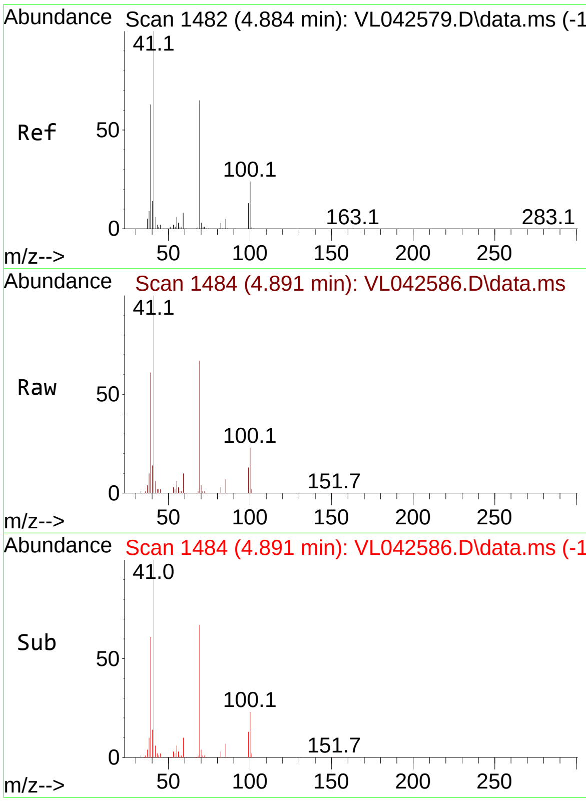


#42
Bromodichloromethane
Concen: 9.676 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 83 Resp: 202489

Ion	Ratio	Lower	Upper
83	100		
85	58.9	52.7	79.1
127	6.7	5.8	8.6



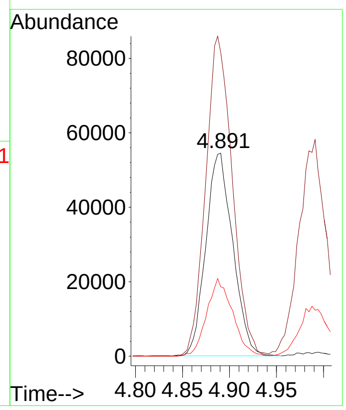


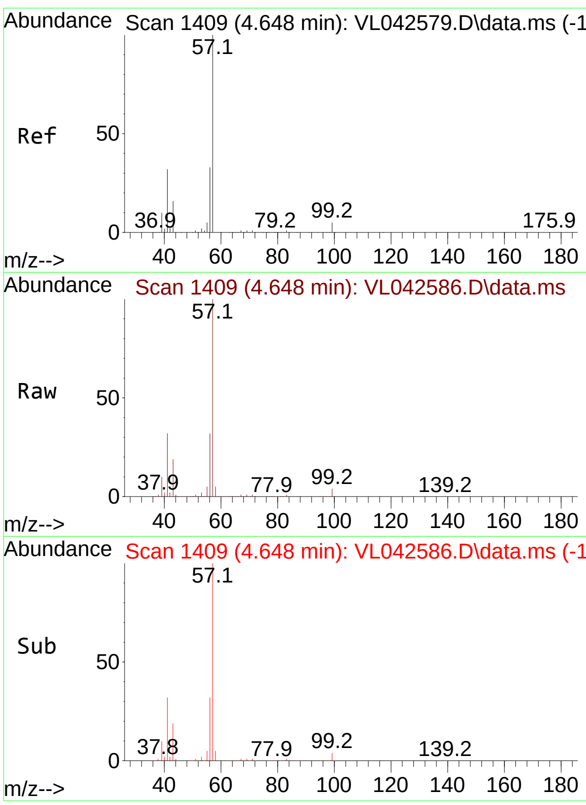
#43
Methyl Methacrylate
Concen: 9.421 ppbv
RT: 4.891 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 69 Resp: 108397

Ion	Ratio	Lower	Upper
69	100		
41	157.1	124.6	187.0
100	36.8	29.9	44.9

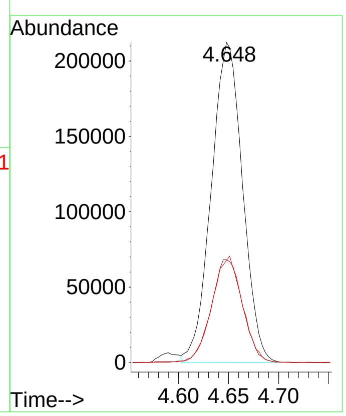


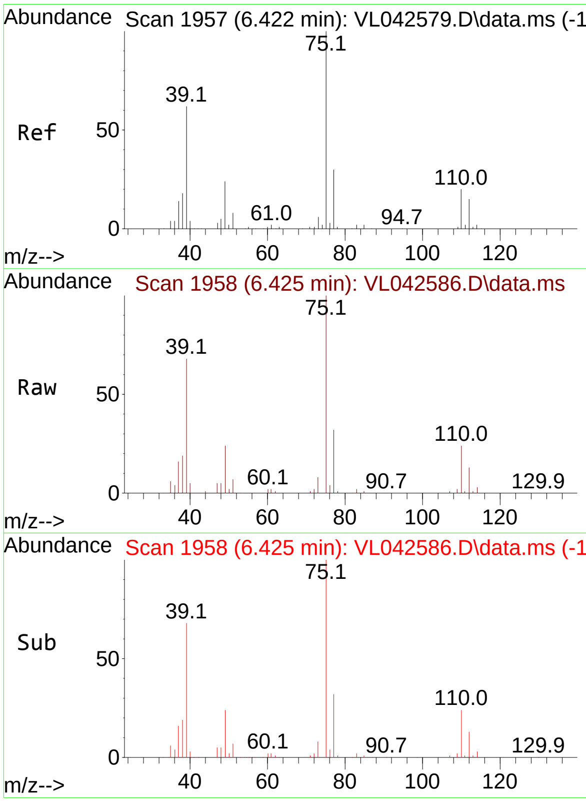


#44
2,2,4-Trimethylpentane
Concen: 9.093 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 57 Resp: 461095

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.1	39.1
56	32.4	25.9	38.9



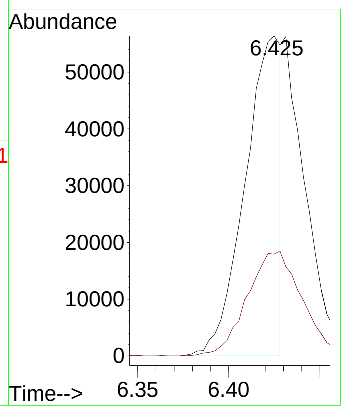


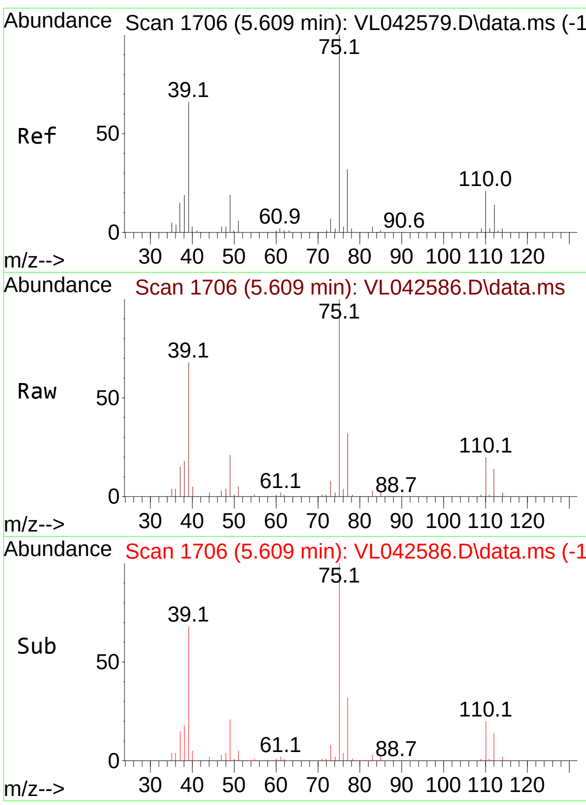
#45
t-1,3-Dichloropropene
Concen: 5.866 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 75 Resp: 77241

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2

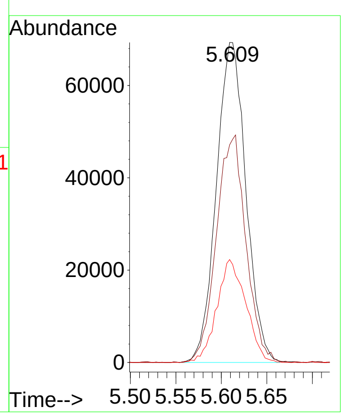


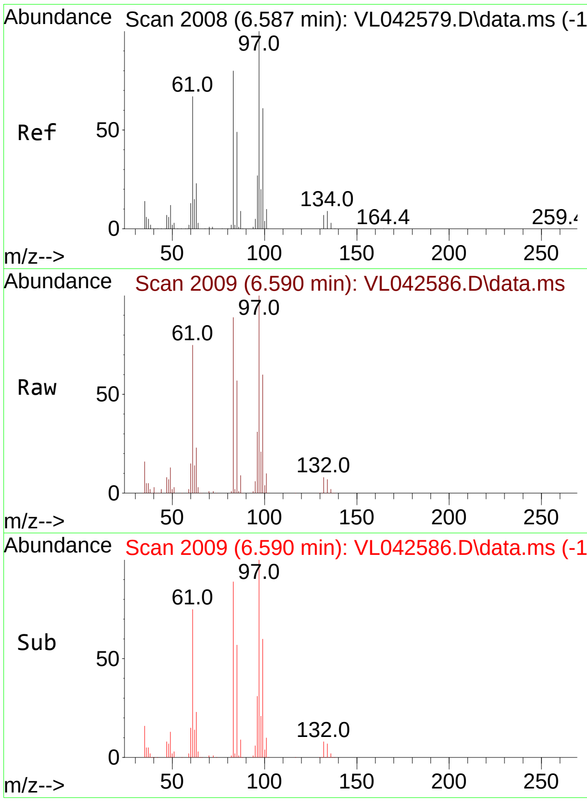


#46
cis-1,3-Dichloropropene
Concen: 9.505 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 75 Resp: 156828

Ion	Ratio	Lower	Upper
75	100		
39	68.0	52.7	79.1
77	32.2	25.8	38.8



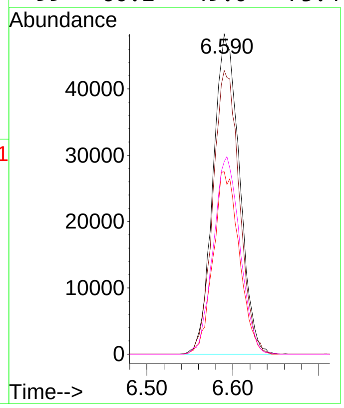


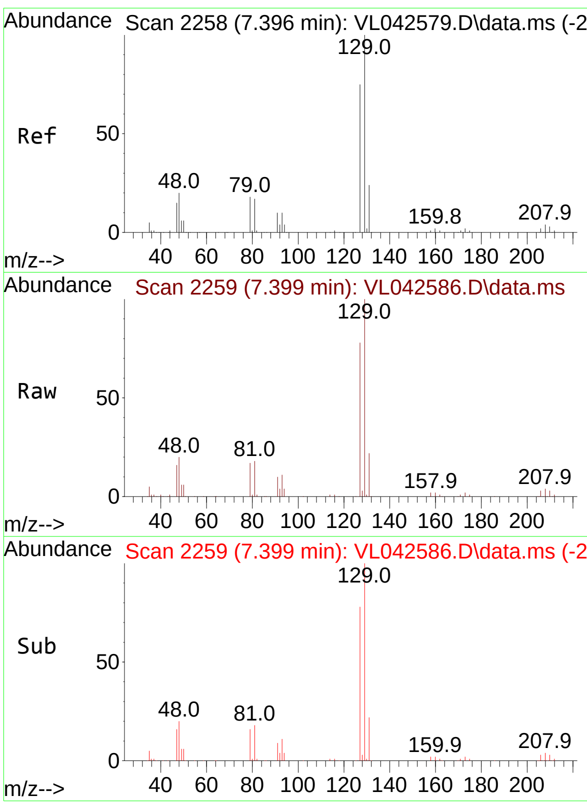
#47
1,1,2-Trichloroethane
Concen: 9.088 ppbv
RT: 6.590 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 97 Resp: 103138

Ion	Ratio	Lower	Upper
97	100		
83	88.6	63.9	95.9
85	57.0	39.2	58.8
99	60.2	49.0	73.4

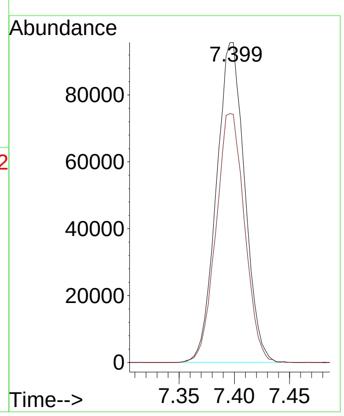


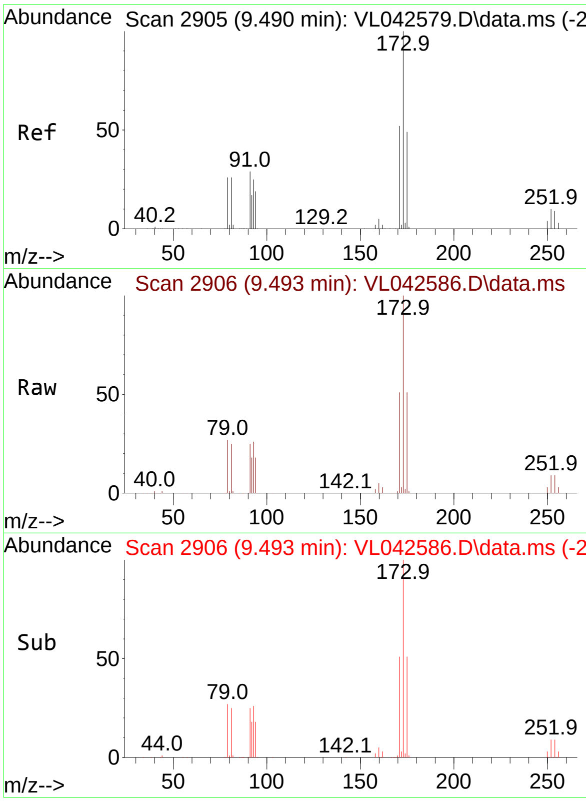


#48
Dibromochloromethane
Concen: 9.391 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:129 Resp: 170606

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	116.9



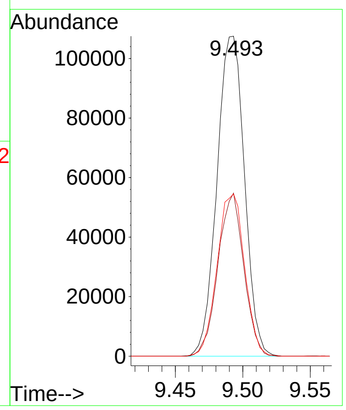


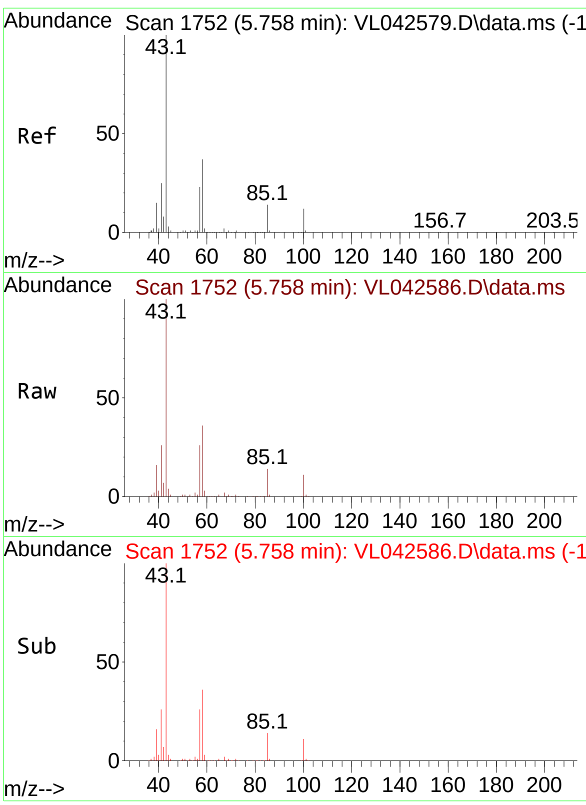
#49
Bromoform
Concen: 9.742 ppbv
RT: 9.493 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:173 Resp: 152725

Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.7	58.1
171	50.6	41.2	61.8

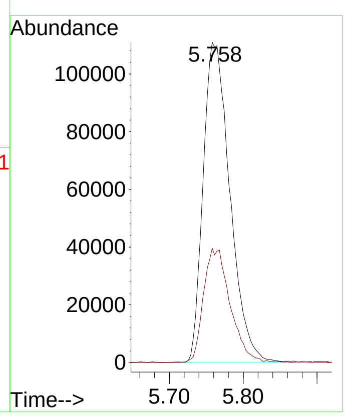


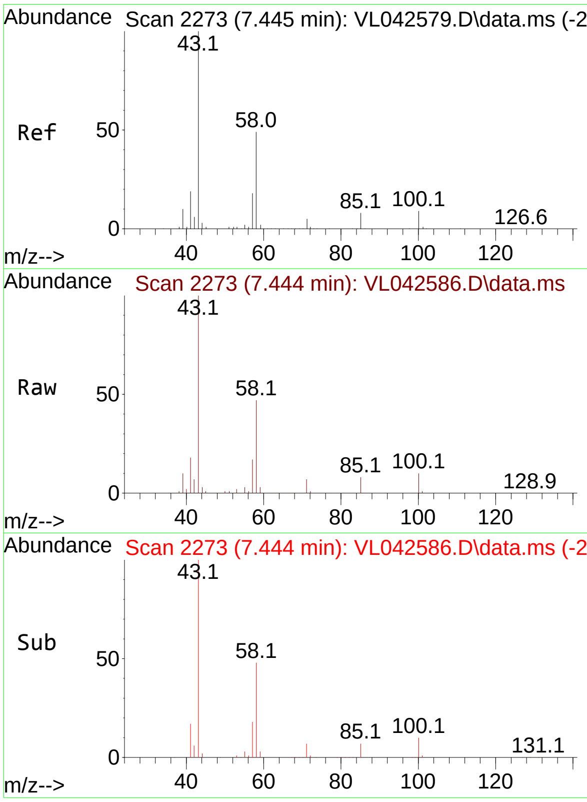


#50
4-Methyl-2-Pentanone
Concen: 9.369 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 43 Resp: 278990

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.3	42.5



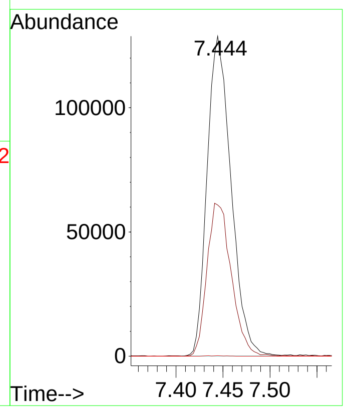


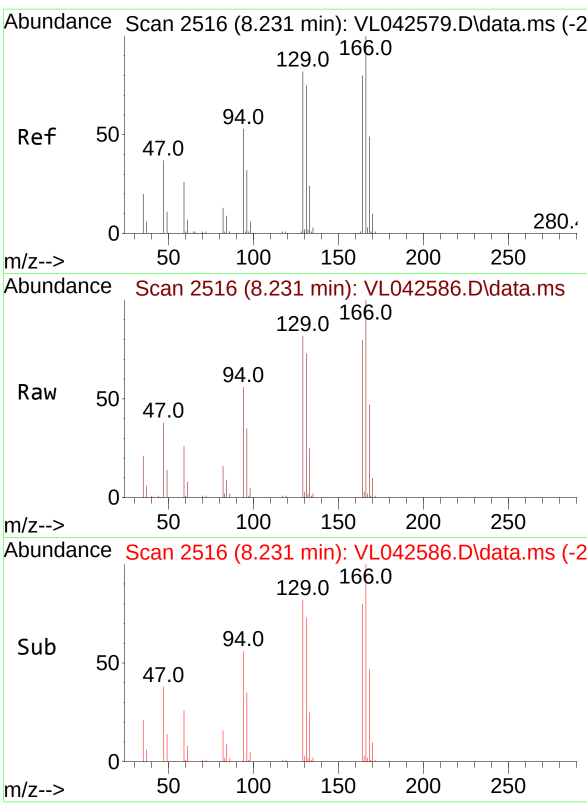
#51
2-Hexanone
Concen: 9.655 ppbv
RT: 7.444 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 43 Resp: 228036

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.9	59.9
98	0.1	0.1	0.1

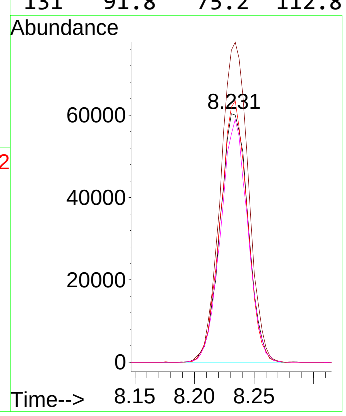


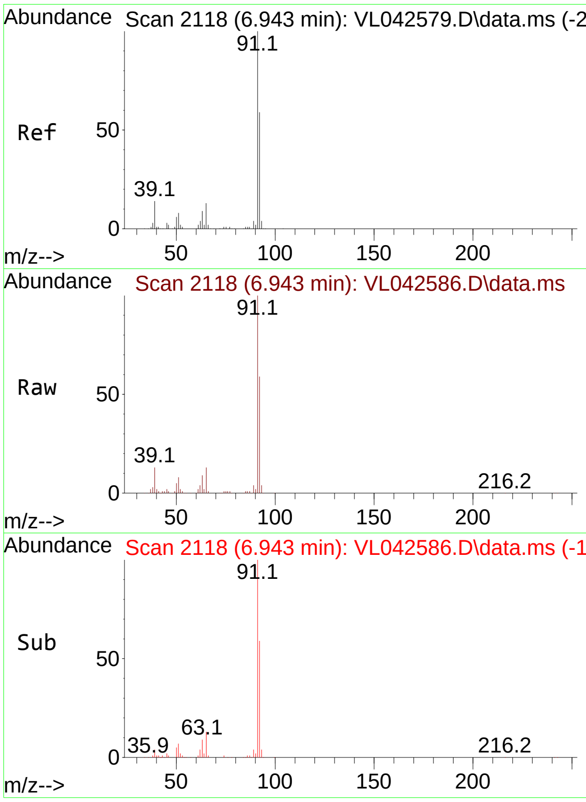


#52
Tetrachloroethene
Concen: 8.925 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:164 Resp: 98872

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.0	150.0
129	102.6	82.2	123.4
131	91.8	75.2	112.8



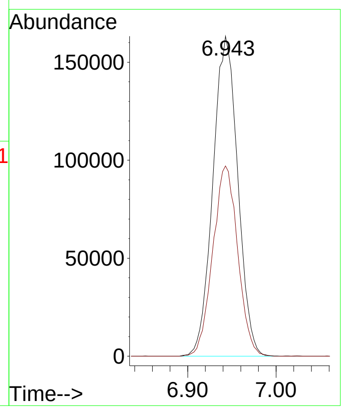


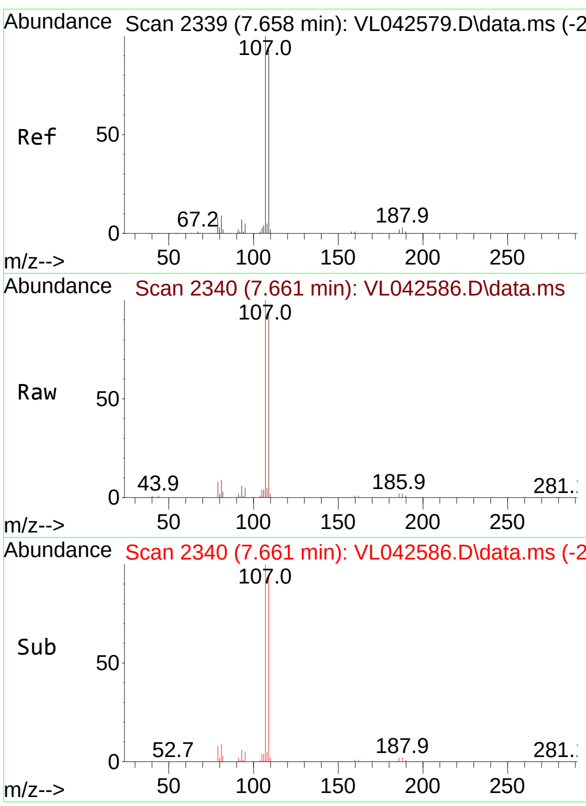
#53
Toluene
Concen: 9.329 ppbv
RT: 6.943 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 91 Resp: 319640

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4

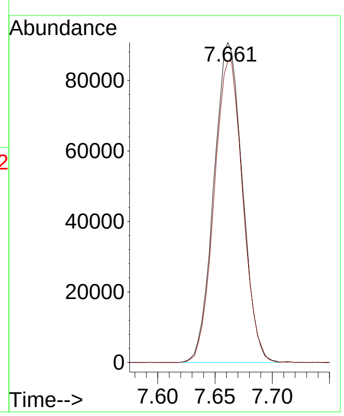


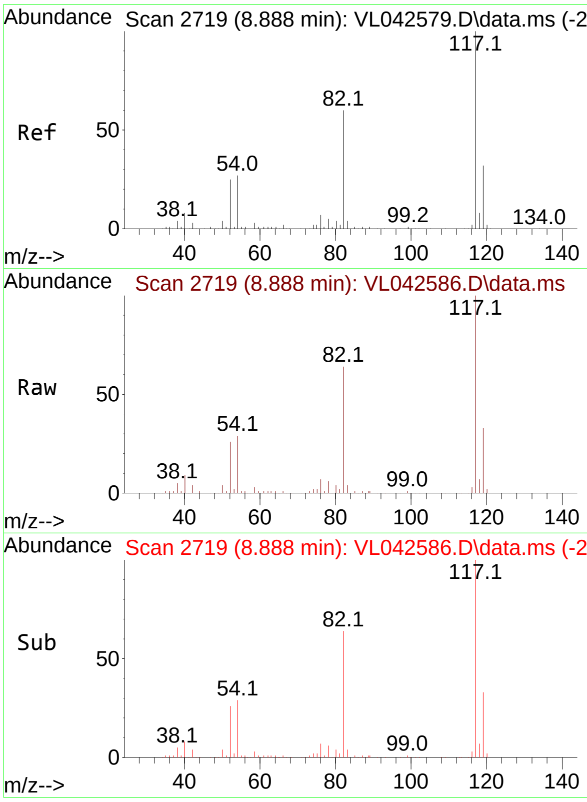


#54
1,2-Dibromoethane
Concen: 9.364 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:107 Resp: 157298

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.3	111.5



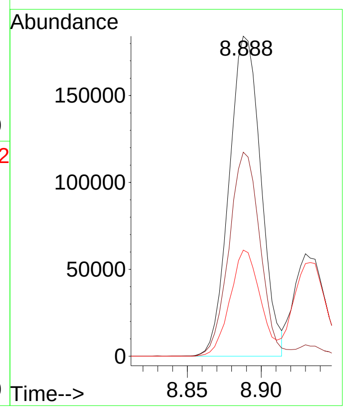


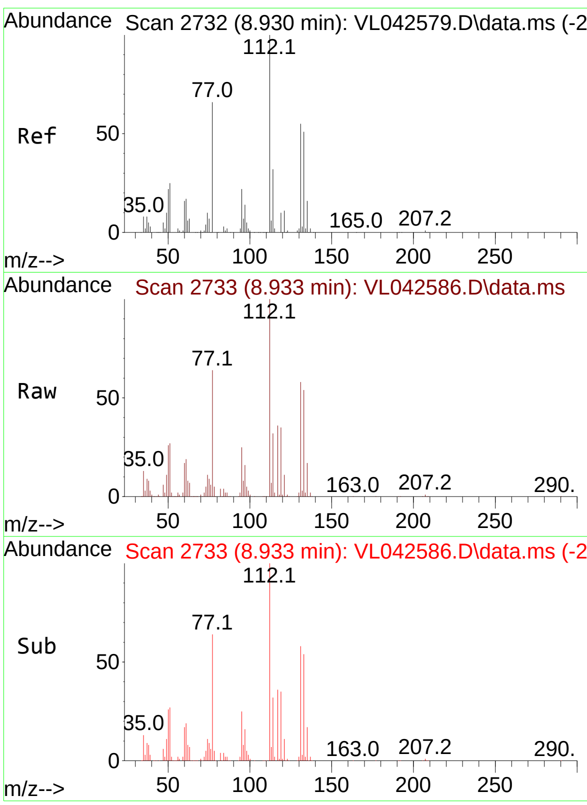
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:117 Resp: 275875

Ion	Ratio	Lower	Upper
117	100		
82	65.3	51.2	76.8
119	31.5	26.3	39.5

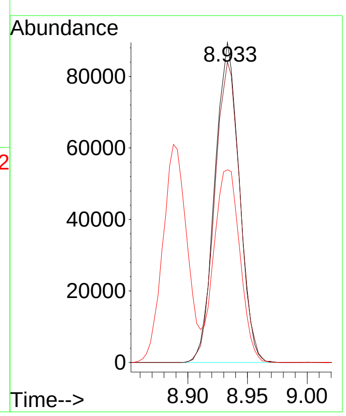


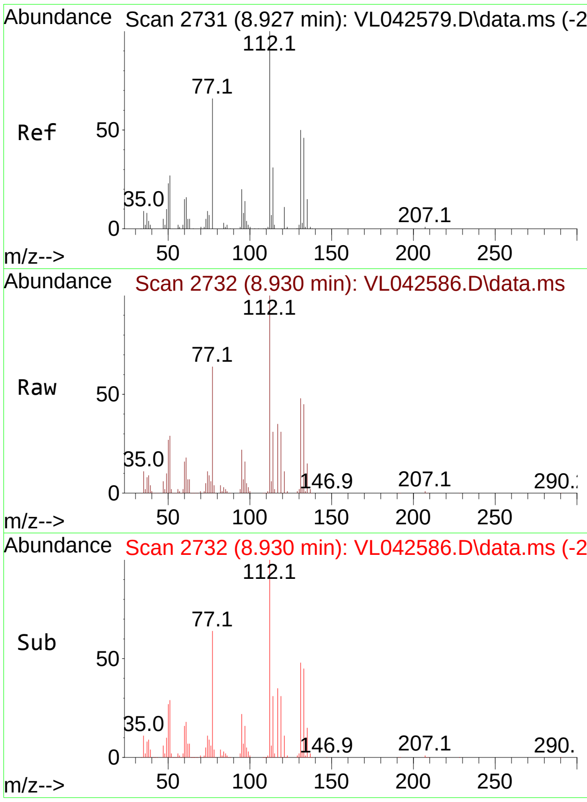


#56
1,1,1,2-Tetrachloroethane
Concen: 9.199 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:131 Resp: 127601

Ion	Ratio	Lower	Upper
131	100		
133	96.6	75.0	112.6
119	65.7	50.8	76.2



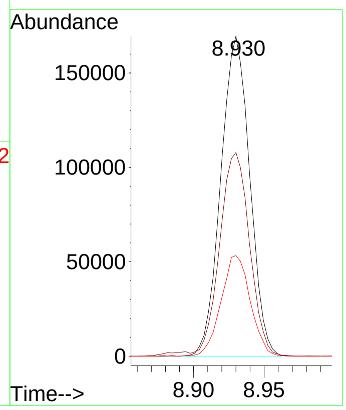


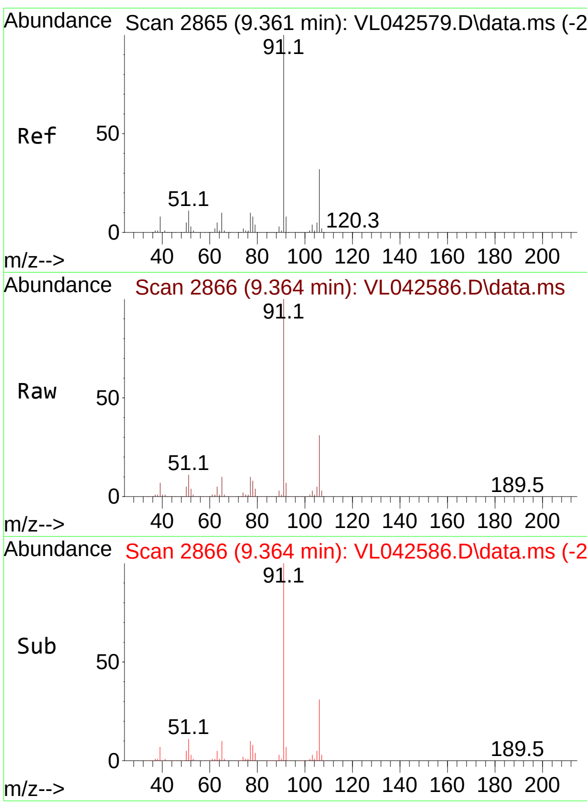
#57
Chlorobenzene
Concen: 9.054 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:112 Resp: 242533

Ion	Ratio	Lower	Upper
112	100		
77	63.4	53.5	80.3
114	31.4	27.8	34.0

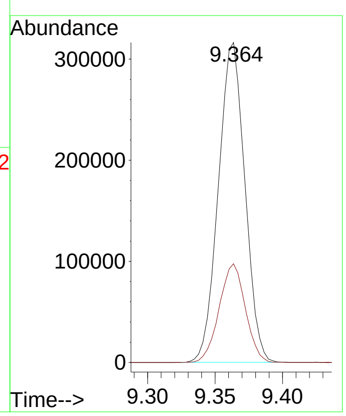


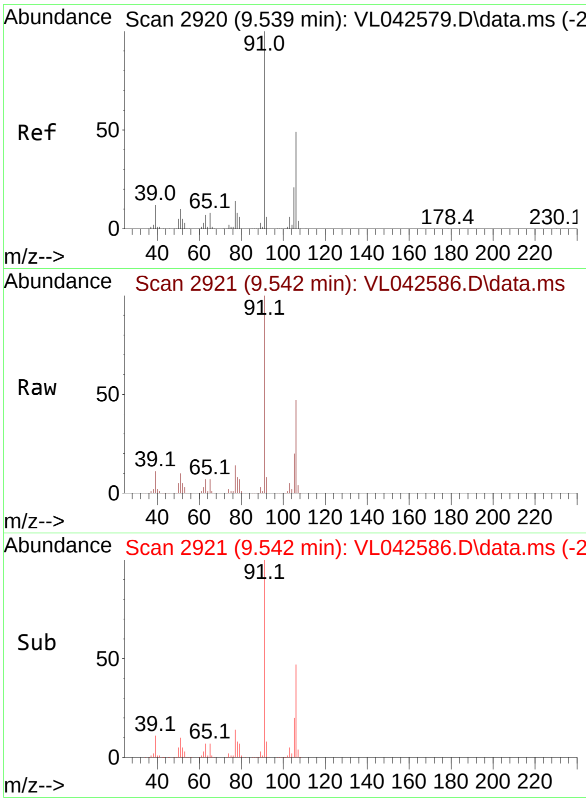


#58
Ethyl Benzene
Concen: 9.237 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 432250

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.9	38.9



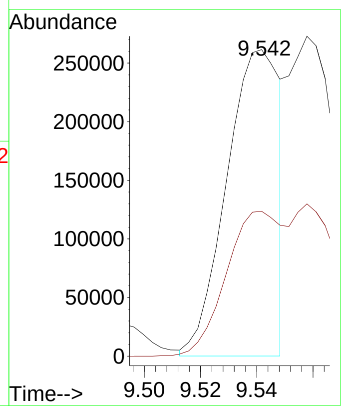


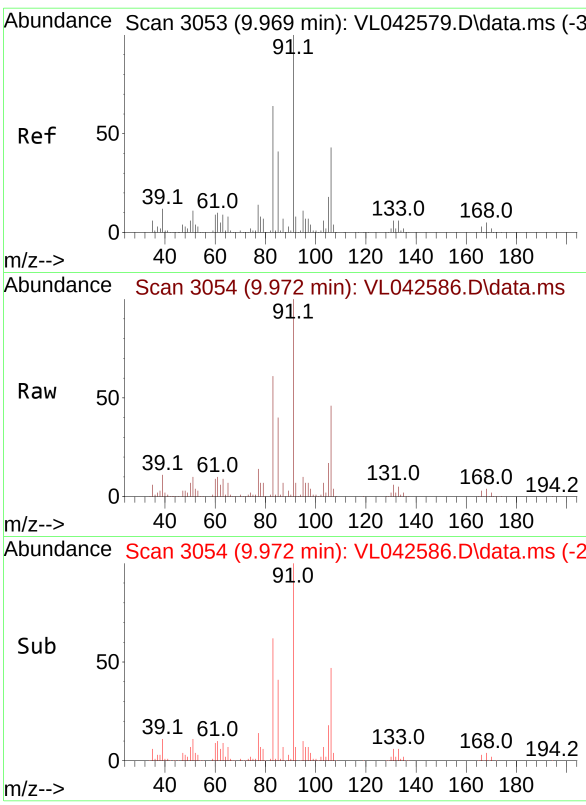
#59
m/p-Xylene
Concen: 9.281 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 91 Resp: 341761

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

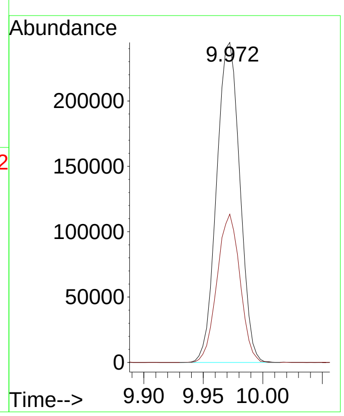


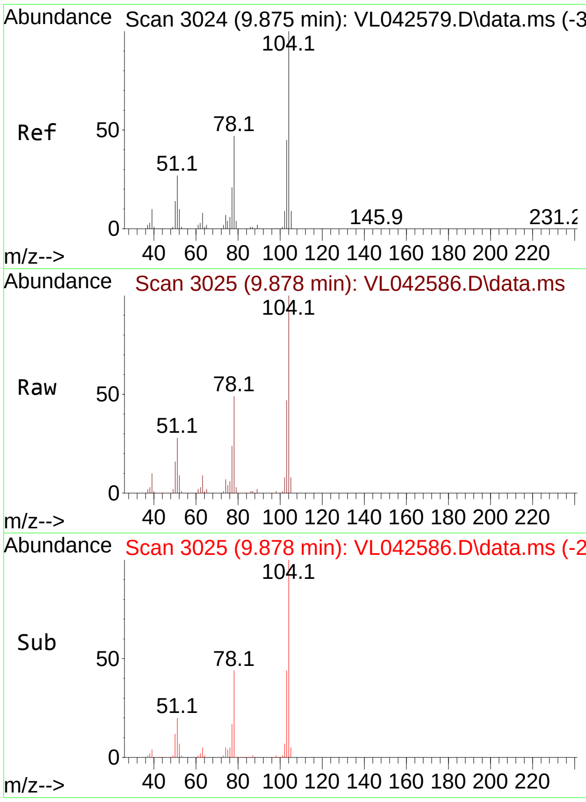


#60
o-Xylene
Concen: 9.069 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 333107

Ion	Ratio	Lower	Upper
91	100		
106	45.7	22.9	68.5



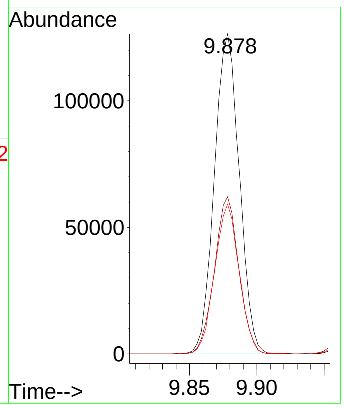


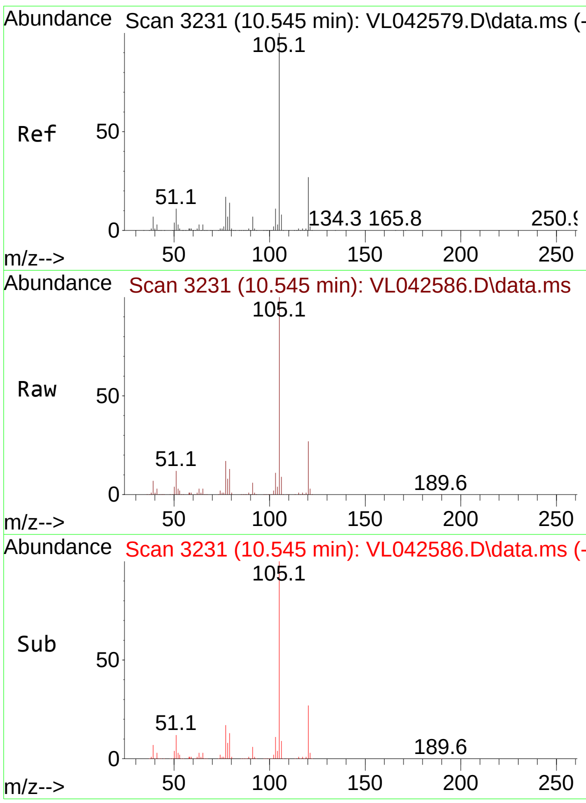
#61
Styrene
Concen: 9.396 ppbv
RT: 9.878 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:104 Resp: 163167

Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.2	57.4
103	46.1	36.7	55.1

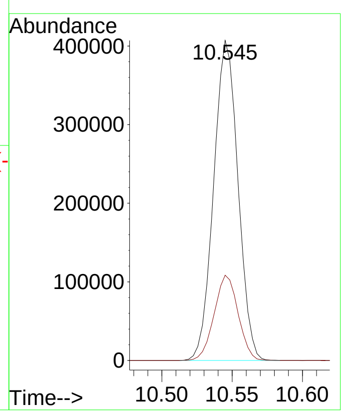


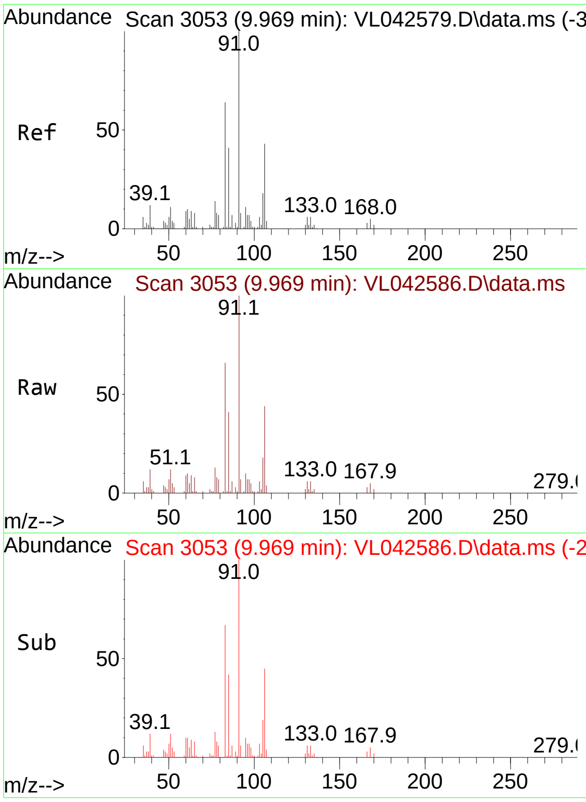


#62
Isopropylbenzene
Concen: 9.051 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 491107

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.9	31.3



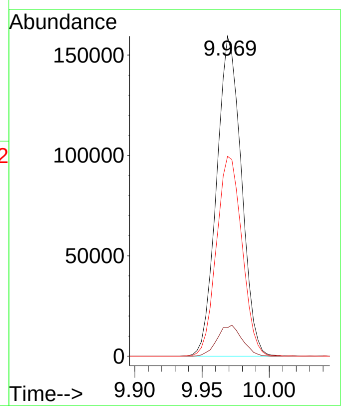


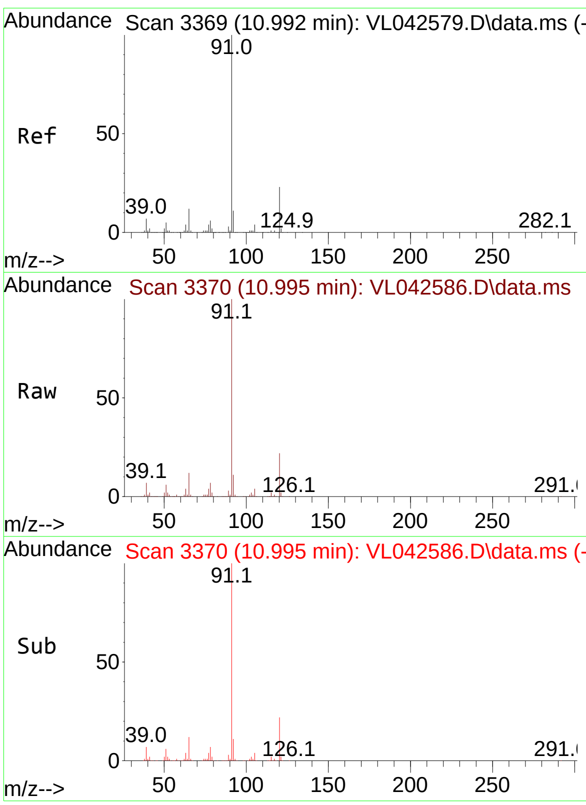
#63
1,1,2,2-Tetrachloroethane
Concen: 8.749 ppbv
RT: 9.969 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 83 Resp: 204322

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.5	32.5	97.4

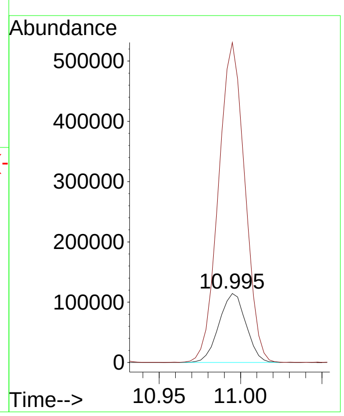


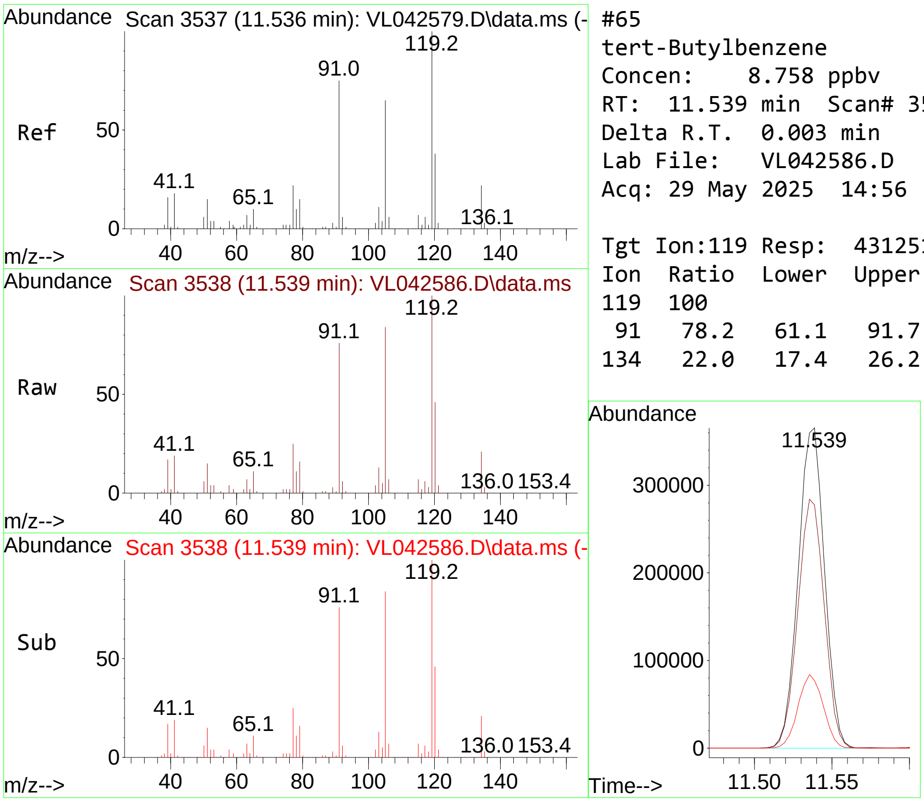


#64
n-propylbenzene
Concen: 9.054 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:120 Resp: 131695

Ion	Ratio	Lower	Upper
120	100		
91	453.7	363.0	544.6



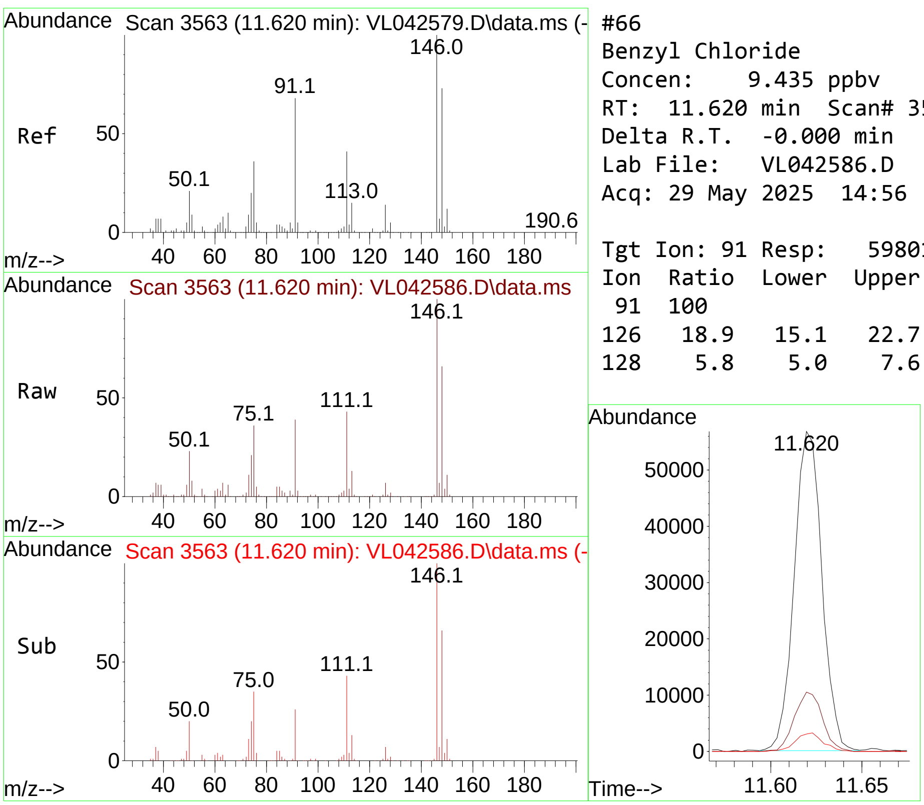


#65
tert-Butylbenzene
Concen: 8.758 ppbv
RT: 11.539 min Scan# 3!
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:119 Resp: 431251

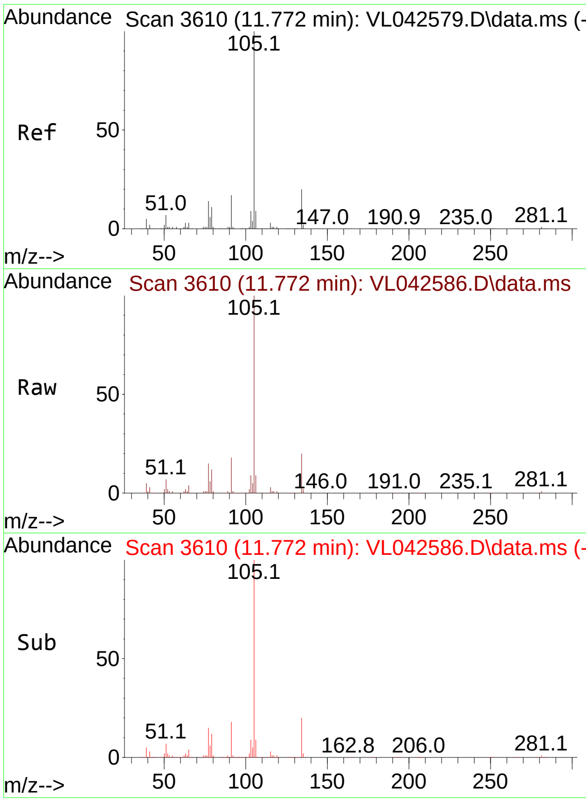
Ion	Ratio	Lower	Upper
119	100		
91	78.2	61.1	91.7
134	22.0	17.4	26.2



#66
Benzyl Chloride
Concen: 9.435 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 59801

Ion	Ratio	Lower	Upper
91	100		
126	18.9	15.1	22.7
128	5.8	5.0	7.6

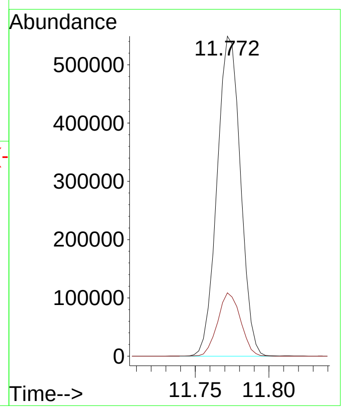


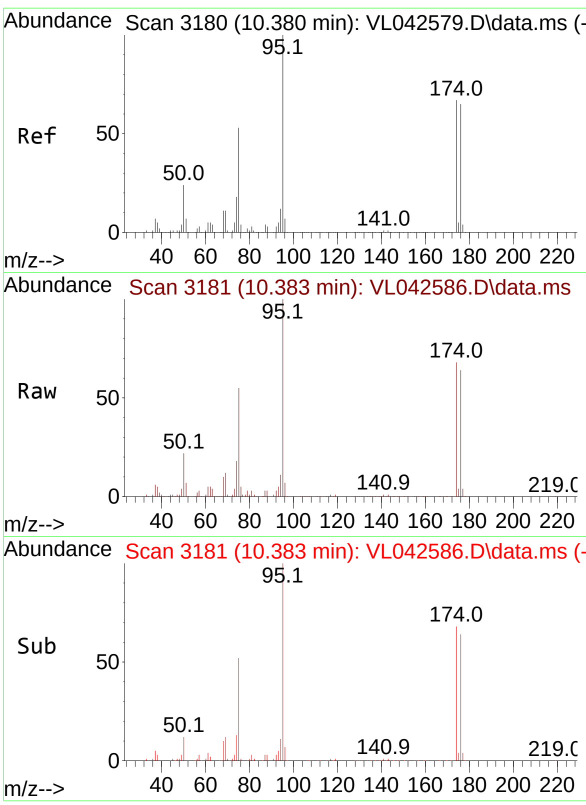
#67
sec-Butylbenzene
Concen: 8.781 ppbv
RT: 11.772 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:105 Resp: 607905

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.8	23.6

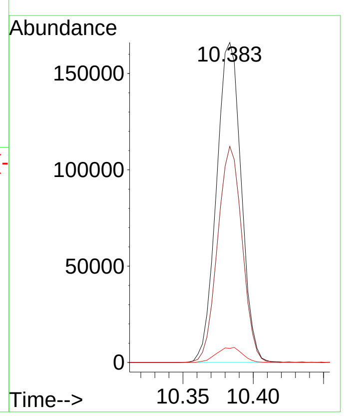


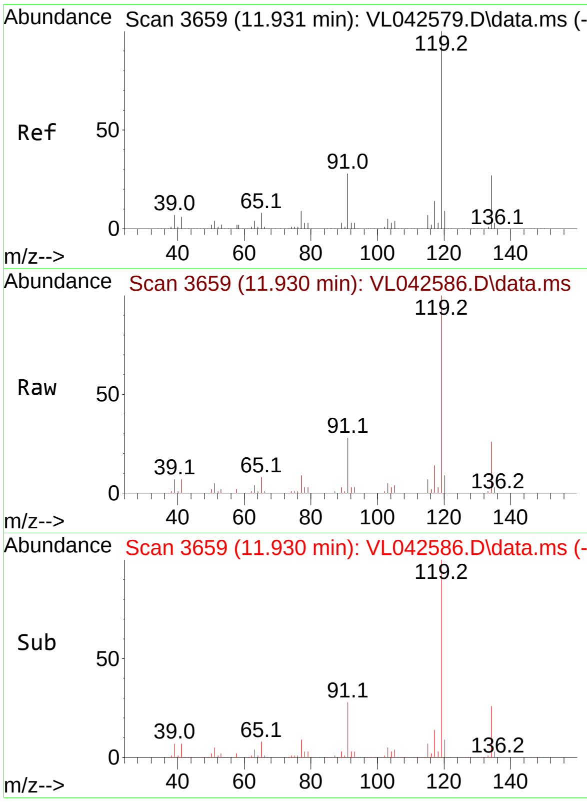


#68
1-Bromo-4-Fluorobenzene
Concen: 9.852 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 95 Resp: 203743

Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.1	79.7
175	4.9	4.2	6.2



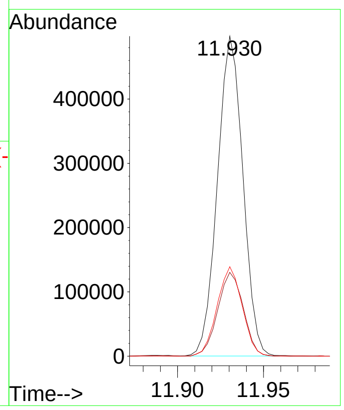


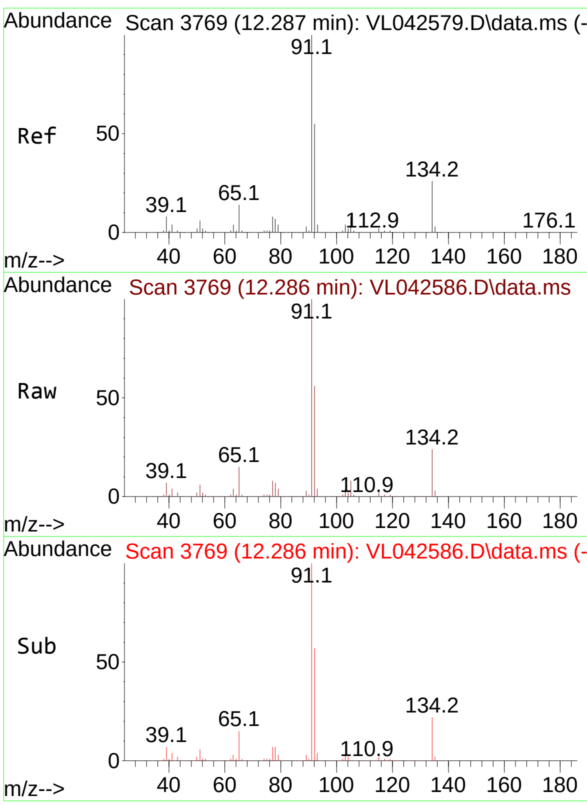
#69
p-Isopropyltoluene
Concen: 8.844 ppbv
RT: 11.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:119 Resp: 512739

Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.1	31.7
91	27.7	21.9	32.9

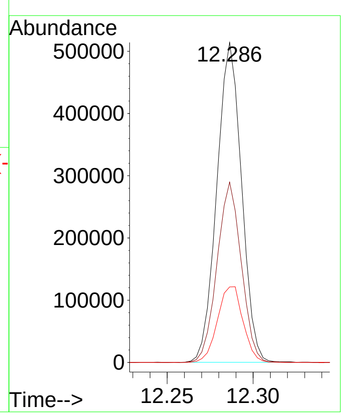


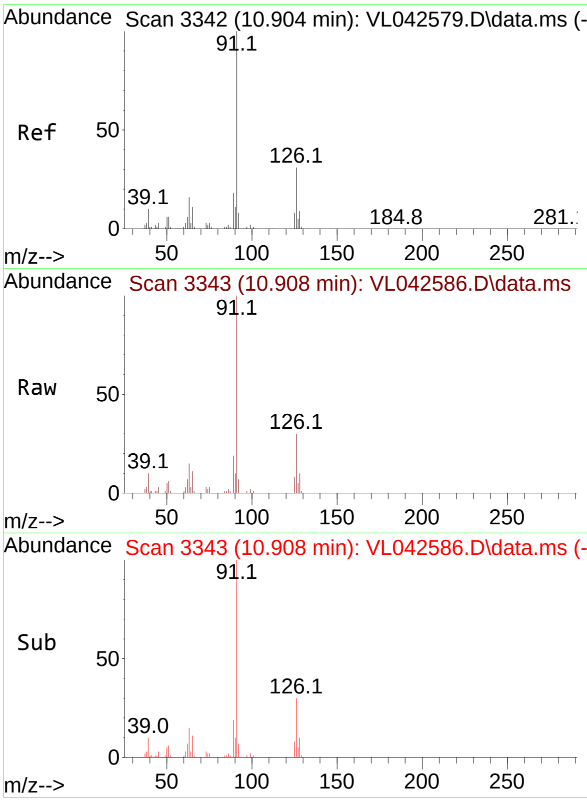


#70
n-Butylbenzene
Concen: 8.998 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion: 91 Resp: 514931

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.4	66.6
134	24.6	20.1	30.1



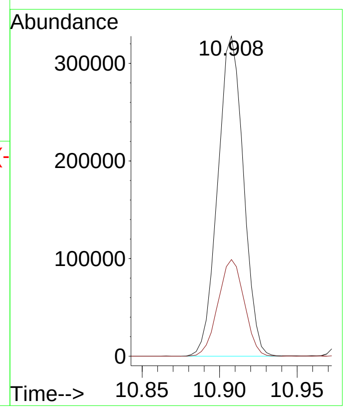


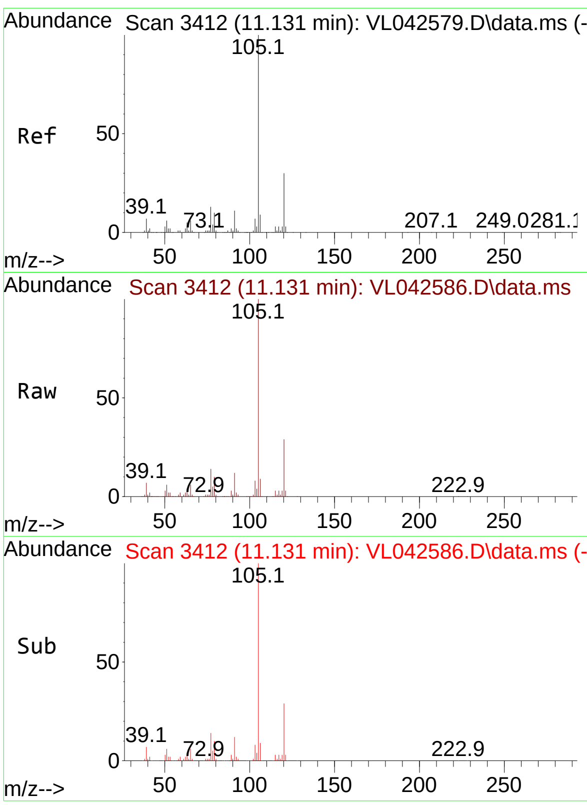
#71
2-Chlorotoluene
Concen: 9.119 ppbv
RT: 10.908 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion: 91 Resp: 377413

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.6	50.4

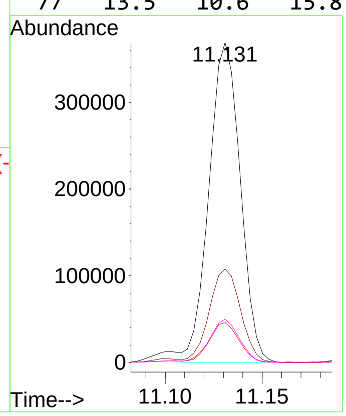


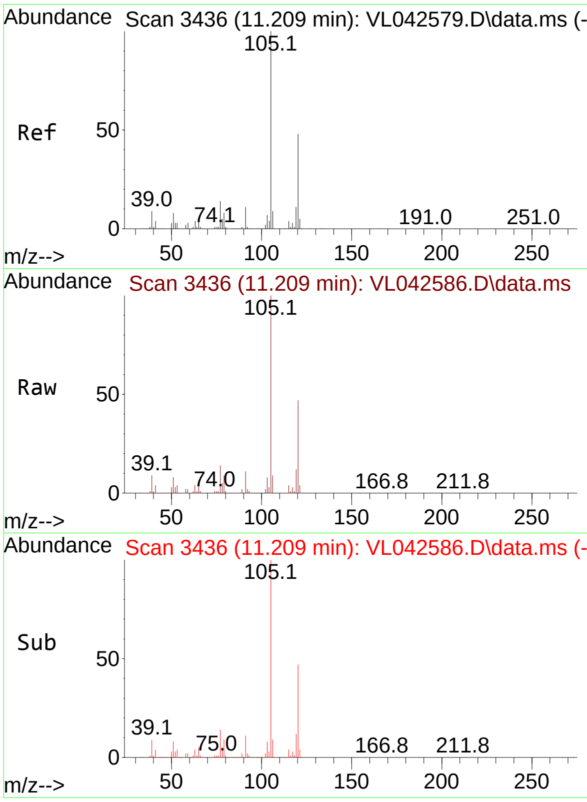


#72
4-Ethyltoluene
Concen: 9.012 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 412686

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.6	36.8
91	12.4	9.6	14.4
77	13.5	10.6	15.8



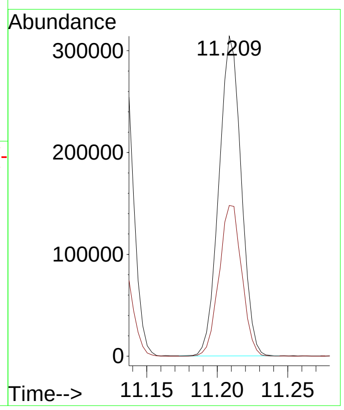


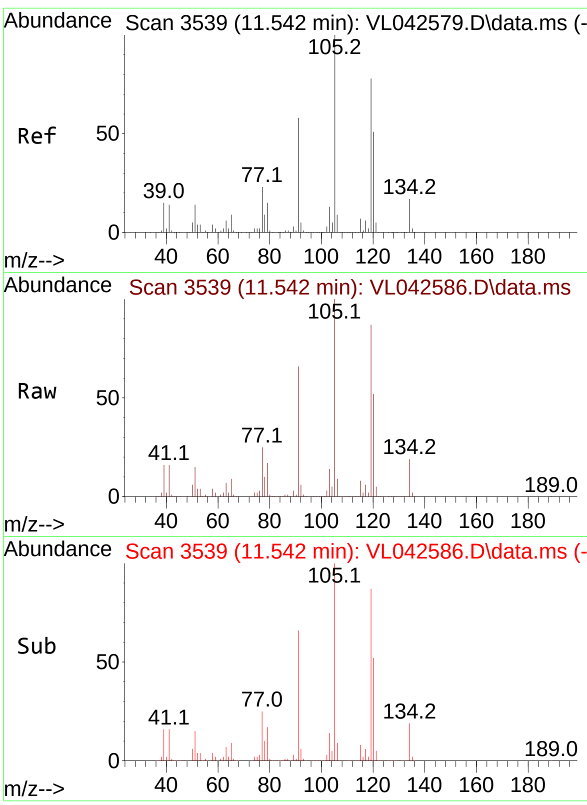
#73
1,3,5-Trimethylbenzene
Concen: 9.131 ppbv
RT: 11.209 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:105 Resp: 346043

Ion	Ratio	Lower	Upper
105	100		
120	47.1	38.8	58.2

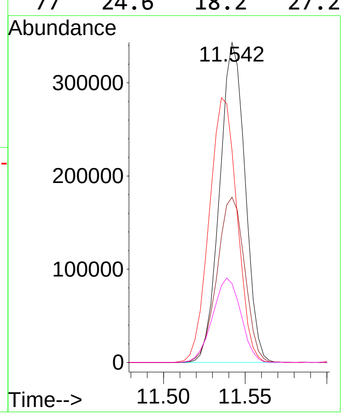


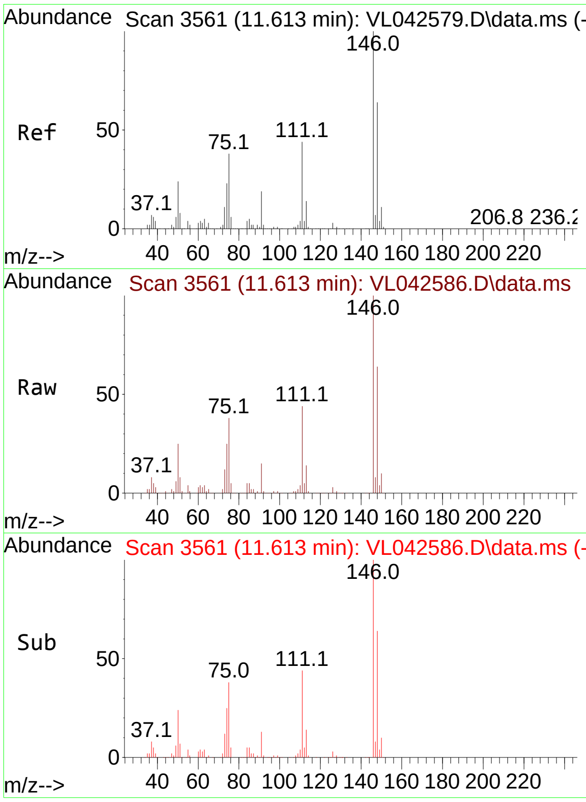


#74
1,2,4-Trimethylbenzene
Concen: 8.842 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:105 Resp: 371879

Ion	Ratio	Lower	Upper
105	100		
120	51.6	40.8	61.2
91	66.2	46.8	70.2
77	24.6	18.2	27.2



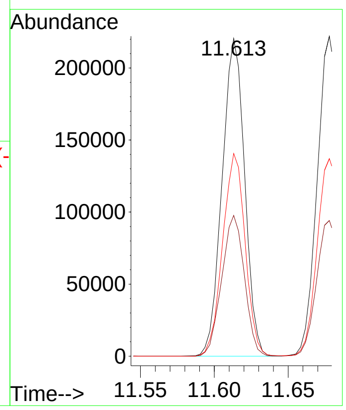


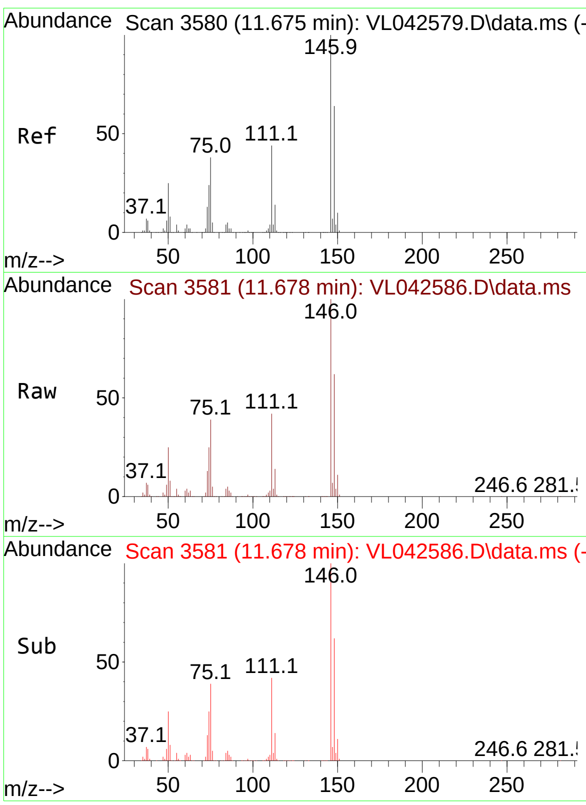
#75
1,3-Dichlorobenzene
Concen: 8.886 ppbv
RT: 11.613 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:146 Resp: 234703

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.4	67.3
148	63.8	32.0	96.2

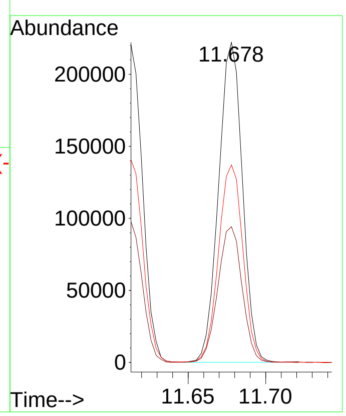


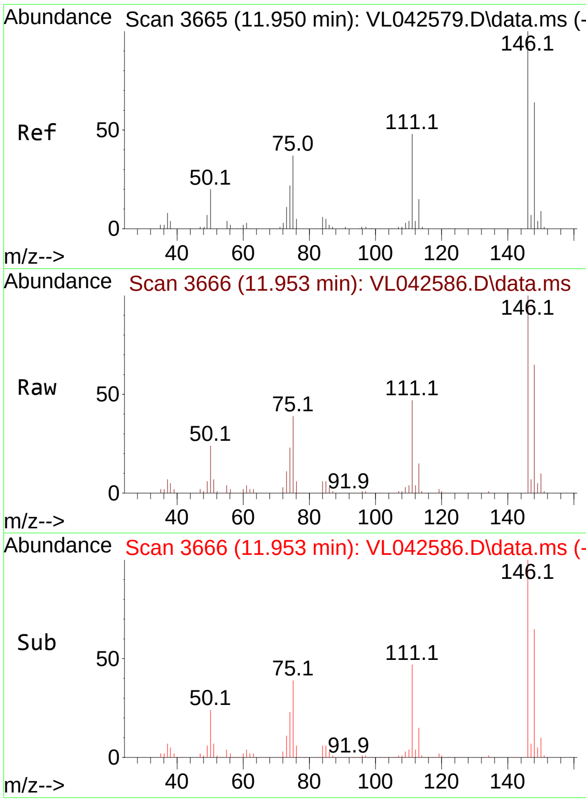


#76
1,4-Dichlorobenzene
Concen: 9.034 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:146 Resp: 237978

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.3	32.1	96.5



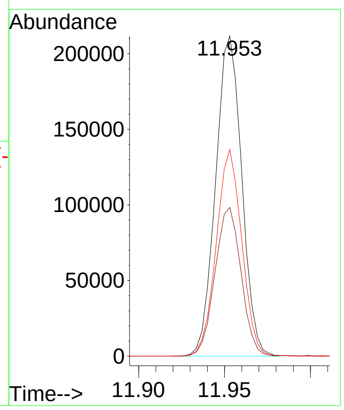


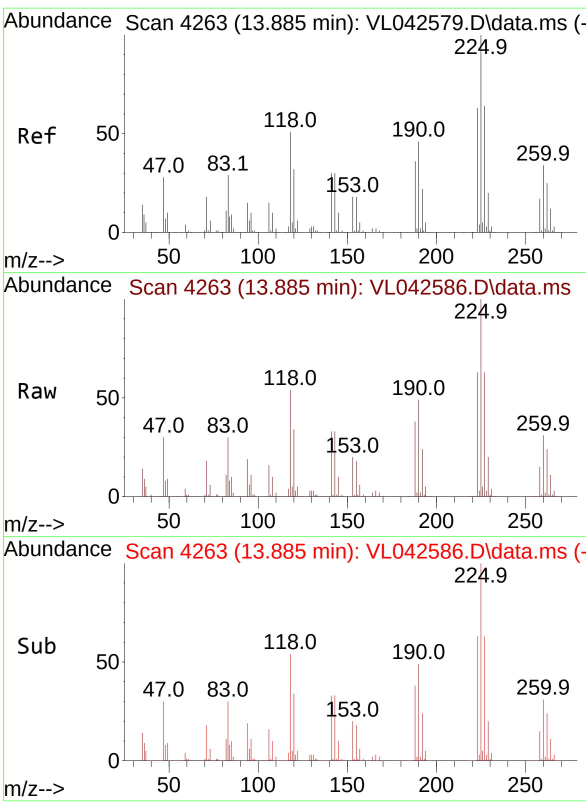
#77
1,2-Dichlorobenzene
Concen: 8.754 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:146 Resp: 224400

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.1	69.3
148	63.1	32.1	96.3

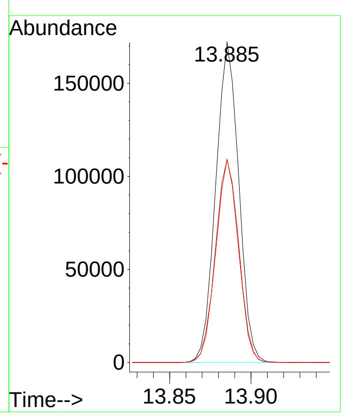


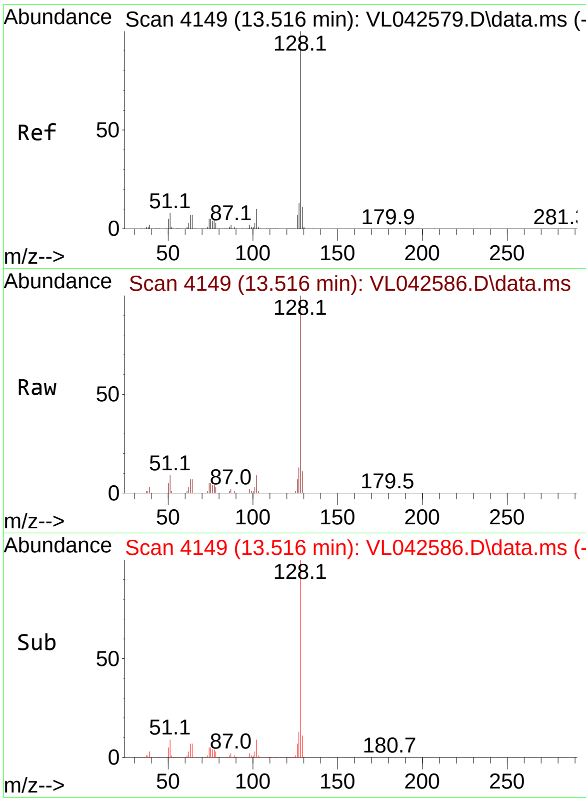


#78
Hexachloro-1,3-Butadiene
Concen: 7.977 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:225 Resp: 169185

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.4
227	63.5	51.1	76.7



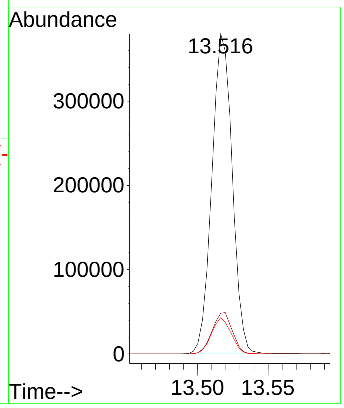


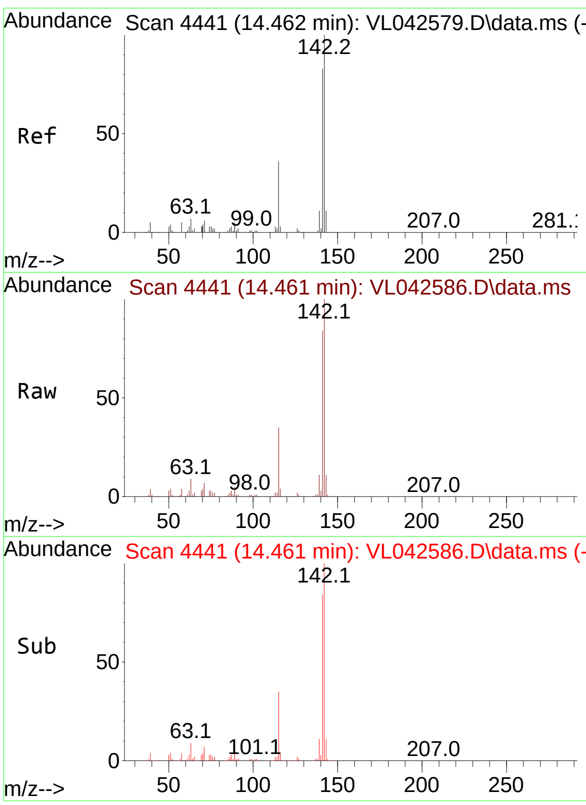
#79
Naphthalene
Concen: 9.666 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:128 Resp: 383192

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.3	8.8	13.2

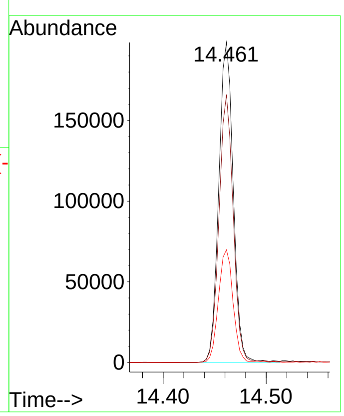


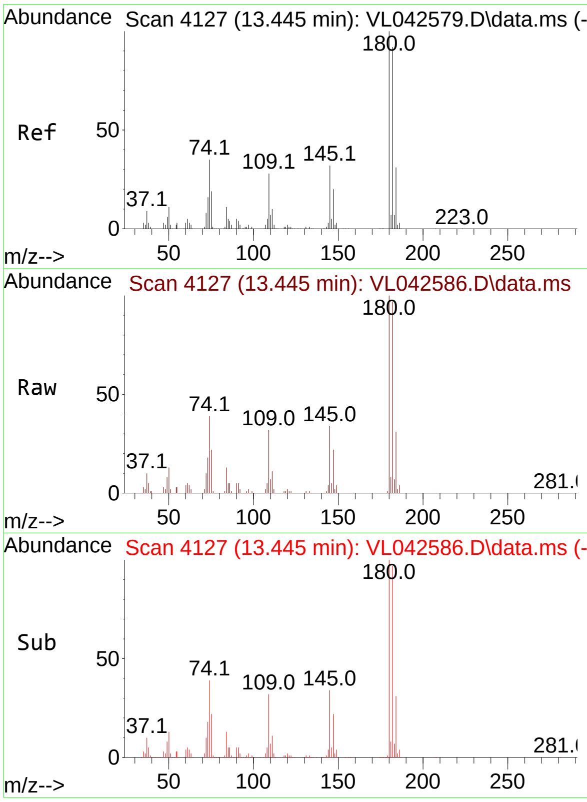


#80
Naphthalene,2-methyl-
Concen: 10.853 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Tgt Ion:142 Resp: 194375

Ion	Ratio	Lower	Upper
142	100		
141	83.1	66.2	99.4
115	36.0	28.3	42.5



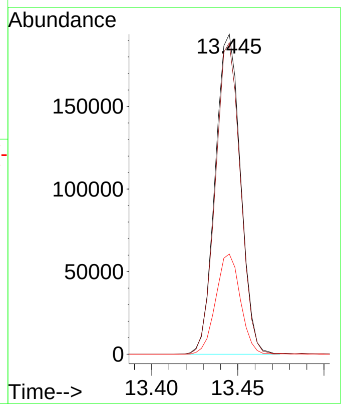


#81
1,2,4-Trichlorobenzene
Concen: 8.978 ppbv
RT: 13.445 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042586.D
Acq: 29 May 2025 14:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Tgt Ion:180 Resp: 198696

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.4
184	30.4	24.6	36.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jun 17 03:02:28 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	2.787	49	107738	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	288897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	262507	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	204239	10.379	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	134876	10.186	ppbv	99
3) Chlorodifluoromethane	1.476	51	175470	9.622	ppbv	99
4) Chloromethane	1.531	50	50995	9.725	ppbv	99
5) Vinyl Chloride	1.580	62	47957	8.978	ppbv	99
6) Bromomethane	1.667	94	23512	9.044	ppbv	96
7) Chloroethane	1.703	64	19501	9.396	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	110938	10.055	ppbv	99
9) Propene	1.483	41	68245	9.292	ppbv	98
10) Heptane	4.975	43	194603	9.400	ppbv	99
11) Trichlorofluoromethane	1.877	101	138650	11.254	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	107550	11.117	ppbv	97
13) Ethanol	1.719	45	5413	6.185	ppbv	89
14) Bromoethene	1.780	108	38645	10.620	ppbv	97
15) Acetone	1.835	43	116520	8.979	ppbv	97
16) 1,3-Butadiene	1.609	39	57252	9.313	ppbv	96
17) tert-Butyl alcohol	2.039	59	139063	10.286	ppbv	100
18) 1,1-Dichloroethene	2.033	96	47387	10.568	ppbv	96
19) Isopropyl Alcohol	1.884	45	73508	9.475	ppbv	97
20) Methylene Chloride	2.062	84	39938	9.326	ppbv	95
21) Allyl Chloride	2.094	41	91238	9.964	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	52863	10.554	ppbv	99
23) Vinyl Acetate	2.460	43	215190	12.267	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	107798	10.460	ppbv	99
25) Ethyl Acetate	2.832	43	347073	9.773	ppbv	99
26) Hexane	2.823	57	150675	9.337	ppbv	97
27) Carbon Disulfide	2.149	76	135326	10.923	ppbv #	91
28) Methyl tert-Butyl Ether	2.437	73	67524	10.311	ppbv	97
29) Chloroform	2.848	83	215284	10.259	ppbv	99
30) Cyclohexane	3.855	84	122368	9.147	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	146273	9.909	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	210503	9.818	ppbv	98
34) 2-Butanone	2.554	43	228811	11.106	ppbv	100
35) Carbon Tetrachloride	3.761	117	212075	11.120	ppbv	100
36) Benzene	3.654	78	301626	10.602	ppbv	99
37) 1,2-Dichloroethane	3.217	62	164738	11.651	ppbv	98
38) Trichloroethene	4.544	130	121690	10.063	ppbv	94
39) 1,2-Dichloropropane	4.311	63	109074	10.368	ppbv	97
40) 1,4-Dioxane	4.577	88	48153	10.229	ppbv #	98
41) Tetrahydrofuran	3.052	42	125788	10.430	ppbv	99
42) Bromodichloromethane	4.486	83	236809	11.792	ppbv	98
43) Methyl Methacrylate	4.875	69	115983	10.504	ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	508749	10.455	ppbv	98
45) t-1,3-Dichloropropene	6.412	75	133838	10.592	ppbv	95

Quantitation Report   (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On   : 16 Jun 2025 08:54
Operator : SY/MD
Sample   : VSTDCCC010
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jun 17 03:02:28 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)
46) cis-1,3-Dichloropropene	5.596	75	168729	10.657	ppbv		94
47) 1,1,2-Trichloroethane	6.577	97	117073	10.750	ppbv		93
48) Dibromochloromethane	7.383	129	189133	10.848	ppbv		99
49) Bromoform	9.484	173	162032	10.771	ppbv		99
50) 4-Methyl-2-Pentanone	5.745	43	305302	10.684	ppbv		100
51) 2-Hexanone	7.432	43	244283	10.778	ppbv	#	97
52) Tetrachloroethene	8.221	164	103159	9.704	ppbv		98
53) Toluene	6.930	91	337532	10.265	ppbv		99
54) 1,2-Dibromoethane	7.652	107	173642	10.772	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.924	131	140969	10.680	ppbv		96
57) Chlorobenzene	8.920	112	257844	10.116	ppbv		95
58) Ethyl Benzene	9.354	91	465413	10.452	ppbv		96
59) m/p-Xylene	9.532	91	400220	11.421	ppbv	#	29
60) o-Xylene	9.963	91	368739	10.551	ppbv		98
61) Styrene	9.872	104	167379	10.130	ppbv		99
62) Isopropylbenzene	10.539	105	537202	10.405	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	234954	10.572	ppbv		99
64) n-propylbenzene	10.989	120	141307	10.210	ppbv		94
65) tert-Butylbenzene	11.532	119	469685	10.024	ppbv		96
66) Benzyl Chloride	11.617	91	58077	9.630	ppbv		98
67) sec-Butylbenzene	11.769	105	670092	10.172	ppbv		98
69) p-Isopropyltoluene	11.924	119	553909	10.041	ppbv		99
70) n-Butylbenzene	12.280	91	570539	10.478	ppbv		98
71) 2-Chlorotoluene	10.901	91	410506	10.423	ppbv		98
72) 4-Ethyltoluene	11.125	105	453022	10.397	ppbv		99
73) 1,3,5-Trimethylbenzene	11.205	105	375736	10.419	ppbv		98
74) 1,2,4-Trimethylbenzene	11.536	105	410308	10.253	ppbv	#	90
75) 1,3-Dichlorobenzene	11.607	146	255878	10.182	ppbv		100
76) 1,4-Dichlorobenzene	11.672	146	256373	10.228	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	239527	9.820	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	181205	8.979	ppbv		99
79) Naphthalene	13.513	128	404699	10.728	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	199431	11.702	ppbv		99
81) 1,2,4-Trichlorobenzene	13.439	180	209155	9.932	ppbv		98

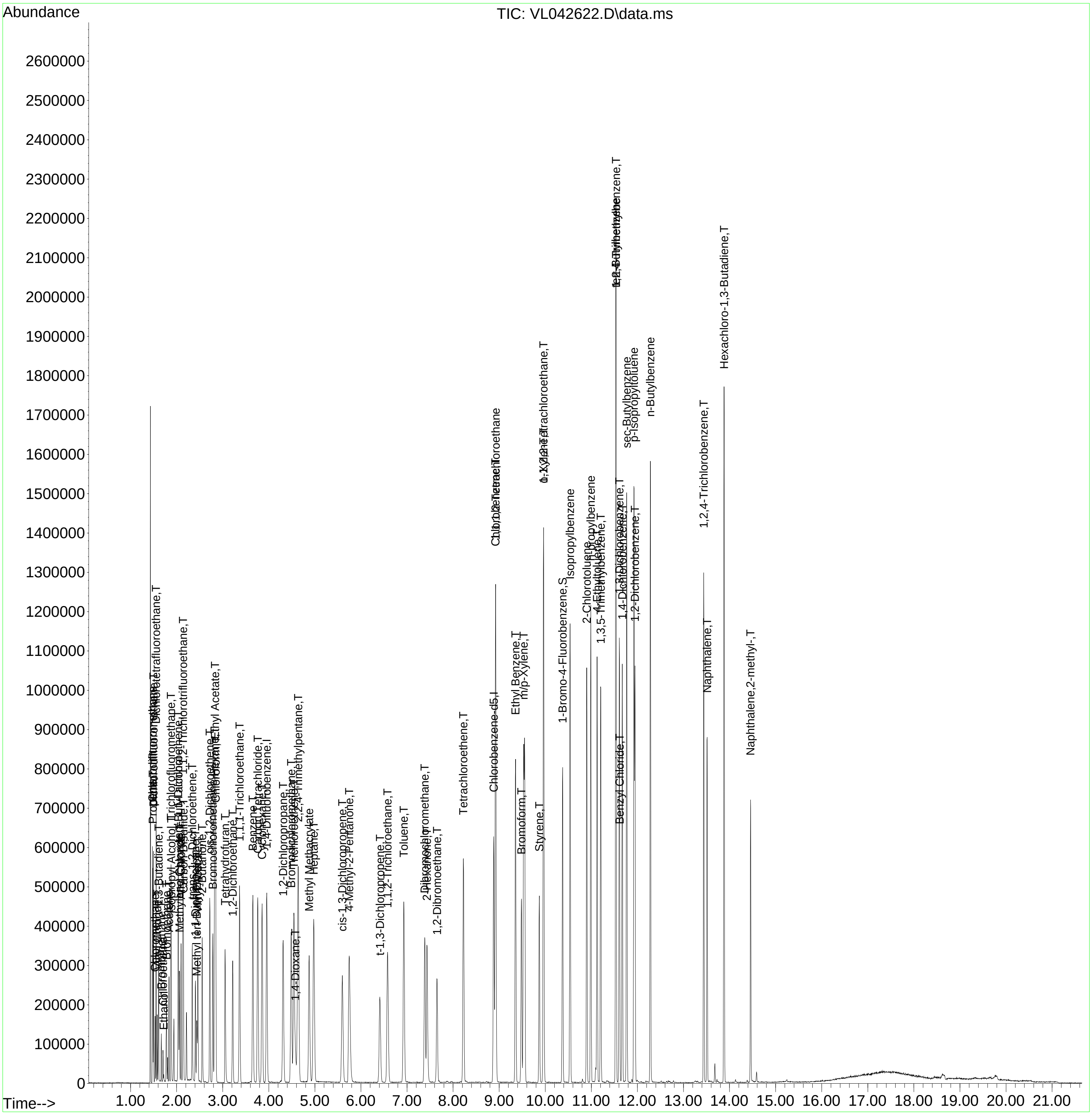
(#) = qualifier out of range (m) = manual integration (+) = signals summed

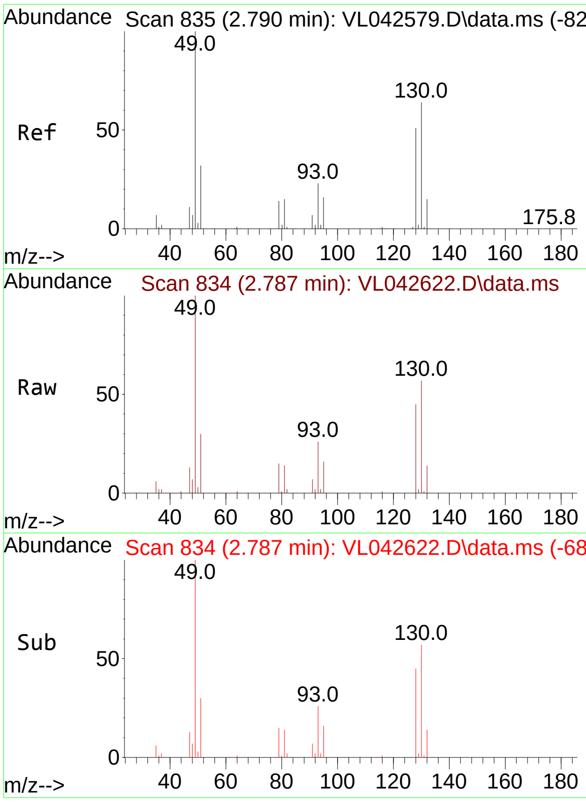
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042622.D
Acq On : 16 Jun 2025 08:54
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jun 17 03:02:28 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



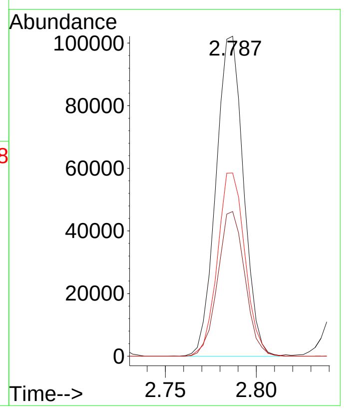


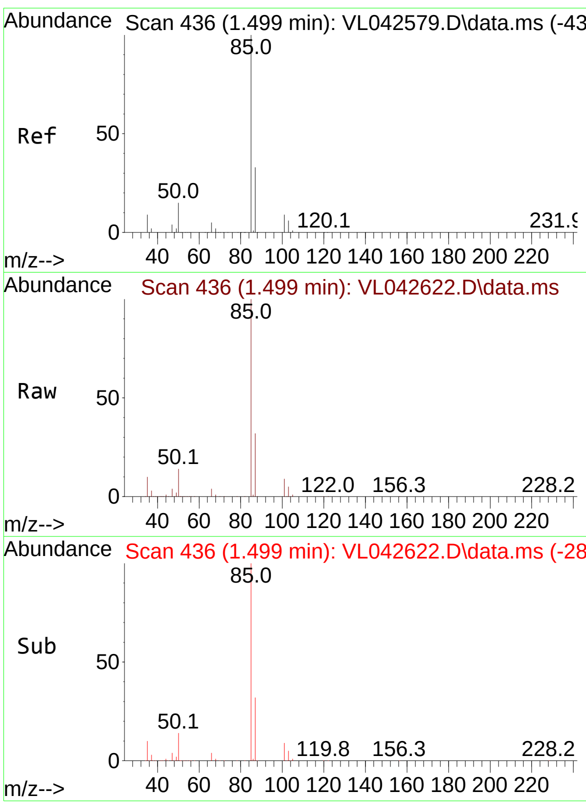
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 107738

Ion	Ratio	Lower	Upper
49	100		
128	44.5	24.2	72.6
130	57.1	30.4	91.2

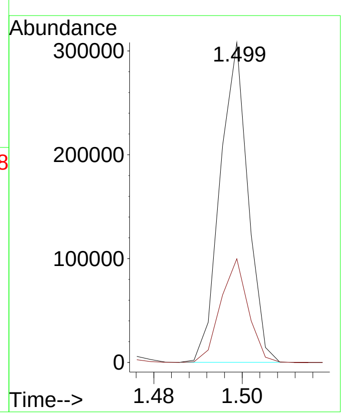


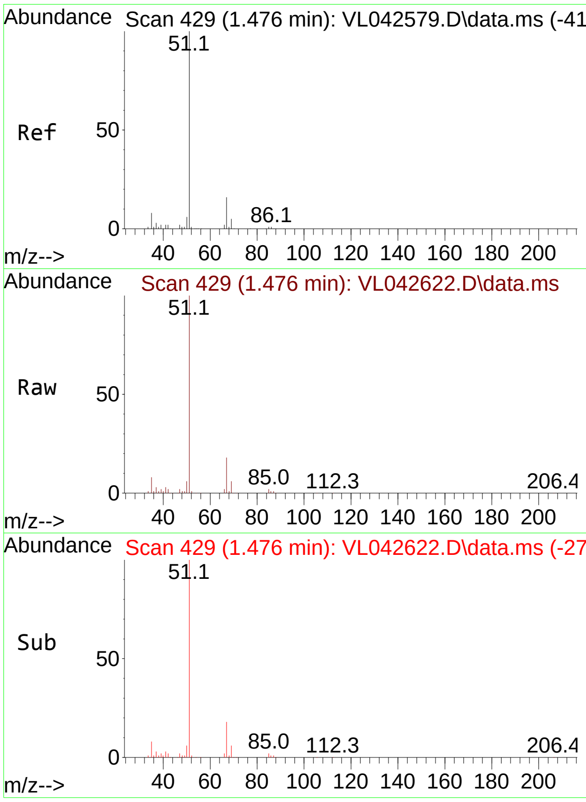


#2
Dichlorodifluoromethane
Concen: 10.186 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 85 Resp: 134876

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.6	39.8



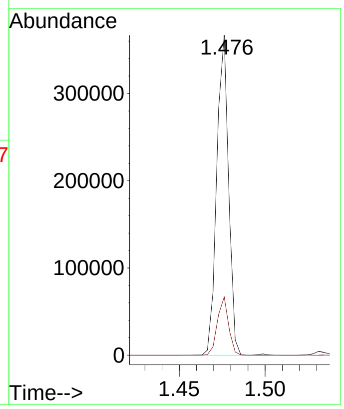


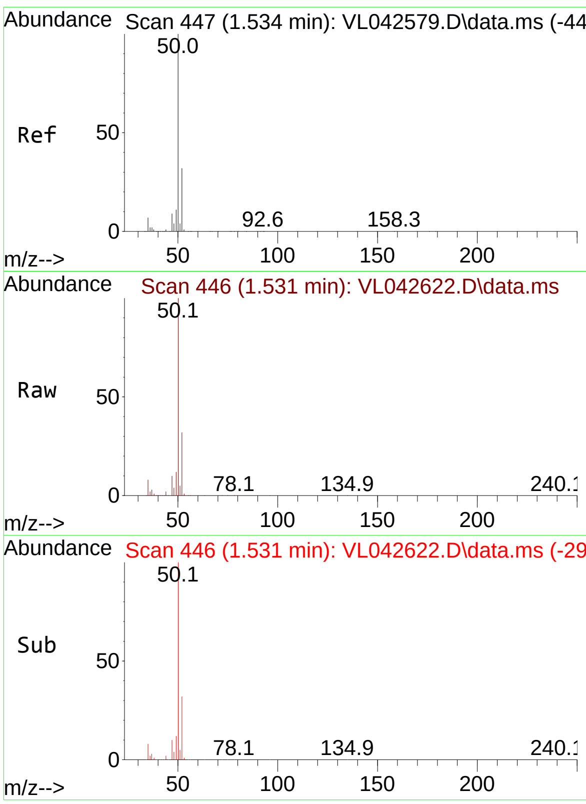
#3
Chlorodifluoromethane
Concen: 9.622 ppbv
RT: 1.476 min Scan# 42
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 175470

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.4	20.2

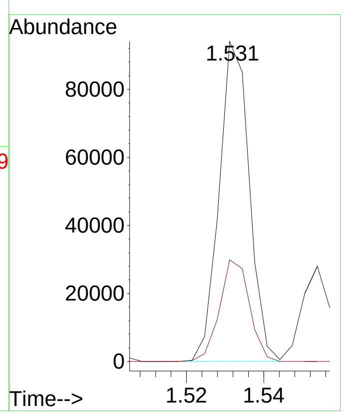


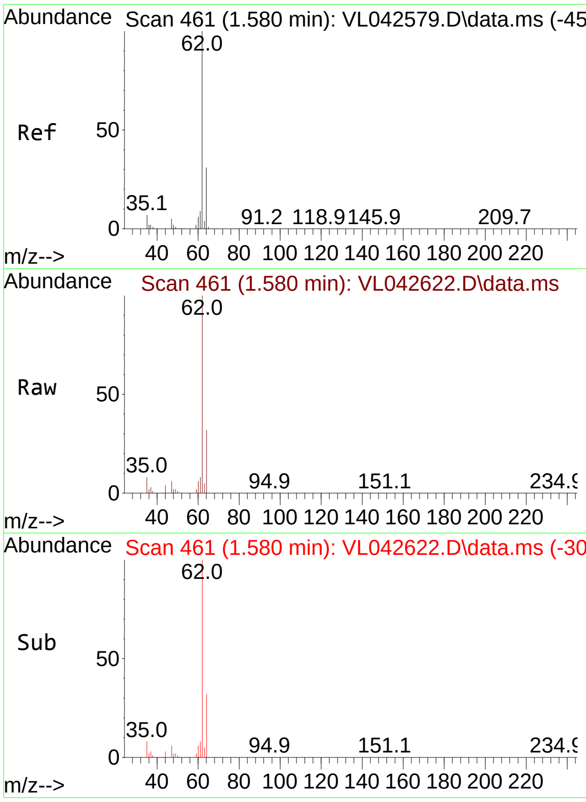


#4
Chloromethane
Concen: 9.725 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 50 Resp: 50995

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.8	38.6



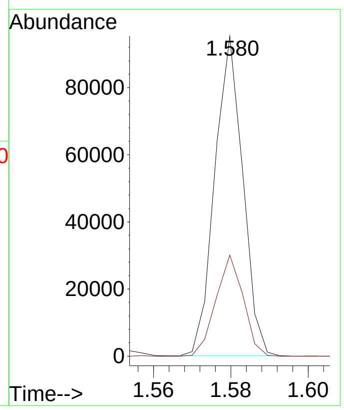


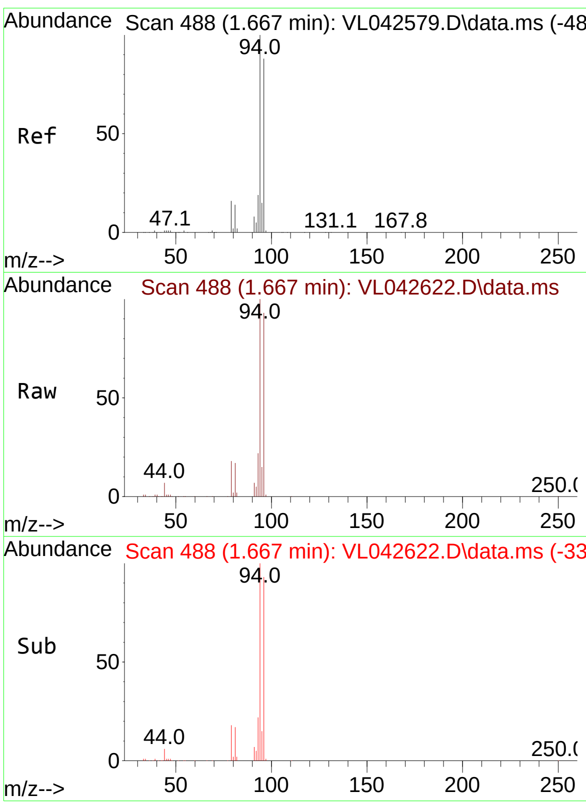
#5
Vinyl Chloride
Concen: 8.978 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 47957

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.9	37.3

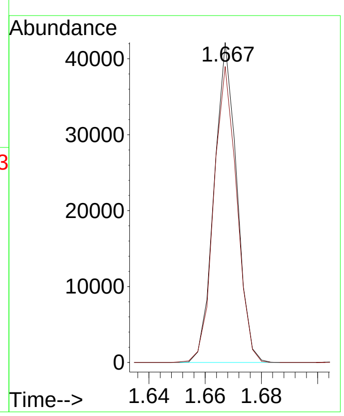


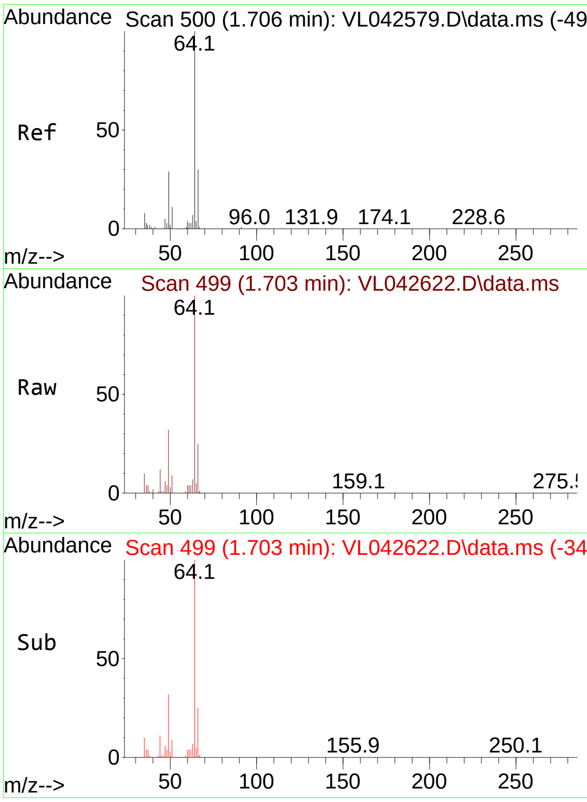


#6
Bromomethane
Concen: 9.044 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 94 Resp: 23512

Ion	Ratio	Lower	Upper
94	100		
96	92.5	70.7	106.1

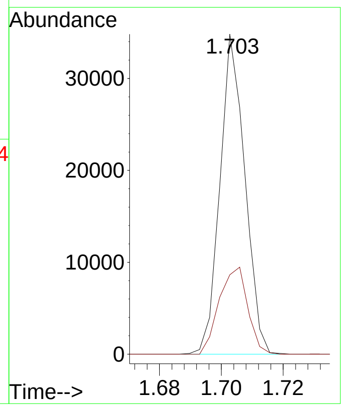


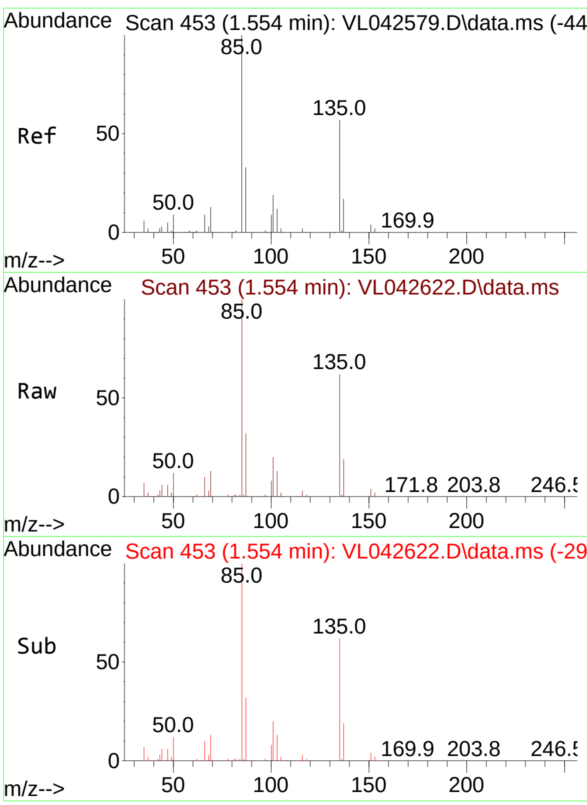


#7
Chloroethane
Concen: 9.396 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

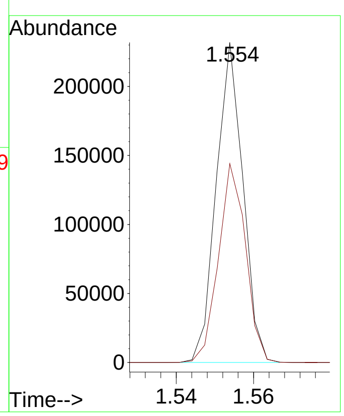
Tgt Ion: 64	Resp:	19501	
Ion	Ratio	Lower	Upper
64	100		
66	24.8	24.3	36.5

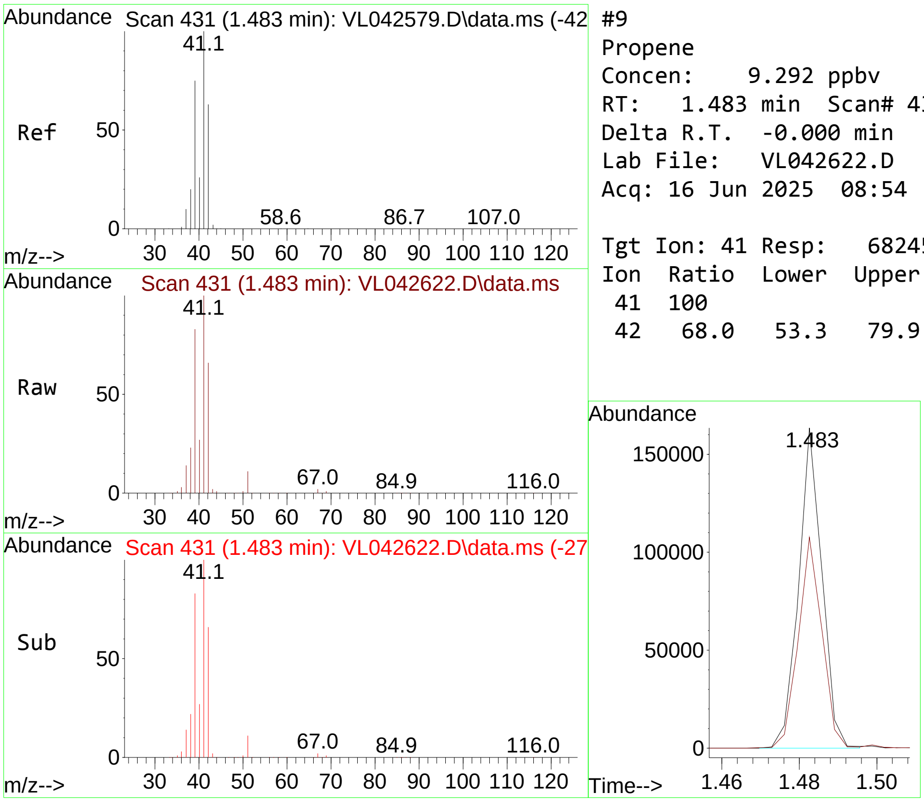




#8
Dichlorotetrafluoroethane
Concen: 10.055 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 85	Resp:	110938	
Ion	Ratio	Lower	Upper
85	100		
135	63.5	50.2	75.4



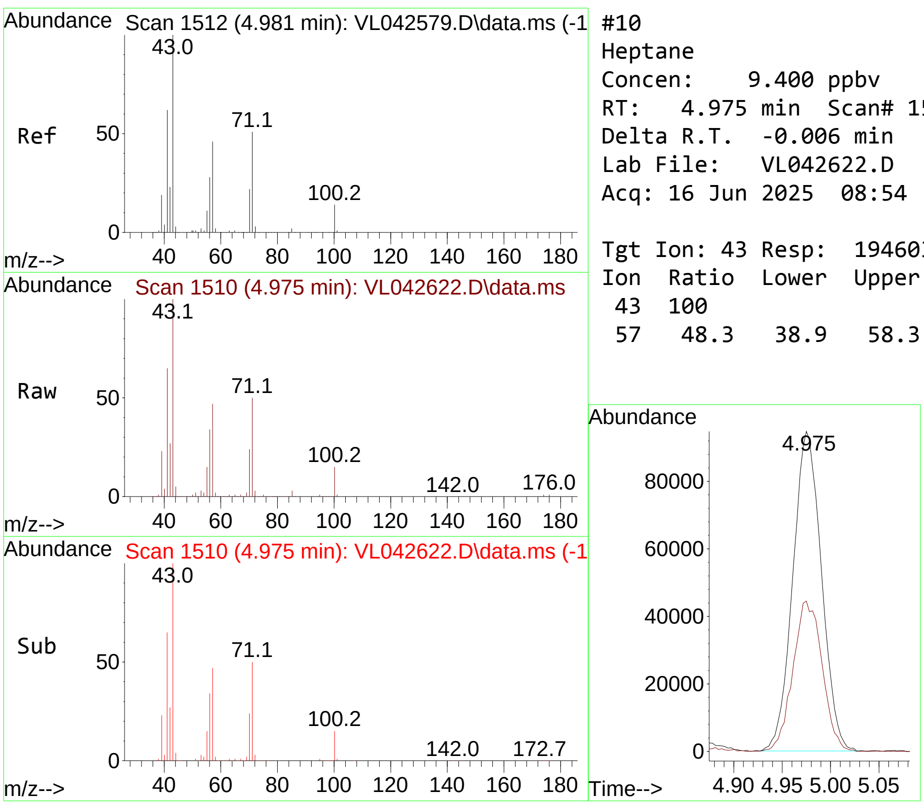


#9
Propene
Concen: 9.292 ppbv
RT: 1.483 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 68245

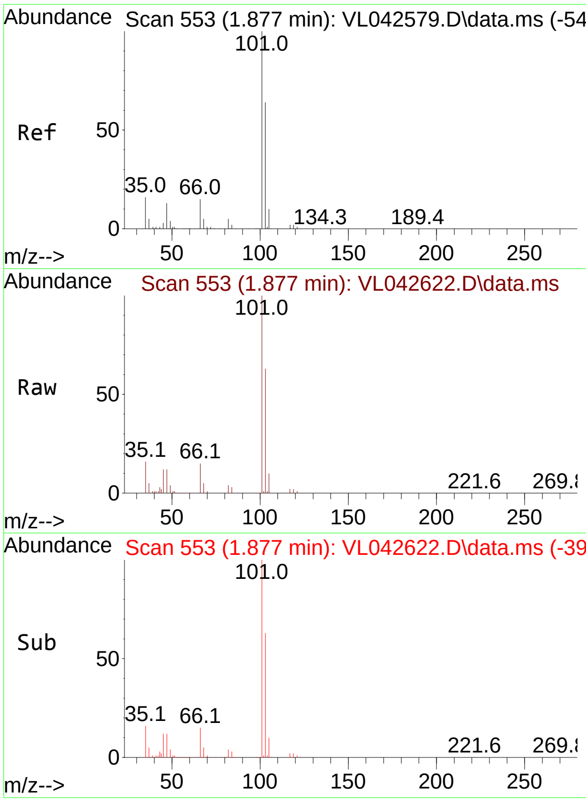
Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.3	79.9



#10
Heptane
Concen: 9.400 ppbv
RT: 4.975 min   Scan# 1510
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 43 Resp: 194603

Ion	Ratio	Lower	Upper
43	100		
57	48.3	38.9	58.3



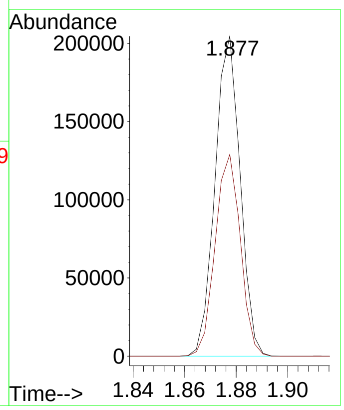
#11
Trichlorofluoromethane
Concen: 11.254 ppbv
RT: 1.877 min   Scan# 5

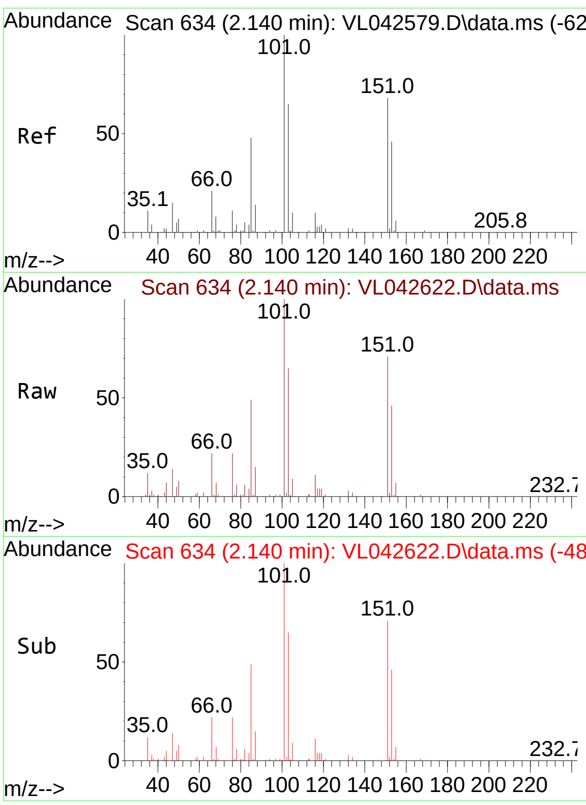
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:101 Resp: 138650

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.5	77.3

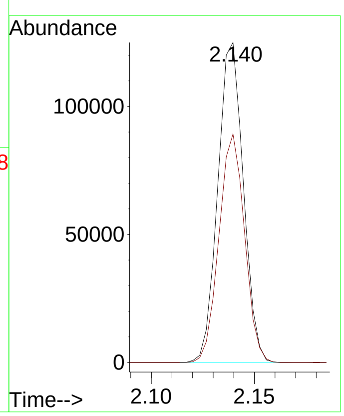


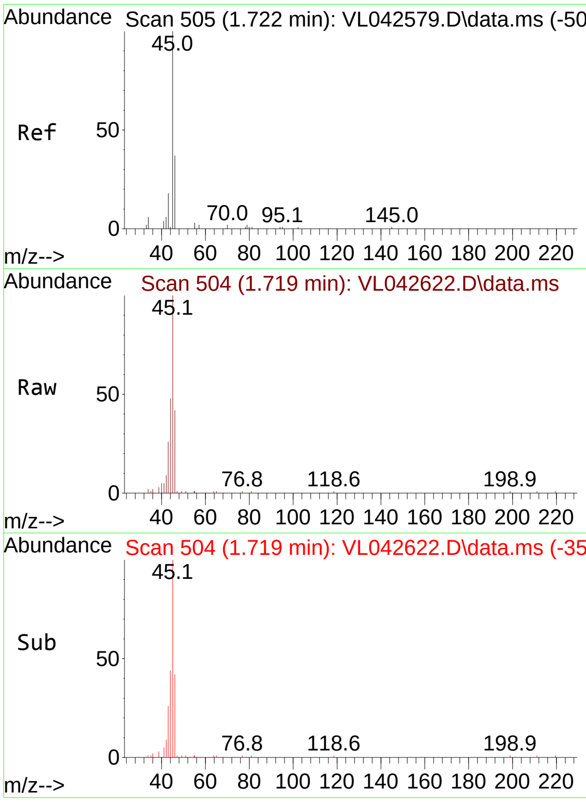


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.117 ppbv
RT: 2.140 min   Scan# 634
Delta R.T.   -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion:101 Resp: 107550

Ion	Ratio	Lower	Upper
101	100		
151	71.6	55.3	82.9



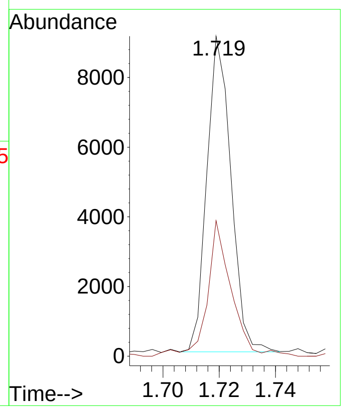


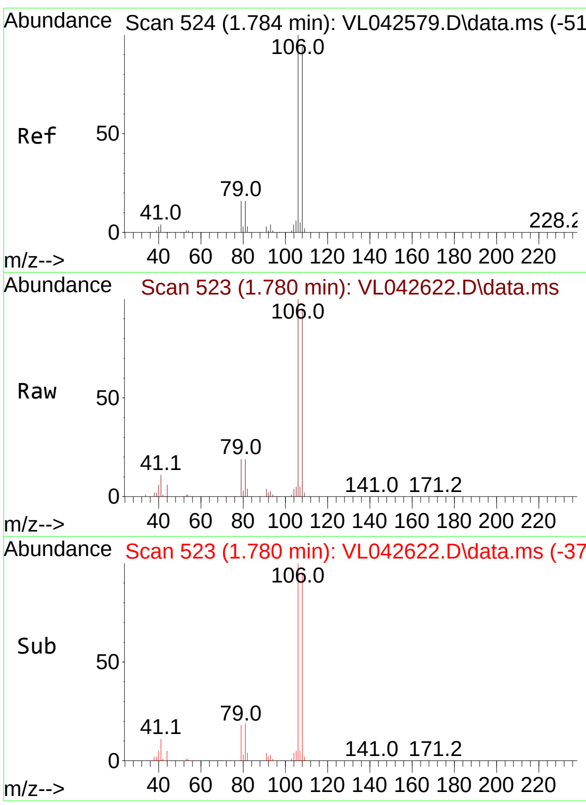
#13
Ethanol
Concen: 6.185 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 5413

Ion	Ratio	Lower	Upper
45	100		
46	43.0	14.5	58.1

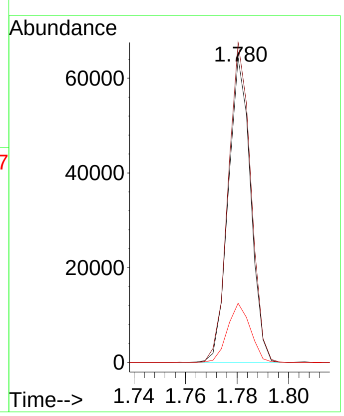


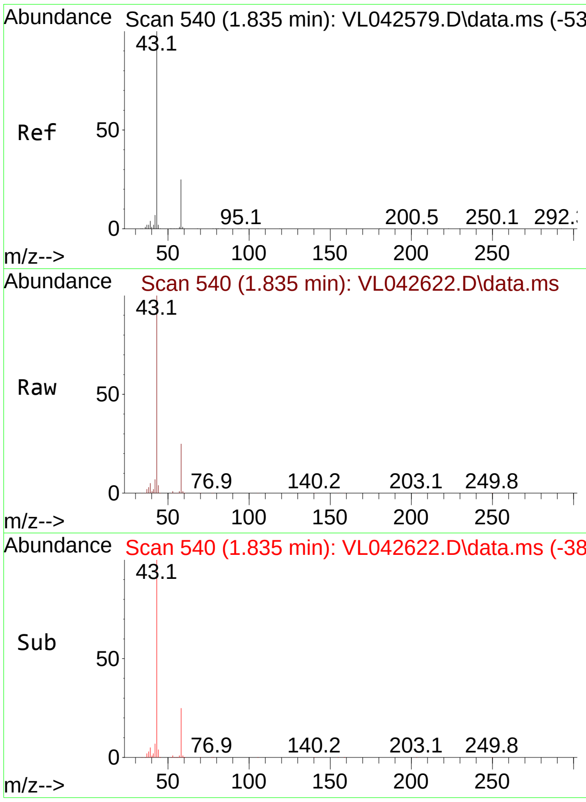


#14
Bromoethene
Concen: 10.620 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:108 Resp: 38645

Ion	Ratio	Lower	Upper
108	100		
106	106.1	87.9	131.9
79	19.9	15.6	23.4



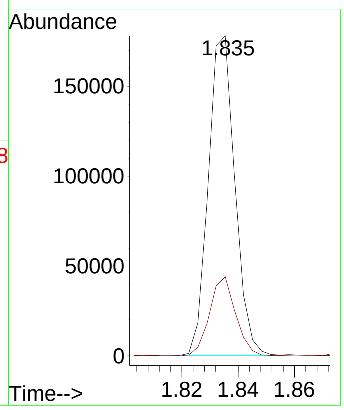


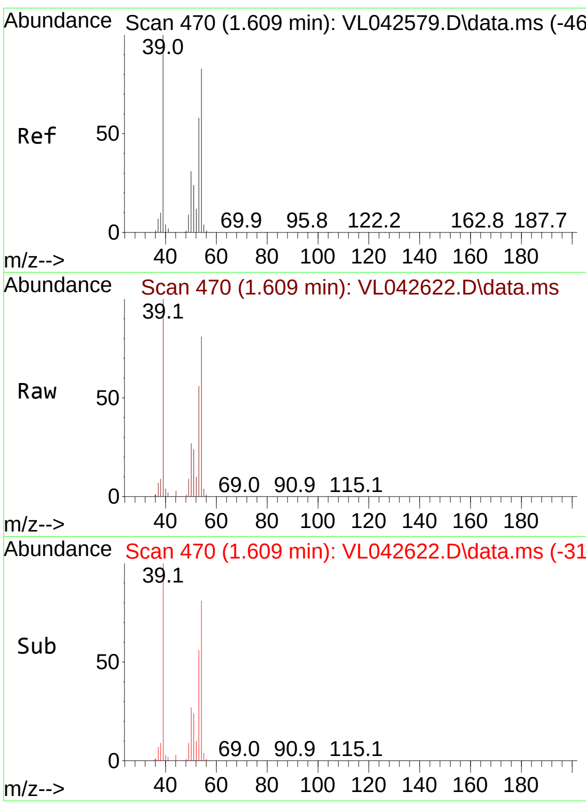
#15
Acetone
Concen: 8.979 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 116520

Ion	Ratio	Lower	Upper
43	100		
58	24.5	21.0	31.4

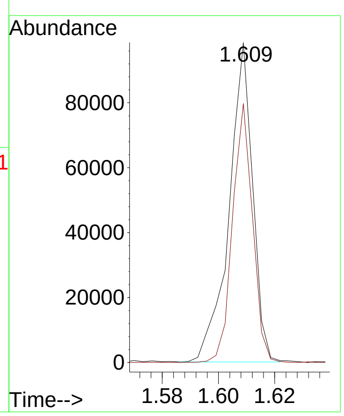


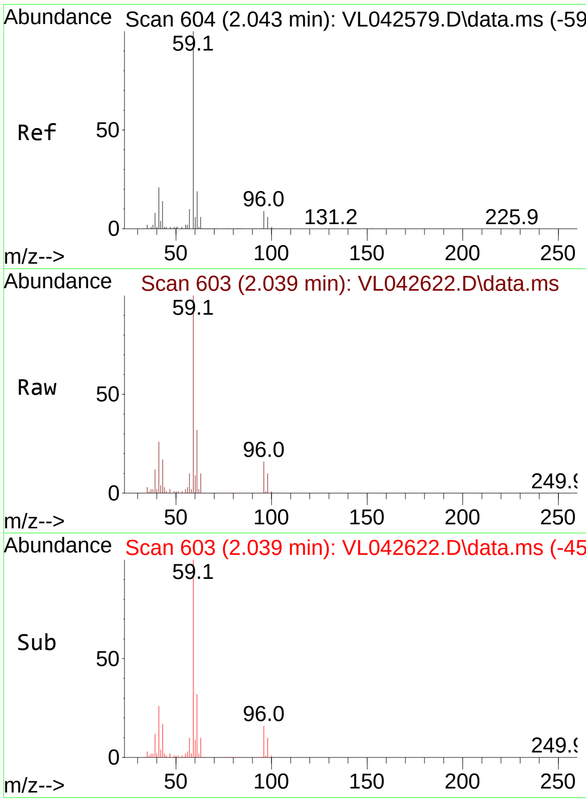


#16
1,3-Butadiene
Concen: 9.313 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 39 Resp: 57252

Ion	Ratio	Lower	Upper
39	100		
54	69.0	57.9	86.9



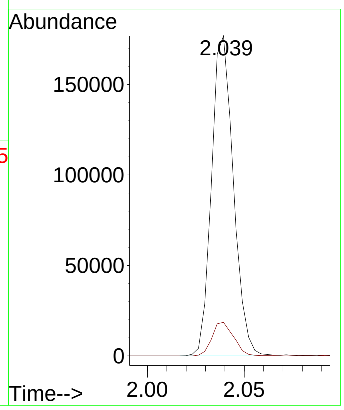


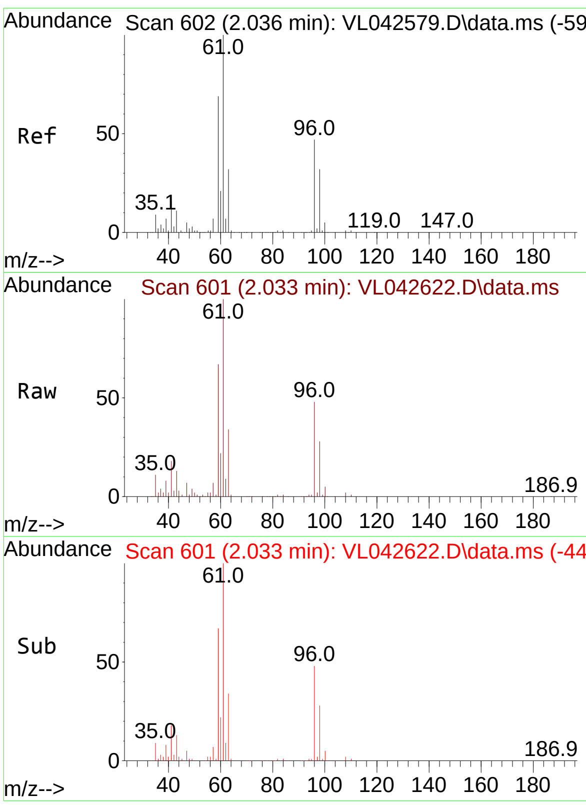
#17
tert-Butyl alcohol
Concen: 10.286 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 139063

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

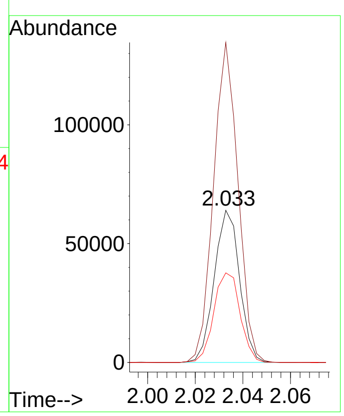


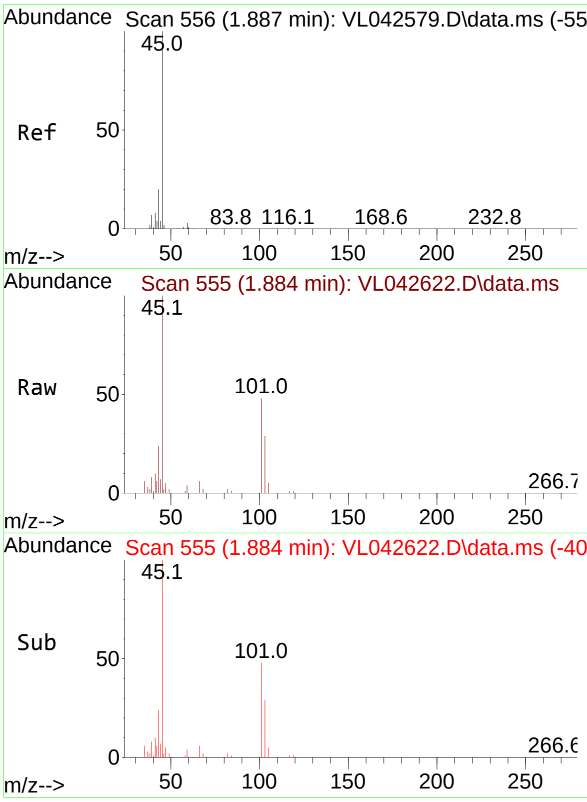


#18
1,1-Dichloroethene
Concen: 10.568 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 96 Resp: 47387

Ion	Ratio	Lower	Upper
96	100		
61	210.4	171.1	256.7
98	59.0	54.4	81.6



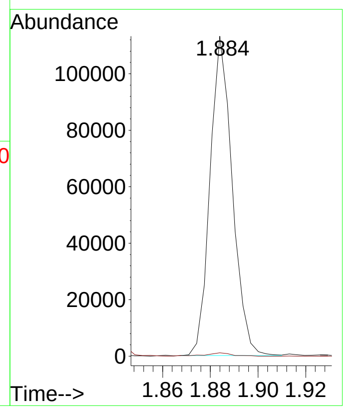


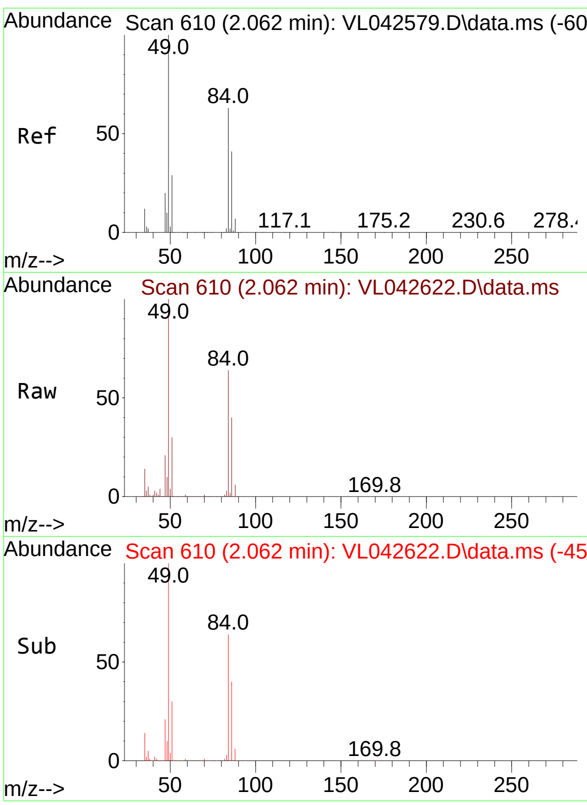
#19
Isopropyl Alcohol
Concen: 9.475 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 73508

Ion	Ratio	Lower	Upper
45	100		
58	38.9	29.4	44.2

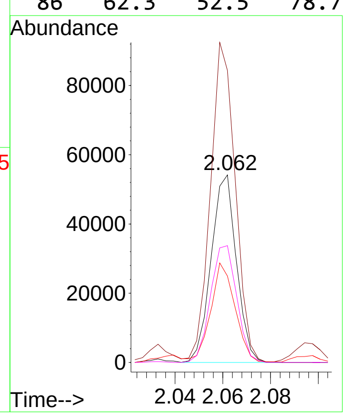


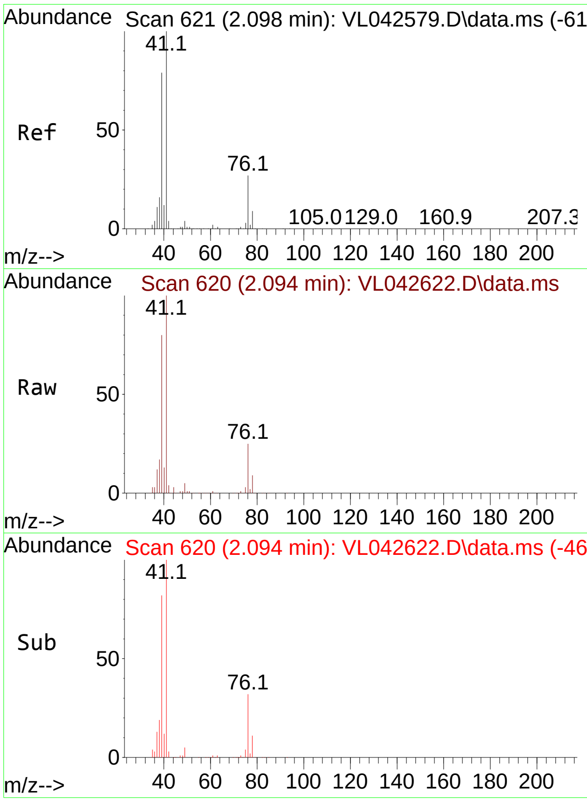


#20
Methylene Chloride
Concen: 9.326 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 84 Resp: 39938

Ion	Ratio	Lower	Upper
84	100		
49	154.3	128.8	193.2
51	45.8	38.6	57.8
86	62.3	52.5	78.7



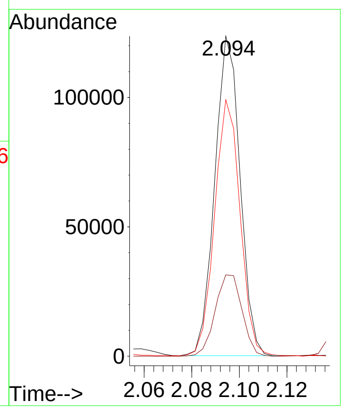


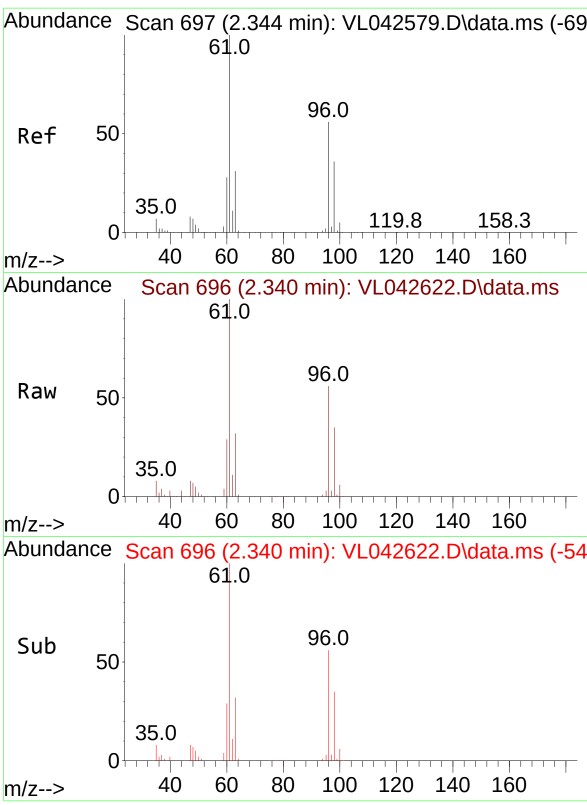
#21
Allyl Chloride
Concen: 9.964 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 91238

Ion	Ratio	Lower	Upper
41	100		
76	27.0	21.2	31.8
39	80.7	60.9	91.3

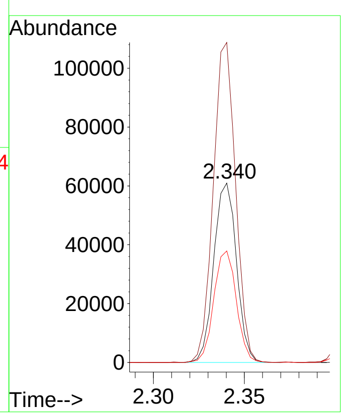


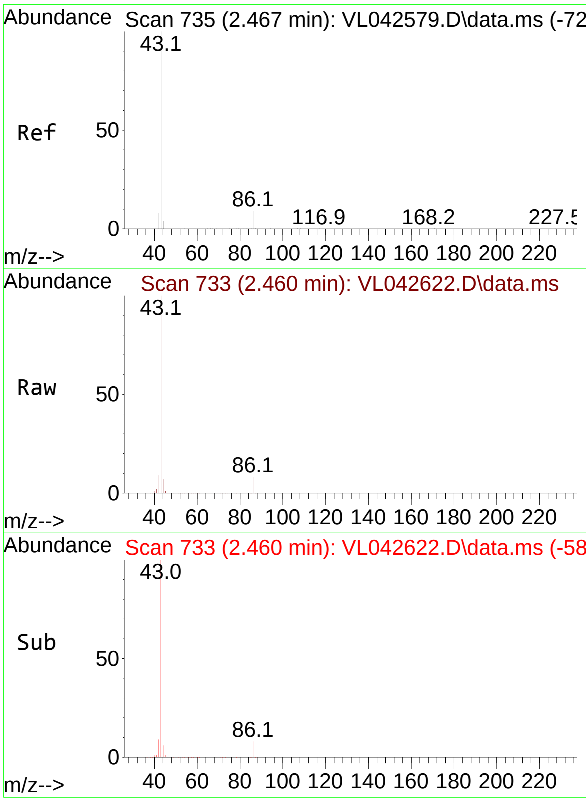


#22
trans-1,2-Dichloroethene
Concen: 10.554 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 96 Resp: 52863

Ion	Ratio	Lower	Upper
96	100		
61	178.4	142.6	214.0
98	62.2	51.0	76.4



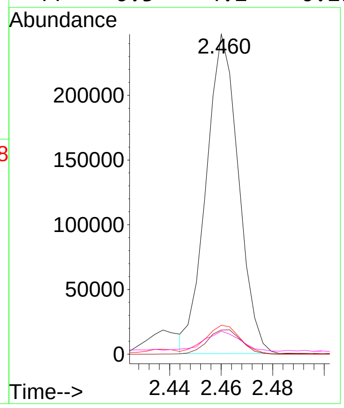


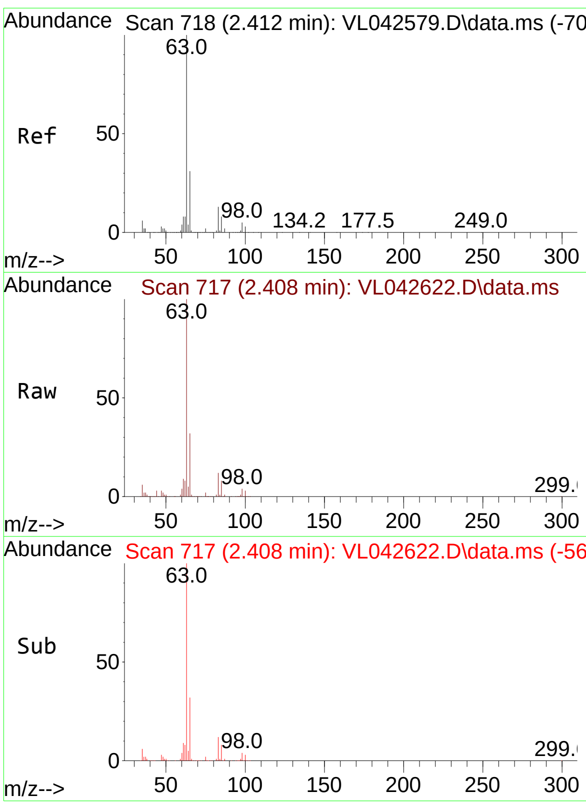
#23
Vinyl Acetate
Concen: 12.267 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 215190

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	9.0	7.0	10.4
44	6.3	4.2	6.2#

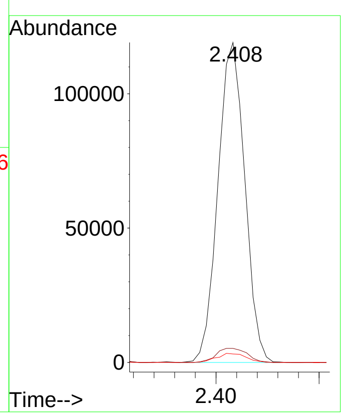


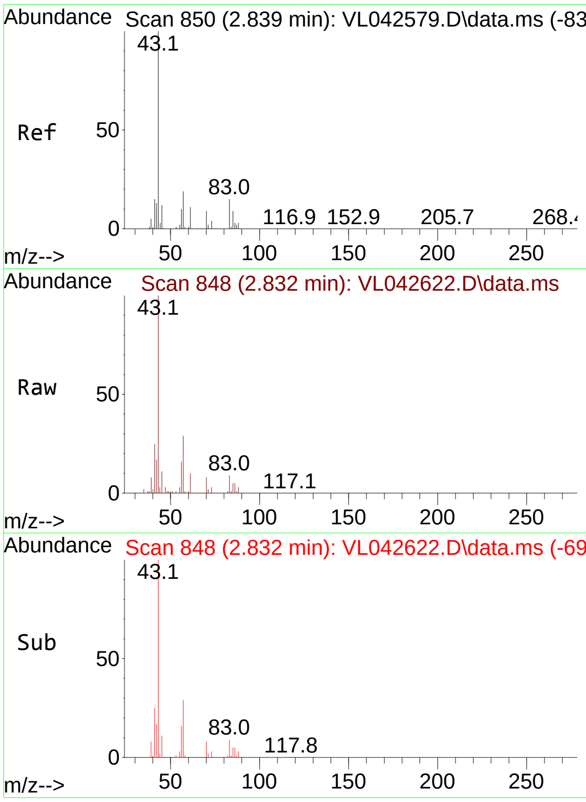


#24
1,1-Dichloroethane
Concen: 10.460 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 63 Resp: 107798

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.7	1.4	4.0



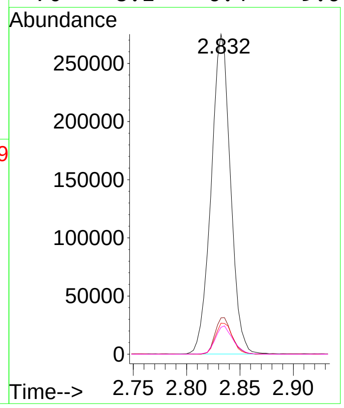


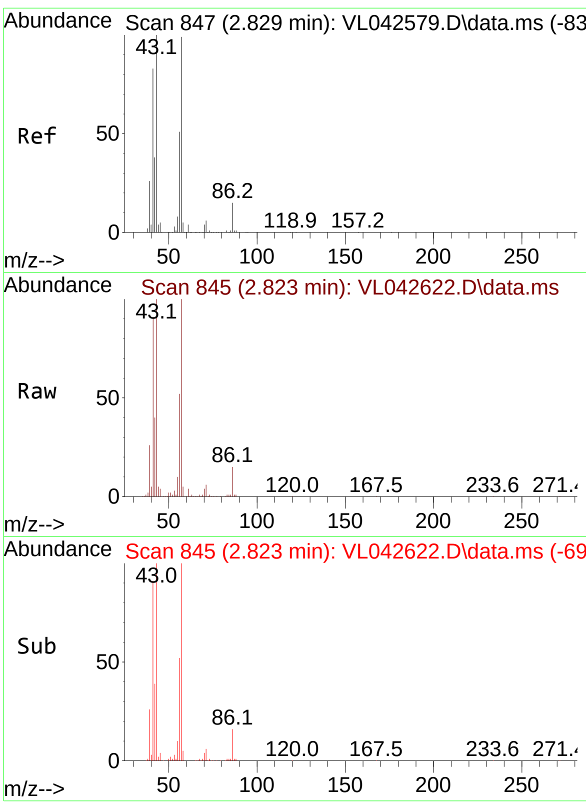
#25
Ethyl Acetate
Concen: 9.773 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 347073

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.7	7.1	10.7
70	8.1	6.4	9.6

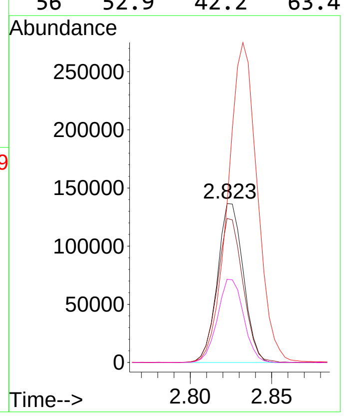


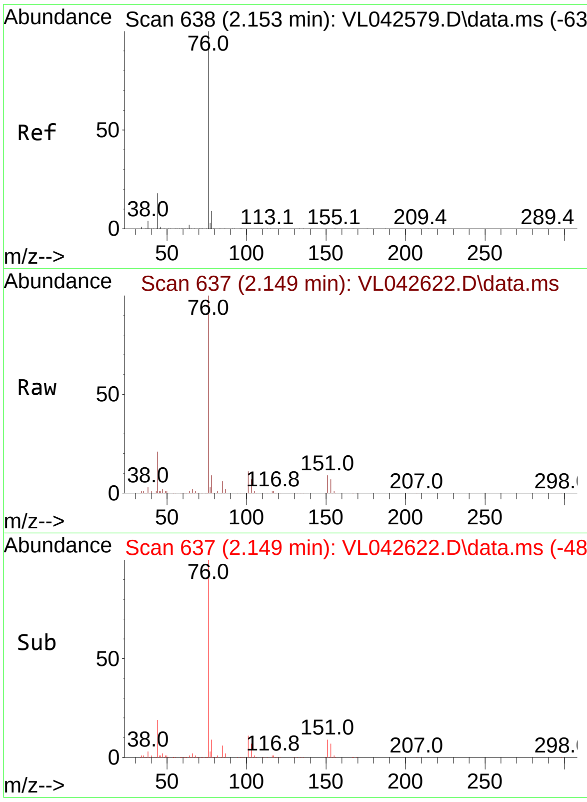


#26
Hexane
Concen: 9.337 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 57 Resp: 150675

Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.6	106.0
43	231.5	181.1	271.7
56	52.9	42.2	63.4





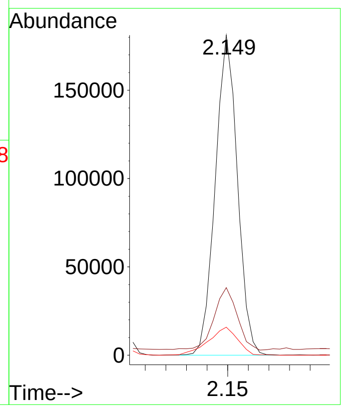
#27
Carbon Disulfide
Concen: 10.923 ppbv
RT: 2.149 min Scan# 6

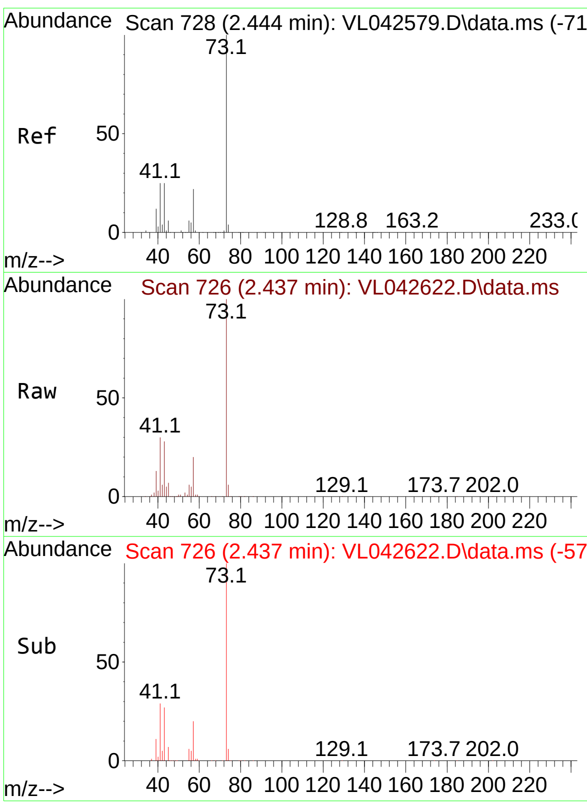
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 76 Resp: 135326

Ion	Ratio	Lower	Upper
76	100		
44	20.1	21.3	31.9#
78	11.5	9.4	14.0

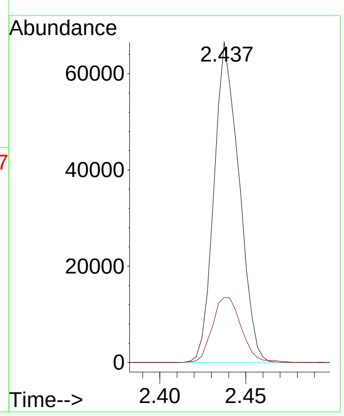


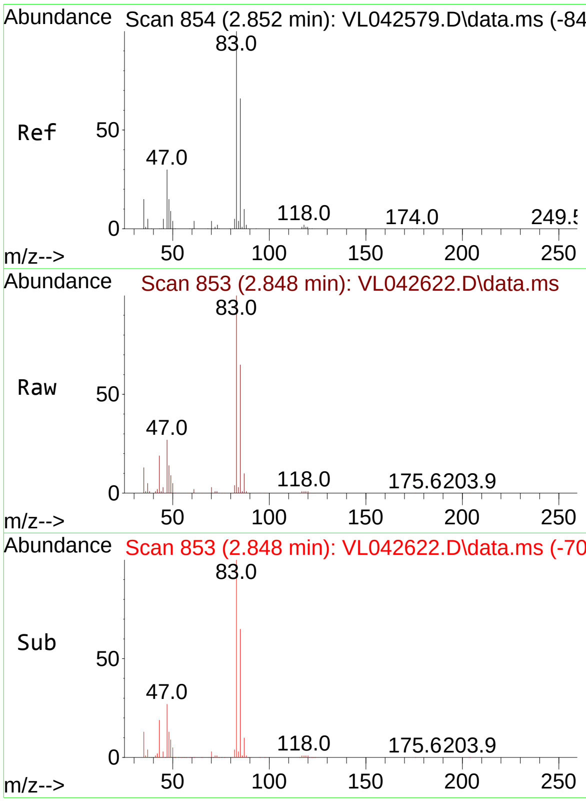


#28
Methyl tert-Butyl Ether
Concen: 10.311 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 73 Resp: 67524

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.9	29.9





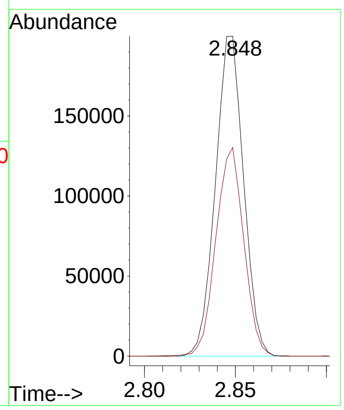
#29
Chloroform
Concen: 10.259 ppbv
RT: 2.848 min Scan# 8

