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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : YELLOW CAB - TO-15

RTP ENVIRONMENTAL

239 US Highway 22 East

Green Brook, NJ - 08812

Phone No: 732-968-9600

ORDER ID : Q1586

ATTENTION : David Gabel

Laboratory Certification ID # 20012

Table Of Contents for Q1586

1) VOLATILES DATA 2

2) Signature Page 4

3) Shipping Document 5

3.1) Chain Of Custody 6

3.2) ROC 9

3.3) Lab Certificate 11

3.4) Internal COC 12

3.5) Air sample Pressure And Dilution Log Book 13

3.6) Storage Location 14

4) Case Narrative 15

5) Qualifier Page 23

6) QA Checklist 24

7) Chronicle 25

8) Hit Summary 26

9) Air Conversion Table 29

9.1) MDL 41

10) QC Data Summary For TO-15 49

10.1) Deuterated Monitoring Compound Summary 50

10.2) LCS/LCSD Summary 51

10.3) Duplicate Sample Summary 53

10.4) Method Blank Summary 55

10.5) GS/MS Tune Summary 56

10.6) Internal Standard Area and RT Summary 58

11) Sample Data 59

11.1) 565-SG-1 60

11.2) 565-SG-1DL 77

11.3) 565-SG-1DL2 90

11.4) 557-SG-1 99

11.5) 557-SG-2 114

11.6) 557-SG-2DL 135

12) Calibration Data Summary 146

12.1) Initial Calibration Data 146

12.1.1) VL022525 146

12.2) Continued Calibration Data 429

12.2.1) VL042150.D 429

13) QC Sample Data 477
13.1) Tune Raw Data 478
13.2) Method Blank Data 480
13.3) LCS Data 487
14) Manual Integration 534
15) Analytical Runlogs 539
16) Standard Prep Logs 543
17) Canister Data 555
18) Not Reviewed Data 592

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

Cover Page

Order ID : Q1586

Project ID : Yellow Cab - TO-15

Client : RTP Environmental

Lab Sample Number	Client Sample Number
Q1586-01	565-SG-1
Q1586-02	557-SG-1
Q1586-03	557-SG-2

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

Signature : _____

Date: 3/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

SHIPPING DOCUMENTS

CHEMTECH

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

CHEMTECH Project No. : Q1586

Client Contact Information	Bottle Order ID : **B2502031**	Courier :	1 of 3 COCs
Client ID : **RTPE01** Project ID : **Air**		Sampler Name(s) : DG	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **DAVID GABEL**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	Batch Certified	
	Site Details: Yellow Cab		
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : F-II deliverable	
Country :	Rush (Specify): _____ **Days**	EDD Type : PDF NJ Itemsite	

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		
565-56-1	3/14/25	1130	1230	-30	-7	50	50	-30	-7.5	10774	10448	6 L	100	VL041853.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 3/12/25	Canisters Received by:	Date/Time:	B2502031 - 1
Samples Relinquished by:	Date/Time: 3/14/25 1600	Received by:	Date/Time: 3-14-25 16:00	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

CHEMTECH

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

CHEMTECH Project No. : Q1586

Client Contact Information	Bottle Order ID : **B2502031**	Courier : ~~DC~~	2 of 3 COCs
Client ID : **RTPE01** Project ID : **Air**		Sampler Name(s) : DC	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **DAVID GABEL**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :		
	Site Details: Yellow Cab	Batch Certified	
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : Full deliverable	
Country :	Rush (Specify): _____ **Days**	EDD Type : NJ Hazsite	

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		
~~557~~ 557-36-1	3/14/25	1341	1441	-30	-10	65	65	-30	-8.0	10633	10609	6 L	100	VL041853.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: 3/12/25	Canisters Received by:	Date/Time:	
Samples Relinquished by: David Gabel	Date/Time: 3/14/25 1600	Received by: DC	Date/Time: 3-14-25 16:00	B2502031 - 3
Relinquished by:	Date/Time:	Received by:	Date/Time:	

CHEMTECH

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

CHEMTECH Project No. : Q1586

Client Contact Information	Bottle Order ID : **B2502031**	Courier :	3 of 3 COCs
Client ID : **RTPE01** Project ID : **Air**		Sampler Name(s) : DG	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **DAVID GABEL**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	Batch Certified	
	Site Details: Yellow Cab		
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : Full deliverable	
Country :	Rush (Specify): _____ **Days**	EDD Type : NJ Hazsite	

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		
557-S6-2	3/14/25	1340	1440	-30	-5	65	65	-30	-5.1	10188	10605	6 L	100	VL041853.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: 03/12/25	Canisters Received by:	Date/Time:	
Samples Relinquished by: 3/14/25 1600	Date/Time:	Received by:	Date/Time: 3/14-25 16:20	B2502031 - 2
Relinquished by: David Gabel	Date/Time:	Received by:	Date/Time:	

From: David Gabel <gabel@rtpenv.com>
Sent: Monday, March 17, 2025 11:18 AM
To: Data-EWR@alliancetg.com
Cc: YAZMEEN@CHEMTECH.NET
Subject: RE: Login Summary Details For Project Yellow Cab - TO-15-Q1586.

Hi Yazmeen, can you change the sample IDs. The 56 should be the letters "SG" for Soil Gas.

Sample IDs should be 565-SG-1, 557-SG-1, and 557-SG-2. Thanks

Dave

David Gabel
Sr. Project Manager, LSRP
RTP Environmental Associates, Inc.
239 U.S. Highway 22 East, Green Brook, NJ 08812
Office: 732-968-9600 | Cell: 732-996-3716
Email: gabel@rtpenv.com | Website: www.rtpenv.com

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Monday, March 17, 2025 11:12 AM
To: David Gabel <gabel@rtpenv.com>
Cc: YAZMEEN@CHEMTECH.NET
Subject: Login Summary Details For Project Yellow Cab - TO-15-Q1586.

To David Gabel;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q1586
Project ID	: Yellow Cab - TO-15
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 3/17/2025 9:31:17 AM

CHEMTECH's Project Manager : YAZMEEN GOMEZ , YAZMEEN@CHEMTECH.NET , 908-357-0579 Ext :3149
CHEMTECH's Sales Executive : Jordan Hedvat , jordan@chemtech.net , 908-728-3144 Ext :

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey http://chemtech.net/ClientSurvey.aspx .

Thank you,

Alliance Technical Group LLC.

Notice: The information transmitted in this e-mail message and in any attachments is intended Solely for the attention of the named addressee(s) and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is strictly prohibited and may be unlawful. If you have received this transmission in error, please notify us immediately by return e-mail, and permanently delete this transmission, including attachments if any, from any computer.

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

Laboratory Certification

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

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
~~SORGE~~
Field Sample Seal No.: Q1586
Case No.: Yellow Cab - TO-15

Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Date Broken: 3/14/2025
Military Time Seal Broken: 16:00:00
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1586-01	SG 565-56-1		
Q1586-02	SG 557-56-1		
Q1586-03	557-56-2		
	SG		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
3/17	1015	Signature [signature]	Signature [signature]	
		Printed Name George N.	Printed Name [illegible]	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

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

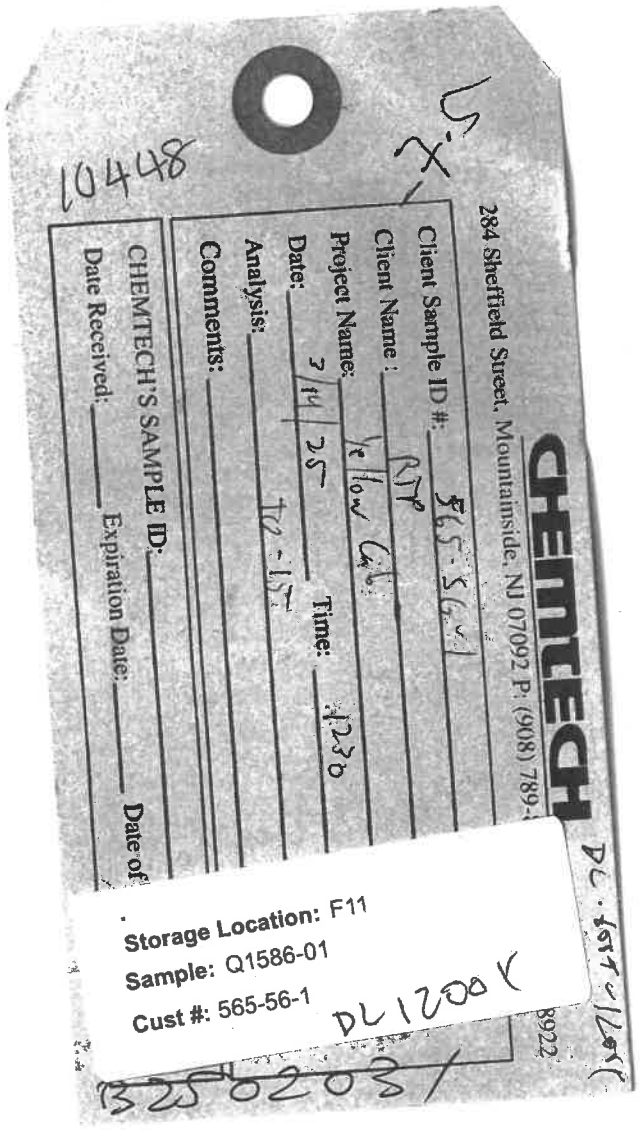
CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

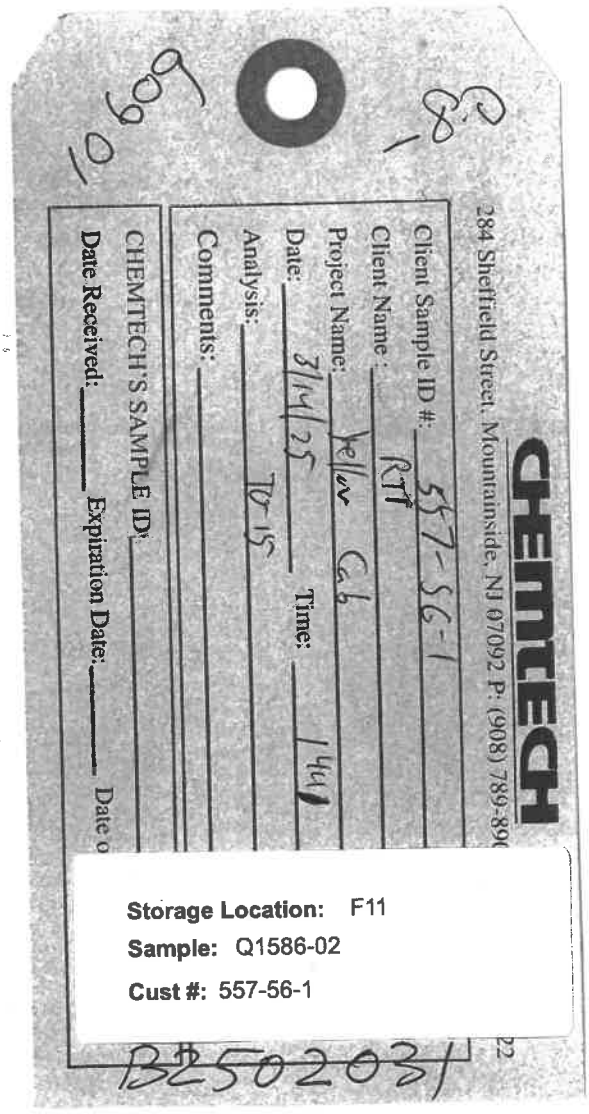
AIR SAMPLE PRESSURE & DILUTION LOGBOOK

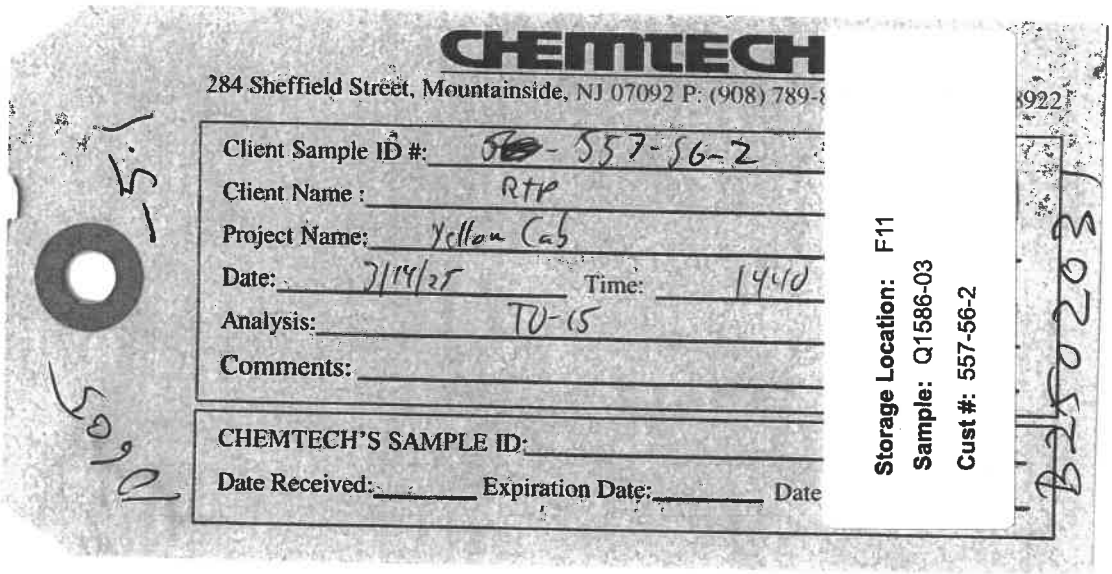
Analyst Signature: _____ Supervisor Signature: _____

METHOD: TO-15 Pressure Gauge ID: A255971

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
03/5/25	Q1488-04	10721	1.0		30		30X	Sy
03/06/25	Q1506-01	10054	12.6	-4.3				Sy
"	Q1506-02	10329	12.2	-5.1				Sy
03/07/25	Q1532-01	10303	12.4	-4.7				
	Q1532-02	10590	13.4	-2.7				
	Q1532-03	10279	12.6	-4.3				
	Q1532-04	10295	12.4	-4.7				
03/14/25	Q1533-01	10296	11.6	-6.3				Sy
	Q1533-02	10321	11.2	-7.1				
	Q1533-03	10410	12.2	-5.1				
	Q1533-04	10266	12.4	-4.7				
	Q1533-05	10153	12.8	-3.9				
03/14/25	Q1586-01	10448	11.0	-7.5				Sy
	Q1586-02	10609	10.8	-8.0				
	Q1586-03	10605	12.2	-5.1				


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-
Client Sample ID #: 565-56-1
Client Name: RTP
Project Name: Yellow Cab
Date: 3/14/25 Time: 1230
Analysis: TO-15
Comments:
CHEMTECH'S SAMPLE ID:
Date Received: Expiration Date: Date
Storage Location: F11
Sample: Q1586-01
Cust #: 565-56-1
10448
B2502031


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-
Client Sample ID #: 557-56-1
Client Name: RTP
Project Name: Yellow Cab
Date: 3/14/25 Time: 1440
Analysis: TO-15
Comments:
CHEMTECH'S SAMPLE ID:
Date Received: Expiration Date: Date
Storage Location: F11
Sample: Q1586-02
Cust #: 557-56-1
10609
B2502031


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-
Client Sample ID #: 557-56-2
Client Name: RTP
Project Name: Yellow Cab
Date: 3/14/25 Time: 1440
Analysis: TO-15
Comments:
CHEMTECH'S SAMPLE ID:
Date Received: Expiration Date: Date
Storage Location: F11
Sample: Q1586-03
Cust #: 557-56-2
5091
B2502031

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
Chemtech Project # Q1586
Test Name: TO-15

A. Number of Samples and Date of Receipt:
3 Air samples were received on 03/14/2025.

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 met criteria.
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 565-S6-1 was initially diluted.
.
Samples 565-S6-1, 565-S6-1DL and 557-S6-2 were diluted due to high concentrations.

E. Additional Comments:
The Sample #565-SG-1, 557-SG-2 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.
The not QT review data is reported in the Miscellaneous.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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

The Manual Integrations are performed for the followings.

Manual Integration Report			
Sequence	VL022525	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042041.D	m/p-Xylene	MMDadoda	3/6/2025 1:12:13 AM	SAM	3/6/2025 1:24:10 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042042.D	m/p-Xylene	SAM	2/26/2025 7:41:55 AM	MMDadoda	2/26/2025 1:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	1,1,2-Trichloroethane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	1,4-Dioxane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	4-Methyl-2-Pentanone	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	Benzyl Chloride	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	cis-1,3-Dichloropropene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	Ethanol	SAM	2/26/2025 7:42:26	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by

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

				AM			Software incorrectly
VSTDICC001	VL042043.D	Heptane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	m/p-Xylene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	t-1,3-Dichloropropene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.D	trans-1,2-Dichloroethene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,1,2-Trichloroethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,2-Dibromoethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,2-Dichloropropane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,4-Dioxane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	2-Hexanone	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrect

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

							ly
VSTDICC0.5	VL042044.D	4-Methyl-2-Pentanone	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	cis-1,3-Dichloropropene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	Dibromochloromethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	m/p-Xylene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	t-1,3-Dichloropropene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	trans-1,2-Dichloroethene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	1,1,2,2-Tetrachloroethane	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	1,2-Dibromoethane	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	Carbon Tetrachloride	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045	Tetrachloroethene	SAM	2/26/20	MMDadoda	2/26/2025	Peak

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

	.D			25 7:42:22 AM		1:45:12 PM	Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	Trichloroethene	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	1,1,1-Trichloroethane	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	1,1,2,2-Tetrachloroethane	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	Carbon Tetrachloride	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	Tetrachloroethene	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	Trichloroethene	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL042047.D	m/p-Xylene	SAM	2/26/2025 7:42:16 AM	MMDadoda	2/26/2025 1:45:16 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042048.D	m/p-Xylene	SAM	2/26/2025 7:42:09 AM	MMDadoda	2/26/2025 1:45:17 PM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sequence	VL031725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042150.D	m/p-Xylene	SAM	3/18/2025 8:21:13 AM	MMDadoda	3/18/2025 1:56:42 PM	Peak Integrated by Software incorrectly
VL0317ABS01	VL042152.D	m/p-Xylene	SAM	3/18/2025 8:21:23 AM	MMDadoda	3/18/2025 1:56:43 PM	Peak Integrated by Software incorrectly
Q1586-01	VL042154.D	Propene	SAM	3/18/2025 8:23:13 AM	MMDadoda	3/18/2025 1:56:47 PM	Peak Integrated by Software incorrectly
Q1586-01	VL042154.D	Trichloroethene	SAM	3/18/2025 8:23:13 AM	MMDadoda	3/18/2025 1:56:47 PM	Peak Integrated by Software incorrectly
Q1586-01DL	VL042155.D	2-Butanone	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software incorrectly
Q1586-01DL	VL042155.D	Ethanol	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software incorrectly
Q1586-01DL	VL042155.D	o-Xylene	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software incorrectly
Q1586-01DL	VL042155.D	Propene	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software incorrectly

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

Q1586-03	VL042158.D	Bromodichloromethane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	Chlorodifluoromethane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	Cyclohexane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	Heptane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	m/p-Xylene	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	Tetrahydrofuran	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	Toluene	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-03	VL042158.D	Trichloroethene	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software incorrectly
Q1586-02	VL042159.D	Carbon Tetrachloride	SAM	3/18/2025 8:23:27 AM	MMDadoda	3/18/2025 1:56:55 PM	Peak Integrated by Software incorrectly
Q1586-02	VL042159.D	Propene	SAM	3/18/2025	MMDadoda	3/18/2025 1:56:55	Peak Integrate

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

				8:23:27 AM		PM	d by Software incorrectly

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1586

	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:** 03/21/2025

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

LAB CHRONICLE

OrderID:	Q1586	**OrderDate:**	3/17/2025 9:31:17 AM
Client:	RTP Environmental	**Project:**	Yellow Cab - TO-15
Contact:	David Gabel	**Location:**	F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1586-01	**565-SG-1**	**Air**			**03/14/25**			**03/14/25**
			TO-15	TO-15			03/17/25	
Q1586-01DL	**565-SG-1DL**	**Air**			**03/14/25**			**03/14/25**
			TO-15	TO-15			03/17/25	
Q1586-01DL2	**565-SG-1DL2**	**Air**			**03/14/25**			**03/14/25**
			TO-15	TO-15			03/17/25	
Q1586-02	**557-SG-1**	**Air**			**03/14/25**			**03/14/25**
			TO-15	TO-15			03/17/25	
Q1586-03	**557-SG-2**	**Air**			**03/14/25**			**03/14/25**
			TO-15	TO-15			03/17/25	
Q1586-03DL	**557-SG-2DL**	**Air**			**03/14/25**			**03/14/25**
			TO-15	TO-15			03/17/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1586

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**565-SG-1**							
Q1586-01	565-SG-1	Air	Heptane	2340	E	1.80	8.20	ug/m3
Q1586-01	565-SG-1	Air	Acetone	285	E	2.28	4.75	ug/m3
Q1586-01	565-SG-1	Air	Cyclohexane	2480	E	3.03	6.88	ug/m3
Q1586-01	565-SG-1	Air	2-Butanone	98.8		1.42	5.90	ug/m3
Q1586-01	565-SG-1	Air	Benzene	926	E	1.12	6.39	ug/m3
Q1586-01	565-SG-1	Air	Trichloroethene	2.10		0.38	0.64	ug/m3
Q1586-01	565-SG-1	Air	Toluene	74.6		1.66	7.54	ug/m3
Q1586-01	565-SG-1	Air	Tetrachloroethene	121		0.41	0.81	ug/m3
Q1586-01	565-SG-1	Air	Ethyl Benzene	46.5		2.08	8.69	ug/m3
Q1586-01	565-SG-1	Air	m/p-Xylene	169		3.65	17.4	ug/m3
Q1586-01	565-SG-1	Air	o-Xylene	50.4		2.08	8.69	ug/m3
Q1586-01	565-SG-1	Air	1,3,5-Trimethylbenzene	10.3		2.16	9.83	ug/m3
Q1586-01	565-SG-1	Air	1,2,4-Trimethylbenzene	17.7		1.52	9.83	ug/m3
Q1586-01	565-SG-1	Air	4-Ethyltoluene	5.90	J	2.36	9.83	ug/m3
Q1586-01	565-SG-1	Air	Hexane	3420	E	1.55	7.05	ug/m3
			Total Voc :	10000				
			Total Concentration:	10000				
Client ID:	**565-SG-1DL**							
Q1586-01DL	565-SG-1DL	Air	Heptane	3400	ED	18.0	82.0	ug/m3
Q1586-01DL	565-SG-1DL	Air	Cyclohexane	3790	ED	30.3	68.8	ug/m3
Q1586-01DL	565-SG-1DL	Air	2-Butanone	117	D	14.2	59.0	ug/m3
Q1586-01DL	565-SG-1DL	Air	Benzene	1410	D	11.2	63.9	ug/m3
Q1586-01DL	565-SG-1DL	Air	Toluene	74.6	JD	16.6	75.4	ug/m3
Q1586-01DL	565-SG-1DL	Air	Tetrachloroethene	142	D	4.07	8.14	ug/m3
Q1586-01DL	565-SG-1DL	Air	Ethyl Benzene	38.2	JD	20.9	86.9	ug/m3
Q1586-01DL	565-SG-1DL	Air	m/p-Xylene	148	JD	36.5	174	ug/m3
Q1586-01DL	565-SG-1DL	Air	o-Xylene	44.7	JD	20.9	86.9	ug/m3
Q1586-01DL	565-SG-1DL	Air	Hexane	16200	ED	15.5	70.5	ug/m3
			Total Voc :	25400				
			Total Concentration:	25400				
Client ID:	**565-SG-1DL2**							
Q1586-01DL2	565-SG-1DL2	Air	Heptane	2420	D	270	1230	ug/m3
Q1586-01DL2	565-SG-1DL2	Air	Cyclohexane	2680	D	447	1030	ug/m3
Q1586-01DL2	565-SG-1DL2	Air	Benzene	1340	D	167	958	ug/m3
Q1586-01DL2	565-SG-1DL2	Air	Hexane	21900	D	233	1060	ug/m3
			Total Voc :	28300				
			Total Concentration:	28300				

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

Hit Summary Sheet
SW-846

SDG No.: Q1586

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**557-SG-1**							
Q1586-02	557-SG-1	Air	Dichlorodifluoromethane	2.67		1.04	2.47	ug/m3
Q1586-02	557-SG-1	Air	Trichlorofluoromethane	1.74	J	0.90	2.81	ug/m3
Q1586-02	557-SG-1	Air	tert-Butyl alcohol	0.73	J	0.58	1.52	ug/m3
Q1586-02	557-SG-1	Air	Acetone	20.2		0.57	1.19	ug/m3
Q1586-02	557-SG-1	Air	Carbon Disulfide	4.67		0.50	1.56	ug/m3
Q1586-02	557-SG-1	Air	Methylene Chloride	1.74		0.66	1.74	ug/m3
Q1586-02	557-SG-1	Air	2-Butanone	2.01		0.35	1.47	ug/m3
Q1586-02	557-SG-1	Air	Carbon Tetrachloride	0.50		0.060	0.19	ug/m3
Q1586-02	557-SG-1	Air	Chloroform	3.81		0.39	2.44	ug/m3
Q1586-02	557-SG-1	Air	Benzene	0.35	J	0.29	1.60	ug/m3
Q1586-02	557-SG-1	Air	Tetrachloroethene	21.0		0.14	0.20	ug/m3
Q1586-02	557-SG-1	Air	Hexane	1.02	J	0.39	1.76	ug/m3
			Total Voc :	60.5				
			Total Concentration:	60.5				
Client ID:	**557-SG-2**							
Q1586-03	557-SG-2	Air	Dichlorodifluoromethane	2.77		1.04	2.47	ug/m3
Q1586-03	557-SG-2	Air	Chloromethane	0.60	J	0.21	1.03	ug/m3
Q1586-03	557-SG-2	Air	Trichlorofluoromethane	1.69	J	0.90	2.81	ug/m3
Q1586-03	557-SG-2	Air	tert-Butyl alcohol	1.73		0.58	1.52	ug/m3
Q1586-03	557-SG-2	Air	Heptane	1.15	J	0.45	2.05	ug/m3
Q1586-03	557-SG-2	Air	Acetone	36.1	E	0.57	1.19	ug/m3
Q1586-03	557-SG-2	Air	Carbon Disulfide	7.47		0.50	1.56	ug/m3
Q1586-03	557-SG-2	Air	Methylene Chloride	2.08		0.66	1.74	ug/m3
Q1586-03	557-SG-2	Air	2-Butanone	3.83		0.35	1.47	ug/m3
Q1586-03	557-SG-2	Air	Carbon Tetrachloride	0.57		0.060	0.19	ug/m3
Q1586-03	557-SG-2	Air	cis-1,2-Dichloroethene	0.56	J	0.36	1.98	ug/m3
Q1586-03	557-SG-2	Air	Chloroform	41.5		0.39	2.44	ug/m3
Q1586-03	557-SG-2	Air	Benzene	11.2		0.29	1.60	ug/m3
Q1586-03	557-SG-2	Air	Trichloroethene	2.53		0.11	0.16	ug/m3
Q1586-03	557-SG-2	Air	Bromodichloromethane	2.14	J	0.54	3.35	ug/m3
Q1586-03	557-SG-2	Air	Toluene	0.75	J	0.41	1.88	ug/m3
Q1586-03	557-SG-2	Air	Tetrachloroethene	88.8		0.14	0.20	ug/m3
Q1586-03	557-SG-2	Air	1,2,4-Trimethylbenzene	1.67	J	0.39	2.46	ug/m3
Q1586-03	557-SG-2	Air	Naphthalene	4.04		0.42	0.52	ug/m3
Q1586-03	557-SG-2	Air	Hexane	2.47		0.39	1.76	ug/m3
			Total Voc :	214				

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

Hit Summary Sheet
SW-846

SDG No.: Q1586

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	214				
Client ID:	**557-SG-2DL**							
Q1586-03DL	557-SG-2DL	Air	Acetone	38.0	D	5.70	11.9	ug/m3
Q1586-03DL	557-SG-2DL	Air	2-Butanone	4.72	JD	3.54	14.8	ug/m3
Q1586-03DL	557-SG-2DL	Air	Chloroform	41.5	D	4.05	24.4	ug/m3
Q1586-03DL	557-SG-2DL	Air	Benzene	9.90	JD	2.78	16.0	ug/m3
Q1586-03DL	557-SG-2DL	Air	Tetrachloroethene	79.3	D	1.02	2.03	ug/m3
			Total Voc :	173				
			Total Concentration:	173				

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 565-SG-1 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-01 **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	0.84	U	4.15		
Chloromethane	74-87-3	50.49	0.39	U	0.81		
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	0.68	U	1.79		
Tetrahydrofuran	109-99-9	72.11	0.52	U	1.53		
Trichlorofluoromethane	75-69-4	137.4	0.64	U	3.6		
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	570	E	2335		
1,1-Dichloroethene	75-35-4	96.94	0.56	U	2.22		
Acetone	67-64-1	58.08	120	E	285		
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	0.76	U	2.64		
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	720	E	2478		
2-Butanone	78-93-3	72.11	33.5		98.8		
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	0.33	U	1.61		
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	290	E	926		
1,2-Dichloroethane	107-06-2	98.96	0.36	U	1.46		
Trichloroethene	79-01-6	131.4	0.39		2.1		
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	19.8		74.6		
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		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 565-SG-1 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-01 **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	17.9		121		
Chlorobenzene	108-90-7	112.6	0.3	U	1.38		
Ethyl Benzene	100-41-4	106.2	10.7		46.5		
m/p-Xylene	179601-23-1	106.2	39		169		
o-Xylene	95-47-6	106.2	11.6		50.4		
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	2.1		10.3		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.6		17.7		
1,3-Dichlorobenzene	541-73-1	147	0.32	U	1.92		
1,4-Dichlorobenzene	106-46-7	147	0.21	U	1.26		
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	1.2	J	5.9		
Hexane	110-54-3	86.17	970	E	3418		
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	0.34	U	1.39		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 565-SG-1DL **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-01DL **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	8.4	UD	41.5		
Chloromethane	74-87-3	50.49	3.9	UD	8.05		
Vinyl Chloride	75-01-4	62.5	0.56	UD	1.43		
Bromomethane	74-83-9	94.94	5.6	UD	21.7		
Chloroethane	75-00-3	64.52	6.8	UD	17.9		
Tetrahydrofuran	109-99-9	72.11	5.2	UD	15.3		
Trichlorofluoromethane	75-69-4	137.4	6.4	UD	36.0		
Dichlorotetrafluoroethane	76-14-2	170.9	3.5	UD	24.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	6.4	UD	49.0		
tert-Butyl alcohol	75-65-0	74.12	7.6	UD	23.0		
Heptane	142-82-5	100.2	830	ED	3401		
1,1-Dichloroethene	75-35-4	96.94	5.6	UD	22.2		
Acetone	67-64-1	58.08	9.6	UD	22.8		
Carbon Disulfide	75-15-0	76.14	6.4	UD	19.9		
Methyl tert-Butyl Ether	1634-04-4	88.15	4.8	UD	17.3		
Methylene Chloride	75-09-2	84.94	7.6	UD	26.4		
trans-1,2-Dichloroethene	156-60-5	96.94	7.6	UD	30.1		
1,1-Dichloroethane	75-34-3	98.96	5.2	UD	21.0		
Cyclohexane	110-82-7	84.16	1100	ED	3786		
2-Butanone	78-93-3	72.11	39.7	D	117		
Carbon Tetrachloride	56-23-5	153.8	0.44	UD	2.77		
cis-1,2-Dichloroethene	156-59-2	96.94	3.6	UD	14.3		
Chloroform	67-66-3	119.4	3.3	UD	16.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.38	UD	2.07		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	440	D	1405		
1,2-Dichloroethane	107-06-2	98.96	3.6	UD	14.6		
Trichloroethene	79-01-6	131.4	0.68	UD	3.65		
1,2-Dichloropropane	78-87-5	113	4.4	UD	20.3		
Bromodichloromethane	75-27-4	163.8	3.1	UD	20.8		
4-Methyl-2-Pentanone	108-10-1	100.2	3.7	UD	15.2		
Toluene	108-88-3	92.14	19.8	JD	74.6		
t-1,3-Dichloropropene	10061-02-6	111	2.4	UD	10.9		
cis-1,3-Dichloropropene	10061-01-5	111	2.6	UD	11.8		
1,1,2-Trichloroethane	79-00-5	133.4	2.8	UD	15.3		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 565-SG-1DL **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-01DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	2.6	UD	22.2		
1,2-Dibromoethane	106-93-4	187.9	2.9	UD	22.3		
Tetrachloroethene	127-18-4	165.8	21	D	142		
Chlorobenzene	108-90-7	112.6	3	UD	13.8		
Ethyl Benzene	100-41-4	106.2	8.8	JD	38.2		
m/p-Xylene	179601-23-1	106.2	34	JD	147		
o-Xylene	95-47-6	106.2	10.3	JD	44.7		
Styrene	100-42-5	104.1	4.4	UD	18.7		
Bromoform	75-25-2	252.8	2.3	UD	23.8		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.44	UD	3.02		
2-Chlorotoluene	95-49-8	126.6	4.4	UD	22.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.4	UD	21.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.1	UD	15.2		
1,3-Dichlorobenzene	541-73-1	147	3.2	UD	19.2		
1,4-Dichlorobenzene	106-46-7	147	2.1	UD	12.6		
1,2-Dichlorobenzene	95-50-1	147	3	UD	18.0		
1,2,4-Trichlorobenzene	120-82-1	181.5	3.4	UD	25.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	3.4	UD	36.3		
Naphthalene	91-20-3	128.17	3	UD	15.7		
1,3-Butadiene	106-99-0	54.09	5.2	UD	11.5		
4-Ethyltoluene	622-96-8	120.2	4.8	UD	23.6		
Hexane	110-54-3	86.17	4600	ED	16211		
Allyl Chloride	107-05-1	76.53	6	UD	18.8		
1,4-Dioxane	123-91-1	88.12	8.4	UD	30.3		
Methyl Methacrylate	80-62-6	100.117	3.4	UD	13.9		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 565-SG-1DL2 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-01DL2 **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	130	UD	642		
Chloromethane	74-87-3	50.49	58.8	UD	121		
Vinyl Chloride	75-01-4	62.5	8.4	UD	21.5		
Bromomethane	74-83-9	94.94	84	UD	326		
Chloroethane	75-00-3	64.52	100	UD	263		
Tetrahydrofuran	109-99-9	72.11	78	UD	230		
Trichlorofluoromethane	75-69-4	137.4	96	UD	539		
Dichlorotetrafluoroethane	76-14-2	170.9	52.8	UD	369		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	96	UD	735		
tert-Butyl alcohol	75-65-0	74.12	110	UD	333		
Heptane	142-82-5	100.2	590	D	2417		
1,1-Dichloroethene	75-35-4	96.94	84	UD	333		
Acetone	67-64-1	58.08	140	UD	332		
Carbon Disulfide	75-15-0	76.14	96	UD	298		
Methyl tert-Butyl Ether	1634-04-4	88.15	72	UD	259		
Methylene Chloride	75-09-2	84.94	110	UD	382		
trans-1,2-Dichloroethene	156-60-5	96.94	110	UD	436		
1,1-Dichloroethane	75-34-3	98.96	78	UD	315		
Cyclohexane	110-82-7	84.16	780	D	2684		
2-Butanone	78-93-3	72.11	72	UD	212		
Carbon Tetrachloride	56-23-5	153.8	6.6	UD	41.5		
cis-1,2-Dichloroethene	156-59-2	96.94	53.4	UD	211		
Chloroform	67-66-3	119.4	49.8	UD	243		
1,1,1-Trichloroethane	71-55-6	133.4	5.7	UD	31.1		
2,2,4-Trimethylpentane	540-84-1	114.2	60	UD	280		
Benzene	71-43-2	78.11	420	D	1341		
1,2-Dichloroethane	107-06-2	98.96	54.6	UD	220		
Trichloroethene	79-01-6	131.4	10.2	UD	54.8		
1,2-Dichloropropane	78-87-5	113	66	UD	305		
Bromodichloromethane	75-27-4	163.8	46.2	UD	309		
4-Methyl-2-Pentanone	108-10-1	100.2	55.8	UD	228		
Toluene	108-88-3	92.14	66	UD	248		
t-1,3-Dichloropropene	10061-02-6	111	36	UD	163		
cis-1,3-Dichloropropene	10061-01-5	111	38.4	UD	174		
1,1,2-Trichloroethane	79-00-5	133.4	42.6	UD	232		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 565-SG-1DL2 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-01DL2 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	39.6	UD	337		
1,2-Dibromoethane	106-93-4	187.9	43.2	UD	332		
Tetrachloroethene	127-18-4	165.8	9	UD	61.0		
Chlorobenzene	108-90-7	112.6	45.6	UD	210		
Ethyl Benzene	100-41-4	106.2	72	UD	312		
m/p-Xylene	179601-23-1	106.2	130	UD	564		
o-Xylene	95-47-6	106.2	72	UD	312		
Styrene	100-42-5	104.1	66	UD	281		
Bromoform	75-25-2	252.8	34.2	UD	353		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	6.6	UD	45.3		
2-Chlorotoluene	95-49-8	126.6	66	UD	341		
1,3,5-Trimethylbenzene	108-67-8	120.2	66	UD	324		
1,2,4-Trimethylbenzene	95-63-6	120.2	46.8	UD	230		
1,3-Dichlorobenzene	541-73-1	147	48	UD	288		
1,4-Dichlorobenzene	106-46-7	147	31.8	UD	191		
1,2-Dichlorobenzene	95-50-1	147	45	UD	270		
1,2,4-Trichlorobenzene	120-82-1	181.5	51	UD	378		
Hexachloro-1,3-Butadiene	87-68-3	260.8	51	UD	544		
Naphthalene	91-20-3	128.17	45	UD	235		
1,3-Butadiene	106-99-0	54.09	78	UD	172		
4-Ethyltoluene	622-96-8	120.2	72	UD	353		
Hexane	110-54-3	86.17	6200	D	21850		
Allyl Chloride	107-05-1	76.53	90	UD	281		
1,4-Dioxane	123-91-1	88.12	130	UD	468		
Methyl Methacrylate	80-62-6	100.117	51.6	UD	211		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 557-SG-1 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-02 **Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.54		2.67		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
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	0.31	J	1.74		
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	0.24	J	0.73		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	8.5		20.2		
Carbon Disulfide	75-15-0	76.14	1.5		4.67		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.5		1.74		
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	0.68		2.01		
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	0.78		3.81		
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	0.11	J	0.35		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.11	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	0.11	U	0.41		
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		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 557-SG-1 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-02 **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	3.1		21.0		
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	0.21	U	0.91		
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	0.08	U	0.39		
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	0.29	J	1.02		
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		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 557-SG-2 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-03 **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	0.56		2.77		
Chloromethane	74-87-3	50.49	0.29	J	0.6		
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	0.3	J	1.69		
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	0.57		1.73		
Heptane	142-82-5	100.2	0.28	J	1.15		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	15.2	E	36.1		
Carbon Disulfide	75-15-0	76.14	2.4		7.47		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.6		2.08		
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	1.3		3.83		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.14	J	0.56		
Chloroform	67-66-3	119.4	8.5		41.5		
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	3.5		11.2		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.47		2.53		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.32	J	2.14		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.2	J	0.75		
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		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 557-SG-2 **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-03 **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	13.1		88.8		
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	0.21	U	0.91		
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	0.34	J	1.67		
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	0.77		4.04		
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	0.7		2.47		
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		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 557-SG-2DL **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-03DL **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	2.1	UD	10.4		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.14	UD	0.36		
Bromomethane	74-83-9	94.94	1.4	UD	5.44		
Chloroethane	75-00-3	64.52	1.7	UD	4.49		
Tetrahydrofuran	109-99-9	72.11	1.3	UD	3.83		
Trichlorofluoromethane	75-69-4	137.4	1.6	UD	8.99		
Dichlorotetrafluoroethane	76-14-2	170.9	0.88	UD	6.15		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.6	UD	12.3		
tert-Butyl alcohol	75-65-0	74.12	1.9	UD	5.76		
Heptane	142-82-5	100.2	1.1	UD	4.51		
1,1-Dichloroethene	75-35-4	96.94	1.4	UD	5.55		
Acetone	67-64-1	58.08	16	D	38.0		
Carbon Disulfide	75-15-0	76.14	1.6	UD	4.98		
Methyl tert-Butyl Ether	1634-04-4	88.15	1.2	UD	4.33		
Methylene Chloride	75-09-2	84.94	1.9	UD	6.6		
trans-1,2-Dichloroethene	156-60-5	96.94	1.9	UD	7.53		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	1.6	JD	4.72		
Carbon Tetrachloride	56-23-5	153.8	0.11	UD	0.69		
cis-1,2-Dichloroethene	156-59-2	96.94	0.89	UD	3.53		
Chloroform	67-66-3	119.4	8.5	D	41.5		
1,1,1-Trichloroethane	71-55-6	133.4	0.1	UD	0.55		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	3.1	JD	9.9		
1,2-Dichloroethane	107-06-2	98.96	0.91	UD	3.68		
Trichloroethene	79-01-6	131.4	0.17	UD	0.91		
1,2-Dichloropropane	78-87-5	113	1.1	UD	5.08		
Bromodichloromethane	75-27-4	163.8	0.77	UD	5.16		
4-Methyl-2-Pentanone	108-10-1	100.2	0.93	UD	3.81		
Toluene	108-88-3	92.14	1.1	UD	4.15		
t-1,3-Dichloropropene	10061-02-6	111	0.6	UD	2.72		
cis-1,3-Dichloropropene	10061-01-5	111	0.64	UD	2.91		
1,1,2-Trichloroethane	79-00-5	133.4	0.71	UD	3.87		

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

Project : Yellow Cab - TO-15 **Sampling Date :** 03/14/25

Field Id Number : 557-SG-2DL **Analysis Date :** 03/17/25

Laboratory Id Number : Q1586-03DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.66	UD	5.62		
1,2-Dibromoethane	106-93-4	187.9	0.72	UD	5.53		
Tetrachloroethene	127-18-4	165.8	11.7	D	79.3		
Chlorobenzene	108-90-7	112.6	0.76	UD	3.5		
Ethyl Benzene	100-41-4	106.2	1.2	UD	5.21		
m/p-Xylene	179601-23-1	106.2	2.1	UD	9.12		
o-Xylene	95-47-6	106.2	1.2	UD	5.21		
Styrene	100-42-5	104.1	1.1	UD	4.68		
Bromoform	75-25-2	252.8	0.57	UD	5.89		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.11	UD	0.76		
2-Chlorotoluene	95-49-8	126.6	1.1	UD	5.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.1	UD	5.41		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.78	UD	3.83		
1,3-Dichlorobenzene	541-73-1	147	0.8	UD	4.81		
1,4-Dichlorobenzene	106-46-7	147	0.53	UD	3.19		
1,2-Dichlorobenzene	95-50-1	147	0.75	UD	4.51		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.85	UD	6.31		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.85	UD	9.07		
Naphthalene	91-20-3	128.17	0.75	UD	3.93		
1,3-Butadiene	106-99-0	54.09	1.3	UD	2.88		
4-Ethyltoluene	622-96-8	120.2	1.2	UD	5.9		
Hexane	110-54-3	86.17	1.1	UD	3.88		
Allyl Chloride	107-05-1	76.53	1.5	UD	4.7		
1,4-Dioxane	123-91-1	88.12	2.1	UD	7.57		
Methyl Methacrylate	80-62-6	100.117	0.86	UD	3.52		

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

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

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

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

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					

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

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

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.: Q1586

Client: RTP Environmental

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1586-01	565-SG-1	1-Bromo-4-Fluorobenzene	10	9.65	96	70 (65)	130 (135)
Q1586-01DL	565-SG-1DL	1-Bromo-4-Fluorobenzene	10	9.51	95	70 (65)	130 (135)
Q1586-01DL2	565-SG-1DL2	1-Bromo-4-Fluorobenzene	10	9.93	99	70 (65)	130 (135)
Q1586-02	557-SG-1	1-Bromo-4-Fluorobenzene	10	10.2	102	70 (65)	130 (135)
Q1586-02DUP	557-SG-1DUP	1-Bromo-4-Fluorobenzene	10	10.1	101	70 (65)	130 (135)
Q1586-03	557-SG-2	1-Bromo-4-Fluorobenzene	10	10.3	103	70 (65)	130 (135)
Q1586-03DL	557-SG-2DL	1-Bromo-4-Fluorobenzene	10	9.84	98	70 (65)	130 (135)
VL0317ABL01	VL0317ABL01	1-Bromo-4-Fluorobenzene	10	9.84	98	70 (65)	130 (135)
VL0317ABS01	VL0317ABS01	1-Bromo-4-Fluorobenzene	10	10.8	108	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.: Q1586

Client: RTP Environmental

Analytical Method: SWTO-15 **Datafile :** VL042152.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0317ABS01	Dichlorodifluoromethane	10	10.3	ppbv	103			40 (70)	160 (130)	
	Chloromethane	10	11.0	ppbv	110			40 (70)	160 (130)	
	Vinyl Chloride	10	11.1	ppbv	111			70 (70)	130 (130)	
	Bromomethane	10	11.1	ppbv	111			40 (70)	160 (130)	
	Chloroethane	10	10.7	ppbv	107			40 (70)	160 (130)	
	Tetrahydrofuran	10	8.50	ppbv	85			70 (70)	130 (130)	
	Trichlorofluoromethane	10	11.0	ppbv	110			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	10.2	ppbv	102			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	10.6	ppbv	106			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	9.10	ppbv	91			70 (70)	130 (130)	
	Heptane	10	8.10	ppbv	81			70 (70)	130 (130)	
	1,1-Dichloroethene	10	10.2	ppbv	102			70 (70)	130 (130)	
	Acetone	10	10.3	ppbv	103			40 (70)	160 (130)	
	Carbon disulfide	10	10.5	ppbv	105			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	8.10	ppbv	81			70 (70)	130 (130)	
	Methylene Chloride	10	12.4	ppbv	124			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	9.60	ppbv	96			70 (70)	130 (130)	
	1,1-Dichloroethane	10	10.0	ppbv	100			70 (70)	130 (130)	
	Cyclohexane	10	7.90	ppbv	79			70 (70)	130 (130)	
	2-Butanone	10	9.00	ppbv	90			40 (70)	160 (130)	
	Carbon Tetrachloride	10	9.40	ppbv	94			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	7.70	ppbv	77			70 (70)	130 (130)	
	Chloroform	10	8.60	ppbv	86			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	8.00	ppbv	80			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	8.80	ppbv	88			70 (70)	130 (130)	
	Benzene	10	8.70	ppbv	87			70 (70)	130 (130)	
	1,2-Dichloroethane	10	8.70	ppbv	87			70 (70)	130 (130)	
	Trichloroethene	10	8.10	ppbv	81			70 (70)	130 (130)	
	1,2-Dichloropropane	10	8.60	ppbv	86			70 (70)	130 (130)	
	Bromodichloromethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	9.30	ppbv	93			40 (70)	160 (130)	
	Toluene	10	8.00	ppbv	80			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	7.30	ppbv	73			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	7.90	ppbv	79			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	8.90	ppbv	89			70 (70)	130 (130)	
	Dibromochloromethane	10	8.80	ppbv	88			70 (70)	130 (130)	
	1,2-Dibromoethane	10	8.50	ppbv	85			70 (70)	130 (130)	
	Tetrachloroethene	10	8.30	ppbv	83			70 (70)	130 (130)	
	Chlorobenzene	10	9.30	ppbv	93			70 (70)	130 (130)	
	Ethyl Benzene	10	8.50	ppbv	85			70 (70)	130 (130)	
	m/p-Xylene	20	18.3	ppbv	92			70 (70)	130 (130)	
	o-Xylene	10	9.10	ppbv	91			70 (70)	130 (130)	
	Styrene	10	8.30	ppbv	83			70 (70)	130 (130)	
	Bromoform	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	9.90	ppbv	99			70 (70)	130 (130)	
	2-Chlorotoluene	10	8.60	ppbv	86			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	8.90	ppbv	89			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	9.20	ppbv	92			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1586

Client: RTP Environmental

Analytical Method: SWTO-15 **Datafile :** VL042152.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0317ABS01	1,3-Dichlorobenzene	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	9.40	ppbv	94			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	9.20	ppbv	92			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	8.50	ppbv	85			70 (70)	130 (130)	
	Naphthalene	10	11.0	ppbv	110			40 (70)	160 (130)	
	1,3-Butadiene	10	10.6	ppbv	106			70 (70)	130 (130)	
	4-Ethyltoluene	10	9.10	ppbv	91			70 (70)	130 (130)	
	Hexane	10	9.10	ppbv	91			70 (70)	130 (130)	
	Allyl Chloride	10	10.0	ppbv	100			70 (70)	130 (130)	
	1,4-Dioxane	10	8.50	ppbv	85			40 (70)	160 (130)	
	Methyl methacrylate	10	8.00	ppbv	80			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Duplicate Sample Summary

Lab Sample Id :	Q1586-02DUP		Q1586-02	
Client Id :	557-SG-1DUP		557-SG-1	
DF :	1		1	
Datafile :	VL042160.D		VL042159.D	
Anal Date & Time :	03/17/2025	16:29	03/17/2025	15:53

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0	0	0
2-Butanone	0.63	0.68	7.6
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	8.3	8.5	2.4
Allyl Chloride	0	0	0
Benzene	0.11	0.11	0
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	1.6	1.5	6.5
Carbon Tetrachloride	0.08	0.08	0

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

Duplicate Sample Summary

Lab Sample Id :	Q1586-02DUP		Q1586-02	
Client Id :	557-SG-1DUP		557-SG-1	
DF :	1		1	
Datafile :	VL042160.D		VL042159.D	
Anal Date & Time :	03/17/2025	16:29	03/17/2025	15:53

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.75	0.78	3.9
Chloromethane	0	0	0
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.54	0.54	0
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.24	0.29	18.9
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0.42	0.5	17.4
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0.2	0.24	18.2
Tetrachloroethene	3.1	3.1	0
Tetrahydrofuran	0	0	0
Toluene	0	0	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.3	0.31	3.3
Vinyl Chloride	0	0	0

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0317ABL01

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q1586 SAS No.: Q1586 SDG NO.: Q1586

Lab File ID: VL042151.D Lab Sample ID: VL0317ABL01

Date Analyzed: 03/17/2025 Time Analyzed: 10:50

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
VL0317ABS01	VL0317ABS01	VL042152.D	03/17/2025
565-SG-1	Q1586-01	VL042154.D	03/17/2025
565-SG-1DL	Q1586-01DL	VL042155.D	03/17/2025
557-SG-2DL	Q1586-03DL	VL042157.D	03/17/2025
557-SG-2	Q1586-03	VL042158.D	03/17/2025
557-SG-1	Q1586-02	VL042159.D	03/17/2025
557-SG-1DUP	Q1586-02DUP	VL042160.D	03/17/2025
565-SG-1DL2	Q1586-01DL2	VL042161.D	03/17/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q1586 SAS No.: Q1586 SDG NO.: Q1586

Lab File ID: VL042040.D BFB Injection Date: 02/25/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:56

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	22.6
75	30.0 - 66.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 120.0% of mass 95	63.3
175	4.0 - 9.0% of mass 174	4.9 (7.8) 1
176	93.0 - 101.0% of mass 174	60.9 (96.1) 1
177	5.0 - 9.0% of mass 176	3.4 (5.7) 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
VSTDICCC010	VSTDICCC010	VL042041.D	02/25/2025	08:56
VSTDICC002	VSTDICC002	VL042042.D	02/25/2025	09:29
VSTDICC001	VSTDICC001	VL042043.D	02/25/2025	10:00
VSTDICC0.5	VSTDICC0.5	VL042044.D	02/25/2025	10:31
VSTDICC0.1	VSTDICC0.1	VL042045.D	02/25/2025	11:03
VSTDICC0.03	VSTDICC0.03	VL042046.D	02/25/2025	11:34
VSTDICC015	VSTDICC015	VL042047.D	02/25/2025	12:07

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q1586 SAS No.: Q1586 SDG NO.: Q1586

Lab File ID: VL042149.D BFB Injection Date: 03/17/2025

Instrument ID: MSVOA_L BFB Injection Time: 09:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.3
75	30.0 - 66.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1.4) 1
174	50.0 - 120.0% of mass 95	63.5
175	4.0 - 9.0% of mass 174	4.9 (7.7) 1
176	93.0 - 101.0% of mass 174	61 (96) 1
177	5.0 - 9.0% of mass 176	4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042150.D	03/17/2025	09:55
VL0317ABL01	VL0317ABL01	VL042151.D	03/17/2025	10:50
VL0317ABS01	VL0317ABS01	VL042152.D	03/17/2025	11:38
565-SG-1	Q1586-01	VL042154.D	03/17/2025	12:51
565-SG-1DL	Q1586-01DL	VL042155.D	03/17/2025	13:37
557-SG-2DL	Q1586-03DL	VL042157.D	03/17/2025	14:41
557-SG-2	Q1586-03	VL042158.D	03/17/2025	15:19
557-SG-1	Q1586-02	VL042159.D	03/17/2025	15:53
557-SG-1DUP	Q1586-02DUP	VL042160.D	03/17/2025	16:29
565-SG-1DL2	Q1586-01DL2	VL042161.D	03/17/2025	17:01

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q1586 SAS No.: Q1586 SDG NO.: Q1586

Lab File ID: VL042150.D Date Analyzed: 03/17/2025

Instrument ID: MSVOA_L Time Analyzed: 09:55

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	167493	2.80	395790	3.98	337104	8.90
UPPER LIMIT	234490	3.13	554106	4.31	471946	9.23
LOWER LIMIT	100496	2.47	237474	3.65	202262	8.57
EPA SAMPLE NO.						
565-SG-1	191555	2.80	526330	3.98	471205	8.90
565-SG-1DL	177355	2.80	461268	3.98	407257	8.90
565-SG-1DL2	159357	2.80	390233	3.97	317448	8.90
557-SG-1	161407	2.80	390134	3.97	319342	8.90
557-SG-1DUP	161300	2.80	382035	3.98	319787	8.90
557-SG-2	163274	2.80	382025	3.98	334931	8.90
557-SG-2DL	165500	2.80	386181	3.98	319433	8.90
VL0317ABL01	165240	2.80	385222	3.98	316907	8.90
VL0317ABS01	168331	2.80	405507	3.98	339099	8.90

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1	SDG No.:	Q1586
Lab Sample ID:	Q1586-01	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
VL042154.D	4		03/17/25 12:51	VL031725

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	0.39	0.81	U	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	0.68	1.79	U	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.52	1.53	U	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	U	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	570	2340	E	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	120	285	E	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	0.76	2.64	U	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	720	2480	E	3.03	6.88	ug/m3
78-93-3	2-Butanone	33.5	98.8		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	0.33	1.61	U	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	290	926	E	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	0.39	2.10		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	19.8	74.6		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

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1	SDG No.:	Q1586
Lab Sample ID:	Q1586-01	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
VL042154.D	4		03/17/25 12:51	VL031725

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	17.9	121		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	10.7	46.5		2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	39.0	169		3.65	17.4	ug/m3
95-47-6	o-Xylene	11.6	50.4		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	2.10	10.3		2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	3.60	17.7		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	0.21	1.26	U	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	1.20	5.90	J	2.36	9.83	ug/m3
110-54-3	Hexane	970	3420	E	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	0.34	1.39	U	1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.60			70 (65) - 130 (135)	96%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	192000		2.797			
540-36-3	1,4-Difluorobenzene	526000		3.978			
3114-55-4	Chlorobenzene-d5	471000		8.901			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1	SDG No.:	Q1586
Lab Sample ID:	Q1586-01	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
VL042154.D	4		03/17/25 12:51	VL031725

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\VL031725\
Data File : VL042154.D
Acq On : 17 Mar 2025 12:51
Operator : SY/MD
Sample : Q1586-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	191555	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	526330	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	471205	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	349708	9.647	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3076	0.154	ppbv		97
9) Propene	1.483	41	25480m	2.247	ppbv		
10) Heptane	5.027	43	5052114	143.063	ppbv		86
13) Ethanol	1.725	45	21840	30.334	ppbv	#	33
15) Acetone	1.835	43	508957m	30.087	ppbv		
26) Hexane	2.855	57	6634605	242.367	ppbv	#	31
30) Cyclohexane	3.881	84	4024741	181.143	ppbv	#	86
34) 2-Butanone	2.567	43	343349	8.374	ppbv		100
36) Benzene	3.677	78	3929144	71.311	ppbv	#	75
38) Trichloroethene	4.580	130	2186m	0.097	ppbv		
52) Tetrachloroethene	8.247	164	84220	4.465	ppbv		93
53) Toluene	6.959	91	305311	4.958	ppbv		98
58) Ethyl Benzene	9.374	91	232110	2.675	ppbv		98
59) m/p-Xylene	9.548	91	672715	9.741	ppbv	#	100
60) o-Xylene	9.982	91	201180	2.898	ppbv		97
62) Isopropylbenzene	10.555	105	22053	0.212	ppbv		93
64) n-propylbenzene	11.002	120	5898	0.216	ppbv		83
72) 4-Ethyltoluene	11.138	105	24902	0.294	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.215	105	38025	0.517	ppbv		93
74) 1,2,4-Trimethylbenzene	11.549	105	74719	0.902	ppbv	#	60

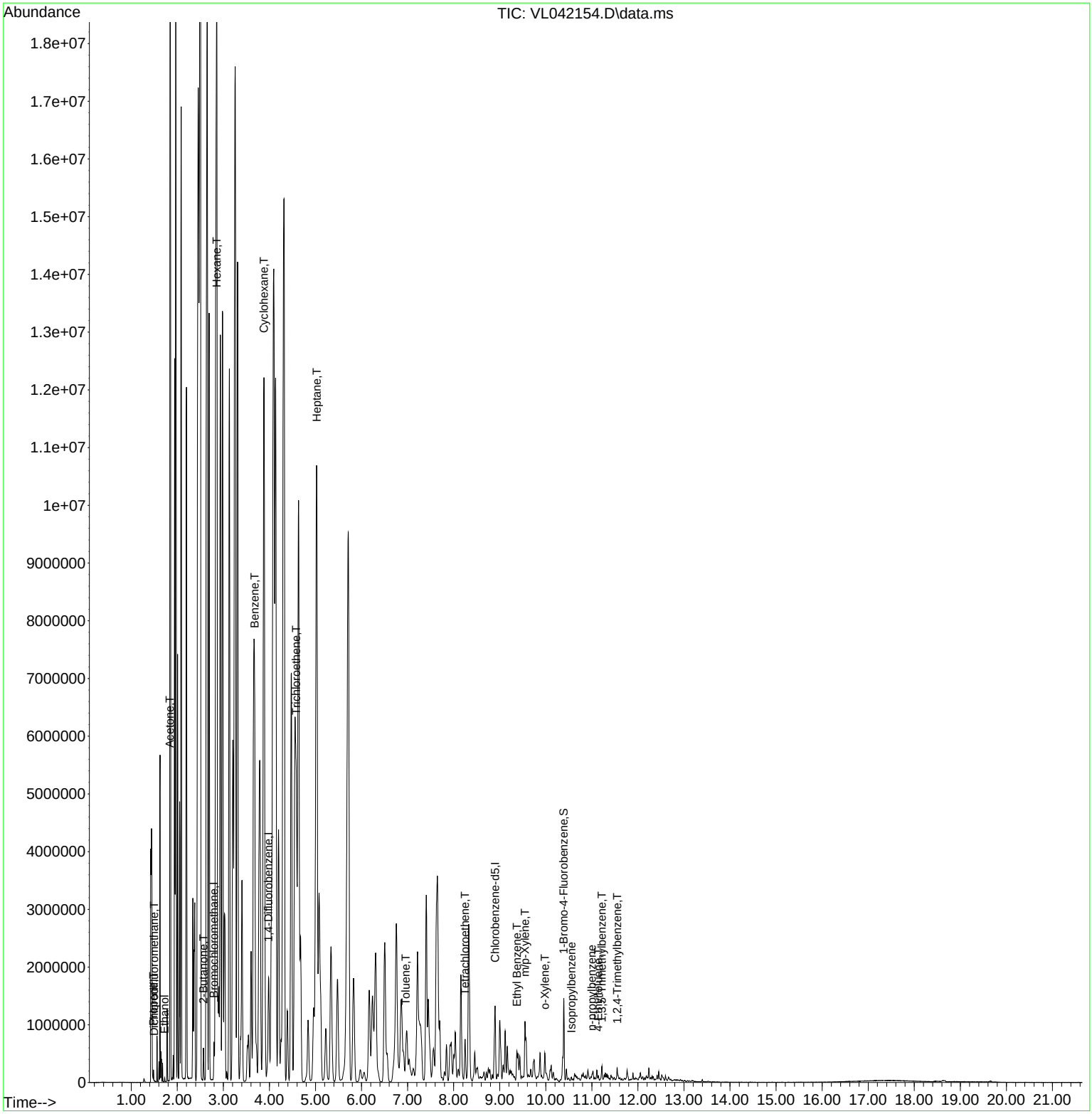
(#) = qualifier out of range (m) = manual integration (+) = signals summed

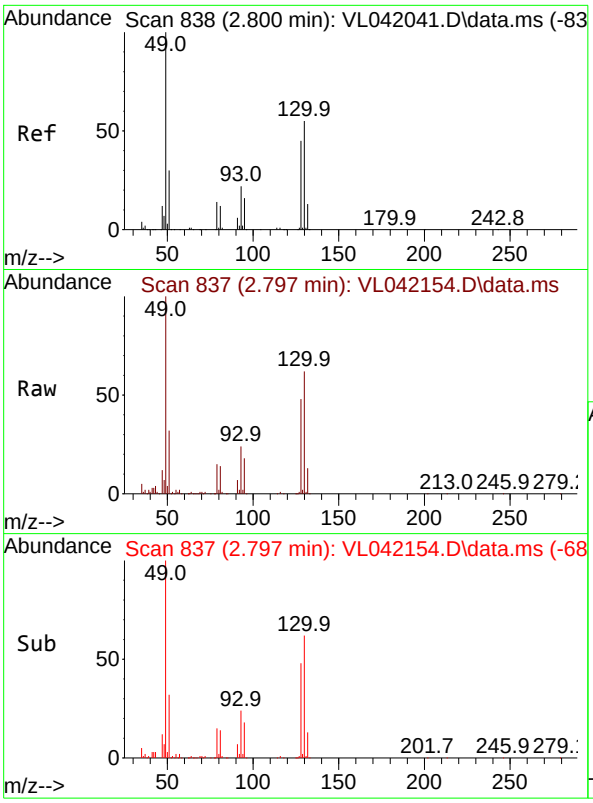
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042154.D
Acq On : 17 Mar 2025 12:51
Operator : SY/MD
Sample : Q1586-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

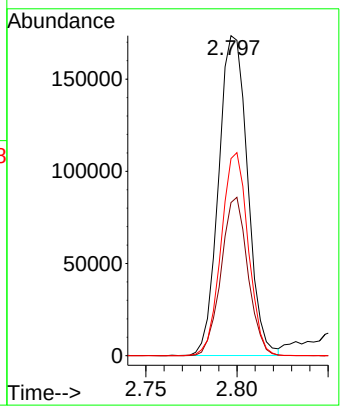




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 49 Resp: 19155

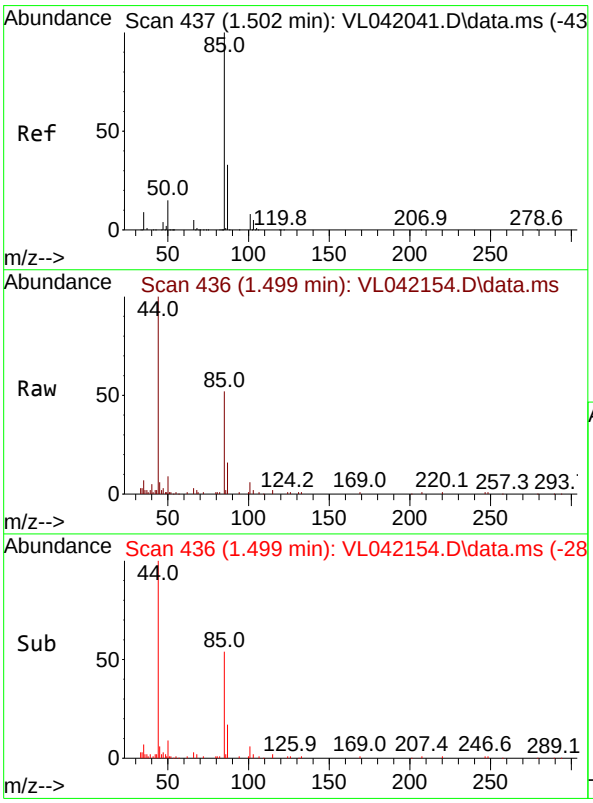
Ion	Ratio	Lower	Upper
49	100		
128	45.7	21.6	64.8
130	59.4	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

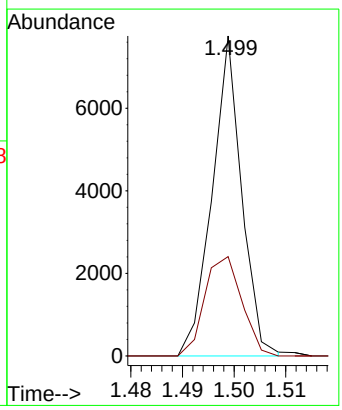
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

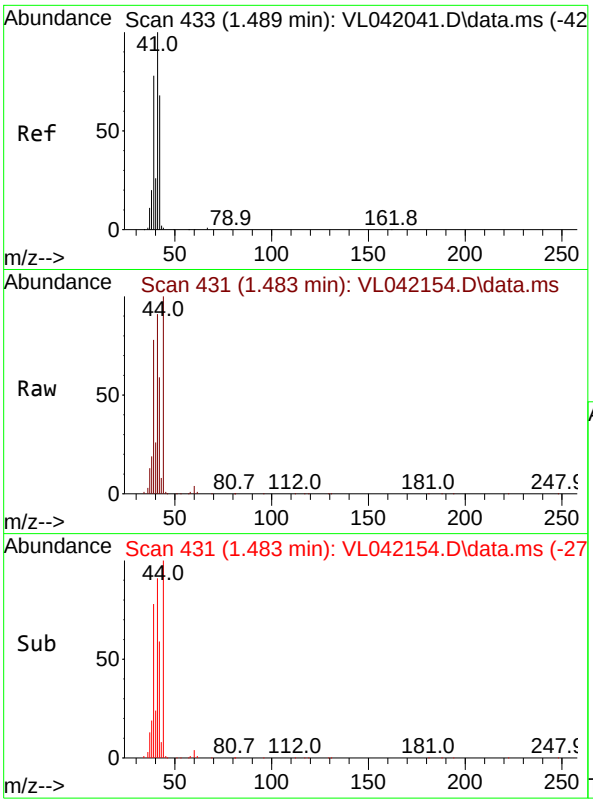


#2
Dichlorodifluoromethane
Concen: 0.154 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 85 Resp: 3076

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.4	39.6

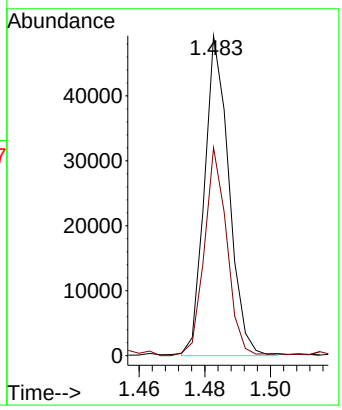




#9
Propene
Concen: 2.247 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 41 Resp: 2548

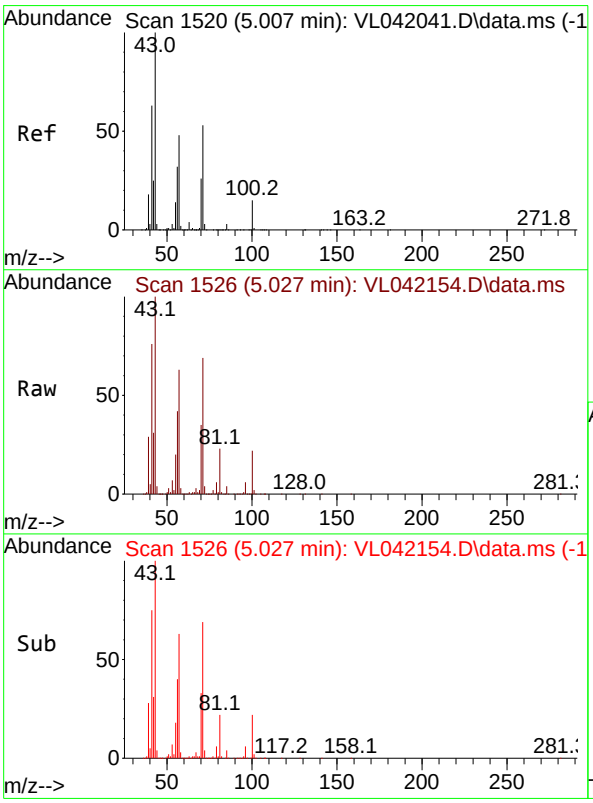
Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

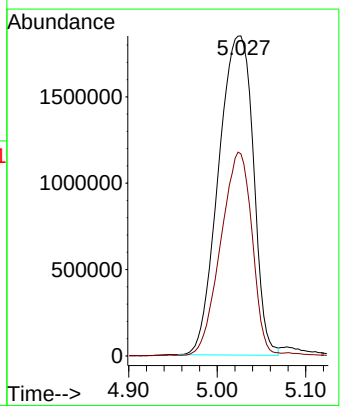
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

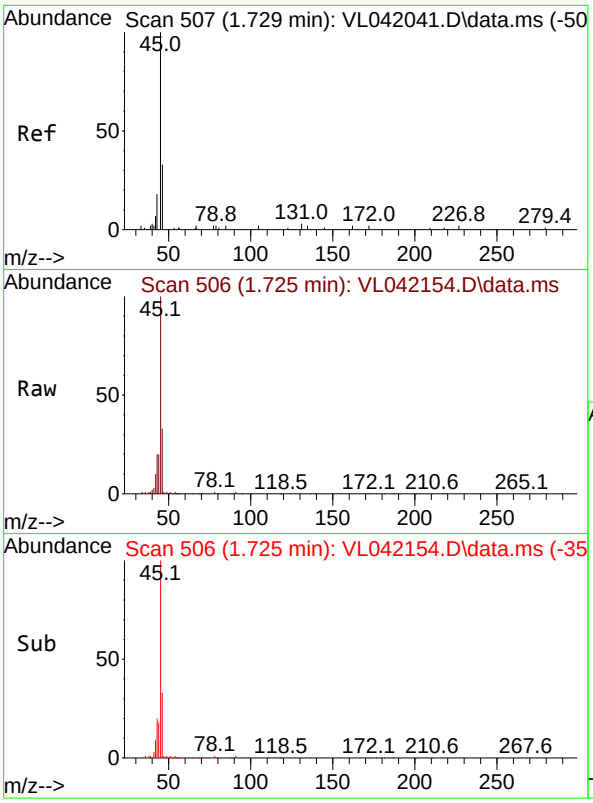


#10
Heptane
Concen: 143.063 ppbv
RT: 5.027 min Scan# 1526
Delta R.T. 0.019 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 43 Resp: 5052114

Ion	Ratio	Lower	Upper
43	100		
57	58.4	39.4	59.0





#13
Ethanol
Concen: 30.334 ppbv
RT: 1.725 min Scan# 5(
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

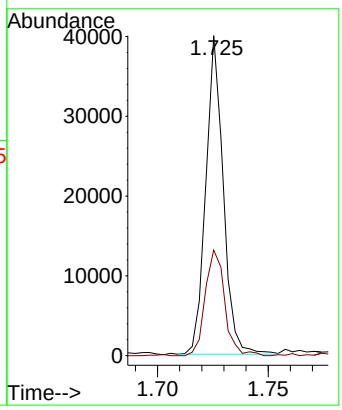
Tgt Ion: 45 Resp: 2184(

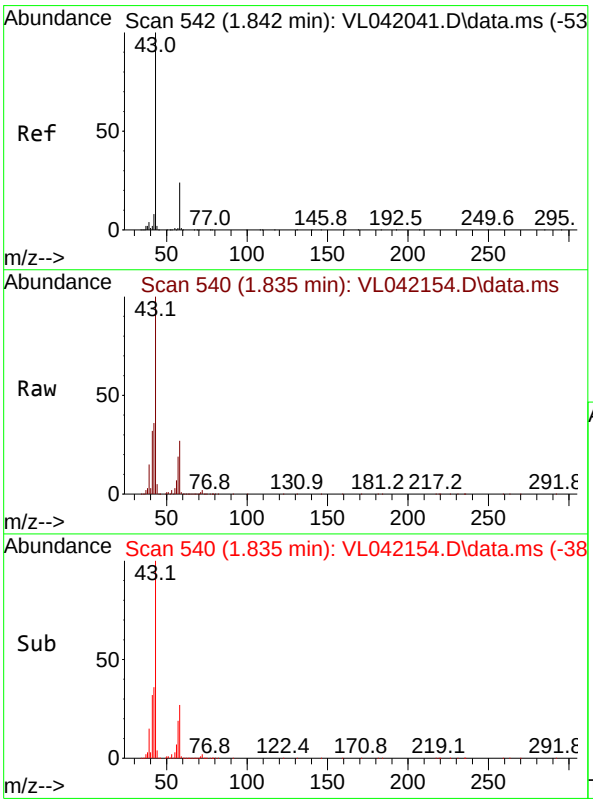
Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.1	68.3#