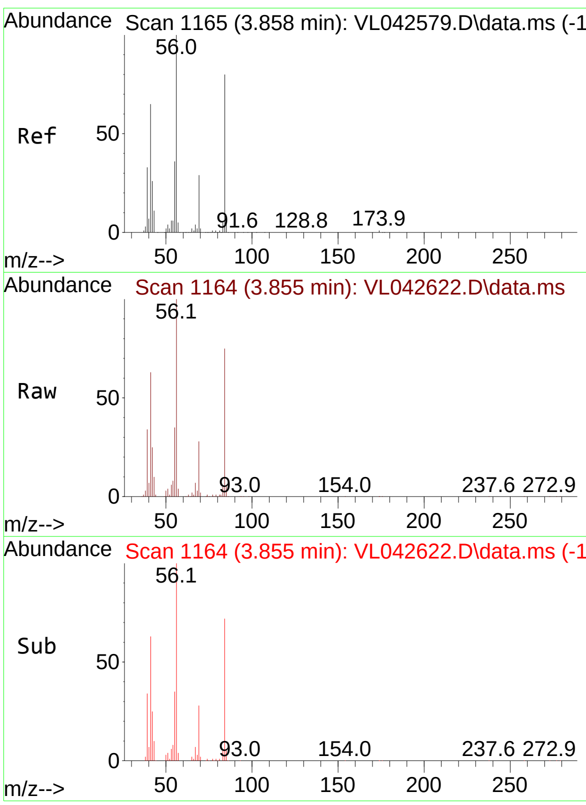
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 83 Resp: 215284

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2

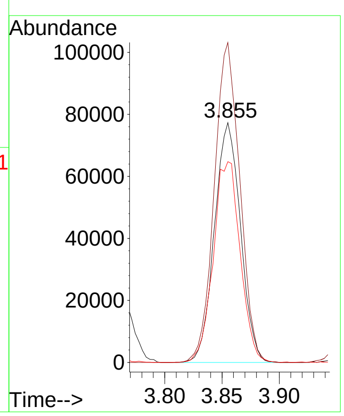


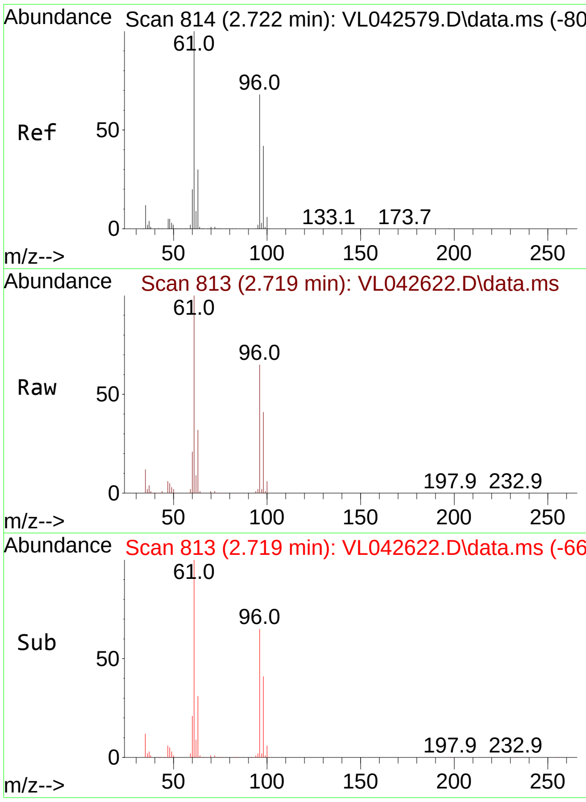


#30
Cyclohexane
Concen: 9.147 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 84 Resp: 122368

Ion	Ratio	Lower	Upper
84	100		
56	131.0	103.7	155.5
41	86.5	65.1	97.7



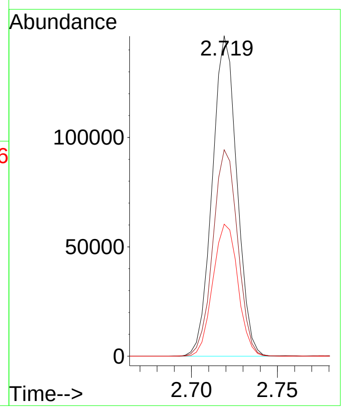


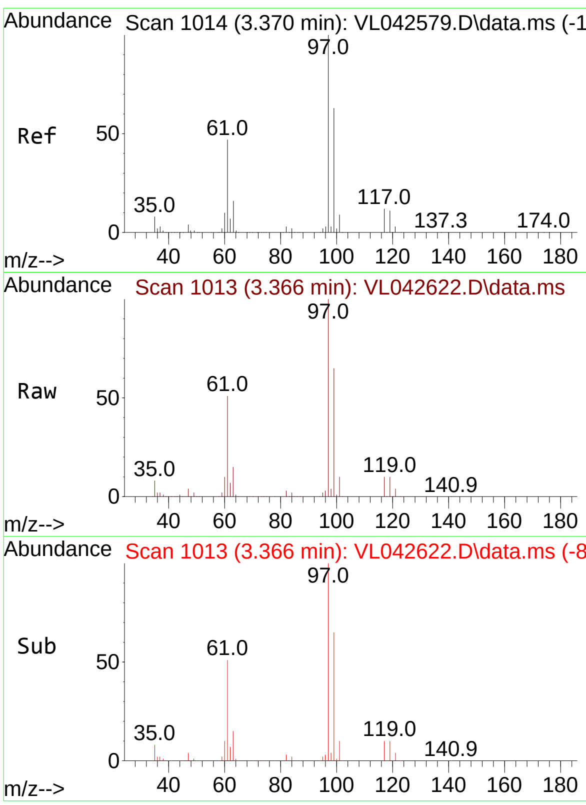
#31
cis-1,2-Dichloroethene
Concen: 9.909 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 146273

Ion	Ratio	Lower	Upper
61	100		
96	64.5	54.5	81.7
98	41.3	33.4	50.2

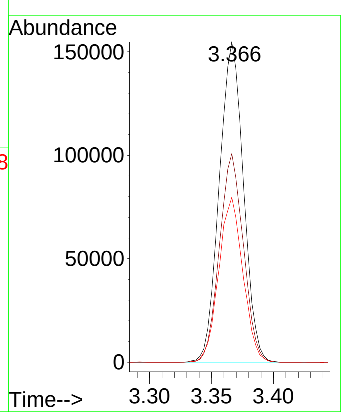


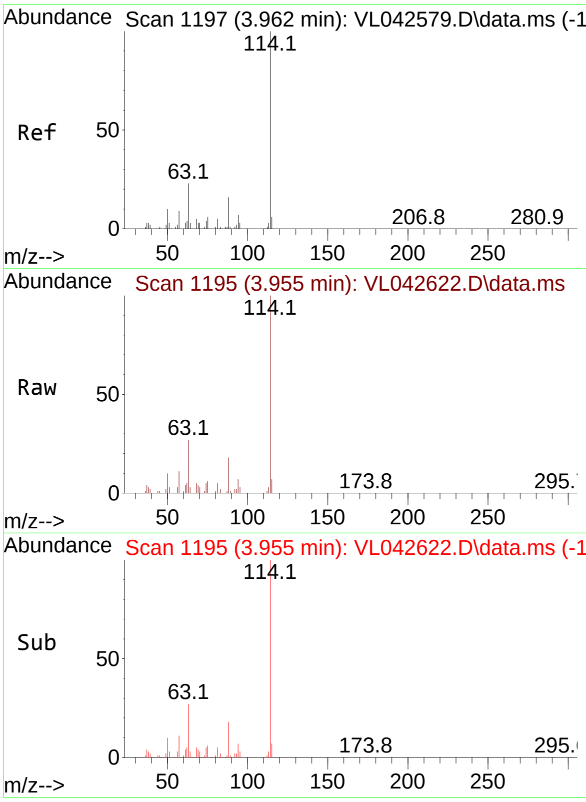


#32
1,1,1-Trichloroethane
Concen: 9.818 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 97 Resp: 210503

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	51.5	39.4	59.0



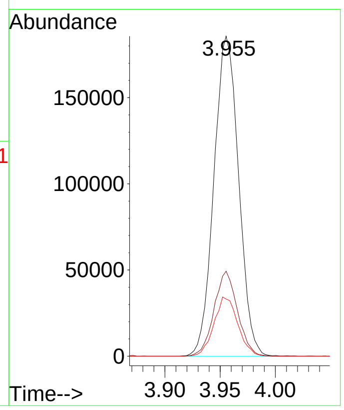


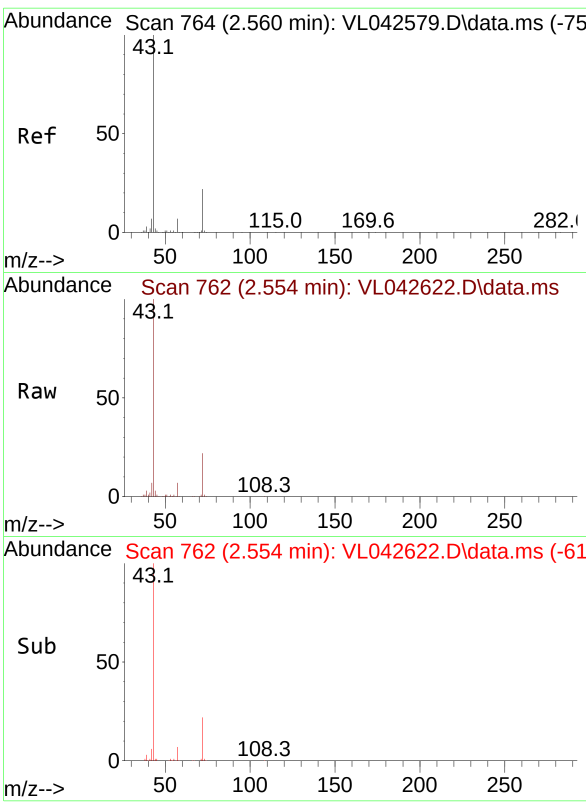
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 288897

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.0	28.6
88	17.9	13.6	20.4

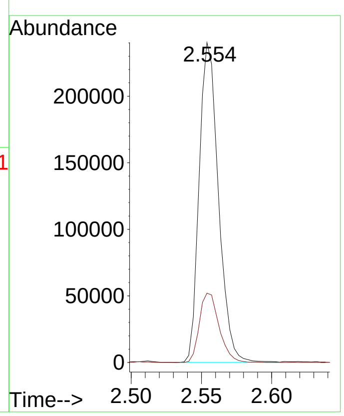


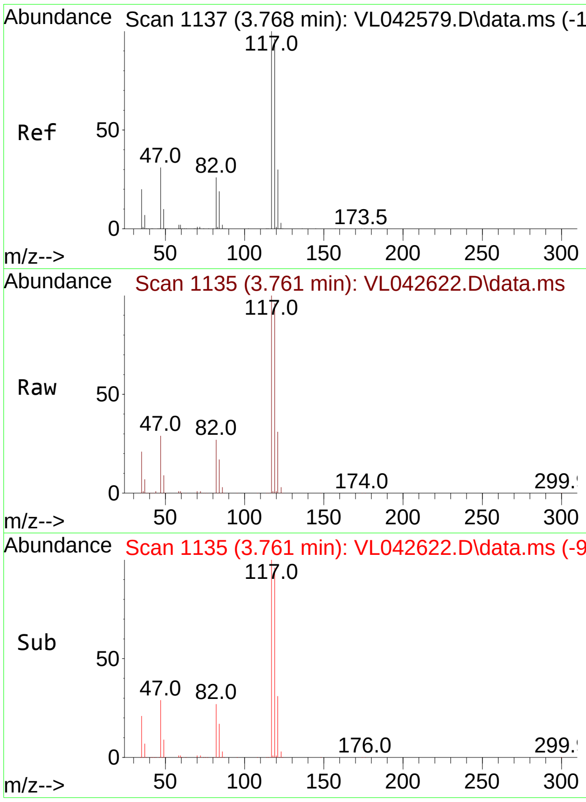


#34
2-Butanone
Concen: 11.106 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 43 Resp: 228811

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.7	26.5





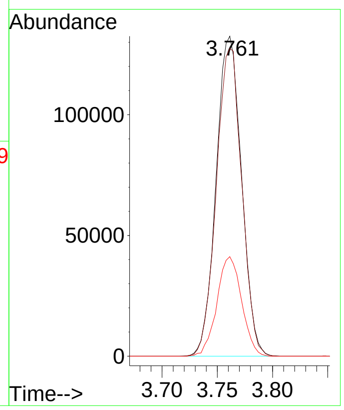
#35
Carbon Tetrachloride
Concen: 11.120 ppbv
RT: 3.761 min Scan# 1

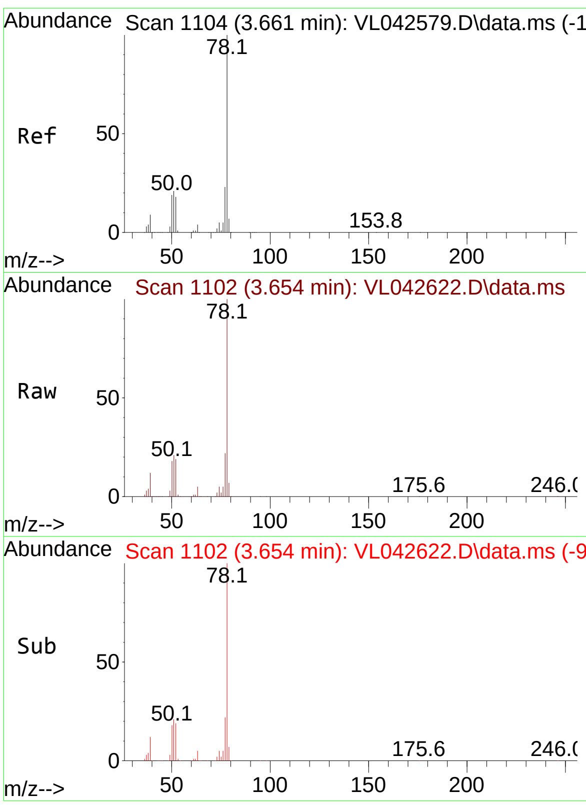
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:117 Resp: 212075

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2
121	31.1	24.3	36.5

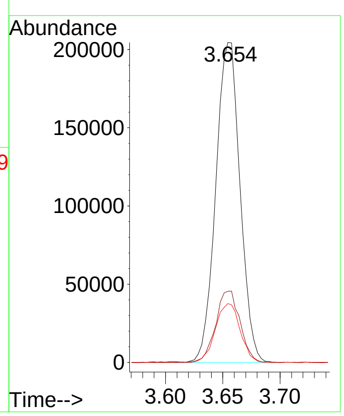


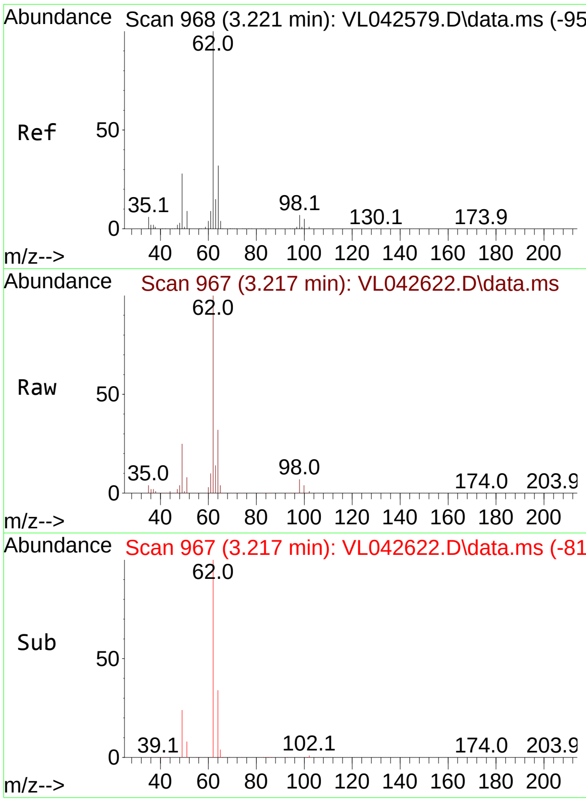


#36
Benzene
Concen: 10.602 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 78 Resp: 301626

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.2	27.2
50	18.4	15.2	22.8



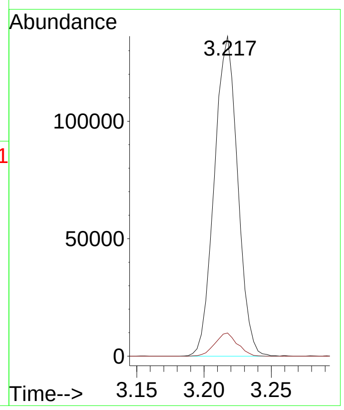


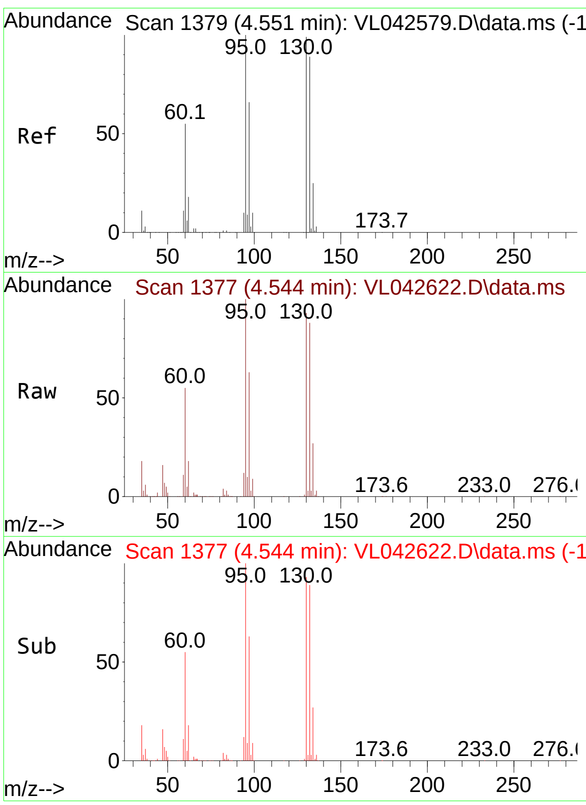
#37
1,2-Dichloroethane
Concen: 11.651 ppbv
RT: 3.217 min Scan# 9(
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 164738

Ion	Ratio	Lower	Upper
62	100		
98	7.0	6.1	9.1

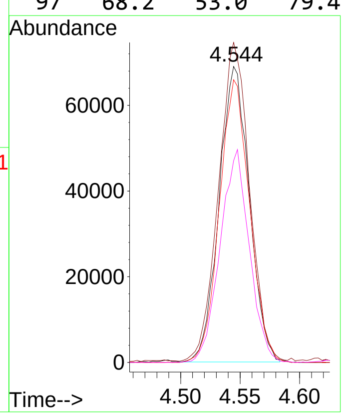


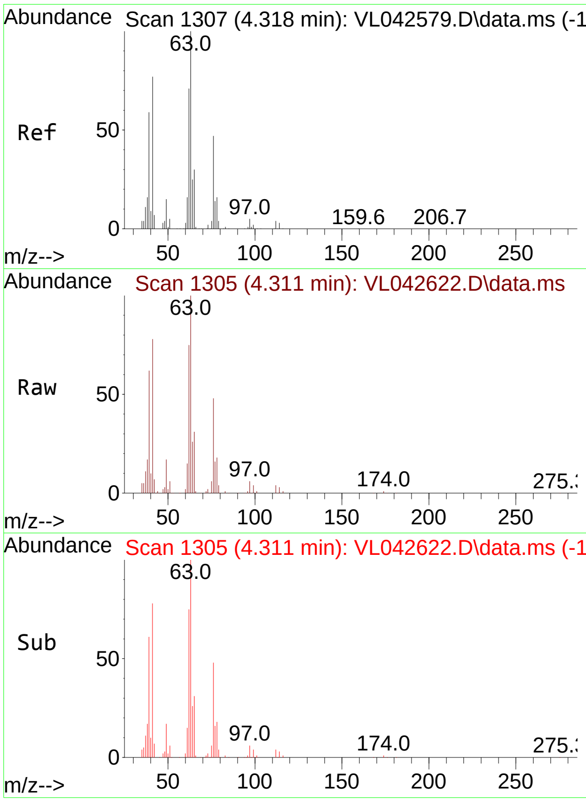


#38
Trichloroethene
Concen: 10.063 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:130 Resp: 121690

Ion	Ratio	Lower	Upper
130	100		
95	107.8	80.6	121.0
132	95.7	71.8	107.6
97	68.2	53.0	79.4



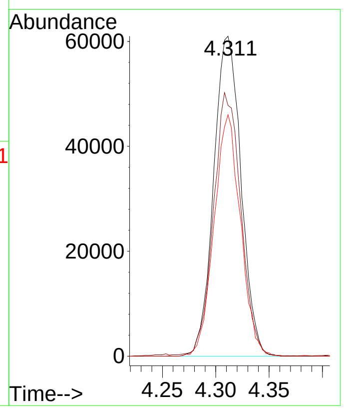


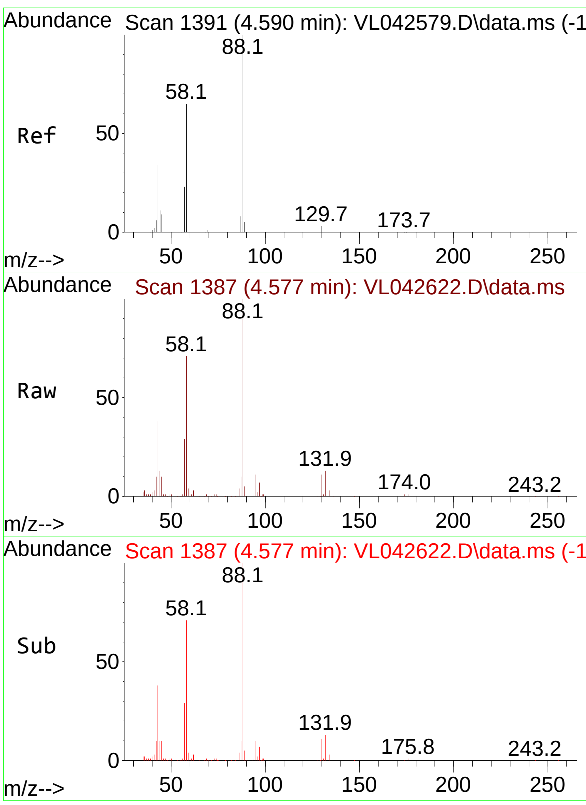
#39
1,2-Dichloropropane
Concen: 10.368 ppbv
RT: 4.311 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 109074

Ion	Ratio	Lower	Upper
63	100		
41	78.1	61.8	92.6
62	75.5	56.6	85.0

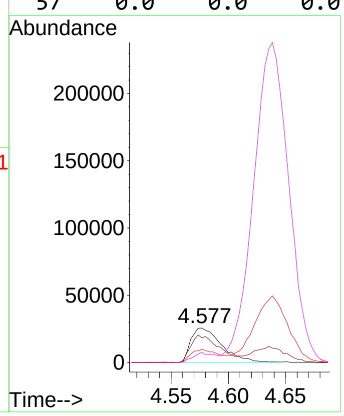


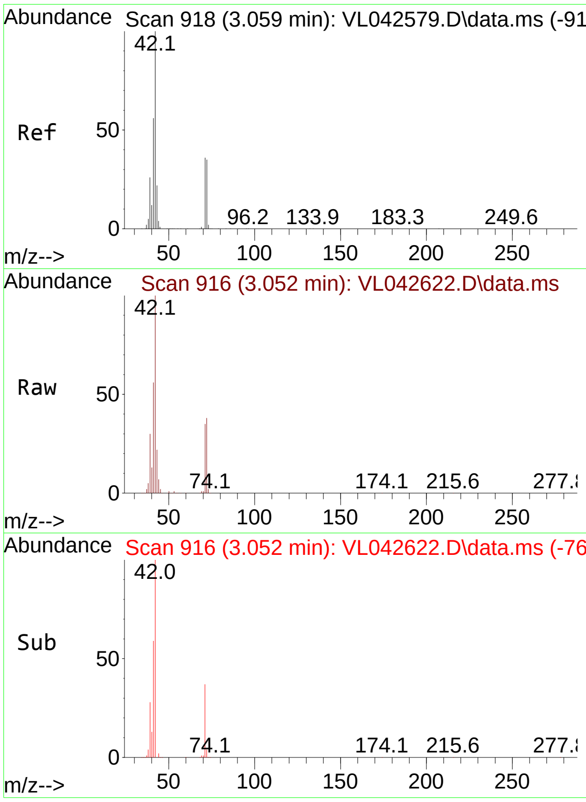


#40
1,4-Dioxane
Concen: 10.229 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 88 Resp: 48153

Ion	Ratio	Lower	Upper
88	100		
58	71.3	55.8	83.8
43	33.2	24.8	37.2
57	0.0	0.0	0.0





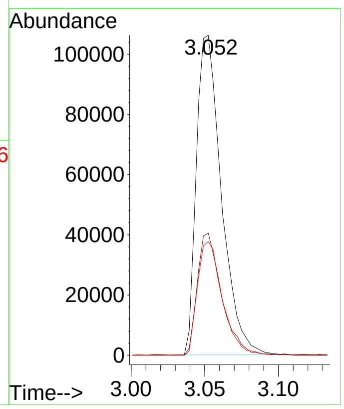
#41
Tetrahydrofuran
Concen: 10.430 ppbv
RT: 3.052 min Scan# 91

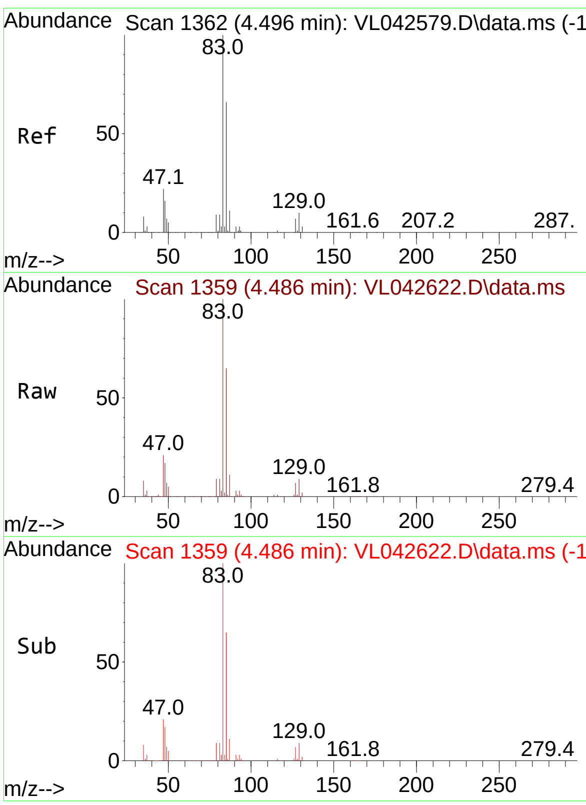
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 42 Resp: 125788

Ion	Ratio	Lower	Upper
42	100		
72	37.1	28.9	43.3
71	35.4	28.5	42.7

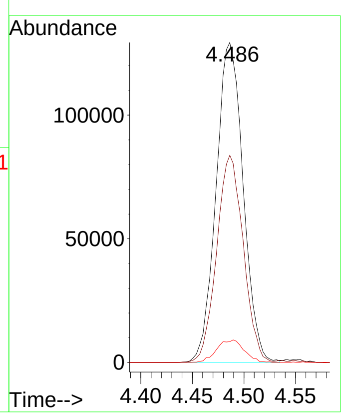


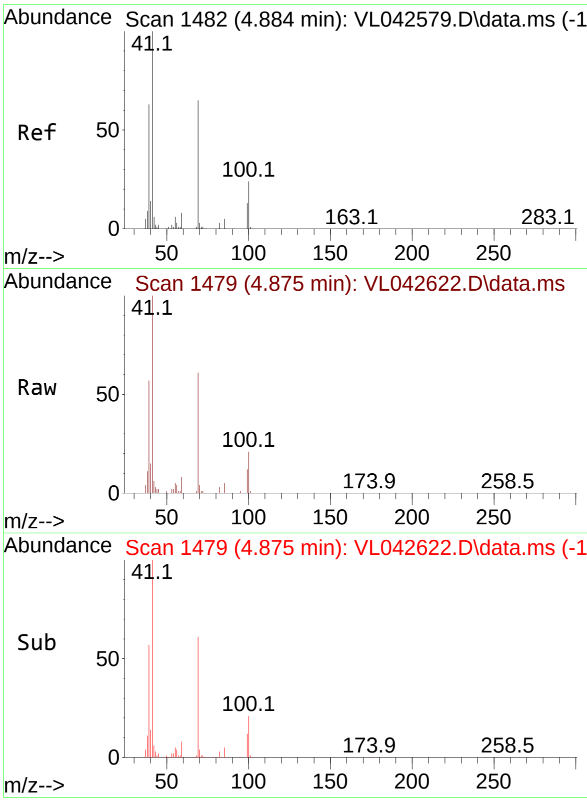


#42
Bromodichloromethane
Concen: 11.792 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 83 Resp: 236809

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.7	79.1
127	6.5	5.8	8.6



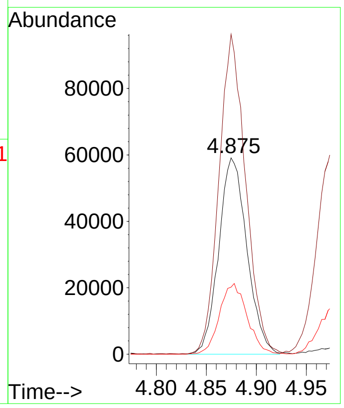


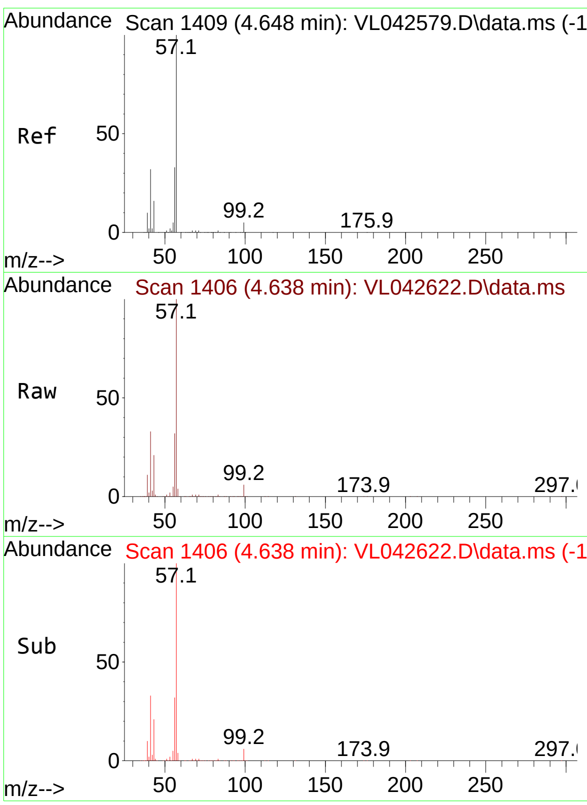
#43
Methyl Methacrylate
Concen: 10.504 ppbv
RT: 4.875 min   Scan# 14
Delta R.T.   -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 115983

Ion	Ratio	Lower	Upper
69	100		
41	154.3	124.6	187.0
100	35.3	29.9	44.9

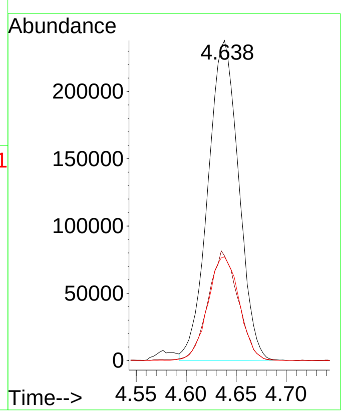


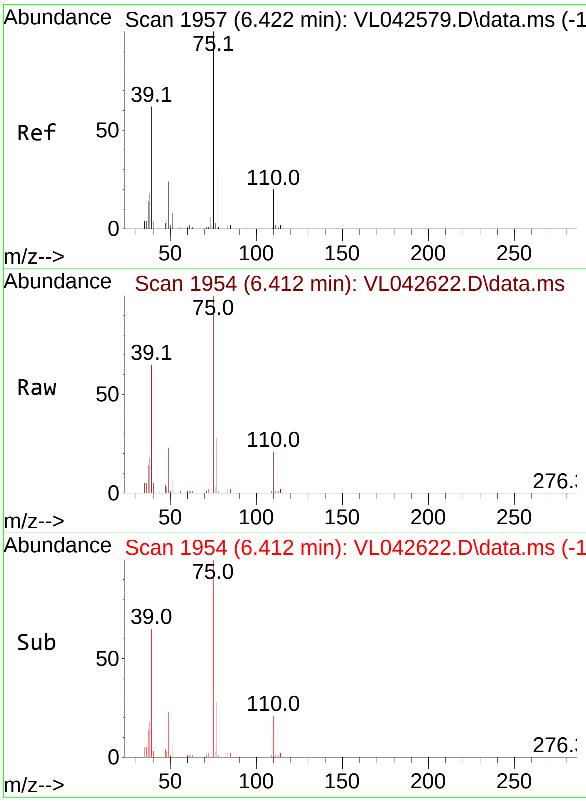


#44
2,2,4-Trimethylpentane
Concen: 10.455 ppbv
RT: 4.638 min   Scan# 1406
Delta R.T.   -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 57 Resp: 508749

Ion	Ratio	Lower	Upper
57	100		
41	33.7	26.1	39.1
56	33.1	25.9	38.9



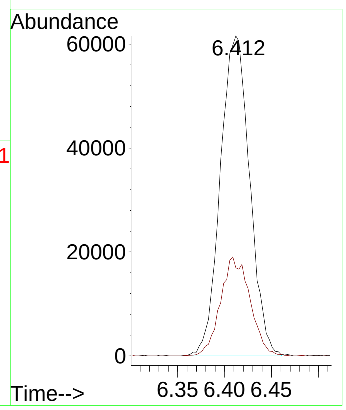


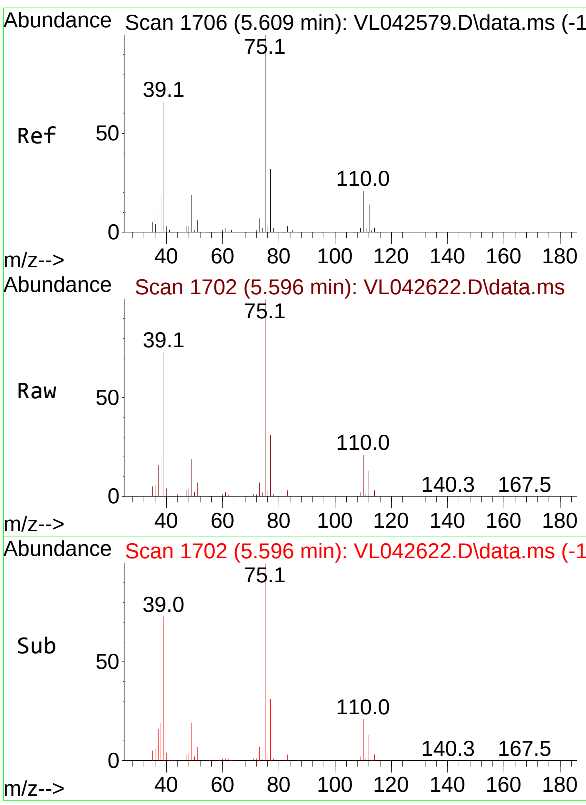
#45
t-1,3-Dichloropropene
Concen: 10.592 ppbv
RT: 6.412 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 133838

Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.2	36.2

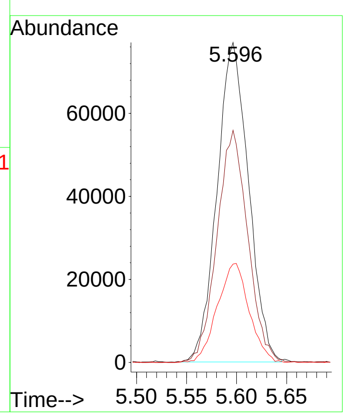


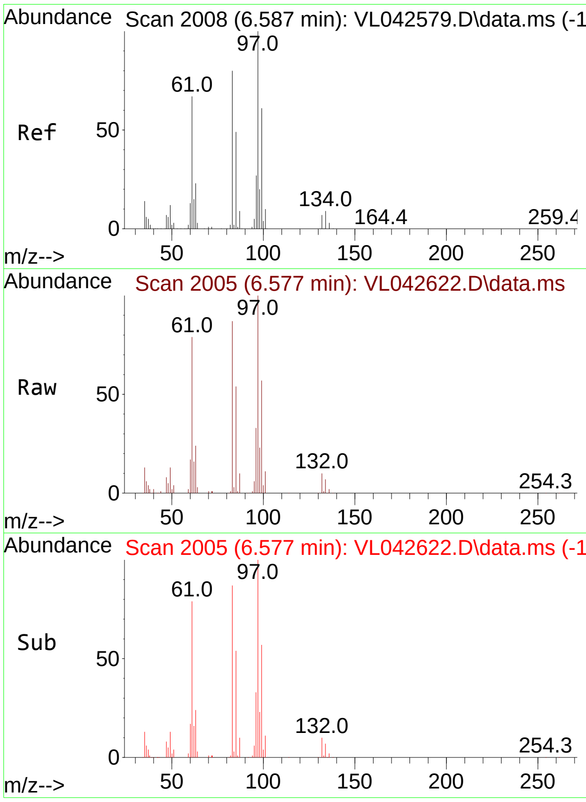


#46
cis-1,3-Dichloropropene
Concen: 10.657 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 75 Resp: 168729

Ion	Ratio	Lower	Upper
75	100		
39	72.4	52.7	79.1
77	30.6	25.8	38.8





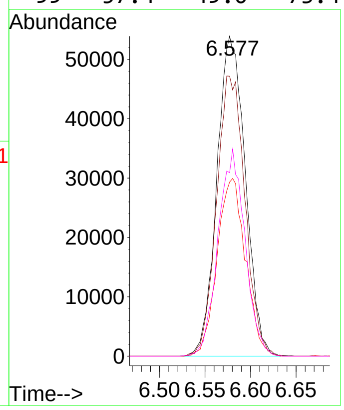
#47
1,1,2-Trichloroethane
Concen: 10.750 ppbv
RT: 6.577 min Scan# 20

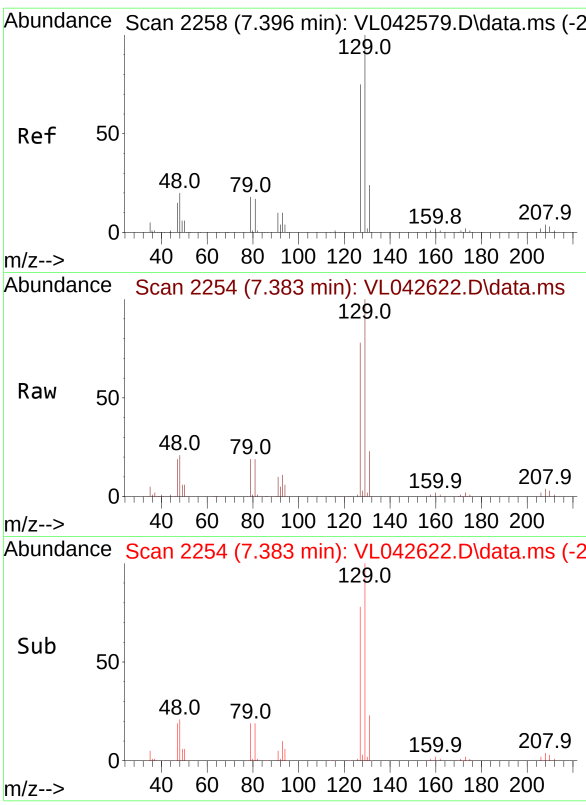
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 97 Resp: 117073

Ion	Ratio	Lower	Upper
97	100		
83	87.5	63.9	95.9
85	54.4	39.2	58.8
99	57.4	49.0	73.4

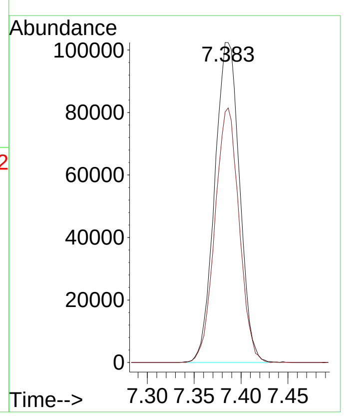


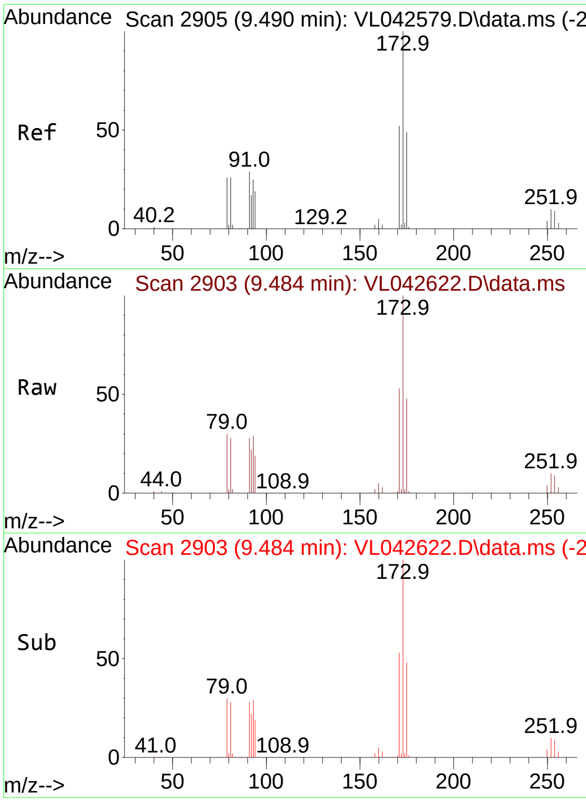


#48
Dibromochloromethane
Concen: 10.848 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:129 Resp: 189133

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.0	116.9



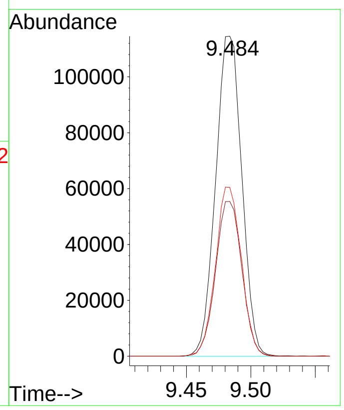


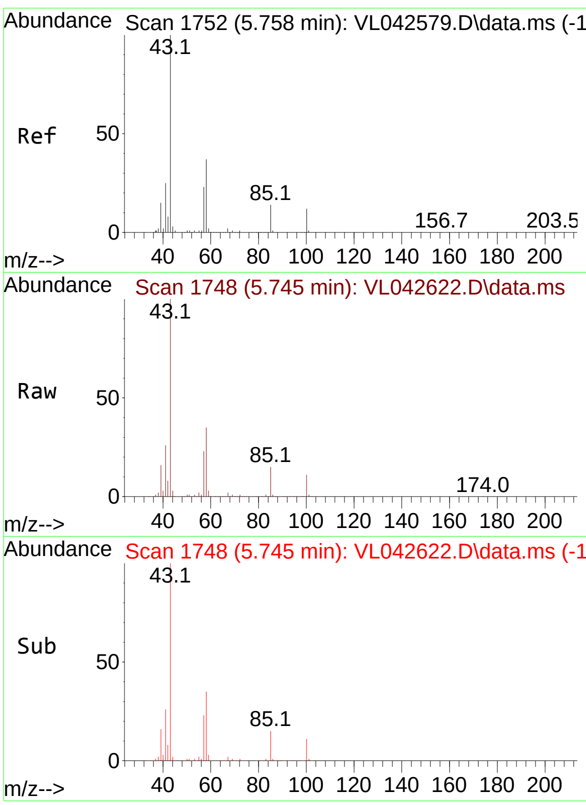
#49
Bromoform
Concen: 10.771 ppbv
RT: 9.484 min   Scan# 2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

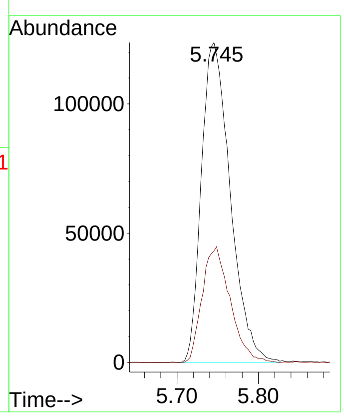
Tgt Ion:173	Resp:	162032	
Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
171	52.1	41.2	61.8

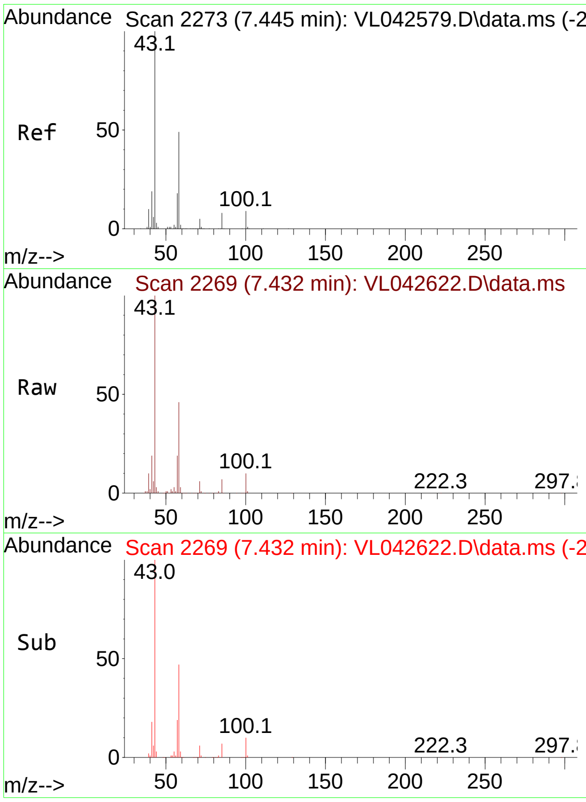




#50
4-Methyl-2-Pentanone
Concen: 10.684 ppbv
RT: 5.745 min   Scan# 1748
Delta R.T.   -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 43	Resp:	305302	
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.3	42.5



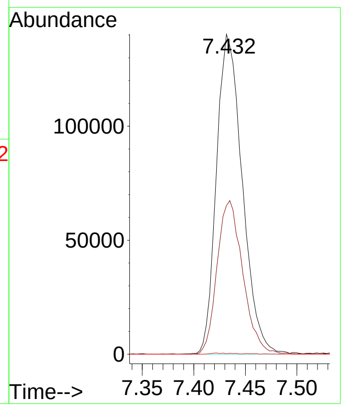


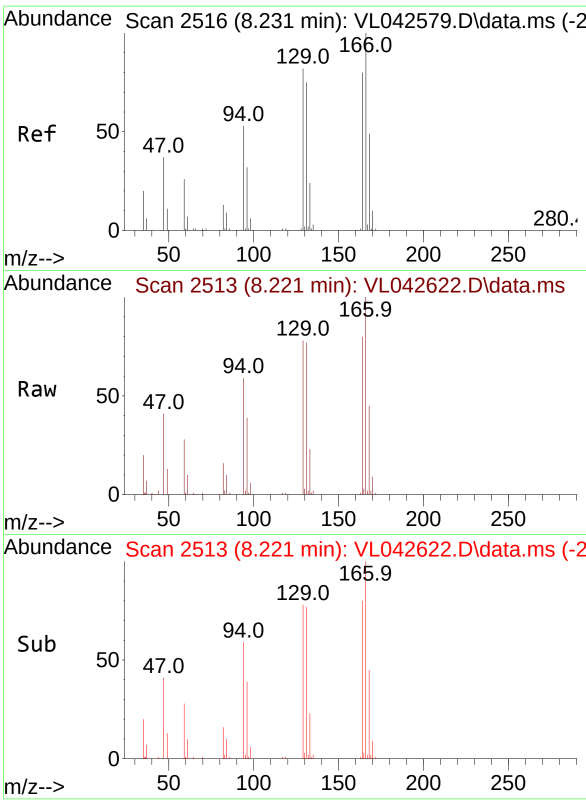
#51
2-Hexanone
Concen: 10.778 ppbv
RT: 7.432 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 244283

Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.9	59.9
98	0.4	0.1	0.1#

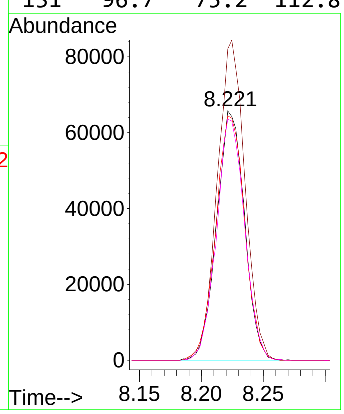


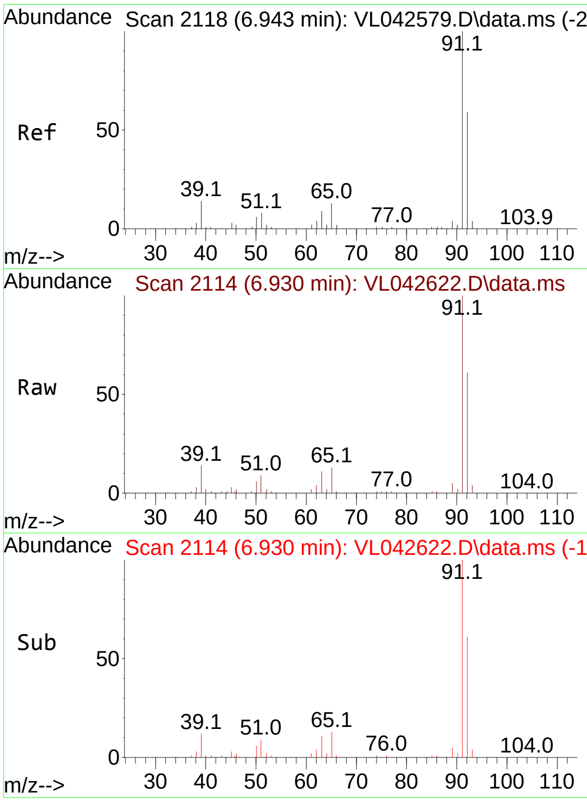


#52
Tetrachloroethene
Concen: 9.704 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.010 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:164 Resp: 103159

Ion	Ratio	Lower	Upper
164	100		
166	124.9	100.0	150.0
129	98.0	82.2	123.4
131	96.7	75.2	112.8



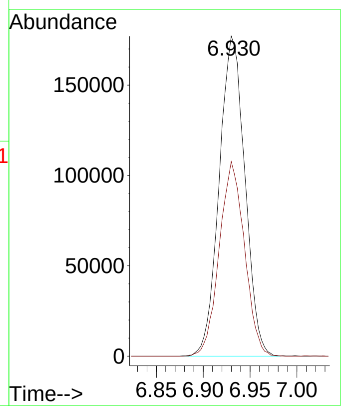


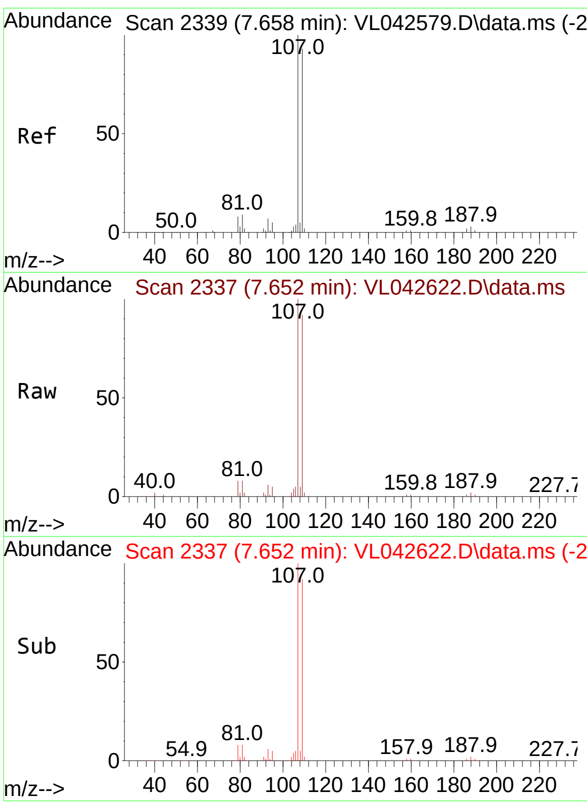
#53
Toluene
Concen: 10.265 ppbv
RT: 6.930 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 337532

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.2	72.4

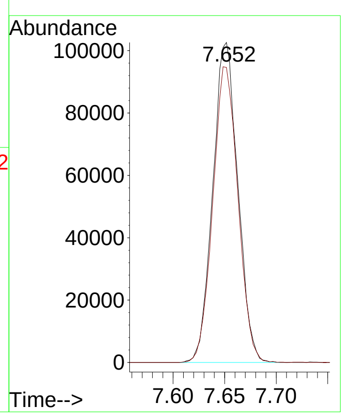


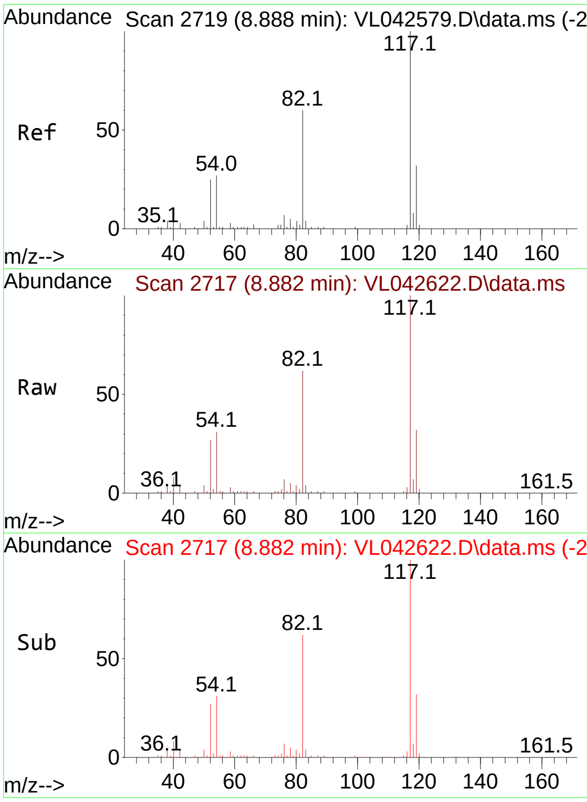


#54
1,2-Dibromoethane
Concen: 10.772 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:107 Resp: 173642

Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.3	111.5



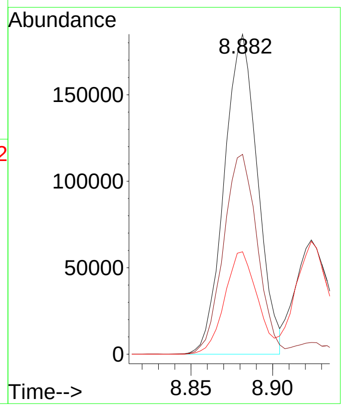


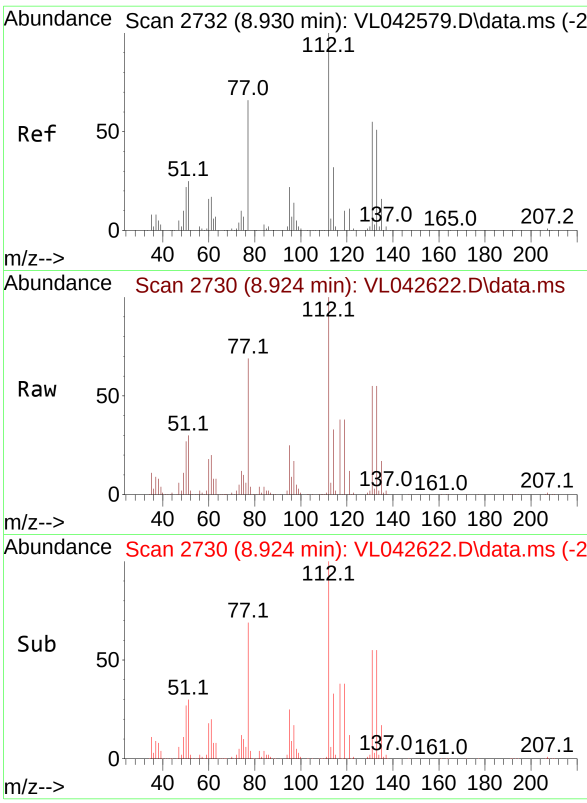
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 262507

Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.2	76.8
119	30.6	26.3	39.5

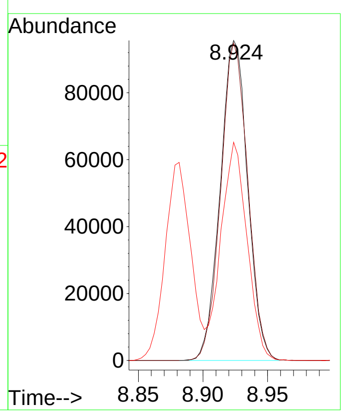


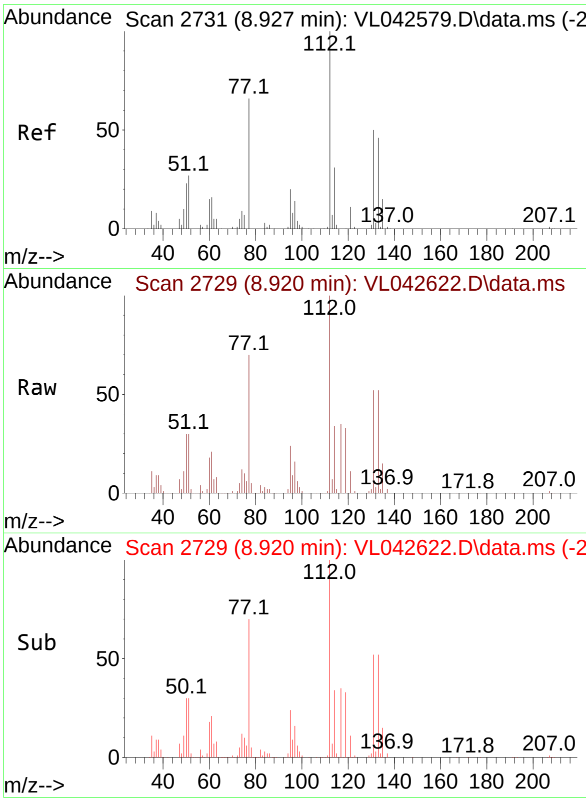


#56
1,1,1,2-Tetrachloroethane
Concen: 10.680 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:131 Resp: 140969

Ion	Ratio	Lower	Upper
131	100		
133	98.2	75.0	112.6
119	65.3	50.8	76.2



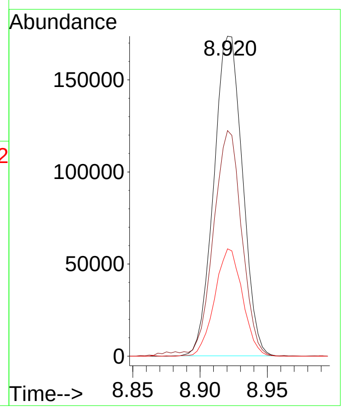


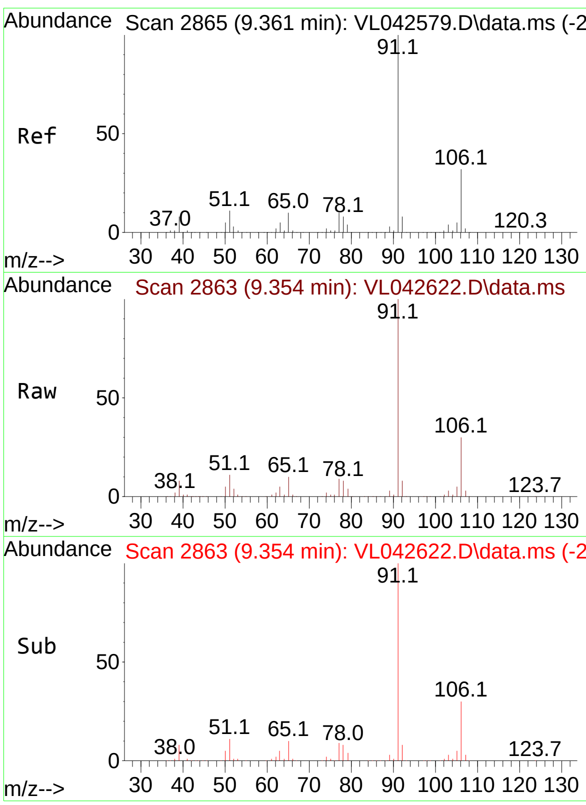
#57
Chlorobenzene
Concen: 10.116 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 257844

Ion	Ratio	Lower	Upper
112	100		
77	70.5	53.5	80.3
114	33.5	27.8	34.0

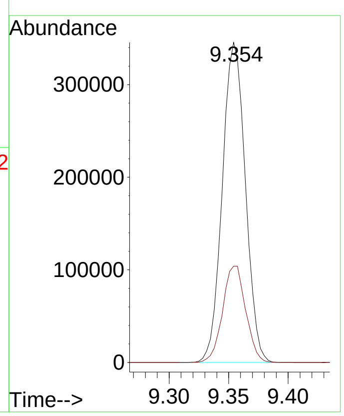


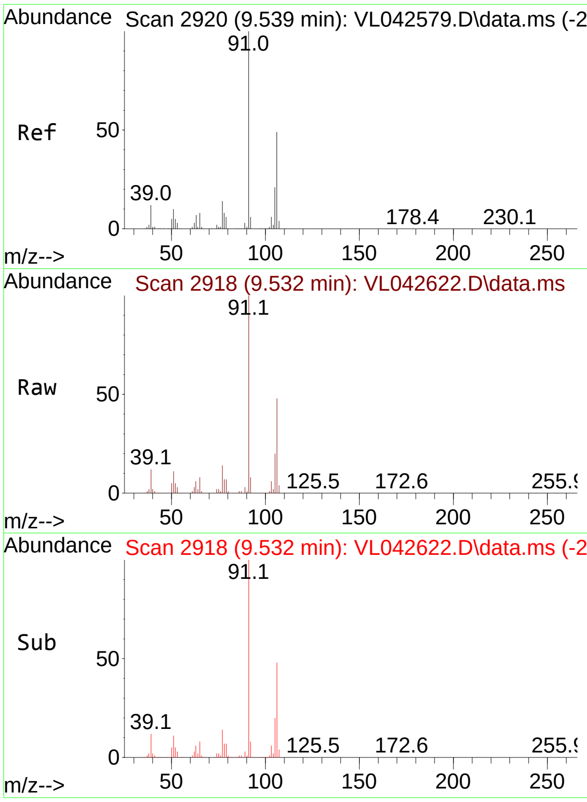


#58
Ethyl Benzene
Concen: 10.452 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 465413

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.9	38.9



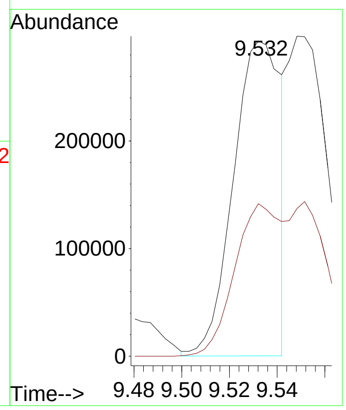


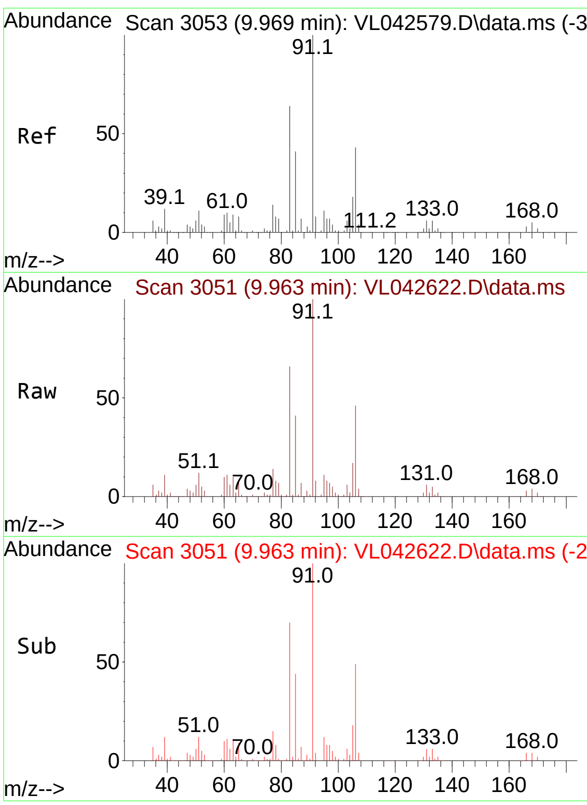
#59
m/p-Xylene
Concen: 11.421 ppbv
RT: 9.532 min   Scan# 2!
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 400220

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

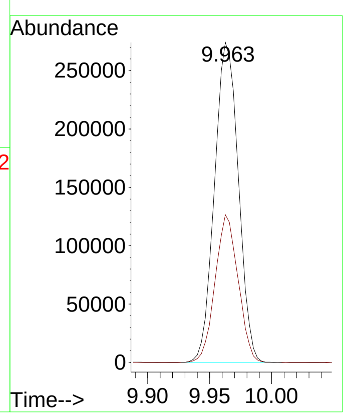


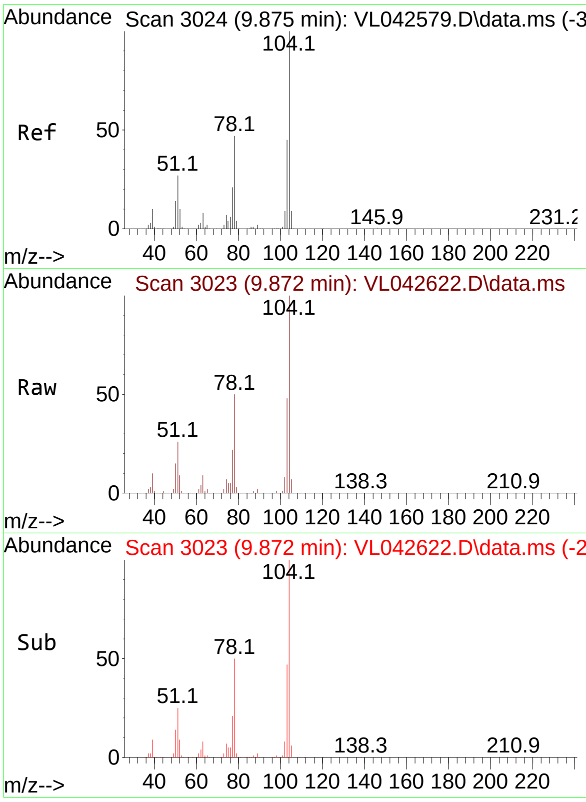


#60
o-Xylene
Concen: 10.551 ppbv
RT: 9.963 min   Scan# 3051
Delta R.T.   -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025   08:54

Tgt Ion: 91 Resp: 368739

Ion	Ratio	Lower	Upper
91	100		
106	44.5	22.9	68.5



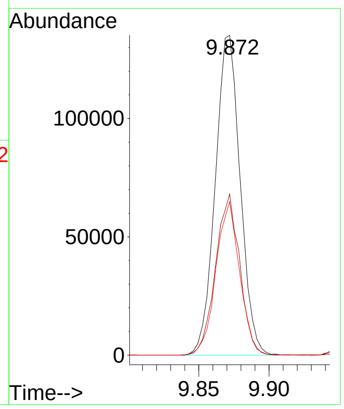


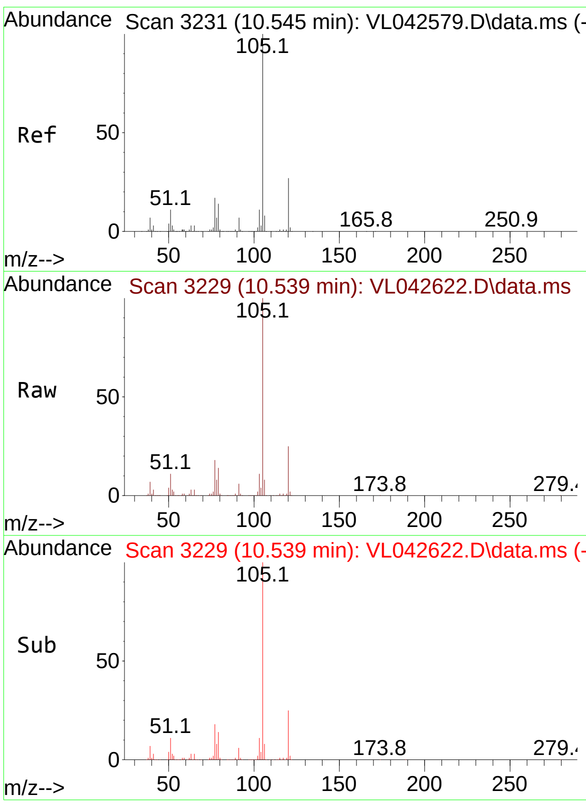
#61
Styrene
Concen: 10.130 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 167379

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.2	57.4
103	45.7	36.7	55.1

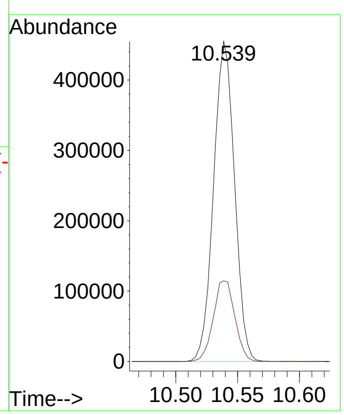


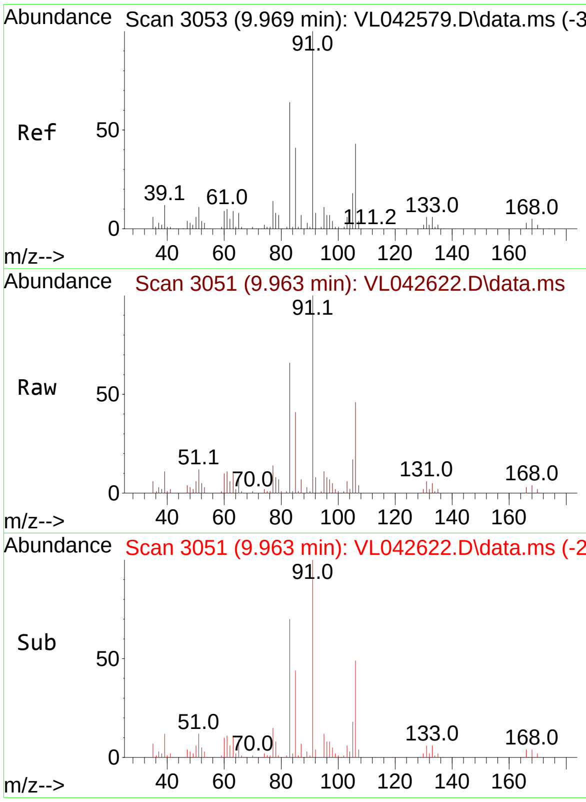


#62
Isopropylbenzene
Concen: 10.405 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:105 Resp: 537202

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.9	31.3



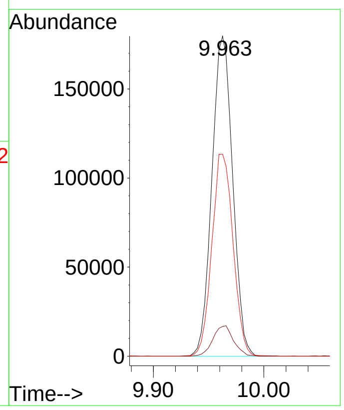


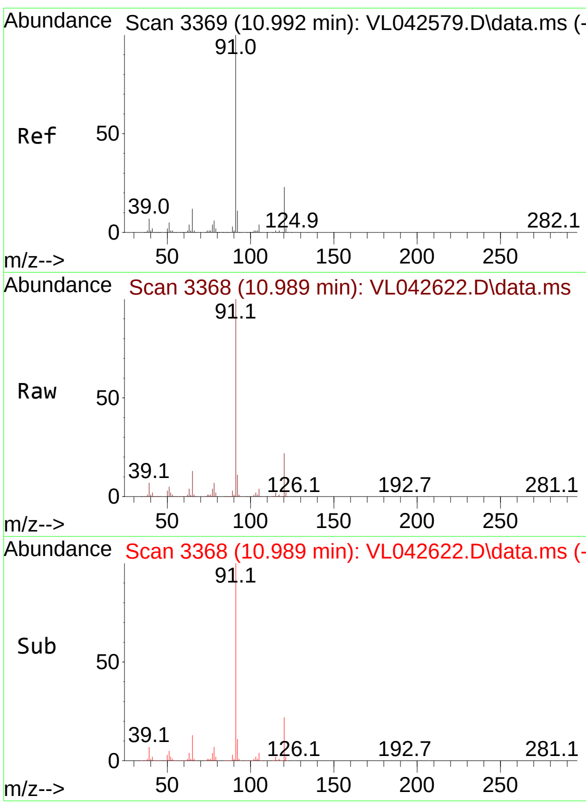
#63
1,1,2,2-Tetrachloroethane
Concen: 10.572 ppbv
RT: 9.963 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 234954

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.4	32.5	97.4

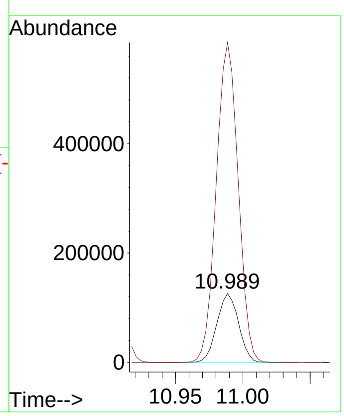


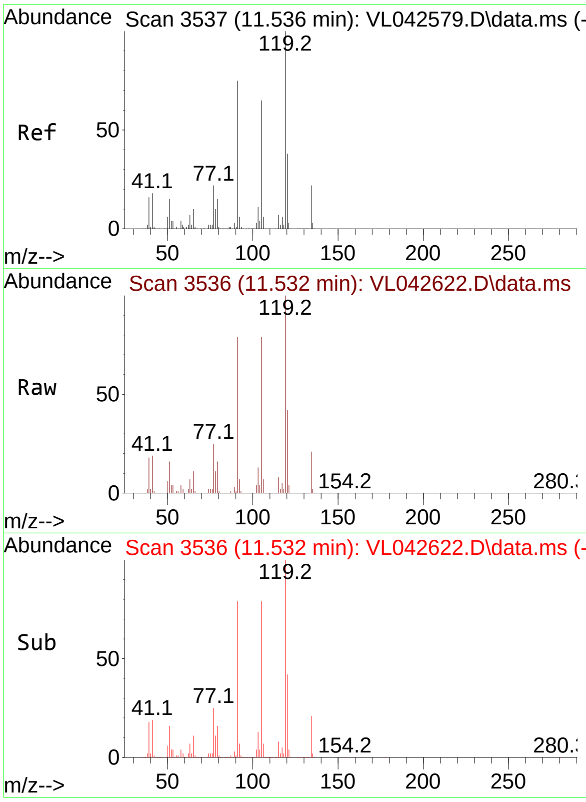


#64
n-propylbenzene
Concen: 10.210 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:120 Resp: 141307

Ion	Ratio	Lower	Upper
120	100		
91	469.4	363.0	544.6



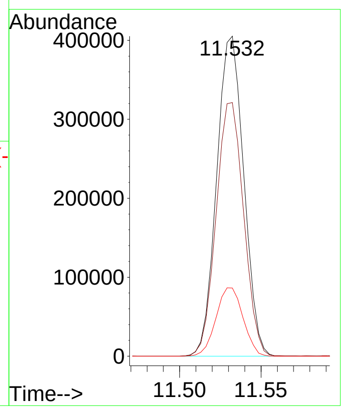


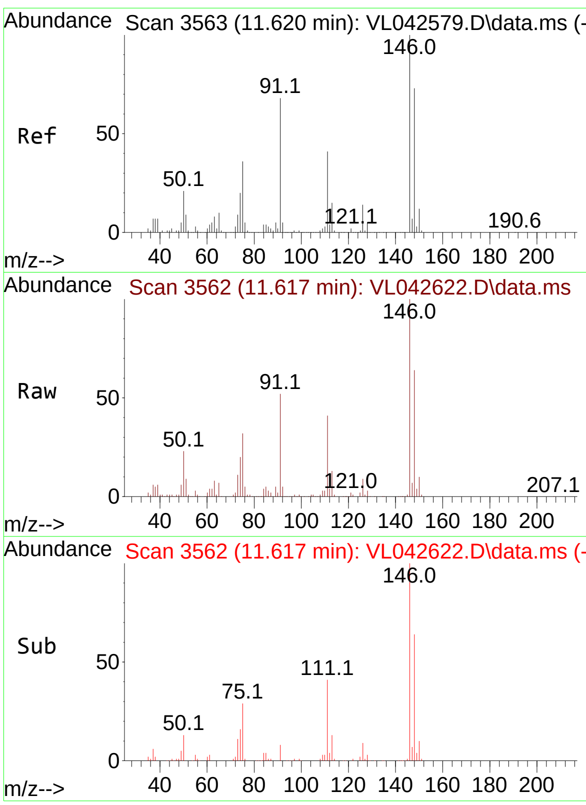
#65
tert-Butylbenzene
Concen: 10.024 ppbv
RT: 11.532 min Scan# 3
Delta R.T.   -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 469685

Ion	Ratio	Lower	Upper
119	100		
91	80.6	61.1	91.7
134	21.3	17.4	26.2

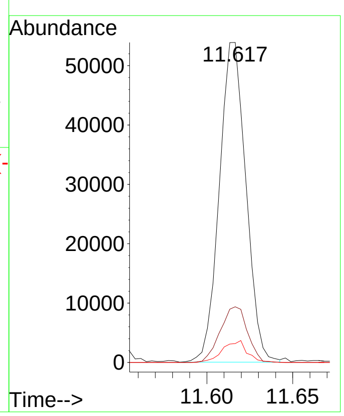


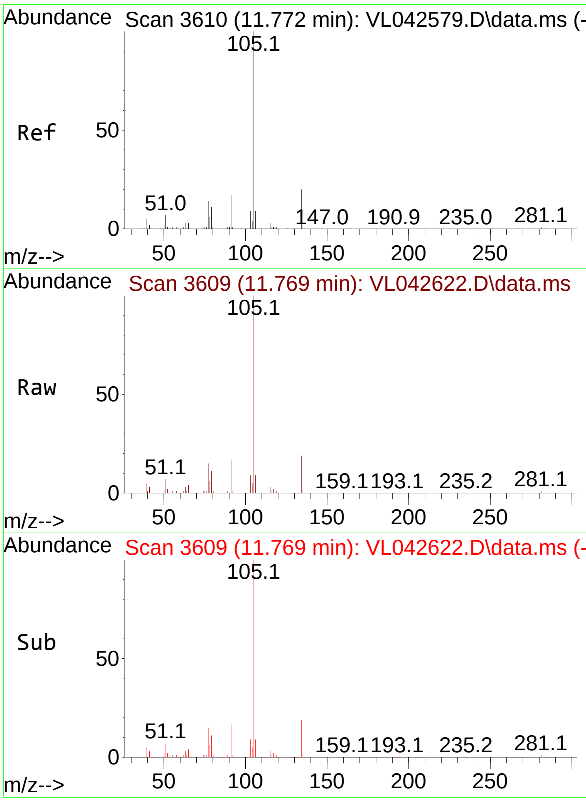


#66
Benzyl Chloride
Concen: 9.630 ppbv
RT: 11.617 min Scan# 3562
Delta R.T.   -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 58077

Ion	Ratio	Lower	Upper
91	100		
126	17.8	15.1	22.7
128	6.3	5.0	7.6



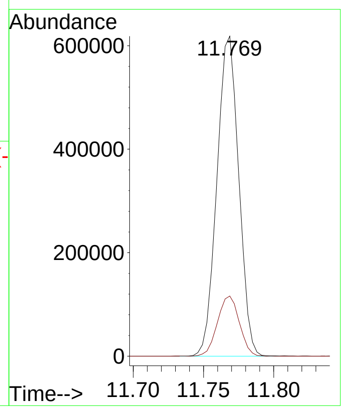


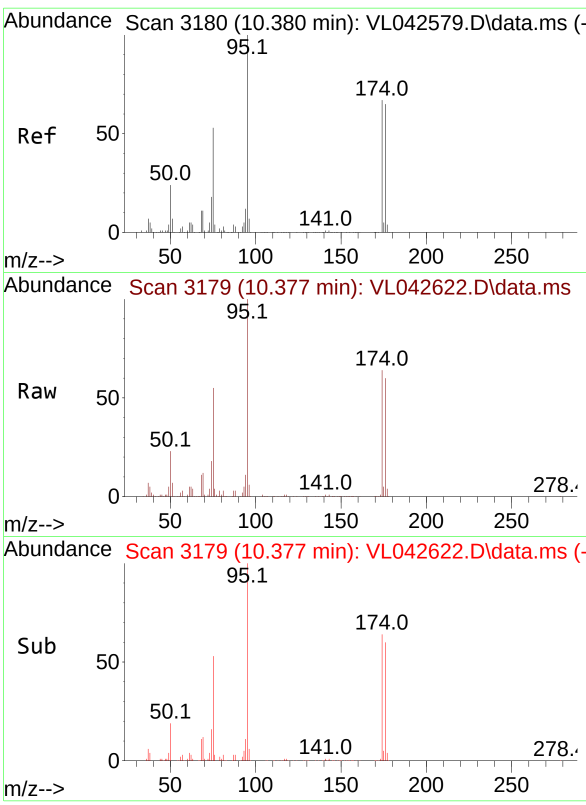
#67
sec-Butylbenzene
Concen: 10.172 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 670092

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.8	23.6

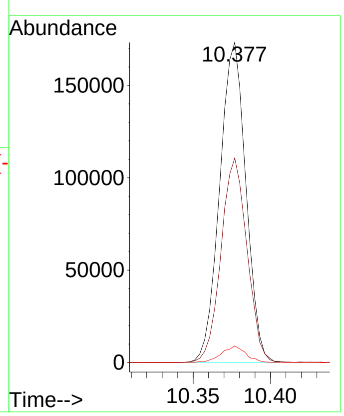


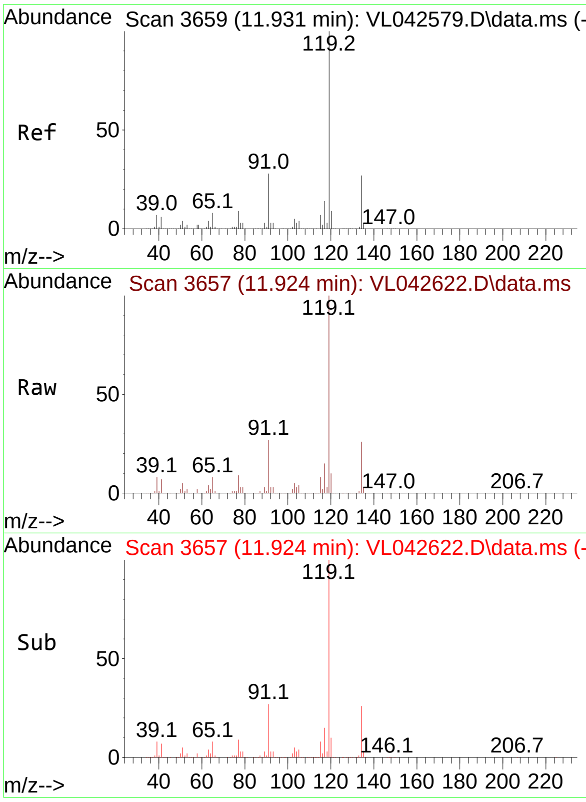


#68
1-Bromo-4-Fluorobenzene
Concen: 10.379 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 95 Resp: 204239

Ion	Ratio	Lower	Upper
95	100		
174	63.5	53.1	79.7
175	4.8	4.2	6.2



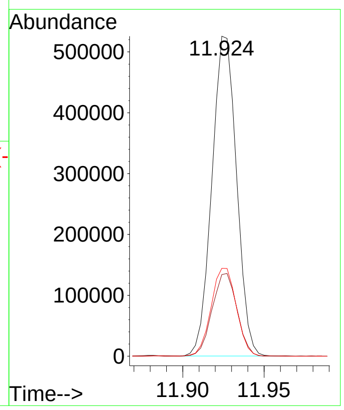


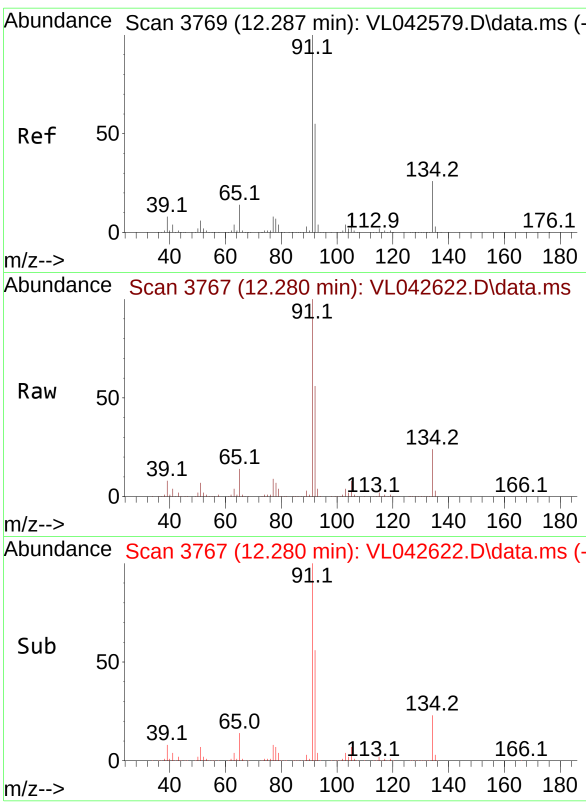
#69
p-Isopropyltoluene
Concen: 10.041 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 553909

Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	28.4	21.9	32.9

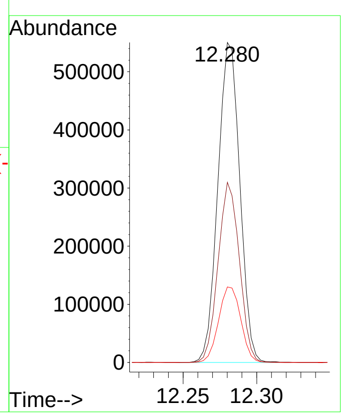


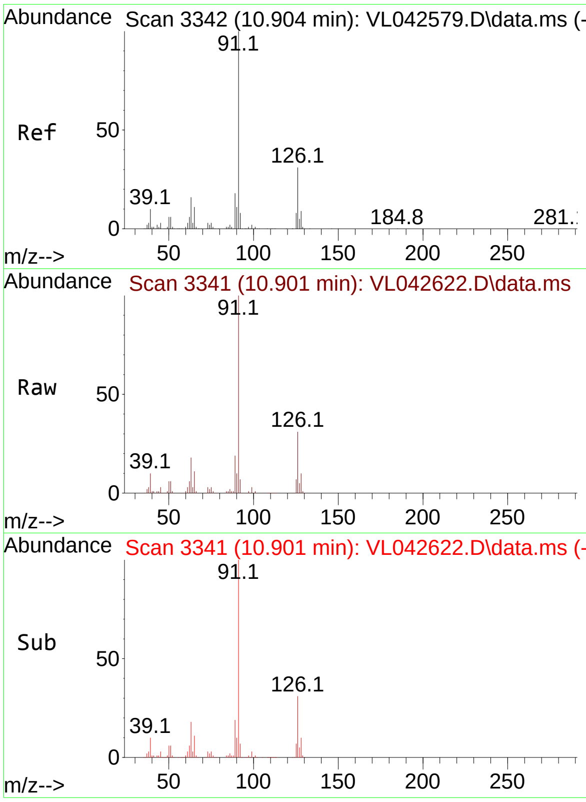


#70
n-Butylbenzene
Concen: 10.478 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion: 91 Resp: 570539

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.4	66.6
134	23.9	20.1	30.1



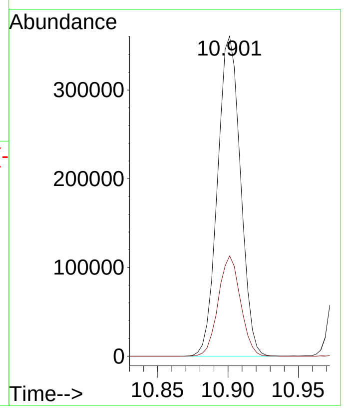


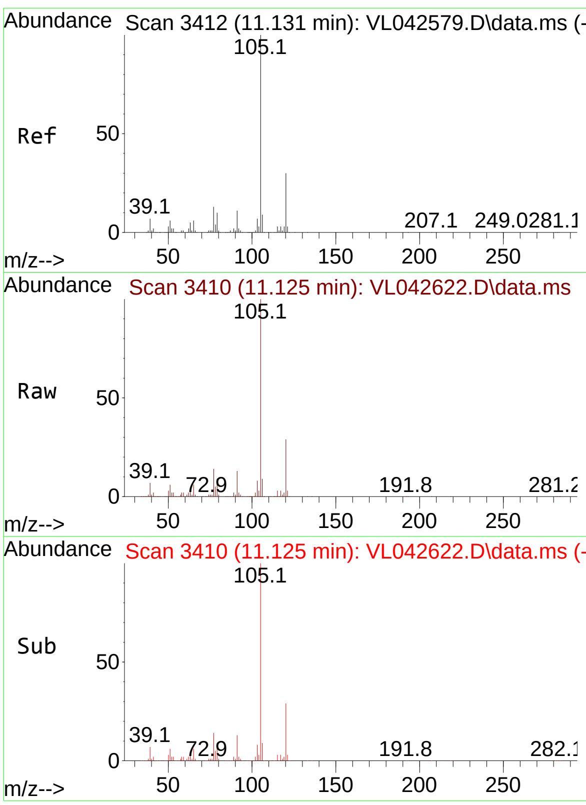
#71
2-Chlorotoluene
Concen: 10.423 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 410506

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.6	50.4

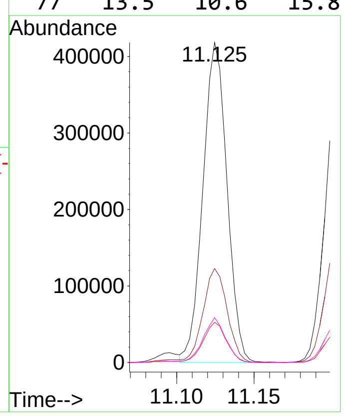


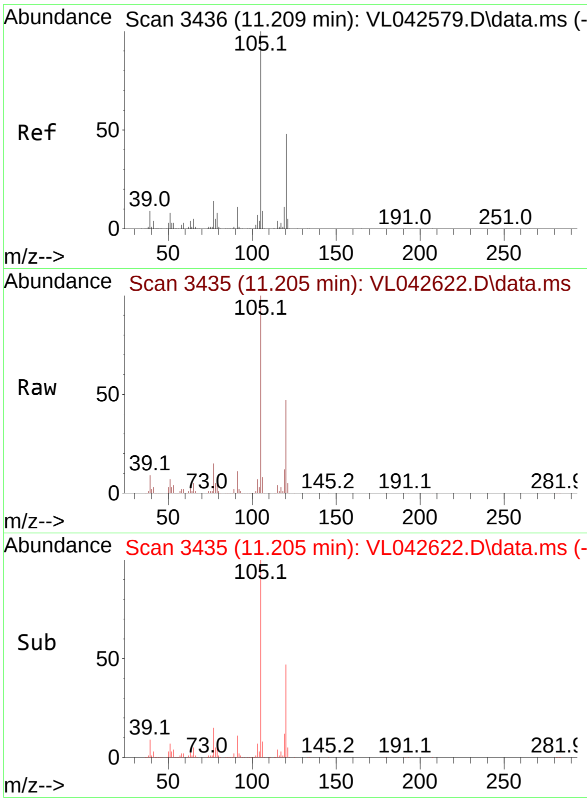


#72
4-Ethyltoluene
Concen: 10.397 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:105 Resp: 453022

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.6	36.8
91	12.6	9.6	14.4
77	13.5	10.6	15.8



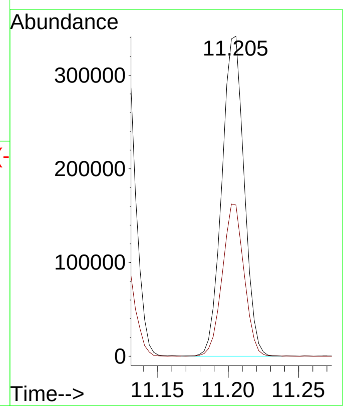


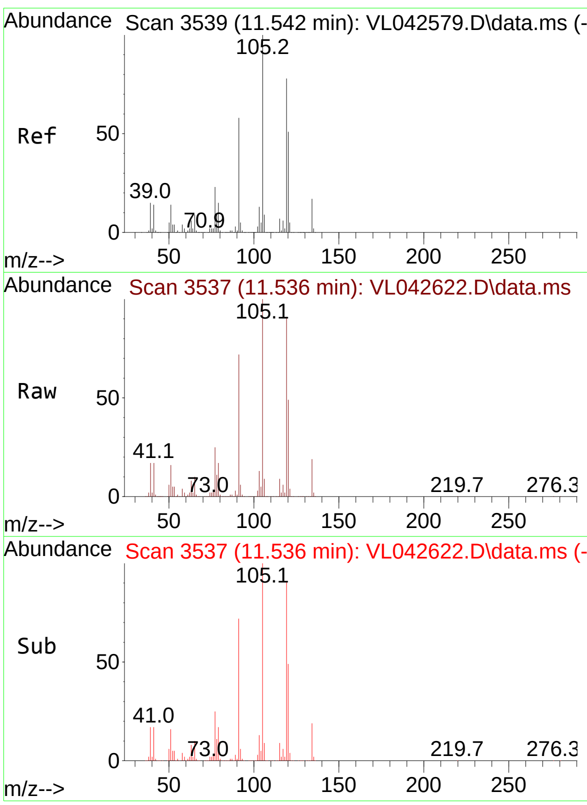
#73
1,3,5-Trimethylbenzene
Concen: 10.419 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 375736

Ion	Ratio	Lower	Upper
105	100		
120	47.2	38.8	58.2

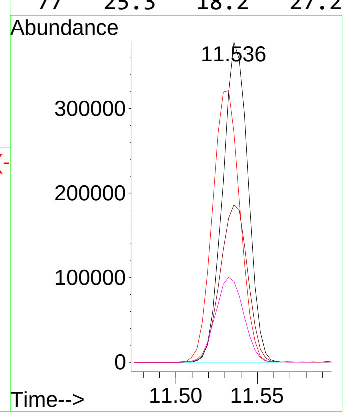


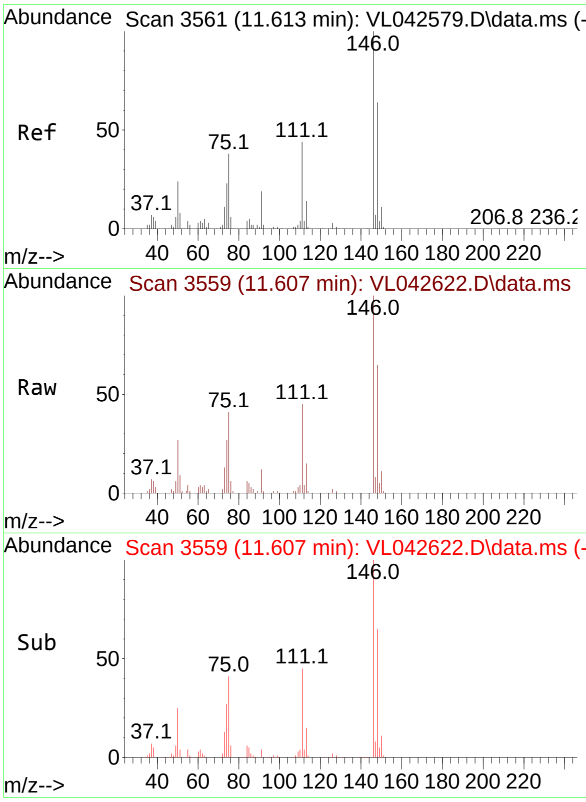


#74
1,2,4-Trimethylbenzene
Concen: 10.253 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:105 Resp: 410308

Ion	Ratio	Lower	Upper
105	100		
120	49.2	40.8	61.2
91	71.8	46.8	70.2#
77	25.3	18.2	27.2



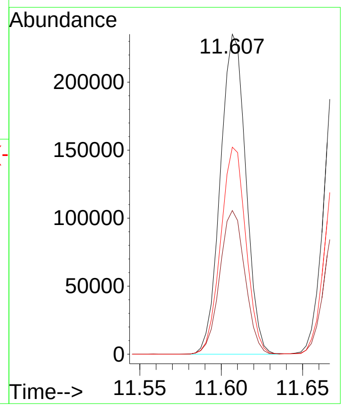


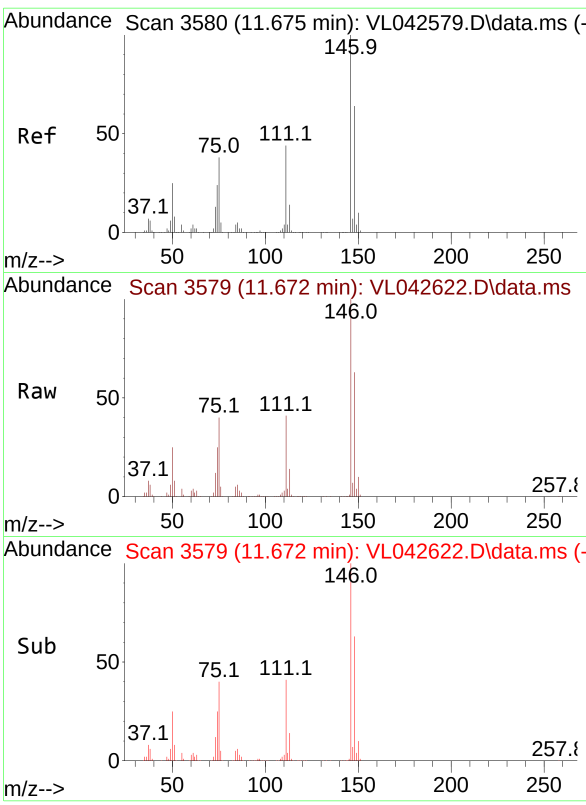
#75
1,3-Dichlorobenzene
Concen: 10.182 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 255878

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.4	67.3
148	64.1	32.0	96.2

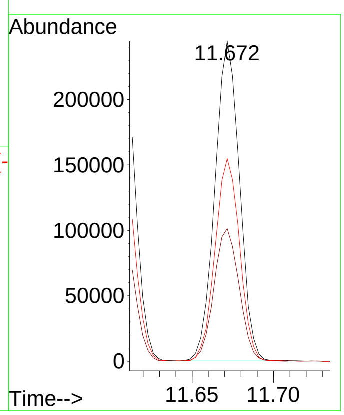


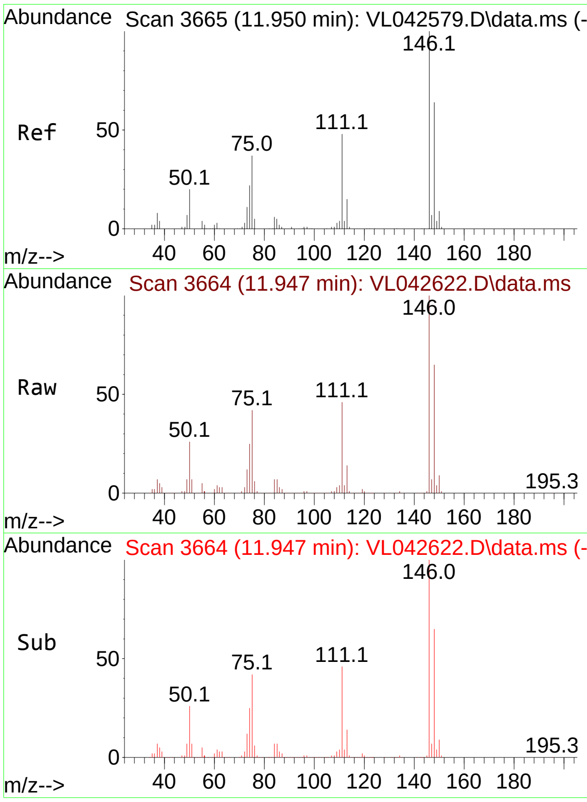


#76
1,4-Dichlorobenzene
Concen: 10.228 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:146 Resp: 256373

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	63.6	32.1	96.5



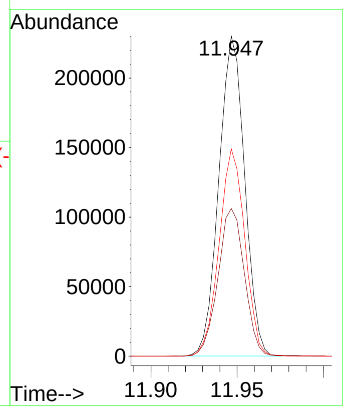


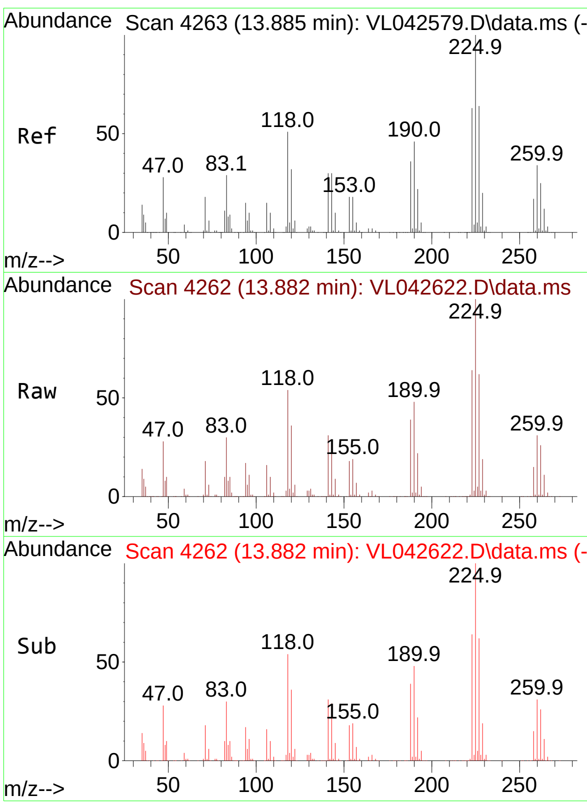
#77
1,2-Dichlorobenzene
Concen: 9.820 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 239527

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.1	69.3
148	64.6	32.1	96.3

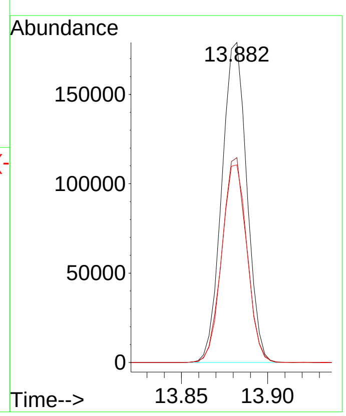


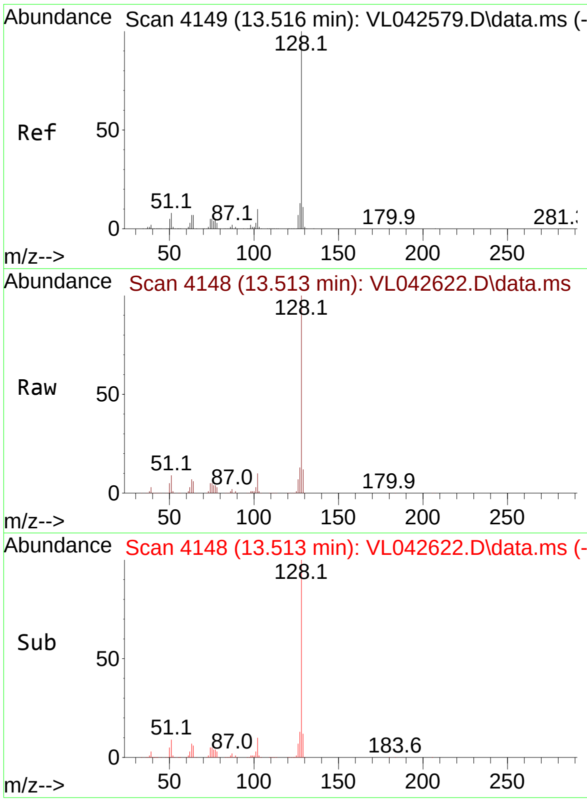


#78
Hexachloro-1,3-Butadiene
Concen: 8.979 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:225 Resp: 181205

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	62.7	51.1	76.7





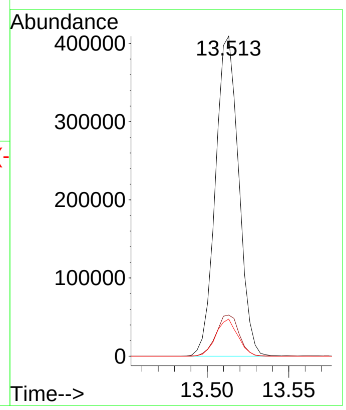
#79
Naphthalene
Concen: 10.728 ppbv
RT: 13.513 min Scan# 4

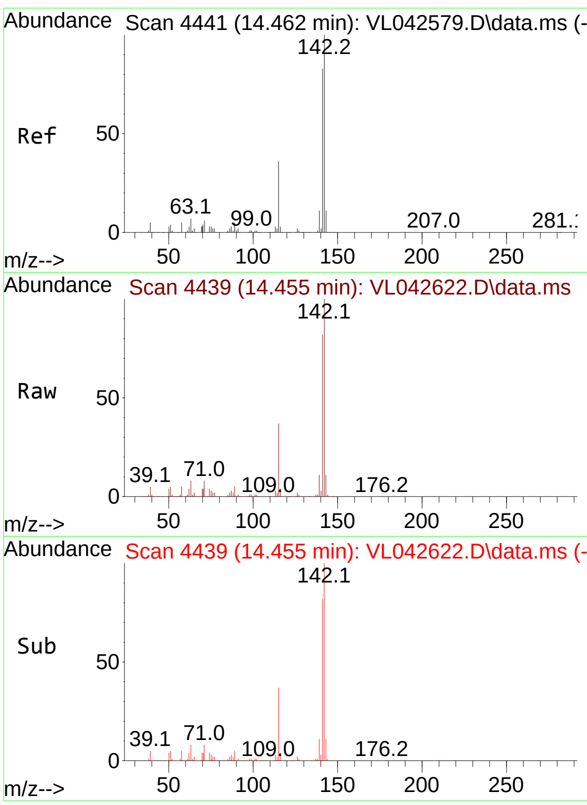
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Delta R.T.   -0.003 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:128 Resp: 404699

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.6	8.8	13.2

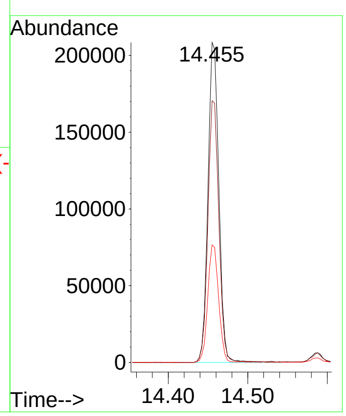


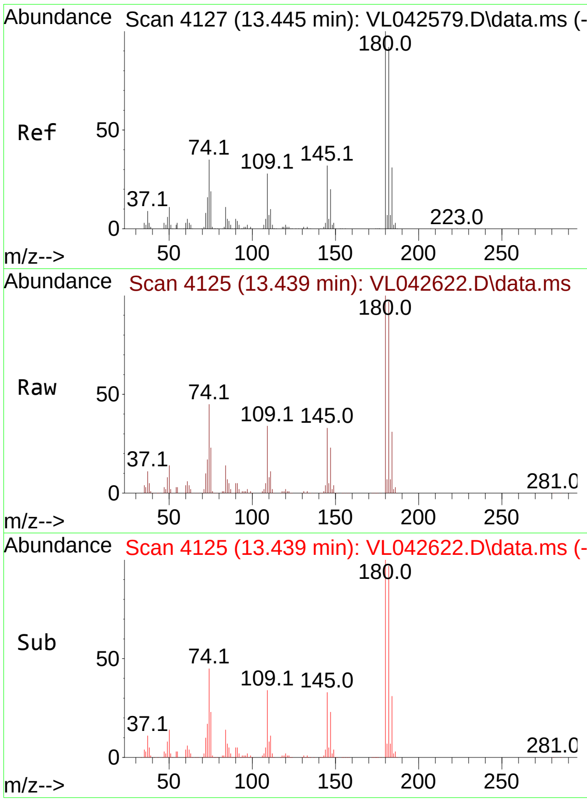


#80
Naphthalene,2-methyl-
Concen: 11.702 ppbv
RT: 14.455 min Scan# 4439
Delta R.T.   -0.007 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Tgt Ion:142 Resp: 199431

Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.2	99.4
115	37.1	28.3	42.5



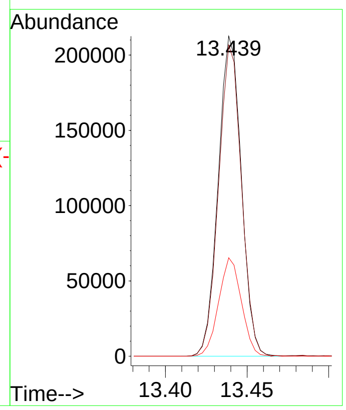


#81
1,2,4-Trichlorobenzene
Concen: 9.932 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042622.D
Acq: 16 Jun 2025 08:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 209155

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.0	112.4
184	30.2	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042624.D
Acq On : 16 Jun 2025 10:29
Operator : SY/MD
Sample : VL0616ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Quant Time: Jun 17 03:03:38 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	2.787	49	107046	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	286719	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.882	117	259461	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.377	95	199109	10.237 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.400%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	136670	10.388 ppbv	96
3) Chlorodifluoromethane	1.476	51	174546	9.633 ppbv	98
4) Chloromethane	1.534	50	51156	9.819 ppbv	98
5) Vinyl Chloride	1.580	62	48533	9.145 ppbv	100
6) Bromomethane	1.667	94	24091	9.326 ppbv	94
7) Chloroethane	1.703	64	19971	9.685 ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	112219	10.237 ppbv	100
9) Propene	1.483	41	69909	9.581 ppbv	99
10) Heptane	4.978	43	197588	9.606 ppbv	100
11) Trichlorofluoromethane	1.877	101	140074	11.443 ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	109502	11.392 ppbv	98
13) Ethanol	1.722	45	5871	6.751 ppbv	96
14) Bromoethene	1.780	108	38439	10.631 ppbv	96
15) Acetone	1.835	43	114754	8.900 ppbv	97
16) 1,3-Butadiene	1.609	39	56873	9.311 ppbv	96
17) tert-Butyl alcohol	2.039	59	137548	10.240 ppbv	99
18) 1,1-Dichloroethene	2.033	96	45907	10.304 ppbv	97
19) Isopropyl Alcohol	1.884	45	75945	9.852 ppbv	100
20) Methylene Chloride	2.062	84	39509	9.285 ppbv	98
21) Allyl Chloride	2.094	41	90040	9.897 ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	52622	10.574 ppbv	100
23) Vinyl Acetate	2.463	43	212830	12.211 ppbv	98
24) 1,1-Dichloroethane	2.408	63	108253	10.572 ppbv	99
25) Ethyl Acetate	2.832	43	348882	9.887 ppbv	99
26) Hexane	2.826	57	149725	9.338 ppbv	96
27) Carbon Disulfide	2.149	76	132478	10.763 ppbv #	92
28) Methyl tert-Butyl Ether	2.437	73	66546	10.228 ppbv	98
29) Chloroform	2.848	83	210668	10.104 ppbv	99
30) Cyclohexane	3.855	84	122467	9.213 ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	147213	10.037 ppbv	96
32) 1,1,1-Trichloroethane	3.366	97	207491	9.740 ppbv	98
34) 2-Butanone	2.554	43	226773	11.091 ppbv	99
35) Carbon Tetrachloride	3.764	117	210222	11.107 ppbv	99
36) Benzene	3.658	78	304362	10.780 ppbv	99
37) 1,2-Dichloroethane	3.217	62	163904	11.680 ppbv	99
38) Trichloroethene	4.548	130	122527	10.210 ppbv	88
39) 1,2-Dichloropropane	4.315	63	110459	10.579 ppbv	97
40) 1,4-Dioxane	4.577	88	48307	10.339 ppbv #	90
41) Tetrahydrofuran	3.052	42	128060	10.699 ppbv	99
42) Bromodichloromethane	4.489	83	232526	11.667 ppbv	96
43) Methyl Methacrylate	4.878	69	114782	10.474 ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	514353	10.650 ppbv	99
45) t-1,3-Dichloropropene	6.412	75	132193	10.542 ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042624.D
Acq On : 16 Jun 2025 10:29
Operator : SY/MD
Sample : VL0616ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Quant Time: Jun 17 03:03:38 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)
46) cis-1,3-Dichloropropene	5.596	75	166004	10.565 ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	116650	10.792 ppbv	94
48) Dibromochloromethane	7.389	129	187227	10.821 ppbv	100
49) Bromoform	9.487	173	161902	10.844 ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	309608	10.917 ppbv	99
51) 2-Hexanone	7.435	43	247186	10.989 ppbv #	96
52) Tetrachloroethene	8.225	164	102638	9.728 ppbv	97
53) Toluene	6.936	91	337046	10.328 ppbv	99
54) 1,2-Dibromoethane	7.655	107	170053	10.630 ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	140643	10.780 ppbv	98
57) Chlorobenzene	8.920	112	264897	10.515 ppbv	99
58) Ethyl Benzene	9.357	91	467998	10.634 ppbv	96
59) m/p-Xylene	9.532	91	378682	10.934 ppbv #	29
60) o-Xylene	9.966	91	369758	10.704 ppbv	98
61) Styrene	9.872	104	169386	10.371 ppbv	99
62) Isopropylbenzene	10.539	105	541625	10.613 ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	235113	10.704 ppbv	98
64) n-propylbenzene	10.989	120	141765	10.363 ppbv	94
65) tert-Butylbenzene	11.532	119	469290	10.134 ppbv	96
66) Benzyl Chloride	11.617	91	54970	9.221 ppbv	98
67) sec-Butylbenzene	11.769	105	671931	10.320 ppbv	98
69) p-Isopropyltoluene	11.927	119	556052	10.198 ppbv	99
70) n-Butylbenzene	12.283	91	573365	10.653 ppbv	98
71) 2-Chlorotoluene	10.901	91	410090	10.535 ppbv	97
72) 4-Ethyltoluene	11.125	105	454234	10.547 ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	377709	10.597 ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	411337	10.399 ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	257115	10.351 ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	259390	10.470 ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	250092	10.374 ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	182353	9.142 ppbv	99
79) Naphthalene	13.513	128	404428	10.847 ppbv	100
80) Naphthalene,2-methyl-	14.458	142	199834	11.863 ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	210333	10.105 ppbv	98

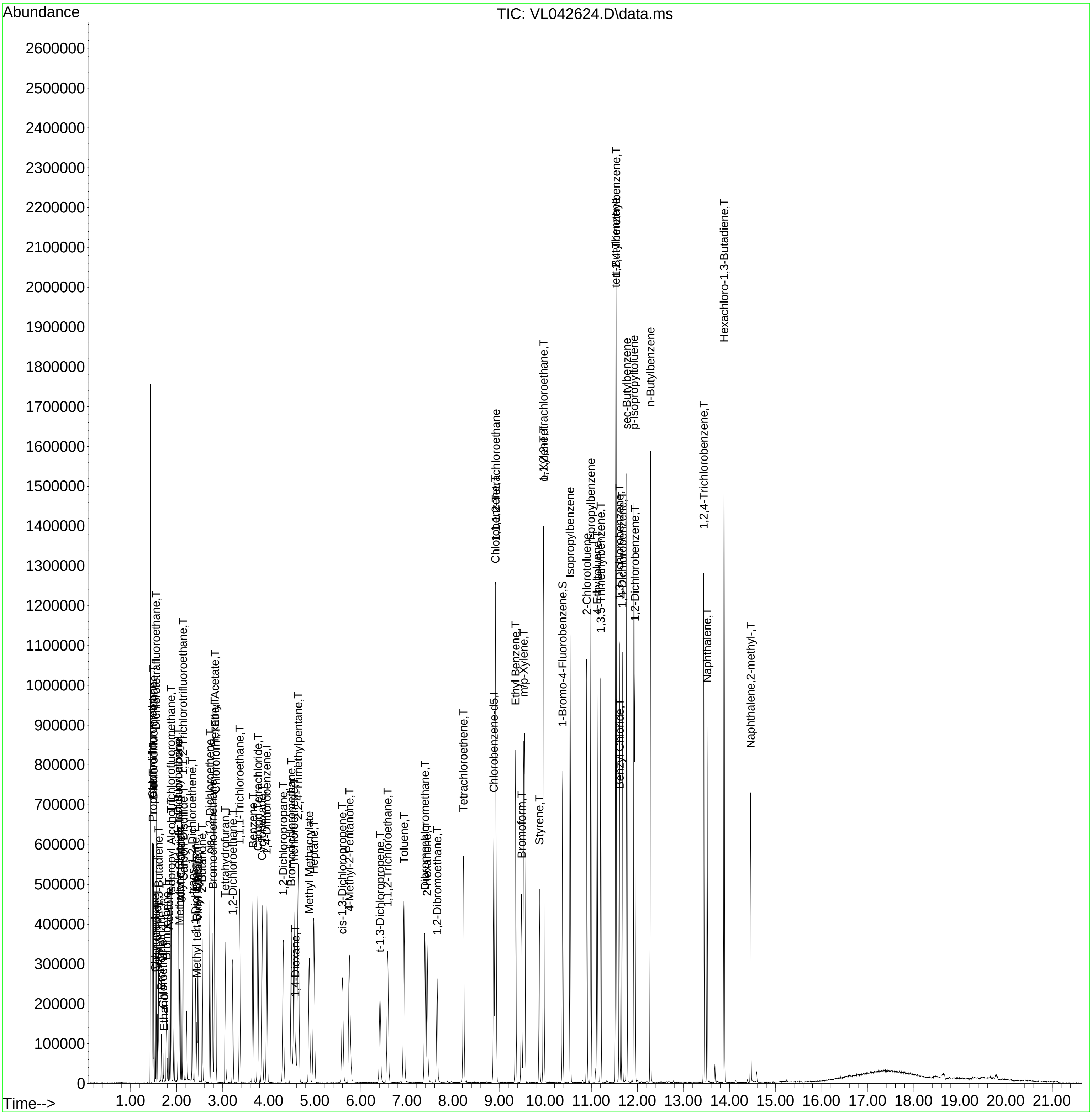
(#) = qualifier out of range (m) = manual integration (+) = signals summed

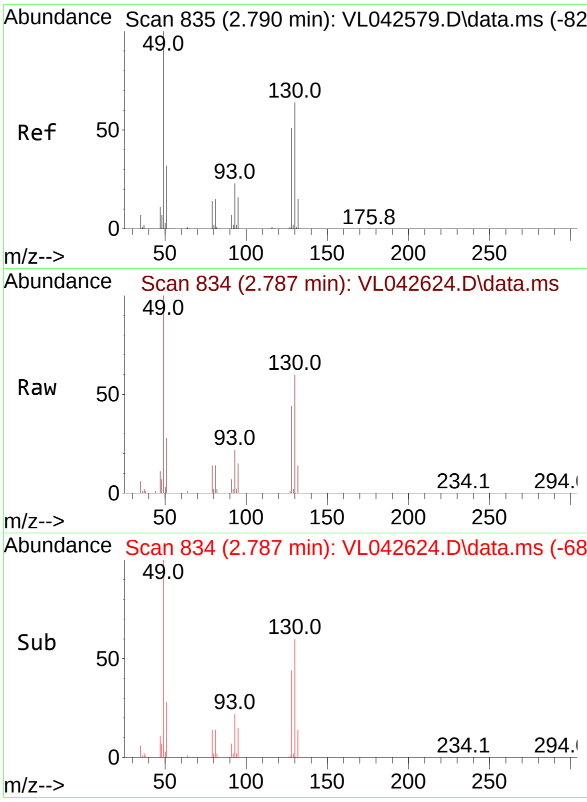
Quantitation Report   (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042624.D
Acq On   : 16 Jun 2025 10:29
Operator : SY/MD
Sample   : VL0616ABS01
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Quant Time: Jun 17 03:03:38 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



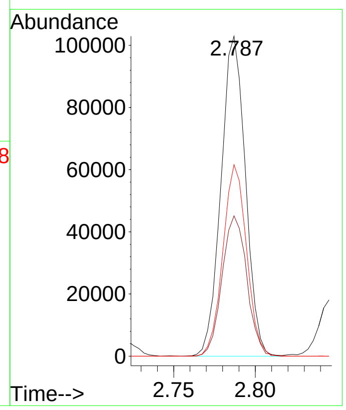


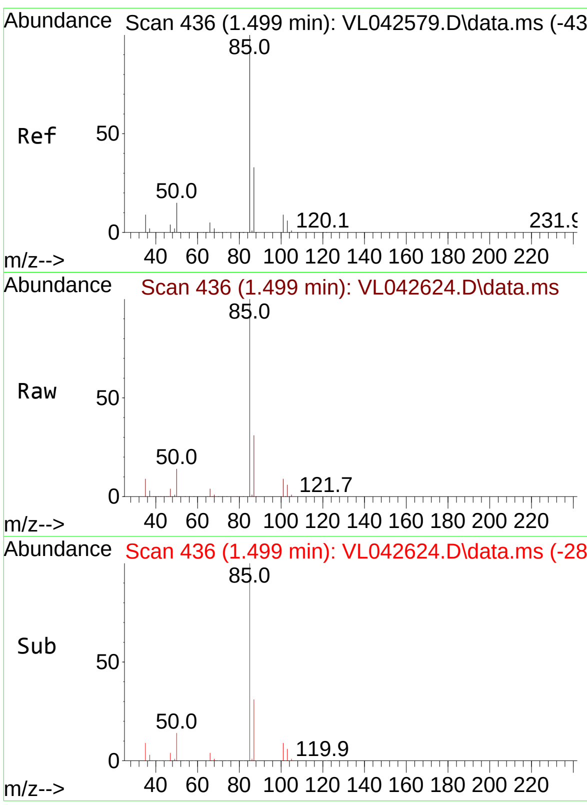
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 49 Resp: 107046

Ion	Ratio	Lower	Upper
49	100		
128	44.6	24.2	72.6
130	57.9	30.4	91.2

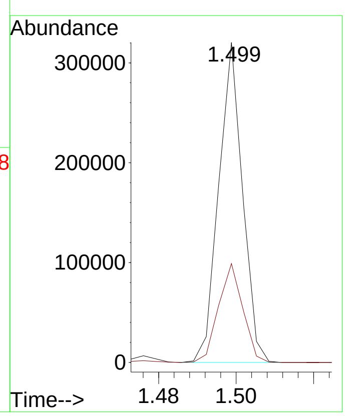


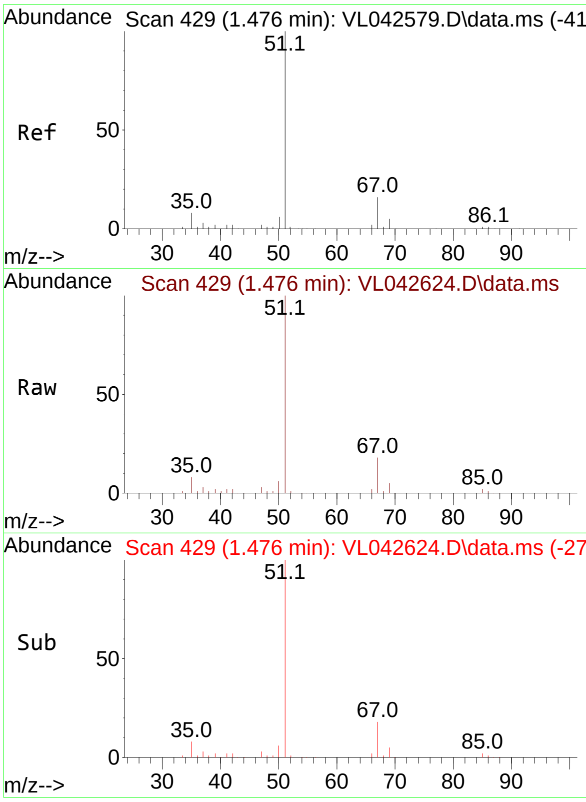


#2
Dichlorodifluoromethane
Concen: 10.388 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 85 Resp: 136670

Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.6	39.8



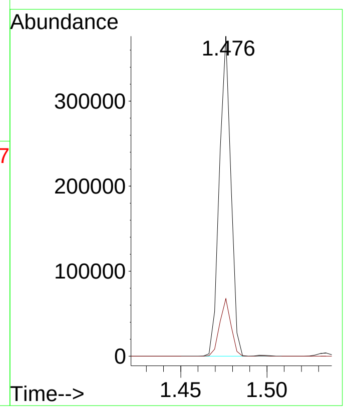


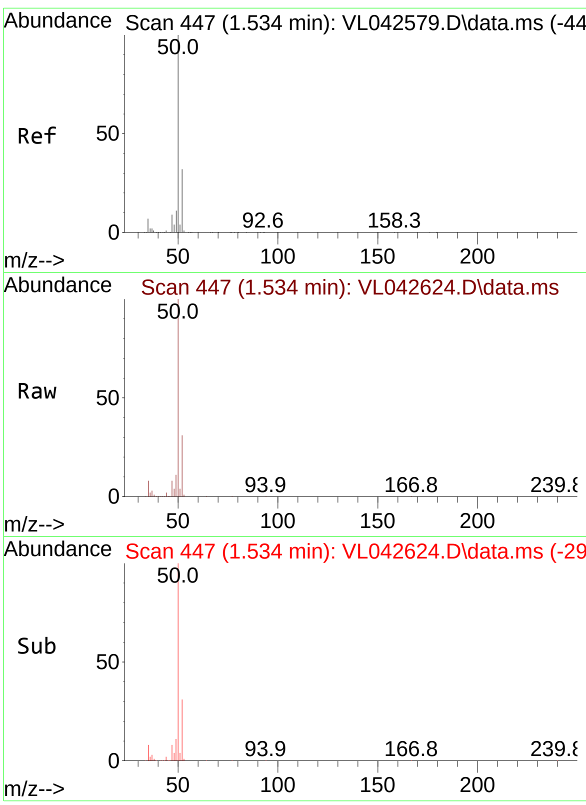
#3
Chlorodifluoromethane
Concen: 9.633 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 51 Resp: 174546

Ion	Ratio	Lower	Upper
51	100		
67	17.6	13.4	20.2

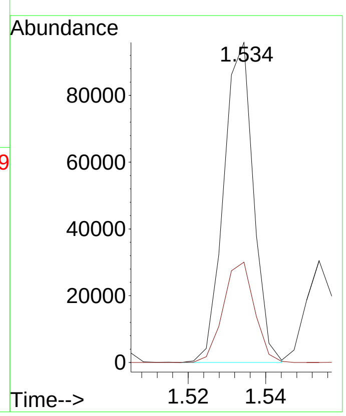


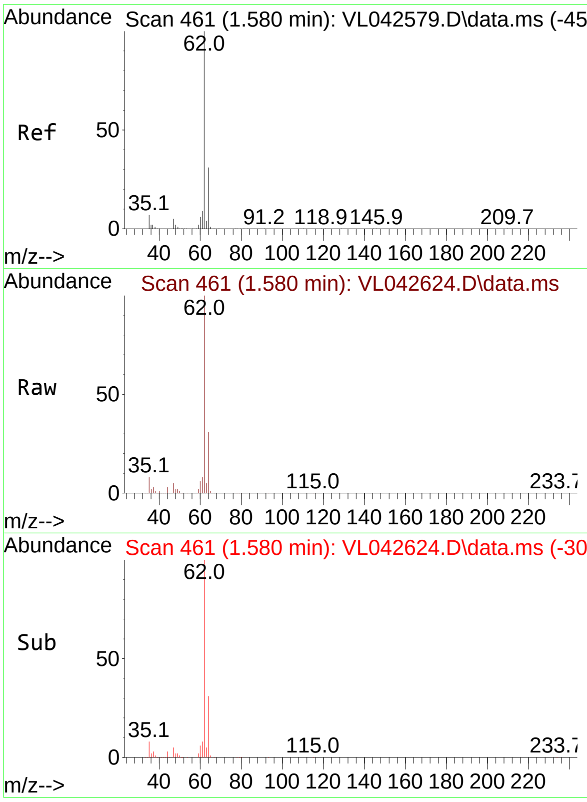


#4
Chloromethane
Concen: 9.819 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 50 Resp: 51156

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.8	38.6





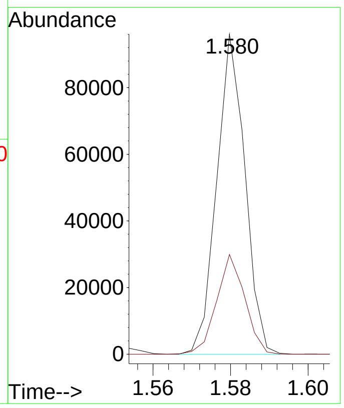
#5
Vinyl Chloride
Concen: 9.145 ppbv
RT: 1.580 min Scan# 4(

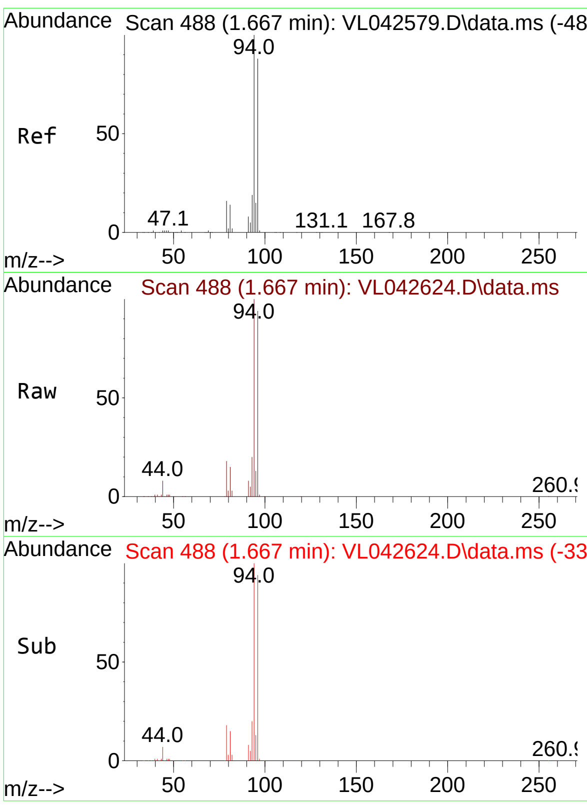
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 62 Resp: 48533

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

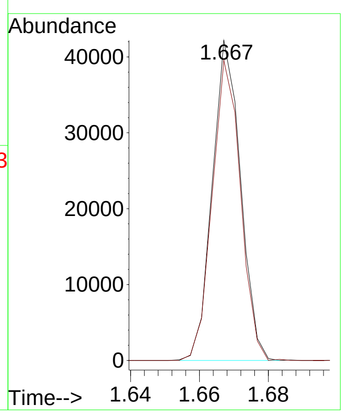


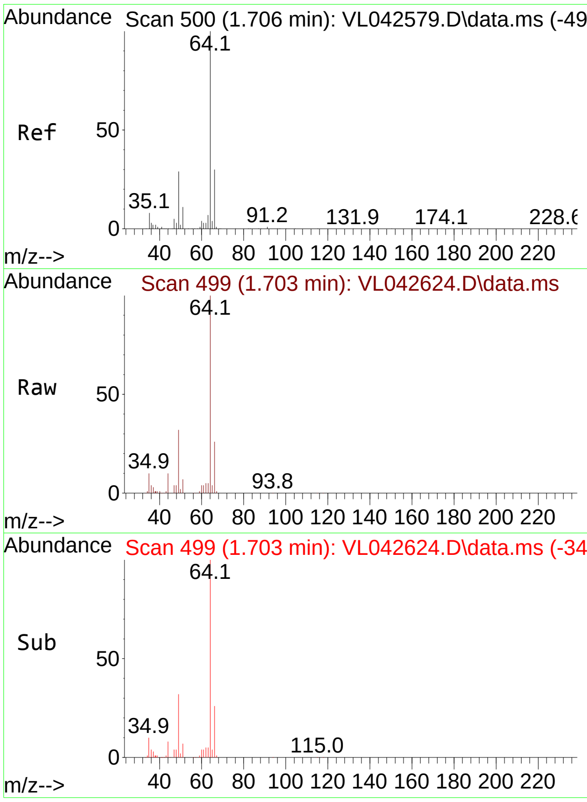


#6
Bromomethane
Concen: 9.326 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 94 Resp: 24091

Ion	Ratio	Lower	Upper
94	100		
96	93.8	70.7	106.1



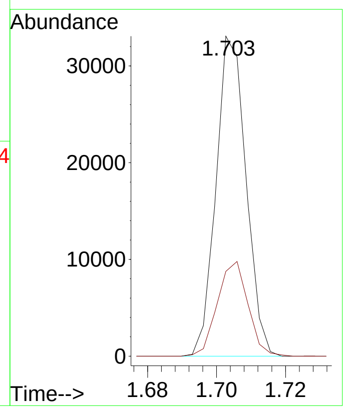


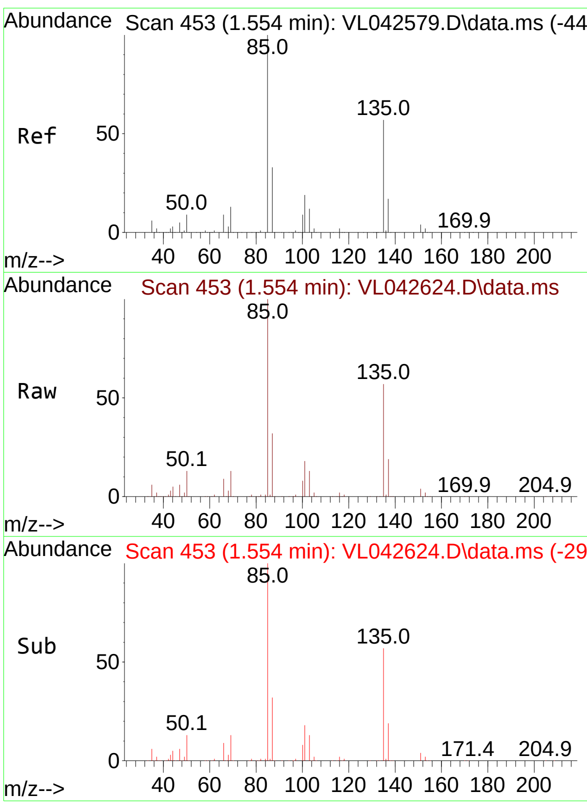
#7
Chloroethane
Concen: 9.685 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 64 Resp: 19971

Ion	Ratio	Lower	Upper
64	100		
66	26.5	24.3	36.5

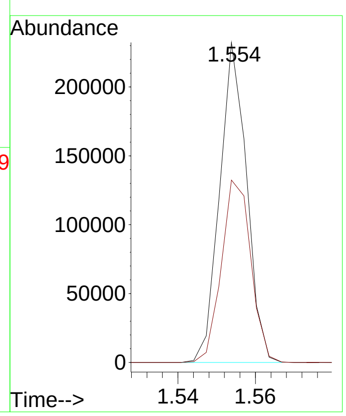


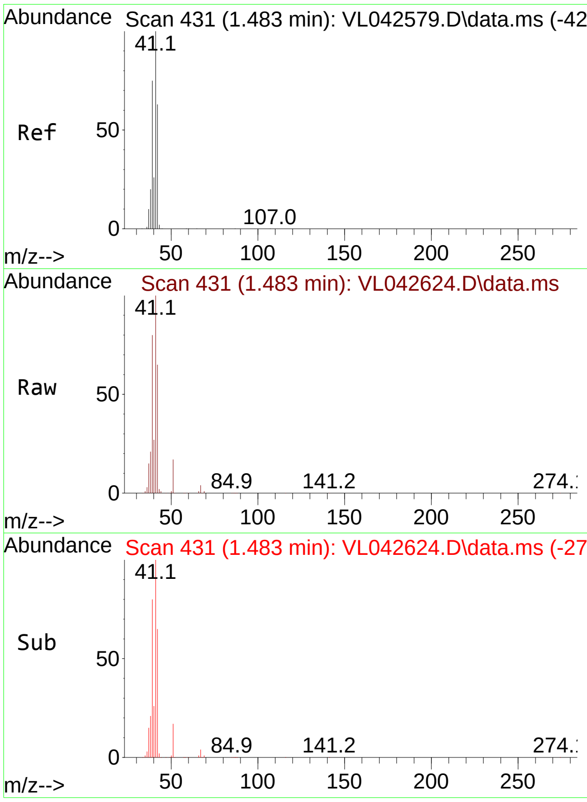


#8
Dichlorotetrafluoroethane
Concen: 10.237 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 85 Resp: 112219

Ion	Ratio	Lower	Upper
85	100		
135	62.4	50.2	75.4





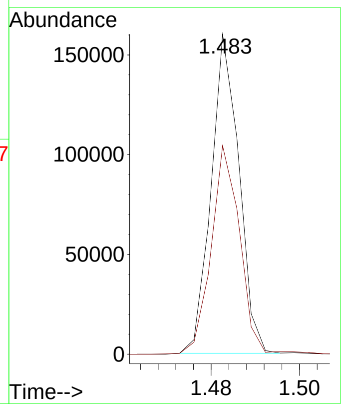
#9
Propene
Concen: 9.581 ppbv
RT: 1.483 min   Scan# 4

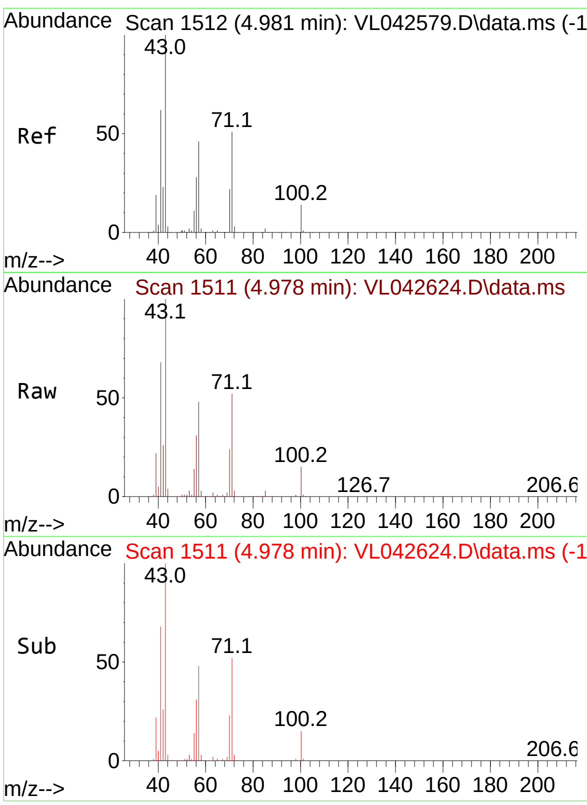
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T.   -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 41 Resp: 69909

Ion	Ratio	Lower	Upper
41	100		
42	67.4	53.3	79.9

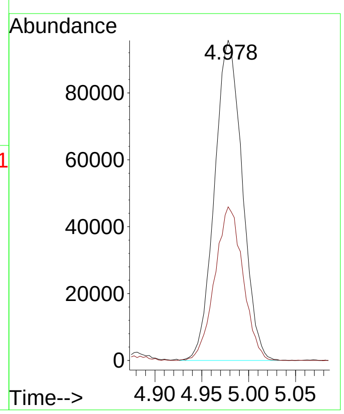


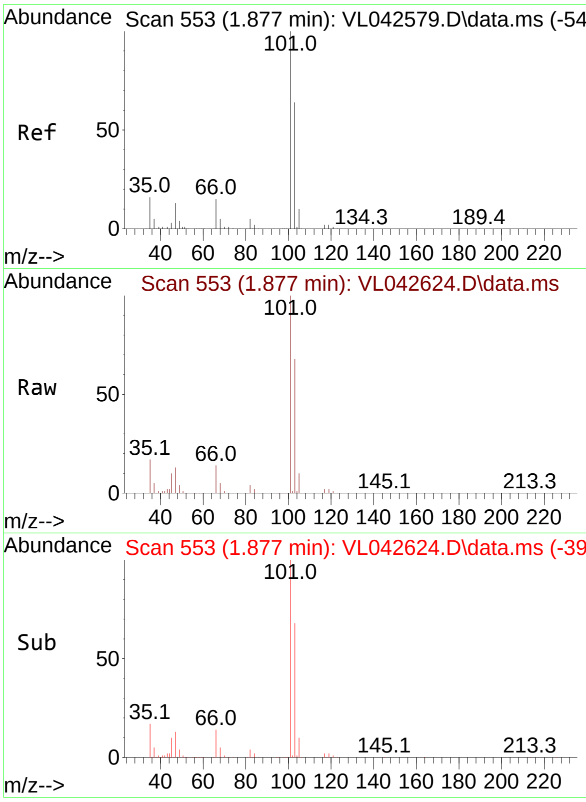


#10
Heptane
Concen: 9.606 ppbv
RT: 4.978 min   Scan# 1511
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 43 Resp: 197588

Ion	Ratio	Lower	Upper
43	100		
57	48.6	38.9	58.3



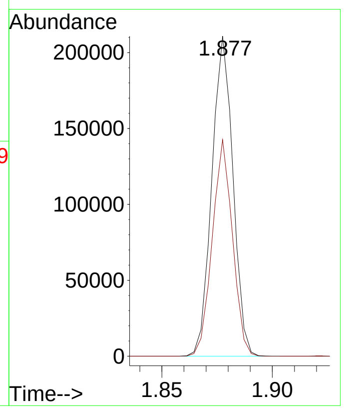


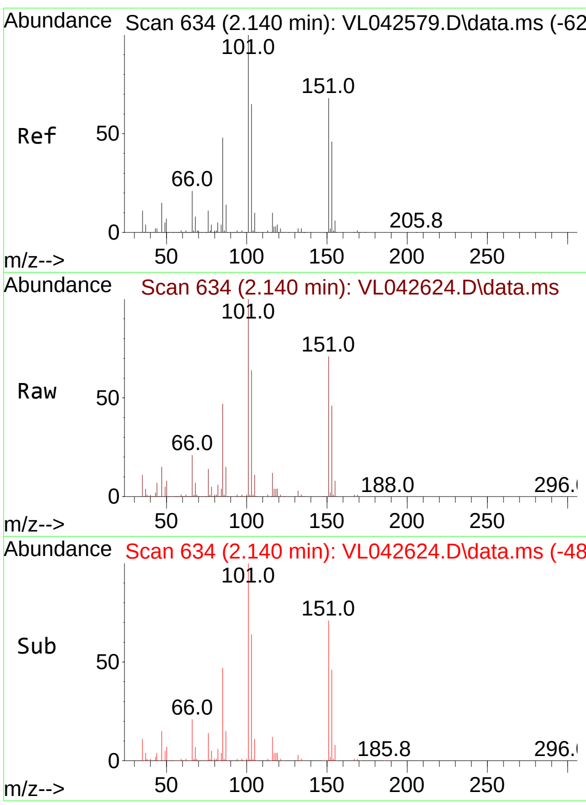
#11
Trichlorofluoromethane
Concen: 11.443 ppbv
RT: 1.877 min Scan# 5!
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:101 Resp: 140074

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.5	77.3

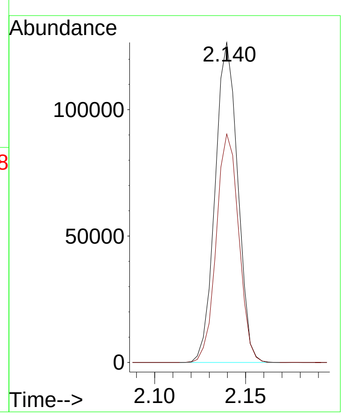


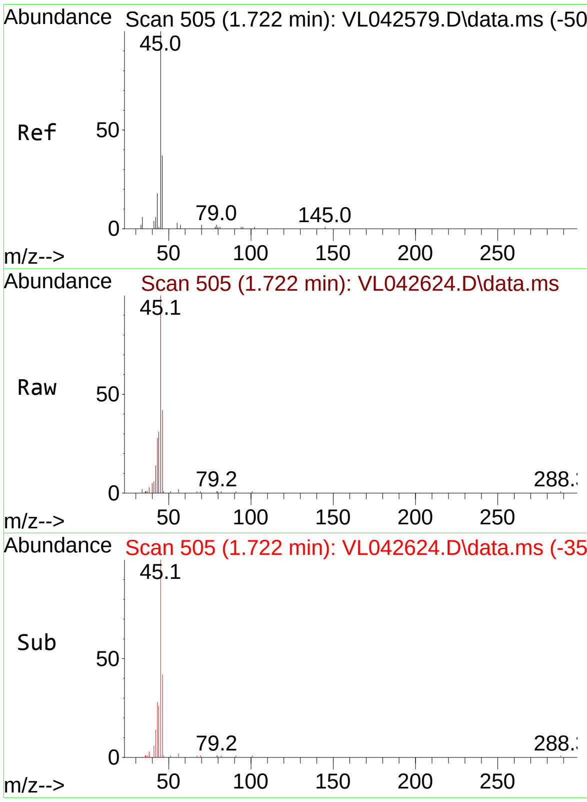


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.392 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:101 Resp: 109502

Ion	Ratio	Lower	Upper
101	100		
151	70.9	55.3	82.9



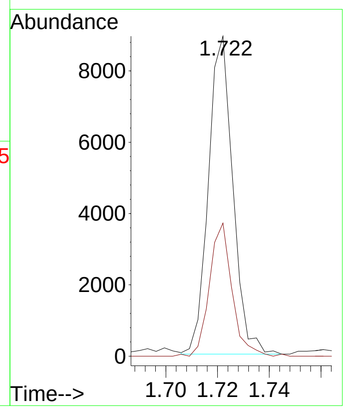


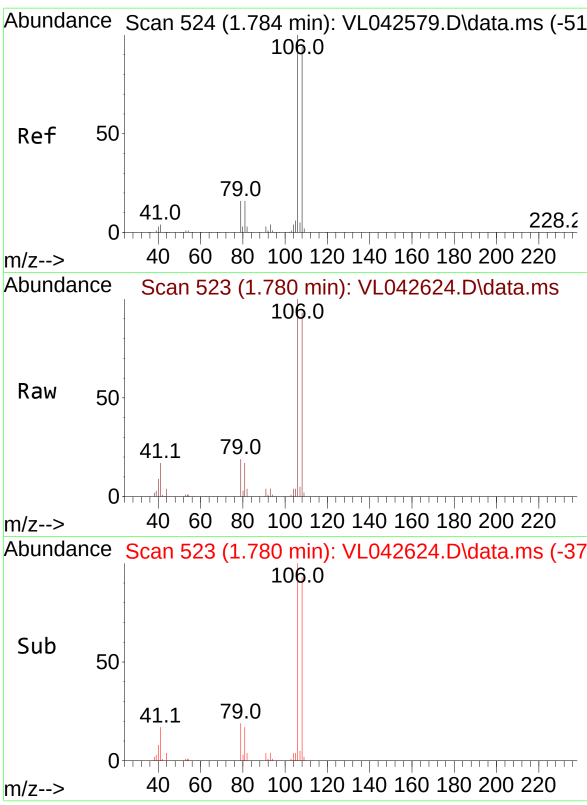
#13
Ethanol
Concen: 6.751 ppbv
RT: 1.722 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 45 Resp: 5871

Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.5	58.1

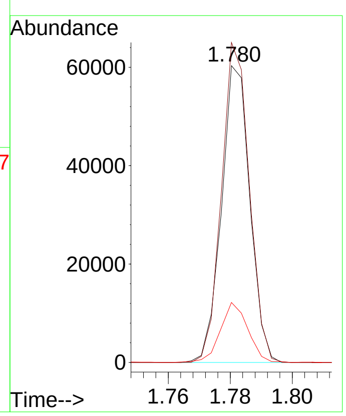


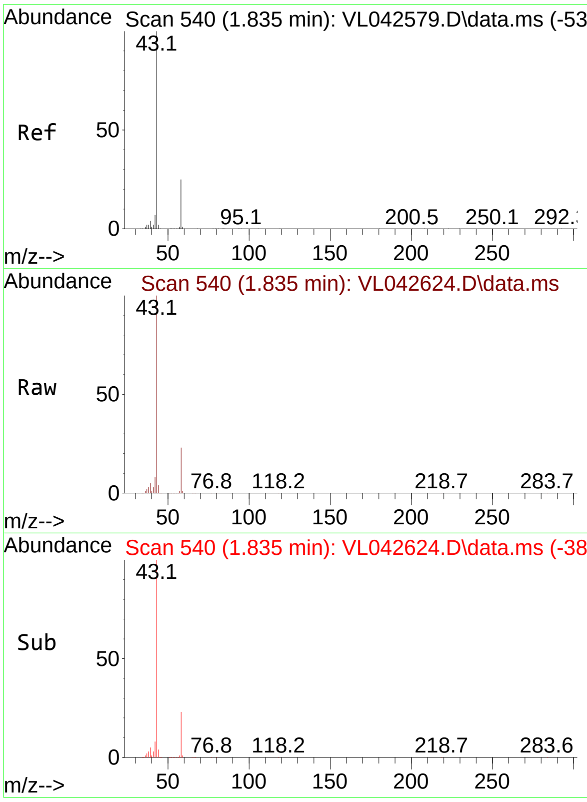


#14
Bromoethene
Concen: 10.631 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:108 Resp: 38439

Ion	Ratio	Lower	Upper
108	100		
106	105.1	87.9	131.9
79	20.0	15.6	23.4



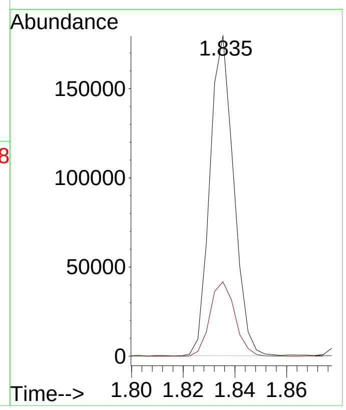


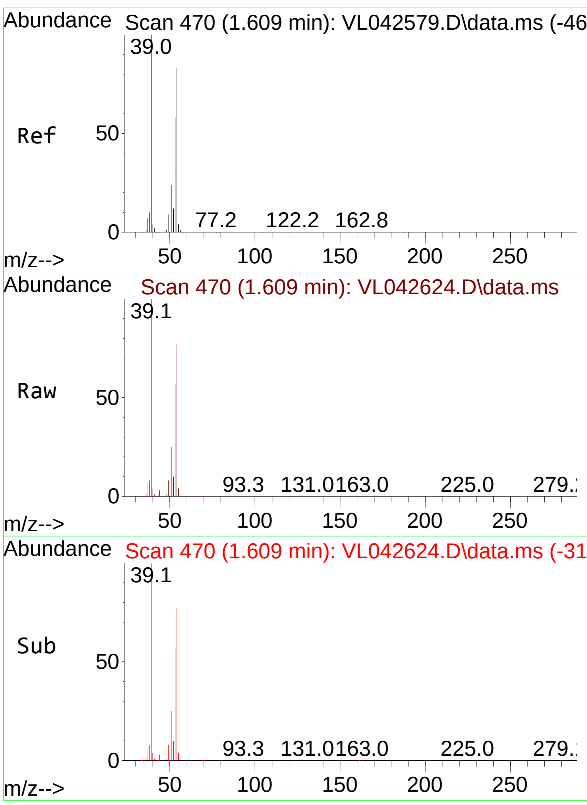
#15
Acetone
Concen: 8.900 ppbv
RT: 1.835 min   Scan# 54
Delta R.T.   -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 114754

Ion	Ratio	Lower	Upper
43	100		
58	24.4	21.0	31.4

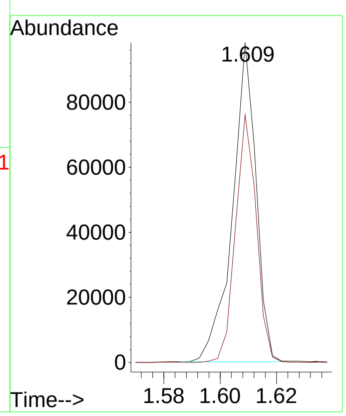


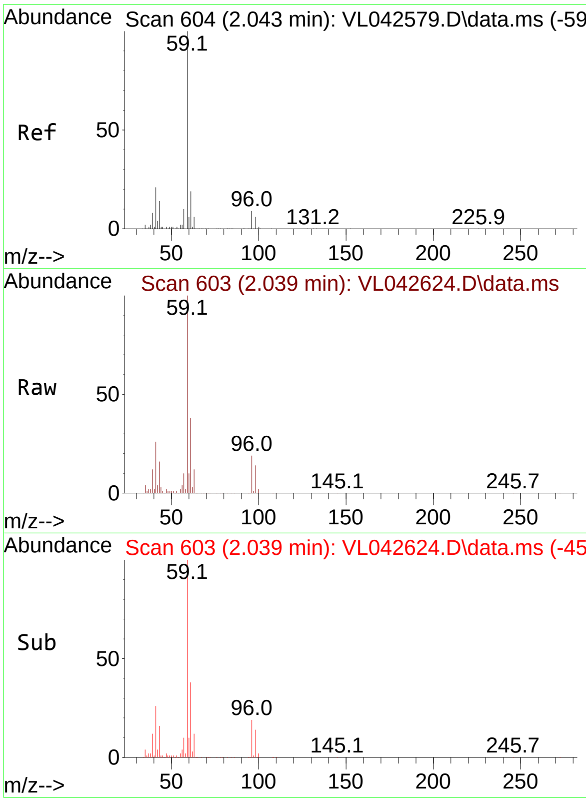


#16
1,3-Butadiene
Concen: 9.311 ppbv
RT: 1.609 min   Scan# 470
Delta R.T.   -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 39 Resp: 56873

Ion	Ratio	Lower	Upper
39	100		
54	68.9	57.9	86.9



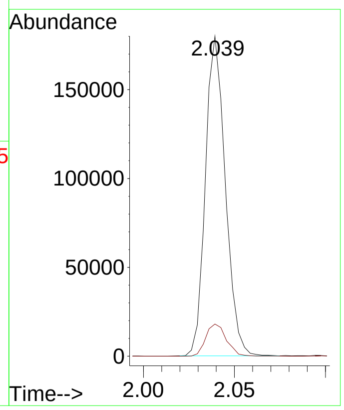


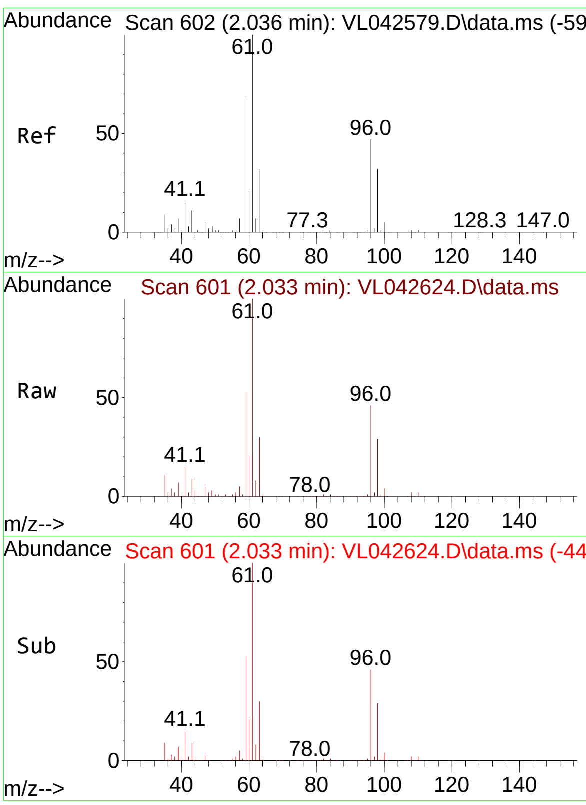
#17
tert-Butyl alcohol
Concen: 10.240 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 59 Resp: 137548

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

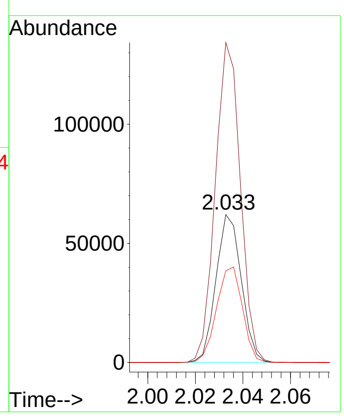


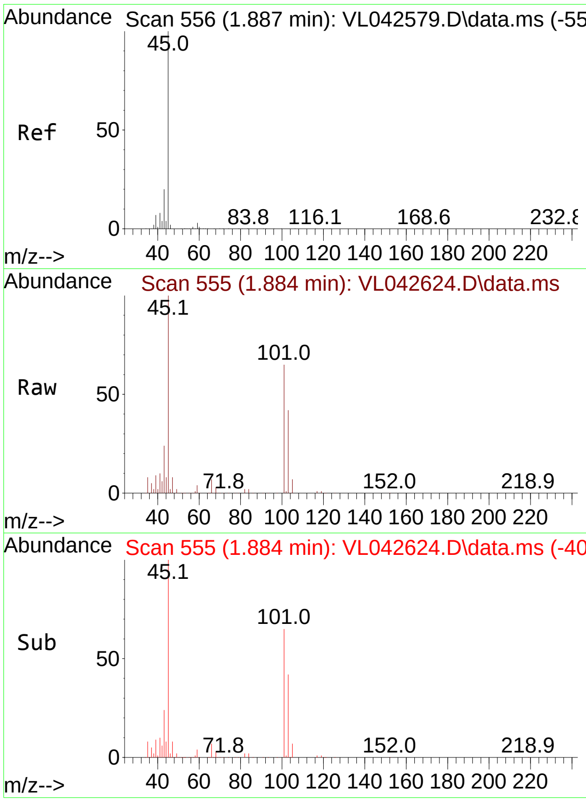


#18
1,1-Dichloroethene
Concen: 10.304 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 96 Resp: 45907

Ion	Ratio	Lower	Upper
96	100		
61	216.3	171.1	256.7
98	62.0	54.4	81.6



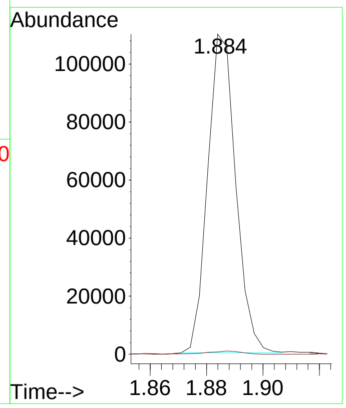


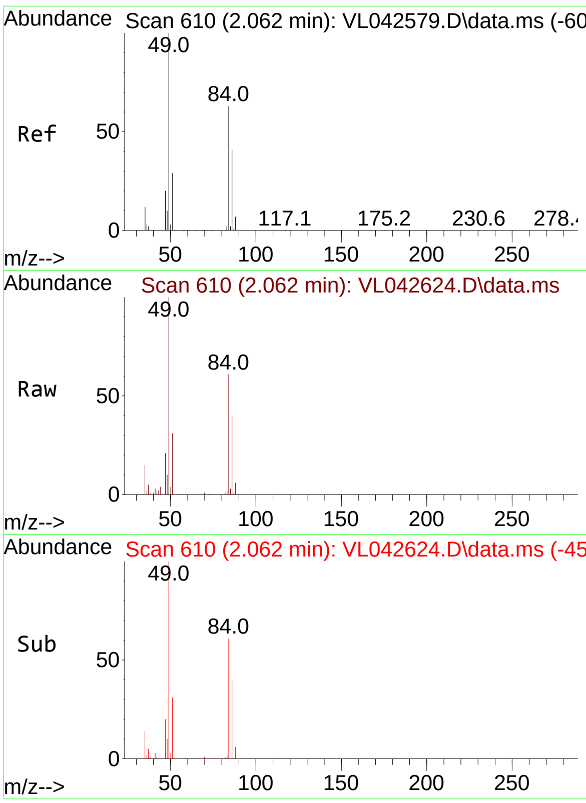
#19
Isopropyl Alcohol
Concen: 9.852 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 45 Resp: 75945

Ion	Ratio	Lower	Upper
45	100		
58	36.9	29.4	44.2

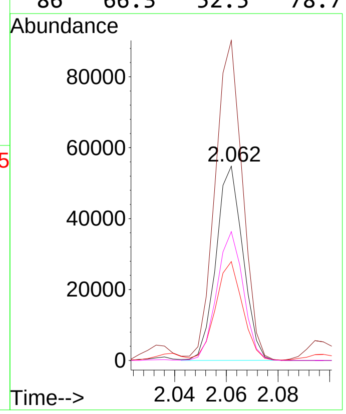


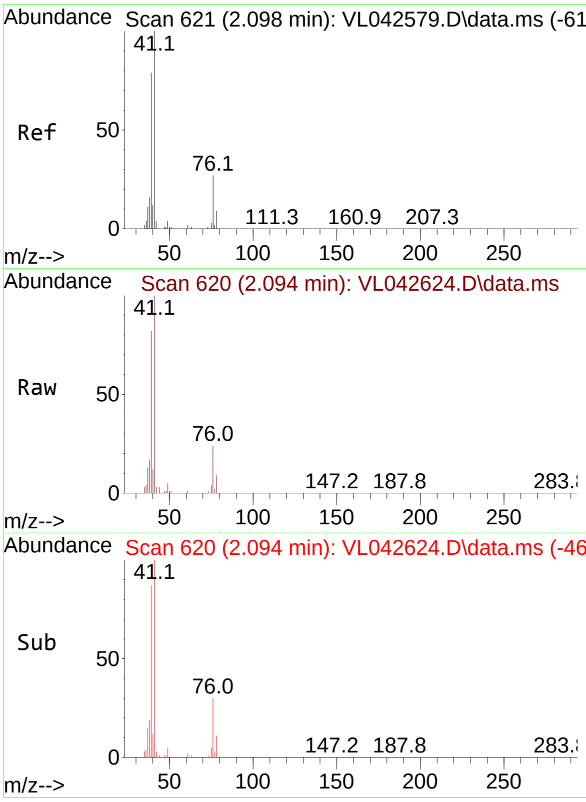


#20
Methylene Chloride
Concen: 9.285 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 84 Resp: 39509

Ion	Ratio	Lower	Upper
84	100		
49	164.7	128.8	193.2
51	50.7	38.6	57.8
86	66.3	52.5	78.7



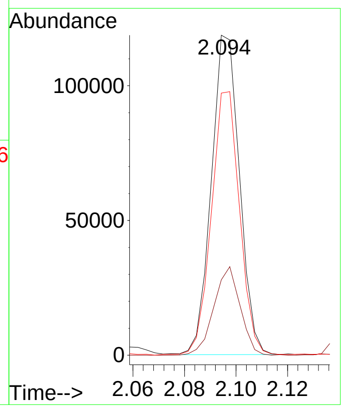


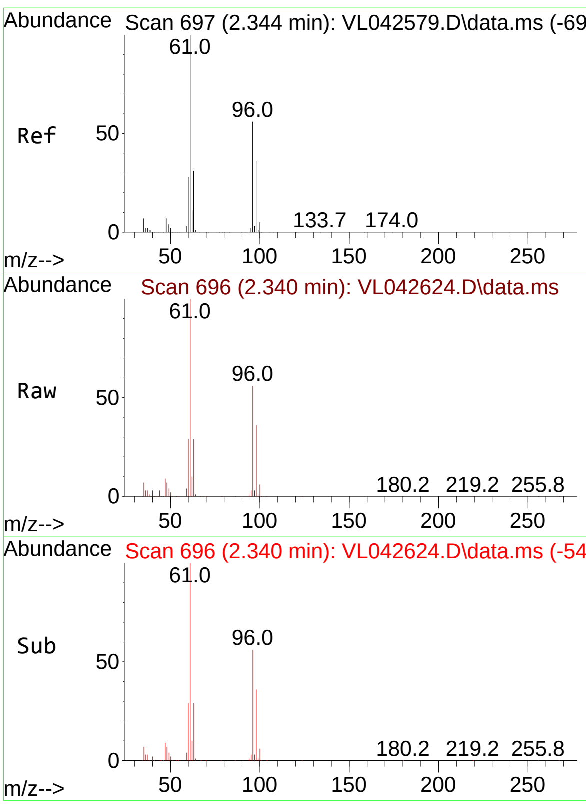
#21
Allyl Chloride
Concen: 9.897 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 41 Resp: 90040

Ion	Ratio	Lower	Upper
41	100		
76	25.8	21.2	31.8
39	82.5	60.9	91.3

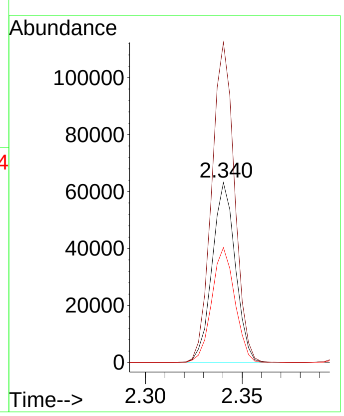


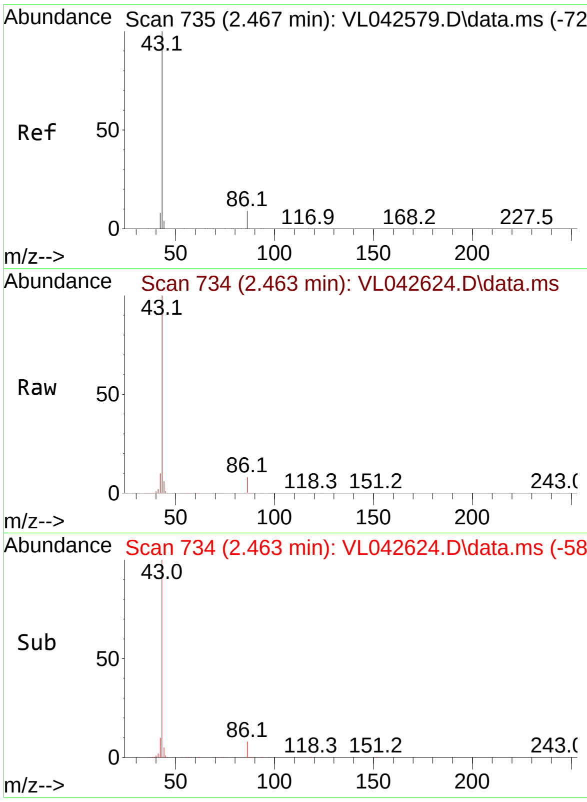


#22
trans-1,2-Dichloroethene
Concen: 10.574 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 96 Resp: 52622

Ion	Ratio	Lower	Upper
96	100		
61	177.8	142.6	214.0
98	63.9	51.0	76.4



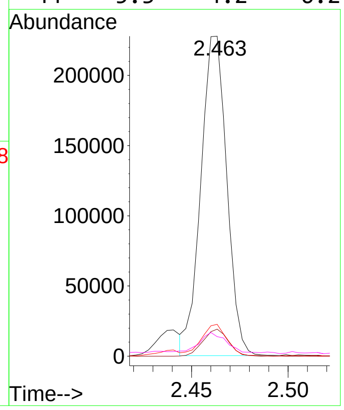


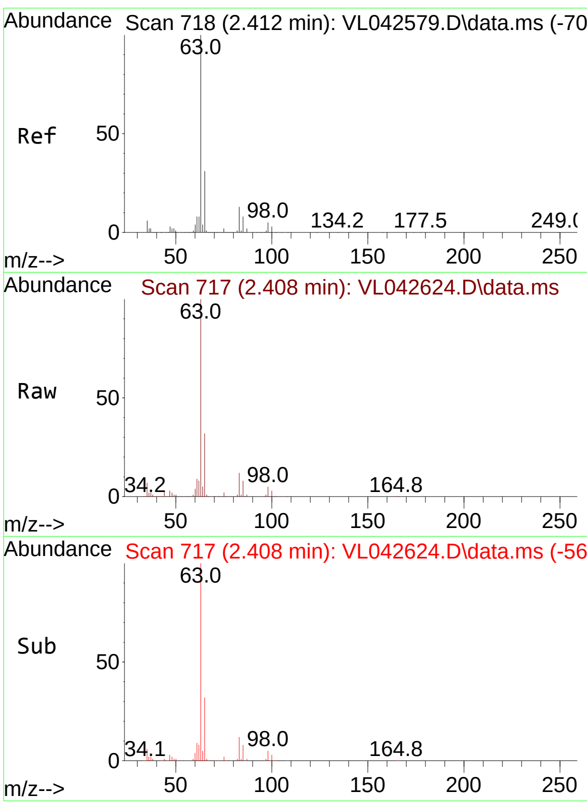
#23
Vinyl Acetate
Concen: 12.211 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 212830

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8
42	9.8	7.0	10.4
44	5.3	4.2	6.2

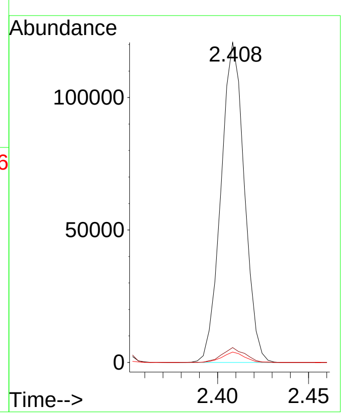


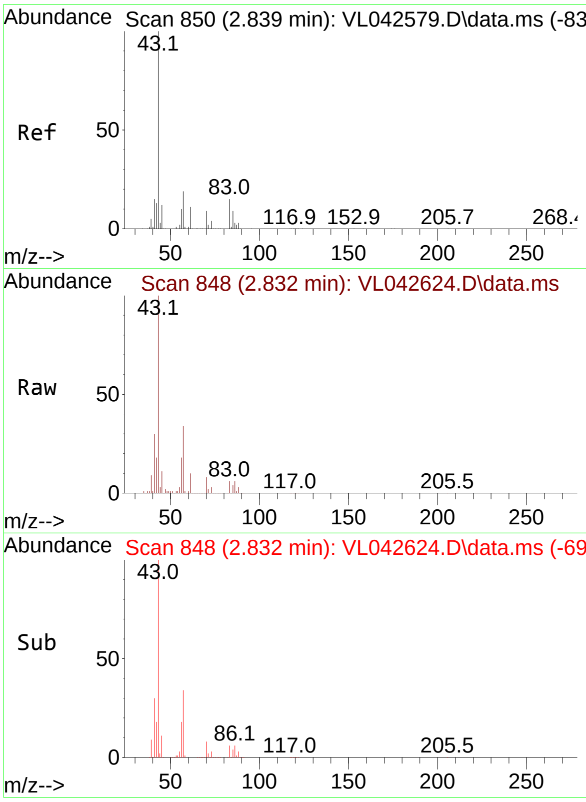


#24
1,1-Dichloroethane
Concen: 10.572 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 63 Resp: 108253

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	3.3	1.4	4.0



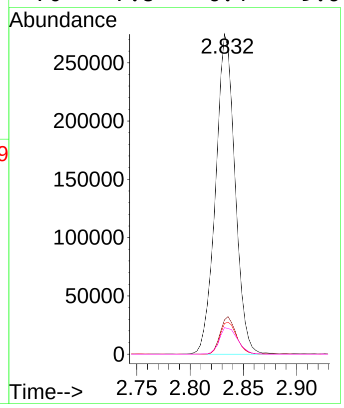


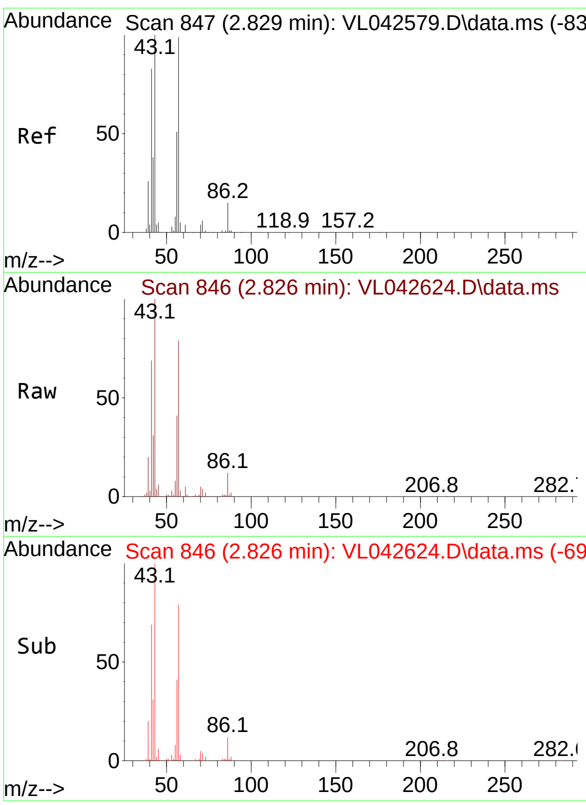
#25
Ethyl Acetate
Concen: 9.887 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 348882

Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.2	12.2
61	8.7	7.1	10.7
70	7.8	6.4	9.6

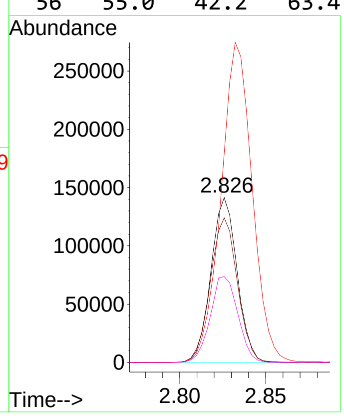


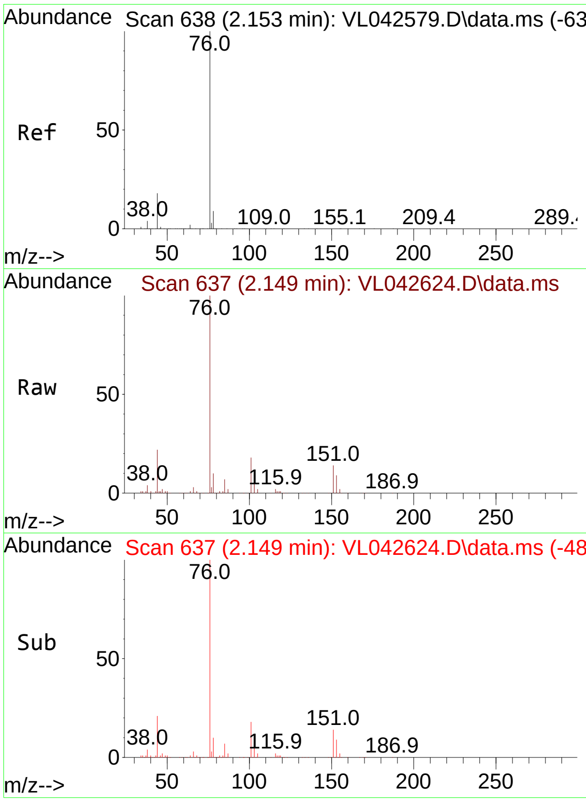


#26
Hexane
Concen: 9.338 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 57 Resp: 149725

Ion	Ratio	Lower	Upper
57	100		
41	91.7	70.6	106.0
43	233.3	181.1	271.7
56	55.0	42.2	63.4





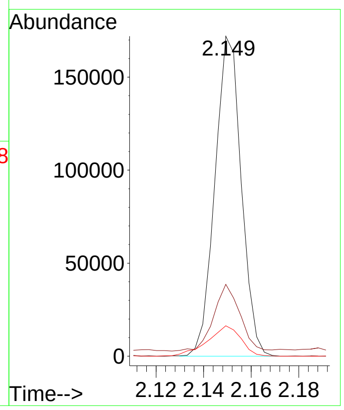
#27
Carbon Disulfide
Concen: 10.763 ppbv
RT: 2.149 min   Scan# 6

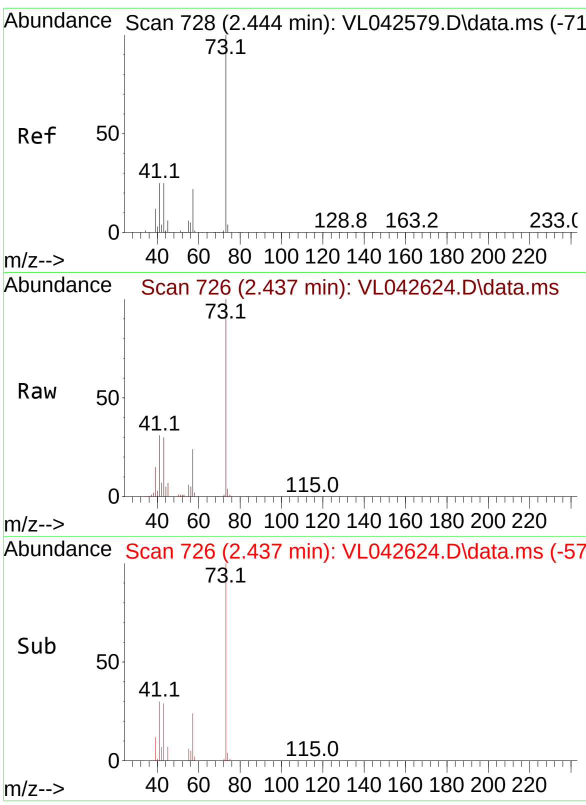
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 76 Resp: 132478

Ion	Ratio	Lower	Upper
76	100		
44	20.8	21.3	31.9#
78	11.9	9.4	14.0

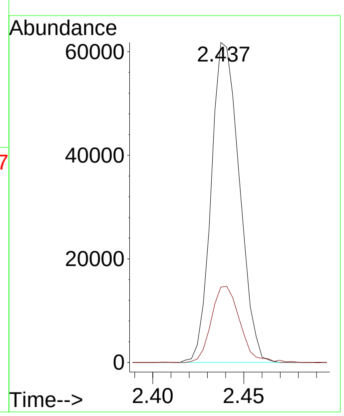


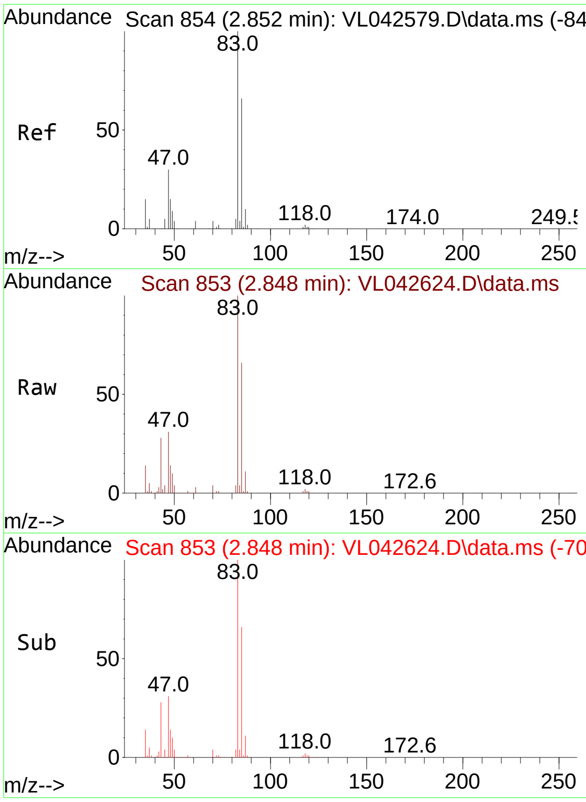


#28
Methyl tert-Butyl Ether
Concen: 10.228 ppbv
RT: 2.437 min   Scan# 726
Delta R.T.   -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 73 Resp: 66546

Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.9	29.9





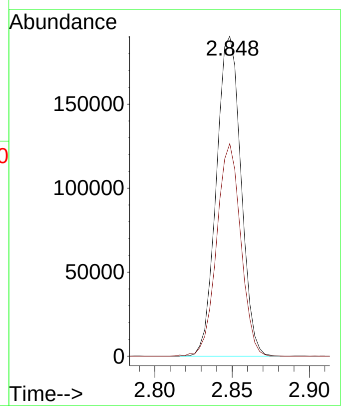
#29
Chloroform
Concen: 10.104 ppbv
RT: 2.848 min Scan# 8

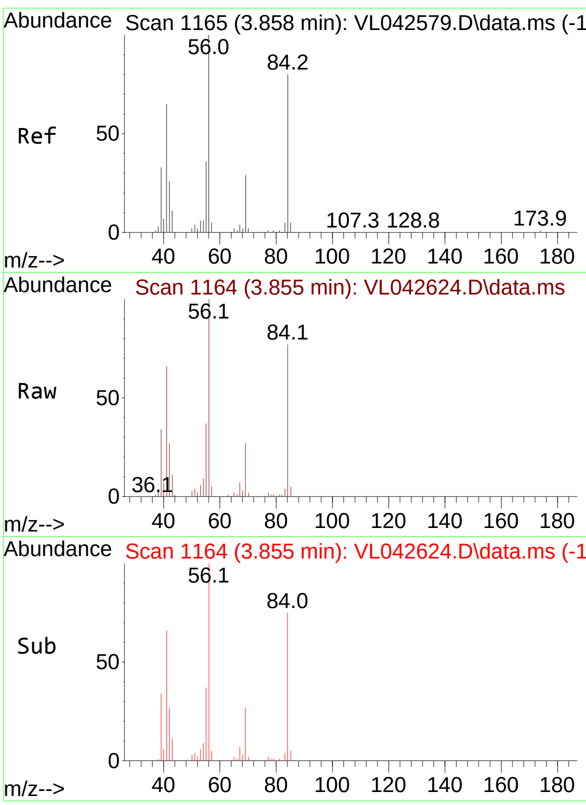
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 83 Resp: 210668

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.8	79.2

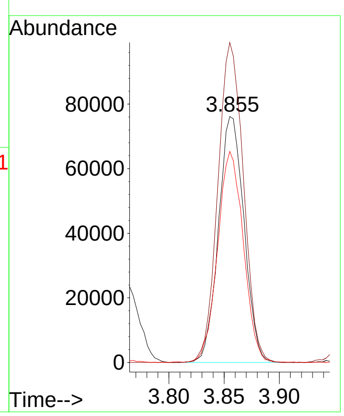


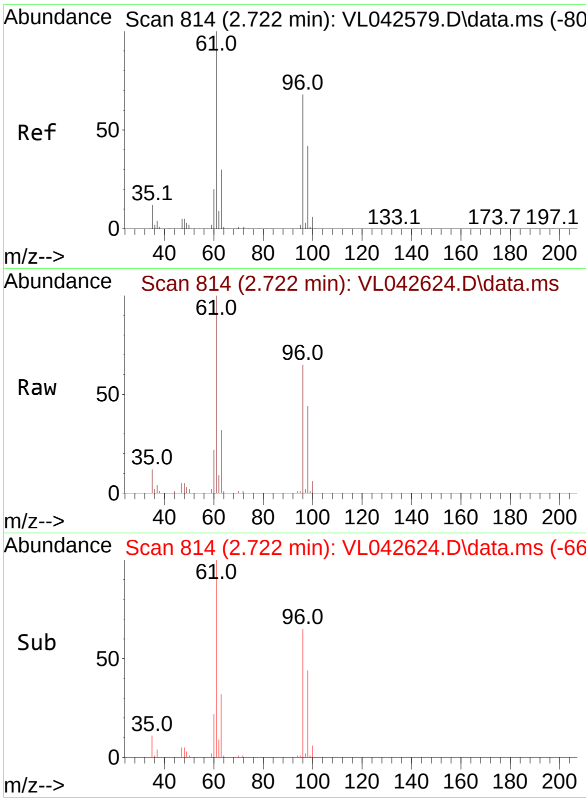


#30
Cyclohexane
Concen: 9.213 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 84 Resp: 122467

Ion	Ratio	Lower	Upper
84	100		
56	130.2	103.7	155.5
41	86.7	65.1	97.7



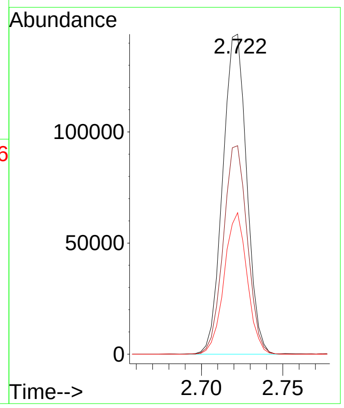


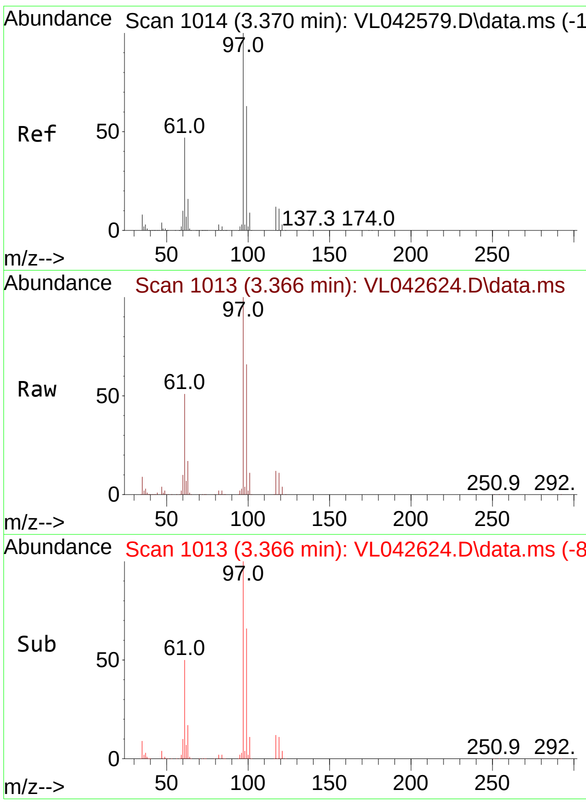
#31
cis-1,2-Dichloroethene
Concen: 10.037 ppbv
RT: 2.722 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 61 Resp: 147213

Ion	Ratio	Lower	Upper
61	100		
96	65.2	54.5	81.7
98	44.2	33.4	50.2

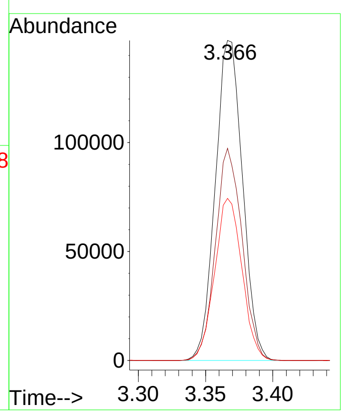


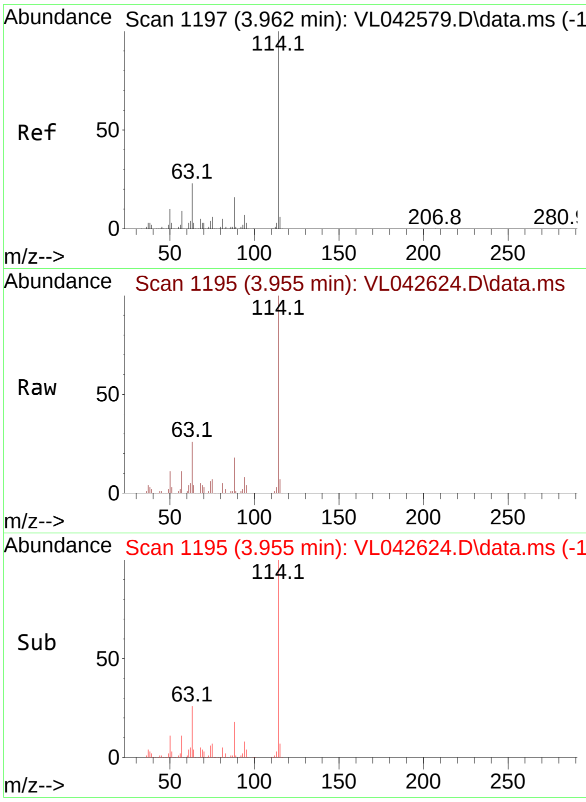


#32
1,1,1-Trichloroethane
Concen: 9.740 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 97 Resp: 207491

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	50.9	39.4	59.0



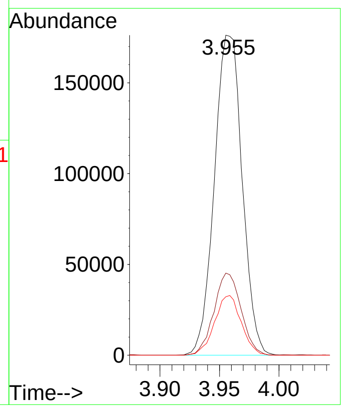


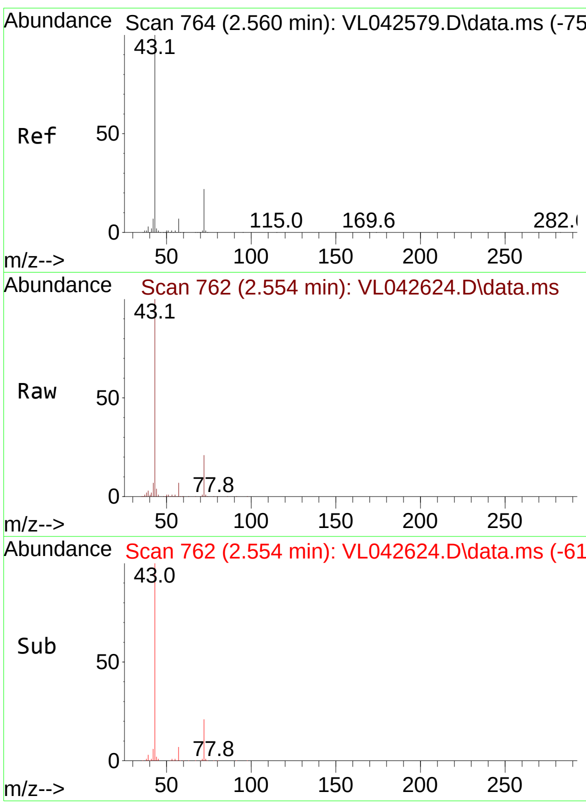
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:114 Resp: 286719

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.9	13.6	20.4

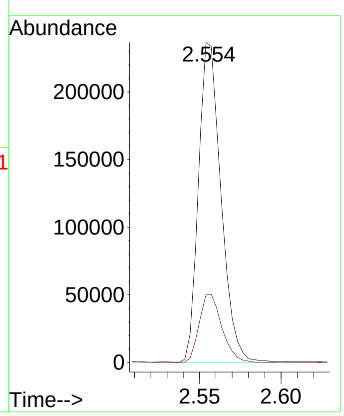


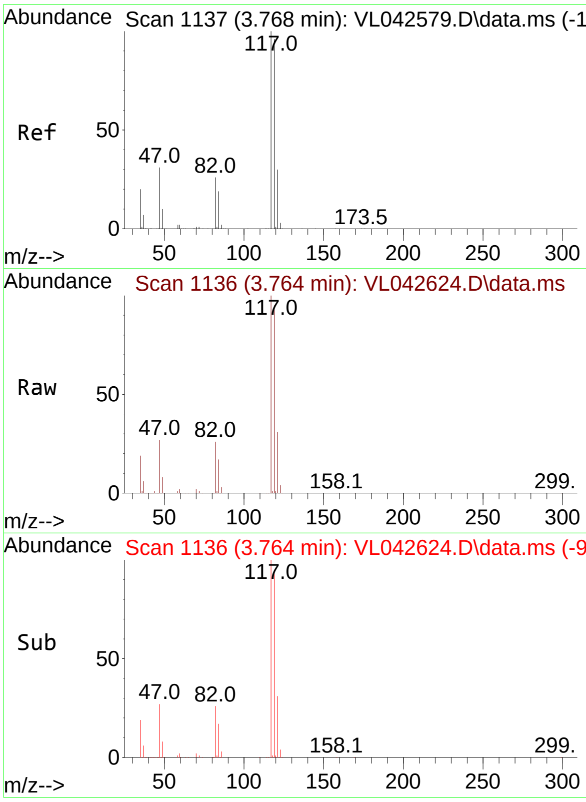


#34
2-Butanone
Concen: 11.091 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 226773

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5



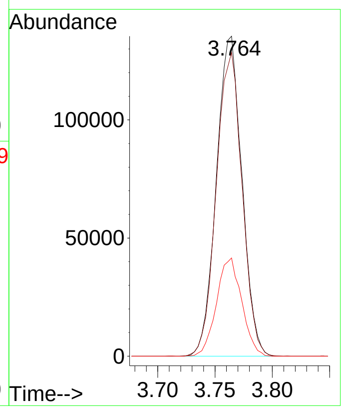


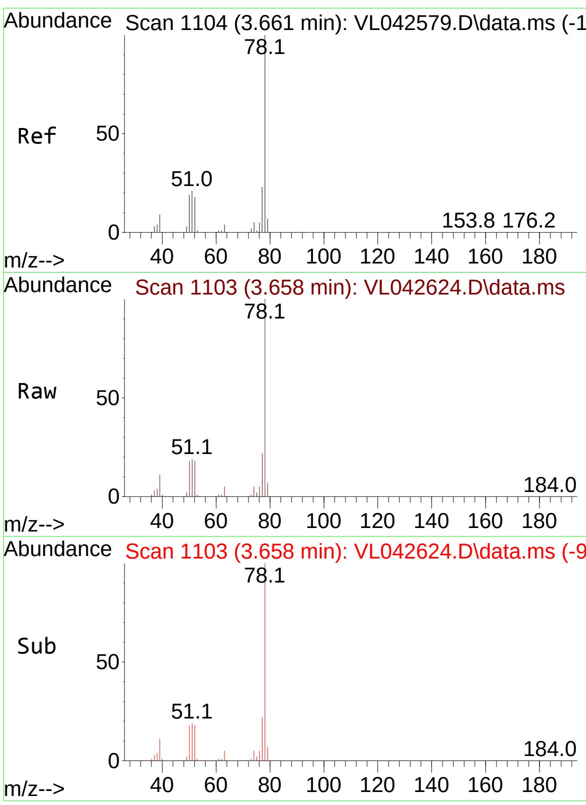
#35
Carbon Tetrachloride
Concen: 11.107 ppbv
RT: 3.764 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:117 Resp: 210222

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.8	115.2
121	30.7	24.3	36.5

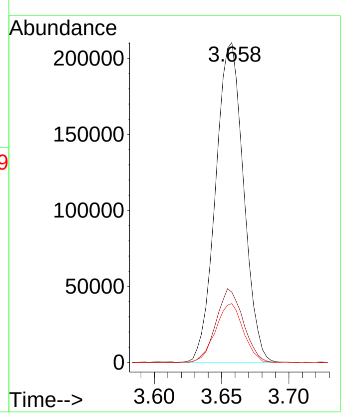


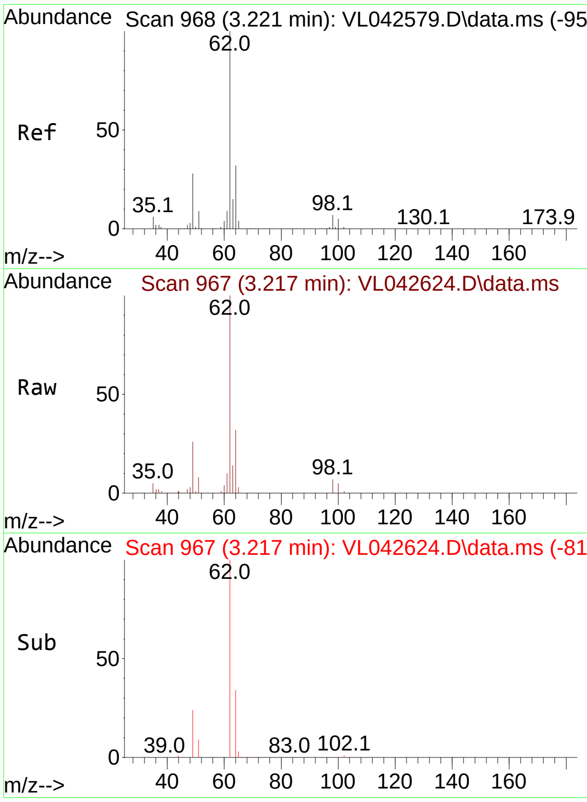


#36
Benzene
Concen: 10.780 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 78 Resp: 304362

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.2	27.2
50	18.4	15.2	22.8



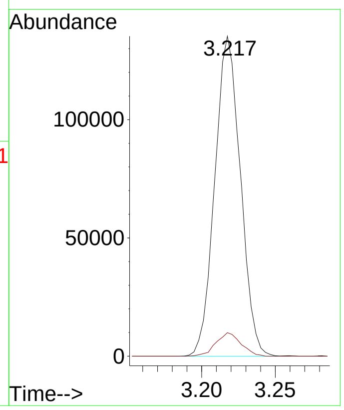


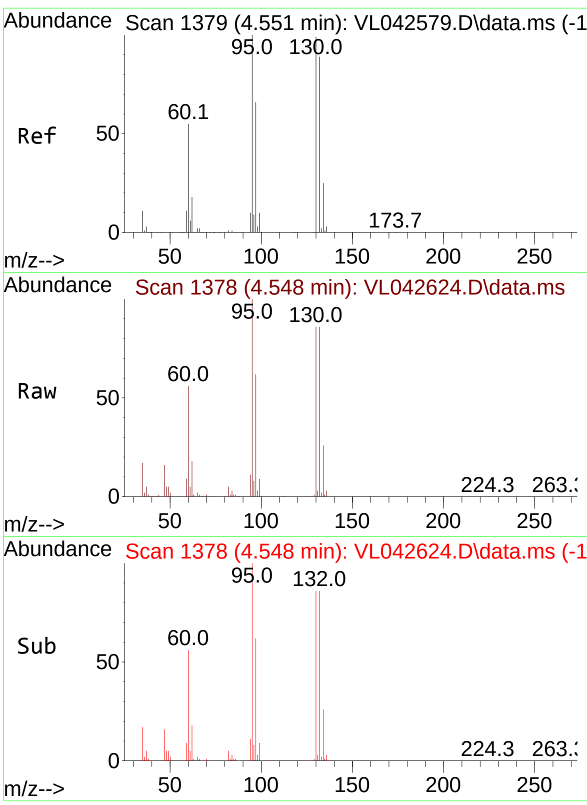
#37
1,2-Dichloroethane
Concen: 11.680 ppbv
RT: 3.217 min Scan# 9[illegible]
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 62 Resp: 163904

Ion	Ratio	Lower	Upper
62	100		
98	7.2	6.1	9.1

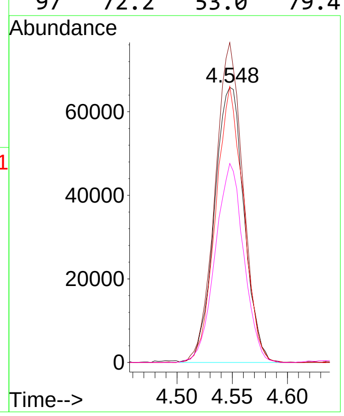


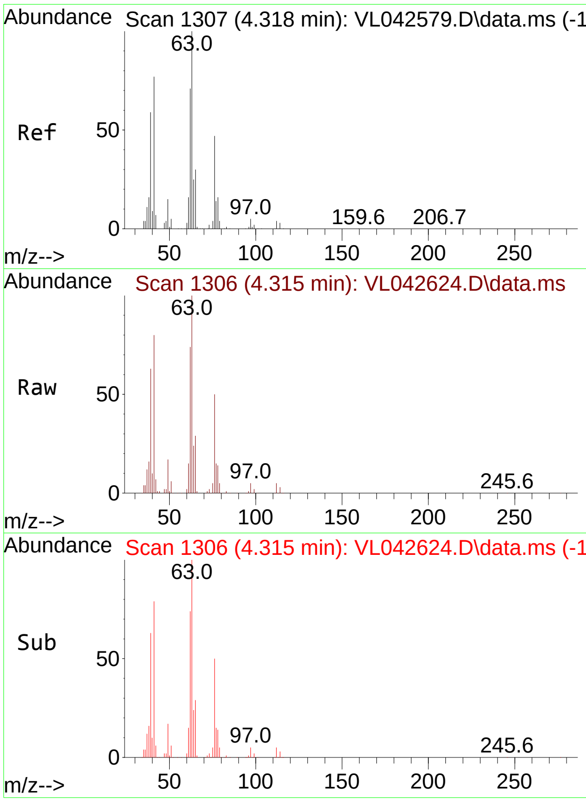


#38
Trichloroethene
Concen: 10.210 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:130 Resp: 122527

Ion	Ratio	Lower	Upper
130	100		
95	116.0	80.6	121.0
132	100.1	71.8	107.6
97	72.2	53.0	79.4



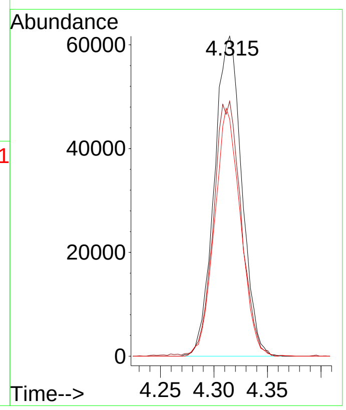


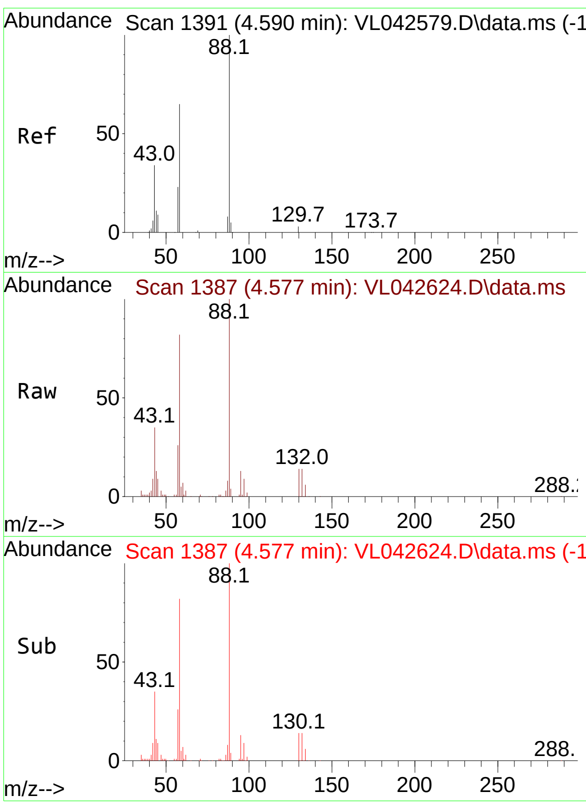
#39
1,2-Dichloropropane
Concen: 10.579 ppbv
RT: 4.315 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 63 Resp: 110459

Ion	Ratio	Lower	Upper
63	100		
41	79.5	61.8	92.6
62	74.0	56.6	85.0

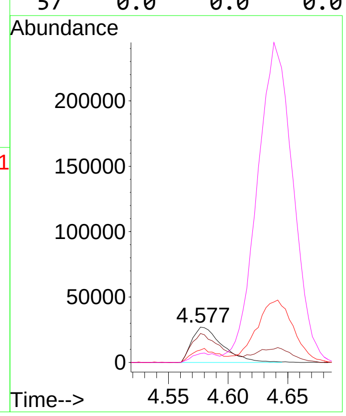


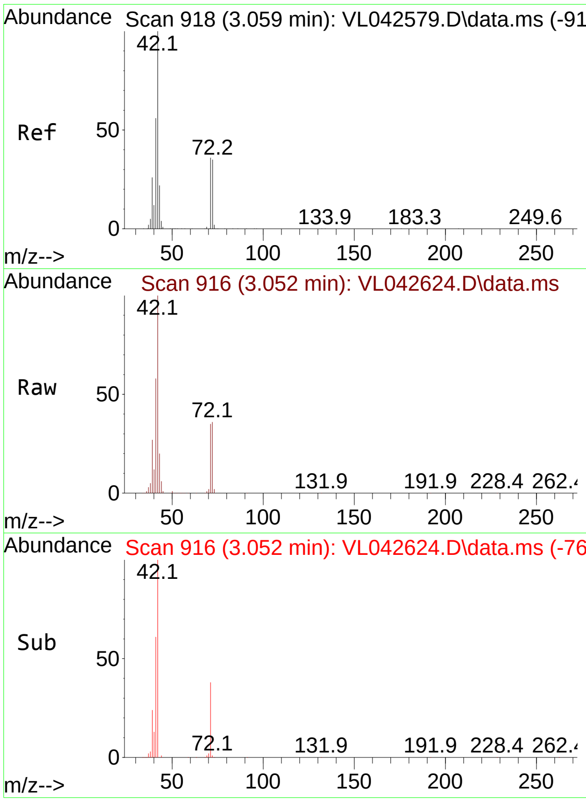


#40
1,4-Dioxane
Concen: 10.339 ppbv
RT: 4.577 min   Scan# 1387
Delta R.T.   -0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion: 88 Resp: 48307

Ion	Ratio	Lower	Upper
88	100		
58	81.6	55.8	83.8
43	31.7	24.8	37.2
57	0.0	0.0	0.0



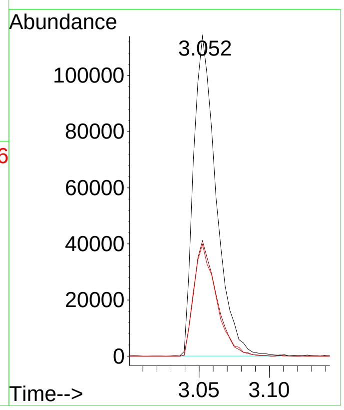


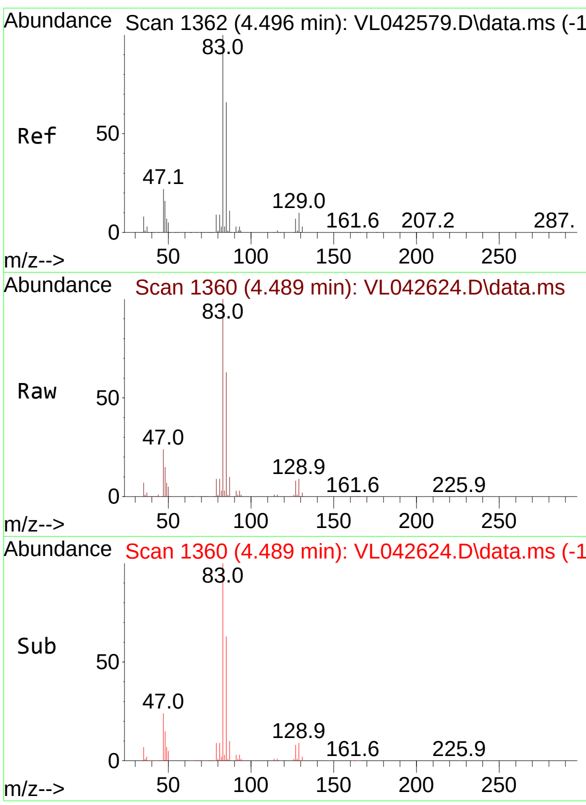
#41
Tetrahydrofuran
Concen: 10.699 ppbv
RT: 3.052 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 42 Resp: 128060

Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.9	43.3
71	35.0	28.5	42.7

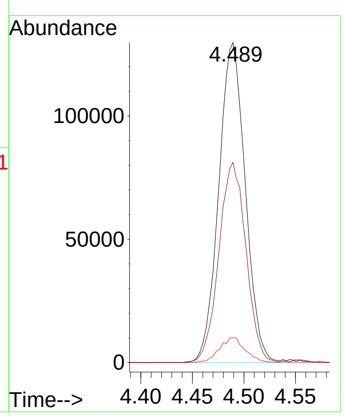


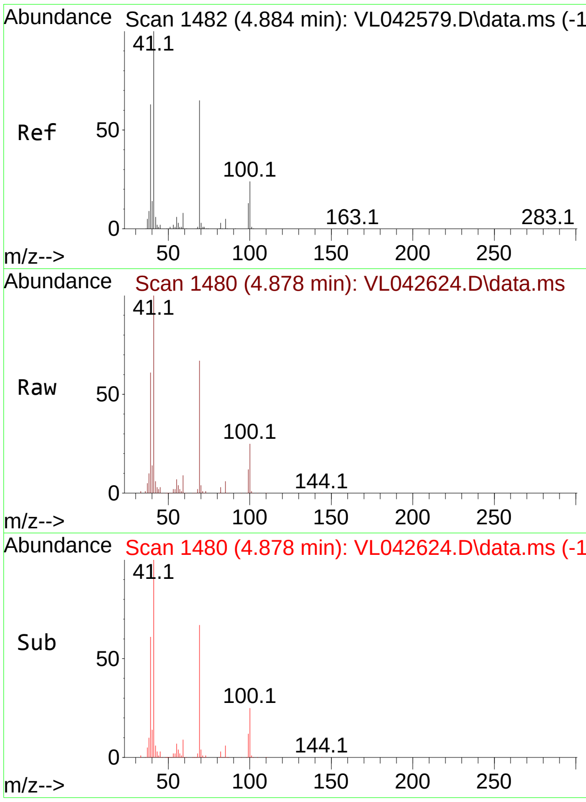


#42
Bromodichloromethane
Concen: 11.667 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 83 Resp: 232526

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.7	79.1
127	7.7	5.8	8.6



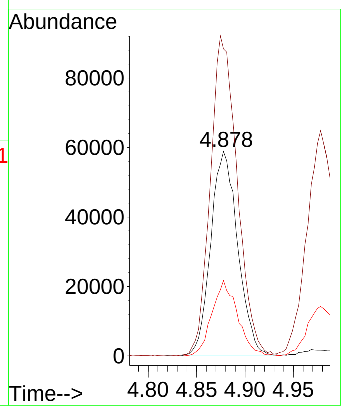


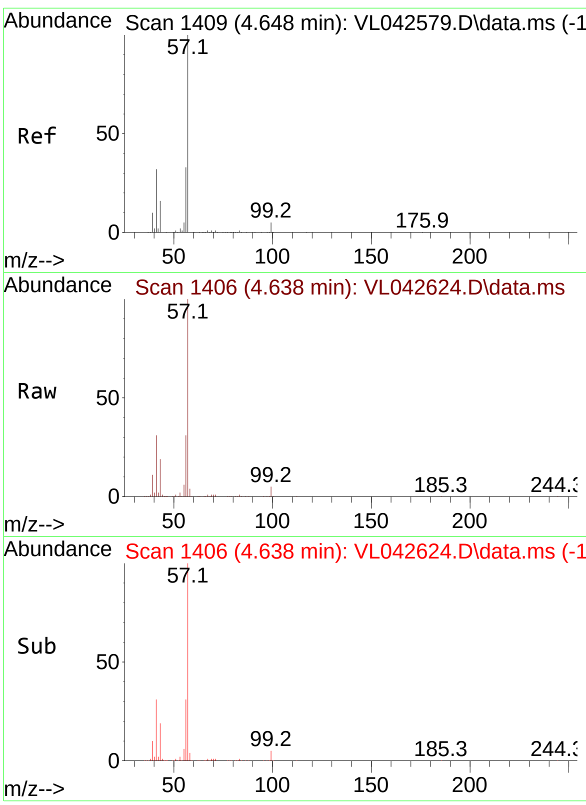
#43
Methyl Methacrylate
Concen: 10.474 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 69 Resp: 114782

Ion	Ratio	Lower	Upper
69	100		
41	155.7	124.6	187.0
100	35.0	29.9	44.9

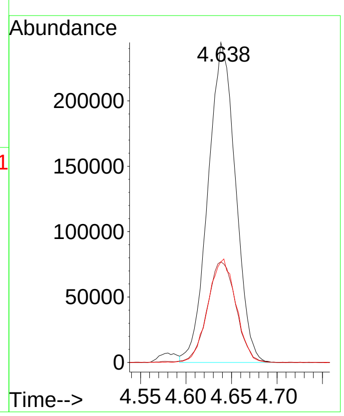


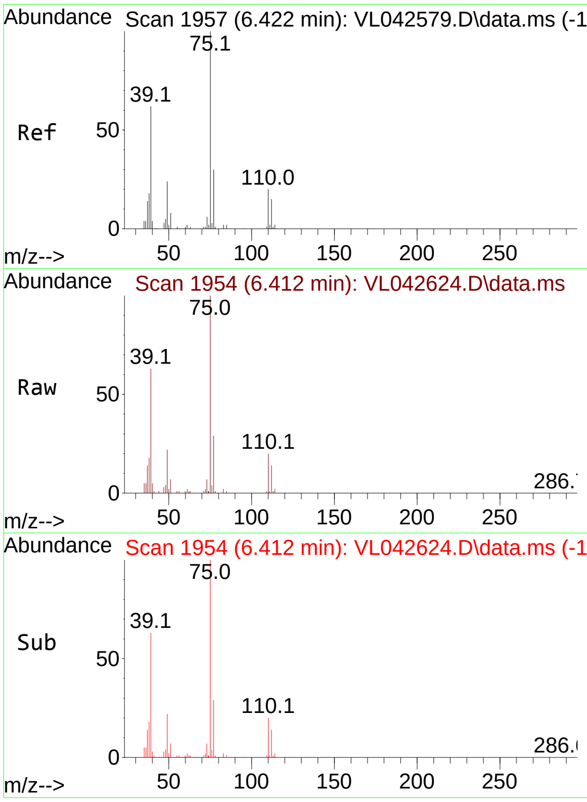


#44
2,2,4-Trimethylpentane
Concen: 10.650 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 57 Resp: 514353

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.1	39.1
56	32.9	25.9	38.9



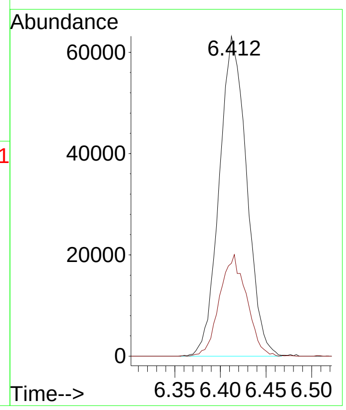


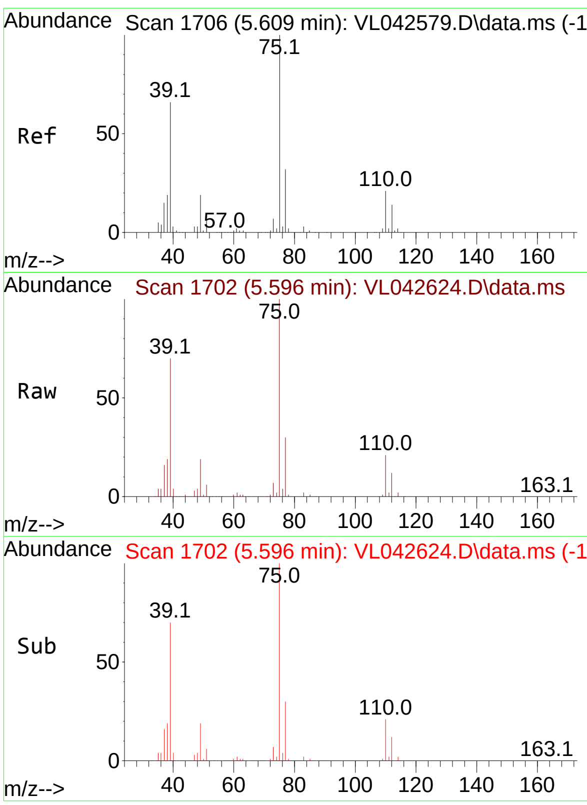
#45
t-1,3-Dichloropropene
Concen: 10.542 ppbv
RT: 6.412 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 75 Resp: 132193

Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.2	36.2

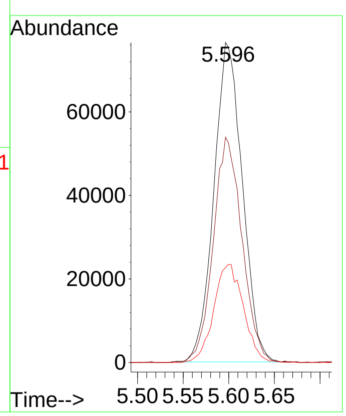


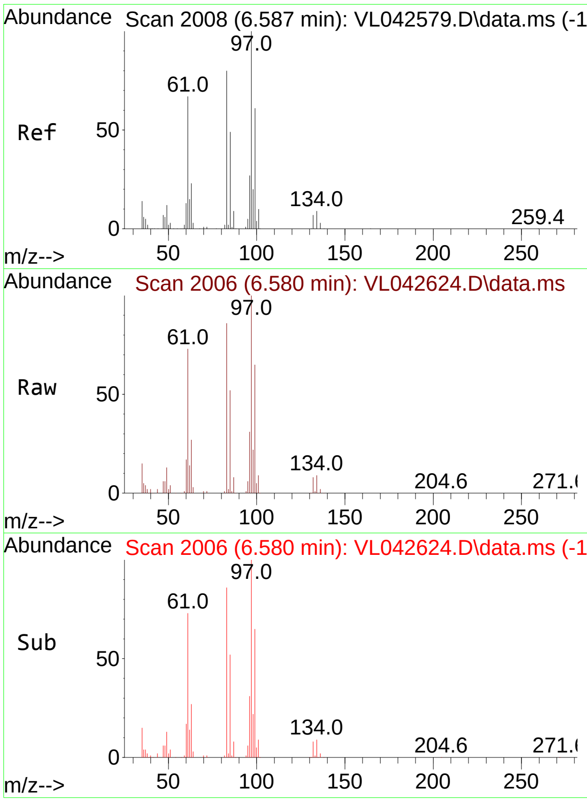


#46
cis-1,3-Dichloropropene
Concen: 10.565 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.013 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 75 Resp: 166004

Ion	Ratio	Lower	Upper
75	100		
39	70.4	52.7	79.1
77	29.7	25.8	38.8



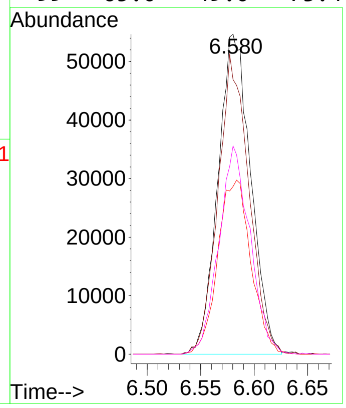


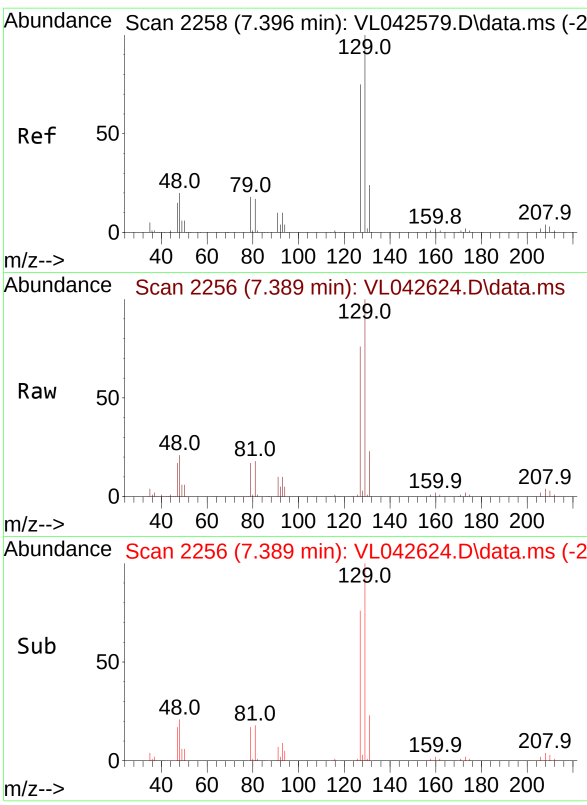
#47
1,1,2-Trichloroethane
Concen: 10.792 ppbv
RT: 6.580 min Scan# 2(
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 97 Resp: 116650

Ion	Ratio	Lower	Upper
97	100		
83	85.8	63.9	95.9
85	52.4	39.2	58.8
99	65.0	49.0	73.4

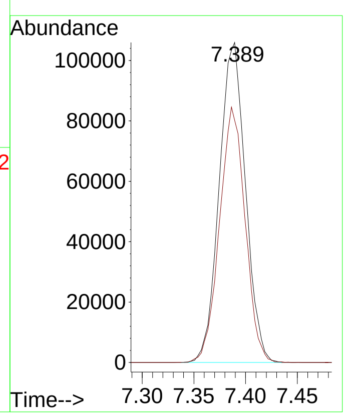


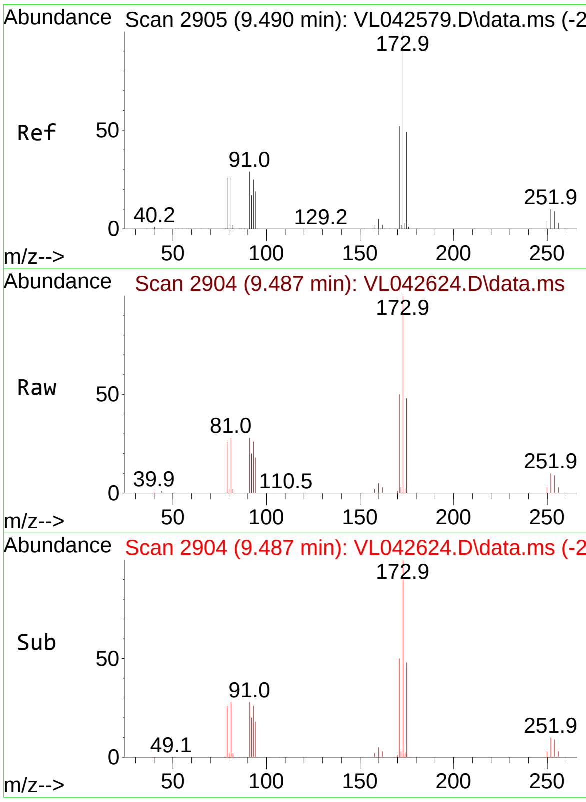


#48
Dibromochloromethane
Concen: 10.821 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:129 Resp: 187227

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	116.9



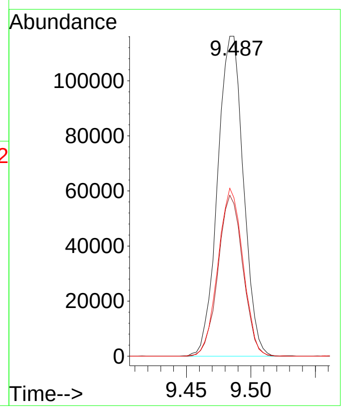


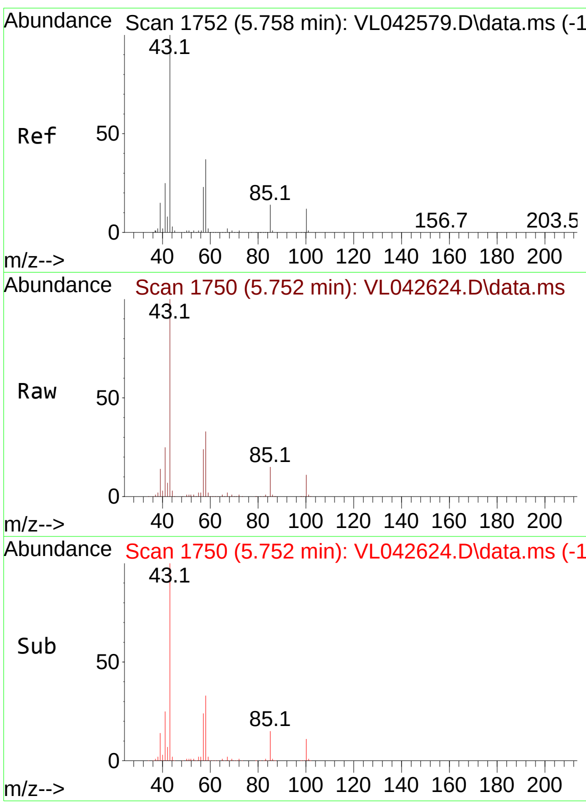
#49
Bromoform
Concen: 10.844 ppbv
RT: 9.487 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:173 Resp: 161902

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
171	50.9	41.2	61.8

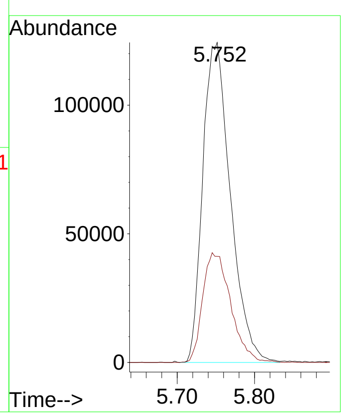


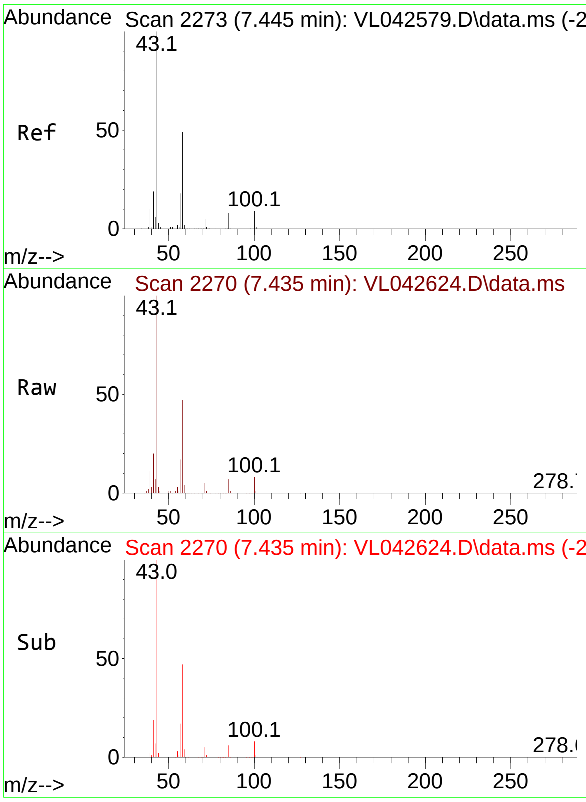


#50
4-Methyl-2-Pentanone
Concen: 10.917 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 309608

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.3	42.5



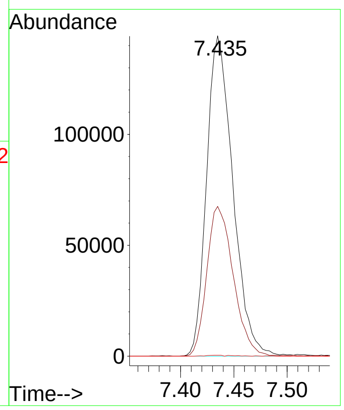


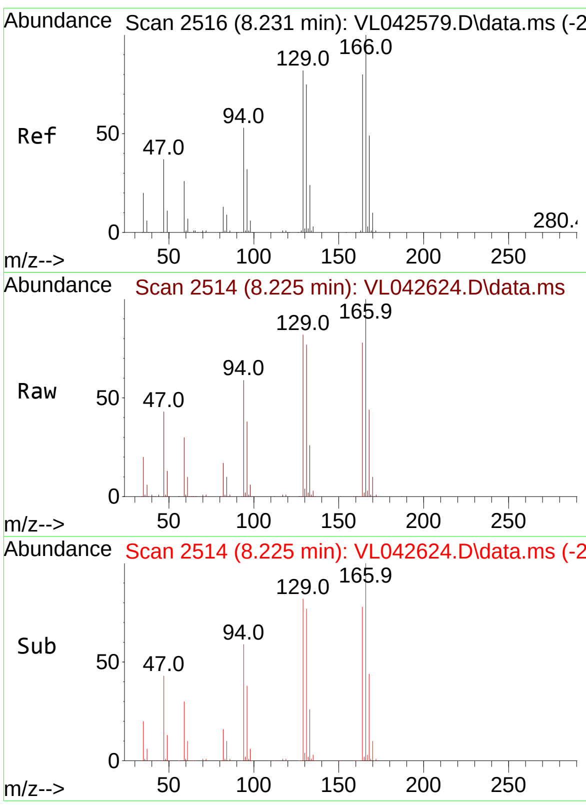
#51
2-Hexanone
Concen: 10.989 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 43 Resp: 247186

Ion	Ratio	Lower	Upper
43	100		
58	47.5	39.9	59.9
98	0.3	0.1	0.1#

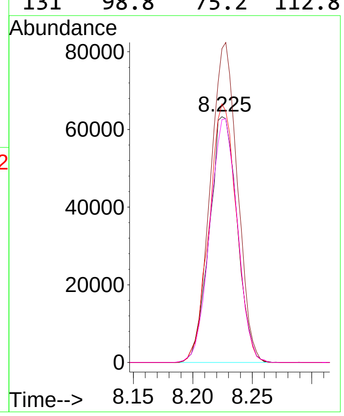


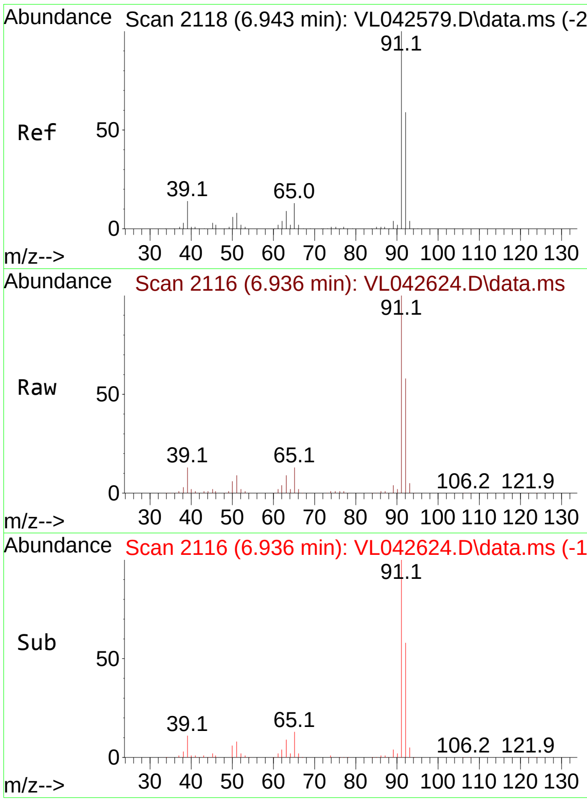


#52
Tetrachloroethene
Concen: 9.728 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:164 Resp: 102638

Ion	Ratio	Lower	Upper
164	100		
166	127.7	100.0	150.0
129	105.2	82.2	123.4
131	98.8	75.2	112.8



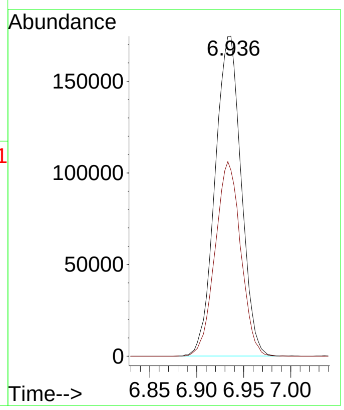


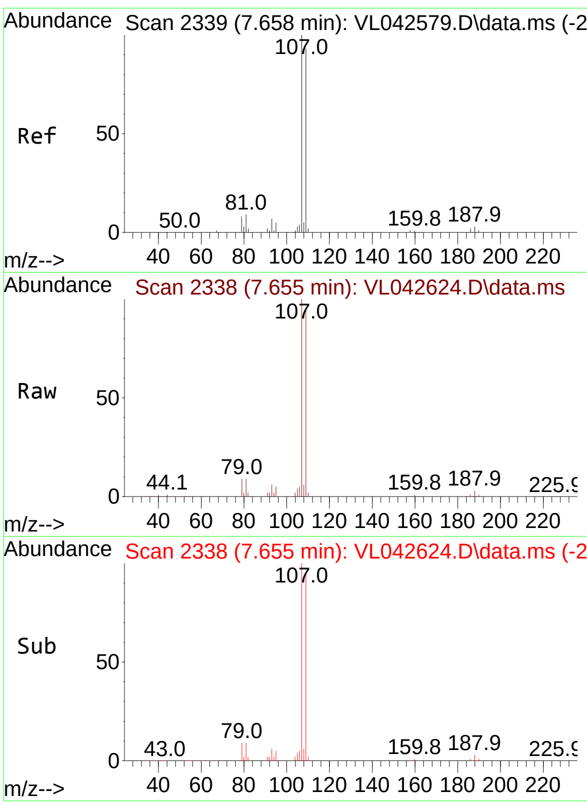
#53
Toluene
Concen: 10.328 ppbv
RT: 6.936 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 337046

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.2	72.4

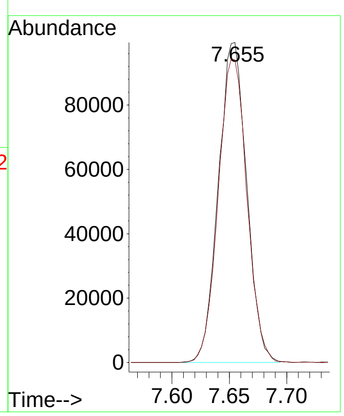


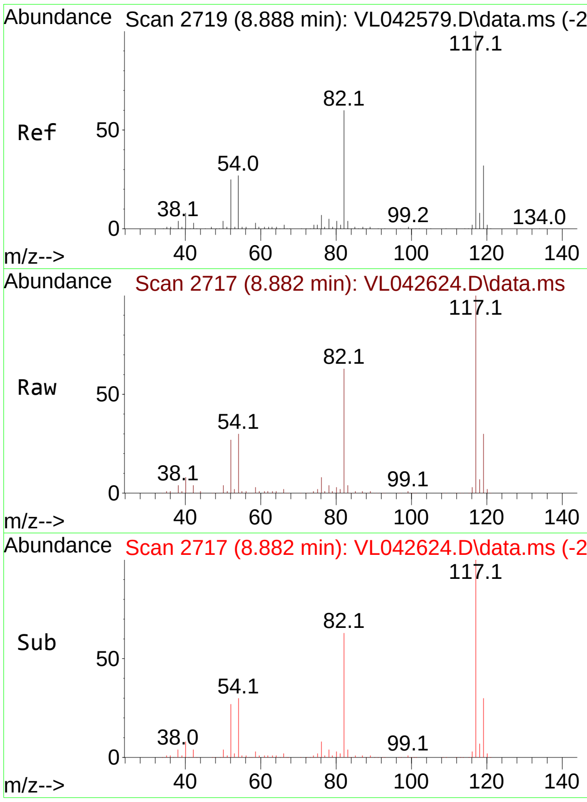


#54
1,2-Dibromoethane
Concen: 10.630 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:107 Resp: 170053

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.3	111.5





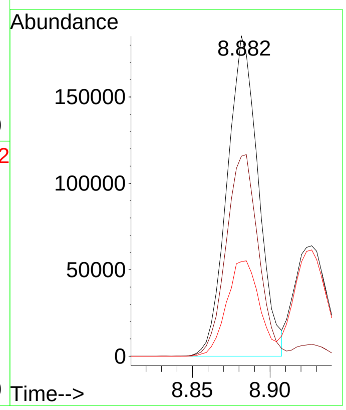
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2

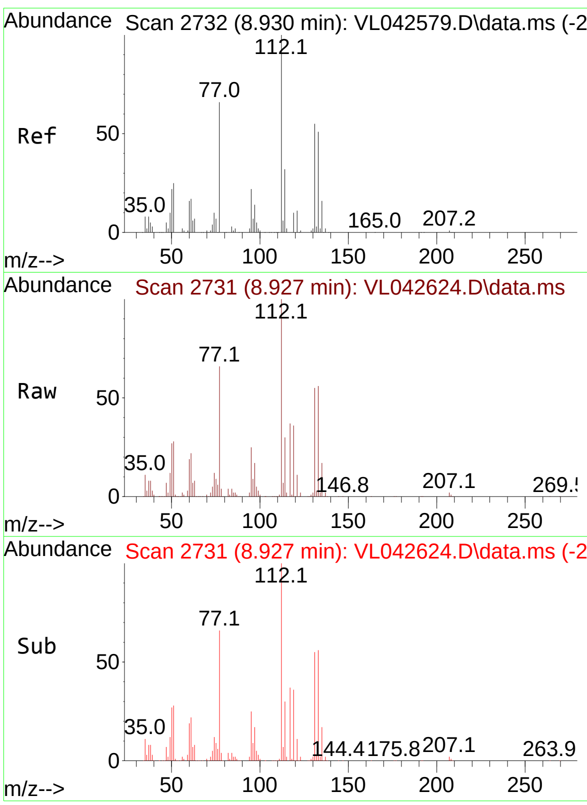
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:117 Resp: 259461

Ion	Ratio	Lower	Upper
117	100		
82	68.7	51.2	76.8
119	32.4	26.3	39.5

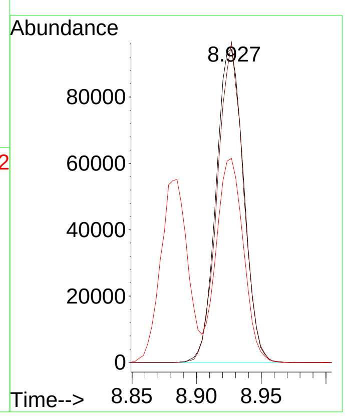


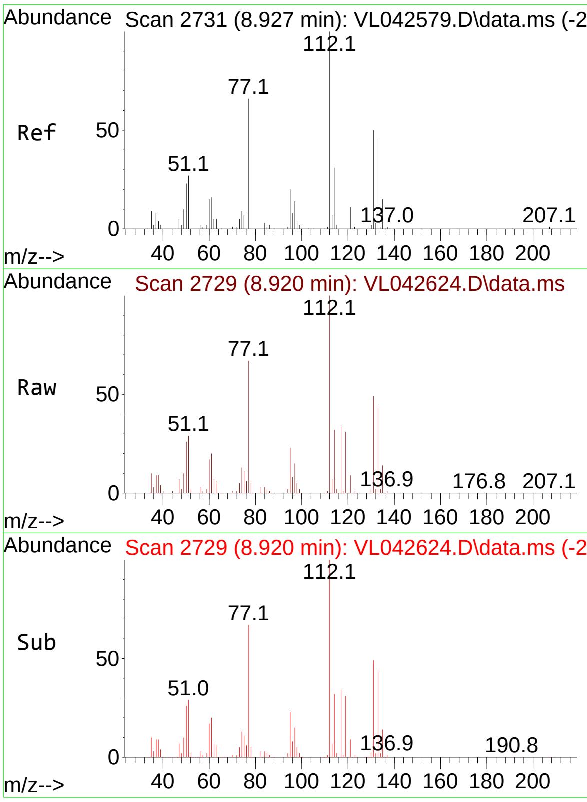


#56
1,1,1,2-Tetrachloroethane
Concen: 10.780 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:131 Resp: 140643

Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.0	112.6
119	65.1	50.8	76.2



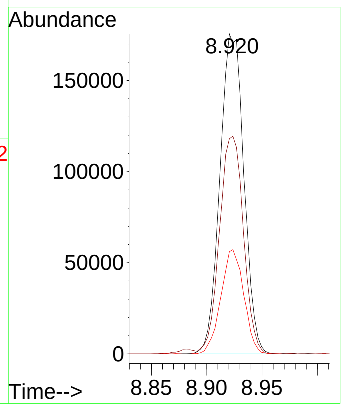


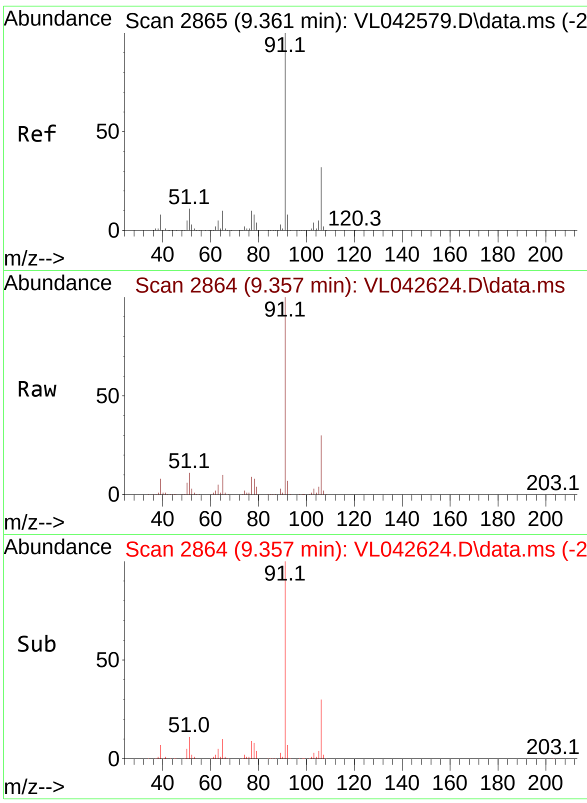
#57
Chlorobenzene
Concen: 10.515 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:112 Resp: 264897

Ion	Ratio	Lower	Upper
112	100		
77	67.3	53.5	80.3
114	31.9	27.8	34.0

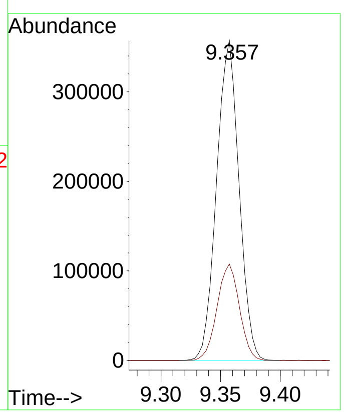


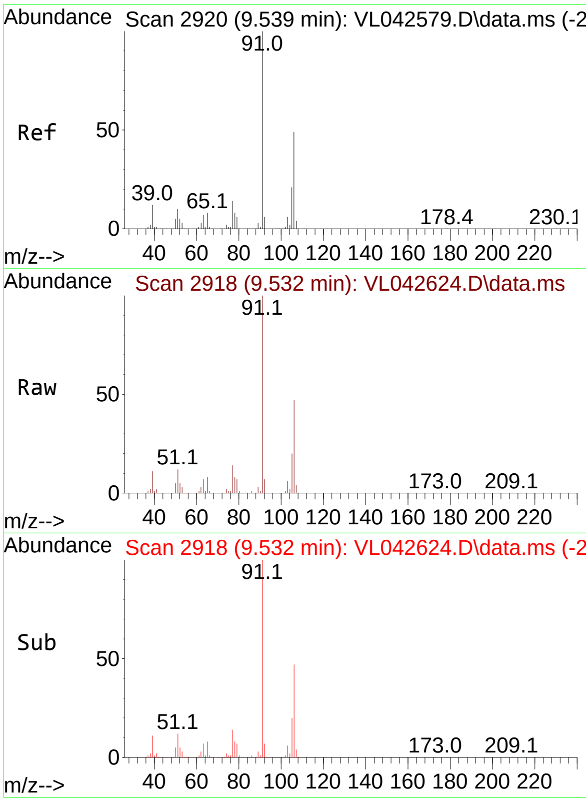


#58
Ethyl Benzene
Concen: 10.634 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 467998

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.9	38.9



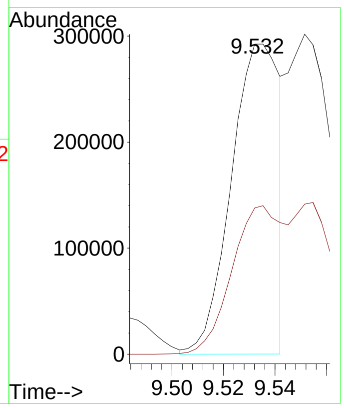


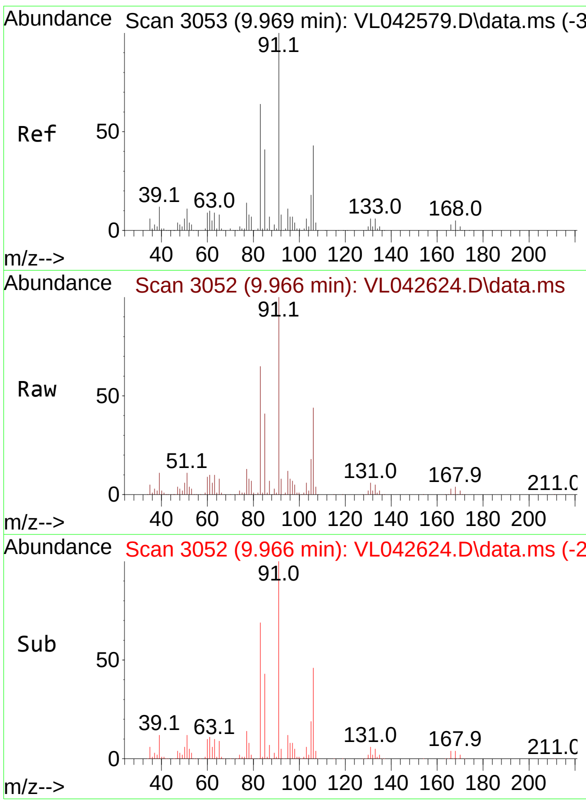
#59
m/p-Xylene
Concen: 10.934 ppbv
RT: 9.532 min Scan# 29
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 378682

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.8	58.2#

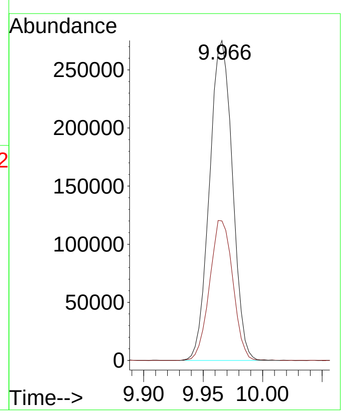


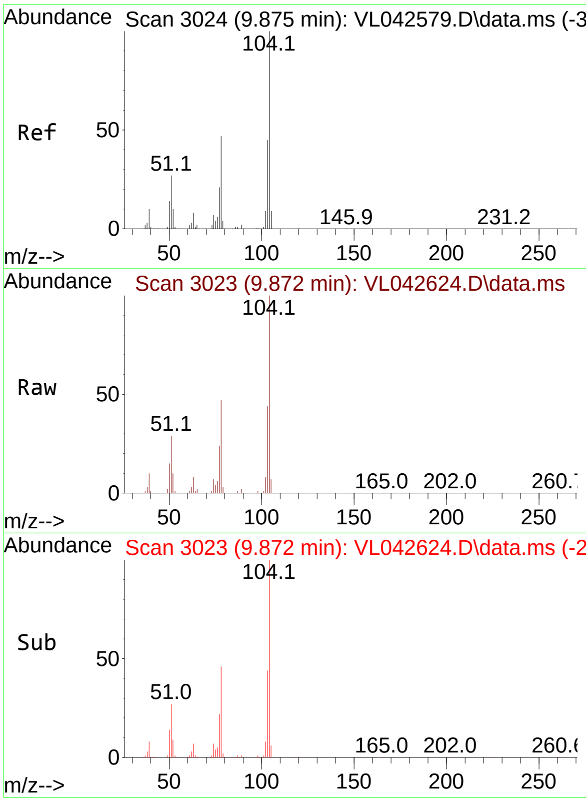


#60
o-Xylene
Concen: 10.704 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 369758

Ion	Ratio	Lower	Upper
91	100		
106	44.2	22.9	68.5





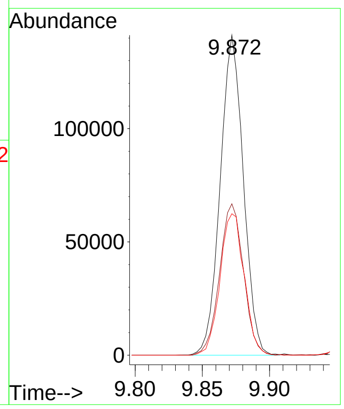
#61
Styrene
Concen: 10.371 ppbv
RT: 9.872 min Scan# 3(

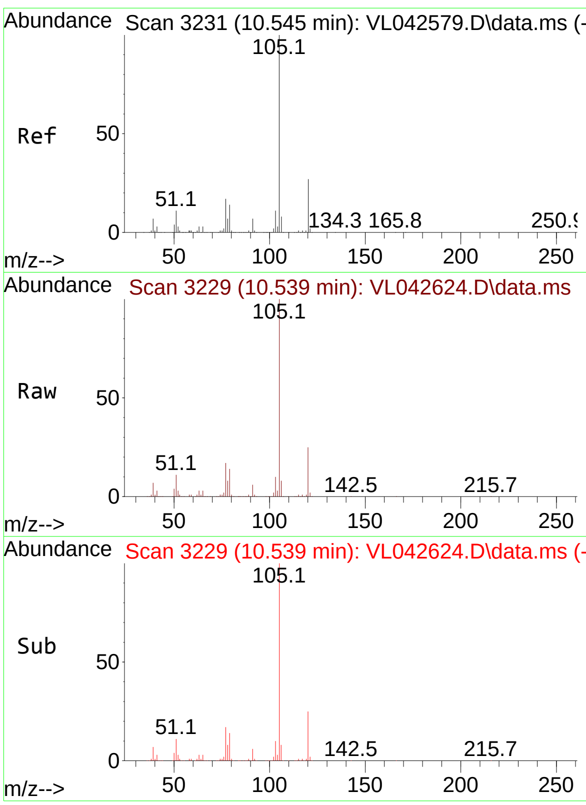
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:104 Resp: 169386

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.2	57.4
103	46.1	36.7	55.1

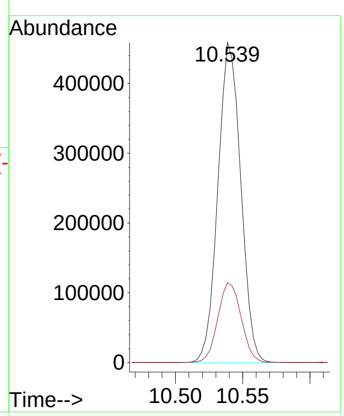


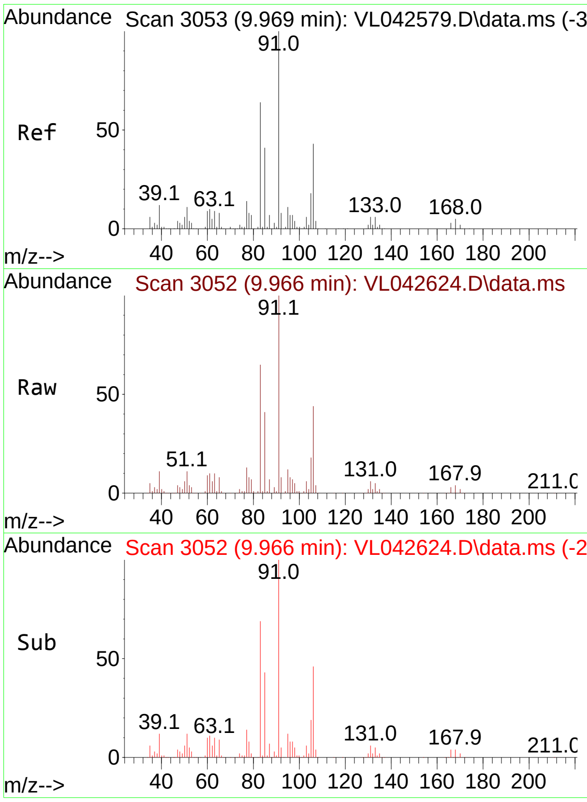


#62
Isopropylbenzene
Concen: 10.613 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 541625

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.9	31.3



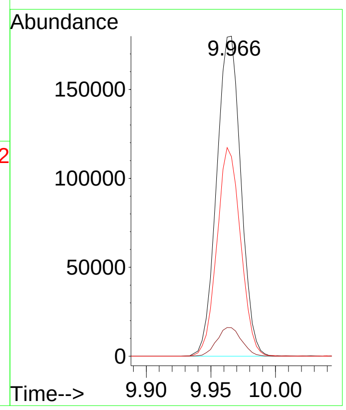


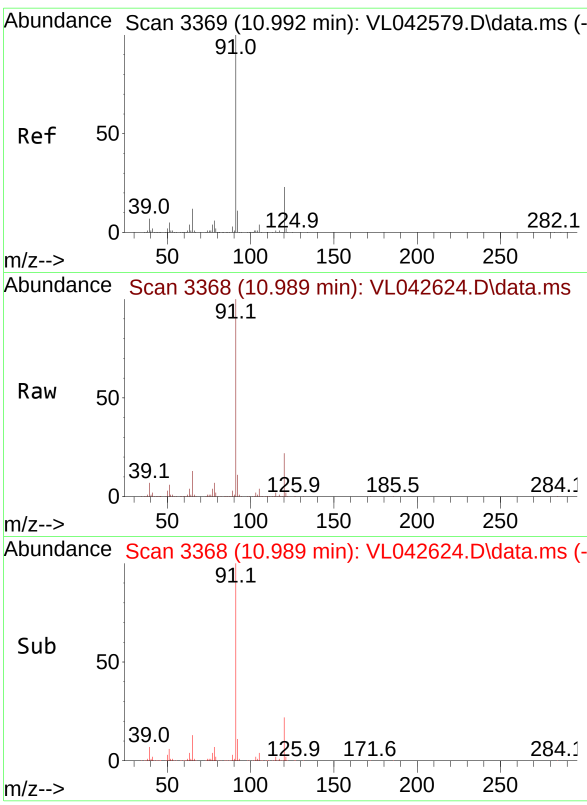
#63
1,1,2,2-Tetrachloroethane
Concen: 10.704 ppbv
RT: 9.966 min   Scan# 3052
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 83 Resp: 235113

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	63.6	32.5	97.4

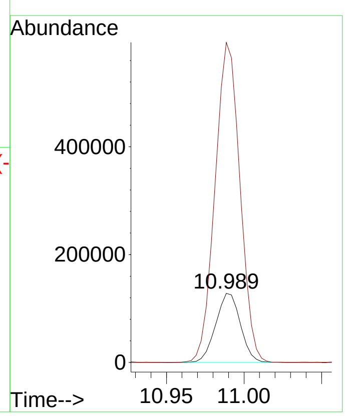


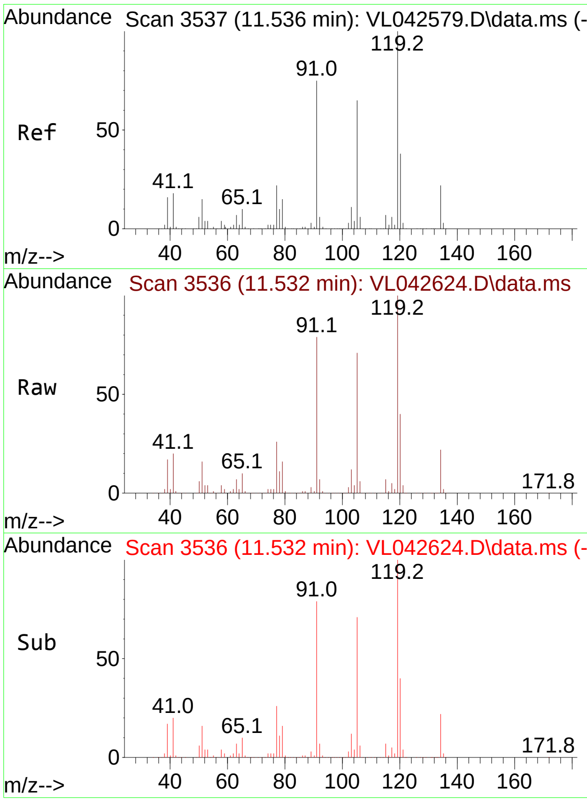


#64
n-propylbenzene
Concen: 10.363 ppbv
RT: 10.989 min   Scan# 3368
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion:120 Resp: 141765

Ion	Ratio	Lower	Upper
120	100		
91	468.6	363.0	544.6



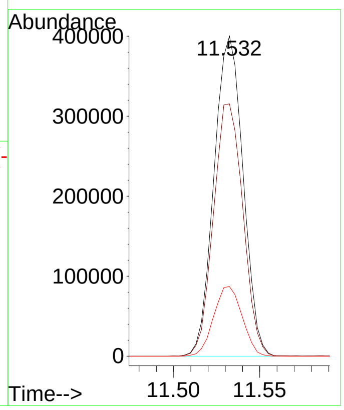


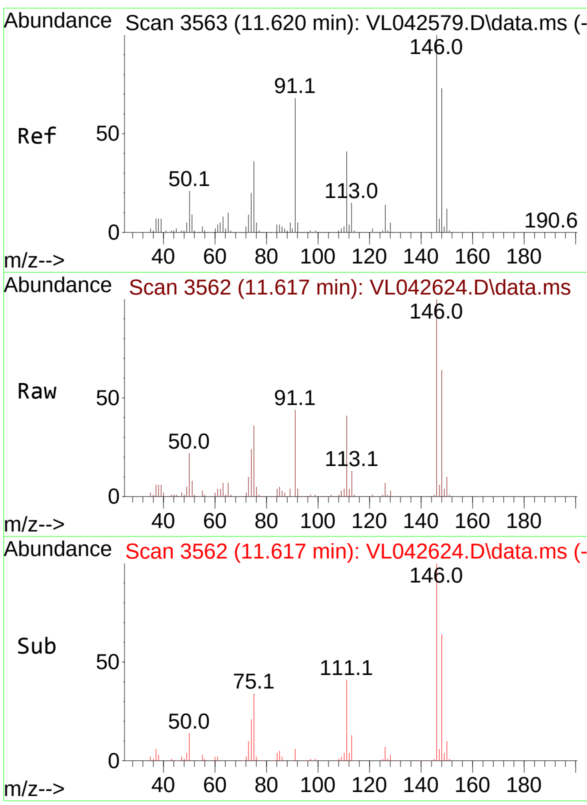
#65
tert-Butylbenzene
Concen: 10.134 ppbv
RT: 11.532 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:119 Resp: 469290

Ion	Ratio	Lower	Upper
119	100		
91	80.1	61.1	91.7
134	21.3	17.4	26.2

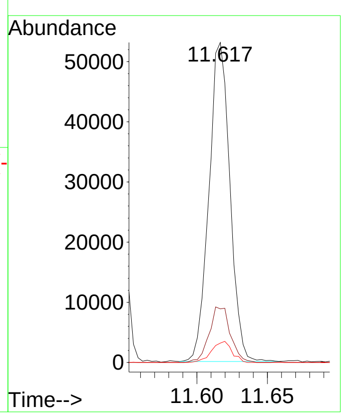


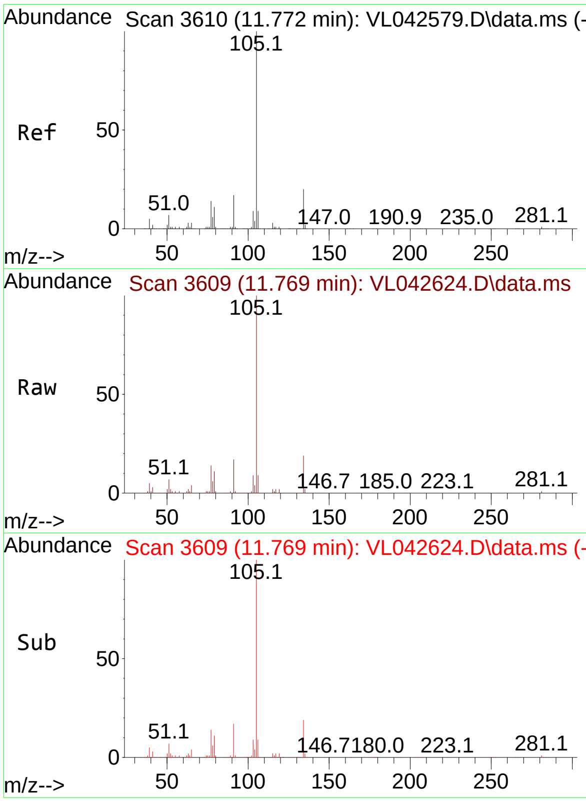


#66
Benzyl Chloride
Concen: 9.221 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 54970

Ion	Ratio	Lower	Upper
91	100		
126	17.6	15.1	22.7
128	6.4	5.0	7.6





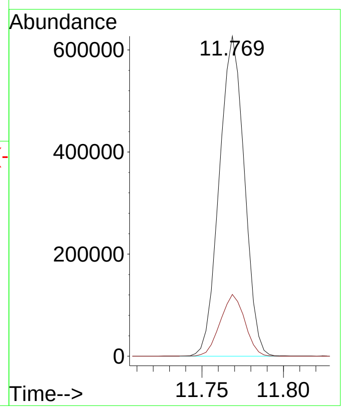
#67
sec-Butylbenzene
Concen: 10.320 ppbv
RT: 11.769 min Scan# 3

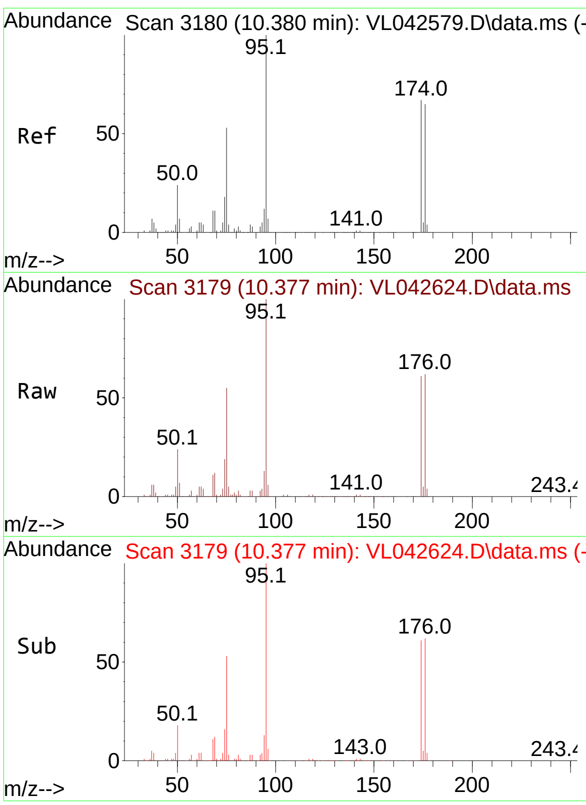
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 671931

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.8	23.6

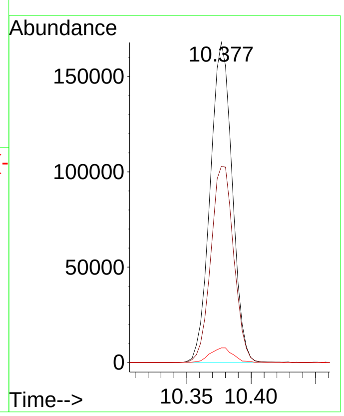


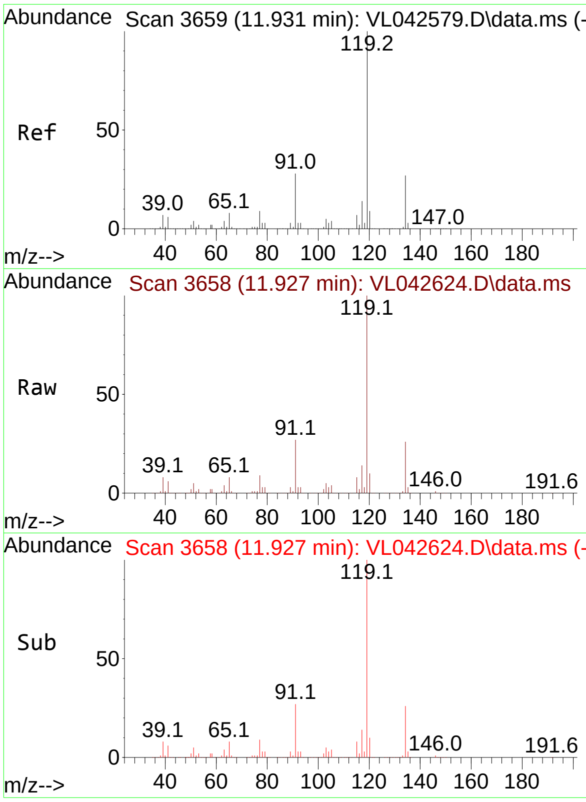


#68
1-Bromo-4-Fluorobenzene
Concen: 10.237 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 95 Resp: 199109

Ion	Ratio	Lower	Upper
95	100		
174	64.0	53.1	79.7
175	4.8	4.2	6.2





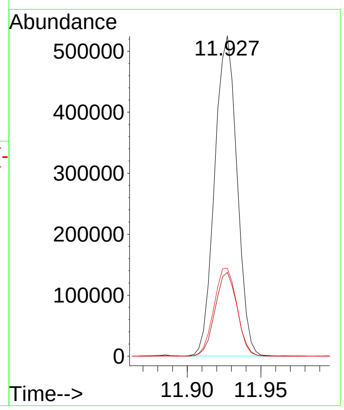
#69
p-Isopropyltoluene
Concen: 10.198 ppbv
RT: 11.927 min Scan# 3

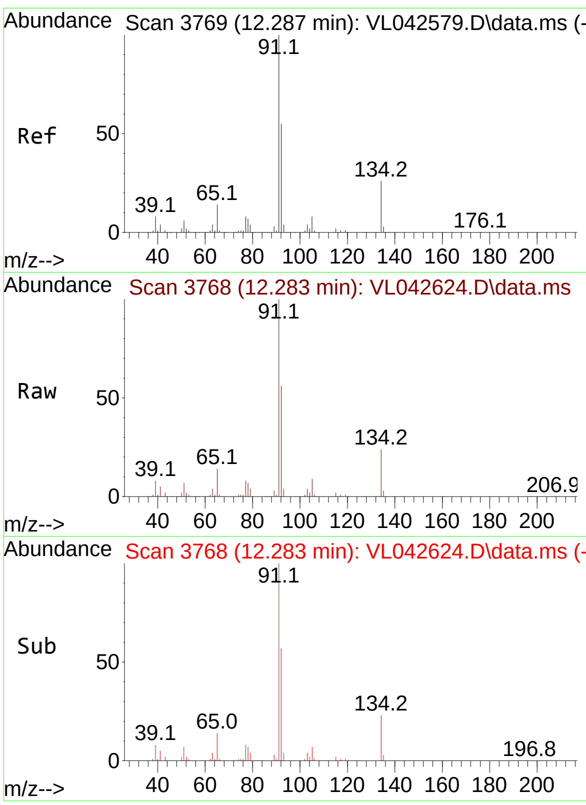
Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:119 Resp: 556052

Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.1	31.7
91	28.3	21.9	32.9

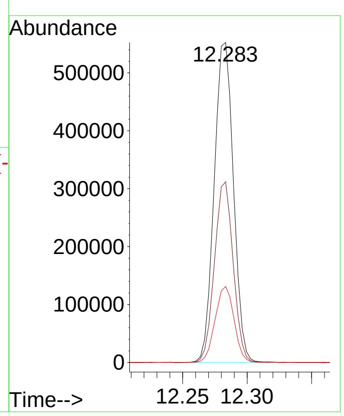


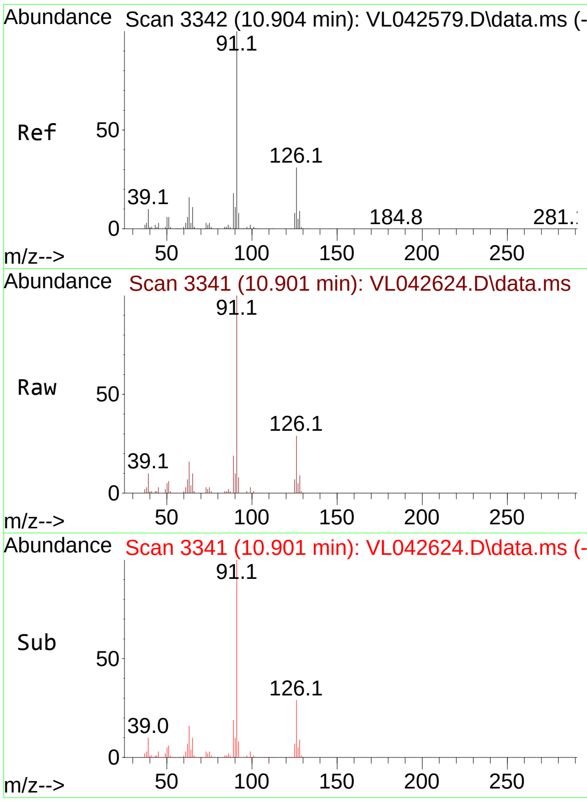


#70
n-Butylbenzene
Concen: 10.653 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 573365

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.4	66.6
134	23.4	20.1	30.1



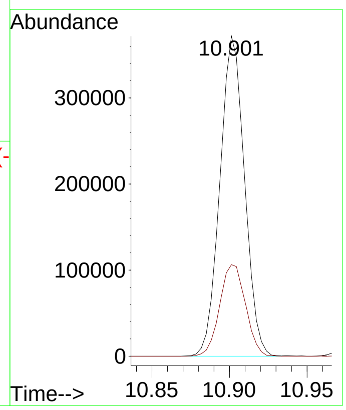


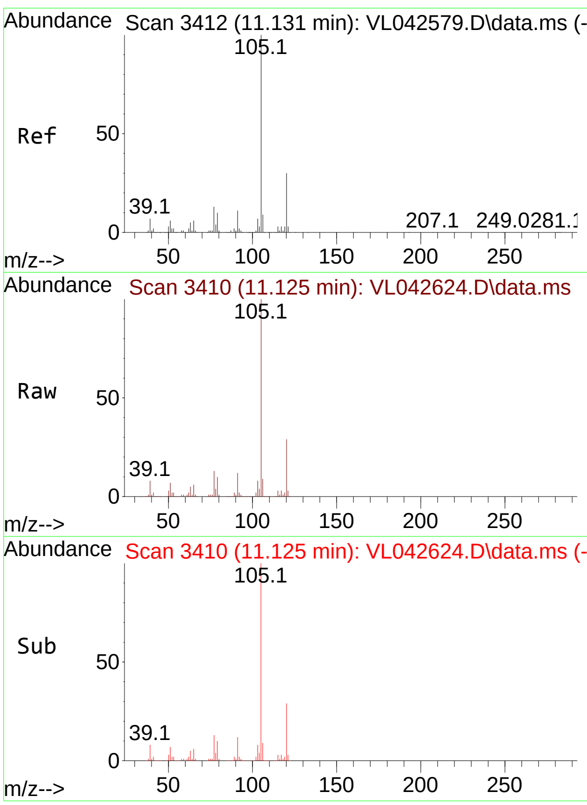
#71
2-Chlorotoluene
Concen: 10.535 ppbv
RT: 10.901 min   Scan# 3
Delta R.T.   -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion: 91 Resp: 410090

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.6	50.4

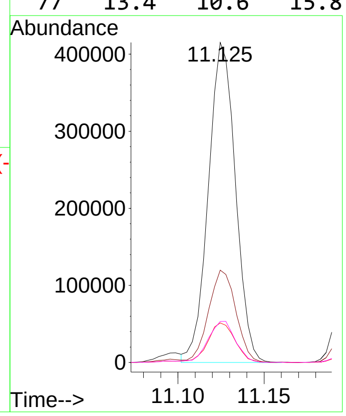


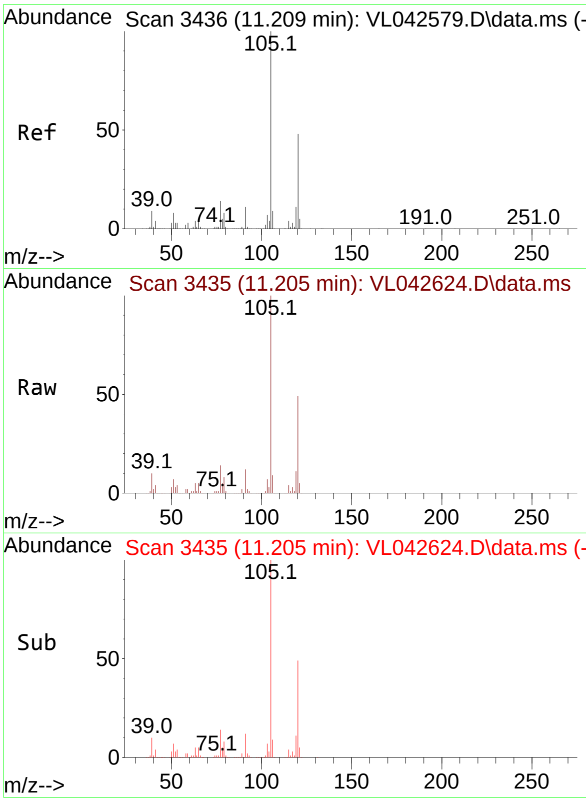


#72
4-Ethyltoluene
Concen: 10.547 ppbv
RT: 11.125 min   Scan# 3410
Delta R.T.   -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025   10:29

Tgt Ion:105 Resp: 454234

Ion	Ratio	Lower	Upper
105	100		
120	30.0	24.6	36.8
91	12.9	9.6	14.4
77	13.4	10.6	15.8



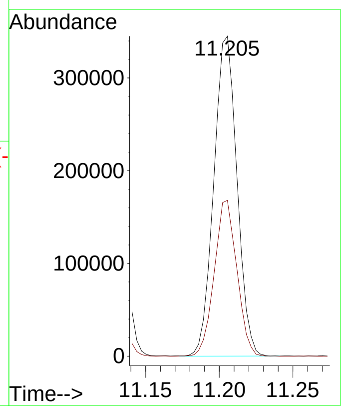


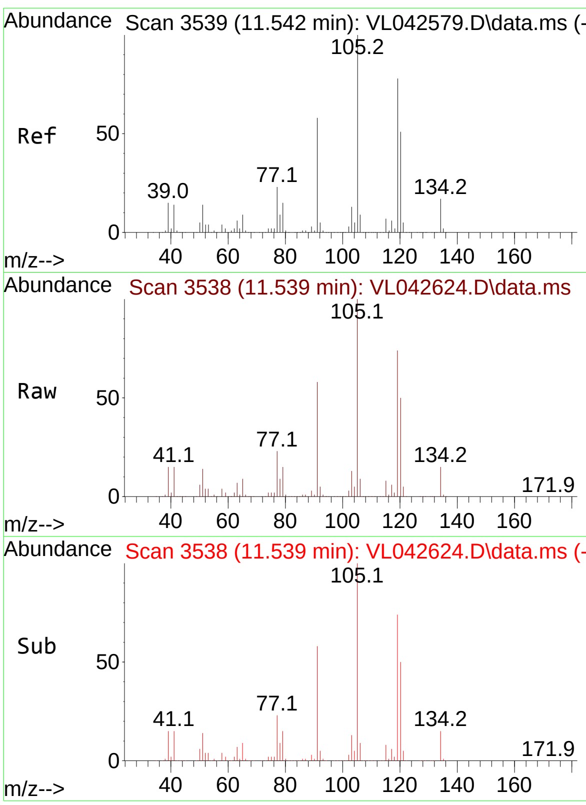
#73
1,3,5-Trimethylbenzene
Concen: 10.597 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:105 Resp: 377709

Ion	Ratio	Lower	Upper
105	100		
120	48.7	38.8	58.2

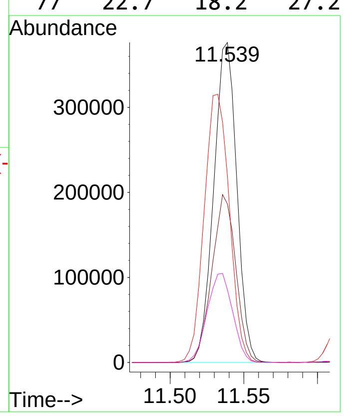


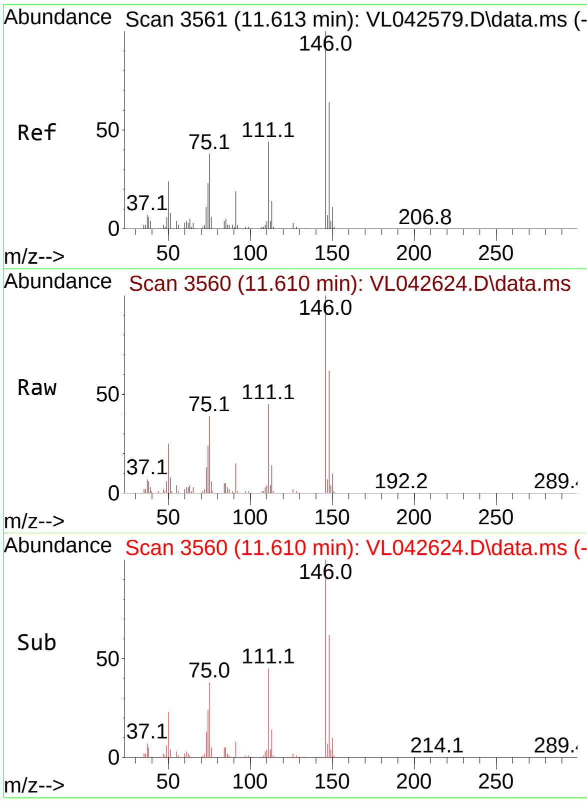


#74
1,2,4-Trimethylbenzene
Concen: 10.399 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 411337

Ion	Ratio	Lower	Upper
105	100		
120	49.5	40.8	61.2
91	58.4	46.8	70.2
77	22.7	18.2	27.2



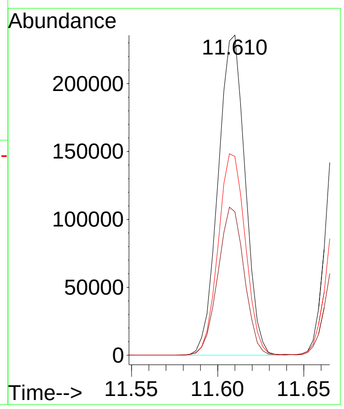


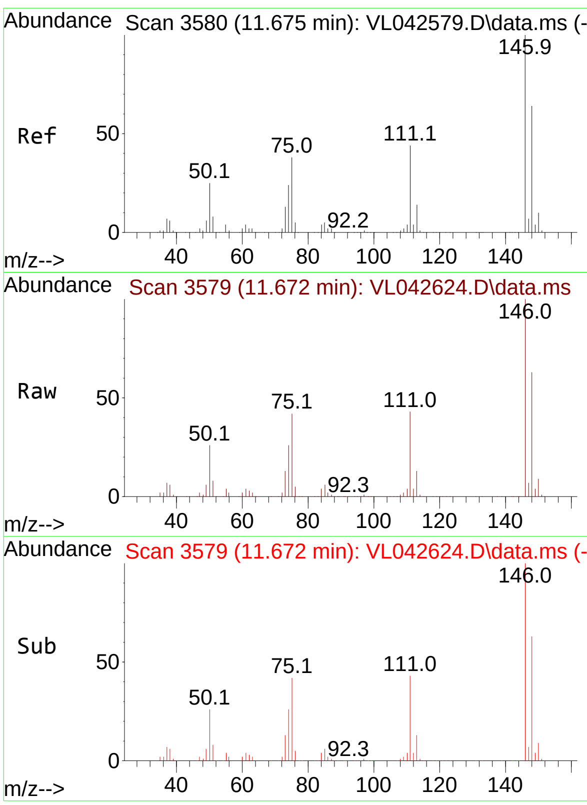
#75
1,3-Dichlorobenzene
Concen: 10.351 ppbv
RT: 11.610 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:146 Resp: 257115

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.4	67.3
148	63.3	32.0	96.2

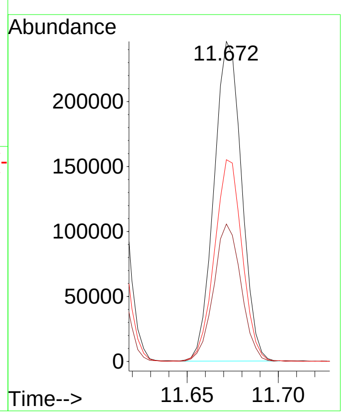


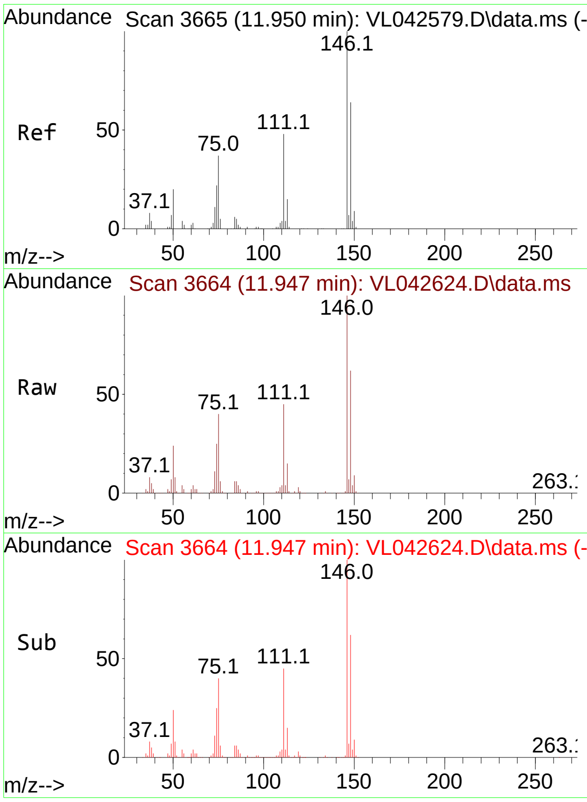


#76
1,4-Dichlorobenzene
Concen: 10.470 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:146 Resp: 259390

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.5	32.1	96.5



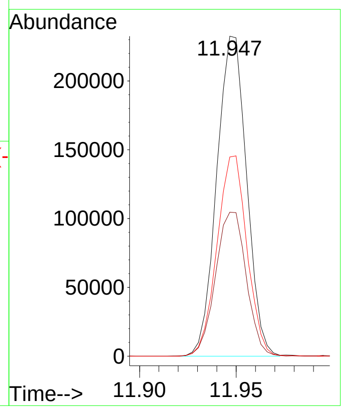


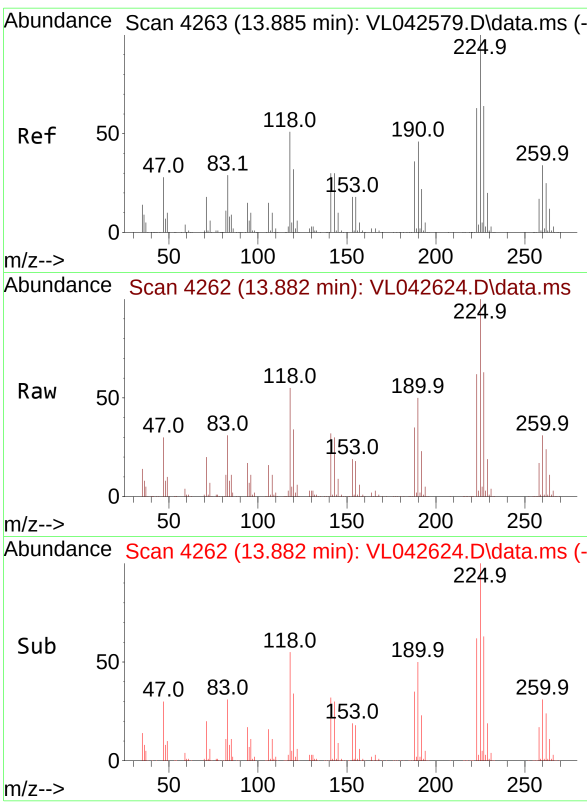
#77
1,2-Dichlorobenzene
Concen: 10.374 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:146 Resp: 250092

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.3
148	62.9	32.1	96.3

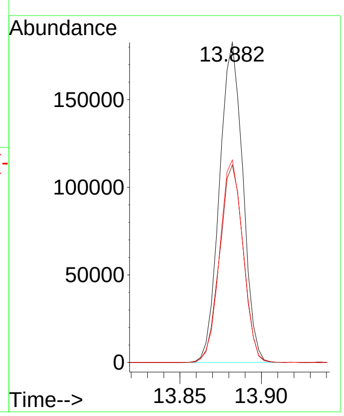


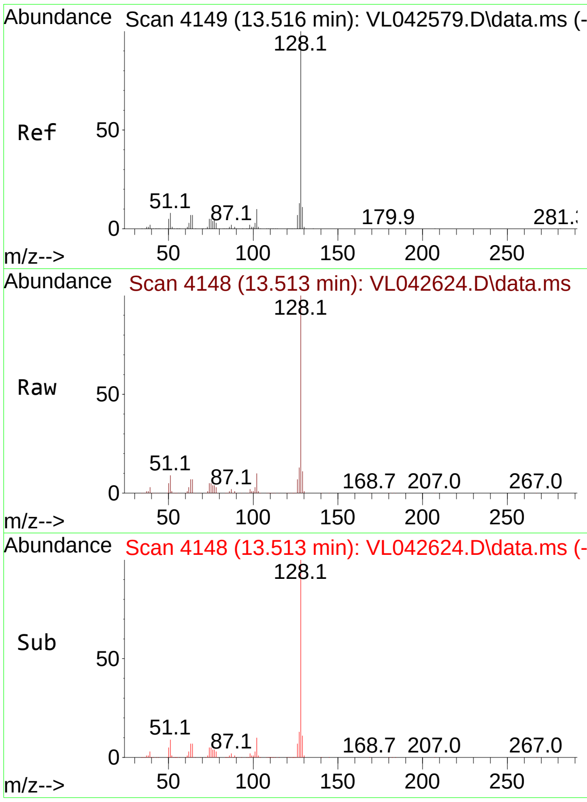


#78
Hexachloro-1,3-Butadiene
Concen: 9.142 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:225 Resp: 182353

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.4
227	63.1	51.1	76.7



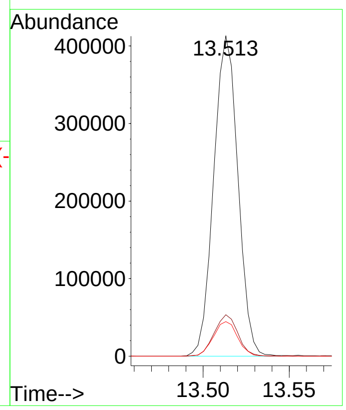


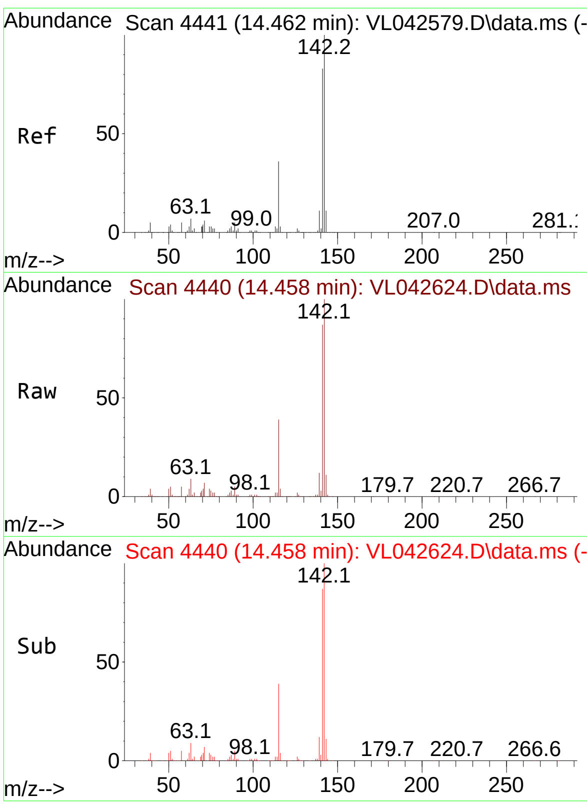
#79
Naphthalene
Concen: 10.847 ppbv
RT: 13.513 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:128 Resp: 404428

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.8	13.2

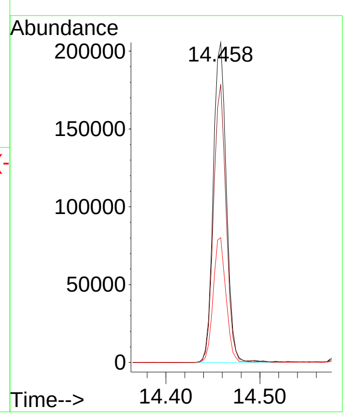


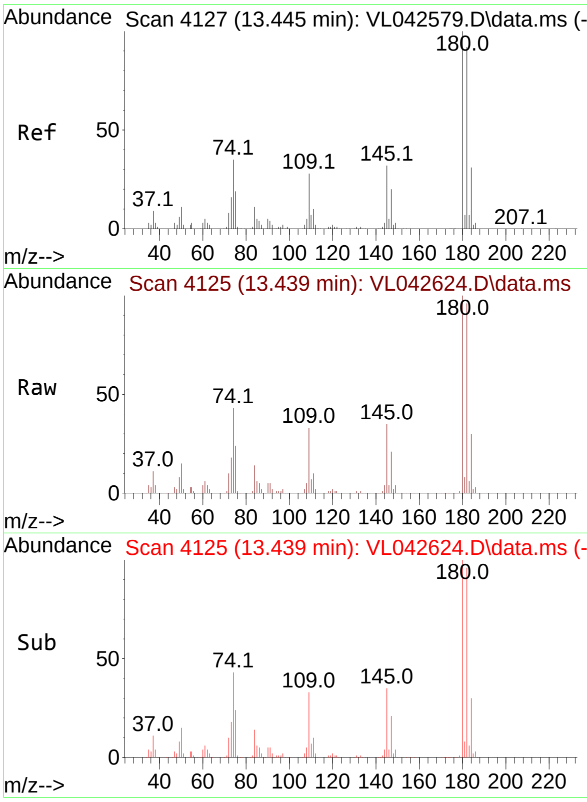


#80
Naphthalene,2-methyl-
Concen: 11.863 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Tgt Ion:142 Resp: 199834

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.2	99.4
115	38.2	28.3	42.5



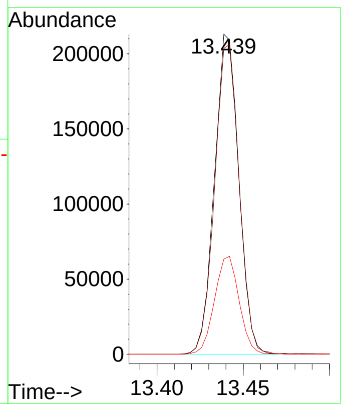


#81
1,2,4-Trichlorobenzene
Concen: 10.105 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL042624.D
Acq: 16 Jun 2025 10:29

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tgt Ion:180 Resp: 210333

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.4
184	30.7	24.6	36.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042626.D
Acq On : 16 Jun 2025 13:27
Operator : SY/MD
Sample : Q2317-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Quant Time: Jun 17 03:04:45 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	2.790	49	109400	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	291899	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.885	117	254916	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.380	95	197031	10.311 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.100%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	6441	0.479 ppbv	95
4) Chloromethane	1.534	50	2886	0.542 ppbv #	86
6) Bromomethane	1.670	94	105	0.040 ppbv #	55
9) Propene	1.486	41	4803	0.644 ppbv	93
10) Heptane	4.985	43	730	0.035 ppbv #	28
11) Trichlorofluoromethane	1.881	101	3345	0.267 ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	530	0.054 ppbv #	33
13) Ethanol	1.722	45	14866	16.727 ppbv	99
15) Acetone	1.839	43	134981	10.243 ppbv	96
16) 1,3-Butadiene	1.602	39	920	0.147 ppbv #	40
17) tert-Butyl alcohol	2.046	59	1755	0.128 ppbv #	72
19) Isopropyl Alcohol	1.890	45	7796	0.990 ppbv #	1
20) Methylene Chloride	2.065	84	12977	2.984 ppbv	98
21) Allyl Chloride	2.062	41	641	0.069 ppbv #	21
23) Vinyl Acetate	2.479	43	9126	0.512 ppbv #	44
25) Ethyl Acetate	2.829	43	59797	1.658 ppbv #	79
26) Hexane	2.829	57	79039	4.824 ppbv #	43
29) Chloroform	2.848	83	988	0.046 ppbv	90
30) Cyclohexane	3.855	84	457	0.034 ppbv #	1
34) 2-Butanone	2.564	43	13517	0.649 ppbv	99
35) Carbon Tetrachloride	3.771	117	640	0.033 ppbv #	42
36) Benzene	3.664	78	9139	0.318 ppbv	96
39) 1,2-Dichloropropane	3.962	63	72937	6.861 ppbv #	23
41) Tetrahydrofuran	3.062	42	2255	0.185 ppbv #	65
44) 2,2,4-Trimethylpentane	4.648	57	9375	0.191 ppbv #	80
53) Toluene	6.946	91	15331	0.461 ppbv	96
58) Ethyl Benzene	9.361	91	2750	0.064 ppbv	93
59) m/p-Xylene	9.535	91	16145	0.474 ppbv	100
60) o-Xylene	9.535	91	16145	0.476 ppbv	96
61) Styrene	9.872	104	1324	0.083 ppbv #	33
72) 4-Ethyltoluene	11.128	105	1830	0.043 ppbv #	57
73) 1,3,5-Trimethylbenzene	11.205	105	1598	0.046 ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	6700	0.172 ppbv #	65
76) 1,4-Dichlorobenzene	11.675	146	776	0.032 ppbv	96
77) 1,2-Dichlorobenzene	11.675	146	776	0.033 ppbv	95
79) Naphthalene	13.516	128	1334	0.036 ppbv #	81

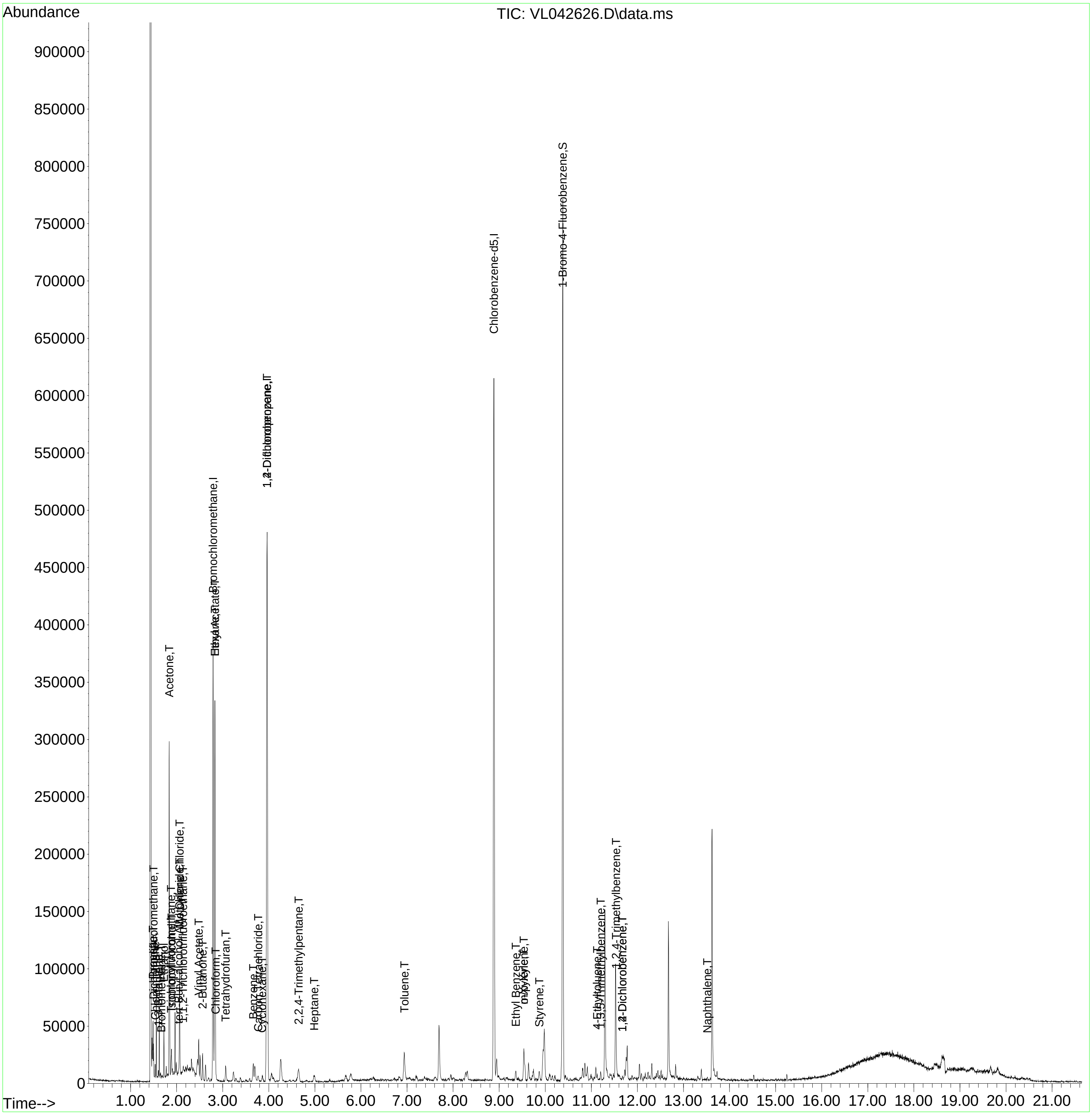
(#) = qualifier out of range (m) = manual integration (+) = signals summed

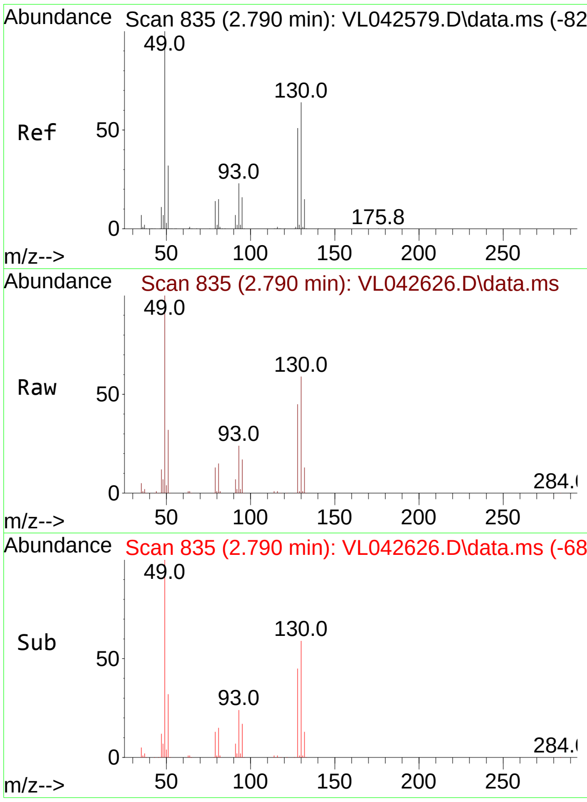
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042626.D
Acq On : 16 Jun 2025 13:27
Operator : SY/MD
Sample : Q2317-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Quant Time: Jun 17 03:04:45 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



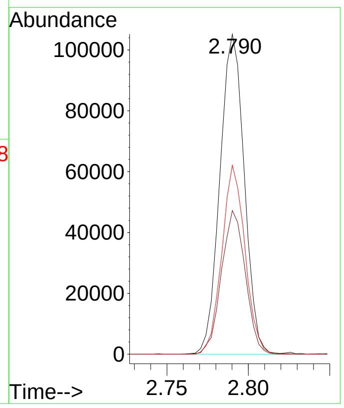


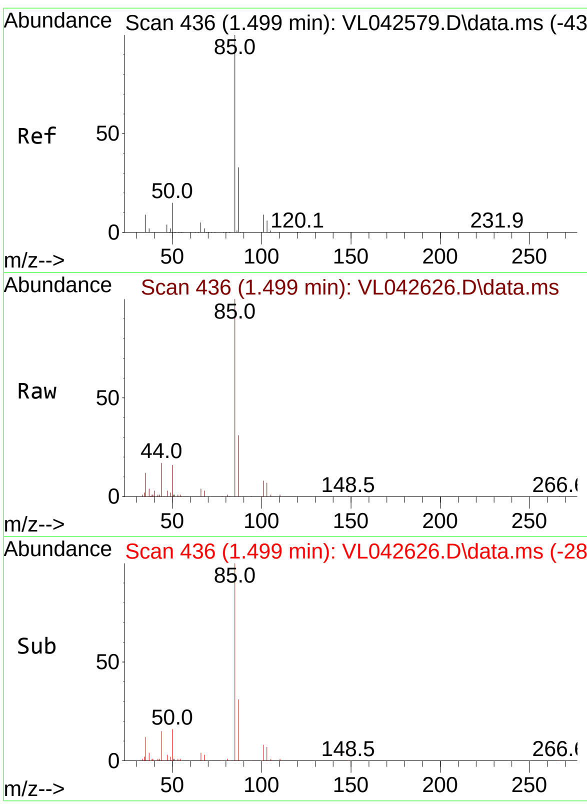
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min   Scan# 8
Delta R.T.   0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 49 Resp: 109400

Ion	Ratio	Lower	Upper
49	100		
128	44.2	24.2	72.6
130	56.2	30.4	91.2

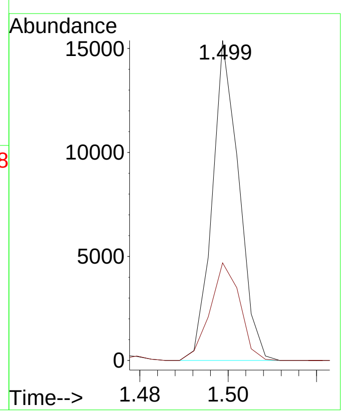


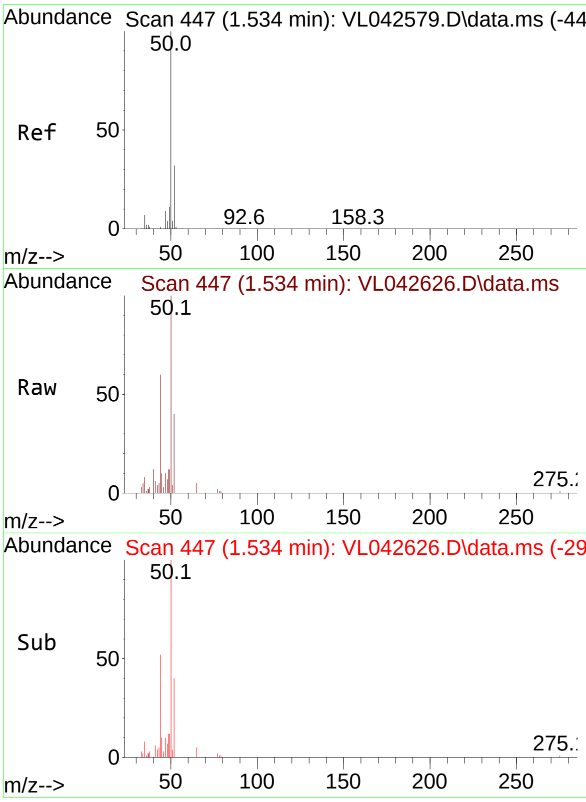


#2
Dichlorodifluoromethane
Concen: 0.479 ppbv
RT: 1.499 min   Scan# 436
Delta R.T.   -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

Tgt Ion: 85 Resp: 6441

Ion	Ratio	Lower	Upper
85	100		
87	30.5	26.6	39.8



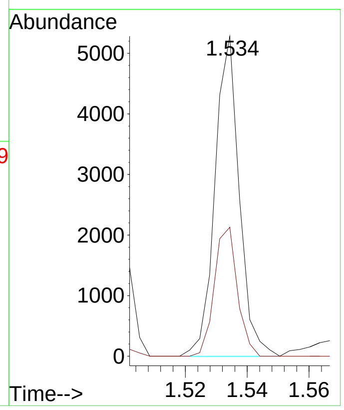


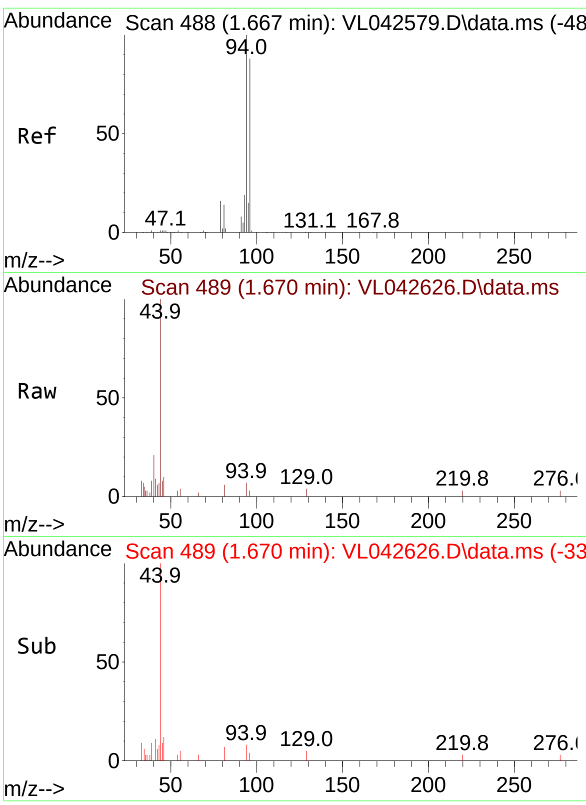
#4
Chloromethane
Concen: 0.542 ppbv
RT: 1.534 min   Scan# 44
Delta R.T.   -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 50 Resp: 2886

Ion	Ratio	Lower	Upper
50	100		
52	40.3	25.8	38.6#

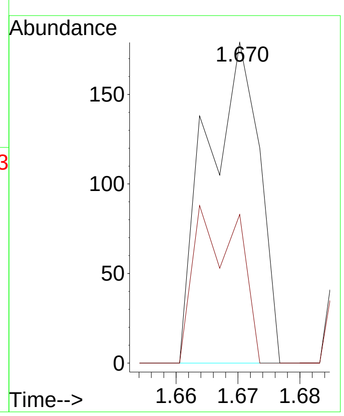


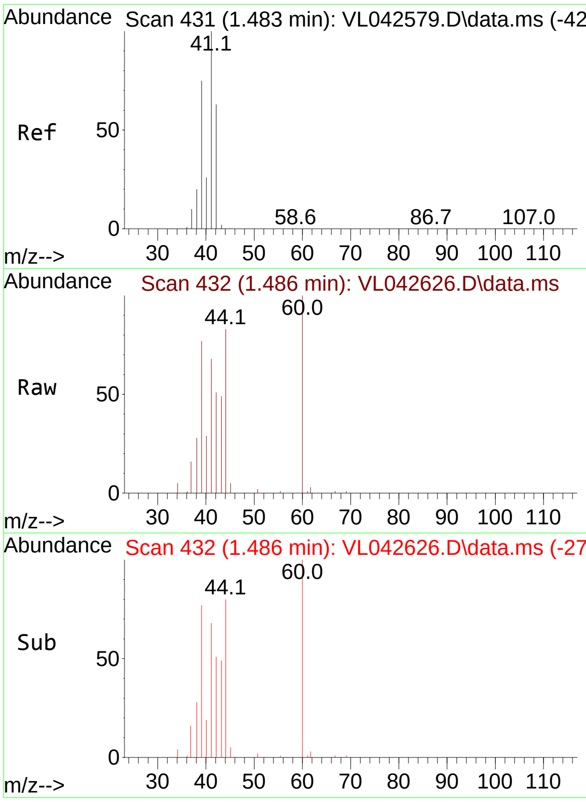


#6
Bromomethane
Concen: 0.040 ppbv
RT: 1.670 min   Scan# 489
Delta R.T.   0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025   13:27

Tgt Ion: 94 Resp: 105

Ion	Ratio	Lower	Upper
94	100		
96	46.4	70.7	106.1#





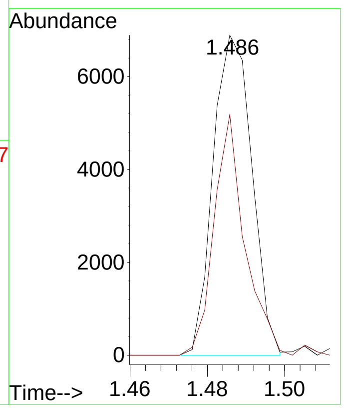
#9
Propene
Concen: 0.644 ppbv
RT: 1.486 min Scan# 4