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

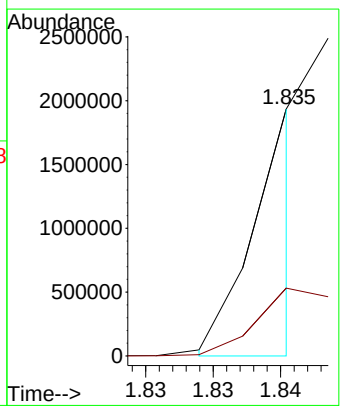


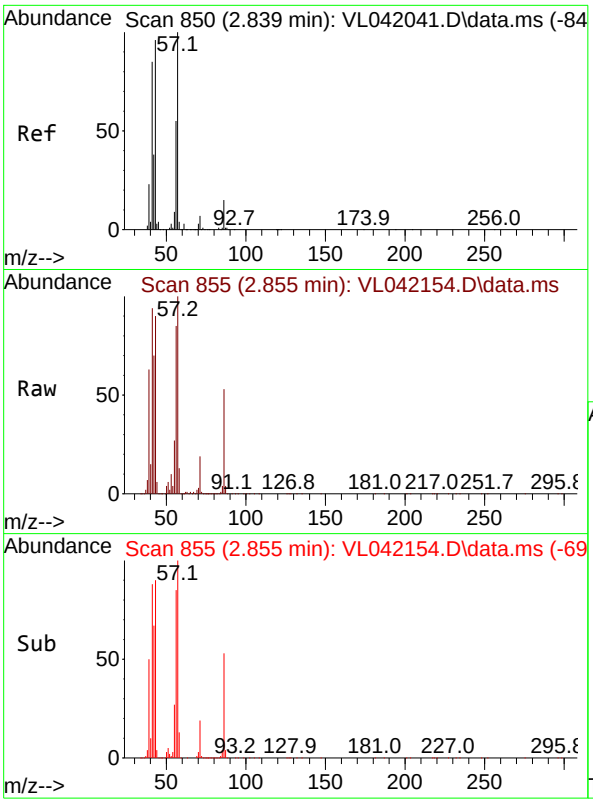


#15
Acetone
Concen: 30.087 ppbv m
RT: 1.835 min Scan# 540
Delta R.T. -0.007 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 43 Resp: 508957

Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.7	31.1#

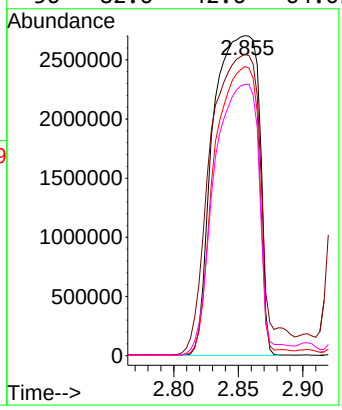




#26
Hexane
Concen: 242.367 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 57 Resp: 663460

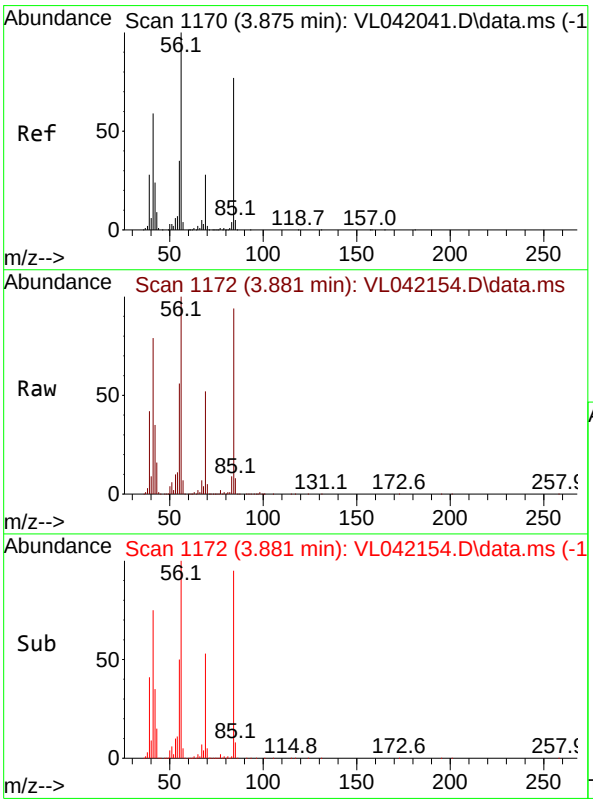
Ion	Ratio	Lower	Upper
57	100		
41	102.5	70.6	106.0
43	85.8	199.4	299.0#
56	82.6	42.6	64.0#



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

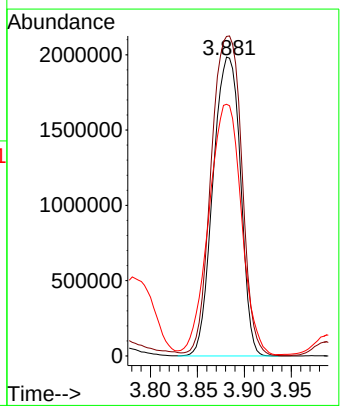
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

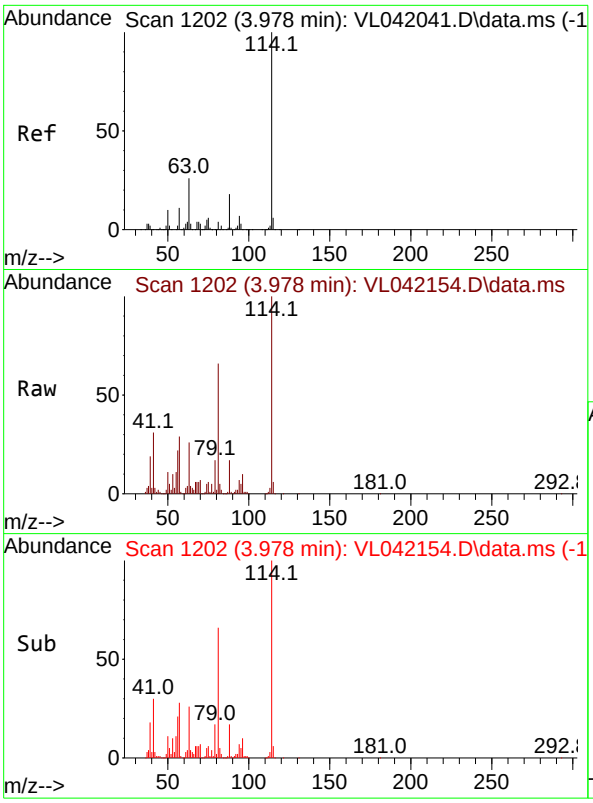


#30
Cyclohexane
Concen: 181.143 ppbv
RT: 3.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 84 Resp: 4024741

Ion	Ratio	Lower	Upper
84	100		
56	119.1	101.5	152.3
41	99.4	62.6	93.8#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

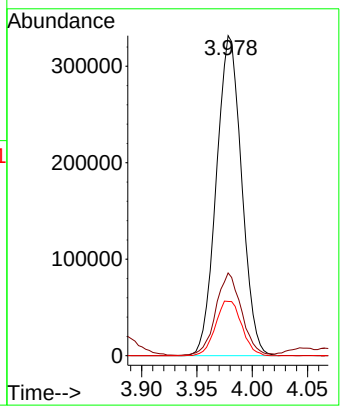
Tgt Ion:114 Resp: 52633

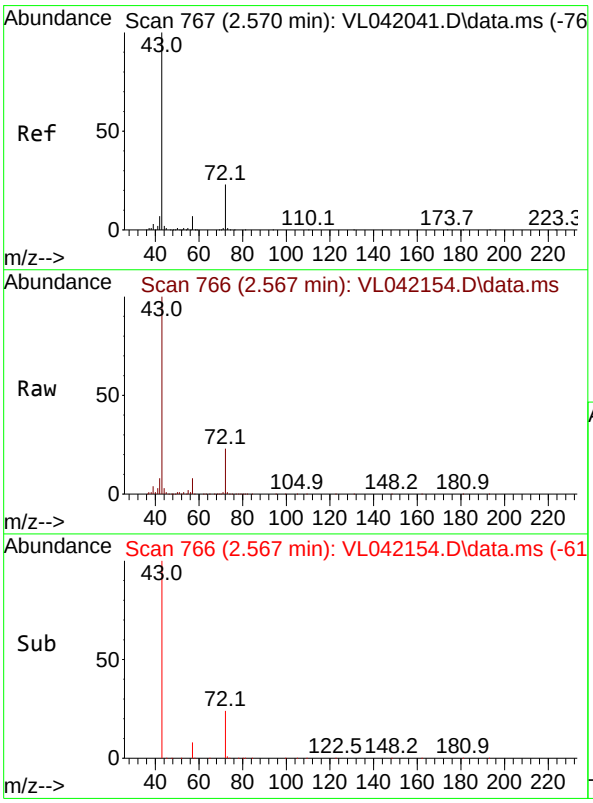
Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.1	30.1
88	17.7	14.3	21.5

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

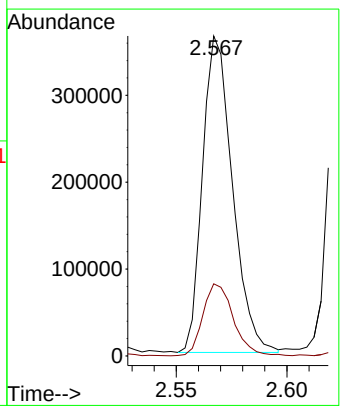


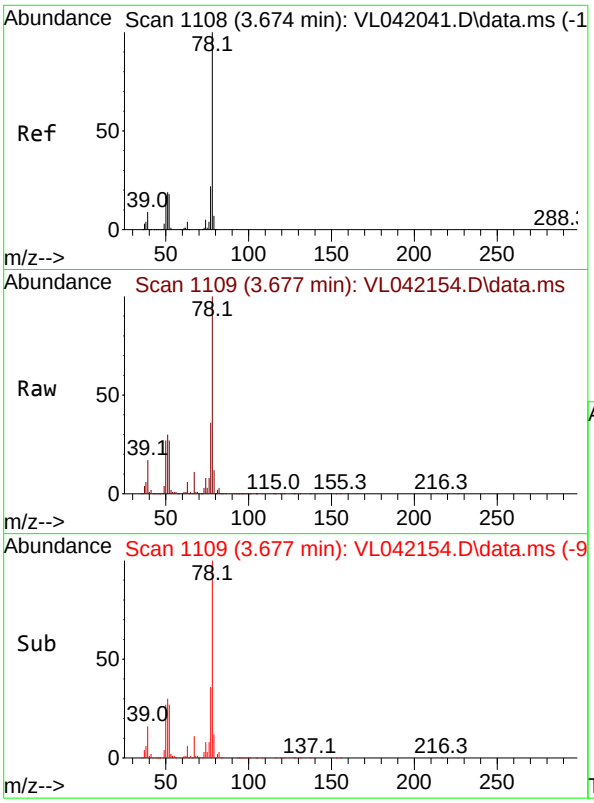


#34
2-Butanone
Concen: 8.374 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 43 Resp: 343349

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.5	27.7

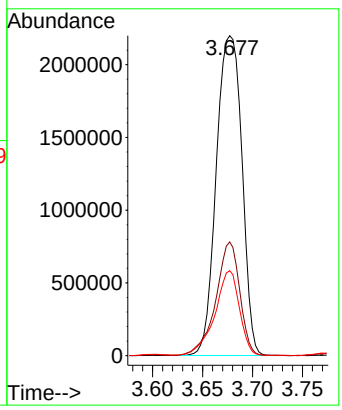




#36
Benzene
Concen: 71.311 ppbv
RT: 3.677 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 78 Resp: 392914

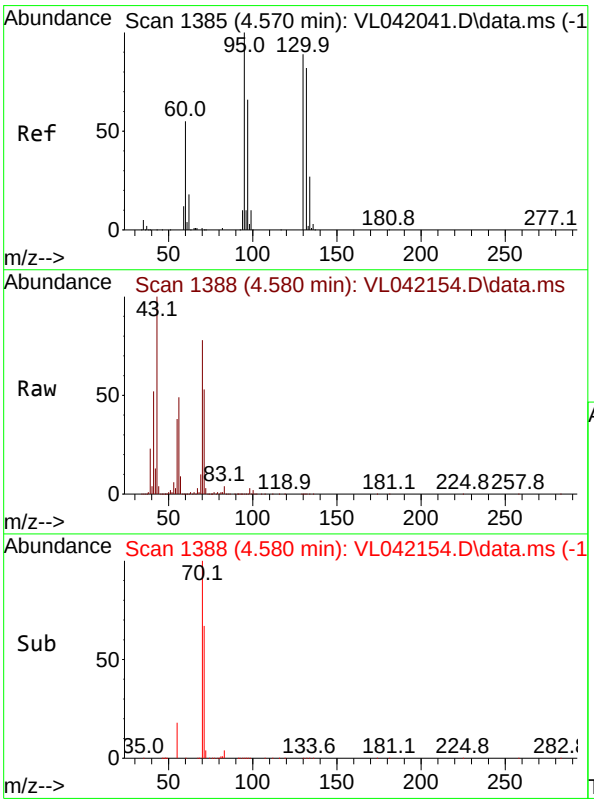
Ion	Ratio	Lower	Upper
78	100		
77	35.4	17.7	26.5#
50	26.4	13.9	20.9#



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

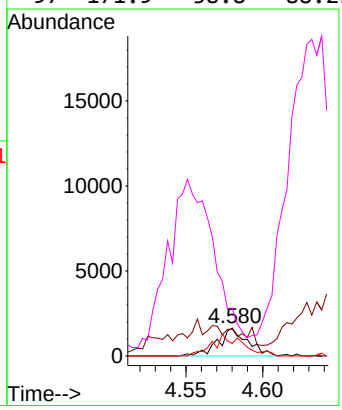
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

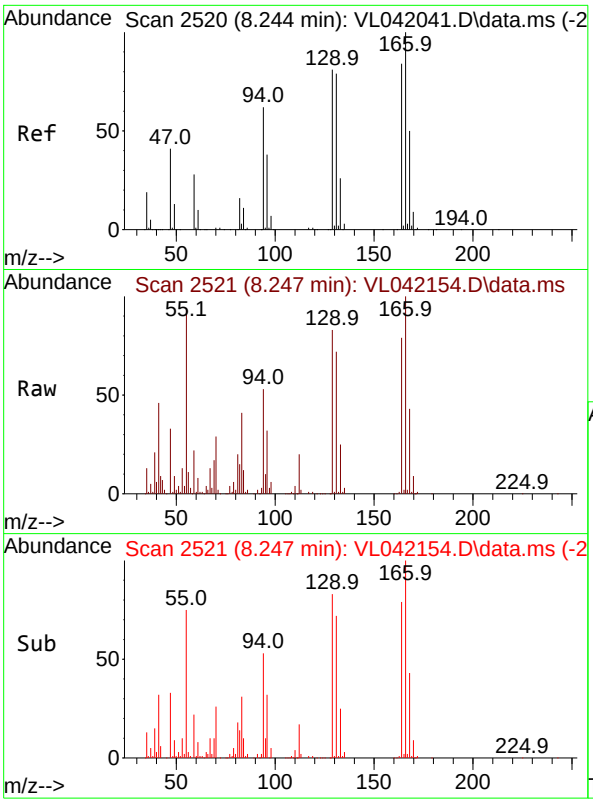


#38
Trichloroethene
Concen: 0.097 ppbv m
RT: 4.580 min Scan# 1388
Delta R.T. 0.010 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:130 Resp: 2186

Ion	Ratio	Lower	Upper
130	100		
95	96.6	89.5	134.3
132	44.7	73.8	110.6#
97	171.9	58.8	88.2#

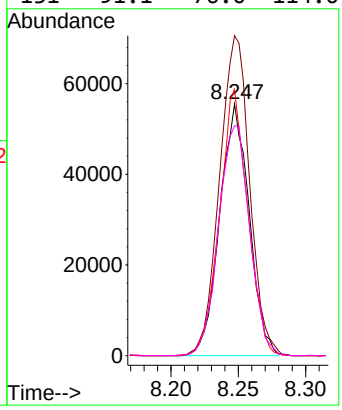




#52
Tetrachloroethene
Concen: 4.465 ppbv
RT: 8.247 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:164 Resp: 8422

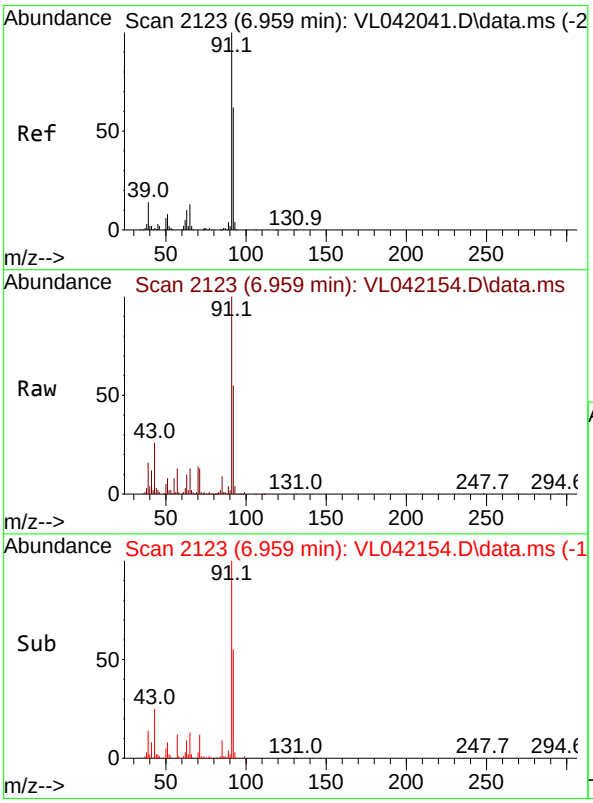
Ion	Ratio	Lower	Upper
164	100		
166	127.2	95.7	143.5
129	105.7	77.1	115.7
131	91.1	76.0	114.0



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

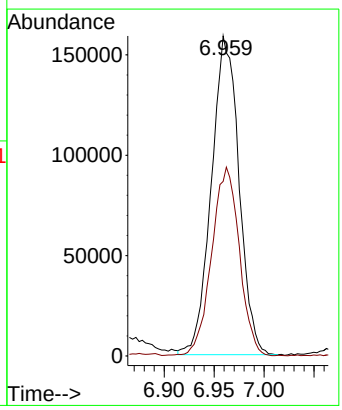
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

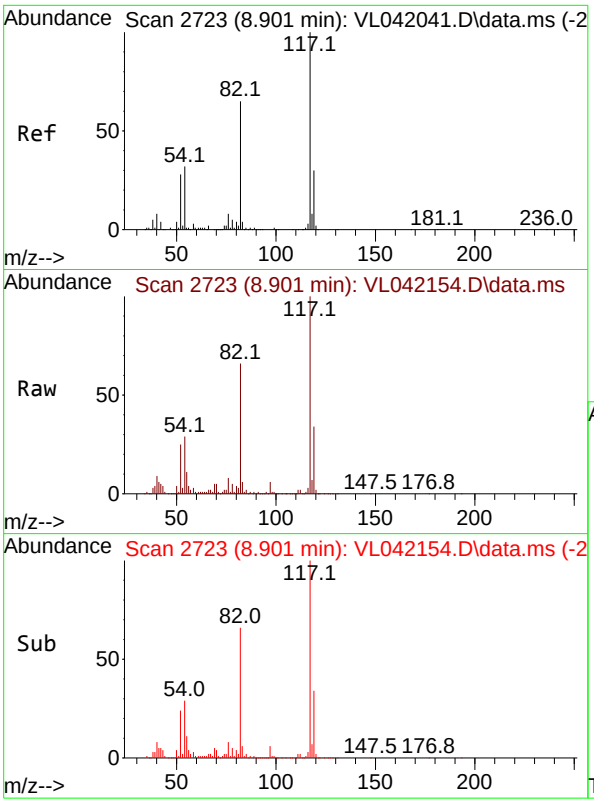


#53
Toluene
Concen: 4.958 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 305311

Ion	Ratio	Lower	Upper
91	100		
92	59.5	49.0	73.6

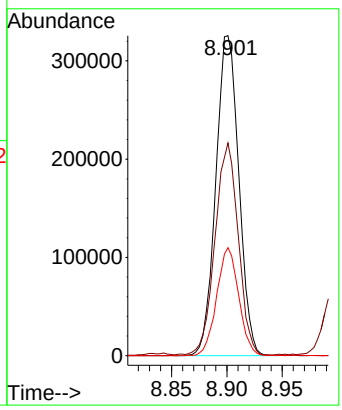




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:117 Resp: 47120

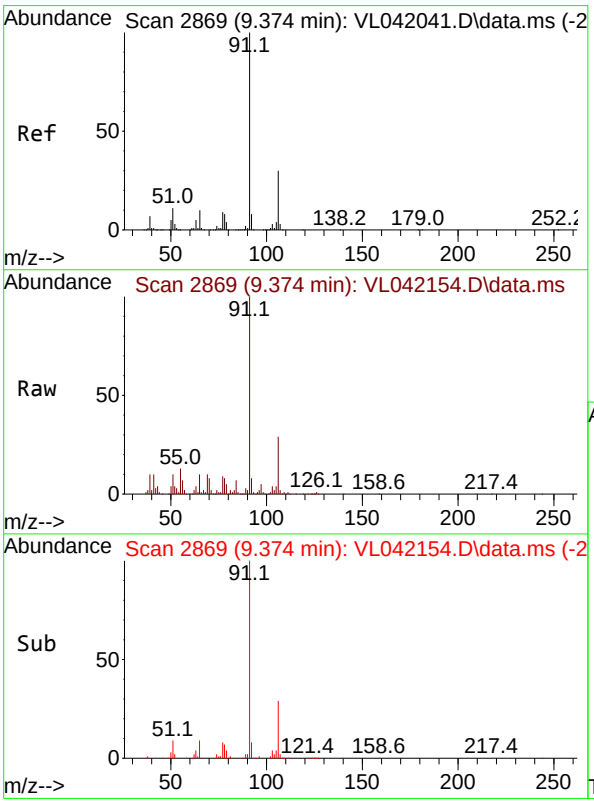
Ion	Ratio	Lower	Upper
117	100		
82	66.6	55.0	82.6
119	32.3	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

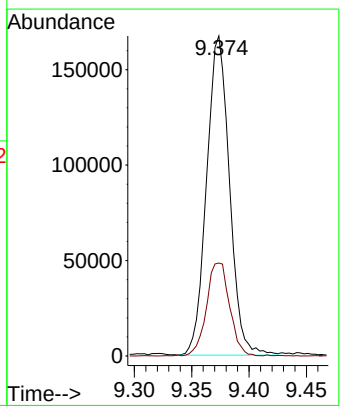
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

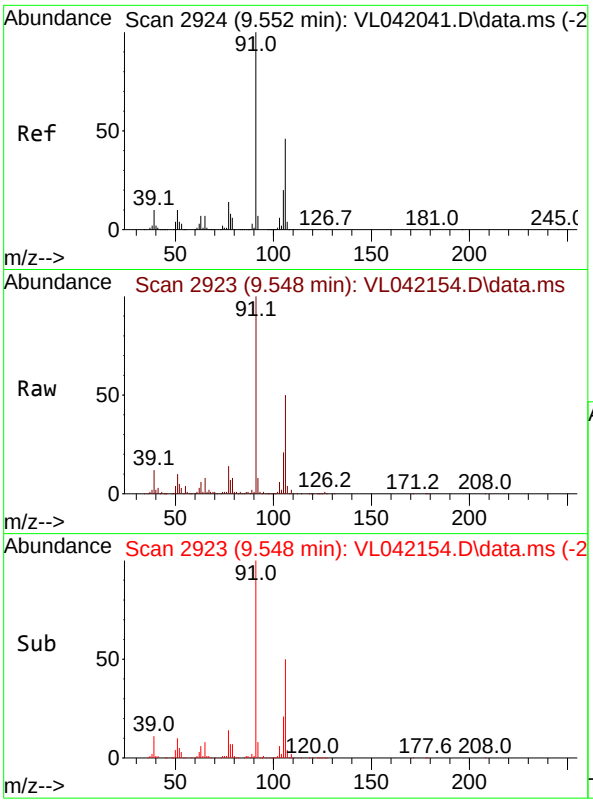


#58
Ethyl Benzene
Concen: 2.675 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 232110

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.2	36.2





#59
m/p-Xylene
Concen: 9.741 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

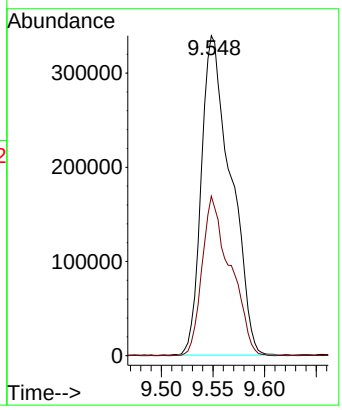
Tgt Ion: 91 Resp: 67271

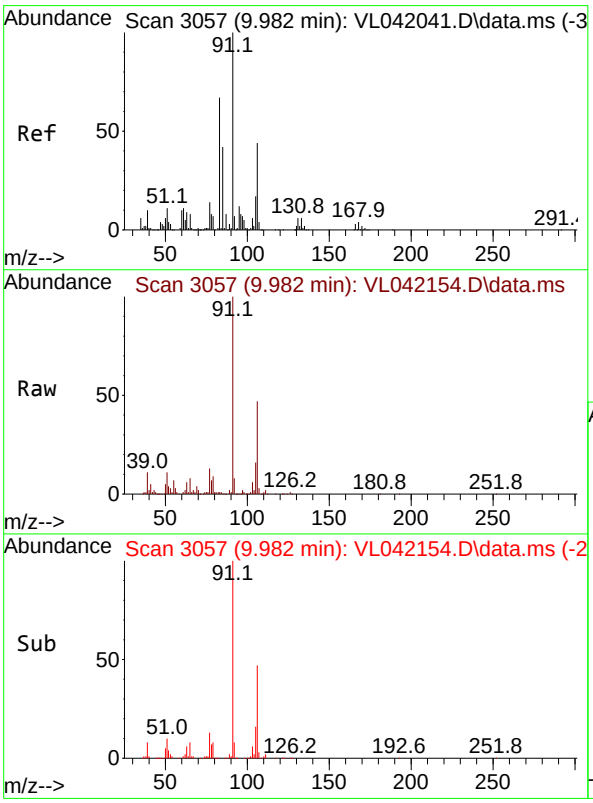
Ion	Ratio	Lower	Upper
91	100		
106	47.9	0.0	0.0

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

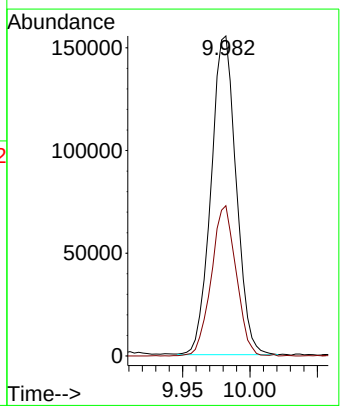


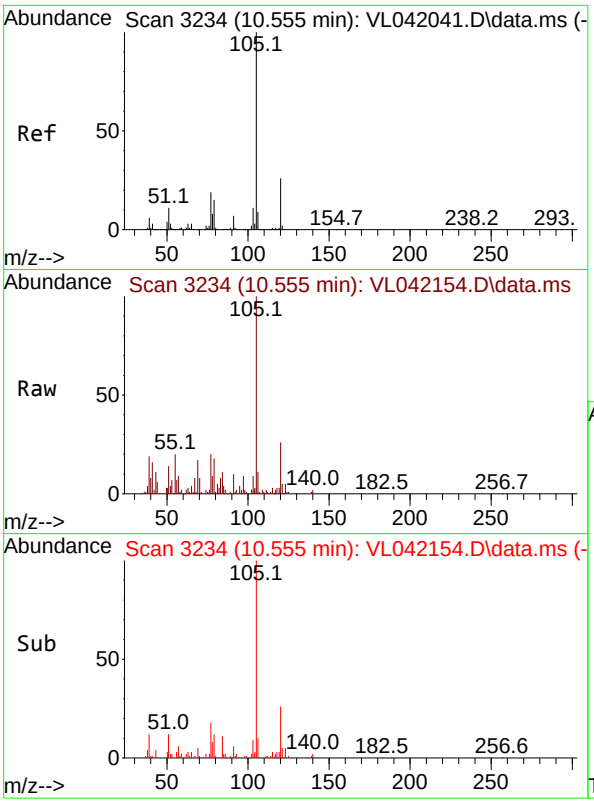


#60
o-Xylene
Concen: 2.898 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 201180

Ion	Ratio	Lower	Upper
91	100		
106	46.7	22.3	66.8

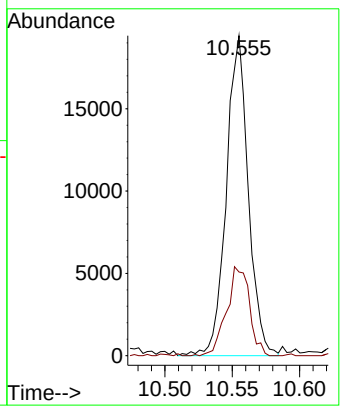




#62
Isopropylbenzene
Concen: 0.212 ppbv
RT: 10.555 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 2205

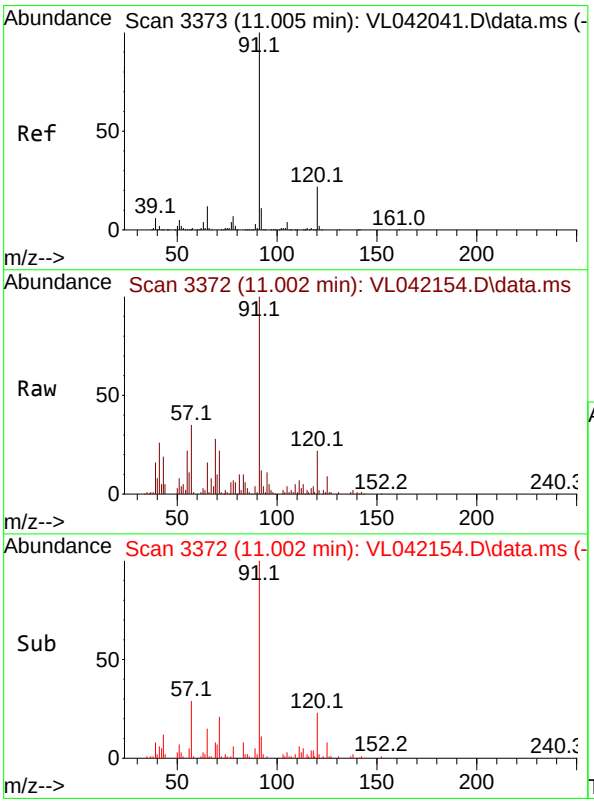
Ion	Ratio	Lower	Upper
105	100		
120	29.4	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

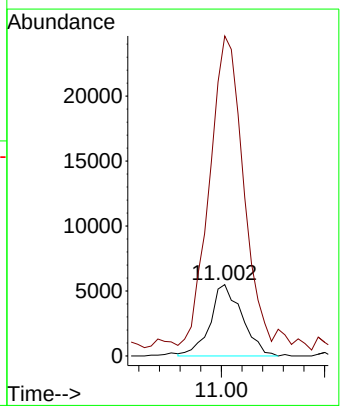
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

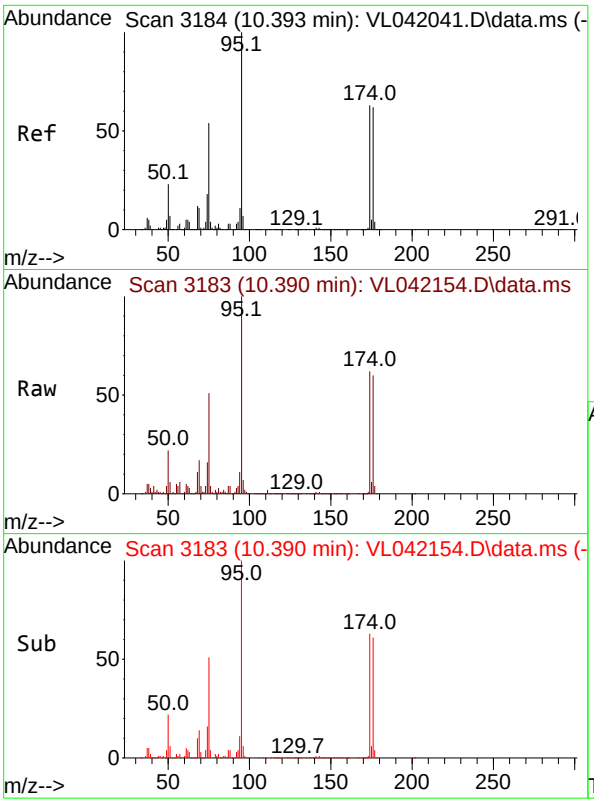


#64
n-propylbenzene
Concen: 0.216 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:120 Resp: 5898

Ion	Ratio	Lower	Upper
120	100		
91	507.1	370.6	556.0

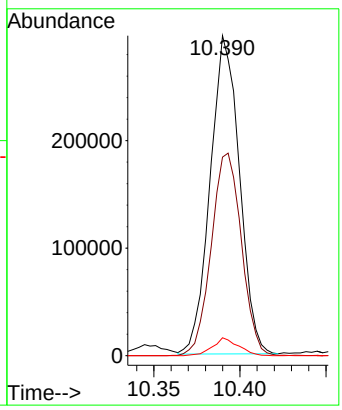




#68
1-Bromo-4-Fluorobenzene
Concen: 9.647 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 95 Resp: 34970

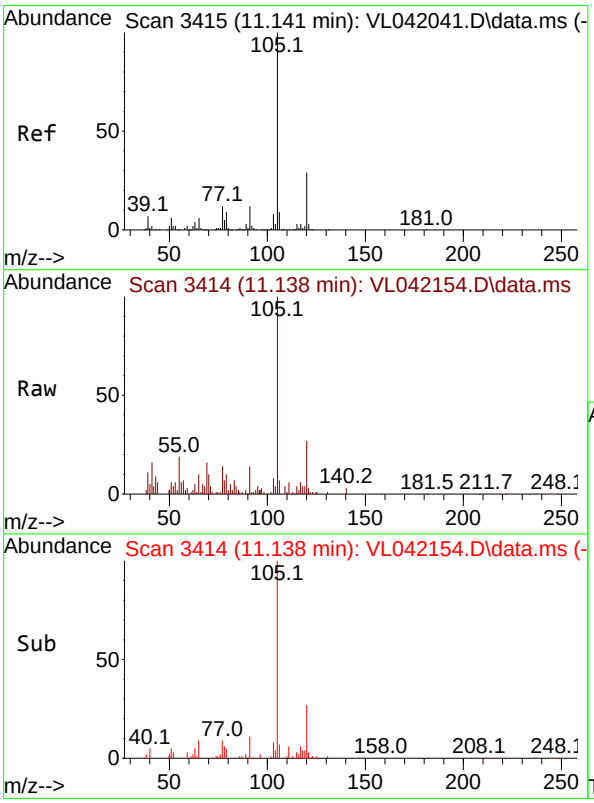
Ion	Ratio	Lower	Upper
95	100		
174	65.7	51.8	77.6
175	5.0	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

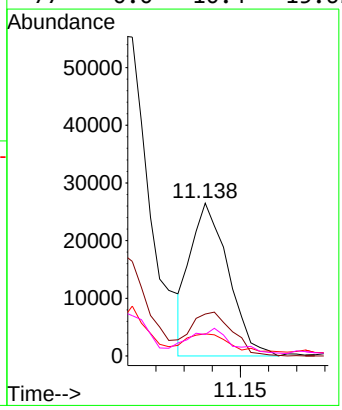
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

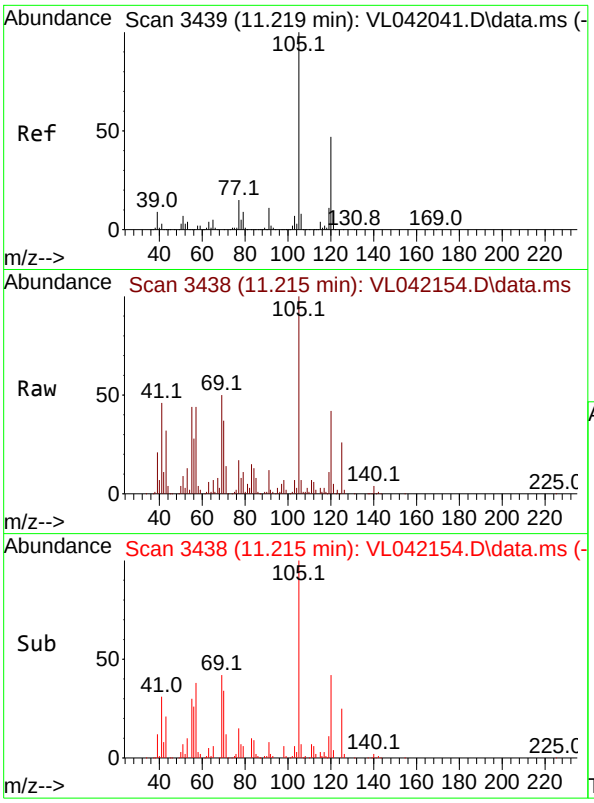


#72
4-Ethyltoluene
Concen: 0.294 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 24902

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.1	36.1#
91	0.0	10.2	15.4#
77	0.0	10.4	15.6#

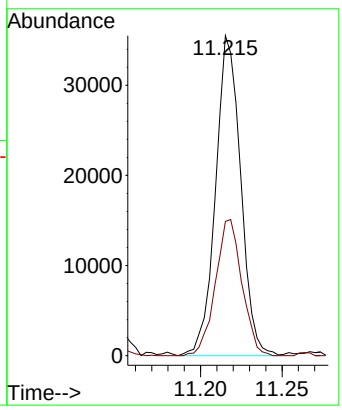




#73
1,3,5-Trimethylbenzene
Concen: 0.517 ppbv
RT: 11.215 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 3802

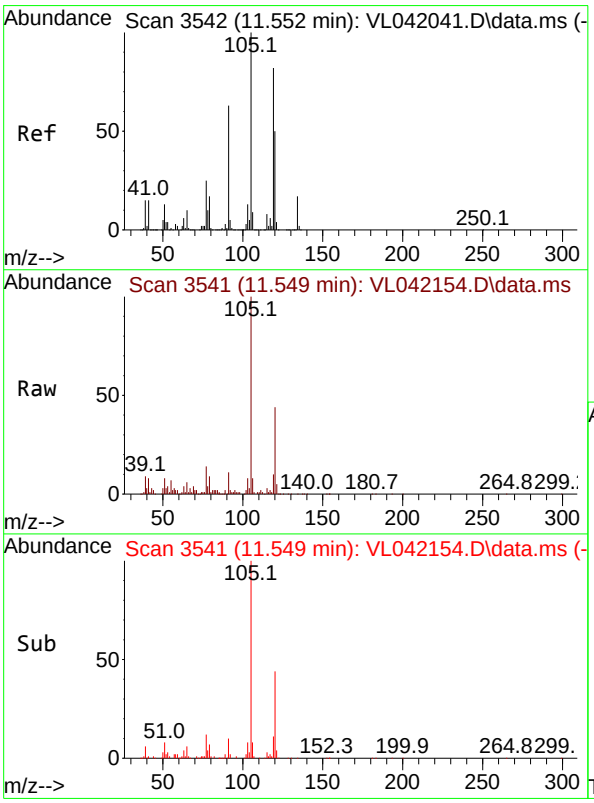
Ion	Ratio	Lower	Upper
105	100		
120	41.9	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Manual Integrations
APPROVED

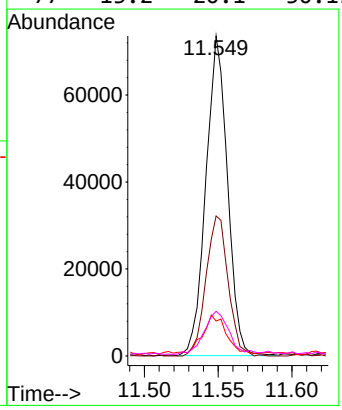
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.902 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 74719

Ion	Ratio	Lower	Upper
105	100		
120	43.8	40.2	60.2
91	9.9	51.4	77.2#
77	13.2	20.1	30.1#



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1DL	SDG No.:	Q1586
Lab Sample ID:	Q1586-01DL	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
VL042155.D	40		03/17/25 13:37	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	8.40	41.5	UD	41.5	98.9	ug/m3
74-87-3	Chloromethane	3.90	8.05	UD	8.05	41.3	ug/m3
75-01-4	Vinyl Chloride	0.56	1.43	UD	1.43	3.07	ug/m3
74-83-9	Bromomethane	5.60	21.7	UD	21.7	77.7	ug/m3
75-00-3	Chloroethane	6.80	17.9	UD	17.9	52.8	ug/m3
109-99-9	Tetrahydrofuran	5.20	15.3	UD	15.3	59.0	ug/m3
75-69-4	Trichlorofluoromethane	6.40	36.0	UD	36.0	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	6.40	49.0	UD	49.0	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	3.50	24.5	UD	24.5	140	ug/m3
75-65-0	tert-Butyl alcohol	7.60	23.0	UD	23.0	60.6	ug/m3
142-82-5	Heptane	830	3400	ED	18.0	82.0	ug/m3
75-35-4	1,1-Dichloroethene	5.60	22.2	UD	22.2	79.3	ug/m3
67-64-1	Acetone	9.60	22.8	UD	22.8	47.5	ug/m3
75-15-0	Carbon Disulfide	6.40	19.9	UD	19.9	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4.80	17.3	UD	17.3	72.1	ug/m3
75-09-2	Methylene Chloride	7.60	26.4	UD	26.4	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	7.60	30.1	UD	30.1	79.3	ug/m3
75-34-3	1,1-Dichloroethane	5.20	21.1	UD	21.1	81.0	ug/m3
110-82-7	Cyclohexane	1100	3790	ED	30.3	68.8	ug/m3
78-93-3	2-Butanone	39.7	117	D	14.2	59.0	ug/m3
56-23-5	Carbon Tetrachloride	0.44	2.77	UD	2.77	7.55	ug/m3
156-59-2	cis-1,2-Dichloroethene	3.60	14.3	UD	14.3	79.3	ug/m3
67-66-3	Chloroform	3.30	16.1	UD	16.1	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	0.38	2.07	UD	2.07	6.55	ug/m3
540-84-1	2,2,4-Trimethylpentane	4.00	18.7	UD	18.7	93.4	ug/m3
71-43-2	Benzene	440	1410	D	11.2	63.9	ug/m3
107-06-2	1,2-Dichloroethane	3.60	14.6	UD	14.6	81.0	ug/m3
79-01-6	Trichloroethene	0.68	3.65	UD	3.65	6.45	ug/m3
78-87-5	1,2-Dichloropropane	4.40	20.3	UD	20.3	92.4	ug/m3
75-27-4	Bromodichloromethane	3.10	20.8	UD	20.8	134	ug/m3
108-10-1	4-Methyl-2-Pentanone	3.70	15.2	UD	15.2	82.0	ug/m3
108-88-3	Toluene	19.8	74.6	JD	16.6	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	2.40	10.9	UD	10.9	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	2.60	11.8	UD	11.8	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	2.80	15.3	UD	15.3	109	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1DL	SDG No.:	Q1586
Lab Sample ID:	Q1586-01DL	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
VL042155.D	40		03/17/25 13:37	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	2.60	22.1	UD	22.1	170	ug/m3
106-93-4	1,2-Dibromoethane	2.90	22.3	UD	22.3	30.7	ug/m3
127-18-4	Tetrachloroethene	21.0	142	D	4.07	8.14	ug/m3
108-90-7	Chlorobenzene	3.00	13.8	UD	13.8	92.1	ug/m3
100-41-4	Ethyl Benzene	8.80	38.2	JD	20.9	86.9	ug/m3
179601-23-1	m/p-Xylene	34.0	148	JD	36.5	174	ug/m3
95-47-6	o-Xylene	10.3	44.7	JD	20.9	86.9	ug/m3
100-42-5	Styrene	4.40	18.7	UD	18.7	85.2	ug/m3
75-25-2	Bromoform	2.30	23.8	UD	23.8	207	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.44	3.02	UD	3.02	8.24	ug/m3
95-49-8	2-Chlorotoluene	4.40	22.8	UD	22.8	104	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4.40	21.6	UD	21.6	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	3.10	15.2	UD	15.2	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	3.20	19.2	UD	19.2	120	ug/m3
106-46-7	1,4-Dichlorobenzene	2.10	12.6	UD	12.6	120	ug/m3
95-50-1	1,2-Dichlorobenzene	3.00	18.0	UD	18.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	3.40	25.2	UD	25.2	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	3.40	36.3	UD	36.3	213	ug/m3
106-99-0	1,3-Butadiene	5.20	11.5	UD	11.5	44.3	ug/m3
91-20-3	Naphthalene	3.00	15.7	UD	15.7	21.0	ug/m3
622-96-8	4-Ethyltoluene	4.80	23.6	UD	23.6	98.3	ug/m3
110-54-3	Hexane	4600	16200	ED	15.5	70.5	ug/m3
107-05-1	Allyl Chloride	6.00	18.8	UD	18.8	62.6	ug/m3
123-91-1	1,4-Dioxane	8.40	30.3	UD	30.3	72.1	ug/m3
80-62-6	Methyl Methacrylate	3.40	13.9	UD	13.9	81.9	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.50			70 (65) - 130 (135)	95%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	177000		2.8			
540-36-3	1,4-Difluorobenzene	461000		3.978			
3114-55-4	Chlorobenzene-d5	407000		8.901			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1DL	SDG No.:	Q1586
Lab Sample ID:	Q1586-01DL	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
VL042155.D	40		03/17/25 13:37	VL031725

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\VL031725\
Data File : VL042155.D
Acq On : 17 Mar 2025 13:37
Operator : SY/MD
Sample : Q1586-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	177355	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	461268	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	407257	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	297836	9.506	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.100%				
Target Compounds							Qvalue
10) Heptane	5.007	43	679876	20.794	ppbv		98
13) Ethanol	1.729	45	3018m	4.527	ppbv		
26) Hexane	2.839	57	2899377	114.396	ppbv	#	34
30) Cyclohexane	3.875	84	551515	26.810	ppbv	#	90
34) 2-Butanone	2.573	43	35661m	0.992	ppbv		
36) Benzene	3.674	78	534931	11.078	ppbv		97
52) Tetrachloroethene	8.241	164	8686	0.525	ppbv	#	77
53) Toluene	6.962	91	26788	0.496	ppbv		99
58) Ethyl Benzene	9.374	91	16465	0.220	ppbv		95
59) m/p-Xylene	9.548	91	50752	0.850	ppbv	#	100
60) o-Xylene	9.982	91	15505m	0.258	ppbv		

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

Quantitation Report (QT Reviewed)

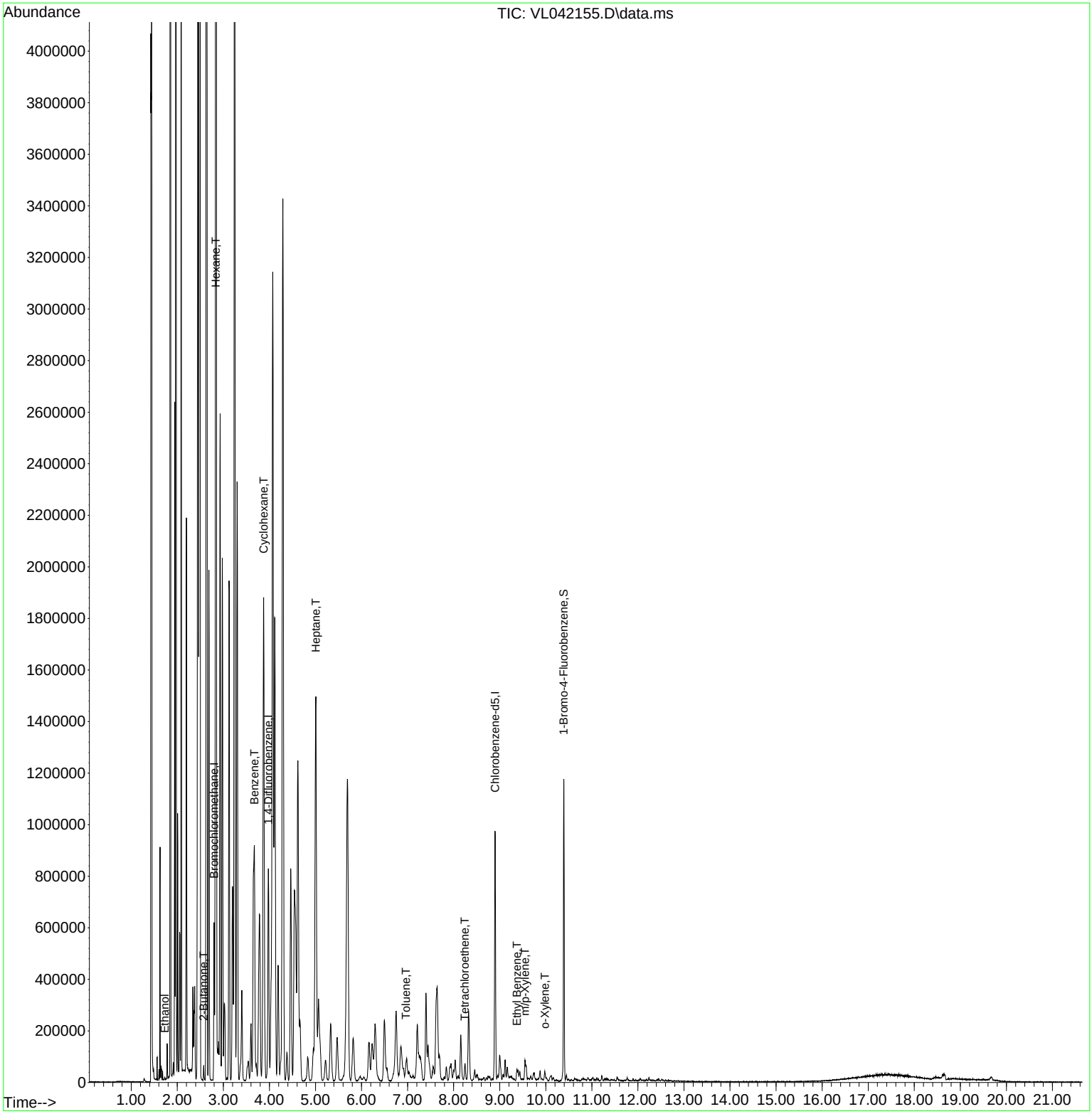
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042155.D
Acq On : 17 Mar 2025 13:37
Operator : SY/MD
Sample : Q1586-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

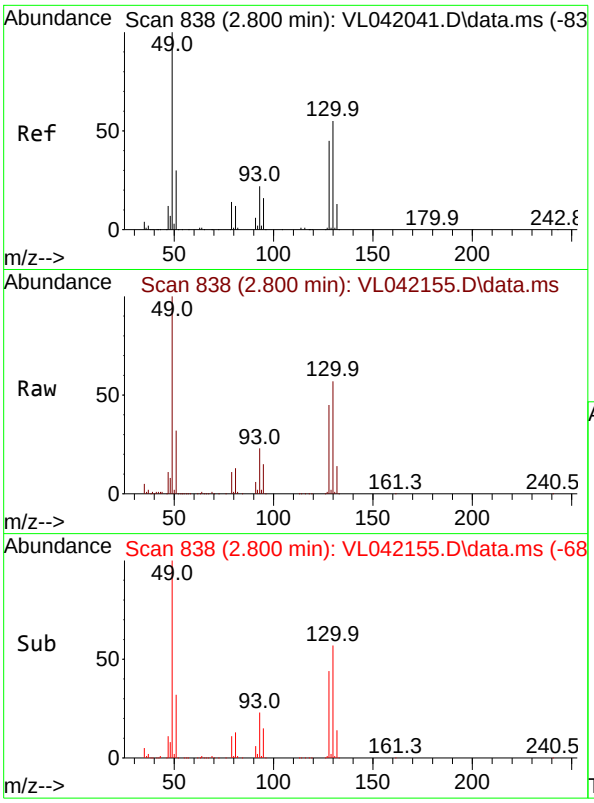
Quant Time: Mar 18 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

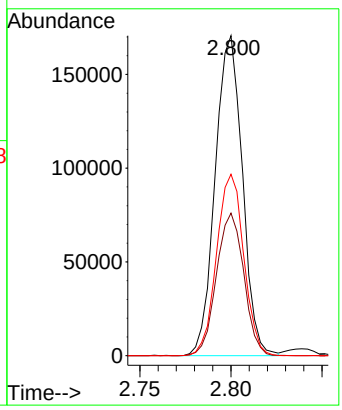




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 49 Resp: 17735

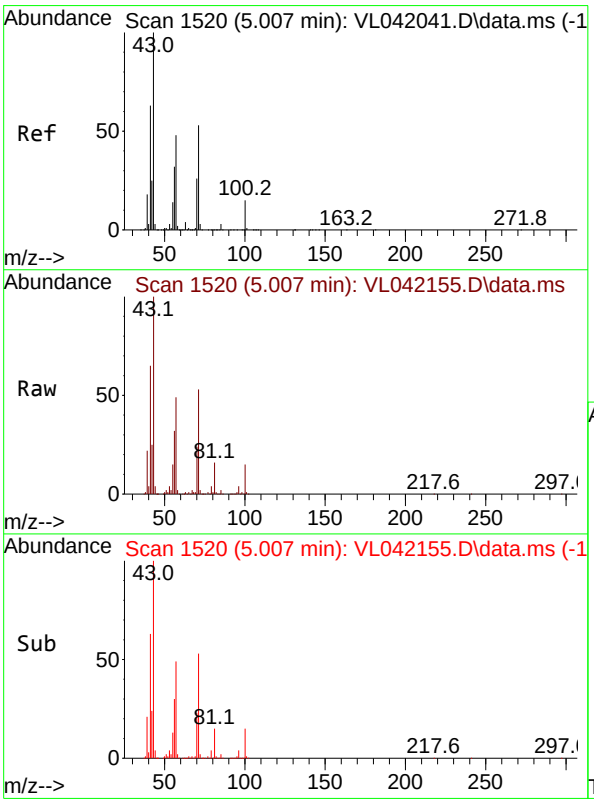
Ion	Ratio	Lower	Upper
49	100		
128	44.7	21.6	64.8
130	56.6	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

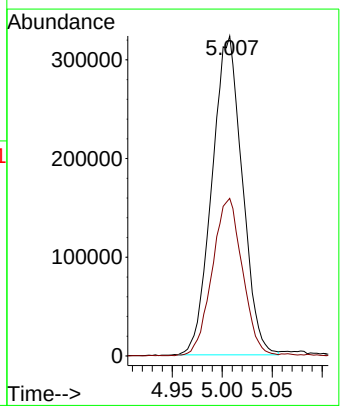
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

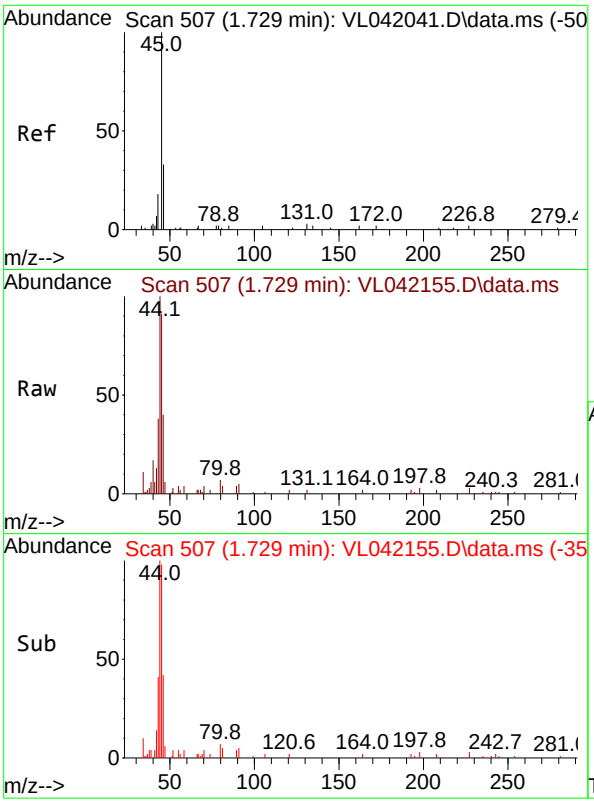


#10
Heptane
Concen: 20.794 ppbv
RT: 5.007 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 43 Resp: 679876

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.4	59.0

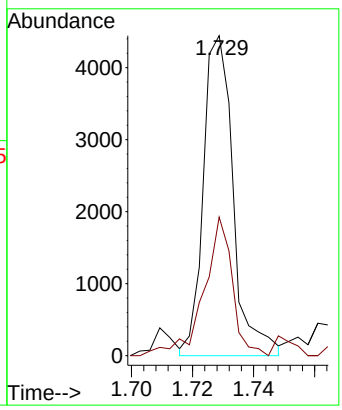




#13
Ethanol
Concen: 4.527 ppbv m
RT: 1.729 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 45 Resp: 301

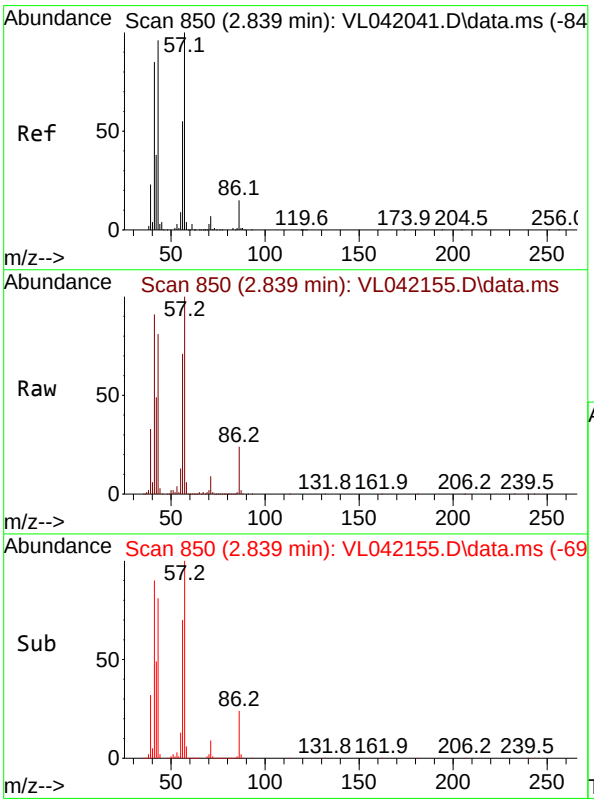
Ion	Ratio	Lower	Upper
45	100		
46	9297.0	17.1	68.1



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

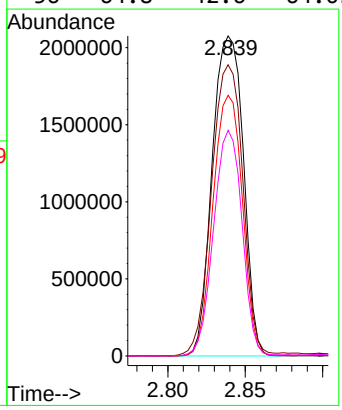
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

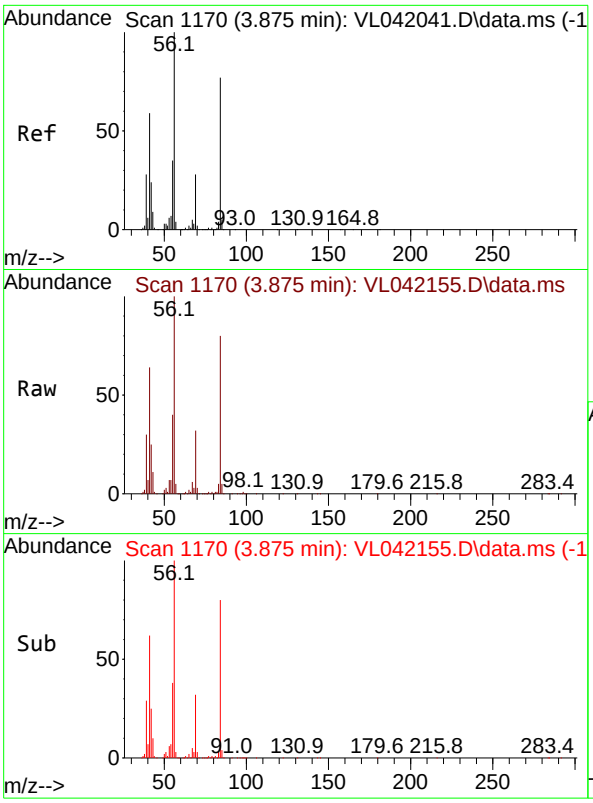


#26
Hexane
Concen: 114.396 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 57 Resp: 2899377

Ion	Ratio	Lower	Upper
57	100		
41	92.5	70.6	106.0
43	76.8	199.4	299.0#
56	64.8	42.6	64.0#

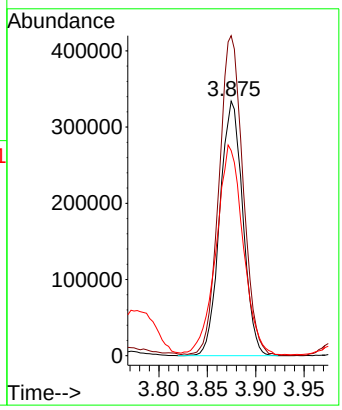




#30
Cyclohexane
Concen: 26.810 ppbv
RT: 3.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 84 Resp: 55151

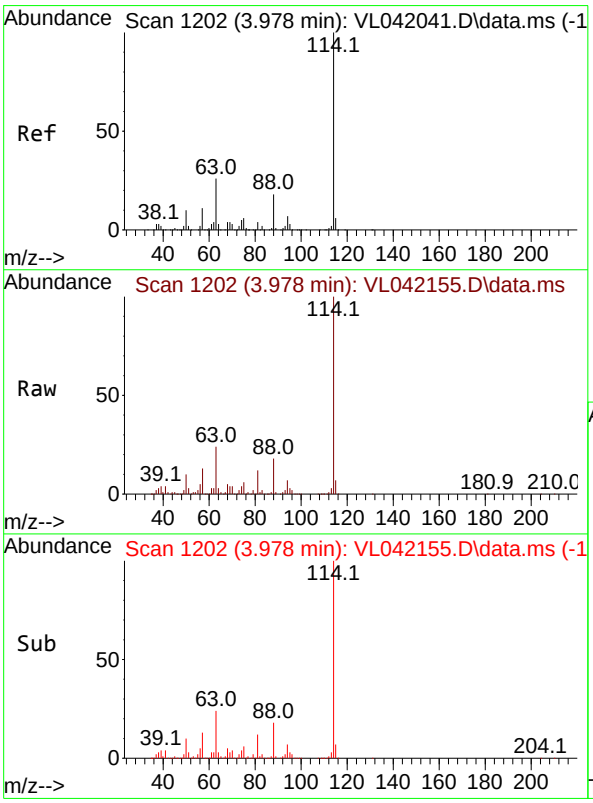
Ion	Ratio	Lower	Upper
84	100		
56	131.7	101.5	152.3
41	96.1	62.6	93.8



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

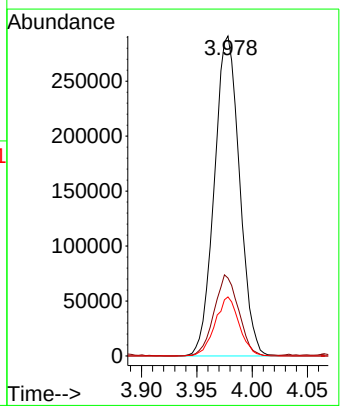
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

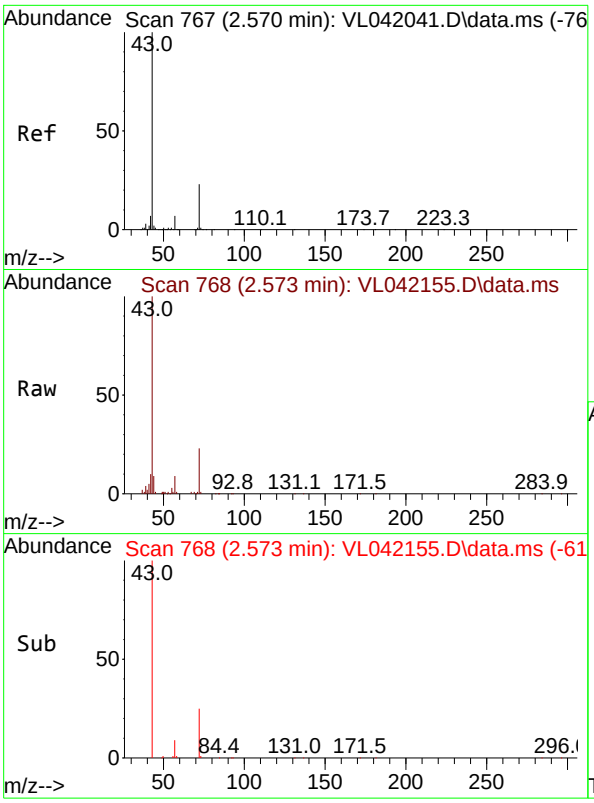


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion:114 Resp: 461268

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.7	14.3	21.5

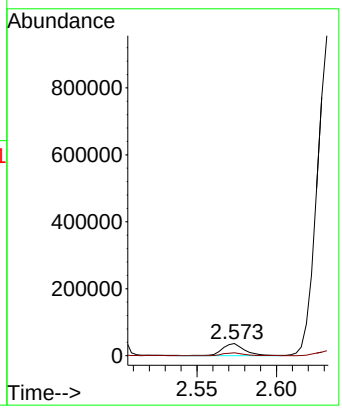




#34
2-Butanone
Concen: 0.992 ppbv m
RT: 2.573 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 43 Resp: 3566

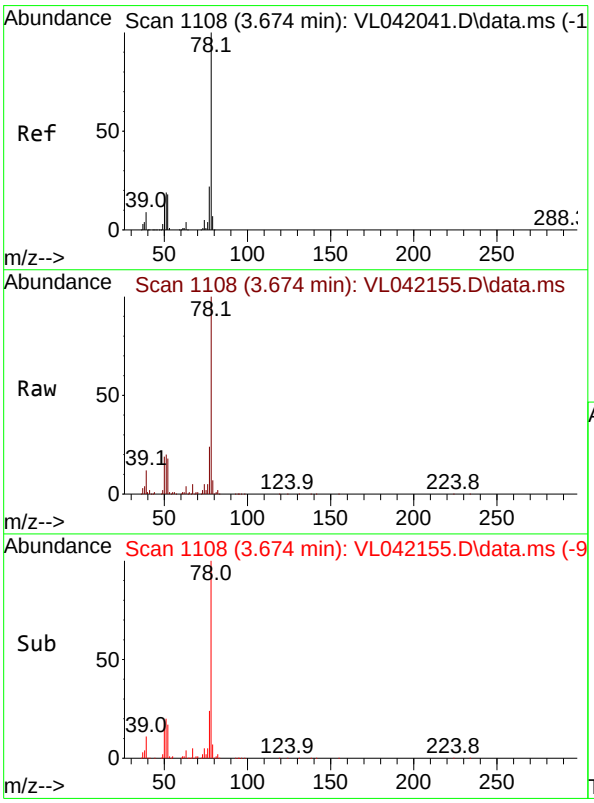
Ion	Ratio	Lower	Upper
43	100		
72	50.6	18.5	27.7



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

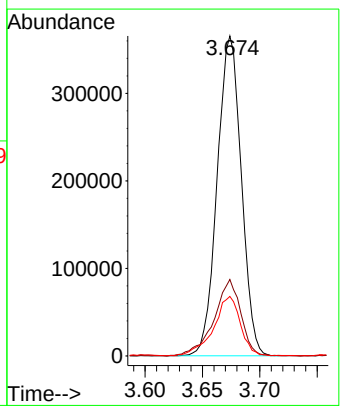
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

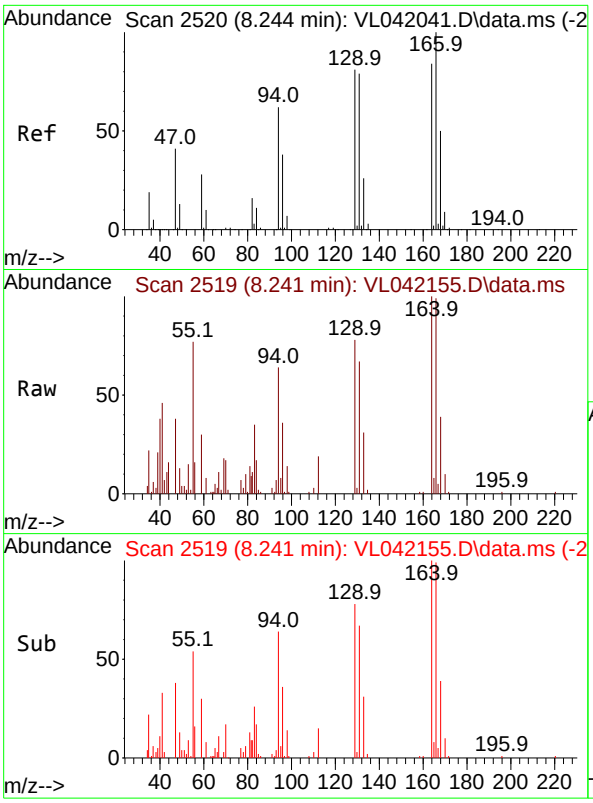


#36
Benzene
Concen: 11.078 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 78 Resp: 534931

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.7	26.5
50	18.4	13.9	20.9

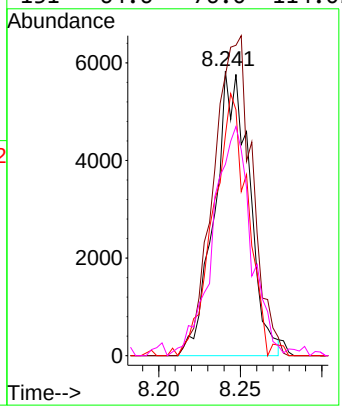




#52
Tetrachloroethene
Concen: 0.525 ppbv
RT: 8.241 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion:164 Resp: 868

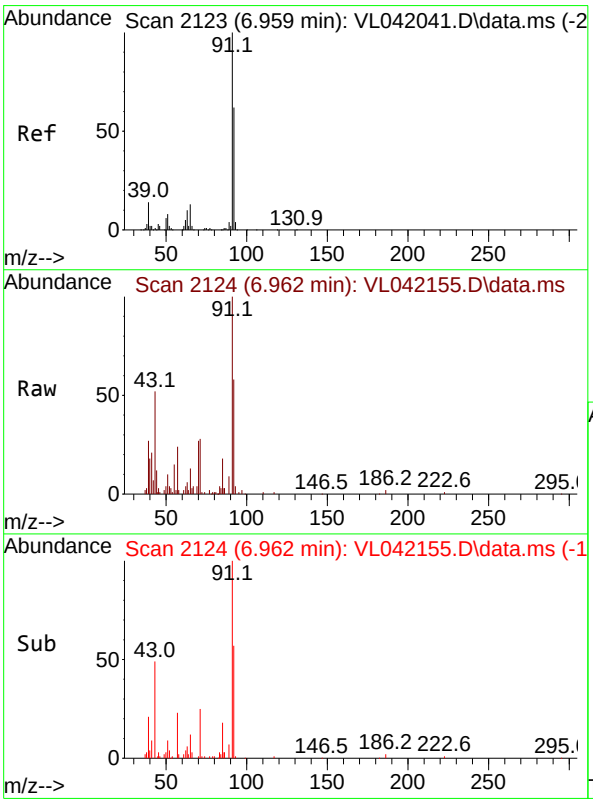
Ion	Ratio	Lower	Upper
164	100		
166	98.5	95.7	143.5
129	77.5	77.1	115.7
131	64.6	76.0	114.0#



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

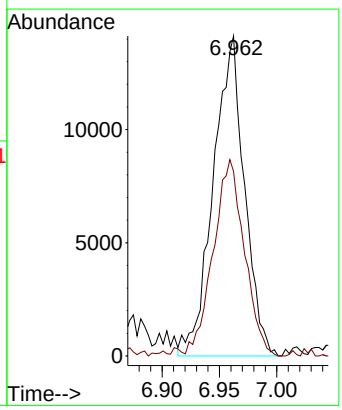
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

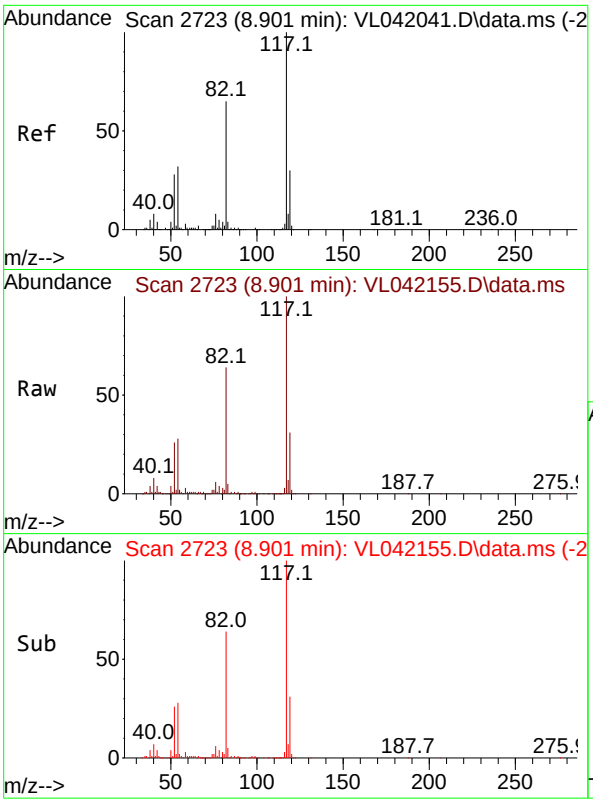


#53
Toluene
Concen: 0.496 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 26788