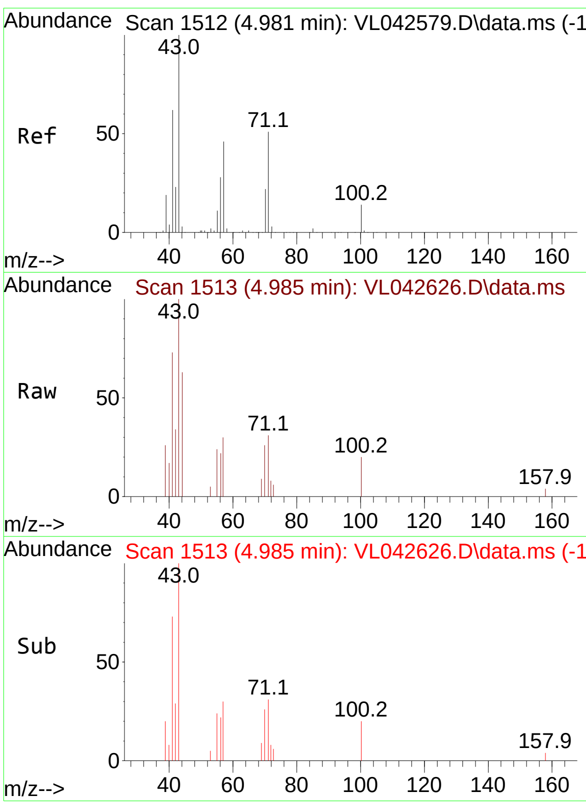
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 41 Resp: 4803

Ion	Ratio	Lower	Upper
41	100		
42	60.7	53.3	79.9

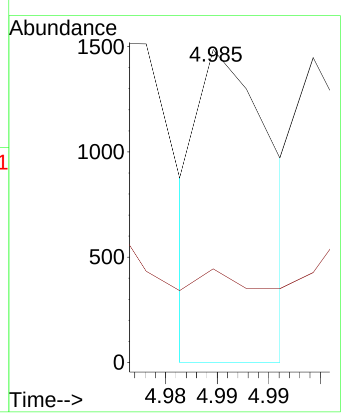


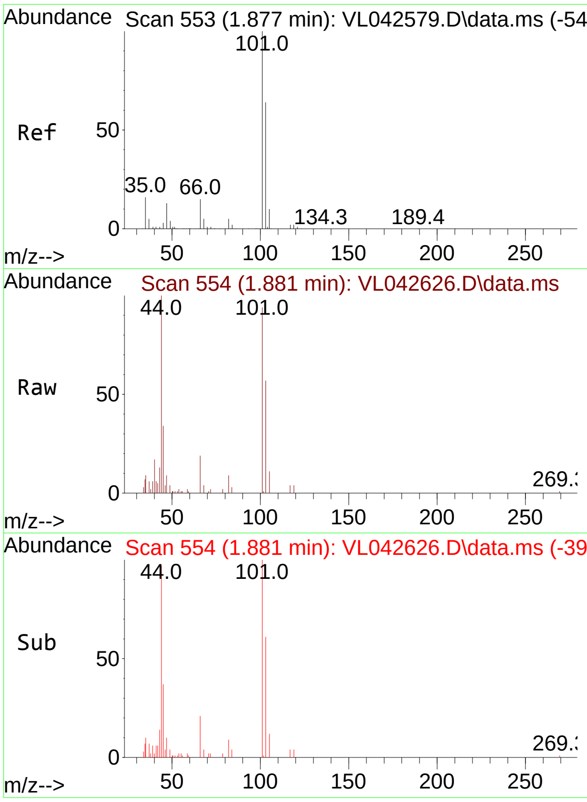


#10
Heptane
Concen: 0.035 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 43 Resp: 730

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#





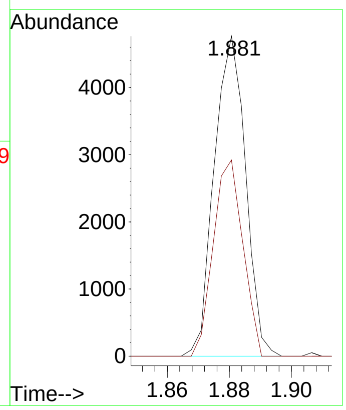
#11
Trichlorofluoromethane
Concen: 0.267 ppbv
RT: 1.881 min Scan# 5

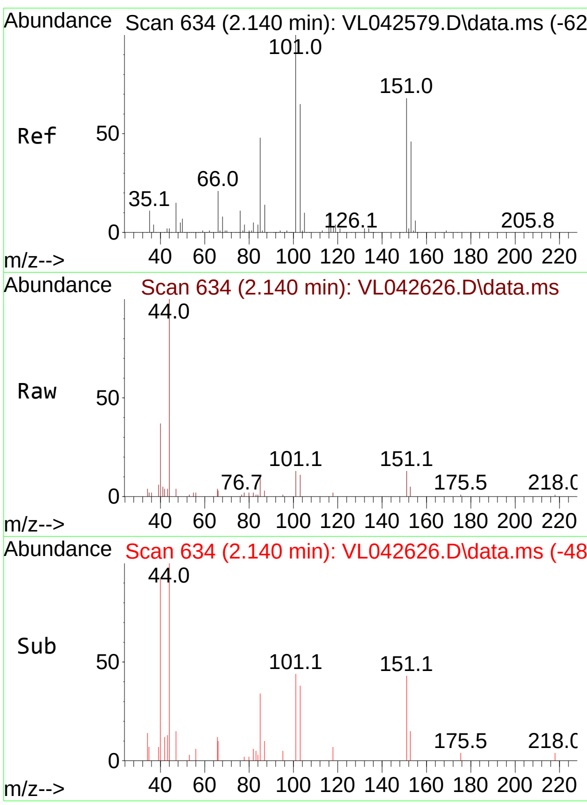
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:101 Resp: 3345

Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.5	77.3

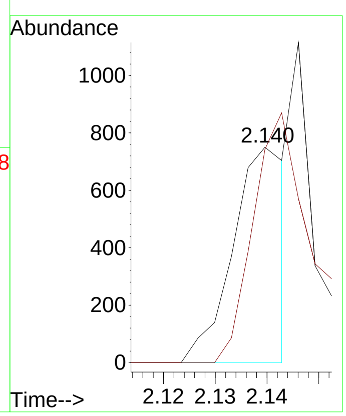


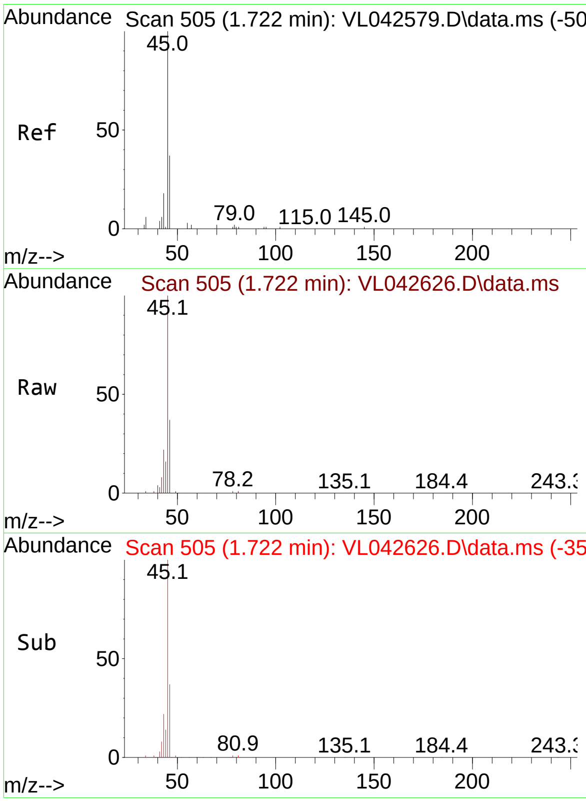


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.054 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:101 Resp: 530

Ion	Ratio	Lower	Upper
101	100		
151	123.8	55.3	82.9#





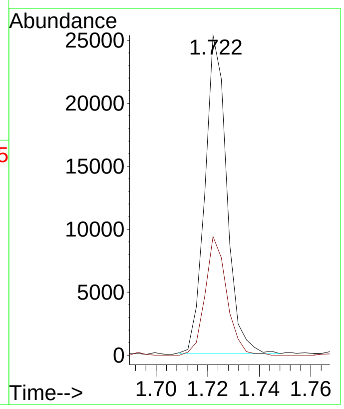
#13
Ethanol
Concen: 16.727 ppbv
RT: 1.722 min Scan# 5

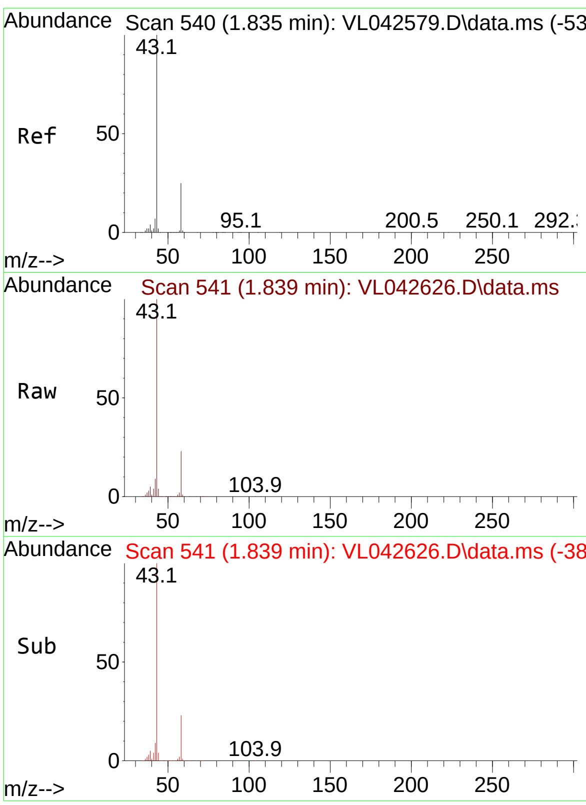
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 45 Resp: 14866

Ion	Ratio	Lower	Upper
45	100		
46	36.9	14.5	58.1

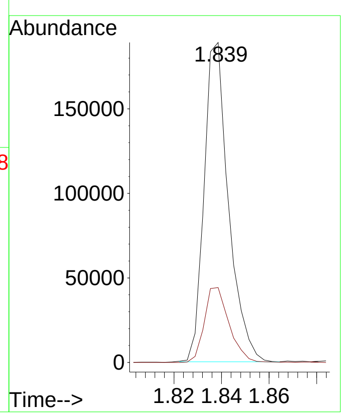


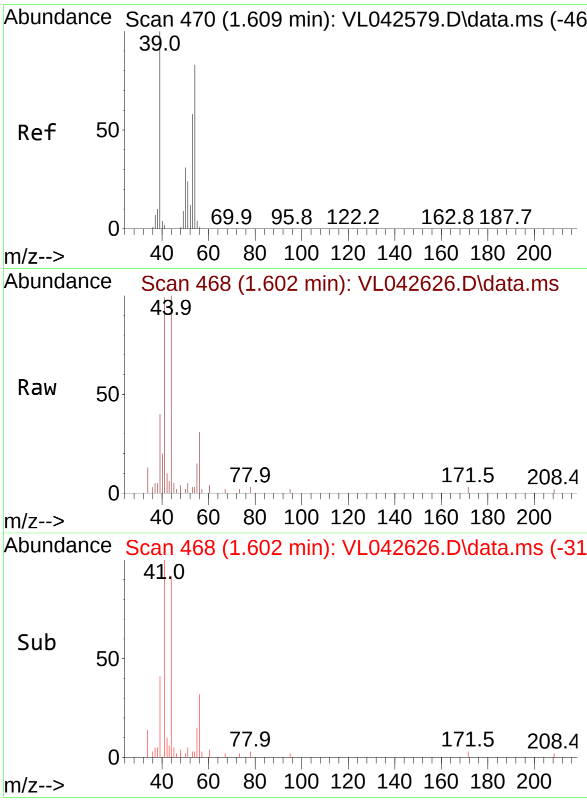


#15
Acetone
Concen: 10.243 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 43 Resp: 134981

Ion	Ratio	Lower	Upper
43	100		
58	24.0	21.0	31.4



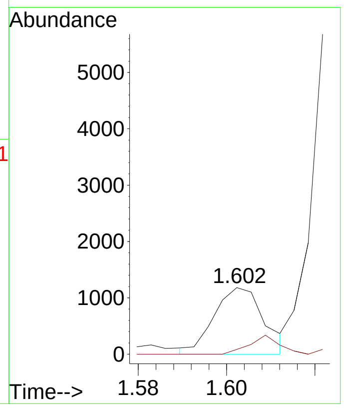


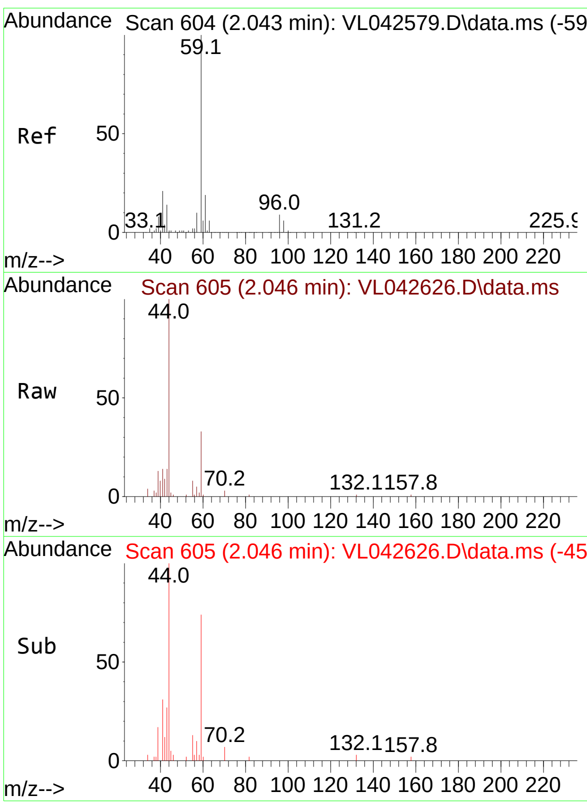
#16
1,3-Butadiene
Concen: 0.147 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 39 Resp: 920

Ion	Ratio	Lower	Upper
39	100		
54	22.4	57.9	86.9#

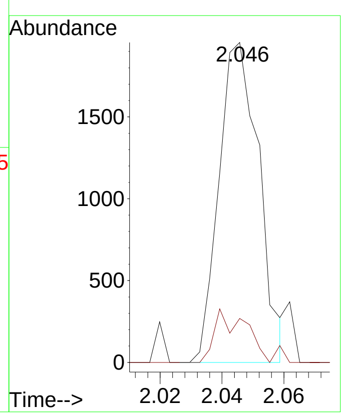


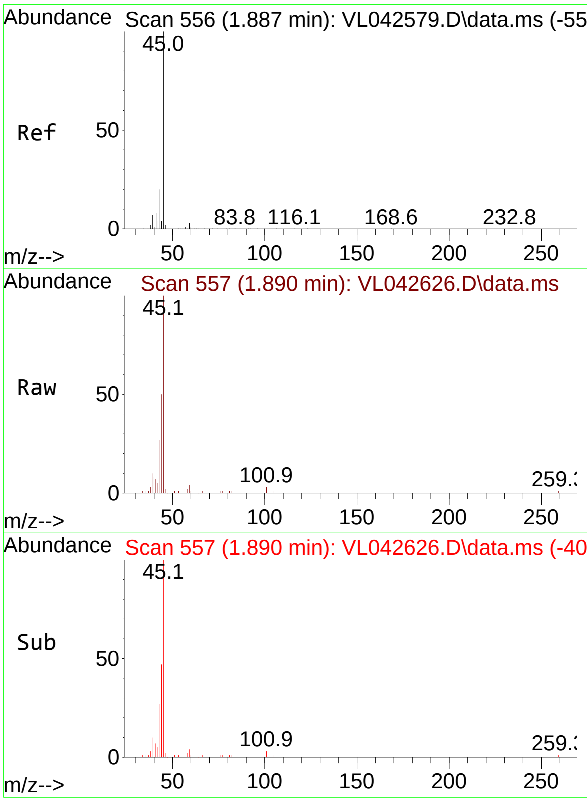


#17
tert-Butyl alcohol
Concen: 0.128 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 59 Resp: 1755

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#



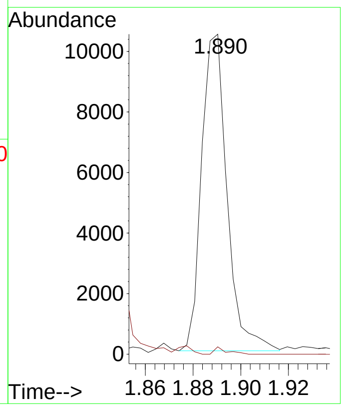


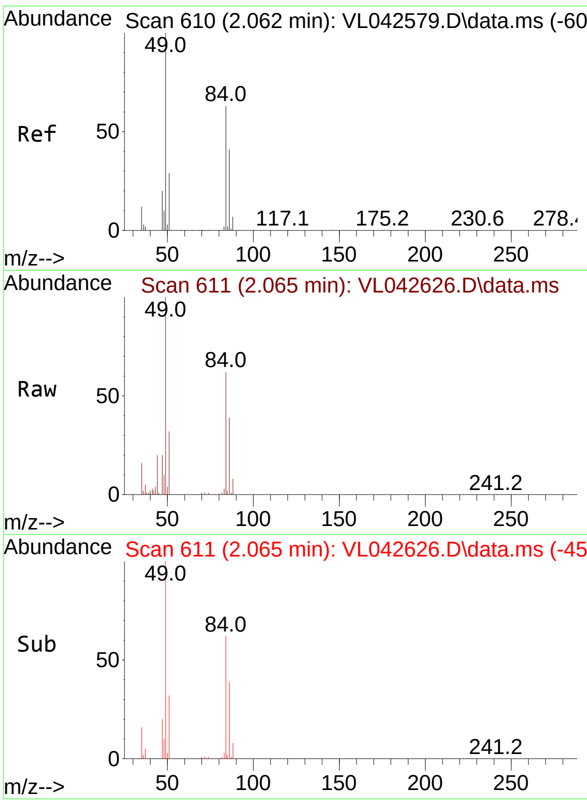
#19
Isopropyl Alcohol
Concen: 0.990 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 45 Resp: 7796

Ion	Ratio	Lower	Upper
45	100		
58	416.4	29.4	44.2#

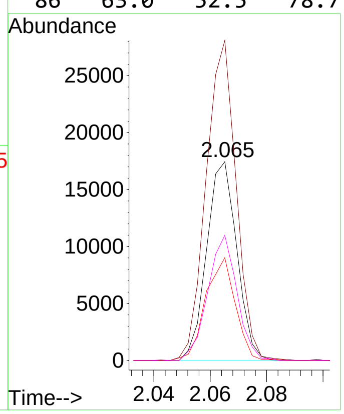


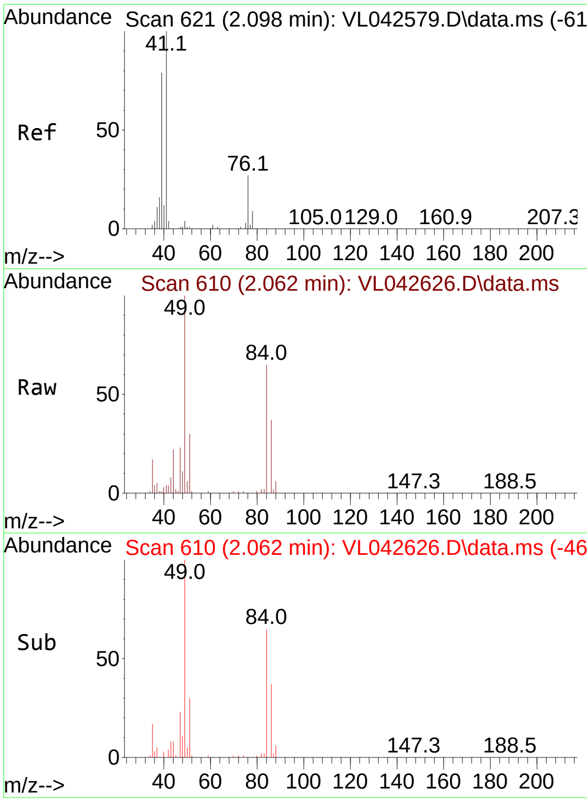


#20
Methylene Chloride
Concen: 2.984 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 84 Resp: 12977

Ion	Ratio	Lower	Upper
84	100		
49	160.3	128.8	193.2
51	51.1	38.6	57.8
86	63.0	52.5	78.7



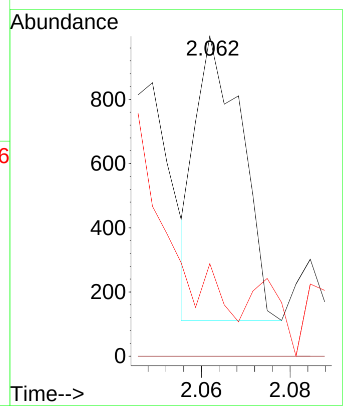


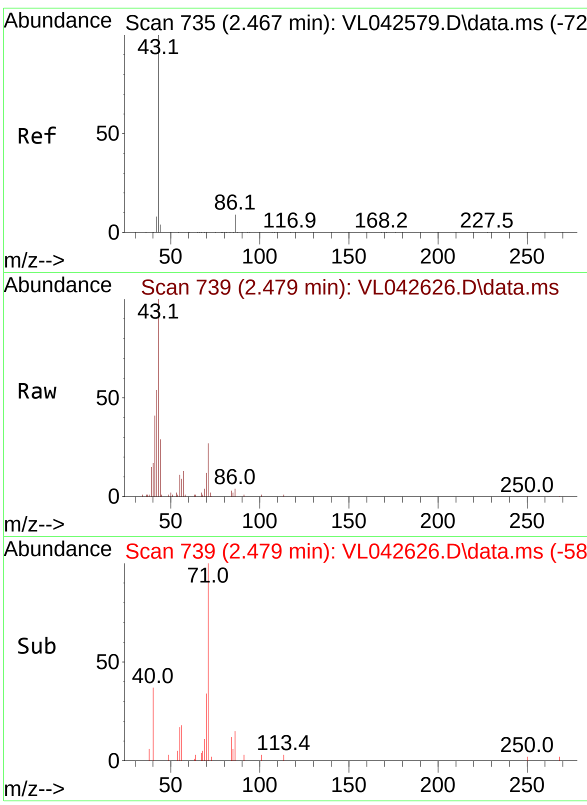
#21
Allyl Chloride
Concen: 0.069 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.036 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 41 Resp: 641

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	0.0	60.9	91.3#

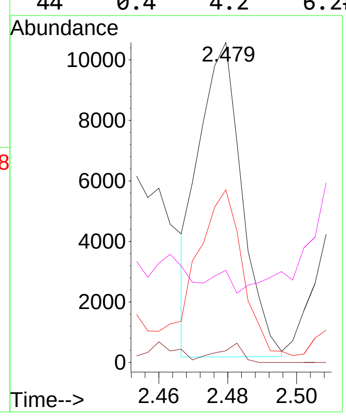


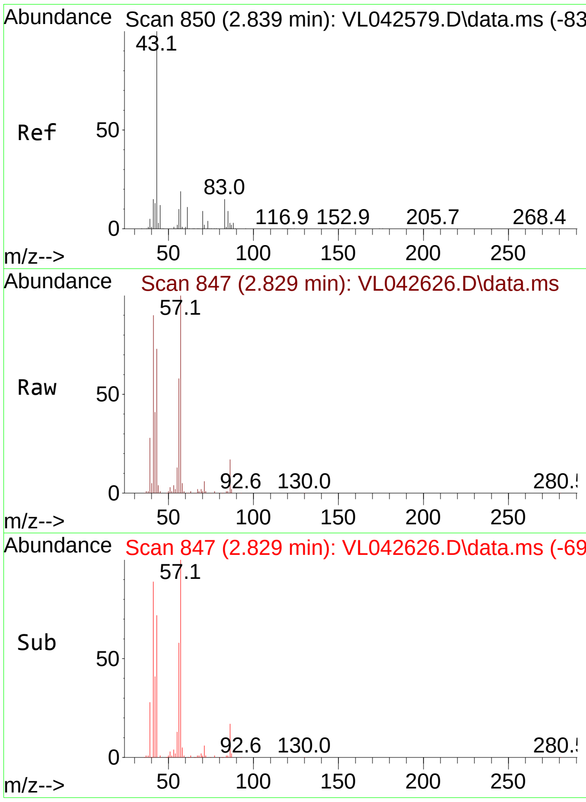


#23
Vinyl Acetate
Concen: 0.512 ppbv
RT: 2.479 min Scan# 739
Delta R.T. 0.013 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 43 Resp: 9126

Ion	Ratio	Lower	Upper
43	100		
86	3.8	6.6	9.8#
42	52.3	7.0	10.4#
44	0.4	4.2	6.2#



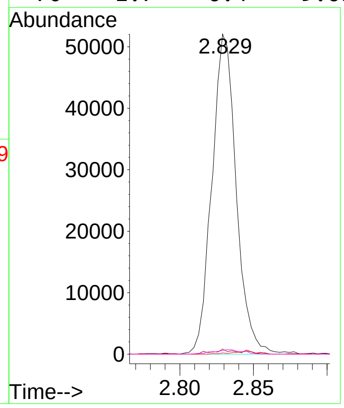


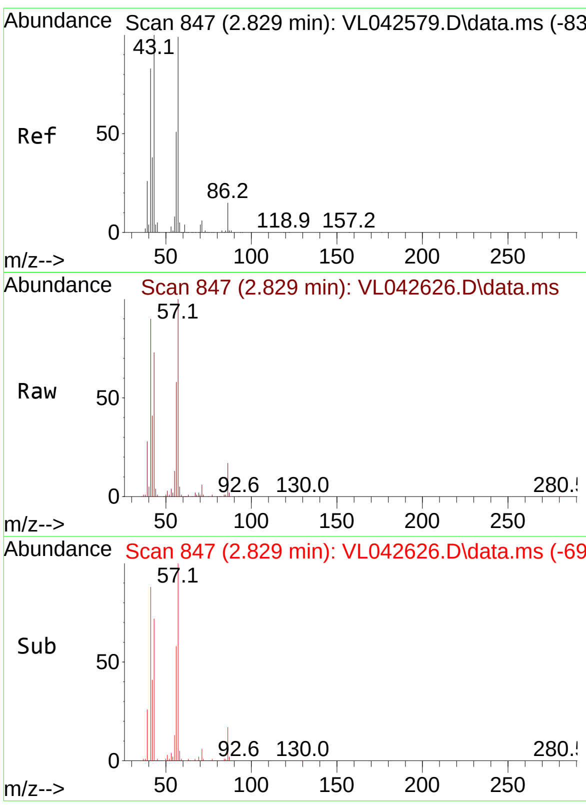
#25
Ethyl Acetate
Concen: 1.658 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 43 Resp: 59797

Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.2	12.2#
61	0.9	7.1	10.7#
70	1.7	6.4	9.6#

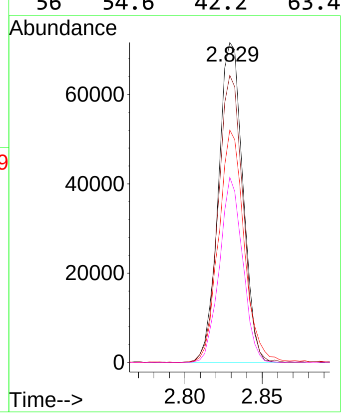


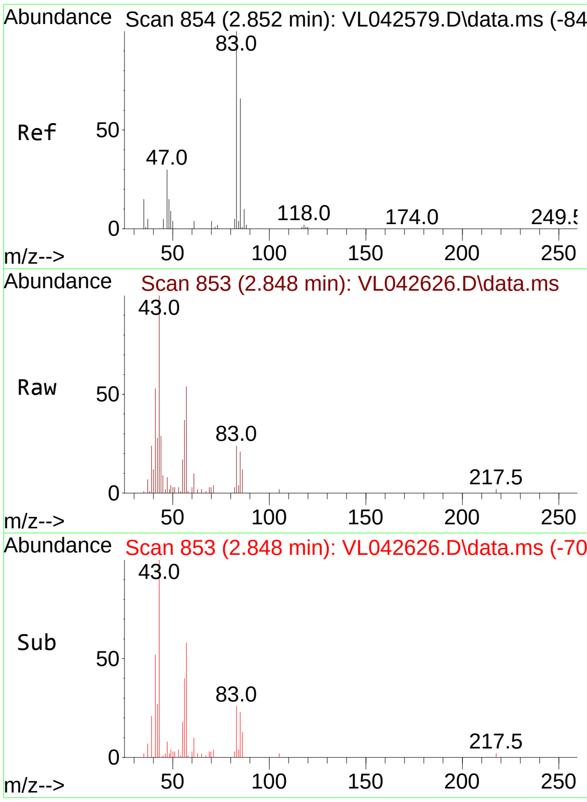


#26
Hexane
Concen: 4.824 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 57 Resp: 79039

Ion	Ratio	Lower	Upper
57	100		
41	90.3	70.6	106.0
43	76.2	181.1	271.7#
56	54.6	42.2	63.4





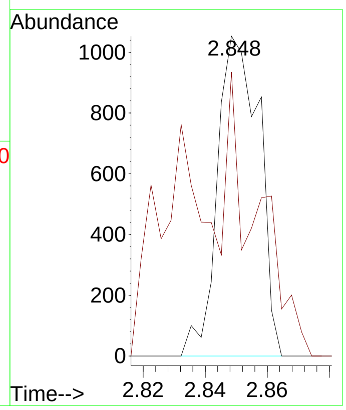
#29
Chloroform
Concen: 0.046 ppbv
RT: 2.848 min Scan# 8

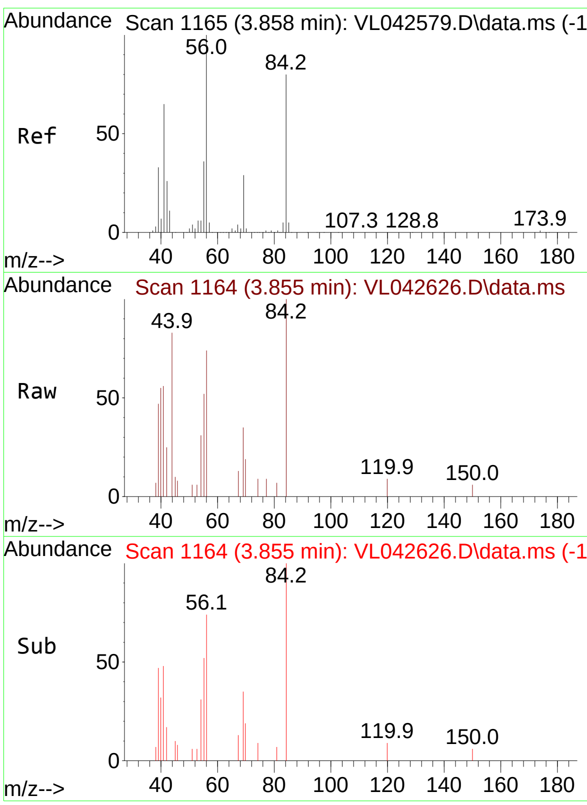
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 83 Resp: 988

Ion	Ratio	Lower	Upper
83	100		
85	74.1	52.8	79.2

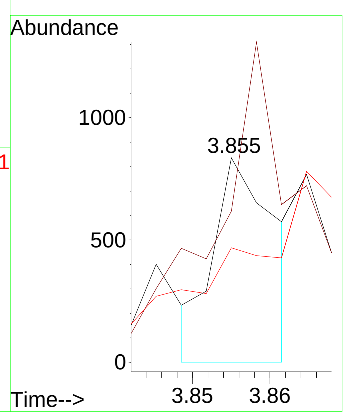


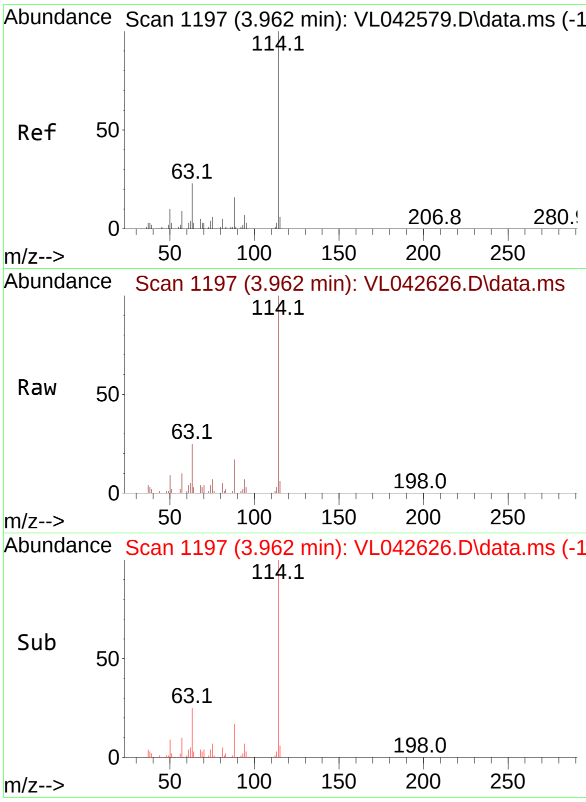


#30
Cyclohexane
Concen: 0.034 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 84 Resp: 457

Ion	Ratio	Lower	Upper
84	100		
56	327.1	103.7	155.5#
41	0.0	65.1	97.7#



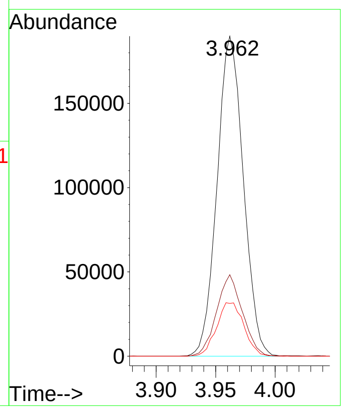


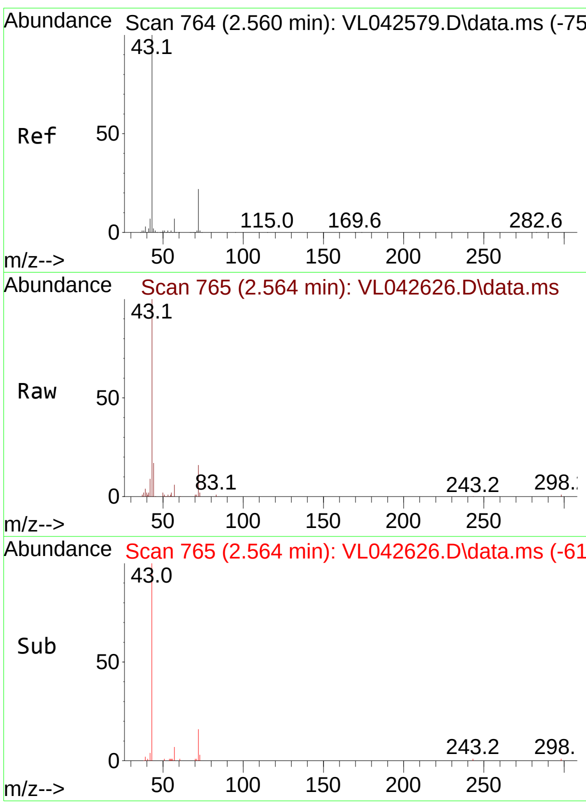
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:114 Resp: 291899

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.4	13.6	20.4

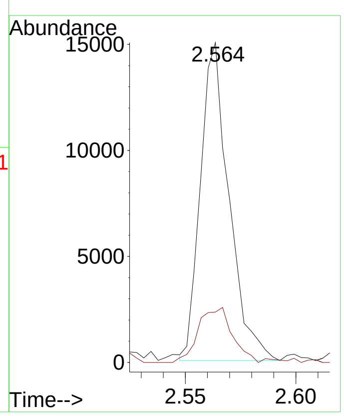


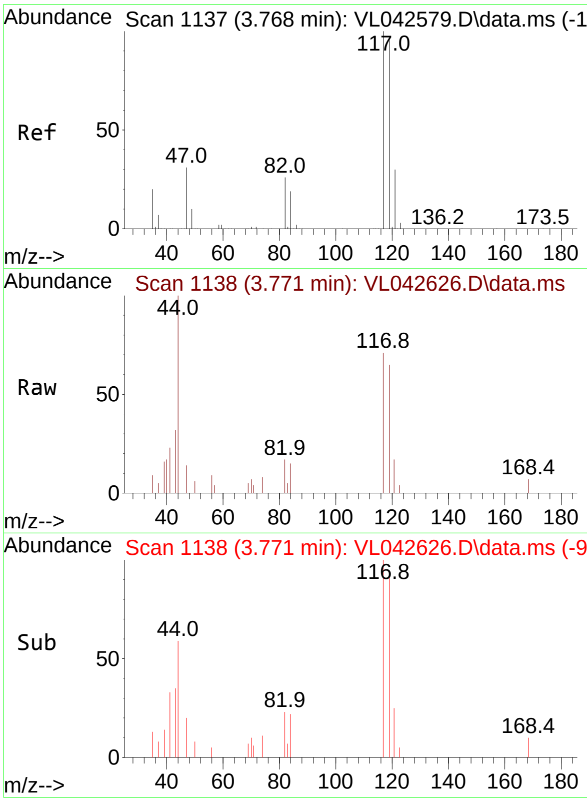


#34
2-Butanone
Concen: 0.649 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 43 Resp: 13517

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.7	26.5



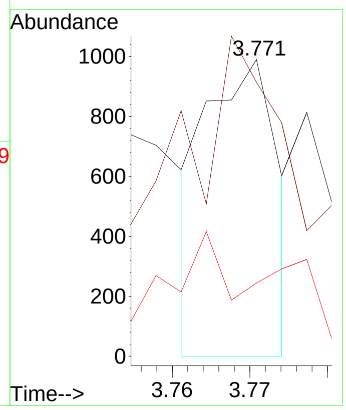


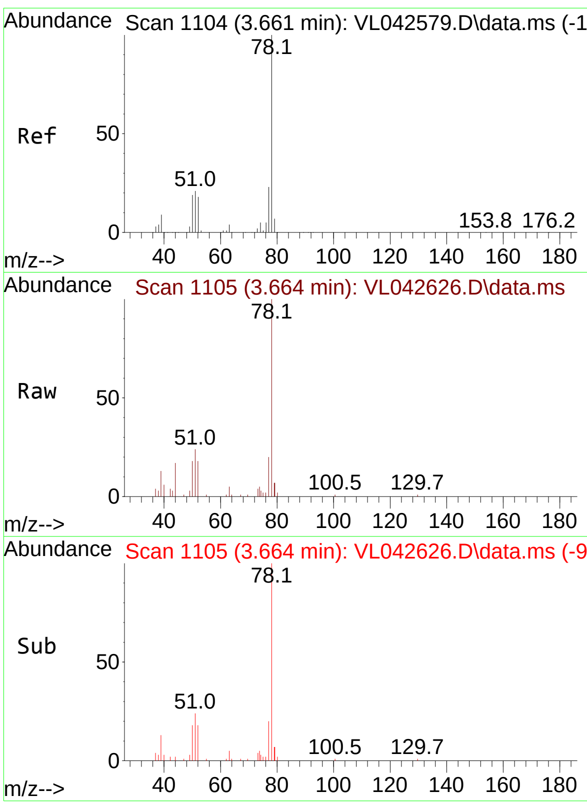
#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:117 Resp: 640

Ion	Ratio	Lower	Upper
117	100		
119	34.8	76.8	115.2#
121	7.7	24.3	36.5#

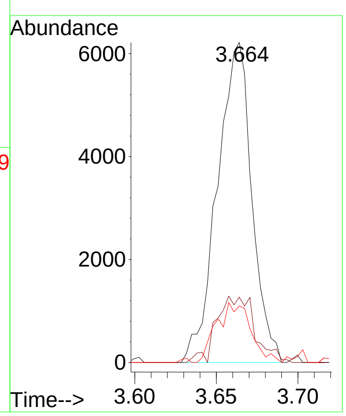


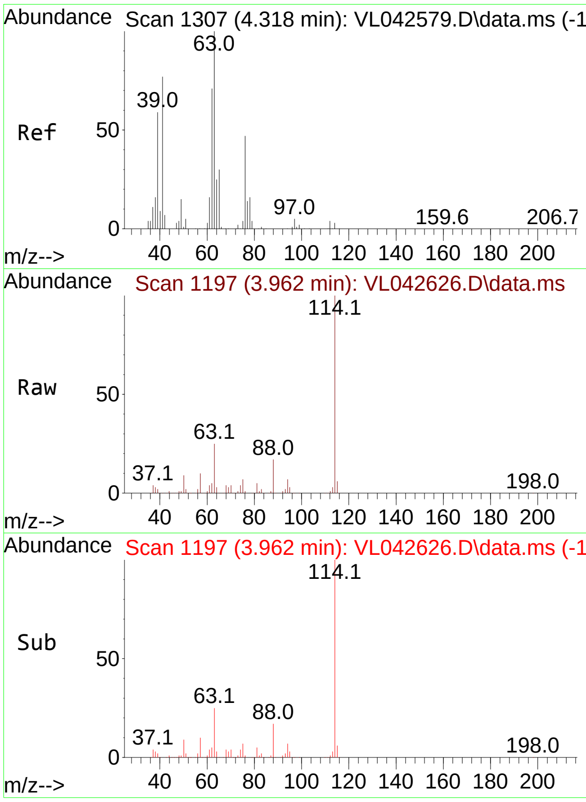


#36
Benzene
Concen: 0.318 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 78 Resp: 9139

Ion	Ratio	Lower	Upper
78	100		
77	20.4	18.2	27.2
50	17.6	15.2	22.8





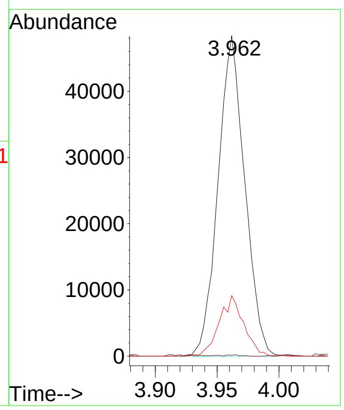
#39
1,2-Dichloropropane
Concen: 6.861 ppbv
RT: 3.962 min Scan# 1

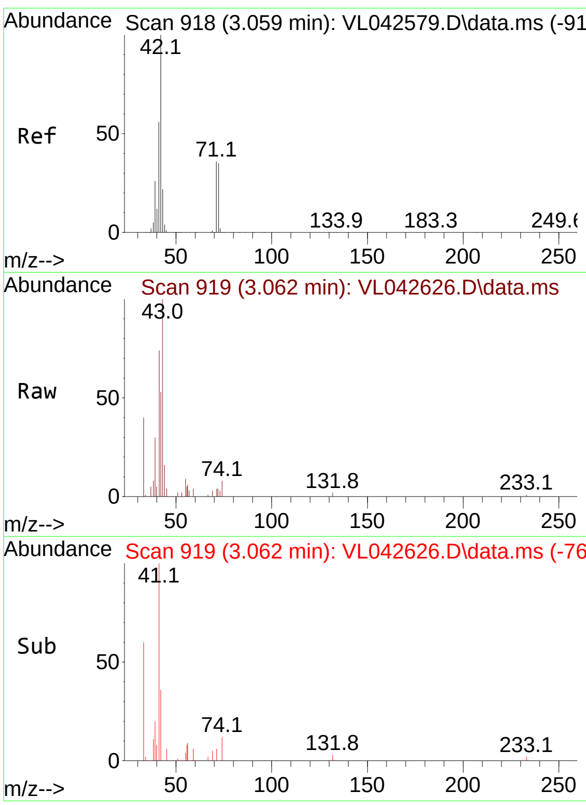
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Delta R.T. -0.356 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 63 Resp: 72937

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.8	92.6#
62	18.9	56.6	85.0#

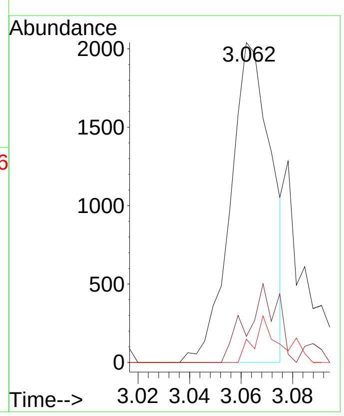


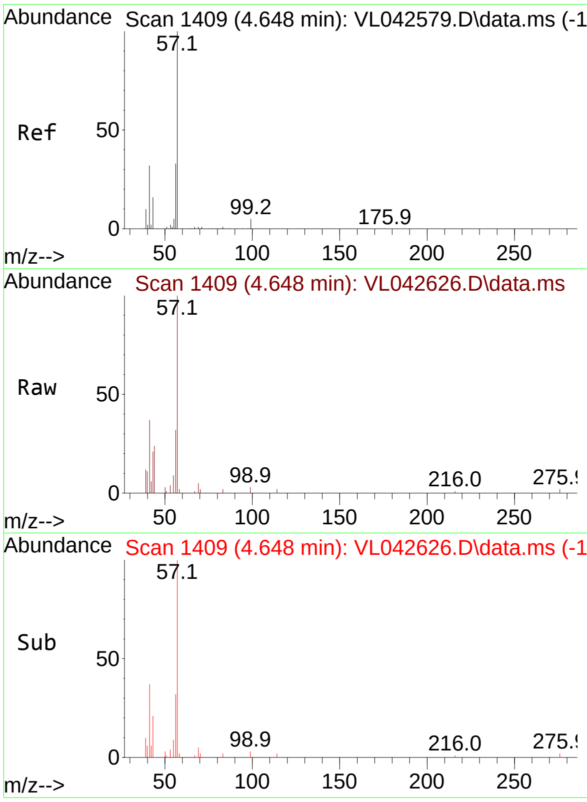


#41
Tetrahydrofuran
Concen: 0.185 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 42 Resp: 2255

Ion	Ratio	Lower	Upper
42	100		
72	21.3	28.9	43.3#
71	9.4	28.5	42.7#



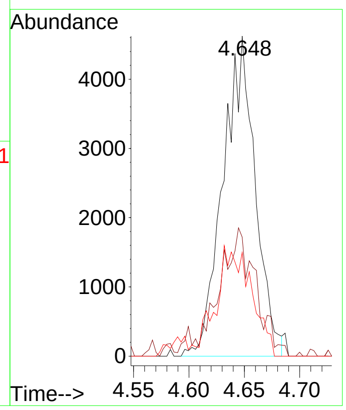


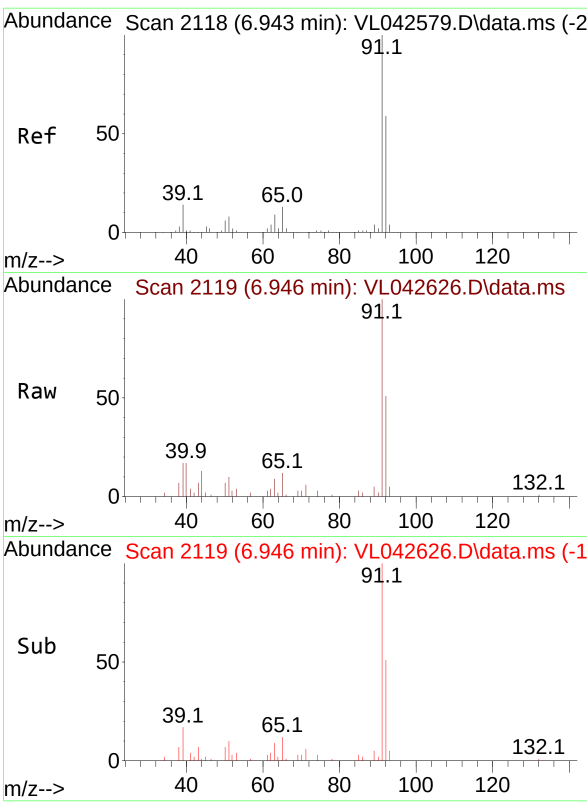
#44
2,2,4-Trimethylpentane
Concen: 0.191 ppbv
RT: 4.648 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 57 Resp: 9375

Ion	Ratio	Lower	Upper
57	100		
41	46.6	26.1	39.1#
56	40.9	25.9	38.9#

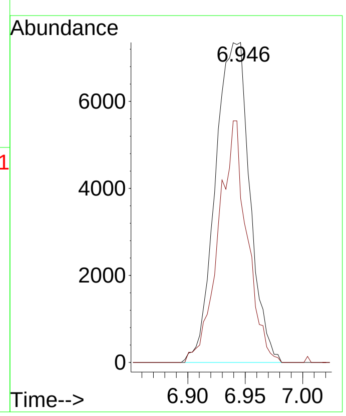


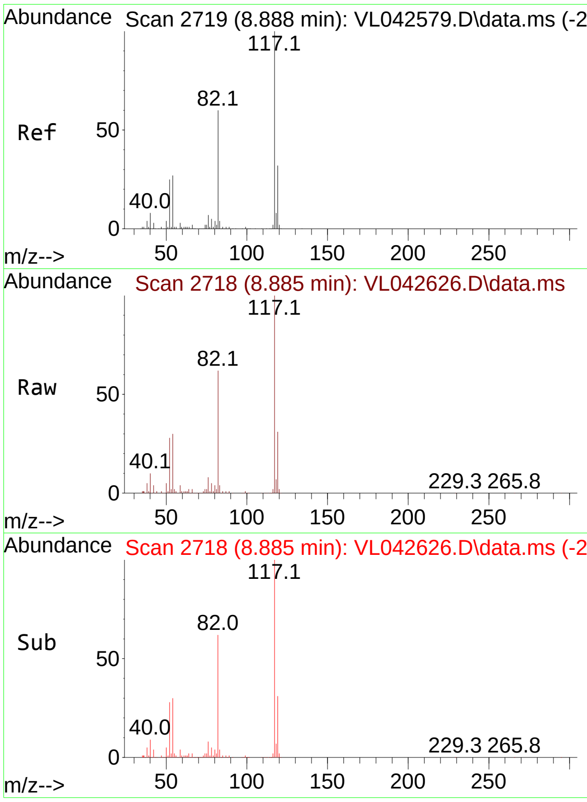


#53
Toluene
Concen: 0.461 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 91 Resp: 15331

Ion	Ratio	Lower	Upper
91	100		
92	63.0	48.2	72.4



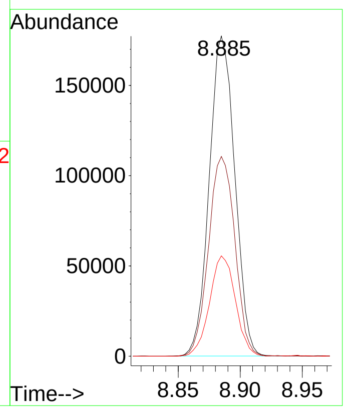


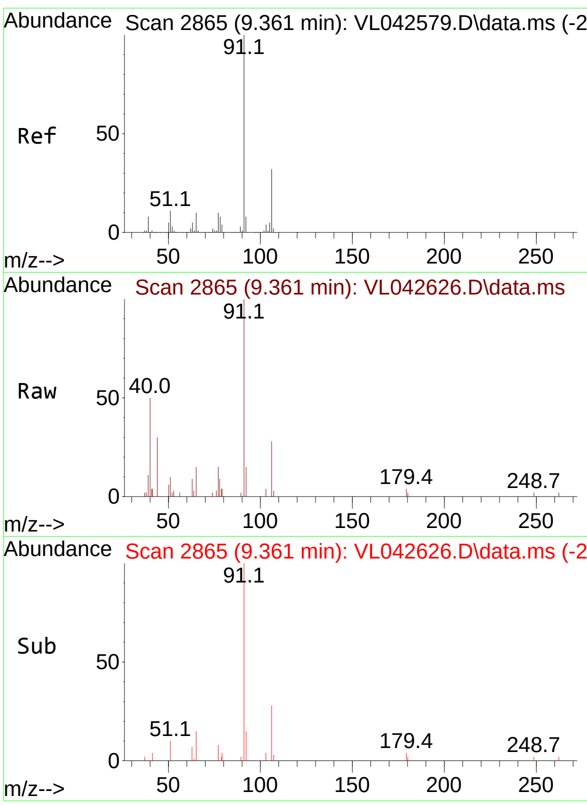
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:117 Resp: 254916

Ion	Ratio	Lower	Upper
117	100		
82	64.4	51.2	76.8
119	31.6	26.3	39.5

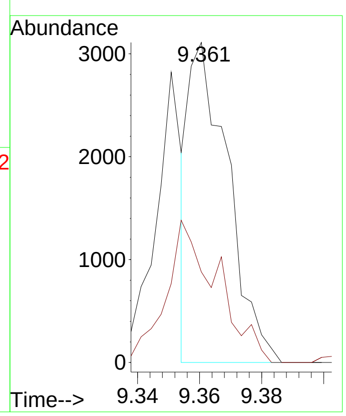


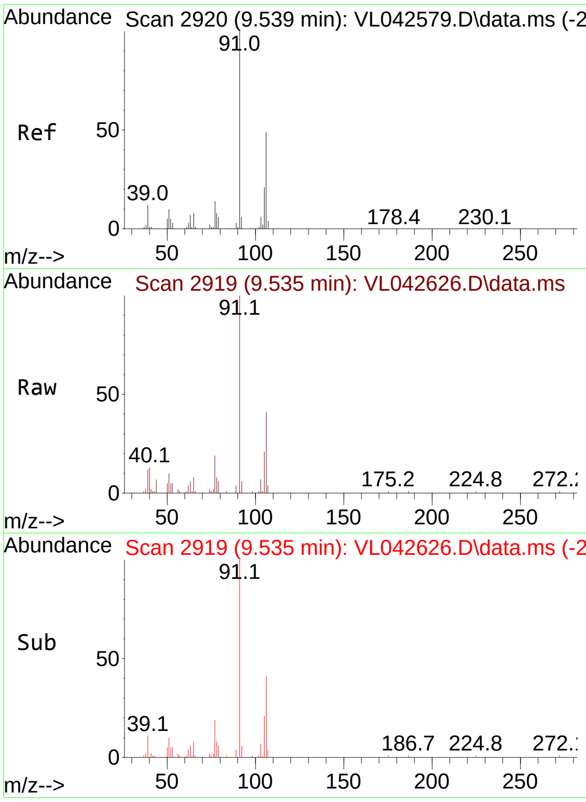


#58
Ethyl Benzene
Concen: 0.064 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 91 Resp: 2750

Ion	Ratio	Lower	Upper
91	100		
106	28.3	25.9	38.9



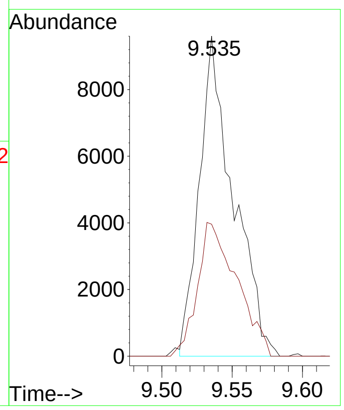


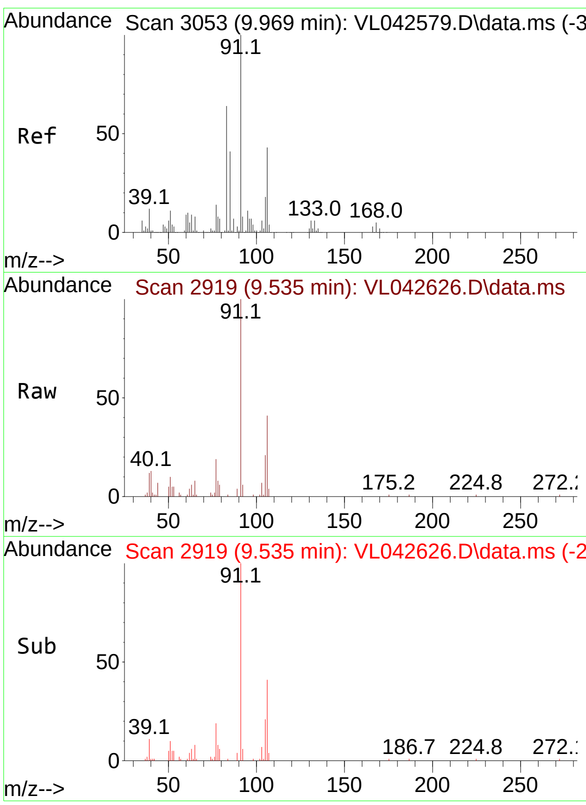
#59
m/p-Xylene
Concen: 0.474 ppbv
RT: 9.535 min Scan# 29
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion: 91 Resp: 16145

Ion	Ratio	Lower	Upper
91	100		
106	48.2	38.8	58.2

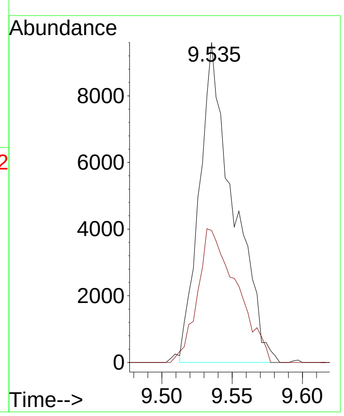


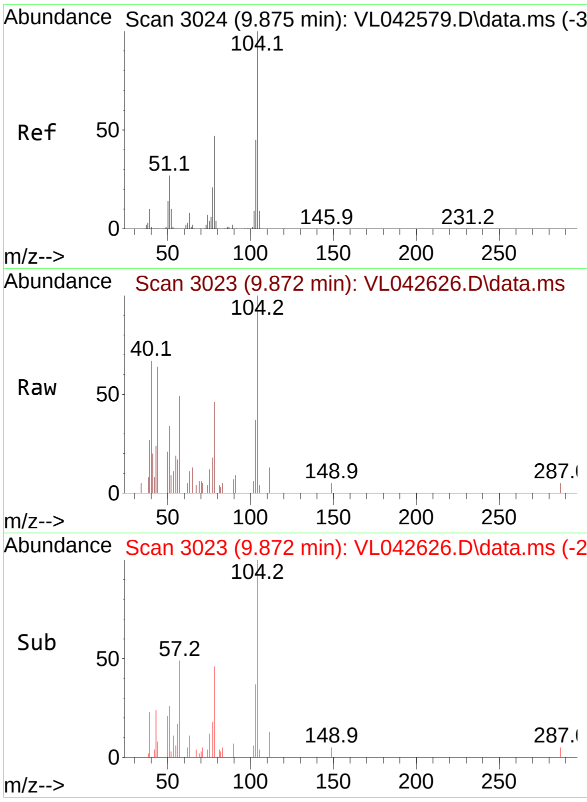


#60
o-Xylene
Concen: 0.476 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.434 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 91 Resp: 16145

Ion	Ratio	Lower	Upper
91	100		
106	48.2	22.9	68.5



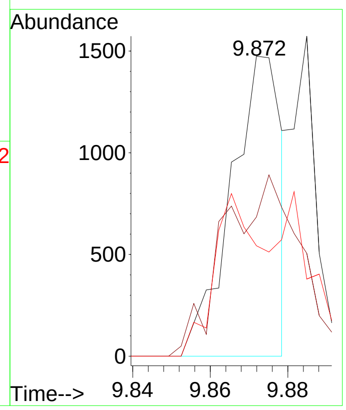


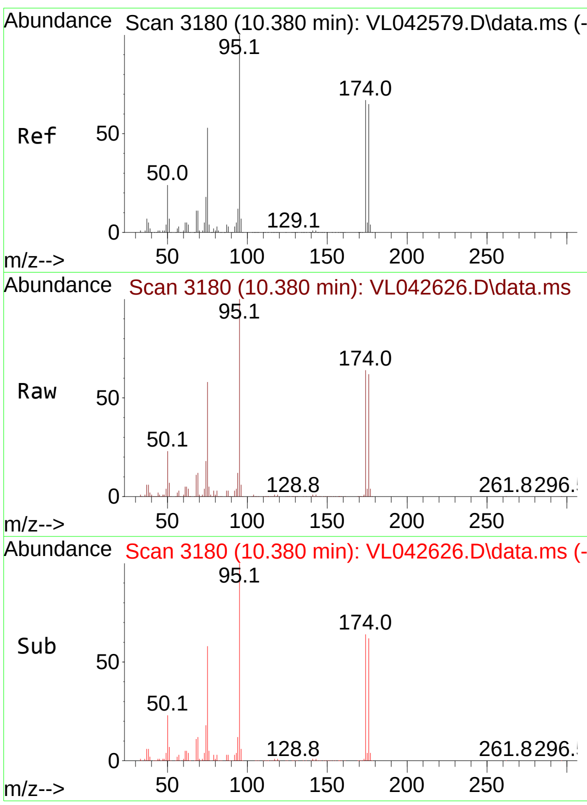
#61
Styrene
Concen: 0.083 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:104 Resp: 1324

Ion	Ratio	Lower	Upper
104	100		
78	91.1	38.2	57.4#
103	0.0	36.7	55.1#

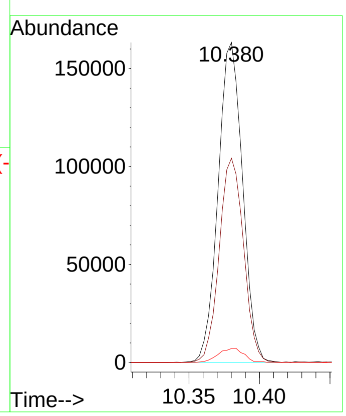


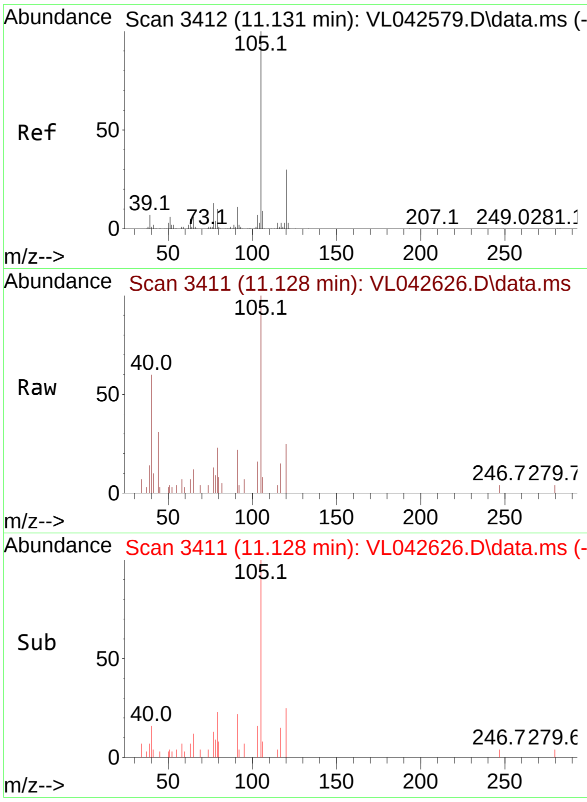


#68
1-Bromo-4-Fluorobenzene
Concen: 10.311 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion: 95 Resp: 197031

Ion	Ratio	Lower	Upper
95	100		
174	63.6	53.1	79.7
175	4.7	4.2	6.2



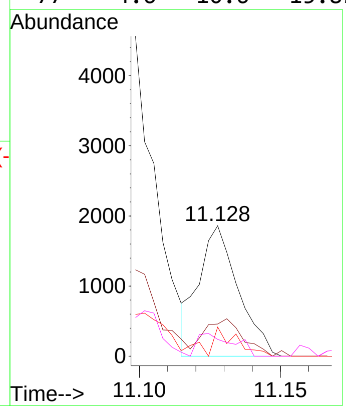


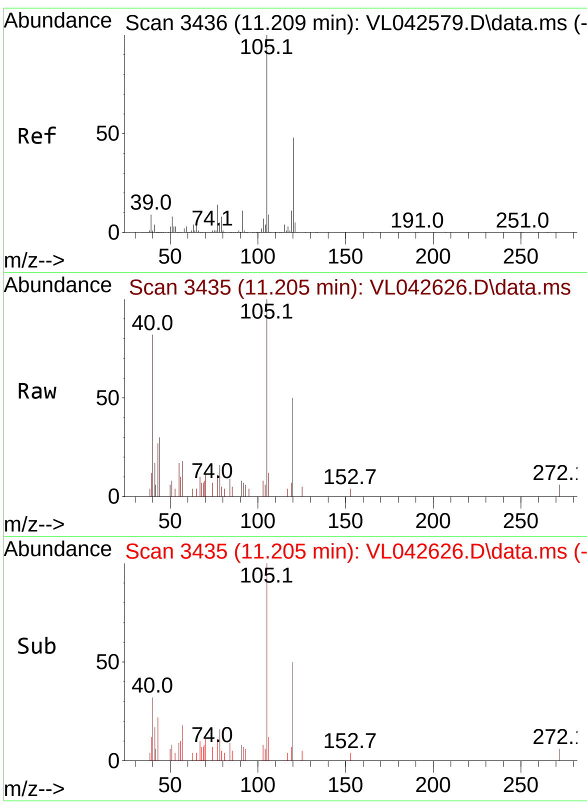
#72
4-Ethyltoluene
Concen: 0.043 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:105 Resp: 1830

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.6	36.8#
91	0.0	9.6	14.4#
77	4.6	10.6	15.8#

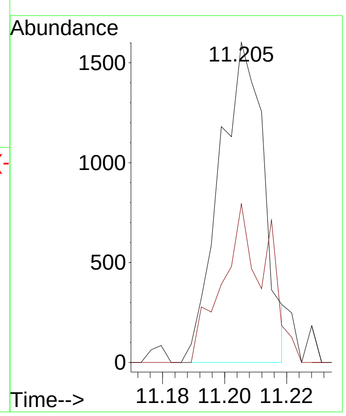


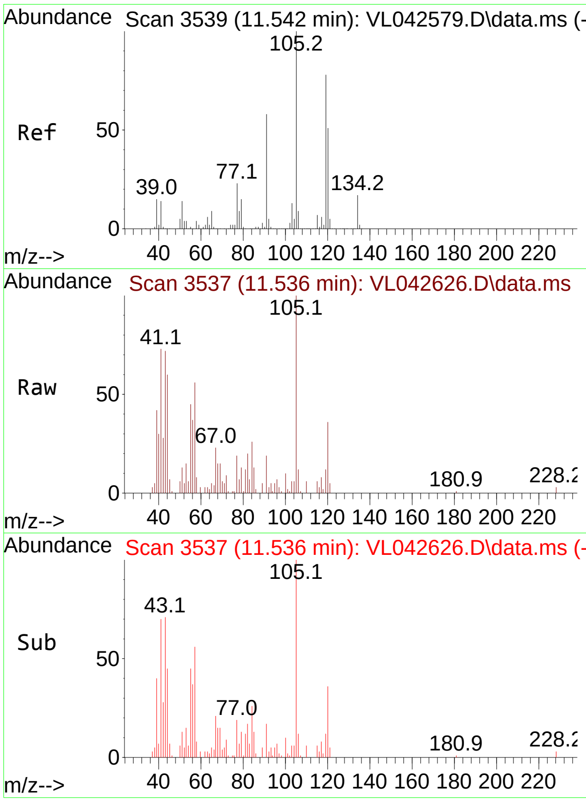


#73
1,3,5-Trimethylbenzene
Concen: 0.046 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. -0.003 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:105 Resp: 1598

Ion	Ratio	Lower	Upper
105	100		
120	49.6	38.8	58.2





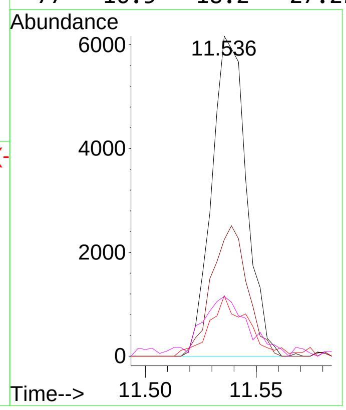
#74
1,2,4-Trimethylbenzene
Concen: 0.172 ppbv
RT: 11.536 min Scan# 3

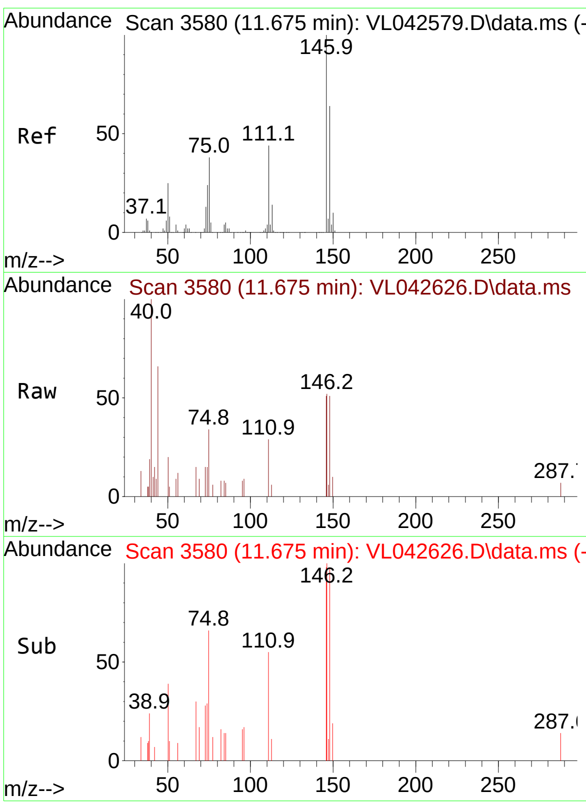
Instrument :
MSVOA_L
ClientSampleId :
AA-3

Delta R.T. -0.007 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:105 Resp: 6700

Ion	Ratio	Lower	Upper
105	100		
120	36.4	40.8	61.2#
91	17.0	46.8	70.2#
77	16.5	18.2	27.2#

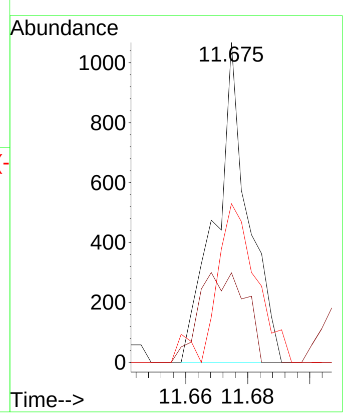


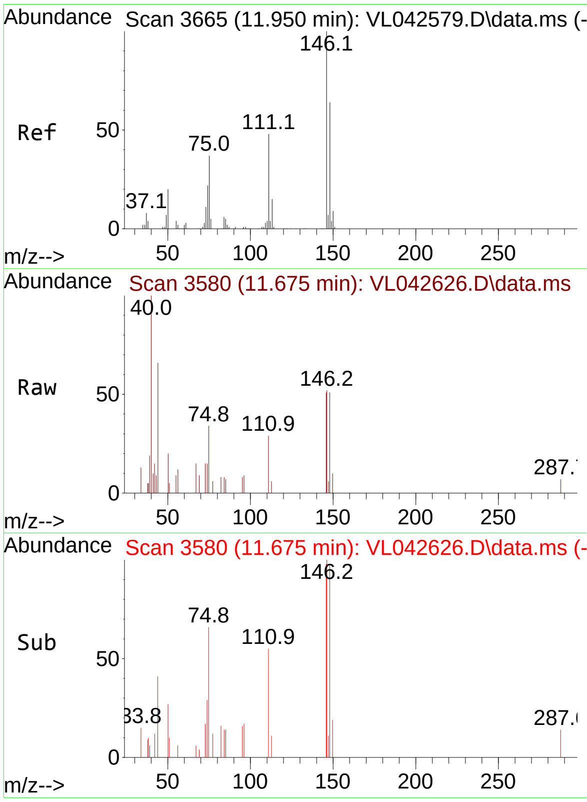


#76
1,4-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:146 Resp: 776

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.6	64.8
148	61.5	32.1	96.5



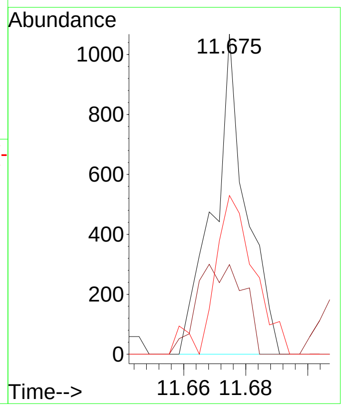


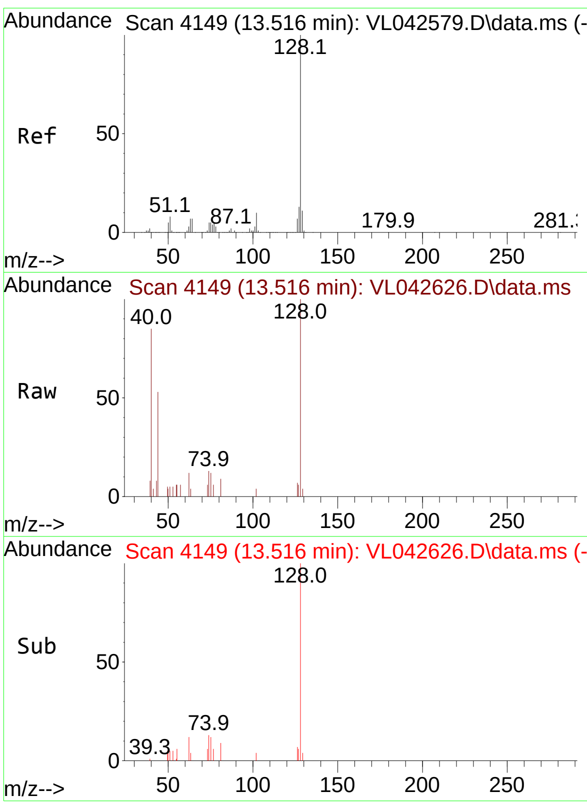
#77
1,2-Dichlorobenzene
Concen: 0.033 ppbv
RT: 11.675 min Scan# 3
Delta R.T. -0.275 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Instrument :
MSVOA_L
ClientSampleId :
AA-3

Tgt Ion:146 Resp: 776

Ion	Ratio	Lower	Upper
146	100		
111	41.0	23.1	69.3
148	61.5	32.1	96.3

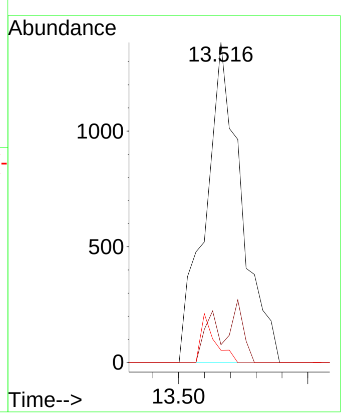




#79
Naphthalene
Concen: 0.036 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL042626.D
Acq: 16 Jun 2025 13:27

Tgt Ion:128 Resp: 1334

Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.2	15.4#
129	3.8	8.8	13.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042627.D
Acq On : 16 Jun 2025 14:01
Operator : SY/MD
Sample : Q2317-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Quant Time: Jun 17 03:05:15 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	2.784	49	104604	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	283556	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.882	117	252613	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.374	95	194543	10.273 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.700%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.496	85	6247	0.486 ppbv	95
3) Chlorodifluoromethane	1.476	51	15236	0.860 ppbv #	82
4) Chloromethane	1.531	50	2768	0.544 ppbv	91
5) Vinyl Chloride	1.486	62	260	0.050 ppbv #	68
9) Propene	1.486	41	5228	0.733 ppbv	95
10) Heptane	4.965	43	1487	0.074 ppbv #	28
11) Trichlorofluoromethane	1.877	101	3327	0.278 ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	712	0.076 ppbv #	42
13) Ethanol	1.719	45	14346	16.882 ppbv	94
15) Acetone	1.835	43	134074	10.641 ppbv	97
16) 1,3-Butadiene	1.599	39	772	0.129 ppbv #	38
17) tert-Butyl alcohol	2.039	59	1997	0.152 ppbv #	72
19) Isopropyl Alcohol	1.887	45	7289	0.968 ppbv #	1
20) Methylene Chloride	2.062	84	13551	3.259 ppbv	94
21) Allyl Chloride	2.059	41	742	0.083 ppbv #	21
23) Vinyl Acetate	2.450	43	9643	0.566 ppbv #	93
25) Ethyl Acetate	2.826	43	57182	1.658 ppbv #	79
26) Hexane	2.826	57	77534	4.949 ppbv #	43
27) Carbon Disulfide	2.149	76	363	0.030 ppbv #	1
29) Chloroform	2.848	83	923	0.045 ppbv #	80
34) 2-Butanone	2.560	43	12371	0.612 ppbv	96
36) Benzene	3.651	78	8632	0.309 ppbv #	91
39) 1,2-Dichloropropane	3.959	63	72334	7.005 ppbv #	22
41) Tetrahydrofuran	3.056	42	3150	0.266 ppbv #	59
44) 2,2,4-Trimethylpentane	4.638	57	5098	0.107 ppbv #	42
50) 4-Methyl-2-Pentanone	5.758	43	1795	0.064 ppbv #	1
53) Toluene	6.927	91	9546	0.296 ppbv #	20
58) Ethyl Benzene	9.354	91	4800	0.112 ppbv #	86
59) m/p-Xylene	9.526	91	17094	0.507 ppbv	96
60) o-Xylene	9.963	91	7978	0.237 ppbv	94
61) Styrene	9.869	104	2265	0.142 ppbv	91
72) 4-Ethyltoluene	11.125	105	1930	0.046 ppbv #	55
73) 1,3,5-Trimethylbenzene	11.202	105	1566	0.045 ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	6660	0.173 ppbv #	70
79) Naphthalene	13.513	128	1205	0.033 ppbv #	96

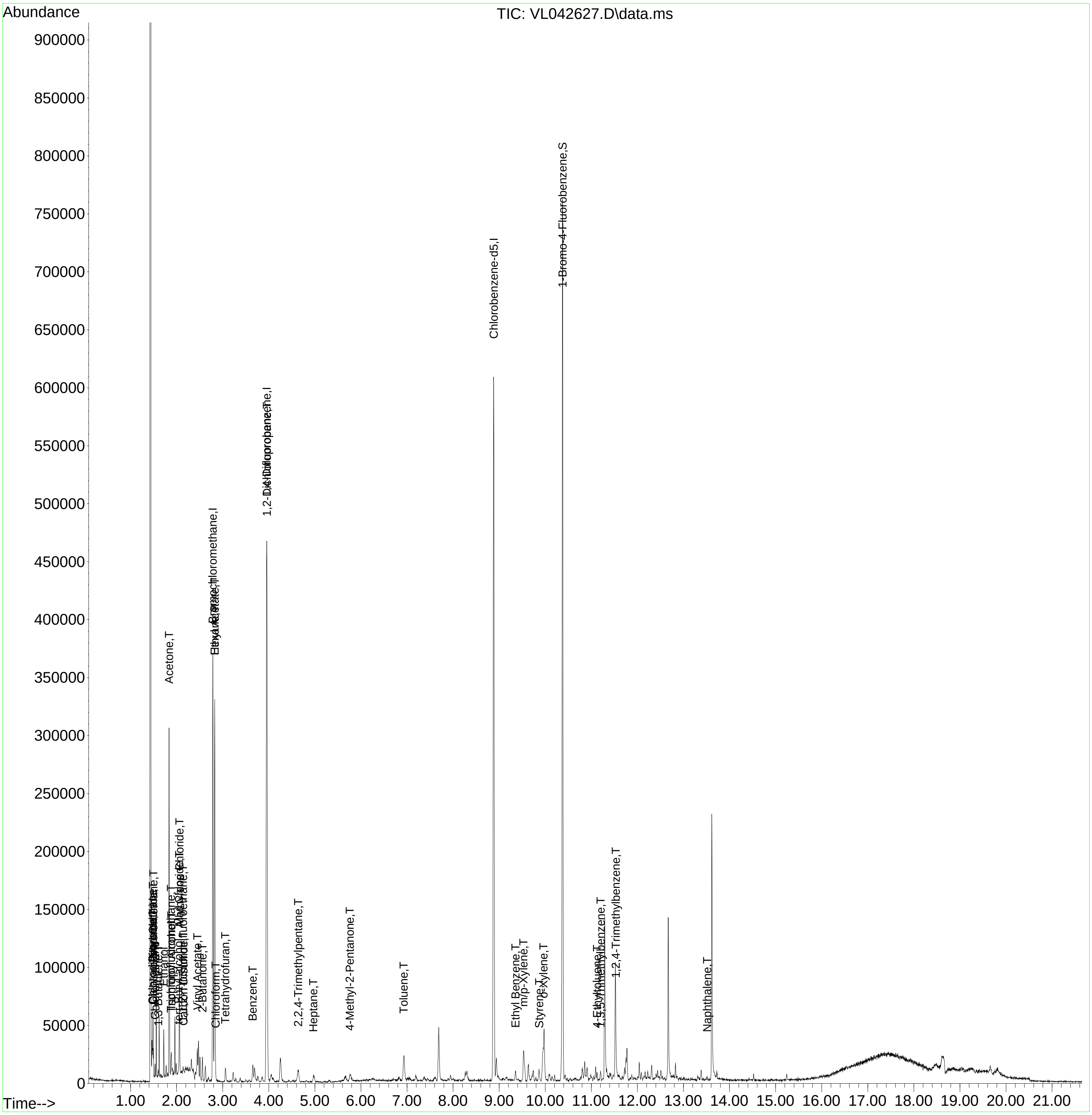
(#) = qualifier out of range (m) = manual integration (+) = signals summed

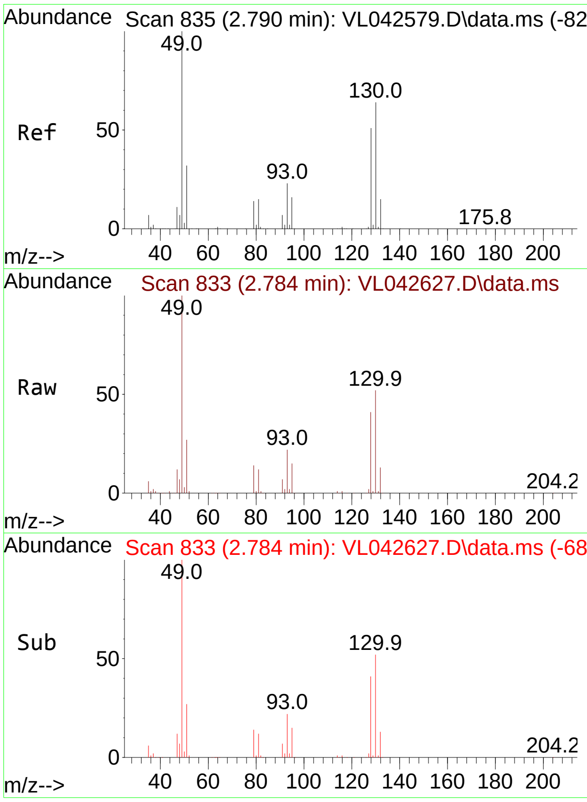
Quantitation Report   (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042627.D
Acq On   : 16 Jun 2025 14:01
Operator : SY/MD
Sample   : Q2317-01DUP
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Quant Time: Jun 17 03:05:15 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



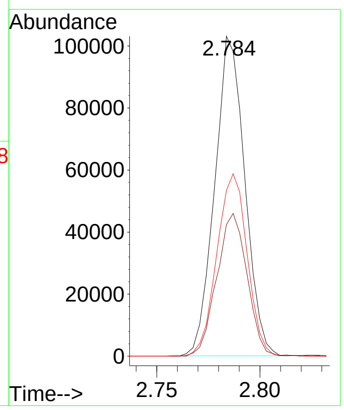


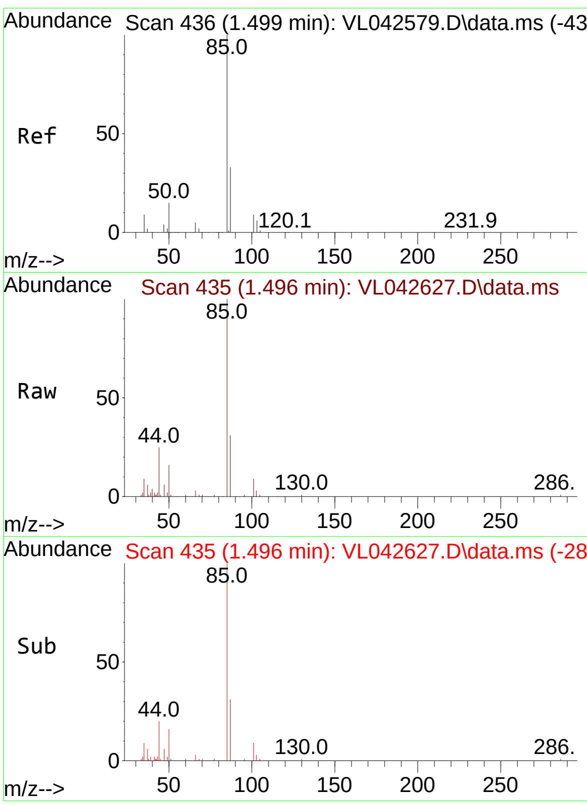
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 49 Resp: 104604

Ion	Ratio	Lower	Upper
49	100		
128	45.0	24.2	72.6
130	57.6	30.4	91.2

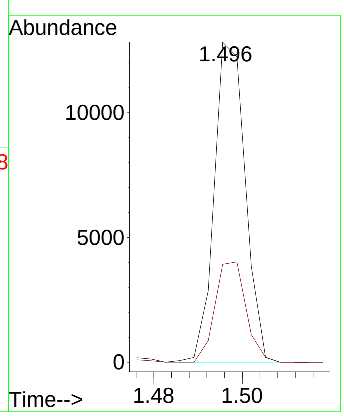


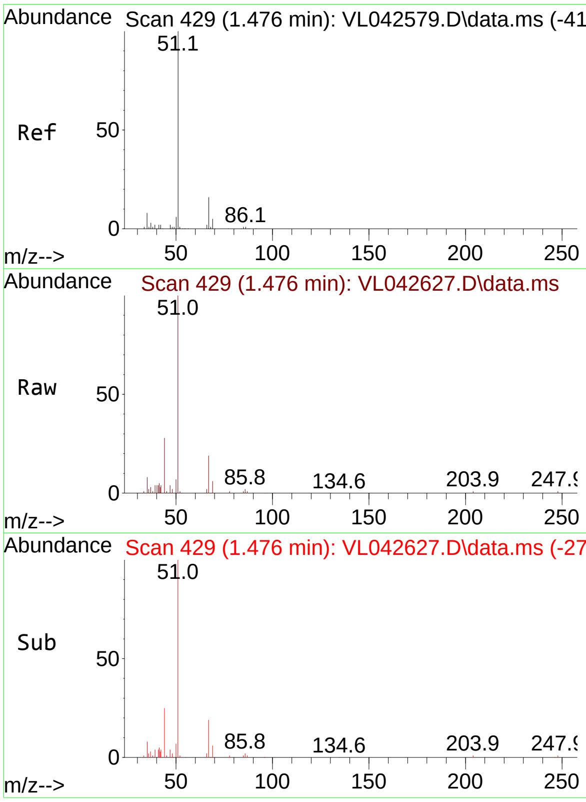


#2
Dichlorodifluoromethane
Concen: 0.486 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 85 Resp: 6247

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.6	39.8



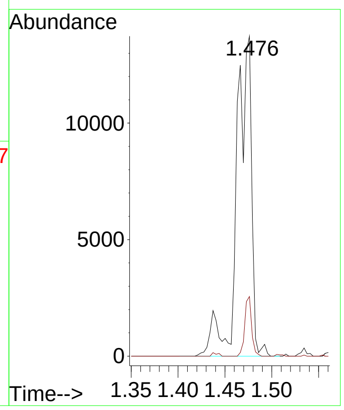


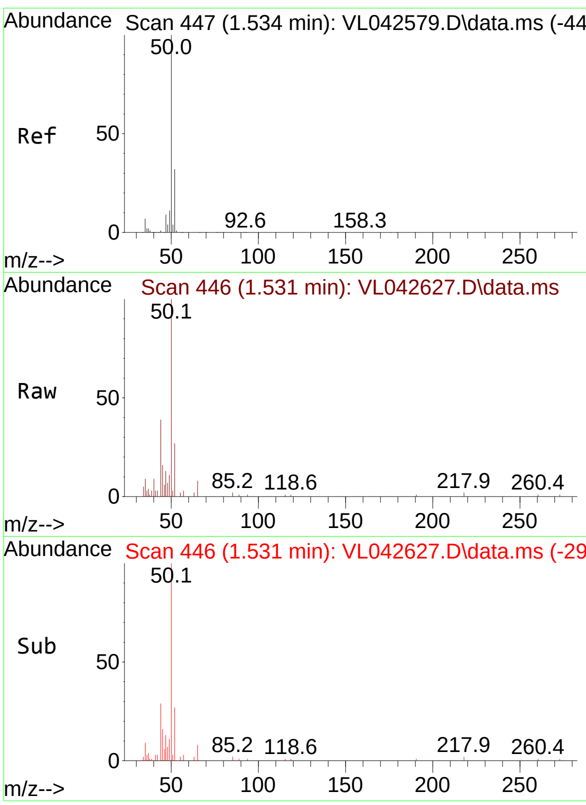
#3
Chlorodifluoromethane
Concen: 0.860 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 51 Resp: 15236

Ion	Ratio	Lower	Upper
51	100		
67	9.0	13.4	20.2#

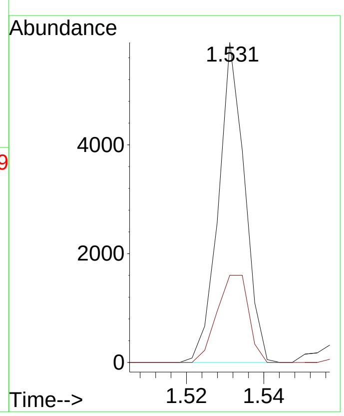


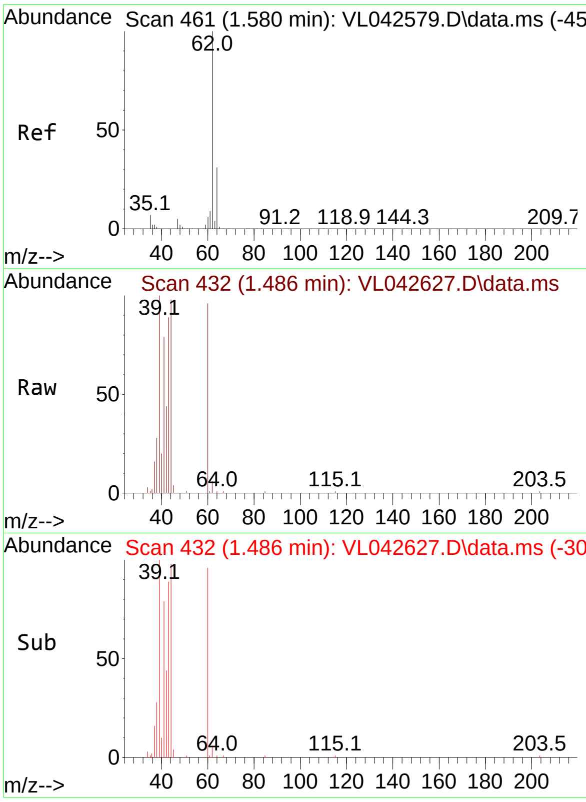


#4
Chloromethane
Concen: 0.544 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 50 Resp: 2768

Ion	Ratio	Lower	Upper
50	100		
52	27.3	25.8	38.6



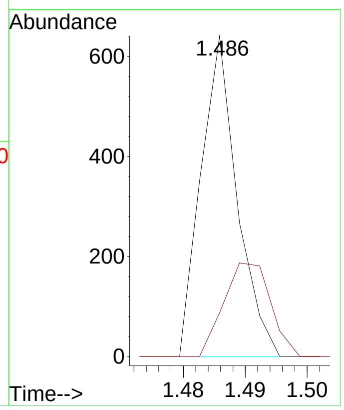


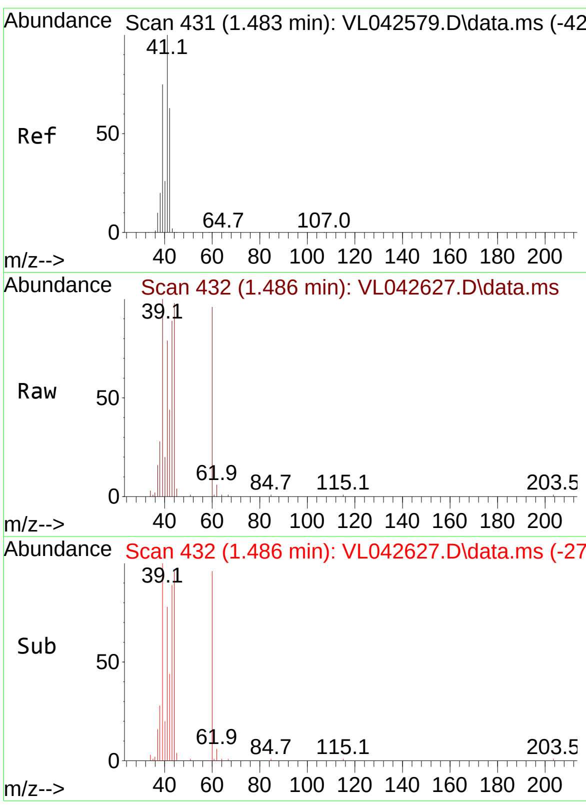
#5
Vinyl Chloride
Concen: 0.050 ppbv
RT: 1.486 min   Scan# 4
Delta R.T.   -0.094 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 62 Resp: 260

Ion	Ratio	Lower	Upper
62	100		
64	13.6	24.9	37.3#

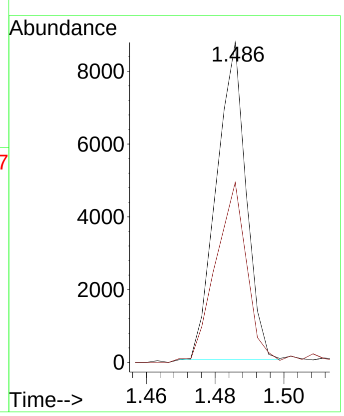


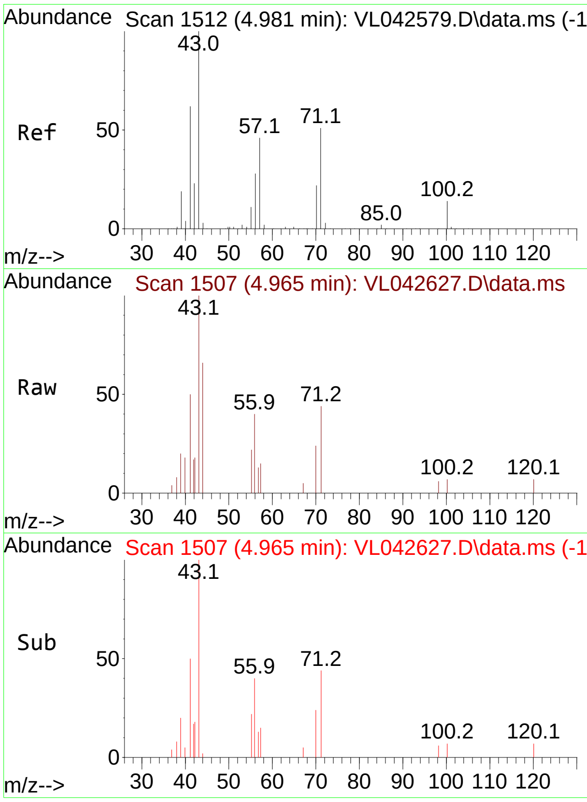


#9
Propene
Concen: 0.733 ppbv
RT: 1.486 min   Scan# 432
Delta R.T.   0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Tgt Ion: 41 Resp: 5228

Ion	Ratio	Lower	Upper
41	100		
42	62.4	53.3	79.9





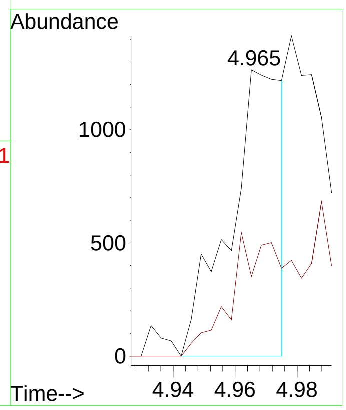
#10
Heptane
Concen: 0.074 ppbv
RT: 4.965 min Scan# 1

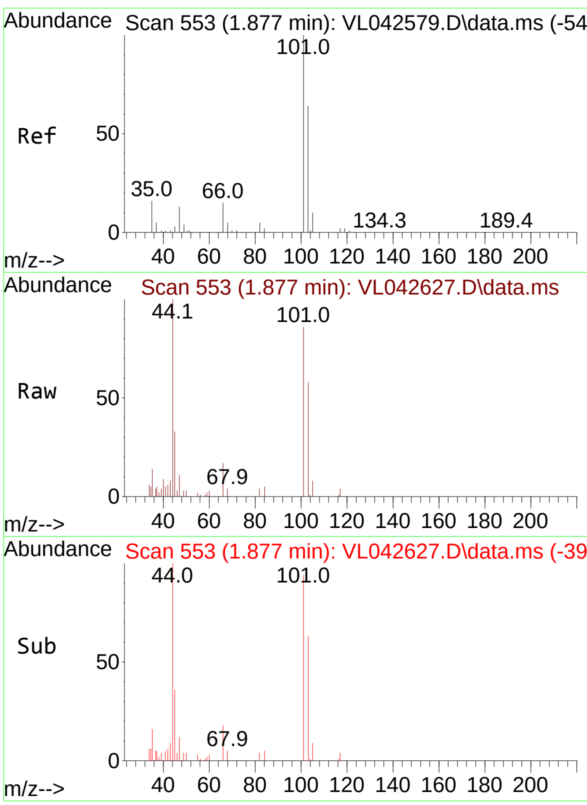
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Delta R.T. -0.016 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 1487

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#

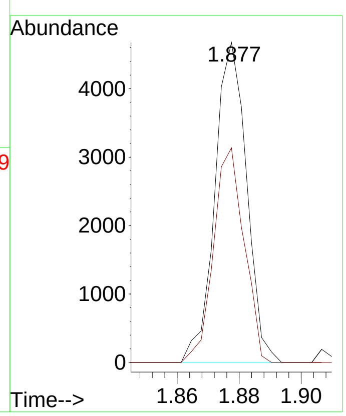


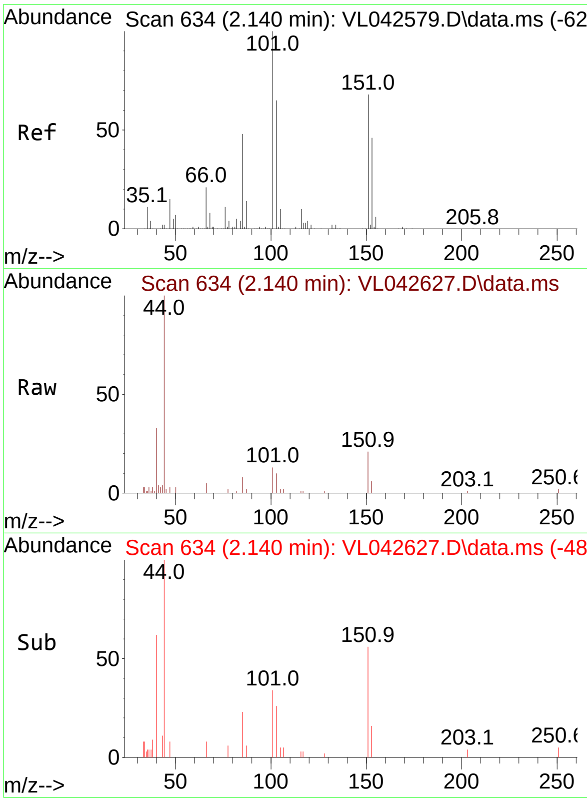


#11
Trichlorofluoromethane
Concen: 0.278 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:101 Resp: 3327

Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.5	77.3



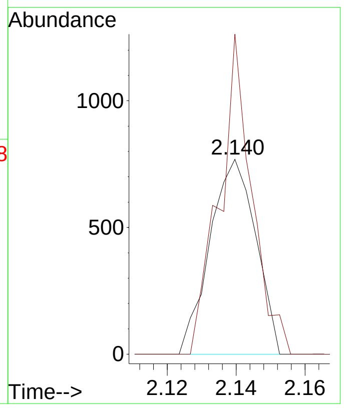


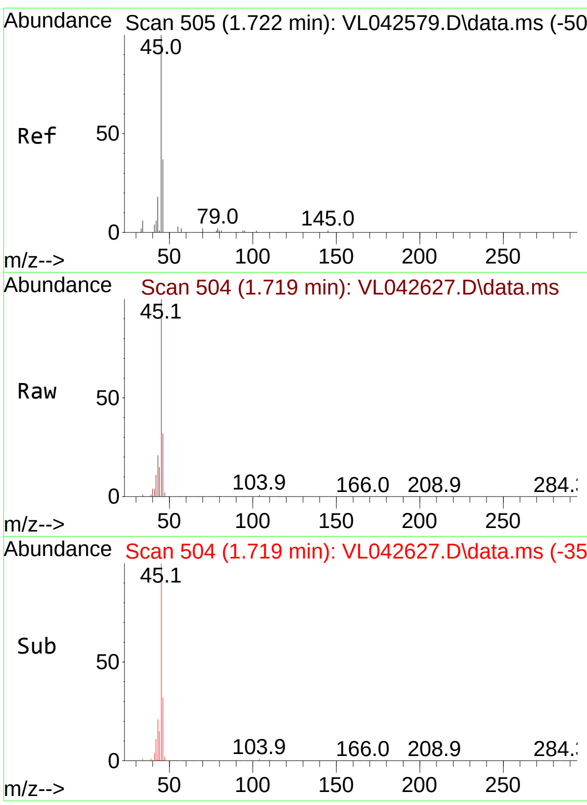
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv
RT: 2.140 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion:101 Resp: 712

Ion	Ratio	Lower	Upper
101	100		
151	116.6	55.3	82.9#

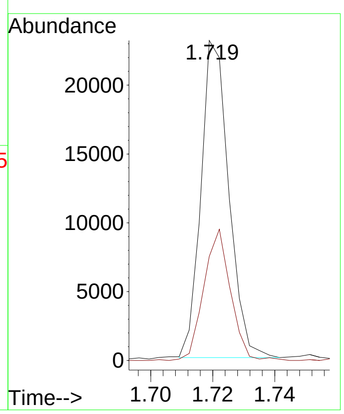


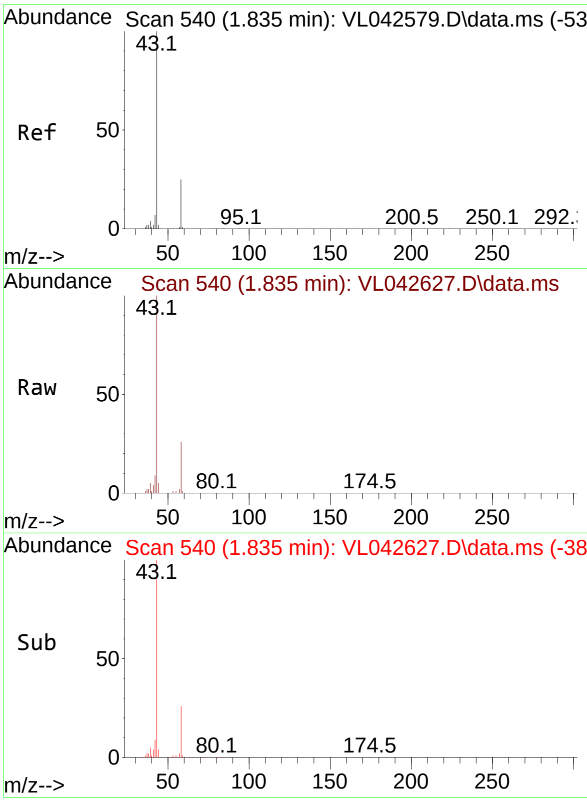


#13
Ethanol
Concen: 16.882 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 45 Resp: 14346

Ion	Ratio	Lower	Upper
45	100		
46	39.8	14.5	58.1



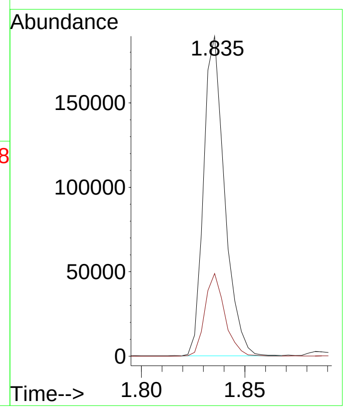


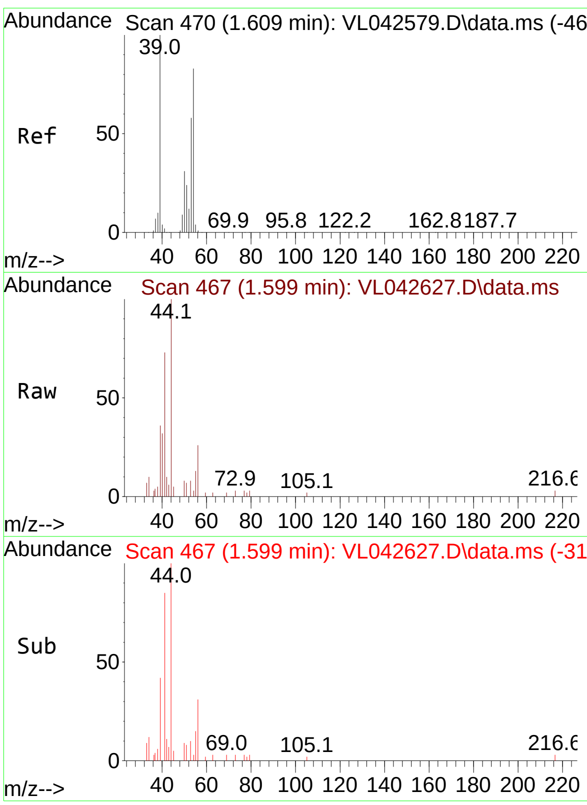
#15
Acetone
Concen: 10.641 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 43 Resp: 134074

Ion	Ratio	Lower	Upper
43	100		
58	24.4	21.0	31.4

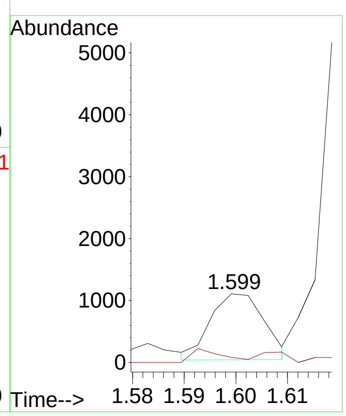


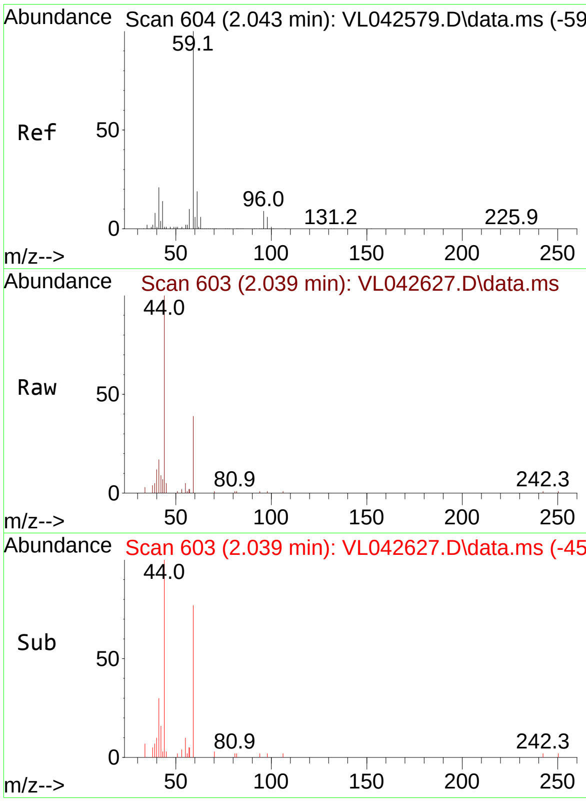


#16
1,3-Butadiene
Concen: 0.129 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 39 Resp: 772

Ion	Ratio	Lower	Upper
39	100		
54	20.9	57.9	86.9#



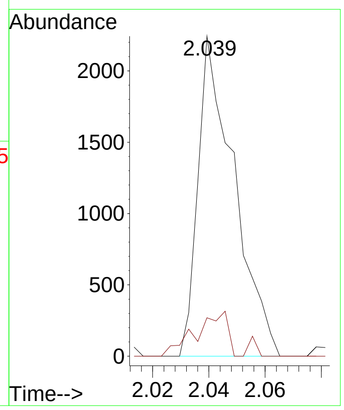


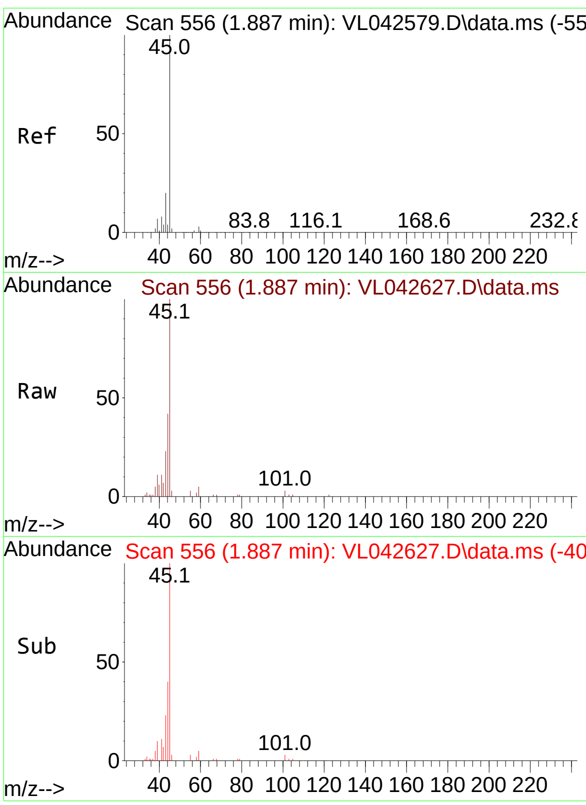
#17
tert-Butyl alcohol
Concen: 0.152 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 59 Resp: 1997

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

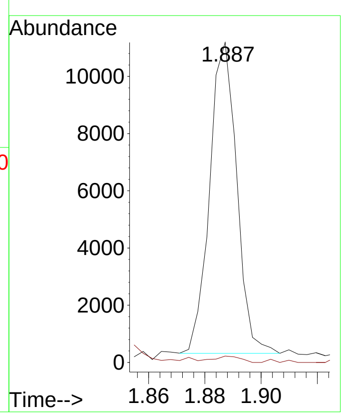


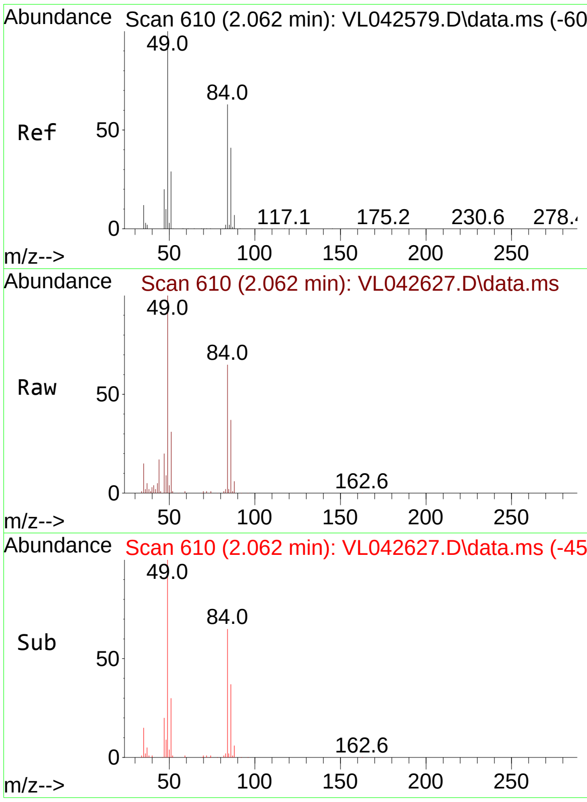


#19
Isopropyl Alcohol
Concen: 0.968 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 45 Resp: 7289

Ion	Ratio	Lower	Upper
45	100		
58	449.1	29.4	44.2#



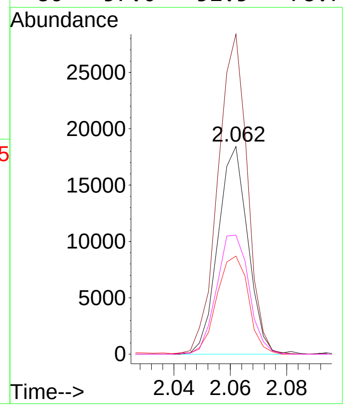


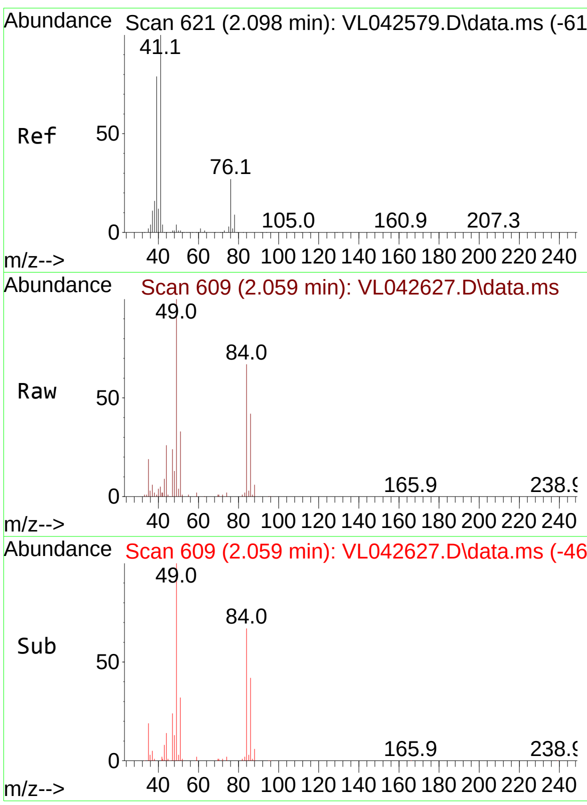
#20
Methylene Chloride
Concen: 3.259 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 84 Resp: 13551

Ion	Ratio	Lower	Upper
84	100		
49	153.4	128.8	193.2
51	47.2	38.6	57.8
86	57.0	52.5	78.7

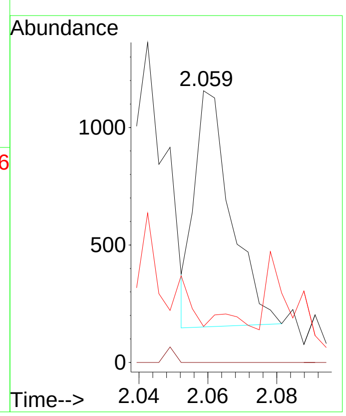


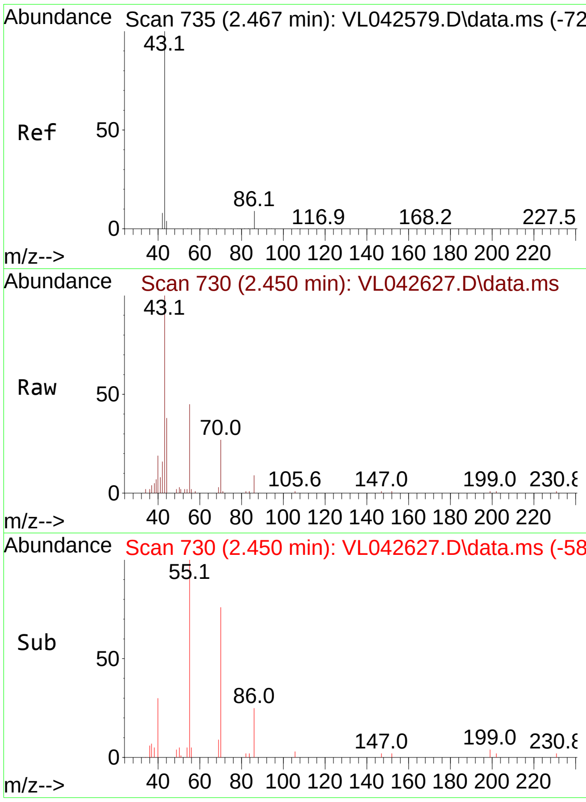


#21
Allyl Chloride
Concen: 0.083 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.039 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 41 Resp: 742

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	0.0	60.9	91.3#





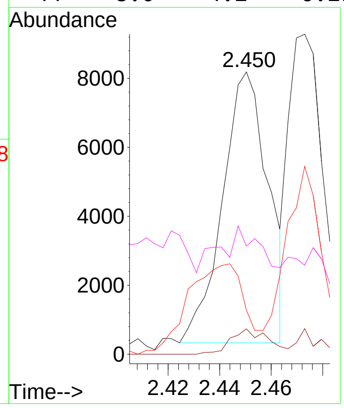
#23
Vinyl Acetate
Concen: 0.566 ppbv
RT: 2.450 min Scan# 7

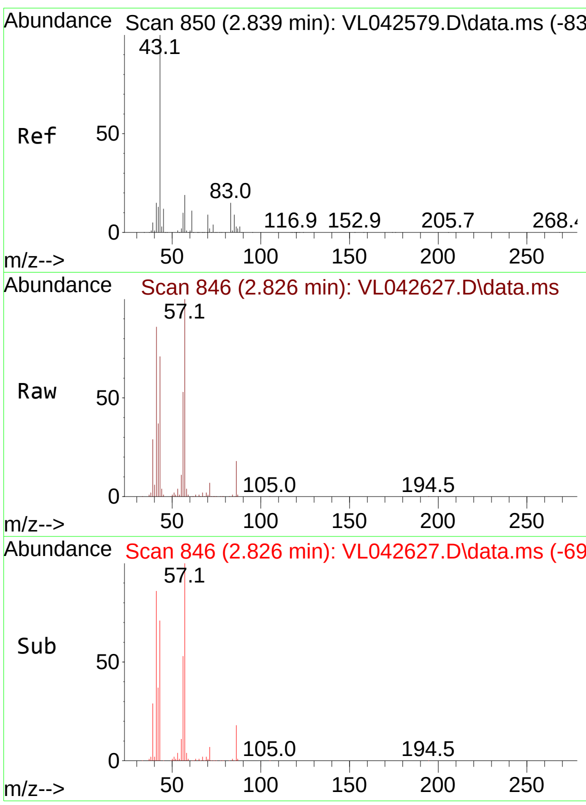
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Delta R.T. -0.016 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 9643

Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.6	9.8
42	5.1	7.0	10.4#
44	8.0	4.2	6.2#

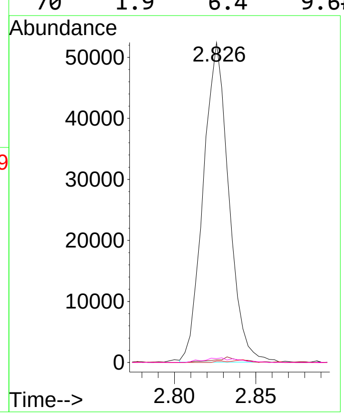


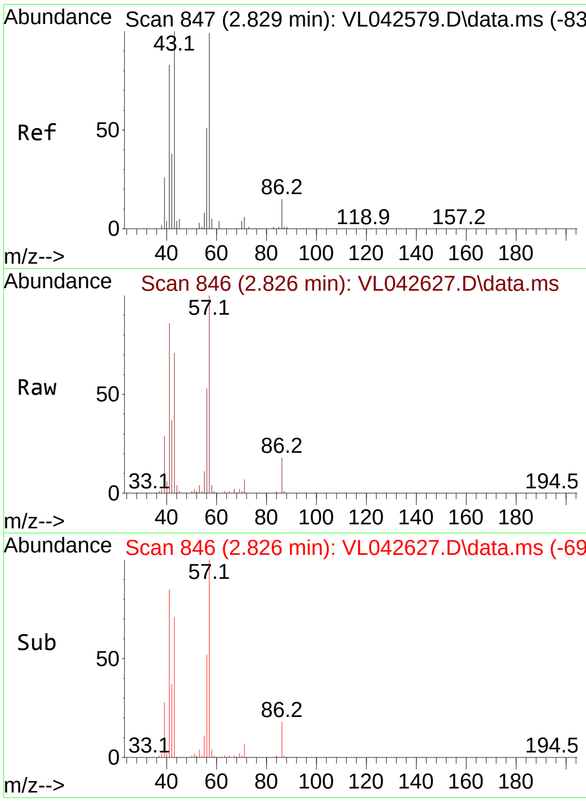


#25
Ethyl Acetate
Concen: 1.658 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 57182

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.2	12.2#
61	0.8	7.1	10.7#
70	1.9	6.4	9.6#



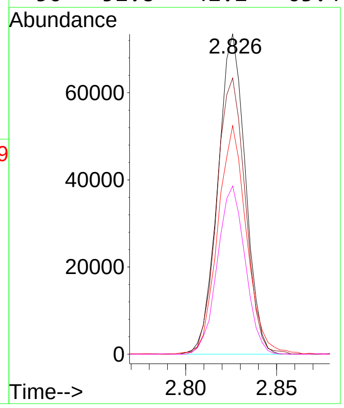


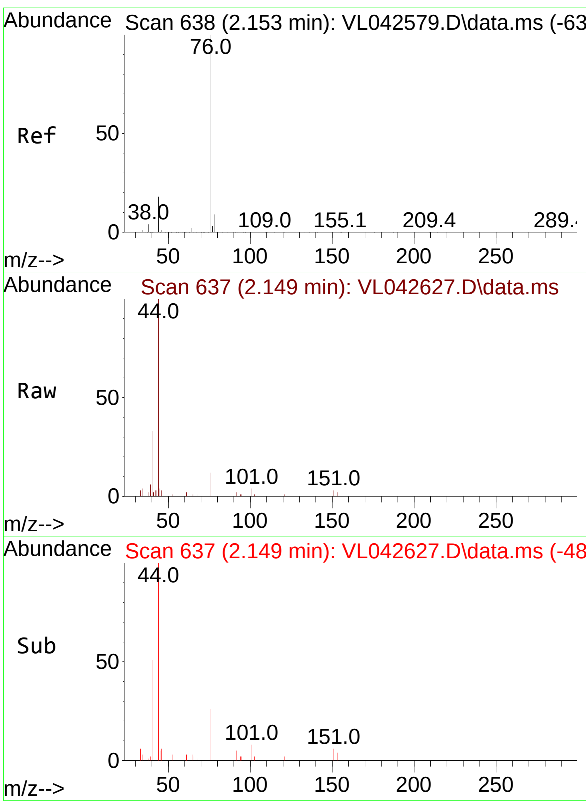
#26
Hexane
Concen: 4.949 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 57 Resp: 77534

Ion	Ratio	Lower	Upper
57	100		
41	89.4	70.6	106.0
43	74.5	181.1	271.7#
56	52.8	42.2	63.4

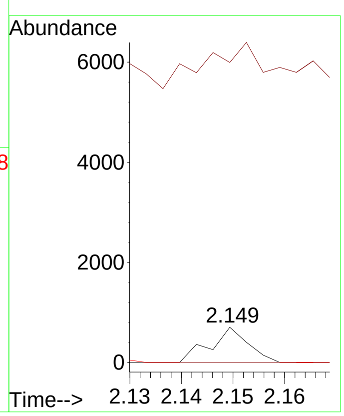


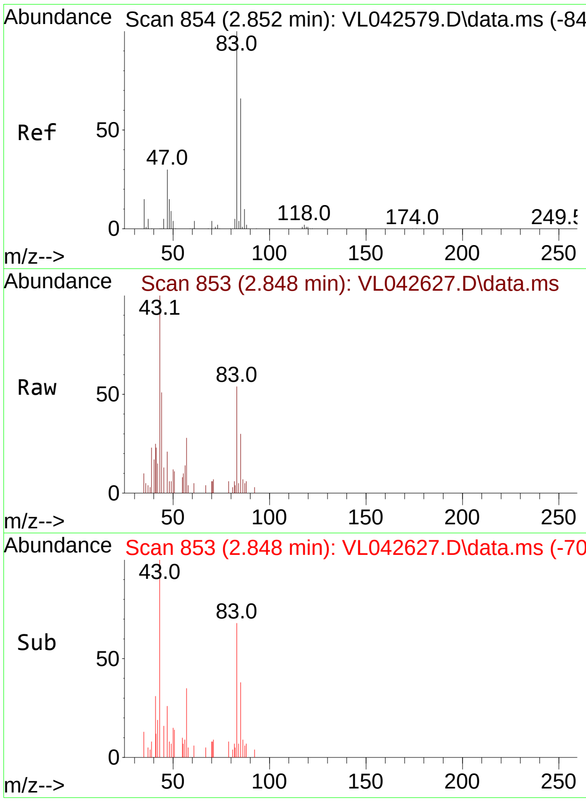


#27
Carbon Disulfide
Concen: 0.030 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 76 Resp: 363

Ion	Ratio	Lower	Upper
76	100		
44	2232.8	21.3	31.9#
78	0.0	9.4	14.0#





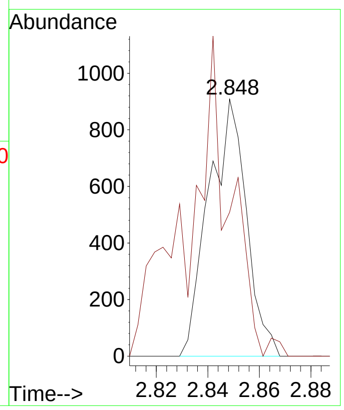
#29
Chloroform
Concen: 0.045 ppbv
RT: 2.848 min Scan# 8!

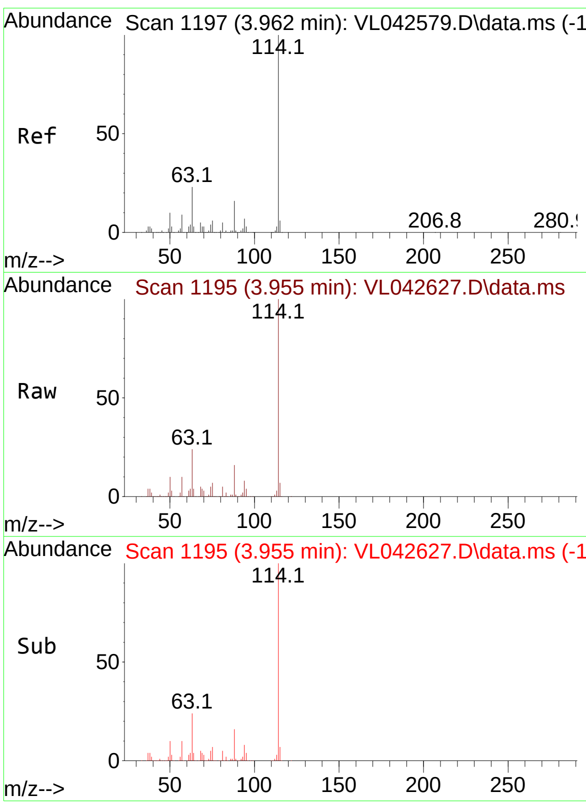
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 83 Resp: 923

Ion	Ratio	Lower	Upper
83	100		
85	50.4	52.8	79.2#

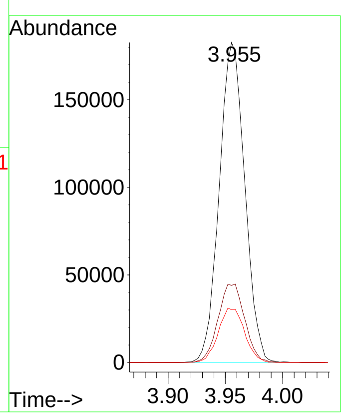


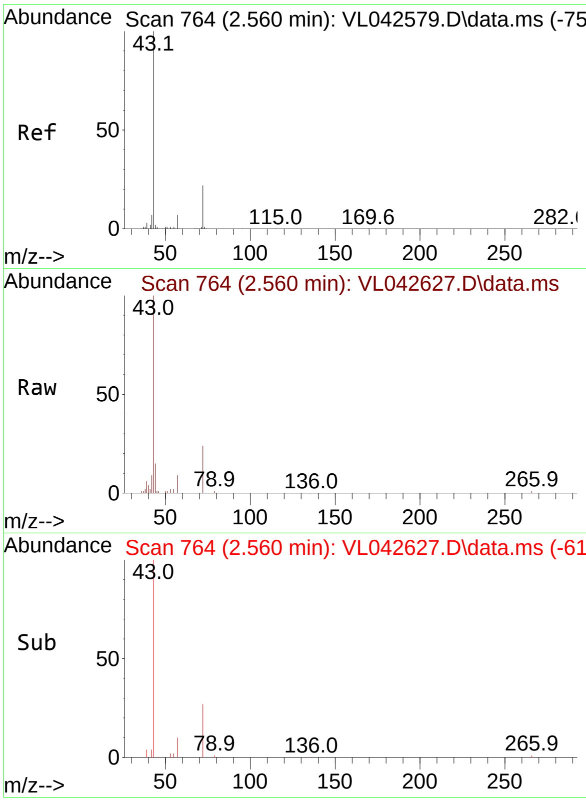


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:114 Resp: 283556

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.0	28.6
88	17.5	13.6	20.4



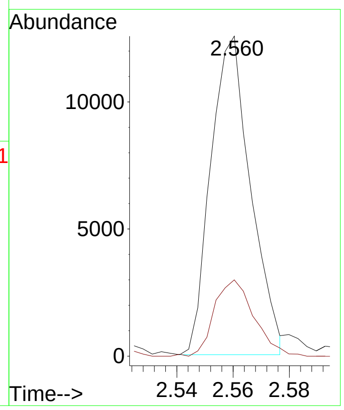


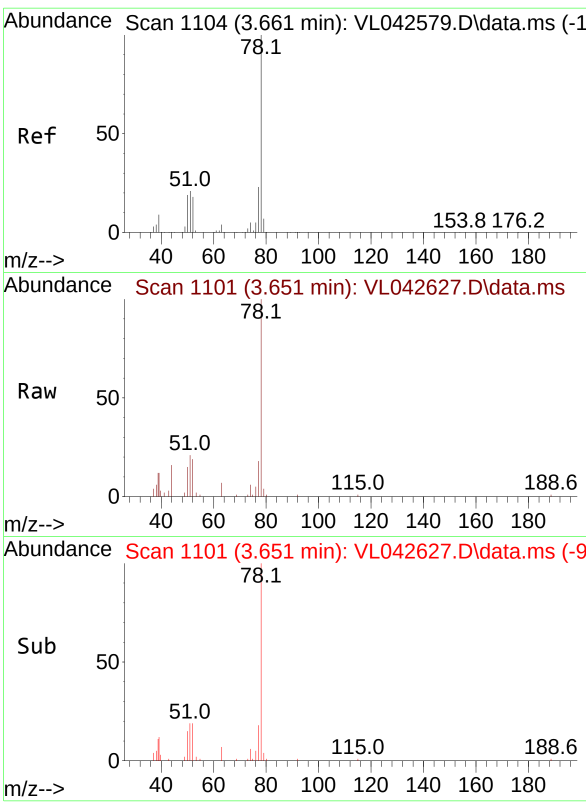
#34
2-Butanone
Concen: 0.612 ppbv
RT: 2.560 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 43 Resp: 12371

Ion	Ratio	Lower	Upper
43	100		
72	23.8	17.7	26.5

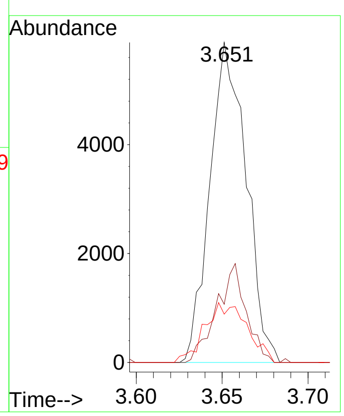


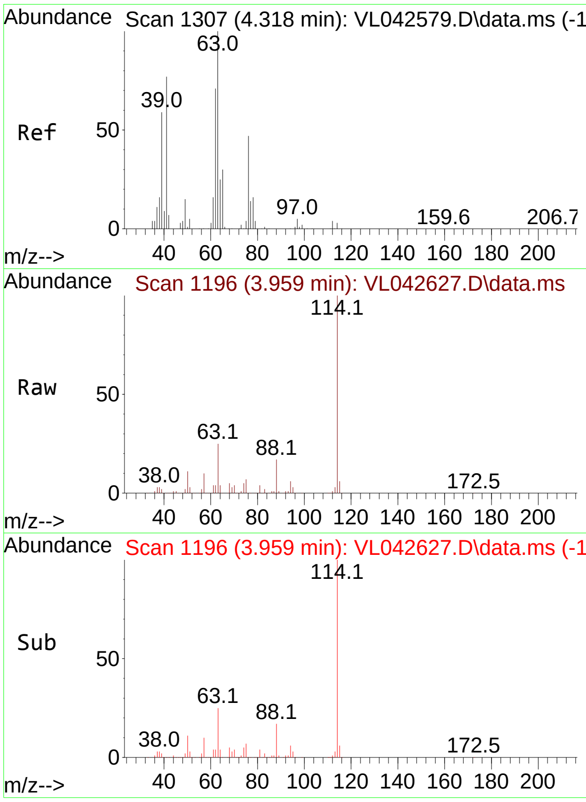


#36
Benzene
Concen: 0.309 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 78 Resp: 8632

Ion	Ratio	Lower	Upper
78	100		
77	18.2	18.2	27.2
50	15.1	15.2	22.8#





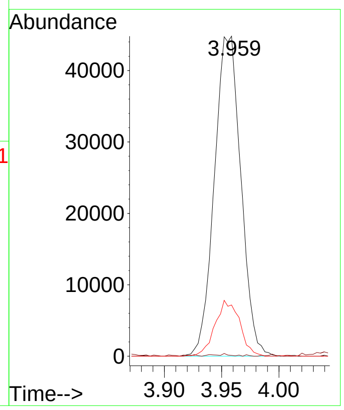
#39
1,2-Dichloropropane
Concen: 7.005 ppbv
RT: 3.959 min Scan# 1

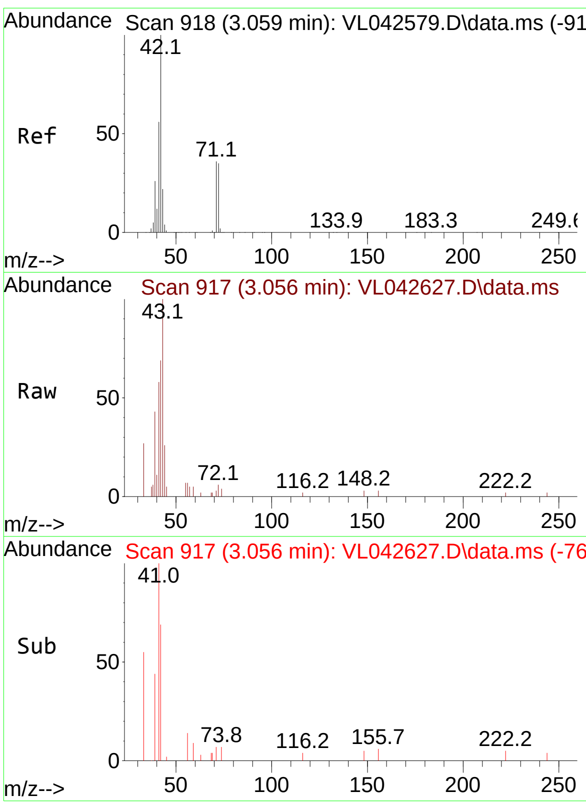
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Delta R.T. -0.359 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 63 Resp: 72334

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.8	92.6#
62	16.0	56.6	85.0#

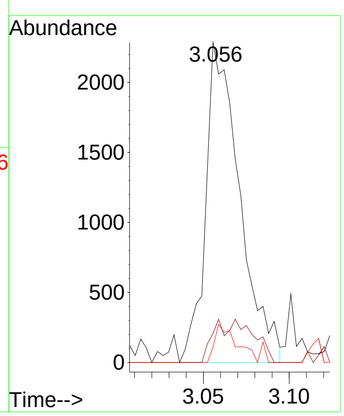


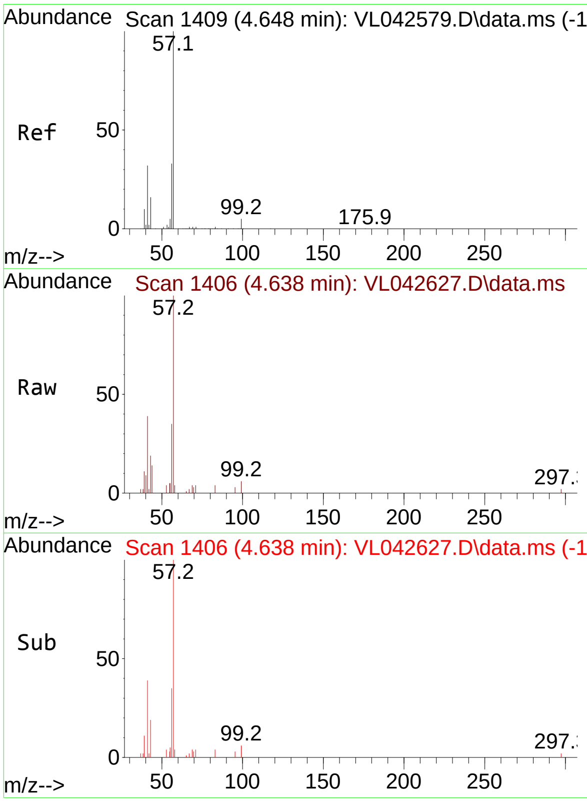


#41
Tetrahydrofuran
Concen: 0.266 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 42 Resp: 3150

Ion	Ratio	Lower	Upper
42	100		
72	15.4	28.9	43.3#
71	8.5	28.5	42.7#



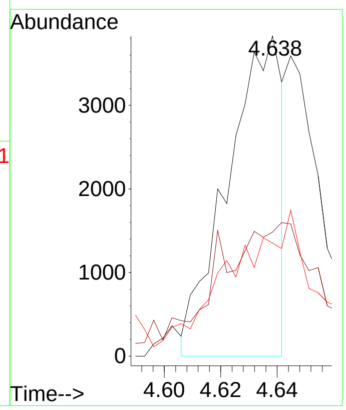


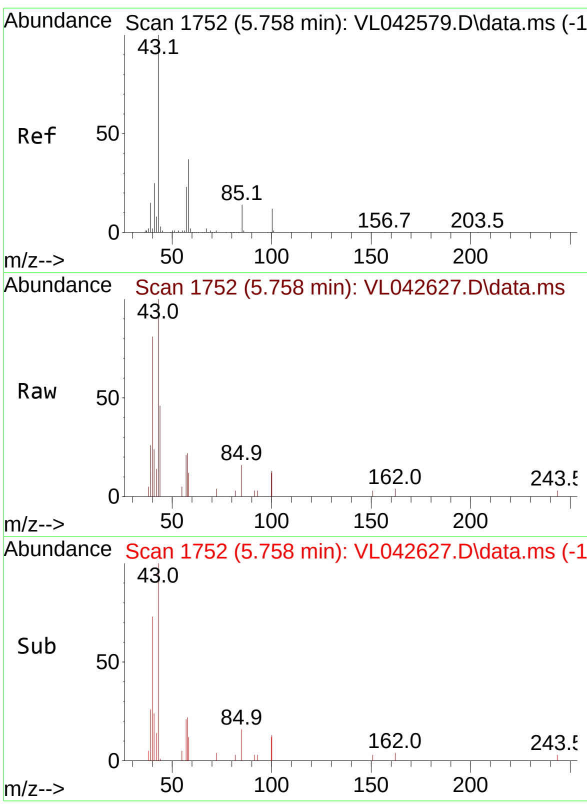
#44
2,2,4-Trimethylpentane
Concen: 0.107 ppbv
RT: 4.638 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 57 Resp: 5098

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	25.9	38.9#

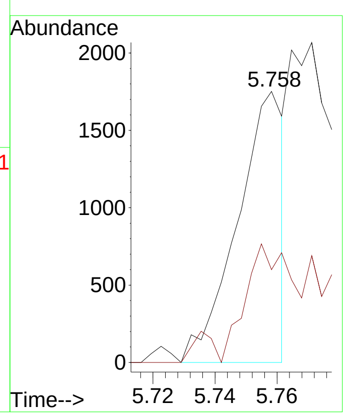


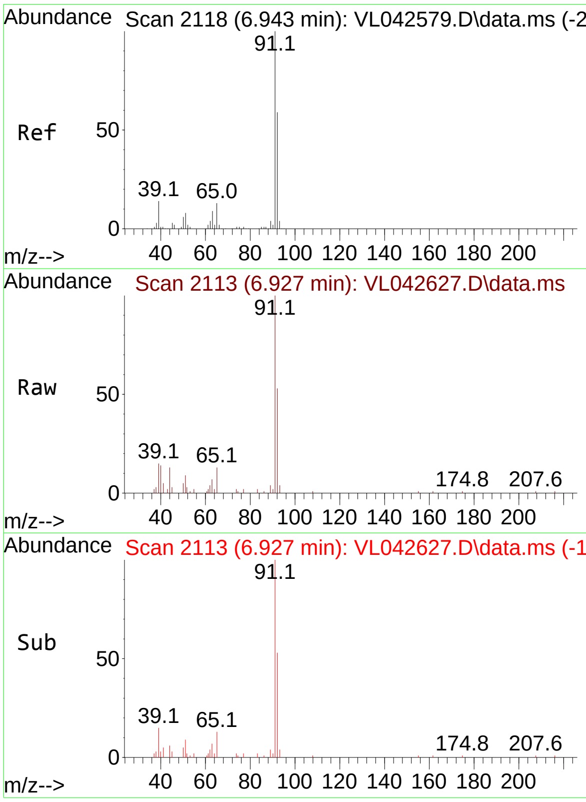


#50
4-Methyl-2-Pentanone
Concen: 0.064 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 43 Resp: 1795

Ion	Ratio	Lower	Upper
43	100		
58	98.4	28.3	42.5#



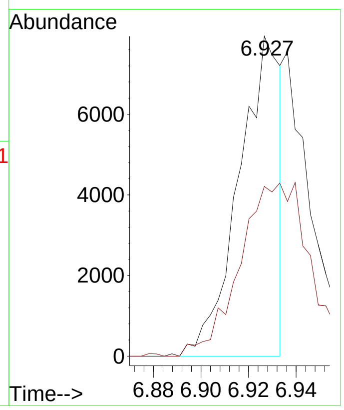


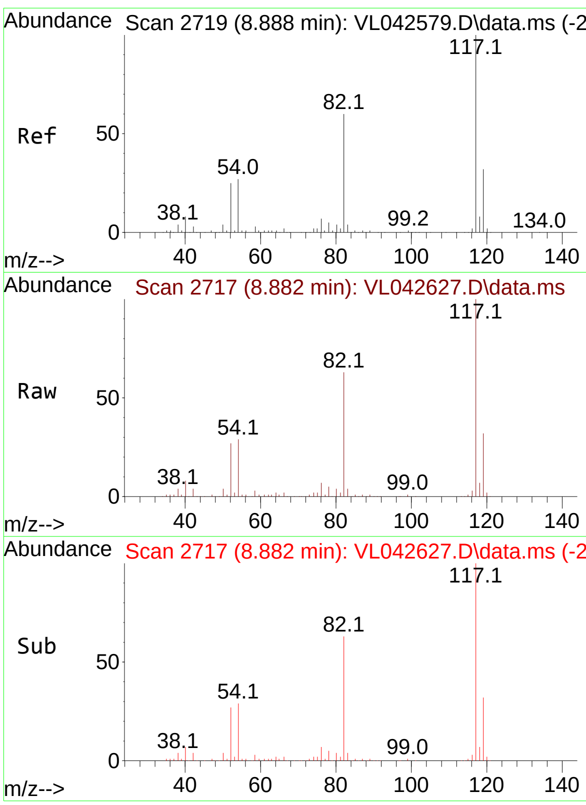
#53
Toluene
Concen: 0.296 ppbv
RT: 6.927 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 91 Resp: 9546

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#

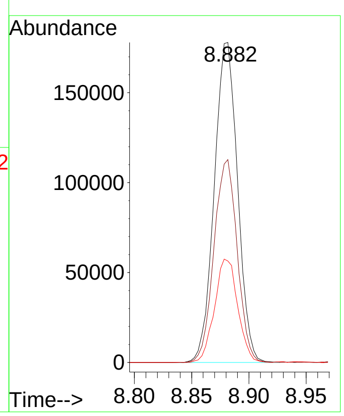


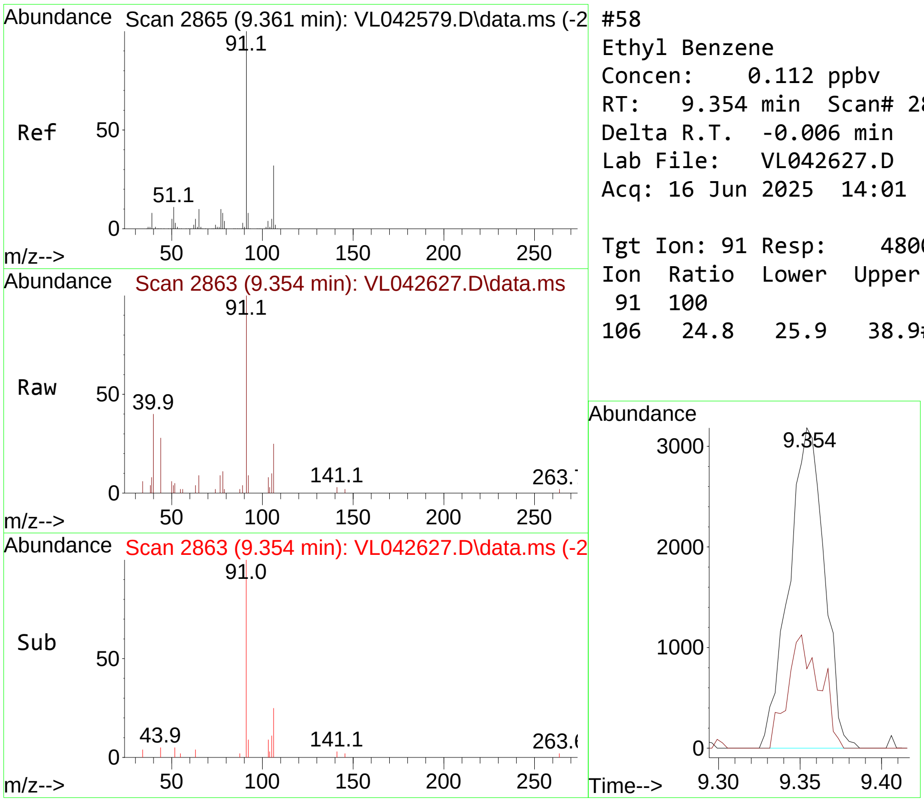


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:117 Resp: 252613

Ion	Ratio	Lower	Upper
117	100		
82	63.2	51.2	76.8
119	32.3	26.3	39.5



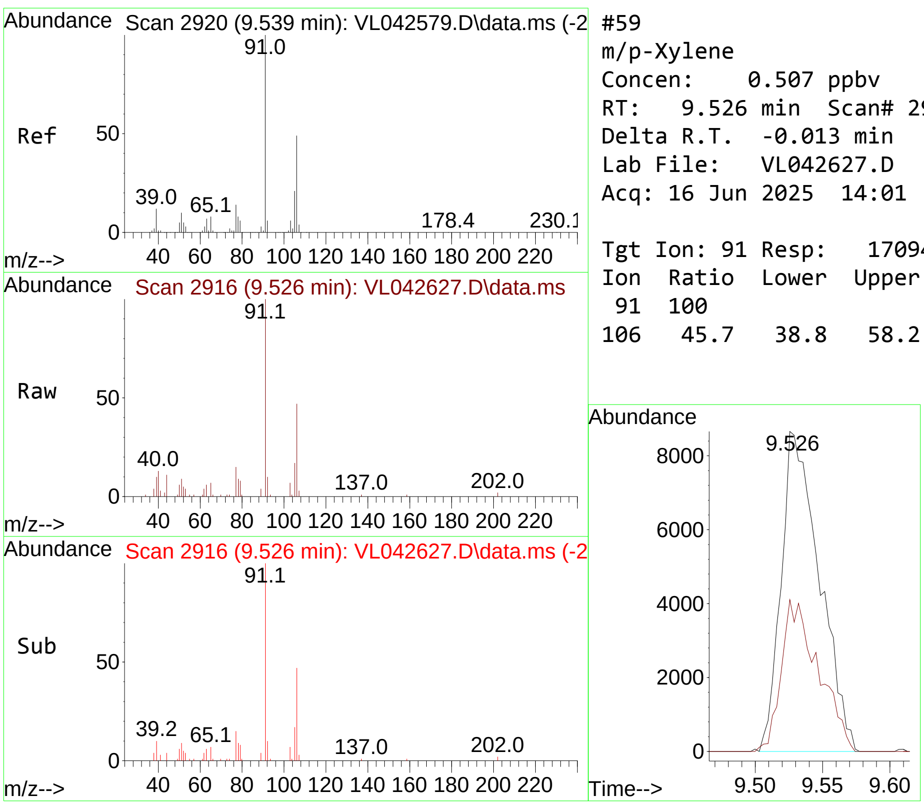


#58
Ethyl Benzene
Concen: 0.112 ppbv
RT: 9.354 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 91 Resp: 4800

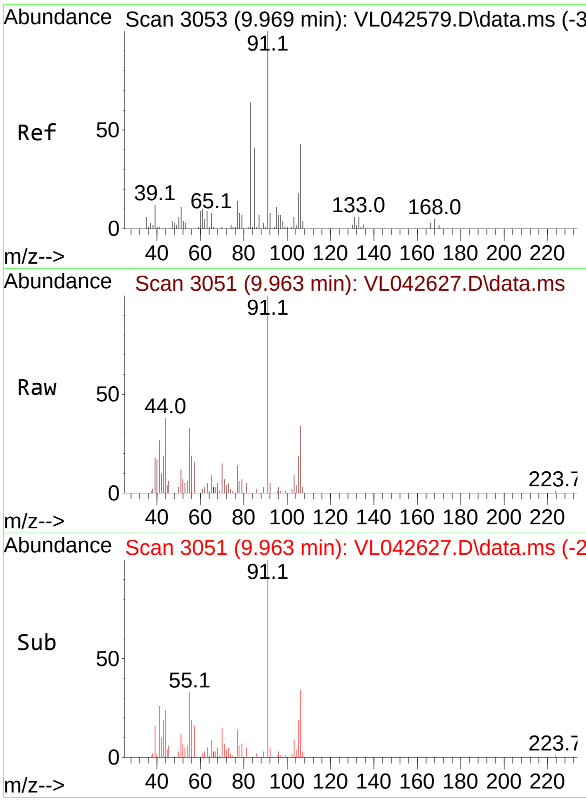
Ion	Ratio	Lower	Upper
91	100		
106	24.8	25.9	38.9#



#59
m/p-Xylene
Concen: 0.507 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.013 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion: 91 Resp: 17094

Ion	Ratio	Lower	Upper
91	100		
106	45.7	38.8	58.2



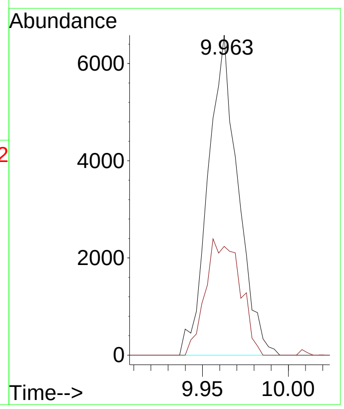
#60
o-Xylene
Concen: 0.237 ppbv
RT: 9.963 min   Scan# 30

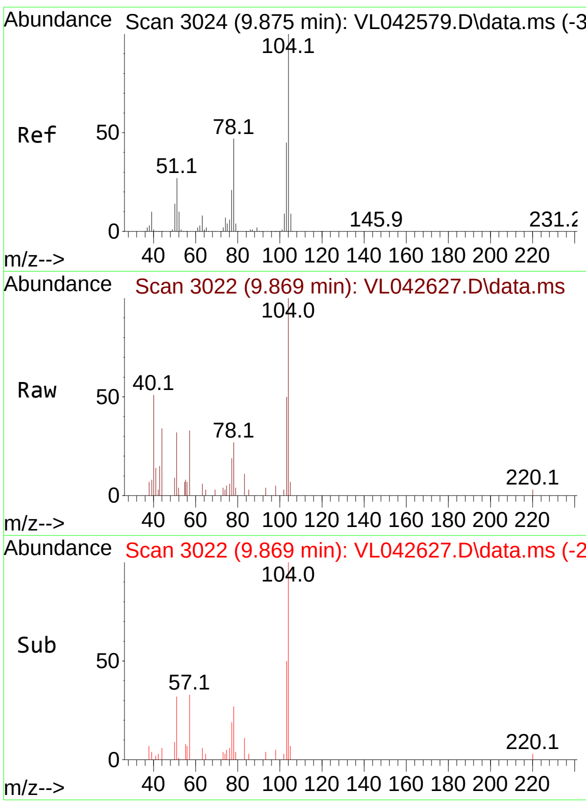
Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Delta R.T.   -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Tgt Ion: 91 Resp: 7978

Ion	Ratio	Lower	Upper
91	100		
106	41.9	22.9	68.5

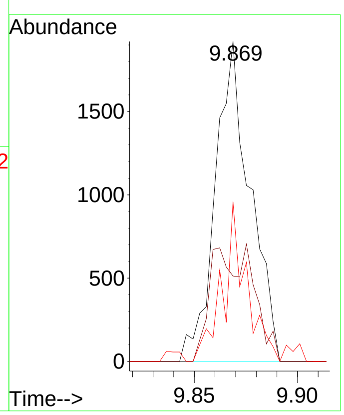


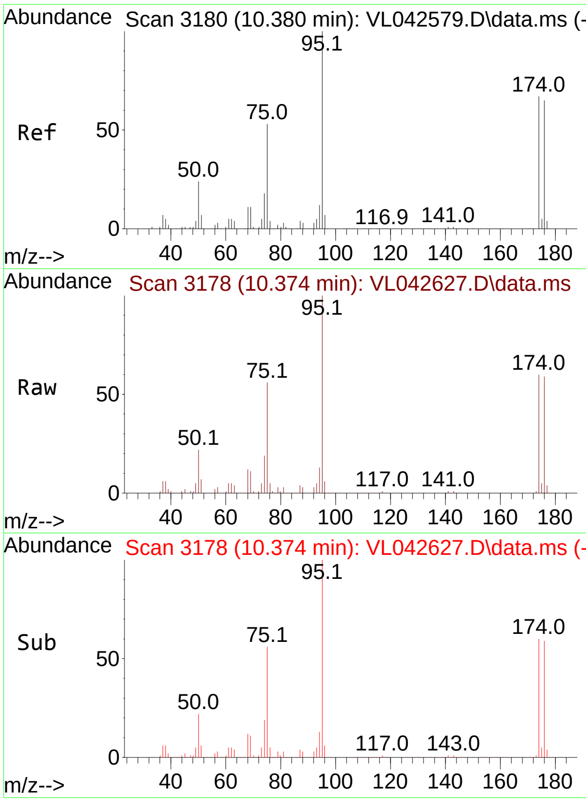


#61
Styrene
Concen: 0.142 ppbv
RT: 9.869 min   Scan# 3022
Delta R.T.   -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Tgt Ion:104 Resp: 2265

Ion	Ratio	Lower	Upper
104	100		
78	43.9	38.2	57.4
103	37.3	36.7	55.1



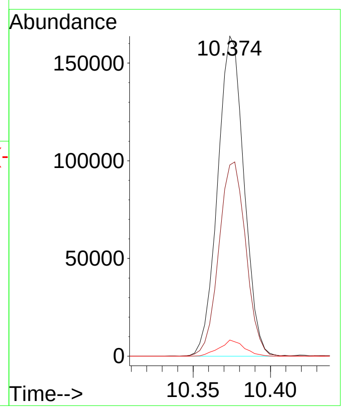


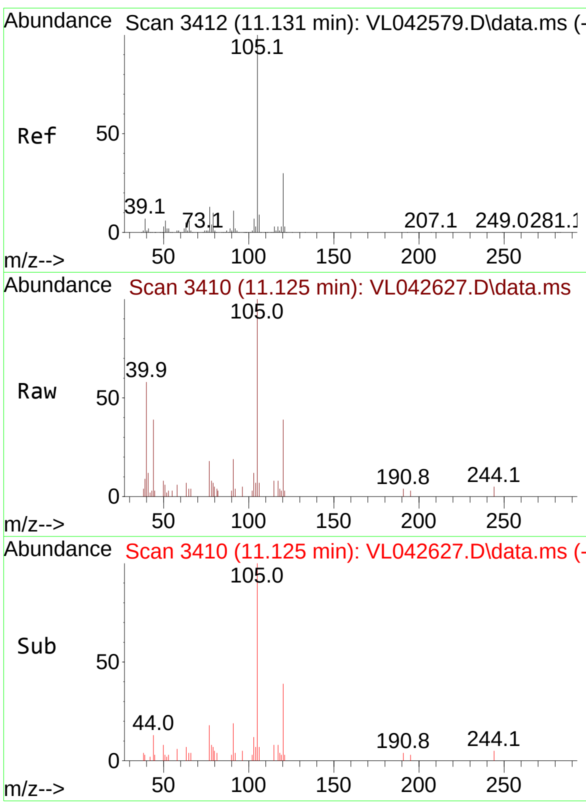
#68
1-Bromo-4-Fluorobenzene
Concen: 10.273 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion: 95 Resp: 194543

Ion	Ratio	Lower	Upper
95	100		
174	62.1	53.1	79.7
175	4.7	4.2	6.2

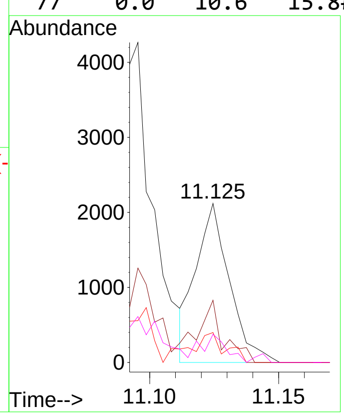


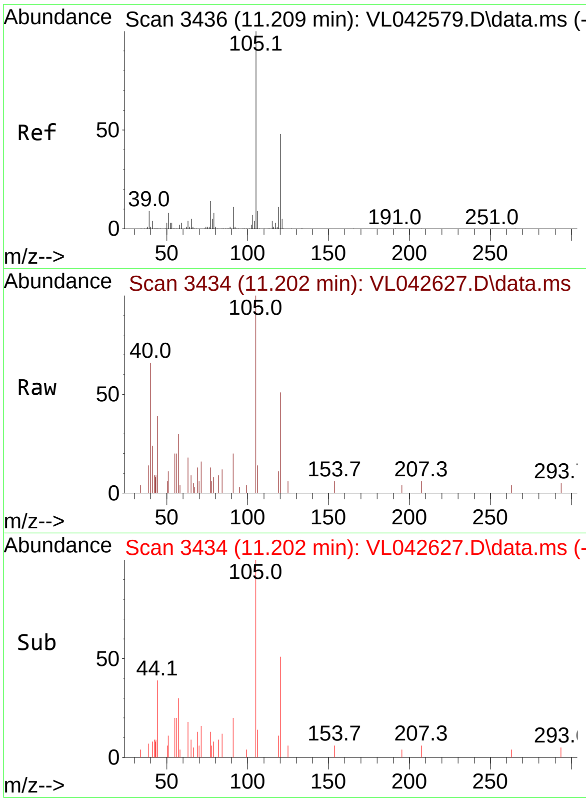


#72
4-Ethyltoluene
Concen: 0.046 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.007 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:105 Resp: 1930

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.6	36.8#
91	0.0	9.6	14.4#
77	0.0	10.6	15.8#

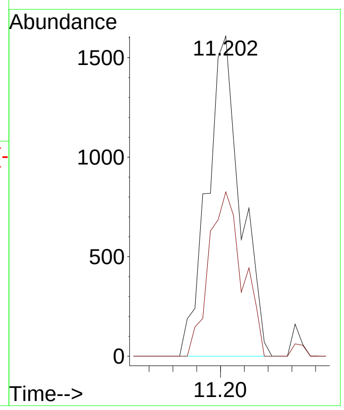


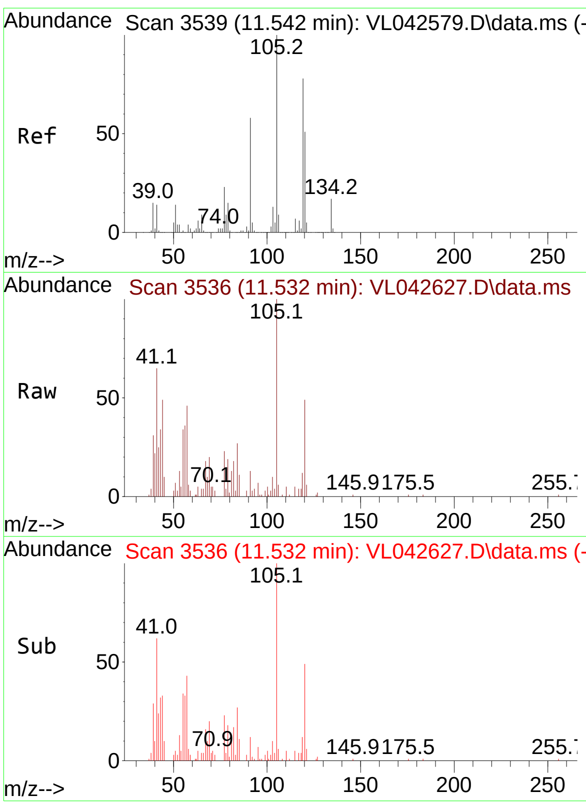


#73
1,3,5-Trimethylbenzene
Concen: 0.045 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.006 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

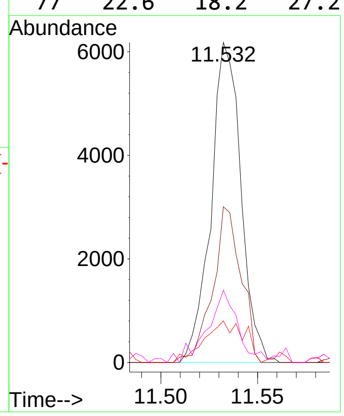
Tgt Ion:105	Resp:	1566	
Ion	Ratio	Lower	Upper
105	100		
120	51.4	38.8	58.2

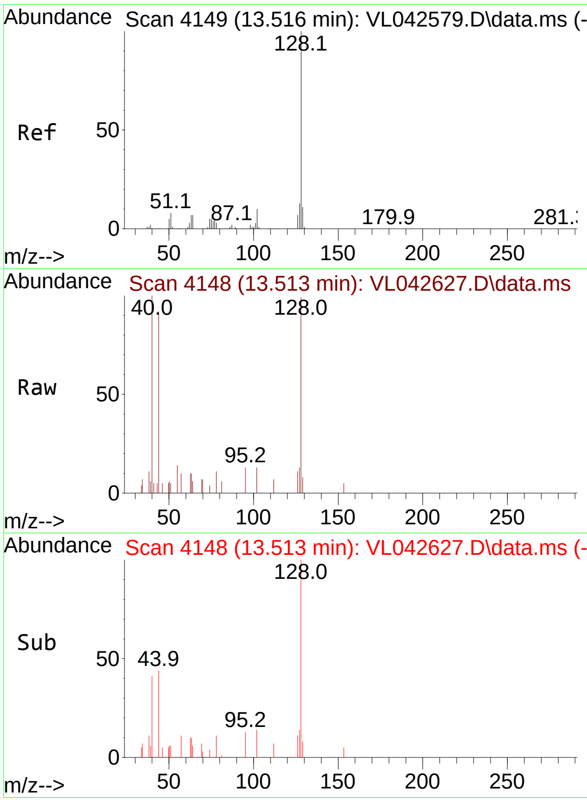




#74
1,2,4-Trimethylbenzene
Concen: 0.173 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.010 min
Lab File: VL042627.D
Acq: 16 Jun 2025 14:01

Tgt Ion:105	Resp:	6660	
Ion	Ratio	Lower	Upper
105	100		
120	48.7	40.8	61.2
91	10.4	46.8	70.2#
77	22.6	18.2	27.2



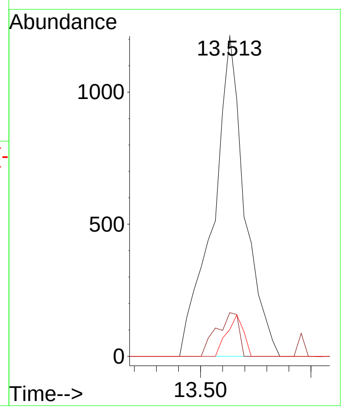


#79
Naphthalene
Concen: 0.033 ppbv
RT: 13.513 min   Scan# 4
Delta R.T.   -0.003 min
Lab File: VL042627.D
Acq: 16 Jun 2025   14:01

Instrument :
MSVOA_L
ClientSampleId :
AA-3DUP

Tgt Ion:128 Resp: 1205

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	8.3	8.8	13.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042628.D
Acq On : 16 Jun 2025 14:35
Operator : SY/MD
Sample : Q2317-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Quant Time: Jun 17 03:05:45 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	2.787	49	106724	10.000 ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	298270	10.000 ppbv		0.00
55) Chlorobenzene-d5	8.882	117	259856	10.000 ppbv		0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	202110	10.376 ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6121	0.467 ppbv		92
3) Chlorodifluoromethane	1.466	51	235861	13.056 ppbv	#	62
4) Chloromethane	1.531	50	3698	0.712 ppbv		99
7) Chloroethane	1.492	64	316	0.154 ppbv	#	72
9) Propene	1.560	41	75912	10.435 ppbv		92
10) Heptane	4.981	43	2916	0.142 ppbv		99
11) Trichlorofluoromethane	1.878	101	98869	8.101 ppbv		99
12) 1,1,2-Trichlorotrifluo...	1.878	101	98869	10.317 ppbv	#	15
13) Ethanol	1.722	45	773828	892.541 ppbv		96
15) Acetone	1.835	43	492820	38.336 ppbv		97
16) 1,3-Butadiene	1.622	39	149481	24.547 ppbv	#	15
17) tert-Butyl alcohol	1.884	59	13305	0.993 ppbv		99
19) Isopropyl Alcohol	1.884	45	384826	50.075 ppbv		91
20) Methylene Chloride	2.062	84	5435	1.281 ppbv		97
21) Allyl Chloride	1.965	41	10689	1.178 ppbv	#	21
23) Vinyl Acetate	2.454	43	14570	0.838 ppbv	#	94
25) Ethyl Acetate	2.832	43	126658	3.600 ppbv		97
26) Hexane	2.826	57	65240	4.081 ppbv		86
27) Carbon Disulfide	2.149	76	809	0.066 ppbv	#	1
29) Chloroform	2.849	83	11988	0.577 ppbv		100
31) cis-1,2-Dichloroethene	2.839	61	9985	0.683 ppbv	#	23
34) 2-Butanone	2.557	43	44583	2.096 ppbv		99
35) Carbon Tetrachloride	3.765	117	1506	0.076 ppbv		84
36) Benzene	3.654	78	9676	0.329 ppbv		98
37) 1,2-Dichloroethane	3.214	62	1375	0.094 ppbv	#	78
38) Trichloroethene	4.548	130	407	0.033 ppbv	#	48
39) 1,2-Dichloropropane	3.955	63	74018	6.814 ppbv	#	23
41) Tetrahydrofuran	3.059	42	17246	1.385 ppbv		96
44) 2,2,4-Trimethylpentane	4.642	57	7963	0.158 ppbv	#	64
50) 4-Methyl-2-Pentanone	5.762	43	3117	0.106 ppbv	#	13
51) 2-Hexanone	7.451	43	749	0.032 ppbv	#	43
52) Tetrachloroethene	8.225	164	397	0.036 ppbv	#	73
53) Toluene	6.930	91	25563	0.753 ppbv		100
58) Ethyl Benzene	9.532	91	13470	0.306 ppbv		89
59) m/p-Xylene	9.532	91	13470	0.388 ppbv		94
60) o-Xylene	9.966	91	5491	0.159 ppbv		90
61) Styrene	9.869	104	2154	0.132 ppbv	#	81
64) n-propylbenzene	10.985	120	561	0.041 ppbv	#	5
65) tert-Butylbenzene	11.536	119	1719	0.037 ppbv	#	1
66) Benzyl Chloride	11.545	91	4533	0.759 ppbv	#	70
67) sec-Butylbenzene	12.044	105	26735	0.410 ppbv		99
69) p-Isopropyltoluene	11.924	119	29010	0.531 ppbv		95
70) n-Butylbenzene	12.348	91	8911	0.165 ppbv	#	82

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042628.D
Acq On : 16 Jun 2025 14:35
Operator : SY/MD
Sample : Q2317-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Quant Time: Jun 17 03:05:45 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

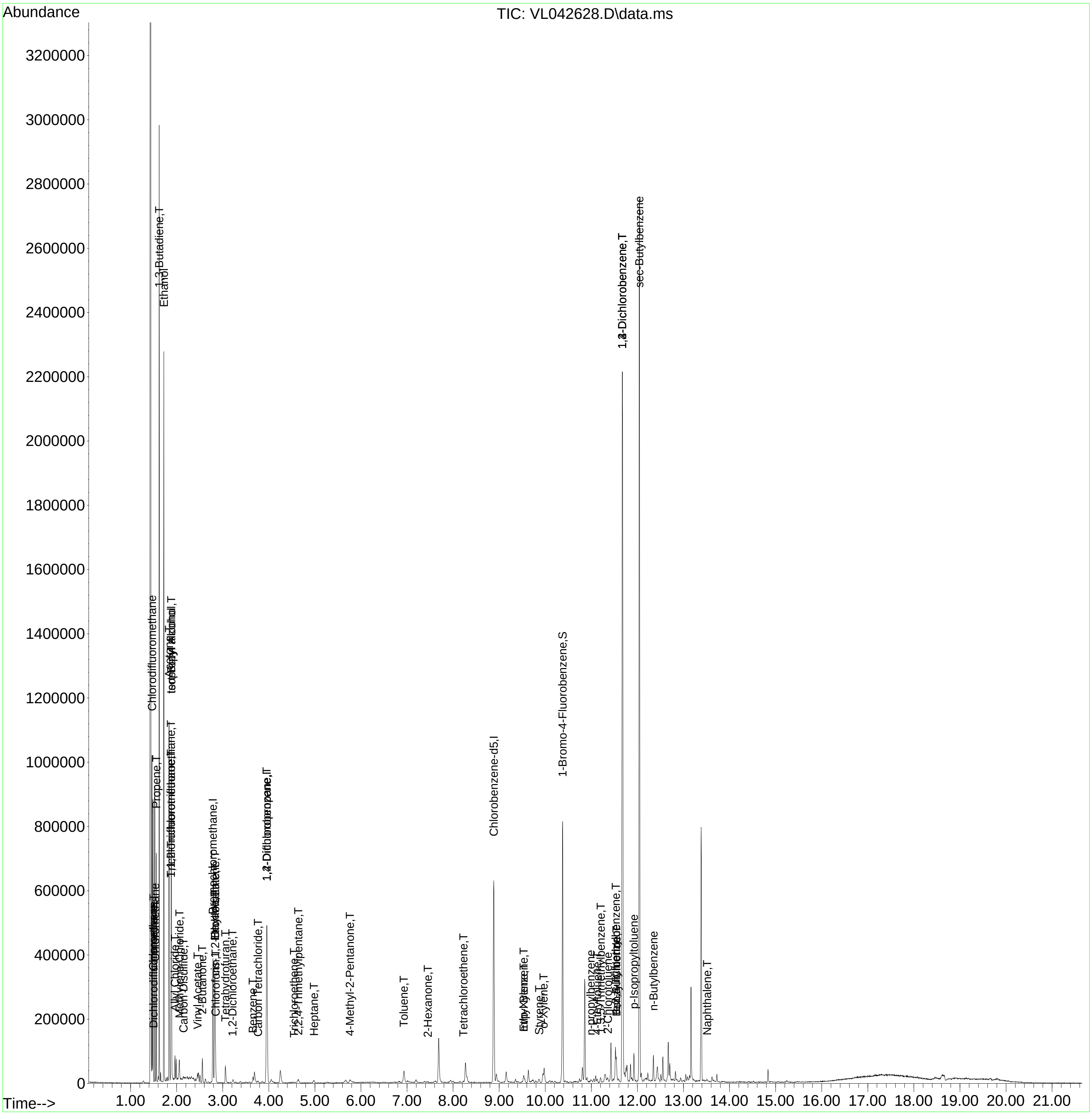
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2-Chlorotoluene	11.358	91	1437	0.037	ppbv		68
72)	4-Ethyltoluene	11.128	105	3475	0.081	ppbv	#	55
73)	1,3,5-Trimethylbenzene	11.206	105	2791	0.078	ppbv		92
74)	1,2,4-Trimethylbenzene	11.532	105	11072	0.279	ppbv	#	71
75)	1,3-Dichlorobenzene	11.672	146	430999	17.325	ppbv		99
76)	1,4-Dichlorobenzene	11.672	146	430999	17.371	ppbv		99
77)	1,2-Dichlorobenzene	11.672	146	430999	17.851	ppbv		98
79)	Naphthalene	13.513	128	2932	0.079	ppbv	#	94

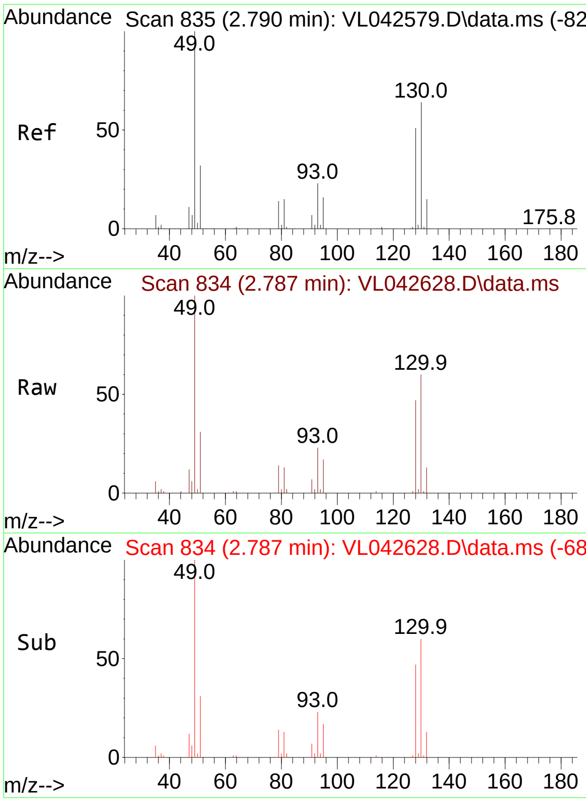
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042628.D
Acq On   : 16 Jun 2025 14:35
Operator : SY/MD
Sample   : Q2317-02
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Quant Time: Jun 17 03:05:45 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



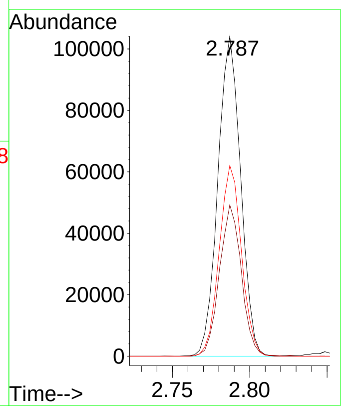


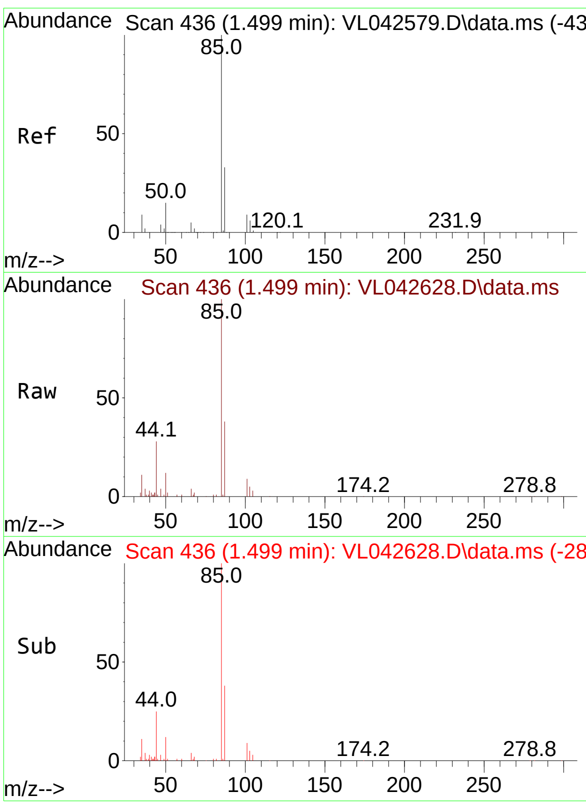
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 49 Resp: 106724

Ion	Ratio	Lower	Upper
49	100		
128	45.4	24.2	72.6
130	58.3	30.4	91.2

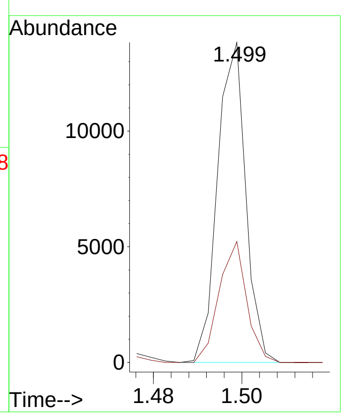


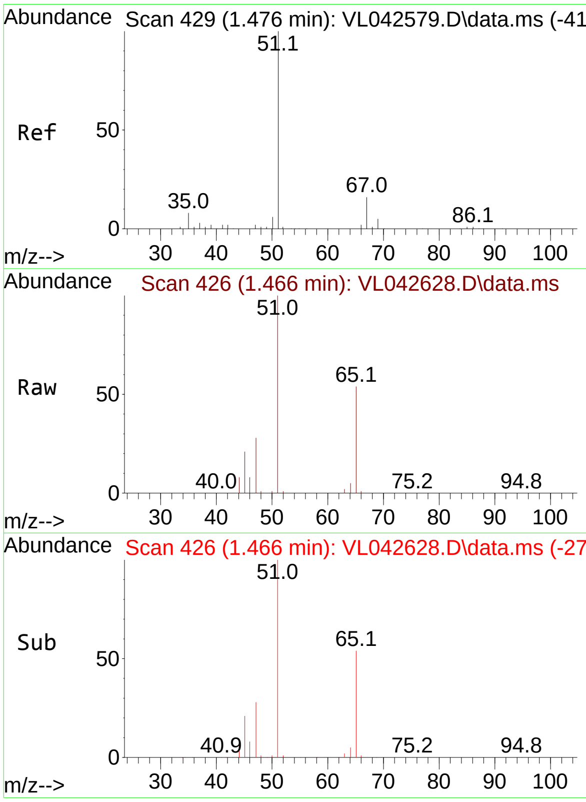


#2
Dichlorodifluoromethane
Concen: 0.467 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 85 Resp: 6121

Ion	Ratio	Lower	Upper
85	100		
87	37.8	26.6	39.8



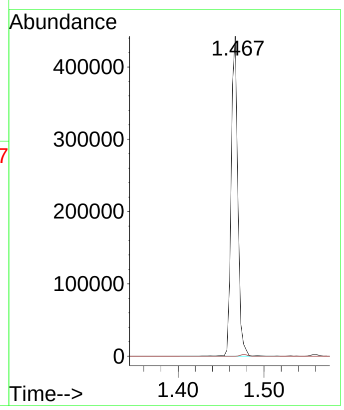


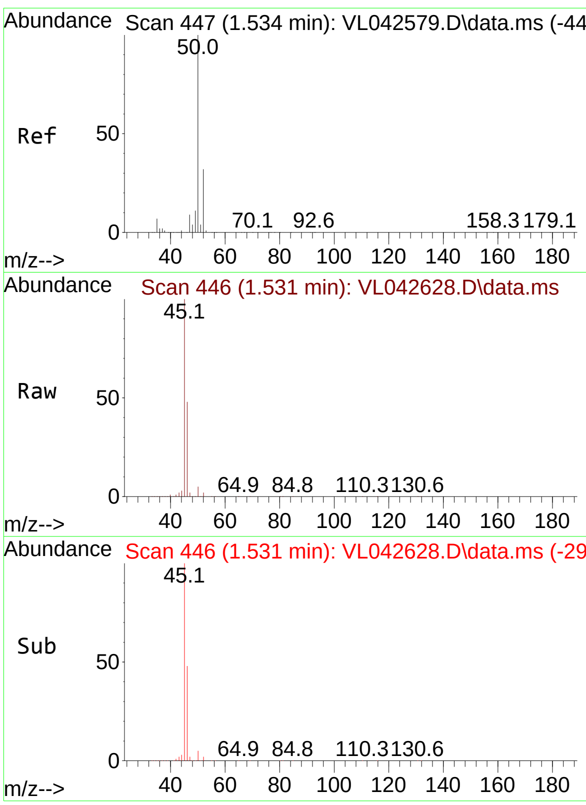
#3
Chlorodifluoromethane
Concen: 13.056 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 51 Resp: 235861

Ion	Ratio	Lower	Upper
51	100		
67	0.5	13.4	20.2#

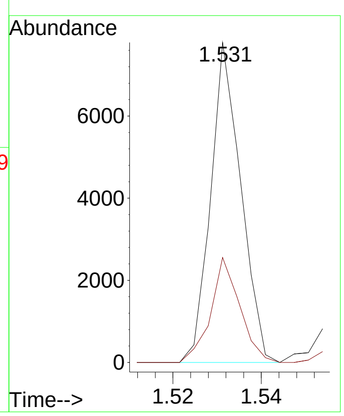


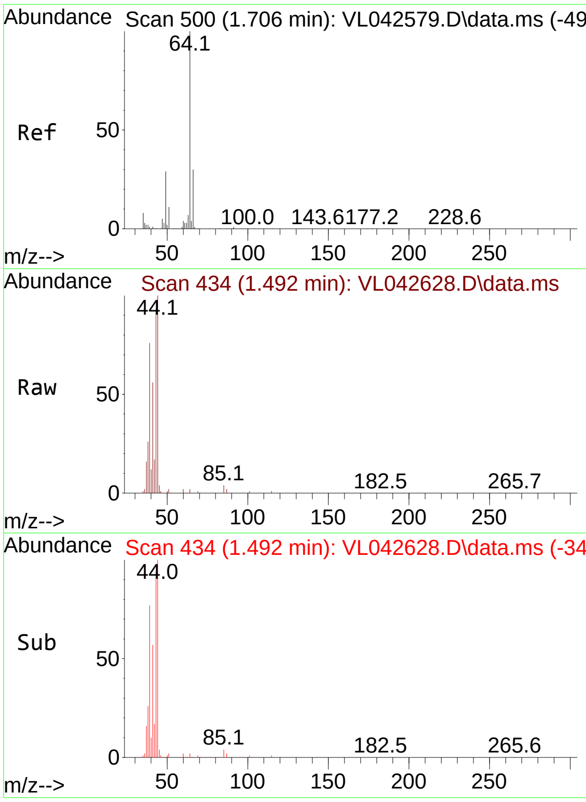


#4
Chloromethane
Concen: 0.712 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 50 Resp: 3698

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.8	38.6



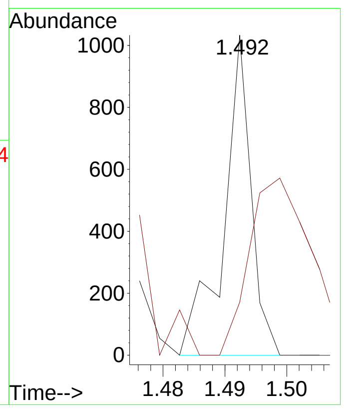


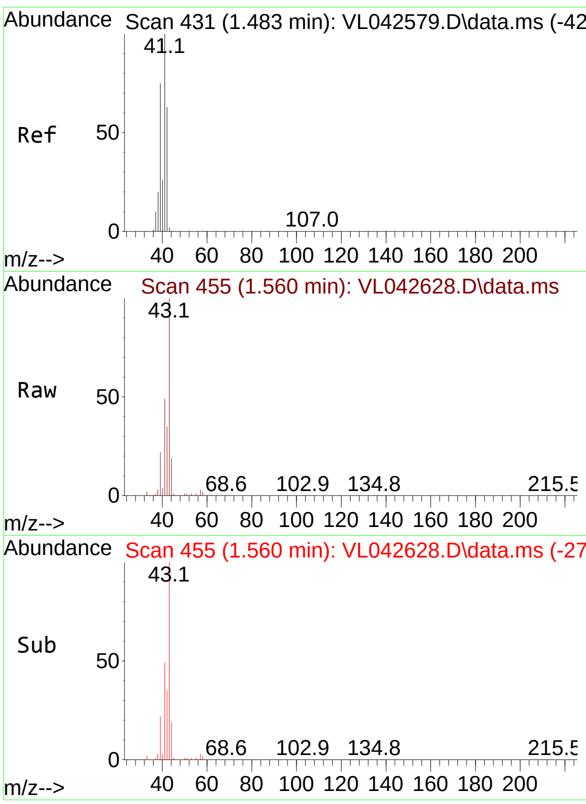
#7
Chloroethane
Concen: 0.154 ppbv
RT: 1.492 min Scan# 4
Delta R.T. -0.214 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 64 Resp: 316

Ion	Ratio	Lower	Upper
64	100		
66	15.3	24.3	36.5#

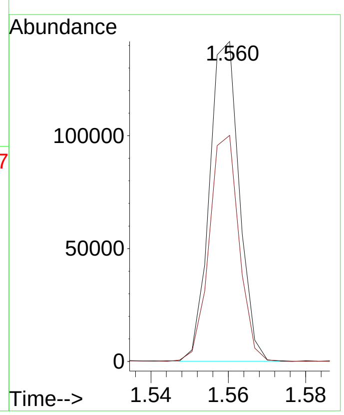


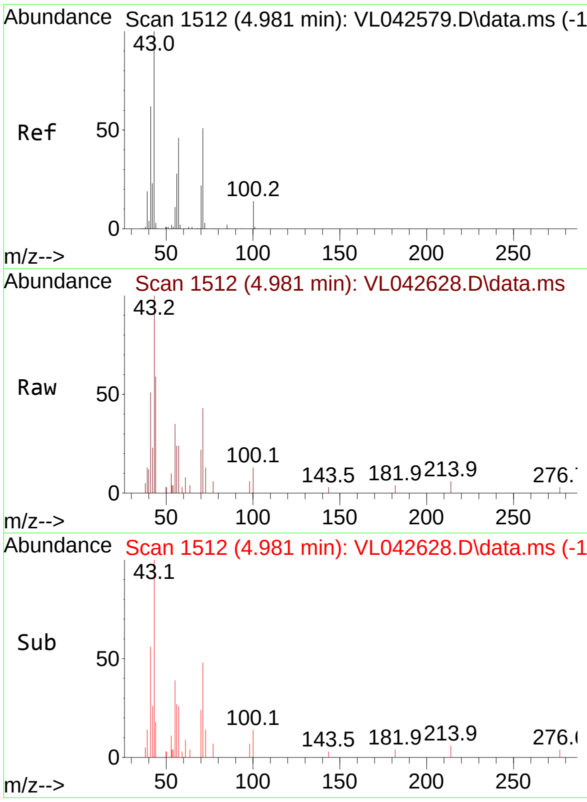


#9
Propene
Concen: 10.435 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 41 Resp: 75912

Ion	Ratio	Lower	Upper
41	100		
42	73.1	53.3	79.9



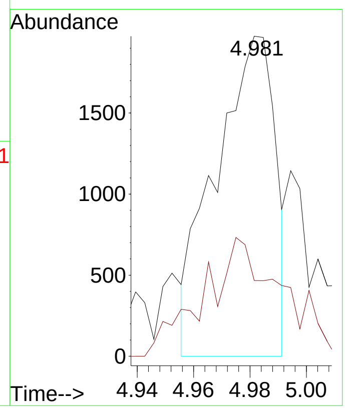


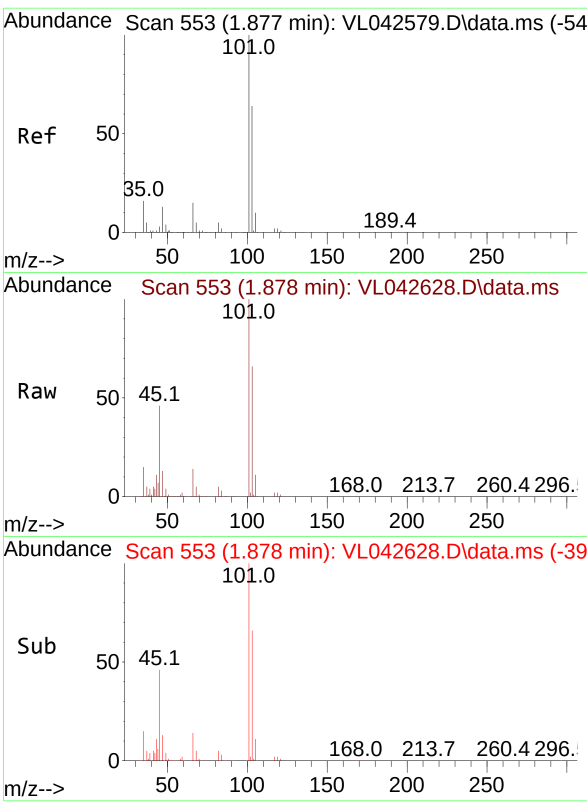
#10
Heptane
Concen: 0.142 ppbv
RT: 4.981 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 43 Resp: 2916

Ion	Ratio	Lower	Upper
43	100		
57	48.1	38.9	58.3

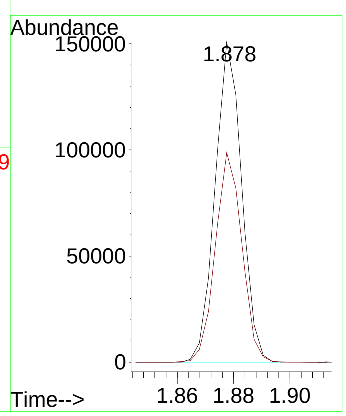


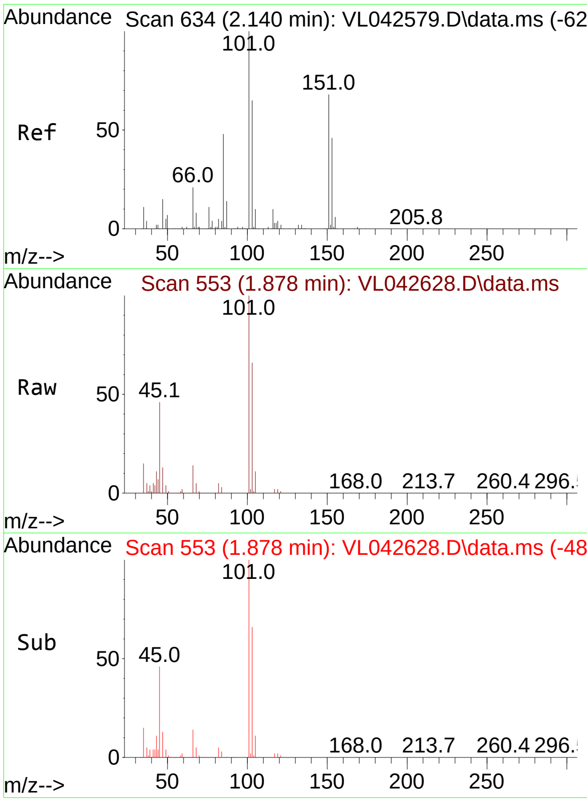


#11
Trichlorofluoromethane
Concen: 8.101 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:101 Resp: 98869

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.5	77.3



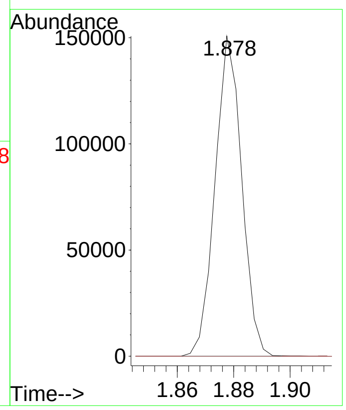


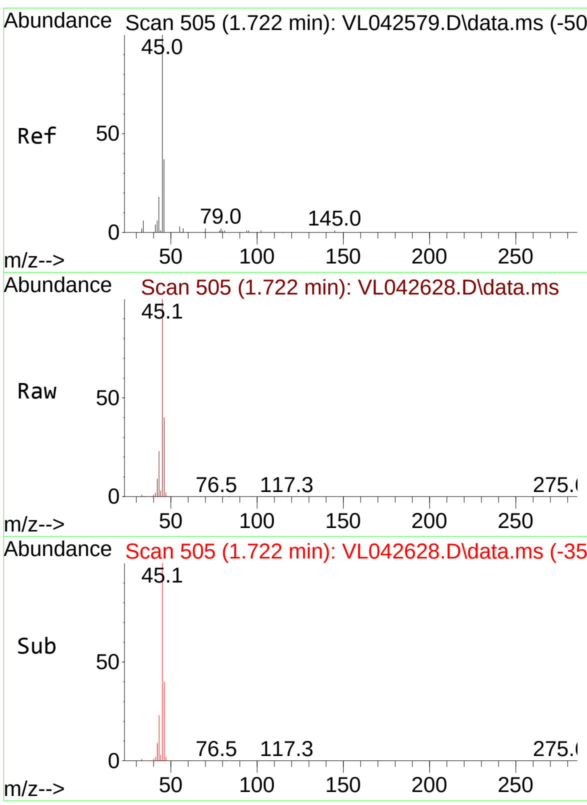
#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.317 ppbv
RT: 1.878 min Scan# 5
Delta R.T. -0.262 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:101 Resp: 98869

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.3	82.9#

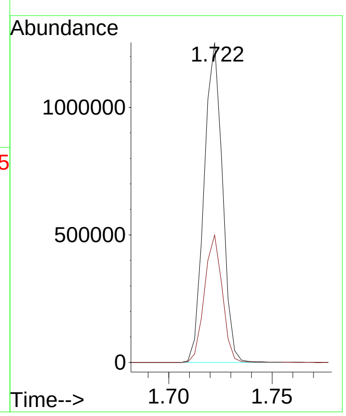


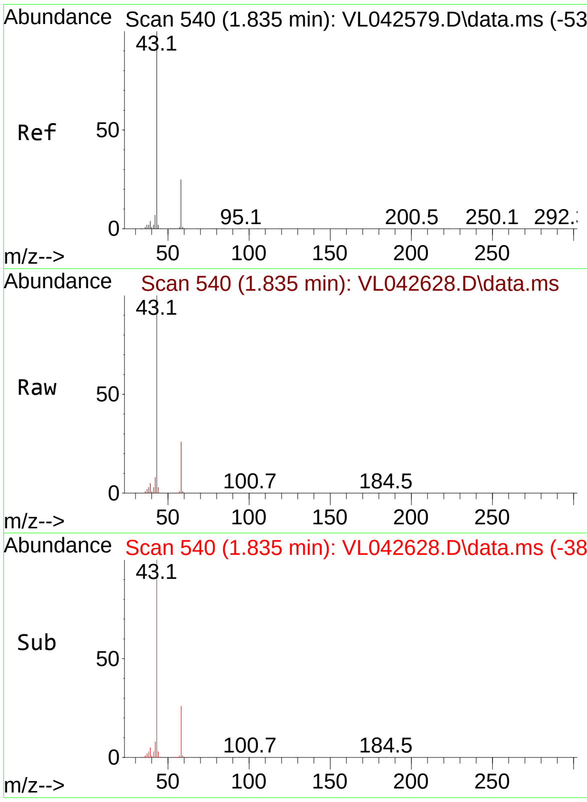


#13
Ethanol
Concen: 892.541 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 45 Resp: 773828

Ion	Ratio	Lower	Upper
45	100		
46	38.8	14.5	58.1



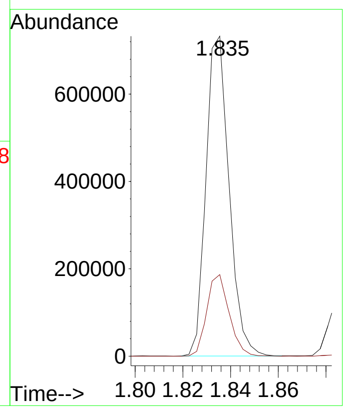


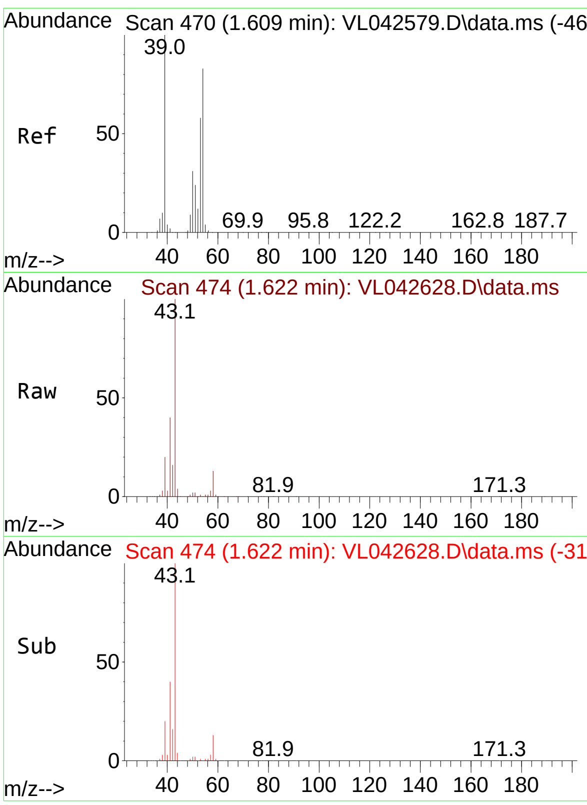
#15
Acetone
Concen: 38.336 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 43 Resp: 492820

Ion	Ratio	Lower	Upper
43	100		
58	24.7	21.0	31.4

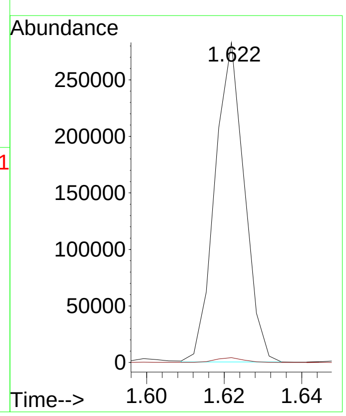


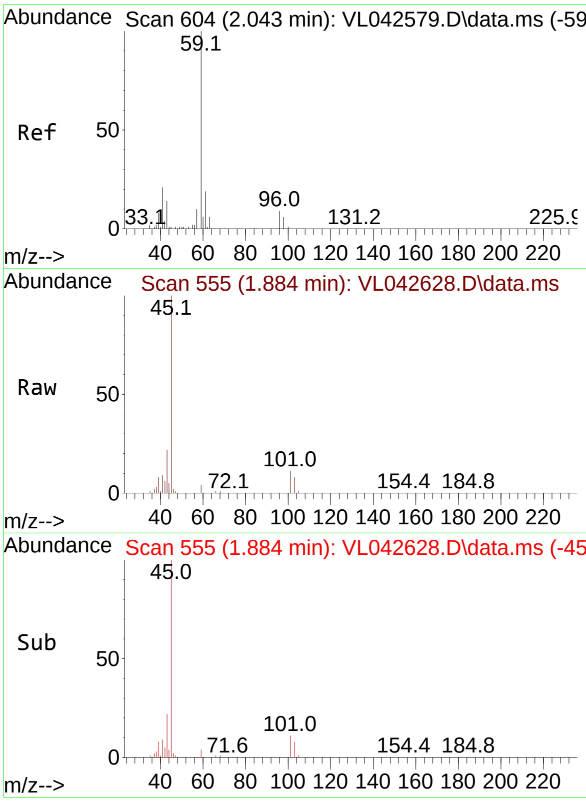


#16
1,3-Butadiene
Concen: 24.547 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.013 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 39 Resp: 149481

Ion	Ratio	Lower	Upper
39	100		
54	1.6	57.9	86.9#



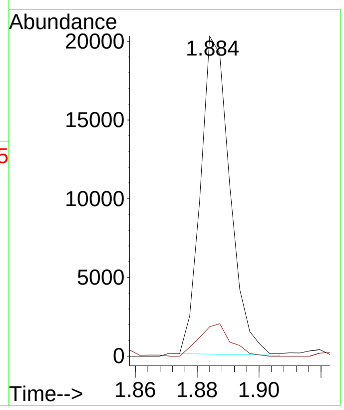


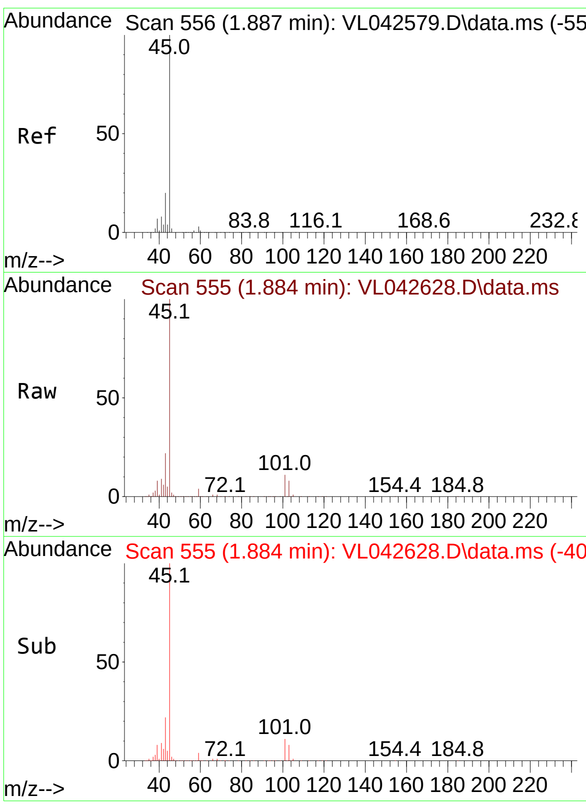
#17
tert-Butyl alcohol
Concen: 0.993 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.159 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 59 Resp: 13305

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

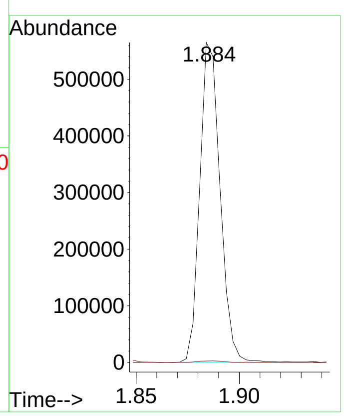


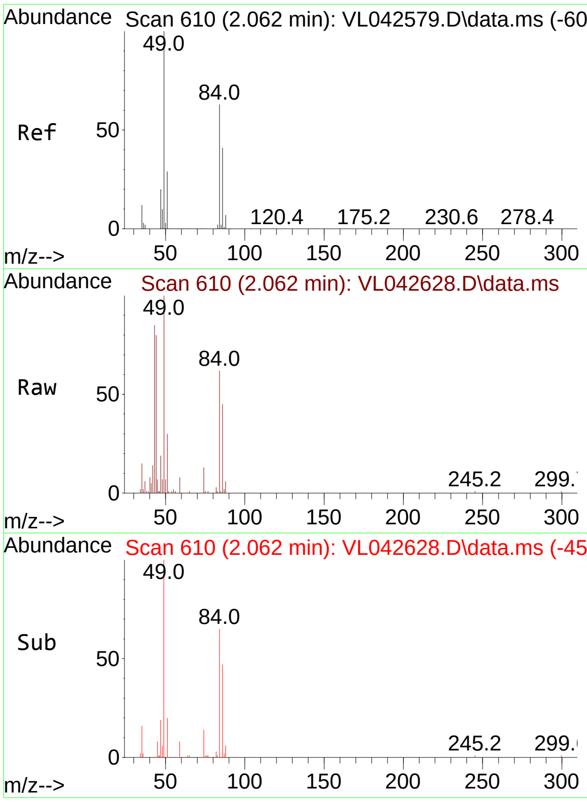


#19
Isopropyl Alcohol
Concen: 50.075 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 45 Resp: 384826

Ion	Ratio	Lower	Upper
45	100		
58	31.6	29.4	44.2



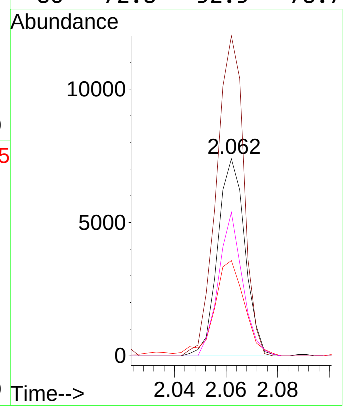


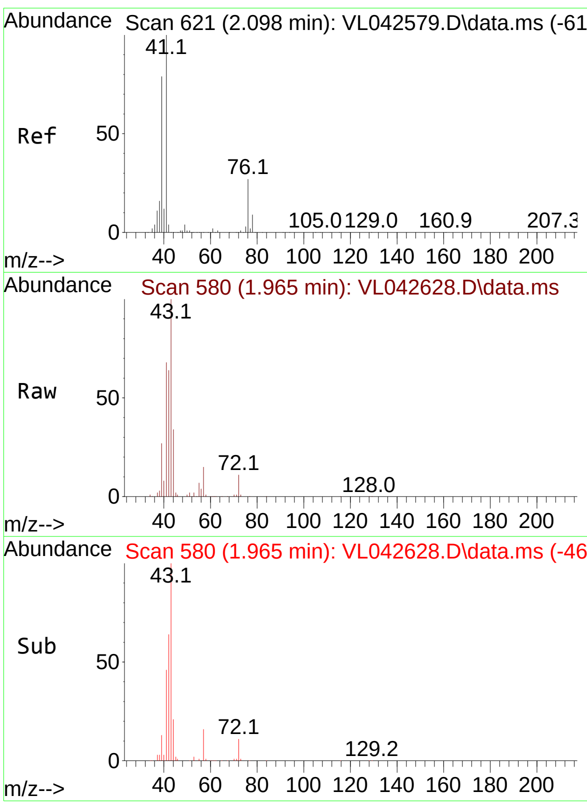
#20
Methylene Chloride
Concen: 1.281 ppbv
RT: 2.062 min   Scan# 61
Delta R.T.   0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 84 Resp: 5435

Ion	Ratio	Lower	Upper
84	100		
49	162.3	128.8	193.2
51	48.3	38.6	57.8
86	72.8	52.5	78.7

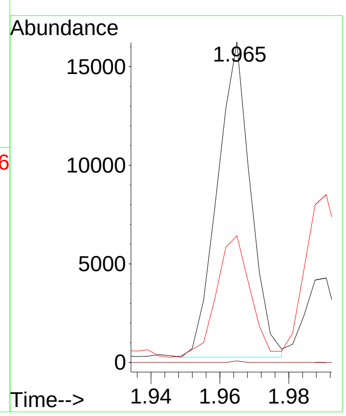


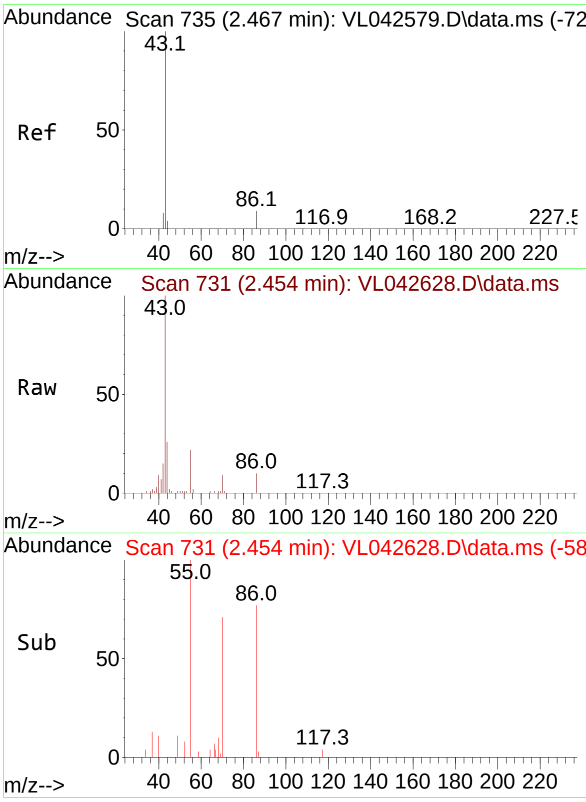


#21
Allyl Chloride
Concen: 1.178 ppbv
RT: 1.965 min   Scan# 580
Delta R.T.   -0.133 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Tgt Ion: 41 Resp: 10689

Ion	Ratio	Lower	Upper
41	100		
76	0.3	21.2	31.8#
39	0.0	60.9	91.3#





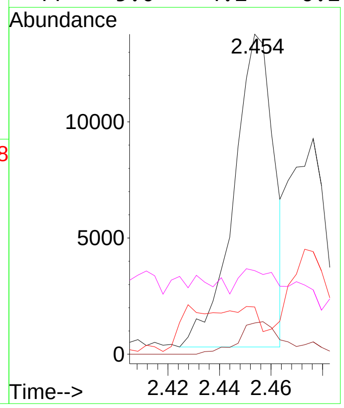
#23
Vinyl Acetate
Concen: 0.838 ppbv
RT: 2.454 min Scan# 7

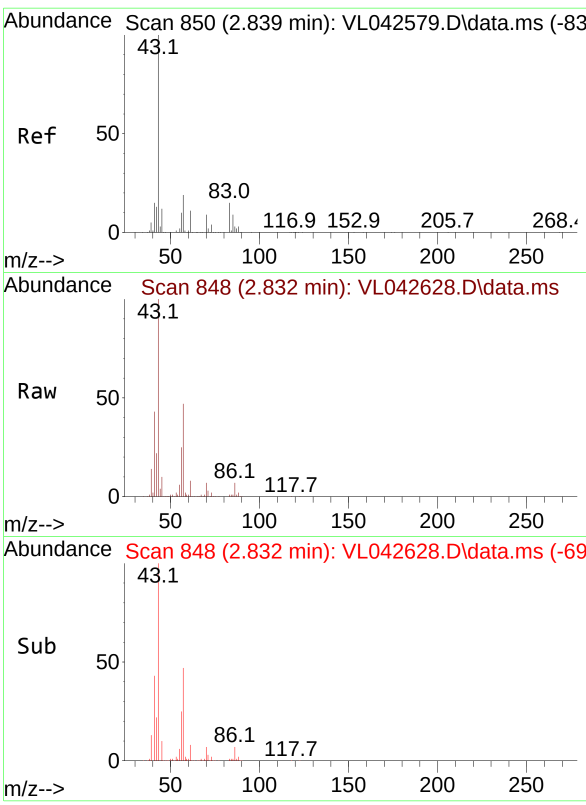
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Delta R.T. -0.013 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 43 Resp: 14570

Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.6	9.8#
42	5.0	7.0	10.4#
44	5.0	4.2	6.2

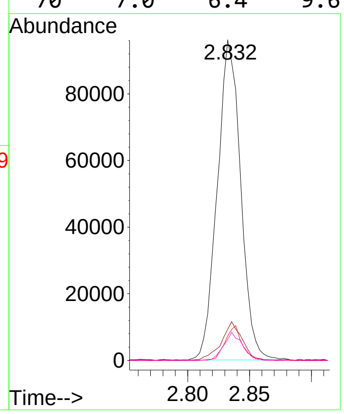


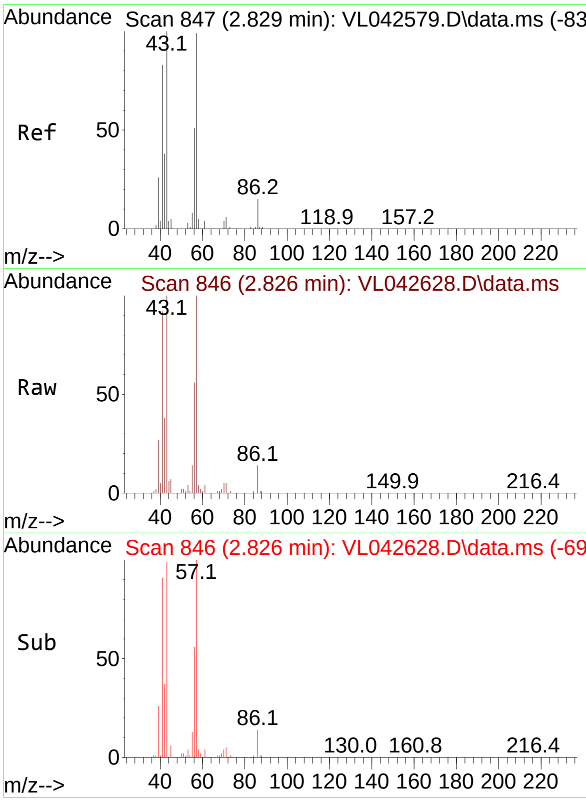


#25
Ethyl Acetate
Concen: 3.600 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 43 Resp: 126658

Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.2	12.2
61	8.0	7.1	10.7
70	7.0	6.4	9.6



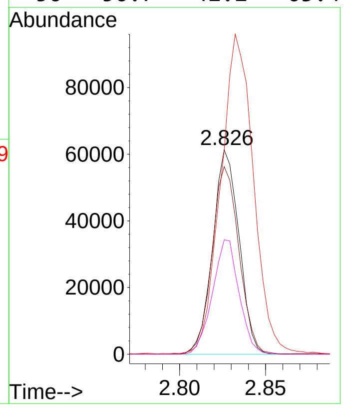


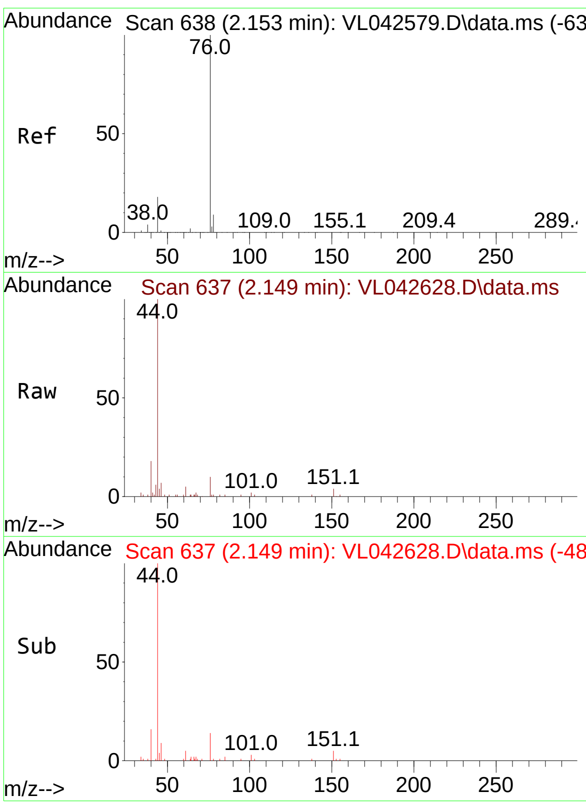
#26
Hexane
Concen: 4.081 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 57 Resp: 65240

Ion	Ratio	Lower	Upper
57	100		
41	94.9	70.6	106.0
43	195.4	181.1	271.7
56	56.7	42.2	63.4

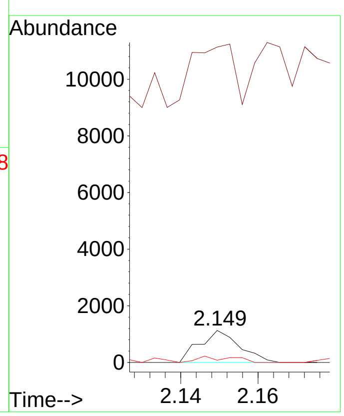


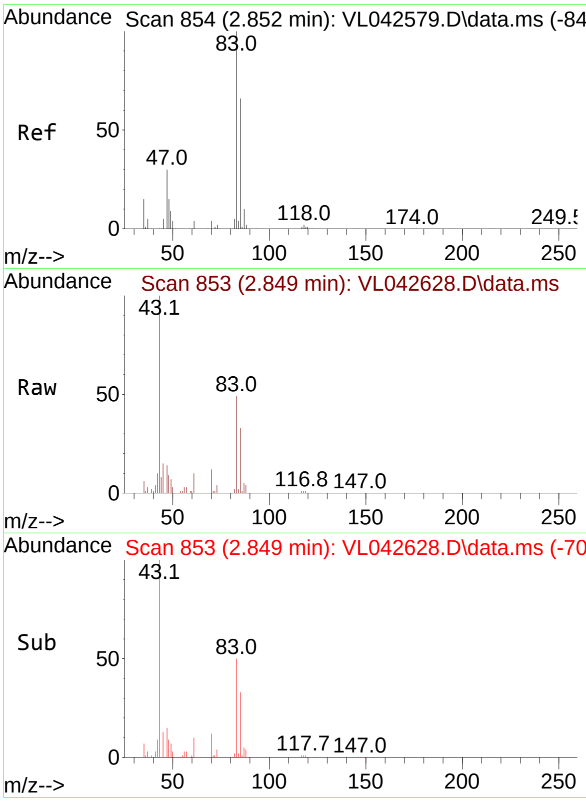


#27
Carbon Disulfide
Concen: 0.066 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 76 Resp: 809

Ion	Ratio	Lower	Upper
76	100		
44	1187.5	21.3	31.9#
78	36.5	9.4	14.0#



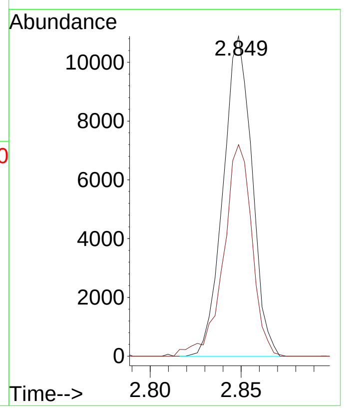


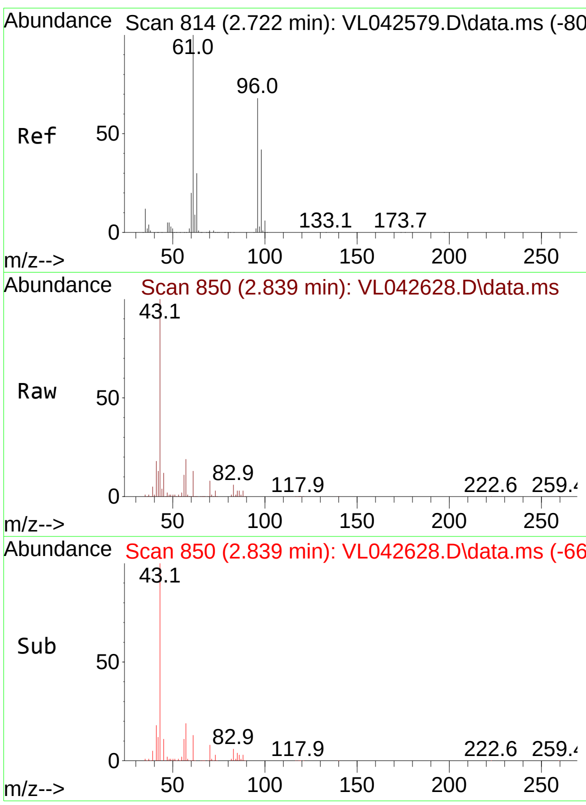
#29
Chloroform
Concen: 0.577 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 83 Resp: 11988

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.8	79.2

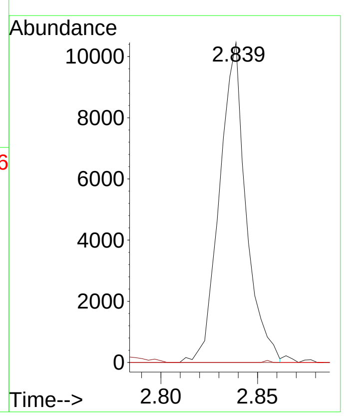


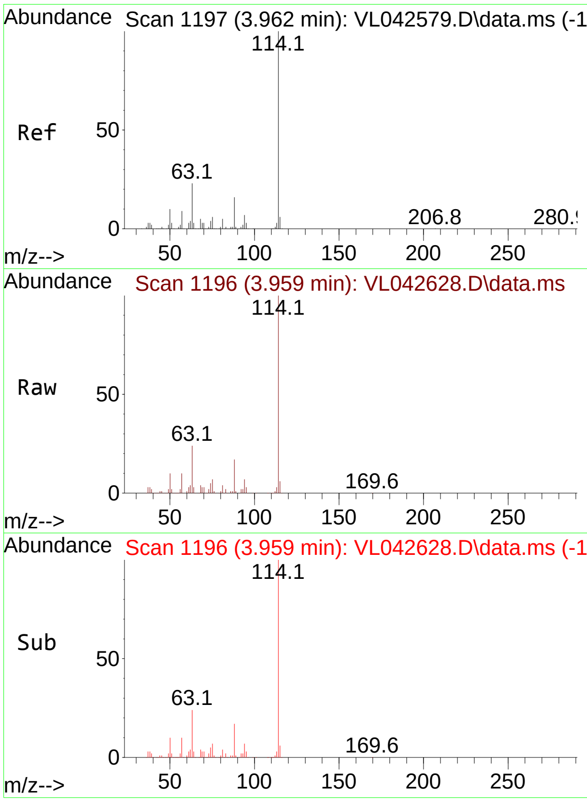


#31
cis-1,2-Dichloroethene
Concen: 0.683 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.117 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 61 Resp: 9985

Ion	Ratio	Lower	Upper
61	100		
96	0.0	54.5	81.7#
98	0.0	33.4	50.2#



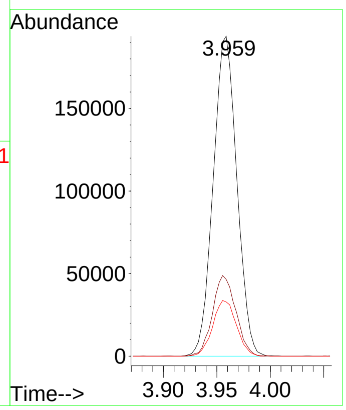


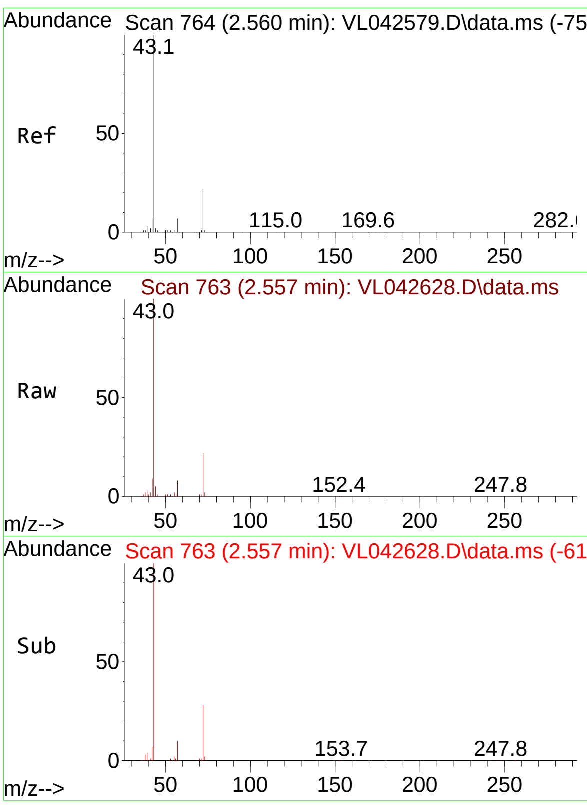
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:114 Resp: 298270

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.0	28.6
88	17.5	13.6	20.4

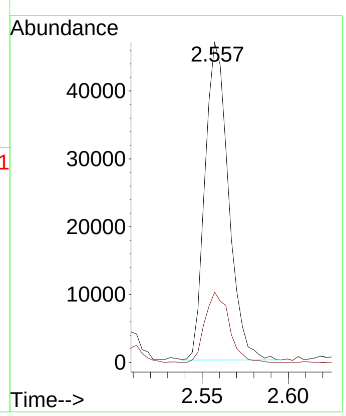


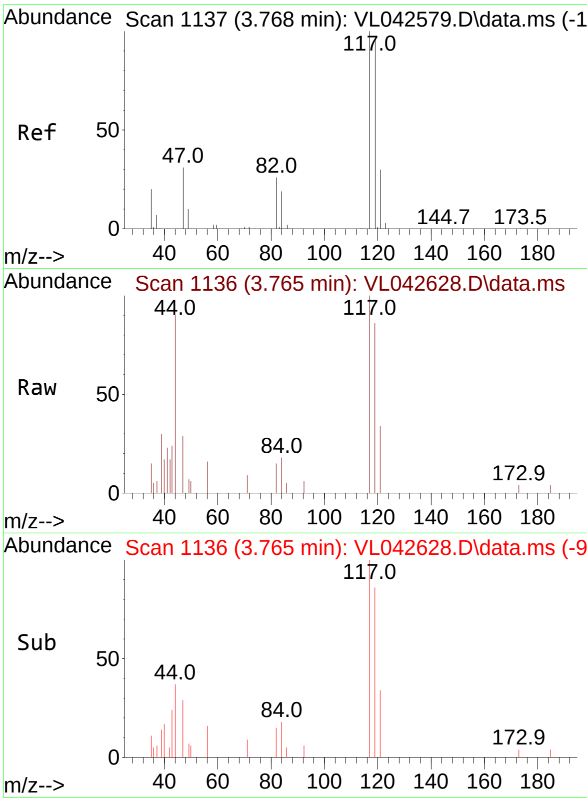


#34
2-Butanone
Concen: 2.096 ppbv
RT: 2.557 min   Scan# 763
Delta R.T.   -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Tgt Ion: 43 Resp: 44583

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.7	26.5



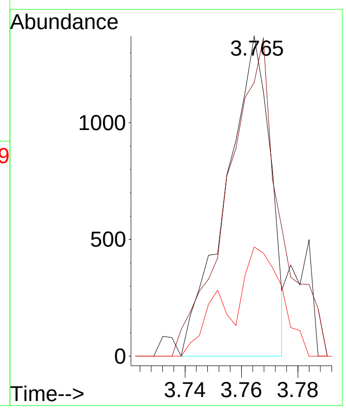


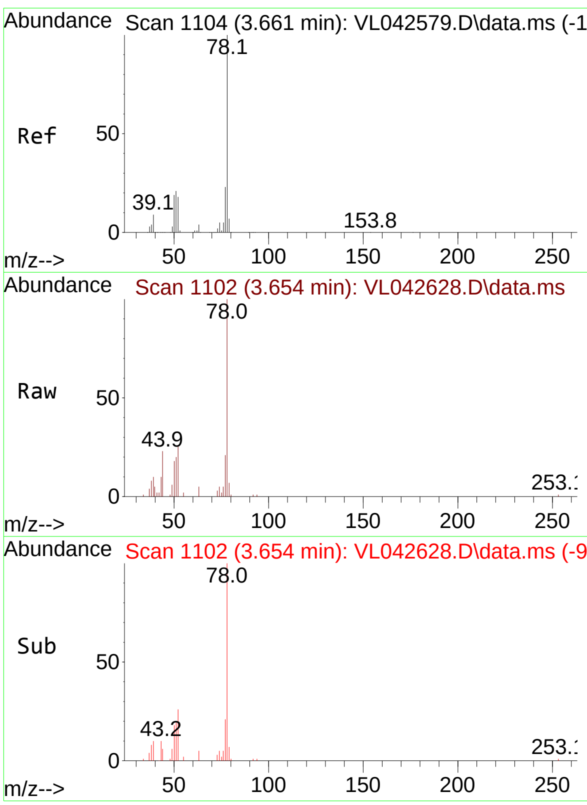
#35
Carbon Tetrachloride
Concen: 0.076 ppbv
RT: 3.765 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:117 Resp: 1506

Ion	Ratio	Lower	Upper
117	100		
119	77.2	76.8	115.2
121	34.1	24.3	36.5

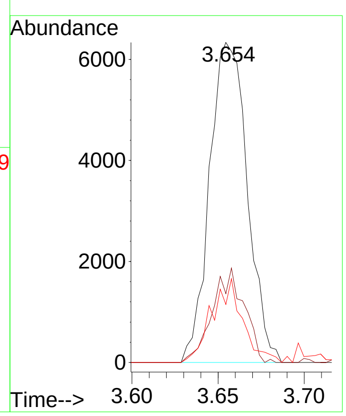


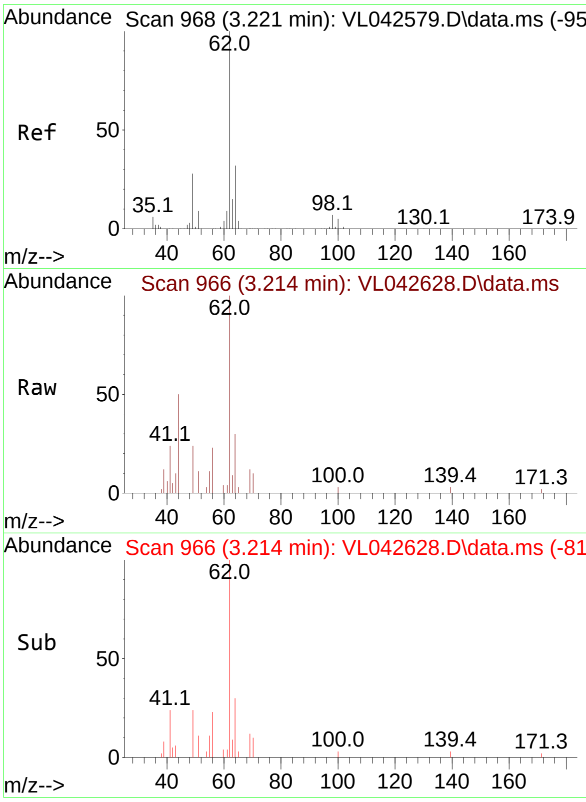


#36
Benzene
Concen: 0.329 ppbv
RT: 3.654 min   Scan# 1102
Delta R.T.   -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025   14:35

Tgt Ion: 78 Resp: 9676

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	18.1	15.2	22.8



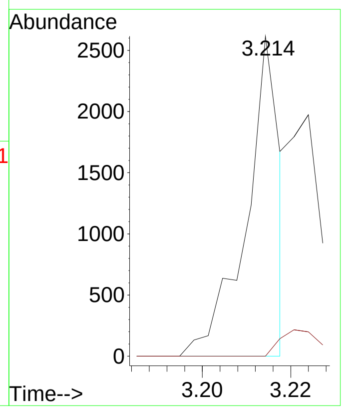


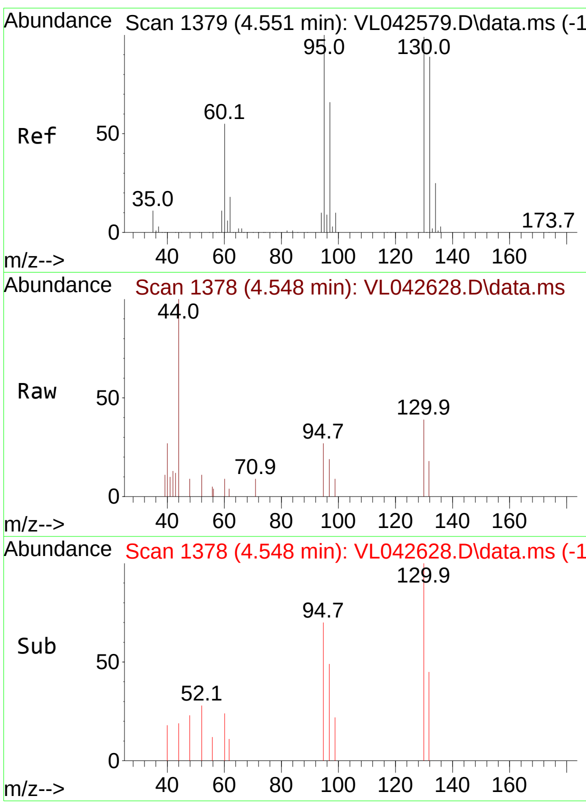
#37
1,2-Dichloroethane
Concen: 0.094 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 62 Resp: 1375

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.1	9.1#

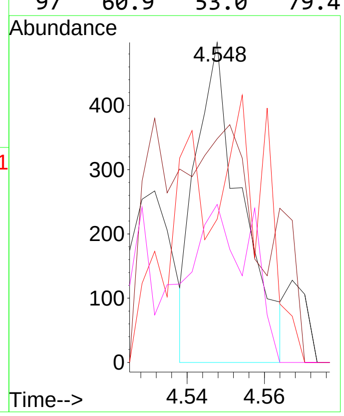


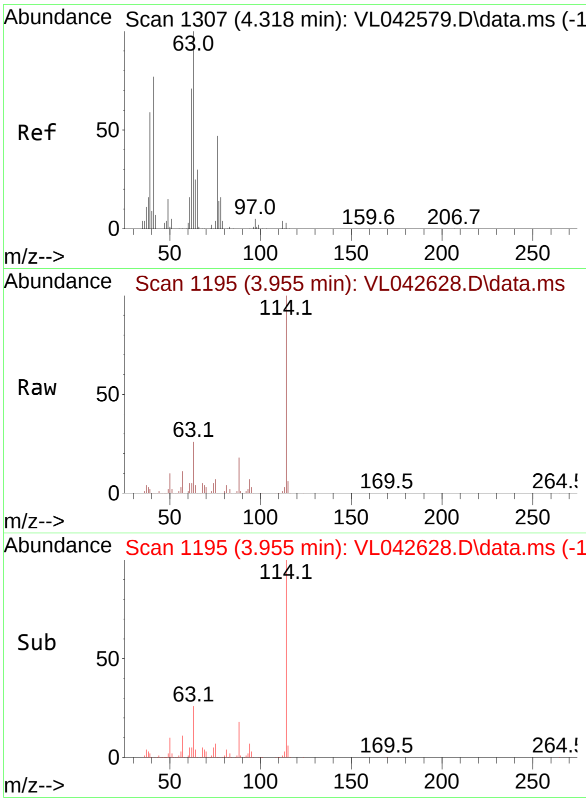


#38
Trichloroethene
Concen: 0.033 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:130 Resp: 407

Ion	Ratio	Lower	Upper
130	100		
95	26.7	80.6	121.0#
132	32.7	71.8	107.6#
97	60.9	53.0	79.4



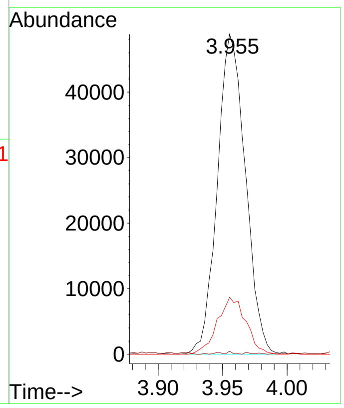


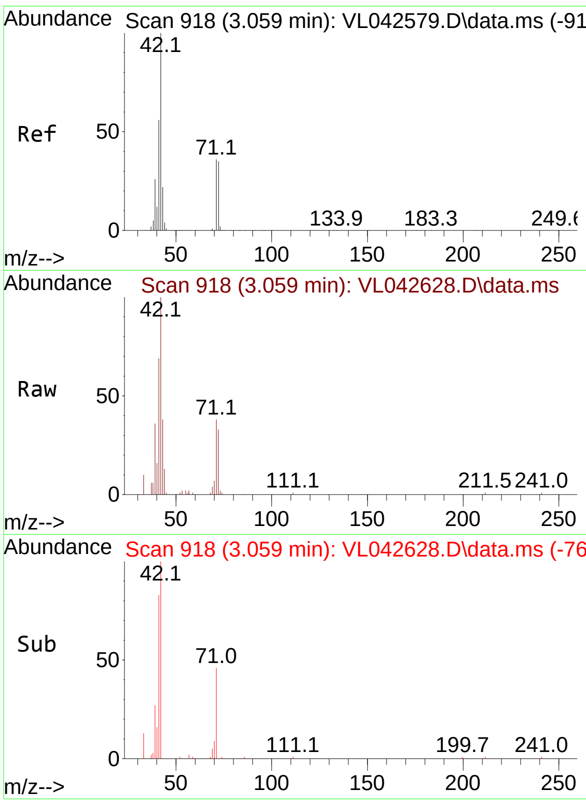
#39
1,2-Dichloropropane
Concen: 6.814 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.362 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 63 Resp: 74018

Ion	Ratio	Lower	Upper
63	100		
41	0.8	61.8	92.6#
62	17.8	56.6	85.0#

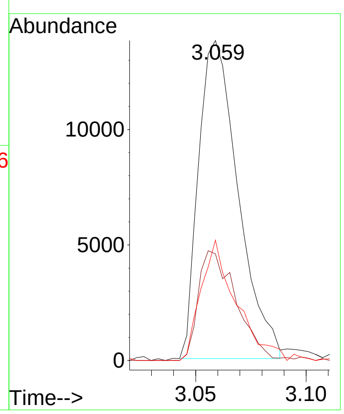


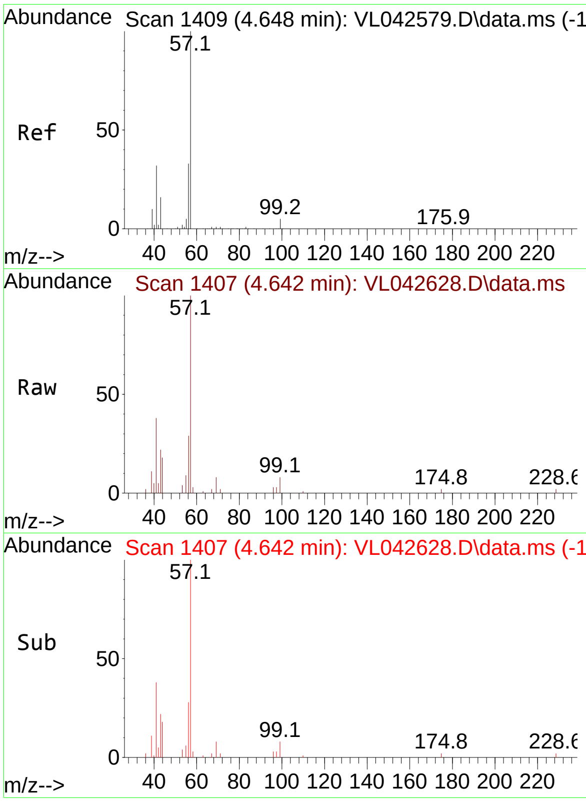


#41
Tetrahydrofuran
Concen: 1.385 ppbv
RT: 3.059 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 42 Resp: 17246

Ion	Ratio	Lower	Upper
42	100		
72	33.5	28.9	43.3
71	34.0	28.5	42.7



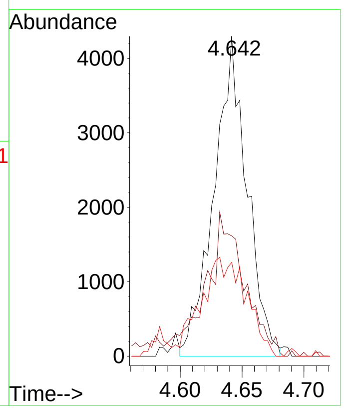


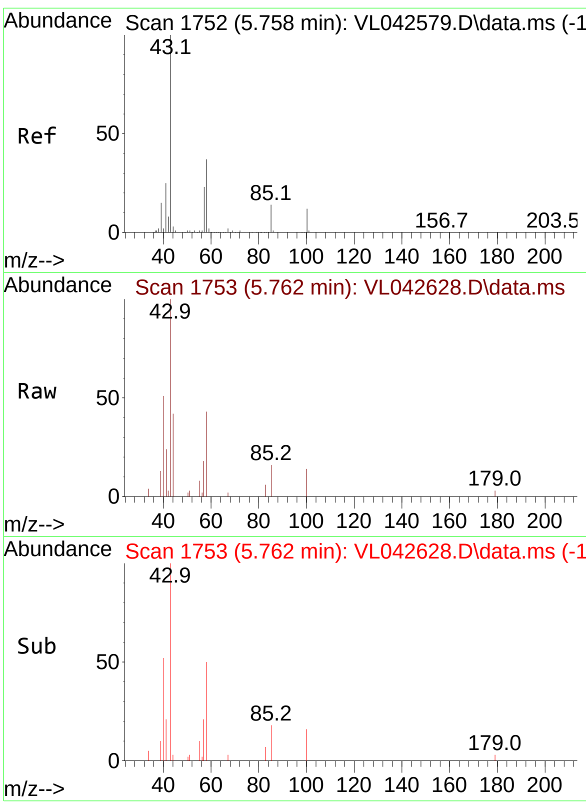
#44
2,2,4-Trimethylpentane
Concen: 0.158 ppbv
RT: 4.642 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 57 Resp: 7963

Ion	Ratio	Lower	Upper
57	100		
41	57.2	26.1	39.1#
56	48.1	25.9	38.9#

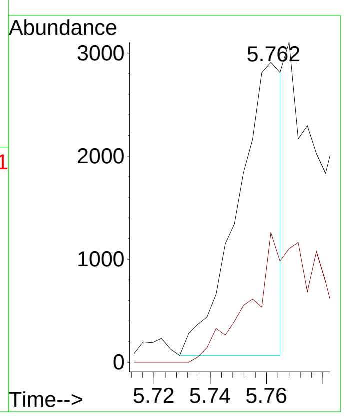


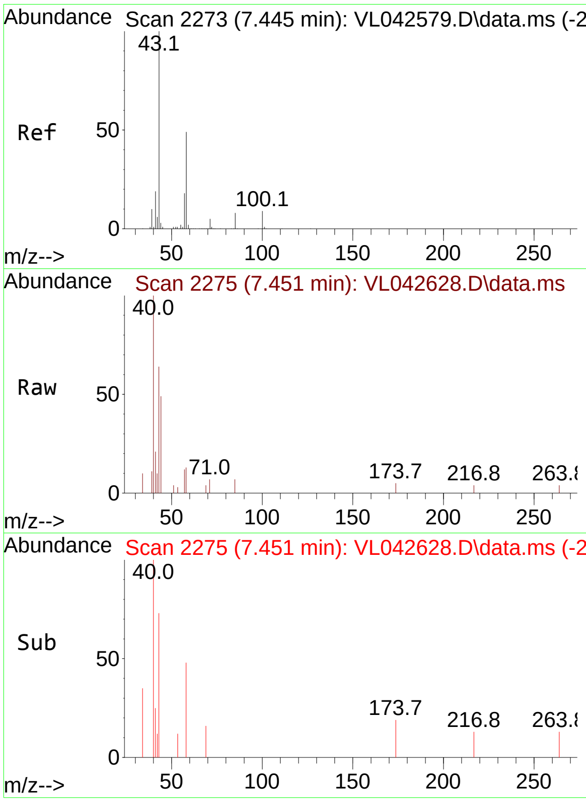


#50
4-Methyl-2-Pentanone
Concen: 0.106 ppbv
RT: 5.762 min Scan# 1753
Delta R.T. 0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 43 Resp: 3117

Ion	Ratio	Lower	Upper
43	100		
58	86.0	28.3	42.5#



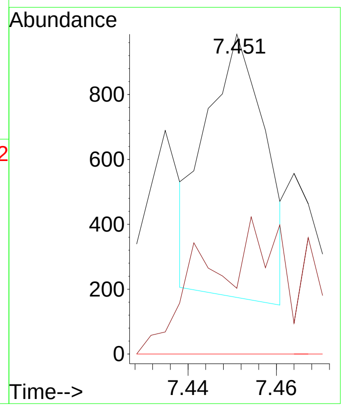


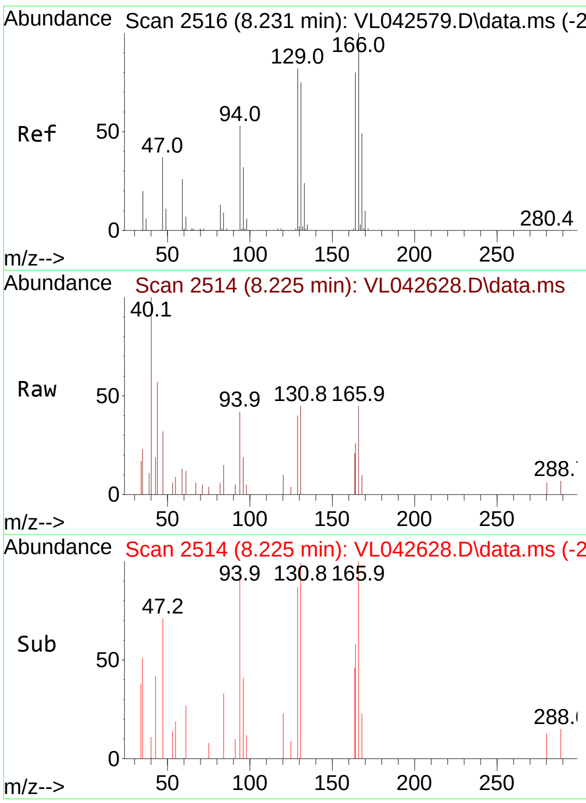
#51
2-Hexanone
Concen: 0.032 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 43 Resp: 749

Ion	Ratio	Lower	Upper
43	100		
58	89.1	39.9	59.9#
98	6.4	0.1	0.1#

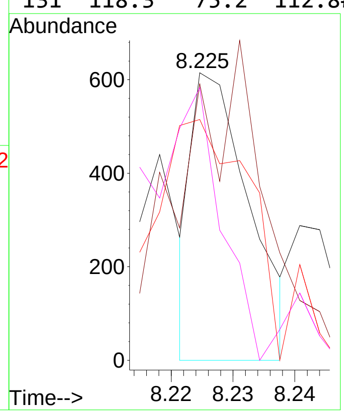


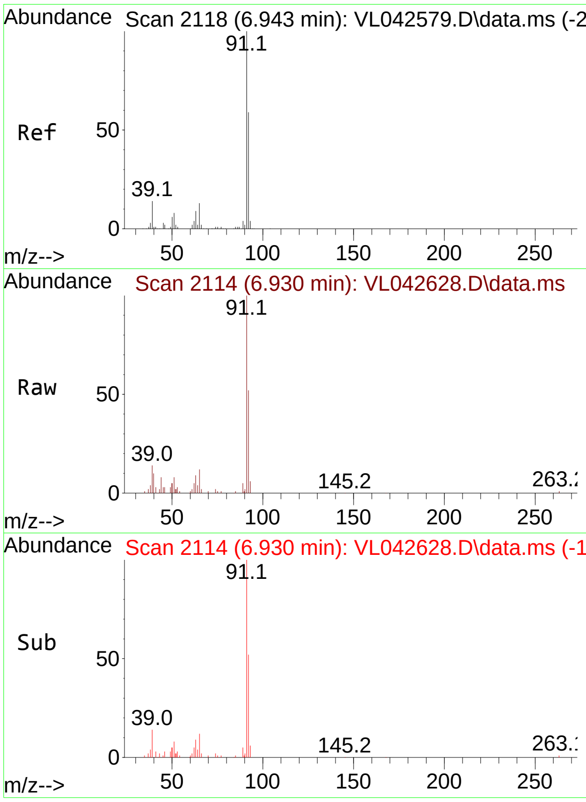


#52
Tetrachloroethene
Concen: 0.036 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:164 Resp: 397

Ion	Ratio	Lower	Upper
164	100		
166	82.6	100.0	150.0#
129	117.8	82.2	123.4
131	118.3	75.2	112.8#



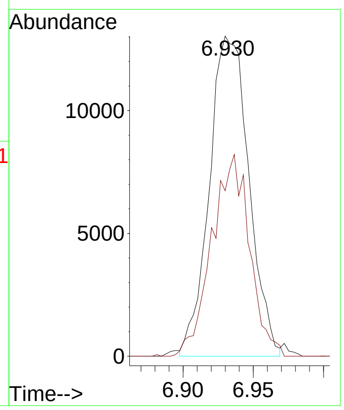


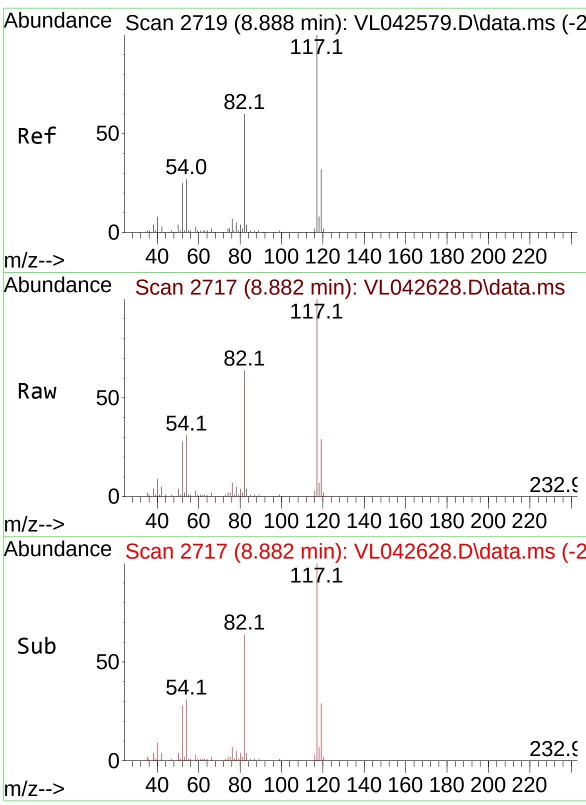
#53
Toluene
Concen: 0.753 ppbv
RT: 6.930 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 91 Resp: 25563

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.4

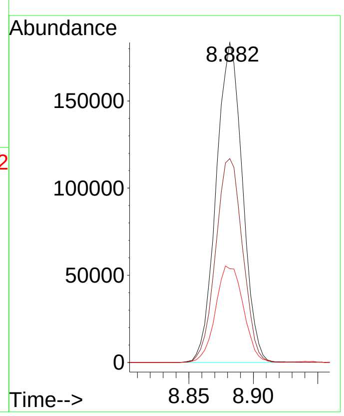


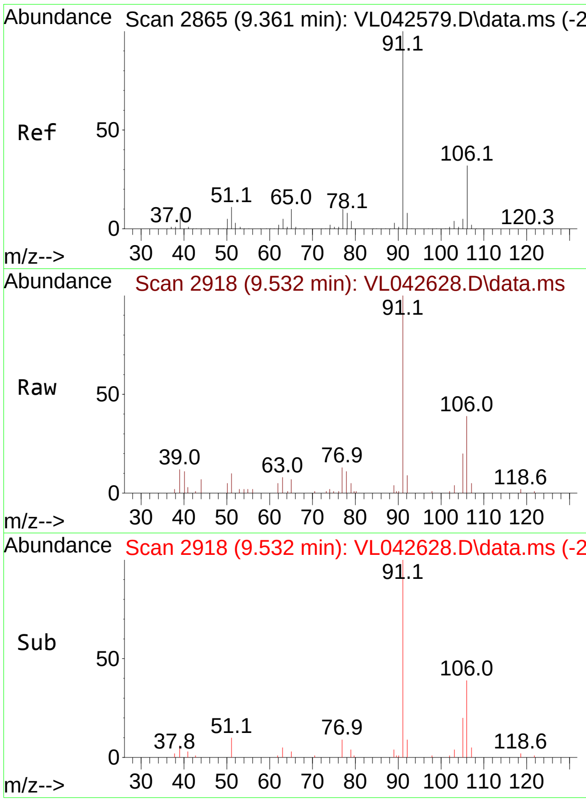


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:117 Resp: 259856

Ion	Ratio	Lower	Upper
117	100		
82	65.6	51.2	76.8
119	32.0	26.3	39.5



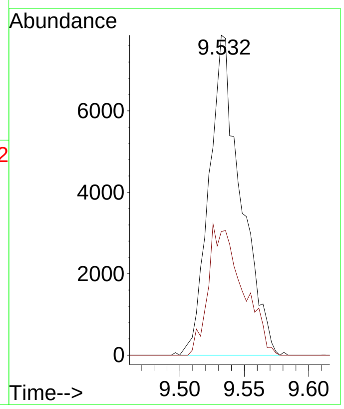


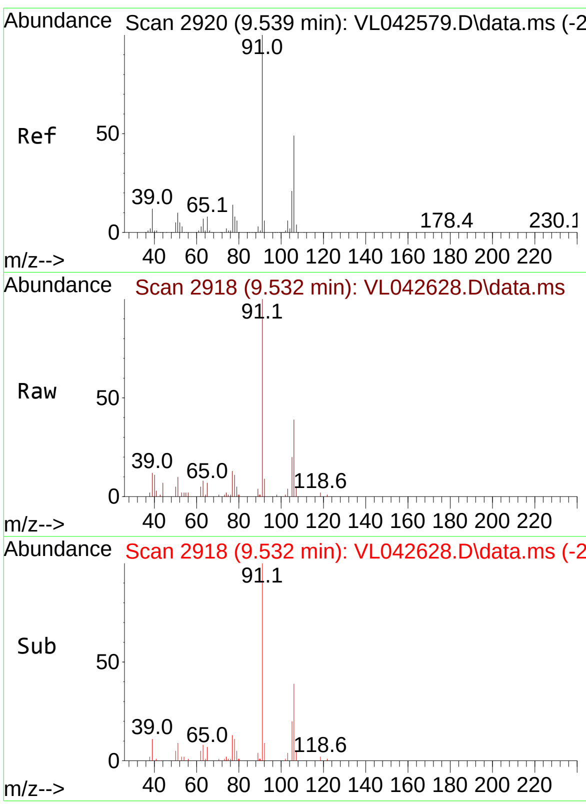
#58
Ethyl Benzene
Concen: 0.306 ppbv
RT: 9.532 min Scan# 2
Delta R.T. 0.172 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 91 Resp: 13470

Ion	Ratio	Lower	Upper
91	100		
106	38.7	25.9	38.9

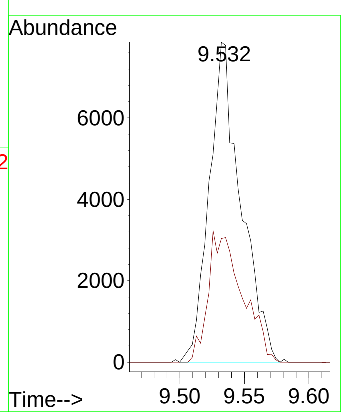


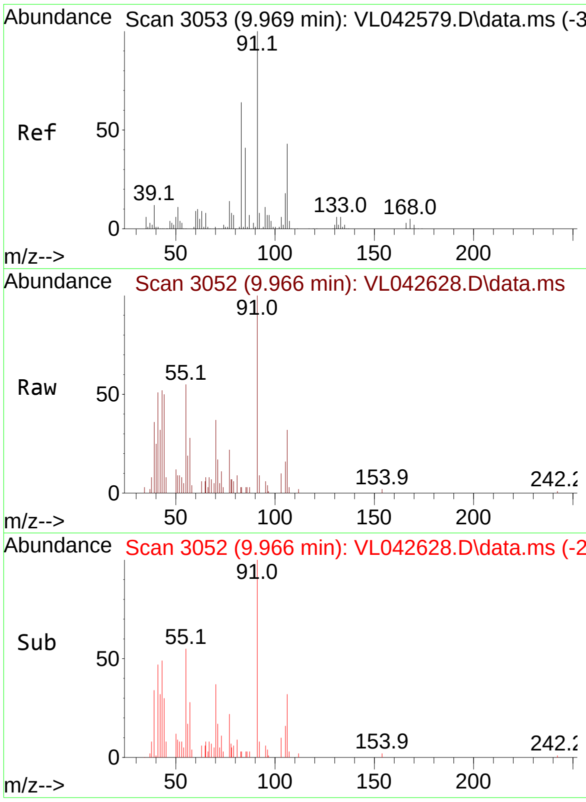


#59
m/p-Xylene
Concen: 0.388 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 91 Resp: 13470

Ion	Ratio	Lower	Upper
91	100		
106	44.2	38.8	58.2



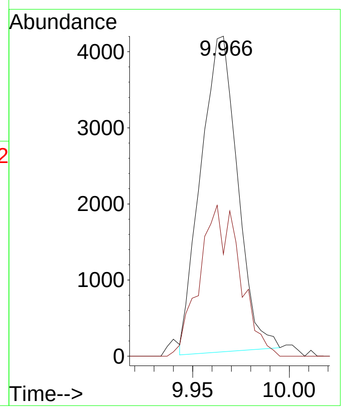


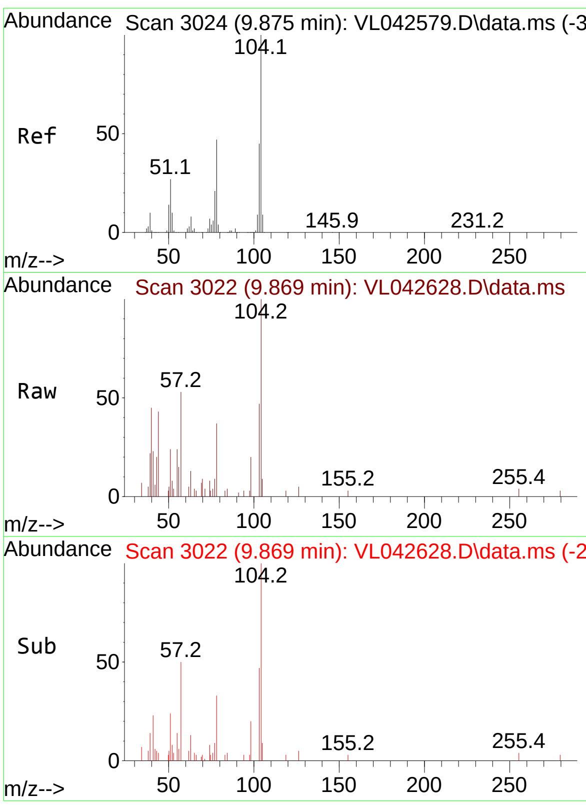
#60
o-Xylene
Concen: 0.159 ppbv
RT: 9.966 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 91 Resp: 5491

Ion	Ratio	Lower	Upper
91	100		
106	52.5	22.9	68.5

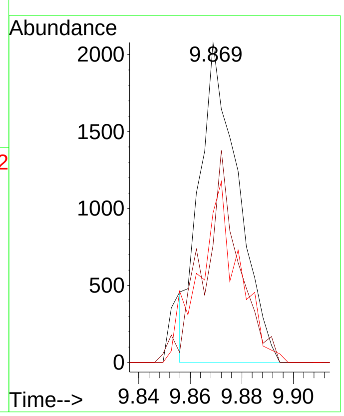


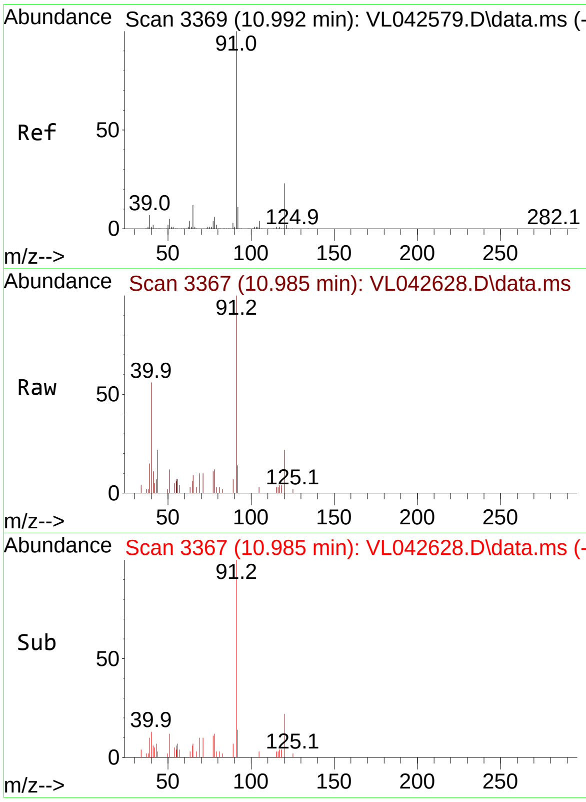


#61
Styrene
Concen: 0.132 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:104 Resp: 2154

Ion	Ratio	Lower	Upper
104	100		
78	60.3	38.2	57.4#
103	58.4	36.7	55.1#



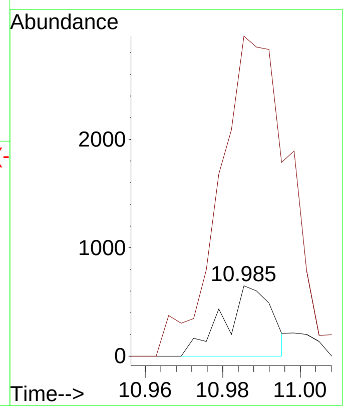


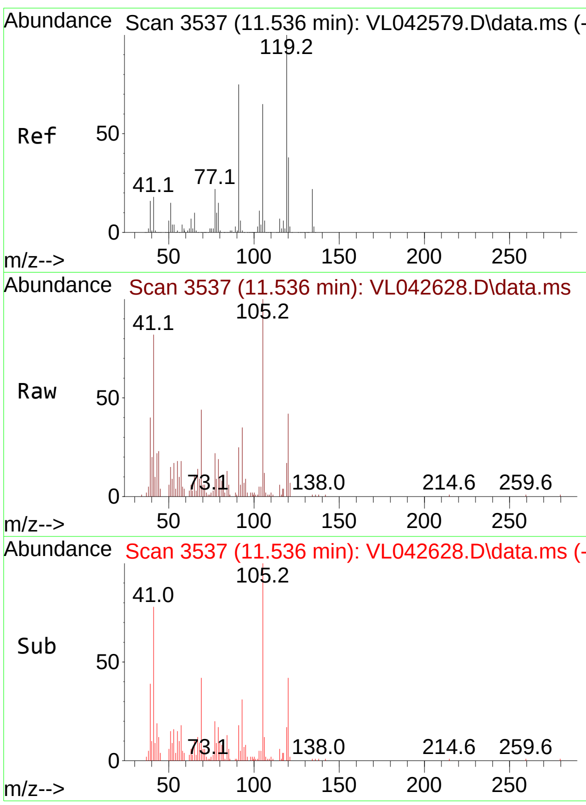
#64
n-propylbenzene
Concen: 0.041 ppbv
RT: 10.985 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:120 Resp: 561

Ion	Ratio	Lower	Upper
120	100		
91	698.4	363.0	544.6#

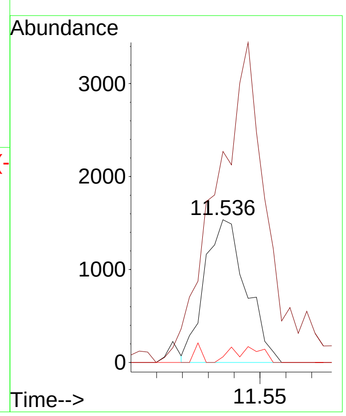


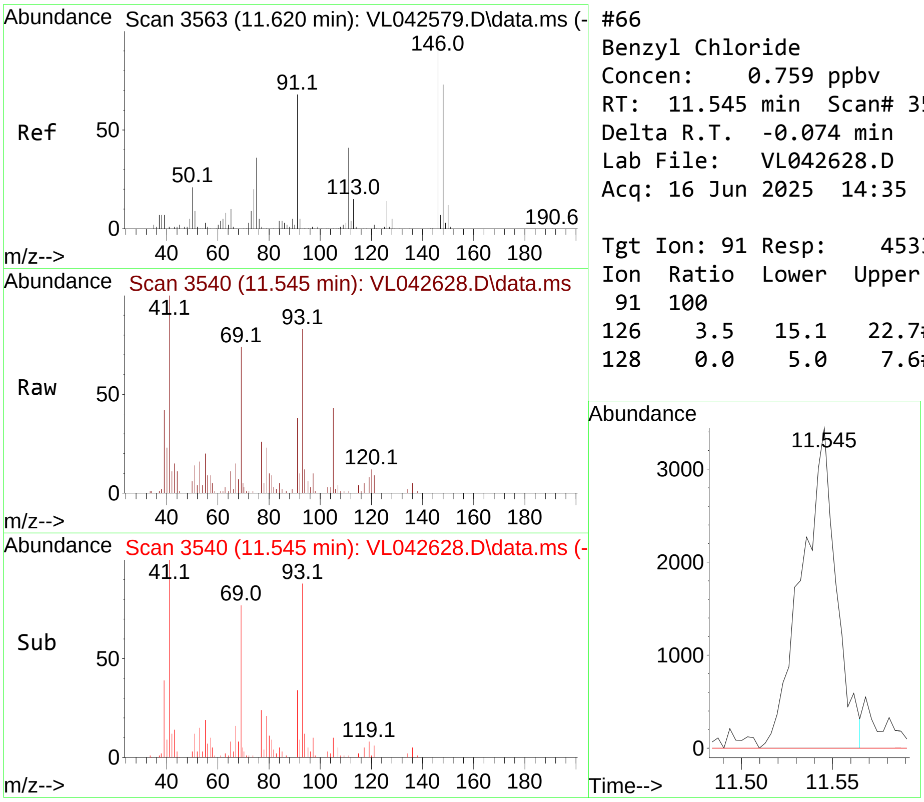


#65
tert-Butylbenzene
Concen: 0.037 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:119 Resp: 1719

Ion	Ratio	Lower	Upper
119	100		
91	263.0	61.1	91.7#
134	0.0	17.4	26.2#



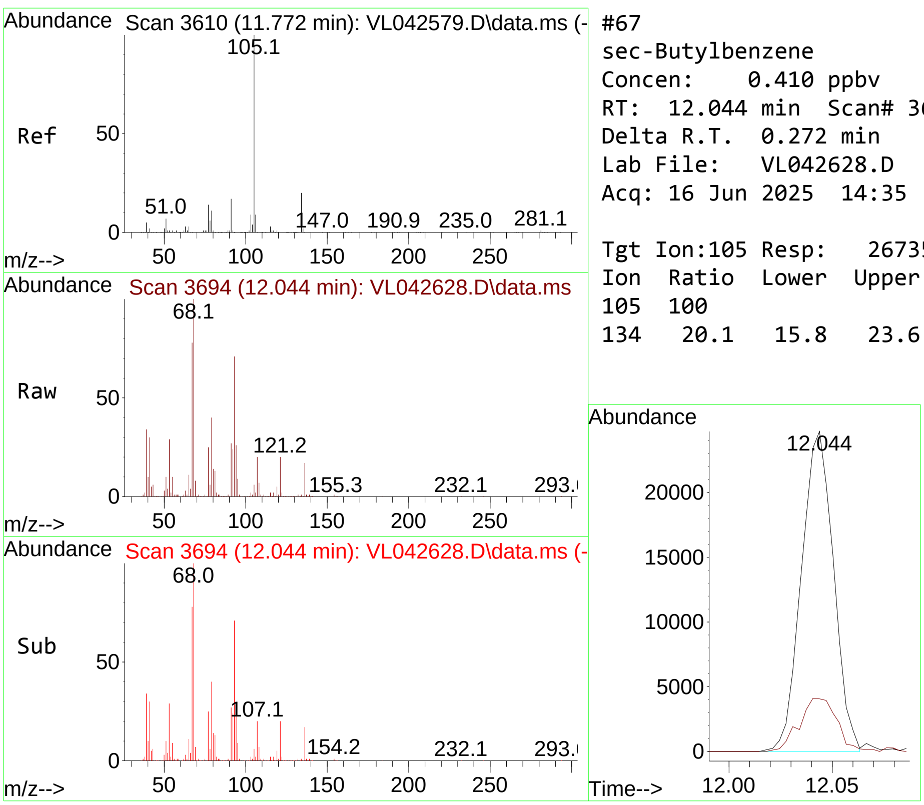


#66
Benzyl Chloride
Concen: 0.759 ppbv
RT: 11.545 min Scan# 3!
Delta R.T. -0.074 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 91 Resp: 4533

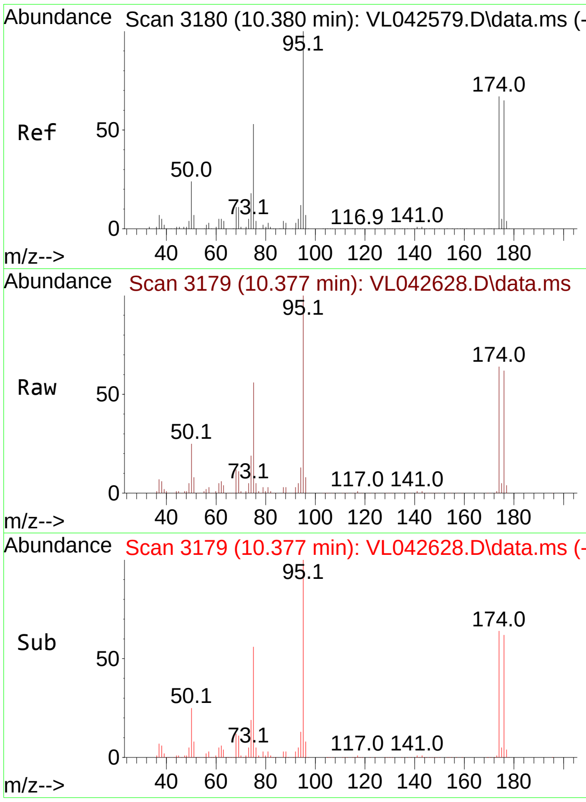
Ion	Ratio	Lower	Upper
91	100		
126	3.5	15.1	22.7#
128	0.0	5.0	7.6#



#67
sec-Butylbenzene
Concen: 0.410 ppbv
RT: 12.044 min Scan# 3694
Delta R.T. 0.272 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:105 Resp: 26735

Ion	Ratio	Lower	Upper
105	100		
134	20.1	15.8	23.6

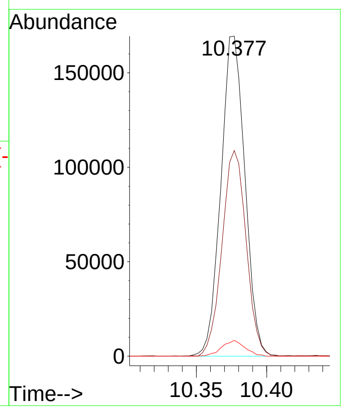


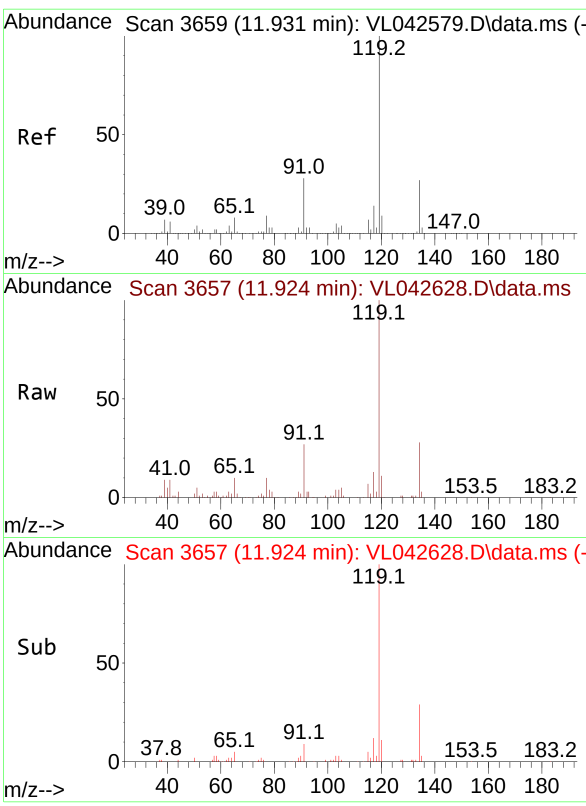
#68
1-Bromo-4-Fluorobenzene
Concen: 10.376 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 95 Resp: 202110

Ion	Ratio	Lower	Upper
95	100		
174	64.4	53.1	79.7
175	4.8	4.2	6.2

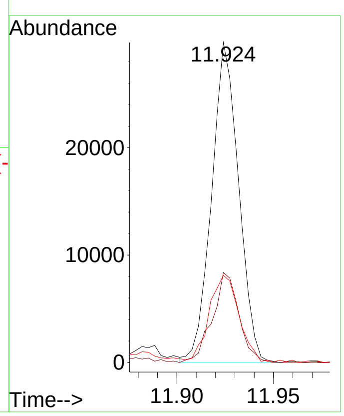


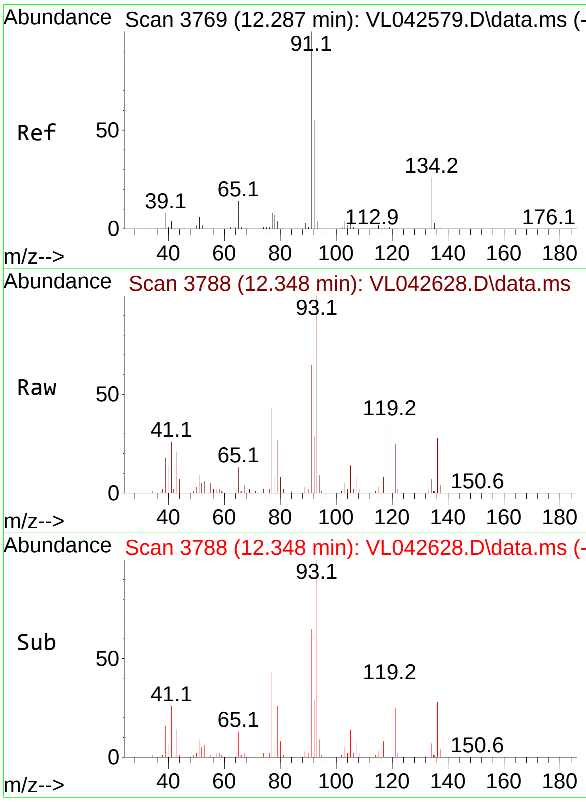


#69
p-Isopropyltoluene
Concen: 0.531 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.006 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:119 Resp: 29010

Ion	Ratio	Lower	Upper
119	100		
134	27.7	21.1	31.7
91	31.1	21.9	32.9



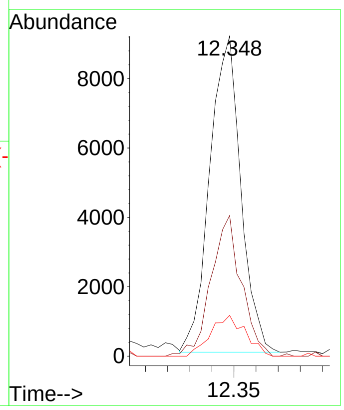


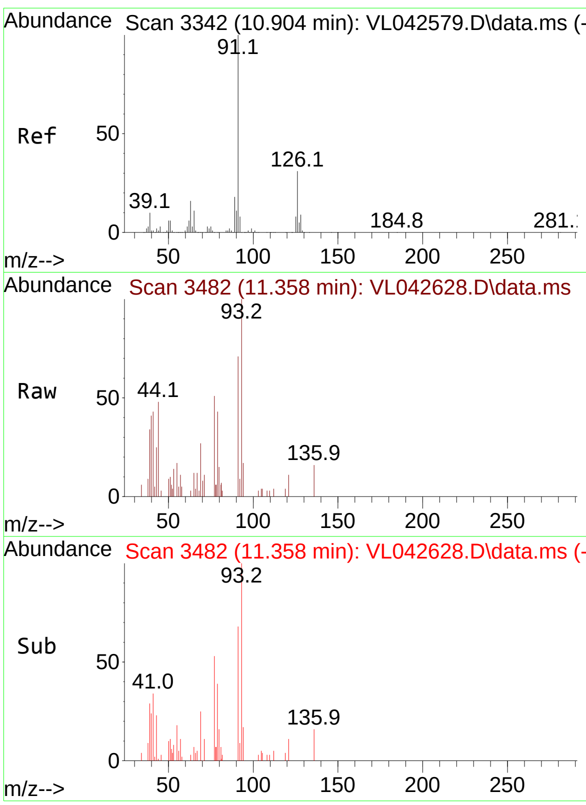
#70
n-Butylbenzene
Concen: 0.165 ppbv
RT: 12.348 min Scan# 3
Delta R.T. 0.062 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion: 91 Resp: 8911

Ion	Ratio	Lower	Upper
91	100		
92	43.4	44.4	66.6#
134	14.4	20.1	30.1#

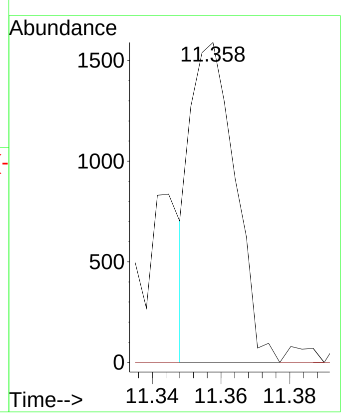


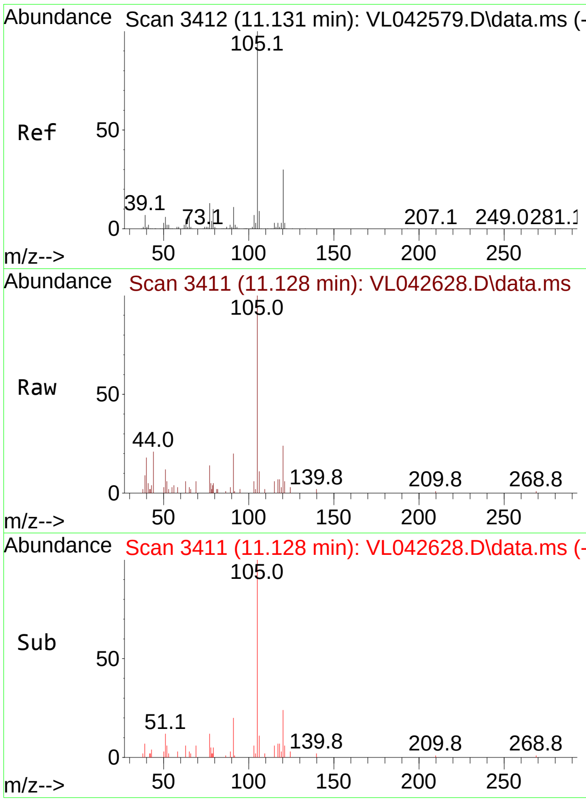


#71
2-Chlorotoluene
Concen: 0.037 ppbv
RT: 11.358 min Scan# 3482
Delta R.T. 0.453 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion: 91 Resp: 1437

Ion	Ratio	Lower	Upper
91	100		
126	13.7	12.6	50.4



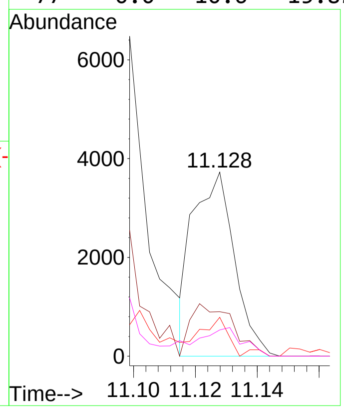


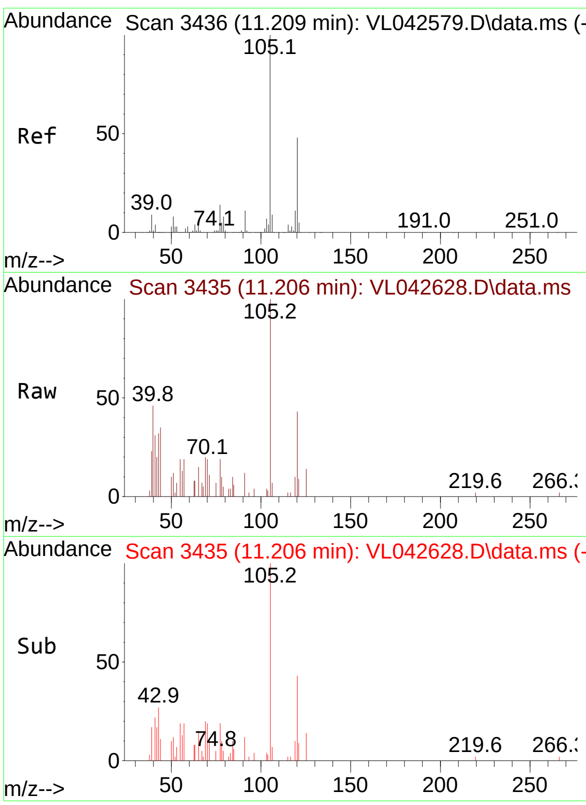
#72
4-Ethyltoluene
Concen: 0.081 ppbv
RT: 11.128 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:105 Resp: 3475

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.6	36.8#
91	0.0	9.6	14.4#
77	0.0	10.6	15.8#

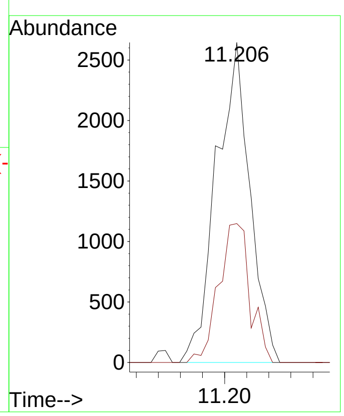


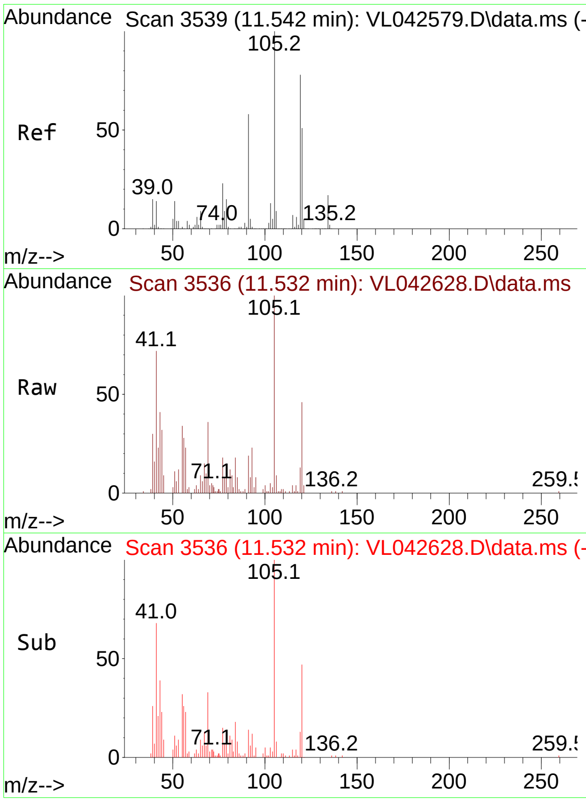


#73
1,3,5-Trimethylbenzene
Concen: 0.078 ppbv
RT: 11.206 min Scan# 3435
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:105 Resp: 2791

Ion	Ratio	Lower	Upper
105	100		
120	43.4	38.8	58.2



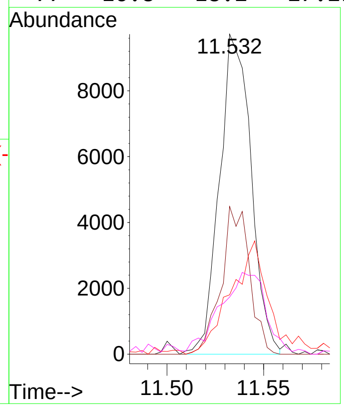


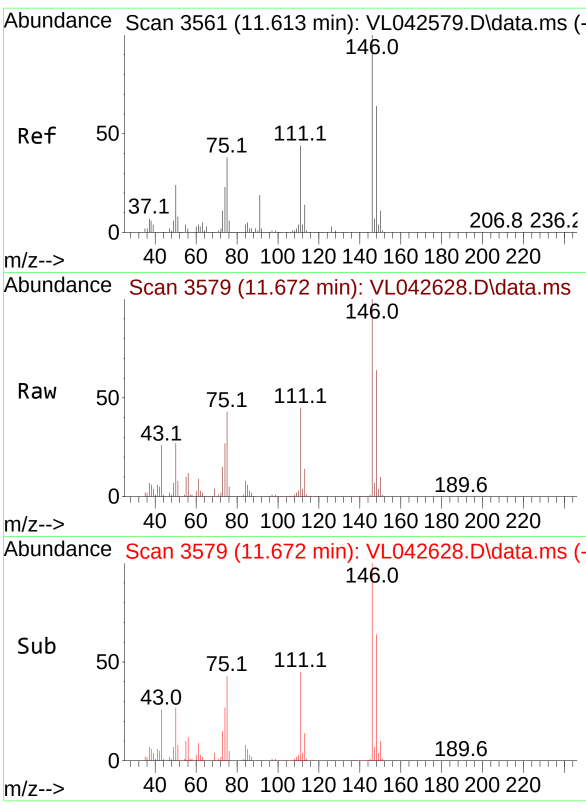
#74
1,2,4-Trimethylbenzene
Concen: 0.279 ppbv
RT: 11.532 min Scan# 3!
Delta R.T. -0.010 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:105 Resp: 11072

Ion	Ratio	Lower	Upper
105	100		
120	46.1	40.8	61.2
91	17.4	46.8	70.2#
77	16.8	18.2	27.2#

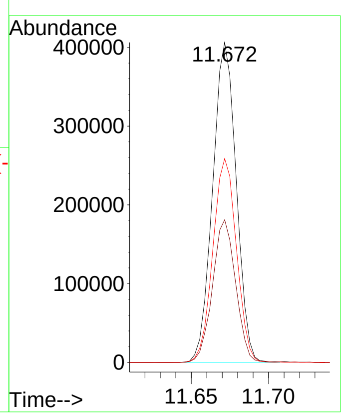


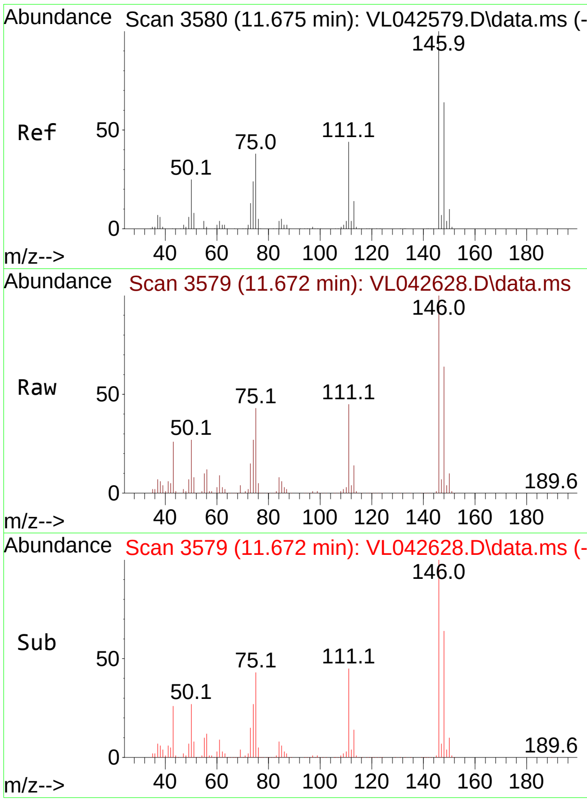


#75
1,3-Dichlorobenzene
Concen: 17.325 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.058 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:146 Resp: 430999

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.4	67.3
148	63.9	32.0	96.2



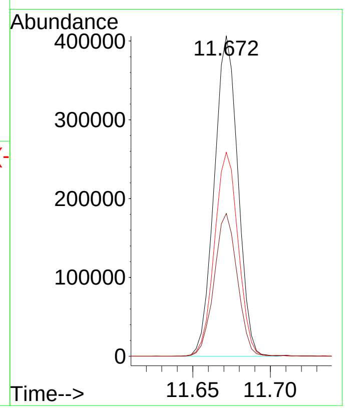


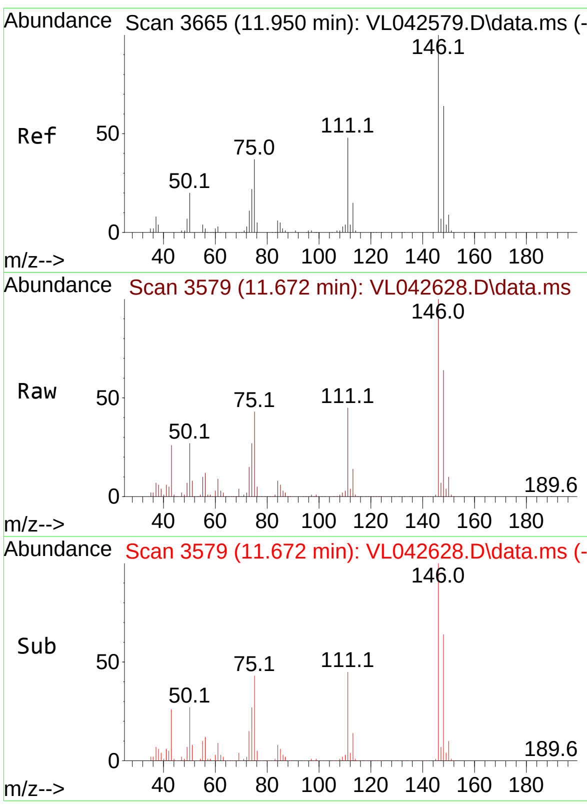
#76
1,4-Dichlorobenzene
Concen: 17.371 ppbv
RT: 11.672 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:146 Resp: 430999

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	63.9	32.1	96.5

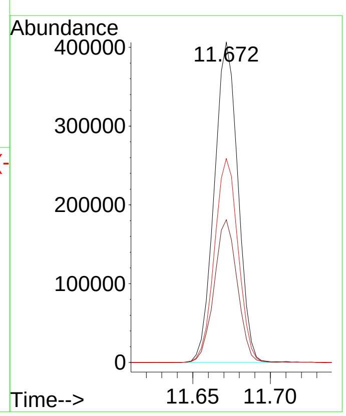


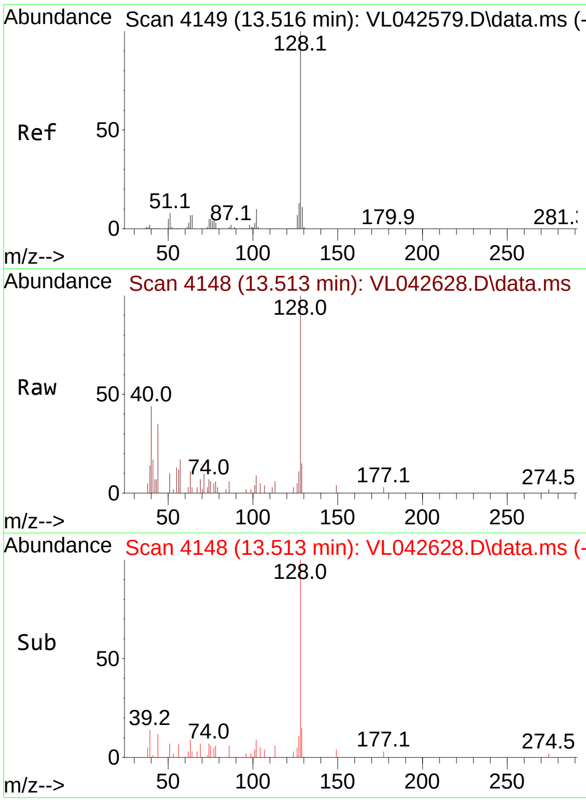


#77
1,2-Dichlorobenzene
Concen: 17.851 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.278 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Tgt Ion:146 Resp: 430999

Ion	Ratio	Lower	Upper
146	100		
111	43.8	23.1	69.3
148	63.9	32.1	96.3



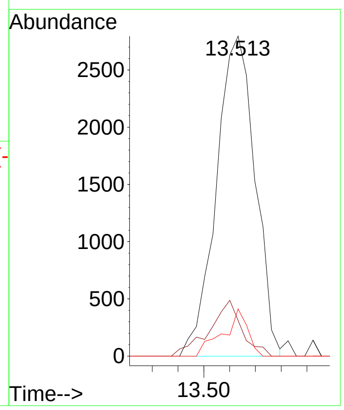


#79
Naphthalene
Concen: 0.079 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042628.D
Acq: 16 Jun 2025 14:35

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1

Tgt Ion:128 Resp: 2932

Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.2	15.4#
129	12.8	8.8	13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042629.D
Acq On : 16 Jun 2025 15:12
Operator : SY/MD
Sample : Q2317-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 115-IA-2

Quant Time: Jun 17 03:06:24 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	2.790	49	106087	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	286951	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.885	117	264656	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.380	95	201774	10.170 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.700%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	6451	0.495 ppbv	95
3) Chlorodifluoromethane	1.466	51	95463	5.316 ppbv #	64
4) Chloromethane	1.531	50	3632	0.703 ppbv	94
6) Bromomethane	1.667	94	117	0.046 ppbv #	43
7) Chloroethane	1.706	64	92	0.045 ppbv	97
9) Propene	1.560	41	126112	17.439 ppbv	98
10) Heptane	4.985	43	2218	0.109 ppbv #	28
11) Trichlorofluoromethane	1.877	101	65222	5.376 ppbv	95
12) 1,1,2-Trichlorotrifluo...	1.877	101	65222	6.847 ppbv #	15
13) Ethanol	1.722	45	486754	564.798 ppbv	98
15) Acetone	1.835	43	410961	32.160 ppbv	99
16) 1,3-Butadiene	1.622	39	32247	5.327 ppbv #	17
17) tert-Butyl alcohol	2.043	59	5634	0.423 ppbv	98
19) Isopropyl Alcohol	1.887	45	78614	10.291 ppbv #	1
20) Methylene Chloride	2.062	84	2472	0.586 ppbv #	93
21) Allyl Chloride	2.046	41	1426	0.158 ppbv #	33
23) Vinyl Acetate	2.457	43	21446	1.242 ppbv #	94
25) Ethyl Acetate	2.842	43	32533	0.930 ppbv #	91
26) Hexane	2.829	57	15180	0.955 ppbv	95
27) Carbon Disulfide	2.149	76	416	0.034 ppbv #	1
29) Chloroform	2.852	83	6100	0.295 ppbv	100
34) 2-Butanone	2.564	43	46400	2.267 ppbv	98
35) Carbon Tetrachloride	3.768	117	1051	0.055 ppbv #	71
36) Benzene	3.661	78	9624	0.341 ppbv #	91
37) 1,2-Dichloroethane	3.221	62	624	0.044 ppbv #	86
39) 1,2-Dichloropropane	3.962	63	71630	6.855 ppbv #	23
41) Tetrahydrofuran	3.065	42	18450	1.540 ppbv	93
53) Toluene	6.936	91	19503	0.597 ppbv	100
58) Ethyl Benzene	9.361	91	4016	0.089 ppbv #	85
59) m/p-Xylene	9.539	91	7325	0.207 ppbv #	80
60) o-Xylene	9.969	91	3689	0.105 ppbv	99
61) Styrene	9.878	104	1251	0.075 ppbv #	54
62) Isopropylbenzene	10.811	105	23844	0.458 ppbv #	49
66) Benzyl Chloride	11.542	91	1208	0.199 ppbv #	76
69) p-Isopropyltoluene	11.930	119	30528	0.549 ppbv	93
71) 2-Chlorotoluene	10.862	91	18195	0.458 ppbv #	45
74) 1,2,4-Trimethylbenzene	11.539	105	5204	0.129 ppbv #	67
75) 1,3-Dichlorobenzene	11.675	146	559989	22.102 ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	559989	22.160 ppbv	99
77) 1,2-Dichlorobenzene	11.675	146	559989	22.772 ppbv	99

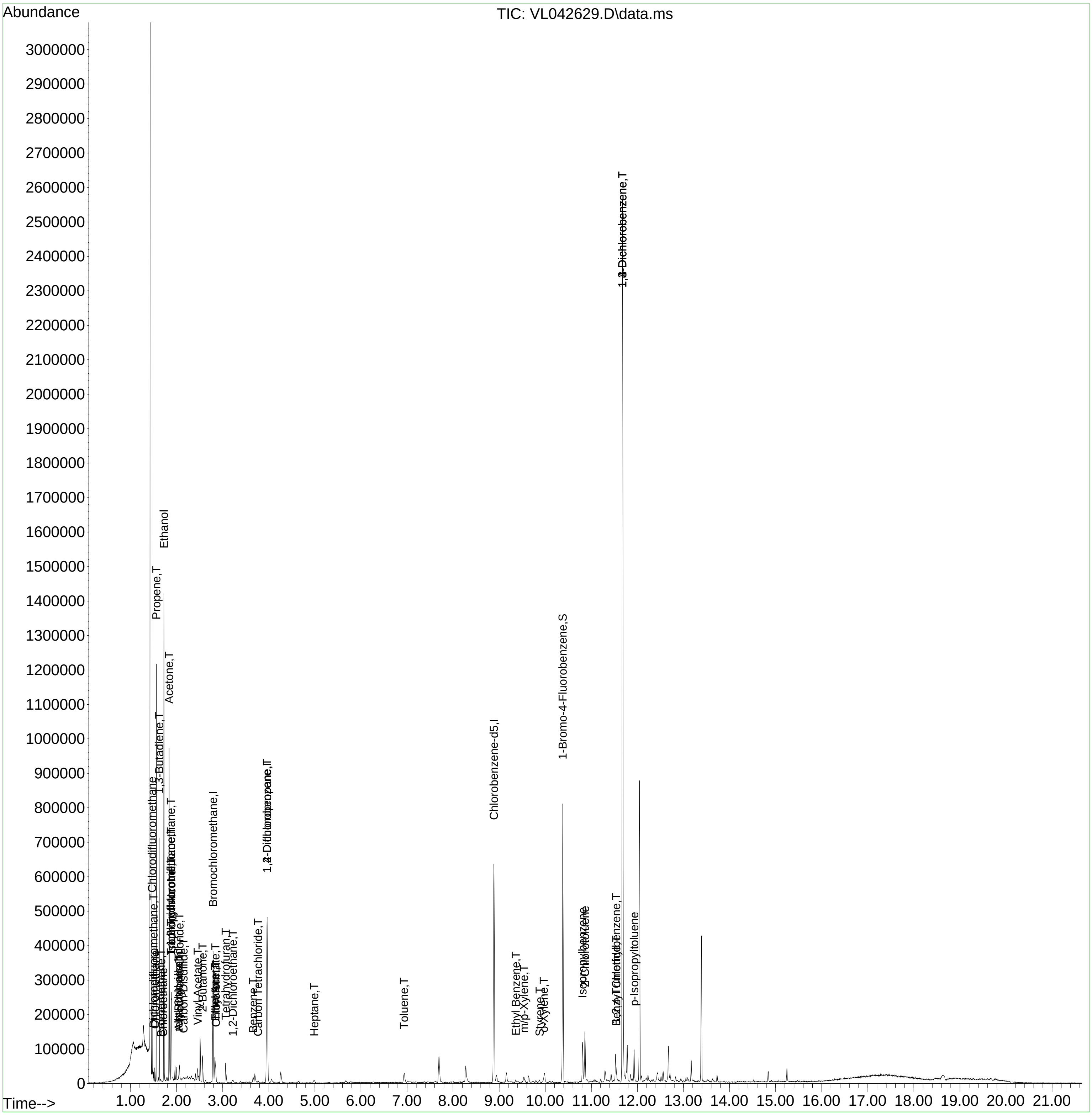
(#) = qualifier out of range (m) = manual integration (+) = signals summed

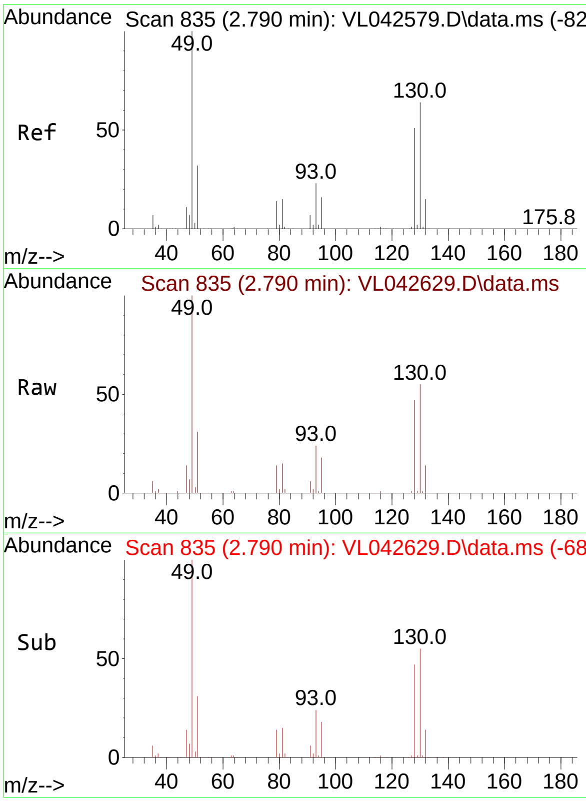
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042629.D
Acq On : 16 Jun 2025 15:12
Operator : SY/MD
Sample : Q2317-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Quant Time: Jun 17 03:06:24 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



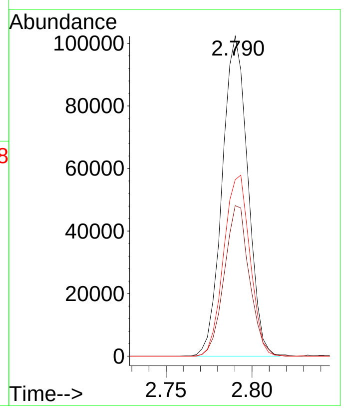


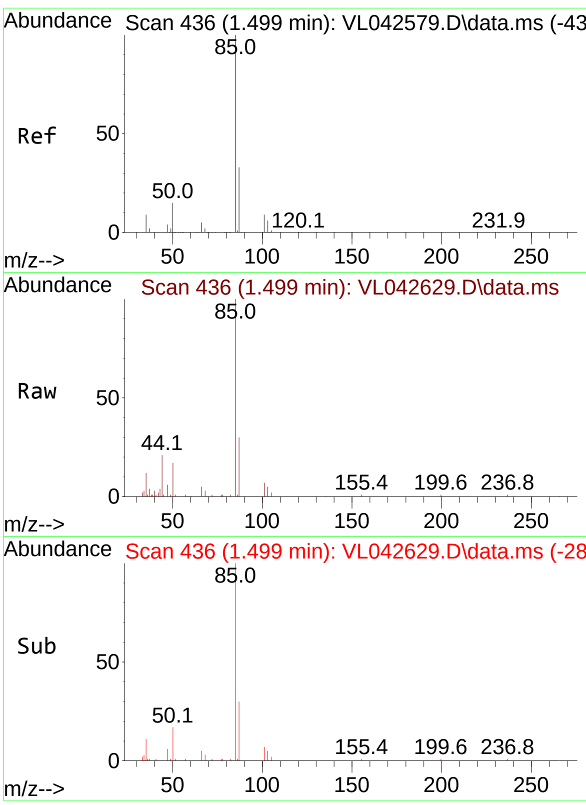
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 49 Resp: 106087

Ion	Ratio	Lower	Upper
49	100		
128	46.2	24.2	72.6
130	57.9	30.4	91.2

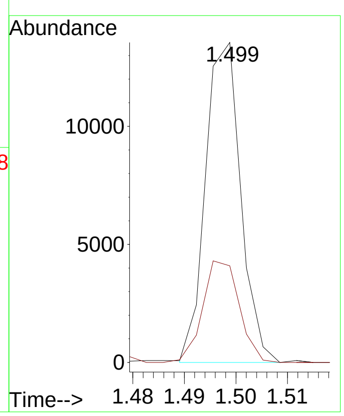


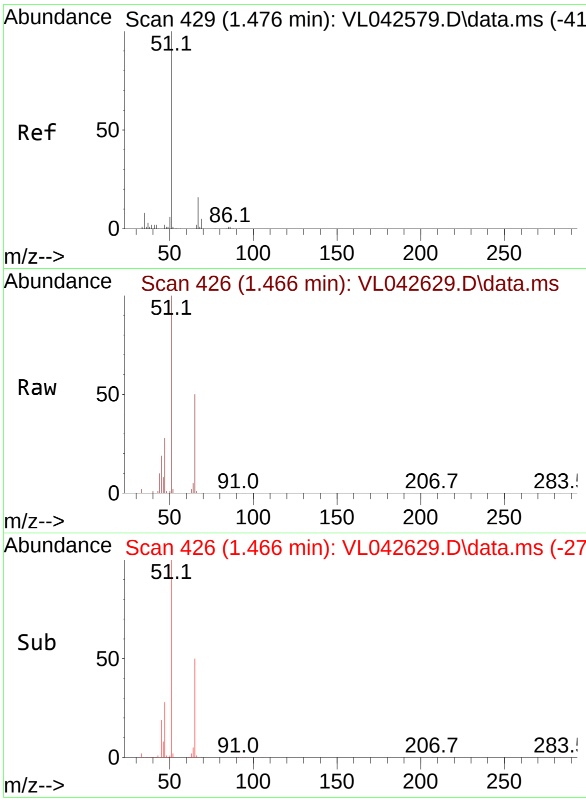


#2
Dichlorodifluoromethane
Concen: 0.495 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 85 Resp: 6451

Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.6	39.8



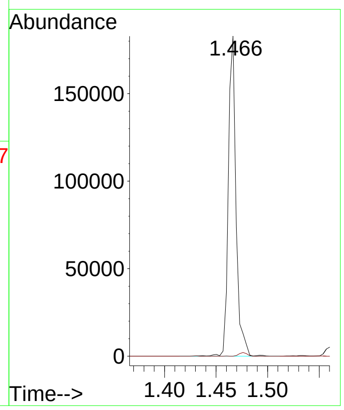


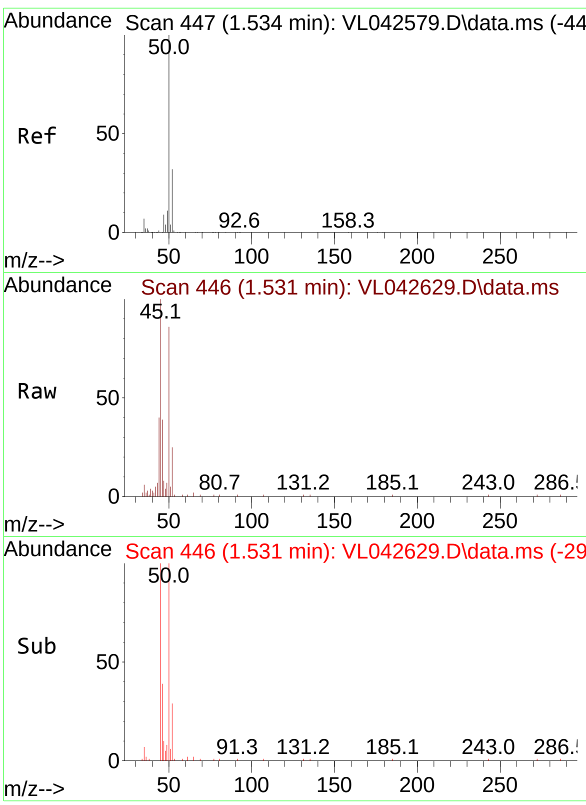
#3
Chlorodifluoromethane
Concen: 5.316 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 51 Resp: 95463