Ion	Ratio	Lower	Upper
91	100		
92	62.4	49.0	73.6

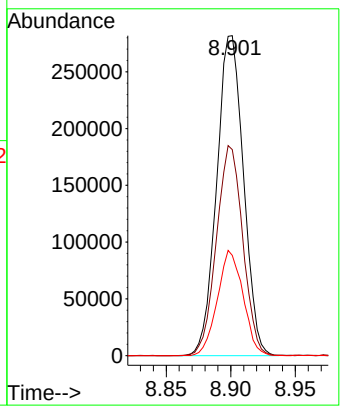




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion:117 Resp: 40725

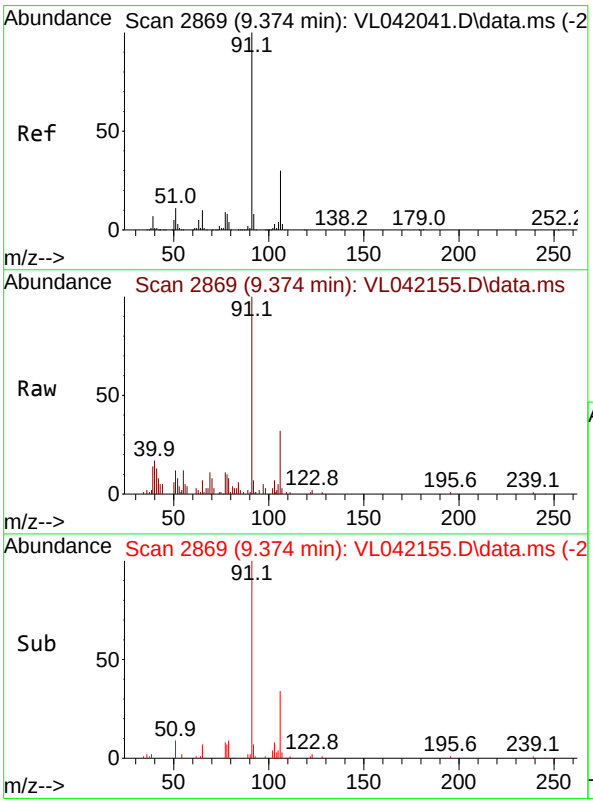
Ion	Ratio	Lower	Upper
117	100		
82	64.8	55.0	82.6
119	31.6	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

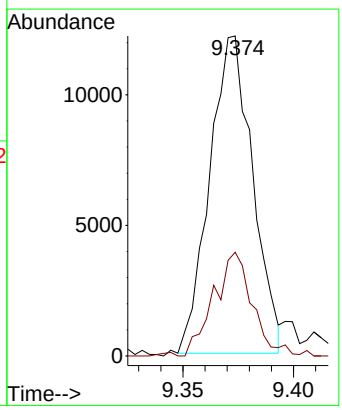
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

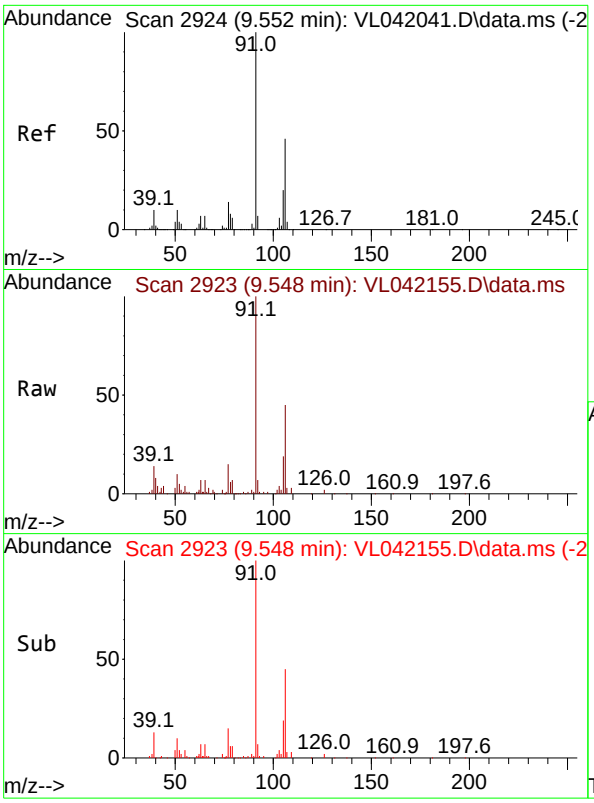


#58
Ethyl Benzene
Concen: 0.220 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 16465

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.2





#59
m/p-Xylene
Concen: 0.850 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

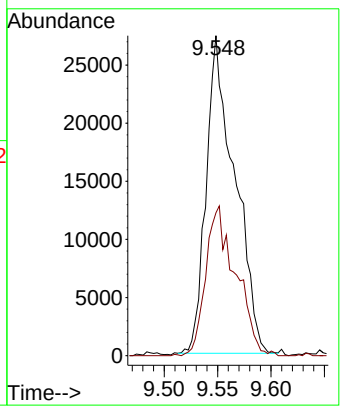
Tgt Ion: 91 Resp: 5075

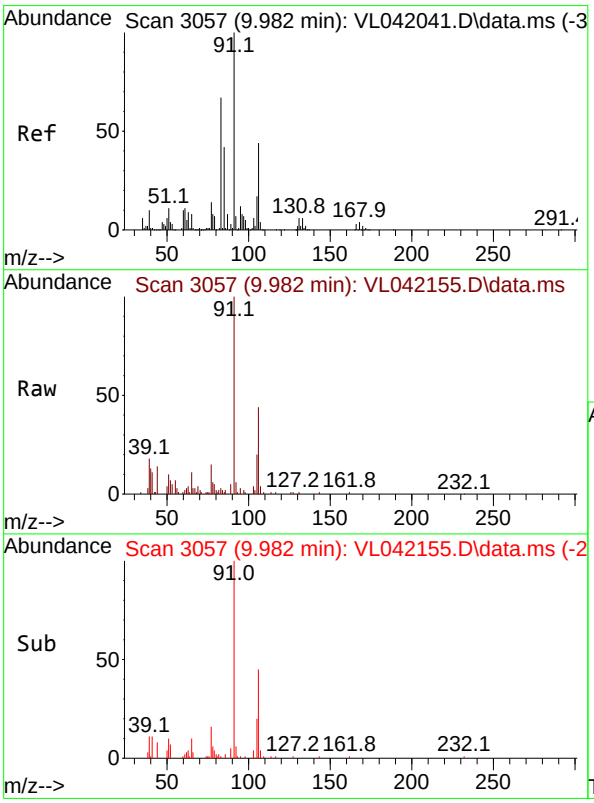
Ion	Ratio	Lower	Upper
91	100		
106	49.6	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

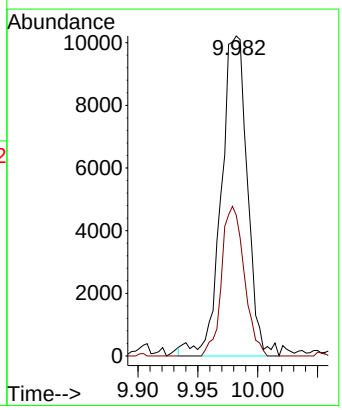


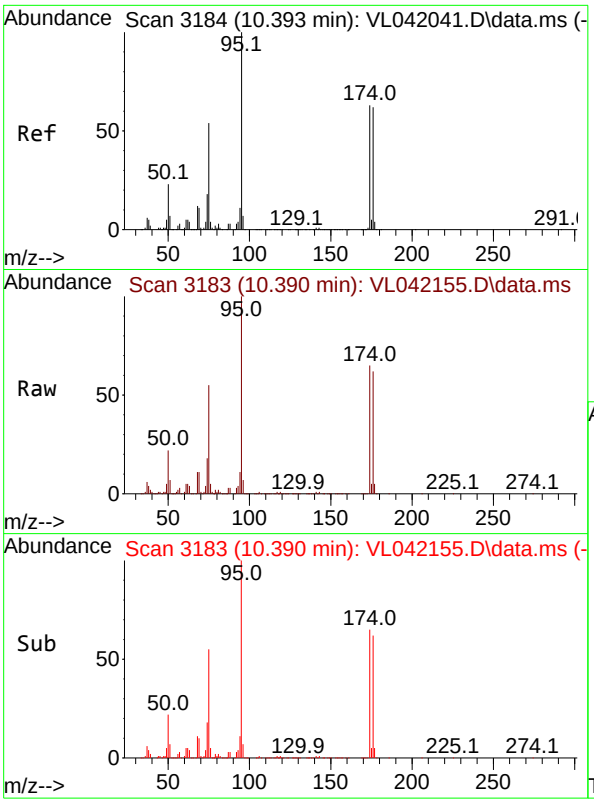


#60
o-Xylene
Concen: 0.258 ppbv m
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 15505

Ion	Ratio	Lower	Upper
91	100		
106	162.4	22.3	66.8#

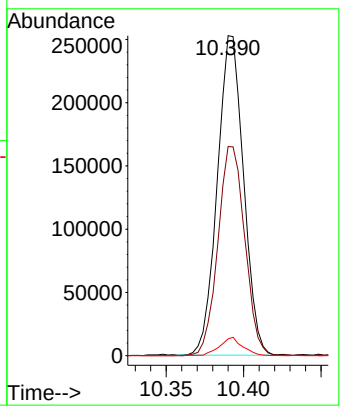




#68
1-Bromo-4-Fluorobenzene
Concen: 9.506 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 95 Resp: 29783

Ion	Ratio	Lower	Upper
95	100		
174	67.1	51.8	77.6
175	5.1	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1DL2	SDG No.:	Q1586
Lab Sample ID:	Q1586-01DL2	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
VL042161.D	600		03/17/25 17:01	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	130	643	UD	643	1480	ug/m3
74-87-3	Chloromethane	58.8	121	UD	121	620	ug/m3
75-01-4	Vinyl Chloride	8.40	21.5	UD	21.5	46.0	ug/m3
74-83-9	Bromomethane	84.0	326	UD	326	1160	ug/m3
75-00-3	Chloroethane	100	264	UD	264	792	ug/m3
109-99-9	Tetrahydrofuran	78.0	230	UD	230	885	ug/m3
75-69-4	Trichlorofluoromethane	96.0	539	UD	539	1690	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	96.0	736	UD	736	2300	ug/m3
76-14-2	Dichlorotetrafluoroethane	52.8	369	UD	369	2100	ug/m3
75-65-0	tert-Butyl alcohol	110	333	UD	333	909	ug/m3
142-82-5	Heptane	590	2420	D	270	1230	ug/m3
75-35-4	1,1-Dichloroethene	84.0	333	UD	333	1190	ug/m3
67-64-1	Acetone	140	333	UD	333	713	ug/m3
75-15-0	Carbon Disulfide	96.0	299	UD	299	934	ug/m3
1634-04-4	Methyl tert-Butyl Ether	72.0	260	UD	260	1080	ug/m3
75-09-2	Methylene Chloride	110	382	UD	382	1040	ug/m3
156-60-5	trans-1,2-Dichloroethene	110	436	UD	436	1190	ug/m3
75-34-3	1,1-Dichloroethane	78.0	316	UD	316	1210	ug/m3
110-82-7	Cyclohexane	780	2680	D	447	1030	ug/m3
78-93-3	2-Butanone	72.0	212	UD	212	885	ug/m3
56-23-5	Carbon Tetrachloride	6.60	41.5	UD	41.5	113	ug/m3
156-59-2	cis-1,2-Dichloroethene	53.4	212	UD	212	1190	ug/m3
67-66-3	Chloroform	49.8	243	UD	243	1470	ug/m3
71-55-6	1,1,1-Trichloroethane	5.70	31.1	UD	31.1	98.2	ug/m3
540-84-1	2,2,4-Trimethylpentane	60.0	280	UD	280	1400	ug/m3
71-43-2	Benzene	420	1340	D	167	958	ug/m3
107-06-2	1,2-Dichloroethane	54.6	221	UD	221	1210	ug/m3
79-01-6	Trichloroethene	10.2	54.8	UD	54.8	96.7	ug/m3
78-87-5	1,2-Dichloropropane	66.0	305	UD	305	1390	ug/m3
75-27-4	Bromodichloromethane	46.2	310	UD	310	2010	ug/m3
108-10-1	4-Methyl-2-Pentanone	55.8	229	UD	229	1230	ug/m3
108-88-3	Toluene	66.0	249	UD	249	1130	ug/m3
10061-02-6	t-1,3-Dichloropropene	36.0	163	UD	163	1360	ug/m3
10061-01-5	cis-1,3-Dichloropropene	38.4	174	UD	174	1360	ug/m3
79-00-5	1,1,2-Trichloroethane	42.6	232	UD	232	1640	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1DL2	SDG No.:	Q1586
Lab Sample ID:	Q1586-01DL2	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
VL042161.D	600		03/17/25 17:01	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	39.6	337	UD	337	2560	ug/m3
106-93-4	1,2-Dibromoethane	43.2	332	UD	332	461	ug/m3
127-18-4	Tetrachloroethene	9.00	61.0	UD	61.0	122	ug/m3
108-90-7	Chlorobenzene	45.6	210	UD	210	1380	ug/m3
100-41-4	Ethyl Benzene	72.0	313	UD	313	1300	ug/m3
179601-23-1	m/p-Xylene	130	565	UD	565	2610	ug/m3
95-47-6	o-Xylene	72.0	313	UD	313	1300	ug/m3
100-42-5	Styrene	66.0	281	UD	281	1280	ug/m3
75-25-2	Bromoform	34.2	354	UD	354	3100	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	6.60	45.3	UD	45.3	124	ug/m3
95-49-8	2-Chlorotoluene	66.0	342	UD	342	1550	ug/m3
108-67-8	1,3,5-Trimethylbenzene	66.0	324	UD	324	1470	ug/m3
95-63-6	1,2,4-Trimethylbenzene	46.8	230	UD	230	1470	ug/m3
541-73-1	1,3-Dichlorobenzene	48.0	289	UD	289	1800	ug/m3
106-46-7	1,4-Dichlorobenzene	31.8	191	UD	191	1800	ug/m3
95-50-1	1,2-Dichlorobenzene	45.0	271	UD	271	1800	ug/m3
120-82-1	1,2,4-Trichlorobenzene	51.0	379	UD	379	2230	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	51.0	544	UD	544	3200	ug/m3
106-99-0	1,3-Butadiene	78.0	173	UD	173	664	ug/m3
91-20-3	Naphthalene	45.0	236	UD	236	315	ug/m3
622-96-8	4-Ethyltoluene	72.0	354	UD	354	1470	ug/m3
110-54-3	Hexane	6200	21900	D	233	1060	ug/m3
107-05-1	Allyl Chloride	90.0	282	UD	282	939	ug/m3
123-91-1	1,4-Dioxane	130	469	UD	469	1080	ug/m3
80-62-6	Methyl Methacrylate	51.6	211	UD	211	1230	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	159000		2.797			
540-36-3	1,4-Difluorobenzene	390000		3.972			
3114-55-4	Chlorobenzene-d5	317000		8.895			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	565-SG-1DL2	SDG No.:	Q1586
Lab Sample ID:	Q1586-01DL2	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
VL042161.D	600		03/17/25 17:01	VL031725

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\VL031725\
Data File : VL042161.D
Acq On : 17 Mar 2025 17:01
Operator : SY/MD
Sample : Q1586-01DL2 600X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL2

Quant Time: Mar 18 01:27:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

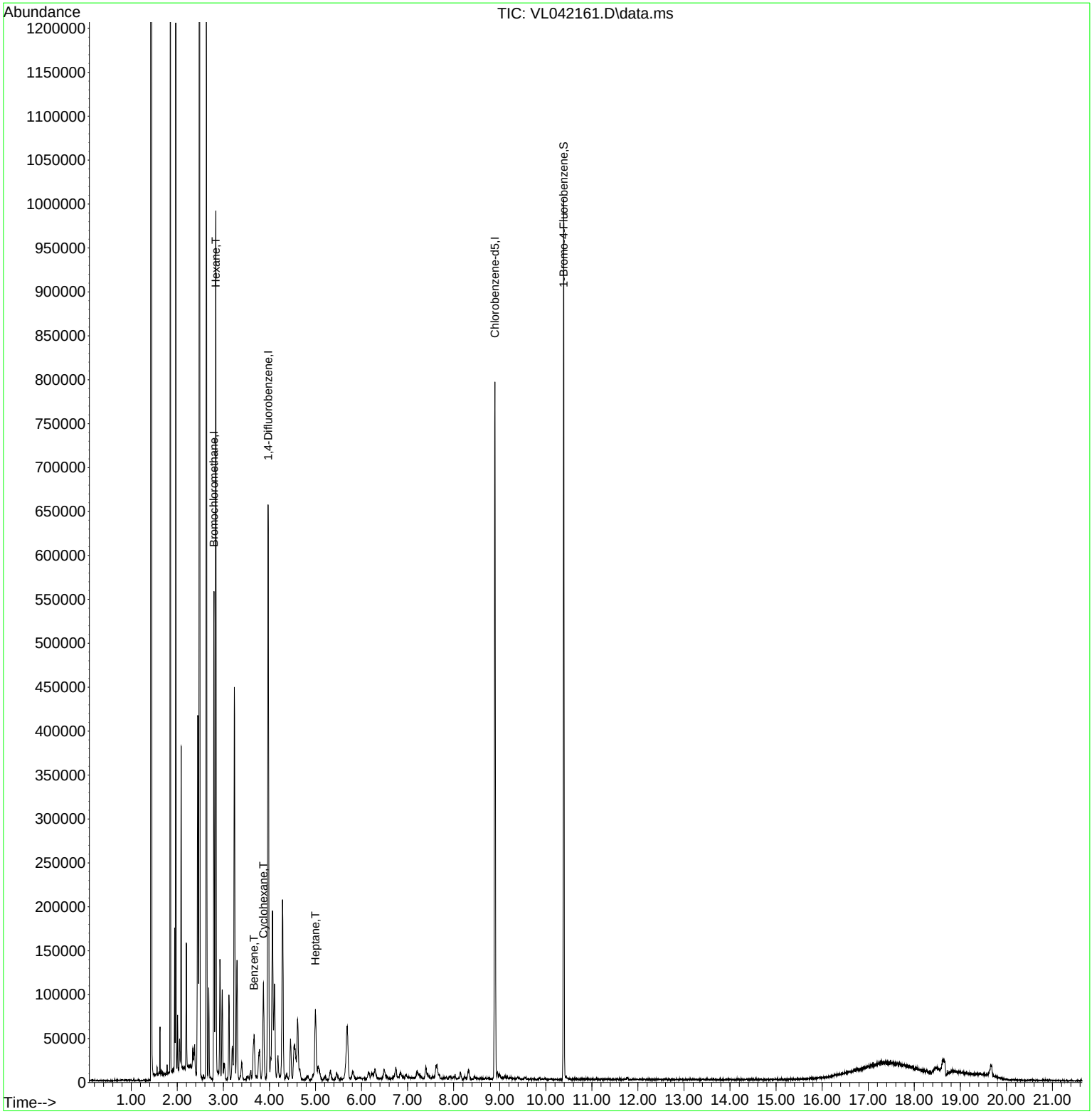
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	159357	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	390233	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	317448	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	242589	9.933	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
10) Heptane	4.998	43	29095	0.990	ppbv	91
26) Hexane	2.836	57	235603	10.346	ppbv #	34
30) Cyclohexane	3.872	84	23988	1.298	ppbv #	77
36) Benzene	3.668	78	28676	0.702	ppbv	94

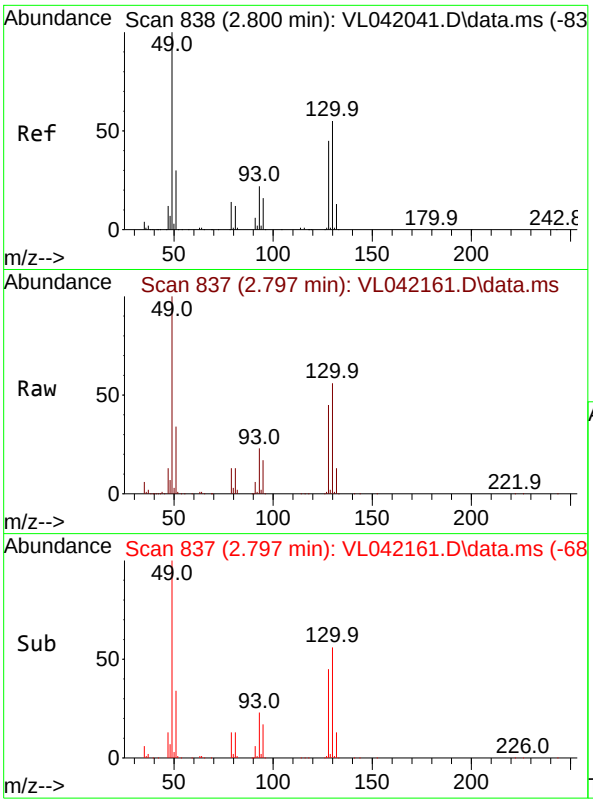
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042161.D
Acq On : 17 Mar 2025 17:01
Operator : SY/MD
Sample : Q1586-01DL2 600X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL2

Quant Time: Mar 18 01:27:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



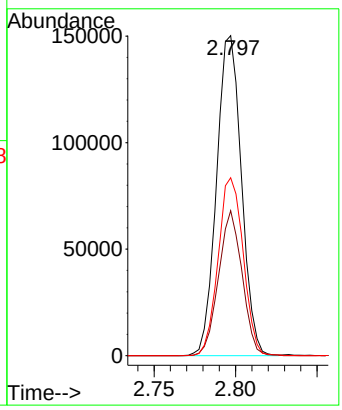


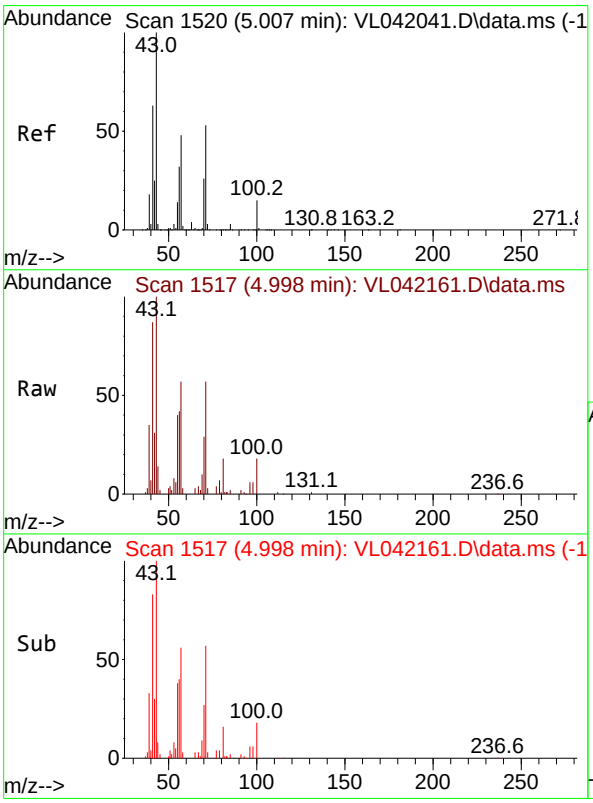
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL2

Tgt Ion: 49 Resp: 159357

Ion	Ratio	Lower	Upper
49	100		
128	42.8	21.6	64.8
130	56.0	27.8	83.4

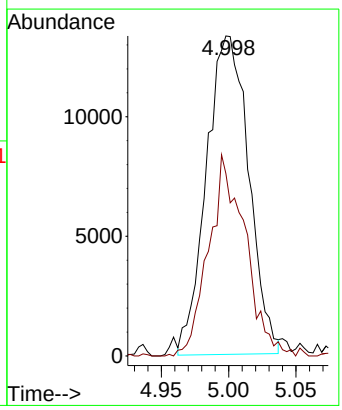


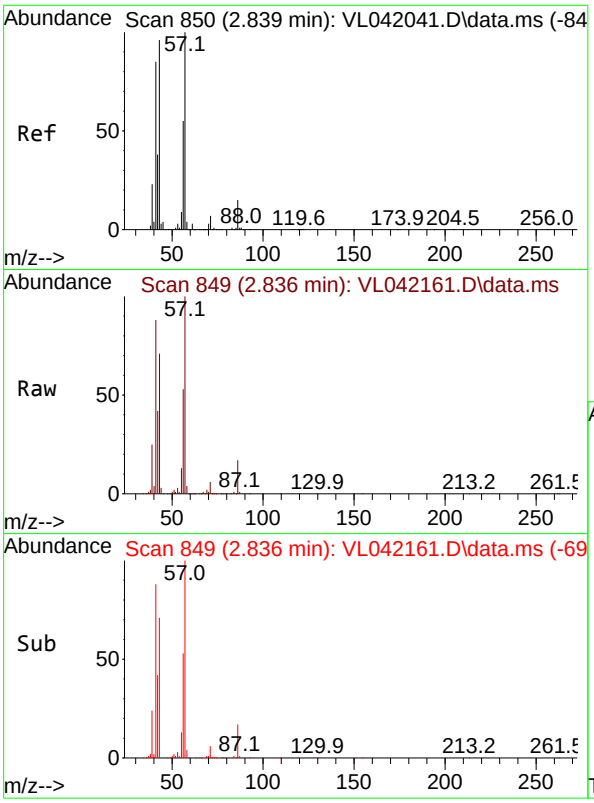


#10
Heptane
Concen: 0.990 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. -0.010 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Tgt Ion: 43 Resp: 29095

Ion	Ratio	Lower	Upper
43	100		
57	55.1	39.4	59.0



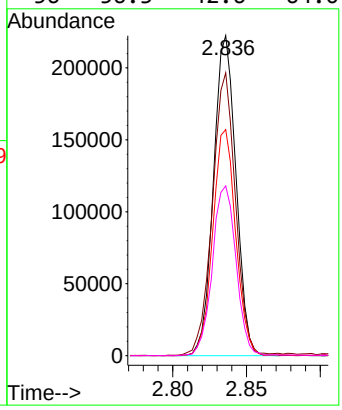


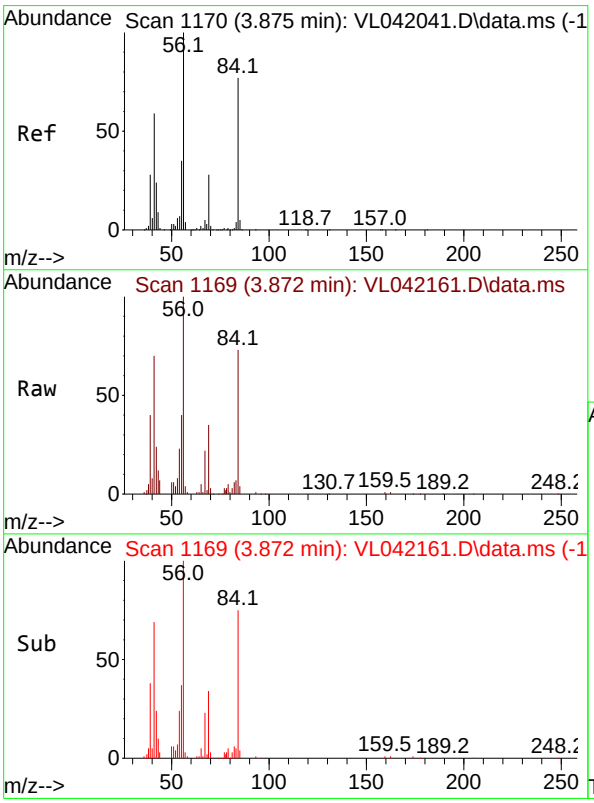
#26
Hexane
Concen: 10.346 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL2

Tgt Ion: 57 Resp: 235603

Ion	Ratio	Lower	Upper
57	100		
41	92.1	70.6	106.0
43	72.4	199.4	299.0#
56	56.3	42.6	64.0

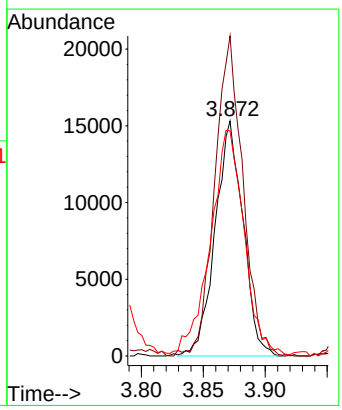


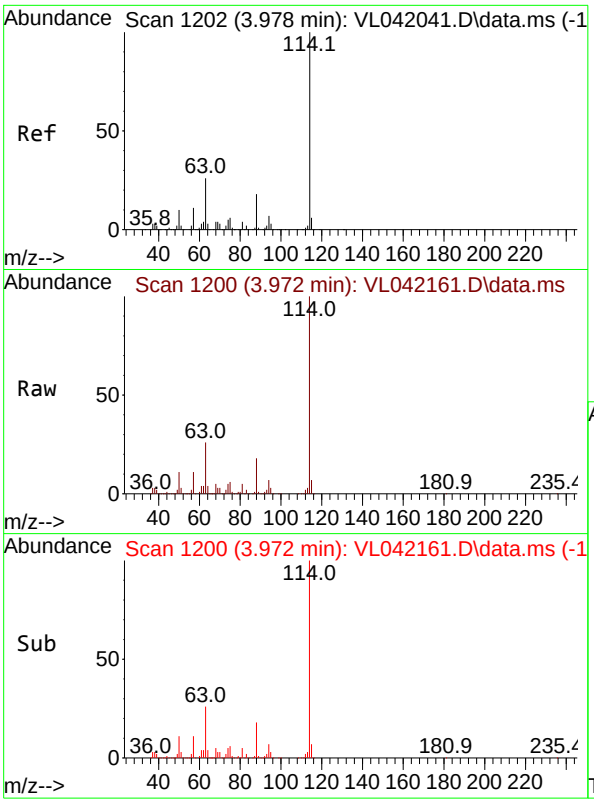


#30
Cyclohexane
Concen: 1.298 ppbv
RT: 3.872 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Tgt Ion: 84 Resp: 23988

Ion	Ratio	Lower	Upper
84	100		
56	137.5	101.5	152.3
41	118.0	62.6	93.8#



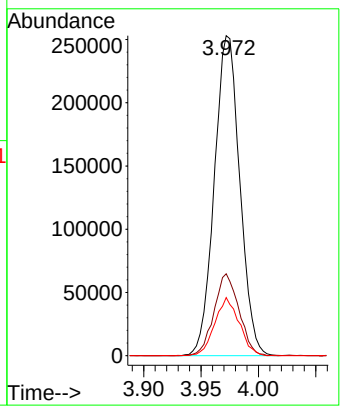


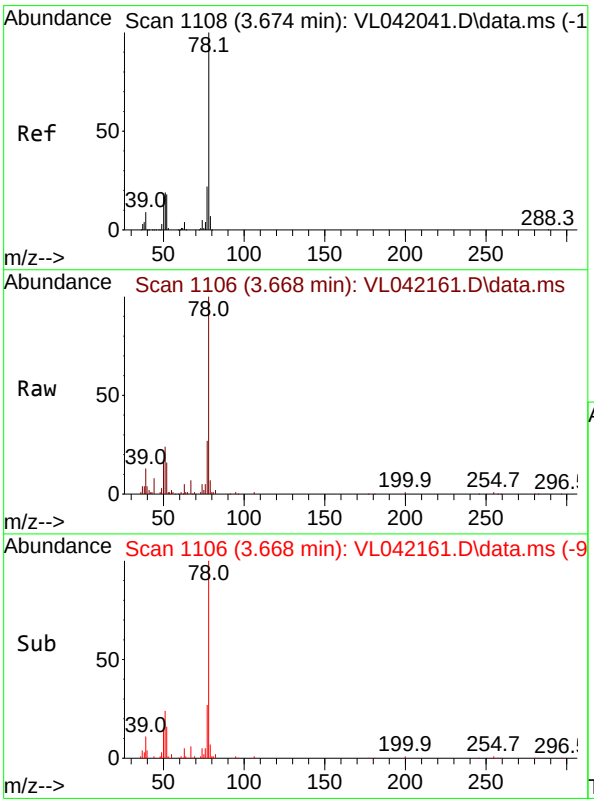
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL2

Tgt Ion:114 Resp: 390233

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.1	30.1
88	17.5	14.3	21.5

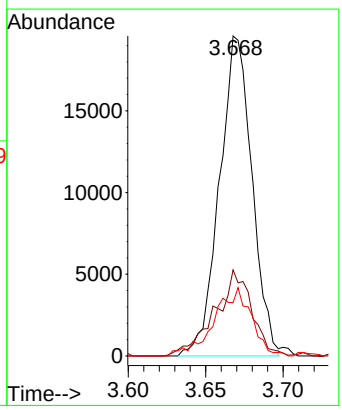


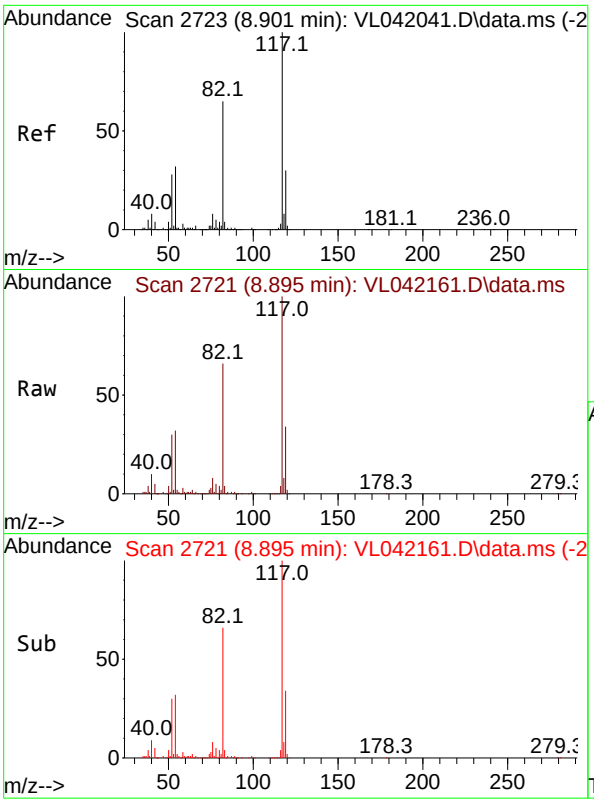


#36
Benzene
Concen: 0.702 ppbv
RT: 3.668 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Tgt Ion: 78 Resp: 28676

Ion	Ratio	Lower	Upper
78	100		
77	25.3	17.7	26.5
50	15.5	13.9	20.9



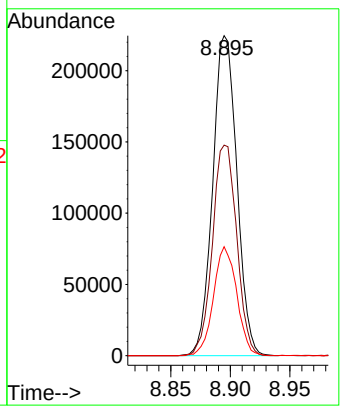


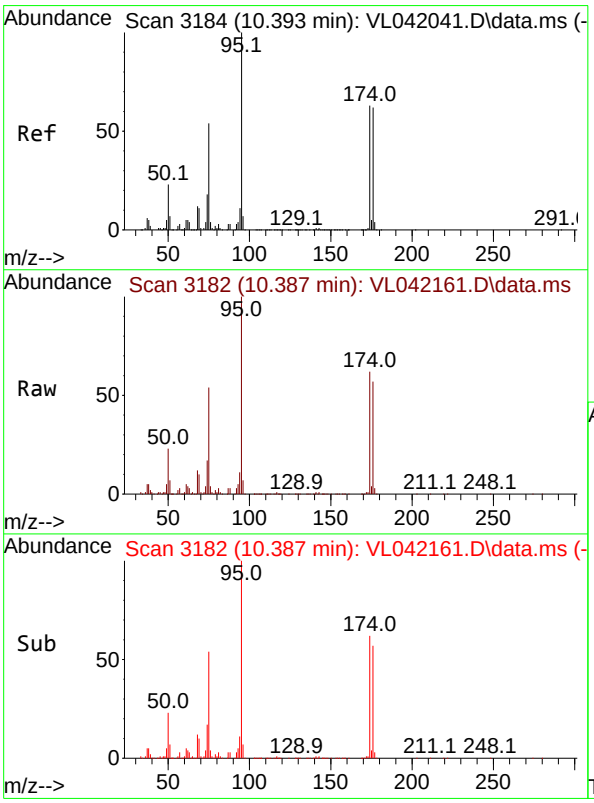
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL2

Tgt Ion:117 Resp: 317448

Ion	Ratio	Lower	Upper
117	100		
82	66.1	55.0	82.6
119	32.8	25.9	38.9

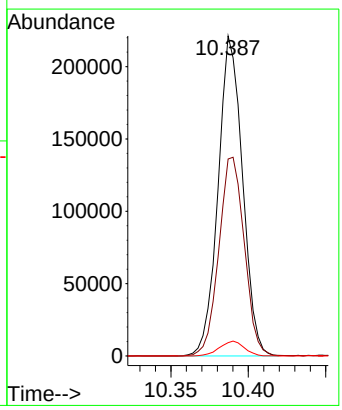




#68
1-Bromo-4-Fluorobenzene
Concen: 9.933 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. -0.006 min
Lab File: VL042161.D
Acq: 17 Mar 2025 17:01

Tgt Ion: 95 Resp: 242589

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.8	77.6
175	4.7	3.9	5.9



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:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-1	SDG No.:	Q1586
Lab Sample ID:	Q1586-02	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
VL042159.D	1		03/17/25 15:53	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.54	2.67		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	0.31	1.74	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	0.24	0.73	J	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	8.50	20.2		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	1.50	4.67		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	0.50	1.74		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	0.68	2.01		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	0.78	3.81		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	0.11	0.35	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	0.11	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

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-1	SDG No.:	Q1586
Lab Sample ID:	Q1586-02	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
VL042159.D	1		03/17/25 15:53	VL031725

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	3.10	21.0		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	0.29	1.02	J	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	161000		2.797			
540-36-3	1,4-Difluorobenzene	390000		3.971			
3114-55-4	Chlorobenzene-d5	319000		8.898			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-1	SDG No.:	Q1586
Lab Sample ID:	Q1586-02	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
VL042159.D	1		03/17/25 15:53	VL031725

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\VL031725\
Data File : VL042159.D
Acq On : 17 Mar 2025 15:53
Operator : SY/MD
Sample : Q1586-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	161407	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.971	114	390134	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	319342	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	249363	10.150	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9053	0.539	ppbv		99
3) Chlorodifluoromethane	1.479	51	7553	0.322	ppbv		98
9) Propene	1.486	41	4387m	0.459	ppbv		
11) Trichlorofluoromethane	1.881	101	5286	0.314	ppbv		93
13) Ethanol	1.725	45	34953	57.615	ppbv		90
15) Acetone	1.842	43	121151	8.499	ppbv		98
17) tert-Butyl alcohol	2.049	59	4187	0.235	ppbv	#	82
20) Methylene Chloride	2.068	84	2702	0.501	ppbv	#	78
26) Hexane	2.839	57	6791	0.294	ppbv	#	35
27) Carbon Disulfide	2.156	76	23496	1.503	ppbv	#	1
29) Chloroform	2.858	83	24129	0.777	ppbv		97
34) 2-Butanone	2.570	43	20731	0.682	ppbv		96
35) Carbon Tetrachloride	3.780	117	2229m	0.083	ppbv		
36) Benzene	3.674	78	4592	0.112	ppbv	#	94
52) Tetrachloroethene	8.241	164	43646	3.122	ppbv		96

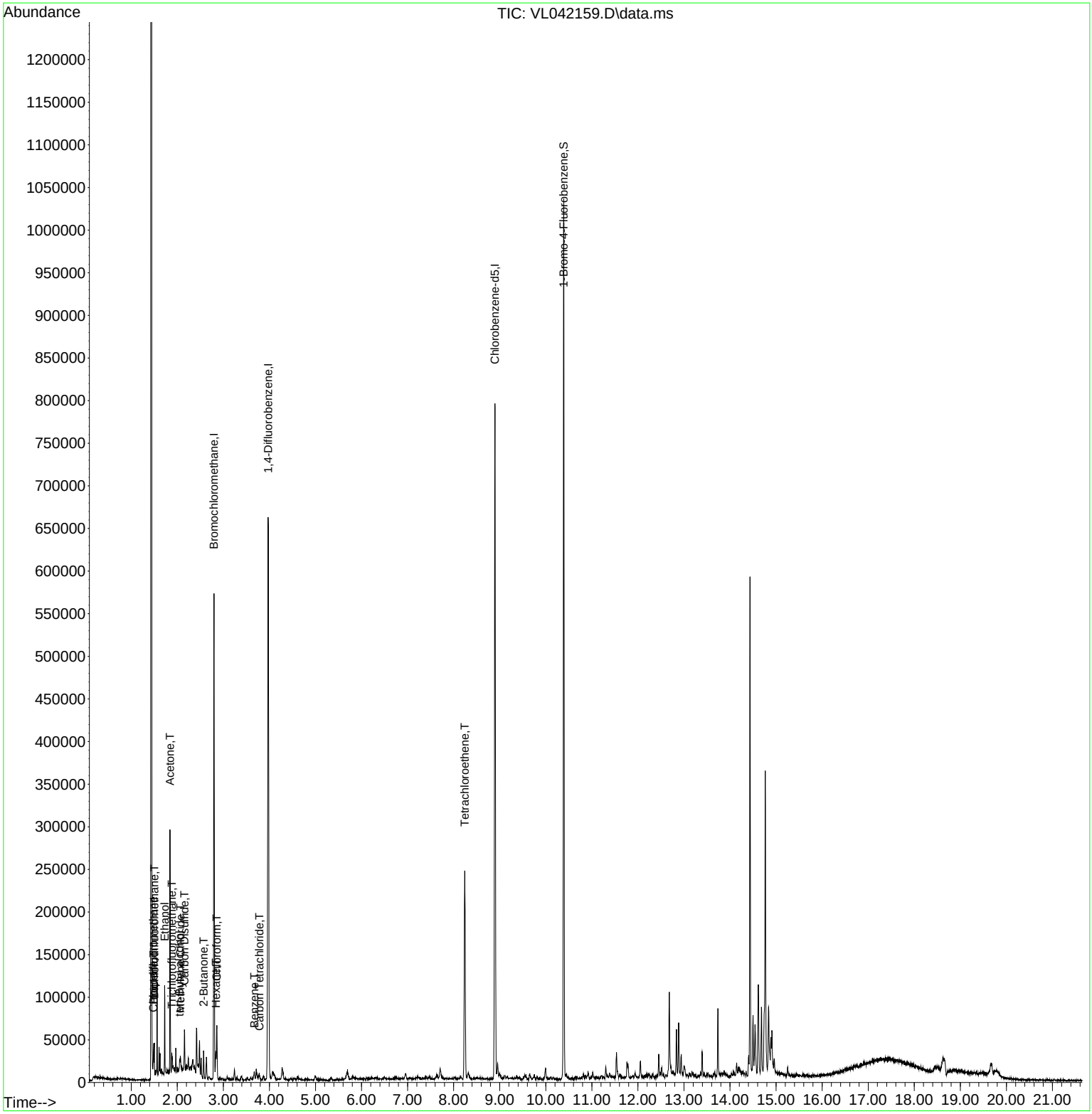
(#) = qualifier out of range (m) = manual integration (+) = signals summed

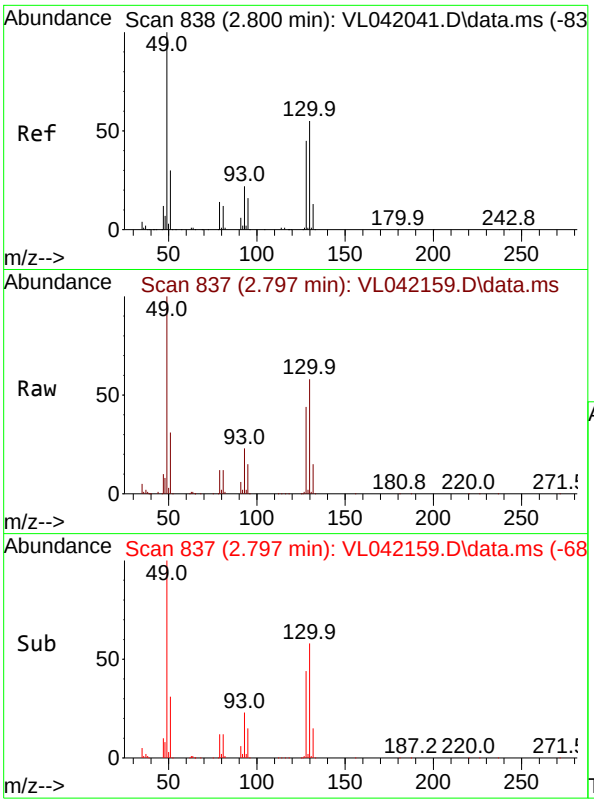
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042159.D
Acq On : 17 Mar 2025 15:53
Operator : SY/MD
Sample : Q1586-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

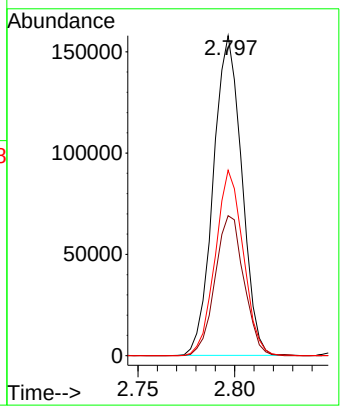




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 49 Resp: 16140

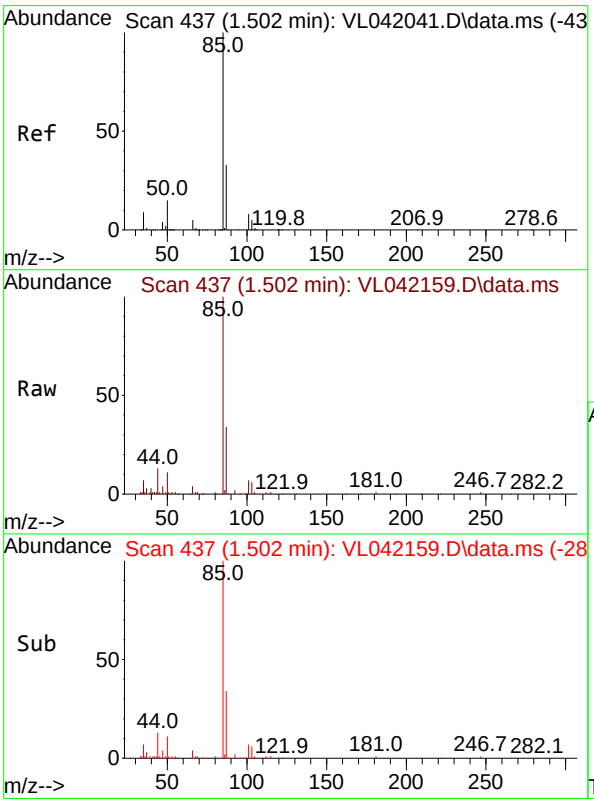
Ion	Ratio	Lower	Upper
49	100		
128	44.3	21.6	64.8
130	57.2	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

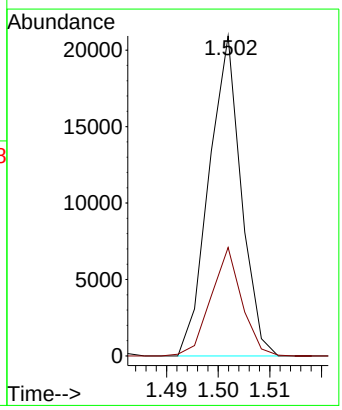
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

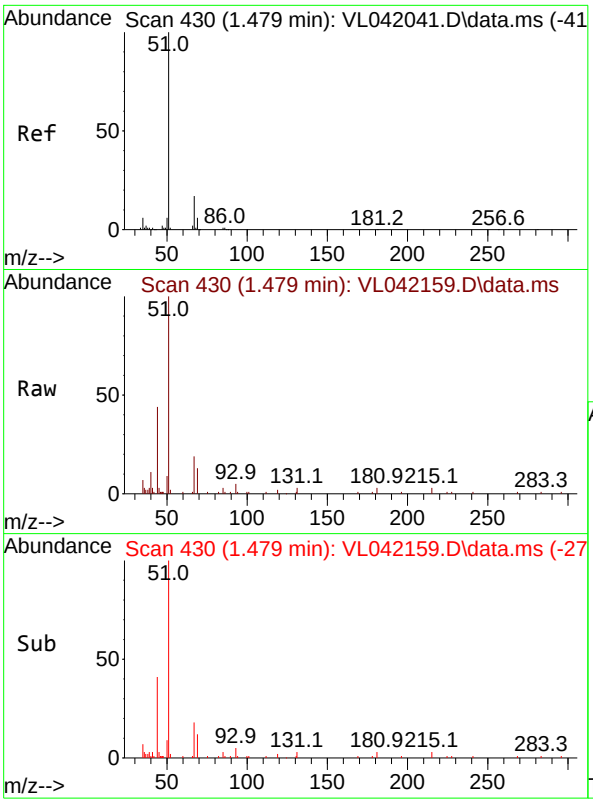


#2
Dichlorodifluoromethane
Concen: 0.539 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 85 Resp: 9053

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.4	39.6

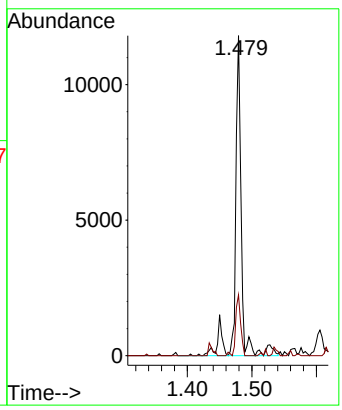




#3
Chlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 51 Resp: 755

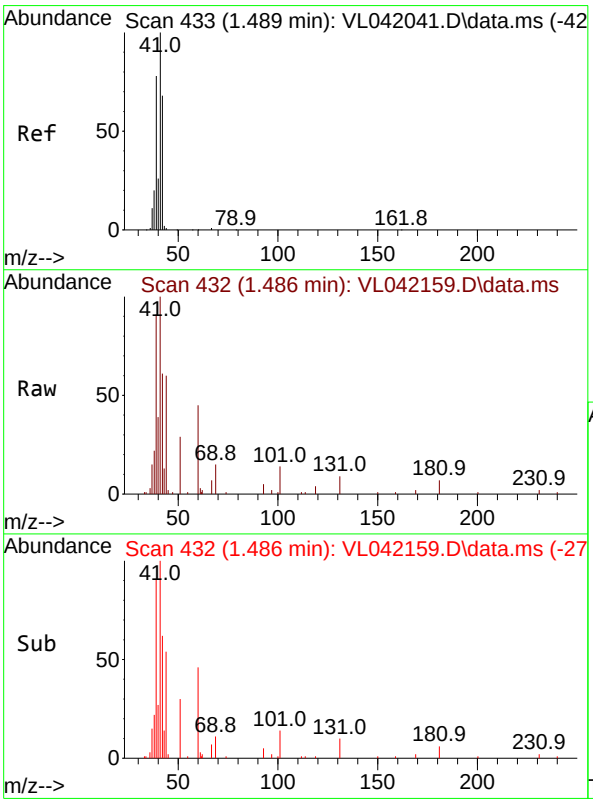
Ion	Ratio	Lower	Upper
51	100		
67	16.0	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

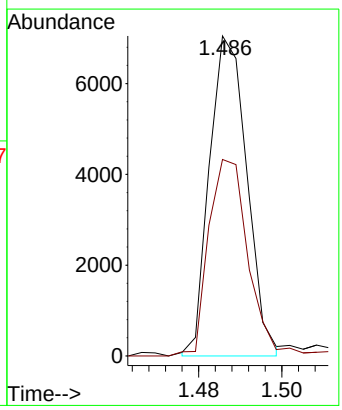
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

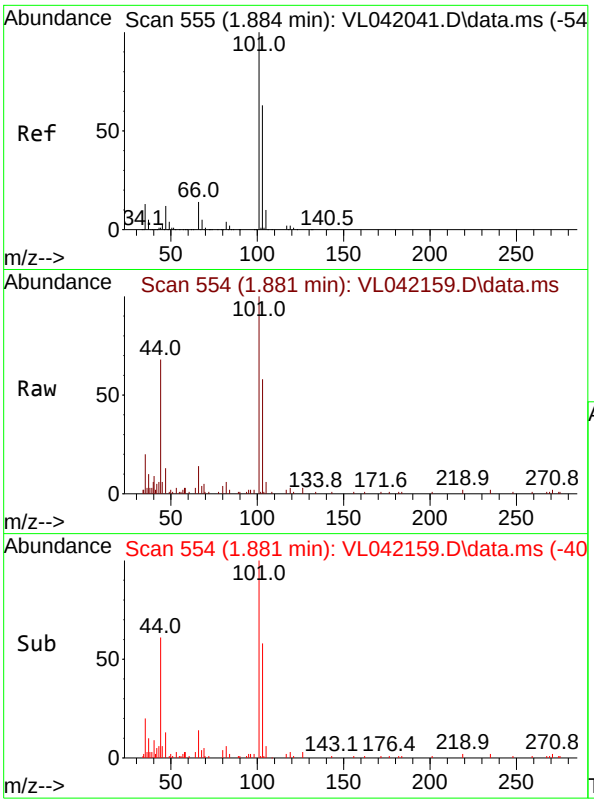


#9
Propene
Concen: 0.459 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 41 Resp: 4387

Ion	Ratio	Lower	Upper
41	100		
42	65.6	55.8	83.6

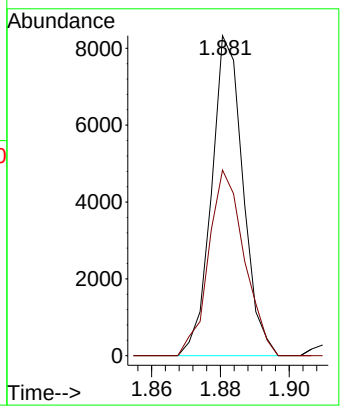




#11
Trichlorofluoromethane
Concen: 0.314 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:101 Resp: 528

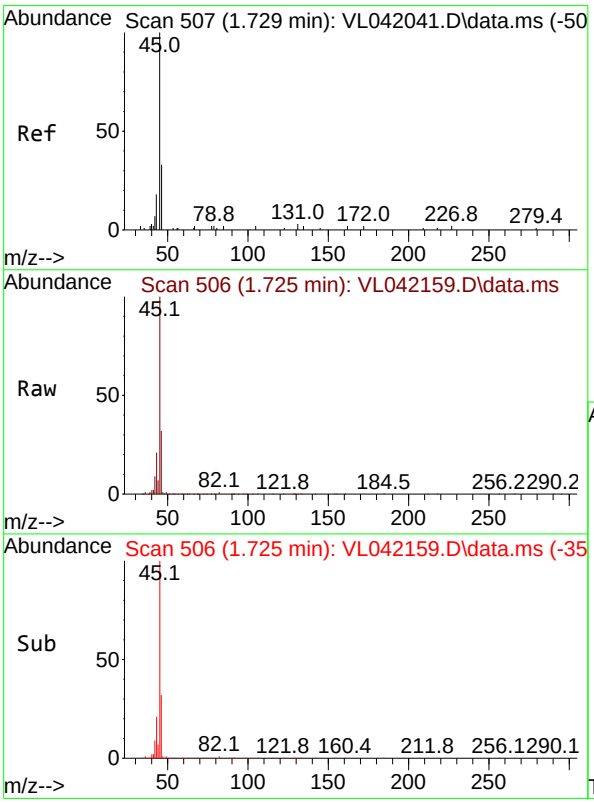
Ion	Ratio	Lower	Upper
101	100		
103	58.0	50.6	75.8



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

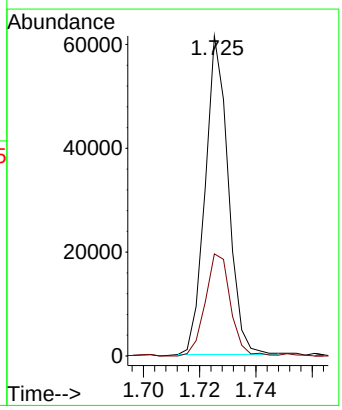
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

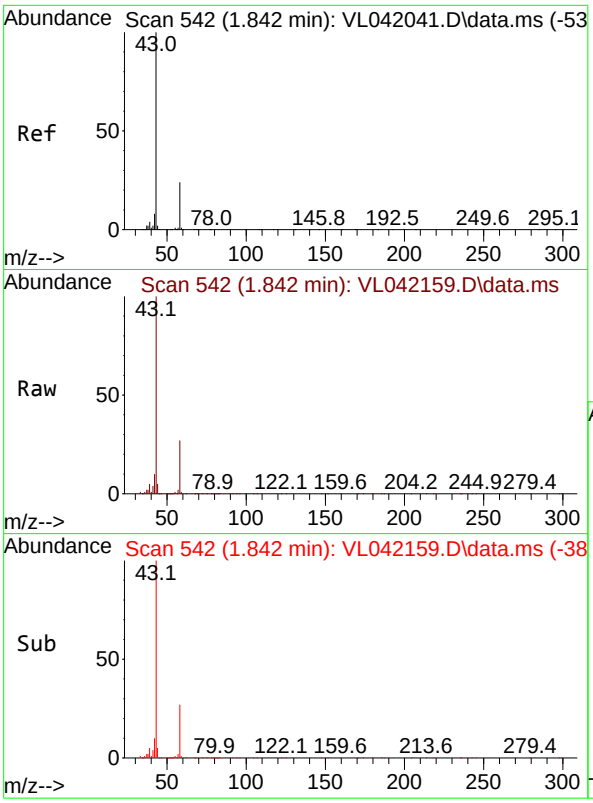


#13
Ethanol
Concen: 57.615 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 45 Resp: 34953

Ion	Ratio	Lower	Upper
45	100		
46	36.6	17.1	68.3

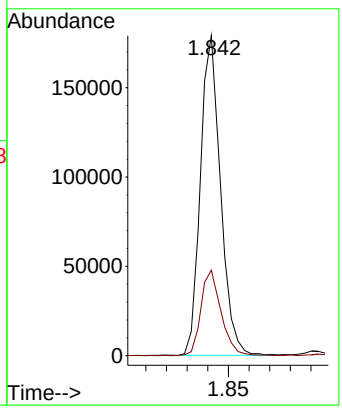




#15
Acetone
Concen: 8.499 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 43 Resp: 12115

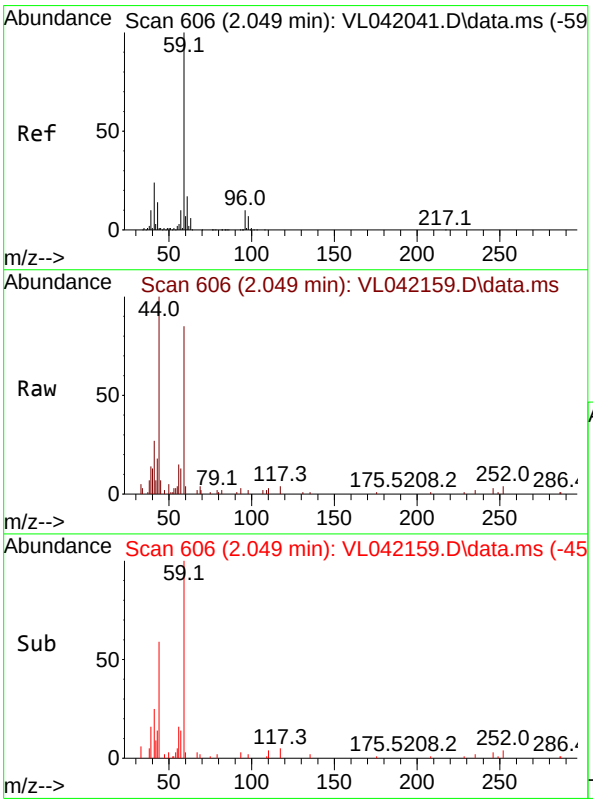
Ion	Ratio	Lower	Upper
43	100		
58	27.0	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

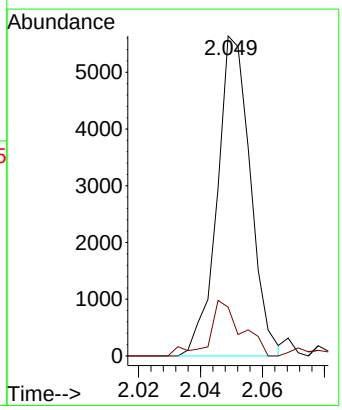
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

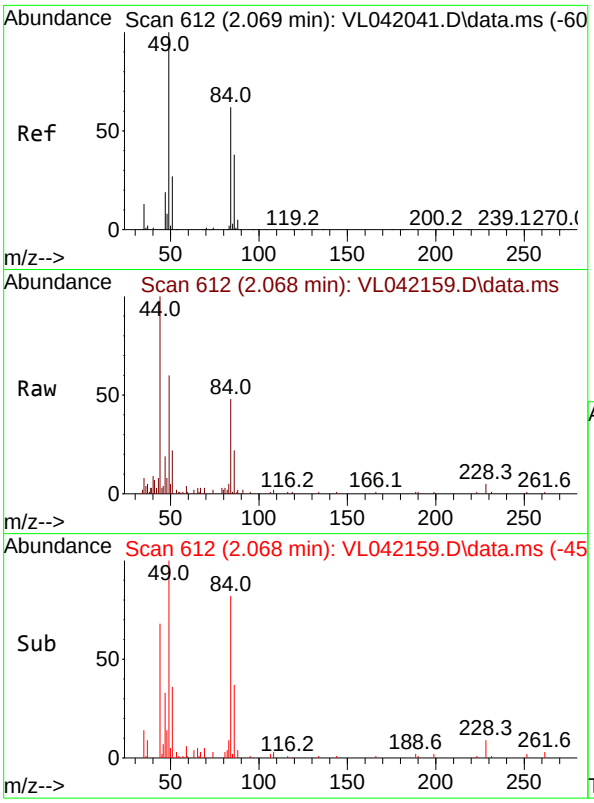


#17
tert-Butyl alcohol
Concen: 0.235 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 59 Resp: 4187

Ion	Ratio	Lower	Upper
59	100		
57	18.6	9.3	13.9#

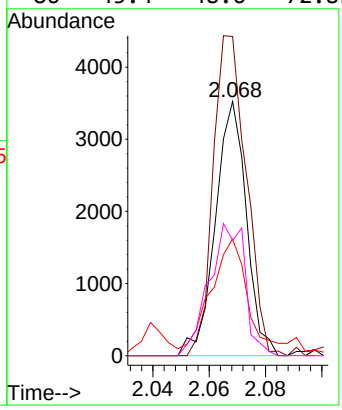




#20
Methylene Chloride
Concen: 0.501 ppbv
RT: 2.068 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 84 Resp: 270

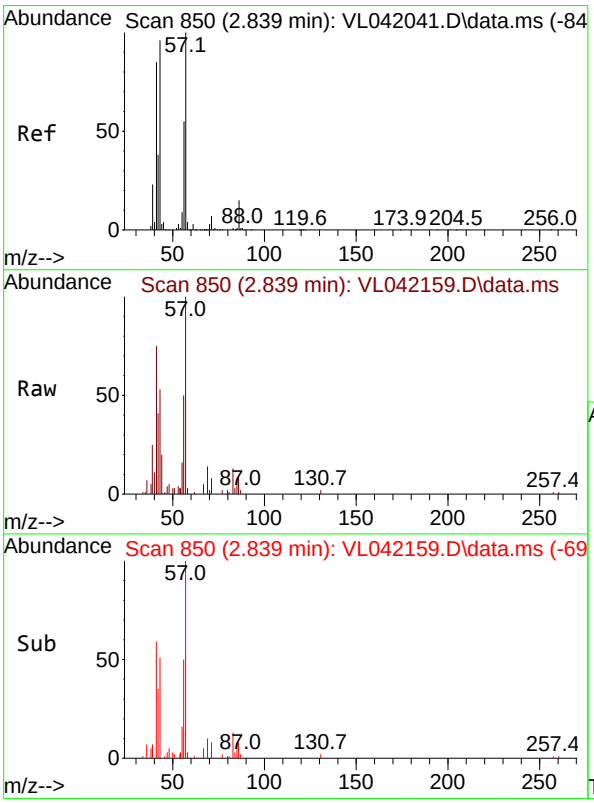
Ion	Ratio	Lower	Upper
84	100		
49	125.5	130.0	195.0#
51	43.2	37.4	56.0
86	45.4	48.6	72.8#



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

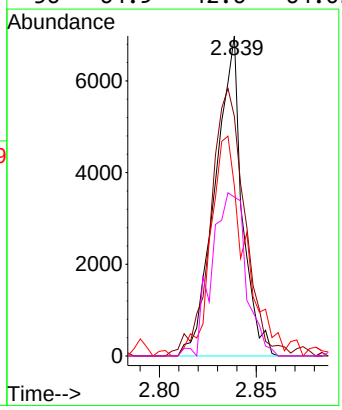
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

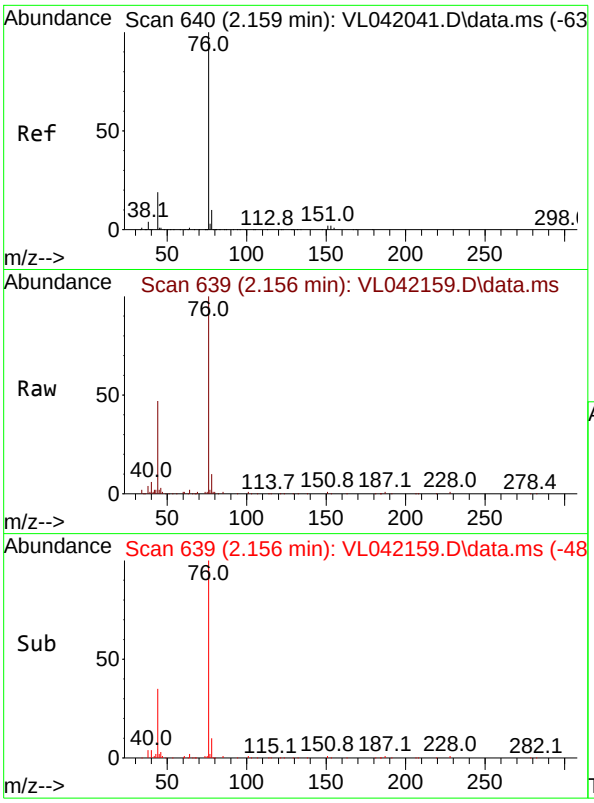


#26
Hexane
Concen: 0.294 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 57 Resp: 6791

Ion	Ratio	Lower	Upper
57	100		
41	108.2	70.6	106.0#
43	92.3	199.4	299.0#
56	64.9	42.6	64.0#

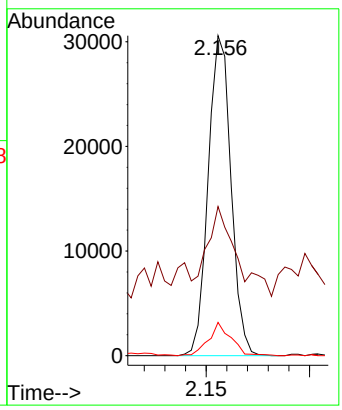




#27
Carbon Disulfide
Concen: 1.503 ppbv
RT: 2.156 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 76 Resp: 2349

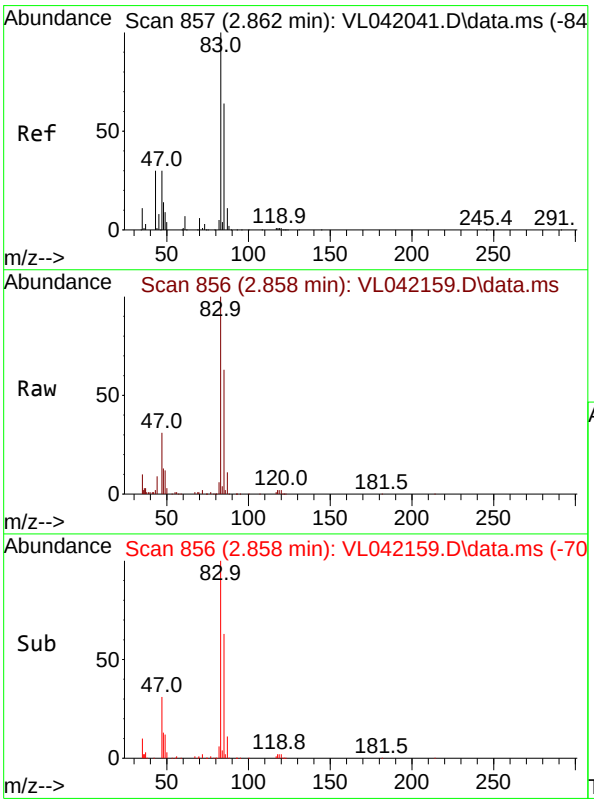
Ion	Ratio	Lower	Upper
76	100		
44	112.9	16.2	24.2
78	10.3	9.4	14.0



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

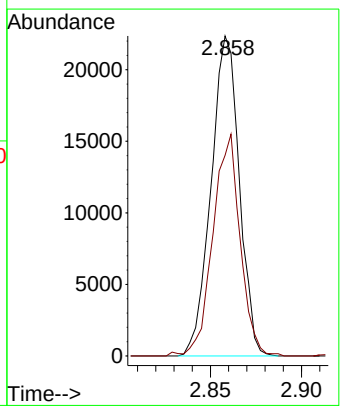
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

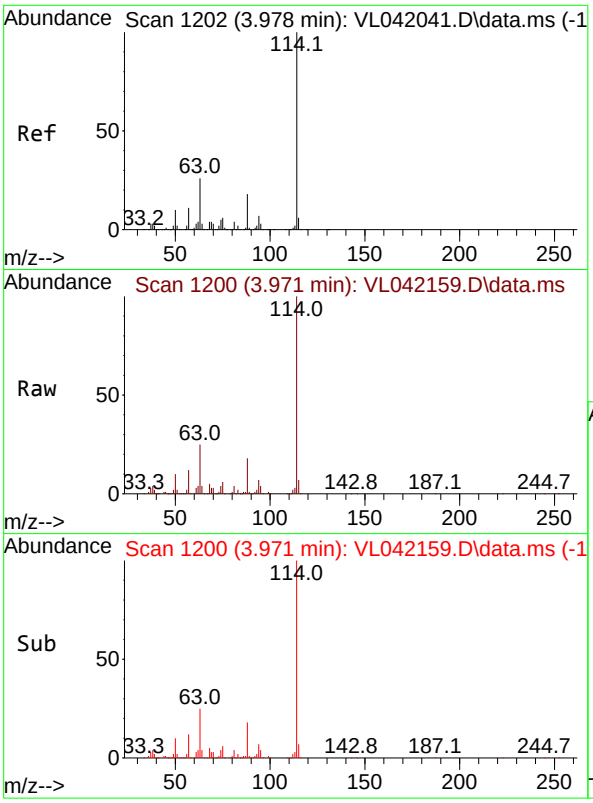


#29
Chloroform
Concen: 0.777 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 83 Resp: 24129

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.2	76.8

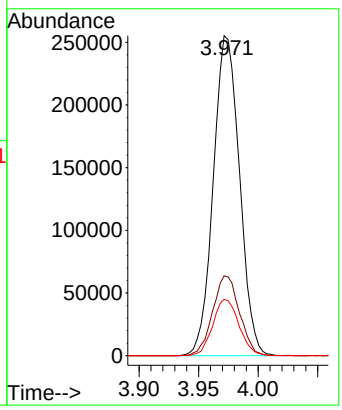




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:114 Resp: 39013

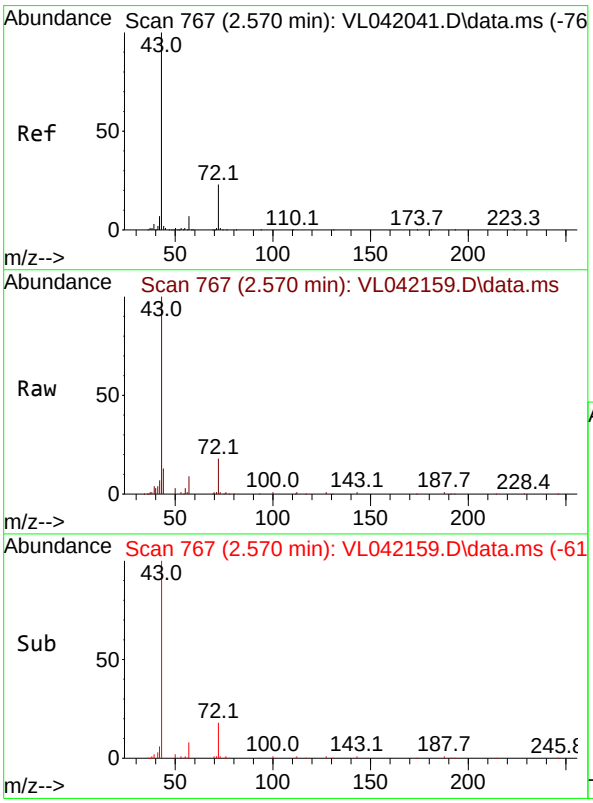
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	17.6	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