Ion	Ratio	Lower	Upper
51	100		
67	1.2	13.4	20.2#

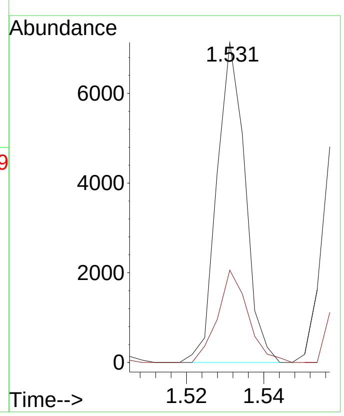


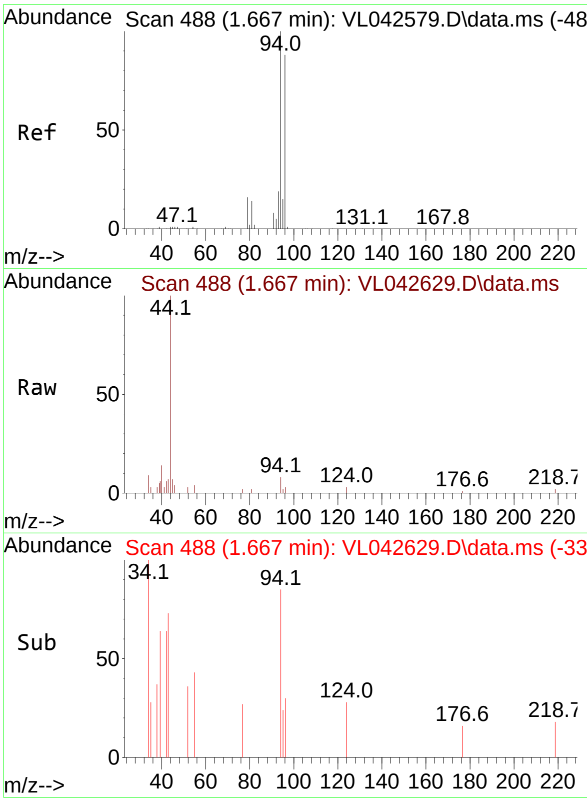


#4
Chloromethane
Concen: 0.703 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 50 Resp: 3632

Ion	Ratio	Lower	Upper
50	100		
52	28.8	25.8	38.6





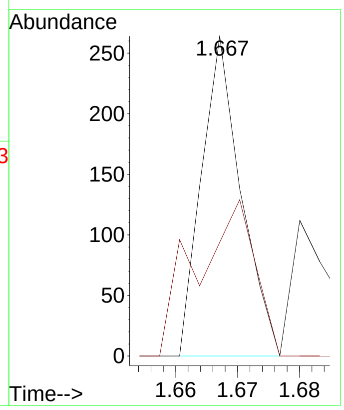
#6
Bromomethane
Concen: 0.046 ppbv
RT: 1.667 min Scan# 4

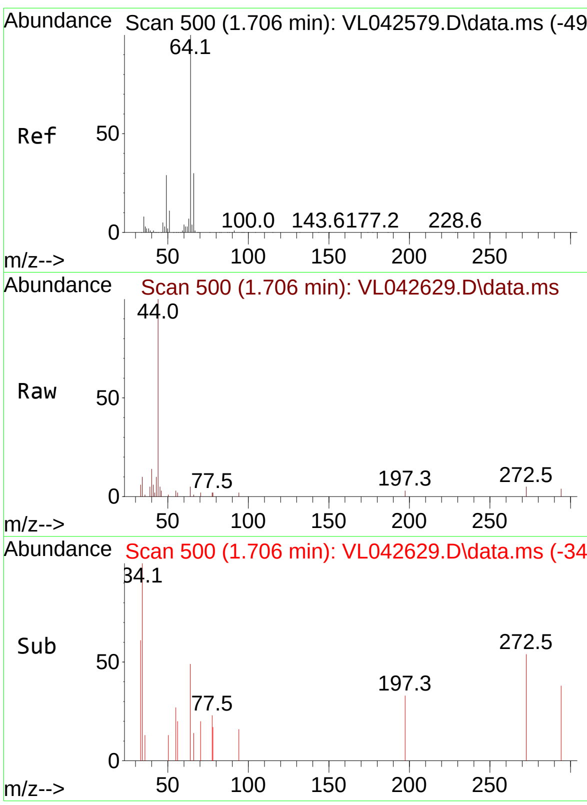
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 94 Resp: 117

Ion	Ratio	Lower	Upper
94	100		
96	35.6	70.7	106.1#

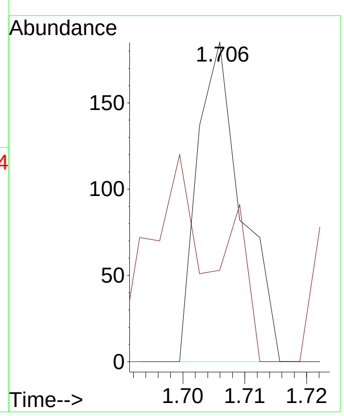


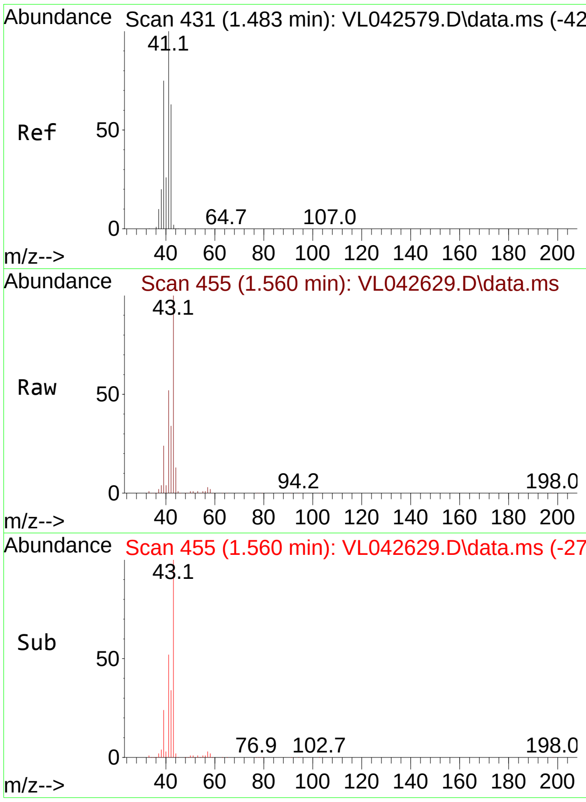


#7
Chloroethane
Concen: 0.045 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 64 Resp: 92

Ion	Ratio	Lower	Upper
64	100		
66	28.6	24.3	36.5



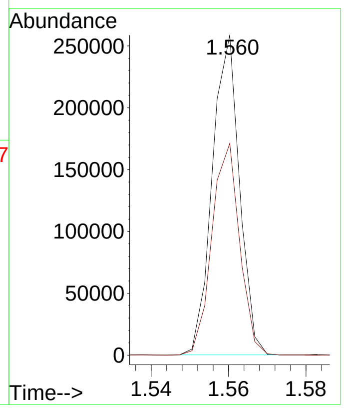


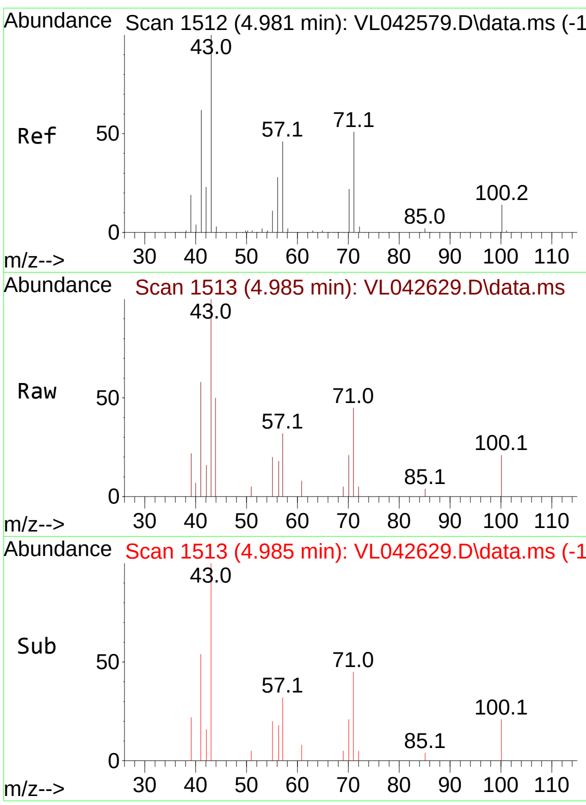
#9
Propene
Concen: 17.439 ppbv
RT: 1.560 min Scan# 4
Delta R.T. 0.078 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 41 Resp: 126112

Ion	Ratio	Lower	Upper
41	100		
42	68.0	53.3	79.9

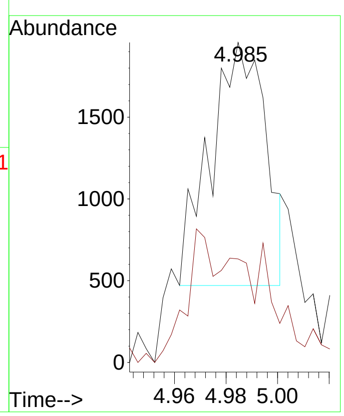


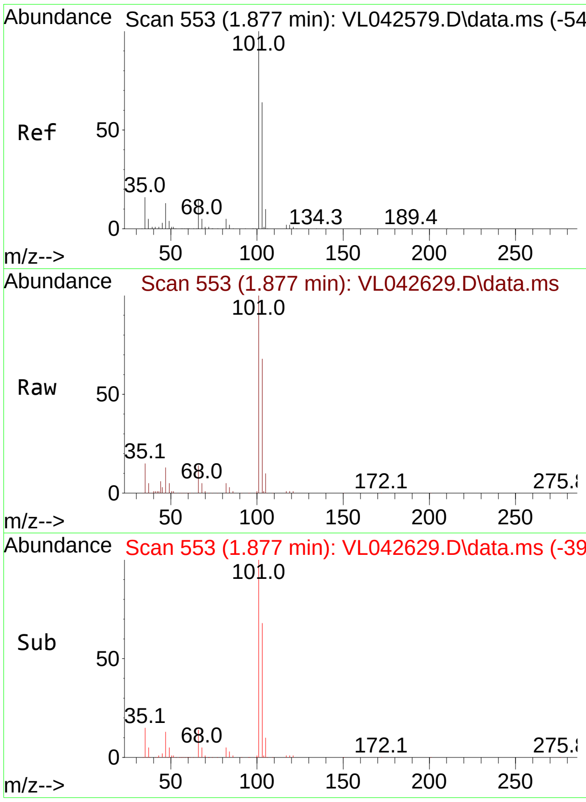


#10
Heptane
Concen: 0.109 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 2218

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.9	58.3#





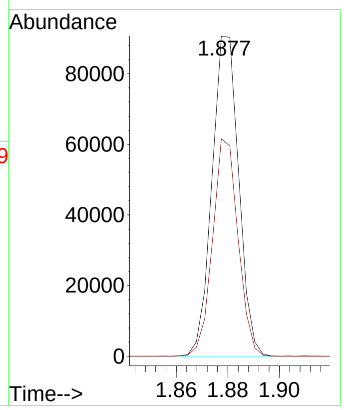
#11
Trichlorofluoromethane
Concen: 5.376 ppbv
RT: 1.877 min Scan# 5

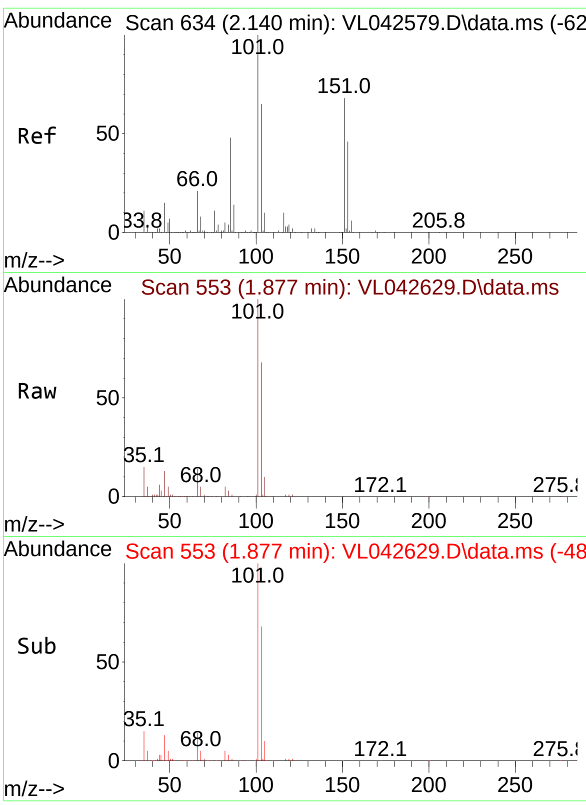
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:101 Resp: 65222

Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.5	77.3

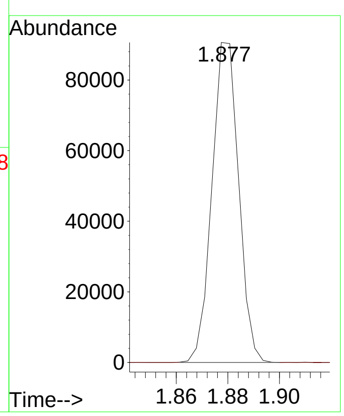


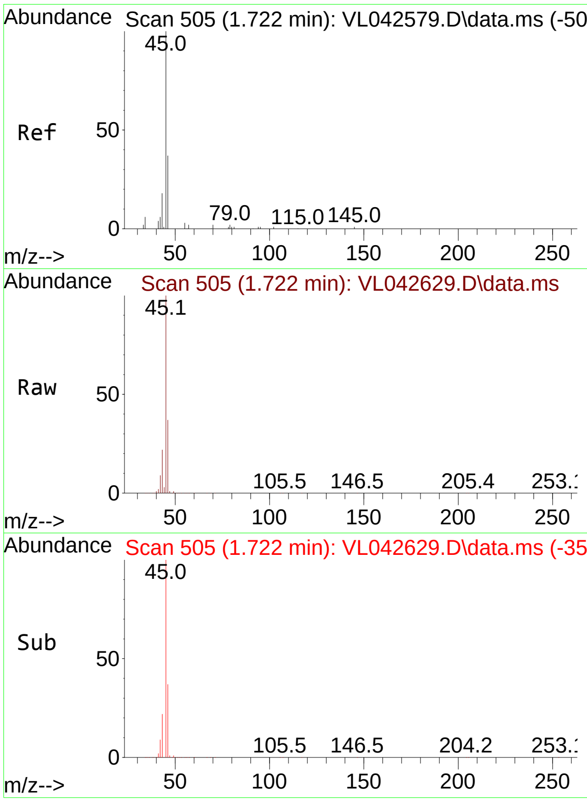


#12
1,1,2-Trichlorotrifluoroethane
Concen: 6.847 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.262 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:101 Resp: 65222

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.3	82.9#



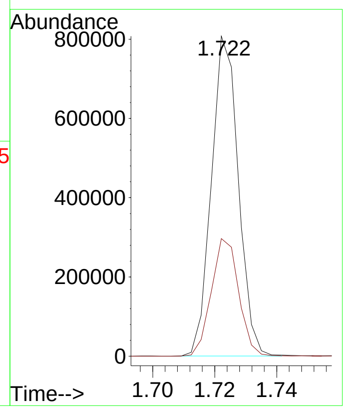


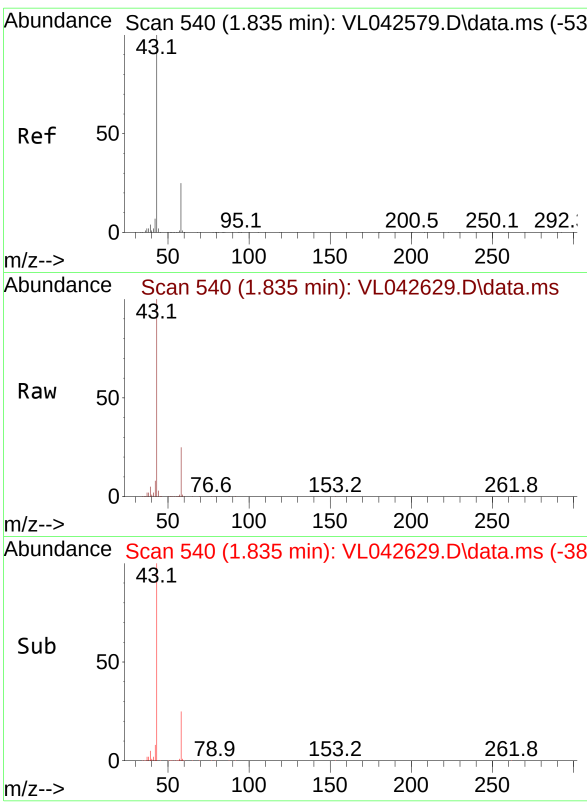
#13
Ethanol
Concen: 564.798 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 45 Resp: 486754

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.5	58.1

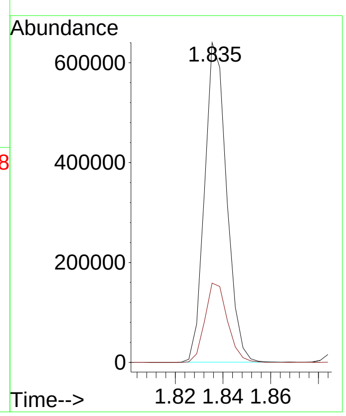


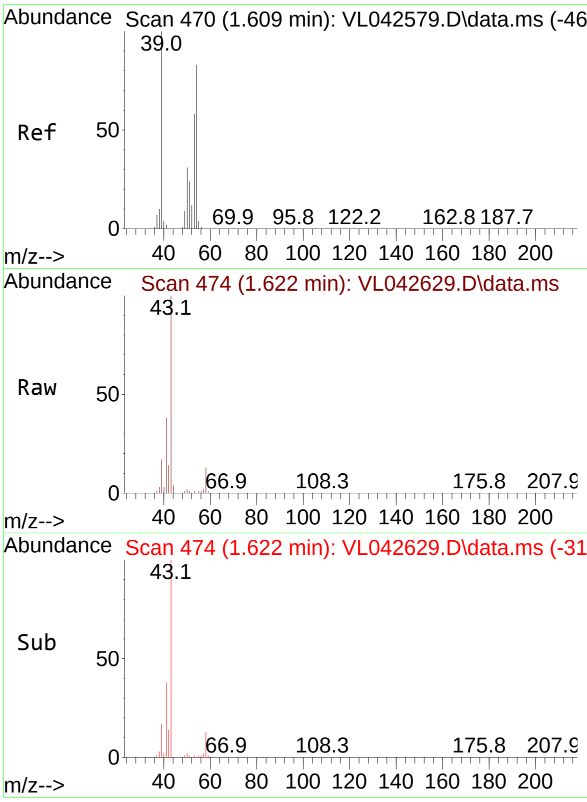


#15
Acetone
Concen: 32.160 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 410961

Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.0	31.4



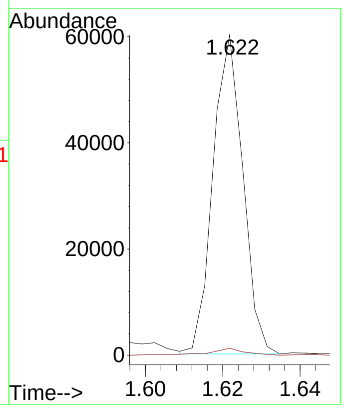


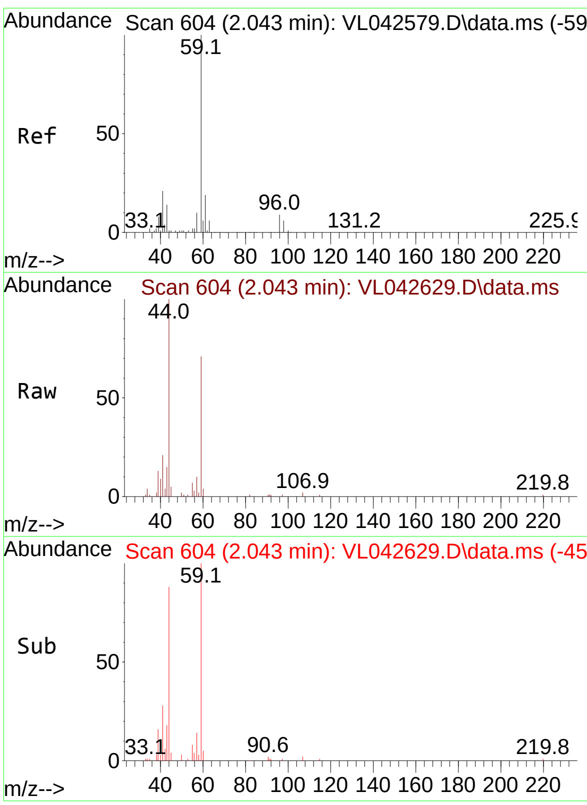
#16
1,3-Butadiene
Concen: 5.327 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 39 Resp: 32247

Ion	Ratio	Lower	Upper
39	100		
54	3.0	57.9	86.9#

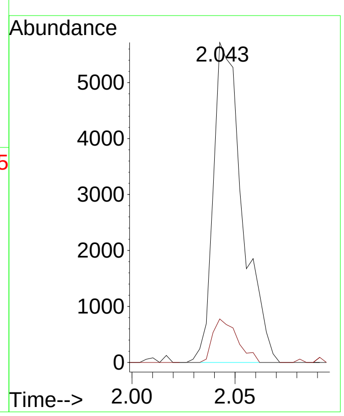


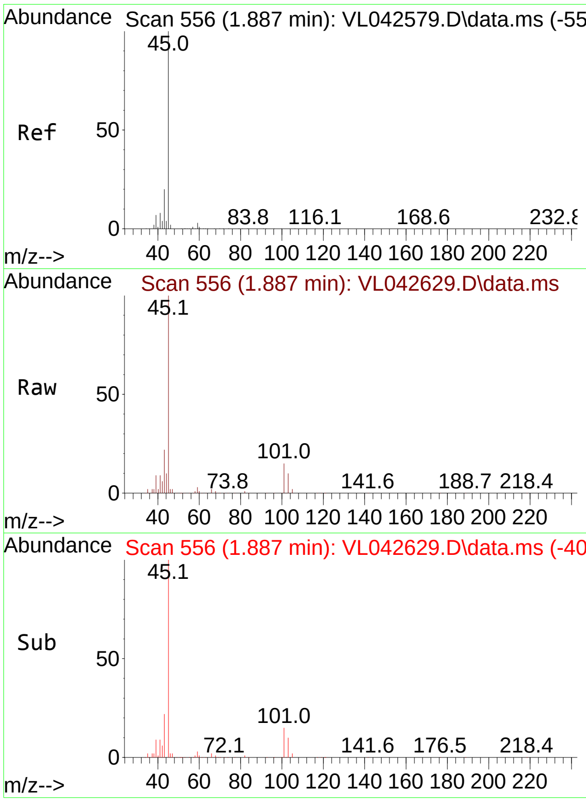


#17
tert-Butyl alcohol
Concen: 0.423 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 59 Resp: 5634

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.6	12.8



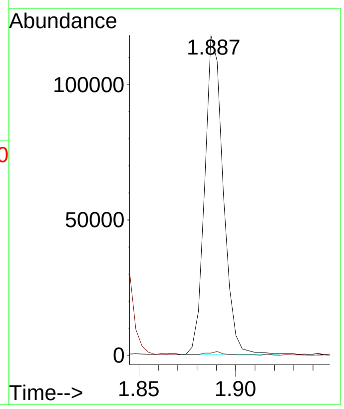


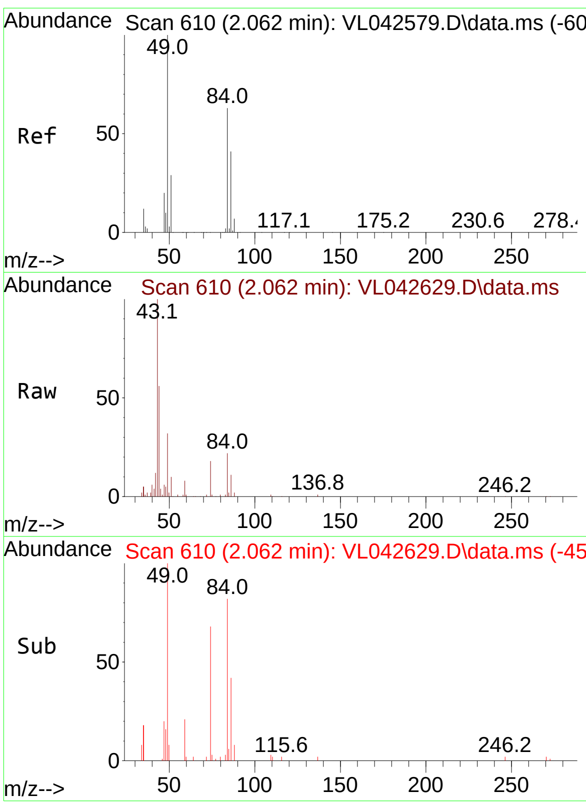
#19
Isopropyl Alcohol
Concen: 10.291 ppbv
RT: 1.887 min   Scan# 5
Delta R.T.   0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 45 Resp: 78614

Ion	Ratio	Lower	Upper
45	100		
58	133.9	29.4	44.2#

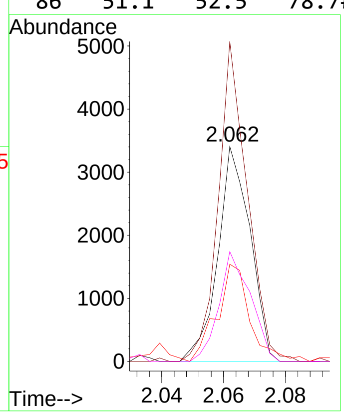


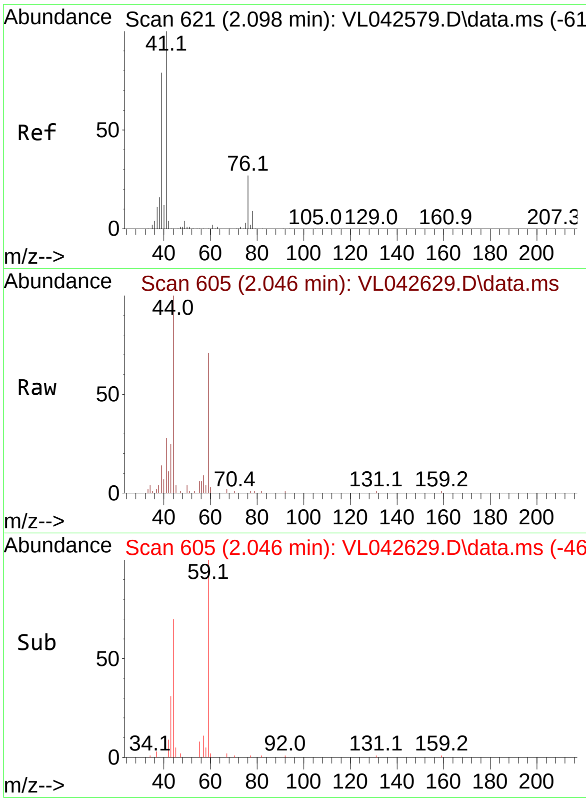


#20
Methylene Chloride
Concen: 0.586 ppbv
RT: 2.062 min   Scan# 610
Delta R.T.   -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Tgt Ion: 84 Resp: 2472

Ion	Ratio	Lower	Upper
84	100		
49	158.4	128.8	193.2
51	43.6	38.6	57.8
86	51.1	52.5	78.7#



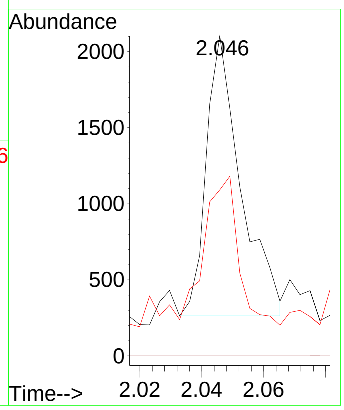


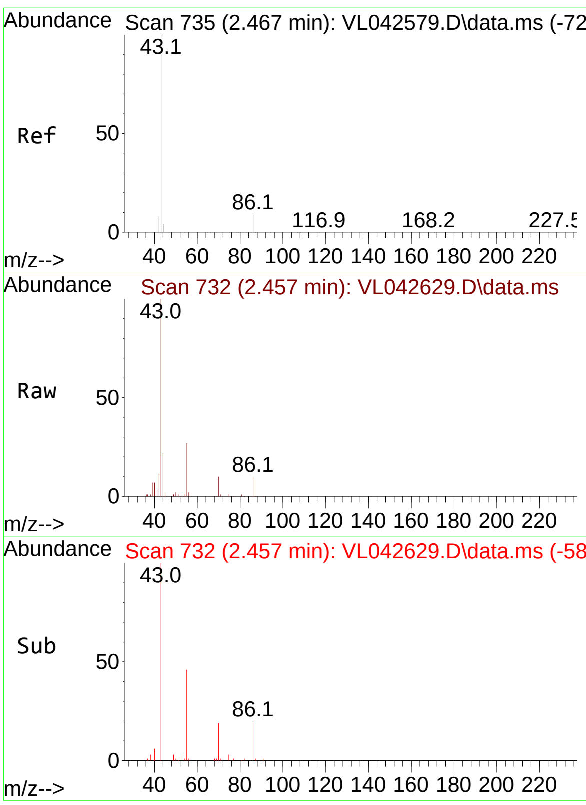
#21
Allyl Chloride
Concen: 0.158 ppbv
RT: 2.046 min Scan# 6
Delta R.T. -0.052 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 41 Resp: 1426

Ion	Ratio	Lower	Upper
41	100		
76	28.9	21.2	31.8
39	0.0	60.9	91.3#

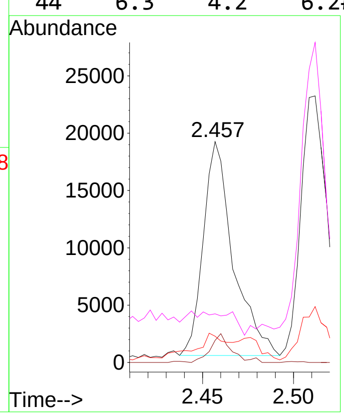


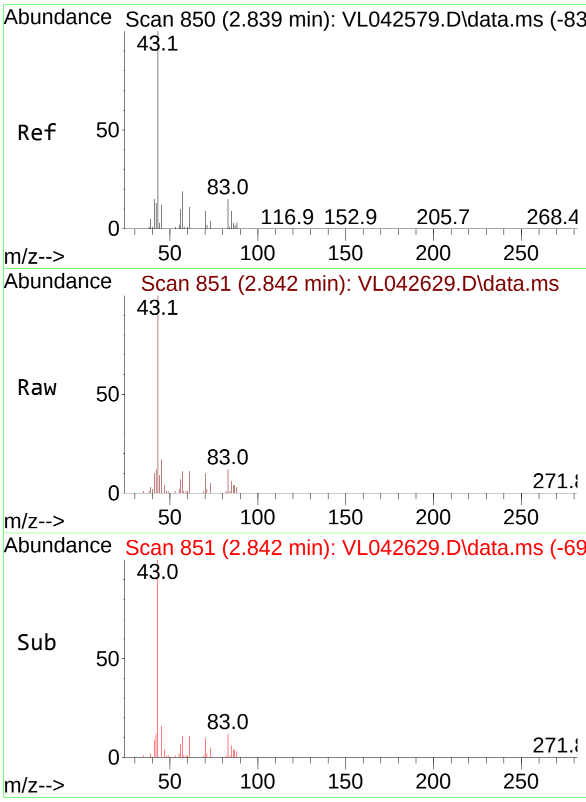


#23
Vinyl Acetate
Concen: 1.242 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.010 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 21446

Ion	Ratio	Lower	Upper
43	100		
86	10.3	6.6	9.8#
42	11.1	7.0	10.4#
44	6.3	4.2	6.2#



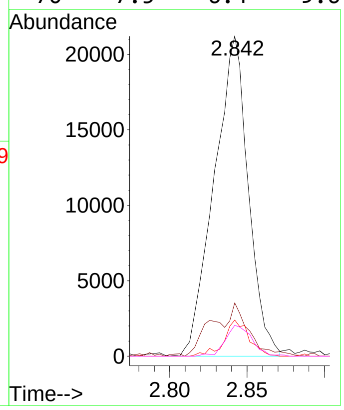


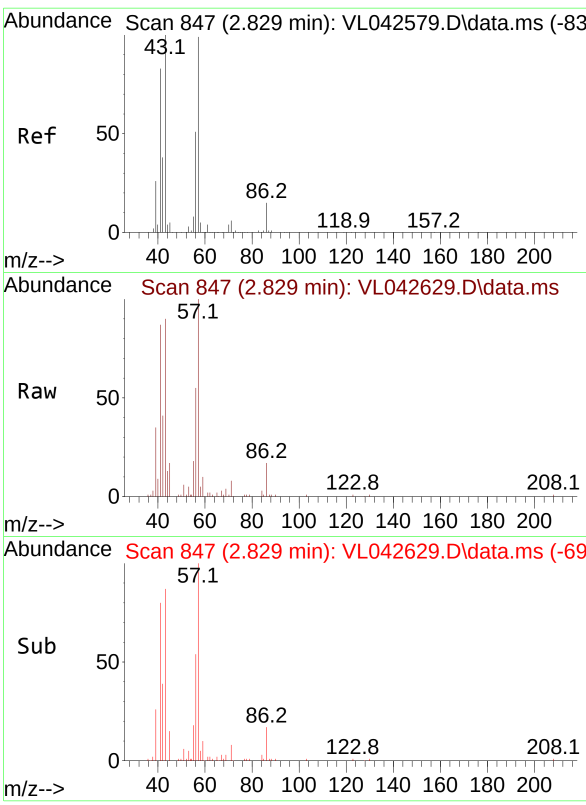
#25
Ethyl Acetate
Concen: 0.930 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 43 Resp: 32533

Ion	Ratio	Lower	Upper
43	100		
45	18.4	8.2	12.2#
61	8.4	7.1	10.7
70	7.5	6.4	9.6

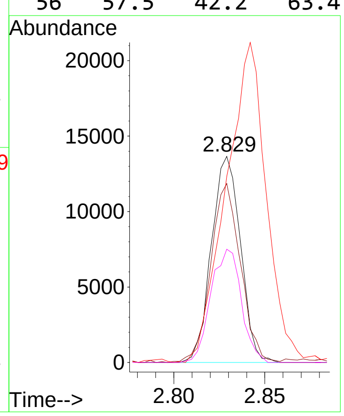


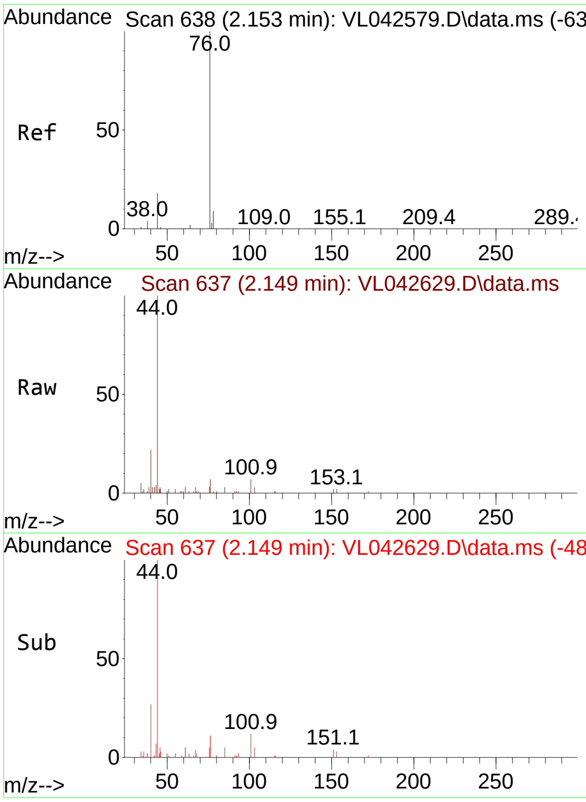


#26
Hexane
Concen: 0.955 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 57 Resp: 15180

Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.6	106.0
43	218.4	181.1	271.7
56	57.5	42.2	63.4



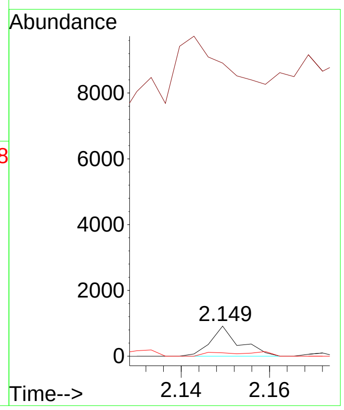


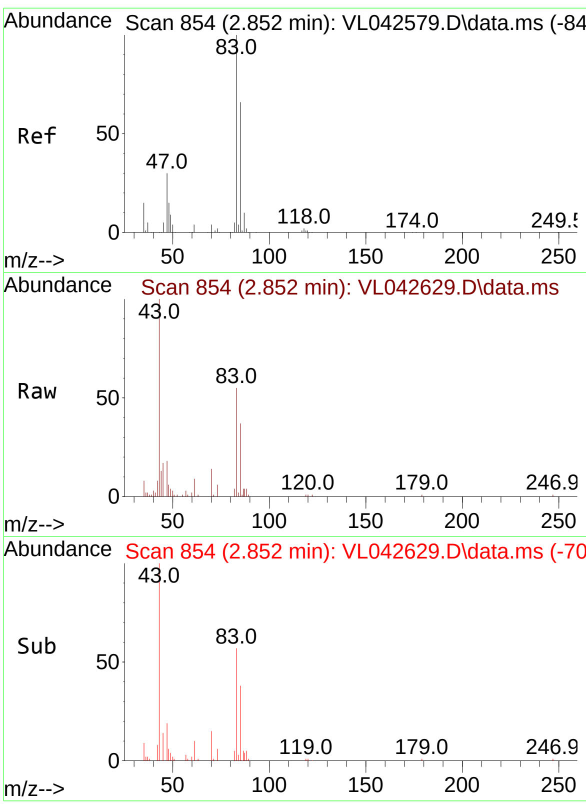
#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 2.149 min   Scan# 6
Delta R.T.   -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 76 Resp: 416

Ion	Ratio	Lower	Upper
76	100		
44	2522.1	21.3	31.9#
78	21.6	9.4	14.0#

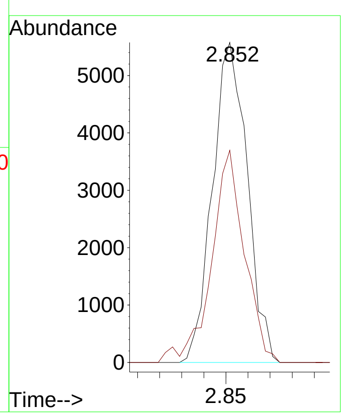


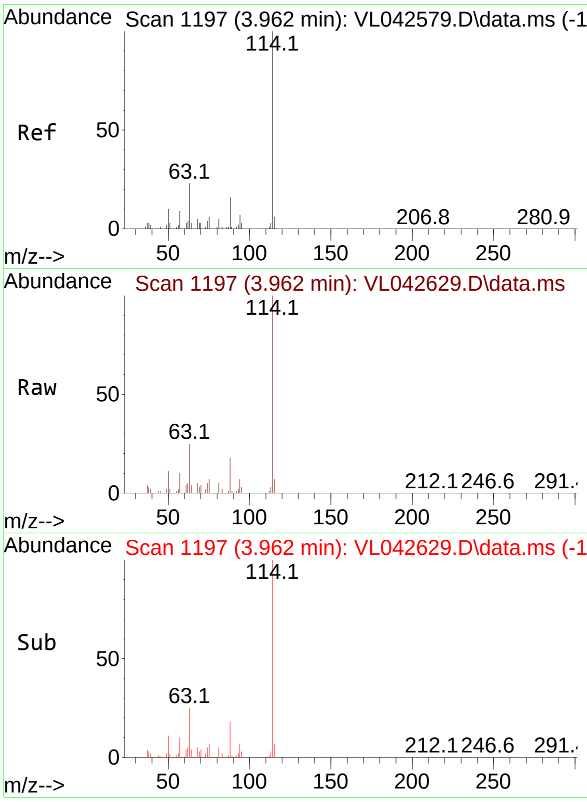


#29
Chloroform
Concen: 0.295 ppbv
RT: 2.852 min   Scan# 854
Delta R.T.   -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Tgt Ion: 83 Resp: 6100

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2



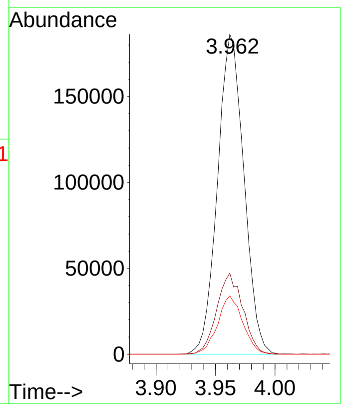


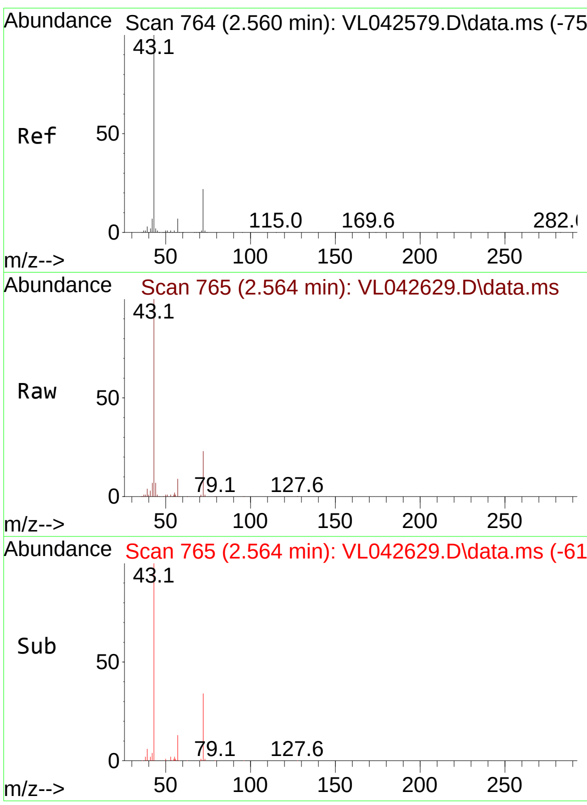
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion:114 Resp: 286951

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.0	28.6
88	17.4	13.6	20.4

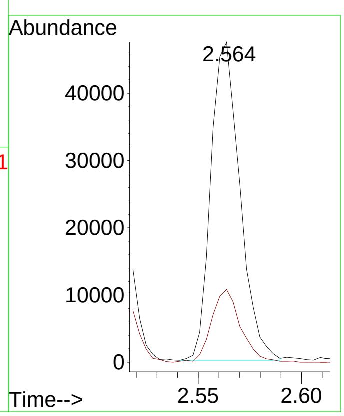




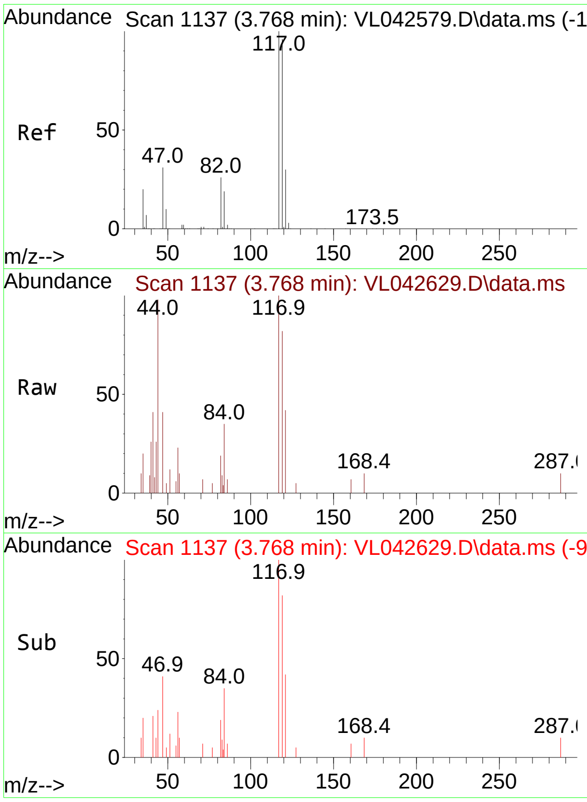
#34
2-Butanone
Concen: 2.267 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 43 Resp: 46400

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5



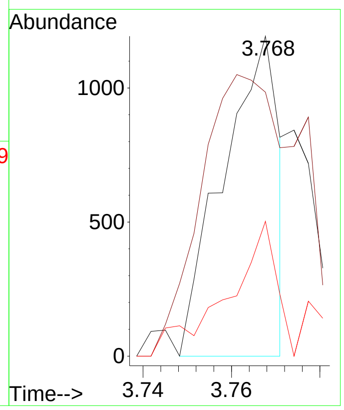
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

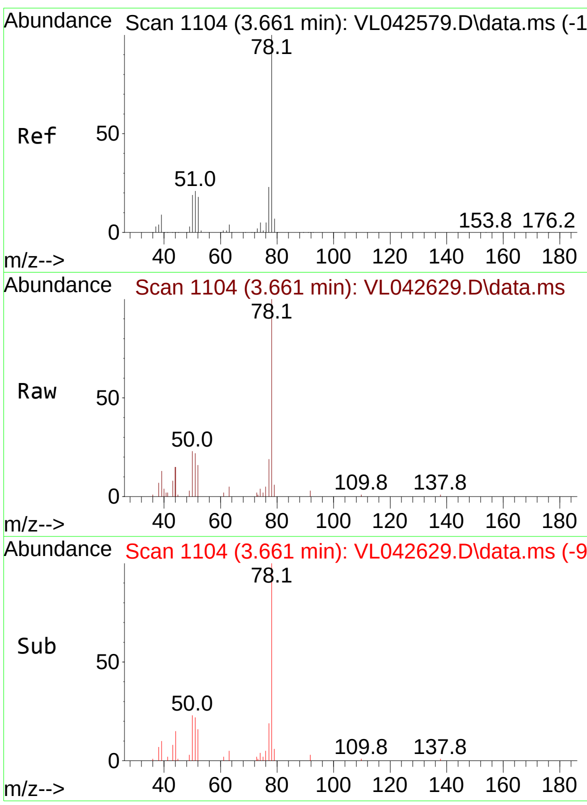


#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 3.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:117 Resp: 1051

Ion	Ratio	Lower	Upper
117	100		
119	59.8	76.8	115.2#
121	32.7	24.3	36.5

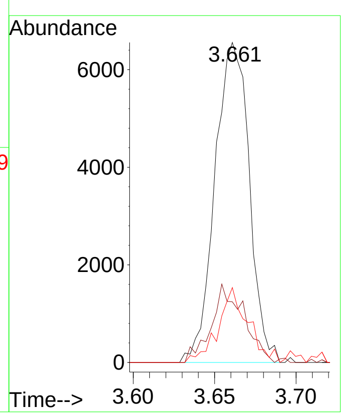


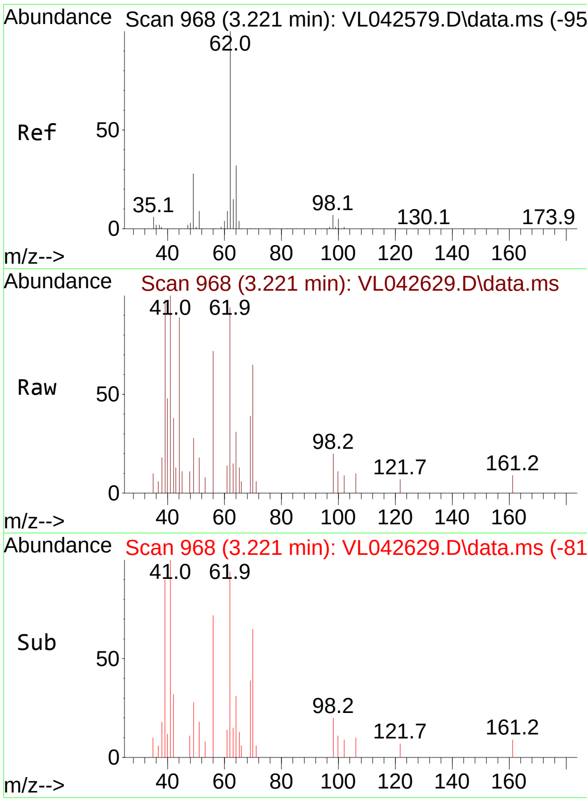


#36
Benzene
Concen: 0.341 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 78 Resp: 9624

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.2	27.2
50	23.4	15.2	22.8#



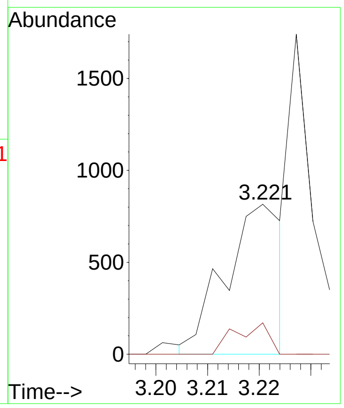


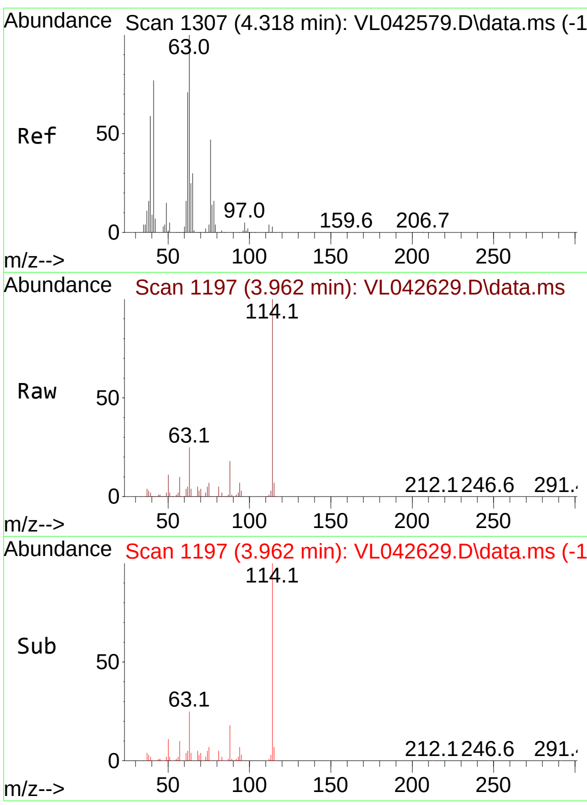
#37
1,2-Dichloroethane
Concen: 0.044 ppbv
RT: 3.221 min   Scan# 9(
Delta R.T.   -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 62 Resp: 624

Ion	Ratio	Lower	Upper
62	100		
98	12.5	6.1	9.1#

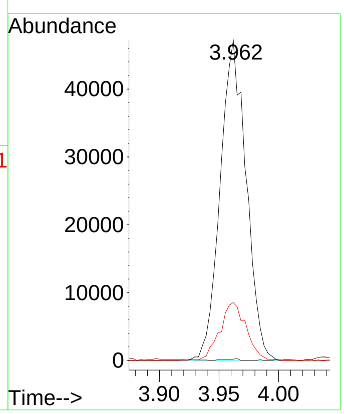


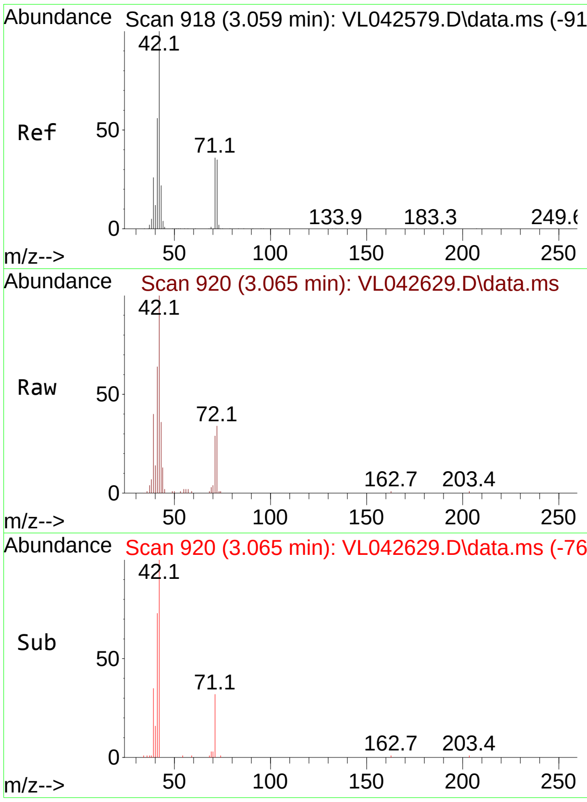


#39
1,2-Dichloropropane
Concen: 6.855 ppbv
RT: 3.962 min   Scan# 1197
Delta R.T.   -0.356 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Tgt Ion: 63 Resp: 71630

Ion	Ratio	Lower	Upper
63	100		
41	0.4	61.8	92.6#
62	18.1	56.6	85.0#



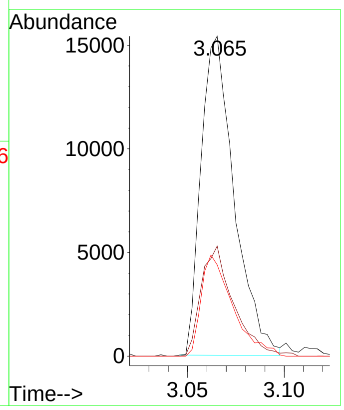


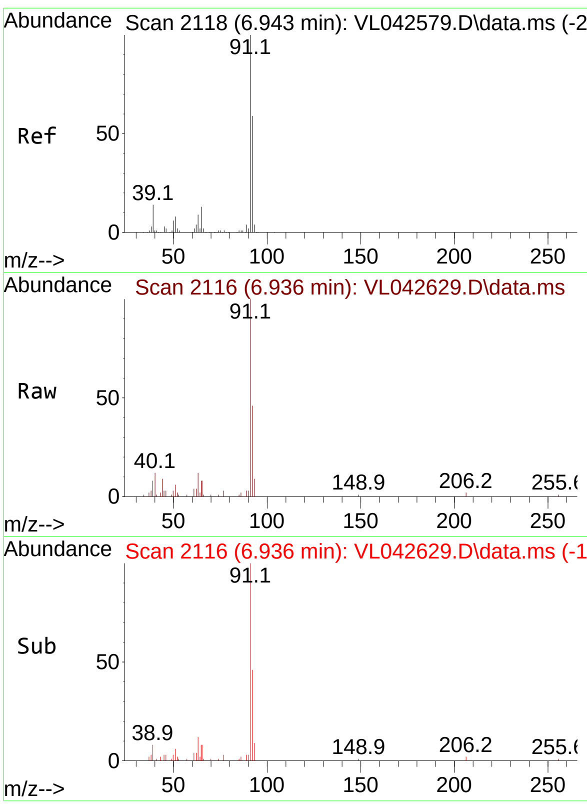
#41
Tetrahydrofuran
Concen: 1.540 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 42 Resp: 18450

Ion	Ratio	Lower	Upper
42	100		
72	33.8	28.9	43.3
71	30.2	28.5	42.7

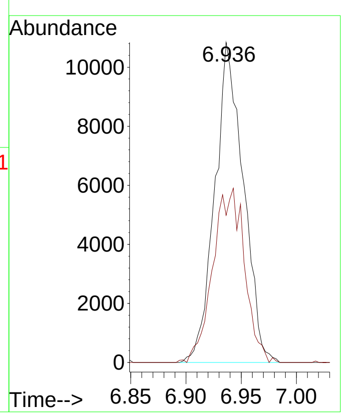


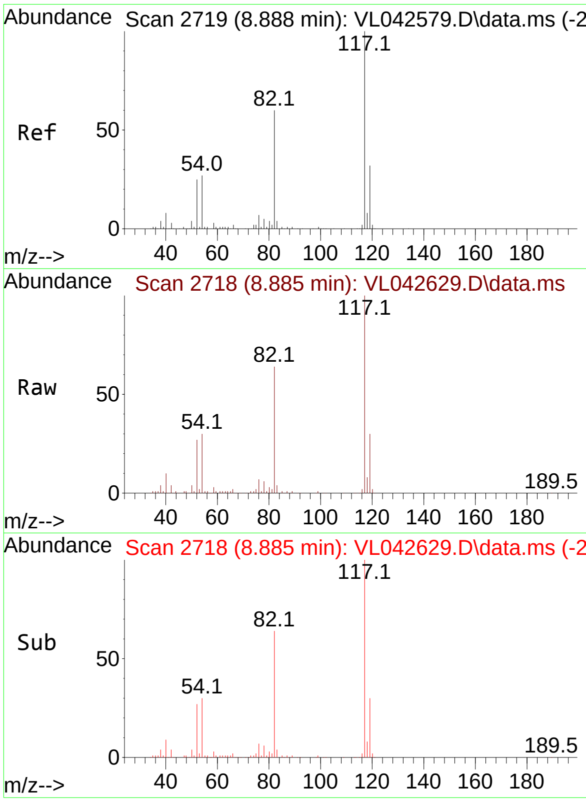


#53
Toluene
Concen: 0.597 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 19503

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4



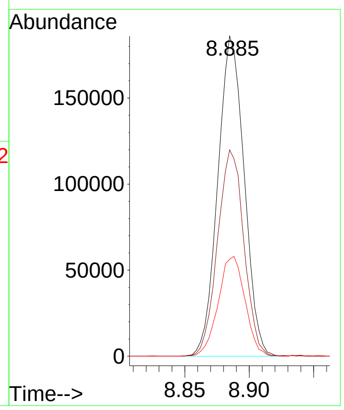


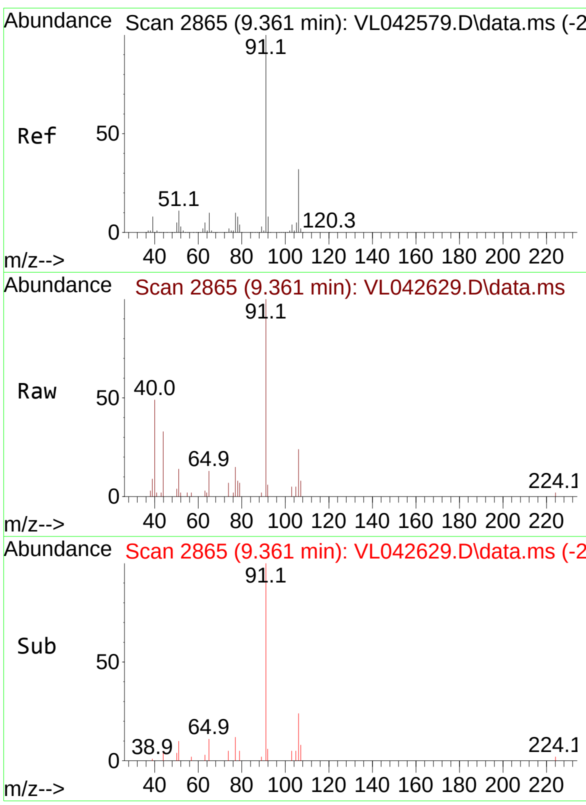
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion:117 Resp: 264656

Ion	Ratio	Lower	Upper
117	100		
82	64.6	51.2	76.8
119	31.8	26.3	39.5

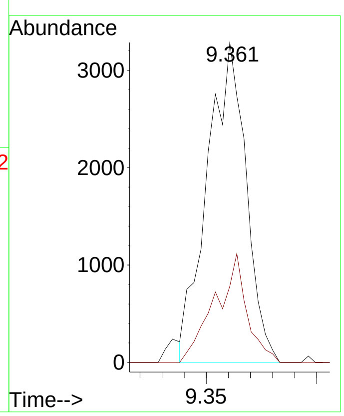


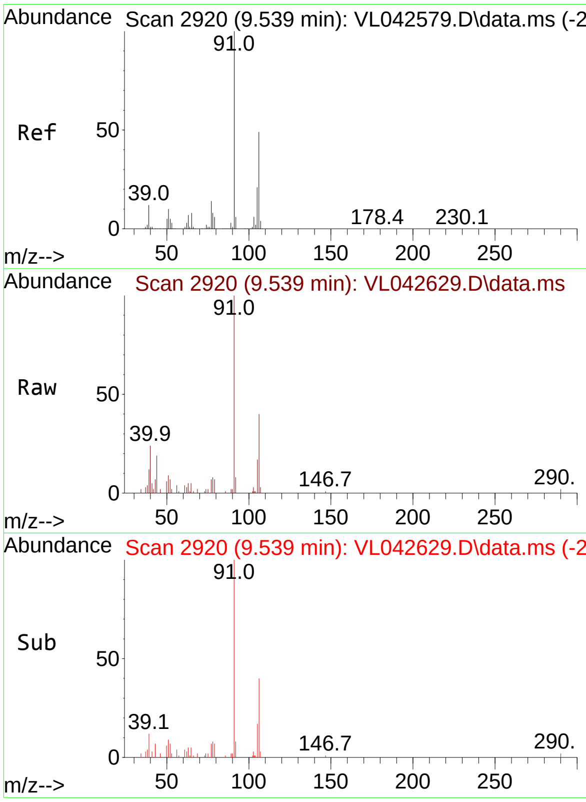


#58
Ethyl Benzene
Concen: 0.089 ppbv
RT: 9.361 min   Scan# 2865
Delta R.T.   0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025   15:12

Tgt Ion: 91 Resp: 4016

Ion	Ratio	Lower	Upper
91	100		
106	23.8	25.9	38.9#



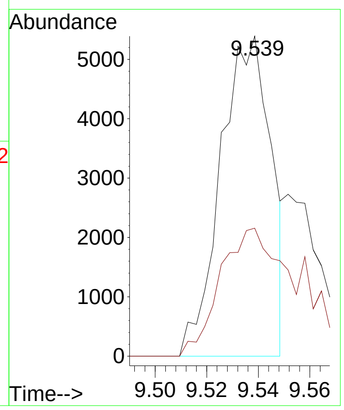


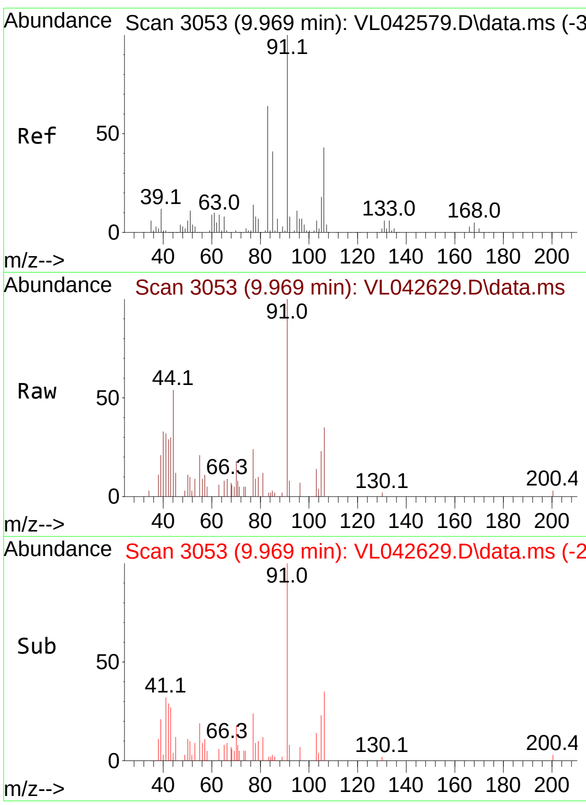
#59
m/p-Xylene
Concen: 0.207 ppbv
RT: 9.539 min Scan# 29
Delta R.T.   -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 91 Resp: 7325

Ion	Ratio	Lower	Upper
91	100		
106	62.4	38.8	58.2#

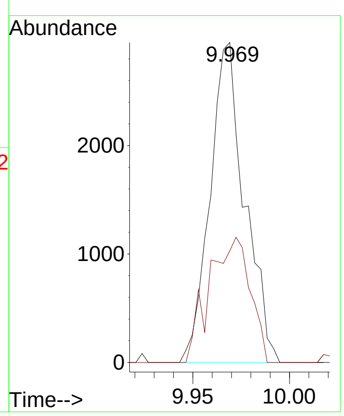


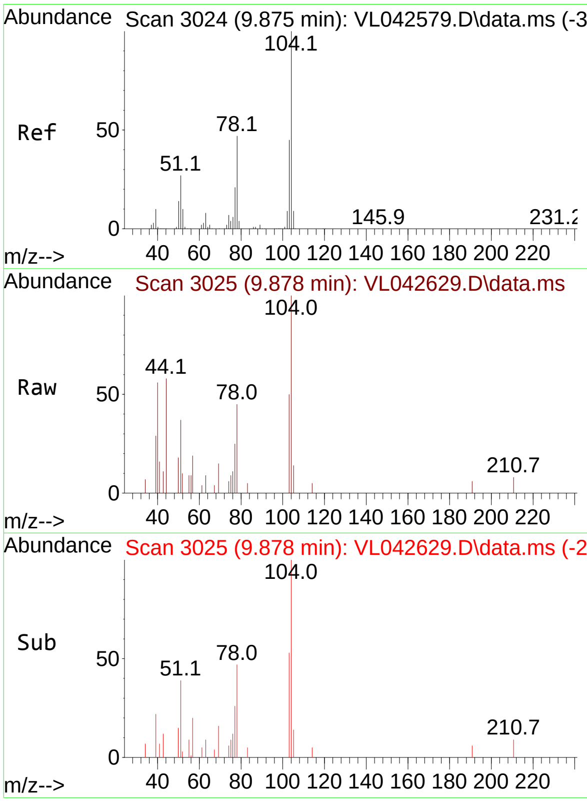


#60
o-Xylene
Concen: 0.105 ppbv
RT: 9.969 min Scan# 3053
Delta R.T.   -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 3689

Ion	Ratio	Lower	Upper
91	100		
106	46.3	22.9	68.5



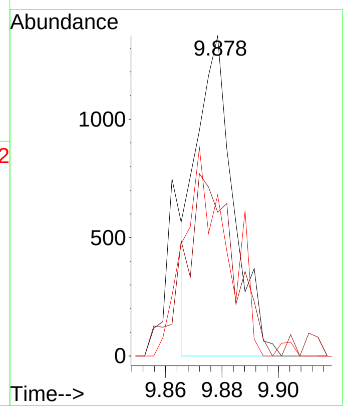


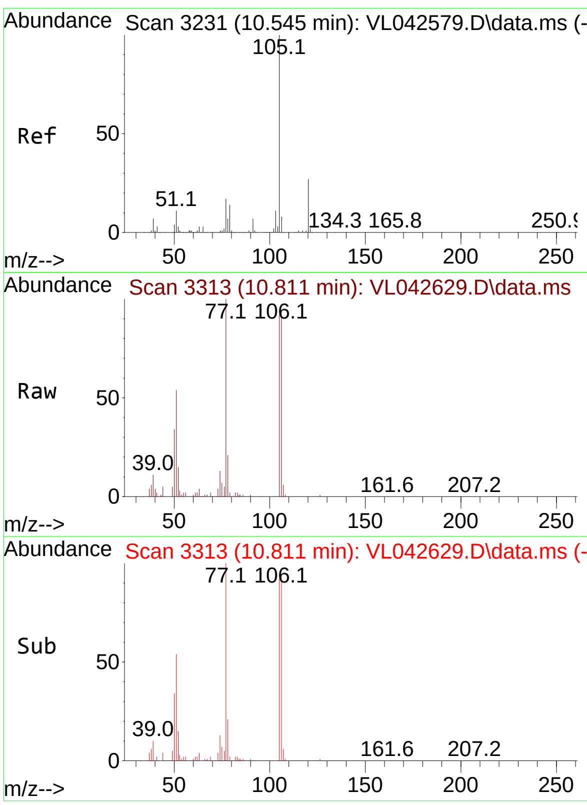
#61
Styrene
Concen: 0.075 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion:104 Resp: 1251

Ion	Ratio	Lower	Upper
104	100		
78	79.0	38.2	57.4#
103	76.3	36.7	55.1#

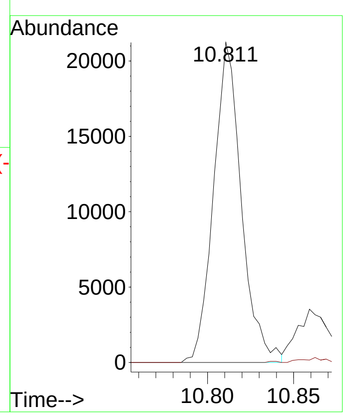


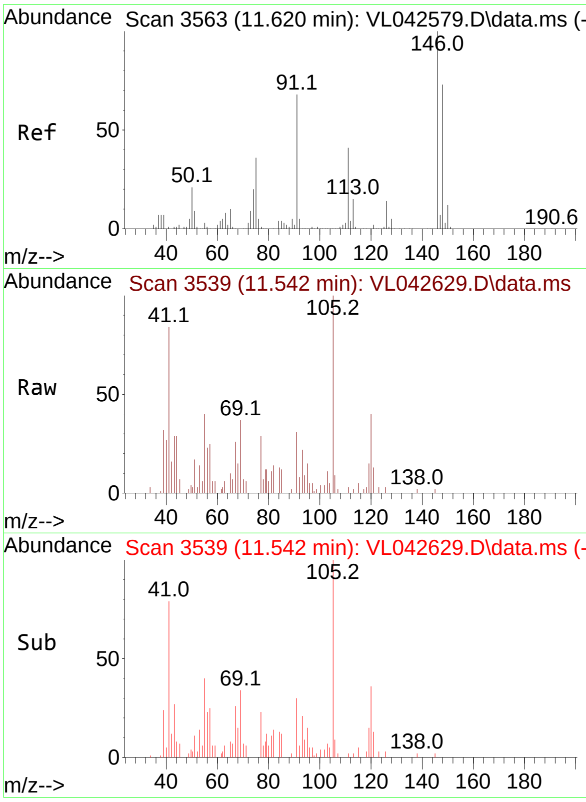


#62
Isopropylbenzene
Concen: 0.458 ppbv
RT: 10.811 min Scan# 3313
Delta R.T. 0.265 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:105 Resp: 23844

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.9	31.3#



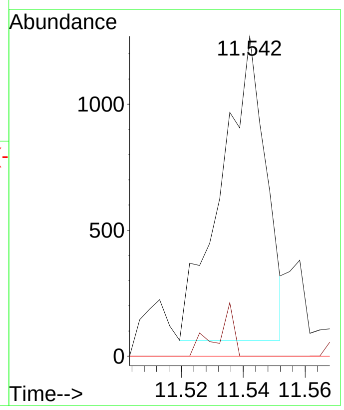


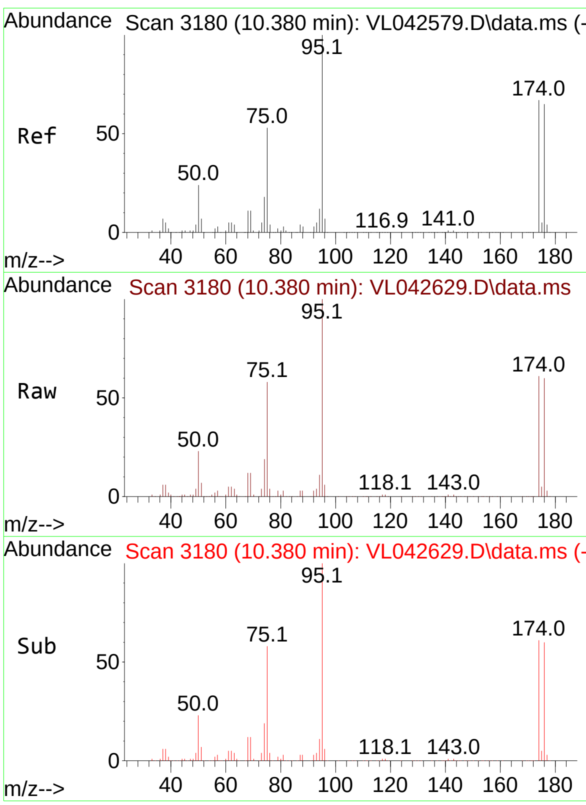
#66
Benzyl Chloride
Concen: 0.199 ppbv
RT: 11.542 min Scan# 3
Delta R.T. -0.078 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion: 91 Resp: 1208

Ion	Ratio	Lower	Upper
91	100		
126	6.6	15.1	22.7#
128	0.9	5.0	7.6#

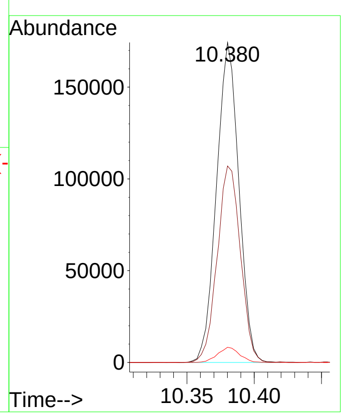


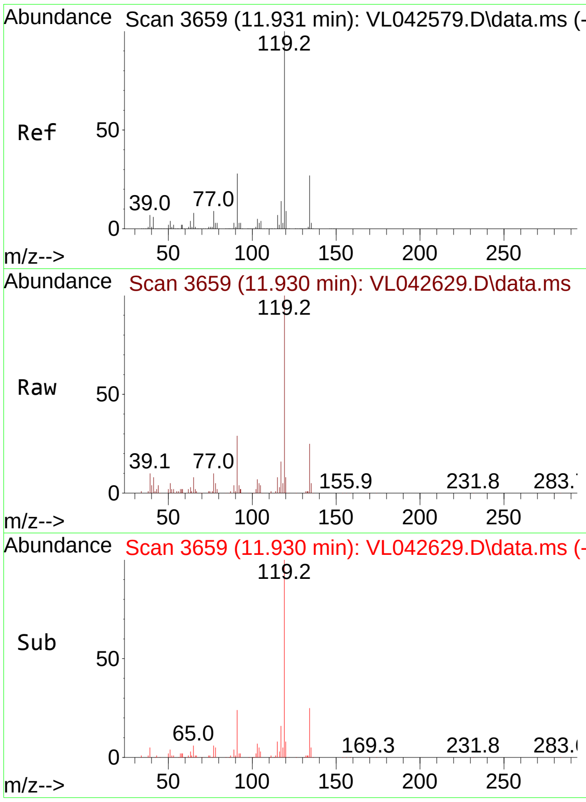


#68
1-Bromo-4-Fluorobenzene
Concen: 10.170 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 95 Resp: 201774

Ion	Ratio	Lower	Upper
95	100		
174	63.9	53.1	79.7
175	4.6	4.2	6.2



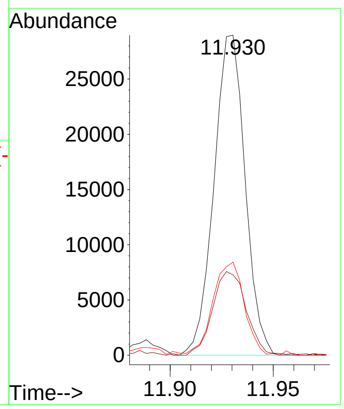


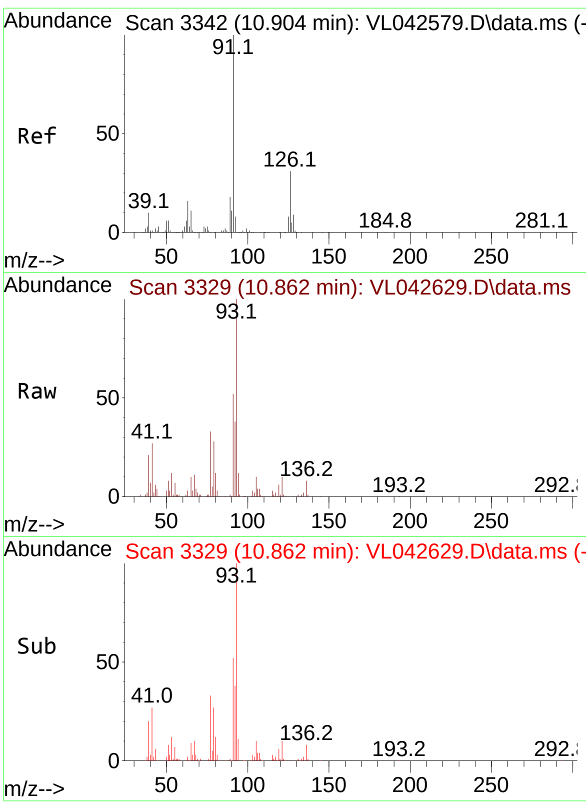
#69
p-Isopropyltoluene
Concen: 0.549 ppbv
RT: 11.930 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion:119 Resp: 30528

Ion	Ratio	Lower	Upper
119	100		
134	28.9	21.1	31.7
91	31.7	21.9	32.9

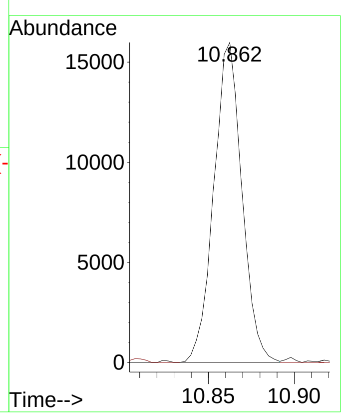


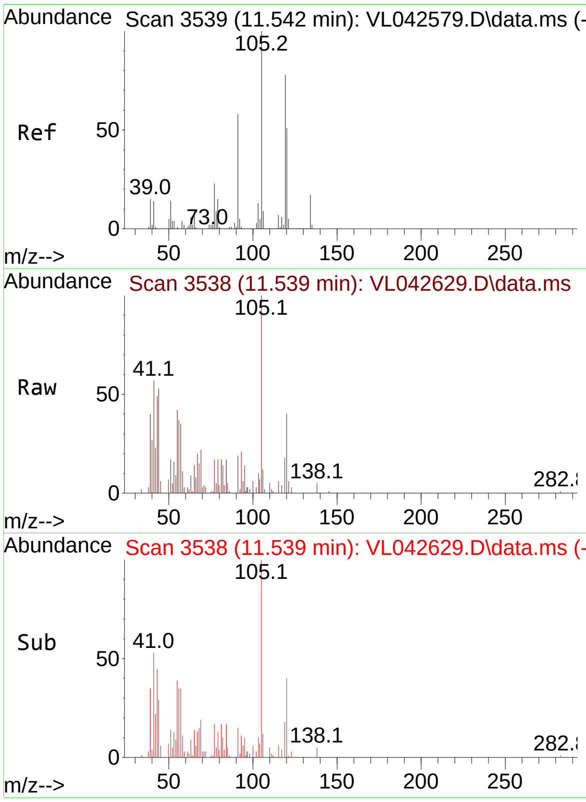


#71
2-Chlorotoluene
Concen: 0.458 ppbv
RT: 10.862 min Scan# 3329
Delta R.T. -0.042 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion: 91 Resp: 18195

Ion	Ratio	Lower	Upper
91	100		
126	1.0	12.6	50.4#



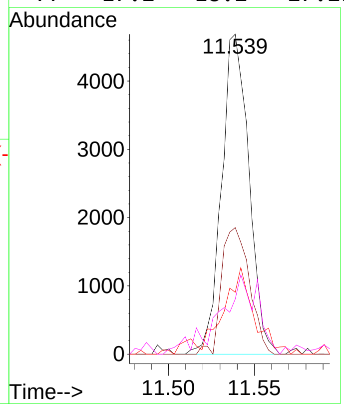


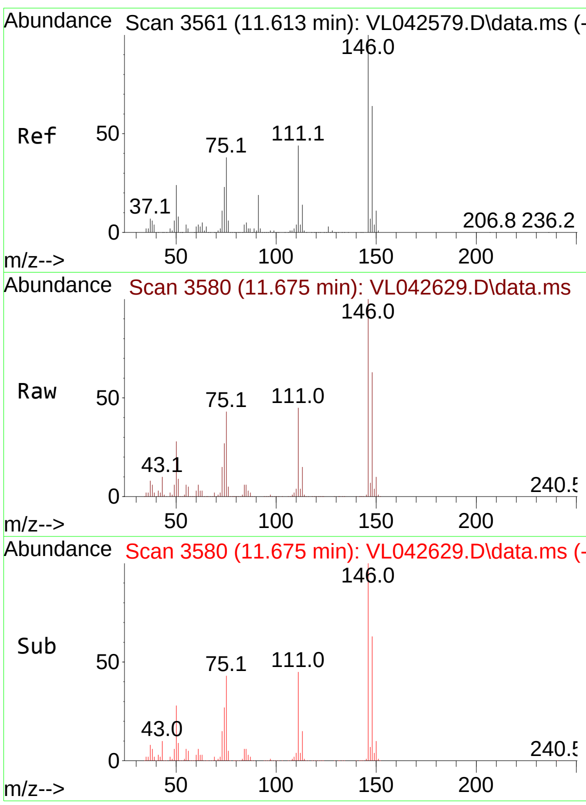
#74
1,2,4-Trimethylbenzene
Concen: 0.129 ppbv
RT: 11.539 min Scan# 3!
Delta R.T. -0.003 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Tgt Ion:105 Resp: 5204

Ion	Ratio	Lower	Upper
105	100		
120	39.5	40.8	61.2#
91	17.1	46.8	70.2#
77	17.2	18.2	27.2#

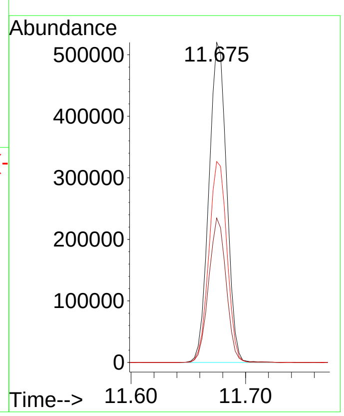


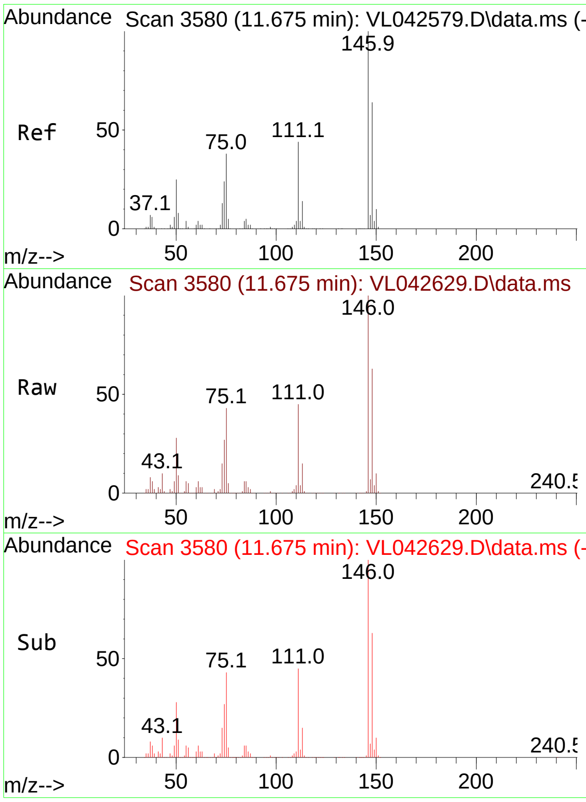


#75
1,3-Dichlorobenzene
Concen: 22.102 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.061 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:146 Resp: 559989

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.4	67.3
148	64.0	32.0	96.2





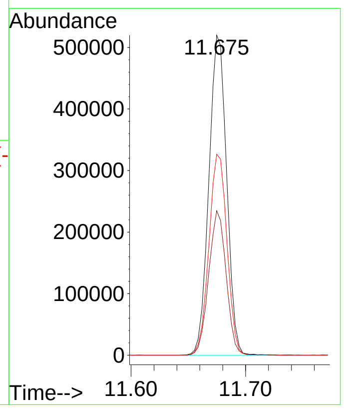
#76
1,4-Dichlorobenzene
Concen: 22.160 ppbv
RT: 11.675 min Scan# 3

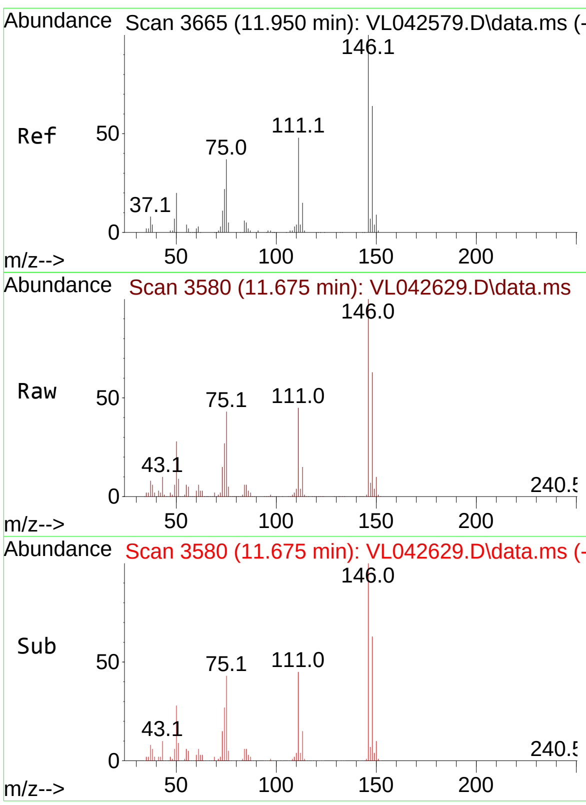
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2

Delta R.T. -0.000 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:146 Resp: 559989

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.6	64.8
148	64.0	32.1	96.5

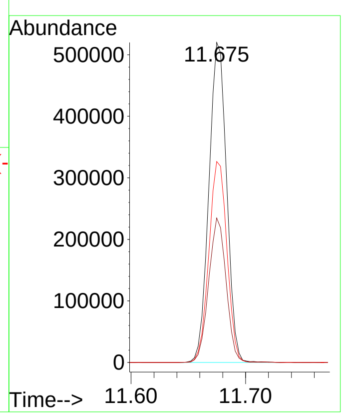




#77
1,2-Dichlorobenzene
Concen: 22.772 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.275 min
Lab File: VL042629.D
Acq: 16 Jun 2025 15:12

Tgt Ion:146 Resp: 559989

Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.1	69.3
148	64.0	32.1	96.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042630.D
Acq On : 16 Jun 2025 15:46
Operator : SY/MD
Sample : Q2317-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Quant Time: Jun 17 03:06:57 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	2.787	49	111111	10.000 ppbv		0.00
33) 1,4-Difluorobenzene	3.958	114	291956	10.000 ppbv		0.00
55) Chlorobenzene-d5	8.885	117	266931	10.000 ppbv		0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	197287	9.860 ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	98.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2128	0.156 ppbv		98
3) Chlorodifluoromethane	1.466	51	41208	2.191 ppbv	#	63
4) Chloromethane	1.531	50	8847	1.636 ppbv		98
5) Vinyl Chloride	1.580	62	484	0.088 ppbv	#	76
7) Chloroethane	1.706	64	1235	0.577 ppbv		100
8) Dichlorotetrafluoroethane	1.499	85	2128	0.187 ppbv	#	20
9) Propene	1.482	41	5787	0.764 ppbv		94
10) Heptane	4.984	43	2169	0.102 ppbv	#	38
11) Trichlorofluoromethane	1.877	101	134347	10.574 ppbv		100
12) 1,1,2-Trichlorotrifluo...	1.877	101	134347	13.465 ppbv	#	15
13) Ethanol	1.722	45	153596	170.164 ppbv		98
15) Acetone	1.835	43	73330	5.479 ppbv		98
16) 1,3-Butadiene	1.602	39	5476	0.864 ppbv	#	42
17) tert-Butyl alcohol	2.046	59	6954	0.499 ppbv		97
19) Isopropyl Alcohol	1.887	45	18985	2.373 ppbv	#	1
20) Methylene Chloride	2.062	84	8992	2.036 ppbv		89
23) Vinyl Acetate	2.453	43	8073	0.446 ppbv	#	93
25) Ethyl Acetate	2.829	43	10003	0.273 ppbv	#	86
26) Hexane	2.829	57	11551	0.694 ppbv	#	45
27) Carbon Disulfide	2.149	76	7484	0.586 ppbv	#	1
29) Chloroform	2.848	83	4149	0.192 ppbv		91
30) Cyclohexane	3.855	84	1171	0.085 ppbv	#	43
34) 2-Butanone	2.560	43	21779	1.046 ppbv		100
36) Benzene	3.657	78	63818	2.220 ppbv		96
38) Trichloroethene	4.548	130	15028	1.230 ppbv		94
39) 1,2-Dichloropropane	3.962	63	72063	6.778 ppbv	#	24
41) Tetrahydrofuran	3.065	42	6513	0.534 ppbv		99
43) Methyl Methacrylate	4.881	69	71010	6.364 ppbv		99
50) 4-Methyl-2-Pentanone	5.758	43	2138	0.074 ppbv	#	39
51) 2-Hexanone	7.448	43	10260	0.448 ppbv	#	38
52) Tetrachloroethene	8.224	164	689	0.064 ppbv	#	45
53) Toluene	6.936	91	95713	2.880 ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.943	131	9904	0.738 ppbv	#	1
59) m/p-Xylene	9.535	91	6496	0.182 ppbv		97
60) o-Xylene	9.535	91	6496	0.183 ppbv		99
61) Styrene	9.875	104	2053	0.122 ppbv		94
65) tert-Butylbenzene	11.788	119	154788	3.249 ppbv	#	26
67) sec-Butylbenzene	11.788	105	39796	0.594 ppbv	#	1
69) p-Isopropyltoluene	11.788	119	154668	2.757 ppbv	#	51
73) 1,3,5-Trimethylbenzene	11.202	105	1309	0.036 ppbv	#	73
74) 1,2,4-Trimethylbenzene	11.539	105	3643	0.090 ppbv	#	72
75) 1,3-Dichlorobenzene	11.607	146	2454	0.096 ppbv	#	68
76) 1,4-Dichlorobenzene	11.671	146	3546	0.139 ppbv		90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042630.D
Acq On : 16 Jun 2025 15:46
Operator : SY/MD
Sample : Q2317-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Quant Time: Jun 17 03:06:57 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)
77) 1,2-Dichlorobenzene	11.671	146	3546	0.143	ppbv	95
79) Naphthalene	13.513	128	2357	0.061	ppbv #	89
80) Naphthalene,2-methyl-	14.468	142	1526	0.088	ppbv #	86

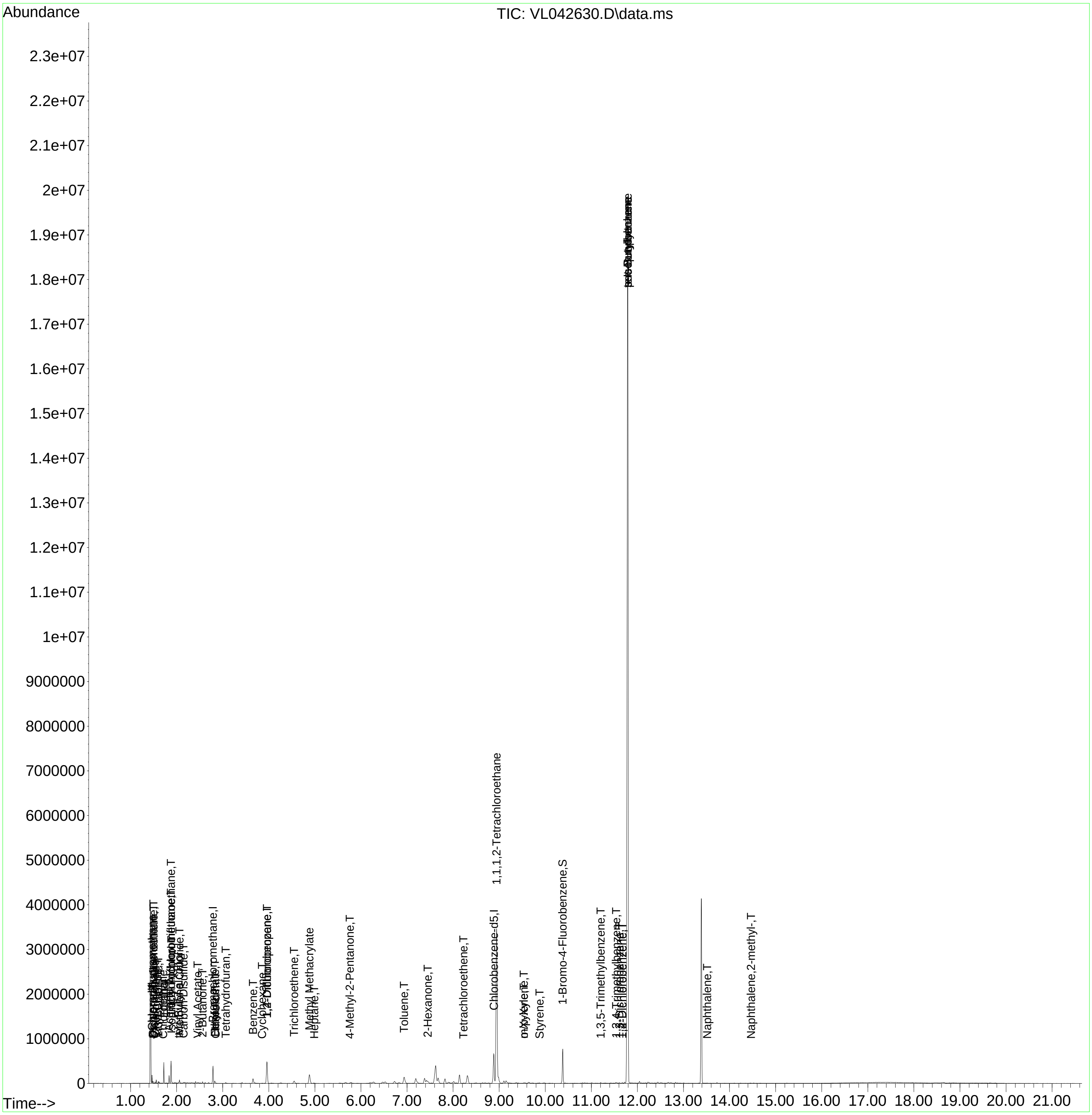
(#) = qualifier out of range (m) = manual integration (+) = signals summed

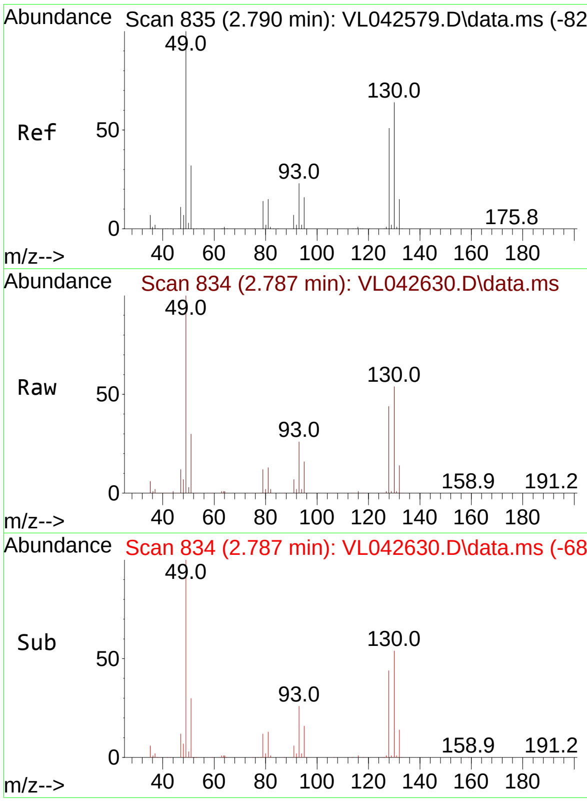
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042630.D
Acq On : 16 Jun 2025 15:46
Operator : SY/MD
Sample : Q2317-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Quant Time: Jun 17 03:06:57 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





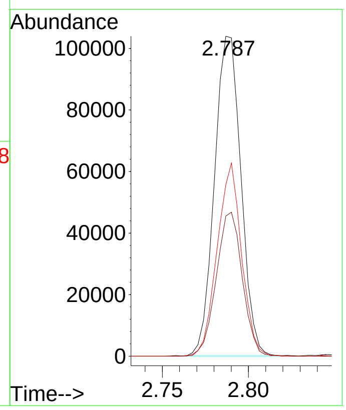
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8

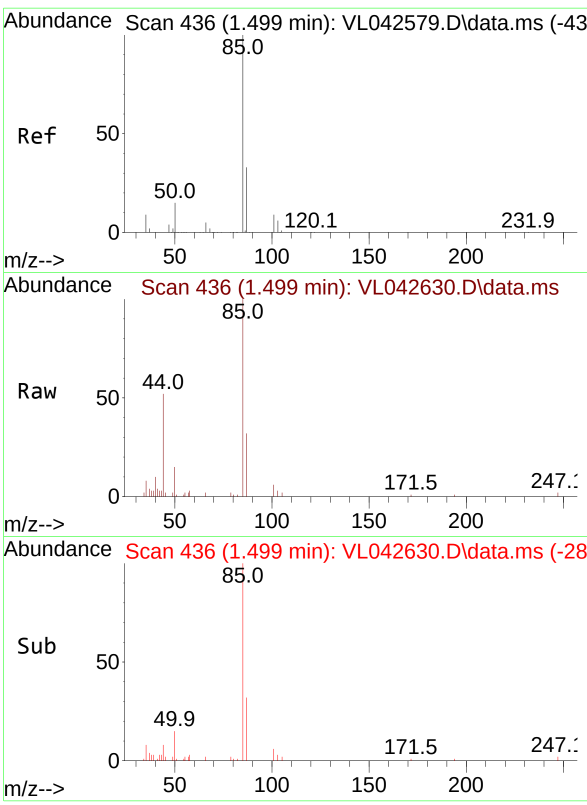
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 49 Resp: 111111

Ion	Ratio	Lower	Upper
49	100		
128	44.4	24.2	72.6
130	55.6	30.4	91.2

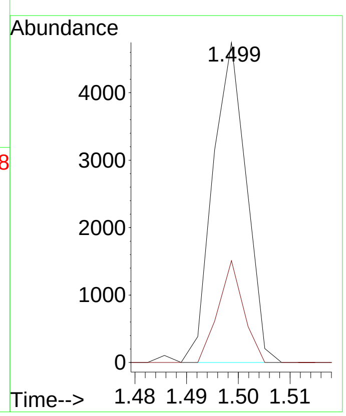


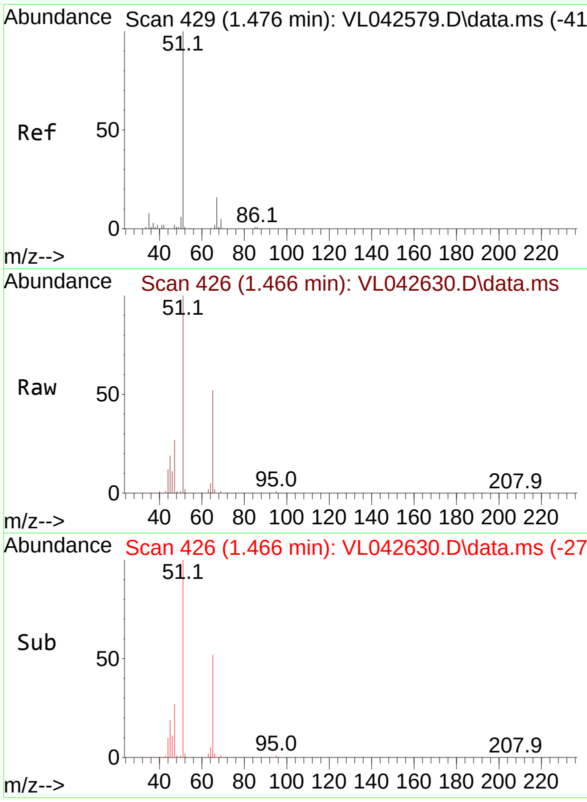


#2
Dichlorodifluoromethane
Concen: 0.156 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 85 Resp: 2128

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.6	39.8



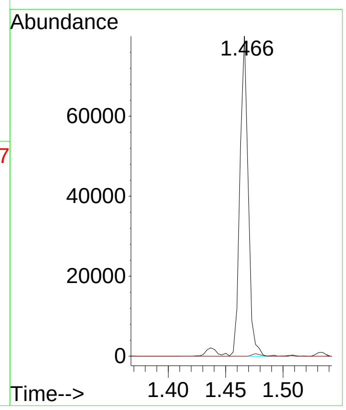


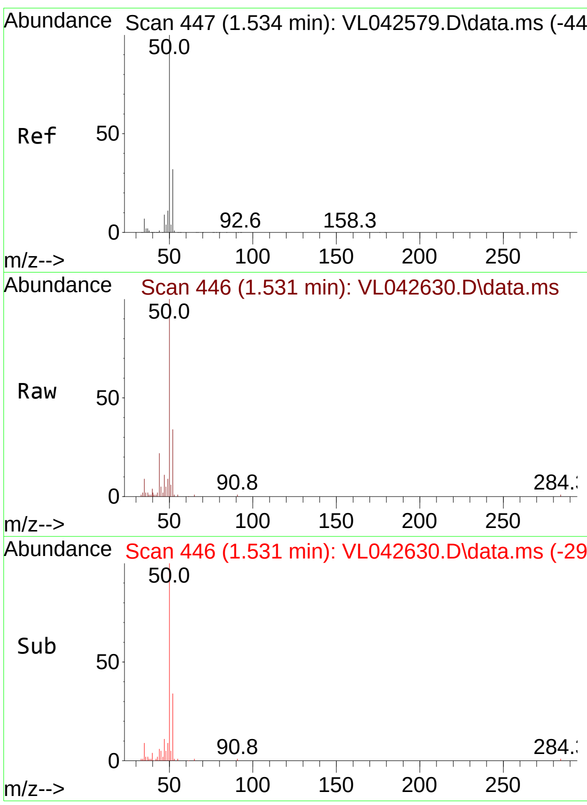
#3
Chlorodifluoromethane
Concen: 2.191 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 51 Resp: 41208

Ion	Ratio	Lower	Upper
51	100		
67	0.7	13.4	20.2#

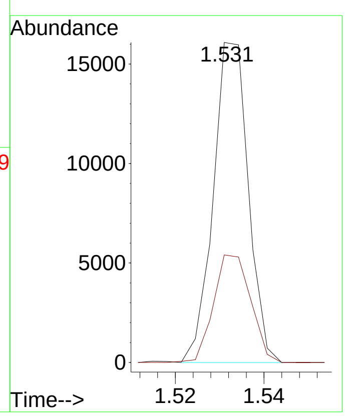


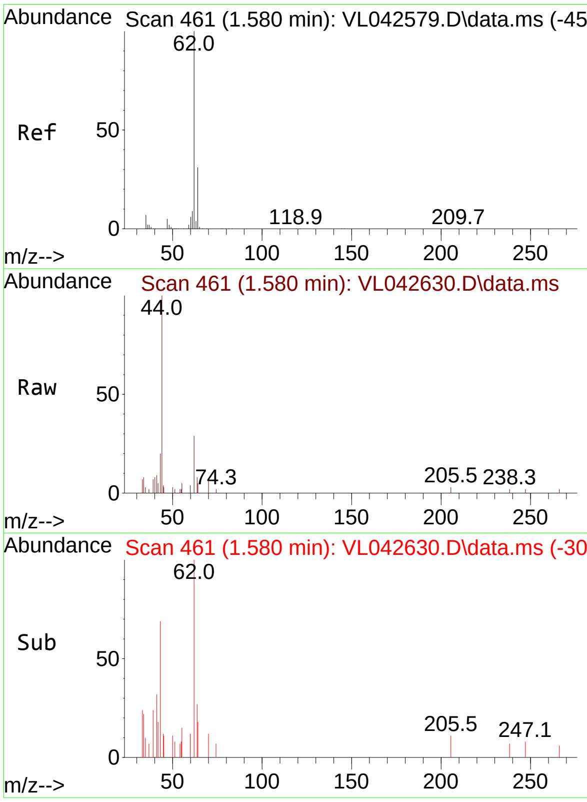


#4
Chloromethane
Concen: 1.636 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 50 Resp: 8847

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.8	38.6



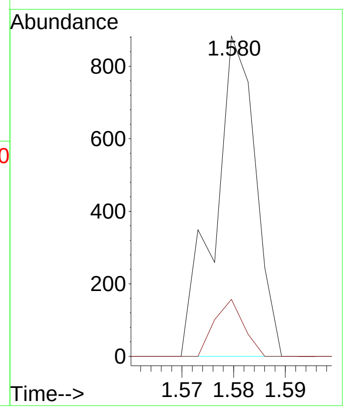


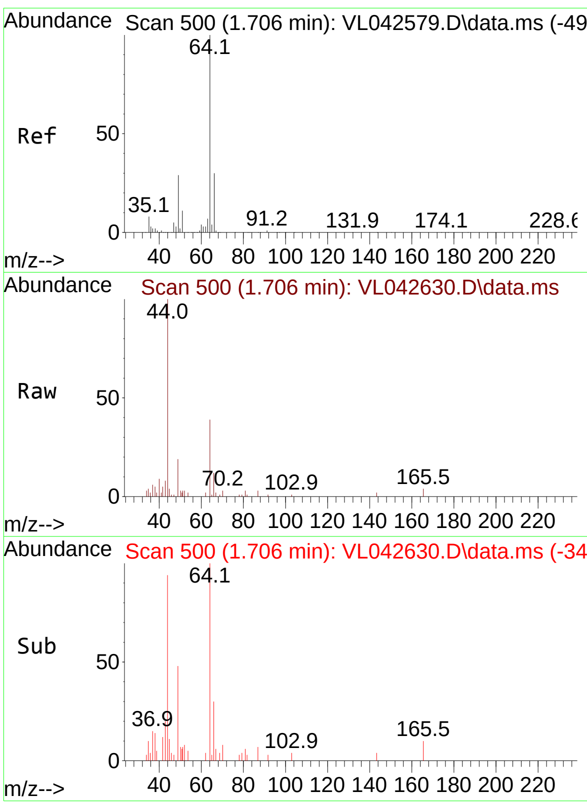
#5
Vinyl Chloride
Concen: 0.088 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 62 Resp: 484

Ion	Ratio	Lower	Upper
62	100		
64	17.8	24.9	37.3#

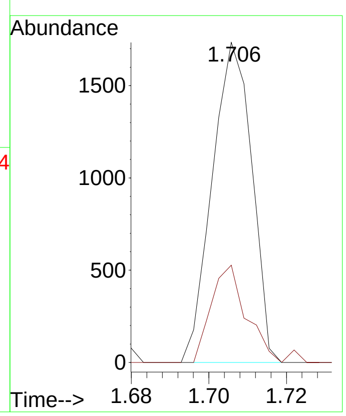


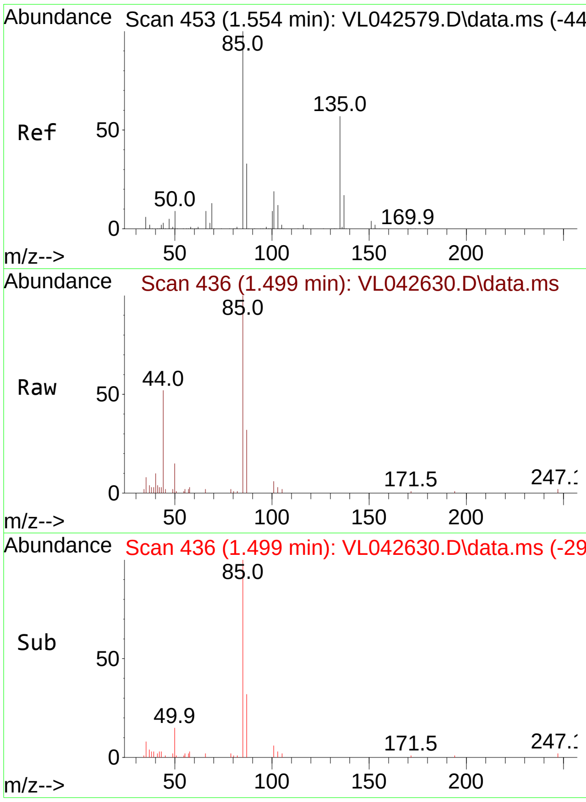


#7
Chloroethane
Concen: 0.577 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 64 Resp: 1235

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5



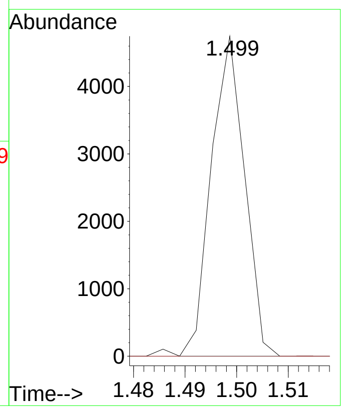


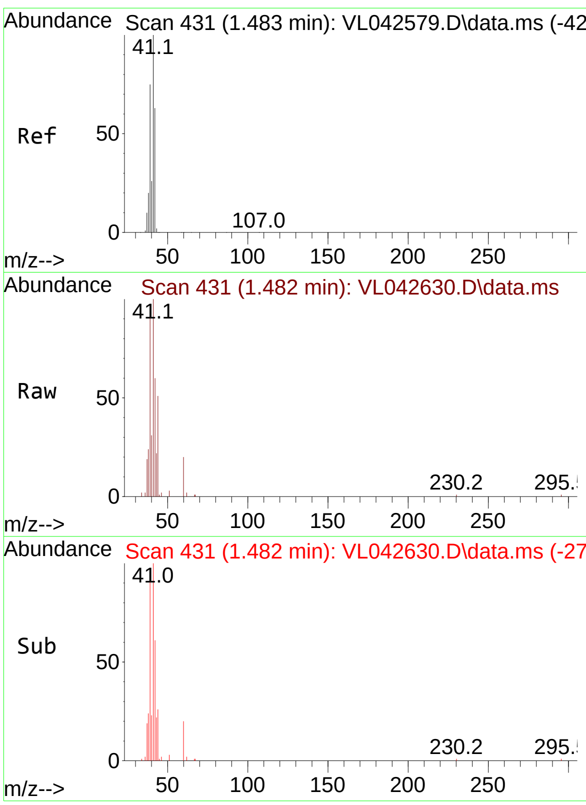
#8
Dichlorotetrafluoroethane
Concen: 0.187 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.055 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 85 Resp: 2128

Ion	Ratio	Lower	Upper
85	100		
135	0.5	50.2	75.4#

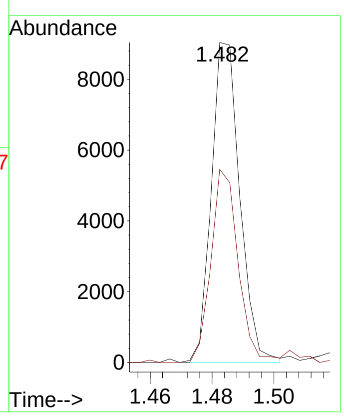


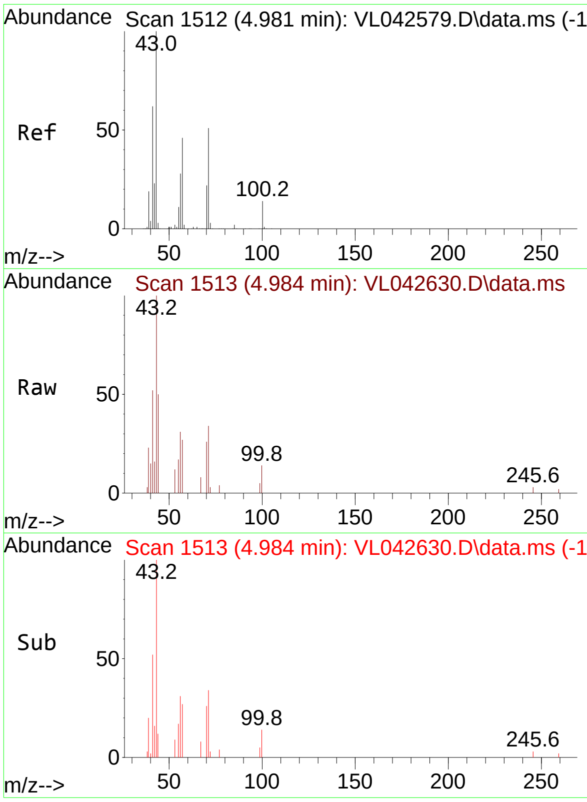


#9
Propene
Concen: 0.764 ppbv
RT: 1.482 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 41 Resp: 5787

Ion	Ratio	Lower	Upper
41	100		
42	61.9	53.3	79.9



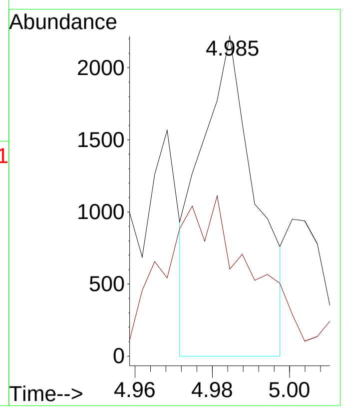


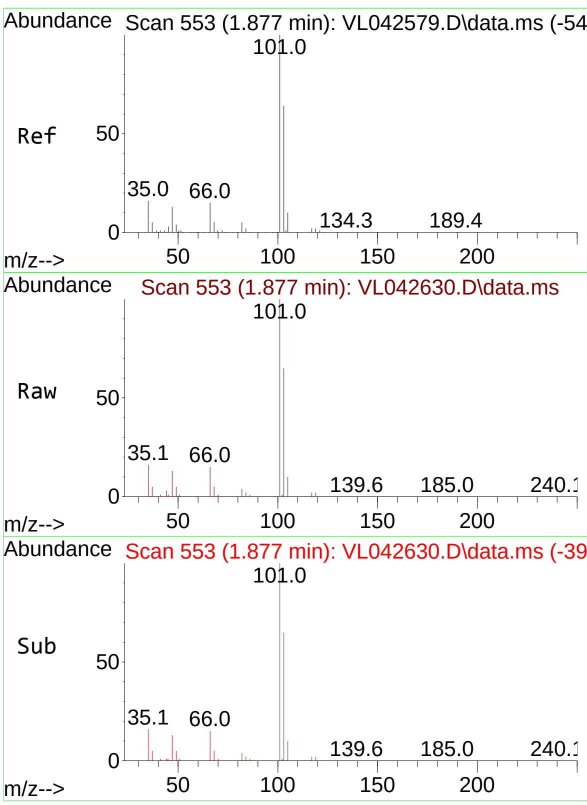
#10
Heptane
Concen: 0.102 ppbv
RT: 4.984 min Scan# 1!
Delta R.T. 0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 43 Resp: 2169

Ion	Ratio	Lower	Upper
43	100		
57	90.6	38.9	58.3#

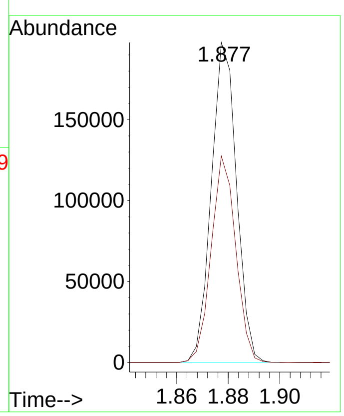


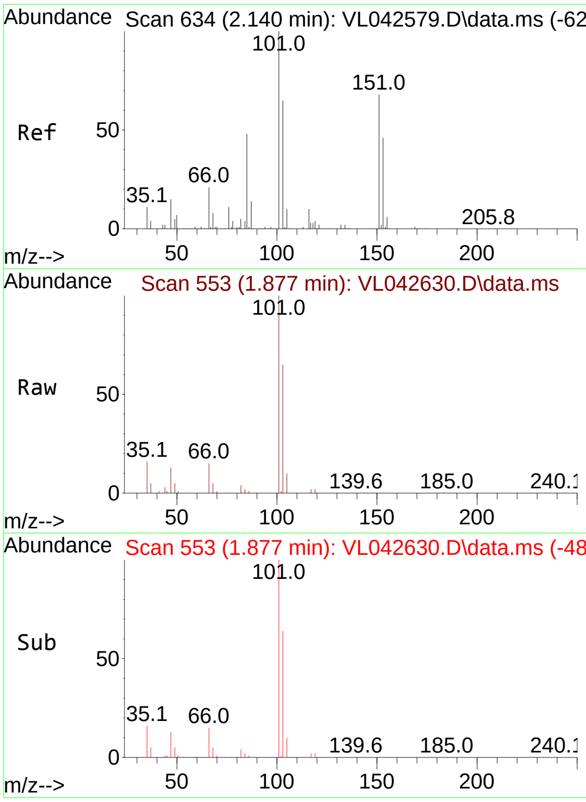


#11
Trichlorofluoromethane
Concen: 10.574 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:101 Resp: 134347

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.5	77.3



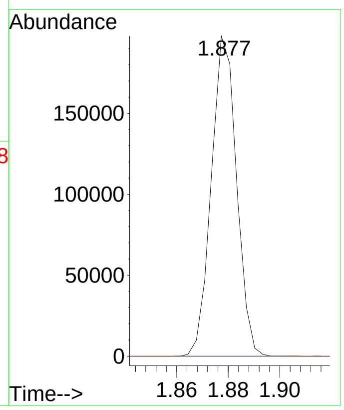


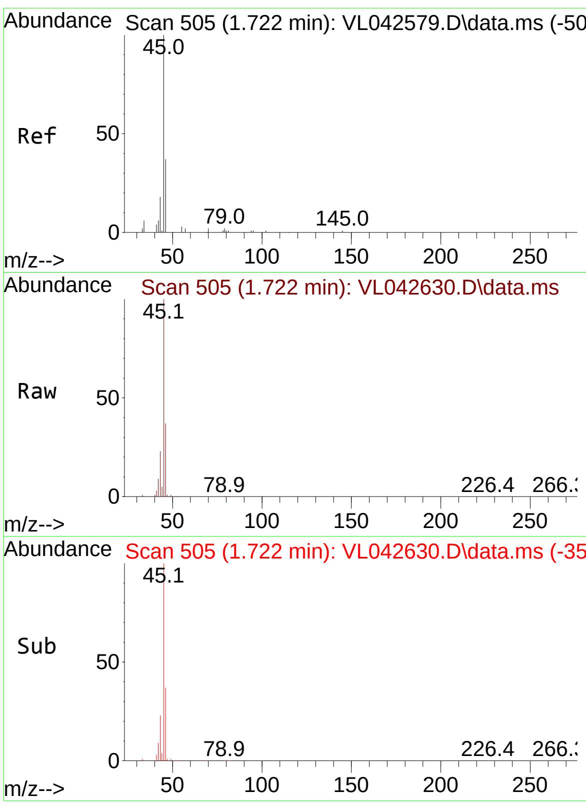
#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.465 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.262 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:101 Resp: 134347

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.3	82.9#

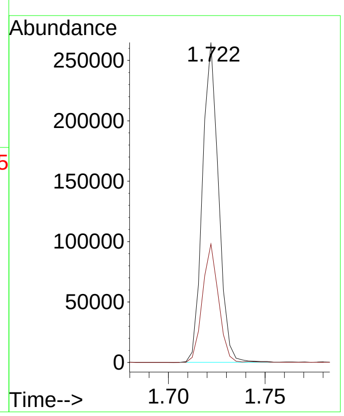


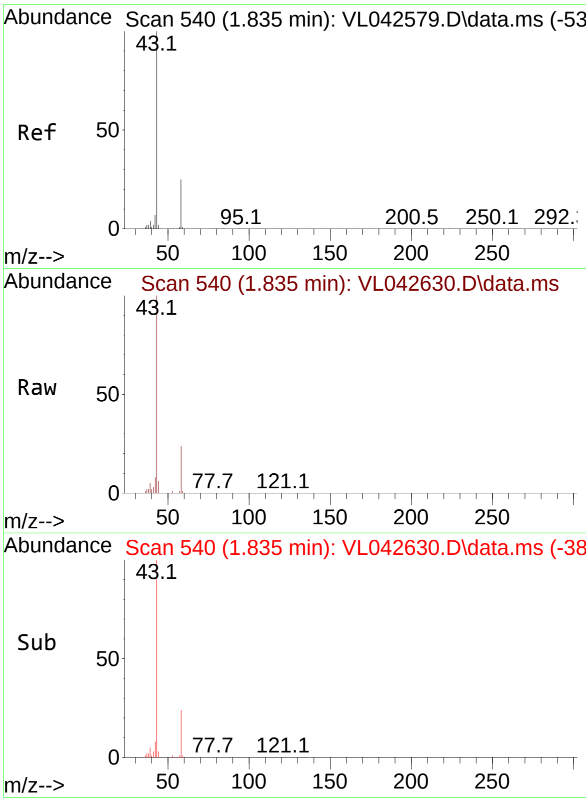


#13
Ethanol
Concen: 170.164 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 45 Resp: 153596

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.5	58.1



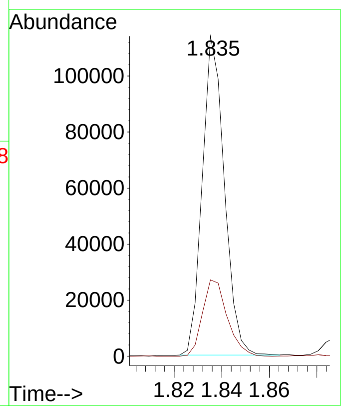


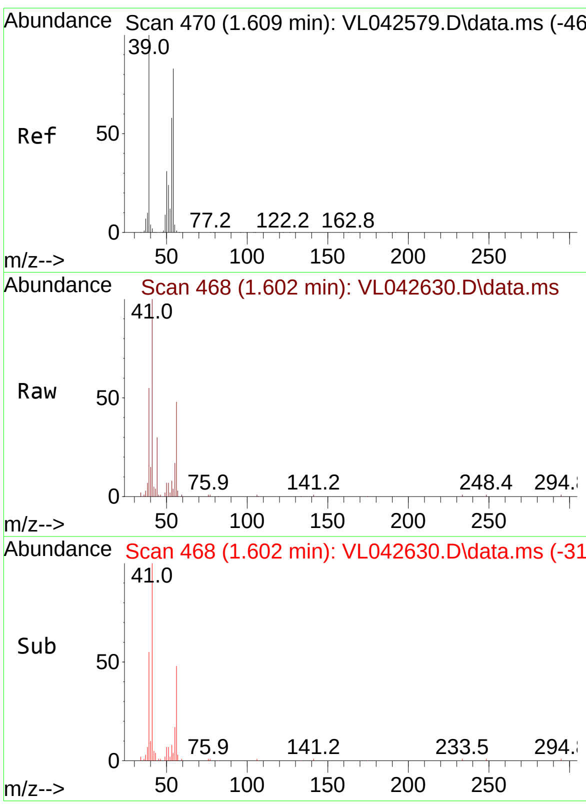
#15
Acetone
Concen: 5.479 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 43 Resp: 73330

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.0	31.4

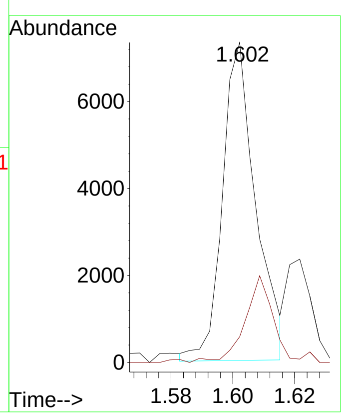


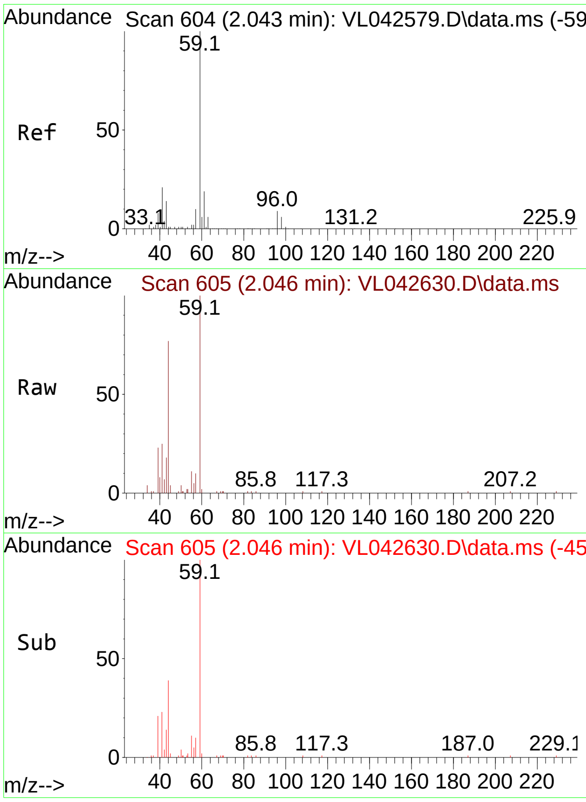


#16
1,3-Butadiene
Concen: 0.864 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.007 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 39 Resp: 5476

Ion	Ratio	Lower	Upper
39	100		
54	24.1	57.9	86.9#



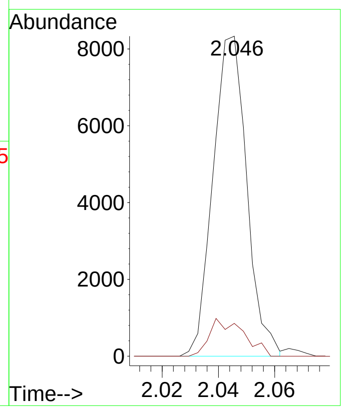


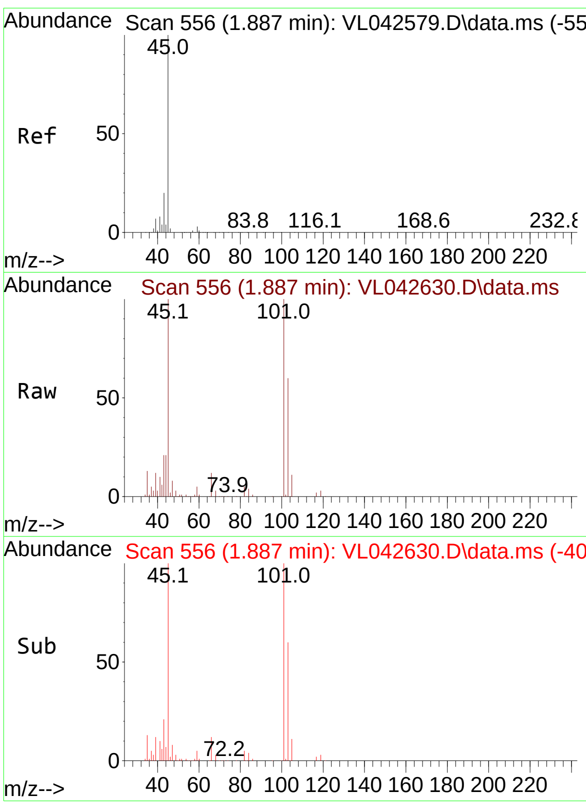
#17
tert-Butyl alcohol
Concen: 0.499 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 59 Resp: 6954

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.6	12.8

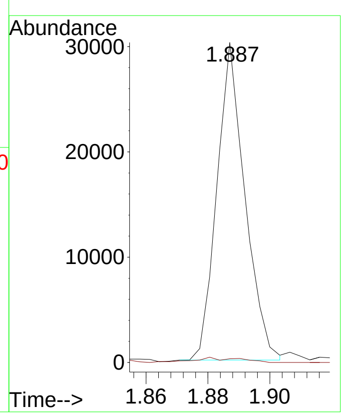


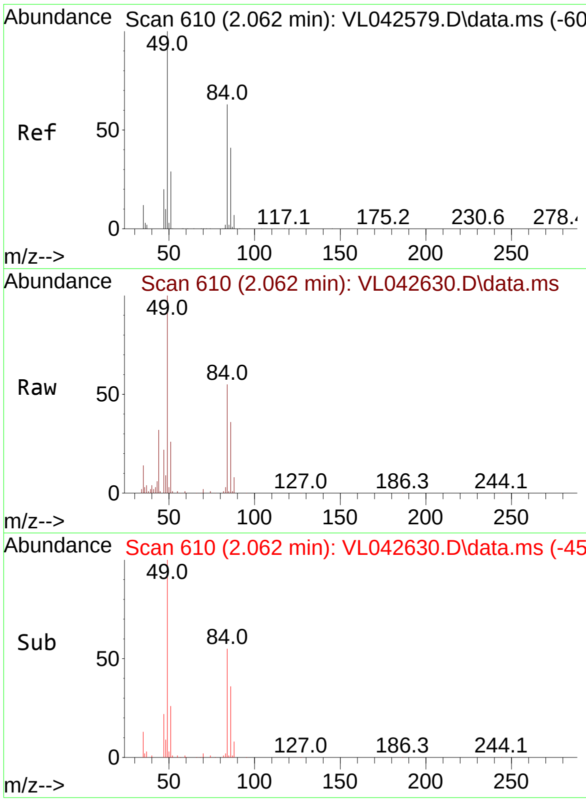


#19
Isopropyl Alcohol
Concen: 2.373 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 45 Resp: 18985

Ion	Ratio	Lower	Upper
45	100		
58	104.2	29.4	44.2#



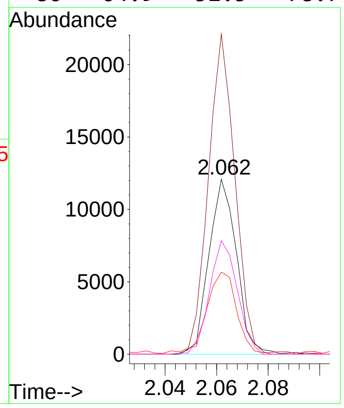


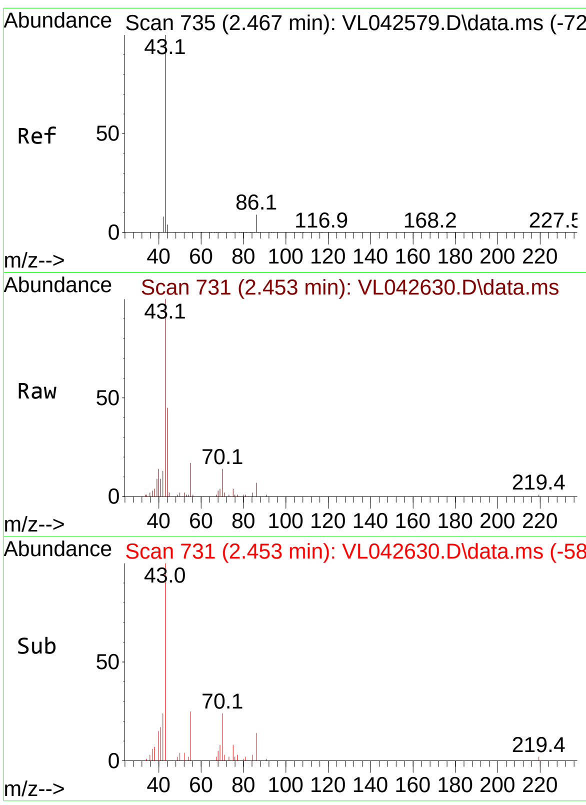
#20
Methylene Chloride
Concen: 2.036 ppbv
RT: 2.062 min   Scan# 61
Delta R.T.   -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025   15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 84 Resp: 8992

Ion	Ratio	Lower	Upper
84	100		
49	182.9	128.8	193.2
51	45.6	38.6	57.8
86	64.9	52.5	78.7

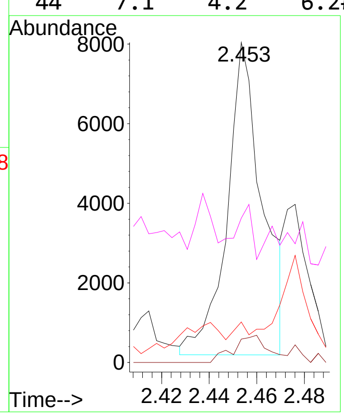


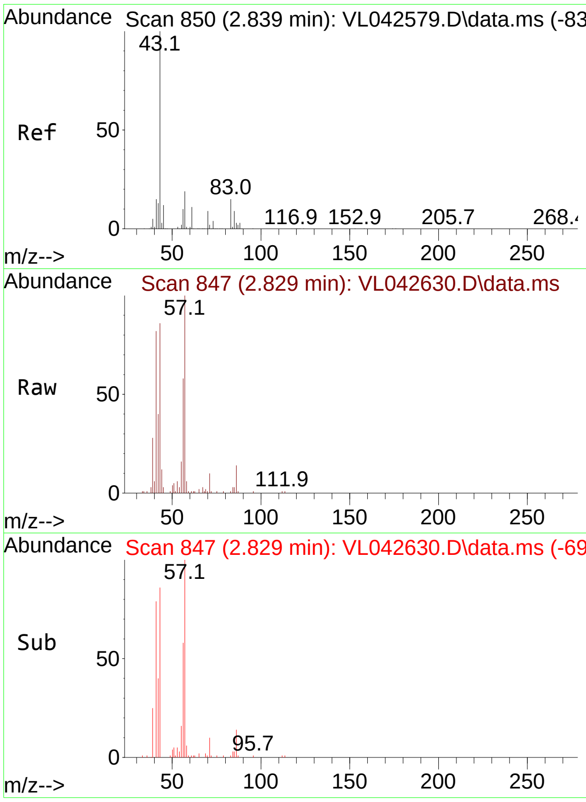


#23
Vinyl Acetate
Concen: 0.446 ppbv
RT: 2.453 min   Scan# 731
Delta R.T.   -0.013 min
Lab File: VL042630.D
Acq: 16 Jun 2025   15:46

Tgt Ion: 43 Resp: 8073

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.6	9.8
42	4.4	7.0	10.4#
44	7.1	4.2	6.2#



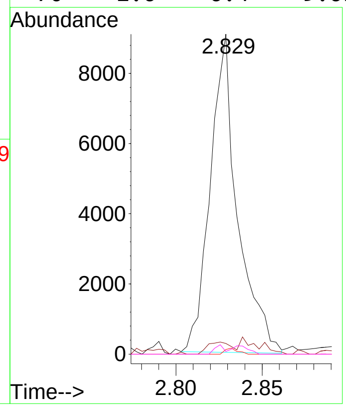


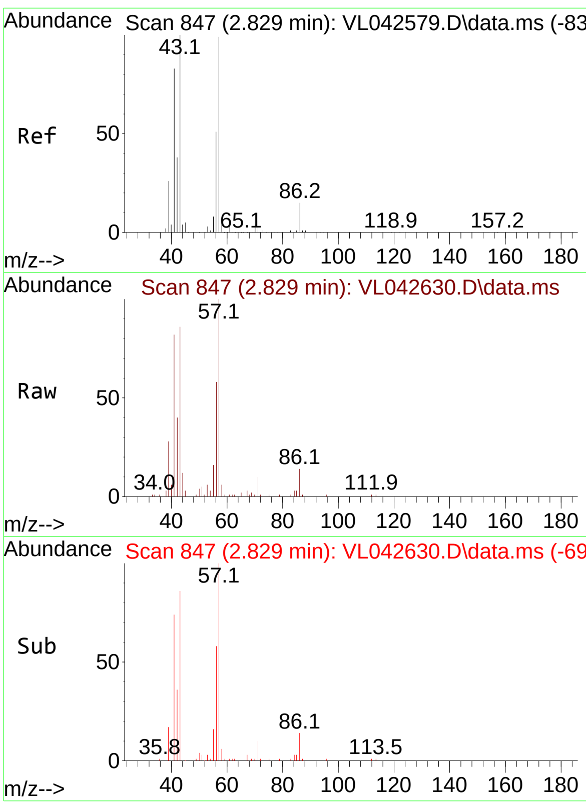
#25
Ethyl Acetate
Concen: 0.273 ppbv
RT: 2.829 min Scan# 84
Delta R.T.   -0.010 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 43 Resp: 10003

Ion	Ratio	Lower	Upper
43	100		
45	7.9	8.2	12.2#
61	0.8	7.1	10.7#
70	2.6	6.4	9.6#

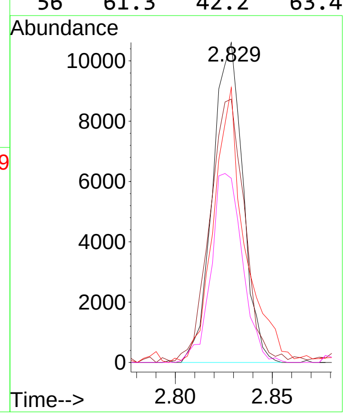


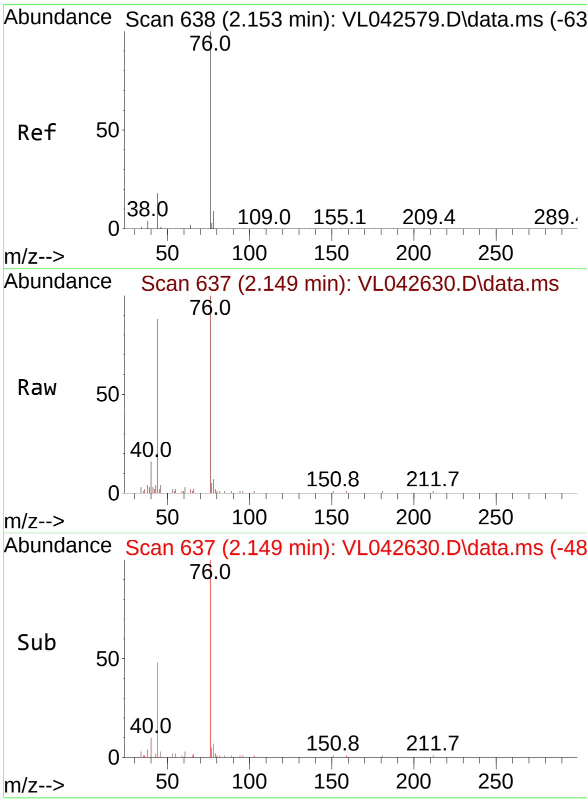


#26
Hexane
Concen: 0.694 ppbv
RT: 2.829 min Scan# 847
Delta R.T.   -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 57 Resp: 11551

Ion	Ratio	Lower	Upper
57	100		
41	91.2	70.6	106.0
43	87.1	181.1	271.7#
56	61.3	42.2	63.4



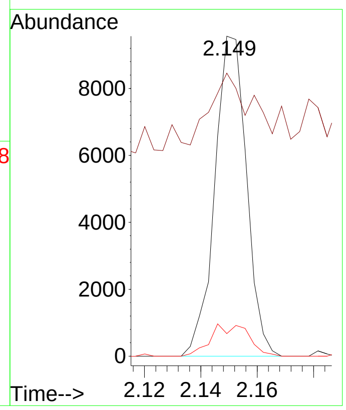


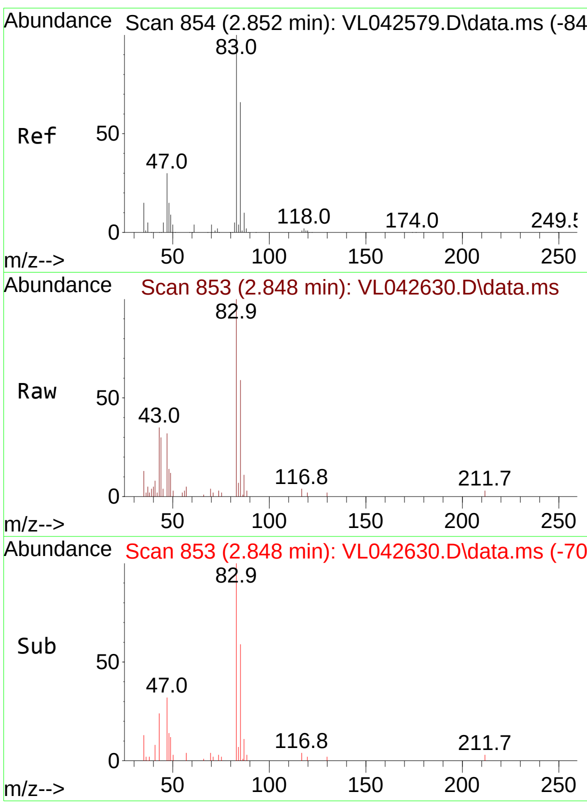
#27
Carbon Disulfide
Concen: 0.586 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 76 Resp: 7484

Ion	Ratio	Lower	Upper
76	100		
44	189.6	21.3	31.9#
78	12.1	9.4	14.0

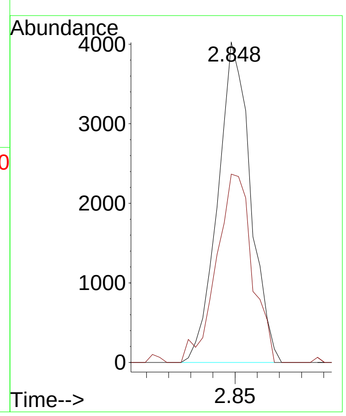


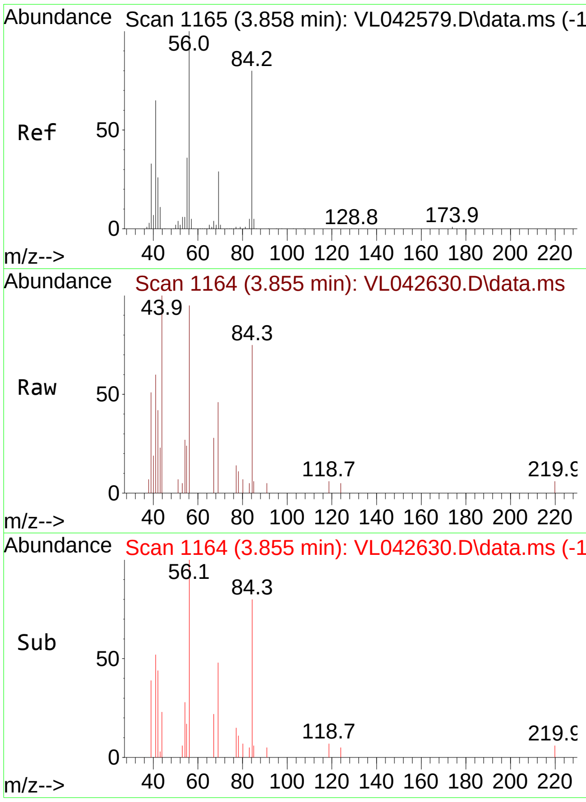


#29
Chloroform
Concen: 0.192 ppbv
RT: 2.848 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 83 Resp: 4149

Ion	Ratio	Lower	Upper
83	100		
85	58.8	52.8	79.2



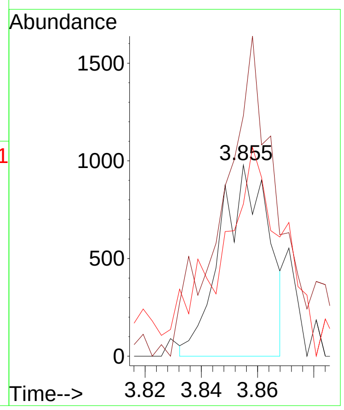


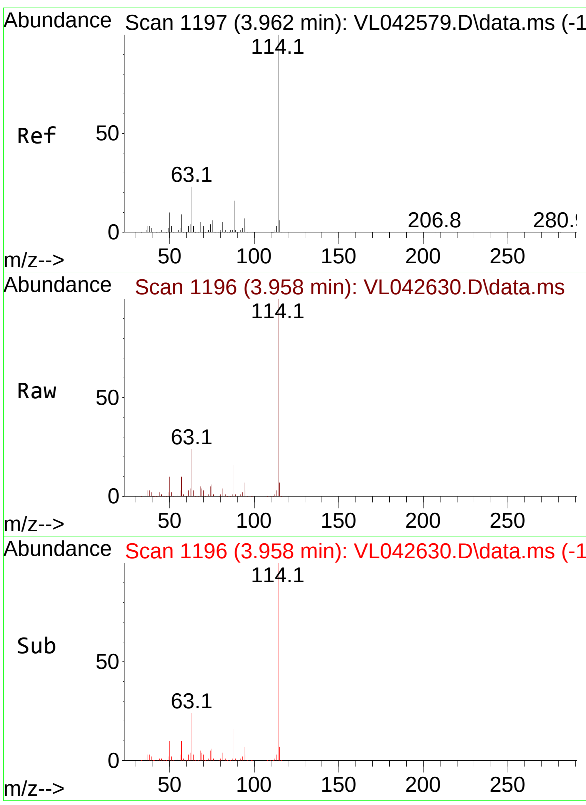
#30
Cyclohexane
Concen: 0.085 ppbv
RT: 3.855 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 84 Resp: 1171

Ion	Ratio	Lower	Upper
84	100		
56	197.2	103.7	155.5#
41	129.7	65.1	97.7#

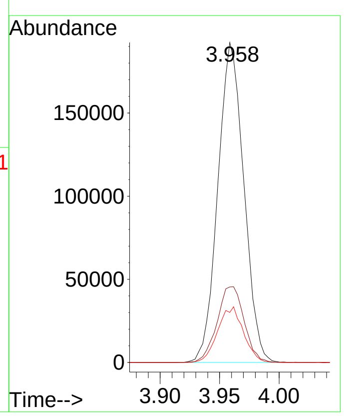


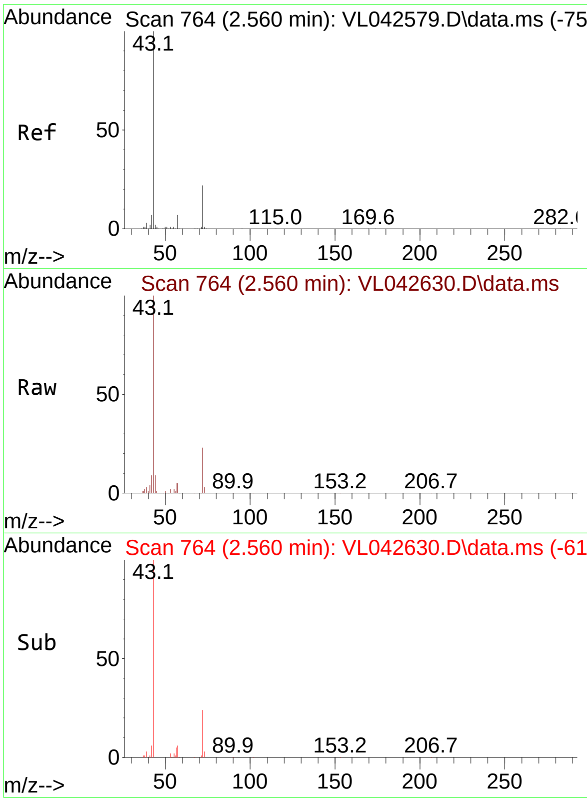


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:114 Resp: 291956

Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.0	28.6
88	17.2	13.6	20.4



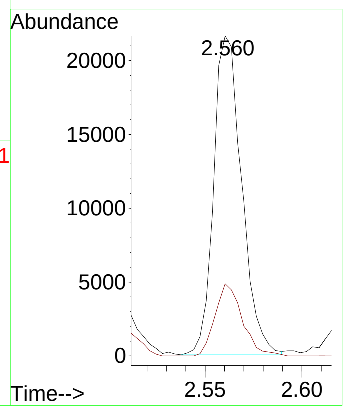


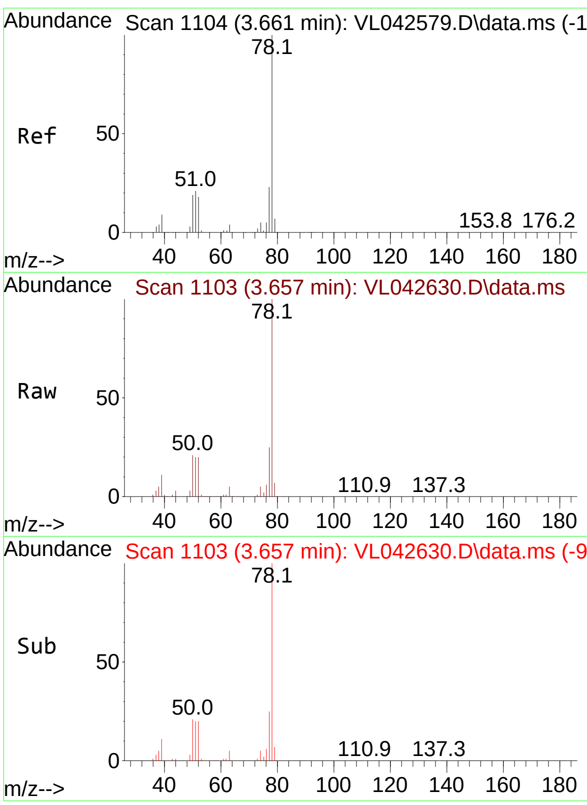
#34
2-Butanone
Concen: 1.046 ppbv
RT: 2.560 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 43 Resp: 21779

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.7	26.5

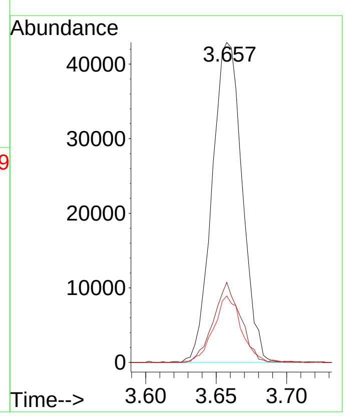


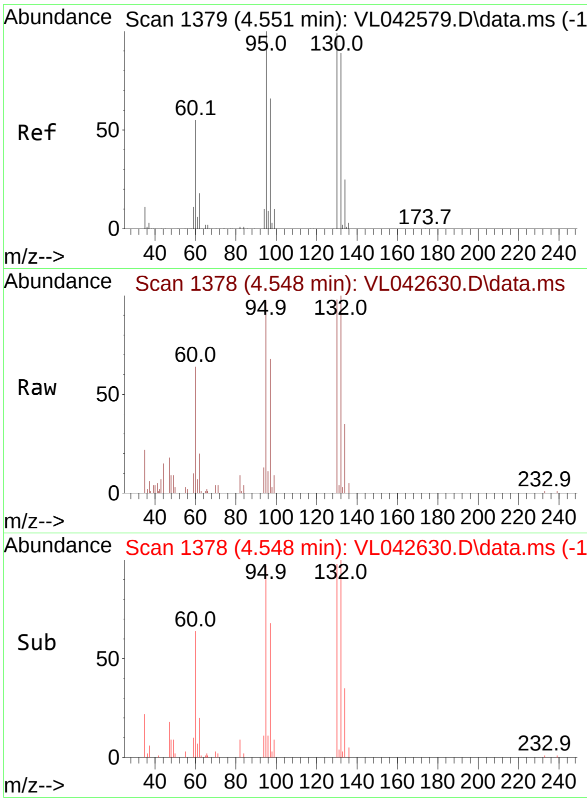


#36
Benzene
Concen: 2.220 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 78 Resp: 63818

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.2	27.2
50	20.7	15.2	22.8



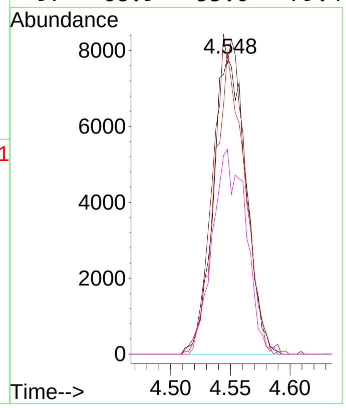


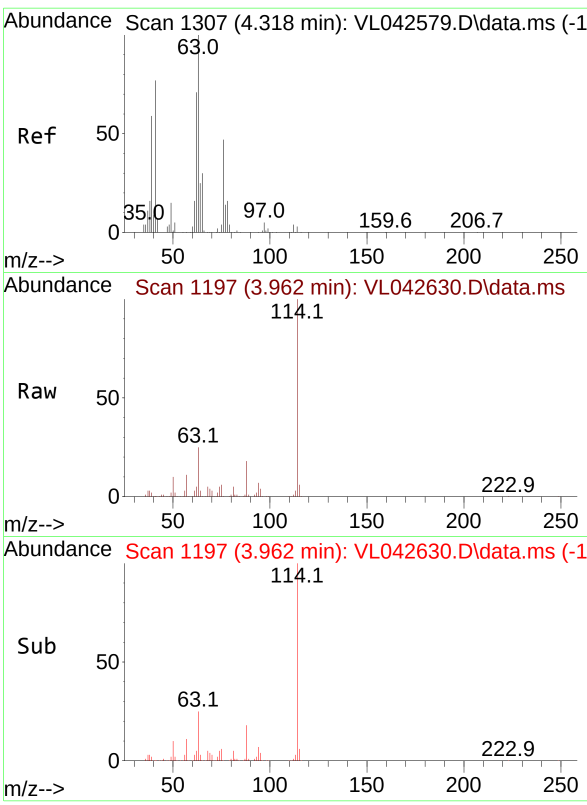
#38
Trichloroethene
Concen: 1.230 ppbv
RT: 4.548 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:130 Resp: 15028

Ion	Ratio	Lower	Upper
130	100		
95	98.1	80.6	121.0
132	101.5	71.8	107.6
97	68.9	53.0	79.4

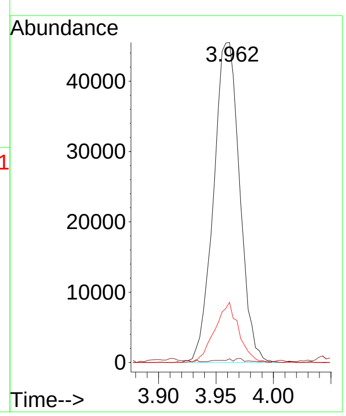


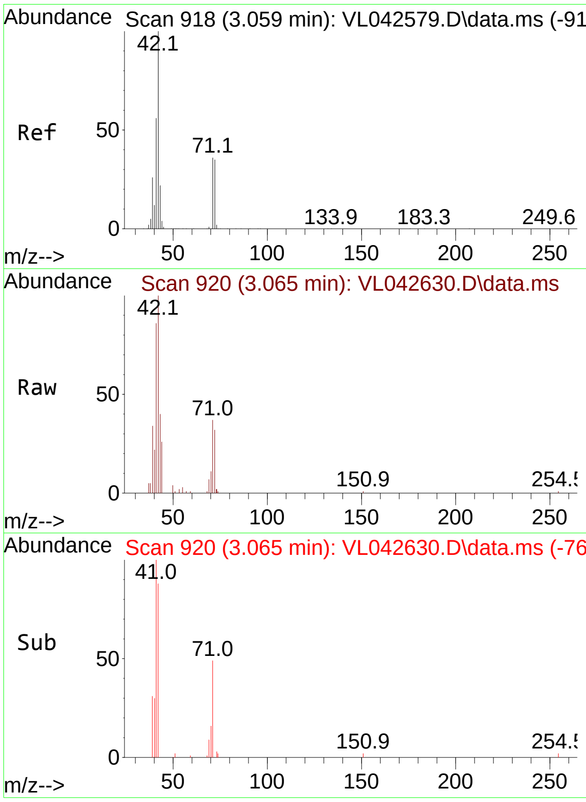


#39
1,2-Dichloropropane
Concen: 6.778 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.356 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 63 Resp: 72063

Ion	Ratio	Lower	Upper
63	100		
41	0.6	61.8	92.6#
62	18.8	56.6	85.0#



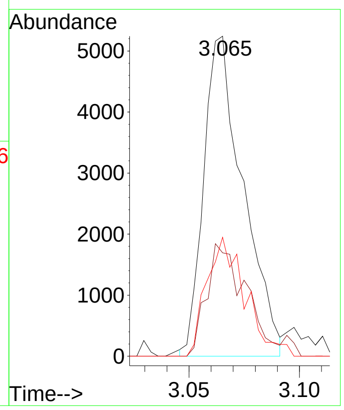


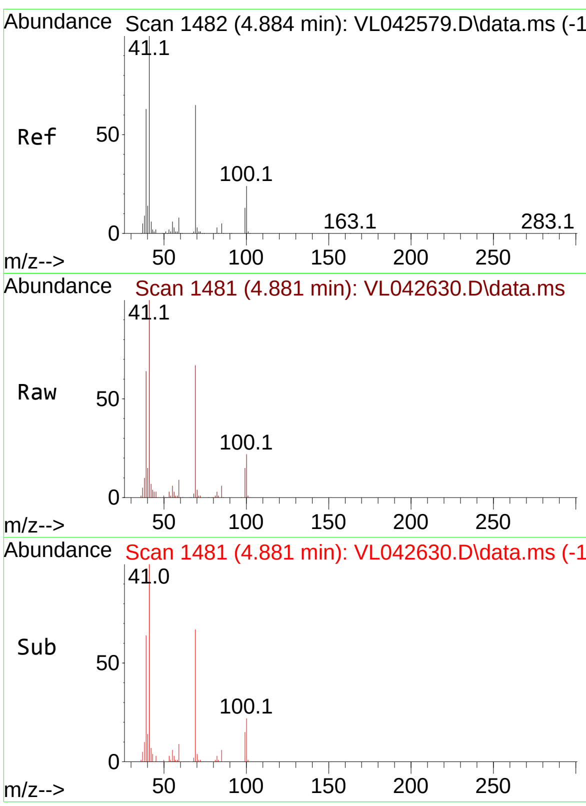
#41
Tetrahydrofuran
Concen: 0.534 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 42 Resp: 6513

Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.9	43.3
71	36.4	28.5	42.7

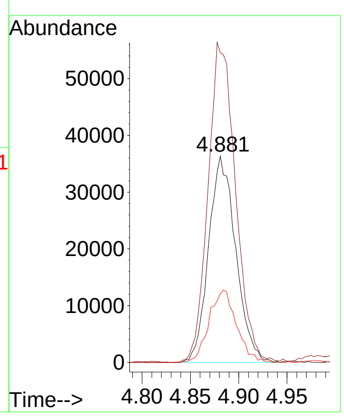


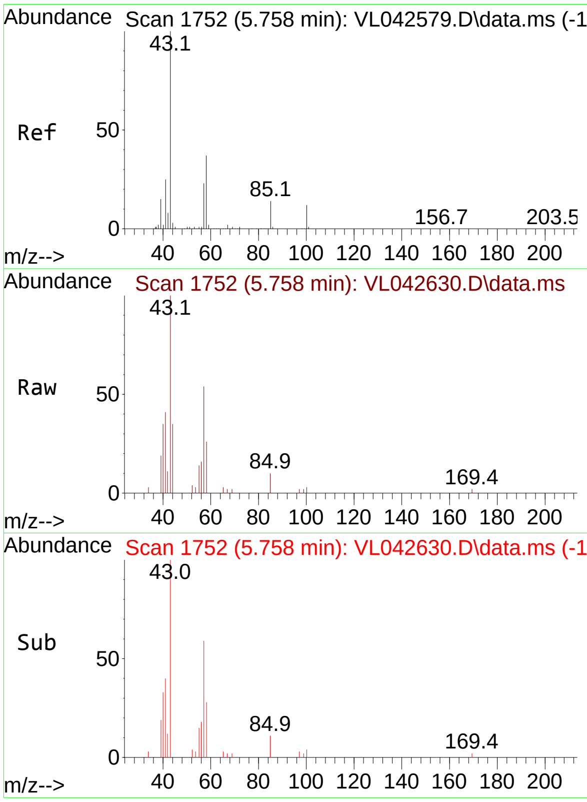


#43
Methyl Methacrylate
Concen: 6.364 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 69 Resp: 71010

Ion	Ratio	Lower	Upper
69	100		
41	156.9	124.6	187.0
100	35.6	29.9	44.9



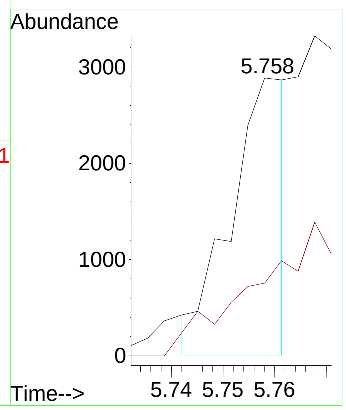


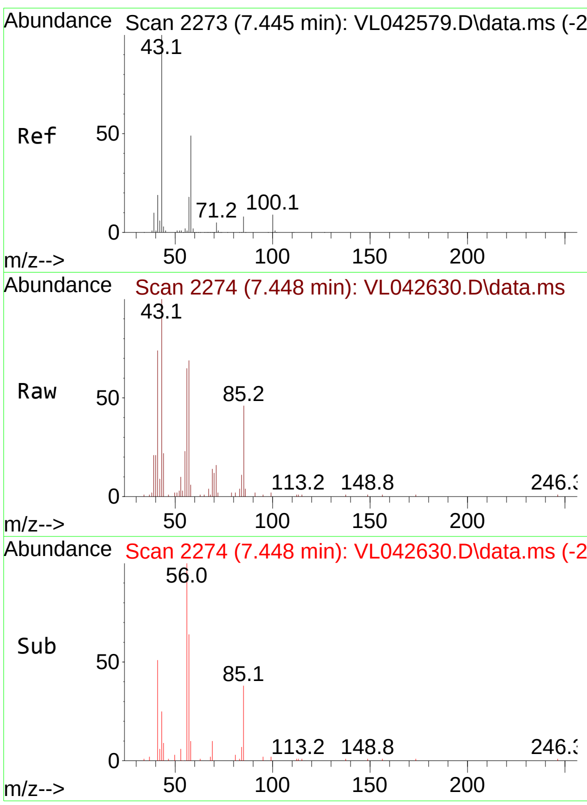
#50
4-Methyl-2-Pentanone
Concen: 0.074 ppbv
RT: 5.758 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 43 Resp: 2138

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.3	42.5#

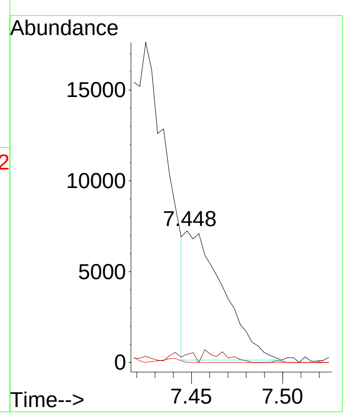




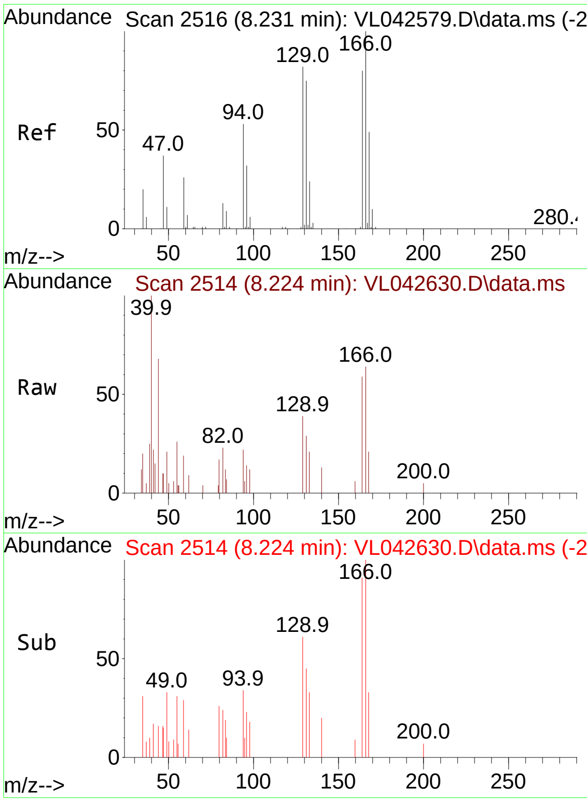
#51
2-Hexanone
Concen: 0.448 ppbv
RT: 7.448 min Scan# 2274
Delta R.T. 0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 43 Resp: 10260

Ion	Ratio	Lower	Upper
43	100		
58	7.0	39.9	59.9#
98	0.0	0.1	0.1#



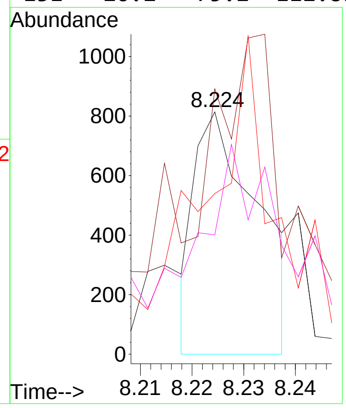
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

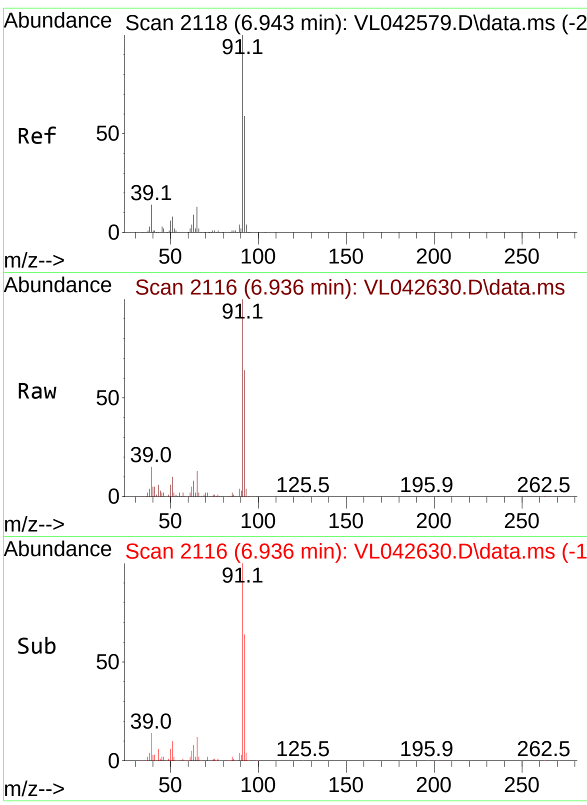


#52
Tetrachloroethene
Concen: 0.064 ppbv
RT: 8.224 min   Scan# 2!
Delta R.T.   -0.007 min
Lab File: VL042630.D
Acq: 16 Jun 2025   15:46

Tgt Ion:164 Resp: 689

Ion	Ratio	Lower	Upper
164	100		
166	104.2	100.0	150.0
129	14.9	82.2	123.4#
131	26.2	75.2	112.8#

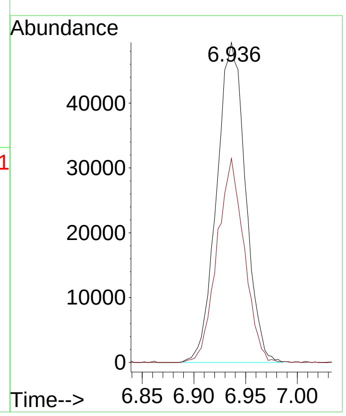


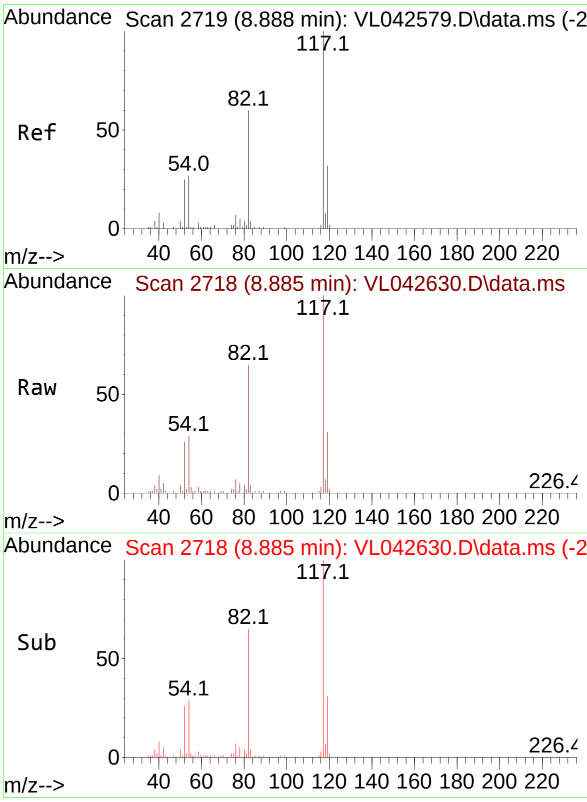


#53
Toluene
Concen: 2.880 ppbv
RT: 6.936 min   Scan# 2116
Delta R.T.   -0.007 min
Lab File: VL042630.D
Acq: 16 Jun 2025   15:46

Tgt Ion: 91 Resp: 95713

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.2	72.4



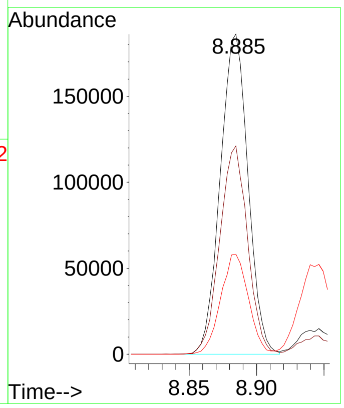


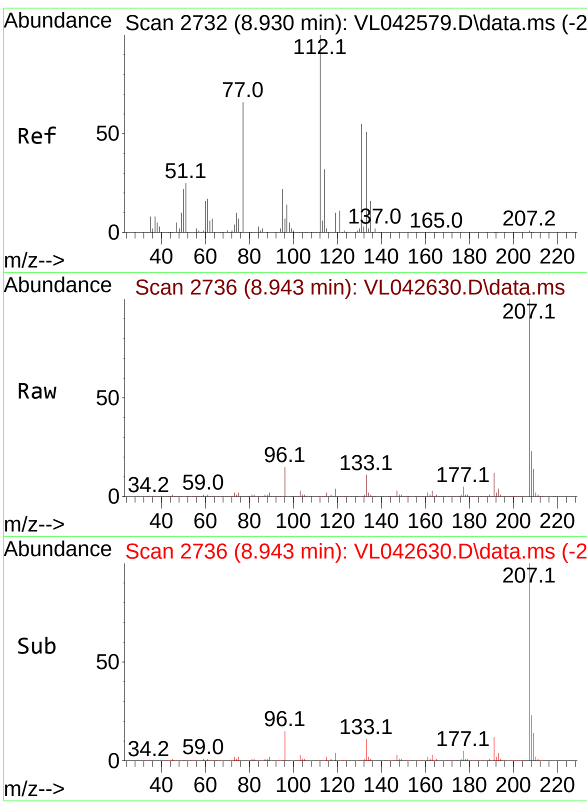
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:117 Resp: 266931

Ion	Ratio	Lower	Upper
117	100		
82	65.1	51.2	76.8
119	31.4	26.3	39.5

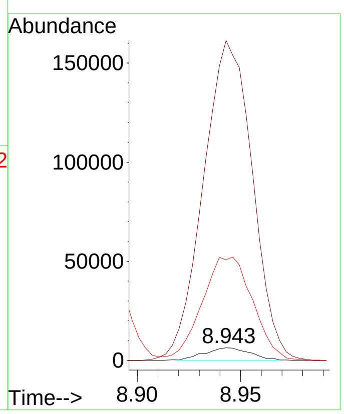


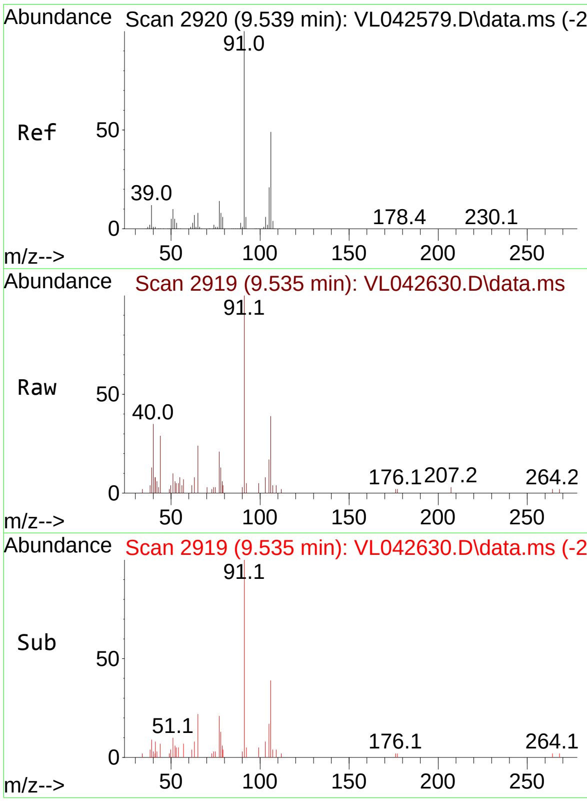


#56
1,1,1,2-Tetrachloroethane
Concen: 0.738 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.013 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:131 Resp: 9904

Ion	Ratio	Lower	Upper
131	100		
133	2694.2	75.0	112.6#
119	897.4	50.8	76.2#



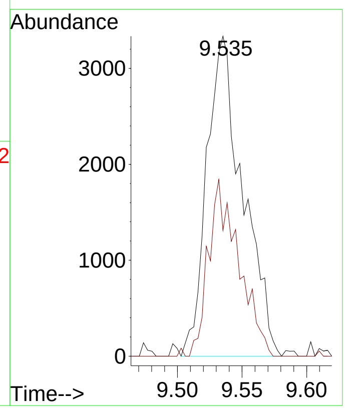


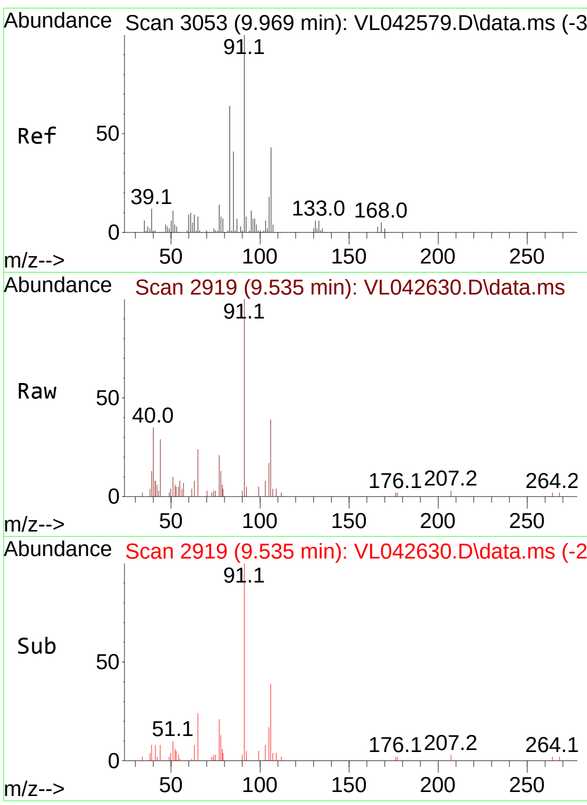
#59
m/p-Xylene
Concen: 0.182 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion: 91 Resp: 6496

Ion	Ratio	Lower	Upper
91	100		
106	46.6	38.8	58.2

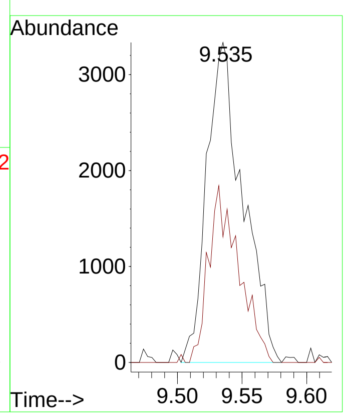


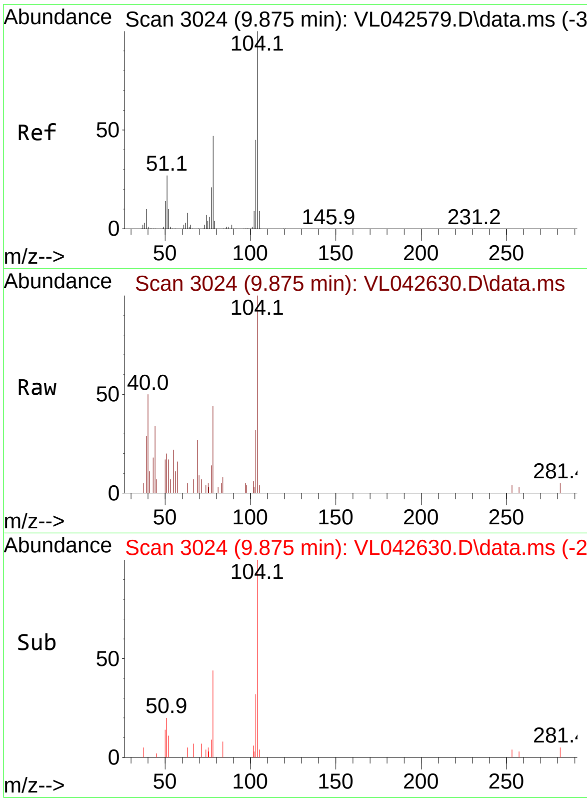


#60
o-Xylene
Concen: 0.183 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.434 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 91 Resp: 6496

Ion	Ratio	Lower	Upper
91	100		
106	46.6	22.9	68.5



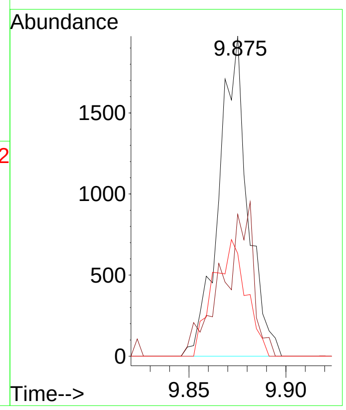


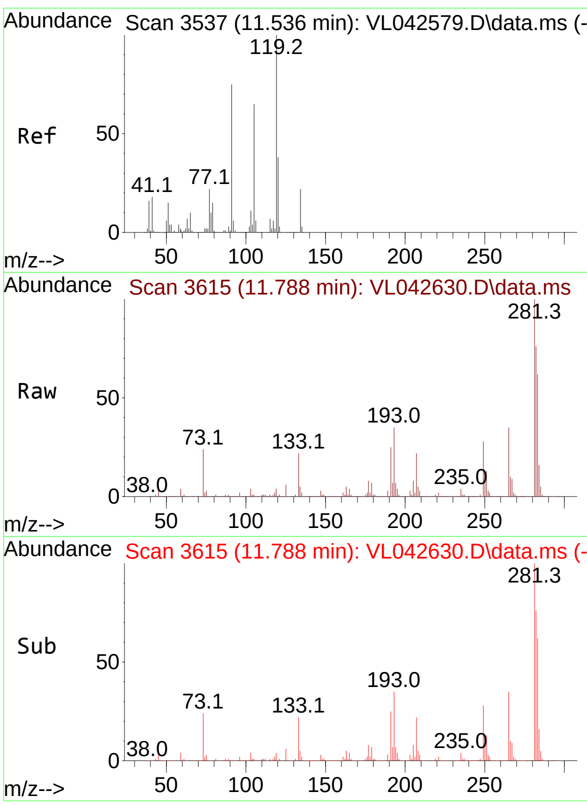
#61
Styrene
Concen: 0.122 ppbv
RT: 9.875 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:104 Resp: 2053

Ion	Ratio	Lower	Upper
104	100		
78	50.7	38.2	57.4
103	41.4	36.7	55.1

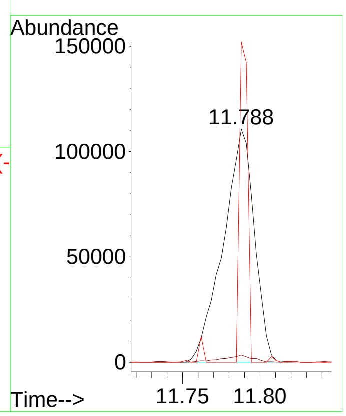


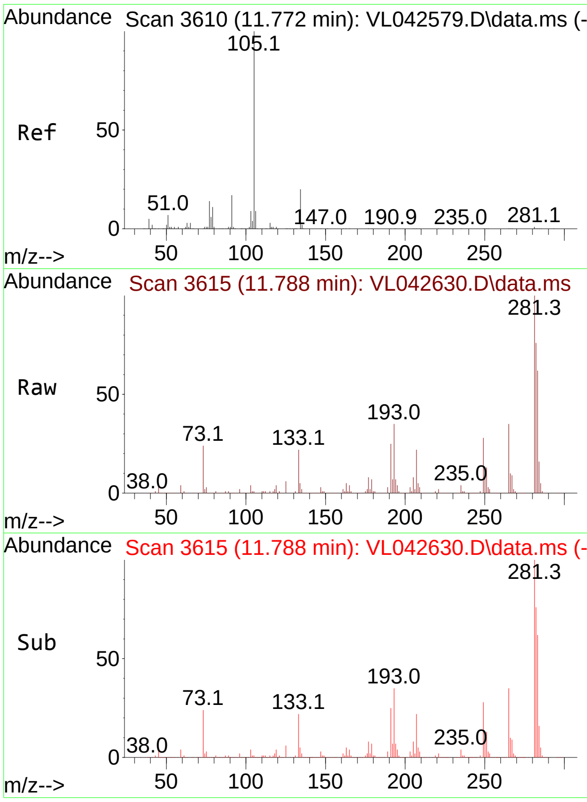


#65
tert-Butylbenzene
Concen: 3.249 ppbv
RT: 11.788 min Scan# 3615
Delta R.T. 0.252 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:119 Resp: 154788

Ion	Ratio	Lower	Upper
119	100		
91	3.1	61.1	91.7#
134	37.4	17.4	26.2#



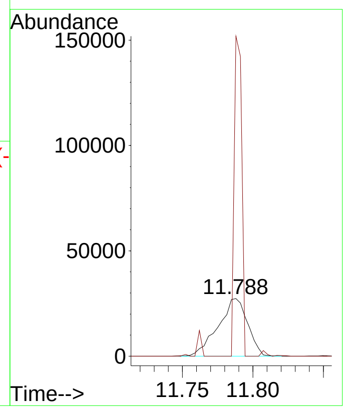


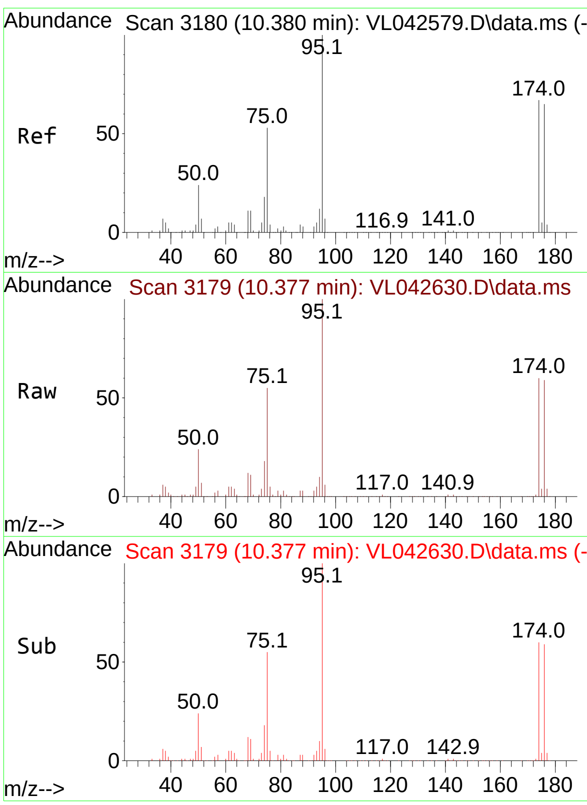
#67
sec-Butylbenzene
Concen: 0.594 ppbv
RT: 11.788 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:105 Resp: 39796

Ion	Ratio	Lower	Upper
105	100		
134	152.1	15.8	23.6#

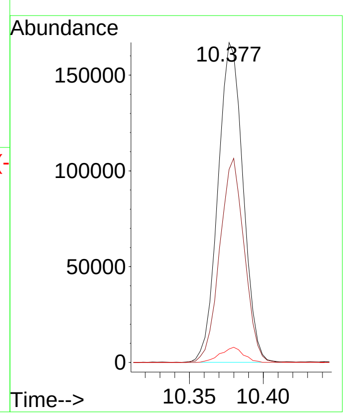


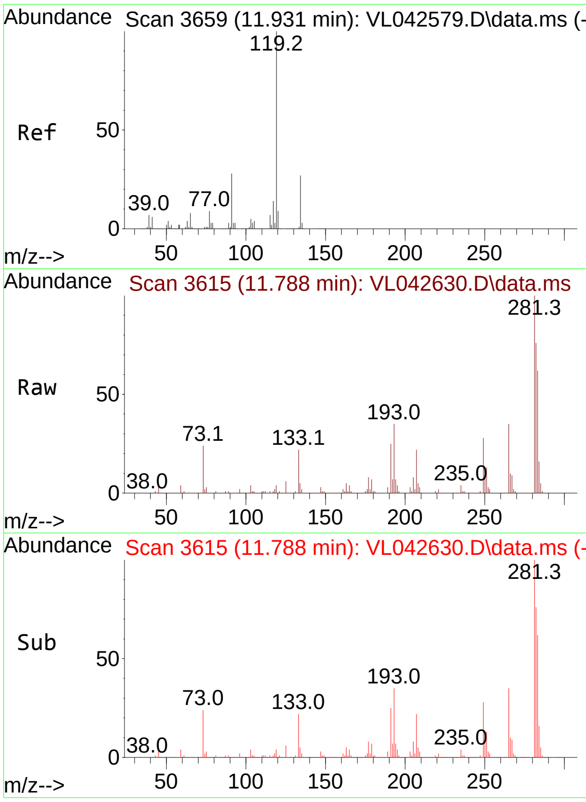


#68
1-Bromo-4-Fluorobenzene
Concen: 9.860 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 95 Resp: 197287

Ion	Ratio	Lower	Upper
95	100		
174	62.9	53.1	79.7
175	4.4	4.2	6.2

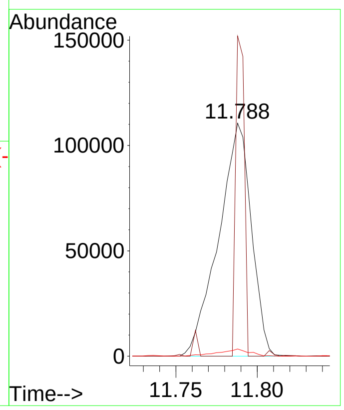


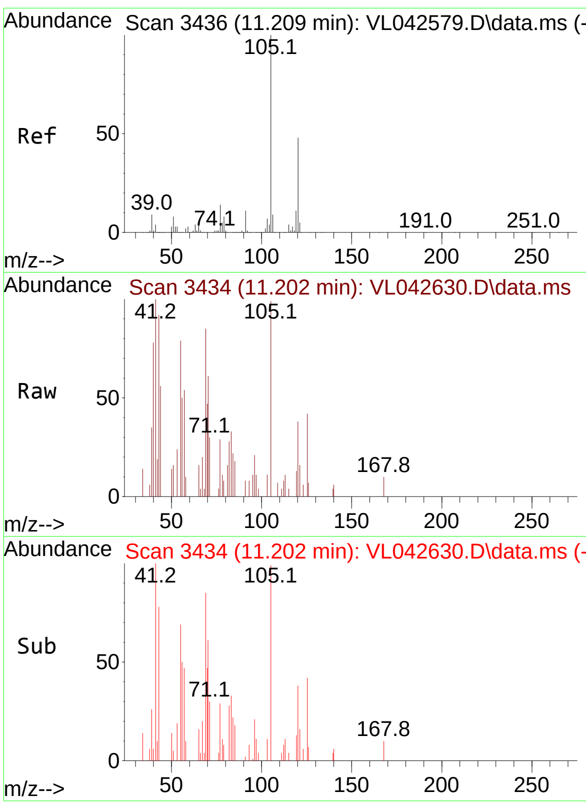



```
#69
p-Isopropyltoluene
Concen:     2.757 ppbv
RT:   11.788 min   Scan# 36
Delta R.T.   -0.143 min
Lab File:    VL042630.D
Acq: 16 Jun 2025   15:46

Tgt Ion:119 Resp:   154668
Ion   Ratio   Lower   Upper
119   100
134     0.0    21.1    31.7#
 91     2.9    21.9    32.9#
```

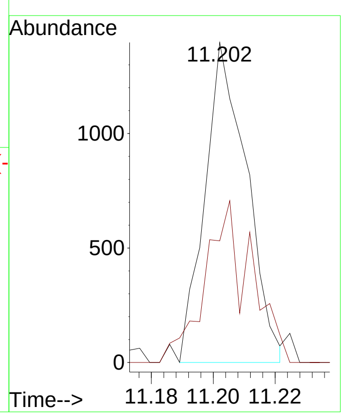
Instrument :
MSVOA_L
ClientSampleId :
115-SG1

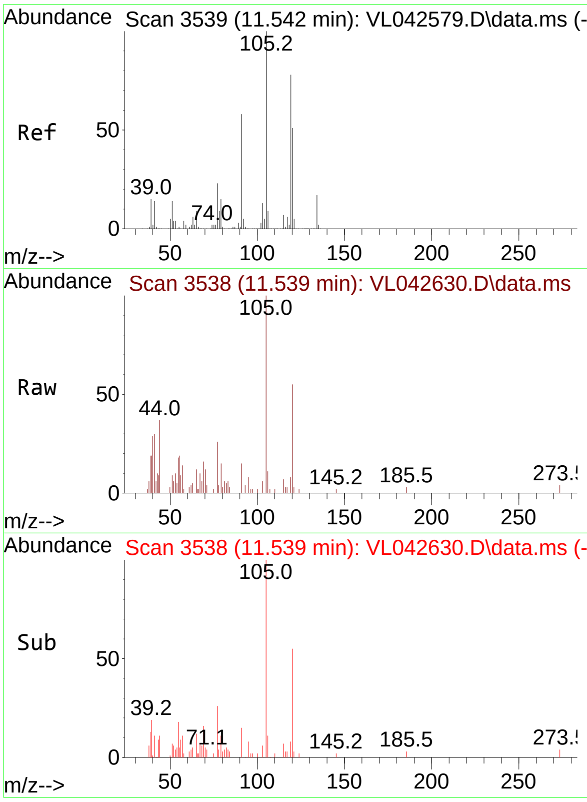





```
#73
1,3,5-Trimethylbenzene
Concen:     0.036 ppbv
RT:   11.202 min   Scan# 3434
Delta R.T.   -0.007 min
Lab File:    VL042630.D
Acq: 16 Jun 2025   15:46

Tgt Ion:105 Resp:     1309
Ion   Ratio   Lower   Upper
105   100
120    30.3    38.8    58.2#
```



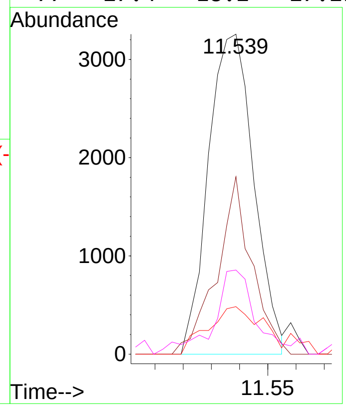


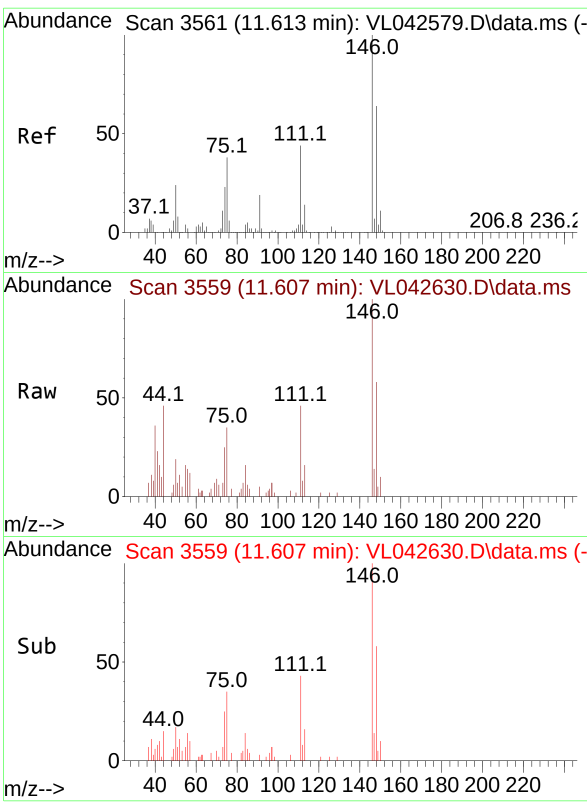
#74
1,2,4-Trimethylbenzene
Concen: 0.090 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:105 Resp: 3643

Ion	Ratio	Lower	Upper
105	100		
120	52.1	40.8	61.2
91	14.8	46.8	70.2#
77	27.4	18.2	27.2#

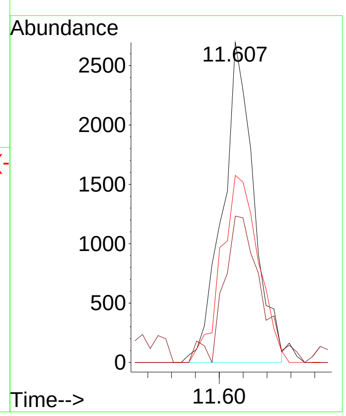


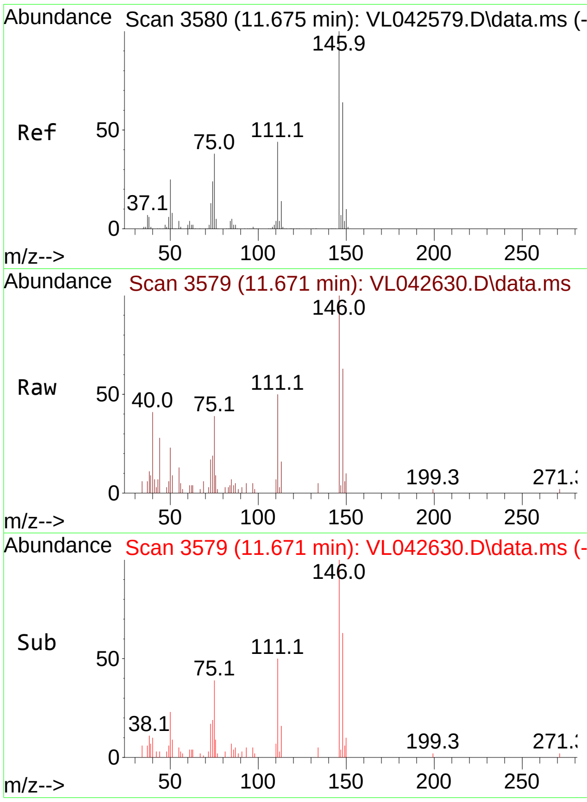


#75
1,3-Dichlorobenzene
Concen: 0.096 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.007 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:146 Resp: 2454

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.4	67.3#
148	69.5	32.0	96.2



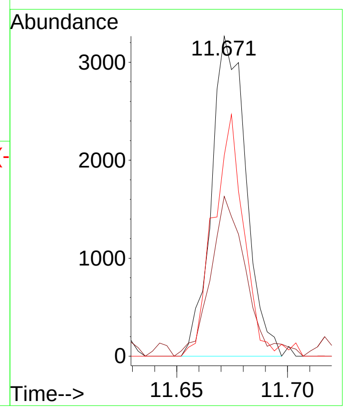


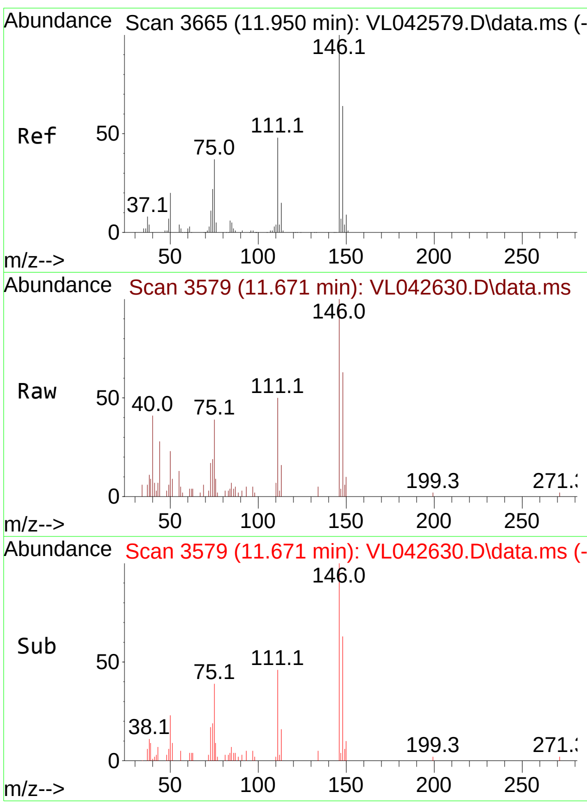
#76
1,4-Dichlorobenzene
Concen: 0.139 ppbv
RT: 11.671 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:146 Resp: 3546

Ion	Ratio	Lower	Upper
146	100		
111	55.3	21.6	64.8
148	67.6	32.1	96.5

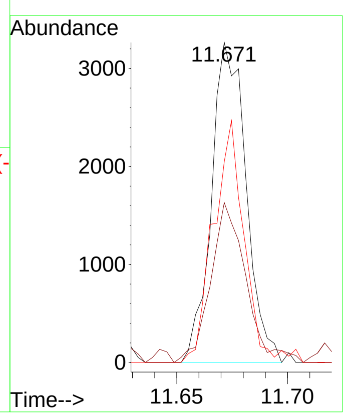


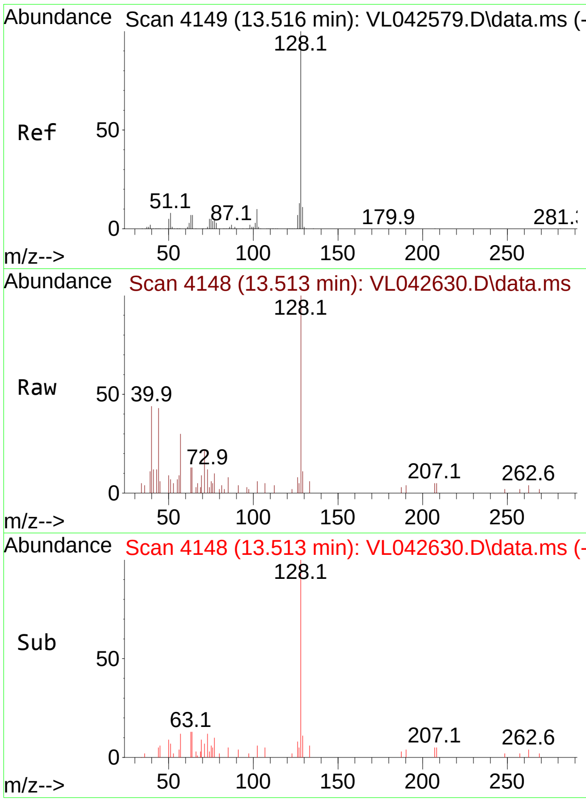


#77
1,2-Dichlorobenzene
Concen: 0.143 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.279 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:146 Resp: 3546

Ion	Ratio	Lower	Upper
146	100		
111	50.8	23.1	69.3
148	67.6	32.1	96.3



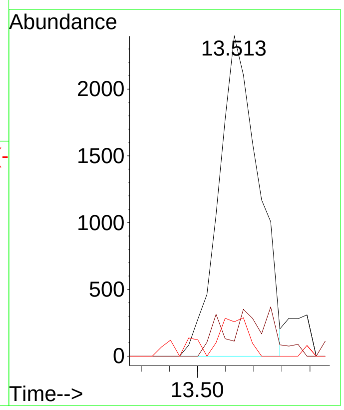


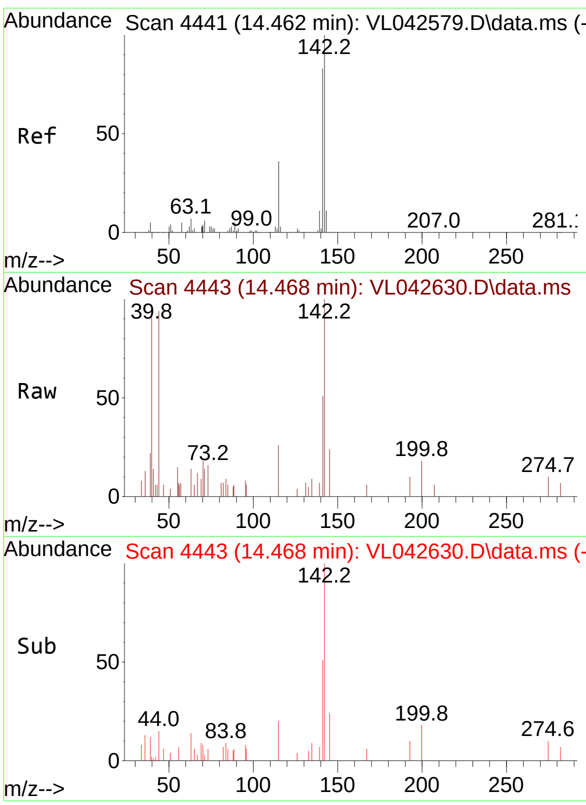
#79
Naphthalene
Concen: 0.061 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_L
ClientSampleId :
115-SG1

Tgt Ion:128 Resp: 2357

Ion	Ratio	Lower	Upper
128	100		
127	4.7	10.2	15.4#
129	10.8	8.8	13.2

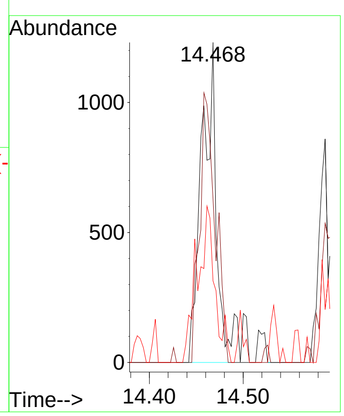




#80
Naphthalene,2-methyl-
Concen: 0.088 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.006 min
Lab File: VL042630.D
Acq: 16 Jun 2025 15:46

Tgt Ion:142 Resp: 1526

Ion	Ratio	Lower	Upper
142	100		
141	79.2	66.2	99.4
115	57.1	28.3	42.5#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042632.D
Acq On : 16 Jun 2025 16:53
Operator : SY/MD
Sample : Q2317-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Quant Time: Jun 17 03:08:00 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	2.790	49	104277	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	283950	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.888	117	250604	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.380	95	195002	10.380 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.800%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	1782	0.139 ppbv	100
3) Chlorodifluoromethane	1.466	51	70589	3.999 ppbv #	62
4) Chloromethane	1.534	50	11295	2.226 ppbv	91
5) Vinyl Chloride	1.576	62	385	0.074 ppbv #	44
7) Chloroethane	1.706	64	1674	0.833 ppbv	91
9) Propene	1.483	41	5661	0.796 ppbv	96
10) Heptane	4.985	43	1191	0.059 ppbv #	75
11) Trichlorofluoromethane	1.881	101	42477	3.562 ppbv	98
12) 1,1,2-Trichlorotrifluo...	1.881	101	42477	4.536 ppbv #	15
13) Ethanol	1.722	45	120630	142.401 ppbv	97
15) Acetone	1.839	43	165449	13.172 ppbv	97
16) 1,3-Butadiene	1.602	39	3503	0.589 ppbv #	48
17) tert-Butyl alcohol	2.046	59	4148	0.317 ppbv #	88
19) Isopropyl Alcohol	1.887	45	22537	3.001 ppbv #	1
20) Methylene Chloride	2.065	84	2944	0.710 ppbv #	82
21) Allyl Chloride	2.101	41	322	0.036 ppbv #	21
23) Vinyl Acetate	2.476	43	1755	0.103 ppbv #	46
25) Ethyl Acetate	2.845	43	1702	0.050 ppbv #	61
26) Hexane	2.832	57	3435	0.220 ppbv #	66
27) Carbon Disulfide	2.153	76	4129	0.344 ppbv #	1
29) Chloroform	2.852	83	42100	2.073 ppbv	97
30) Cyclohexane	3.865	84	677	0.052 ppbv #	12
34) 2-Butanone	2.564	43	19644	0.970 ppbv	98
36) Benzene	3.664	78	22890	0.819 ppbv	97
38) Trichloroethene	4.554	130	38427	3.233 ppbv	91
39) 1,2-Dichloropropane	3.962	63	72328	6.995 ppbv #	22
41) Tetrahydrofuran	3.069	42	6042	0.510 ppbv #	91
43) Methyl Methacrylate	4.891	69	48265	4.447 ppbv	98
52) Tetrachloroethene	8.231	164	32112	3.073 ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	8903	0.707 ppbv #	1
58) Ethyl Benzene	9.532	91	2228	0.052 ppbv	94
59) m/p-Xylene	9.532	91	2228	0.067 ppbv #	59
60) o-Xylene	9.969	91	1329	0.040 ppbv	92
61) Styrene	9.875	104	664	0.042 ppbv #	52
65) tert-Butylbenzene	11.788	119	132855	2.970 ppbv #	24
67) sec-Butylbenzene	11.791	105	35727	0.568 ppbv #	71
69) p-Isopropyltoluene	11.927	119	1867	0.035 ppbv #	68
74) 1,2,4-Trimethylbenzene	11.539	105	1747	0.046 ppbv #	68
75) 1,3-Dichlorobenzene	11.610	146	1995	0.083 ppbv #	72
76) 1,4-Dichlorobenzene	11.678	146	29939	1.251 ppbv	97
77) 1,2-Dichlorobenzene	11.678	146	29939	1.286 ppbv	97

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042632.D
Acq On    : 16 Jun 2025  16:53
Operator  : SY/MD
Sample    : Q2317-05 4X
Misc      : 400mL/MSVOA_L
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Jun 17 03:08:00 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
```

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

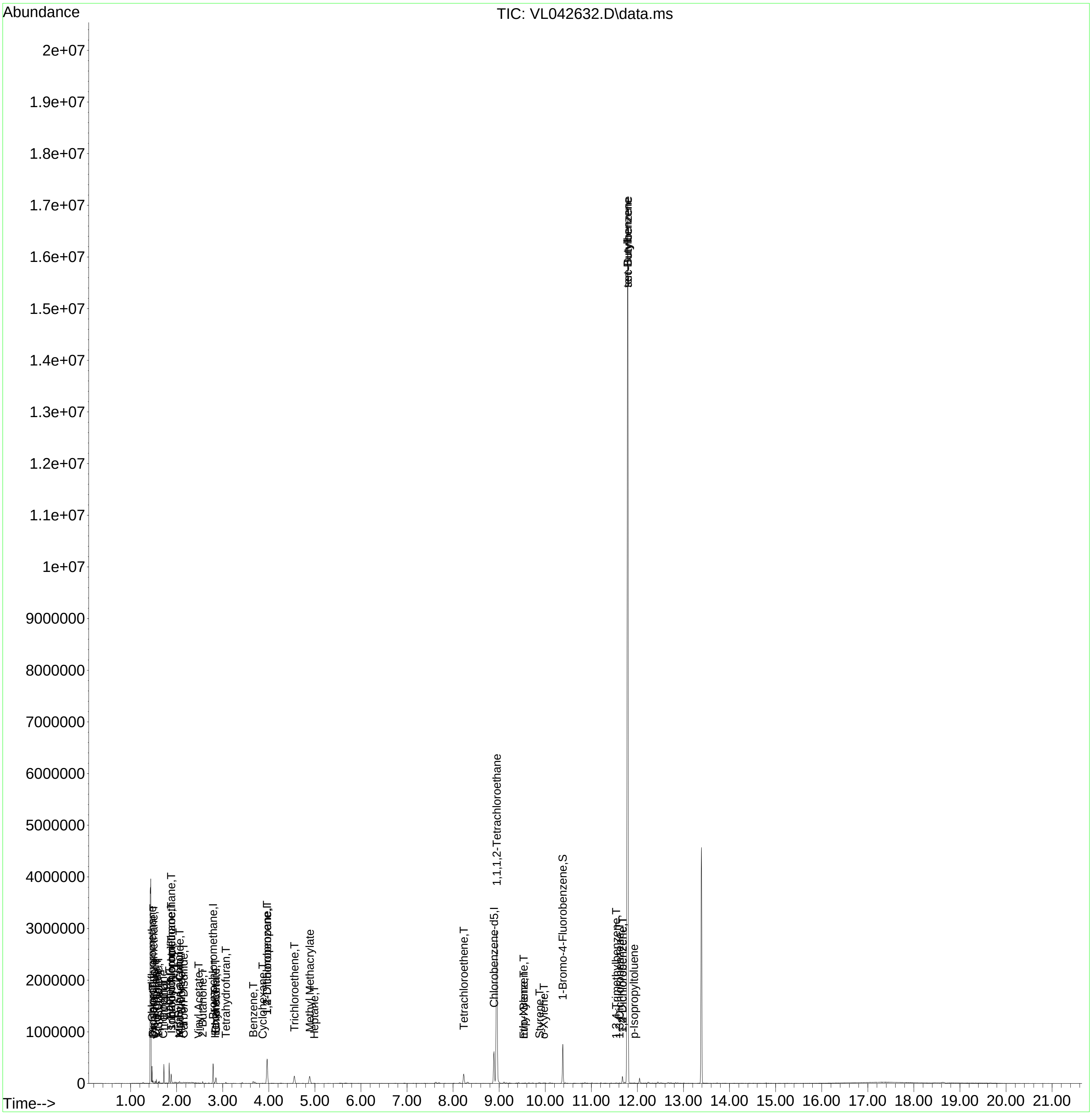
```
        Compound                   R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

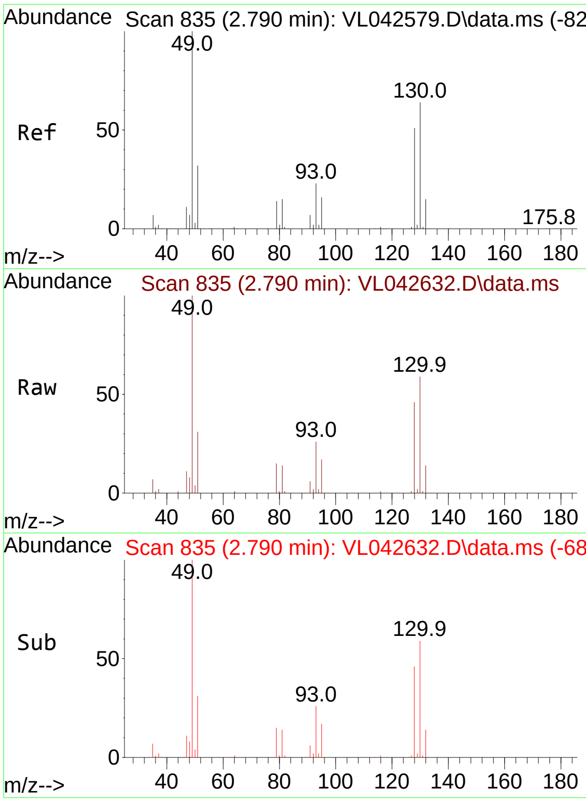
Quantitation Report   (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042632.D
Acq On   : 16 Jun 2025 16:53
Operator : SY/MD
Sample   : Q2317-05 4X
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Quant Time: Jun 17 03:08:00 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



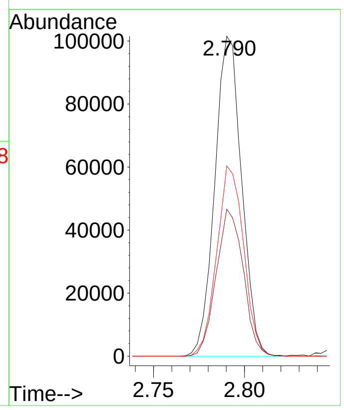


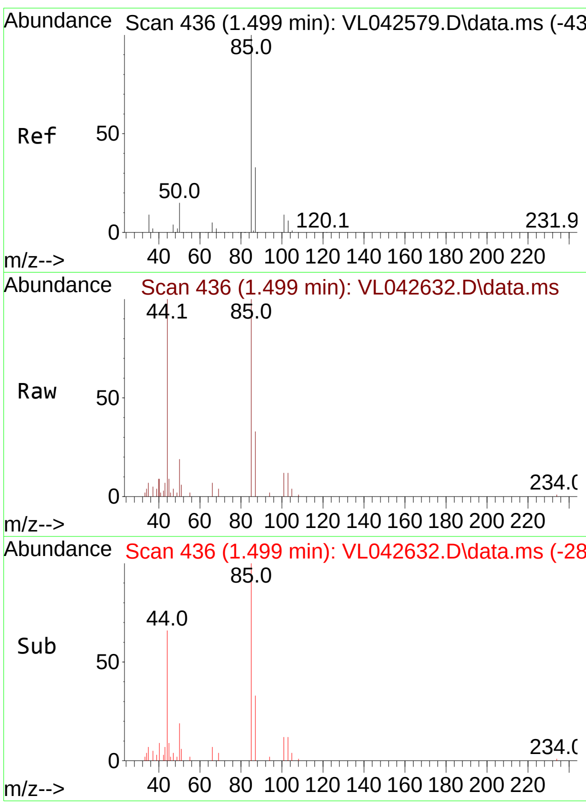
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 49 Resp: 104277

Ion	Ratio	Lower	Upper
49	100		
128	46.3	24.2	72.6
130	59.5	30.4	91.2

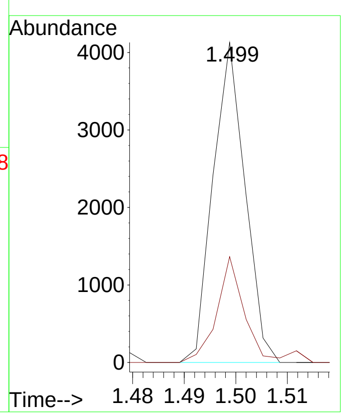


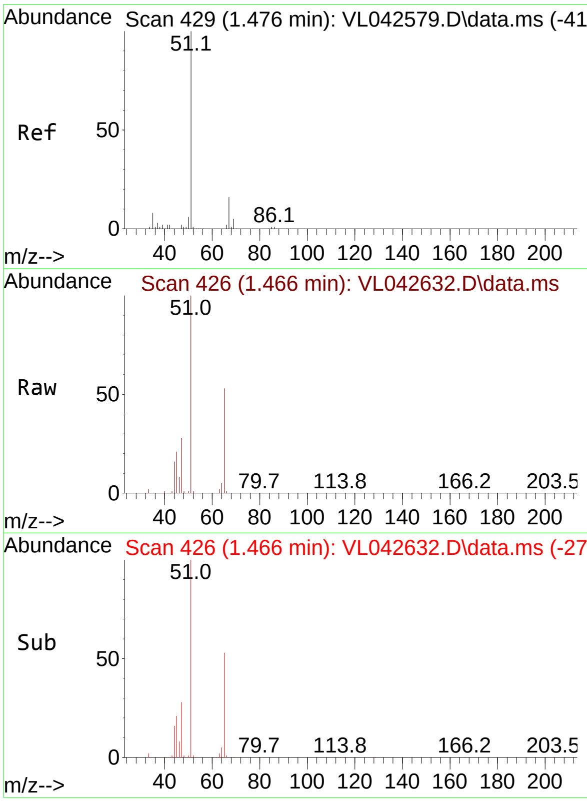


#2
Dichlorodifluoromethane
Concen: 0.139 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 85 Resp: 1782

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.6	39.8



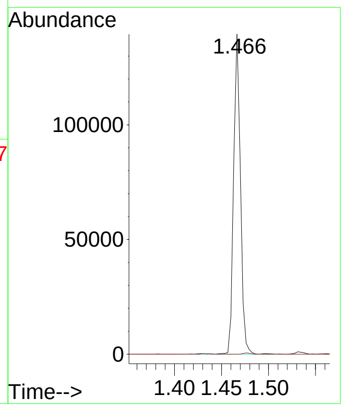


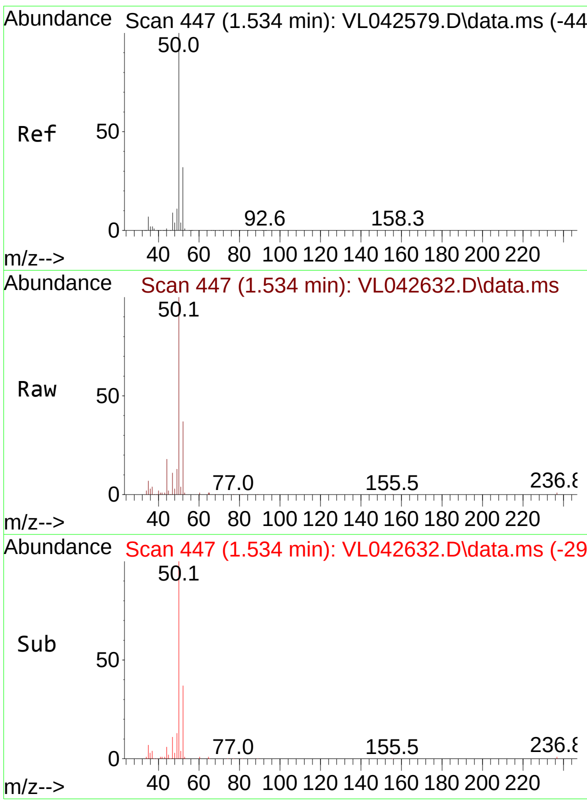
#3
Chlorodifluoromethane
Concen: 3.999 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 51 Resp: 70589

Ion	Ratio	Lower	Upper
51	100		
67	0.4	13.4	20.2#

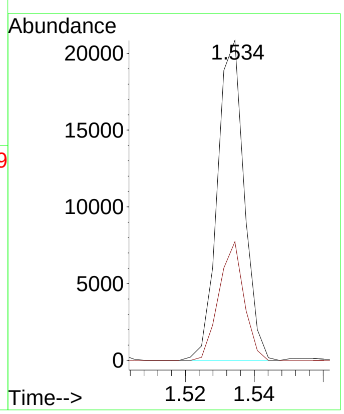


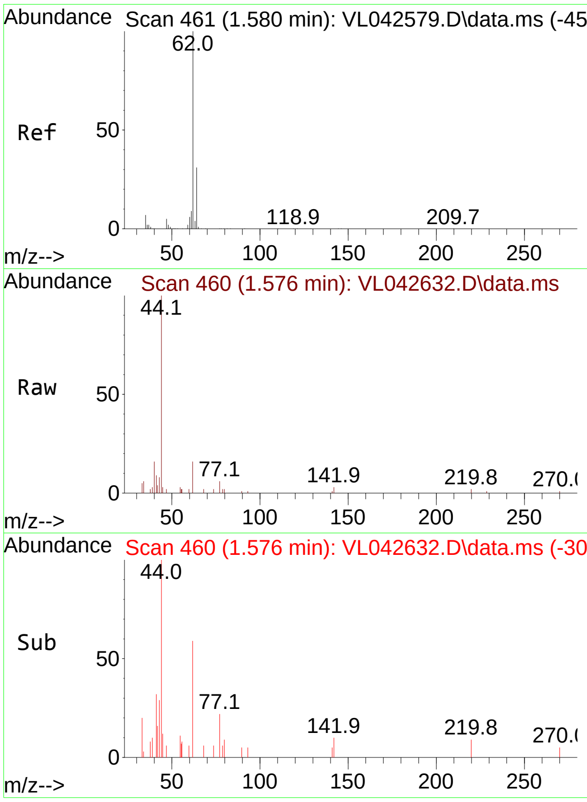


#4
Chloromethane
Concen: 2.226 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 50 Resp: 11295

Ion	Ratio	Lower	Upper
50	100		
52	37.1	25.8	38.6



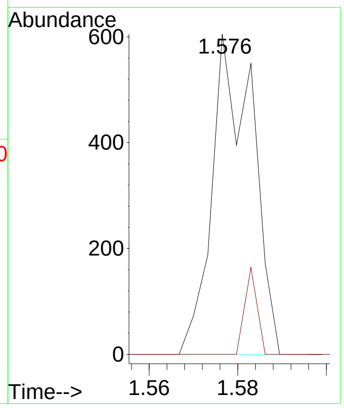


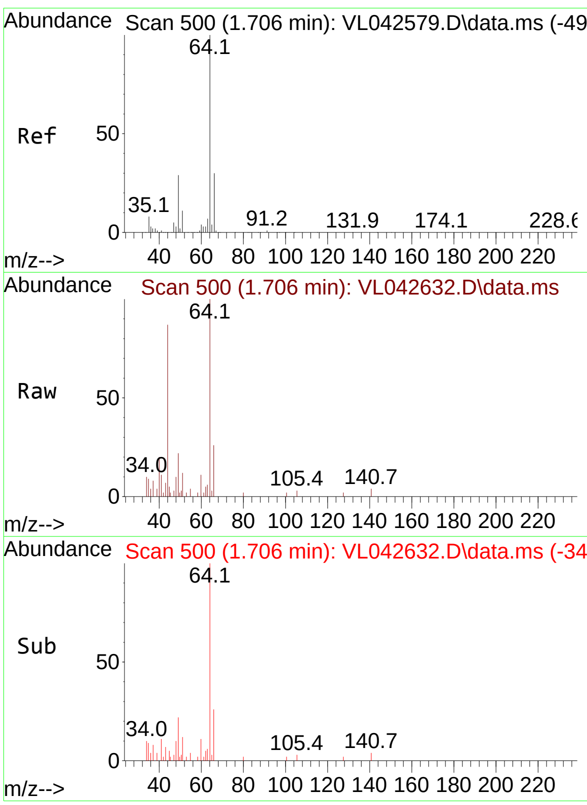
#5
Vinyl Chloride
Concen: 0.074 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 62 Resp: 385

Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.9	37.3#

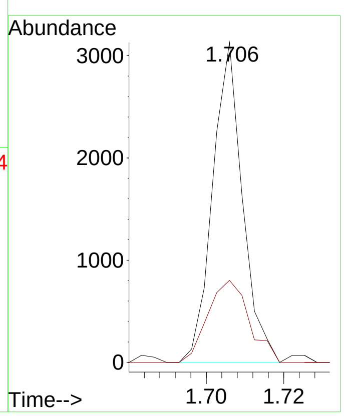


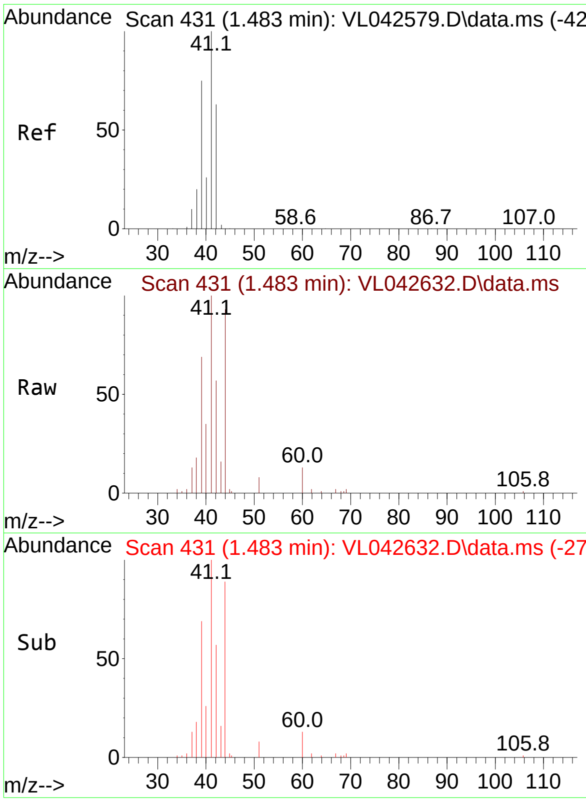


#7
Chloroethane
Concen: 0.833 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 64 Resp: 1674

Ion	Ratio	Lower	Upper
64	100		
66	25.6	24.3	36.5



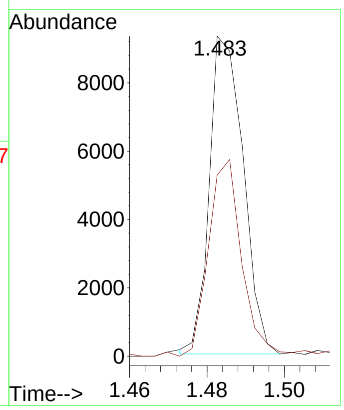


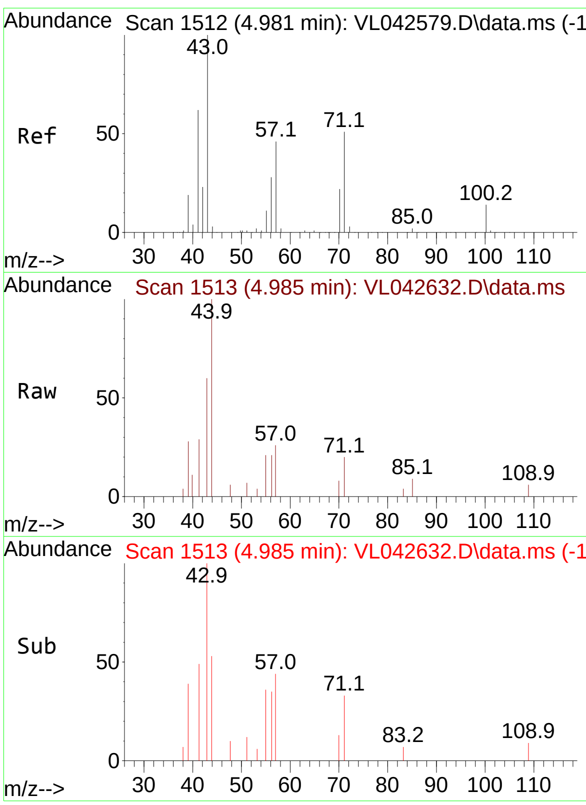
#9
Propene
Concen: 0.796 ppbv
RT: 1.483 min   Scan# 4
Delta R.T.   -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 41 Resp: 5661

Ion	Ratio	Lower	Upper
41	100		
42	69.6	53.3	79.9

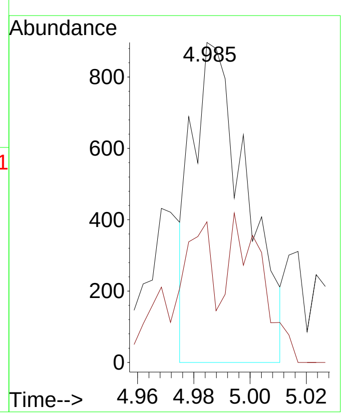


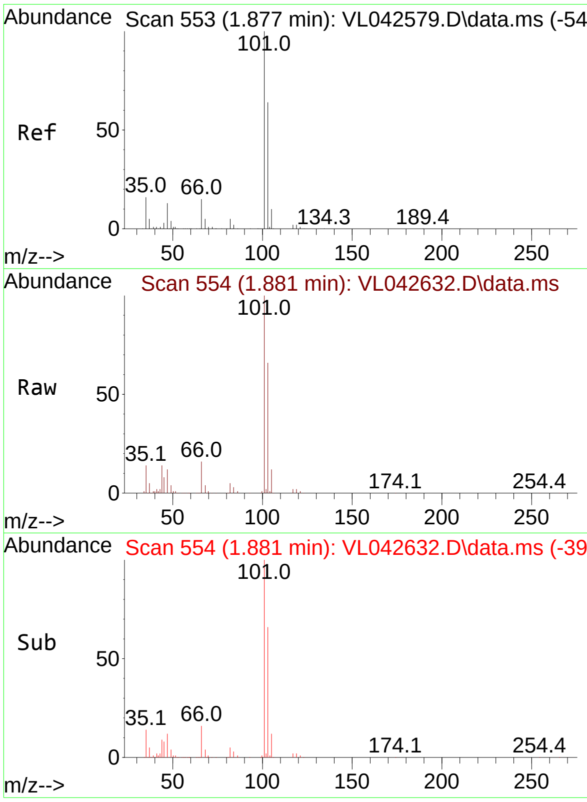


#10
Heptane
Concen: 0.059 ppbv
RT: 4.985 min   Scan# 1513
Delta R.T.   0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion: 43 Resp: 1191

Ion	Ratio	Lower	Upper
43	100		
57	65.5	38.9	58.3#



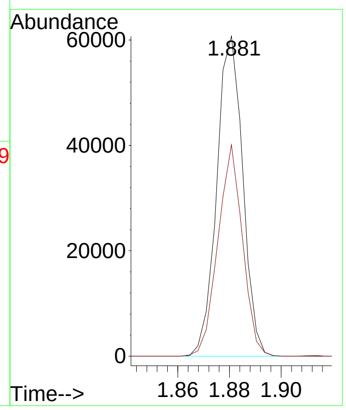


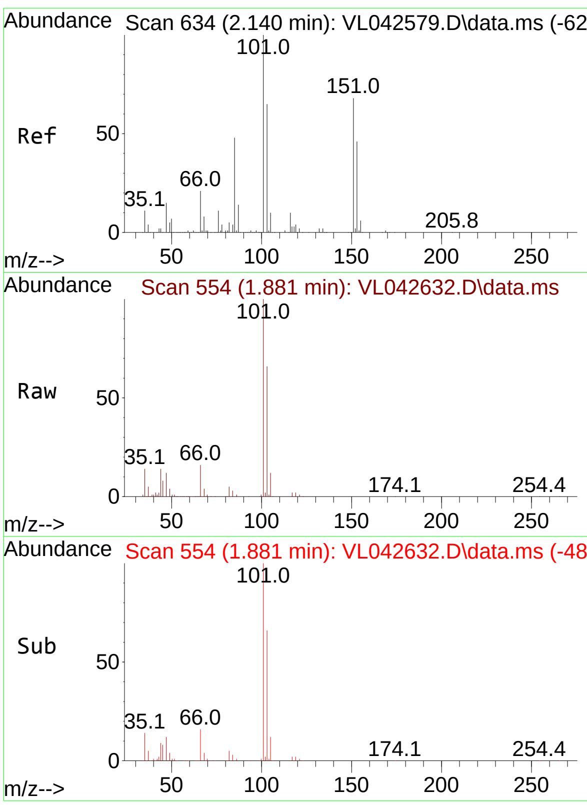
#11
Trichlorofluoromethane
Concen: 3.562 ppbv
RT: 1.881 min Scan# 5!
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:101 Resp: 42477

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

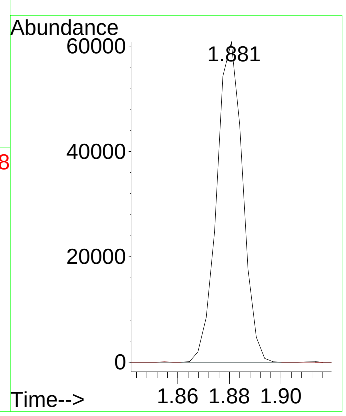


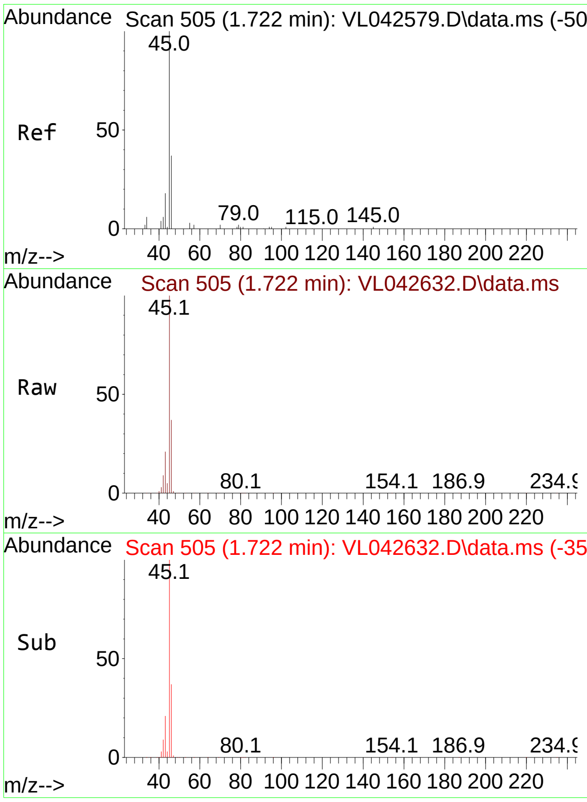


#12
1,1,2-Trichlorotrifluoroethane
Concen: 4.536 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.259 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:101 Resp: 42477

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.3	82.9#



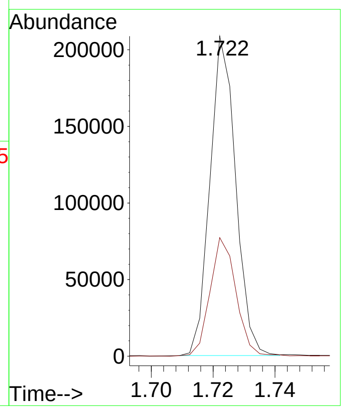


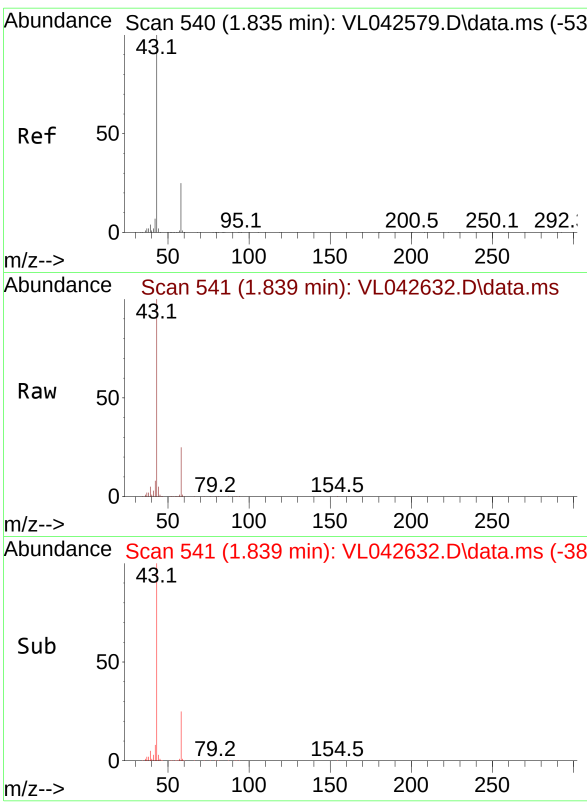
#13
Ethanol
Concen: 142.401 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 45 Resp: 120630

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.5	58.1

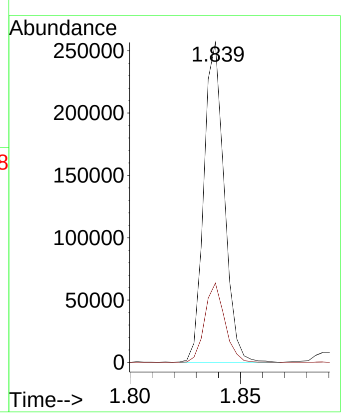


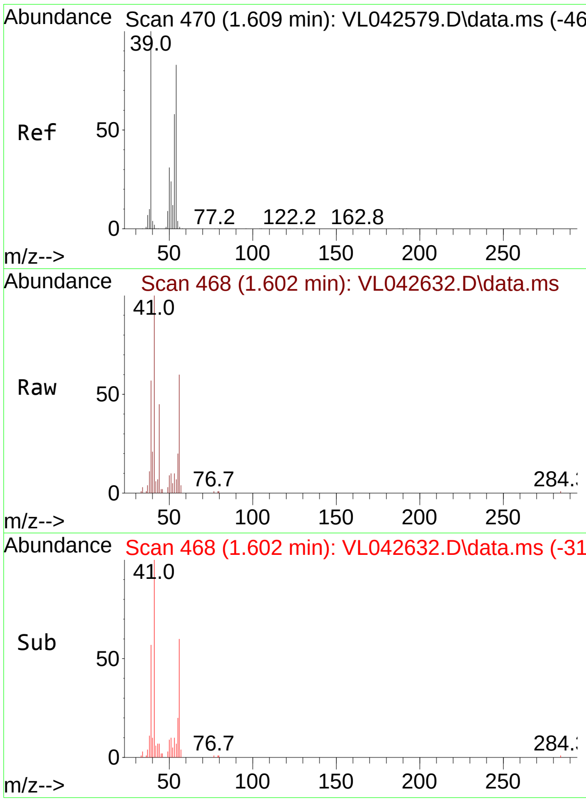


#15
Acetone
Concen: 13.172 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 43 Resp: 165449

Ion	Ratio	Lower	Upper
43	100		
58	24.4	21.0	31.4



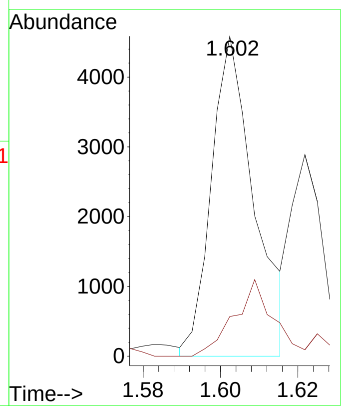


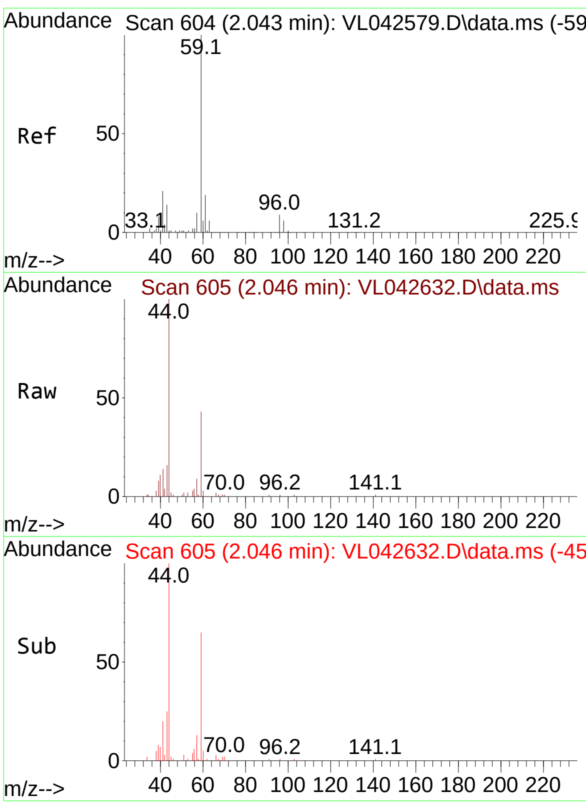
#16
1,3-Butadiene
Concen: 0.589 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 39 Resp: 3503

Ion	Ratio	Lower	Upper
39	100		
54	28.6	57.9	86.9#

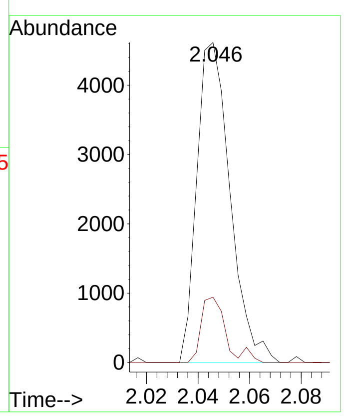


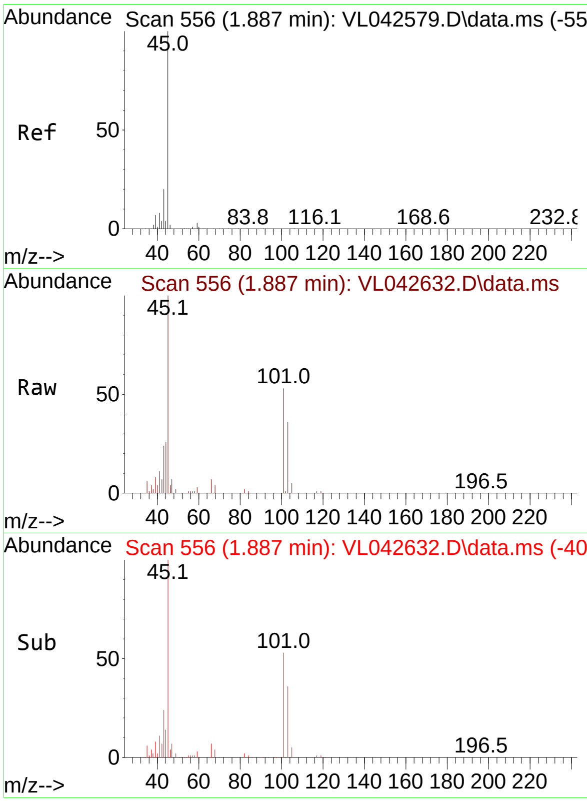


#17
tert-Butyl alcohol
Concen: 0.317 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 59 Resp: 4148

Ion	Ratio	Lower	Upper
59	100		
57	15.1	8.6	12.8#



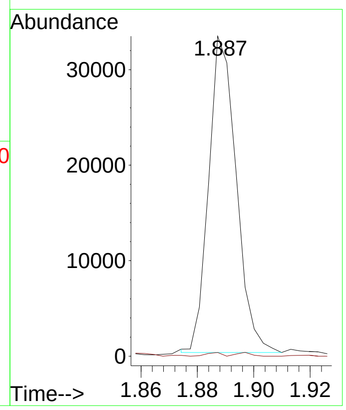


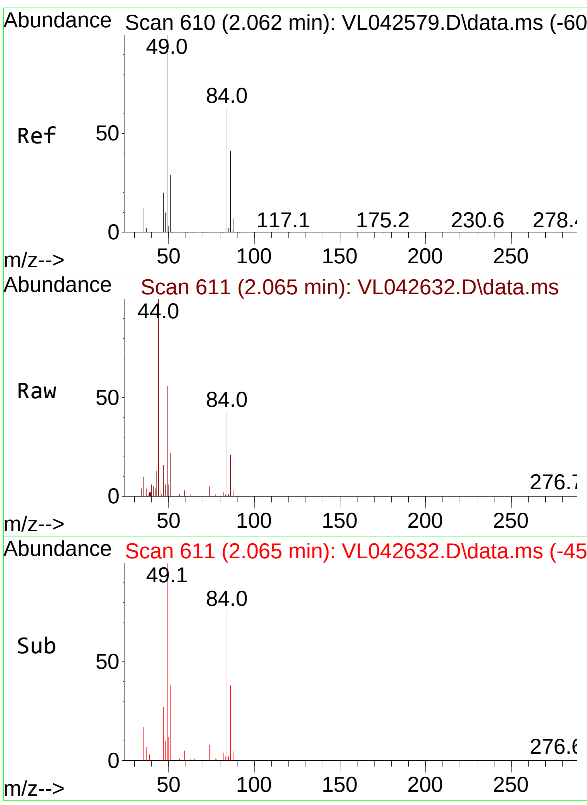
#19
Isopropyl Alcohol
Concen: 3.001 ppbv
RT: 1.887 min Scan# 5!
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 45 Resp: 22537

Ion	Ratio	Lower	Upper
45	100		
58	178.7	29.4	44.2#

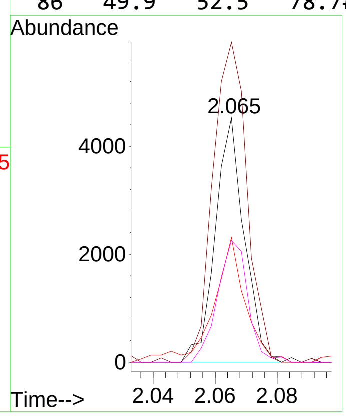


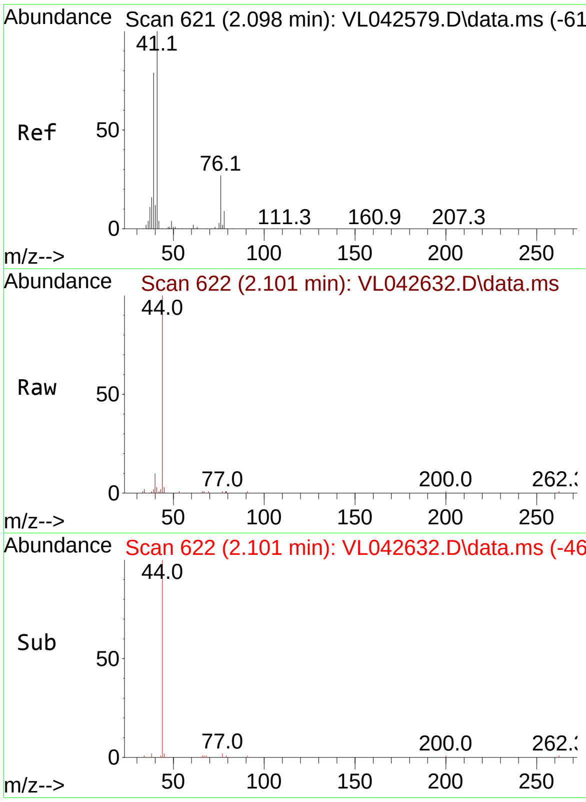


#20
Methylene Chloride
Concen: 0.710 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 84 Resp: 2944

Ion	Ratio	Lower	Upper
84	100		
49	131.1	128.8	193.2
51	48.7	38.6	57.8
86	49.9	52.5	78.7#



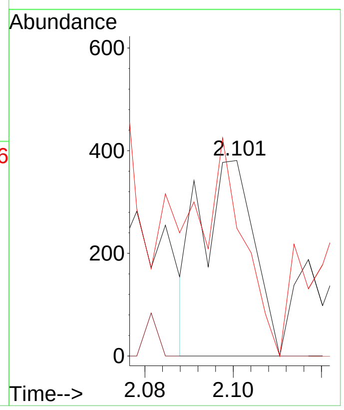


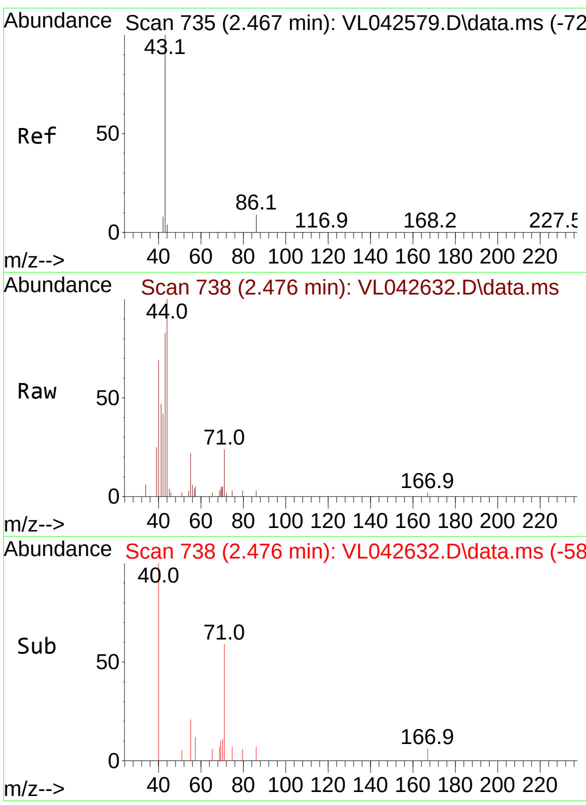
#21
Allyl Chloride
Concen: 0.036 ppbv
RT: 2.101 min   Scan# 6
Delta R.T.   0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 41 Resp: 322

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	0.0	60.9	91.3#

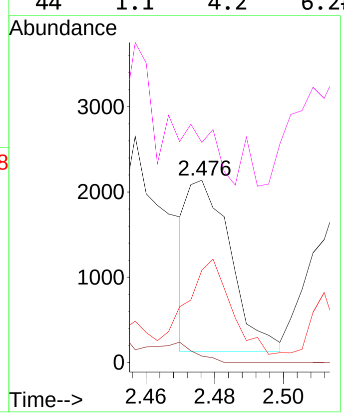


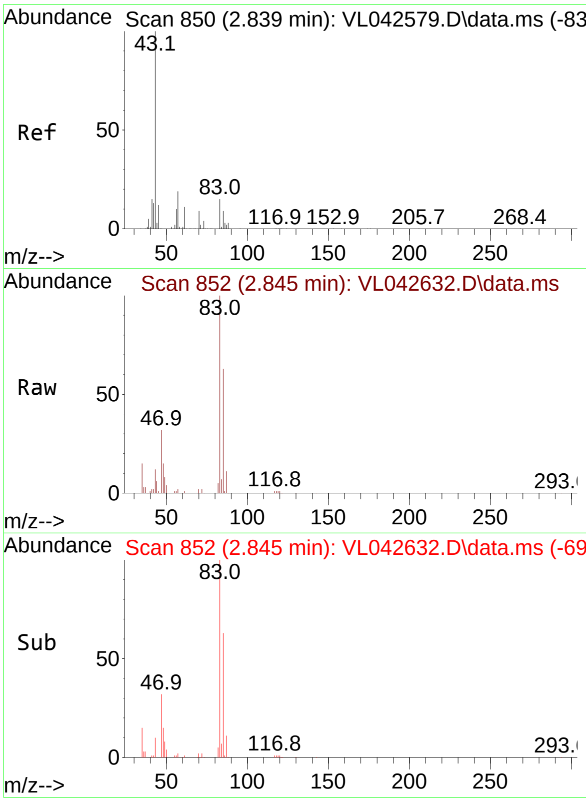


#23
Vinyl Acetate
Concen: 0.103 ppbv
RT: 2.476 min   Scan# 738
Delta R.T.   0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion: 43 Resp: 1755

Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.6	9.8#
42	50.8	7.0	10.4#
44	1.1	4.2	6.2#





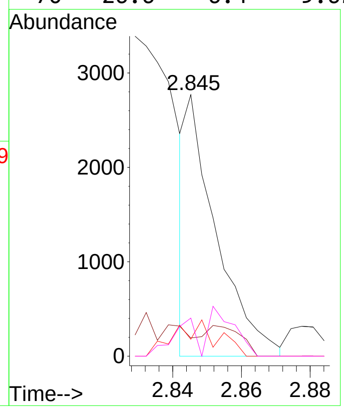
#25
Ethyl Acetate

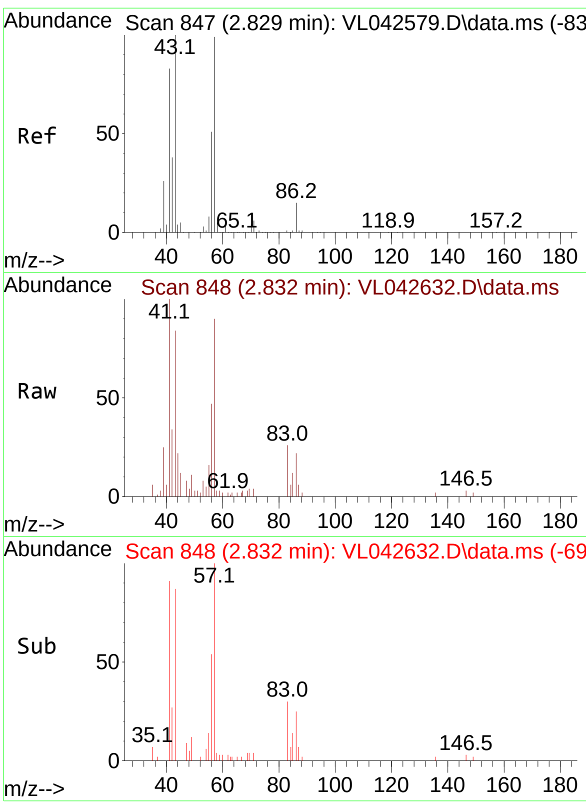
Concen:	0.050 ppbv
RT:	2.845 min Scan# 8
Delta R.T.	0.006 min
Lab File:	VL042632.D
Acq:	16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 43 Resp: 1702

Ion	Ratio	Lower	Upper
43	100		
45	24.2	8.2	12.2#
61	19.1	7.1	10.7#
70	26.6	6.4	9.6#



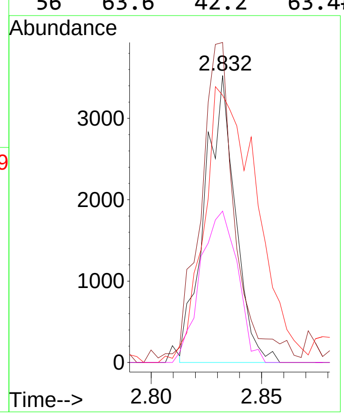


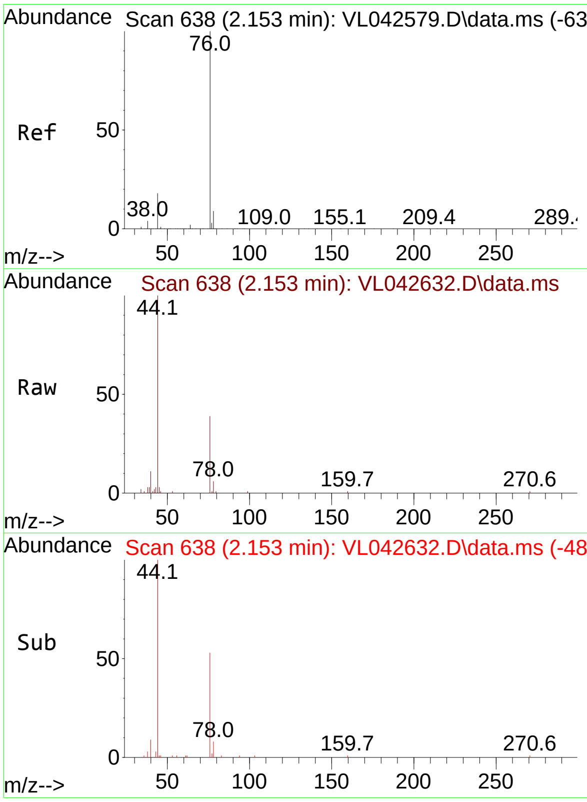
#26
Hexane

Concen:	0.220 ppbv
RT:	2.832 min Scan# 848
Delta R.T.	0.003 min
Lab File:	VL042632.D
Acq:	16 Jun 2025 16:53

Tgt Ion: 57 Resp: 3435

Ion	Ratio	Lower	Upper
57	100		
41	134.5	70.6	106.0#
43	173.6	181.1	271.7#
56	63.6	42.2	63.4#



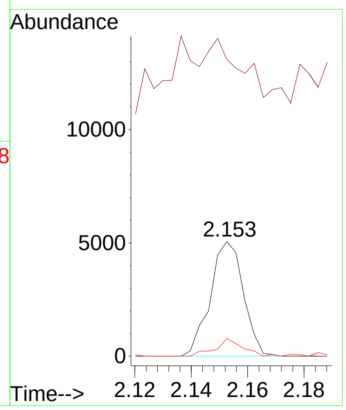


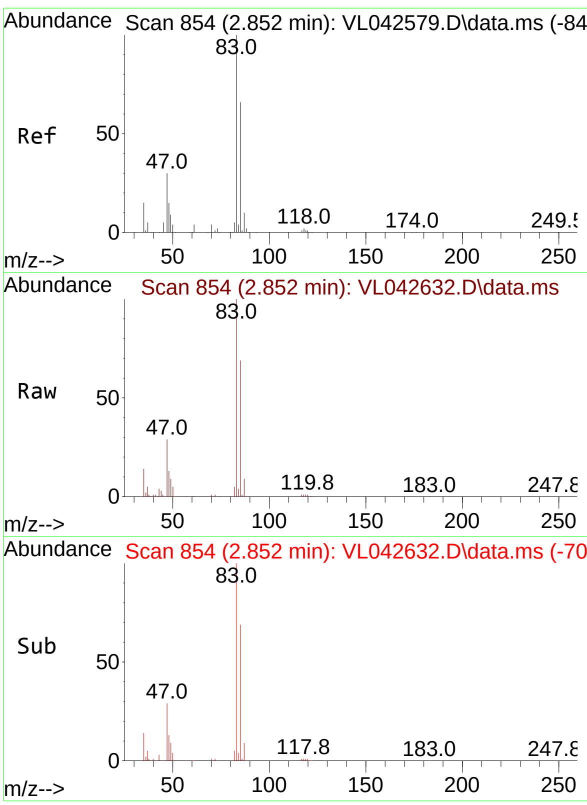
#27
Carbon Disulfide
Concen: 0.344 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 76 Resp: 4129

Ion	Ratio	Lower	Upper
76	100		
44	858.7	21.3	31.9#
78	15.8	9.4	14.0#

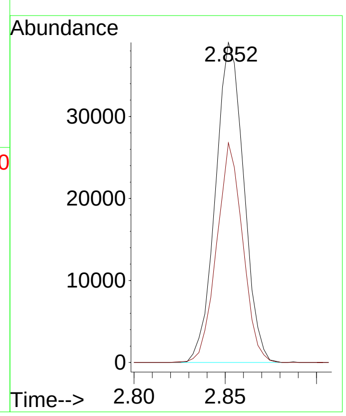


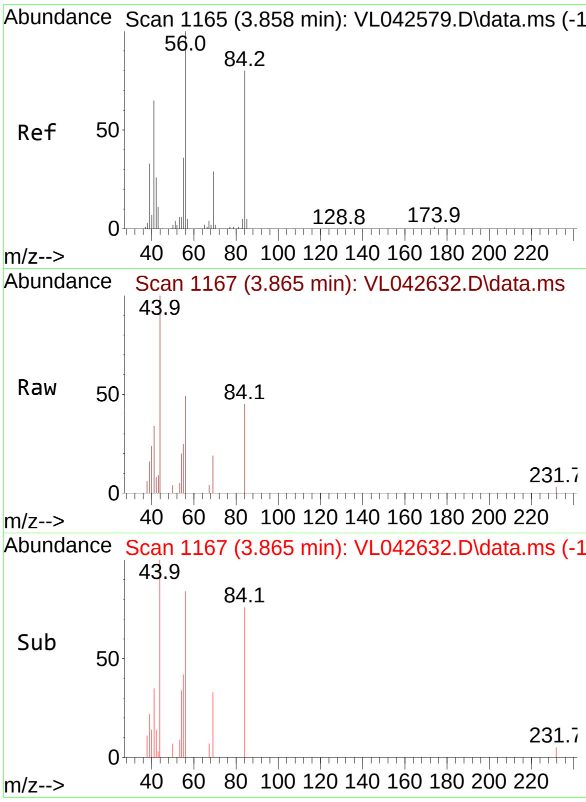


#29
Chloroform
Concen: 2.073 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 83 Resp: 42100

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.8	79.2



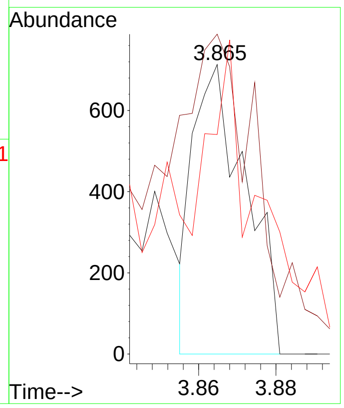


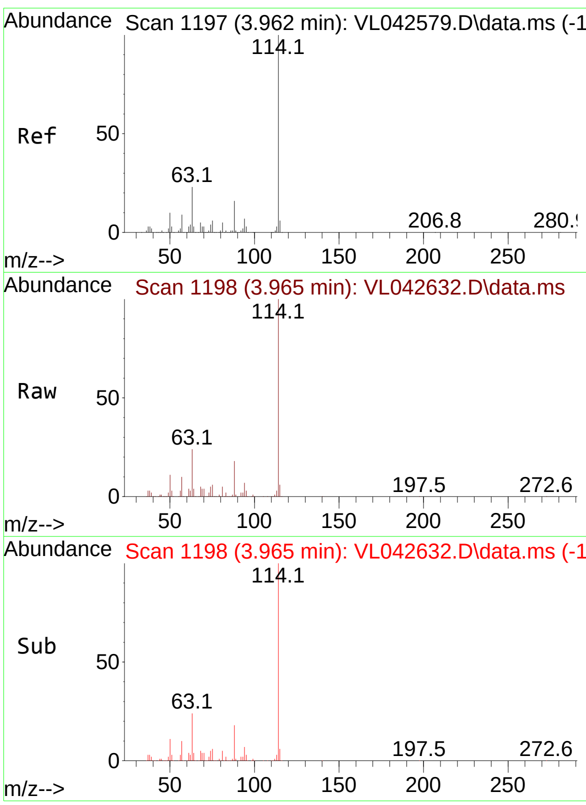
#30
Cyclohexane
Concen: 0.052 ppbv
RT: 3.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 84 Resp: 677

Ion	Ratio	Lower	Upper
84	100		
56	217.4	103.7	155.5#
41	176.5	65.1	97.7#

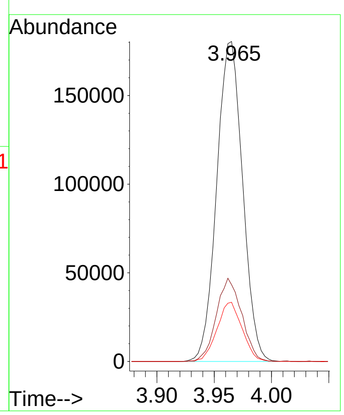


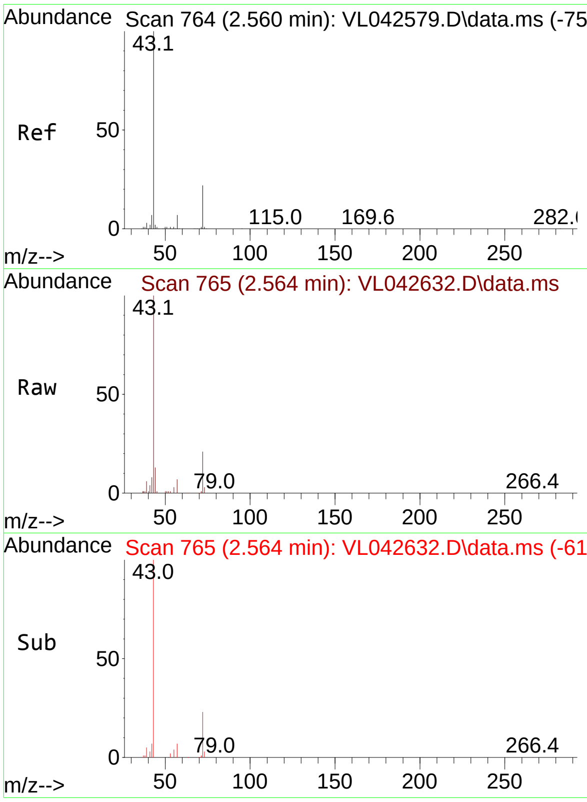


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:114 Resp: 283950

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.0	28.6
88	18.0	13.6	20.4



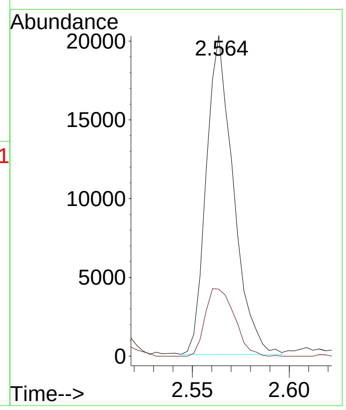


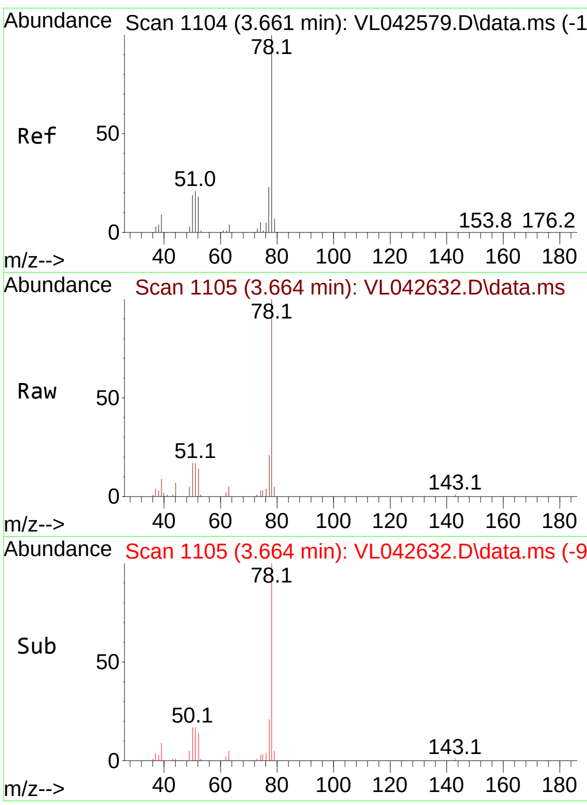
#34
2-Butanone
Concen: 0.970 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 43 Resp: 19644

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.7	26.5

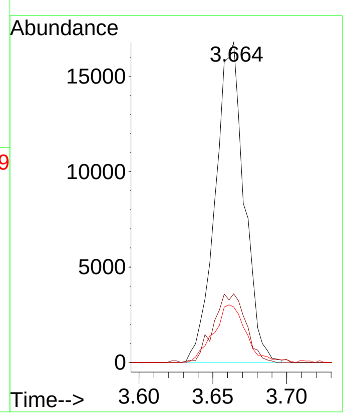


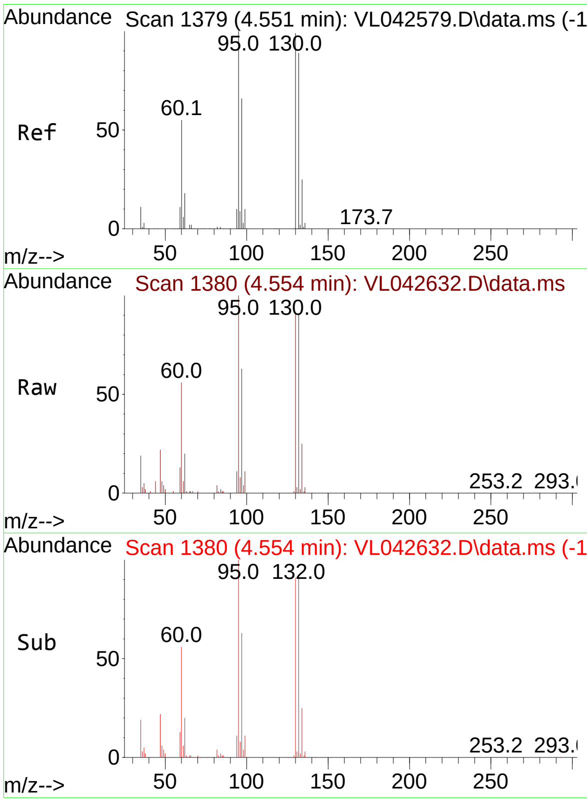


#36
Benzene
Concen: 0.819 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 78 Resp: 22890

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	17.3	15.2	22.8



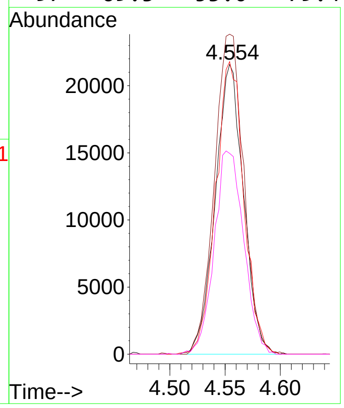


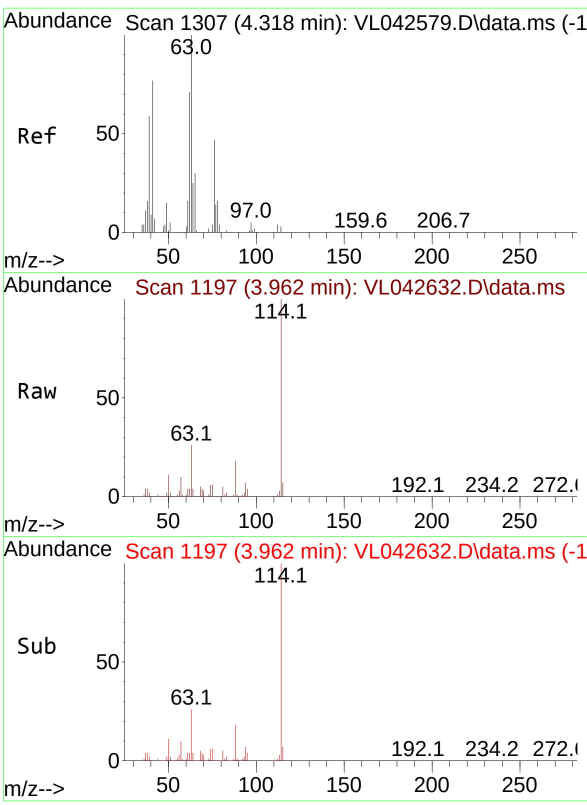
#38
Trichloroethene
Concen: 3.233 ppbv
RT: 4.554 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:130 Resp: 38427

Ion	Ratio	Lower	Upper
130	100		
95	110.5	80.6	121.0
132	101.0	71.8	107.6
97	69.3	53.0	79.4

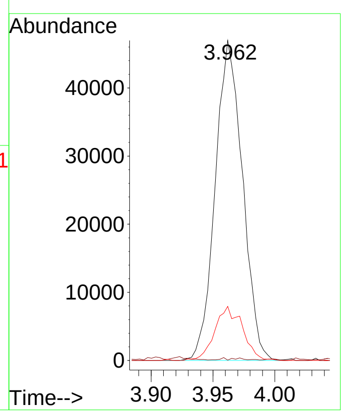


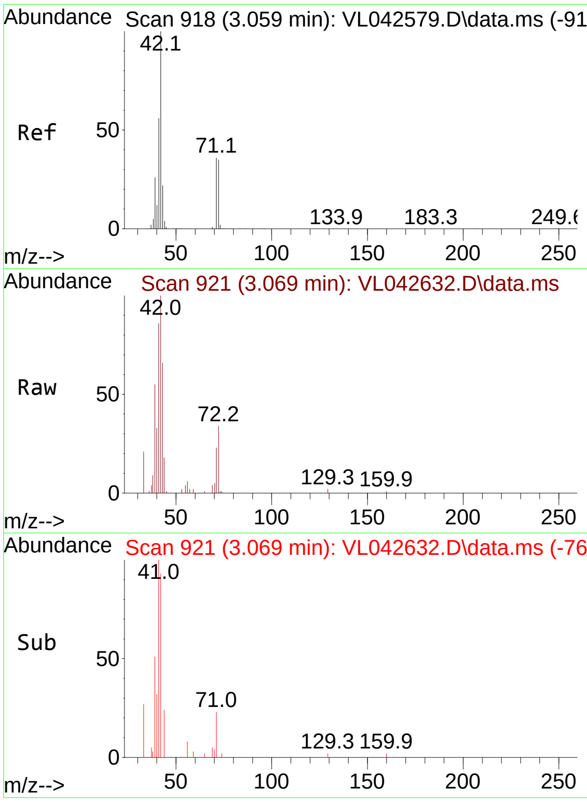


#39
1,2-Dichloropropane
Concen: 6.995 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.356 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 63 Resp: 72328

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.8	92.6#
62	16.9	56.6	85.0#



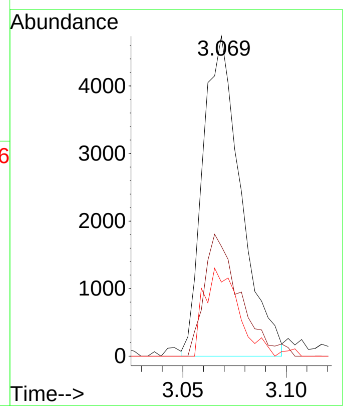


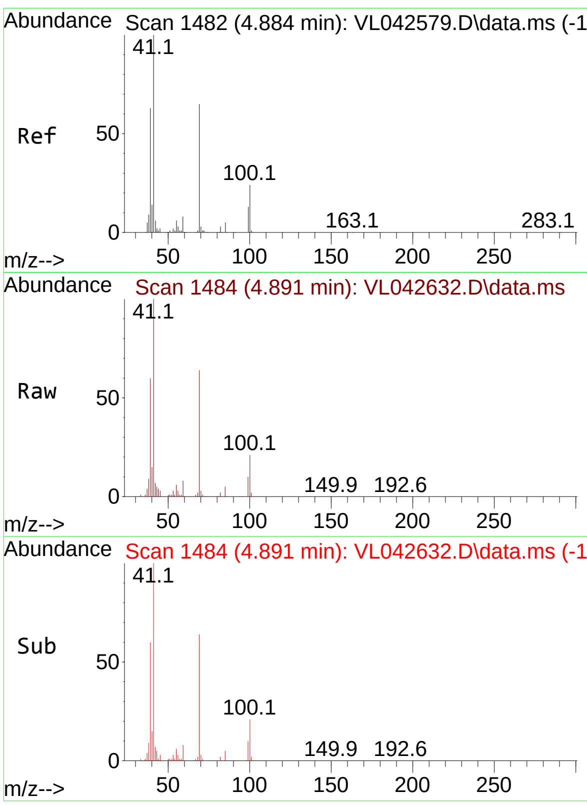
#41
Tetrahydrofuran
Concen: 0.510 ppbv
RT: 3.069 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 42 Resp: 6042

Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.9	43.3
71	25.6	28.5	42.7#

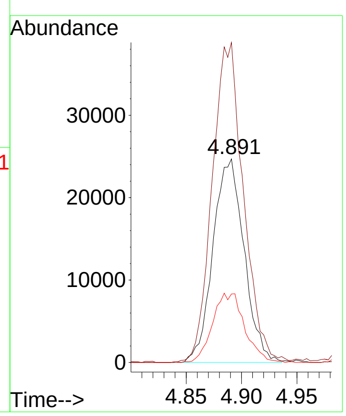


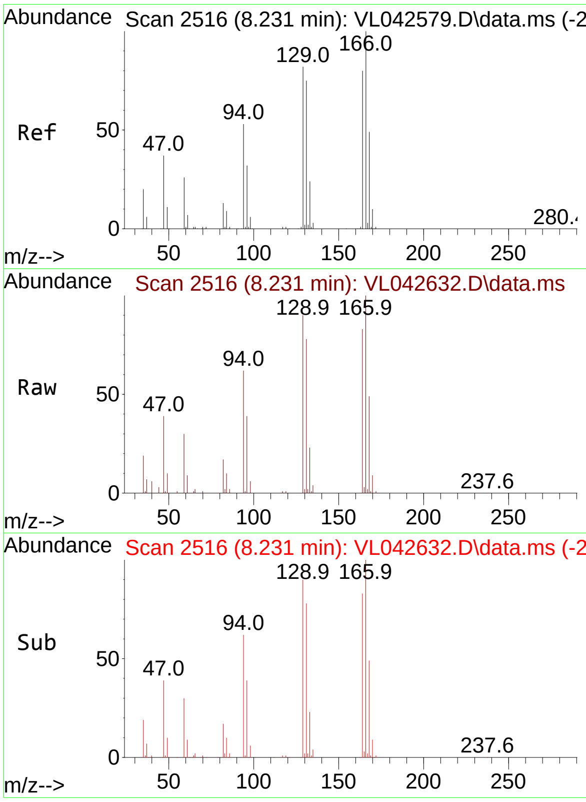


#43
Methyl Methacrylate
Concen: 4.447 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 69 Resp: 48265

Ion	Ratio	Lower	Upper
69	100		
41	158.4	124.6	187.0
100	35.2	29.9	44.9



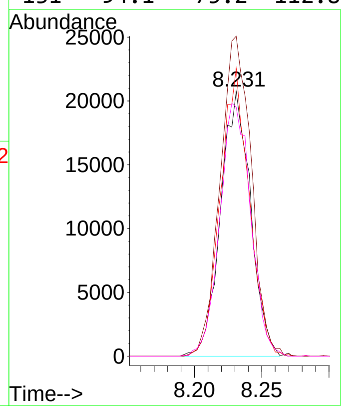


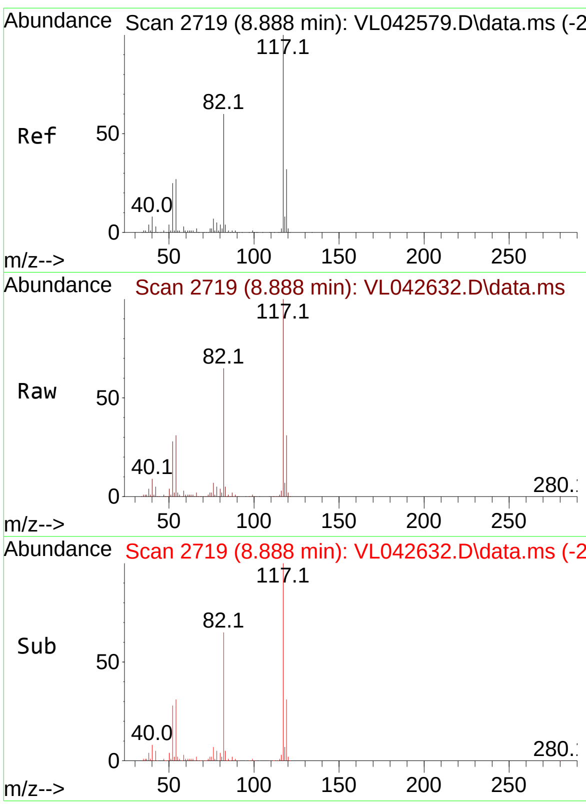
#52
Tetrachloroethene
Concen: 3.073 ppbv
RT: 8.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:164 Resp: 32112

Ion	Ratio	Lower	Upper
164	100		
166	120.9	100.0	150.0
129	108.6	82.2	123.4
131	94.1	75.2	112.8

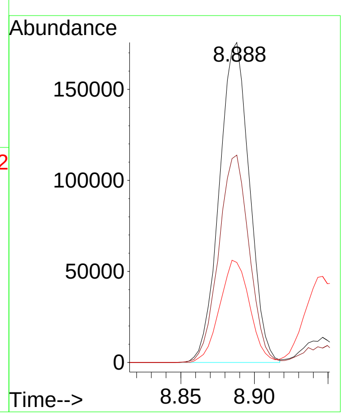


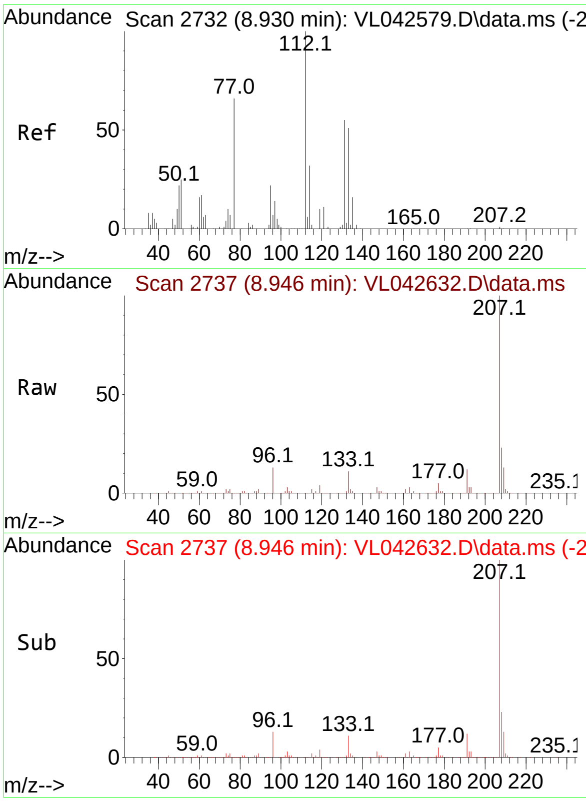


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:117 Resp: 250604

Ion	Ratio	Lower	Upper
117	100		
82	65.4	51.2	76.8
119	31.6	26.3	39.5



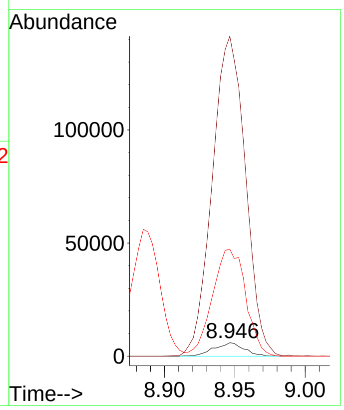


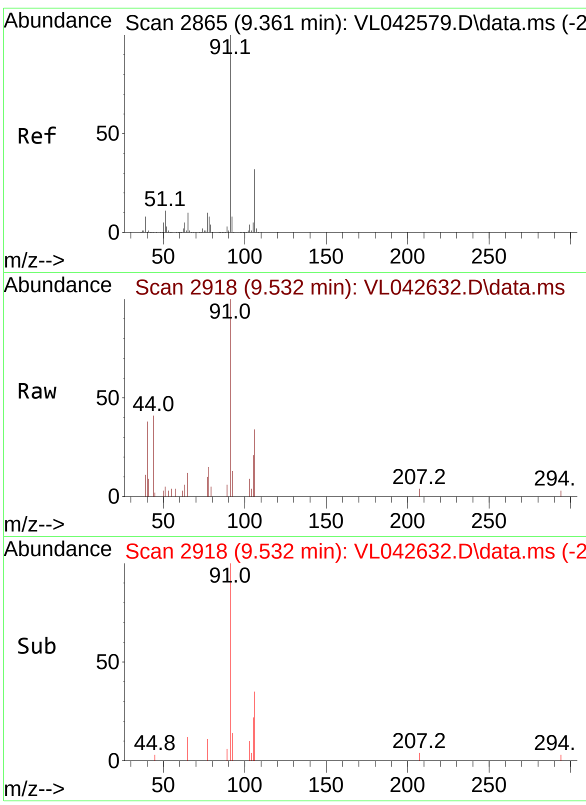
#56
1,1,1,2-Tetrachloroethane
Concen: 0.707 ppbv
RT: 8.946 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:131 Resp: 8903

Ion	Ratio	Lower	Upper
131	100		
133	2611.9	75.0	112.6#
119	872.9	50.8	76.2#

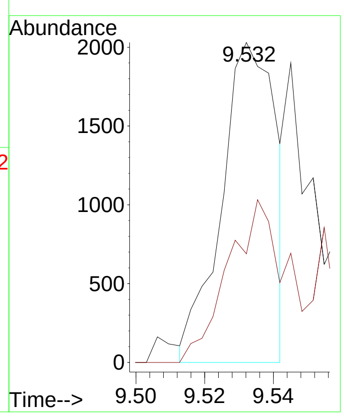


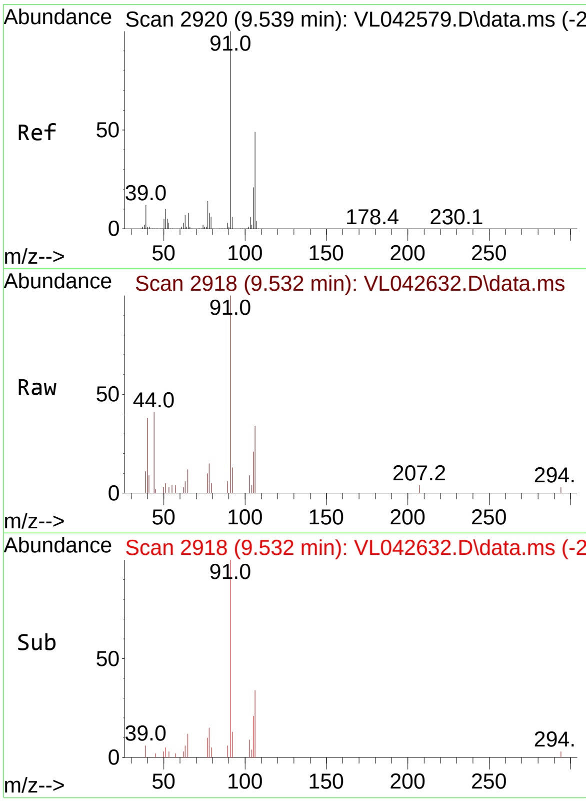


#58
Ethyl Benzene
Concen: 0.052 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. 0.172 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 91 Resp: 2228

Ion	Ratio	Lower	Upper
91	100		
106	35.8	25.9	38.9



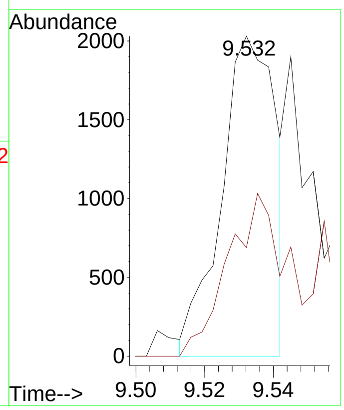


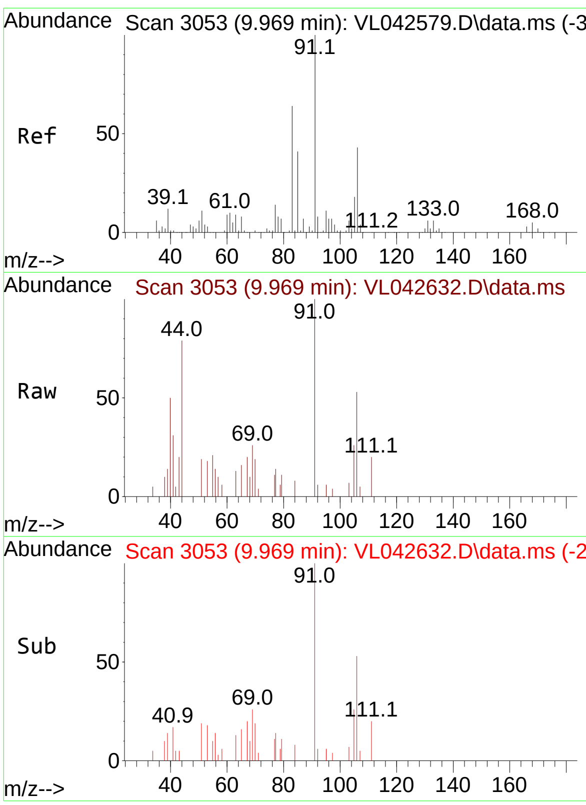
#59
m/p-Xylene
Concen: 0.067 ppbv
RT: 9.532 min   Scan# 29
Delta R.T.   -0.006 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion: 91 Resp: 2228

Ion	Ratio	Lower	Upper
91	100		
106	76.0	38.8	58.2#

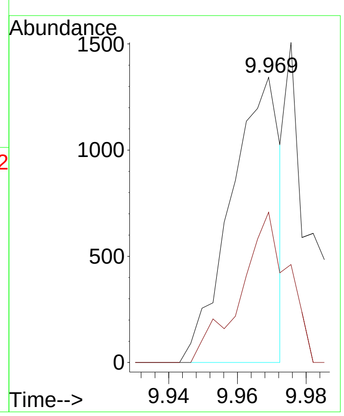


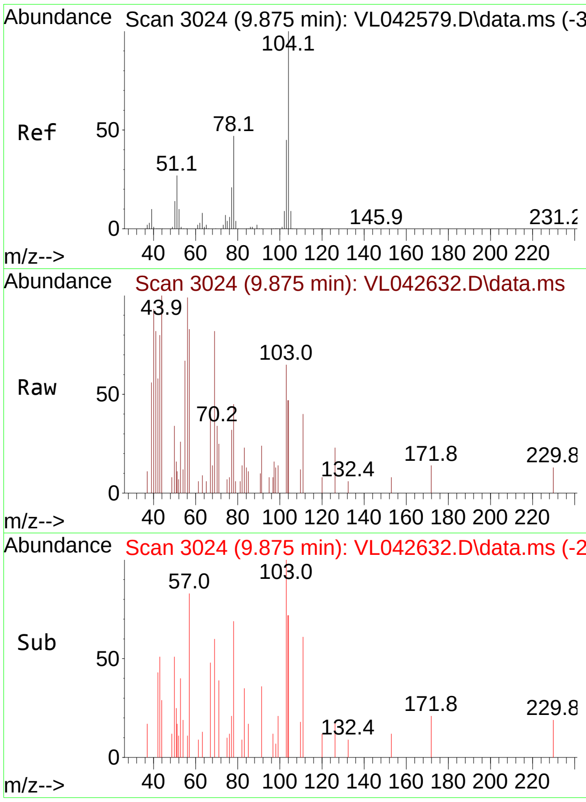


#60
o-Xylene
Concen: 0.040 ppbv
RT: 9.969 min   Scan# 3053
Delta R.T.   -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025   16:53

Tgt Ion: 91 Resp: 1329

Ion	Ratio	Lower	Upper
91	100		
106	51.2	22.9	68.5



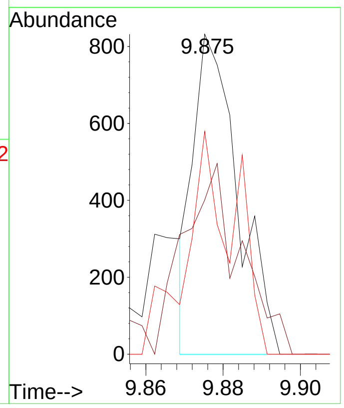


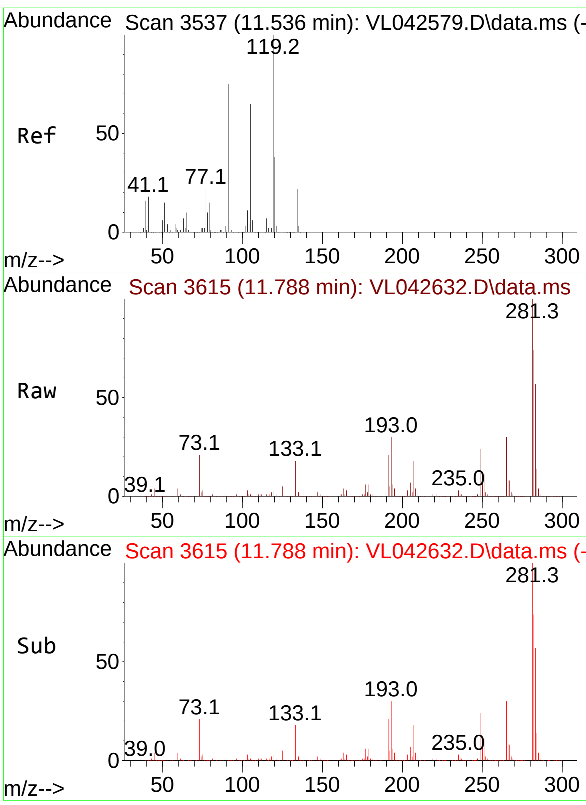
#61
Styrene
Concen: 0.042 ppbv
RT: 9.875 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:104 Resp: 664

Ion	Ratio	Lower	Upper
104	100		
78	81.2	38.2	57.4#
103	75.9	36.7	55.1#

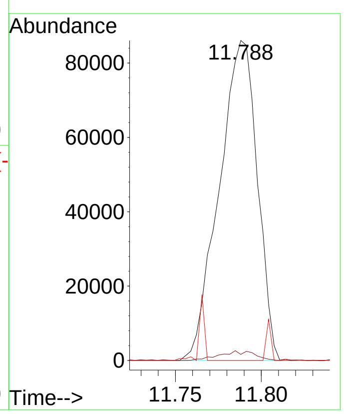




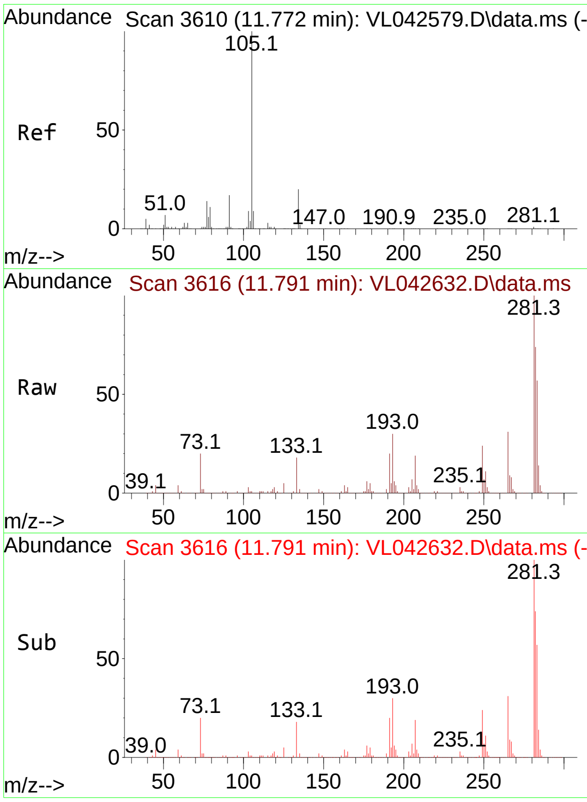
#65
tert-Butylbenzene
Concen: 2.970 ppbv
RT: 11.788 min Scan# 3615
Delta R.T. 0.252 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:119 Resp: 132855

Ion	Ratio	Lower	Upper
119	100		
91	3.0	61.1	91.7#
134	1.7	17.4	26.2#



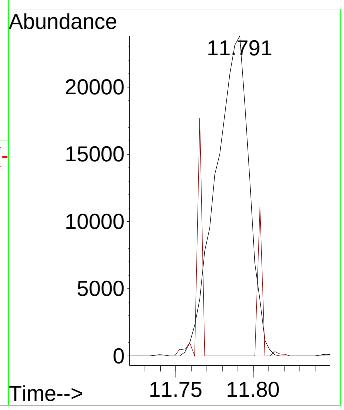
Instrument :
MSVOA_L
ClientSampleId :
115-SG2

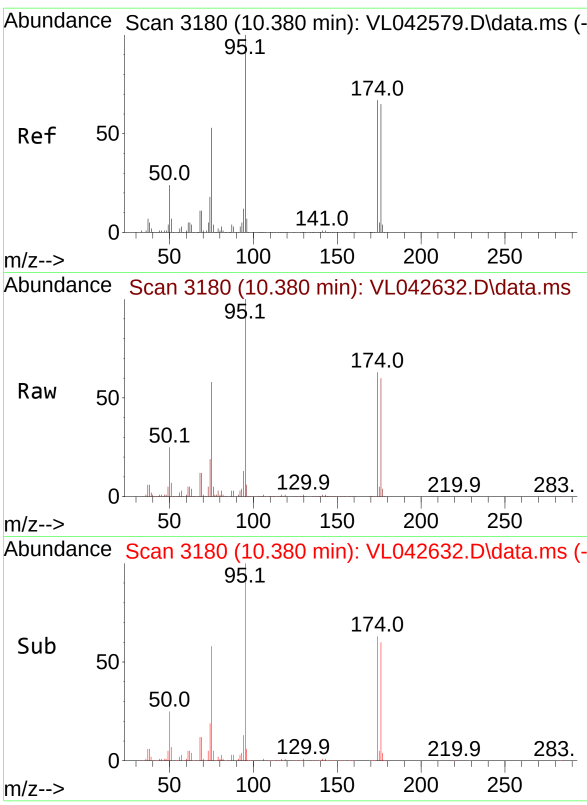


#67
sec-Butylbenzene
Concen: 0.568 ppbv
RT: 11.791 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:105 Resp: 35727

Ion	Ratio	Lower	Upper
105	100		
134	6.3	15.8	23.6#

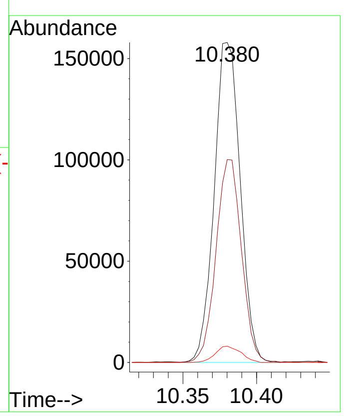


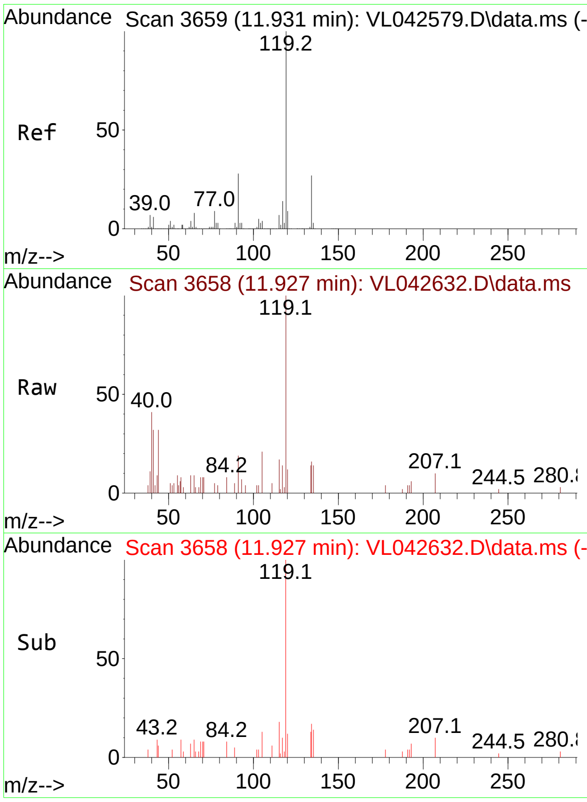


#68
1-Bromo-4-Fluorobenzene
Concen: 10.380 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion: 95 Resp: 195002

Ion	Ratio	Lower	Upper
95	100		
174	62.0	53.1	79.7
175	5.0	4.2	6.2



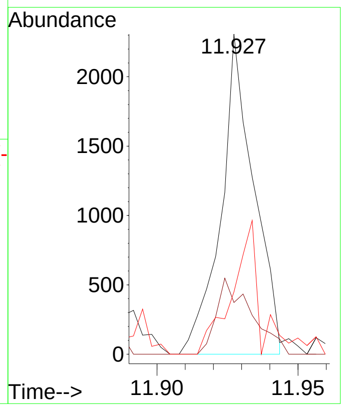


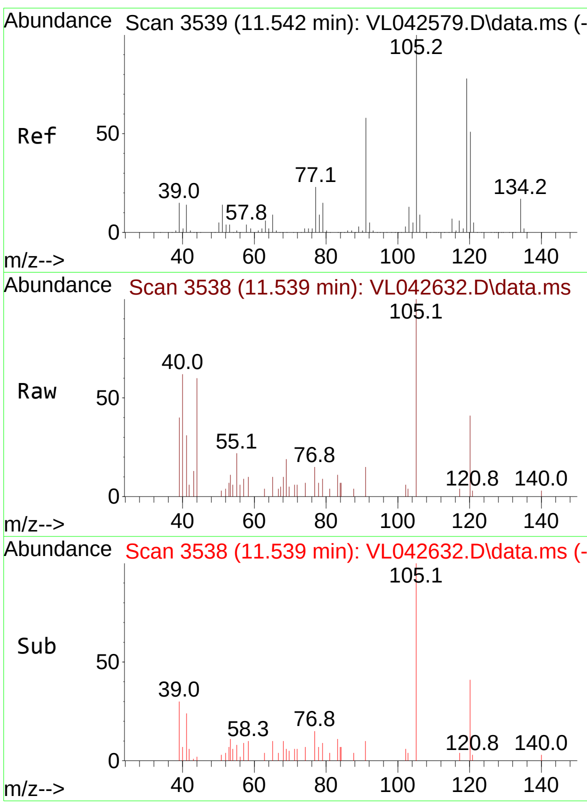
#69
p-Isopropyltoluene
Concen: 0.035 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:119 Resp: 1867

Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.1	31.7#
91	34.5	21.9	32.9#

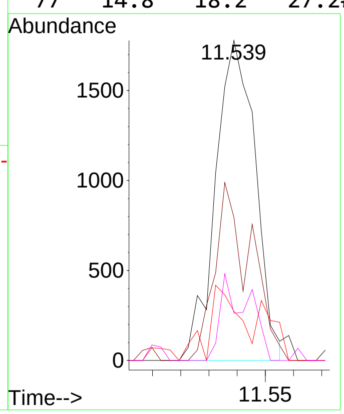


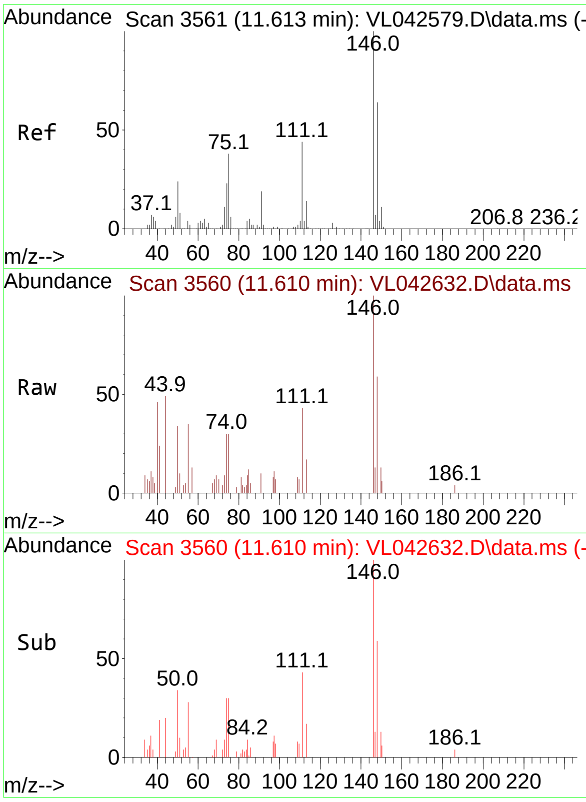


#74
1,2,4-Trimethylbenzene
Concen: 0.046 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:105 Resp: 1747

Ion	Ratio	Lower	Upper
105	100		
120	44.7	40.8	61.2
91	15.4	46.8	70.2#
77	14.8	18.2	27.2#



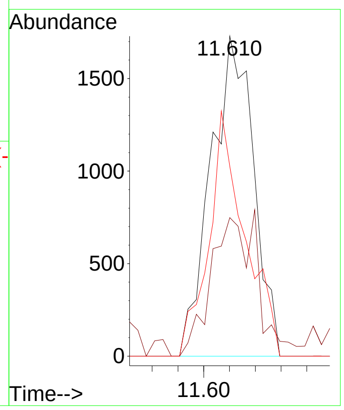


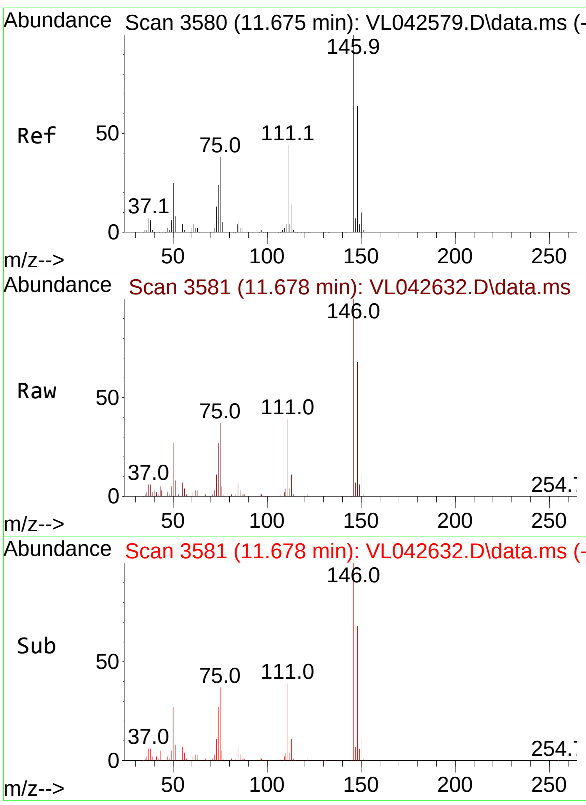
#75
1,3-Dichlorobenzene
Concen: 0.083 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:146 Resp: 1995

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.4	67.3#
148	64.0	32.0	96.2

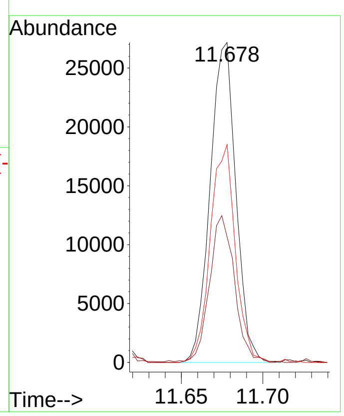


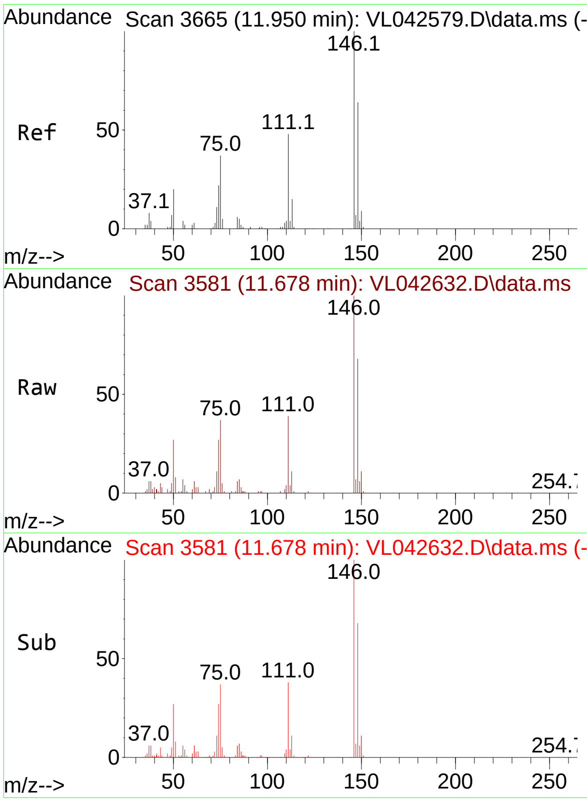


#76
1,4-Dichlorobenzene
Concen: 1.251 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Tgt Ion:146 Resp: 29939

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	64.8
148	66.4	32.1	96.5



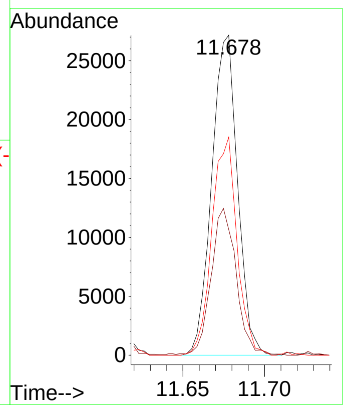


#77
1,2-Dichlorobenzene
Concen: 1.286 ppbv
RT: 11.678 min Scan# 3
Delta R.T. -0.272 min
Lab File: VL042632.D
Acq: 16 Jun 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
115-SG2

Tgt Ion:146 Resp: 29939

Ion	Ratio	Lower	Upper
146	100		
111	44.8	23.1	69.3
148	66.4	32.1	96.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042636.D
Acq On : 16 Jun 2025 19:12
Operator : SY/MD
Sample : Q2317-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Quant Time: Jun 17 03:09:39 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