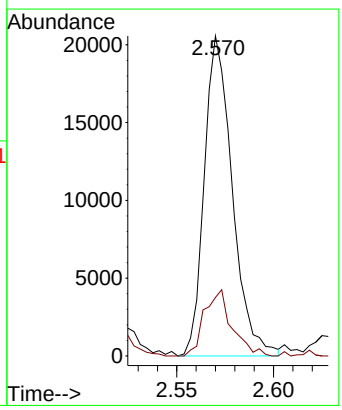
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

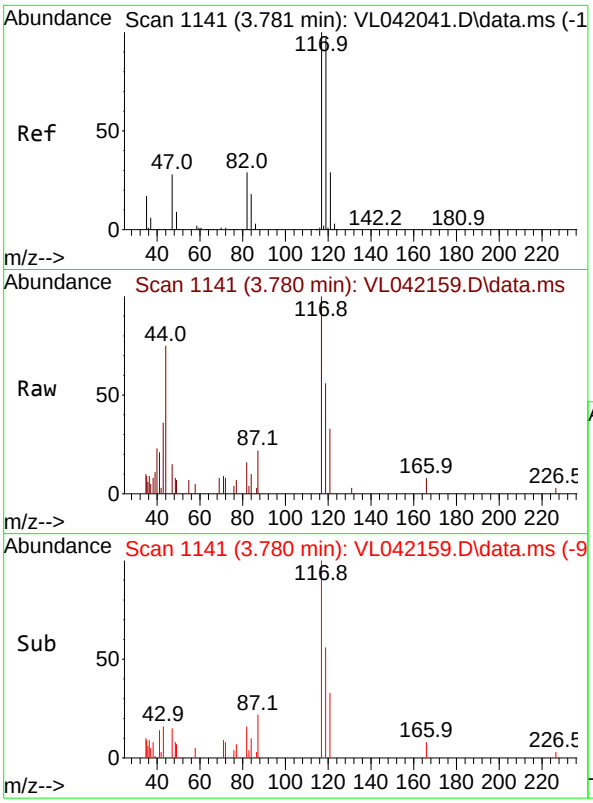


#34
2-Butanone
Concen: 0.682 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 43 Resp: 20731

Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.5	27.7

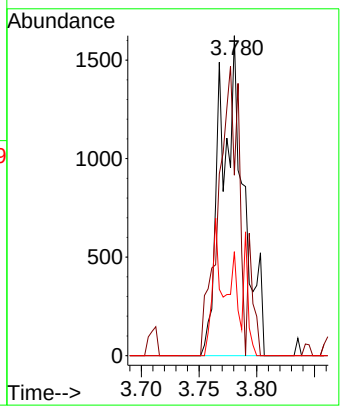




#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 3.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:117 Resp: 222

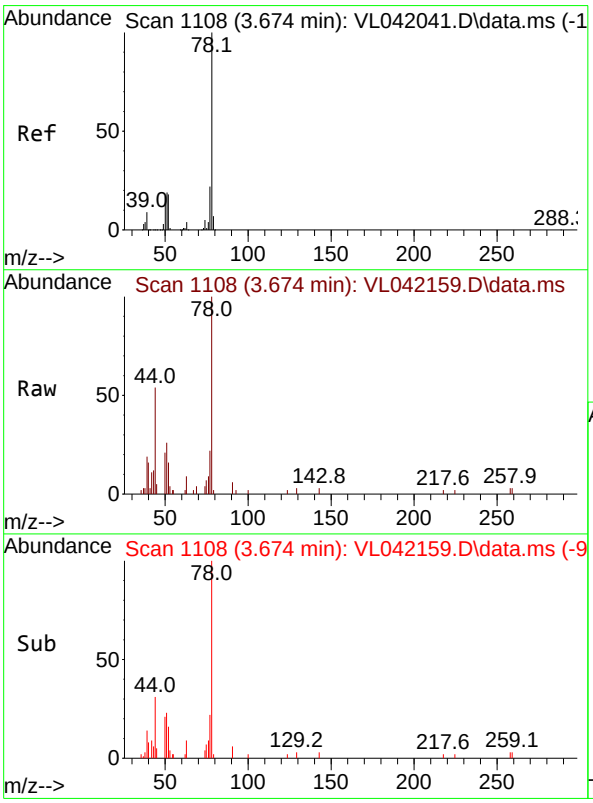
Ion	Ratio	Lower	Upper
117	100		
119	56.4	77.8	116.8#
121	32.5	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

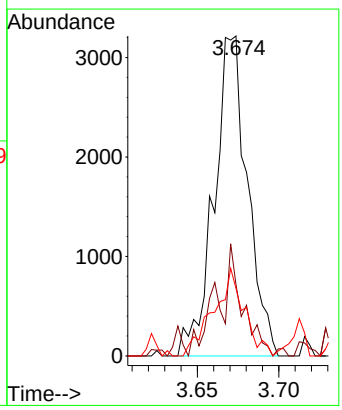
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

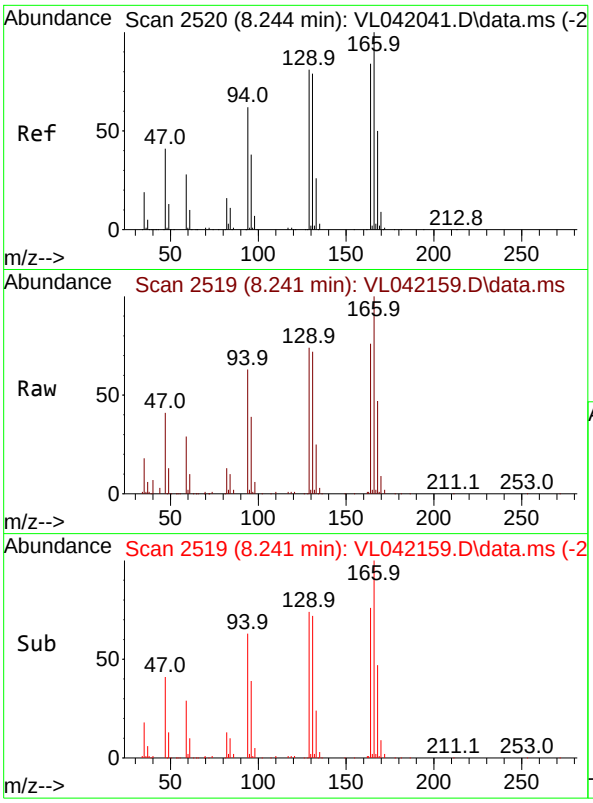


#36
Benzene
Concen: 0.112 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 78 Resp: 4592

Ion	Ratio	Lower	Upper
78	100		
77	20.1	17.7	26.5
50	21.1	13.9	20.9#

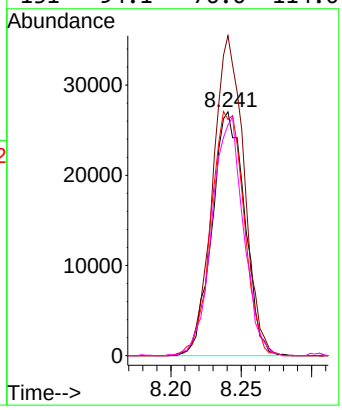




#52
Tetrachloroethene
Concen: 3.122 ppbv
RT: 8.241 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:164 Resp: 4364

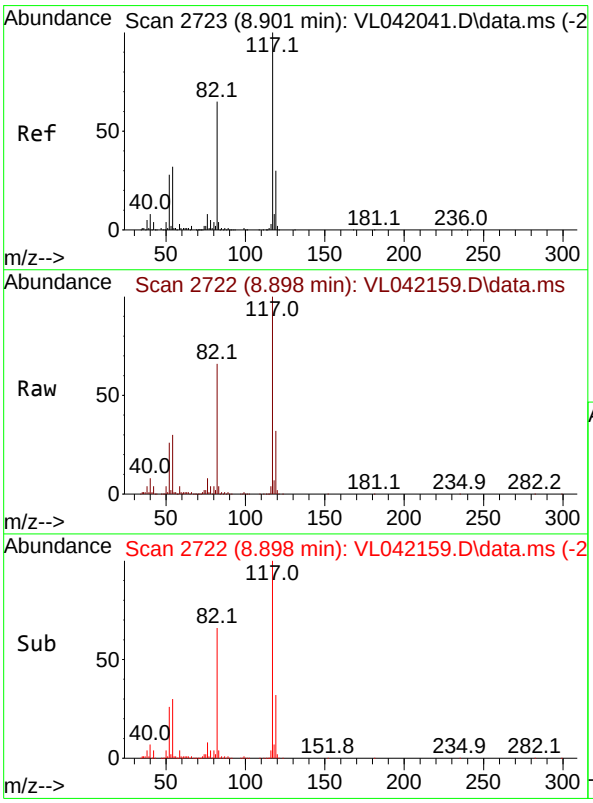
Ion	Ratio	Lower	Upper
164	100		
166	130.6	95.7	143.5
129	96.0	77.1	115.7
131	94.1	76.0	114.0



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

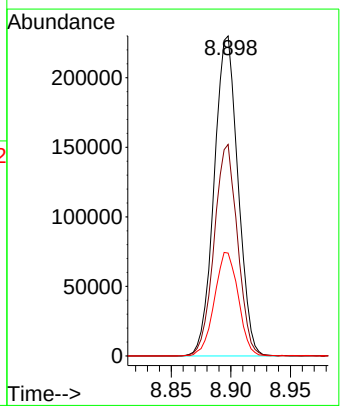
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

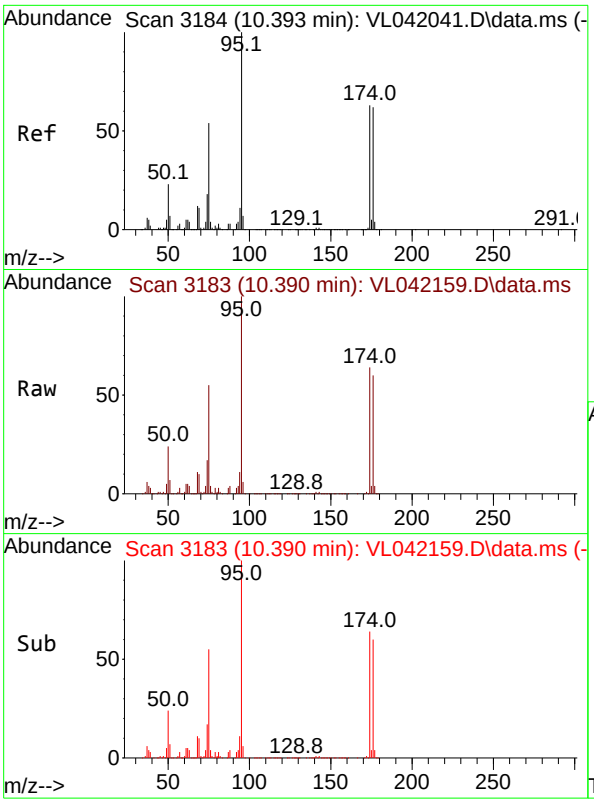


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:117 Resp: 319342

Ion	Ratio	Lower	Upper
117	100		
82	65.0	55.0	82.6
119	32.5	25.9	38.9

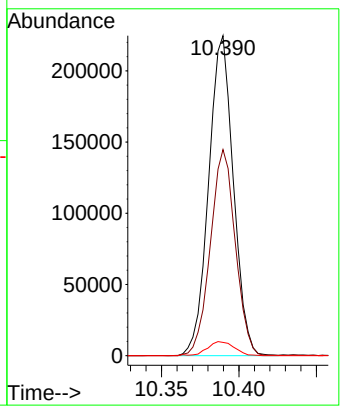




#68
1-Bromo-4-Fluorobenzene
Concen: 10.150 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 95 Resp: 24936

Ion	Ratio	Lower	Upper
95	100		
174	65.4	51.8	77.6
175	4.8	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

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:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-2	SDG No.:	Q1586
Lab Sample ID:	Q1586-03	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
VL042158.D	1		03/17/25 15:19	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.56	2.77		1.04	2.47	ug/m3
74-87-3	Chloromethane	0.29	0.60	J	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	0.30	1.69	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	0.57	1.73		0.58	1.52	ug/m3
142-82-5	Heptane	0.28	1.15	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	15.2	36.1	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	2.40	7.47		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	0.60	2.08		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	1.30	3.83		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	0.14	0.56	J	0.36	1.98	ug/m3
67-66-3	Chloroform	8.50	41.5		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	3.50	11.2		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	0.47	2.53		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	0.32	2.14	J	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	0.20	0.75	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

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-2	SDG No.:	Q1586
Lab Sample ID:	Q1586-03	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
VL042158.D	1		03/17/25 15:19	VL031725

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	13.1	88.8		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	0.34	1.67	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	0.77	4.04		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	0.70	2.47		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	163000		2.8			
540-36-3	1,4-Difluorobenzene	382000		3.975			
3114-55-4	Chlorobenzene-d5	335000		8.898			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-2	SDG No.:	Q1586
Lab Sample ID:	Q1586-03	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
VL042158.D	1		03/17/25 15:19	VL031725

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\VL031725\
Data File : VL042158.D
Acq On : 17 Mar 2025 15:19
Operator : SY/MD
Sample : Q1586-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	163274	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	382025	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	334931	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	264151	10.251	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9601	0.565	ppbv		96
3) Chlorodifluoromethane	1.479	51	8357m	0.352	ppbv		
4) Chloromethane	1.538	50	1815	0.289	ppbv		97
9) Propene	1.489	41	7485	0.774	ppbv		91
10) Heptane	5.001	43	8281m	0.275	ppbv		
11) Trichlorofluoromethane	1.884	101	5041	0.296	ppbv		99
13) Ethanol	1.735	45	403900	658.155	ppbv		92
15) Acetone	1.845	43	218573	15.159	ppbv		96
17) tert-Butyl alcohol	2.059	59	10351	0.574	ppbv		97
19) Isopropyl Alcohol	1.900	45	39394	4.756	ppbv	#	1
20) Methylene Chloride	2.068	84	3246	0.595	ppbv	#	92
26) Hexane	2.835	57	16293	0.698	ppbv	#	38
27) Carbon Disulfide	2.159	76	38336	2.424	ppbv	#	65
29) Chloroform	2.861	83	268454	8.549	ppbv		99
30) Cyclohexane	3.878	84	2611m	0.138	ppbv		
31) cis-1,2-Dichloroethene	2.735	61	3117	0.141	ppbv	#	89
34) 2-Butanone	2.573	43	38525	1.294	ppbv		98
35) Carbon Tetrachloride	3.781	117	2456	0.093	ppbv	#	96
36) Benzene	3.674	78	138238	3.457	ppbv		97
38) Trichloroethene	4.570	130	7745m	0.474	ppbv		
42) Bromodichloromethane	4.506	83	9604m	0.321	ppbv		
52) Tetrachloroethene	8.244	164	179431	13.106	ppbv		97
53) Toluene	6.956	91	9027m	0.202	ppbv		
59) m/p-Xylene	9.552	91	8380m	0.171	ppbv		
62) Isopropylbenzene	10.555	105	45133	0.611	ppbv		98
74) 1,2,4-Trimethylbenzene	11.549	105	20132	0.342	ppbv	#	63
79) Naphthalene	13.526	128	31084	0.770	ppbv	#	93

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

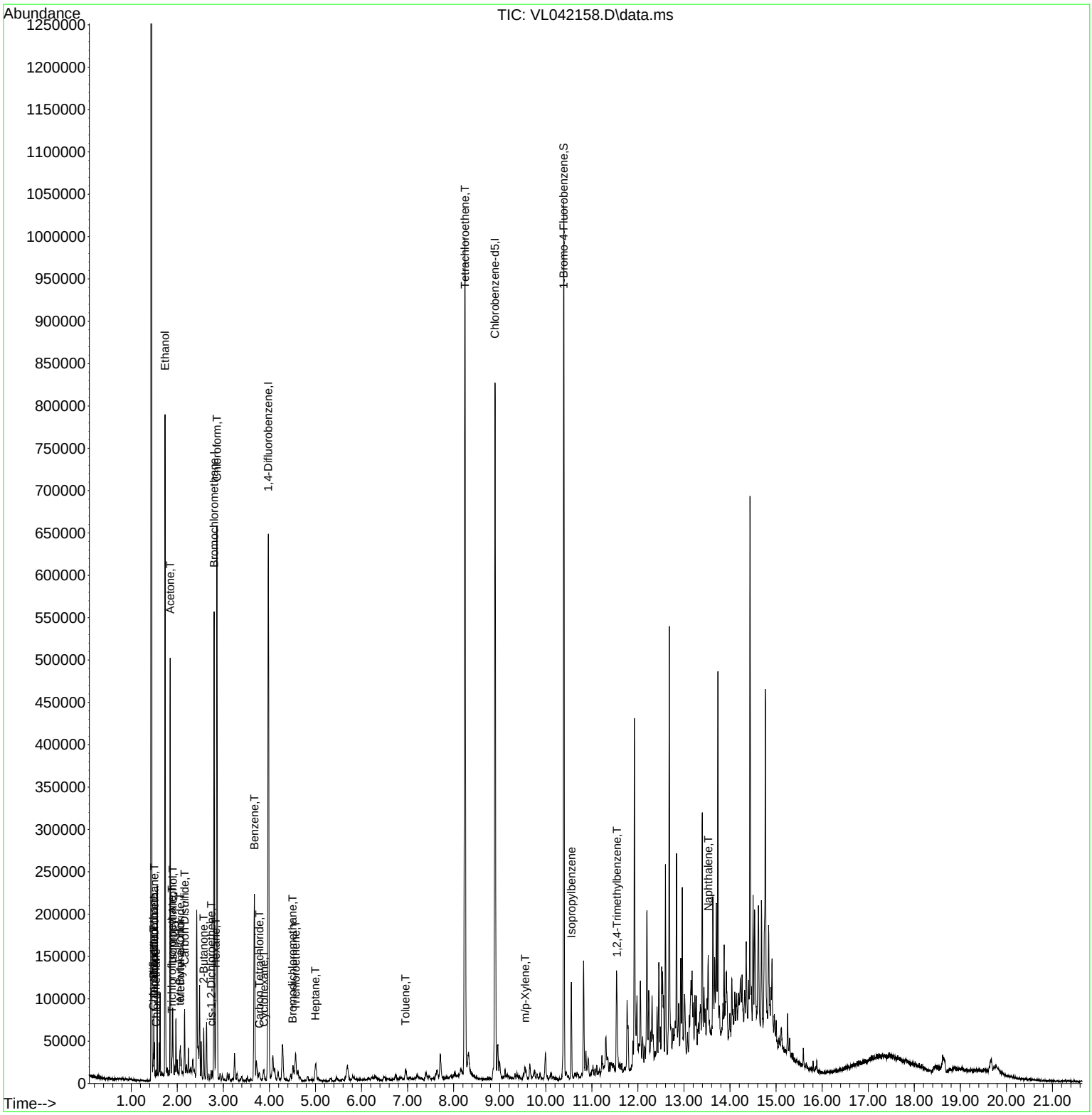
Quantitation Report (QT Reviewed)

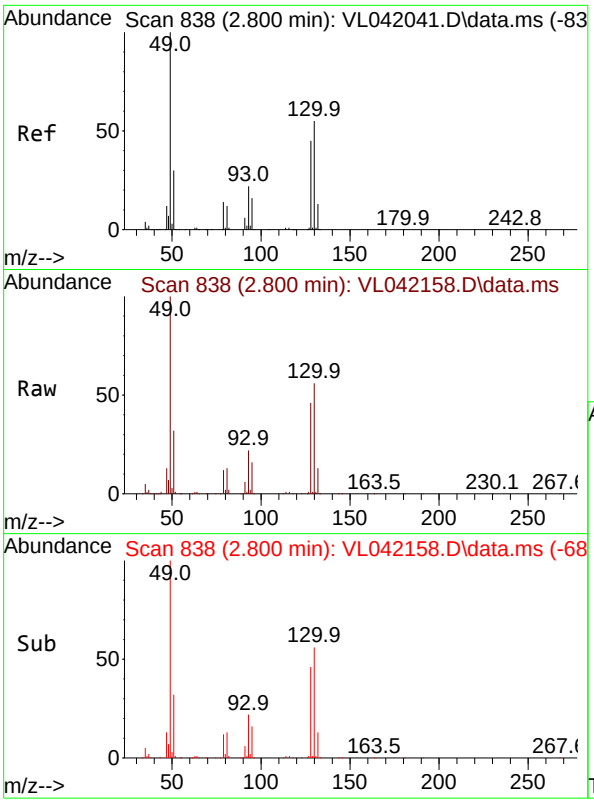
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042158.D
Acq On : 17 Mar 2025 15:19
Operator : SY/MD
Sample : Q1586-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

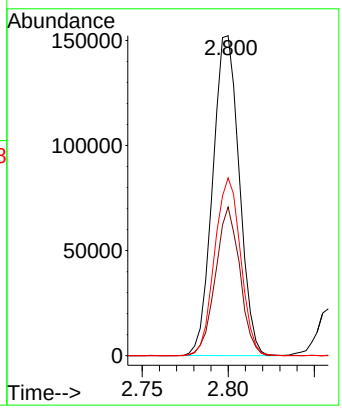




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 49 Resp: 16327

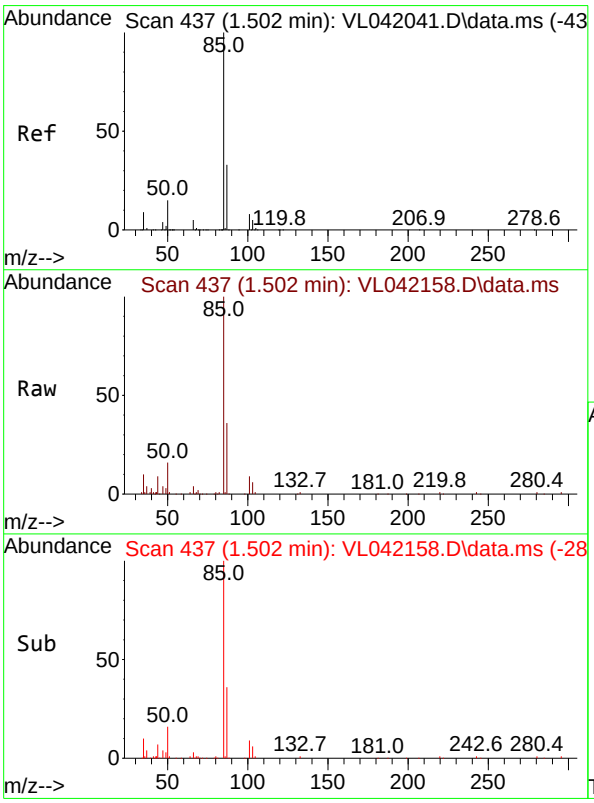
Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.6	64.8
130	54.4	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

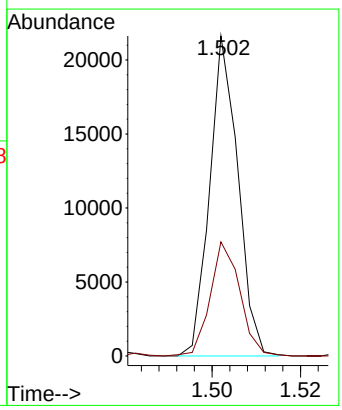
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

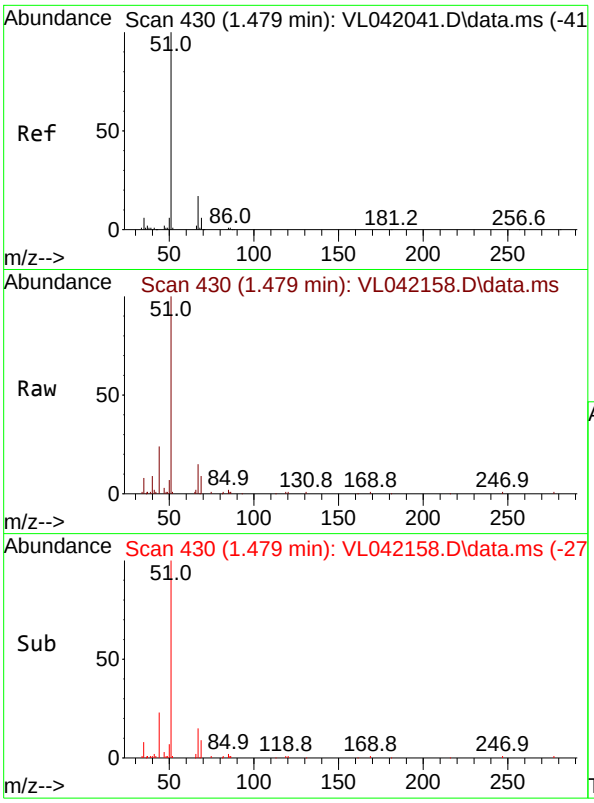


#2
Dichlorodifluoromethane
Concen: 0.565 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 85 Resp: 9601

Ion	Ratio	Lower	Upper
85	100		
87	35.3	26.4	39.6

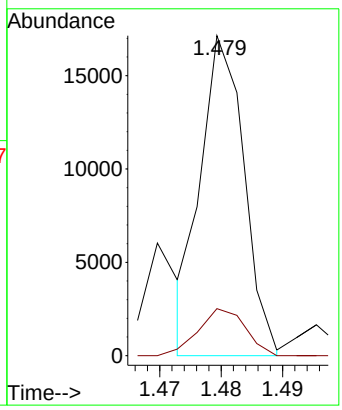




#3
Chlorodifluoromethane
Concen: 0.352 ppbv m
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 51 Resp: 835

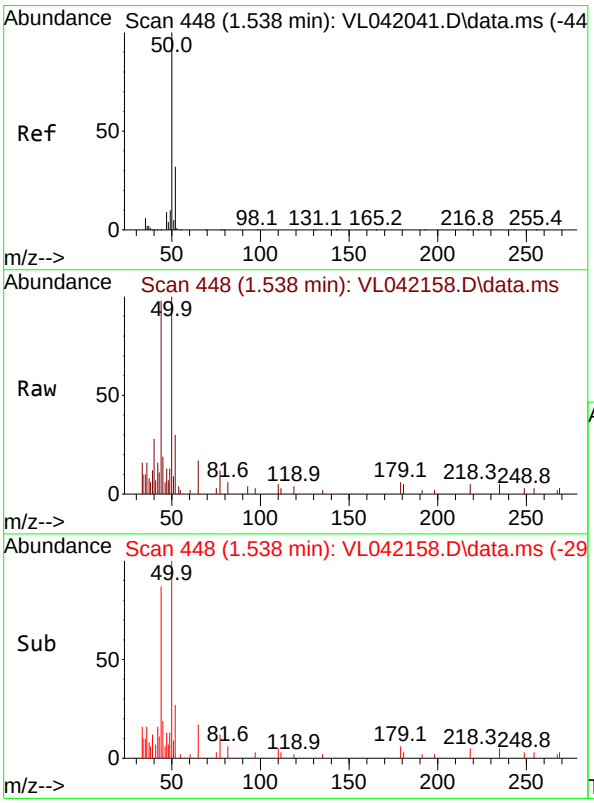
Ion	Ratio	Lower	Upper
51	100		
67	16.8	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

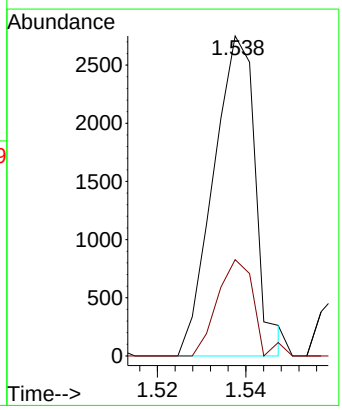
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

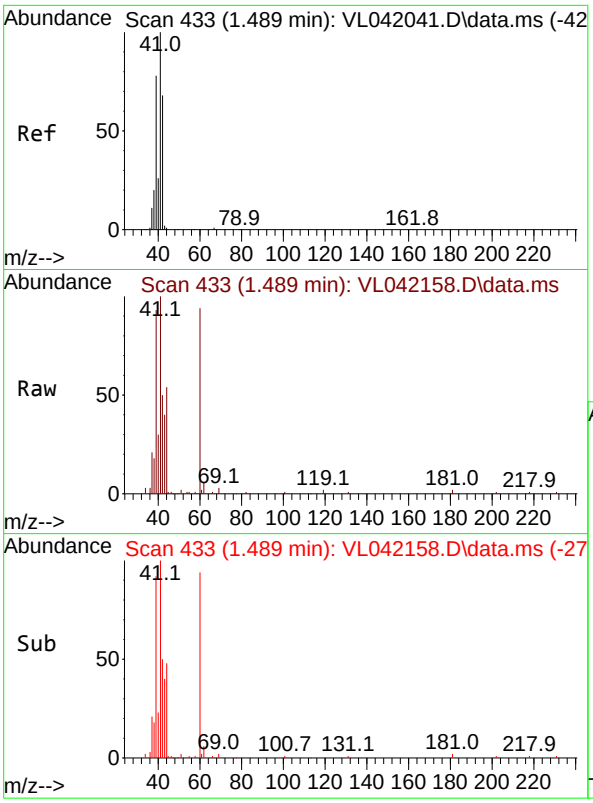


#4
Chloromethane
Concen: 0.289 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 50 Resp: 1815

Ion	Ratio	Lower	Upper
50	100		
52	30.1	25.4	38.0

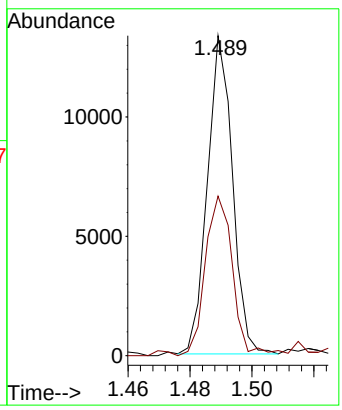




#9
Propene
Concen: 0.774 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 41 Resp: 748

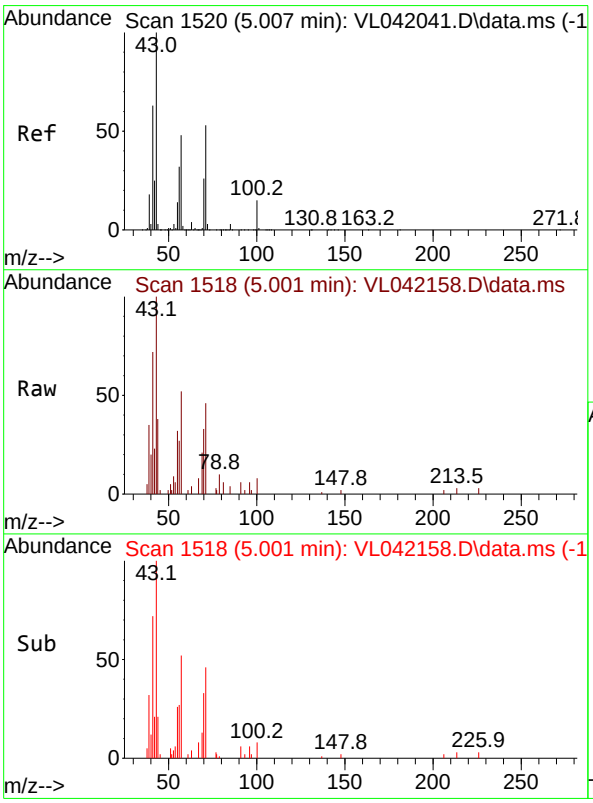
Ion	Ratio	Lower	Upper
41	100		
42	62.5	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

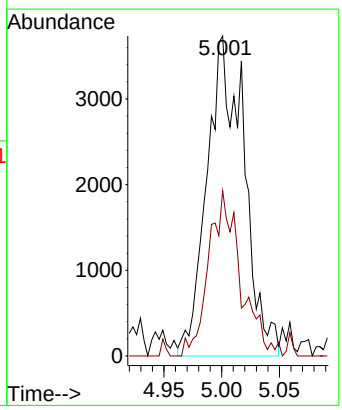
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

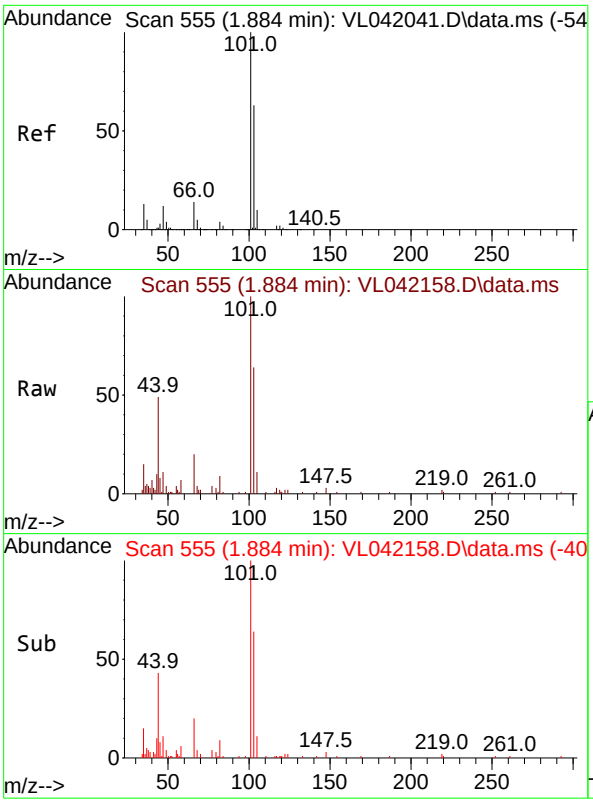


#10
Heptane
Concen: 0.275 ppbv m
RT: 5.001 min Scan# 1518
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 8281

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.0#

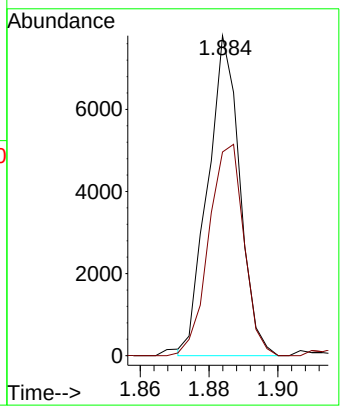




#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:101 Resp: 504

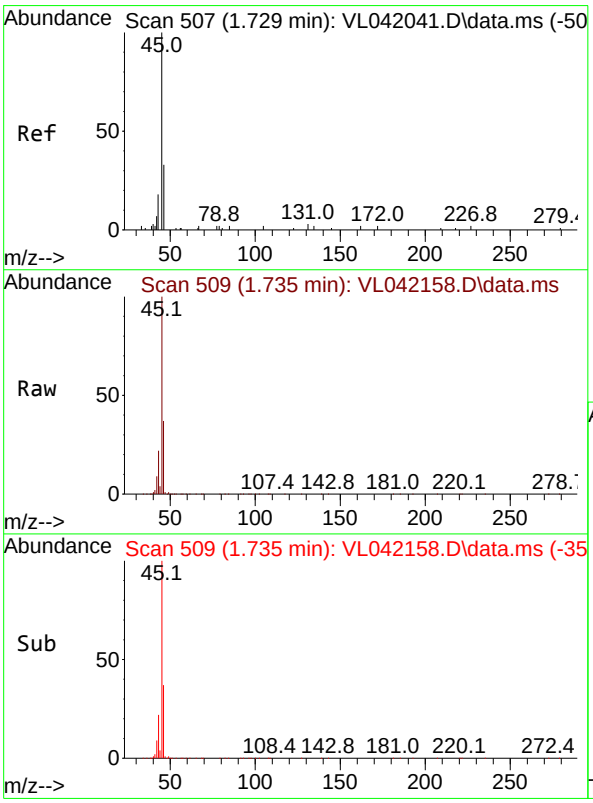
Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.6	75.8



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

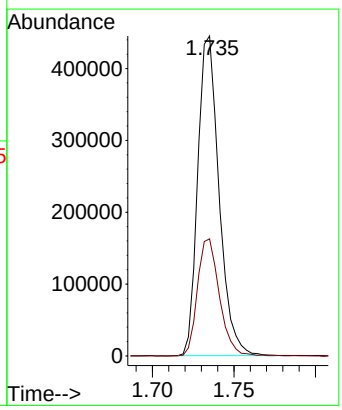
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

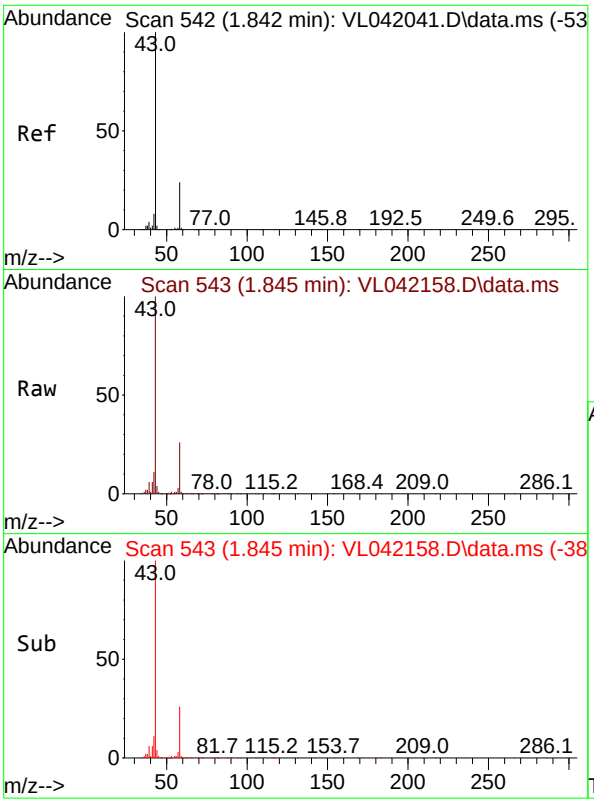


#13
Ethanol
Concen: 658.155 ppbv
RT: 1.735 min Scan# 509
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 45 Resp: 403900

Ion	Ratio	Lower	Upper
45	100		
46	37.8	17.1	68.3

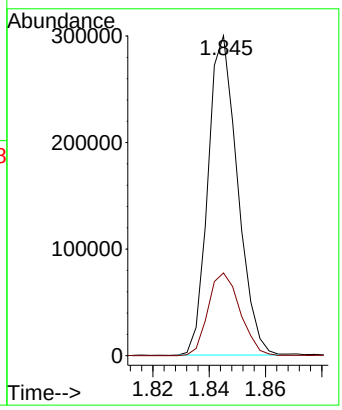




#15
Acetone
Concen: 15.159 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 21857

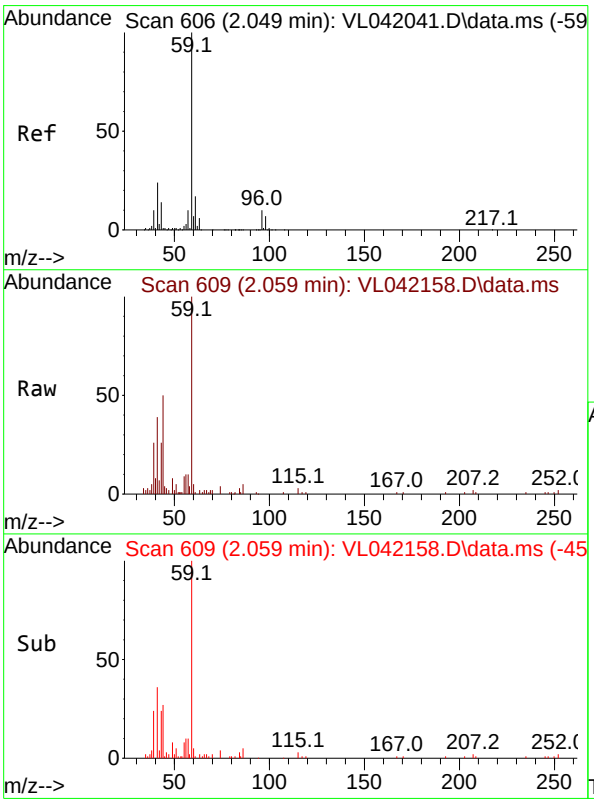
Ion	Ratio	Lower	Upper
43	100		
58	28.1	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

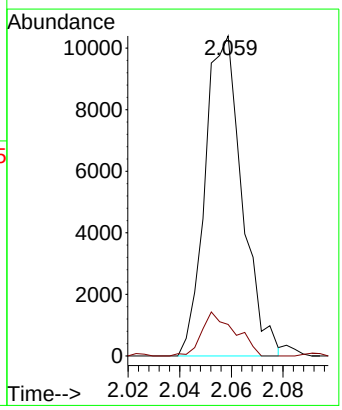
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

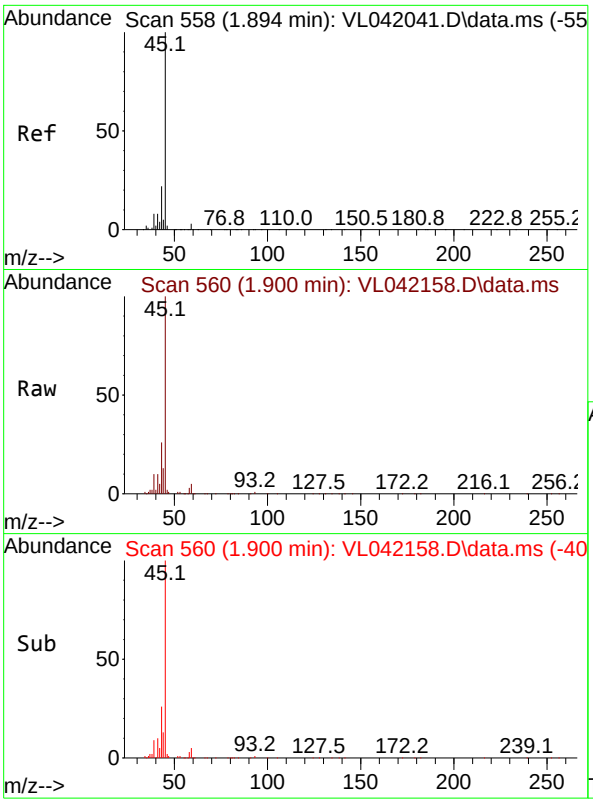


#17
tert-Butyl alcohol
Concen: 0.574 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 59 Resp: 10351

Ion	Ratio	Lower	Upper
59	100		
57	12.6	9.3	13.9

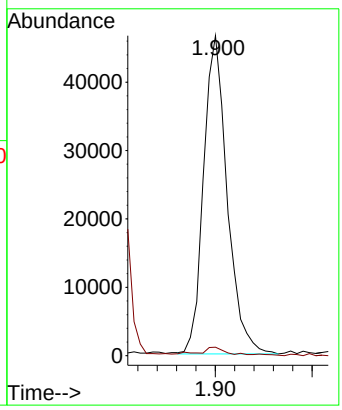




#19
Isopropyl Alcohol
Concen: 4.756 ppbv
RT: 1.900 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 45 Resp: 3939

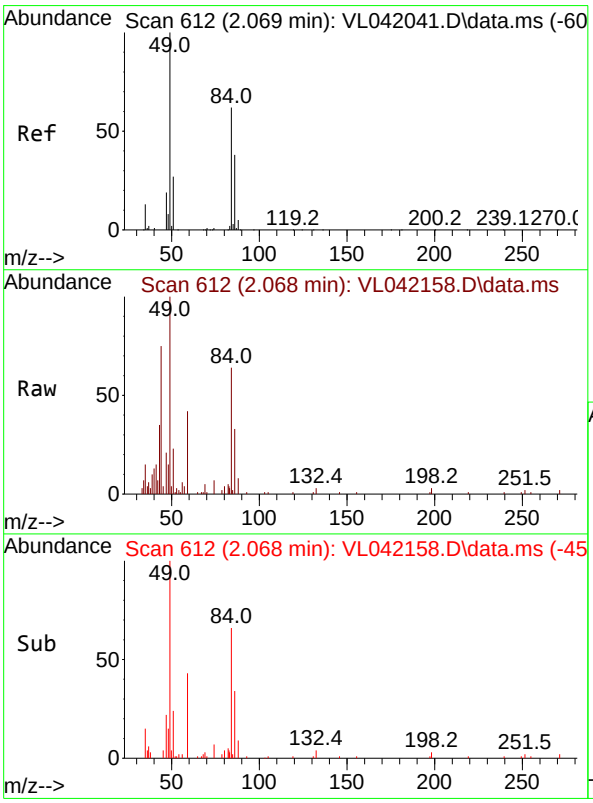
Ion	Ratio	Lower	Upper
45	100		
58	156.0	35.3	52.9#



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

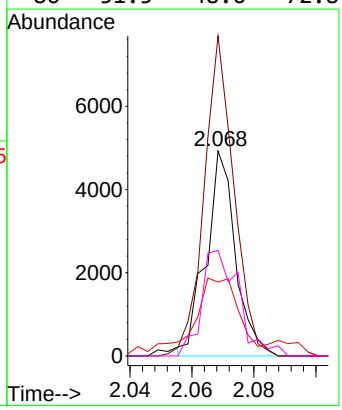
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

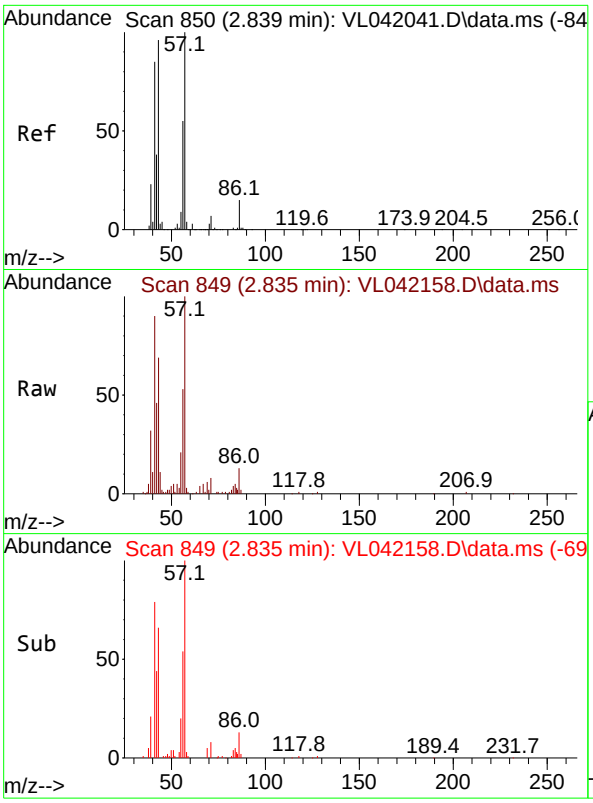


#20
Methylene Chloride
Concen: 0.595 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 84 Resp: 3246

Ion	Ratio	Lower	Upper
84	100		
49	161.7	130.0	195.0
51	29.1	37.4	56.0#
86	51.5	48.6	72.8

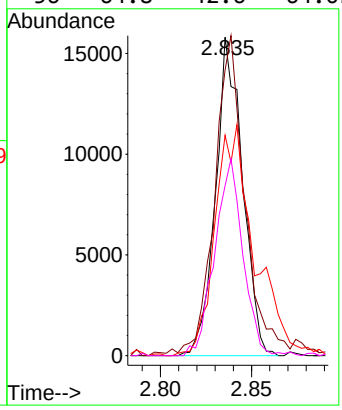




#26
Hexane
Concen: 0.698 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 57 Resp: 1629

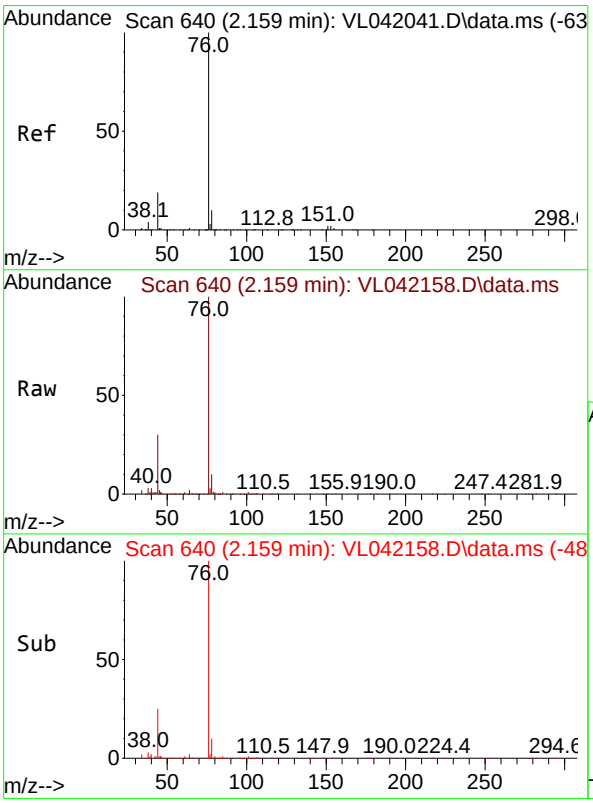
Ion	Ratio	Lower	Upper
57	100		
41	116.7	70.6	106.0#
43	105.7	199.4	299.0#
56	64.8	42.6	64.0#



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

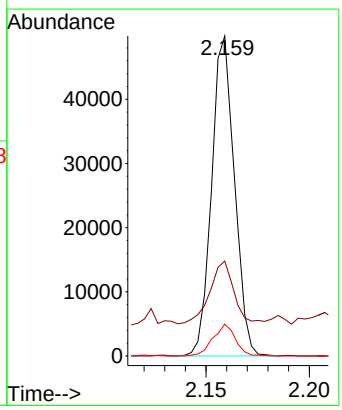
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

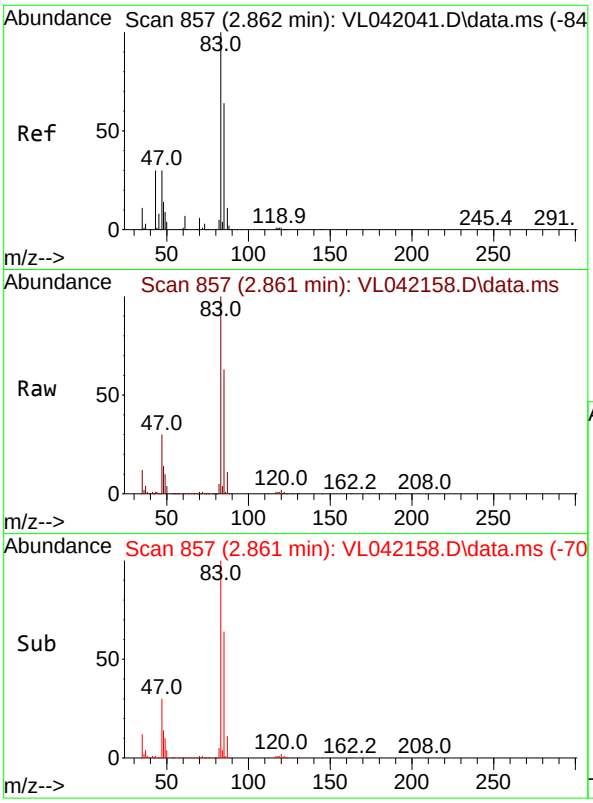


#27
Carbon Disulfide
Concen: 2.424 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 76 Resp: 38336

Ion	Ratio	Lower	Upper
76	100		
44	44.3	16.2	24.2#
78	10.0	9.4	14.0





#29
Chloroform
Concen: 8.549 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

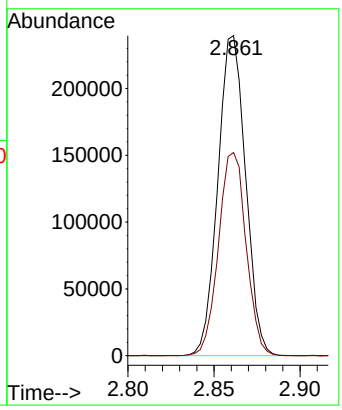
Tgt Ion: 83 Resp: 26845

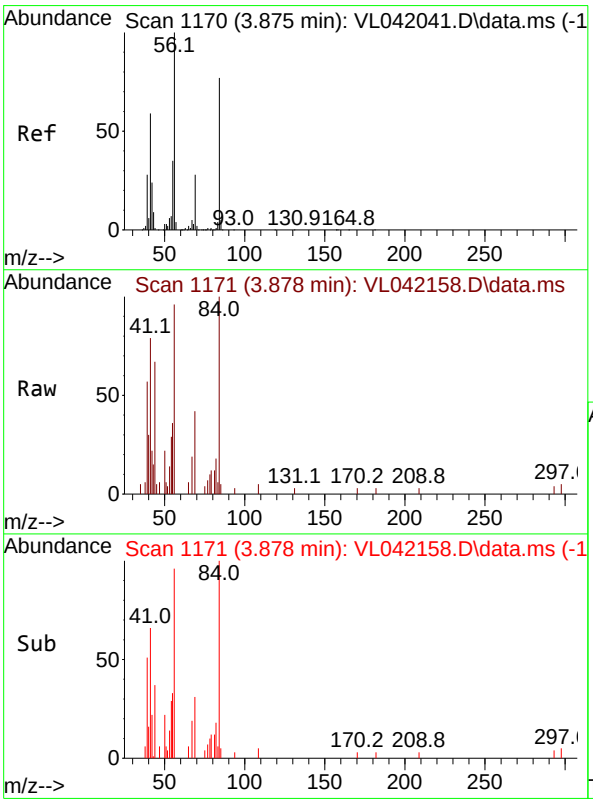
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.2	76.8

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

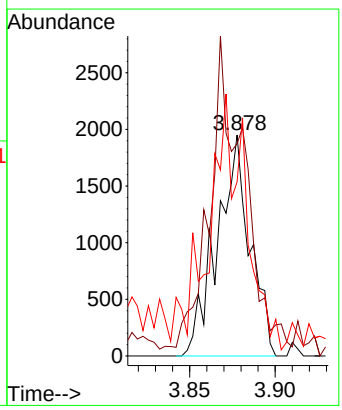


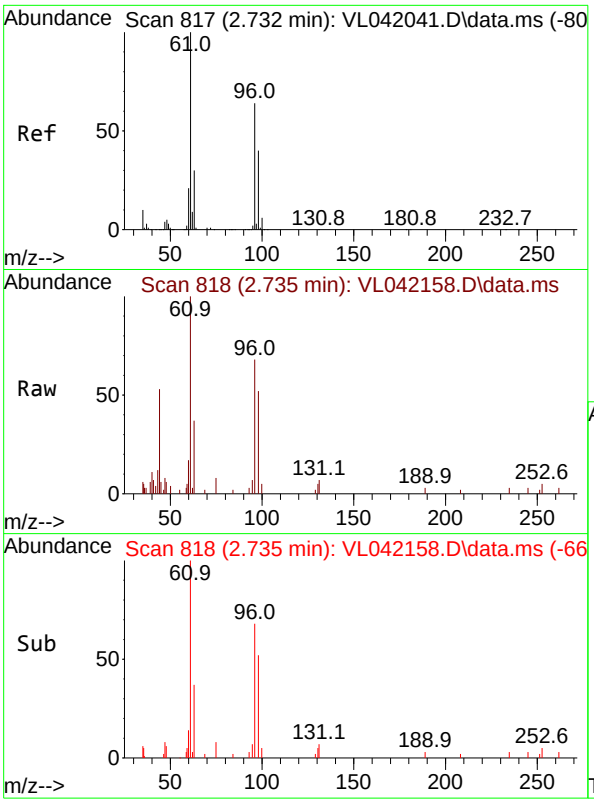


#30
Cyclohexane
Concen: 0.138 ppbv m
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 84 Resp: 2611

Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.5	152.3#
41	0.0	62.6	93.8#

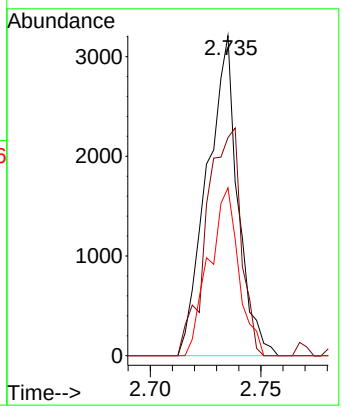




#31
cis-1,2-Dichloroethene
Concen: 0.141 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 61 Resp: 311

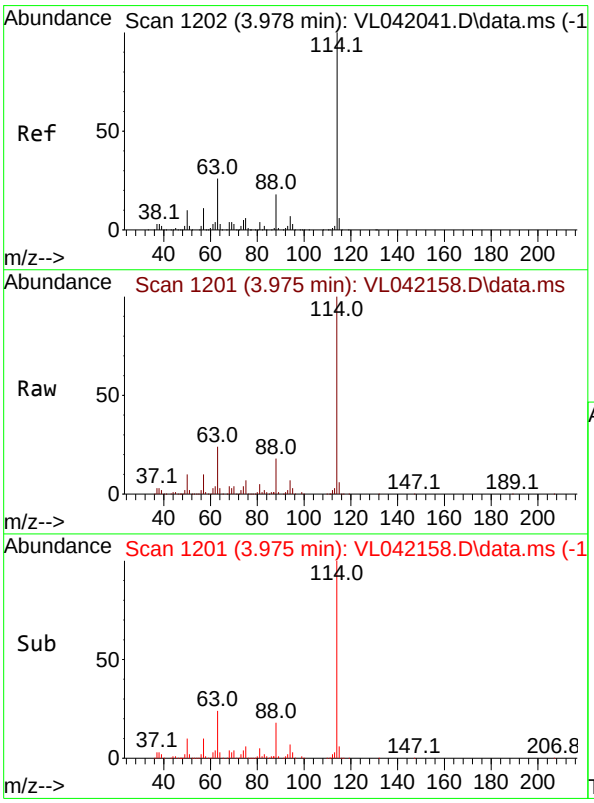
Ion	Ratio	Lower	Upper
61	100		
96	68.2	51.5	77.3
98	52.5	32.0	48.0#



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

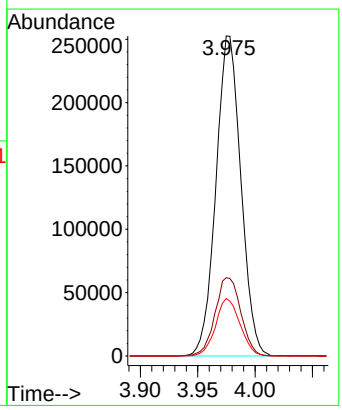
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

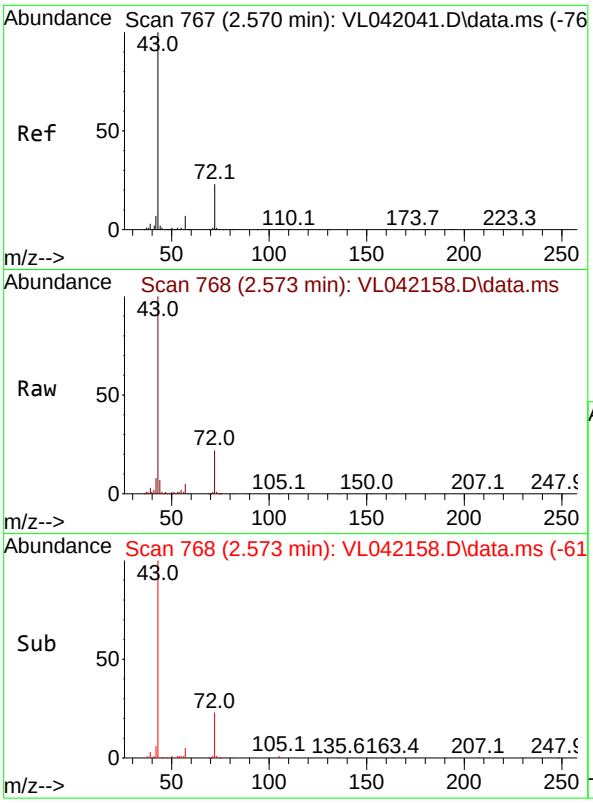


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:114 Resp: 382025

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.6	14.3	21.5





#34
2-Butanone
Concen: 1.294 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

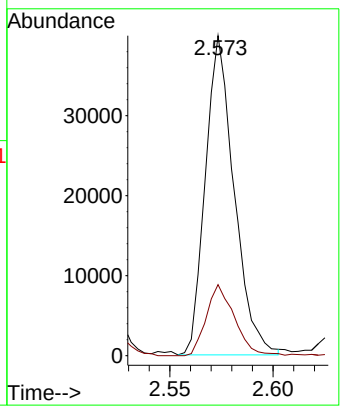
Tgt Ion: 43 Resp: 3852

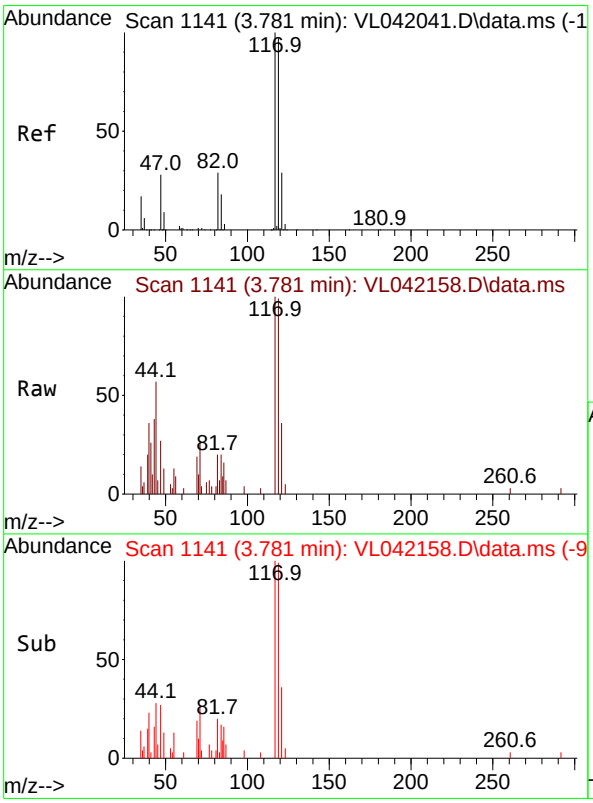
Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.5	27.7

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

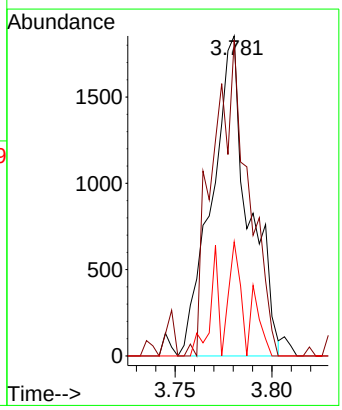


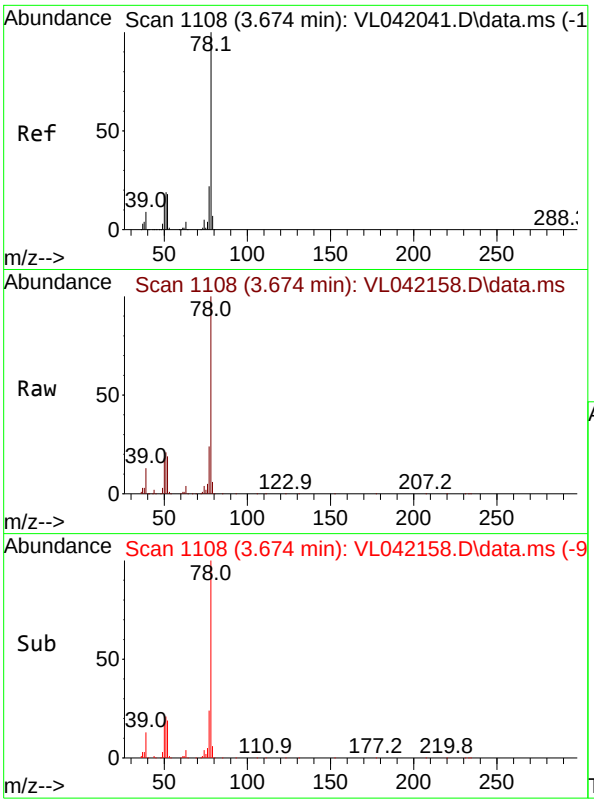


#35
Carbon Tetrachloride
Concen: 0.093 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:117 Resp: 2456

Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.8	116.8
121	35.7	23.4	35.0#

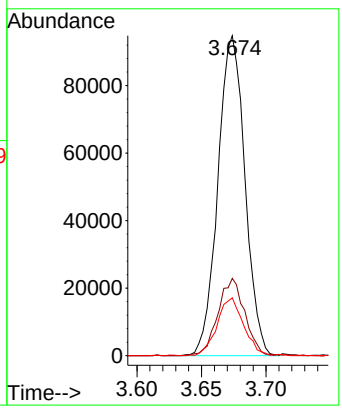




#36
Benzene
Concen: 3.457 ppbv
RT: 3.674 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 78 Resp: 13823

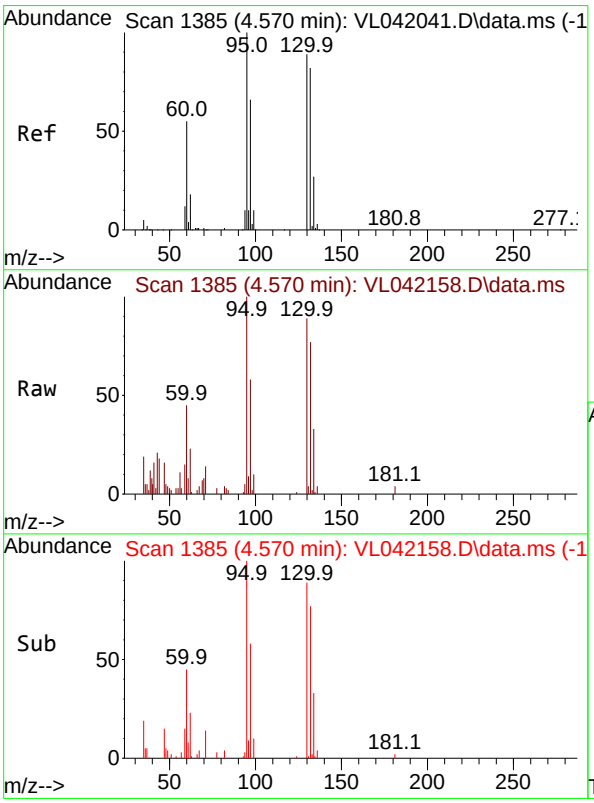
Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.7	26.5
50	18.1	13.9	20.9



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

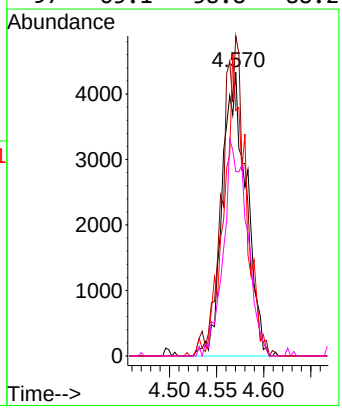
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

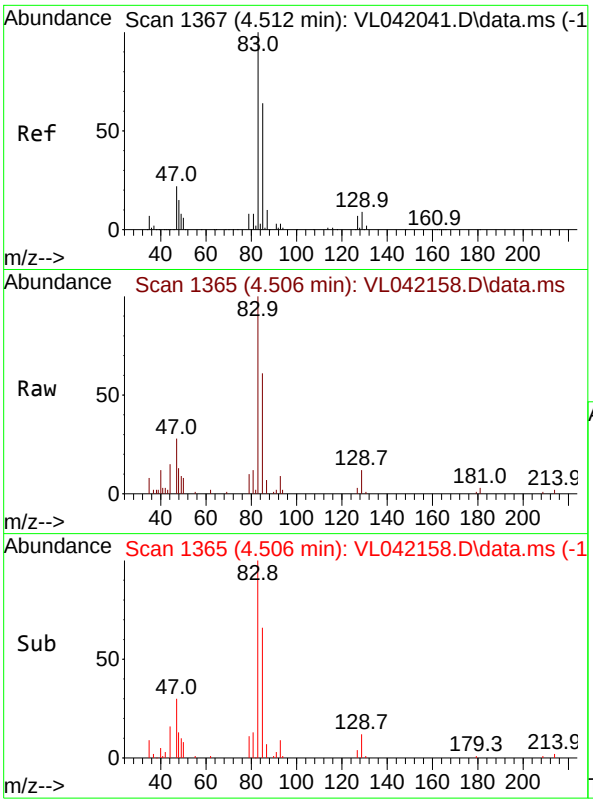


#38
Trichloroethene
Concen: 0.474 ppbv m
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:130 Resp: 7745

Ion	Ratio	Lower	Upper
130	100		
95	112.8	89.5	134.3
132	86.5	73.8	110.6
97	65.1	58.8	88.2

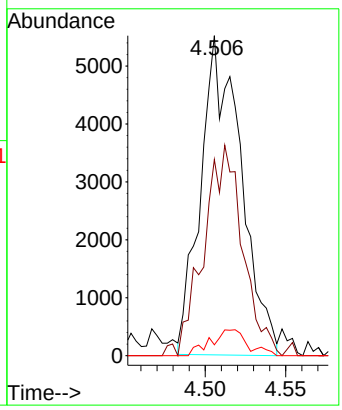




#42
Bromodichloromethane
Concen: 0.321 ppbv m
RT: 4.506 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 83 Resp: 960

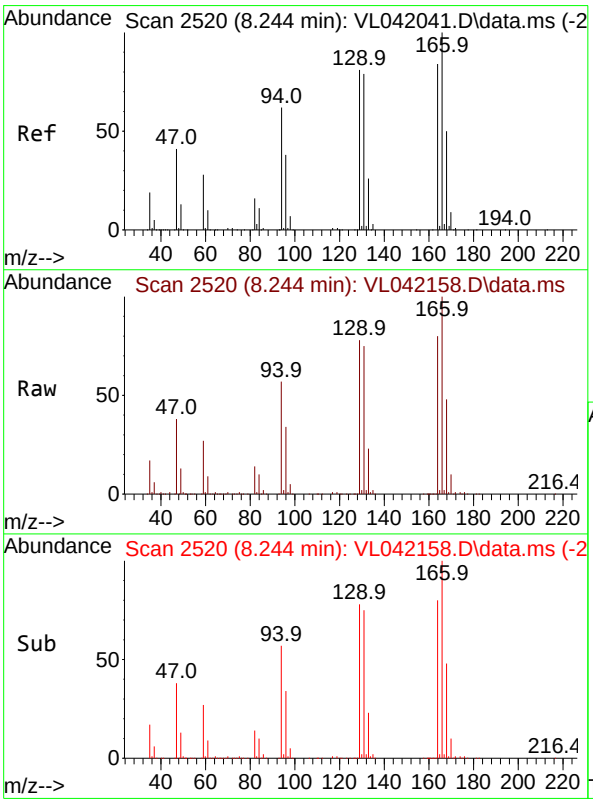
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.4	77.2
127	3.4	5.8	8.6#



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

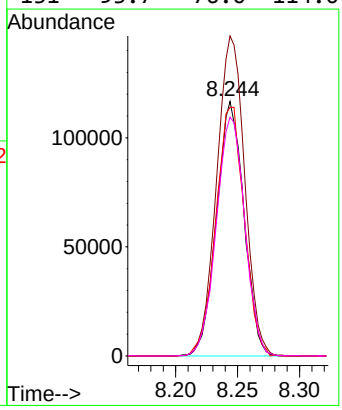
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

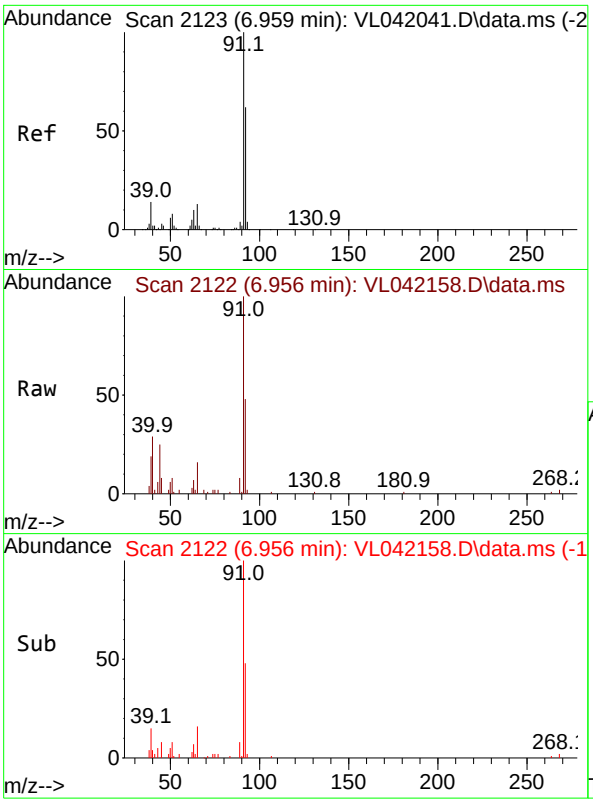


#52
Tetrachloroethene
Concen: 13.106 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:164 Resp: 179431

Ion	Ratio	Lower	Upper
164	100		
166	125.6	95.7	143.5
129	97.7	77.1	115.7
131	93.7	76.0	114.0





#53
Toluene
Concen: 0.202 ppbv m
RT: 6.956 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