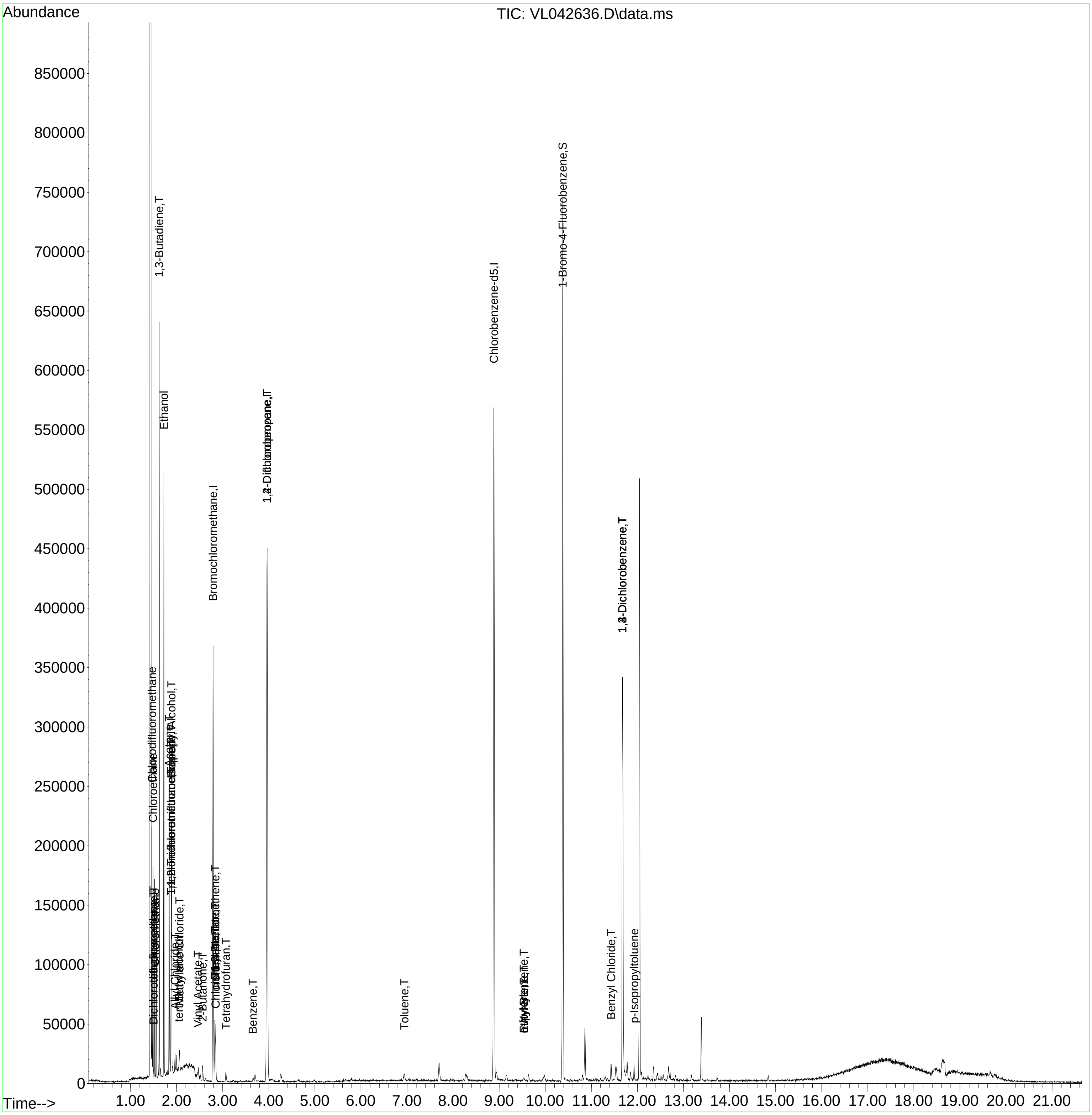
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	2.790	49	99585	10.000 ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	258626	10.000 ppbv	0.00
55) Chlorobenzene-d5	8.885	117	228826	10.000 ppbv	0.00
System Monitoring Compounds					
68) 1-Bromo-4-Fluorobenzene	10.380	95	179870	10.486 ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.900%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	1473	0.120 ppbv #	88
3) Chlorodifluoromethane	1.466	51	45239	2.684 ppbv #	62
4) Chloromethane	1.531	50	948	0.196 ppbv #	83
7) Chloroethane	1.489	64	144	0.075 ppbv #	44
8) Dichlorotetrafluoroethane	1.499	85	1473	0.144 ppbv #	20
9) Propene	1.887	41	7328	1.079 ppbv	98
11) Trichlorofluoromethane	1.881	101	19522	1.714 ppbv	95
12) 1,1,2-Trichlorotrifluo...	1.881	101	19522	2.183 ppbv #	15
13) Ethanol	1.722	45	165048	204.015 ppbv	97
15) Acetone	1.835	43	98854	8.241 ppbv	96
16) 1,3-Butadiene	1.622	39	31449	5.535 ppbv #	16
17) tert-Butyl alcohol	2.049	59	1651	0.132 ppbv #	84
19) Isopropyl Alcohol	1.887	45	76718	10.698 ppbv	91
20) Methylene Chloride	2.062	84	1690	0.427 ppbv #	81
21) Allyl Chloride	1.965	41	2294	0.271 ppbv #	48
23) Vinyl Acetate	2.460	43	3251	0.200 ppbv #	61
25) Ethyl Acetate	2.836	43	21869	0.666 ppbv #	96
26) Hexane	2.829	57	9562	0.641 ppbv #	89
29) Chloroform	2.849	83	2363	0.122 ppbv #	80
31) cis-1,2-Dichloroethene	2.839	61	809	0.059 ppbv #	23
34) 2-Butanone	2.564	43	7674	0.416 ppbv	98
36) Benzene	3.654	78	848	0.033 ppbv #	83
39) 1,2-Dichloropropane	3.962	63	66927	7.106 ppbv #	23
41) Tetrahydrofuran	3.069	42	2599	0.241 ppbv	90
53) Toluene	6.943	91	954	0.032 ppbv #	20
58) Ethyl Benzene	9.535	91	1455	0.037 ppbv	91
59) m/p-Xylene	9.535	91	1455	0.048 ppbv	93
60) o-Xylene	9.535	91	1455	0.048 ppbv	88
66) Benzyl Chloride	11.432	91	1317	0.251 ppbv #	65
69) p-Isopropyltoluene	11.931	119	3382	0.070 ppbv #	92
75) 1,3-Dichlorobenzene	11.675	146	70457	3.216 ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	70457	3.225 ppbv	98
77) 1,2-Dichlorobenzene	11.675	146	70457	3.314 ppbv	97

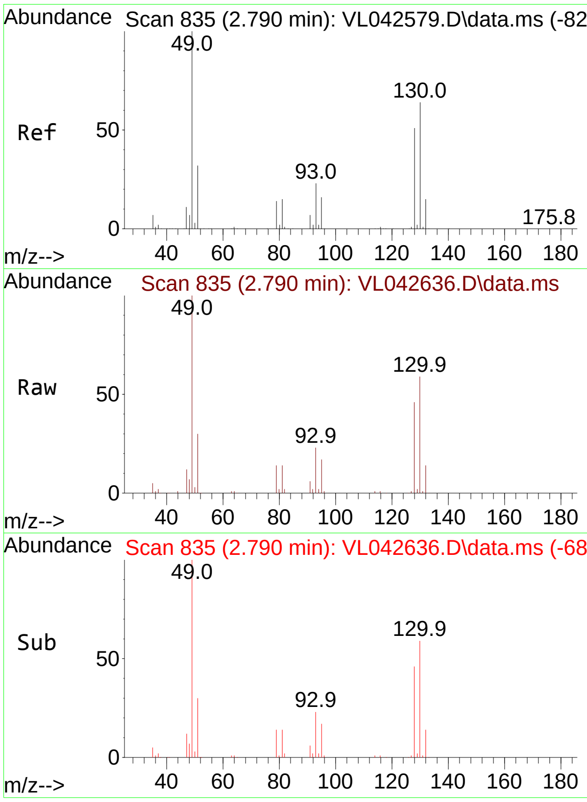
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042636.D
Acq On   : 16 Jun 2025 19:12
Operator : SY/MD
Sample   : Q2317-02DL 5X
Misc   : 400mL/MSVOA_L
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Quant Time: Jun 17 03:09:39 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



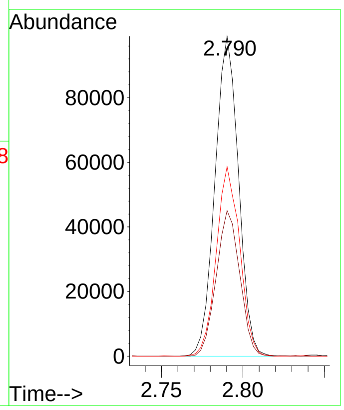


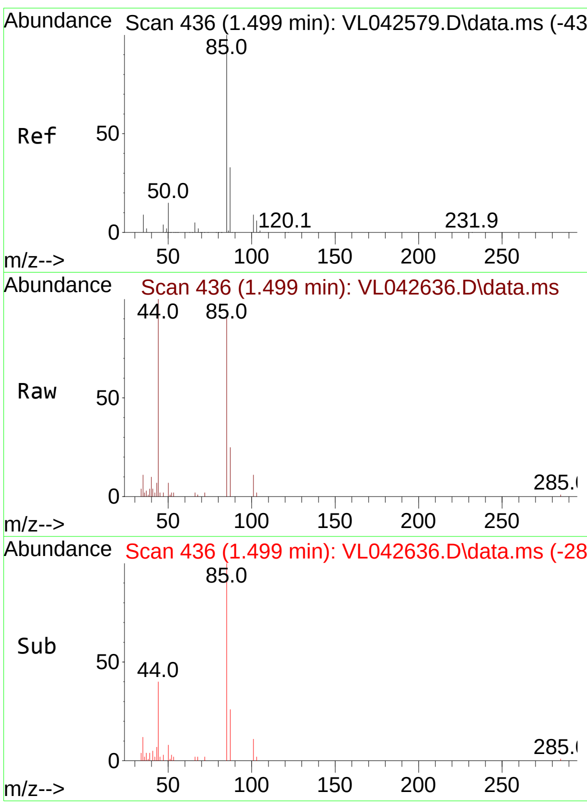
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 49 Resp: 99585

Ion	Ratio	Lower	Upper
49	100		
128	45.5	24.2	72.6
130	59.1	30.4	91.2

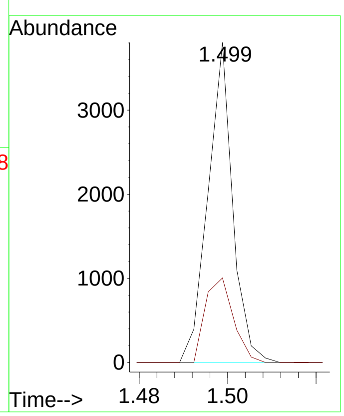


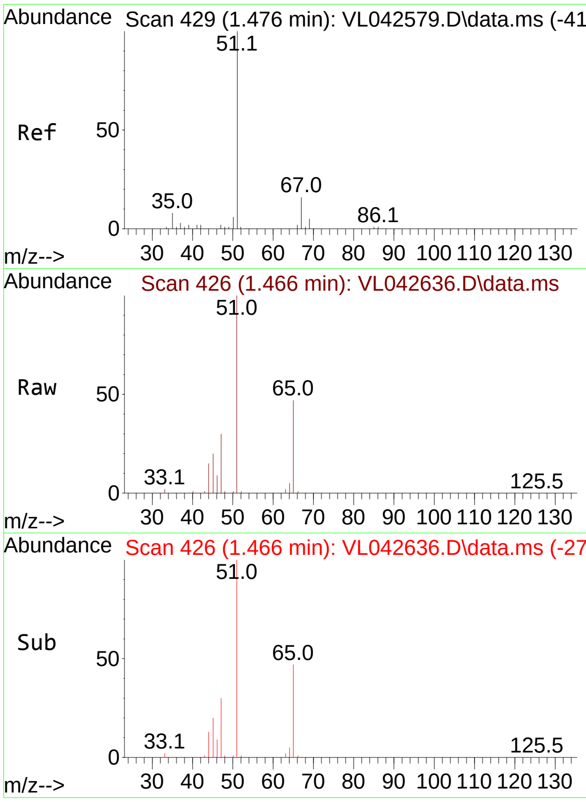


#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 85 Resp: 1473

Ion	Ratio	Lower	Upper
85	100		
87	26.4	26.6	39.8#



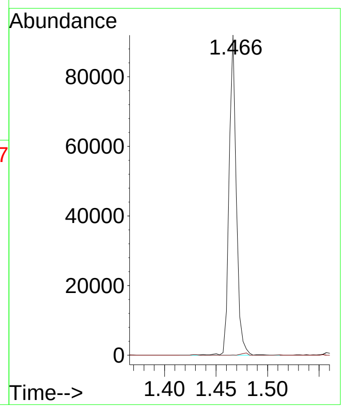


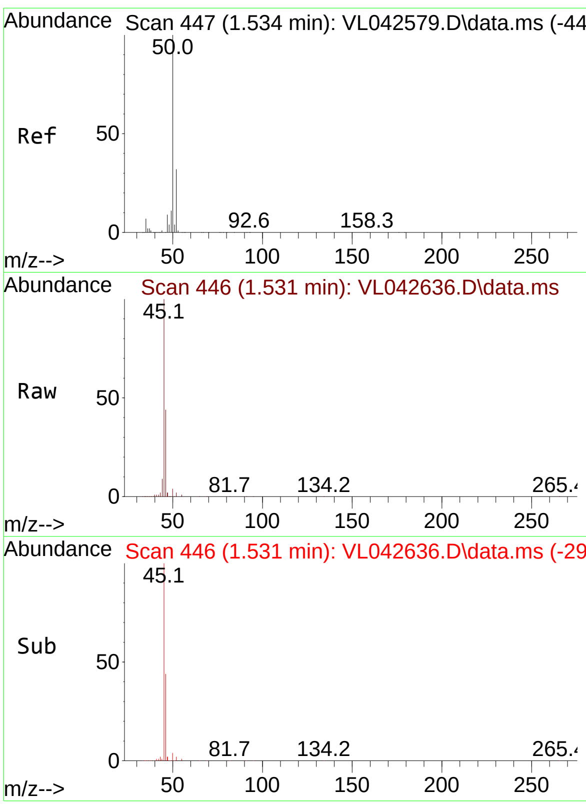
#3
Chlorodifluoromethane
Concen: 2.684 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 51 Resp: 45239

Ion	Ratio	Lower	Upper
51	100		
67	0.6	13.4	20.2#

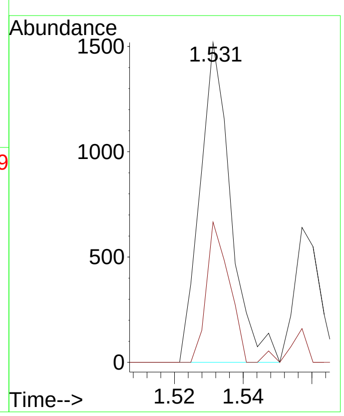


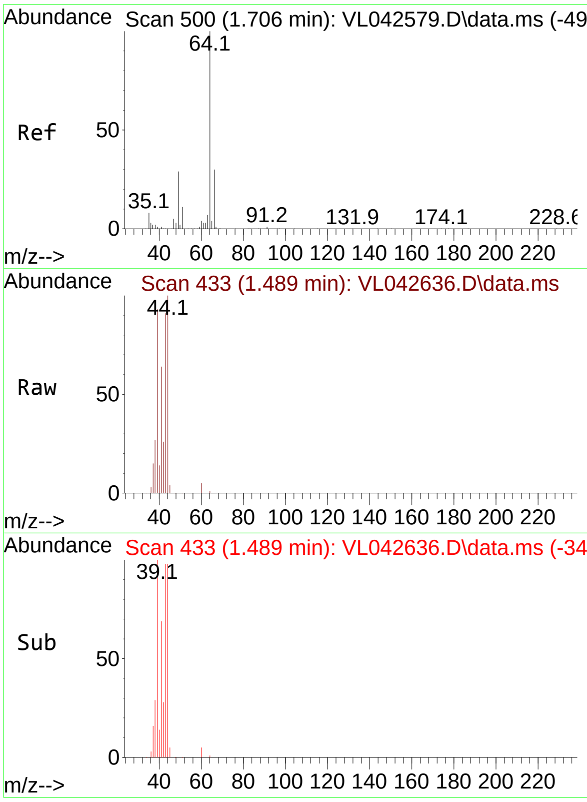


#4
Chloromethane
Concen: 0.196 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 50 Resp: 948

Ion	Ratio	Lower	Upper
50	100		
52	41.7	25.8	38.6#



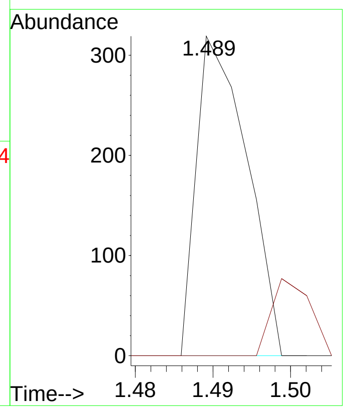


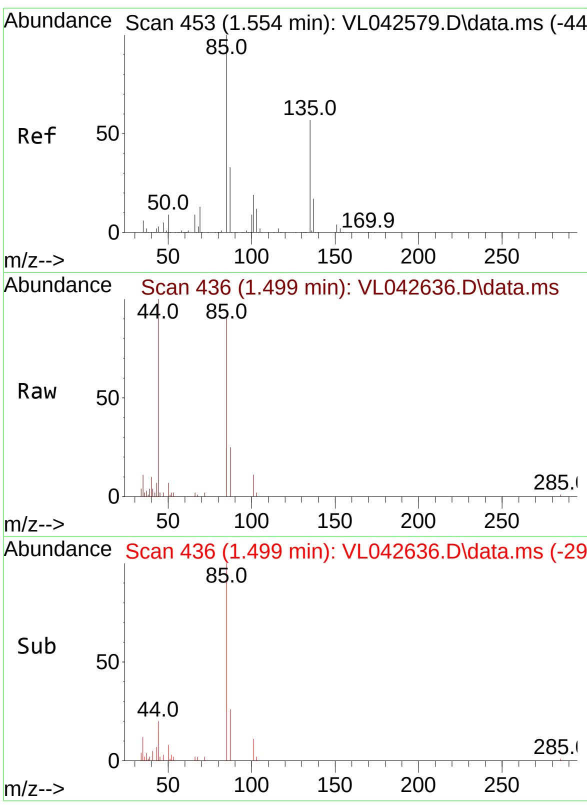
#7
Chloroethane
Concen: 0.075 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.217 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 64 Resp: 144

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.3	36.5#

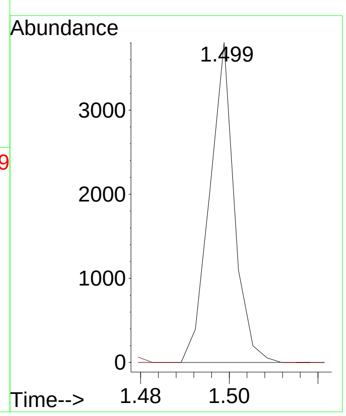


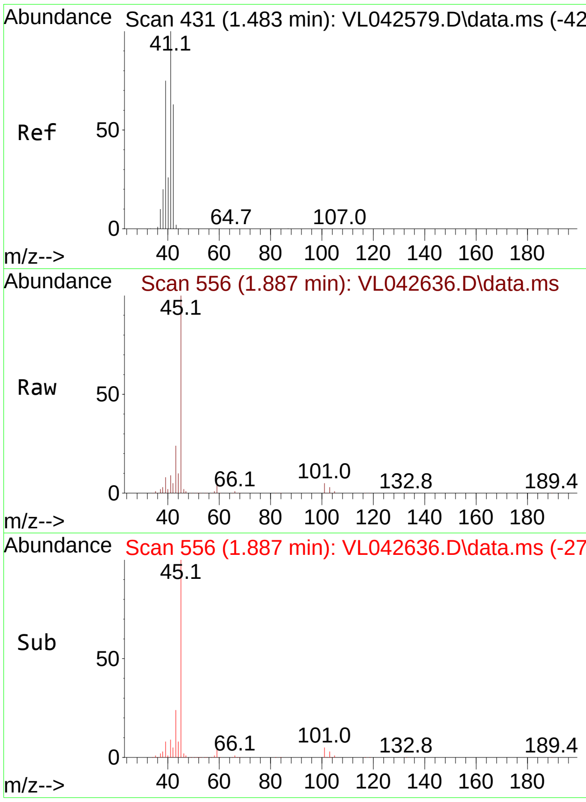


#8
Dichlorotetrafluoroethane
Concen: 0.144 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.055 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 85 Resp: 1473

Ion	Ratio	Lower	Upper
85	100		
135	1.0	50.2	75.4#



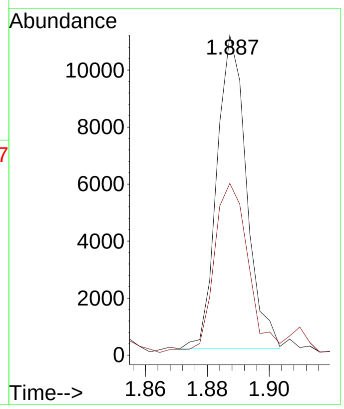


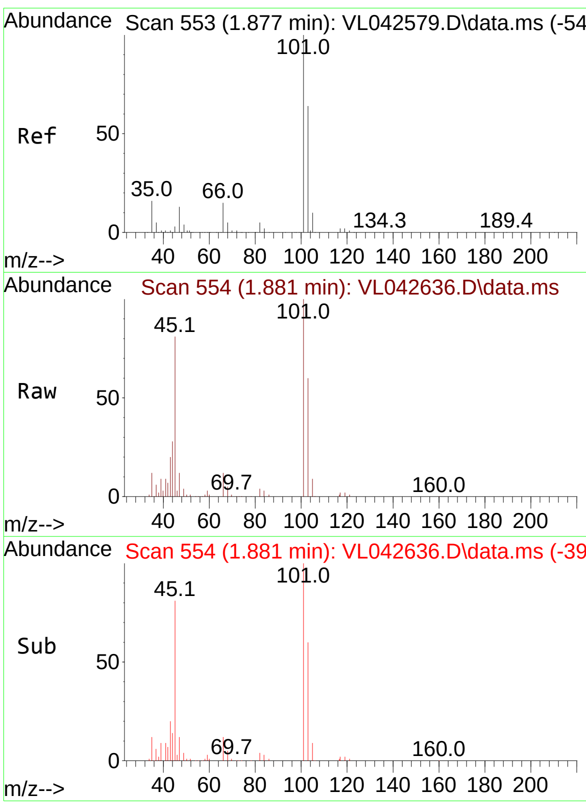
#9
Propene
Concen: 1.079 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.405 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 41 Resp: 7328

Ion	Ratio	Lower	Upper
41	100		
42	68.4	53.3	79.9

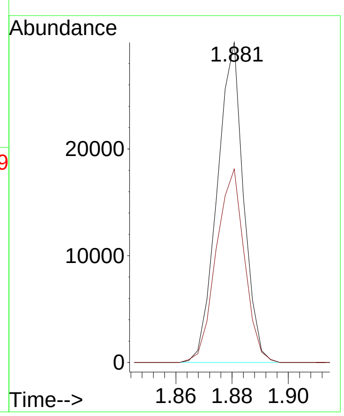


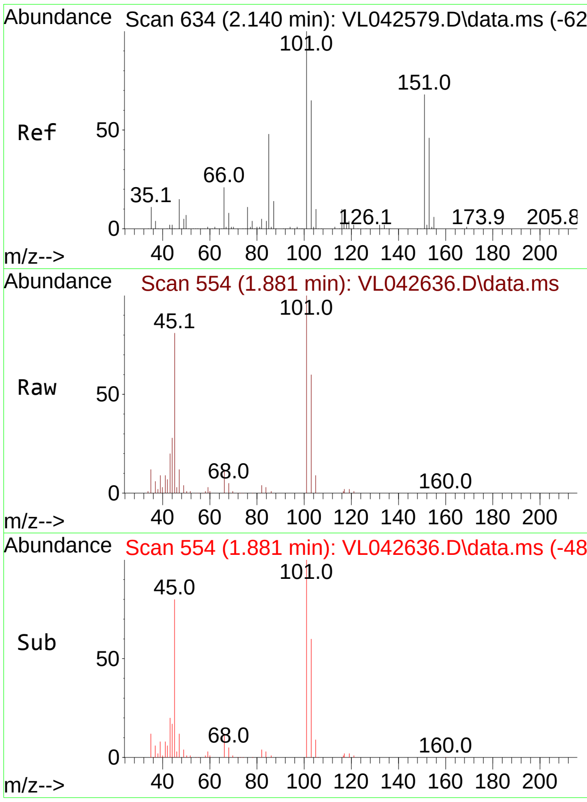


#11
Trichlorofluoromethane
Concen: 1.714 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion:101 Resp: 19522

Ion	Ratio	Lower	Upper
101	100		
103	60.4	51.5	77.3





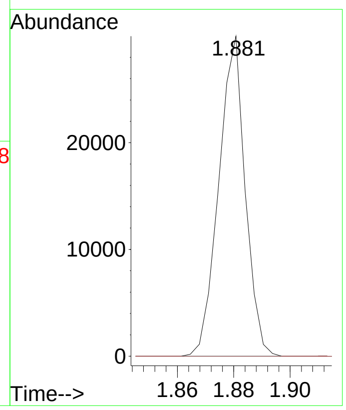
#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.183 ppbv
RT: 1.881 min Scan# 5

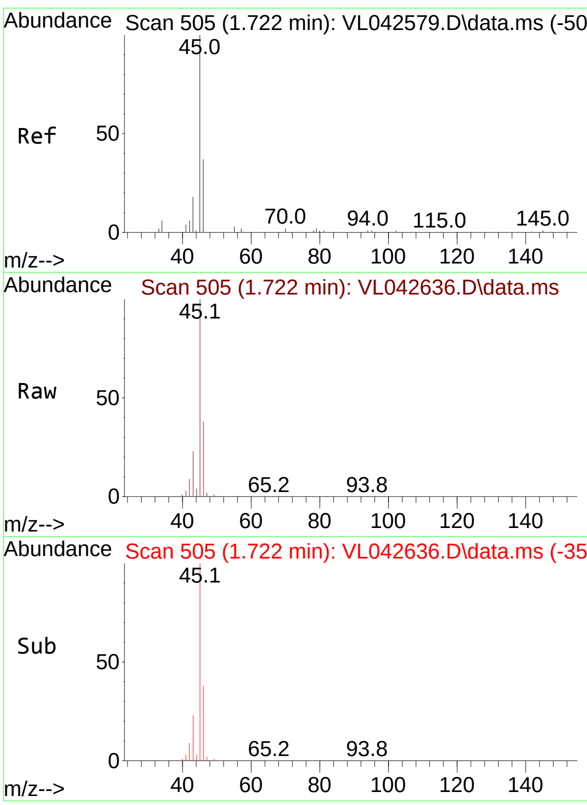
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Delta R.T. -0.259 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion:101 Resp: 19522

Ion	Ratio	Lower	Upper
101	100		
151	0.1	55.3	82.9#

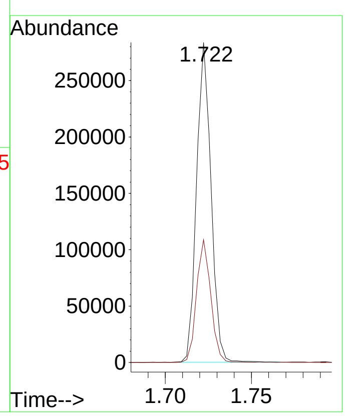


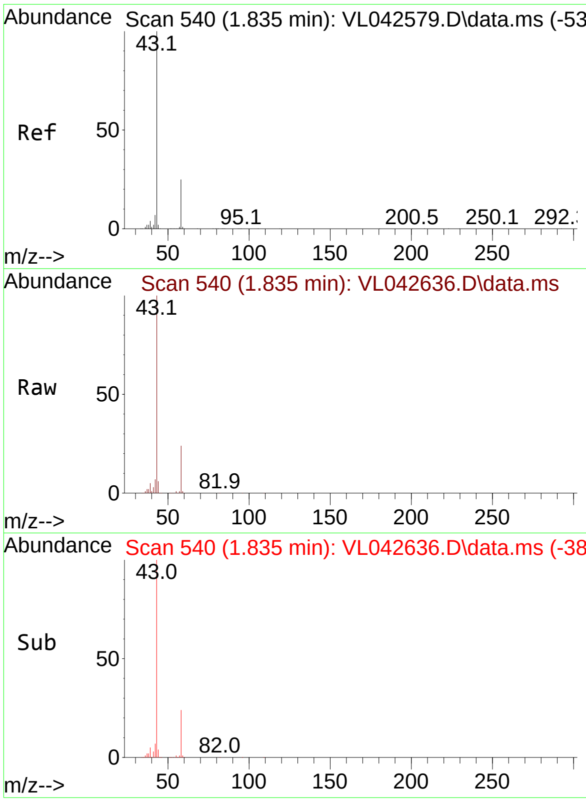


#13
Ethanol
Concen: 204.015 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 45 Resp: 165048

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.5	58.1



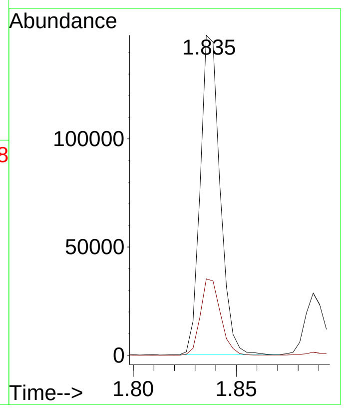


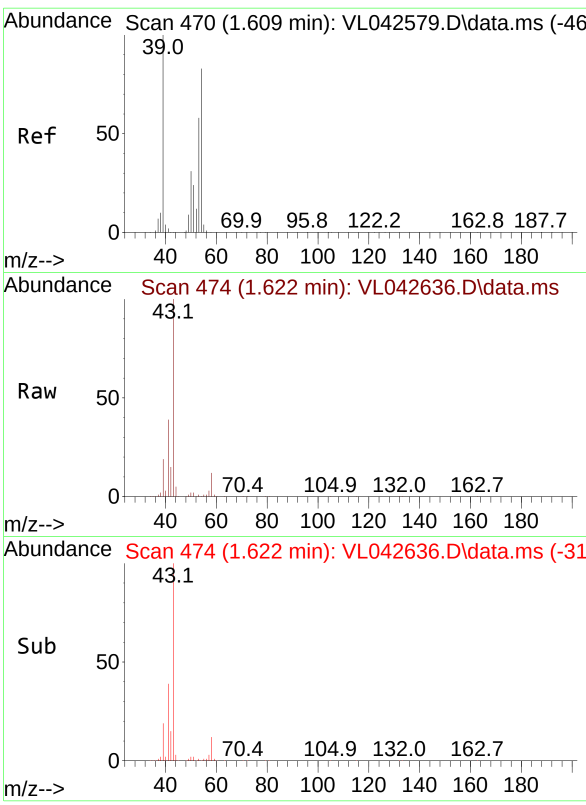
#15
Acetone
Concen: 8.241 ppbv
RT: 1.835 min   Scan# 54
Delta R.T.   0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 43 Resp: 98854

Ion	Ratio	Lower	Upper
43	100		
58	24.2	21.0	31.4

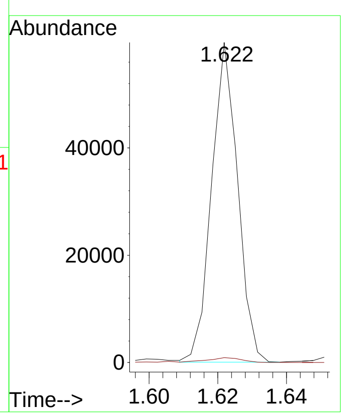


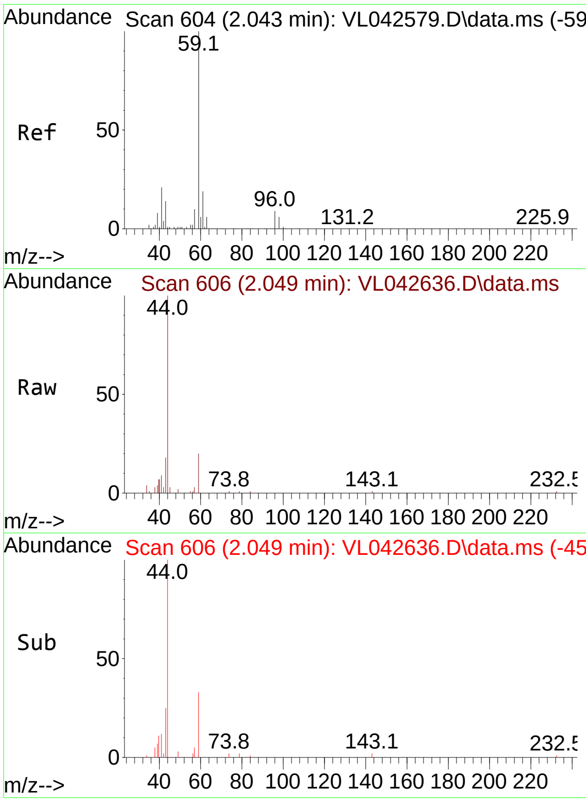


#16
1,3-Butadiene
Concen: 5.535 ppbv
RT: 1.622 min   Scan# 474
Delta R.T.   0.013 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 39 Resp: 31449

Ion	Ratio	Lower	Upper
39	100		
54	2.3	57.9	86.9#





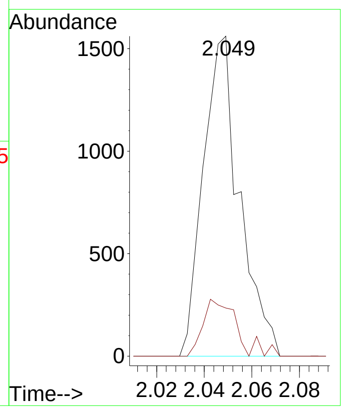
#17
tert-Butyl alcohol
Concen: 0.132 ppbv
RT: 2.049 min Scan# 60

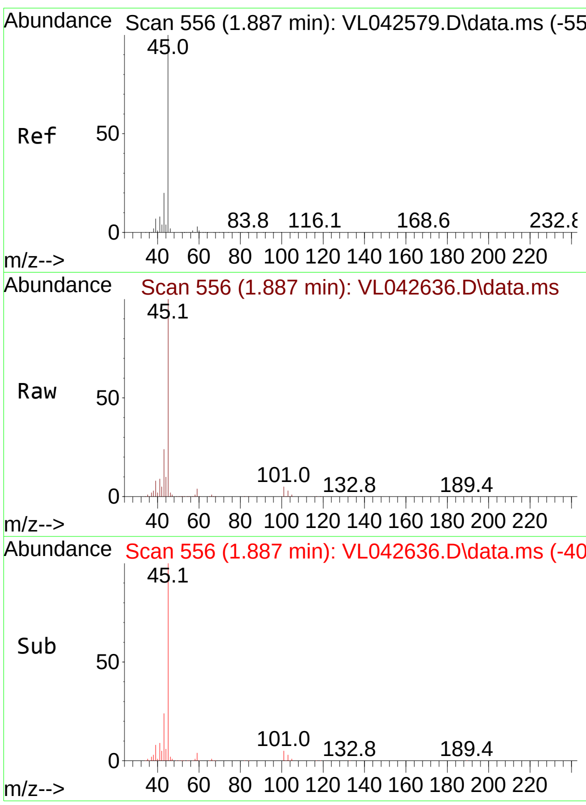
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Delta R.T. 0.006 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 59 Resp: 1651

Ion	Ratio	Lower	Upper
59	100		
57	16.7	8.6	12.8#

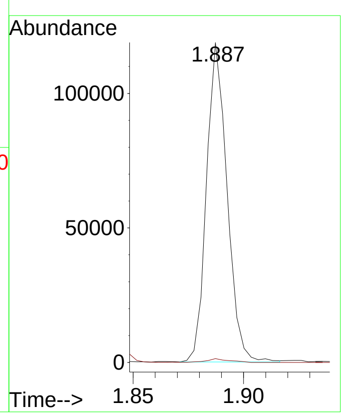


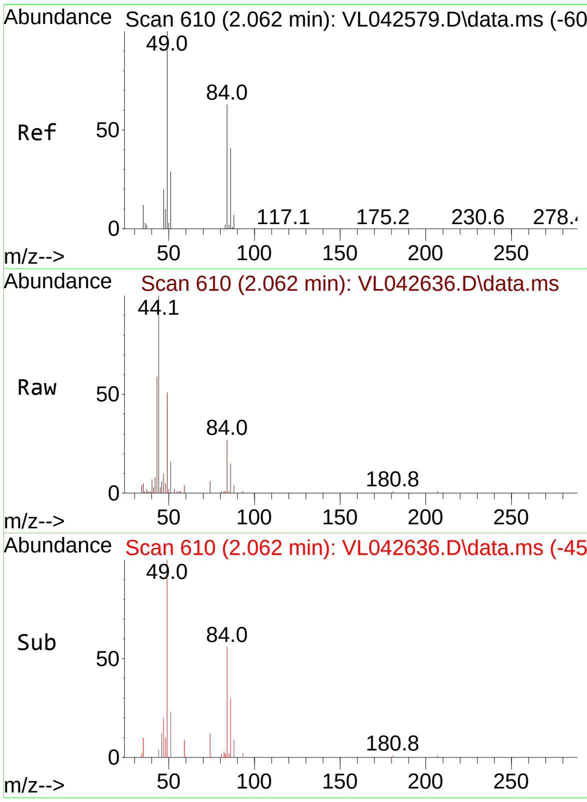


#19
Isopropyl Alcohol
Concen: 10.698 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 45 Resp: 76718

Ion	Ratio	Lower	Upper
45	100		
58	31.3	29.4	44.2



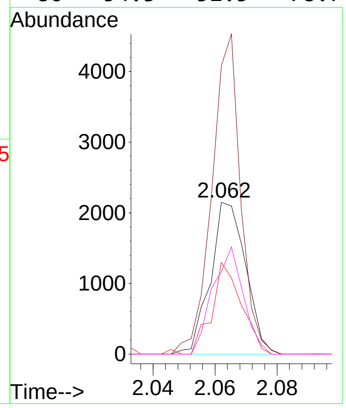


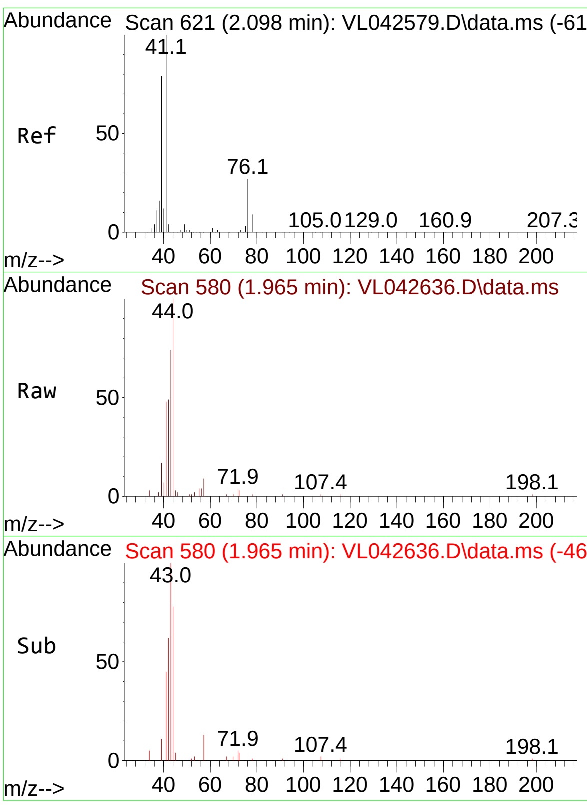
#20
Methylene Chloride
Concen: 0.427 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 84 Resp: 1690

Ion	Ratio	Lower	Upper
84	100		
49	189.9	128.8	193.2
51	60.4	38.6	57.8#
86	54.3	52.5	78.7

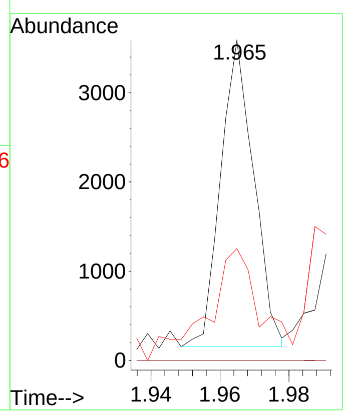


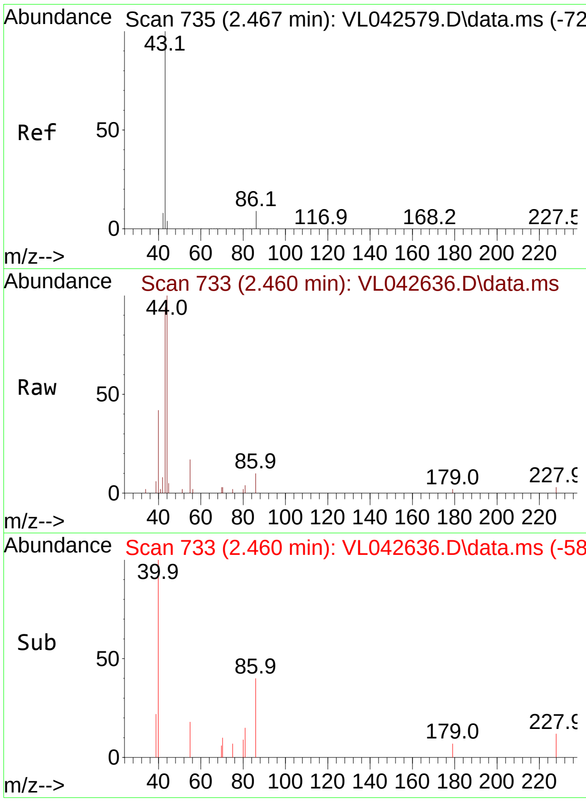


#21
Allyl Chloride
Concen: 0.271 ppbv
RT: 1.965 min Scan# 580
Delta R.T. -0.133 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion: 41 Resp: 2294

Ion	Ratio	Lower	Upper
41	100		
76	2.2	21.2	31.8#
39	122.4	60.9	91.3#





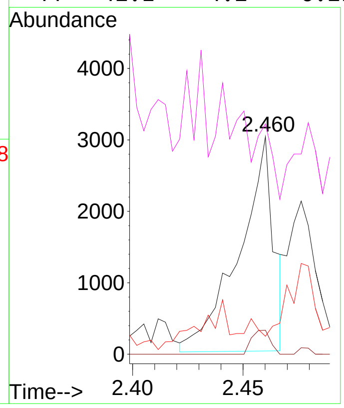
#23
Vinyl Acetate
Concen: 0.200 ppbv
RT: 2.460 min   Scan# 7

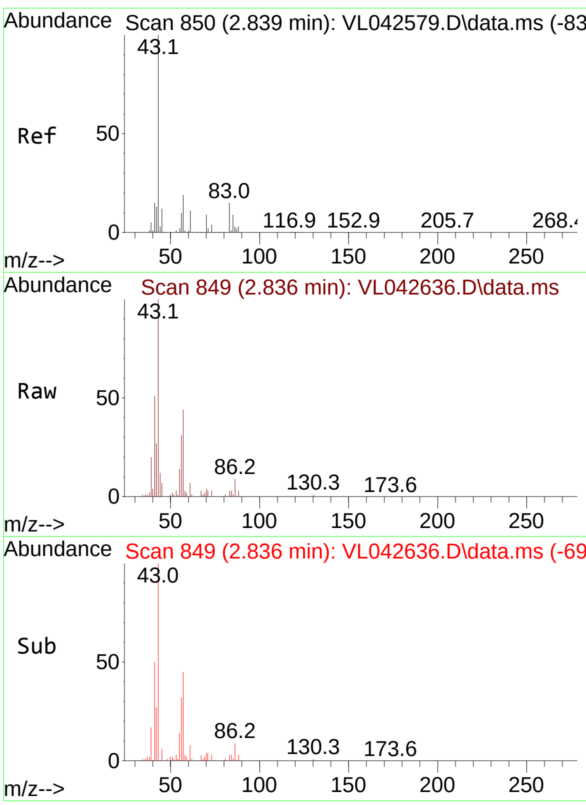
Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Delta R.T.   -0.006 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 43 Resp: 3251

Ion	Ratio	Lower	Upper
43	100		
86	11.6	6.6	9.8#
42	0.0	7.0	10.4#
44	42.1	4.2	6.2#

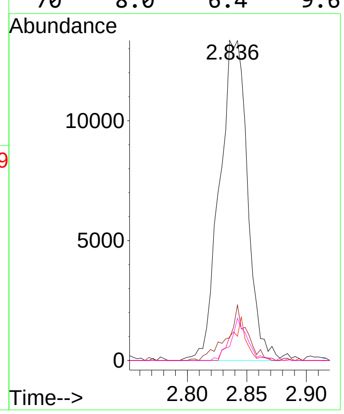


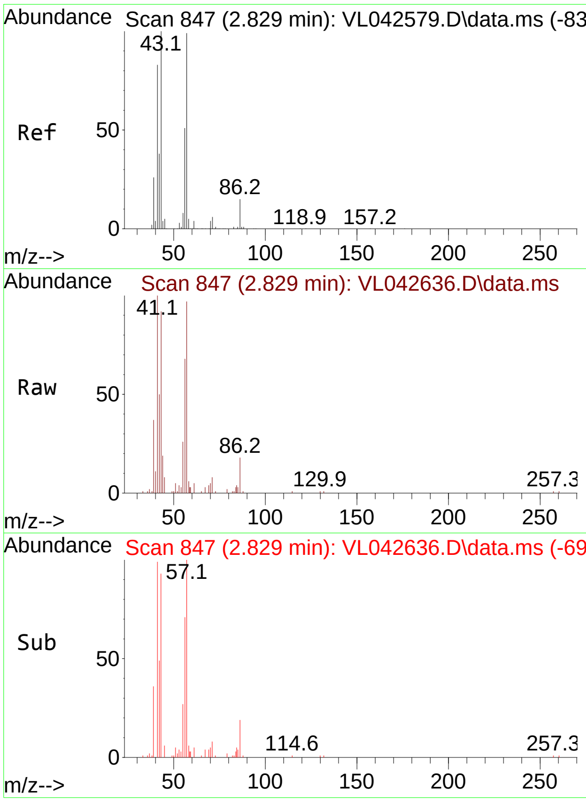


#25
Ethyl Acetate
Concen: 0.666 ppbv
RT: 2.836 min   Scan# 849
Delta R.T.   -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 43 Resp: 21869

Ion	Ratio	Lower	Upper
43	100		
45	12.5	8.2	12.2#
61	7.2	7.1	10.7
70	8.0	6.4	9.6



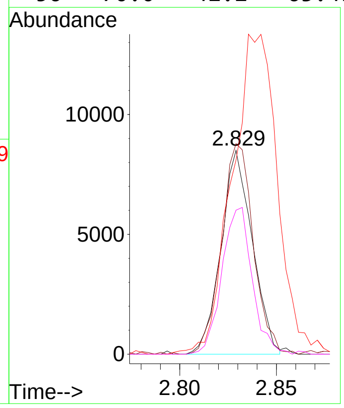


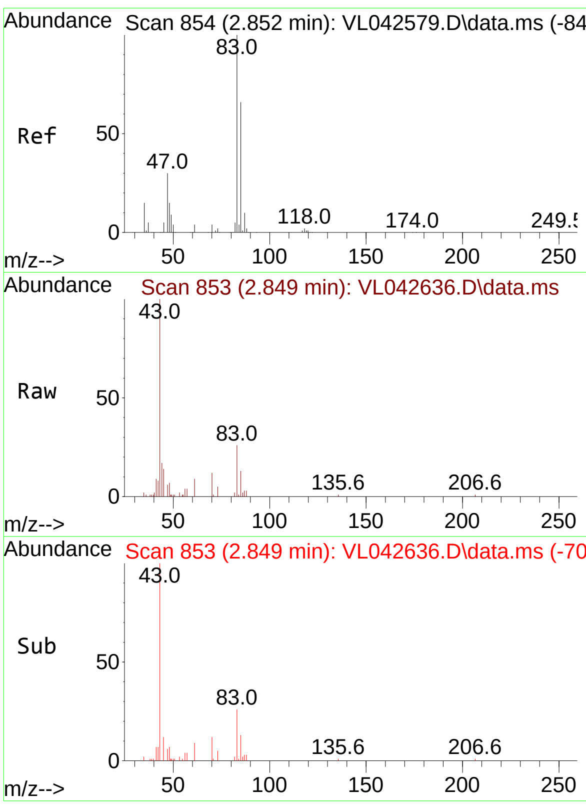
#26
Hexane
Concen: 0.641 ppbv
RT: 2.829 min   Scan# 84
Delta R.T.   0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 57 Resp: 9562

Ion	Ratio	Lower	Upper
57	100		
41	107.9	70.6	106.0#
43	232.1	181.1	271.7
56	70.0	42.2	63.4#

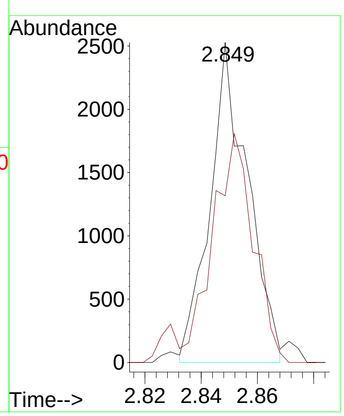


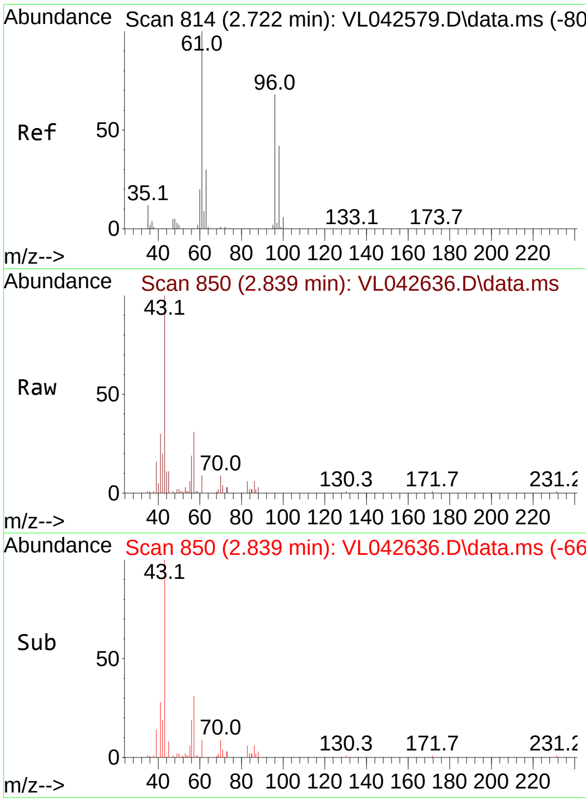


#29
Chloroform
Concen: 0.122 ppbv
RT: 2.849 min   Scan# 853
Delta R.T.   -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 83 Resp: 2363

Ion	Ratio	Lower	Upper
83	100		
85	50.2	52.8	79.2#



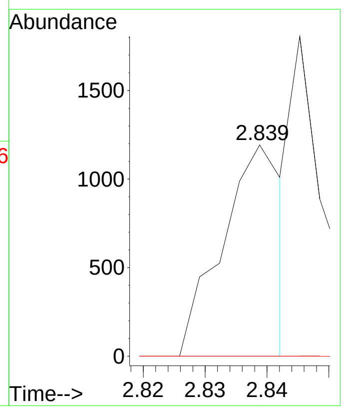


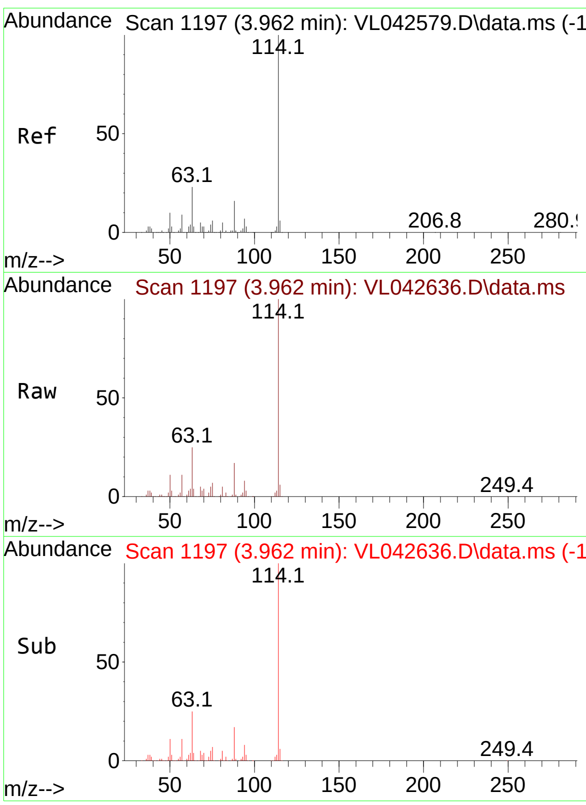
#31
cis-1,2-Dichloroethene
Concen: 0.059 ppbv
RT: 2.839 min Scan# 8!
Delta R.T. 0.117 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 61 Resp: 809

Ion	Ratio	Lower	Upper
61	100		
96	0.0	54.5	81.7#
98	0.0	33.4	50.2#

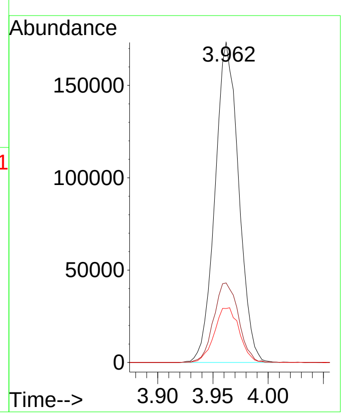


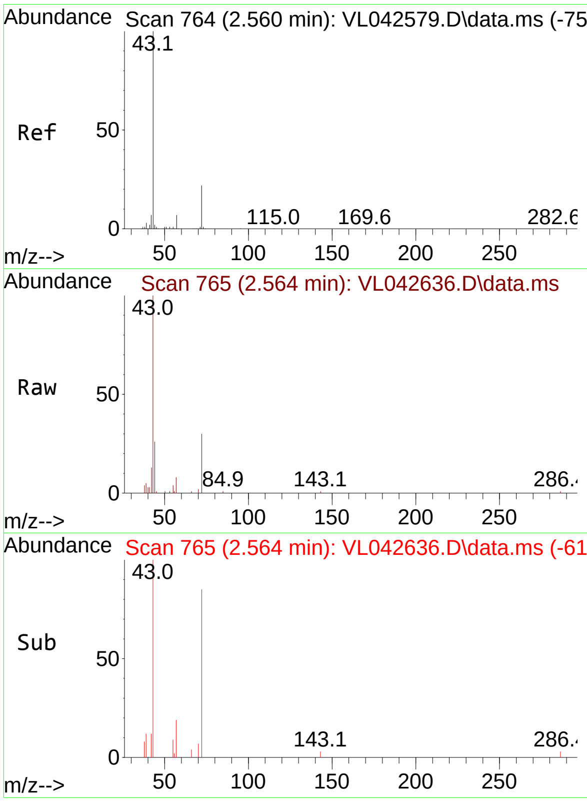


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion:114 Resp: 258626

Ion	Ratio	Lower	Upper
114	100		
63	26.1	19.0	28.6
88	18.1	13.6	20.4



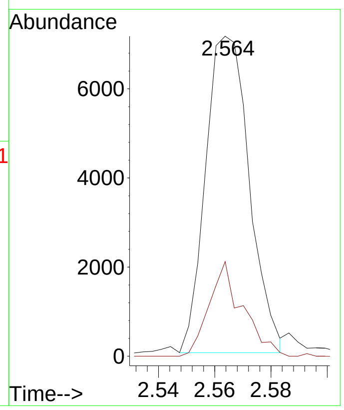


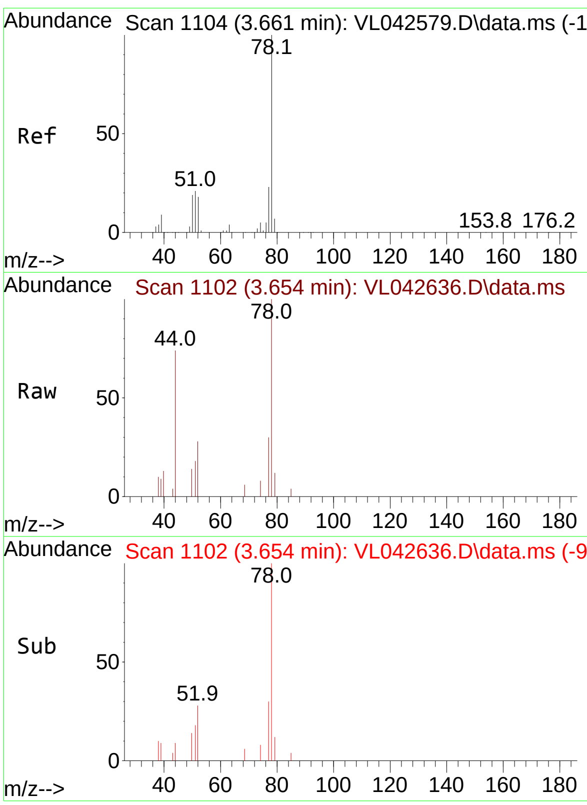
#34
2-Butanone
Concen: 0.416 ppbv
RT: 2.564 min   Scan# 7
Delta R.T.   0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 43 Resp: 7674

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5

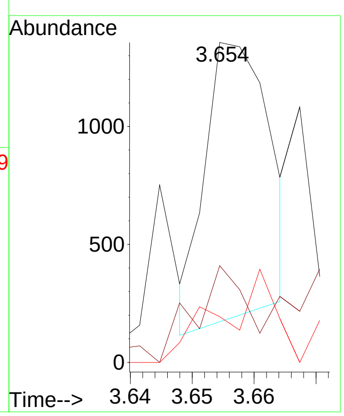


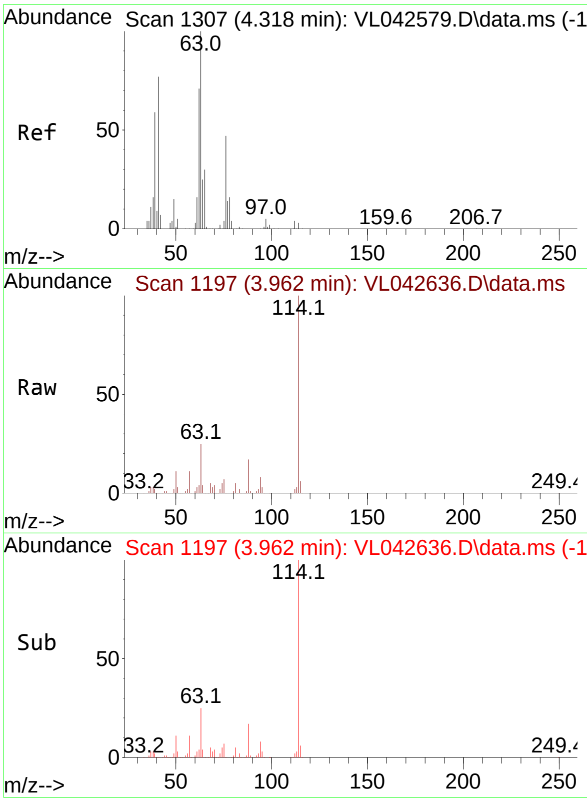


#36
Benzene
Concen: 0.033 ppbv
RT: 3.654 min   Scan# 1102
Delta R.T.   -0.006 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 78 Resp: 848

Ion	Ratio	Lower	Upper
78	100		
77	15.4	18.2	27.2#
50	10.8	15.2	22.8#



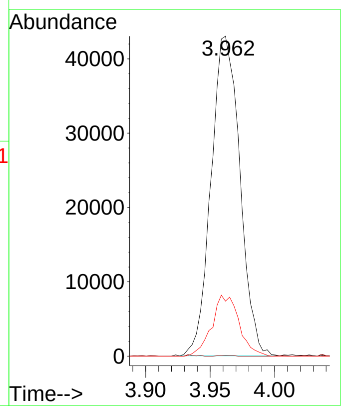


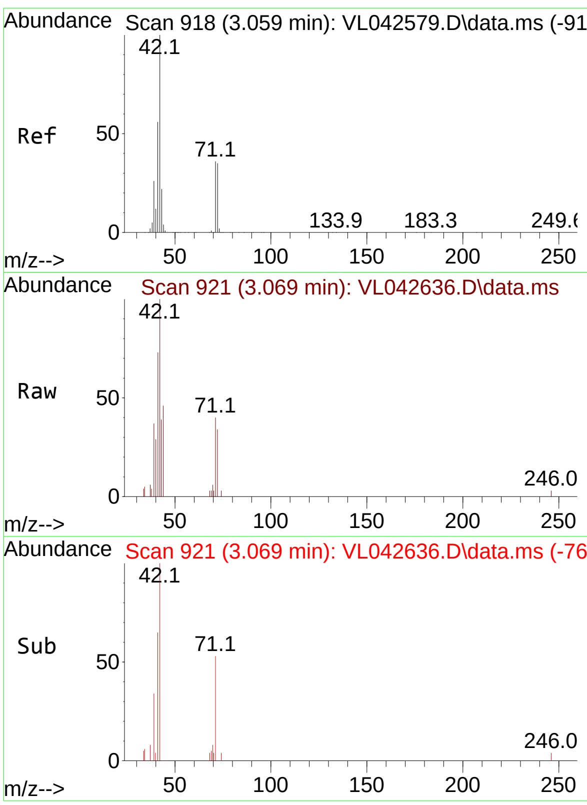
#39
1,2-Dichloropropane
Concen: 7.106 ppbv
RT: 3.962 min   Scan# 1
Delta R.T.   -0.356 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 63 Resp: 66927

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.8	92.6#
62	17.2	56.6	85.0#

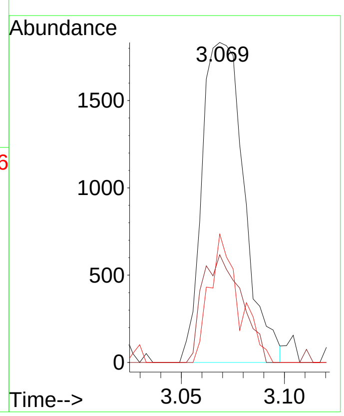


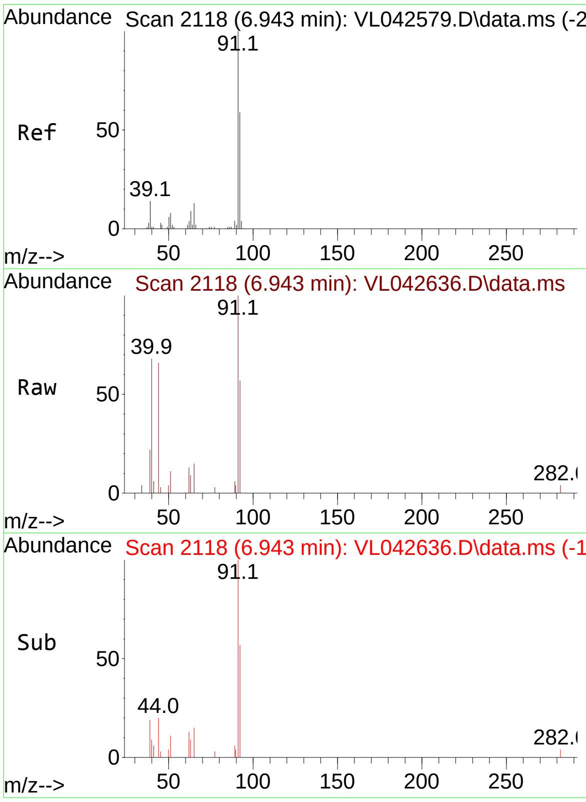


#41
Tetrahydrofuran
Concen: 0.241 ppbv
RT: 3.069 min   Scan# 921
Delta R.T.   0.010 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 42 Resp: 2599

Ion	Ratio	Lower	Upper
42	100		
72	31.4	28.9	43.3
71	28.5	28.5	42.7



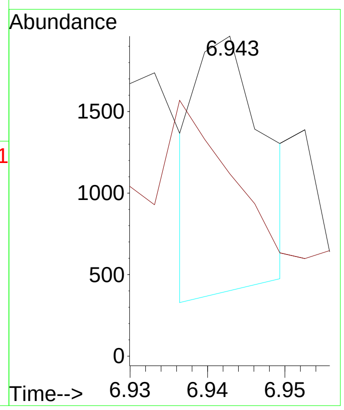


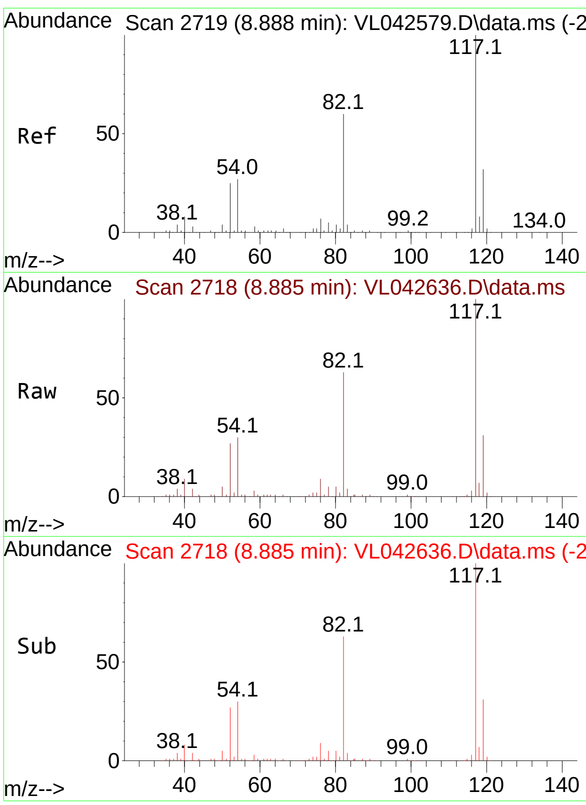
#53
Toluene
Concen: 0.032 ppbv
RT: 6.943 min   Scan# 2
Delta R.T.   0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 91 Resp: 954

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#

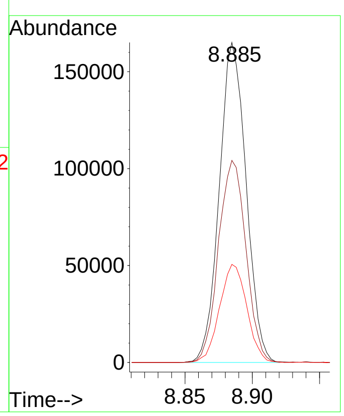


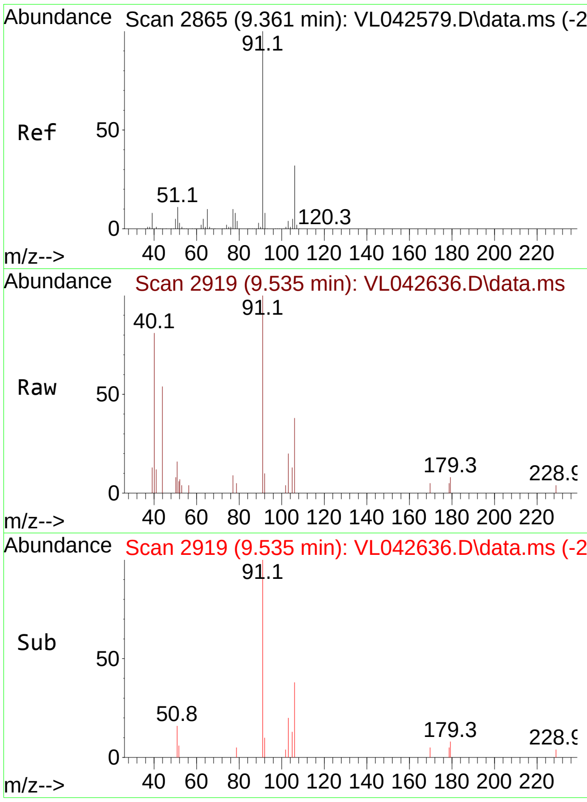


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min   Scan# 2718
Delta R.T.   -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion:117 Resp: 228826

Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.2	76.8
119	31.2	26.3	39.5



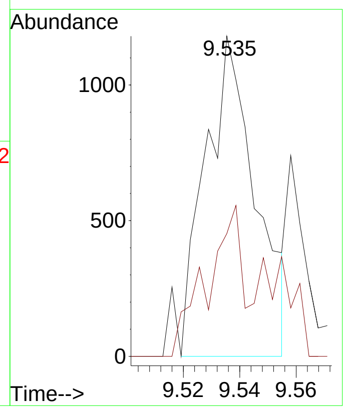


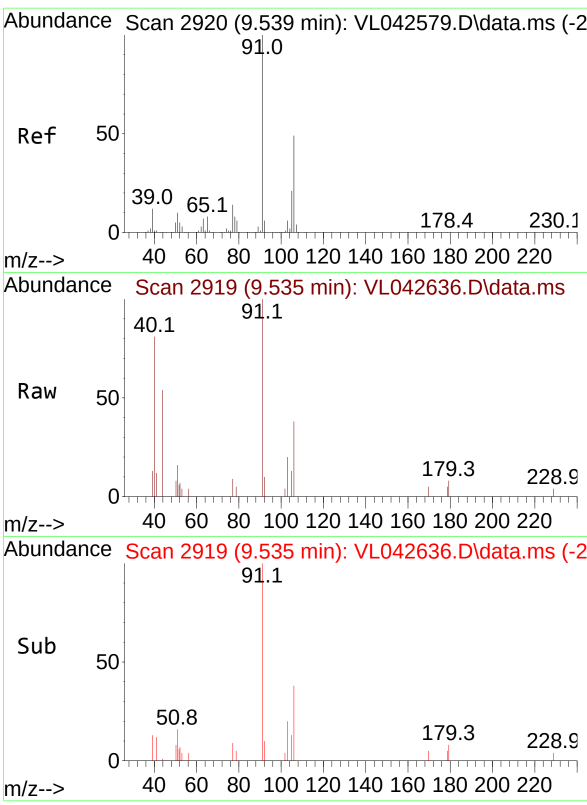
#58
Ethyl Benzene
Concen: 0.037 ppbv
RT: 9.535 min   Scan# 2
Delta R.T.   0.175 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 91 Resp: 1455

Ion	Ratio	Lower	Upper
91	100		
106	27.5	25.9	38.9

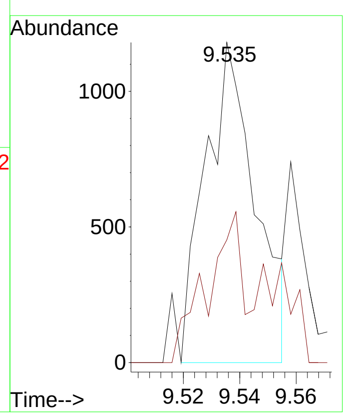


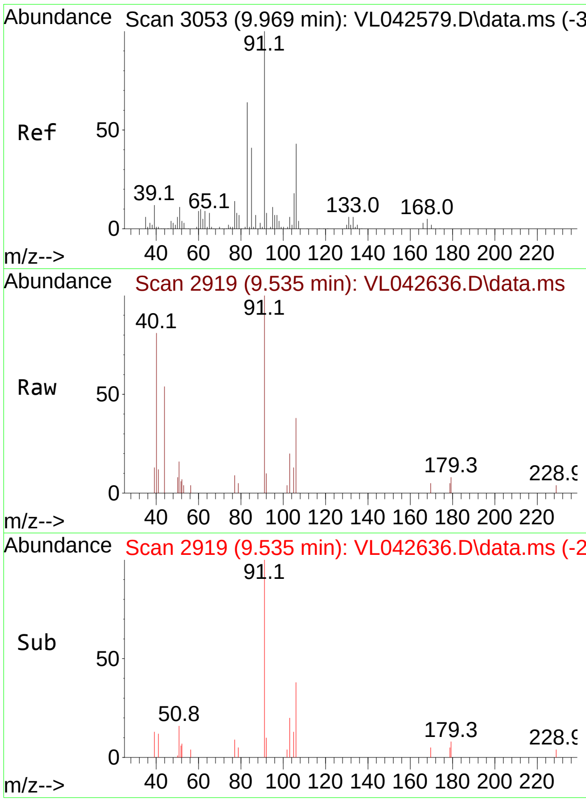


#59
m/p-Xylene
Concen: 0.048 ppbv
RT: 9.535 min   Scan# 2919
Delta R.T.   -0.003 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 91 Resp: 1455

Ion	Ratio	Lower	Upper
91	100		
106	53.5	38.8	58.2



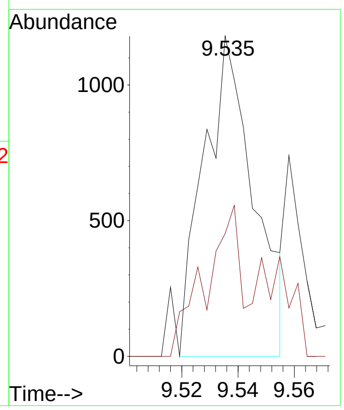


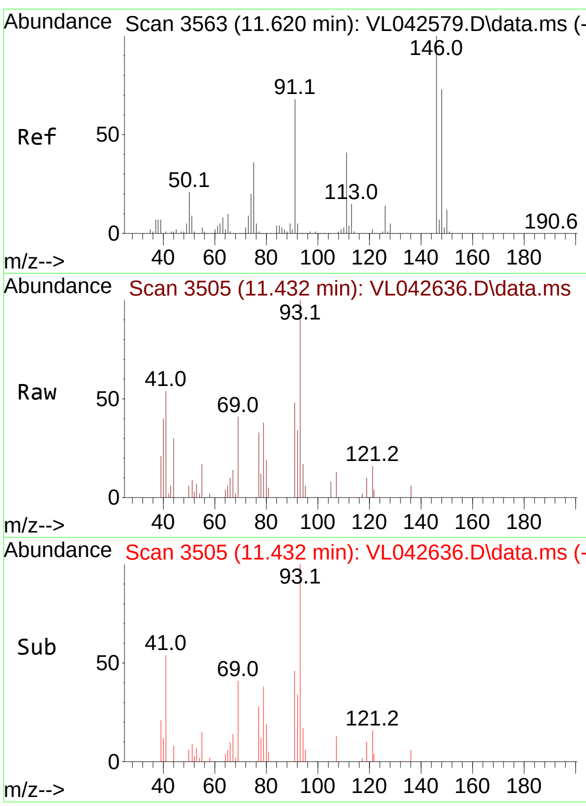
#60
o-Xylene
Concen: 0.048 ppbv
RT: 9.535 min   Scan# 2
Delta R.T.   -0.434 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 91 Resp: 1455

Ion	Ratio	Lower	Upper
91	100		
106	53.5	22.9	68.5

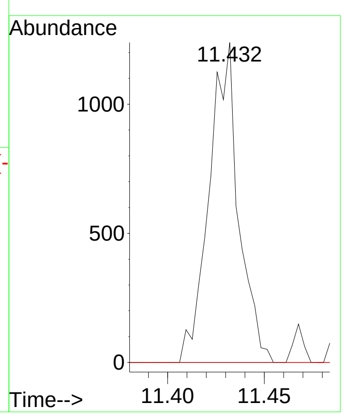


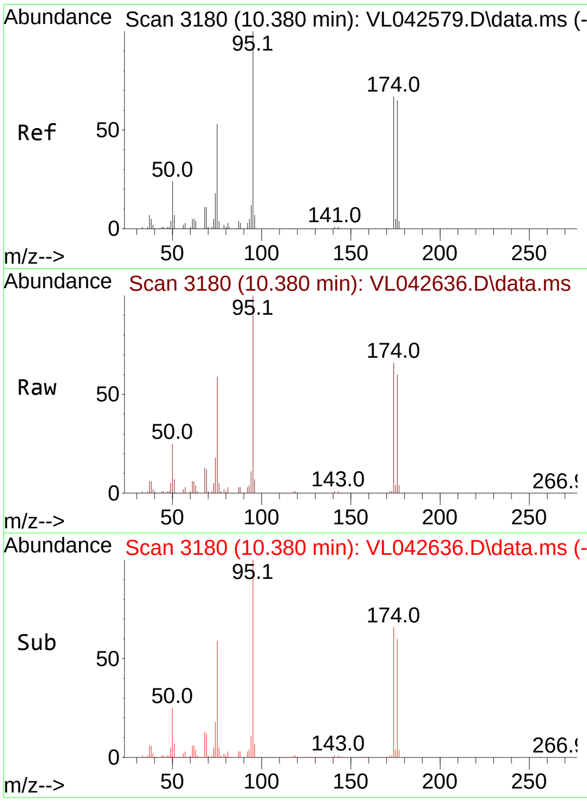


#66
Benzyl Chloride
Concen: 0.251 ppbv
RT: 11.432 min   Scan# 3505
Delta R.T.   -0.188 min
Lab File: VL042636.D
Acq: 16 Jun 2025   19:12

Tgt Ion: 91 Resp: 1317

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.1	22.7#
128	1.0	5.0	7.6#



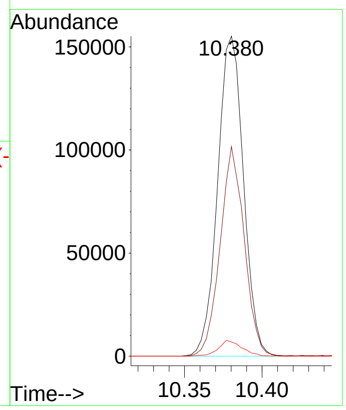


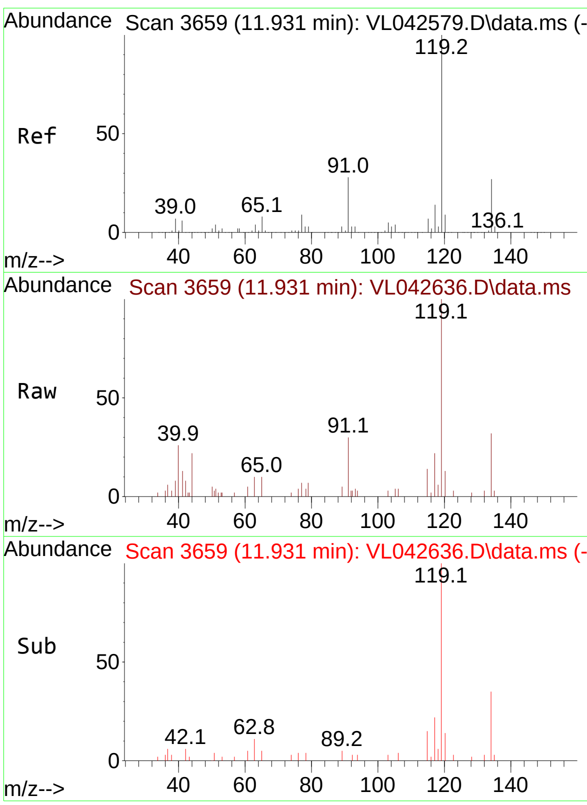
#68
1-Bromo-4-Fluorobenzene
Concen: 10.486 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion: 95 Resp: 179870

Ion	Ratio	Lower	Upper
95	100		
174	61.6	53.1	79.7
175	4.6	4.2	6.2

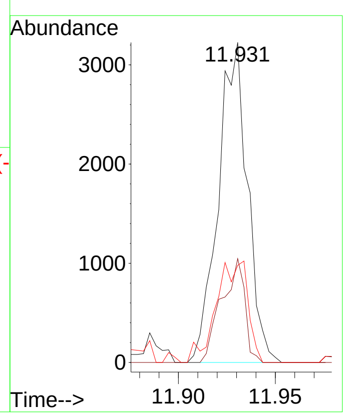


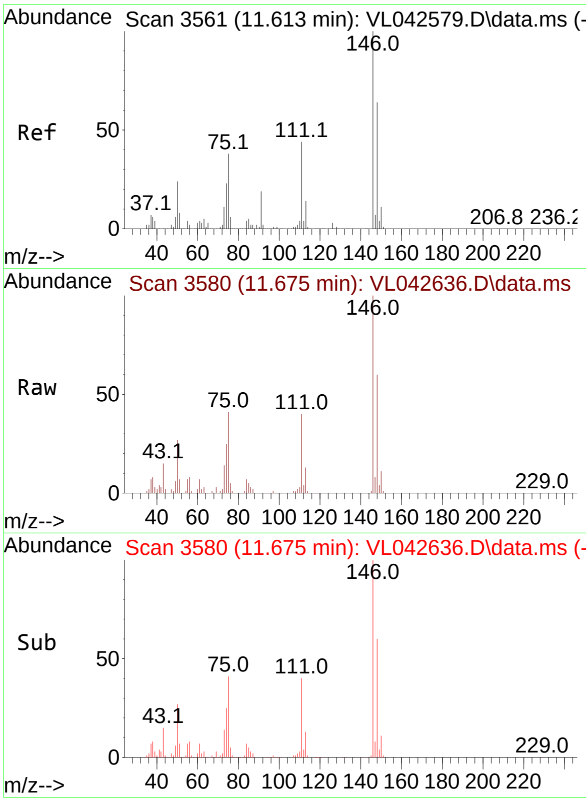


#69
p-Isopropyltoluene
Concen: 0.070 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion:119 Resp: 3382

Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.1	31.7
91	34.5	21.9	32.9#



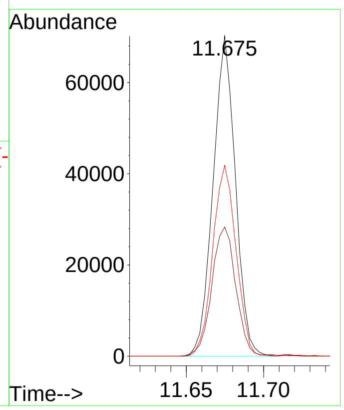


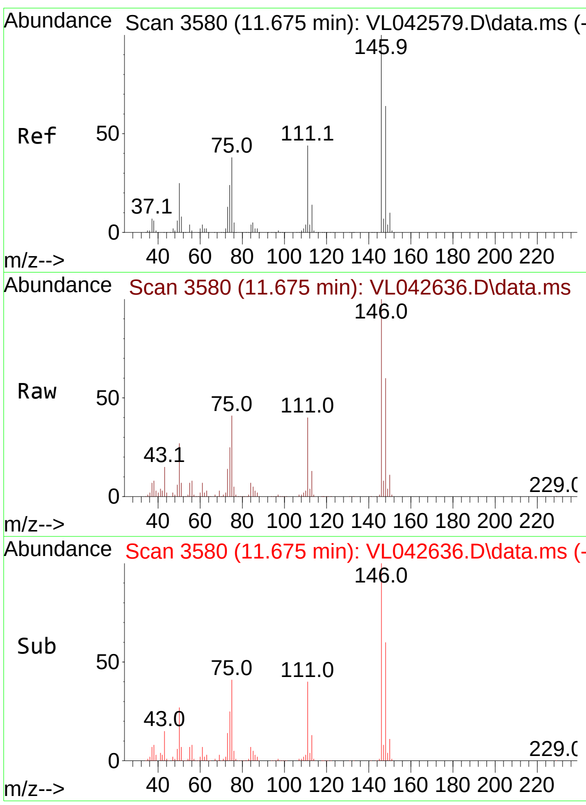
#75
1,3-Dichlorobenzene
Concen: 3.216 ppbv
RT: 11.675 min Scan# 3
Delta R.T. 0.062 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion:146 Resp: 70457

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.3
148	62.4	32.0	96.2

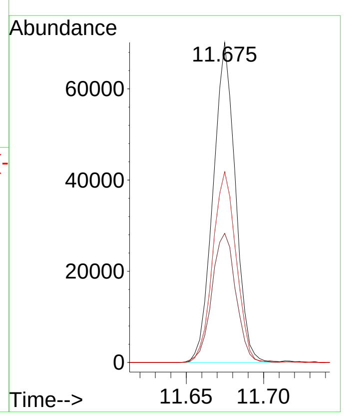


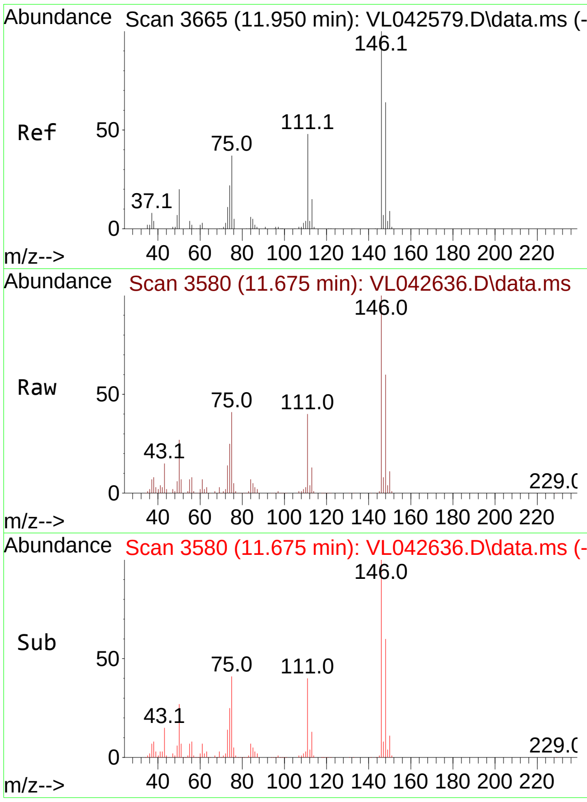


#76
1,4-Dichlorobenzene
Concen: 3.225 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Tgt Ion:146 Resp: 70457

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	62.4	32.1	96.5



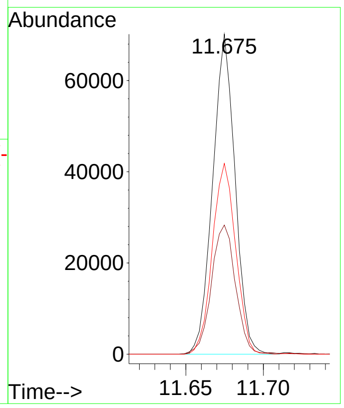


#77
1,2-Dichlorobenzene
Concen: 3.314 ppbv
RT: 11.675 min Scan# 3
Delta R.T. -0.275 min
Lab File: VL042636.D
Acq: 16 Jun 2025 19:12

Instrument :
MSVOA_L
ClientSampleId :
115-IA-1DL

Tgt Ion:146 Resp: 70457

Ion	Ratio	Lower	Upper
146	100		
111	43.8	23.1	69.3
148	62.4	32.1	96.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042637.D
Acq On : 16 Jun 2025 19:46
Operator : SY/MD
Sample : Q2317-03DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Quant Time: Jun 17 03:10:08 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	2.790	49	101539	10.000 ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	255635	10.000 ppbv		0.00
55) Chlorobenzene-d5	8.885	117	225996	10.000 ppbv		0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	174084	10.276 ppbv		0.00
Spiked Amount 10.000 Range 65 - 135			Recovery = 102.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1351	0.108 ppbv	#	76
3) Chlorodifluoromethane	1.466	51	18078	1.052 ppbv	#	64
4) Chloromethane	1.534	50	802	0.162 ppbv	#	87
9) Propene	1.560	41	26045	3.763 ppbv		95
11) Trichlorofluoromethane	1.877	101	14944	1.287 ppbv		93
12) 1,1,2-Trichlorotrifluo...	1.877	101	14944	1.639 ppbv	#	15
13) Ethanol	1.722	45	104557	126.755 ppbv		96
15) Acetone	1.835	43	87546	7.158 ppbv		99
16) 1,3-Butadiene	1.599	39	240	0.041 ppbv	#	13
17) tert-Butyl alcohol	2.046	59	1476	0.116 ppbv		97
19) Isopropyl Alcohol	1.887	45	16309	2.231 ppbv	#	1
20) Methylene Chloride	2.062	84	1144	0.283 ppbv	#	80
21) Allyl Chloride	2.043	41	305	0.035 ppbv	#	17
23) Vinyl Acetate	2.457	43	4078	0.247 ppbv	#	70
25) Ethyl Acetate	2.839	43	4187	0.125 ppbv	#	76
26) Hexane	2.832	57	2298	0.151 ppbv	#	79
29) Chloroform	2.845	83	669	0.034 ppbv		91
34) 2-Butanone	2.560	43	8807	0.483 ppbv		94
36) Benzene	3.658	78	995	0.040 ppbv	#	80
39) 1,2-Dichloropropane	3.959	63	67071	7.205 ppbv	#	24
41) Tetrahydrofuran	3.065	42	2429	0.228 ppbv		97
53) Toluene	6.933	91	1854	0.064 ppbv	#	44
69) p-Isopropyltoluene	11.927	119	3845	0.081 ppbv		92
75) 1,3-Dichlorobenzene	11.672	146	92972	4.297 ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	92972	4.309 ppbv		99
77) 1,2-Dichlorobenzene	11.672	146	92972	4.428 ppbv		98

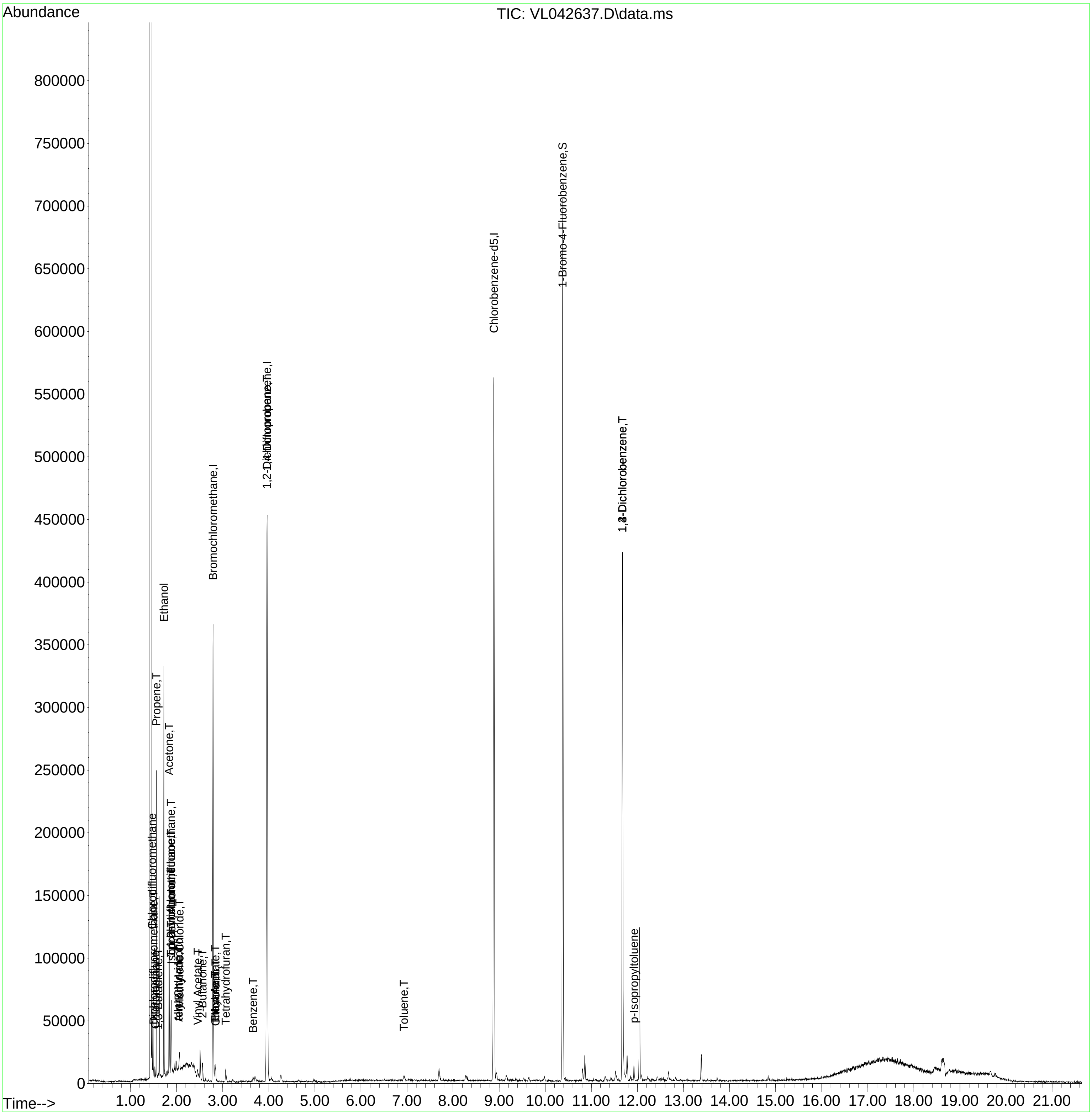
(#) = qualifier out of range (m) = manual integration (+) = signals summed

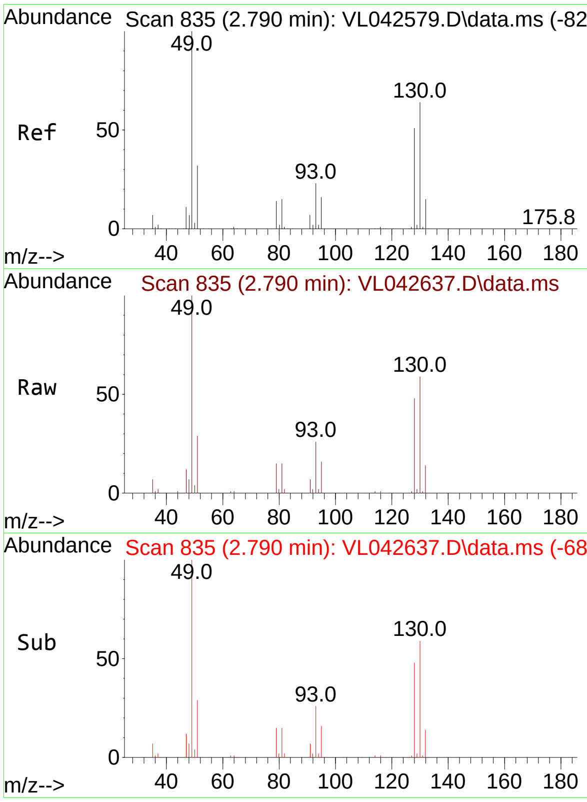
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042637.D
Acq On : 16 Jun 2025 19:46
Operator : SY/MD
Sample : Q2317-03DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Quant Time: Jun 17 03:10:08 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



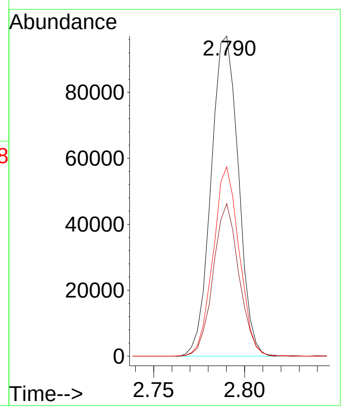


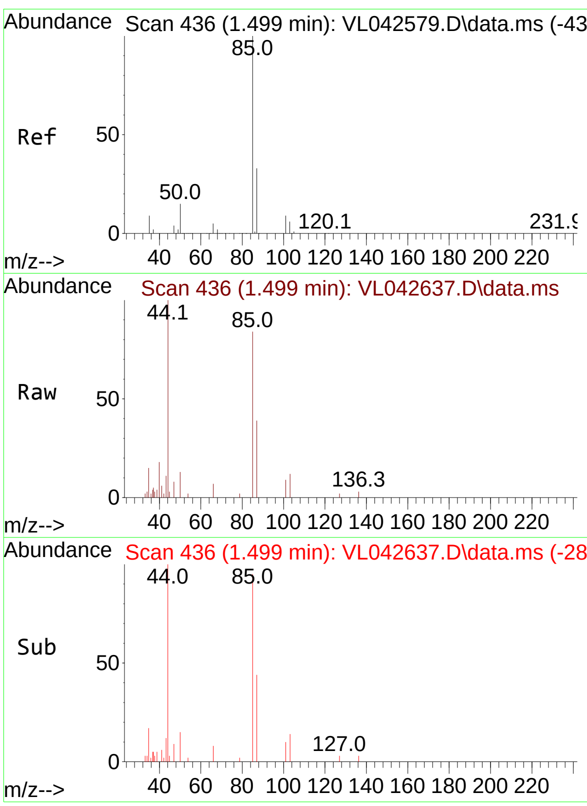
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 49 Resp: 101539

Ion	Ratio	Lower	Upper
49	100		
128	45.0	24.2	72.6
130	56.6	30.4	91.2

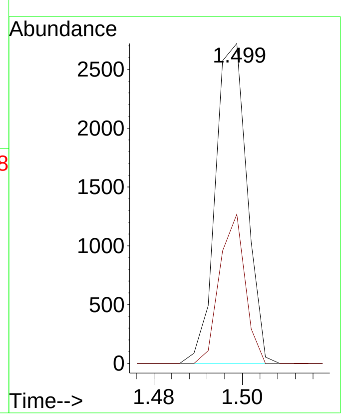


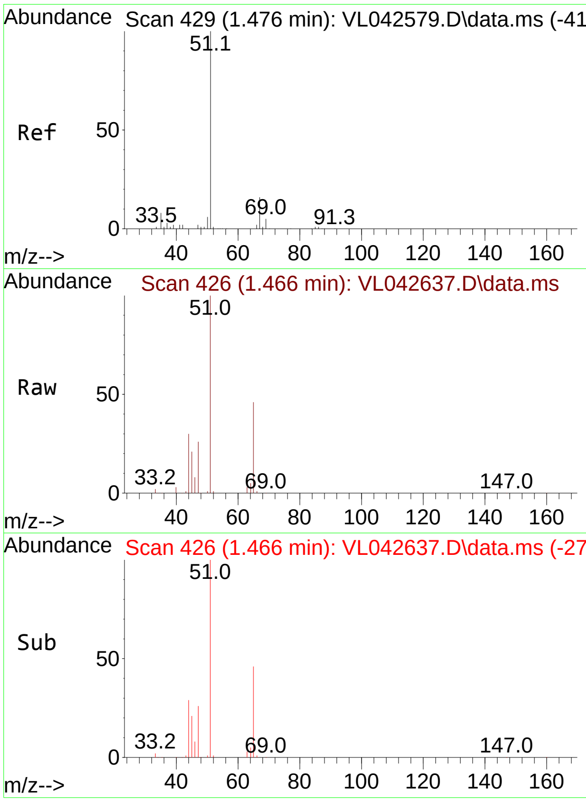


#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 85 Resp: 1351

Ion	Ratio	Lower	Upper
85	100		
87	46.6	26.6	39.8#



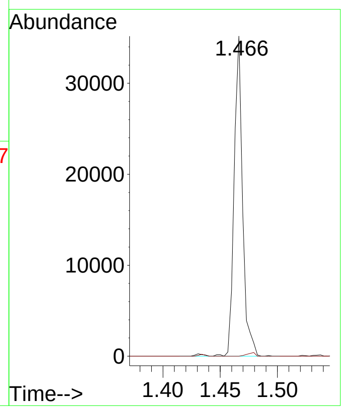


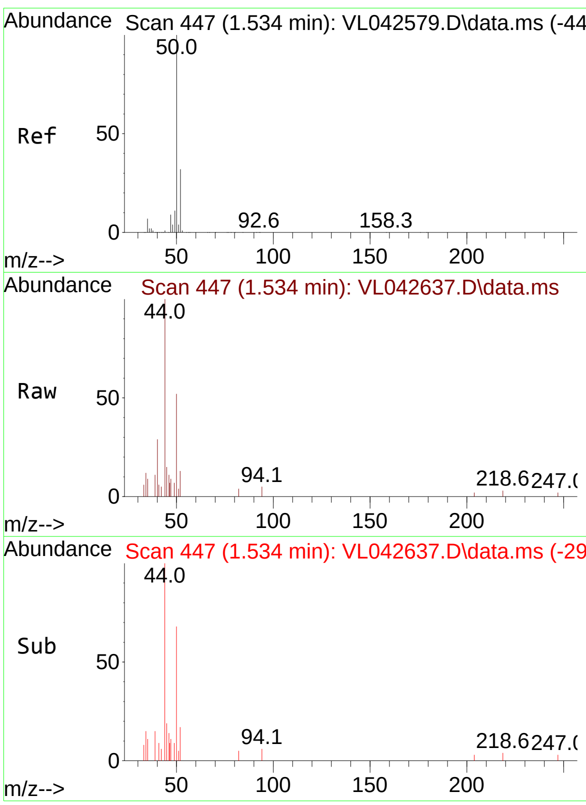
#3
Chlorodifluoromethane
Concen: 1.052 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 51 Resp: 18078

Ion	Ratio	Lower	Upper
51	100		
67	1.0	13.4	20.2#

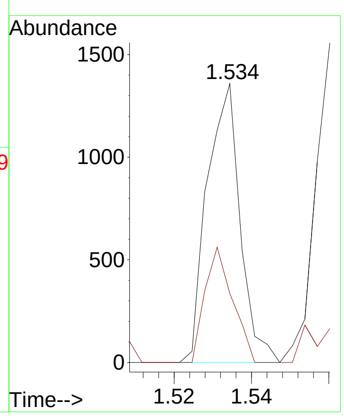


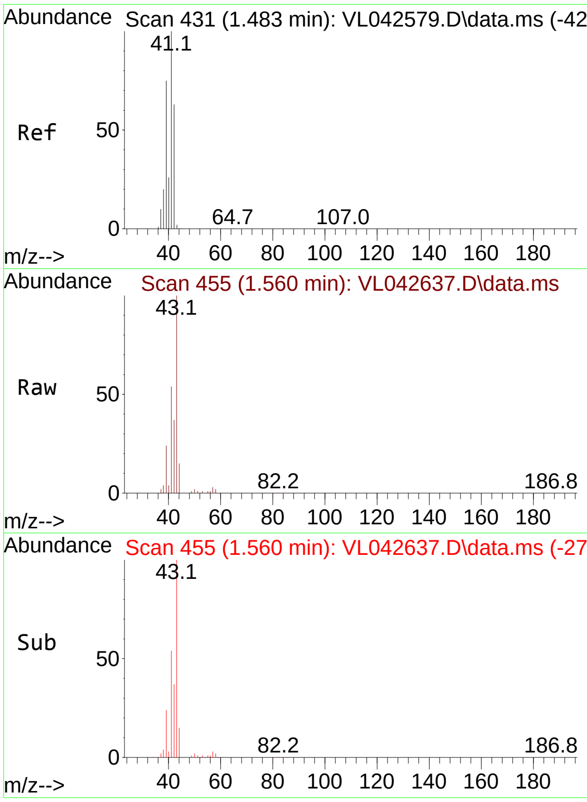


#4
Chloromethane
Concen: 0.162 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 50 Resp: 802

Ion	Ratio	Lower	Upper
50	100		
52	24.7	25.8	38.6#



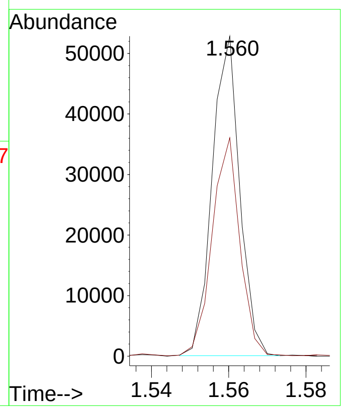


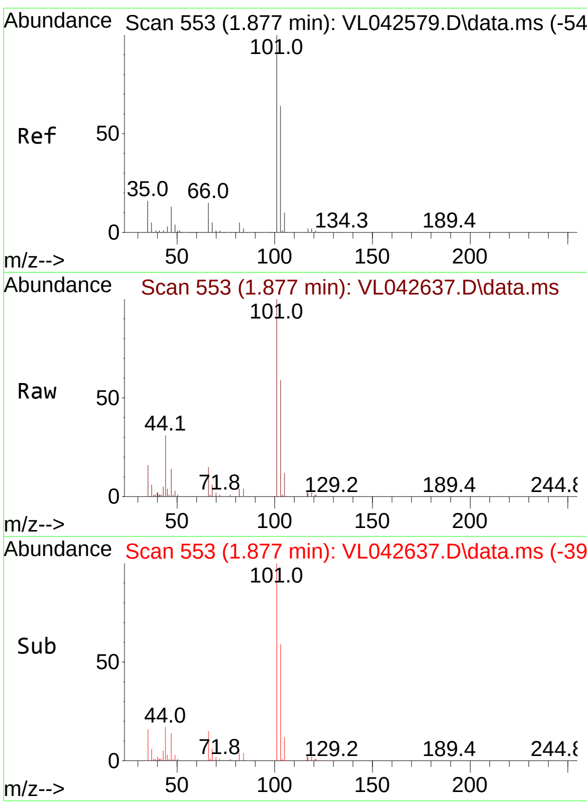
#9
Propene
Concen: 3.763 ppbv
RT: 1.560 min   Scan# 4
Delta R.T.   0.078 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 41 Resp: 26045

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.3	79.9

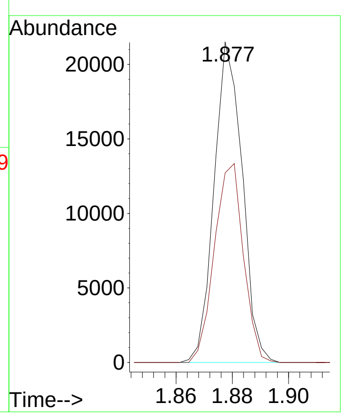


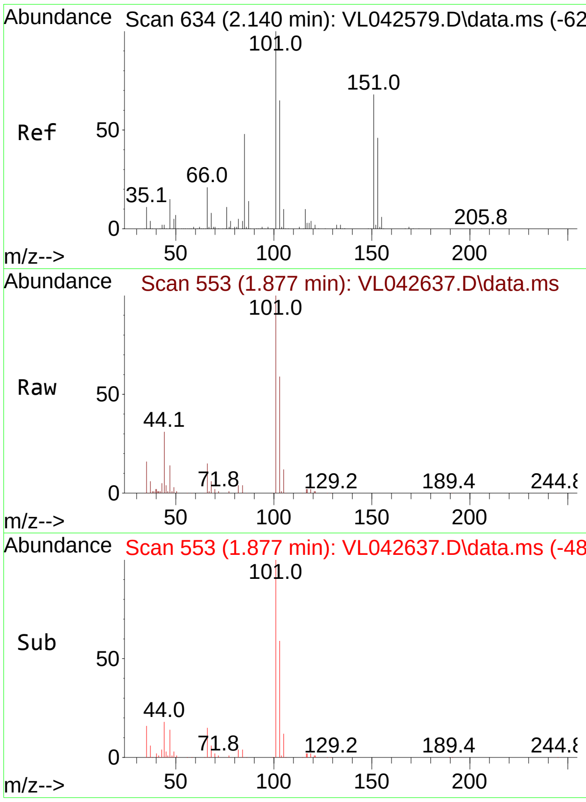


#11
Trichlorofluoromethane
Concen: 1.287 ppbv
RT: 1.877 min   Scan# 553
Delta R.T.   -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion:101 Resp: 14944

Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.5	77.3





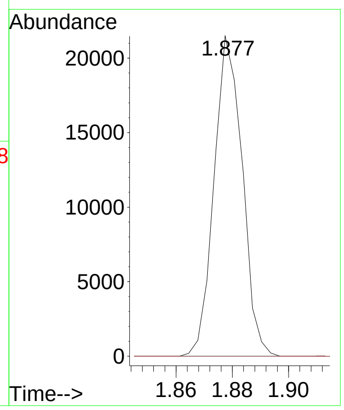
#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.639 ppbv
RT: 1.877 min   Scan# 5

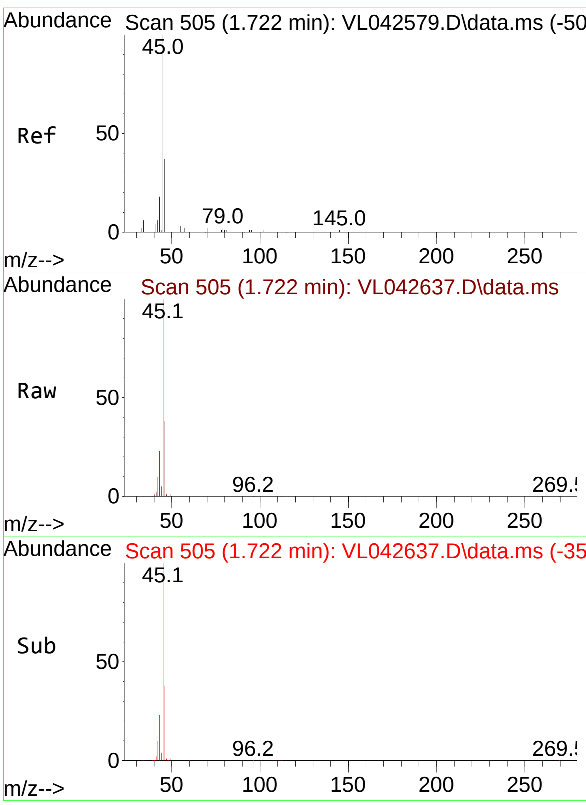
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Delta R.T.   -0.262 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion:101 Resp: 14944

Ion	Ratio	Lower	Upper
101	100		
151	0.1	55.3	82.9#

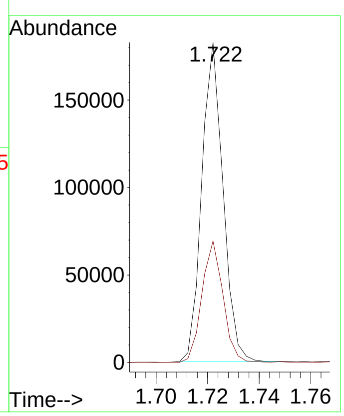


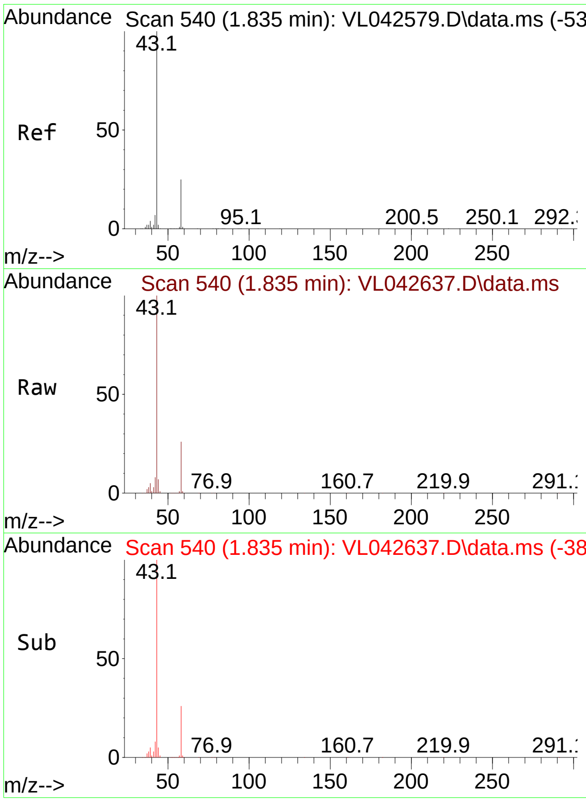


#13
Ethanol
Concen: 126.755 ppbv
RT: 1.722 min   Scan# 505
Delta R.T.   -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion: 45 Resp: 104557

Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.5	58.1



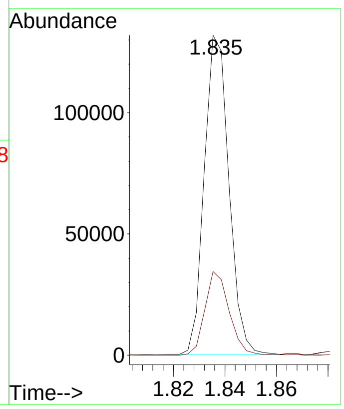


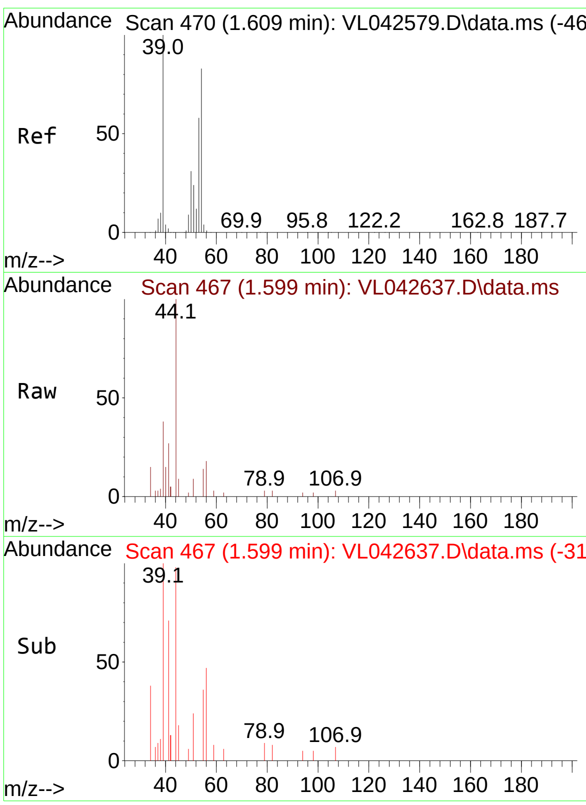
#15
Acetone
Concen: 7.158 ppbv
RT: 1.835 min   Scan# 54
Delta R.T.   -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 43 Resp: 87546

Ion	Ratio	Lower	Upper
43	100		
58	25.9	21.0	31.4

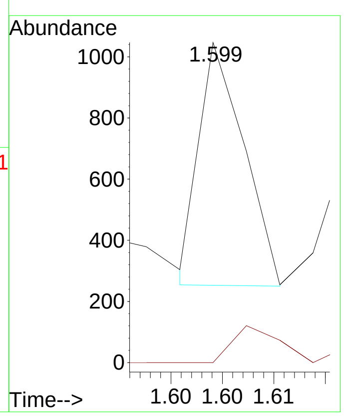


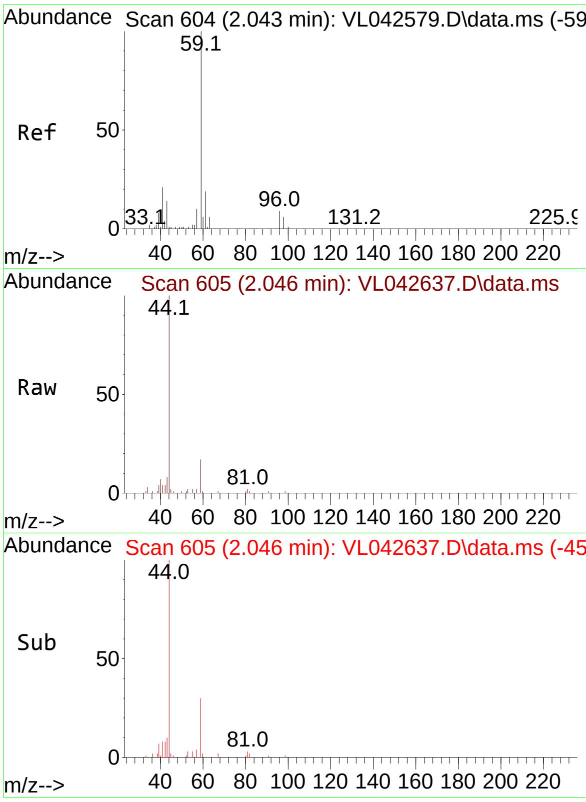


#16
1,3-Butadiene
Concen: 0.041 ppbv
RT: 1.599 min   Scan# 467
Delta R.T.   -0.010 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion: 39 Resp: 240

Ion	Ratio	Lower	Upper
39	100		
54	0.0	57.9	86.9#



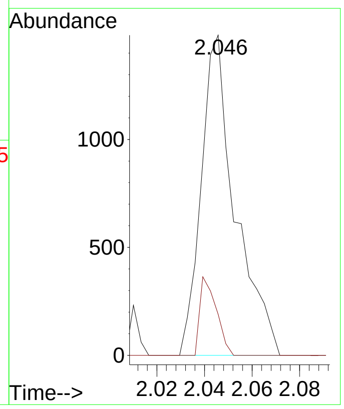


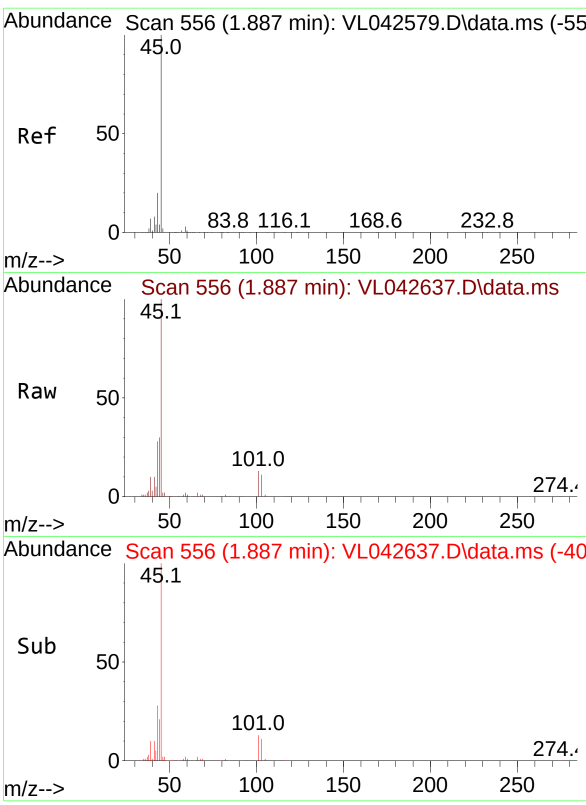
#17
tert-Butyl alcohol
Concen: 0.116 ppbv
RT: 2.046 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 59 Resp: 1476

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.6	12.8

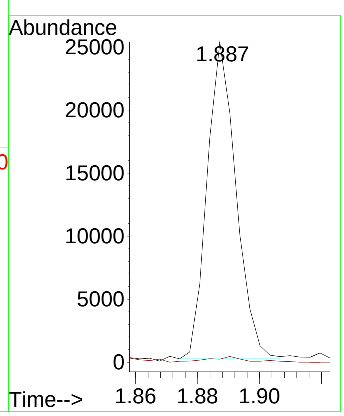


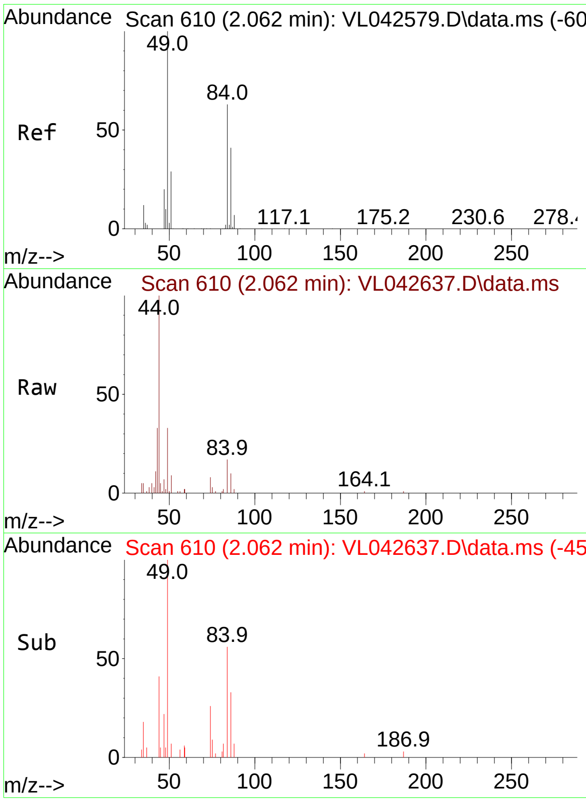


#19
Isopropyl Alcohol
Concen: 2.231 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 45 Resp: 16309

Ion	Ratio	Lower	Upper
45	100		
58	138.8	29.4	44.2#



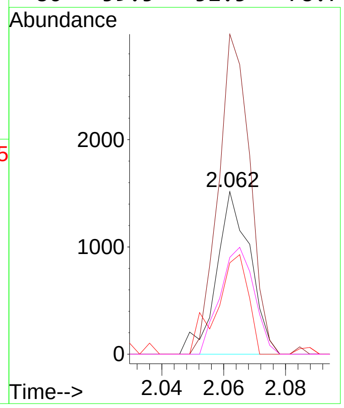


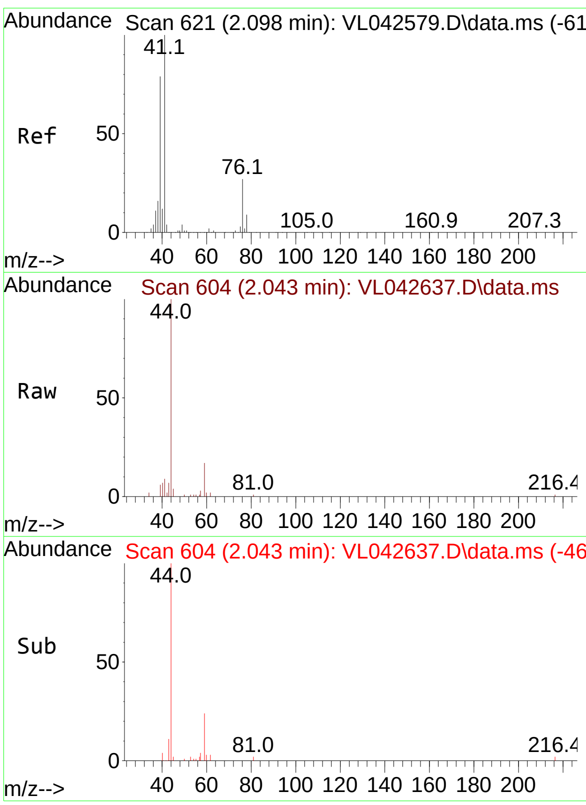
#20
Methylene Chloride
Concen: 0.283 ppbv
RT: 2.062 min   Scan# 61
Delta R.T.   -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 84 Resp: 1144

Ion	Ratio	Lower	Upper
84	100		
49	197.0	128.8	193.2#
51	56.2	38.6	57.8
86	59.5	52.5	78.7

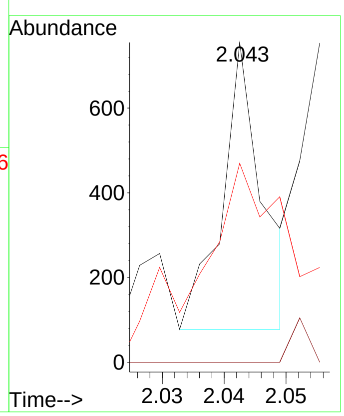


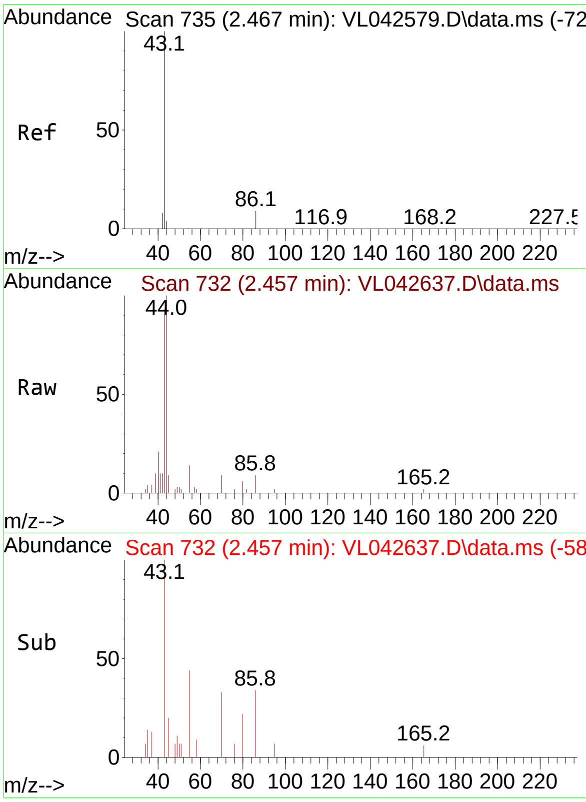


#21
Allyl Chloride
Concen: 0.035 ppbv
RT: 2.043 min   Scan# 604
Delta R.T.   -0.055 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion: 41 Resp: 305

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	157.0	60.9	91.3#



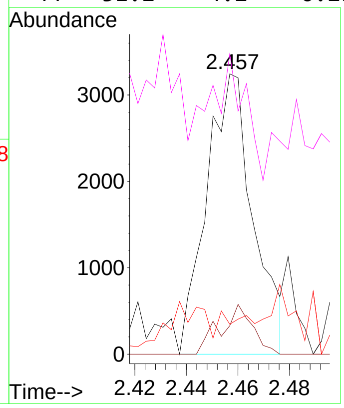


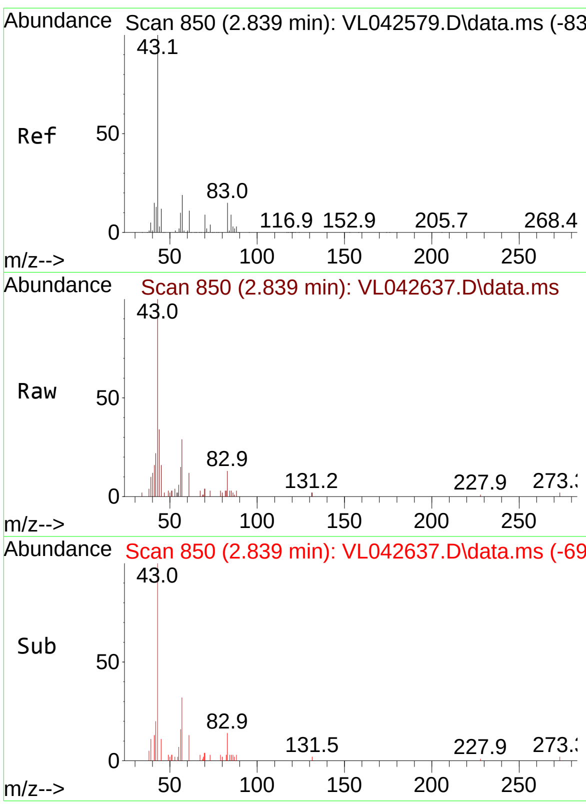
#23
Vinyl Acetate
Concen: 0.247 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 43 Resp: 4078

Ion	Ratio	Lower	Upper
43	100		
86	10.2	6.6	9.8#
42	0.0	7.0	10.4#
44	31.2	4.2	6.2#

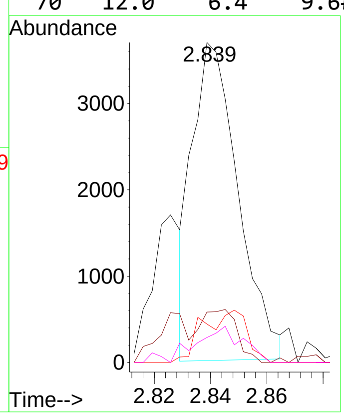


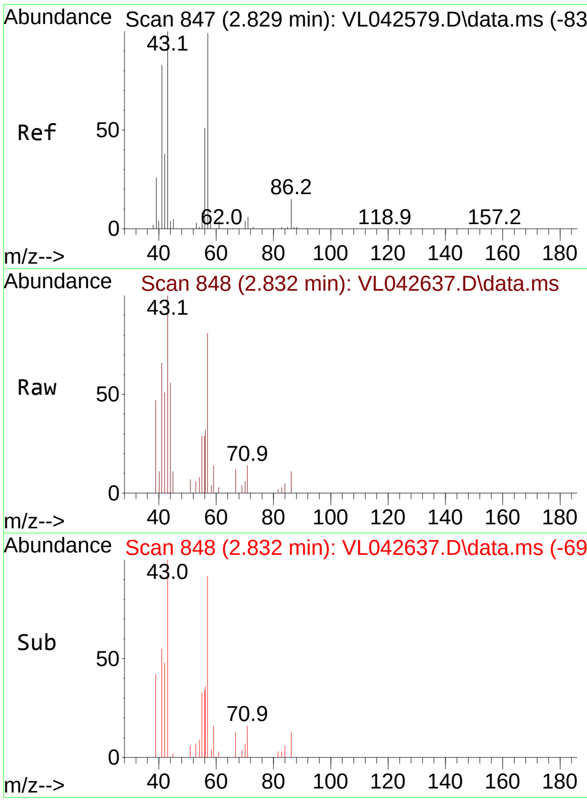


#25
Ethyl Acetate
Concen: 0.125 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 43 Resp: 4187

Ion	Ratio	Lower	Upper
43	100		
45	24.6	8.2	12.2#
61	15.8	7.1	10.7#
70	12.0	6.4	9.6#



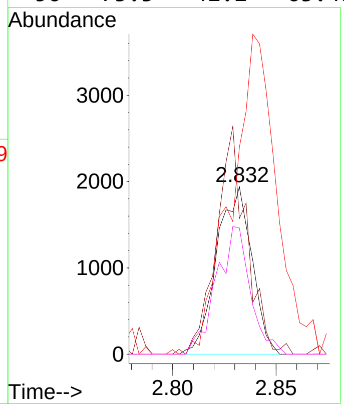


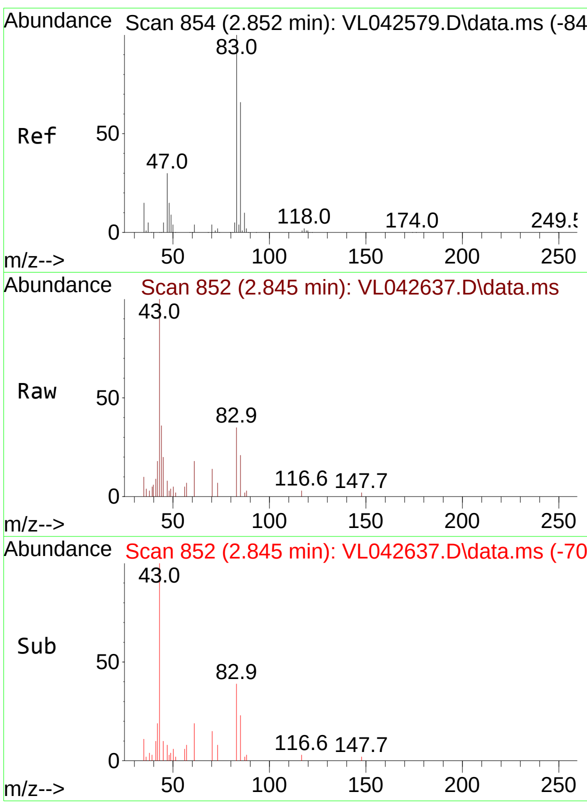
#26
Hexane
Concen: 0.151 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 57 Resp: 2298

Ion	Ratio	Lower	Upper
57	100		
41	118.4	70.6	106.0#
43	249.5	181.1	271.7
56	73.3	42.2	63.4#

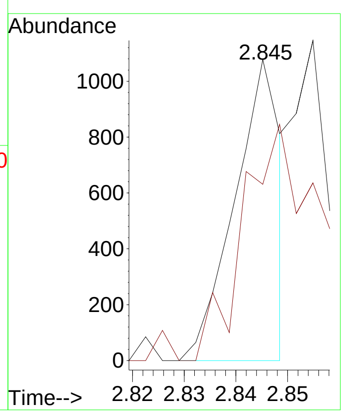


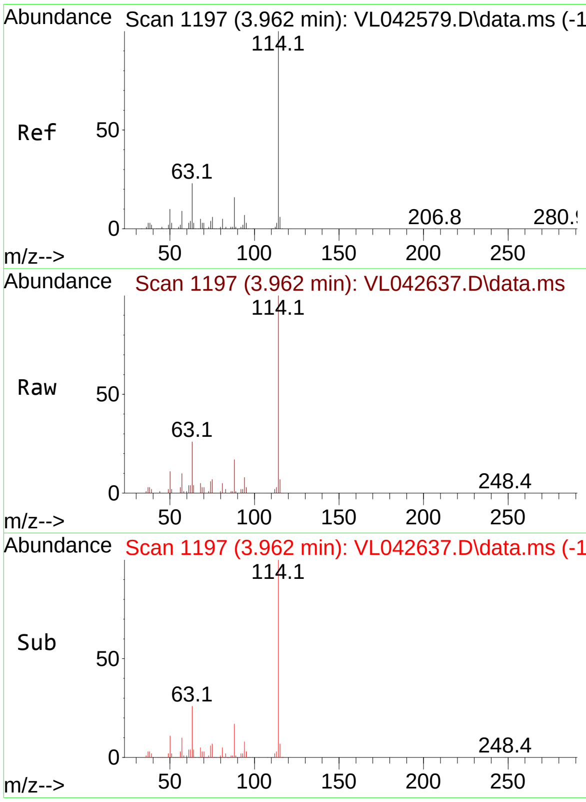


#29
Chloroform
Concen: 0.034 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.007 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 83 Resp: 669

Ion	Ratio	Lower	Upper
83	100		
85	58.5	52.8	79.2





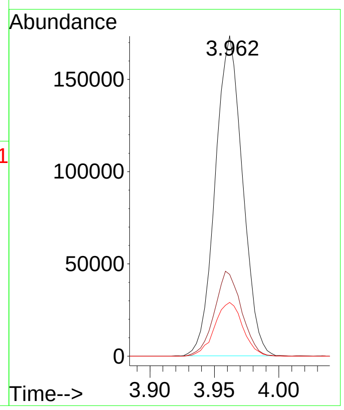
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1

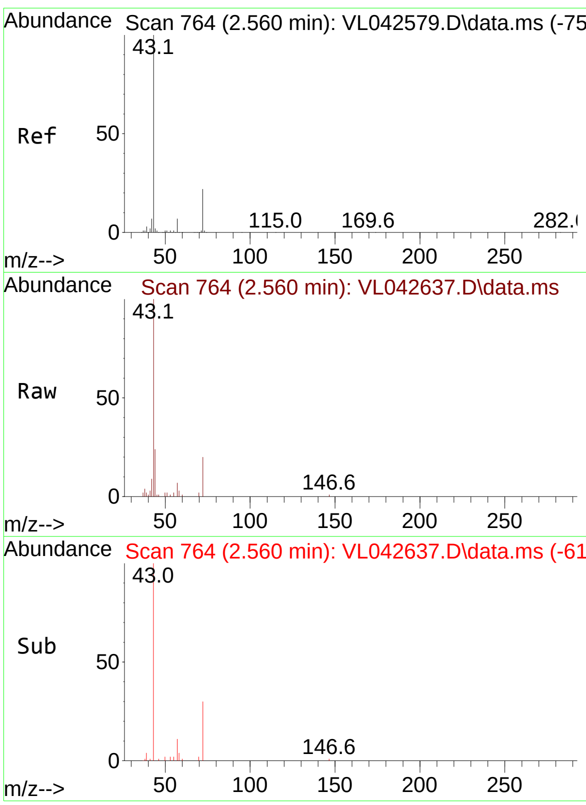
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion:114 Resp: 255635

Ion	Ratio	Lower	Upper
114	100		
63	26.3	19.0	28.6
88	17.4	13.6	20.4

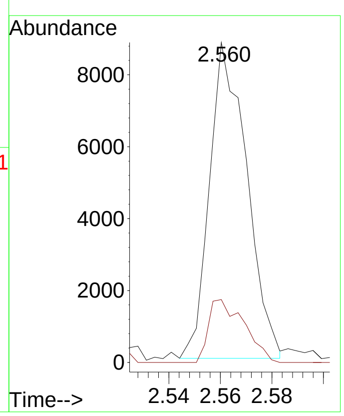


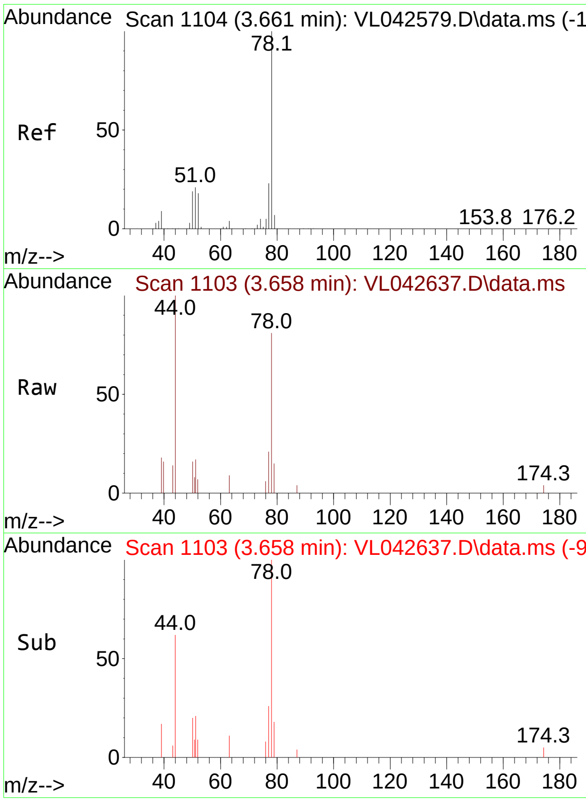


#34
2-Butanone
Concen: 0.483 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 43 Resp: 8807

Ion	Ratio	Lower	Upper
43	100		
72	19.2	17.7	26.5





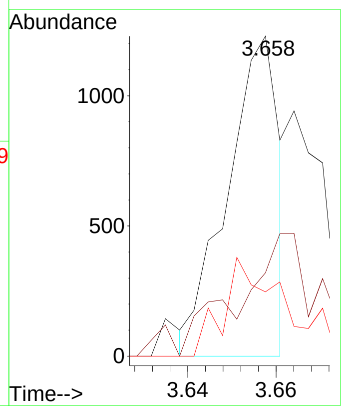
#36
Benzene
Concen: 0.040 ppbv
RT: 3.658 min   Scan# 1

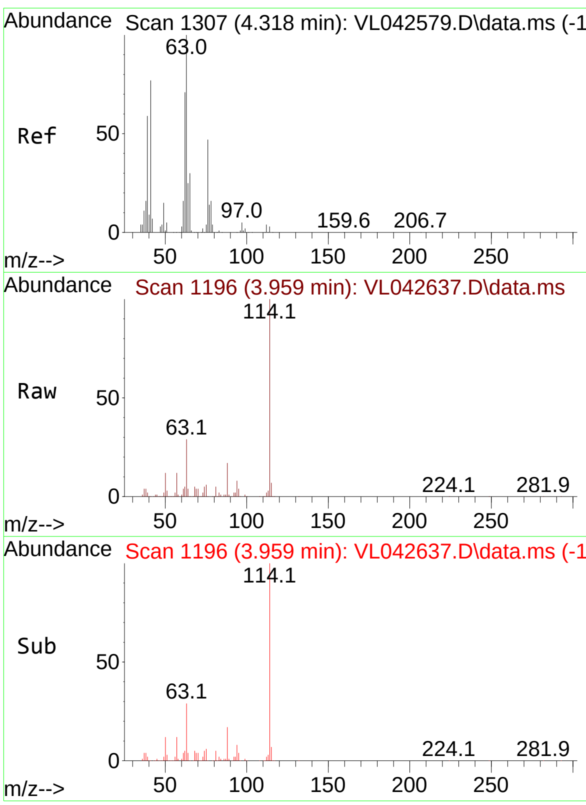
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Delta R.T.   -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion: 78 Resp: 995

Ion	Ratio	Lower	Upper
78	100		
77	28.3	18.2	27.2#
50	32.2	15.2	22.8#

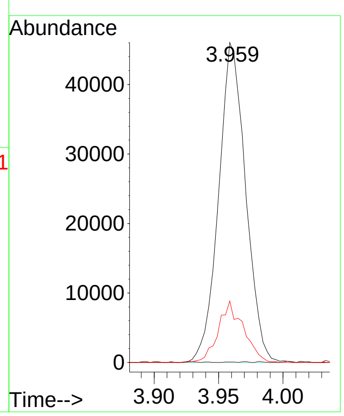


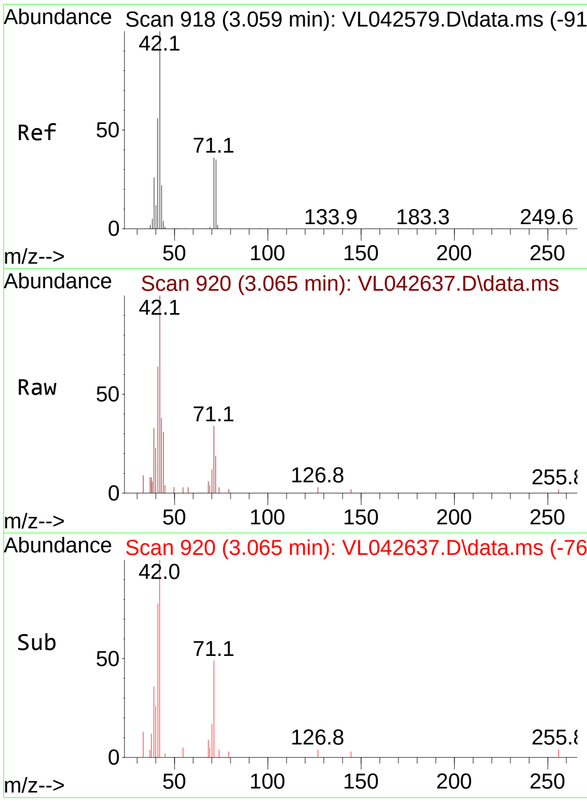


#39
1,2-Dichloropropane
Concen: 7.205 ppbv
RT: 3.959 min   Scan# 1196
Delta R.T.   -0.359 min
Lab File: VL042637.D
Acq: 16 Jun 2025   19:46

Tgt Ion: 63 Resp: 67071

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.8	92.6#
62	19.2	56.6	85.0#



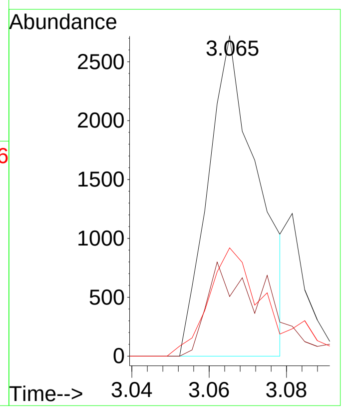


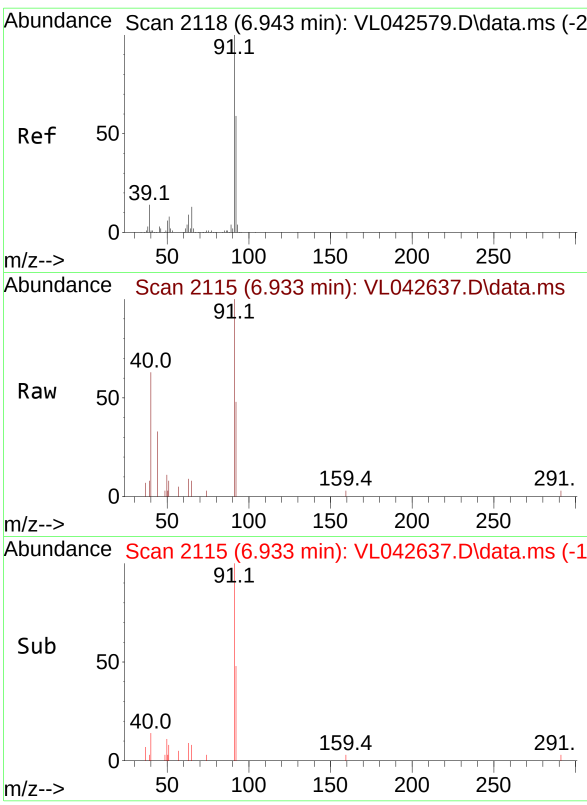
#41
Tetrahydrofuran
Concen: 0.228 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 42 Resp: 2429

Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.9	43.3
71	39.7	28.5	42.7

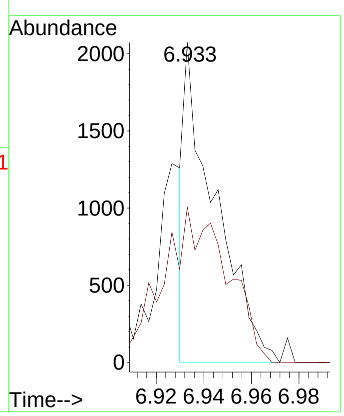


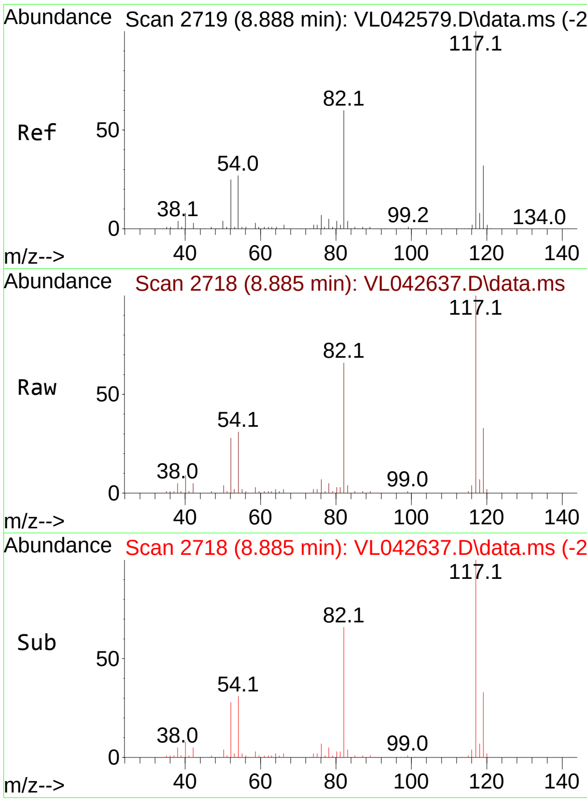


#53
Toluene
Concen: 0.064 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 91 Resp: 1854

Ion	Ratio	Lower	Upper
91	100		
92	103.0	48.2	72.4#



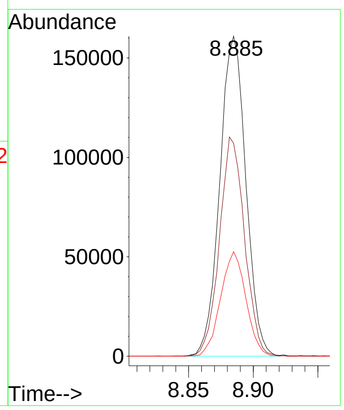


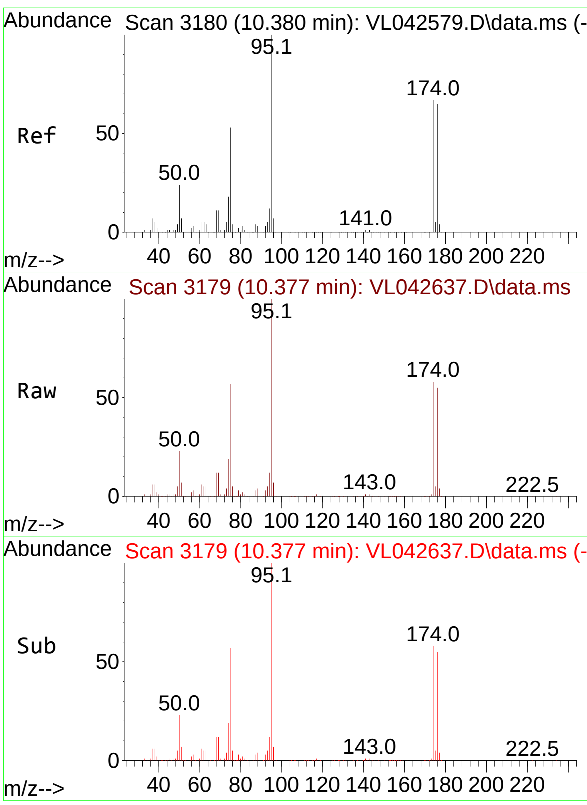
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion:117 Resp: 225996

Ion	Ratio	Lower	Upper
117	100		
82	65.8	51.2	76.8
119	31.8	26.3	39.5

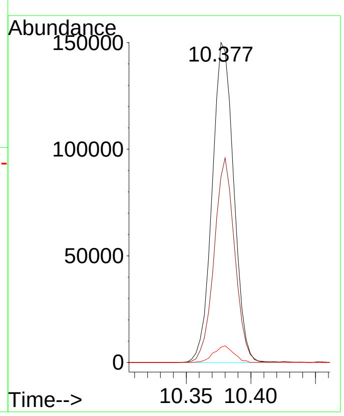


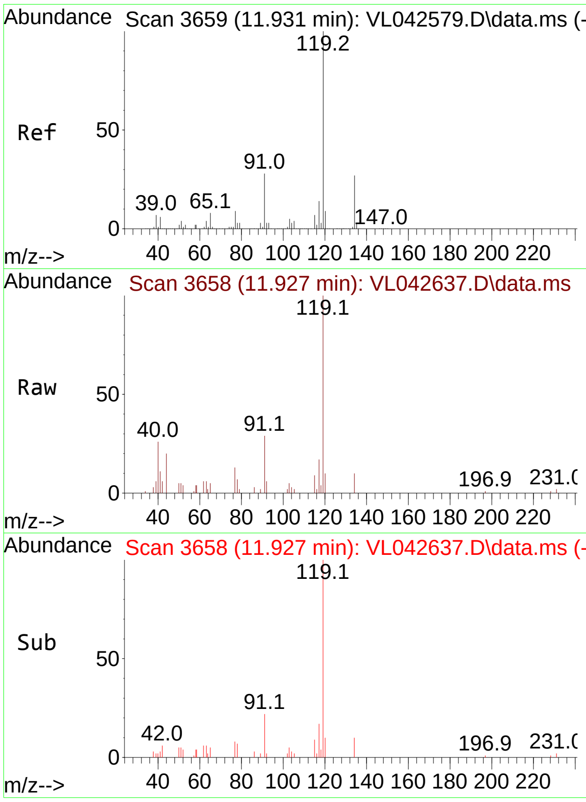


#68
1-Bromo-4-Fluorobenzene
Concen: 10.276 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion: 95 Resp: 174084

Ion	Ratio	Lower	Upper
95	100		
174	61.3	53.1	79.7
175	4.9	4.2	6.2



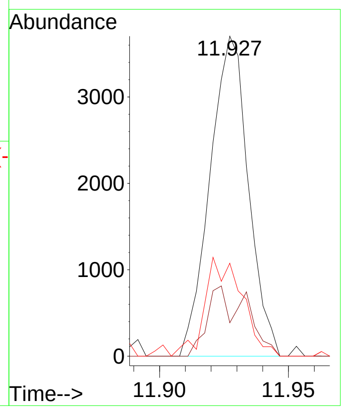


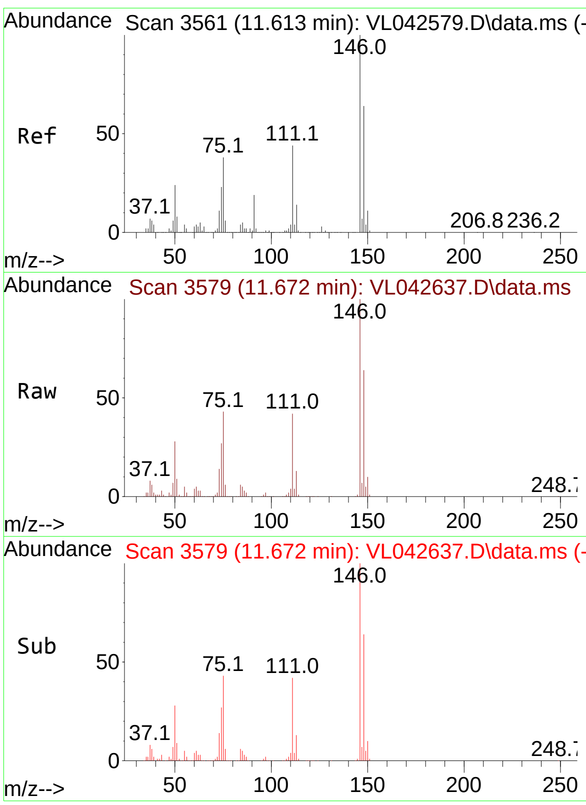
#69
p-Isopropyltoluene
Concen: 0.081 ppbv
RT: 11.927 min Scan# 3(
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion:119 Resp: 3845

Ion	Ratio	Lower	Upper
119	100		
134	22.0	21.1	31.7
91	30.9	21.9	32.9

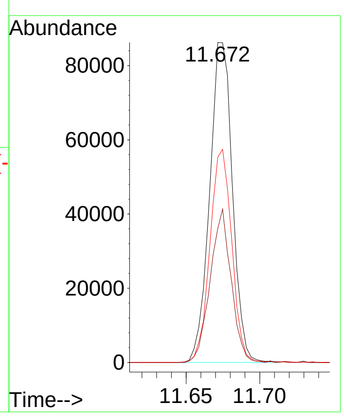


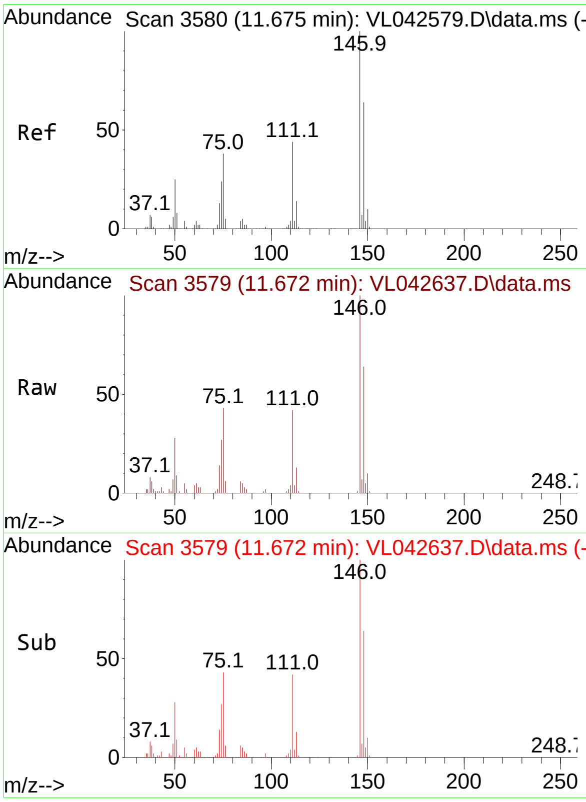


#75
1,3-Dichlorobenzene
Concen: 4.297 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.058 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion:146 Resp: 92972

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.3
148	64.0	32.0	96.2



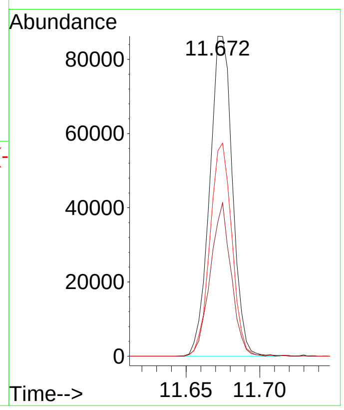


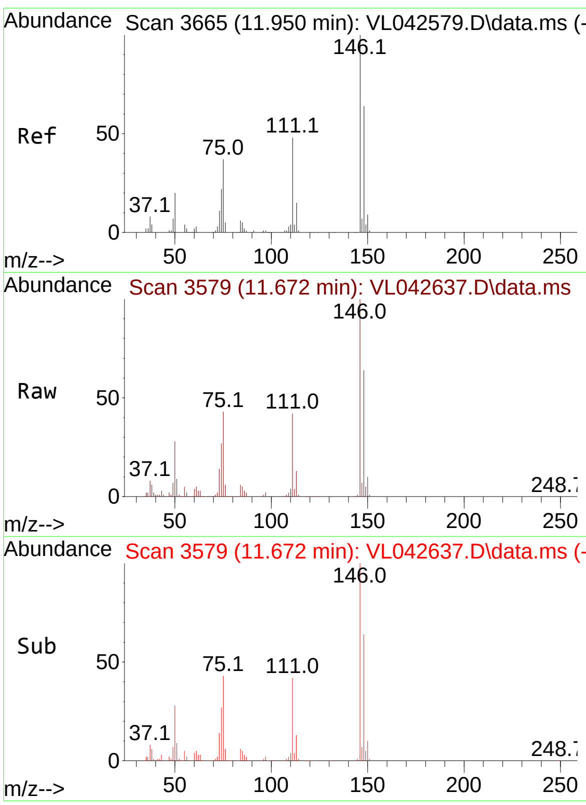
#76
1,4-Dichlorobenzene
Concen: 4.309 ppbv
RT: 11.672 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion:146 Resp: 92972

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	64.8
148	64.0	32.1	96.5





#77
1,2-Dichlorobenzene
Concen: 4.428 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.278 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion:146 Resp: 92972

Ion	Ratio	Lower	Upper
146	100		
111	44.1	23.1	69.3
148	64.0	32.1	96.3