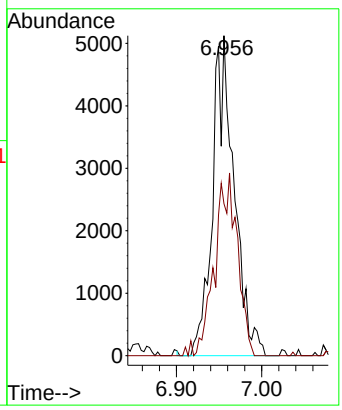
Tgt Ion: 91 Resp: 902

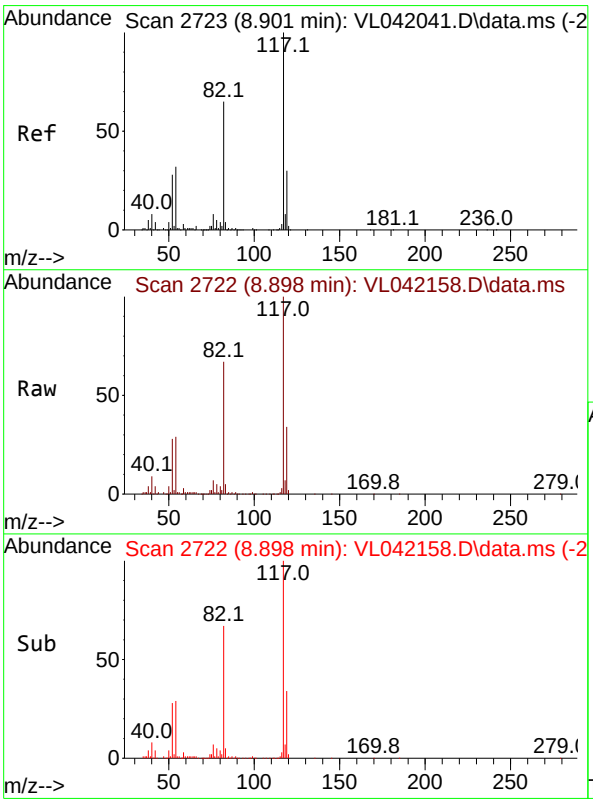
Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.0	73.6#

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

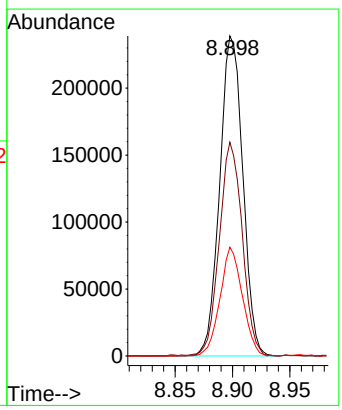


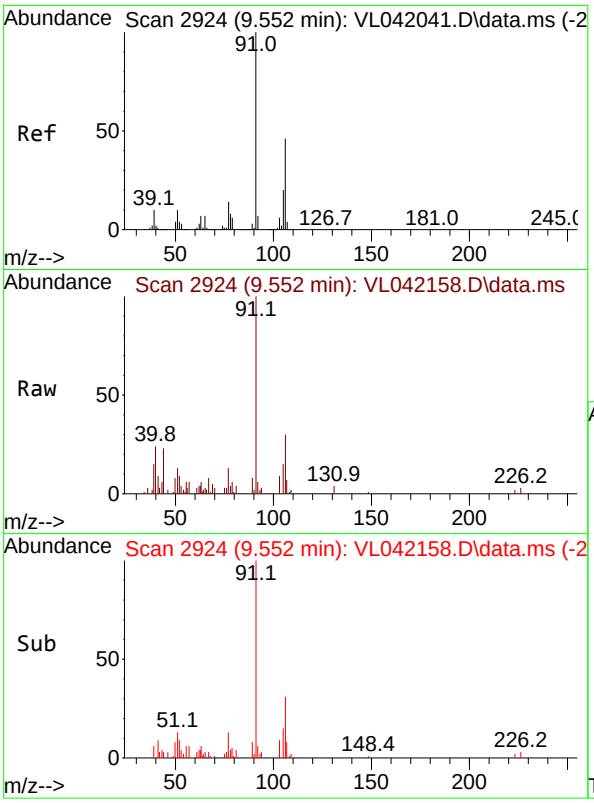


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:117 Resp: 334931

Ion	Ratio	Lower	Upper
117	100		
82	66.5	55.0	82.6
119	33.0	25.9	38.9

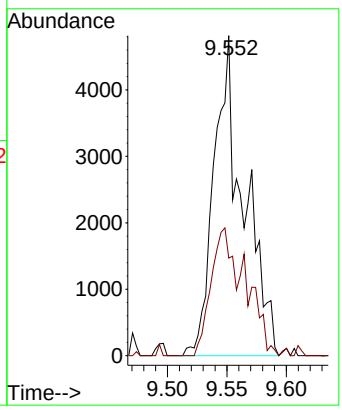




#59
m/p-Xylene
Concen: 0.171 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 91 Resp: 838

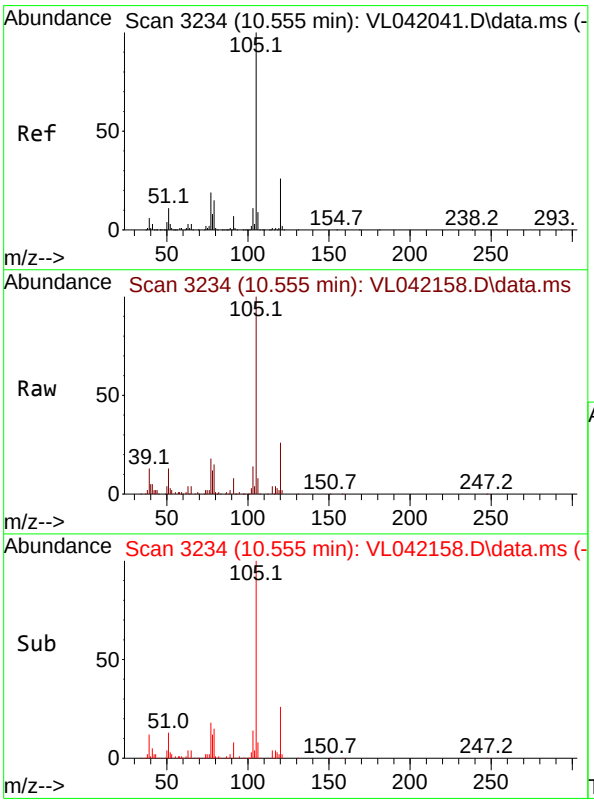
Ion	Ratio	Lower	Upper
91	100		
106	46.4	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

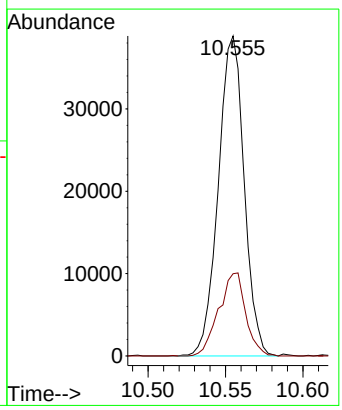
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

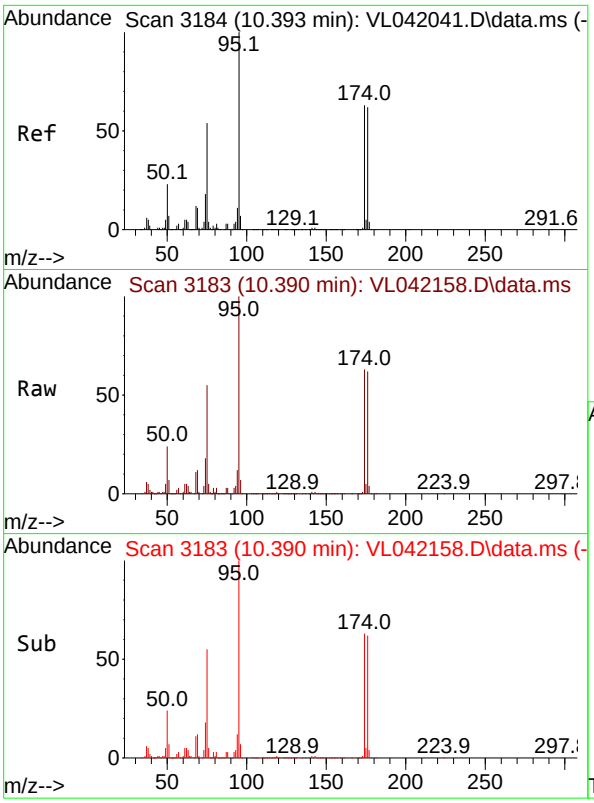


#62
Isopropylbenzene
Concen: 0.611 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:105 Resp: 45133

Ion	Ratio	Lower	Upper
105	100		
120	27.0	20.7	31.1

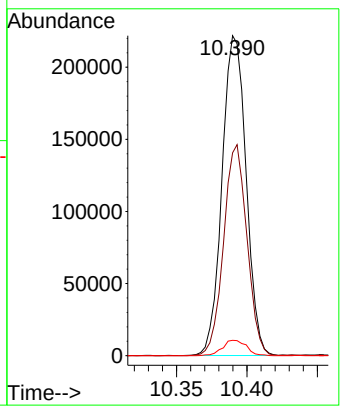




#68
1-Bromo-4-Fluorobenzene
Concen: 10.251 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 95 Resp: 26415

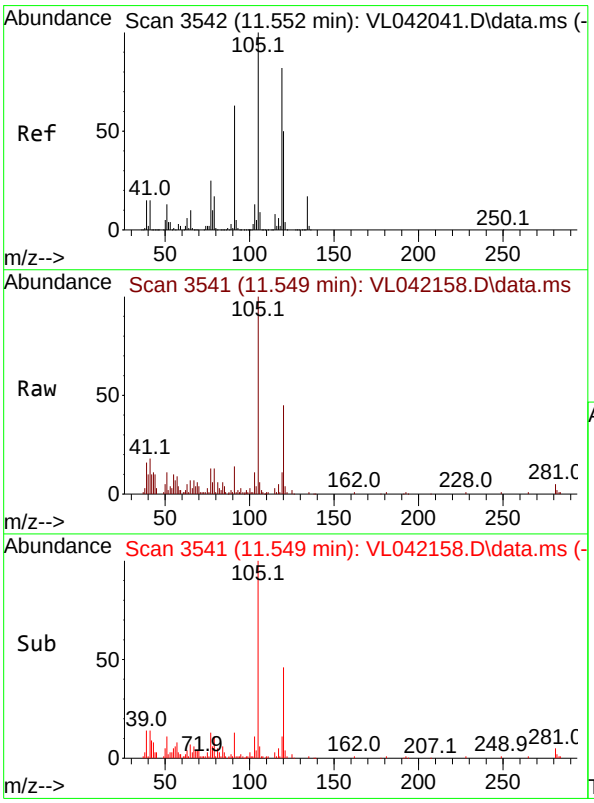
Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.8	77.6
175	4.8	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

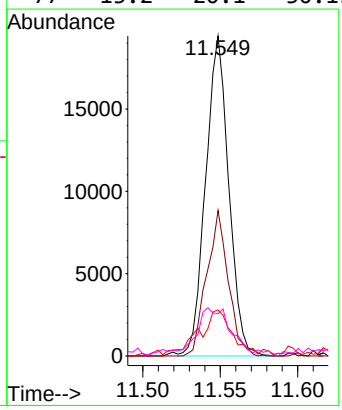
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

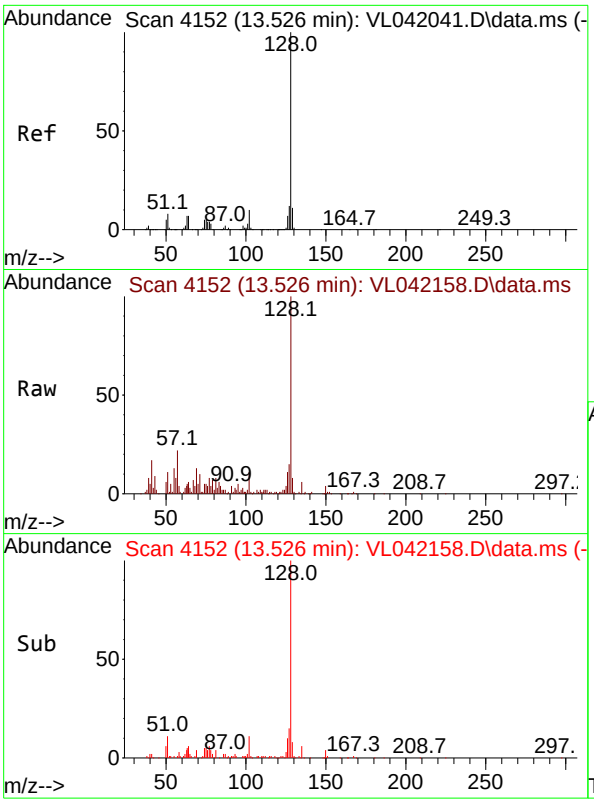


#74
1,2,4-Trimethylbenzene
Concen: 0.342 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:105 Resp: 20132

Ion	Ratio	Lower	Upper
105	100		
120	45.4	40.2	60.2
91	13.5	51.4	77.2#
77	13.2	20.1	30.1#

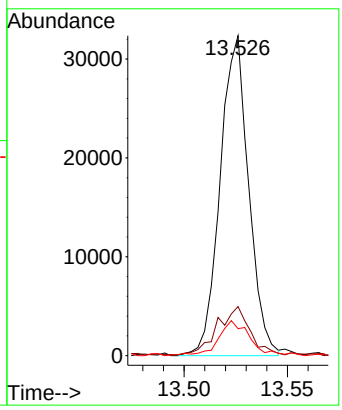




#79
Naphthalene
Concen: 0.770 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:128 Resp: 3108

Ion	Ratio	Lower	Upper
128	100		
127	15.1	9.8	14.6#
129	8.2	8.6	12.8#



Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-2DL	SDG No.:	Q1586
Lab Sample ID:	Q1586-03DL	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
VL042157.D	10		03/17/25 14:41	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.10	10.4	UD	10.4	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.14	0.36	UD	0.36	0.77	ug/m3
74-83-9	Bromomethane	1.40	5.44	UD	5.44	19.4	ug/m3
75-00-3	Chloroethane	1.70	4.49	UD	4.49	13.2	ug/m3
109-99-9	Tetrahydrofuran	1.30	3.83	UD	3.83	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.60	8.99	UD	8.99	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	12.3	UD	12.3	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.88	6.15	UD	6.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.90	5.76	UD	5.76	15.2	ug/m3
142-82-5	Heptane	1.10	4.51	UD	4.51	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.40	5.55	UD	5.55	19.8	ug/m3
67-64-1	Acetone	16.0	38.0	D	5.70	11.9	ug/m3
75-15-0	Carbon Disulfide	1.60	4.98	UD	4.98	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1.20	4.33	UD	4.33	18.0	ug/m3
75-09-2	Methylene Chloride	1.90	6.60	UD	6.60	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.90	7.53	UD	7.53	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	1.60	4.72	JD	3.54	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.11	0.69	UD	0.69	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.89	3.53	UD	3.53	19.8	ug/m3
67-66-3	Chloroform	8.50	41.5	D	4.05	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55	UD	0.55	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.00	4.67	UD	4.67	23.4	ug/m3
71-43-2	Benzene	3.10	9.90	JD	2.78	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.91	3.68	UD	3.68	20.2	ug/m3
79-01-6	Trichloroethene	0.17	0.91	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.10	5.08	UD	5.08	23.1	ug/m3
75-27-4	Bromodichloromethane	0.77	5.16	UD	5.16	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.93	3.81	UD	3.81	20.5	ug/m3
108-88-3	Toluene	1.10	4.15	UD	4.15	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.60	2.72	UD	2.72	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.64	2.91	UD	2.91	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.71	3.87	UD	3.87	27.3	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-2DL	SDG No.:	Q1586
Lab Sample ID:	Q1586-03DL	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
VL042157.D	10		03/17/25 14:41	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.66	5.62	UD	5.62	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.72	5.53	UD	5.53	7.69	ug/m3
127-18-4	Tetrachloroethene	11.7	79.3	D	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.76	3.50	UD	3.50	23.0	ug/m3
100-41-4	Ethyl Benzene	1.20	5.21	UD	5.21	21.7	ug/m3
179601-23-1	m/p-Xylene	2.10	9.12	UD	9.12	43.4	ug/m3
95-47-6	o-Xylene	1.20	5.21	UD	5.21	21.7	ug/m3
100-42-5	Styrene	1.10	4.68	UD	4.68	21.3	ug/m3
75-25-2	Bromoform	0.57	5.89	UD	5.89	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.11	0.76	UD	0.76	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.10	5.70	UD	5.70	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.10	5.41	UD	5.41	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.78	3.83	UD	3.83	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.80	4.81	UD	4.81	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	0.53	3.19	UD	3.19	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	0.75	4.51	UD	4.51	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.85	6.31	UD	6.31	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.85	9.07	UD	9.07	53.3	ug/m3
106-99-0	1,3-Butadiene	1.30	2.88	UD	2.88	11.1	ug/m3
91-20-3	Naphthalene	0.75	3.93	UD	3.93	5.24	ug/m3
622-96-8	4-Ethyltoluene	1.20	5.90	UD	5.90	24.6	ug/m3
110-54-3	Hexane	1.10	3.88	UD	3.88	17.6	ug/m3
107-05-1	Allyl Chloride	1.50	4.70	UD	4.70	15.7	ug/m3
123-91-1	1,4-Dioxane	2.10	7.57	UD	7.57	18.0	ug/m3
80-62-6	Methyl Methacrylate	0.86	3.52	UD	3.52	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			70 (65) - 130 (135)	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	166000		2.797			
540-36-3	1,4-Difluorobenzene	386000		3.975			
3114-55-4	Chlorobenzene-d5	319000		8.895			

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	03/14/25
Project:	Yellow Cab - TO-15	Date Received:	03/14/25
Client Sample ID:	557-SG-2DL	SDG No.:	Q1586
Lab Sample ID:	Q1586-03DL	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
VL042157.D	10		03/17/25 14:41	VL031725

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\VL031725\
Data File : VL042157.D
Acq On : 17 Mar 2025 14:41
Operator : SY/MD
Sample : Q1586-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Quant Time: Mar 18 01:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

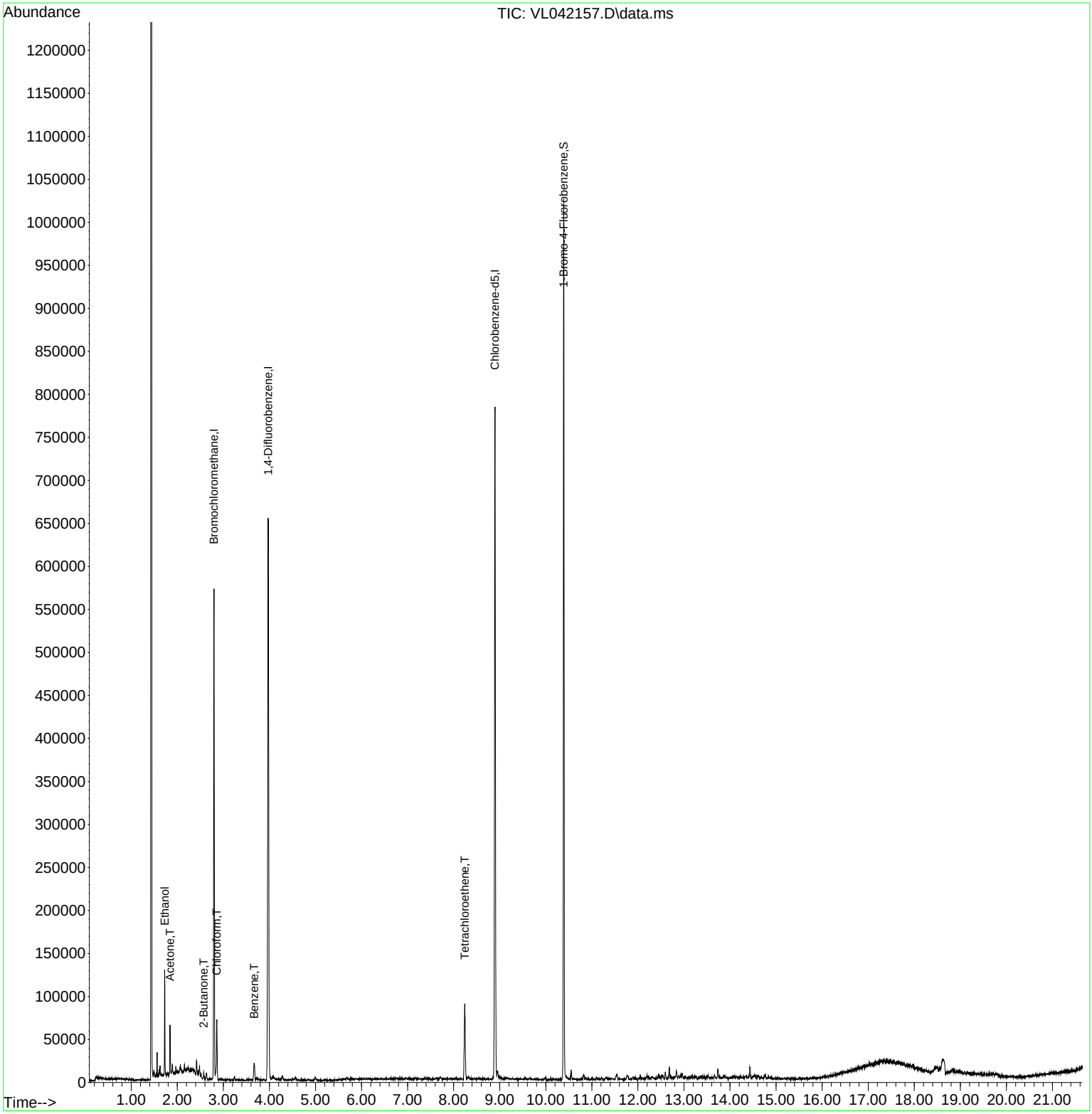
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	165500	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	386181	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	319433	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	241867	9.842	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%			
Target Compounds						Qvalue
13) Ethanol	1.725	45	42027	67.562	ppbv	90
15) Acetone	1.842	43	23433	1.603	ppbv	95
29) Chloroform	2.858	83	26968	0.847	ppbv	98
34) 2-Butanone	2.573	43	4769	0.159	ppbv	98
36) Benzene	3.671	78	12664	0.313	ppbv	98
52) Tetrachloroethene	8.241	164	16168	1.168	ppbv	89

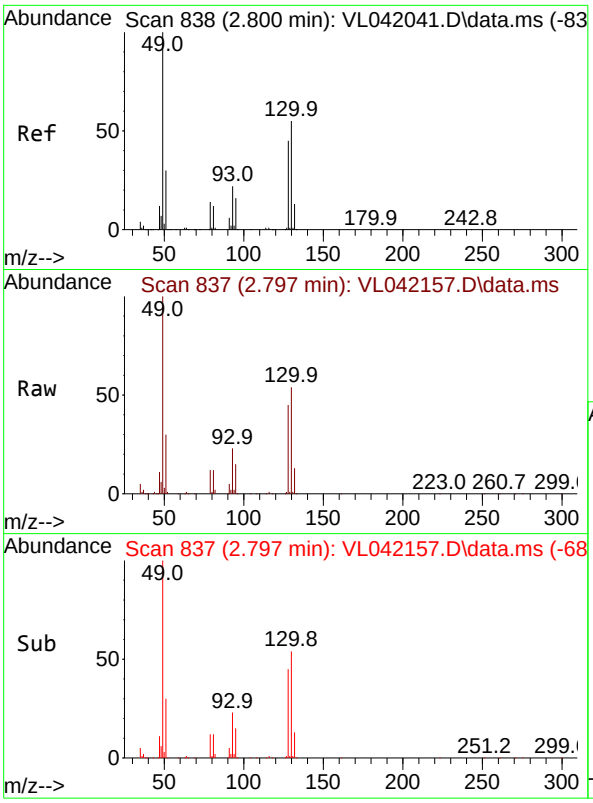
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042157.D
Acq On : 17 Mar 2025 14:41
Operator : SY/MD
Sample : Q1586-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Quant Time: Mar 18 01:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



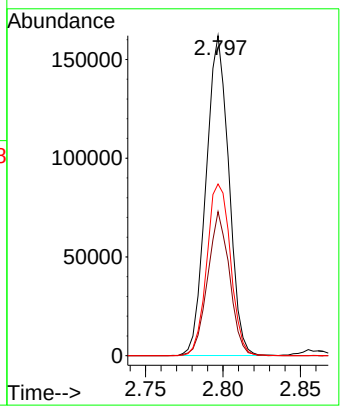


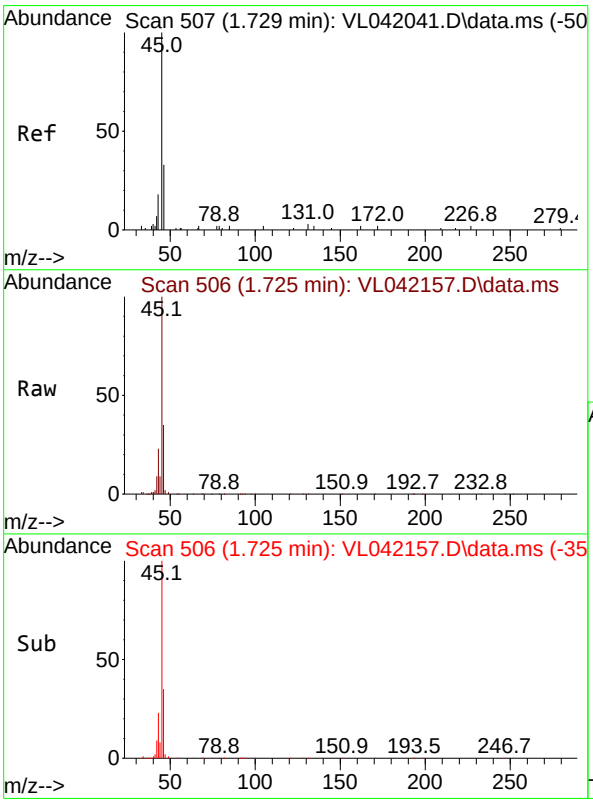
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Tgt Ion: 49 Resp: 165500

Ion	Ratio	Lower	Upper
49	100		
128	43.2	21.6	64.8
130	55.9	27.8	83.4

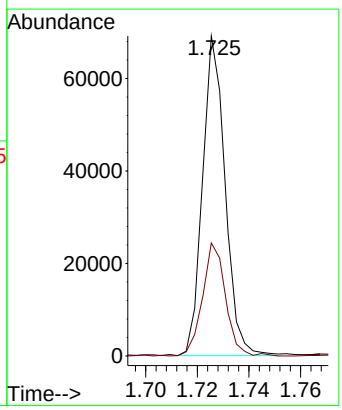


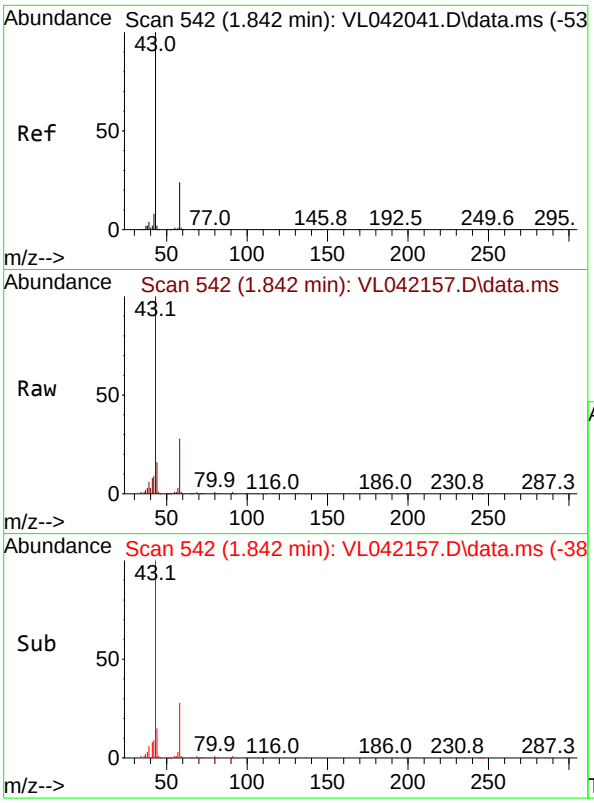


#13
Ethanol
Concen: 67.562 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 45 Resp: 42027

Ion	Ratio	Lower	Upper
45	100		
46	36.1	17.1	68.3



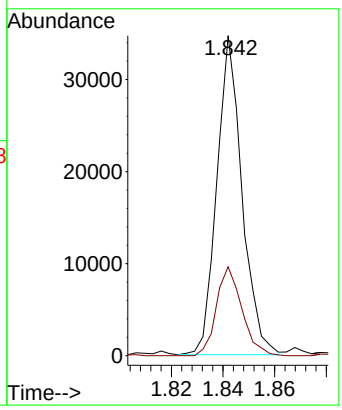


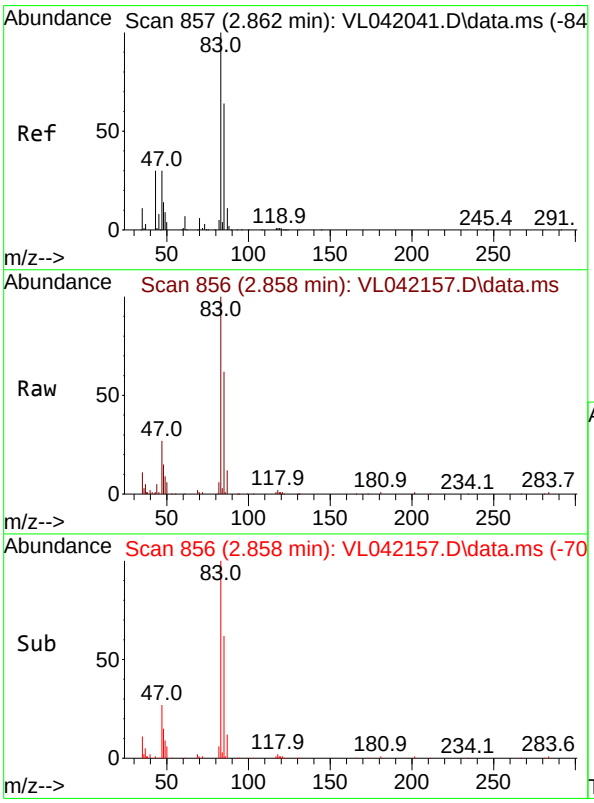
#15
Acetone
Concen: 1.603 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Tgt Ion: 43 Resp: 23433

Ion	Ratio	Lower	Upper
43	100		
58	28.4	20.7	31.1

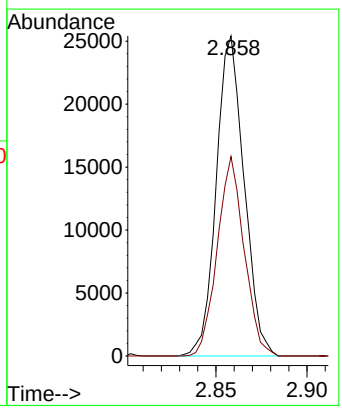


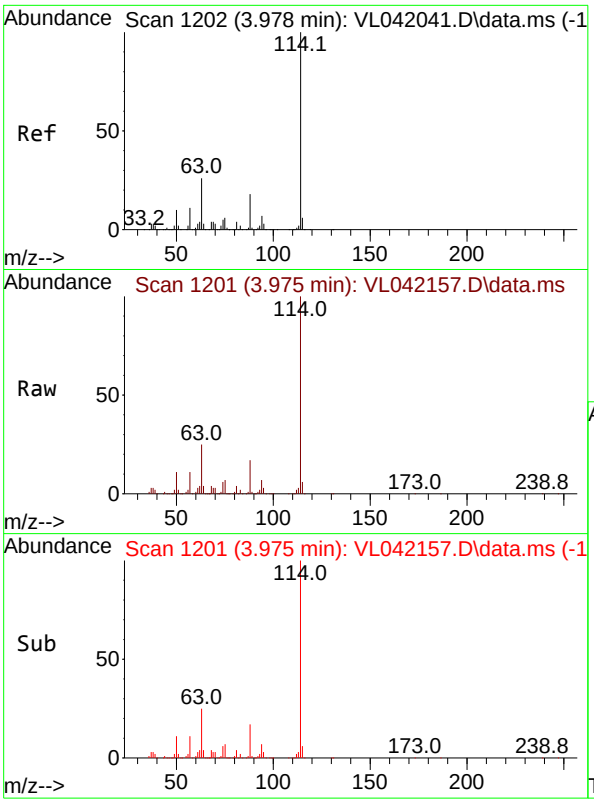


#29
Chloroform
Concen: 0.847 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 83 Resp: 26968

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.2	76.8



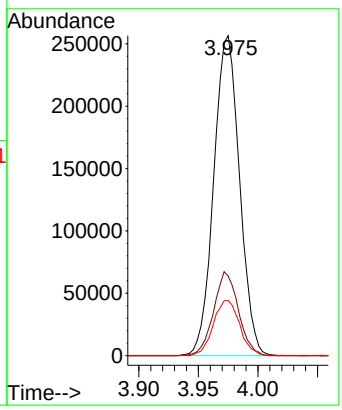


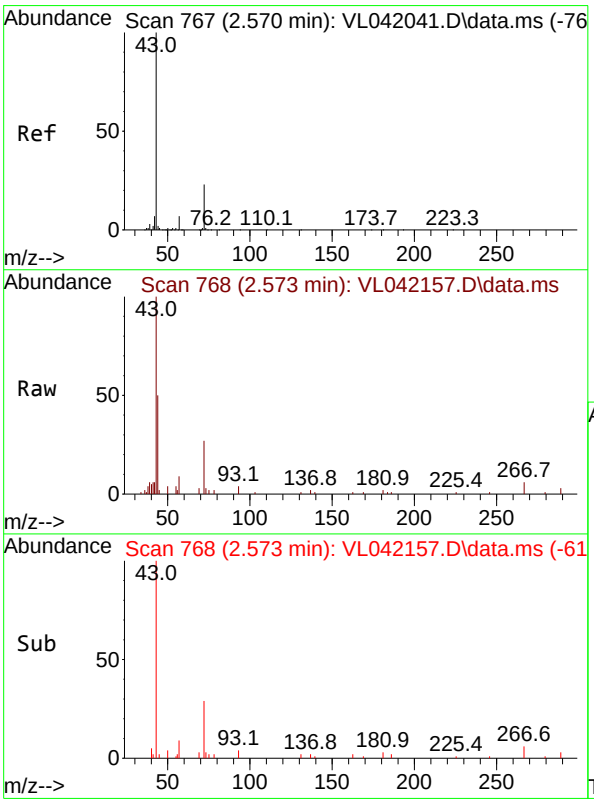
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Tgt Ion:114 Resp: 386181

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.1	30.1
88	17.6	14.3	21.5

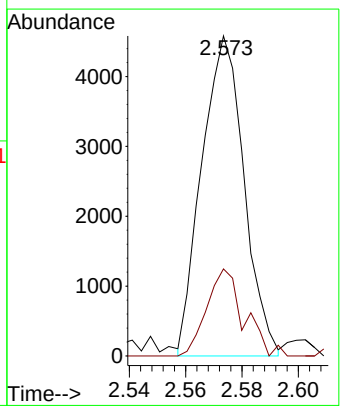


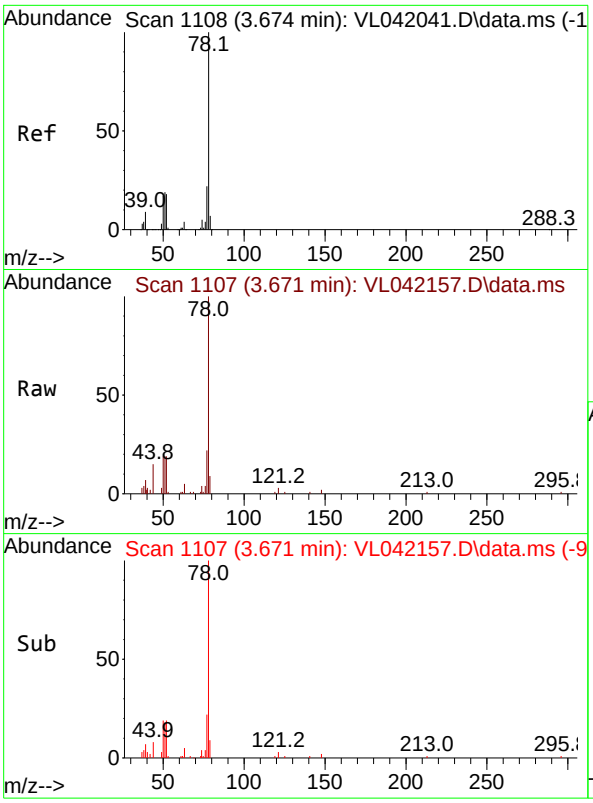


#34
2-Butanone
Concen: 0.159 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 43 Resp: 4769

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.5	27.7



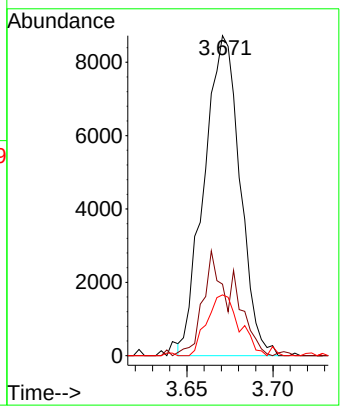


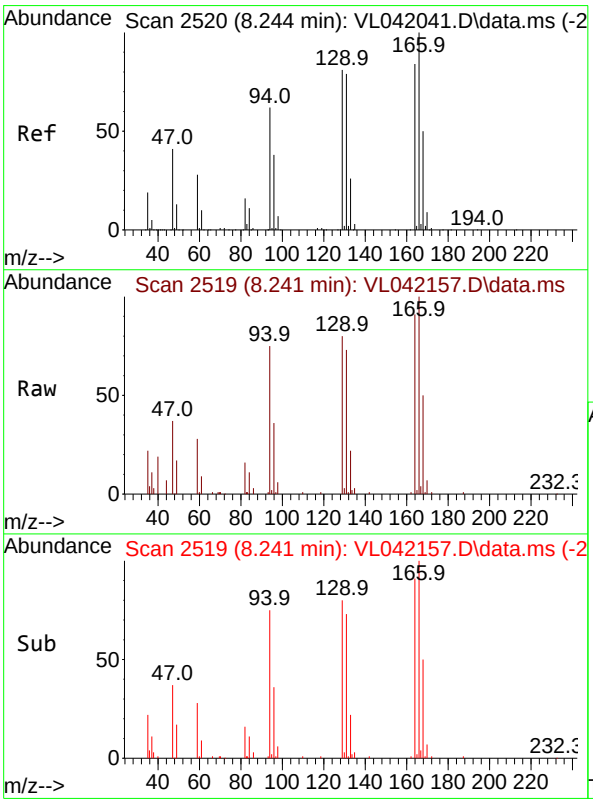
#36
Benzene
Concen: 0.313 ppbv
RT: 3.671 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Tgt Ion: 78 Resp: 12664

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.7	26.5
50	19.0	13.9	20.9

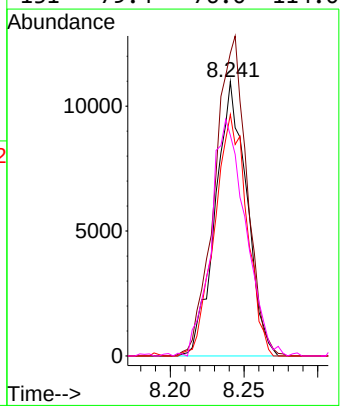


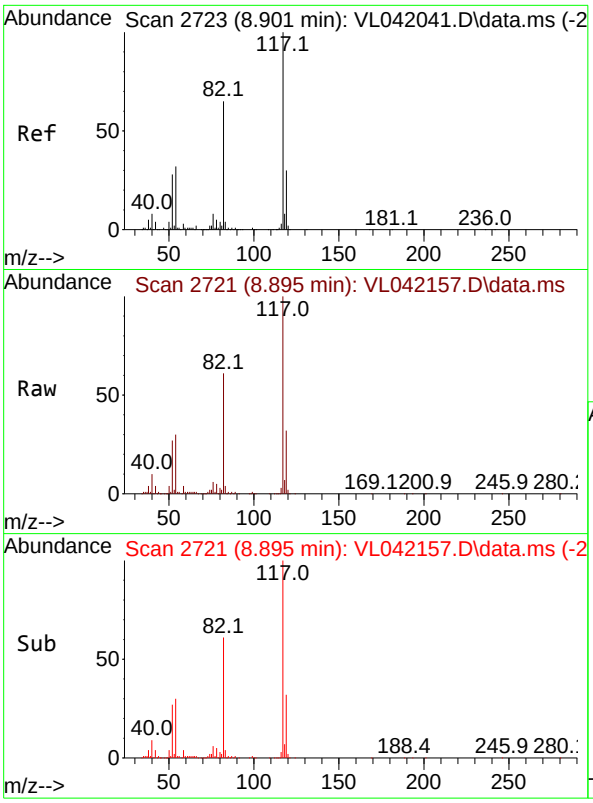


#52
Tetrachloroethene
Concen: 1.168 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion:164 Resp: 16168

Ion	Ratio	Lower	Upper
164	100		
166	109.8	95.7	143.5
129	88.0	77.1	115.7
131	79.4	76.0	114.0



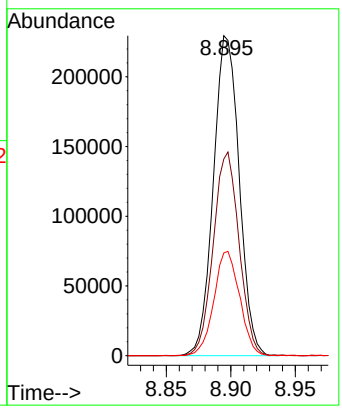


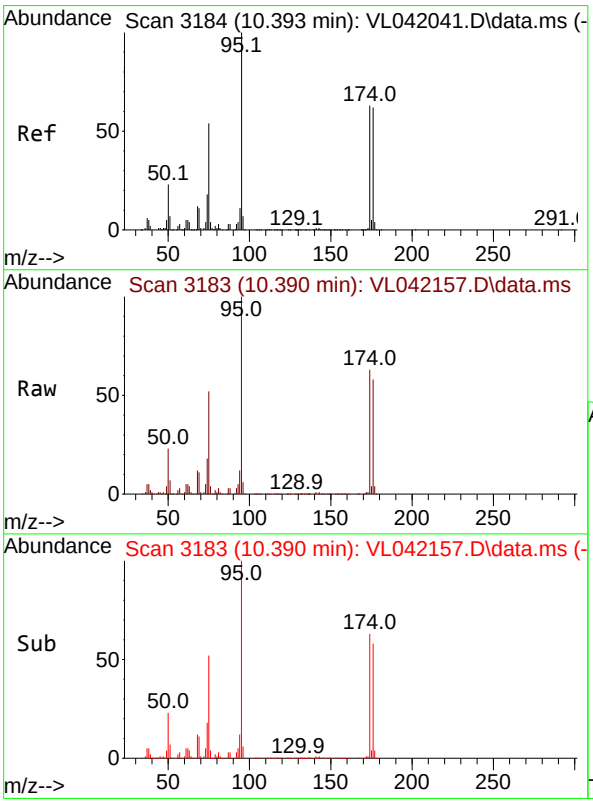
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2DL

Tgt Ion:117 Resp: 319433

Ion	Ratio	Lower	Upper
117	100		
82	63.7	55.0	82.6
119	32.6	25.9	38.9

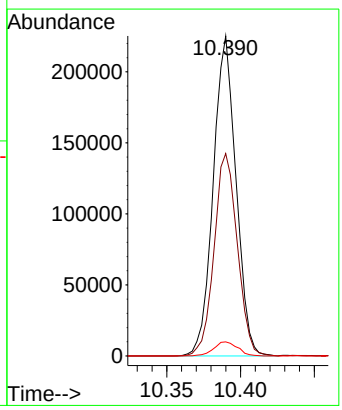




#68
1-Bromo-4-Fluorobenzene
Concen: 9.842 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042157.D
Acq: 17 Mar 2025 14:41

Tgt Ion: 95 Resp: 241867

Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.8	77.6
175	4.7	3.9	5.9



CALIBRATION SUMMARY

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL022525AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Feb 26 01:08:36 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042046.D 0.1 =VL042045.D 0.5 =VL042044.D 1 =VL042043.D 2 =VL042042.D 10 =VL042041.D 15 =VL042047.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.109	1.084	1.091	0.943	0.973	1.040	7.31
3)		Chlorodifluoro...			1.493	1.566	1.535	1.311	1.362	1.453	7.67
4)		Chloromethane			0.438	0.398	0.399	0.344	0.344	0.385	10.53
5)	T	Vinyl Chloride	0.447	0.336	0.376	0.346	0.361	0.337	0.343	0.364	10.89
6)	T	Bromomethane			0.170	0.184	0.186	0.160	0.165	0.173	6.63
7)		Chloroethane			0.151	0.158	0.156	0.135	0.140	0.148	6.83
8)	T	Dichlorotetraf...			0.892	0.910	0.901	0.779	0.791	0.855	7.47
9)	T	Propene			0.614	0.630	0.636	0.522	0.558	0.592	8.47
10)	T	Heptane			1.971	1.946	1.960	1.662	1.679	1.844	8.59
11)	T	Trichlorofluor...			1.056	1.122	1.119	0.944	0.968	1.042	7.98
12)	T	1,1,2-Trichlor...			0.919	0.902	0.865	0.697	0.773	0.831	11.28
13)		Ethanol			0.053	0.057	0.040	0.020	0.018	0.038#	48.50
14)	T	Bromoethene			0.325	0.304	0.299	0.264	0.275	0.293	8.41
15)	T	Acetone			1.084	0.960	0.933	0.714	0.723	0.883	18.17
16)	T	1,3-Butadiene			0.476	0.435	0.418	0.358	0.367	0.411	11.96
17)		tert-Butyl alc...			1.184	1.185	1.201	0.950	1.004	1.105	10.71
18)	T	1,1-Dichloroet...			0.398	0.437	0.386	0.320	0.338	0.376	12.57
19)	T	Isopropyl Alcohol			0.561	0.571	0.557	0.419	0.429	0.507	15.06
20)	T	Methylene Chlo...			0.429	0.374	0.329	0.261	0.278	0.334	20.72
21)	T	Allyl Chloride			0.707	0.717	0.639	0.538	0.590	0.638	11.94
22)	T	trans-1,2-Dich...			0.481	0.506	0.450	0.358	0.395	0.438	13.90
23)	T	Vinyl Acetate			0.689	0.614	0.695	0.520	0.586	0.621	11.82
24)	T	1,1-Dichloroet...			0.927	0.856	0.863	0.669	0.758	0.815	12.42
25)	T	Ethyl Acetate			3.833	3.674	3.776	3.174	3.217	3.535	8.91
26)	T	Hexane			1.596	1.462	1.519	1.282	1.287	1.429	9.83
27)	T	Carbon Disulfide			1.042	0.972	1.032	0.856	0.942	0.969	7.78
28)	T	Methyl tert-Bu...			0.650	0.844	0.838	0.522	0.705	0.711	19.02
29)	T	Chloroform			2.165	2.044	1.971	1.722	1.716	1.923	10.36
30)	T	Cyclohexane			1.154	1.239	1.255	1.076	1.076	1.160	7.39
31)	T	cis-1,2-Dichlo...			1.421	1.401	1.450	1.237	1.255	1.353	7.33
32)	T	1,1,1-Trichlor...	1.921	1.875	1.883	1.916	1.944	1.771	1.751	1.866	4.05
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.833	0.799	0.812	0.692	0.759	0.779	7.15
35)	T	Carbon Tetrach...	0.664	0.705	0.675	0.723	0.725	0.655	0.681	0.690	4.09
36)	T	Benzene			1.079	1.084	1.104	0.969	0.999	1.047	5.66
37)	T	1,2-Dichloroet...			0.624	0.604	0.598	0.520	0.556	0.580	7.20
38)	T	Trichloroethene	0.447	0.462	0.433	0.447	0.447	0.378	0.379	0.427	8.06
39)	T	1,2-Dichloropr...			0.421	0.415	0.414	0.357	0.379	0.397	7.02

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL022525AIR.M

40)	T	1,4-Dioxane		0.192	0.196	0.181	0.164	0.173	0.181	7.31
41)	T	Tetrahydrofuran		0.469	0.492	0.473	0.418	0.450	0.460	6.04
42)	T	Bromodichlorom...		0.806	0.791	0.810	0.739	0.765	0.782	3.81
43)		Methyl Methacr...		0.400	0.418	0.426	0.392	0.409	0.409	3.35
44)	T	2,2,4-Trimethy...		1.928	1.935	1.955	1.670	1.750	1.848	6.99
45)	T	t-1,3-Dichloro...		0.414	0.392	0.418	0.393	0.414	0.406	3.12
46)	T	cis-1,3-Dichlo...		0.514	0.523	0.548	0.516	0.526	0.526	2.59
47)	T	1,1,2-Trichlor...		0.426	0.429	0.426	0.361	0.375	0.403	8.12
48)	T	Dibromochlorom...		0.618	0.667	0.667	0.594	0.613	0.632	5.25
49)	T	Bromoform		0.553	0.551	0.588	0.525	0.526	0.549	4.68
50)	T	4-Methyl-2-Pen...		0.996	0.974	0.975	1.014	1.079	1.008	4.27
51)	T	2-Hexanone		0.577	0.570	0.608	0.834	0.879	0.693	21.69
52)	T	Tetrachloroethene	0.322	0.374	0.380	0.383	0.385	0.327	0.337	0.358	7.88
53)	T	Toluene			1.150	1.210	1.284	1.088	1.118	1.170	6.67
54)	T	1,2-Dibromoethane		0.563	0.556	0.553	0.586	0.500	0.514	0.545	5.87
55)	I	Chlorobenzene-d5	----------ISTD----------							
56)		1,1,1,2-Tetrac...			0.607	0.596	0.595	0.505	0.524	0.565	8.37
57)	T	Chlorobenzene			1.102	1.113	1.121	0.910	0.938	1.037	10.02
58)	T	Ethyl Benzene			1.886	1.906	1.974	1.694	1.749	1.842	6.31
59)	T	m/p-Xylene			1.488	1.550	1.580	1.330	1.380	1.466	7.35
60)	T	o-Xylene			1.572	1.550	1.577	1.317	1.351	1.473	8.68
61)	T	Styrene			0.659	0.719	0.738	0.658	0.690	0.693	5.18
62)		Isopropylbenzene			2.299	2.339	2.399	1.969	2.026	2.207	8.84
63)	T	1,1,2,2-Tetrac...	0.999	0.975	1.026	1.041	1.031	0.848	0.872	0.970	8.13
64)		n-propylbenzene			0.596	0.607	0.632	0.524	0.535	0.579	8.11
65)		tert-Butylbenzene			2.080	2.251	2.222	1.733	1.753	2.008	12.47
66)	T	Benzyl Chloride			0.141	0.159	0.163	0.153	0.150	0.153	5.40
67)		sec-Butylbenzene			2.973	3.229	3.182	2.482	2.494	2.872	12.65
68)	S	1-Bromo-4-Fluo...	0.773	0.760	0.768	0.777	0.765	0.764	0.779	0.769	0.92
69)		p-Isopropyltol...			2.240	2.533	2.575	2.021	2.056	2.285	11.38
70)		n-Butylbenzene			2.332	2.567	2.572	2.070	2.120	2.332	10.20
71)		2-Chlorotoluene			1.758	1.829	1.853	1.514	1.551	1.701	9.30
72)	T	4-Ethyltoluene			1.775	1.944	1.985	1.621	1.670	1.799	8.99
73)	T	1,3,5-Trimethy...			1.592	1.732	1.696	1.381	1.400	1.560	10.47
74)	T	1,2,4-Trimethy...			1.855	1.982	1.990	1.471	1.488	1.757	14.76
75)	T	1,3-Dichlorobe...			1.112	1.110	1.083	0.869	0.882	1.011	12.30
76)	T	1,4-Dichlorobe...			1.120	1.061	1.092	0.861	0.886	1.004	12.07
77)	T	1,2-Dichlorobe...			1.059	1.097	1.063	0.836	0.852	0.981	12.88
78)	T	Hexachloro-1,3...			0.840	0.832	0.844	0.637	0.666	0.764	13.53
79)	T	Naphthalene		0.841	0.978	1.237	1.352	1.371	1.450	1.205	20.15
80)	T	Naphthalene,2-...			0.090	0.142	0.240	0.562	0.615	0.330	73.74
81)	T	1,2,4-Trichlor...			0.589	0.687	0.765	0.644	0.673	0.671	9.58

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 10:10:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	161135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	422655	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	374249	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	285943	9.263	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	152005	5.480	ppbv	99
3) Chlorodifluoromethane	1.479	51	211185	6.887	ppbv	96
4) Chloromethane	1.538	50	55364	5.136	ppbv	98
5) Vinyl Chloride	1.586	62	54228	4.207	ppbv	98
6) Bromomethane	1.674	94	25846	5.173	ppbv	90
7) Chloroethane	1.709	64	21717	5.169	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	125595	5.147	ppbv	94
9) Propene	1.489	41	84038	6.357	ppbv	97
10) Heptane	5.007	43	267860	7.296	ppbv	97
11) Trichlorofluoromethane	1.884	101	152112	5.449	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	112374	5.162	ppbv	93
13) Ethanol	1.729	45	3178	2.131	ppbv	85
14) Bromoethene	1.787	108	42461	5.223	ppbv	99
15) Acetone	1.842	43	115085	4.327	ppbv	95
16) 1,3-Butadiene	1.615	39	57707	4.574	ppbv	100
17) tert-Butyl alcohol	2.049	59	153073	4.651	ppbv	100
18) 1,1-Dichloroethene	2.043	96	51534	4.954	ppbv	95
19) Isopropyl Alcohol	1.894	45	67445	4.522	ppbv	98
20) Methylene Chloride	2.069	84	41998	4.195	ppbv	94
21) Allyl Chloride	2.104	41	86723	4.504	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	57617	5.104	ppbv	96
23) Vinyl Acetate	2.473	43	83866	5.823	ppbv	98
24) 1,1-Dichloroethane	2.418	63	107817	4.704	ppbv	100
25) Ethyl Acetate	2.852	43	511505	7.007	ppbv	99
26) Hexane	2.839	57	206577	7.052	ppbv	98
27) Carbon Disulfide	2.159	76	137978	5.008	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	84091	4.696	ppbv	98
29) Chloroform	2.862	83	277411	6.538	ppbv	96
30) Cyclohexane	3.875	84	173351	7.295	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	199354	6.886	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	285335	6.064	ppbv	98
34) 2-Butanone	2.570	43	292449	8.043	ppbv	100
35) Carbon Tetrachloride	3.781	117	276677	6.741	ppbv	97
36) Benzene	3.674	78	409501	7.999	ppbv	98
37) 1,2-Dichloroethane	3.234	62	219829	7.543	ppbv	100
38) Trichloroethene	4.570	130	159933	7.689	ppbv	93
39) 1,2-Dichloropropane	4.337	63	151036	8.047	ppbv	99
40) 1,4-Dioxane	4.609	88	69399	7.105	ppbv #	76
41) Tetrahydrofuran	3.072	42	176830	8.509	ppbv	95
42) Bromodichloromethane	4.512	83	312250	7.908	ppbv	97
43) Methyl Methacrylate	4.907	69	165494	7.091	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	705920	8.122	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	166207	7.544	ppbv	91

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 10:10:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	218294	7.809	ppbv		99
47) 1,1,2-Trichloroethane	6.610	97	152556	7.723	ppbv		97
48) Dibromochloromethane	7.412	129	251213	7.593	ppbv		99
49) Bromoform	9.503	173	222057	8.183	ppbv		98
50) 4-Methyl-2-Pentanone	5.787	43	428434	7.666	ppbv		100
51) 2-Hexanone	7.464	43	352331	7.709	ppbv	#	96
52) Tetrachloroethene	8.244	164	138263	7.743	ppbv		94
53) Toluene	6.959	91	460041	7.541	ppbv		97
54) 1,2-Dibromoethane	7.678	107	211395	7.772	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.943	131	188811	7.049	ppbv		97
57) Chlorobenzene	8.940	112	340525	7.735	ppbv		97
58) Ethyl Benzene	9.374	91	633939	7.739	ppbv		98
59) m/p-Xylene	9.552	91	995259m	15.427	ppbv		
60) o-Xylene	9.982	91	493069	7.557	ppbv		97
61) Styrene	9.888	104	246161	7.912	ppbv		98
62) Isopropylbenzene	10.555	105	736884	7.522	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.979	83	317313	7.538	ppbv		100
64) n-propylbenzene	11.005	120	196044	8.145	ppbv		90
65) tert-Butylbenzene	11.545	119	648698	7.596	ppbv		97
66) Benzyl Chloride	11.630	91	57345	6.699	ppbv	#	97
67) sec-Butylbenzene	11.782	105	928863	7.744	ppbv		99
69) p-Isopropyltoluene	11.940	119	756264	7.702	ppbv		98
70) n-Butylbenzene	12.296	91	774646	8.009	ppbv		99
71) 2-Chlorotoluene	10.918	91	566619	7.681	ppbv		97
72) 4-Ethyltoluene	11.141	105	606538	7.934	ppbv		98
73) 1,3,5-Trimethylbenzene	11.219	105	516875	7.838	ppbv		100
74) 1,2,4-Trimethylbenzene	11.552	105	550412	7.777	ppbv		98
75) 1,3-Dichlorobenzene	11.623	146	325160	8.535	ppbv		97
76) 1,4-Dichlorobenzene	11.685	146	322404	8.678	ppbv		97
77) 1,2-Dichlorobenzene	11.963	146	312942	8.593	ppbv		96
78) Hexachloro-1,3-Butadiene	13.895	225	238217	7.907	ppbv		100
79) Naphthalene	13.526	128	513192	7.372	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	210405	6.676	ppbv		95
81) 1,2,4-Trichlorobenzene	13.455	180	241031	8.517	ppbv		99

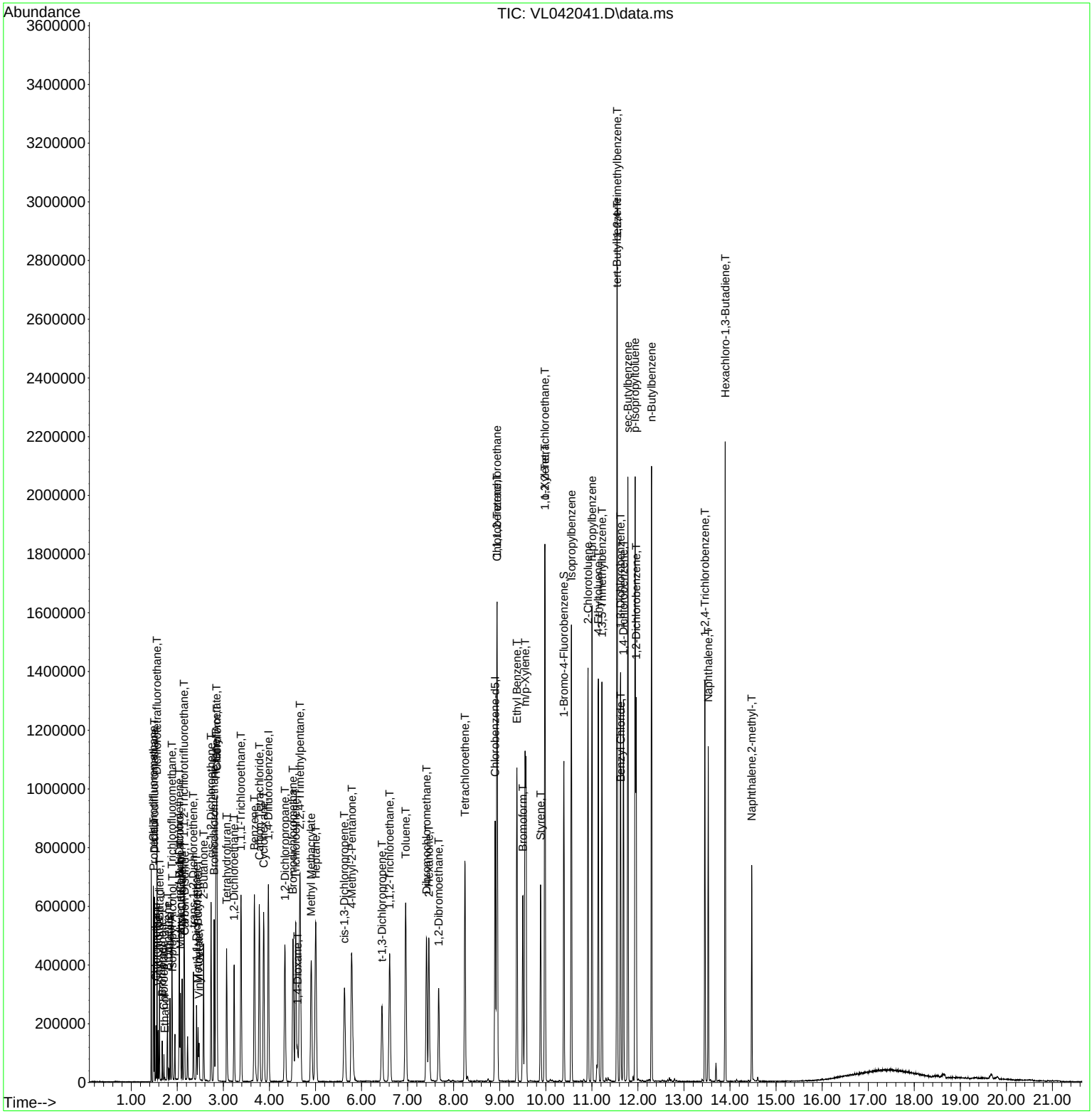
(#) = qualifier out of range (m) = manual integration (+) = signals summed

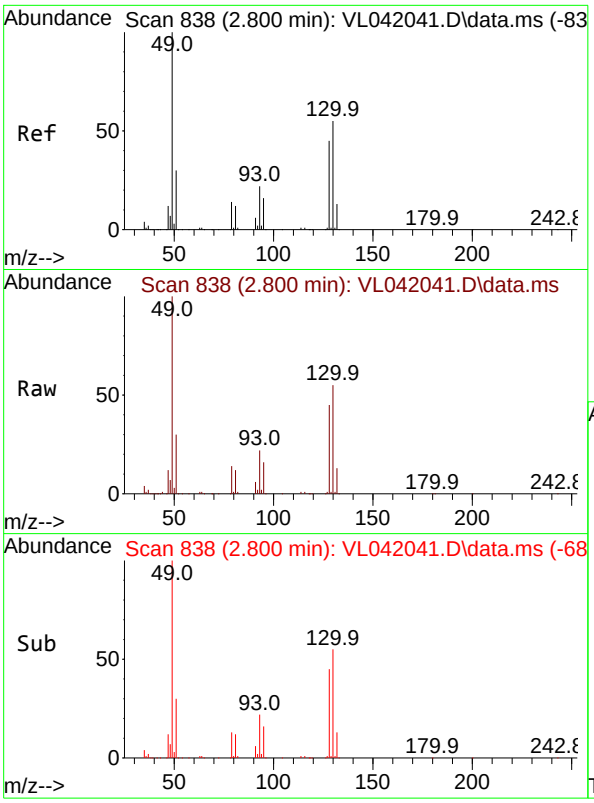
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 10:10:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

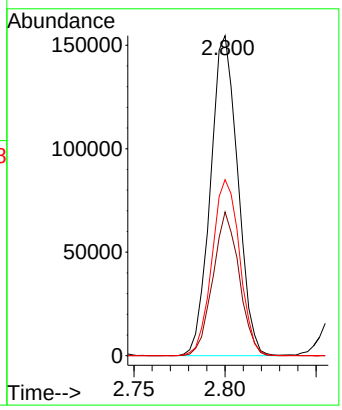




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 49 Resp: 16113

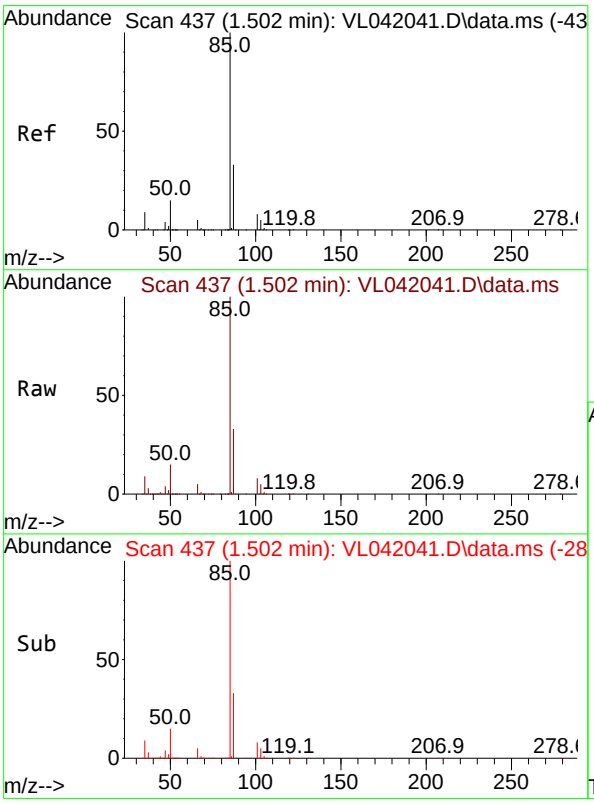
Ion	Ratio	Lower	Upper
49	100		
128	43.2	22.7	68.0
130	55.6	29.9	89.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

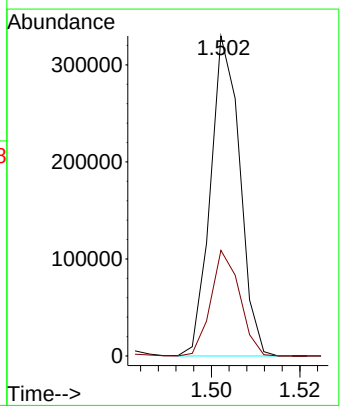
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

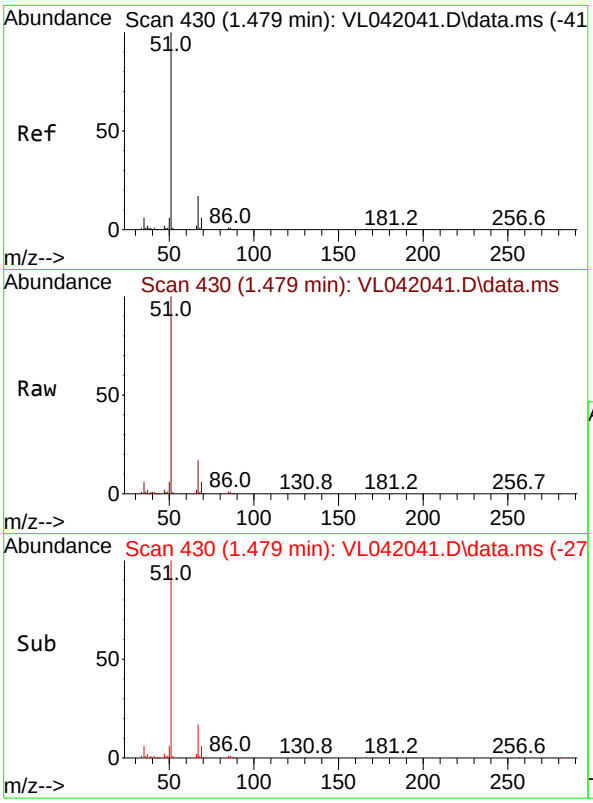


#2
Dichlorodifluoromethane
Concen: 5.480 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 85 Resp: 152005

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.9	40.3

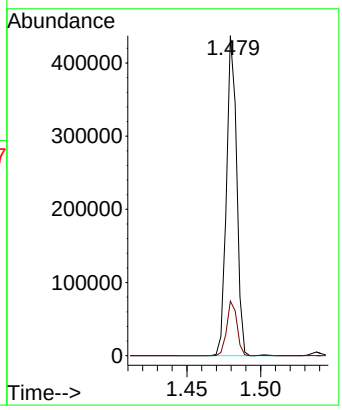




#3
Chlorodifluoromethane
Concen: 6.887 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 51 Resp: 21118

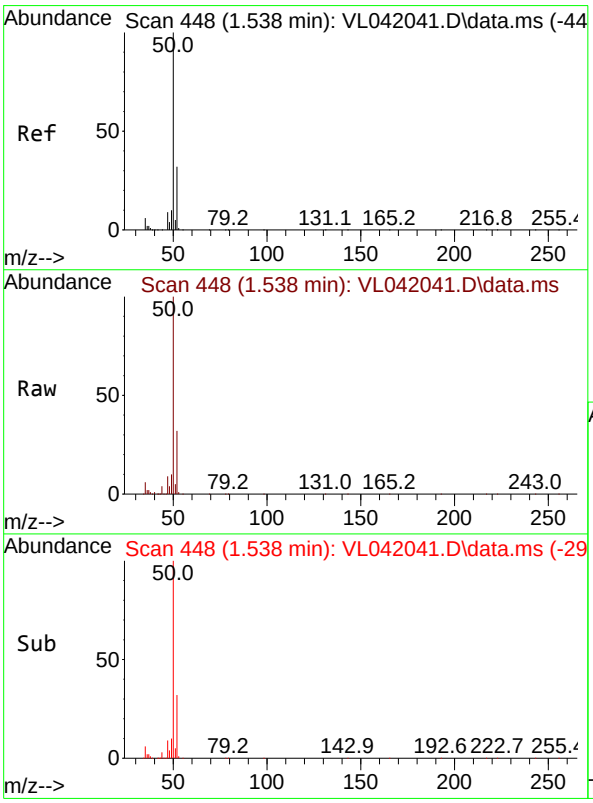
Ion	Ratio	Lower	Upper
51	100		
67	17.1	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

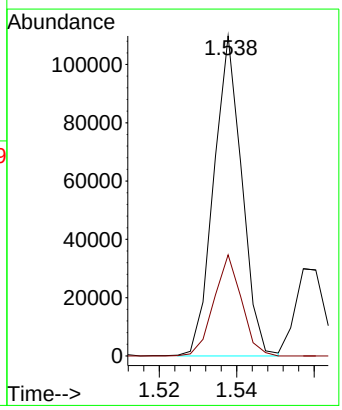
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

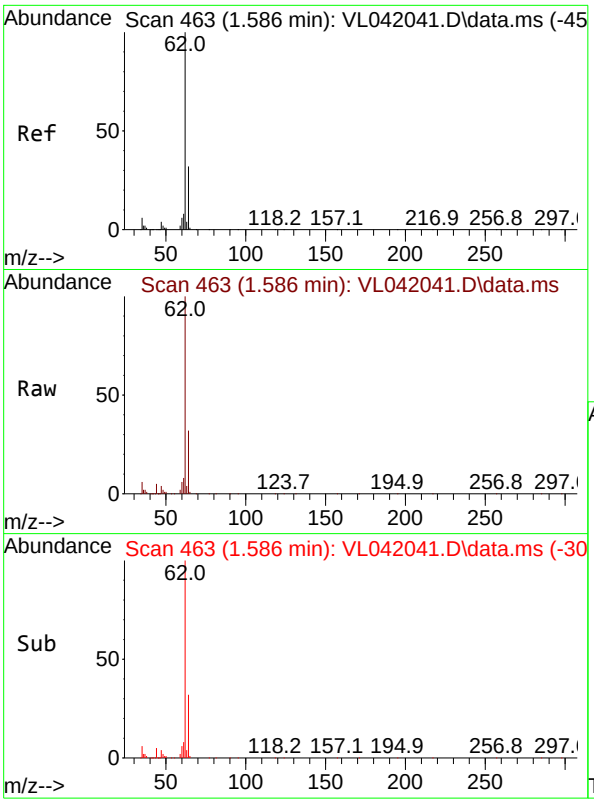


#4
Chloromethane
Concen: 5.136 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 50 Resp: 55364

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.2	39.2

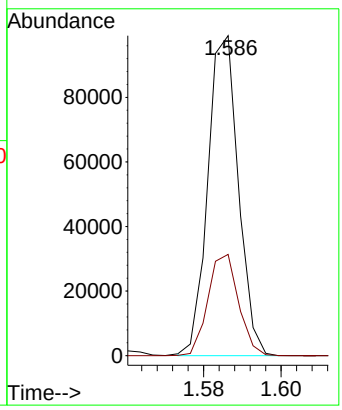




#5
Vinyl Chloride
Concen: 4.207 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 62 Resp: 5422

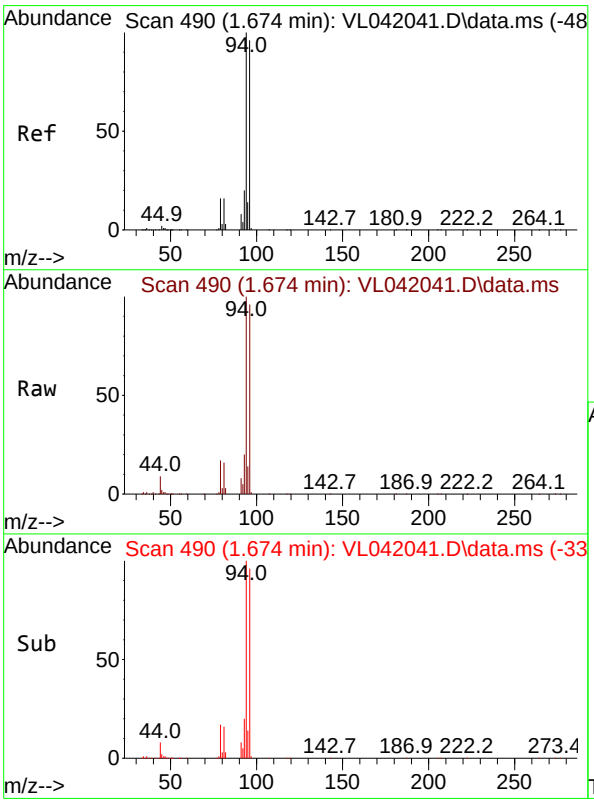
Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

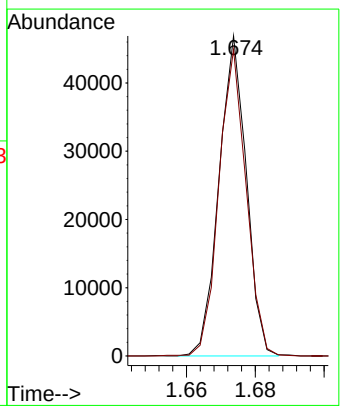
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

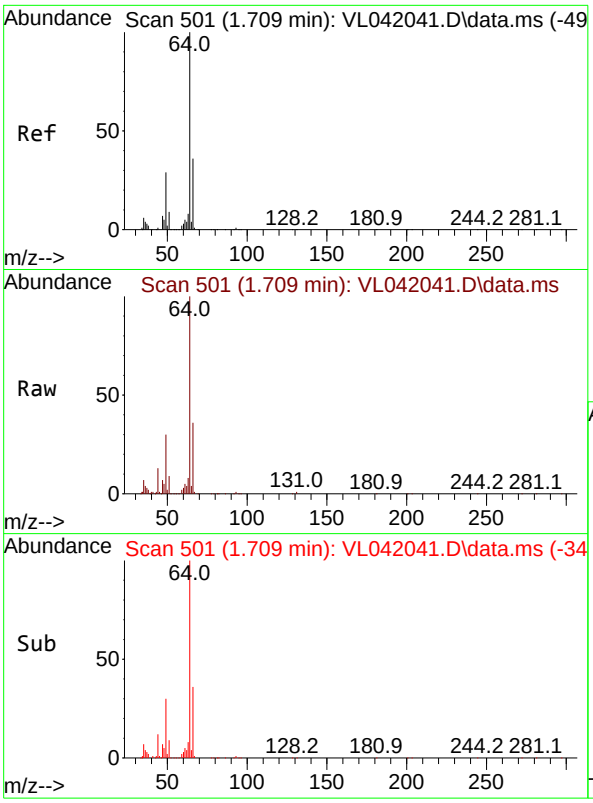


#6
Bromomethane
Concen: 5.173 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 94 Resp: 25846

Ion	Ratio	Lower	Upper
94	100		
96	95.6	69.0	103.6

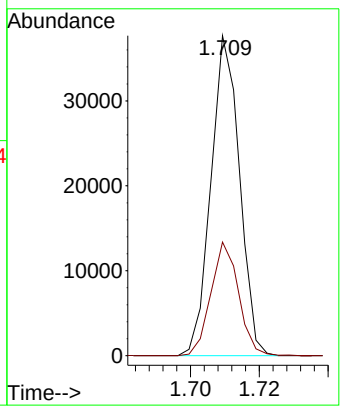




#7
Chloroethane
Concen: 5.169 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 64 Resp: 2171

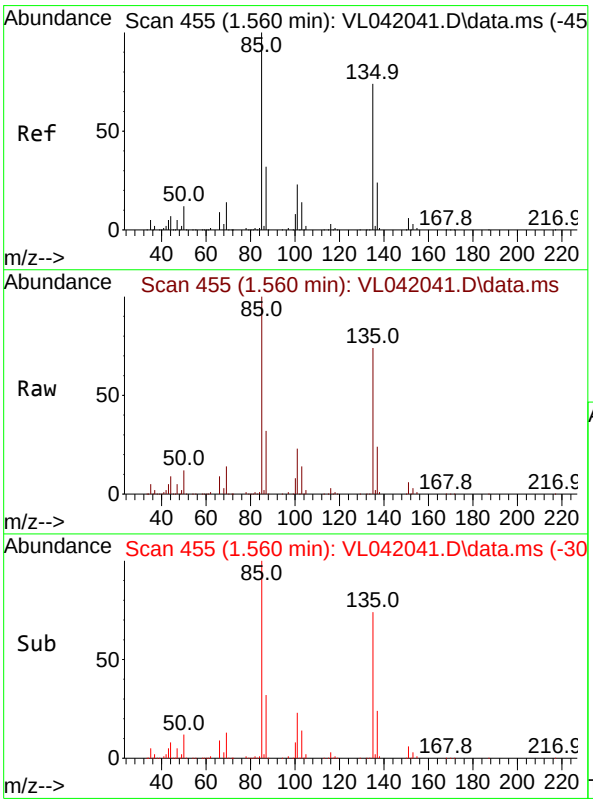
Ion	Ratio	Lower	Upper
64	100		
66	35.5	26.5	39.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

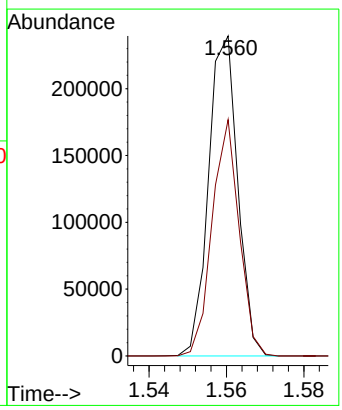
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

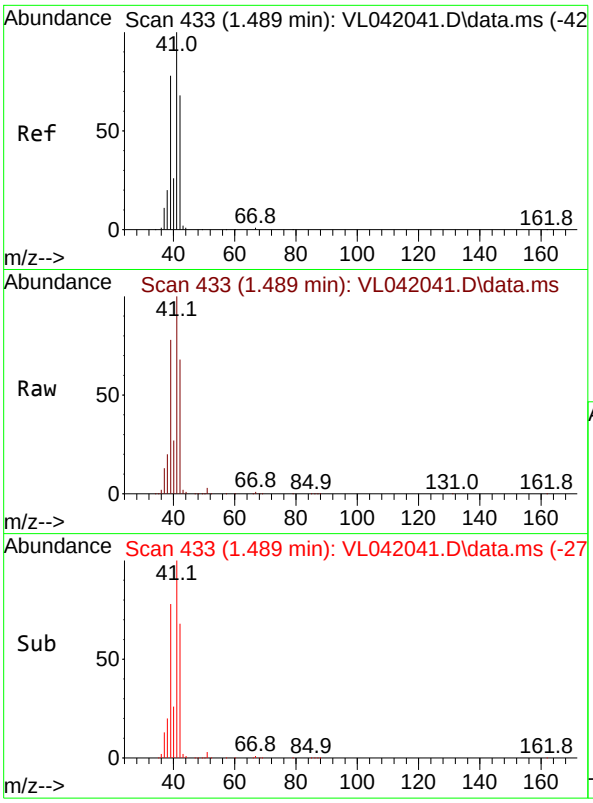


#8
Dichlorotetrafluoroethane
Concen: 5.147 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 85 Resp: 125595

Ion	Ratio	Lower	Upper
85	100		
135	68.2	50.9	76.3

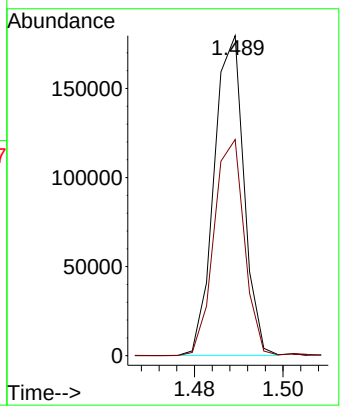




#9
Propene
Concen: 6.357 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 41 Resp: 8403

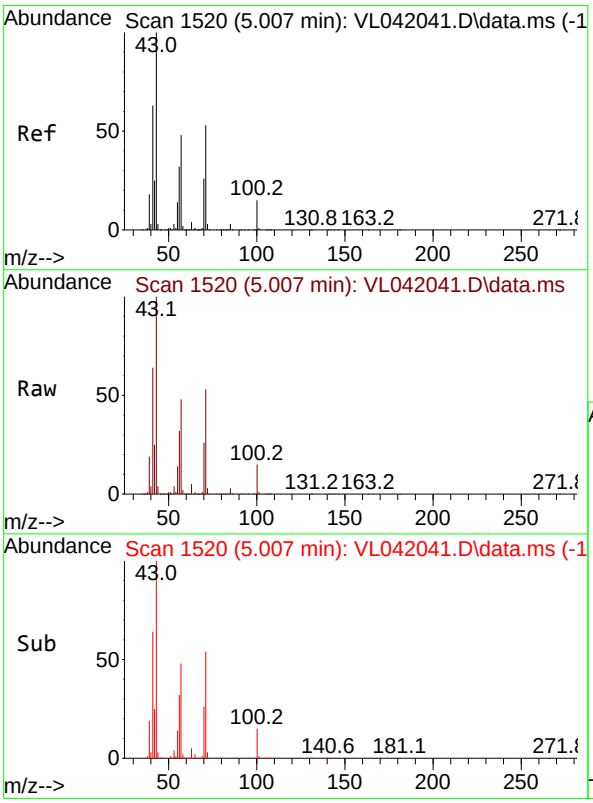
Ion	Ratio	Lower	Upper
41	100		
42	69.7	53.5	80.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

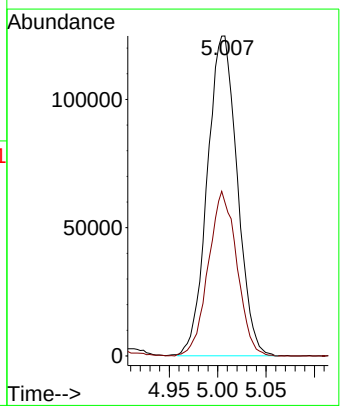
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

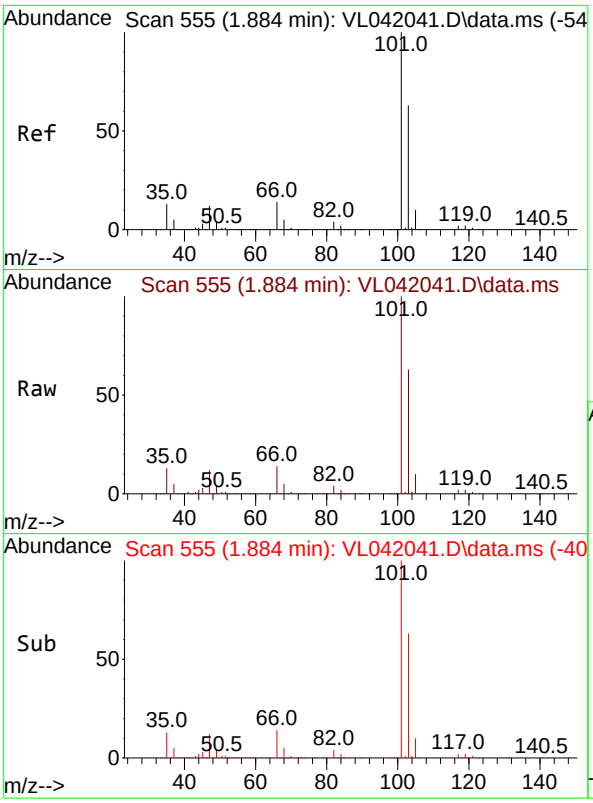


#10
Heptane
Concen: 7.296 ppbv
RT: 5.007 min Scan# 1520
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 267860

Ion	Ratio	Lower	Upper
43	100		
57	49.2	41.0	61.6

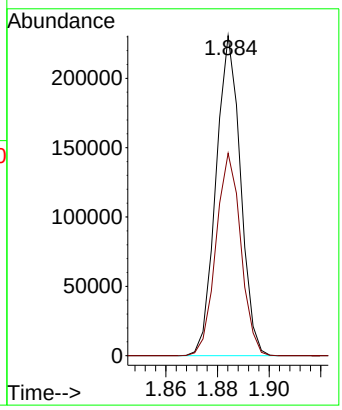




#11
Trichlorofluoromethane
Concen: 5.449 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:101 Resp: 15211

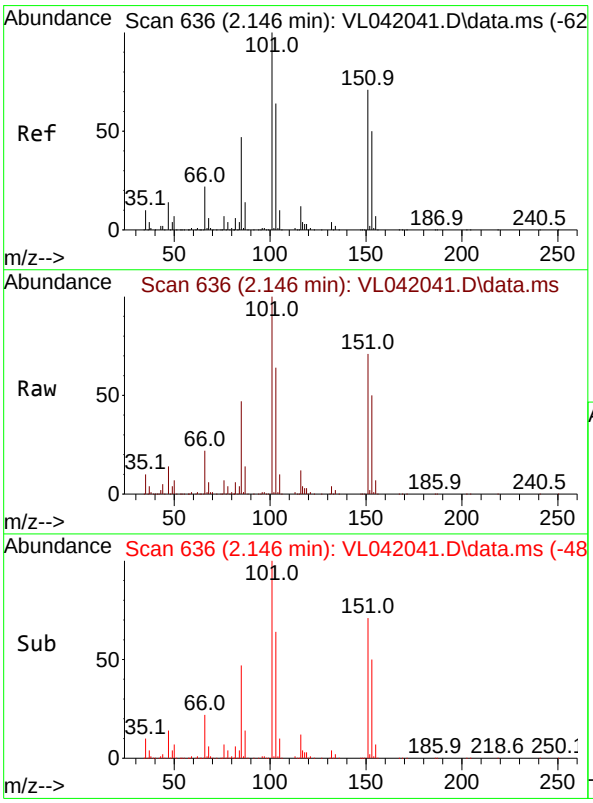
Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.9	79.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

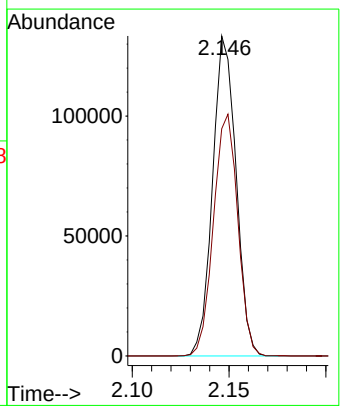
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

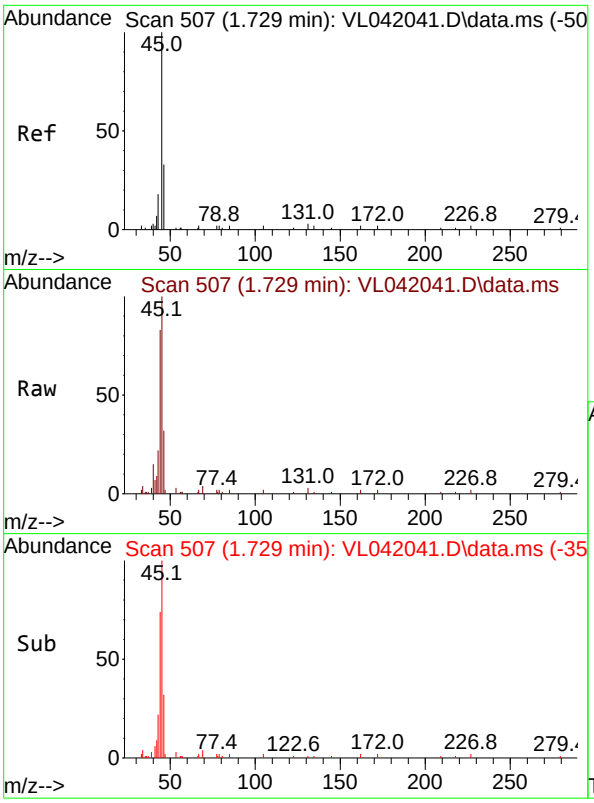


#12
1,1,2-Trichlorotrifluoroethane
Concen: 5.162 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:101 Resp: 112374

Ion	Ratio	Lower	Upper
101	100		
151	78.3	58.2	87.2

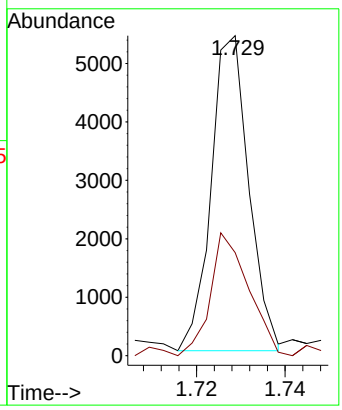




#13
Ethanol
Concen: 2.131 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 45 Resp: 317

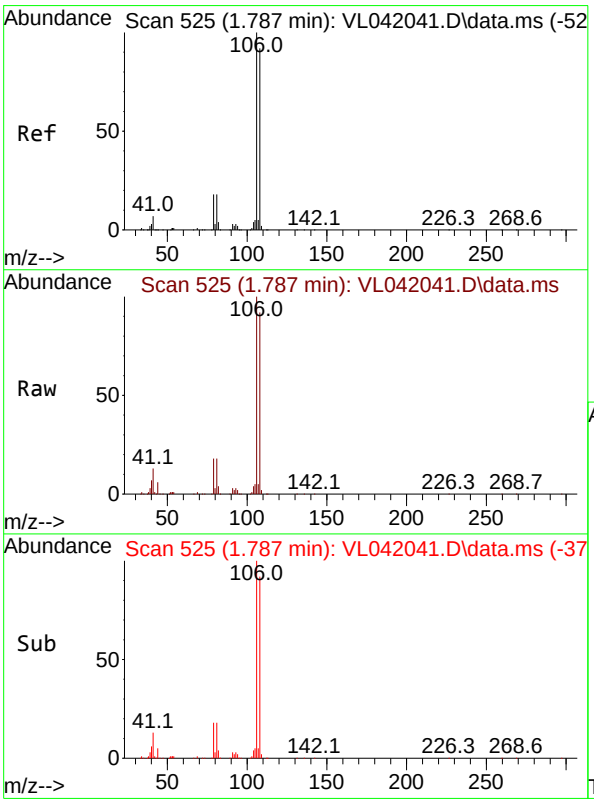
Ion	Ratio	Lower	Upper
45	100		
46	42.7	21.3	85.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

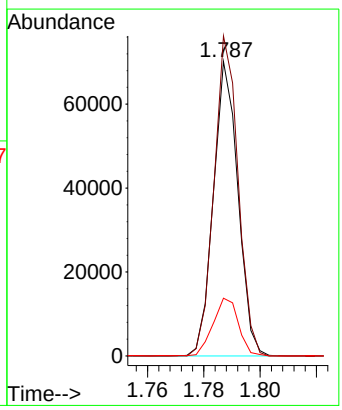
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

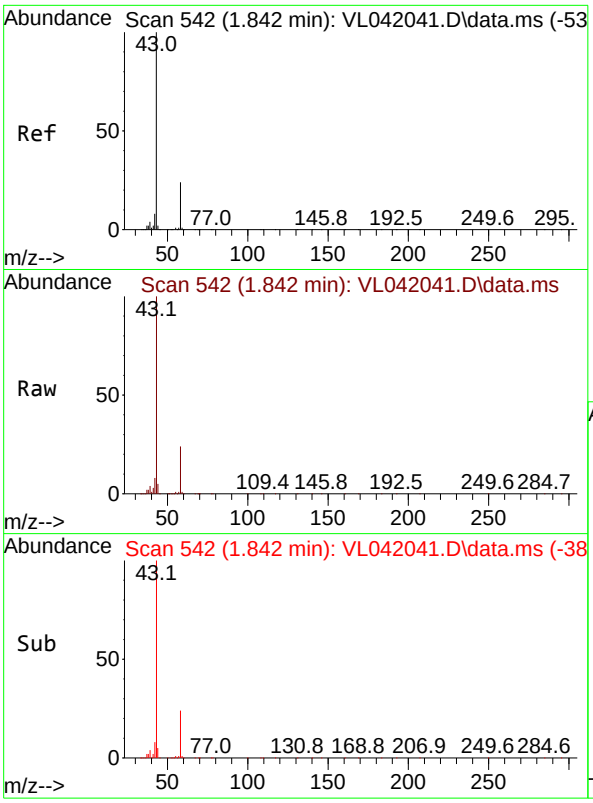


#14
Bromoethene
Concen: 5.223 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:108 Resp: 42461

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.0	127.6
79	20.6	17.3	25.9





#15
Acetone
Concen: 4.327 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

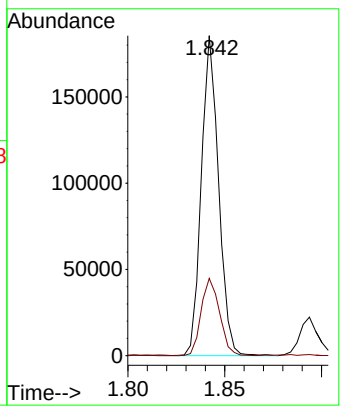
Tgt Ion: 43 Resp: 11508

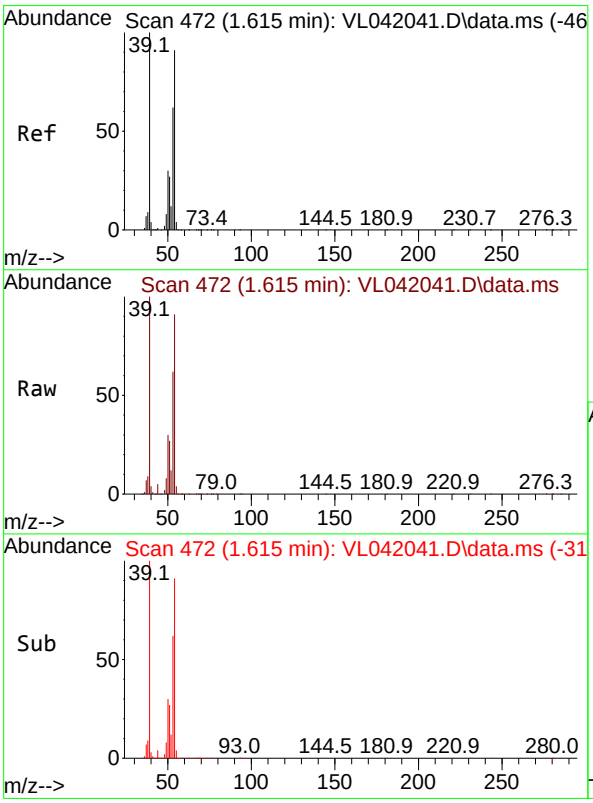
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.9	34.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

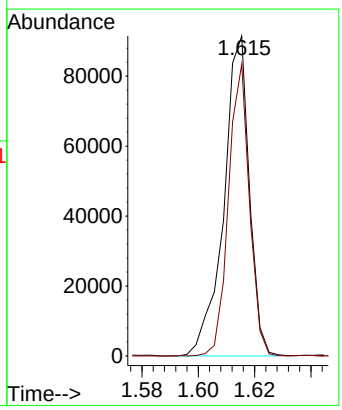


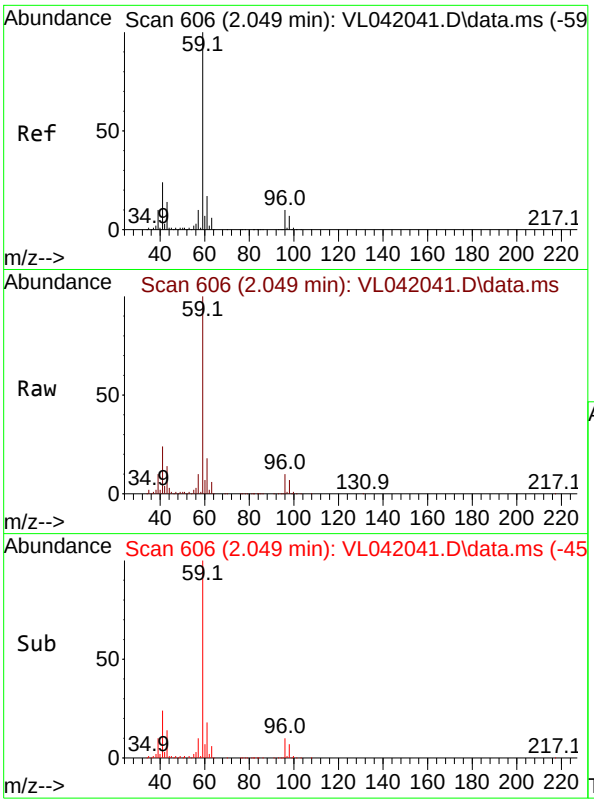


#16
1,3-Butadiene
Concen: 4.574 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 39 Resp: 57707

Ion	Ratio	Lower	Upper
39	100		
54	74.5	59.4	89.2

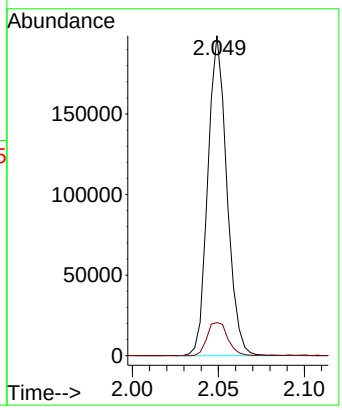




#17
tert-Butyl alcohol
Concen: 4.651 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 59 Resp: 15307

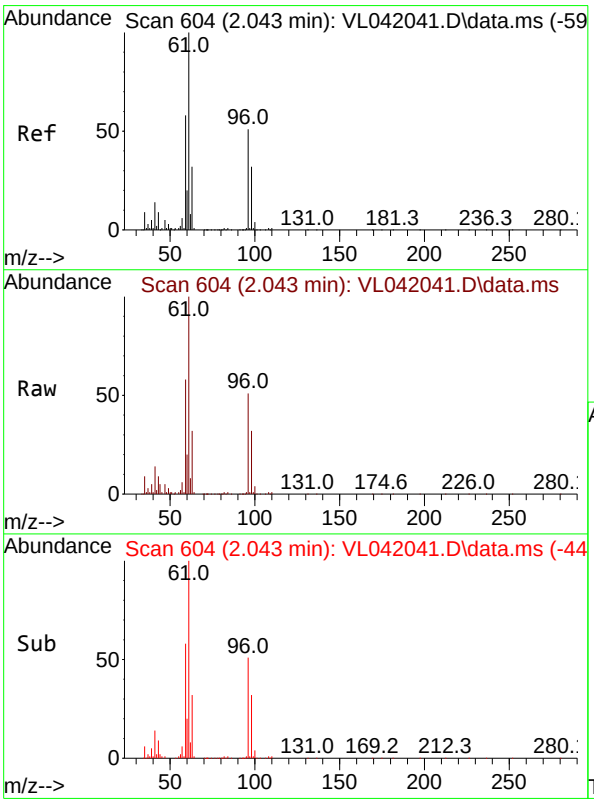
Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.2	13.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

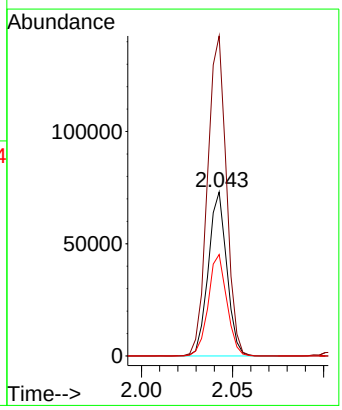
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

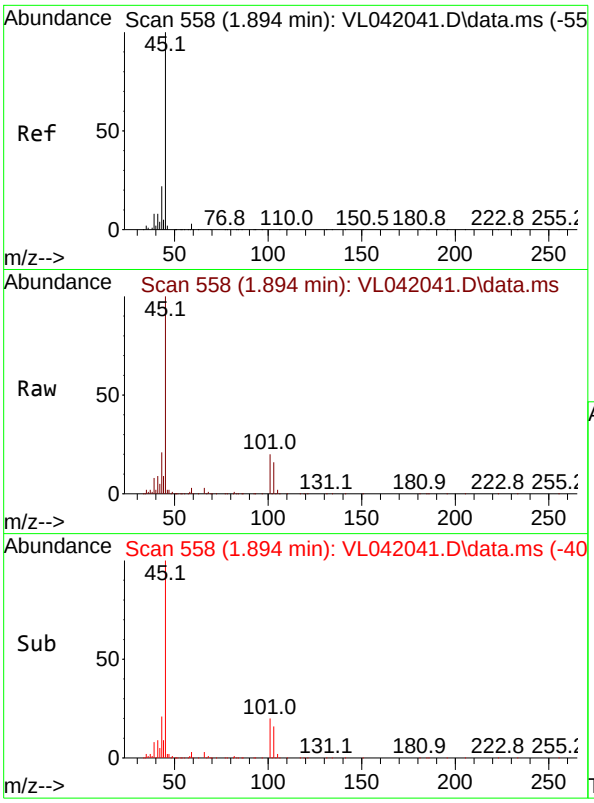


#18
1,1-Dichloroethene
Concen: 4.954 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 96 Resp: 51534

Ion	Ratio	Lower	Upper
96	100		
61	195.0	163.5	245.3
98	61.8	49.4	74.0

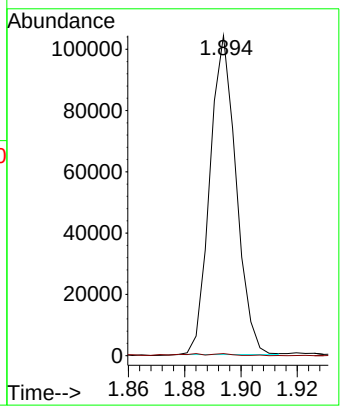




#19
Isopropyl Alcohol
Concen: 4.522 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 45 Resp: 6744

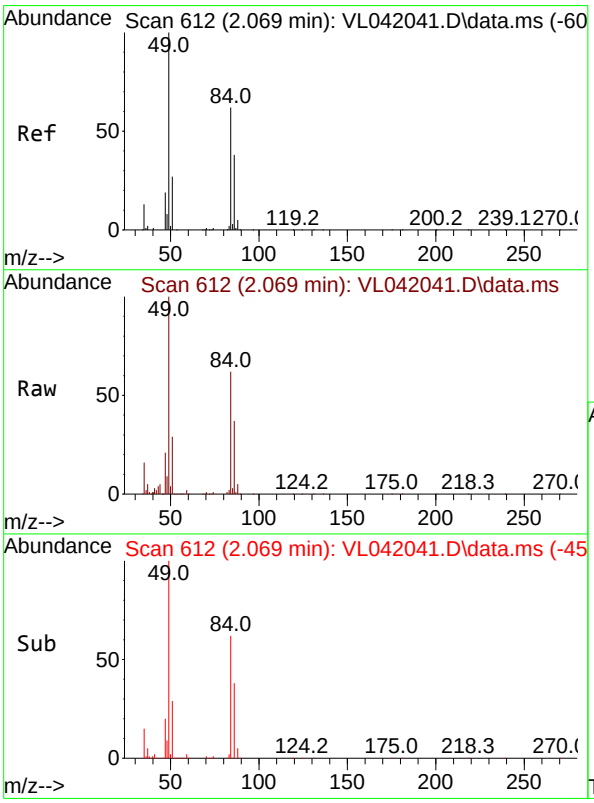
Ion	Ratio	Lower	Upper
45	100		
58	44.1	36.2	54.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

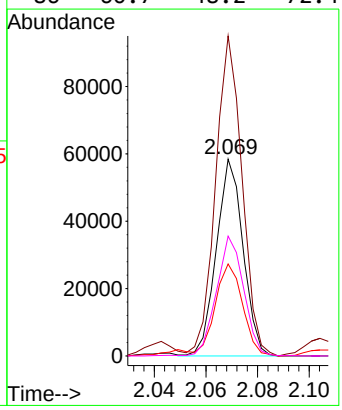
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

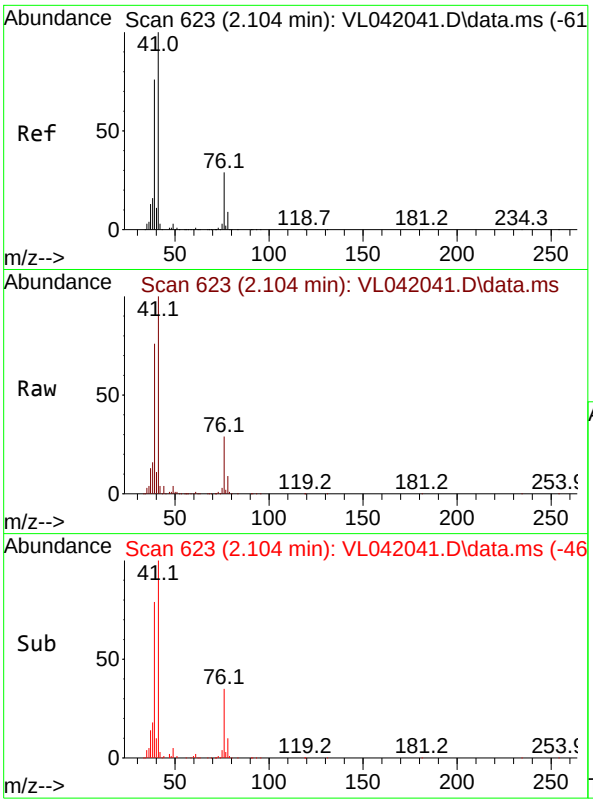


#20
Methylene Chloride
Concen: 4.195 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 84 Resp: 41998

Ion	Ratio	Lower	Upper
84	100		
49	162.5	121.0	181.4
51	46.7	35.1	52.7
86	60.7	48.2	72.4





#21
Allyl Chloride
Concen: 4.504 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

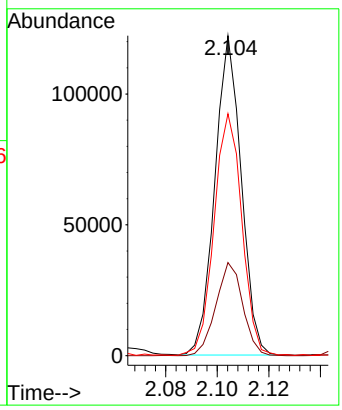
Tgt Ion: 41 Resp: 8672

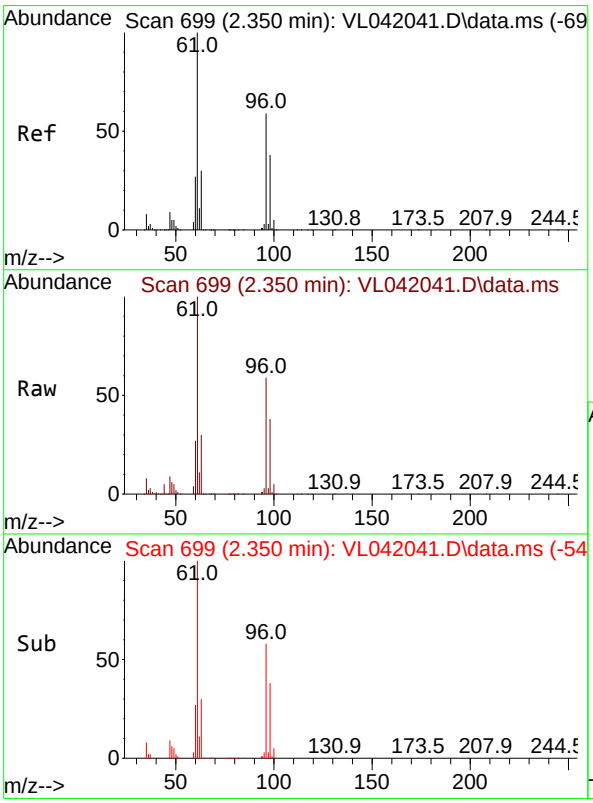
Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.7	35.5
39	79.7	63.0	94.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

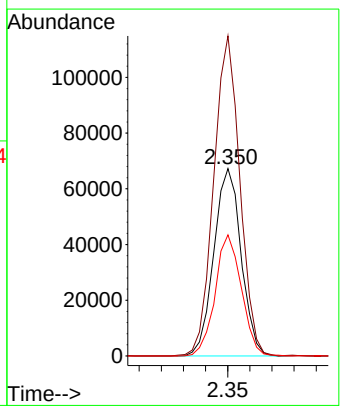


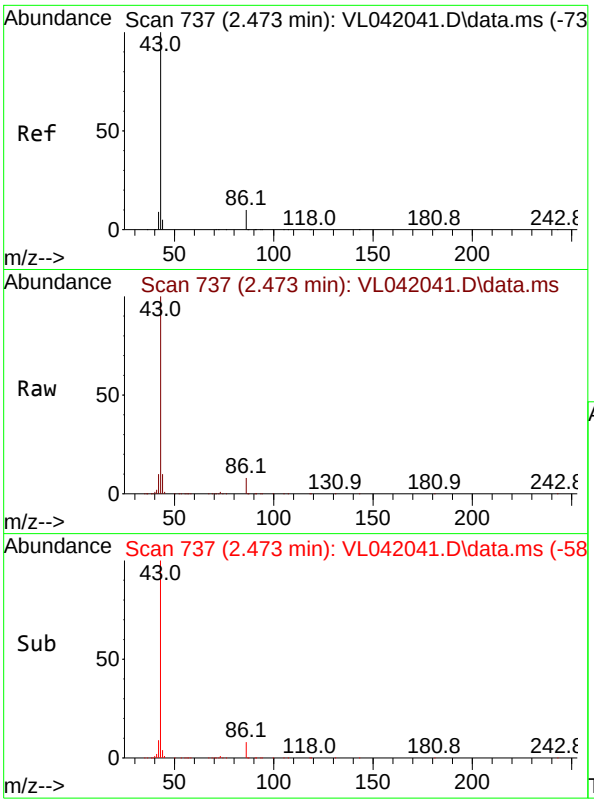


#22
trans-1,2-Dichloroethene
Concen: 5.104 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 96 Resp: 57617

Ion	Ratio	Lower	Upper
96	100		
61	170.8	142.3	213.5
98	64.7	50.2	75.2

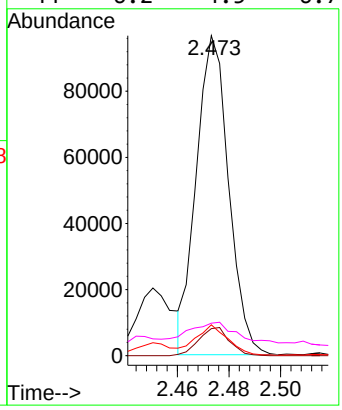




#23
Vinyl Acetate
Concen: 5.823 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 8386

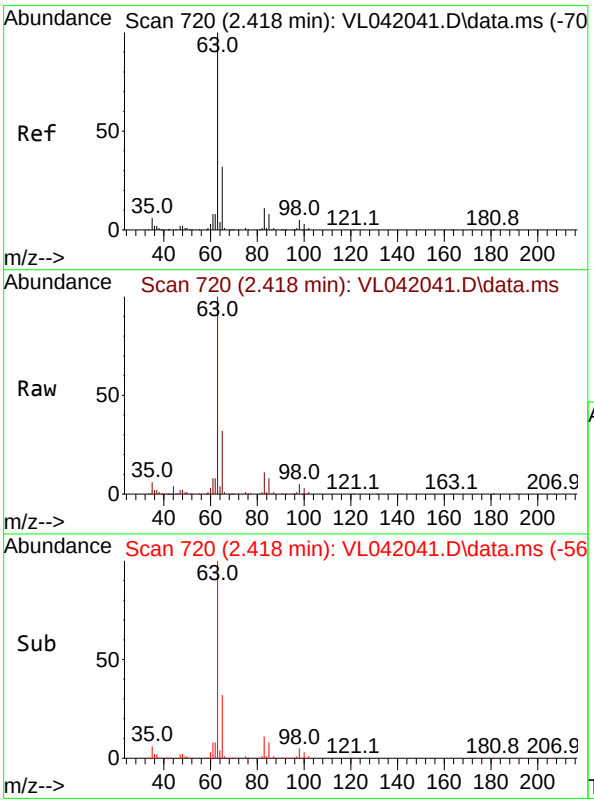
Ion	Ratio	Lower	Upper
43	100		
86	8.7	8.1	12.1
42	9.5	7.5	11.3
44	6.2	4.5	6.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

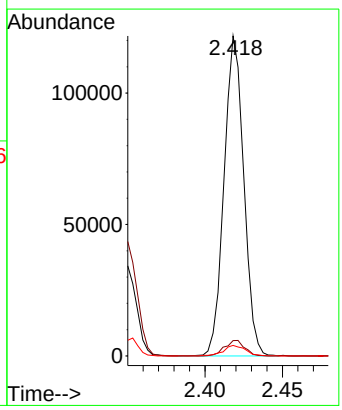
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

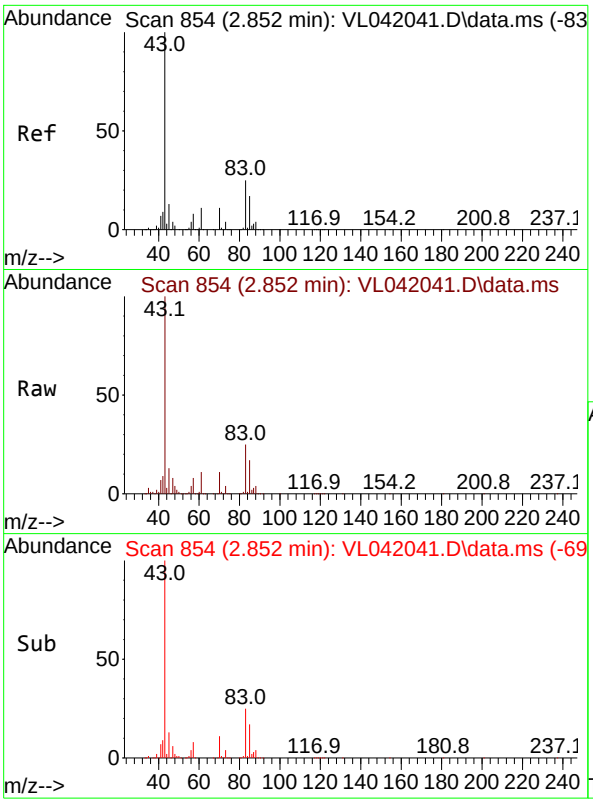


#24
1,1-Dichloroethane
Concen: 4.704 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 63 Resp: 107817

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	3.3	1.6	4.8

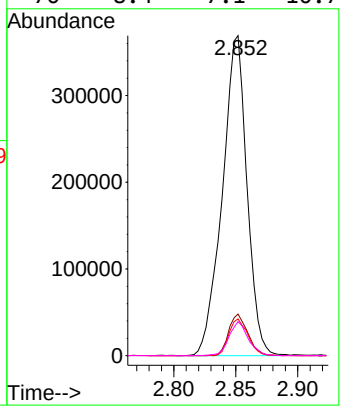




#25
Ethyl Acetate
Concen: 7.007 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 51150

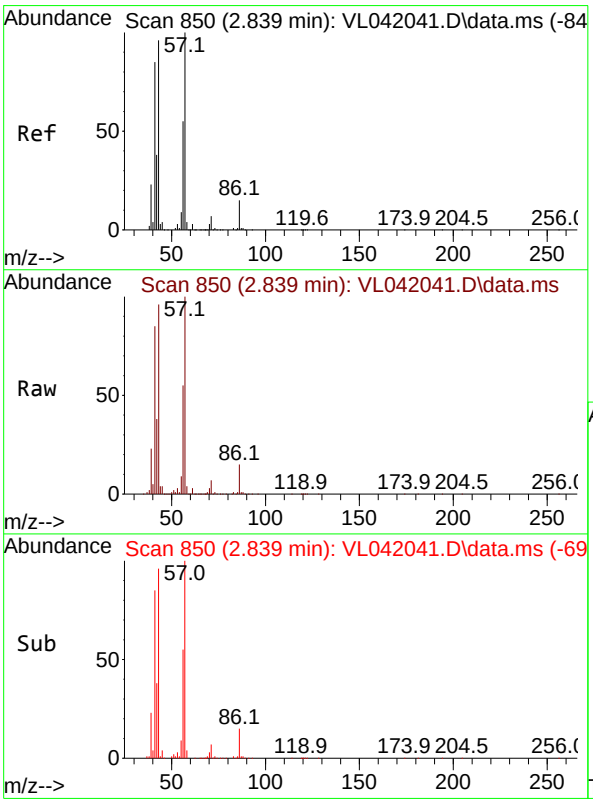
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.0	7.5	11.3
70	8.4	7.1	10.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

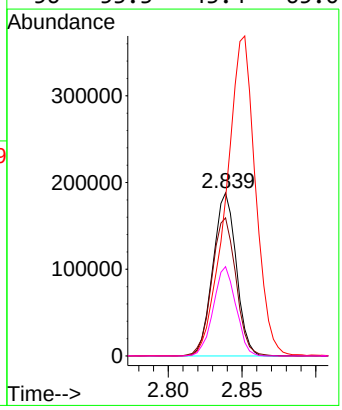
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

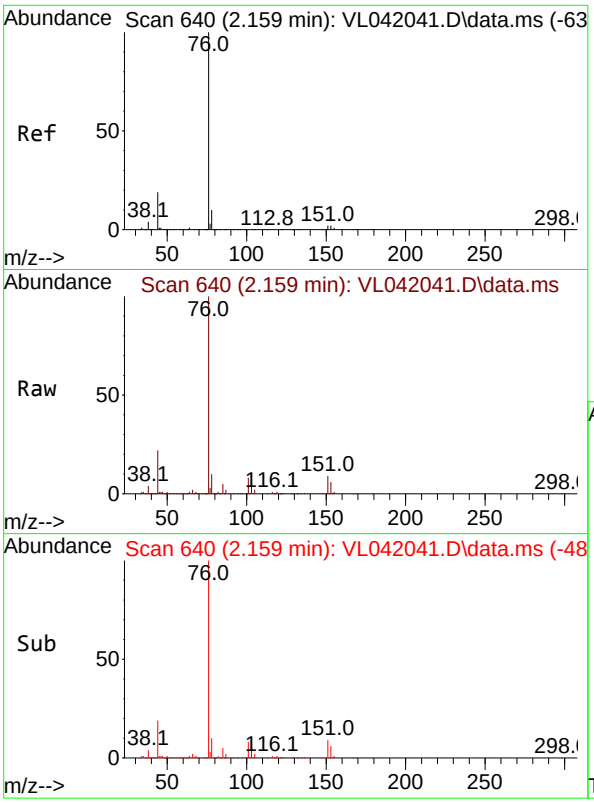


#26
Hexane
Concen: 7.052 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 57 Resp: 206577

Ion	Ratio	Lower	Upper
57	100		
41	88.3	73.2	109.8
43	249.2	200.8	301.2
56	53.3	43.4	65.0





#27
Carbon Disulfide
Concen: 5.008 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

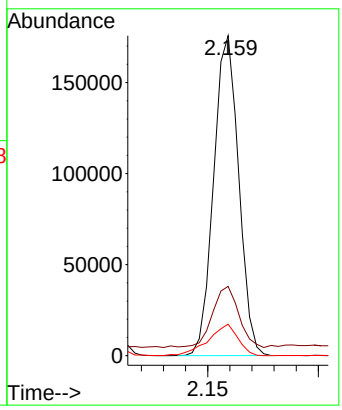
Tgt Ion: 76 Resp: 13797

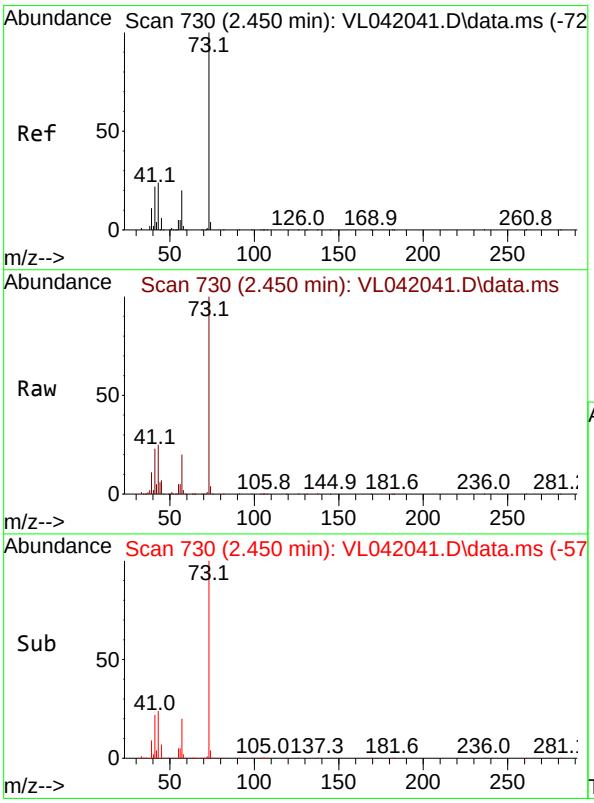
Ion	Ratio	Lower	Upper
76	100		
44	20.2	18.1	27.1
78	11.7	9.5	14.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

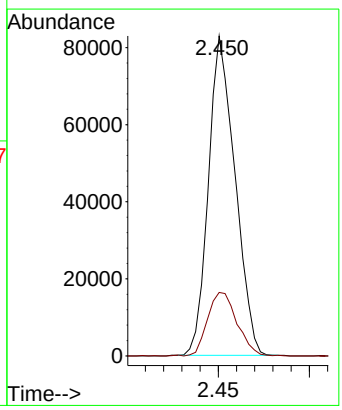


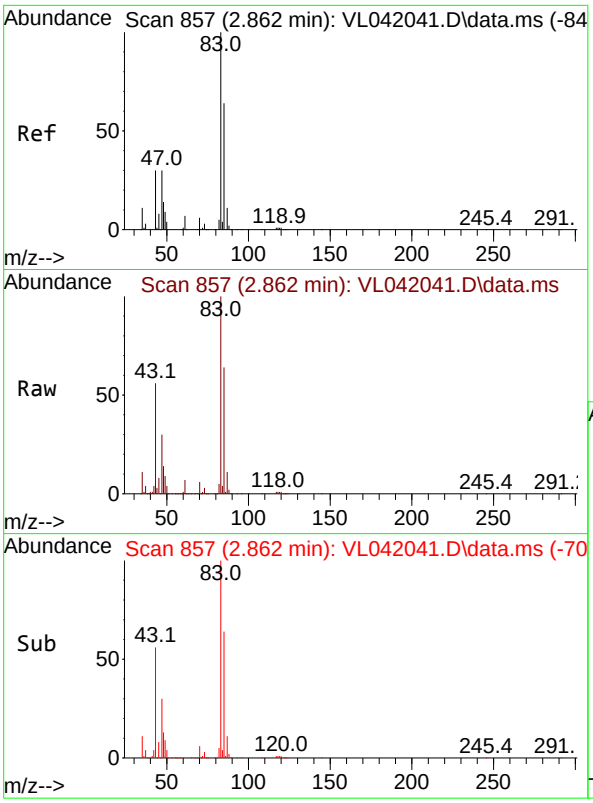


#28
Methyl tert-Butyl Ether
Concen: 4.696 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 73 Resp: 84091

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.3	27.5

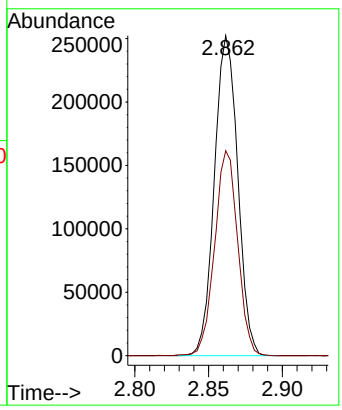




#29
Chloroform
Concen: 6.538 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 83 Resp: 27741

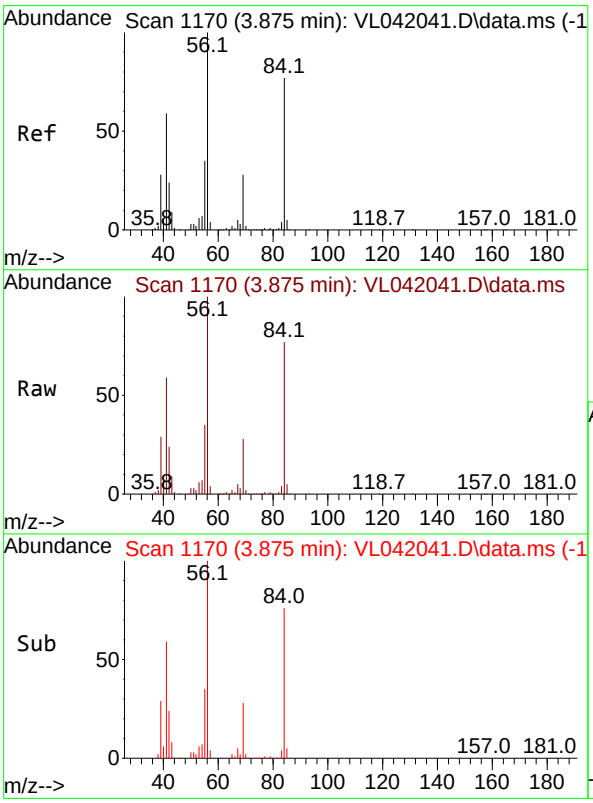
Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.8	80.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

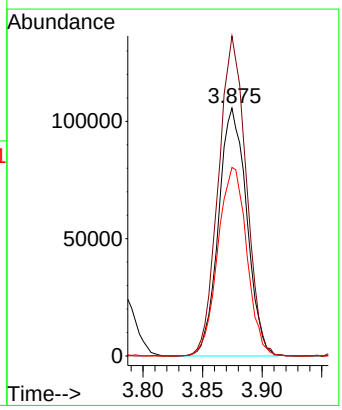
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

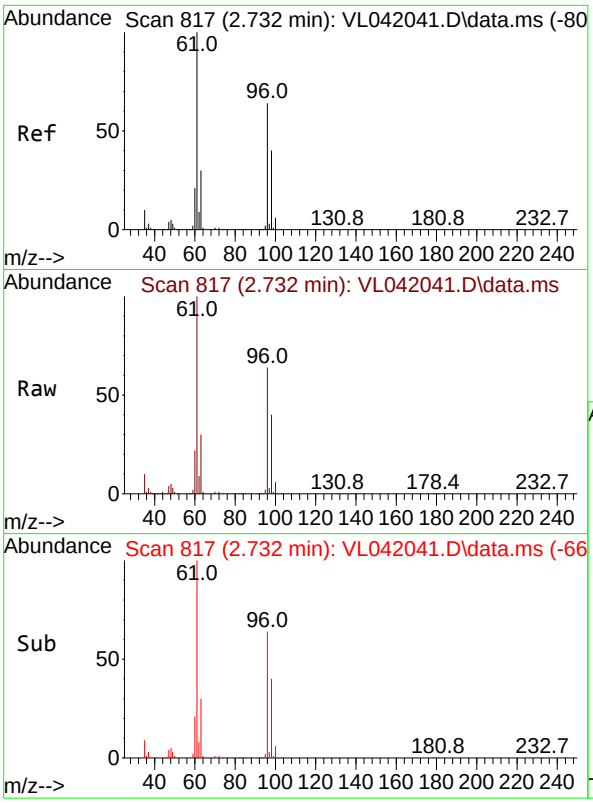


#30
Cyclohexane
Concen: 7.295 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 84 Resp: 173351

Ion	Ratio	Lower	Upper
84	100		
56	126.9	99.5	149.3
41	78.2	62.2	93.2

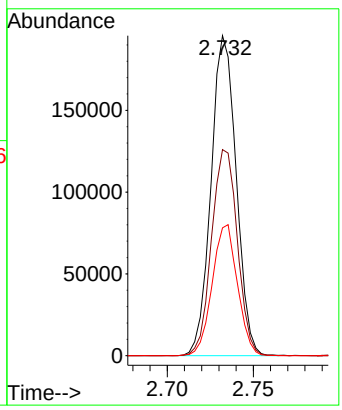




#31
cis-1,2-Dichloroethene
Concen: 6.886 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 61 Resp: 19935

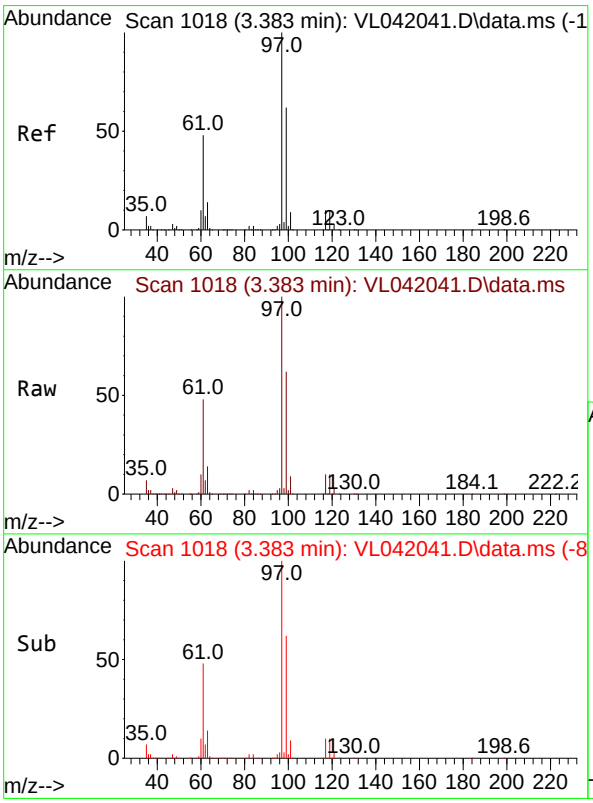
Ion	Ratio	Lower	Upper
61	100		
96	64.4	51.6	77.4
98	40.0	34.8	52.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

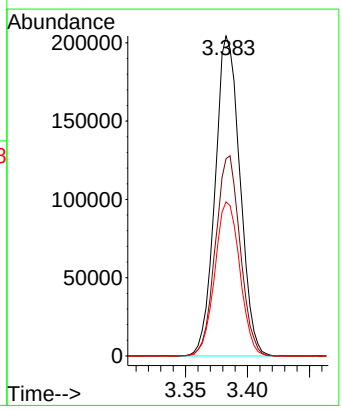
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

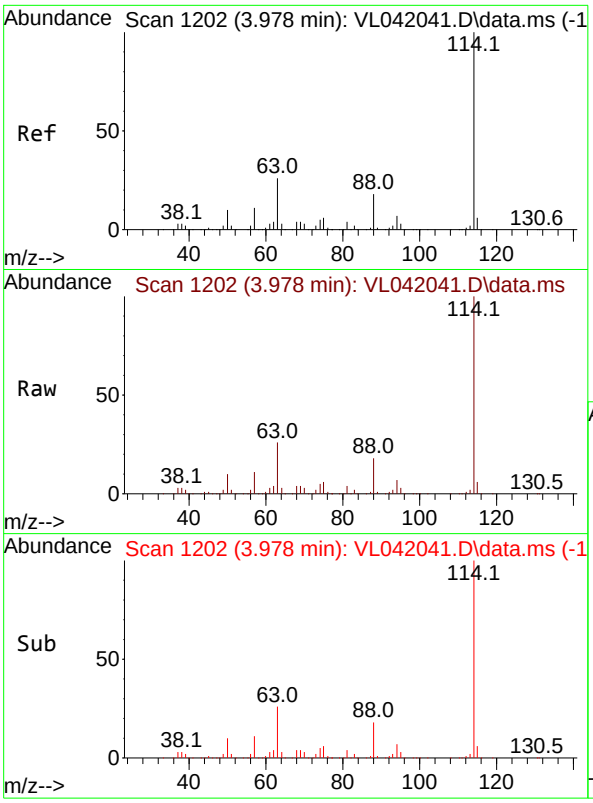


#32
1,1,1-Trichloroethane
Concen: 6.064 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 97 Resp: 285335

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.0	76.4
61	48.6	37.9	56.9

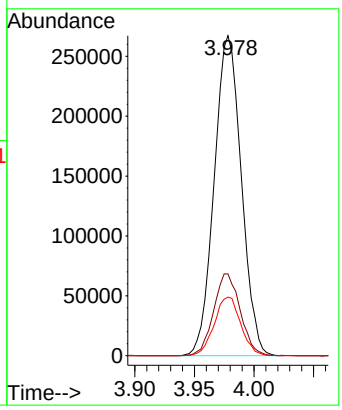




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:114 Resp: 42265

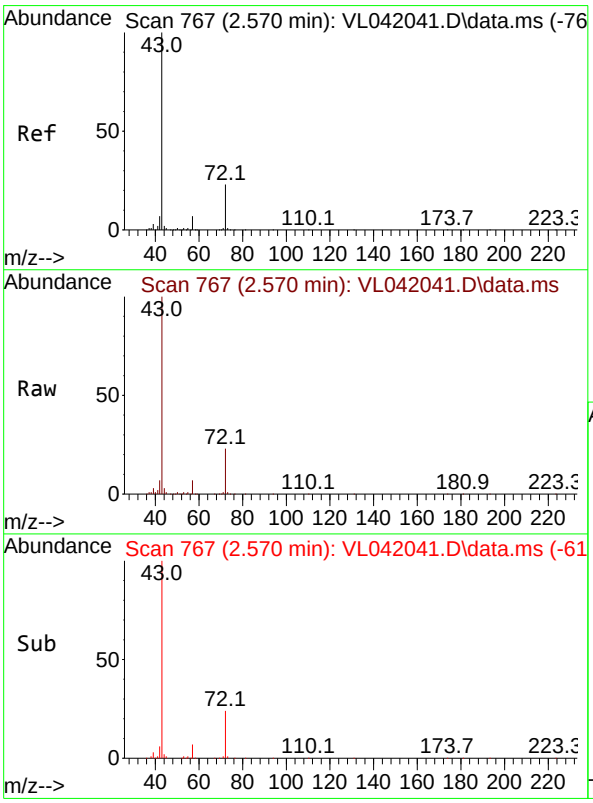
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.9	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

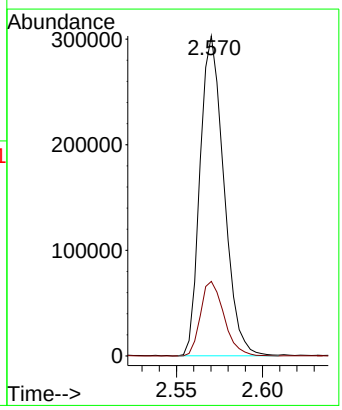
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

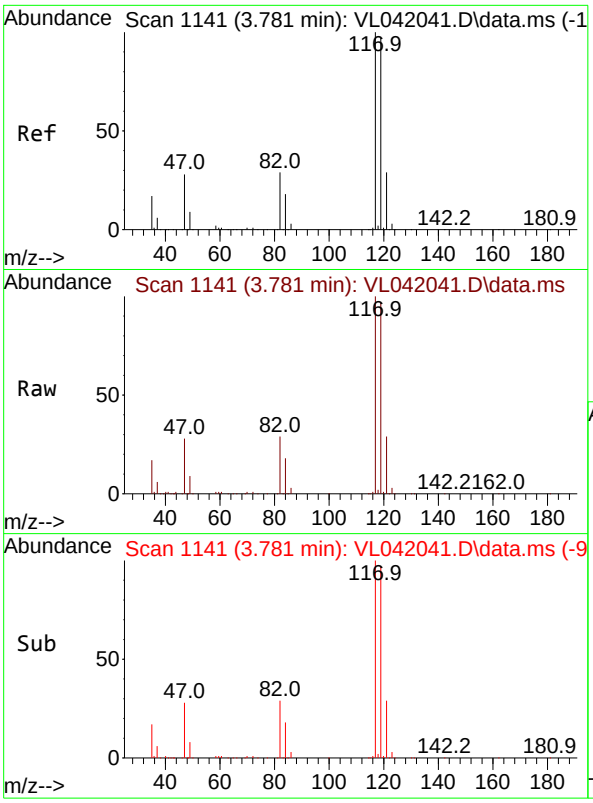


#34
2-Butanone
Concen: 8.043 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 292449

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.3	27.5

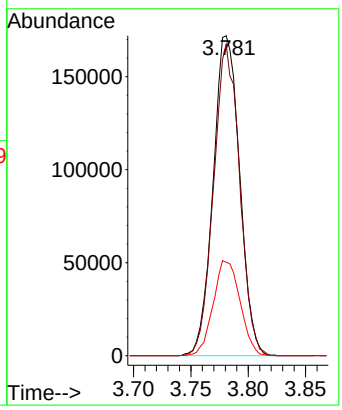




#35
Carbon Tetrachloride
Concen: 6.741 ppbv
RT: 3.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:117 Resp: 27667

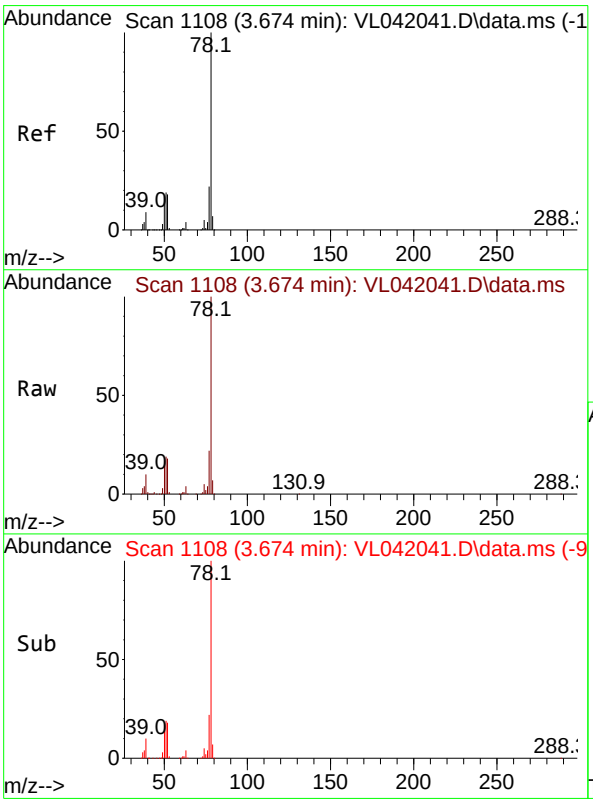
Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.8	113.6
121	29.2	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

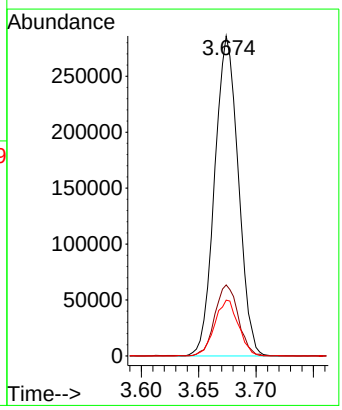
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

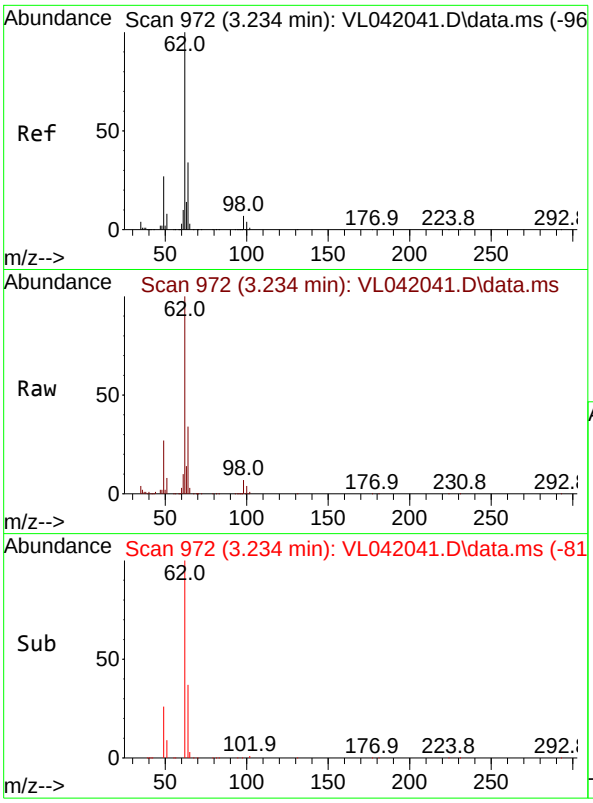


#36
Benzene
Concen: 7.999 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 78 Resp: 409501

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	17.4	15.2	22.8

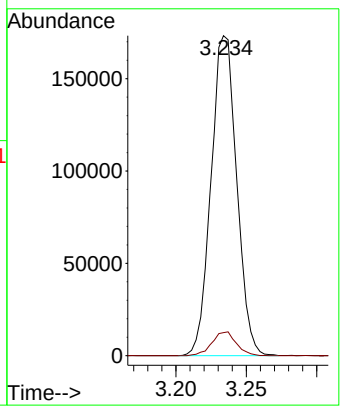




#37
1,2-Dichloroethane
Concen: 7.543 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 62 Resp: 21982

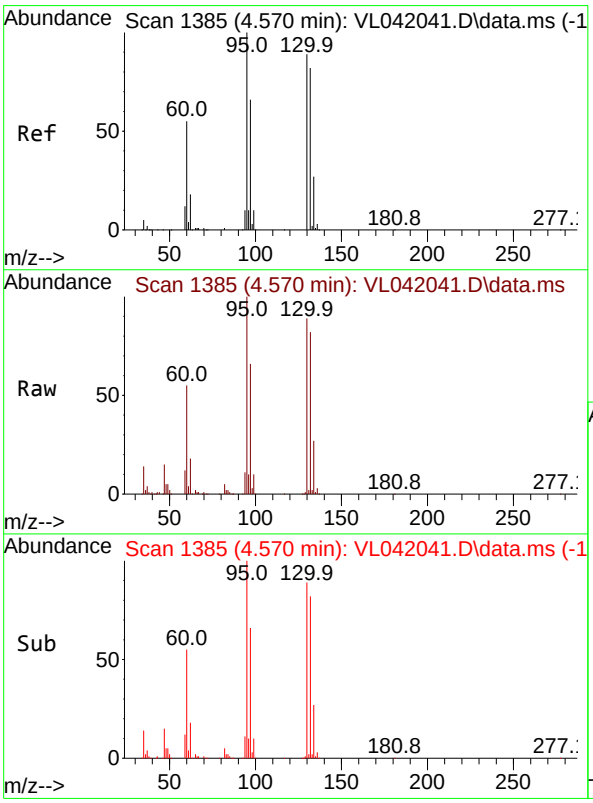
Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

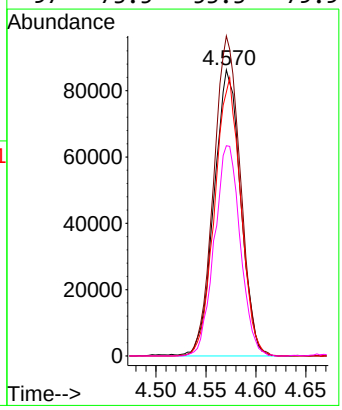
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

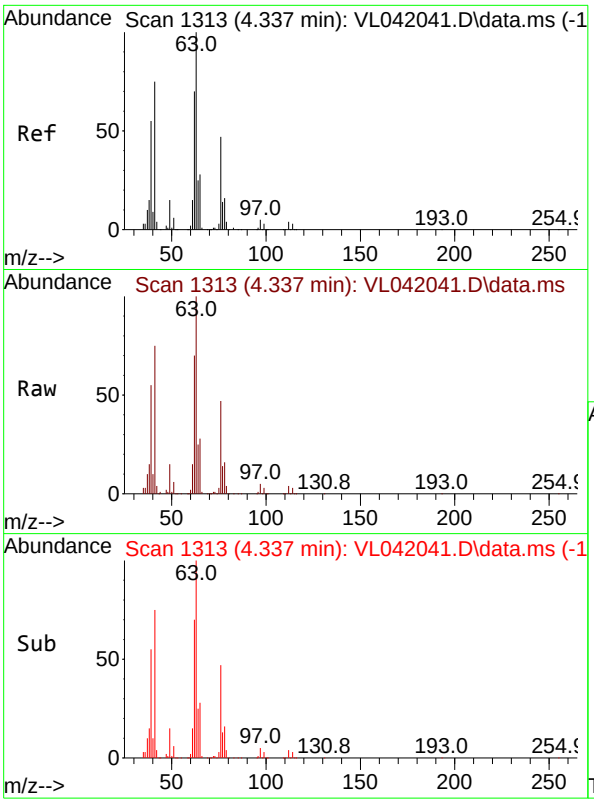


#38
Trichloroethene
Concen: 7.689 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:130 Resp: 159933

Ion	Ratio	Lower	Upper
130	100		
95	111.9	82.8	124.2
132	92.2	70.0	105.0
97	73.5	53.3	79.9

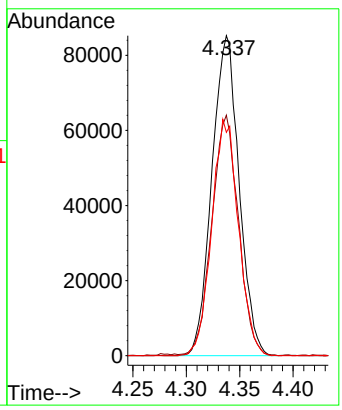




#39
1,2-Dichloropropane
Concen: 8.047 ppbv
RT: 4.337 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 63 Resp: 15103

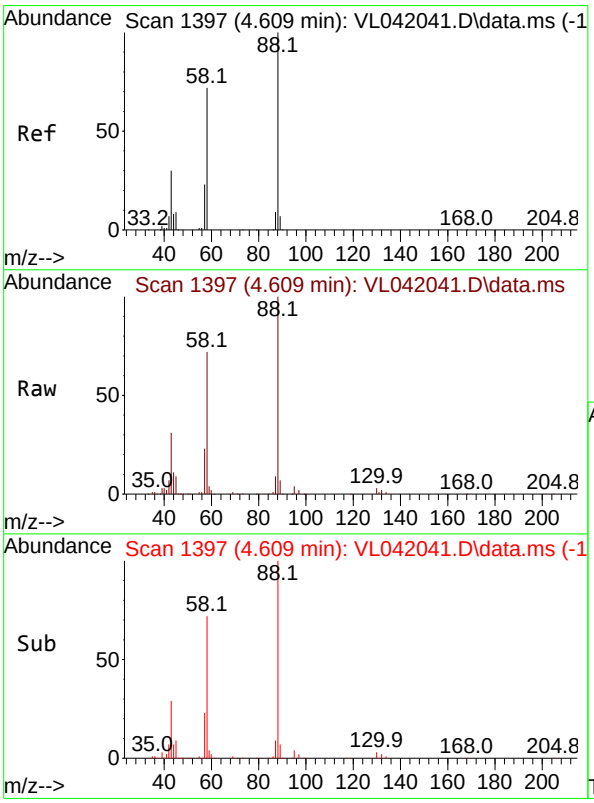
Ion	Ratio	Lower	Upper
63	100		
41	75.1	60.1	90.1
62	69.8	54.0	81.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

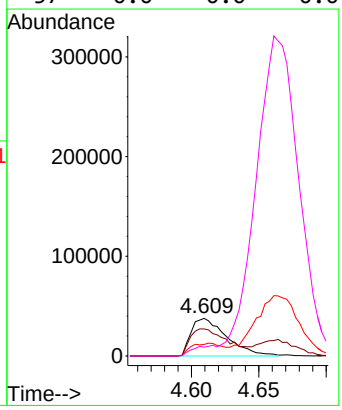
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

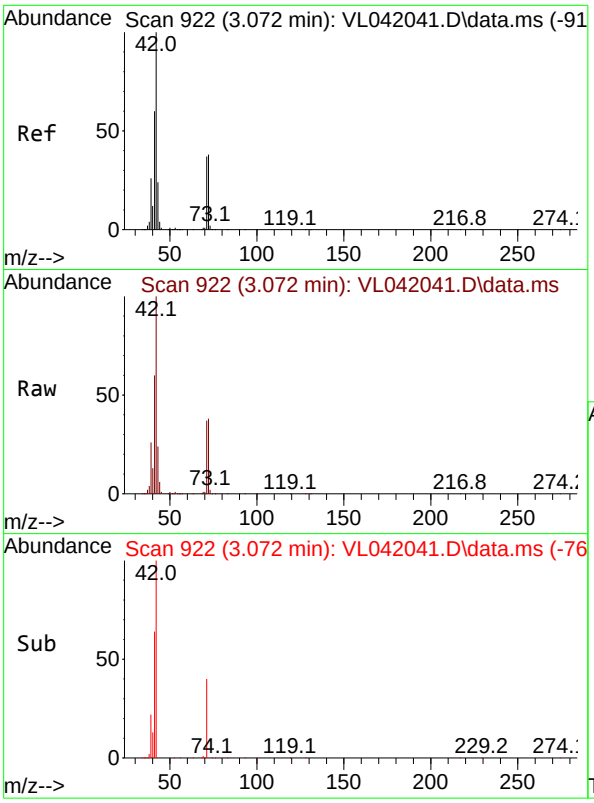


#40
1,4-Dioxane
Concen: 7.105 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 88 Resp: 69399

Ion	Ratio	Lower	Upper
88	100		
58	78.3	58.1	87.1
43	0.0	27.3	40.9#
57	0.0	0.0	0.0

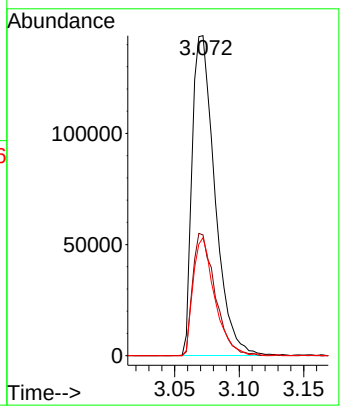




#41
Tetrahydrofuran
Concen: 8.509 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 42 Resp: 17683

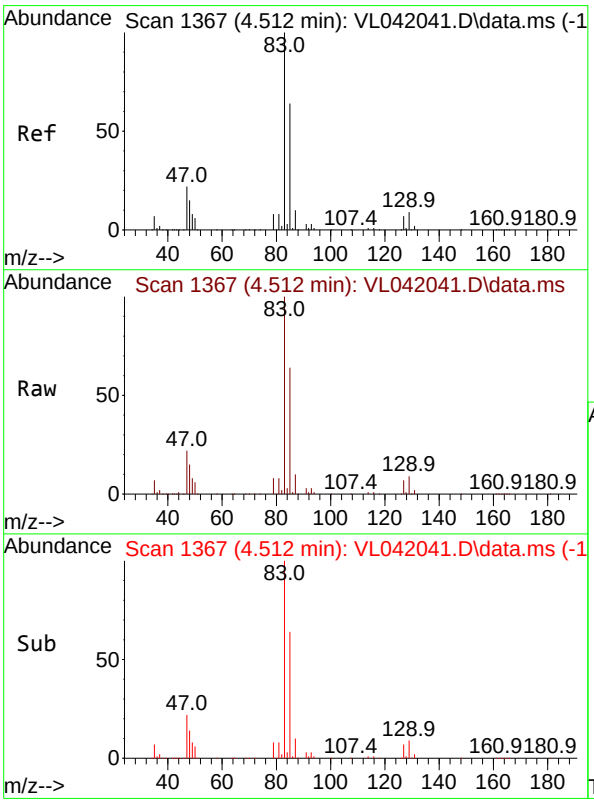
Ion	Ratio	Lower	Upper
42	100		
72	37.7	32.3	48.5
71	35.3	30.9	46.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

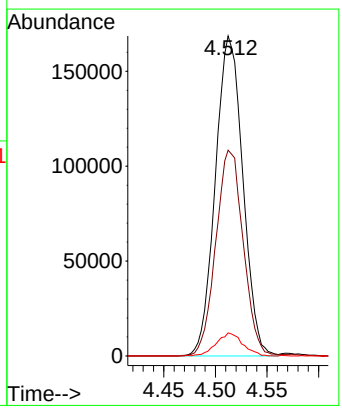
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

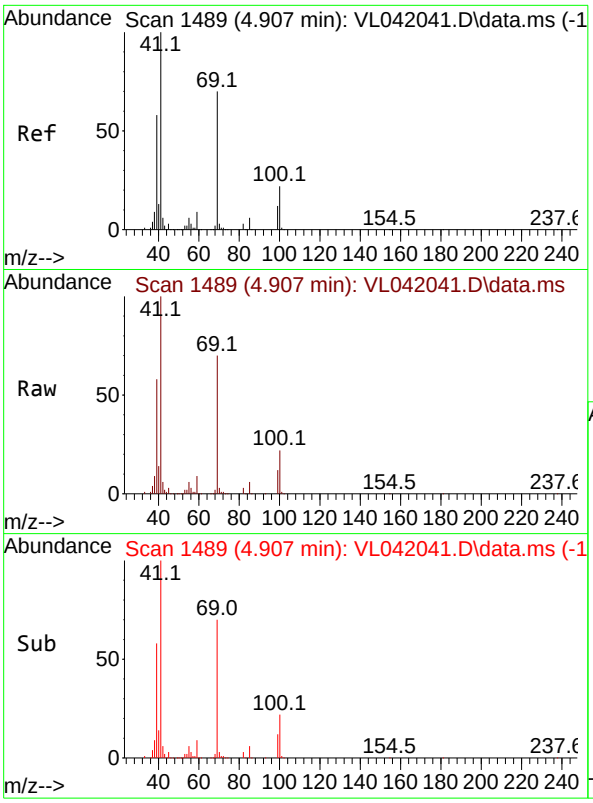


#42
Bromodichloromethane
Concen: 7.908 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 83 Resp: 312250

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.3	79.9
127	7.2	6.0	9.0

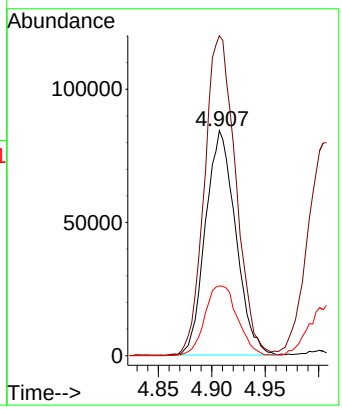




#43
Methyl Methacrylate
Concen: 7.091 ppbv
RT: 4.907 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 69 Resp: 16549

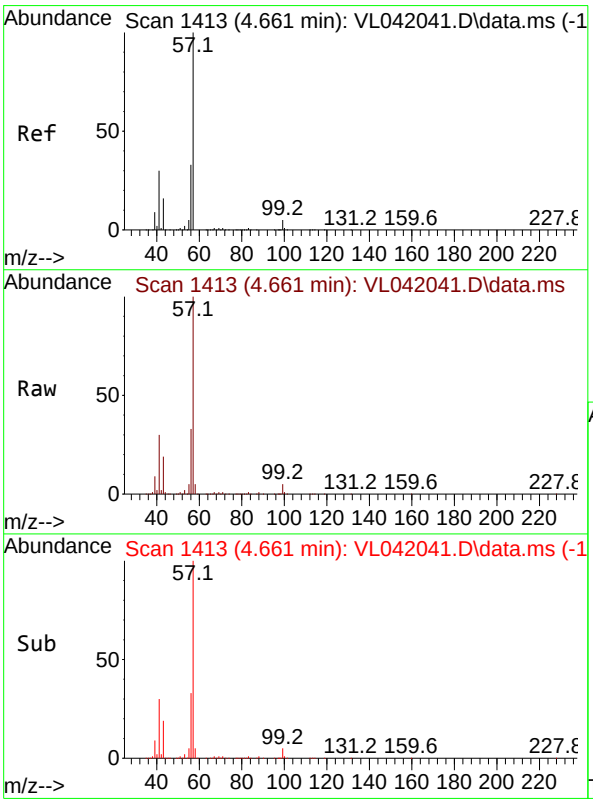
Ion	Ratio	Lower	Upper
69	100		
41	147.8	114.9	172.3
100	33.7	28.8	43.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

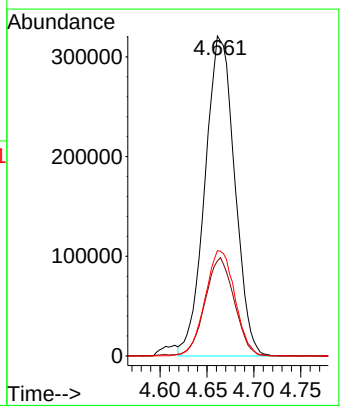
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

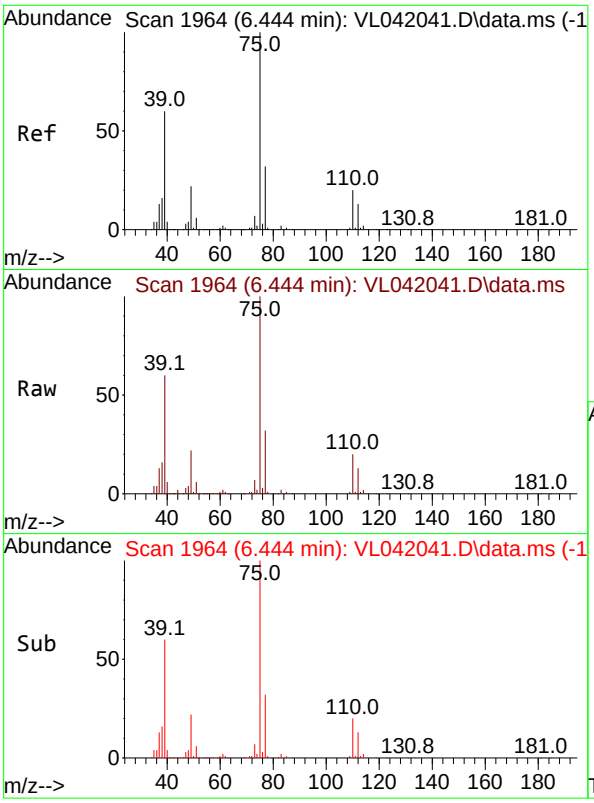


#44
2,2,4-Trimethylpentane
Concen: 8.122 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 57 Resp: 705920

Ion	Ratio	Lower	Upper
57	100		
41	30.5	25.9	38.9
56	33.1	24.9	37.3

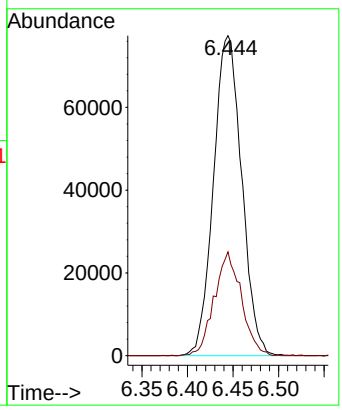




#45
t-1,3-Dichloropropene
Concen: 7.544 ppbv
RT: 6.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 75 Resp: 16620

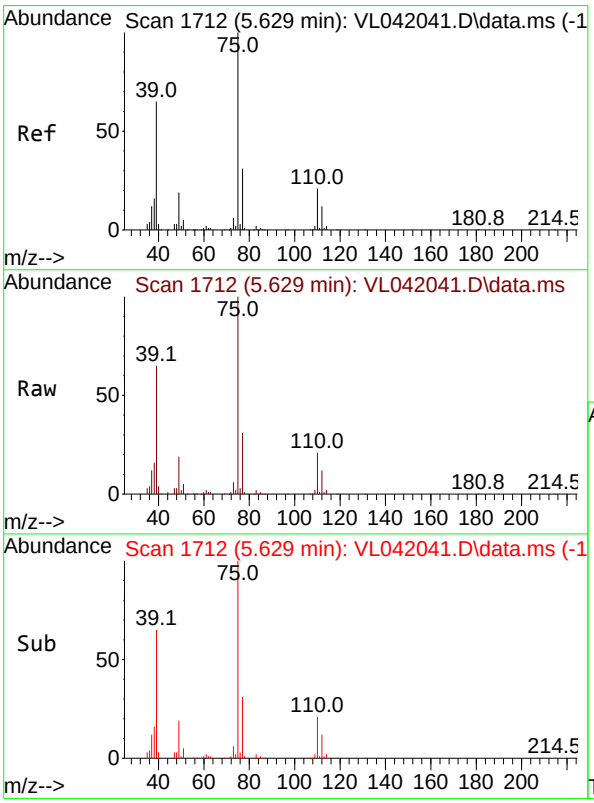
Ion	Ratio	Lower	Upper
75	100		
77	32.4	22.1	33.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

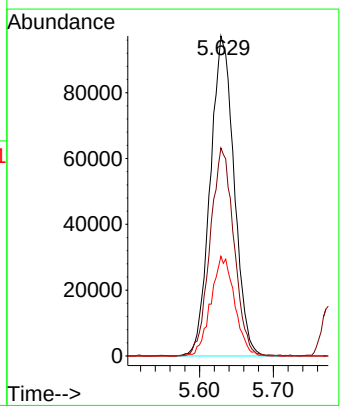
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

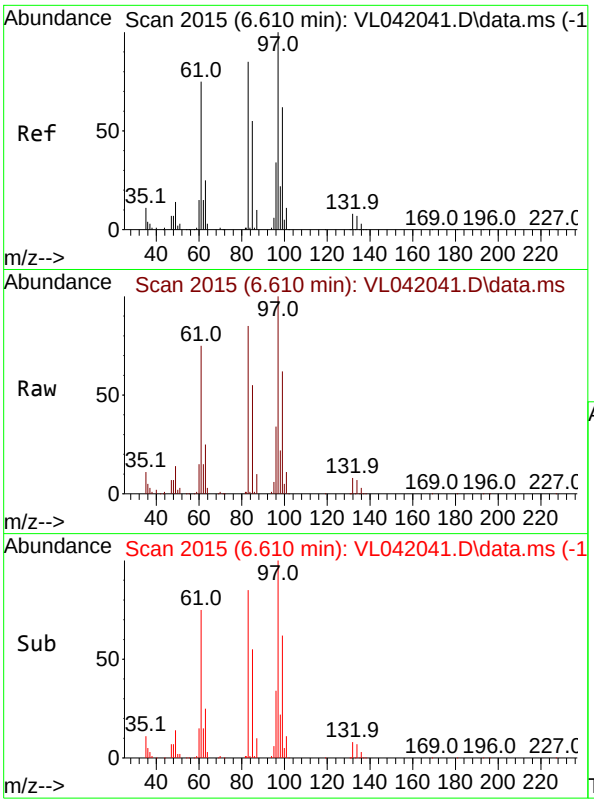


#46
cis-1,3-Dichloropropene
Concen: 7.809 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 75 Resp: 218294

Ion	Ratio	Lower	Upper
75	100		
39	64.9	52.2	78.4
77	31.1	24.5	36.7

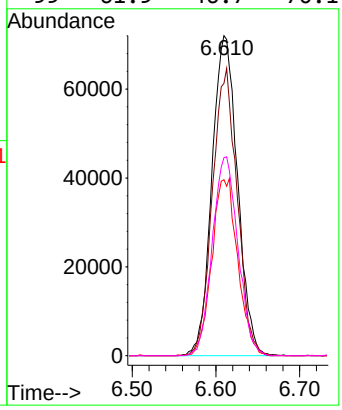




#47
1,1,2-Trichloroethane
Concen: 7.723 ppbv
RT: 6.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 97 Resp: 15255

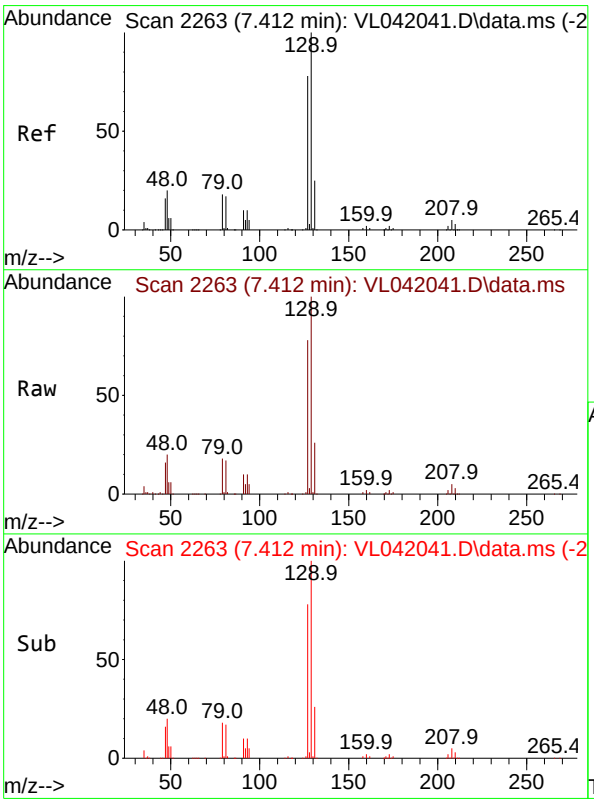
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.6	102.8
85	55.0	42.2	63.4
99	61.9	46.7	70.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

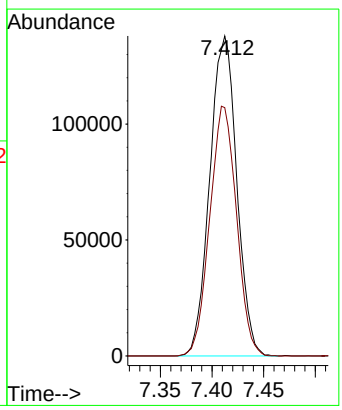
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

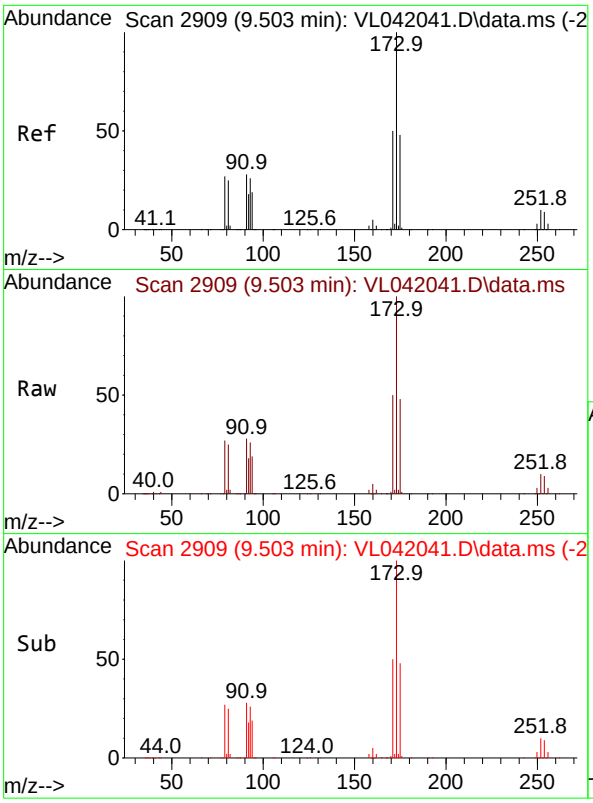


#48
Dibromochloromethane
Concen: 7.593 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:129 Resp: 251213

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6

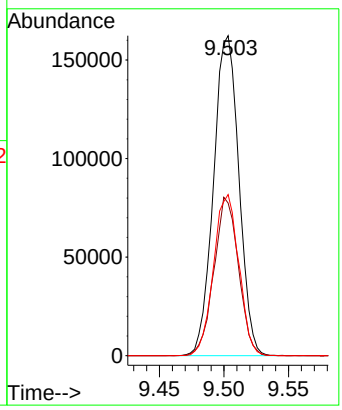




#49
Bromoform
Concen: 8.183 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:173 Resp: 22205

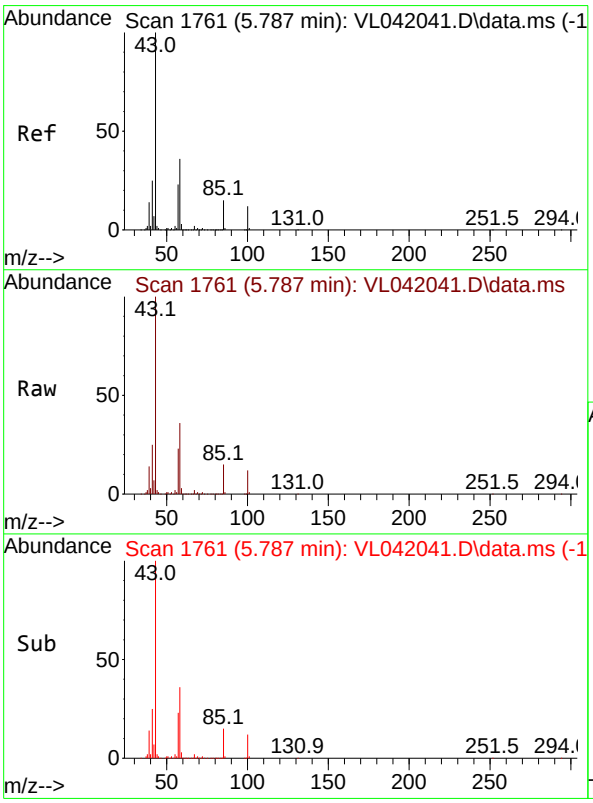
Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.3	58.9
171	50.2	41.4	62.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

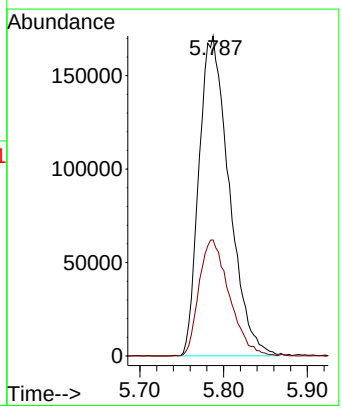
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

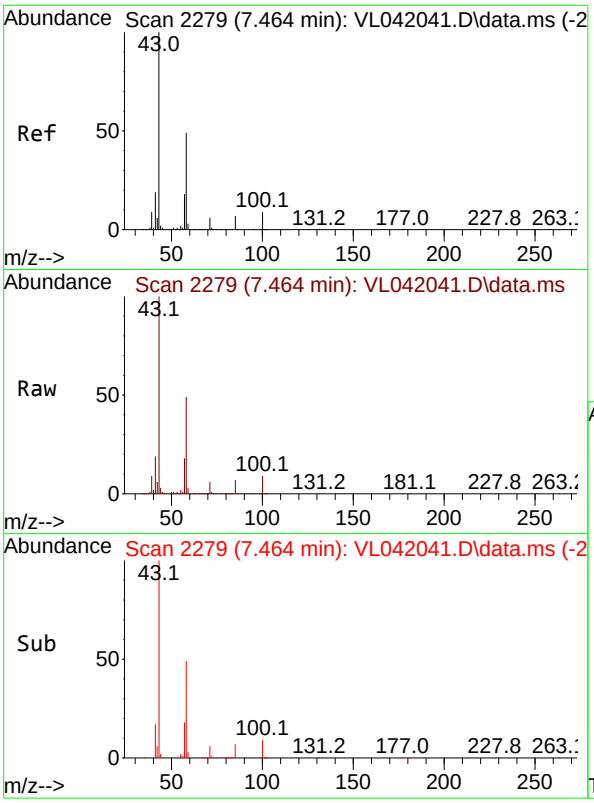


#50
4-Methyl-2-Pentanone
Concen: 7.666 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 428434

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0

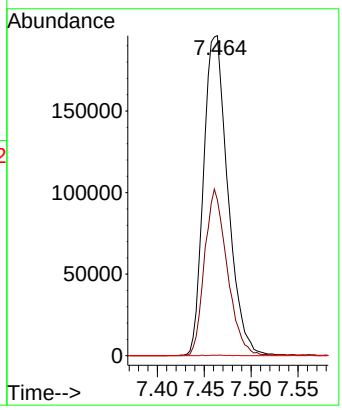




#51
2-Hexanone
Concen: 7.709 ppbv
RT: 7.464 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 35233

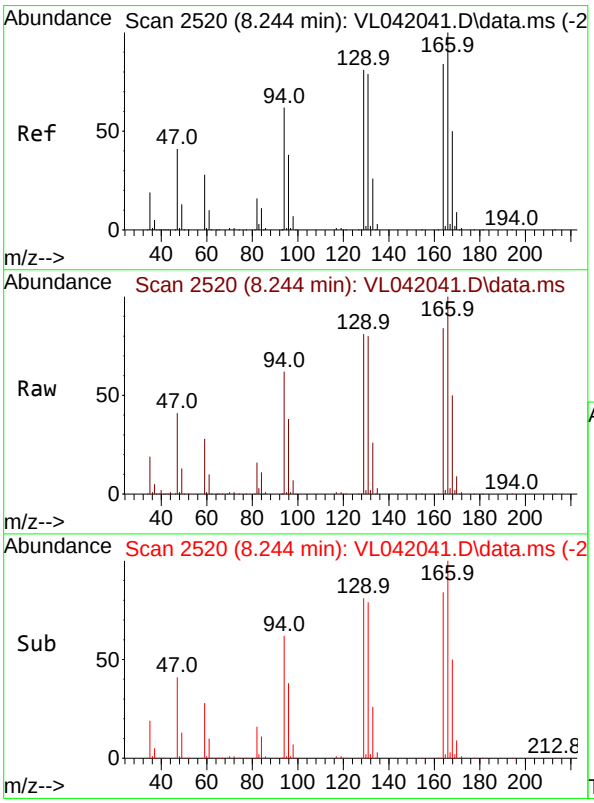
Ion	Ratio	Lower	Upper
43	100		
58	48.8	41.4	62.0
98	0.1	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

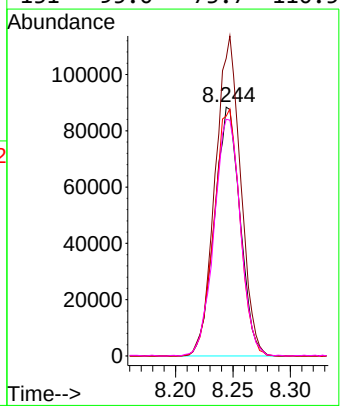
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

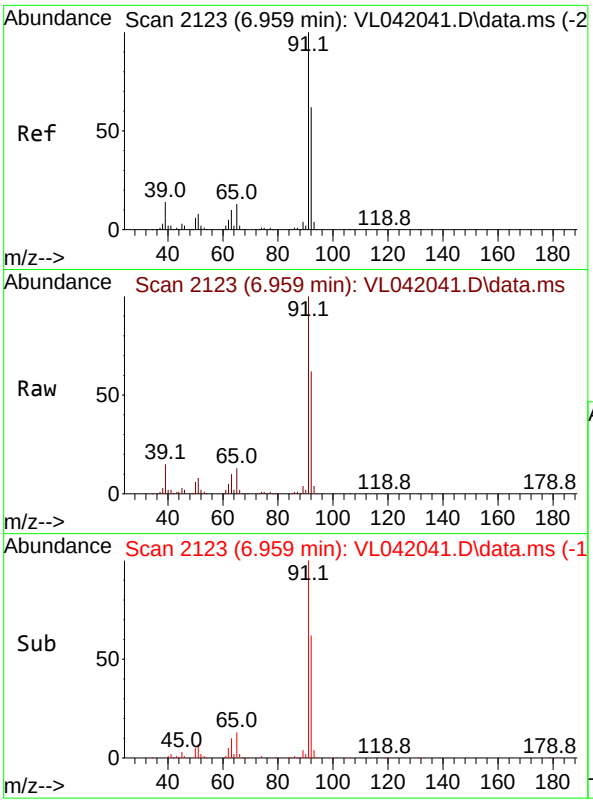


#52
Tetrachloroethene
Concen: 7.743 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:164 Resp: 138263

Ion	Ratio	Lower	Upper
164	100		
166	119.6	102.2	153.2
129	96.4	82.2	123.4
131	95.0	73.7	110.5

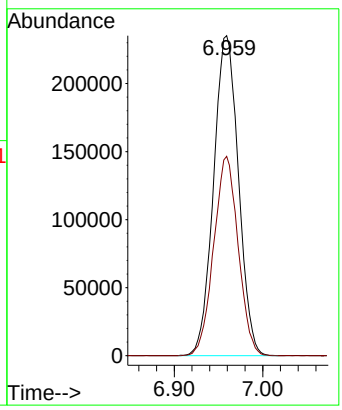




#53
Toluene
Concen: 7.541 ppbv
RT: 6.959 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 46004

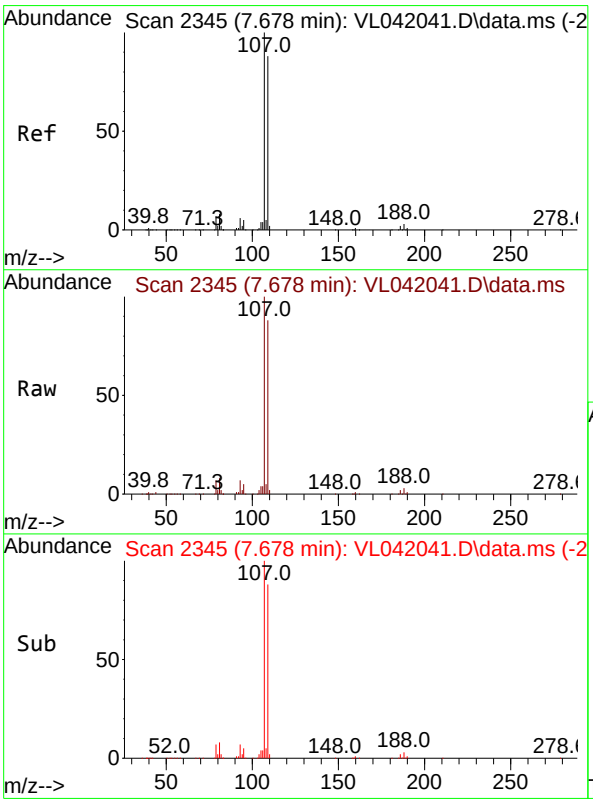
Ion	Ratio	Lower	Upper
91	100		
92	61.3	47.5	71.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

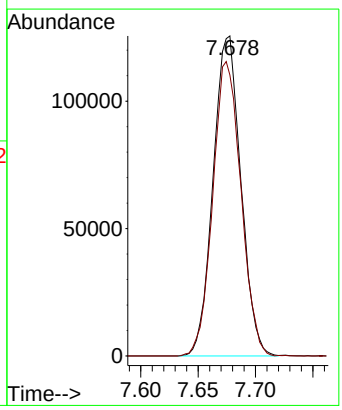
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

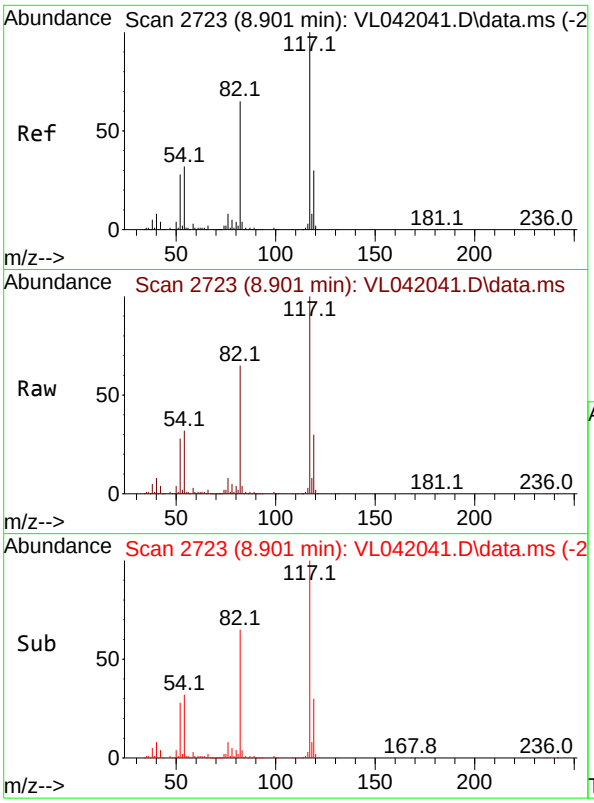


#54
1,2-Dibromoethane
Concen: 7.772 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:107 Resp: 211395

Ion	Ratio	Lower	Upper
107	100		
109	87.8	71.5	107.3

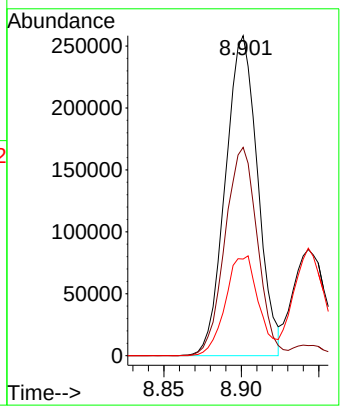




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:117 Resp: 37424

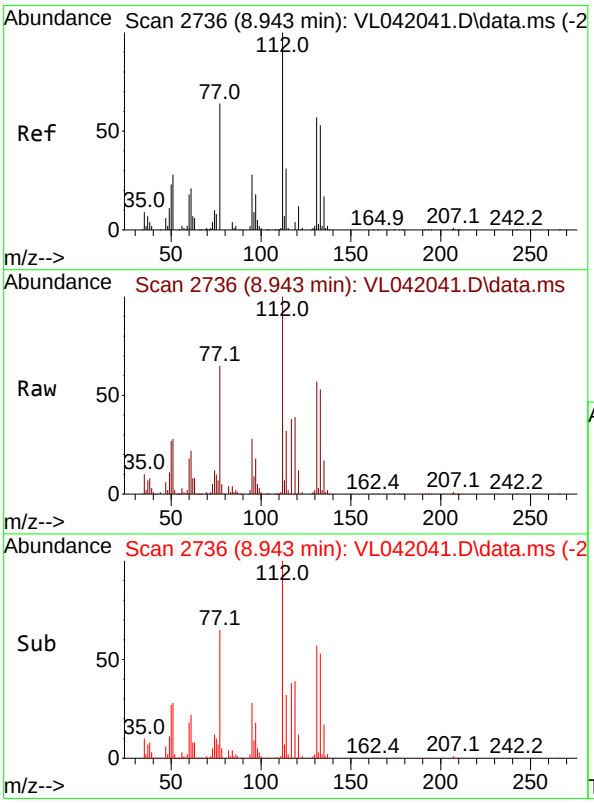
Ion	Ratio	Lower	Upper
117	100		
82	68.8	55.7	83.5
119	32.4	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

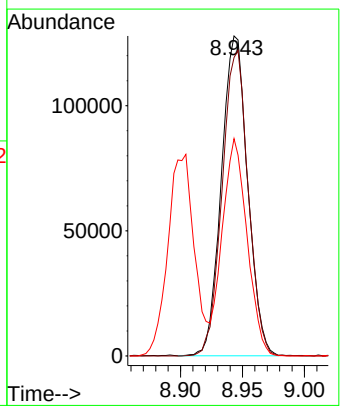
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

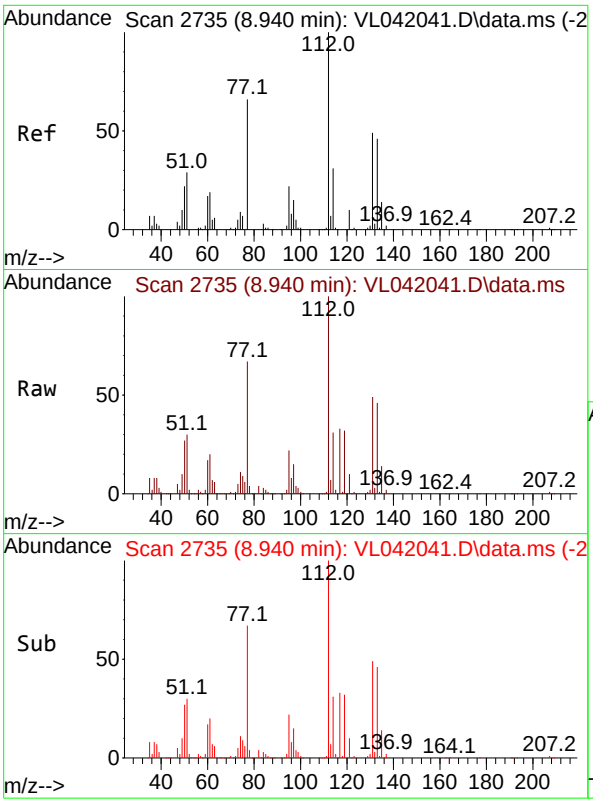


#56
1,1,1,2-Tetrachloroethane
Concen: 7.049 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:131 Resp: 188811

Ion	Ratio	Lower	Upper
131	100		
133	94.8	77.8	116.8
119	65.1	49.1	73.7

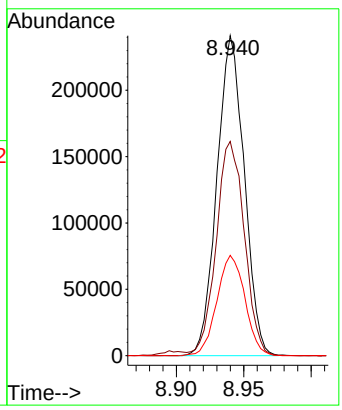




#57
Chlorobenzene
Concen: 7.735 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:112 Resp: 34052

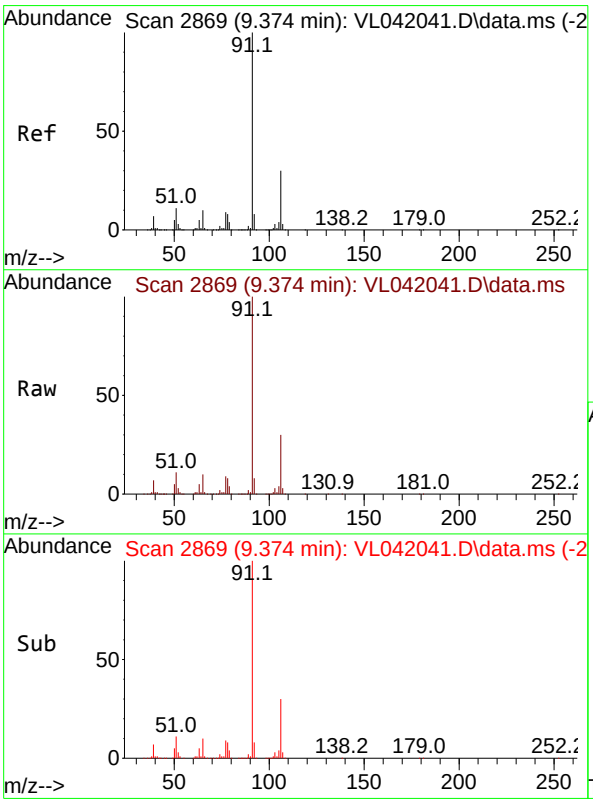
Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.2	84.2
114	31.4	28.2	34.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

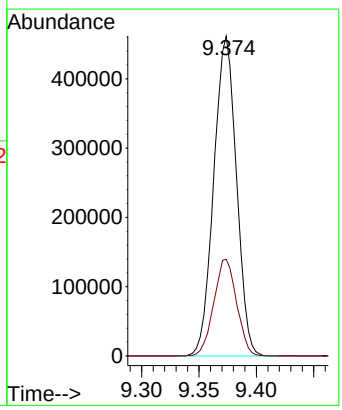
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

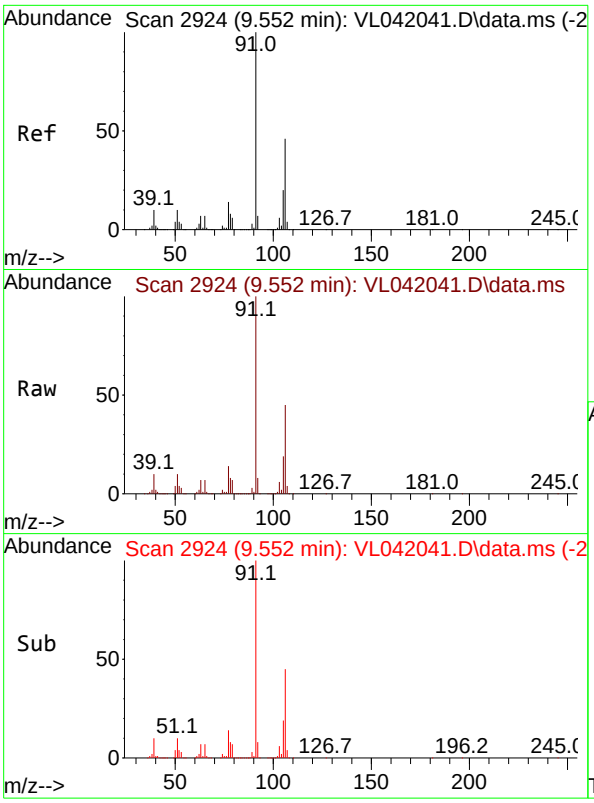


#58
Ethyl Benzene
Concen: 7.739 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 633939

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.1	34.7

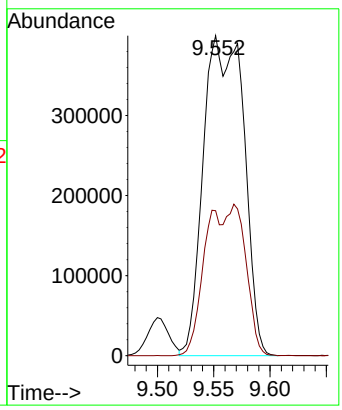




#59
m/p-Xylene
Concen: 15.427 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 99525

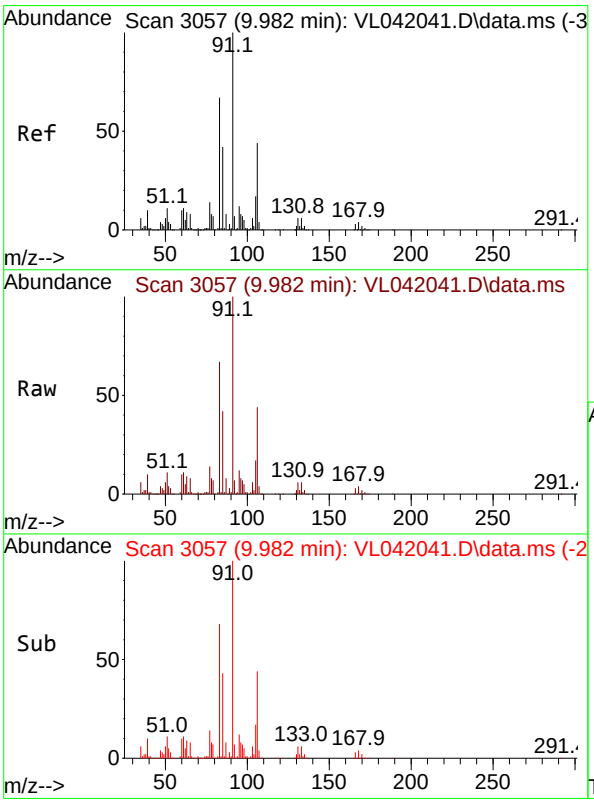
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

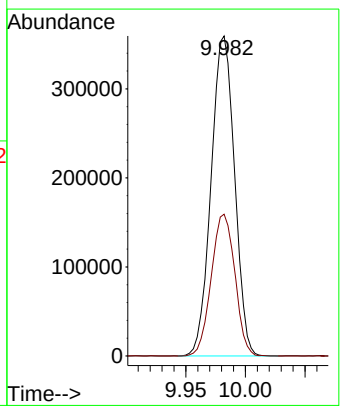
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

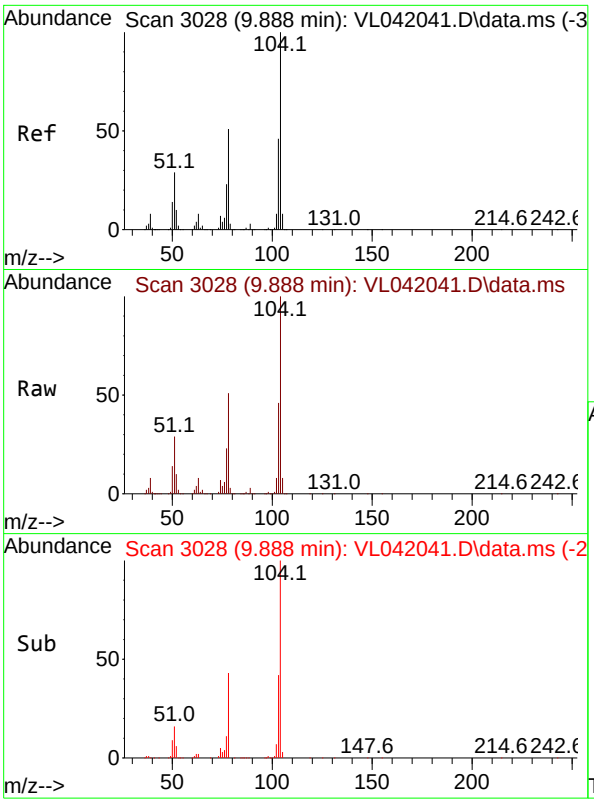


#60
o-Xylene
Concen: 7.557 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 493069

Ion	Ratio	Lower	Upper
91	100		
106	44.5	21.4	64.3

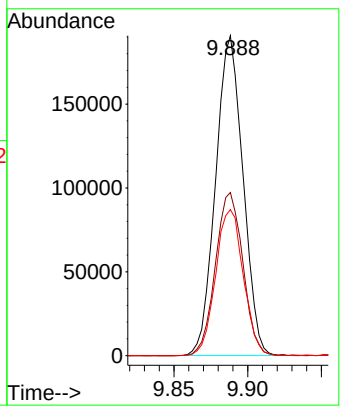




#61
Styrene
Concen: 7.912 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:104 Resp: 24616

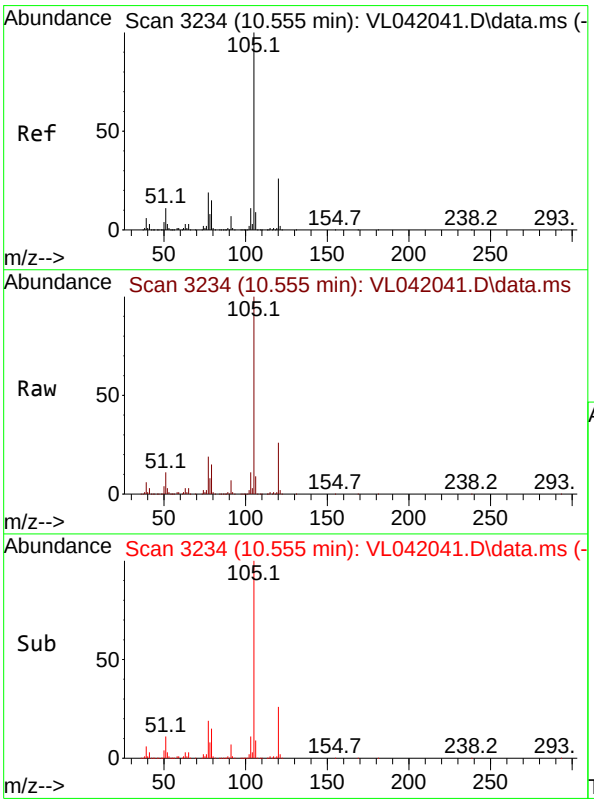
Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.2	63.4
103	46.3	38.1	57.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

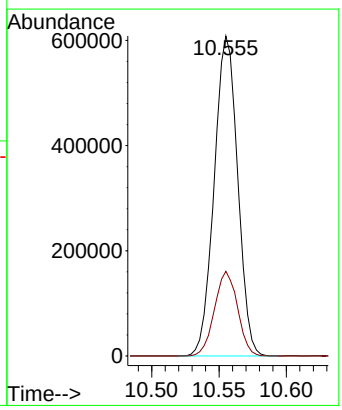
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

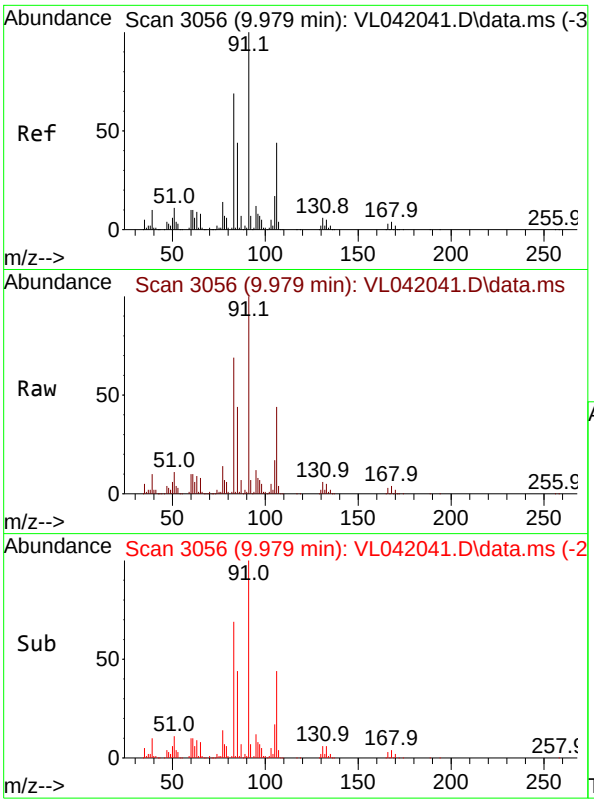


#62
Isopropylbenzene
Concen: 7.522 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 736884

Ion	Ratio	Lower	Upper
105	100		
120	25.9	19.8	29.8

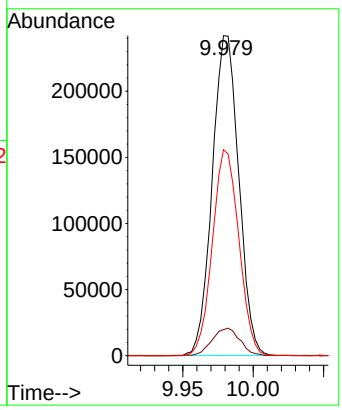




#63
1,1,2,2-Tetrachloroethane
Concen: 7.538 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 83 Resp: 31731

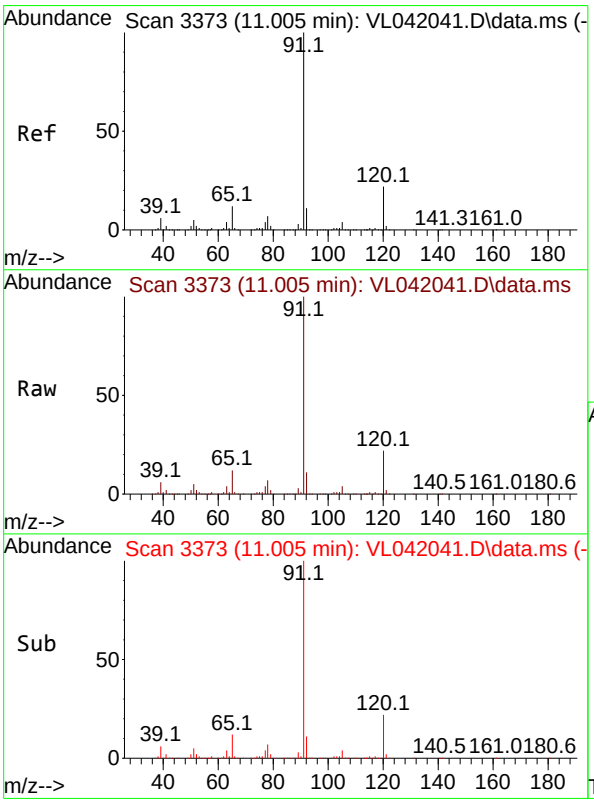
Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.0	15.0
85	64.2	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

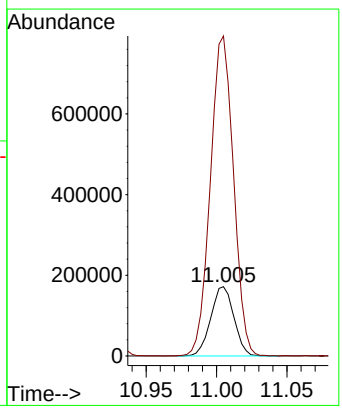
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

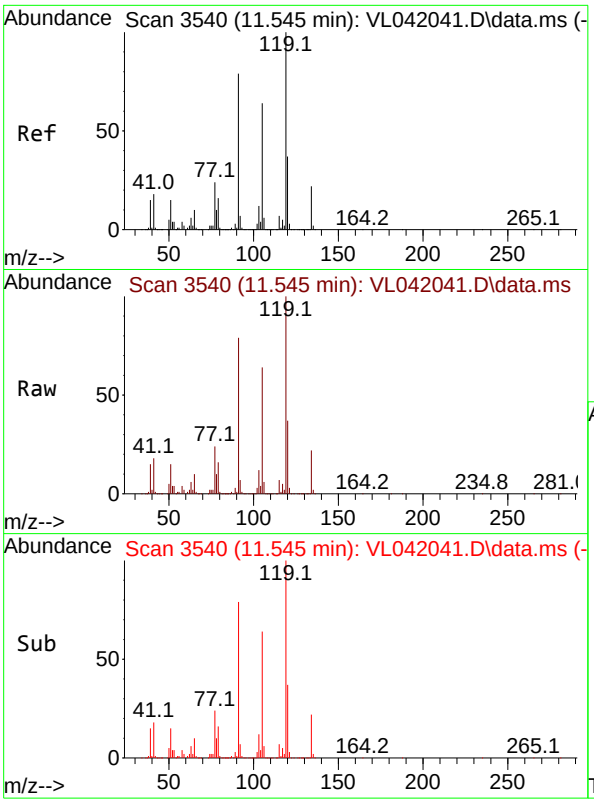


#64
n-propylbenzene
Concen: 8.145 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:120 Resp: 196044

Ion	Ratio	Lower	Upper
120	100		
91	463.3	392.2	588.2





#65
tert-Butylbenzene
Concen: 7.596 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

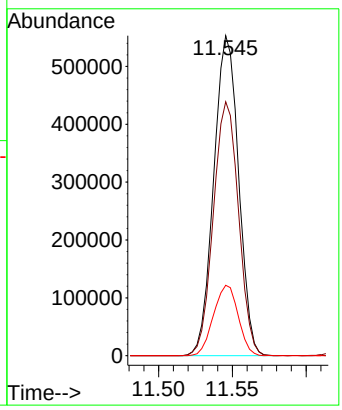
Tgt Ion:119 Resp: 64869

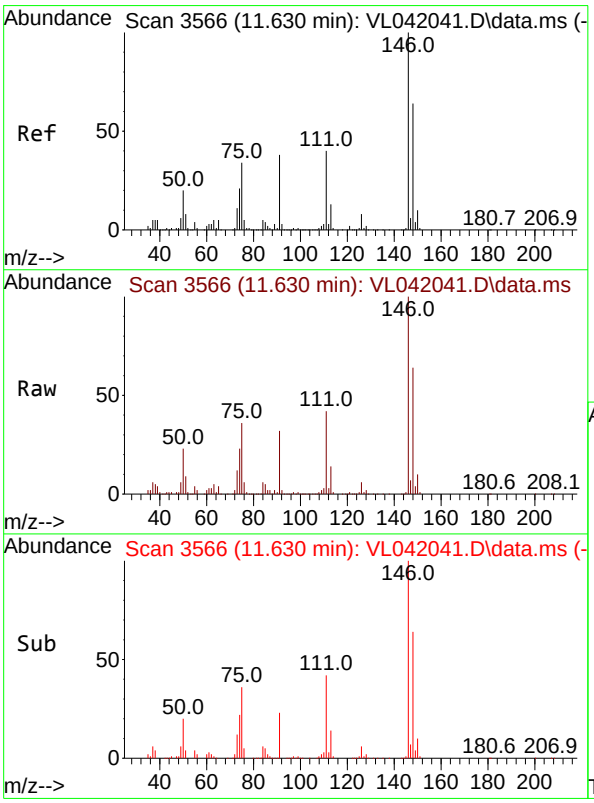
Ion	Ratio	Lower	Upper
119	100		
91	80.2	66.5	99.7
134	21.8	16.6	24.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

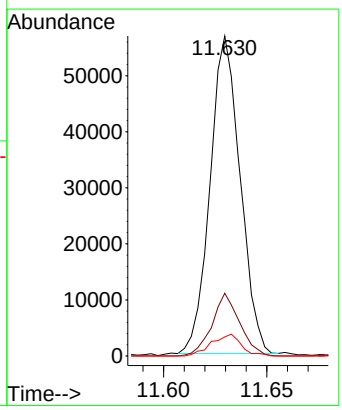


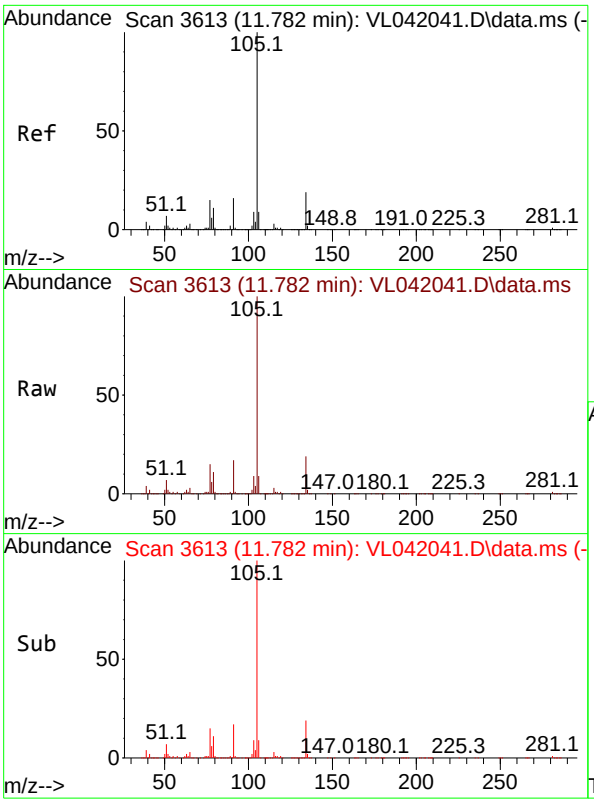


#66
Benzyl Chloride
Concen: 6.699 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 57345

Ion	Ratio	Lower	Upper
91	100		
126	18.1	13.8	20.6
128	6.8	4.1	6.1#





#67
sec-Butylbenzene
Concen: 7.744 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

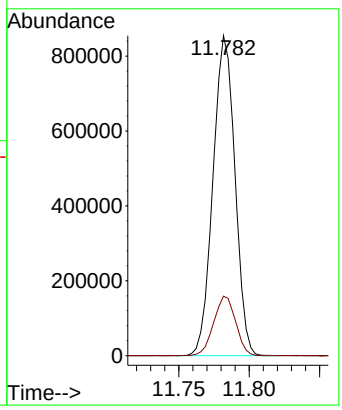
Tgt Ion:105 Resp: 92886

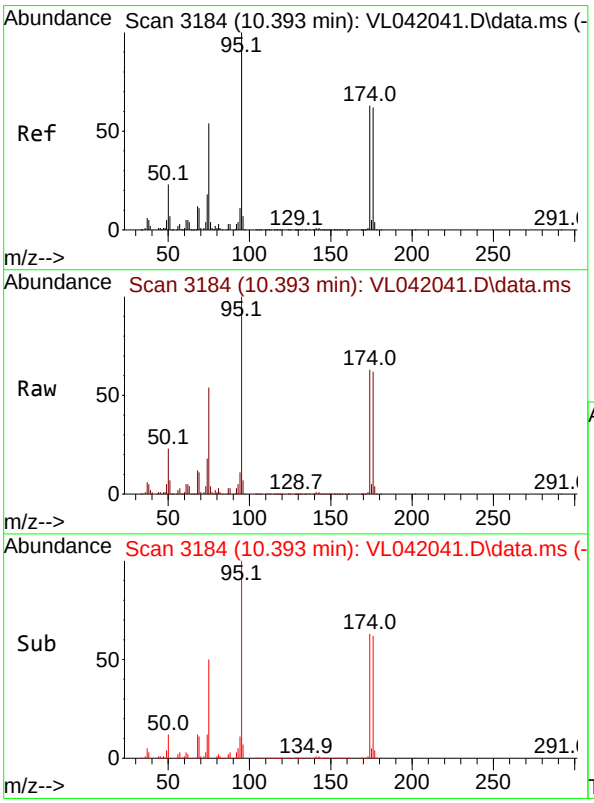
Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.7	22.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

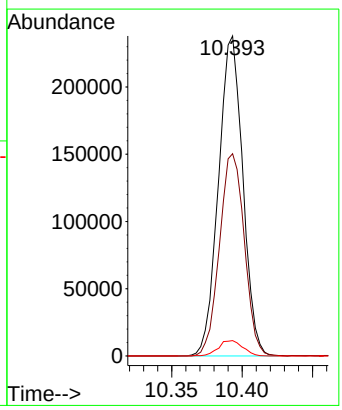


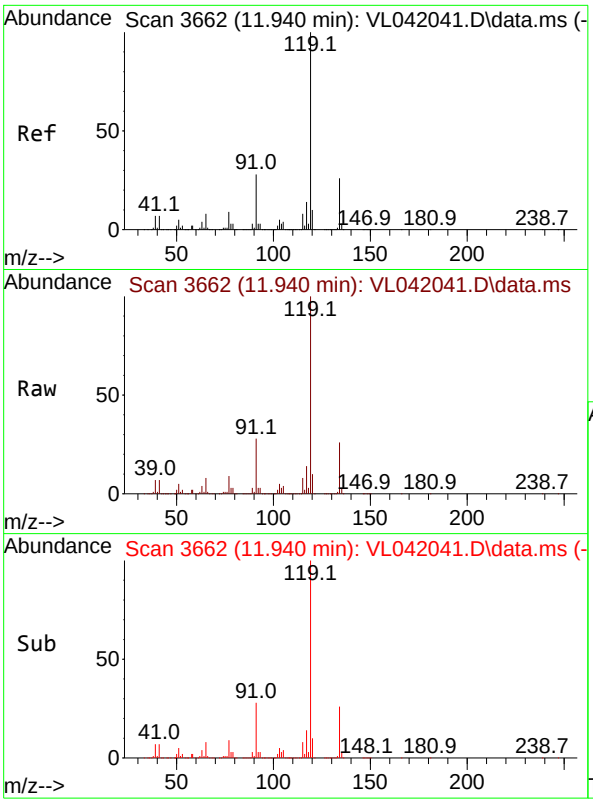


#68
1-Bromo-4-Fluorobenzene
Concen: 9.263 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 95 Resp: 285943

Ion	Ratio	Lower	Upper
95	100		
174	64.7	46.7	70.1
175	4.9	3.7	5.5

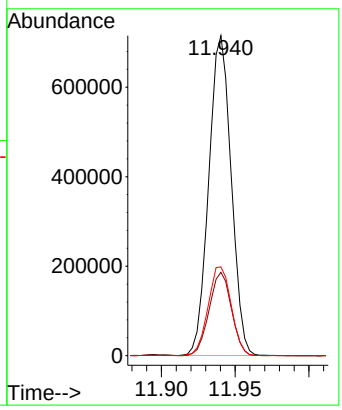




#69
p-Isopropyltoluene
Concen: 7.702 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:119 Resp: 75626

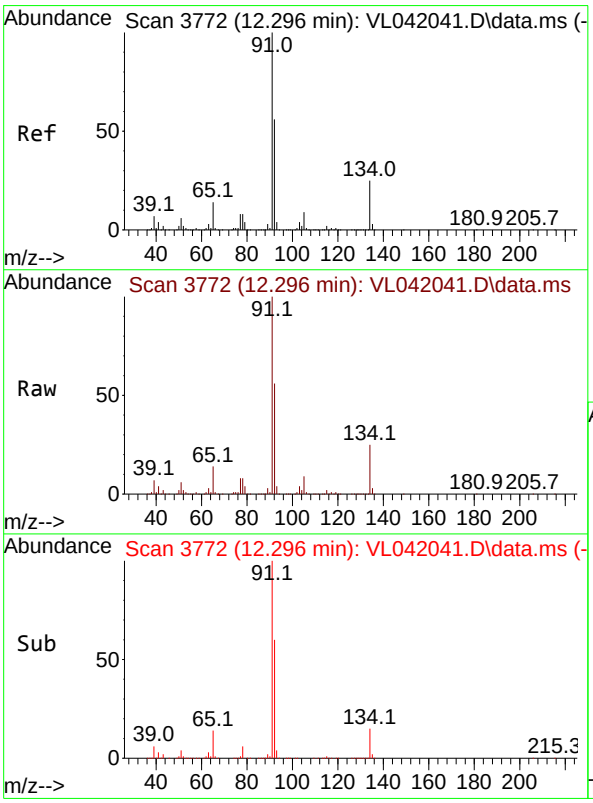
Ion	Ratio	Lower	Upper
119	100		
134	26.1	19.4	29.0
91	28.9	23.4	35.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

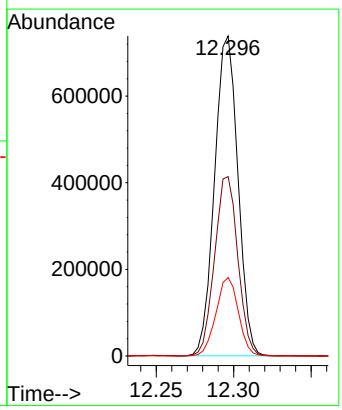
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

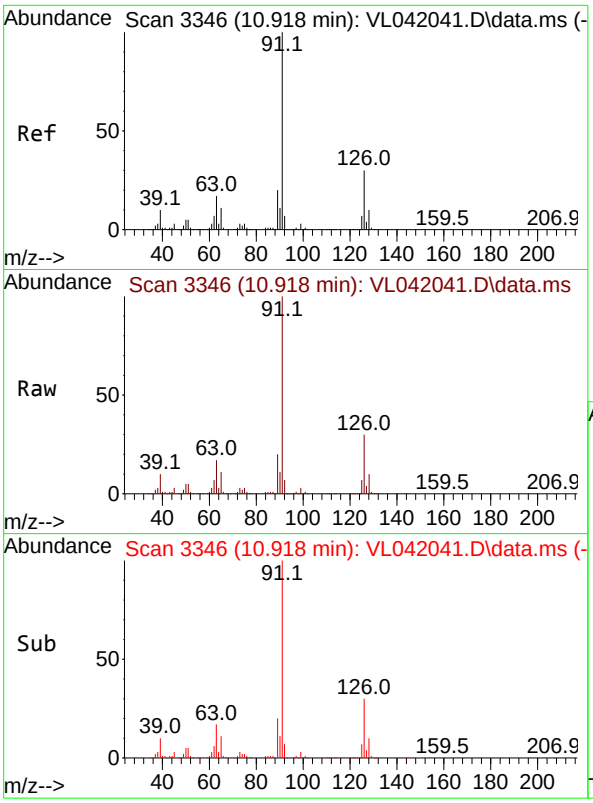


#70
n-Butylbenzene
Concen: 8.009 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 774646

Ion	Ratio	Lower	Upper
91	100		
92	55.9	43.8	65.8
134	23.6	18.6	27.8

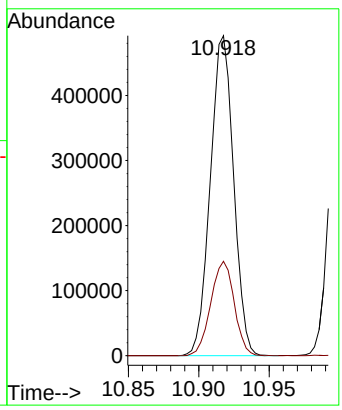




#71
2-Chlorotoluene
Concen: 7.681 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 56661

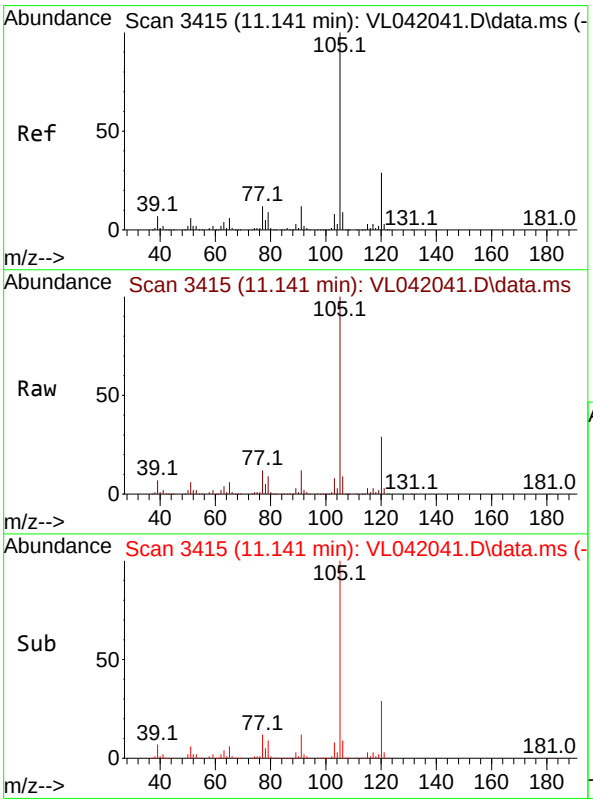
Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.2	45.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

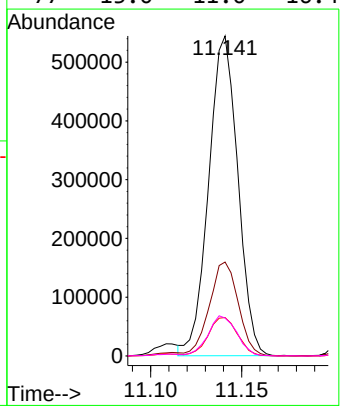
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

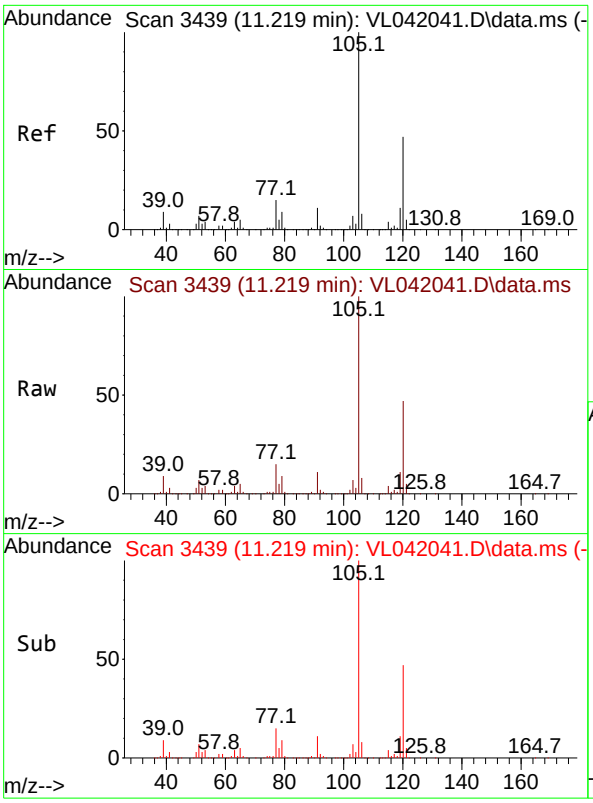


#72
4-Ethyltoluene
Concen: 7.934 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 606538

Ion	Ratio	Lower	Upper
105	100		
120	30.1	22.7	34.1
91	12.8	10.2	15.2
77	13.0	11.0	16.4

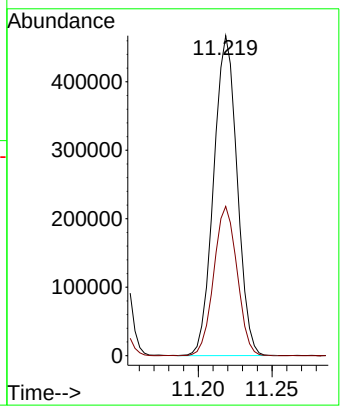




#73
1,3,5-Trimethylbenzene
Concen: 7.838 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 516875

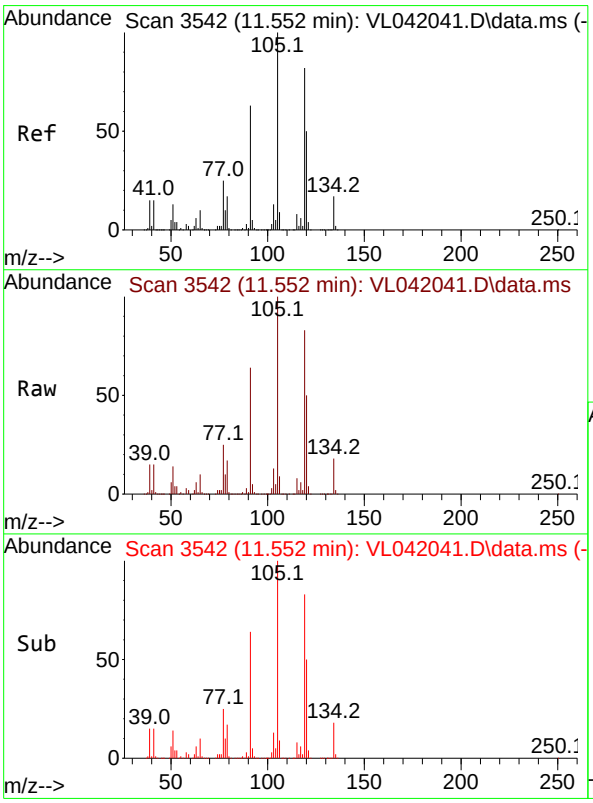
Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.1	55.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

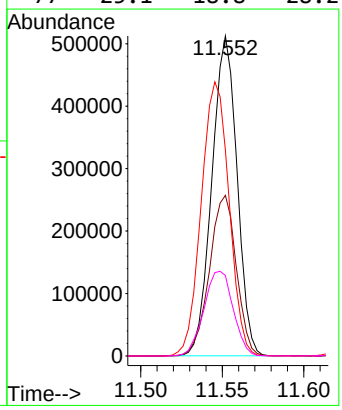
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

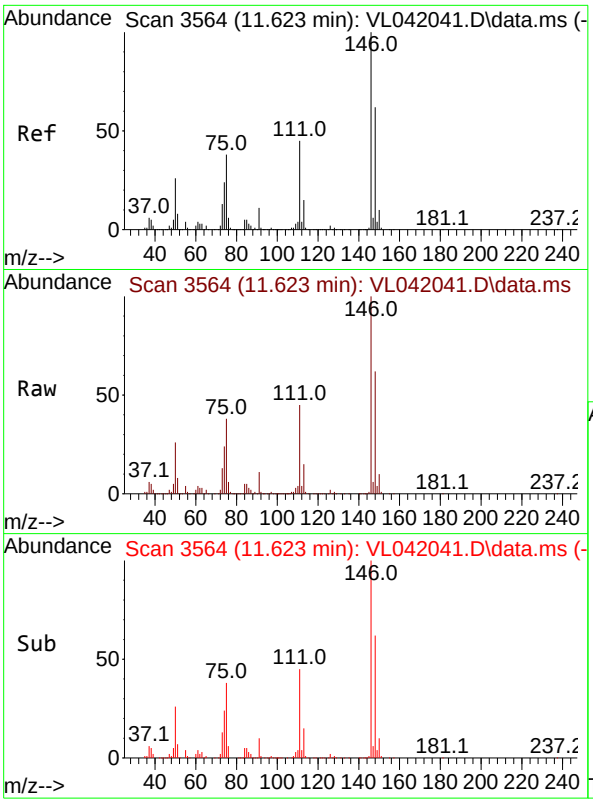


#74
1,2,4-Trimethylbenzene
Concen: 7.777 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 550412

Ion	Ratio	Lower	Upper
105	100		
120	50.2	37.5	56.3
91	64.3	51.7	77.5
77	25.1	18.8	28.2

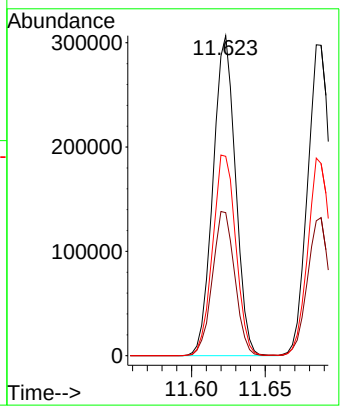




#75
1,3-Dichlorobenzene
Concen: 8.535 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:146 Resp: 32516

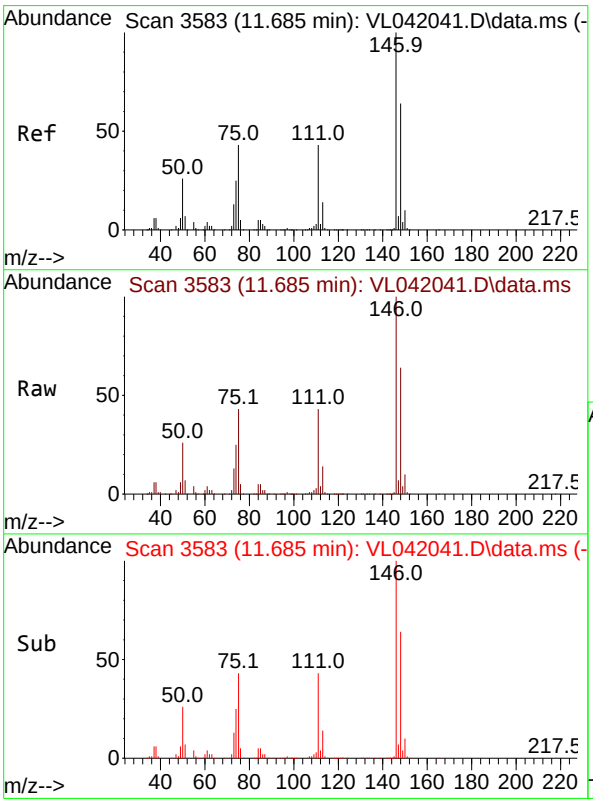
Ion	Ratio	Lower	Upper
146	100		
111	44.8	23.9	71.7
148	64.5	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

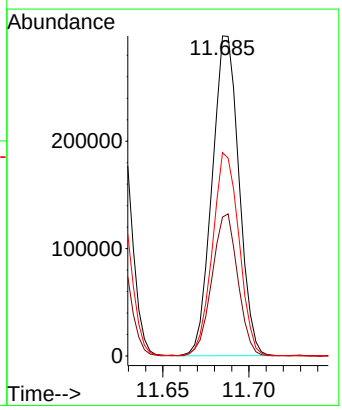
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

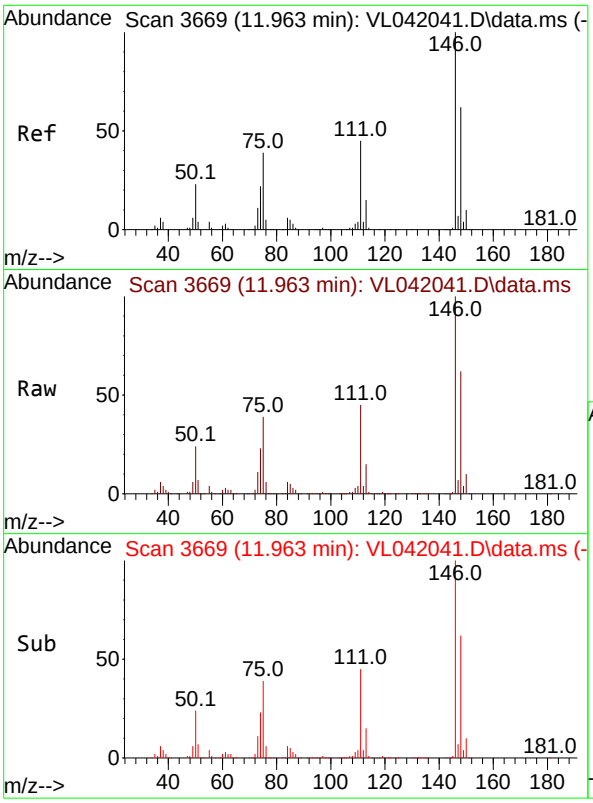


#76
1,4-Dichlorobenzene
Concen: 8.678 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:146 Resp: 322404

Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.5	70.5
148	63.3	32.3	96.9

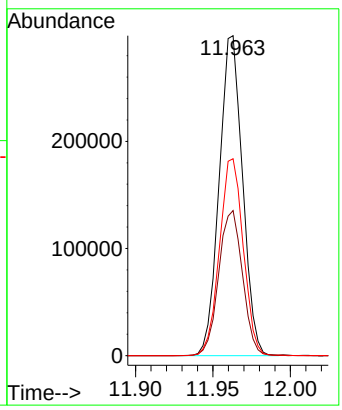




#77
1,2-Dichlorobenzene
Concen: 8.593 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:146 Resp: 31294

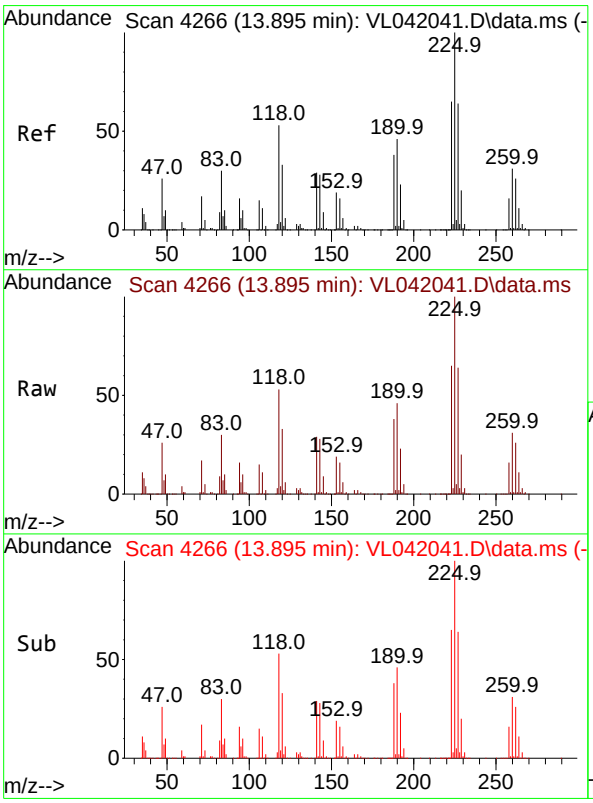
Ion	Ratio	Lower	Upper
146	100		
111	46.4	25.6	76.8
148	62.8	31.9	95.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

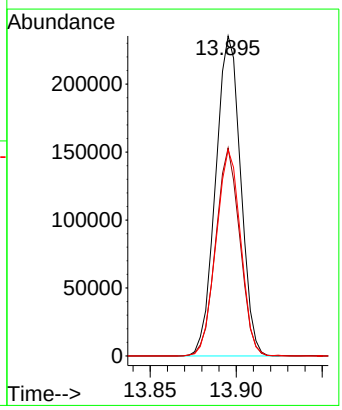
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

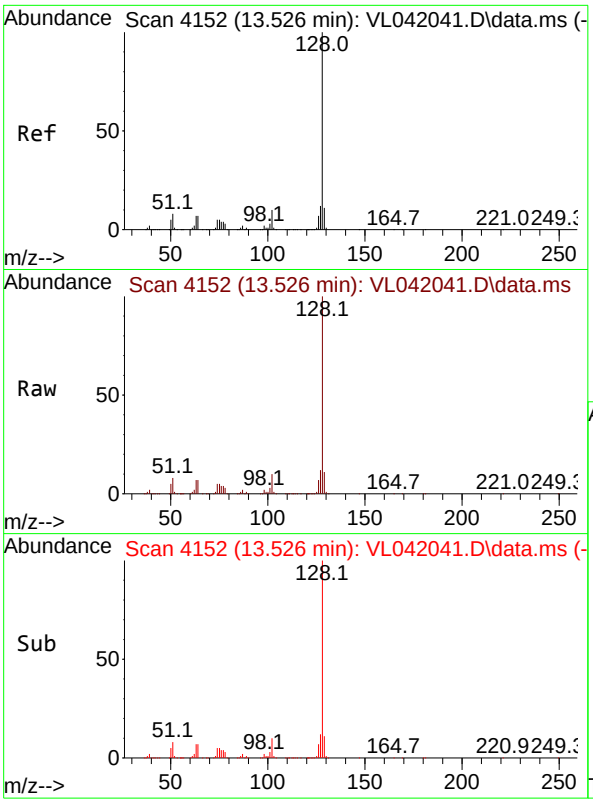


#78
Hexachloro-1,3-Butadiene
Concen: 7.907 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:225 Resp: 238217

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	63.5	50.9	76.3

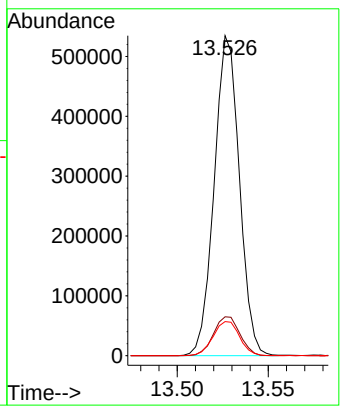




#79
Naphthalene
Concen: 7.372 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:128 Resp: 51319

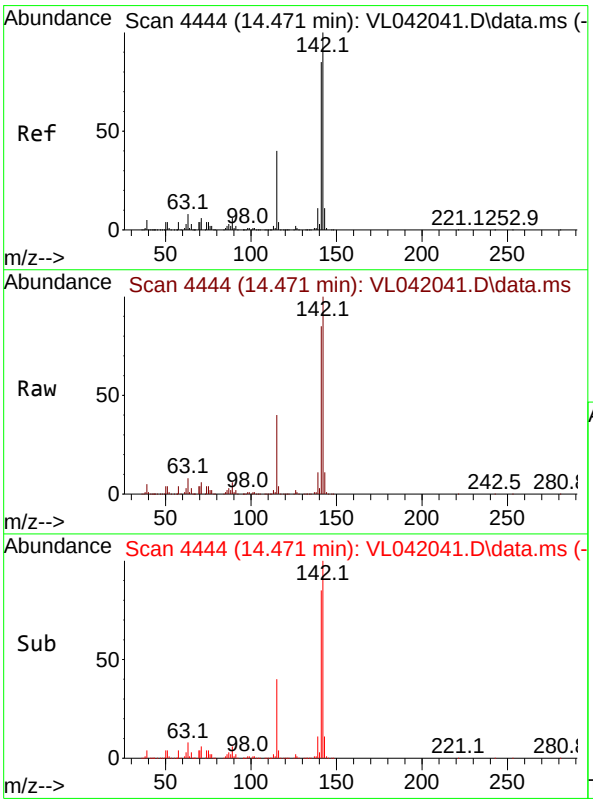
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	10.7	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

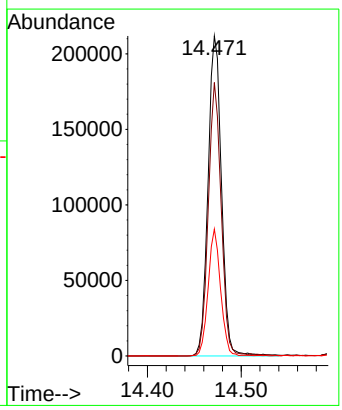
Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

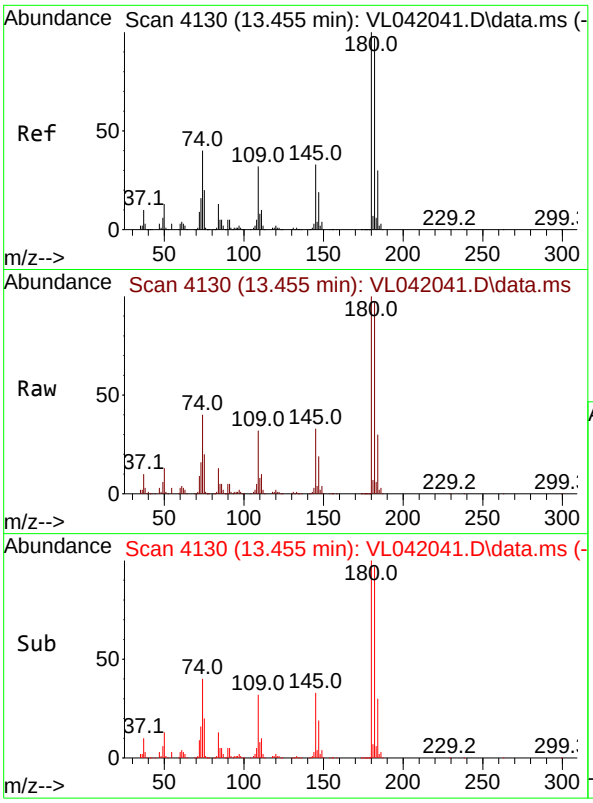


#80
Naphthalene,2-methyl-
Concen: 6.676 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:142 Resp: 210405

Ion	Ratio	Lower	Upper
142	100		
141	82.2	68.2	102.2
115	36.9	33.6	50.4

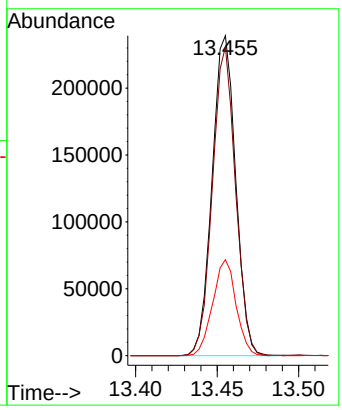




#81
1,2,4-Trichlorobenzene
Concen: 8.517 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:180 Resp: 24103

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.8	113.6
184	29.7	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	160999	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	427051	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	377910	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	289049	9.273	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	35122	1.267	ppbv		95
3) Chlorodifluoromethane	1.483	51	49423	1.613	ppbv		94
4) Chloromethane	1.538	50	12833	1.192	ppbv	#	87
5) Vinyl Chloride	1.586	62	11611	0.902	ppbv		97
6) Bromomethane	1.674	94	5996	1.201	ppbv		97
7) Chloroethane	1.712	64	5014	1.195	ppbv		90
8) Dichlorotetrafluoroethane	1.560	85	29028	1.191	ppbv		99
9) Propene	1.489	41	20484	1.551	ppbv		95
10) Heptane	5.004	43	63098	1.720	ppbv		94
11) Trichlorofluoromethane	1.884	101	36041	1.292	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.149	101	27846	1.280	ppbv		90
13) Ethanol	1.729	45	1291	0.866	ppbv		91
14) Bromoethene	1.790	108	9642	1.187	ppbv		93
15) Acetone	1.842	43	30058	1.131	ppbv		100
16) 1,3-Butadiene	1.615	39	13471	1.069	ppbv		100
17) tert-Butyl alcohol	2.052	59	38684	1.176	ppbv		96
18) 1,1-Dichloroethene	2.043	96	12417	1.195	ppbv		93
19) Isopropyl Alcohol	1.894	45	17927	1.203	ppbv		96
20) Methylene Chloride	2.072	84	10587	1.058	ppbv	#	80
21) Allyl Chloride	2.107	41	20564	1.069	ppbv		96
22) trans-1,2-Dichloroethene	2.350	96	14475	1.283	ppbv		81
23) Vinyl Acetate	2.473	43	22394	1.556	ppbv	#	94
24) 1,1-Dichloroethane	2.421	63	27804	1.214	ppbv		99
25) Ethyl Acetate	2.852	43	121593	1.667	ppbv		100
26) Hexane	2.839	57	48912	1.671	ppbv		98
27) Carbon Disulfide	2.159	76	33222	1.207	ppbv	#	57
28) Methyl tert-Butyl Ether	2.457	73	26968	1.507	ppbv		100
29) Chloroform	2.865	83	63463	1.497	ppbv		92
30) Cyclohexane	3.878	84	40420	1.702	ppbv		98
31) cis-1,2-Dichloroethene	2.732	61	46690	1.614	ppbv		96
32) 1,1,1-Trichloroethane	3.386	97	62586	1.331	ppbv		97
34) 2-Butanone	2.573	43	69370	1.888	ppbv		96
35) Carbon Tetrachloride	3.784	117	61895	1.493	ppbv		97
36) Benzene	3.677	78	94277	1.822	ppbv		98
37) 1,2-Dichloroethane	3.237	62	51050	1.734	ppbv		99
38) Trichloroethene	4.574	130	38184	1.817	ppbv		99
39) 1,2-Dichloropropane	4.341	63	35396	1.866	ppbv		95
40) 1,4-Dioxane	4.622	88	15442	1.565	ppbv	#	28
41) Tetrahydrofuran	3.075	42	40365	1.922	ppbv		96
42) Bromodichloromethane	4.512	83	69154	1.733	ppbv		94
43) Methyl Methacrylate	4.910	69	36393	1.543	ppbv		94
44) 2,2,4-Trimethylpentane	4.664	57	166945	1.901	ppbv		97
45) t-1,3-Dichloropropene	6.448	75	35707	1.604	ppbv		93

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	46835	1.658	ppbv		93
47) 1,1,2-Trichloroethane	6.613	97	36368	1.822	ppbv		93
48) Dibromochloromethane	7.412	129	56931	1.703	ppbv		99
49) Bromoform	9.503	173	50259	1.833	ppbv		99
50) 4-Methyl-2-Pentanone	5.797	43	83246	1.474	ppbv		99
51) 2-Hexanone	7.470	43	51926	1.124	ppbv	#	94
52) Tetrachloroethene	8.244	164	32874	1.822	ppbv		95
53) Toluene	6.962	91	109646	1.779	ppbv		98
54) 1,2-Dibromoethane	7.678	107	50010	1.820	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.946	131	44947	1.662	ppbv		98
57) Chlorobenzene	8.943	112	84749	1.906	ppbv		95
58) Ethyl Benzene	9.374	91	149185	1.804	ppbv		99
59) m/p-Xylene	9.568	91	238800m	3.666	ppbv		
60) o-Xylene	9.982	91	119170	1.809	ppbv		97
61) Styrene	9.888	104	55798	1.776	ppbv		96
62) Isopropylbenzene	10.555	105	181311	1.833	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.982	83	77911	1.833	ppbv		96
64) n-propylbenzene	11.005	120	47764	1.965	ppbv		92
65) tert-Butylbenzene	11.545	119	167973	1.948	ppbv		96
66) Benzyl Chloride	11.630	91	12304	1.423	ppbv	#	98
67) sec-Butylbenzene	11.782	105	240504	1.986	ppbv		99
69) p-Isopropyltoluene	11.940	119	194660	1.963	ppbv		99
70) n-Butylbenzene	12.296	91	194416	1.991	ppbv		99
71) 2-Chlorotoluene	10.917	91	140068	1.880	ppbv		98
72) 4-Ethyltoluene	11.141	105	150038	1.944	ppbv		98
73) 1,3,5-Trimethylbenzene	11.218	105	128202	1.925	ppbv		99
74) 1,2,4-Trimethylbenzene	11.549	105	150380	2.104	ppbv	#	88
75) 1,3-Dichlorobenzene	11.623	146	81884	2.129	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	82560	2.201	ppbv		97
77) 1,2-Dichlorobenzene	11.963	146	80367	2.186	ppbv		96
78) Hexachloro-1,3-Butadiene	13.895	225	63815	2.098	ppbv		99
79) Naphthalene	13.526	128	102197	1.454	ppbv		98
80) Naphthalene,2-methyl-	14.475	142	18104	0.569	ppbv		94
81) 1,2,4-Trichlorobenzene	13.455	180	57798	2.023	ppbv		98

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

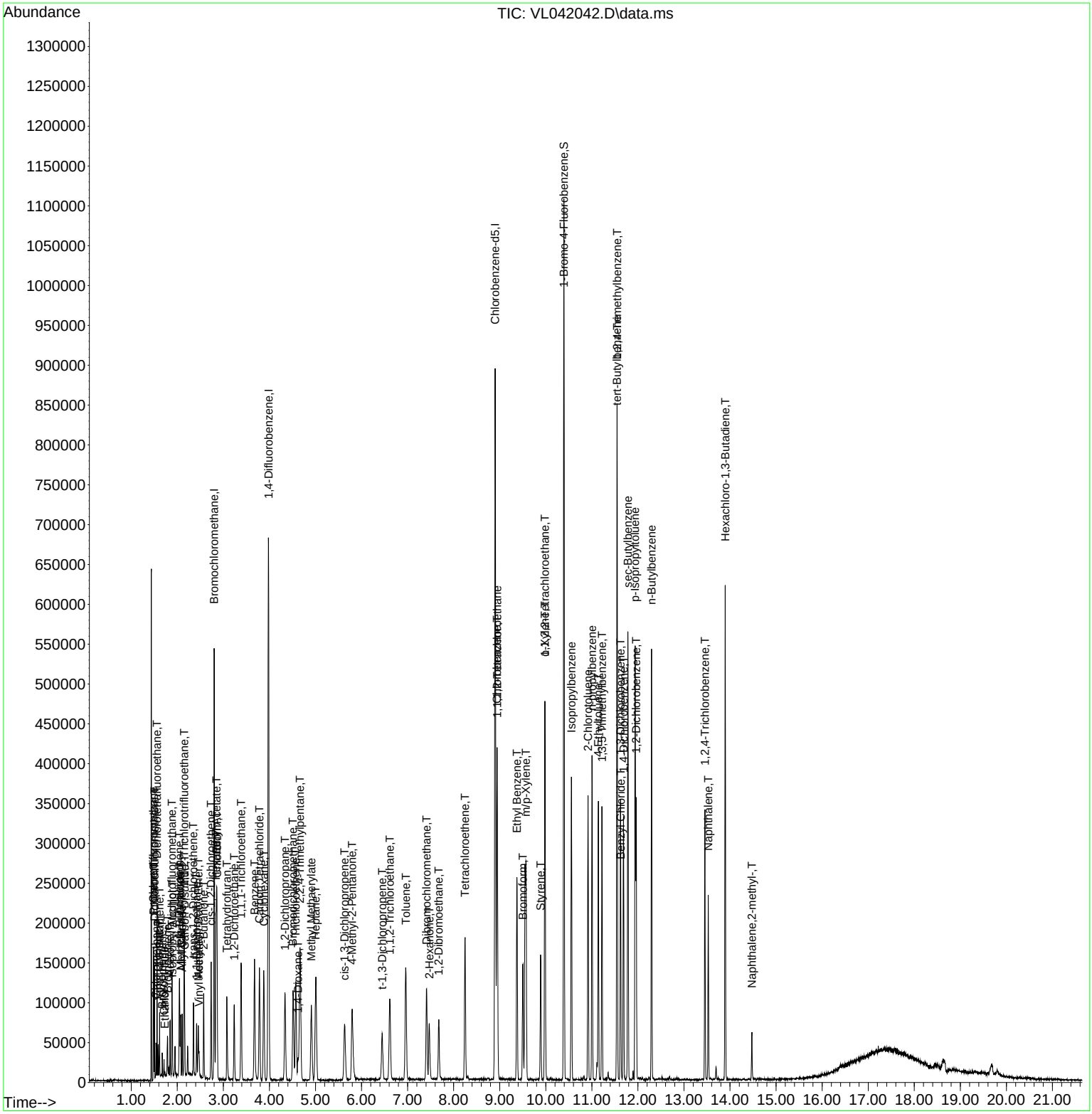
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

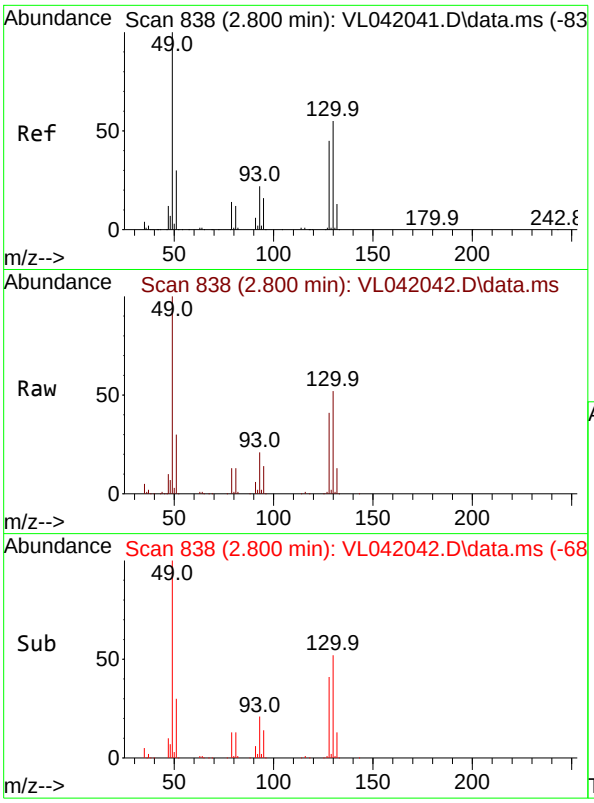
Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

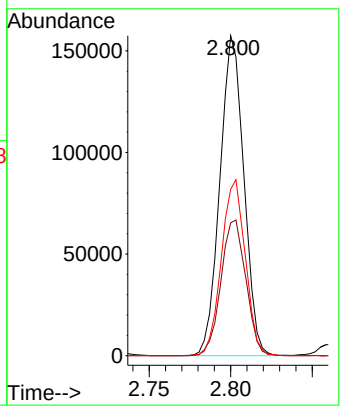




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 49 Resp: 16099

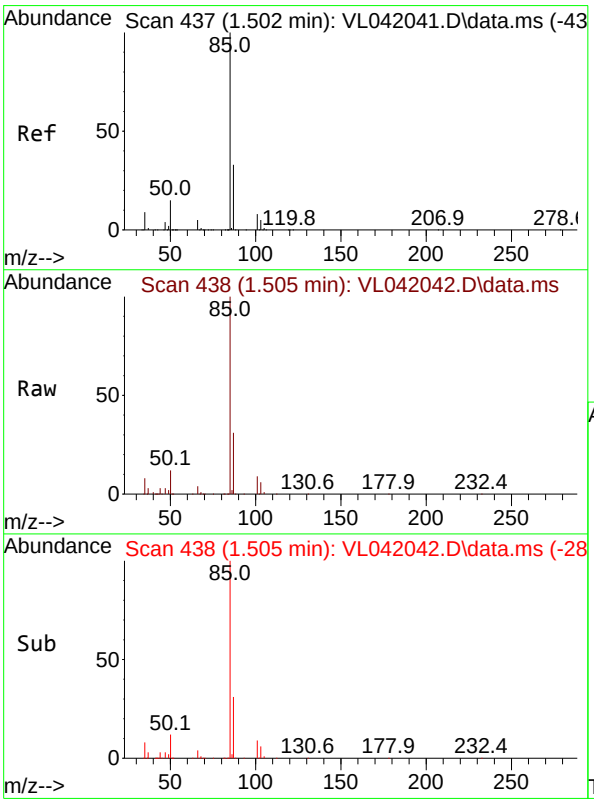
Ion	Ratio	Lower	Upper
49	100		
128	44.0	22.7	68.0
130	54.7	29.9	89.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

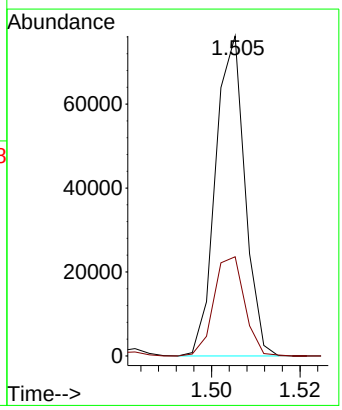
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

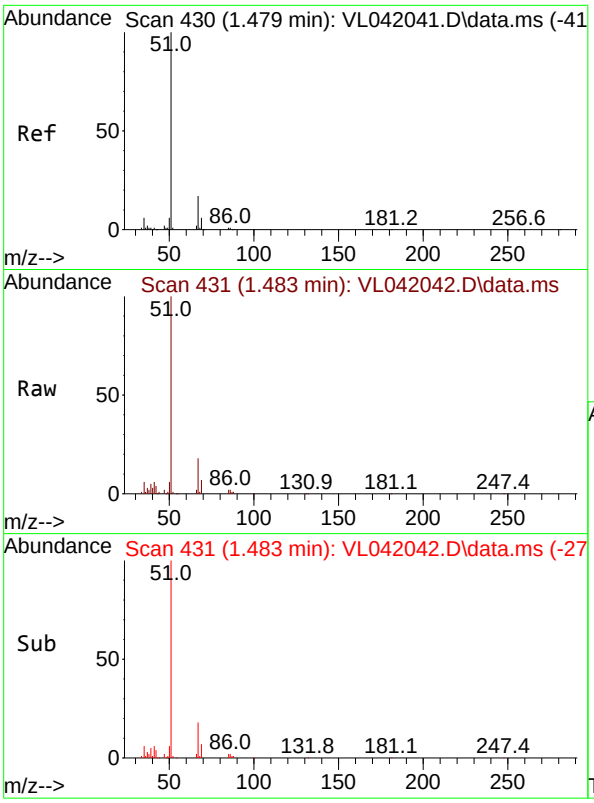


#2
Dichlorodifluoromethane
Concen: 1.267 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 35122

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.9	40.3

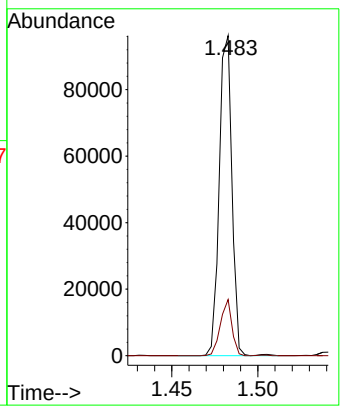




#3
Chlorodifluoromethane
Concen: 1.613 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 51 Resp: 4942

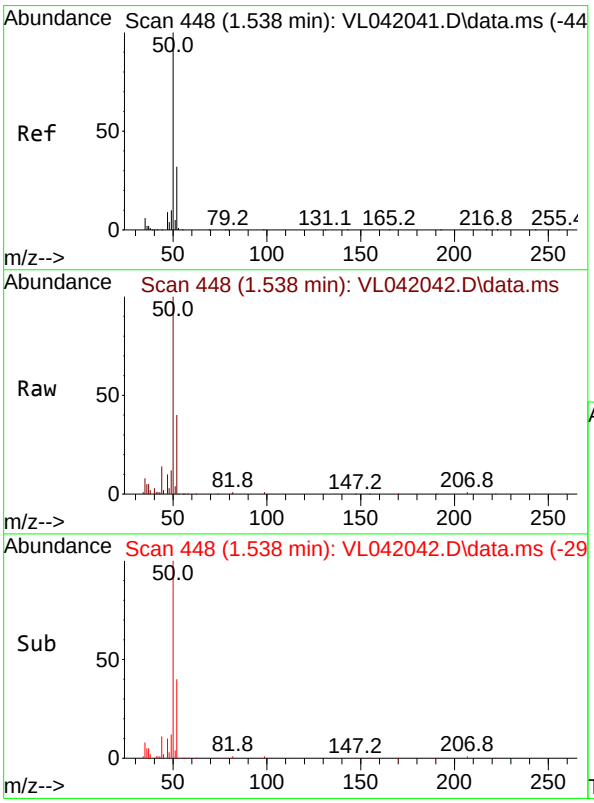
Ion	Ratio	Lower	Upper
51	100		
67	16.1	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

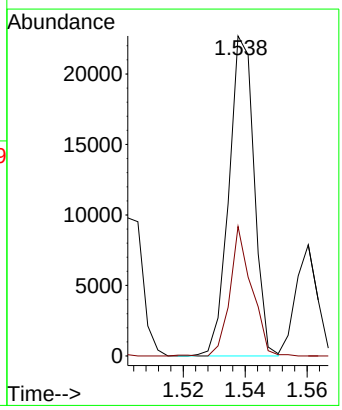
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

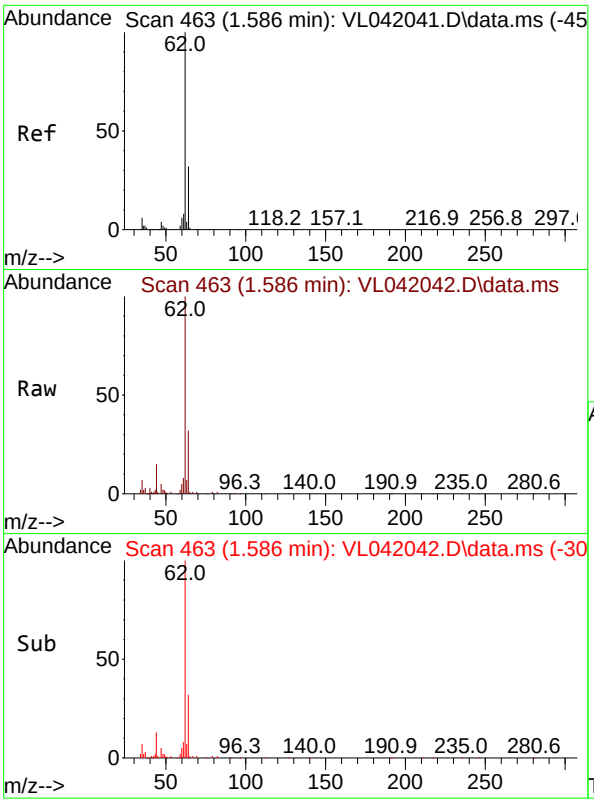


#4
Chloromethane
Concen: 1.192 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 50 Resp: 12833

Ion	Ratio	Lower	Upper
50	100		
52	40.2	26.2	39.2#

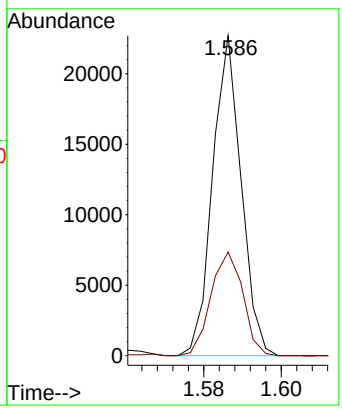




#5
Vinyl Chloride
Concen: 0.902 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 62 Resp: 1161

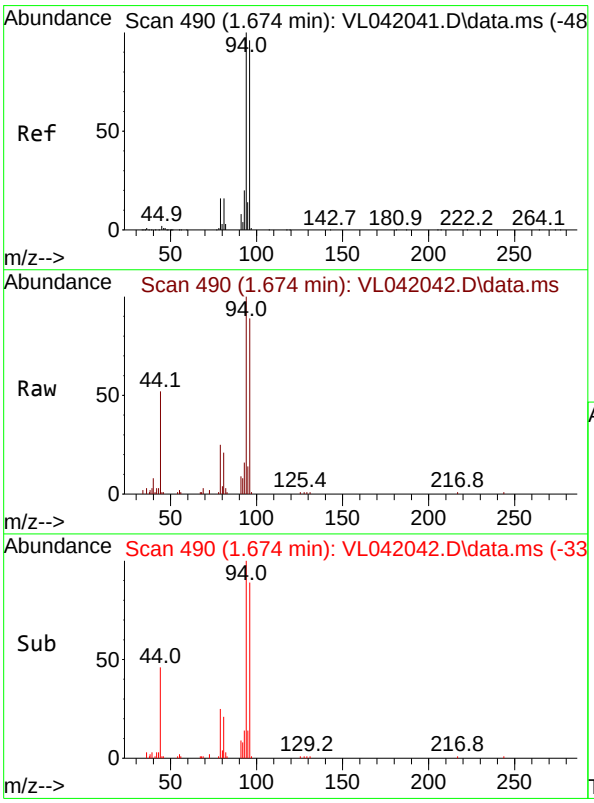
Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

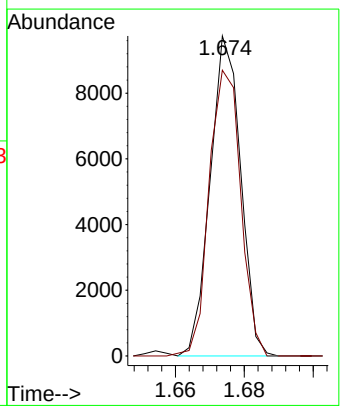
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

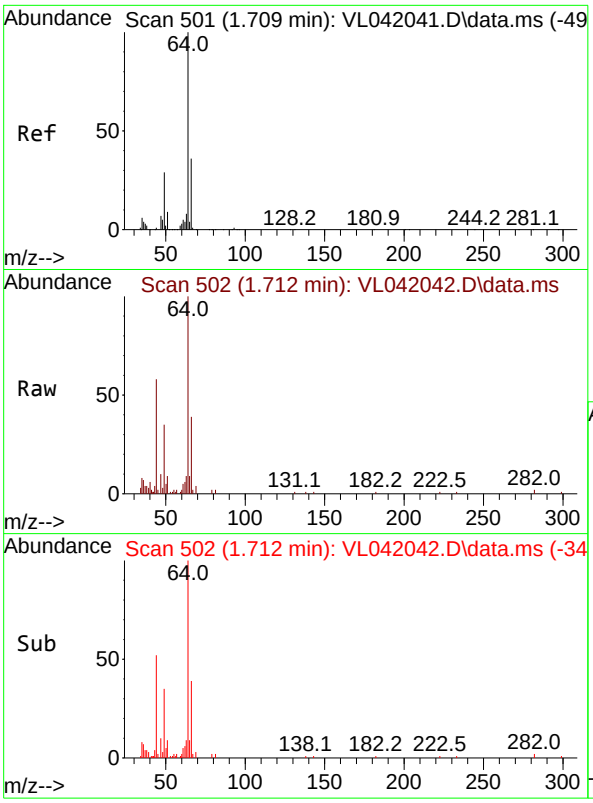


#6
Bromomethane
Concen: 1.201 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 94 Resp: 5996

Ion	Ratio	Lower	Upper
94	100		
96	89.3	69.0	103.6

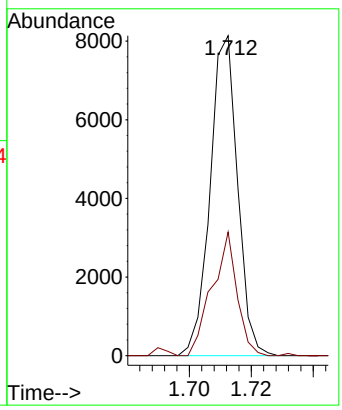




#7
Chloroethane
Concen: 1.195 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 64 Resp: 501

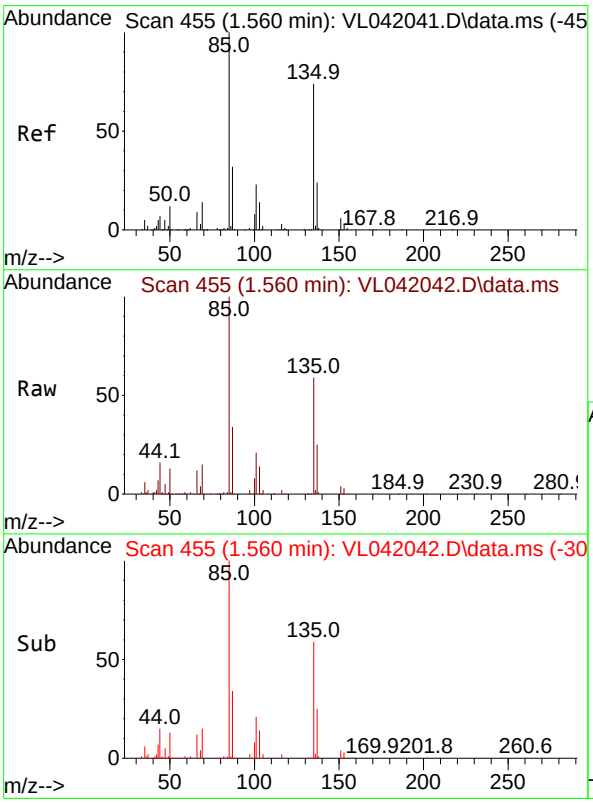
Ion	Ratio	Lower	Upper
64	100		
66	38.7	26.5	39.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

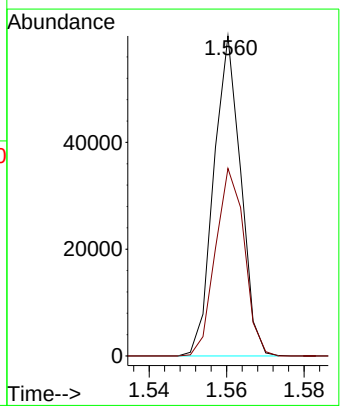
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

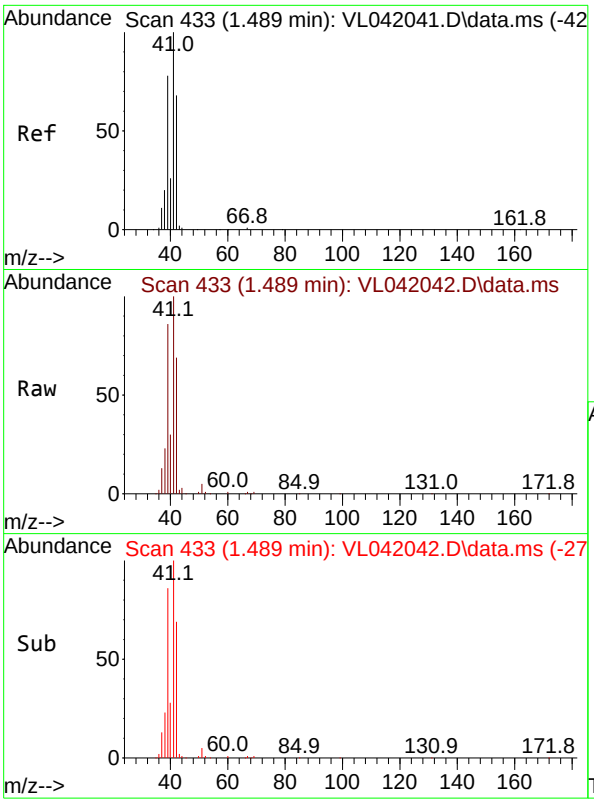


#8
Dichlorotetrafluoroethane
Concen: 1.191 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 29028

Ion	Ratio	Lower	Upper
85	100		
135	63.1	50.9	76.3

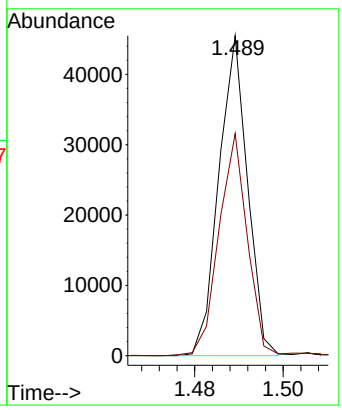




#9
Propene
Concen: 1.551 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 41 Resp: 2048

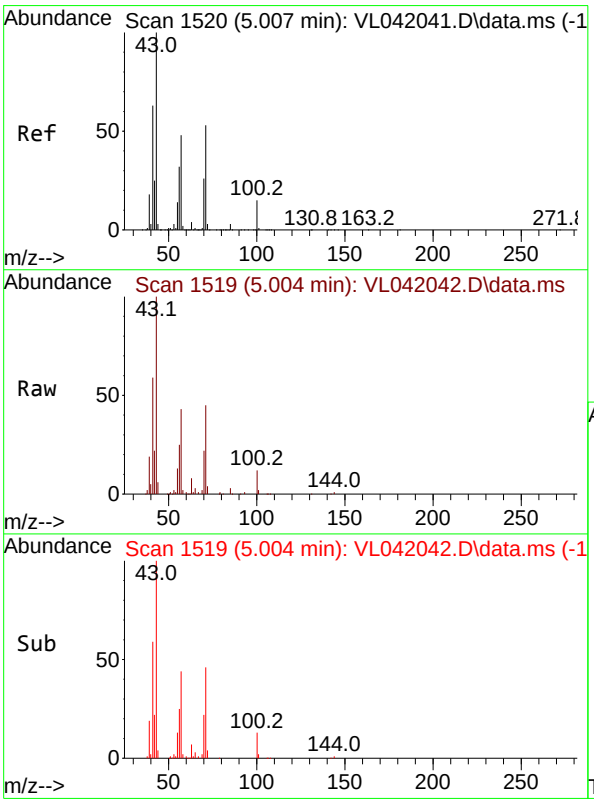
Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.5	80.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

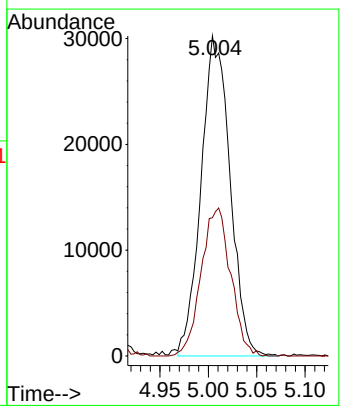
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

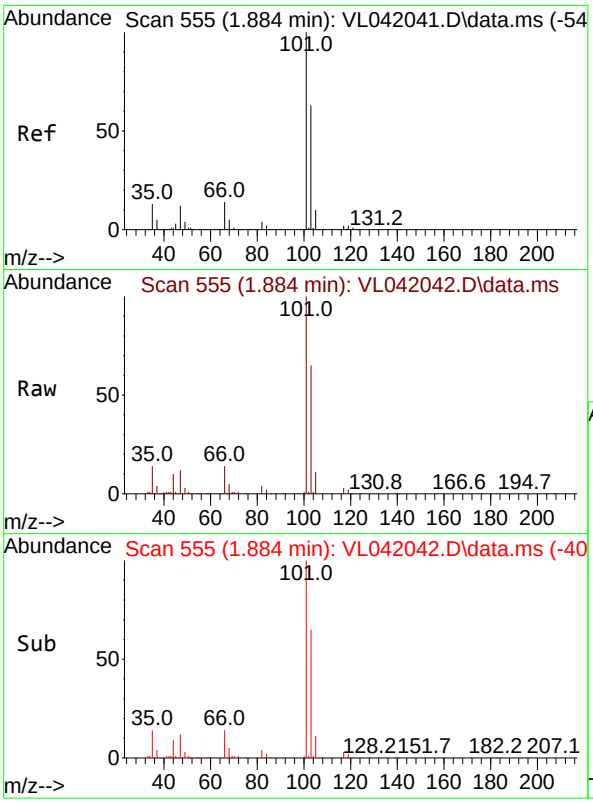


#10
Heptane
Concen: 1.720 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 63098

Ion	Ratio	Lower	Upper
43	100		
57	47.0	41.0	61.6

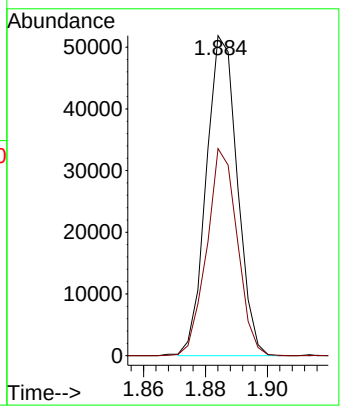




#11
Trichlorofluoromethane
Concen: 1.292 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:101 Resp: 3604

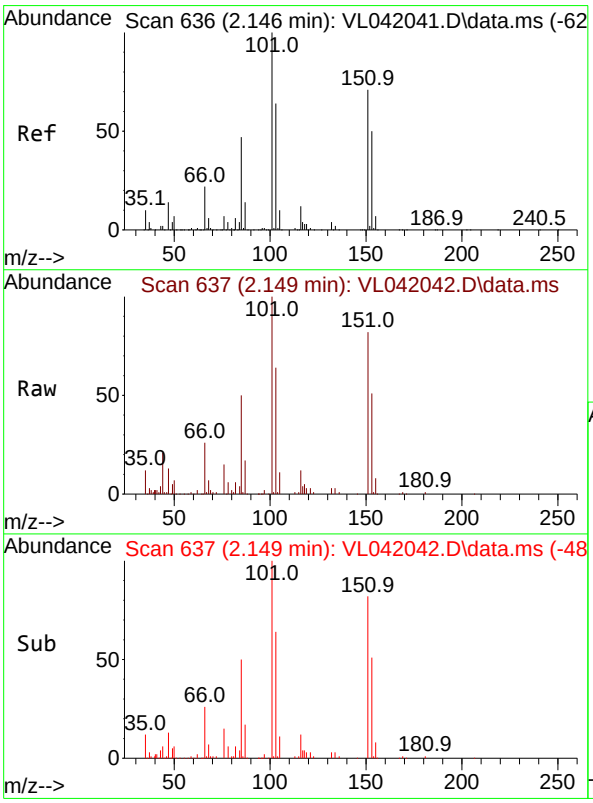
Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.9	79.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

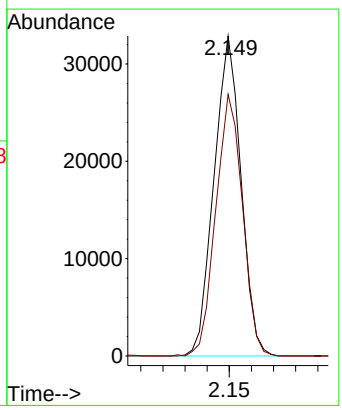
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

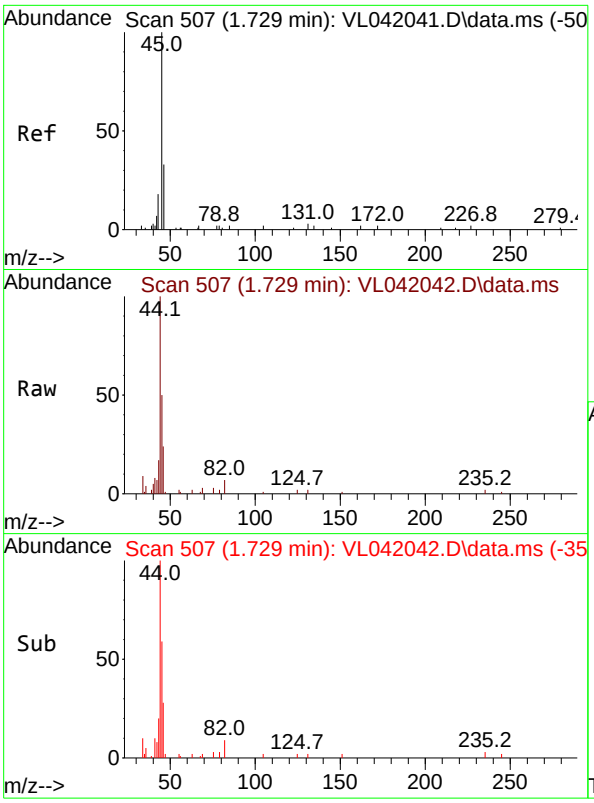


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.280 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:101 Resp: 27846

Ion	Ratio	Lower	Upper
101	100		
151	81.3	58.2	87.2

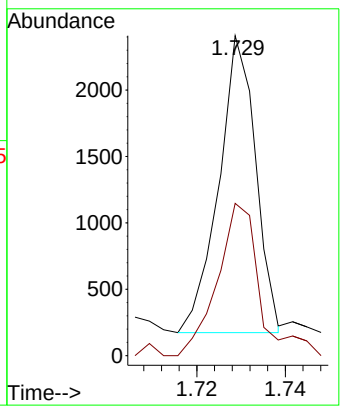




#13
Ethanol
Concen: 0.866 ppbv
RT: 1.729 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 45 Resp: 129

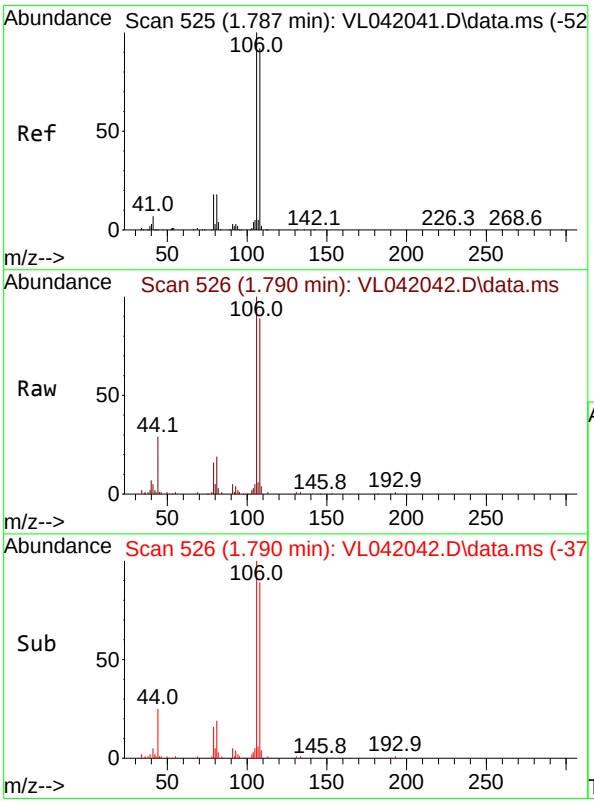
Ion	Ratio	Lower	Upper
45	100		
46	59.8	21.3	85.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

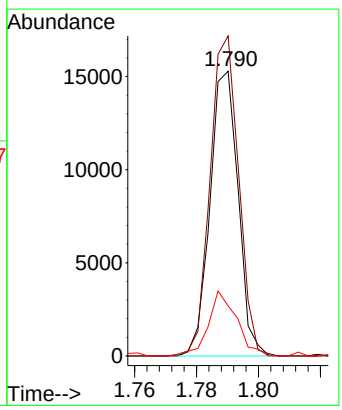
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

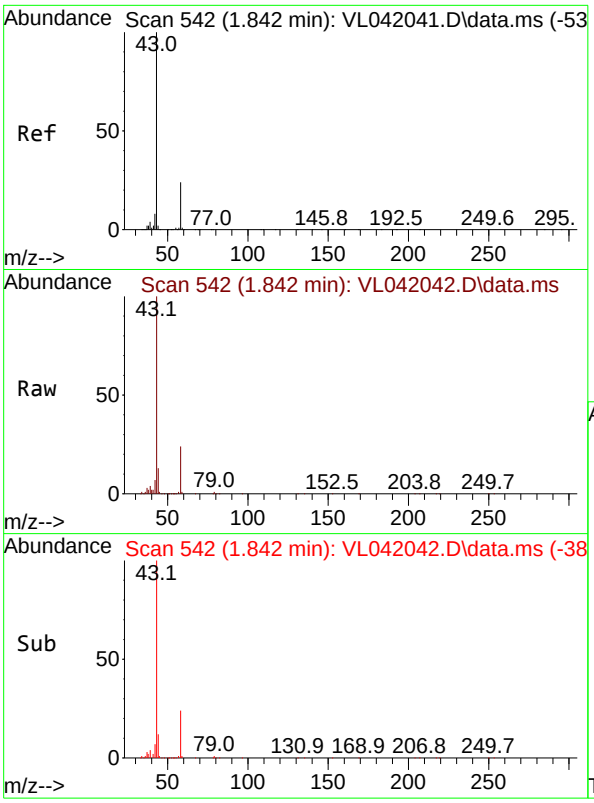


#14
Bromoethene
Concen: 1.187 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:108 Resp: 9642

Ion	Ratio	Lower	Upper
108	100		
106	114.2	85.0	127.6
79	23.8	17.3	25.9

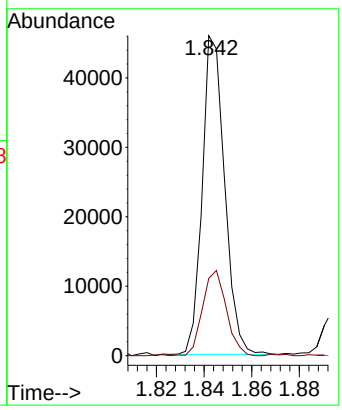




#15
Acetone
Concen: 1.131 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 3005

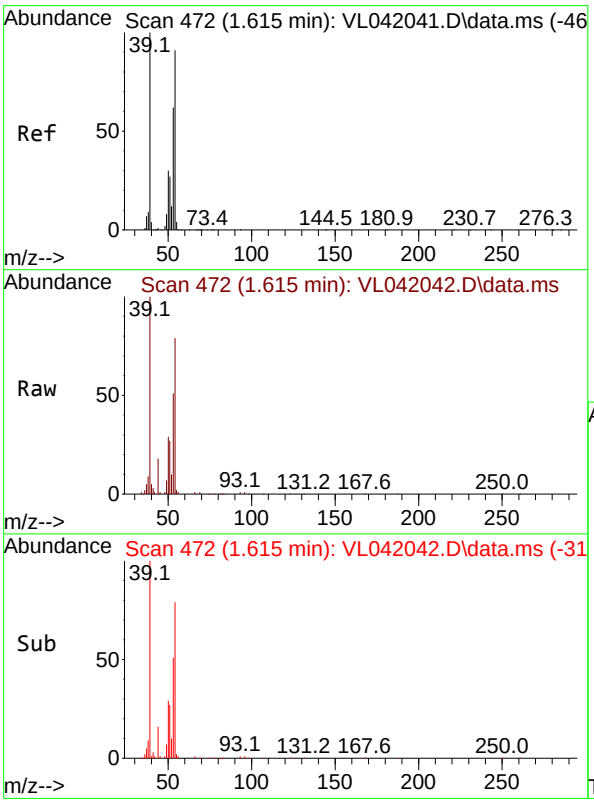
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.9	34.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

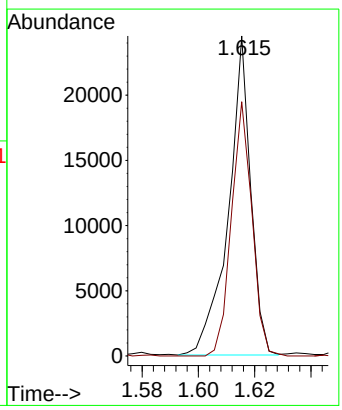
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

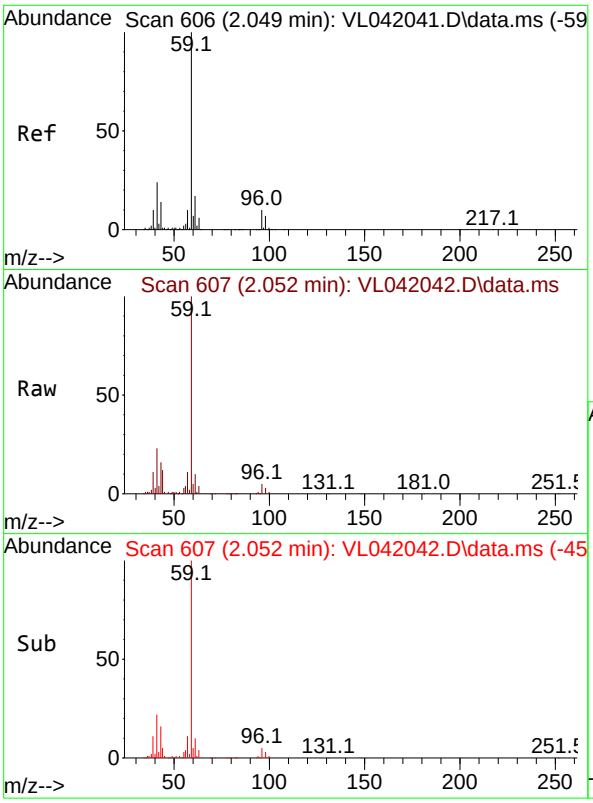


#16
1,3-Butadiene
Concen: 1.069 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 39 Resp: 13471

Ion	Ratio	Lower	Upper
39	100		
54	74.0	59.4	89.2

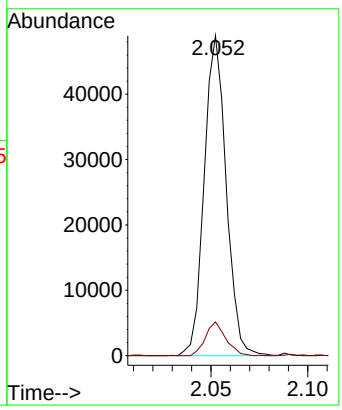




#17
tert-Butyl alcohol
Concen: 1.176 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 59 Resp: 3868

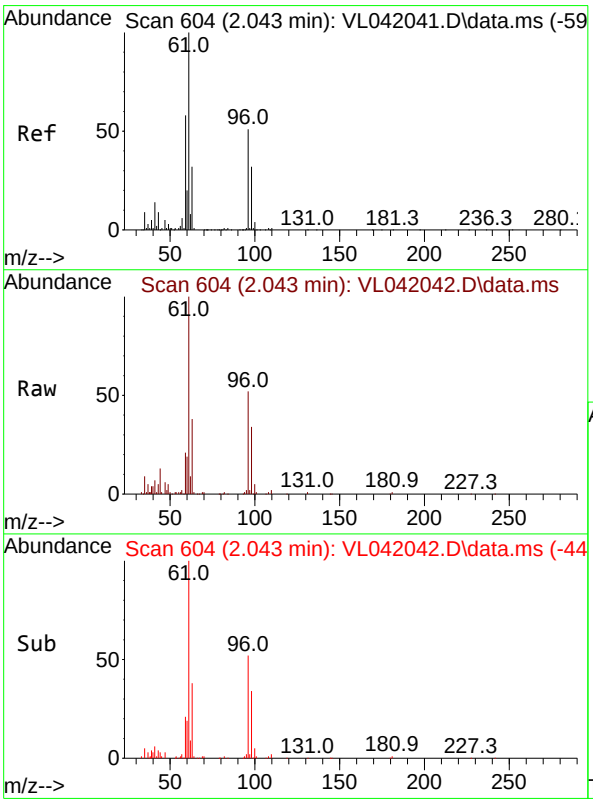
Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.2	13.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

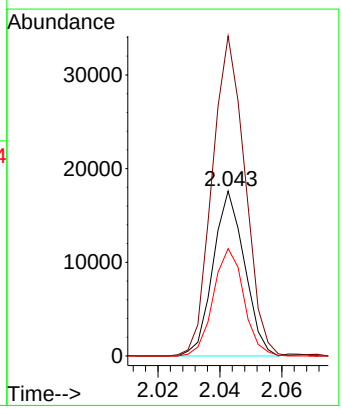
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

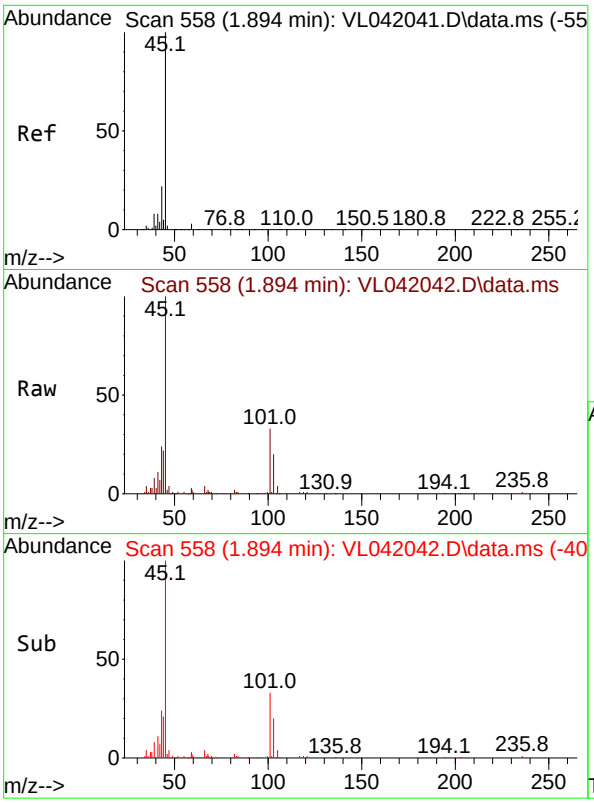


#18
1,1-Dichloroethene
Concen: 1.195 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 12417

Ion	Ratio	Lower	Upper
96	100		
61	193.2	163.5	245.3
98	65.1	49.4	74.0

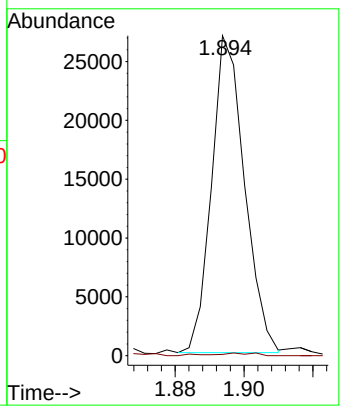




#19
Isopropyl Alcohol
Concen: 1.203 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 45 Resp: 1792

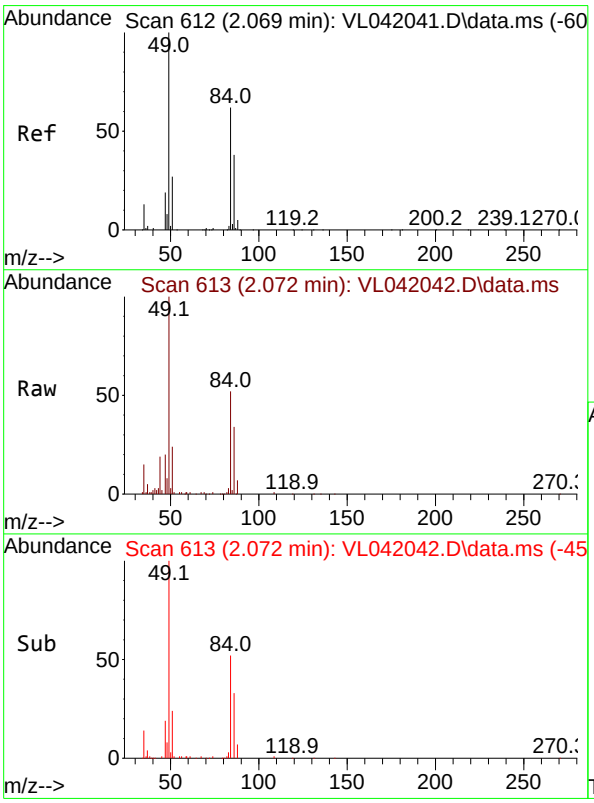
Ion	Ratio	Lower	Upper
45	100		
58	48.2	36.2	54.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

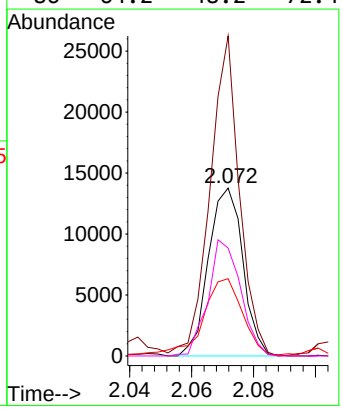
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

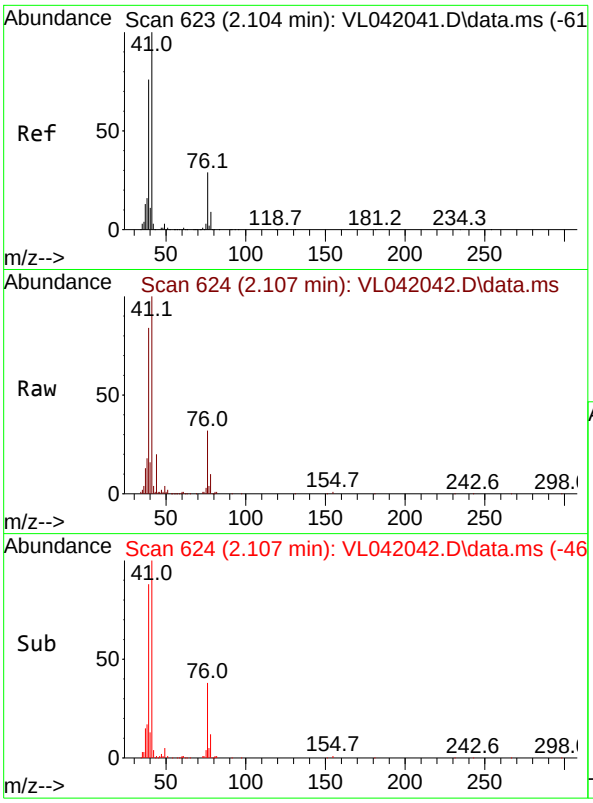


#20
Methylene Chloride
Concen: 1.058 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 84 Resp: 10587

Ion	Ratio	Lower	Upper
84	100		
49	190.7	121.0	181.4#
51	45.4	35.1	52.7
86	64.2	48.2	72.4

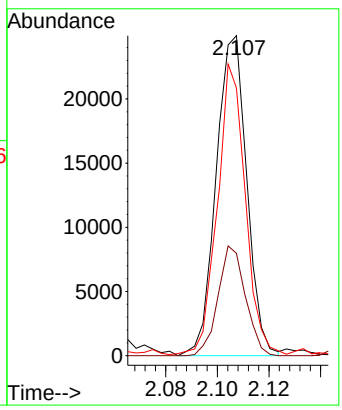




#21
Allyl Chloride
Concen: 1.069 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 41 Resp: 2056

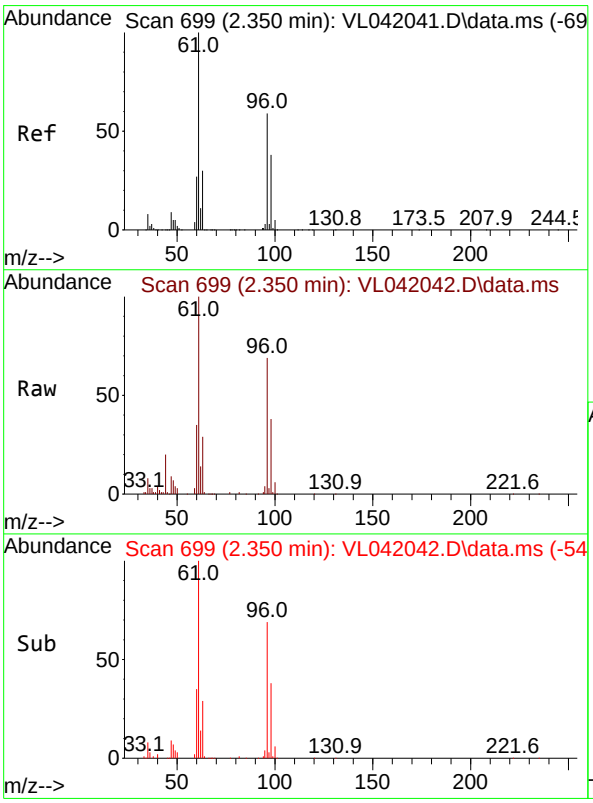
Ion	Ratio	Lower	Upper
41	100		
76	30.7	23.7	35.5
39	82.6	63.0	94.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

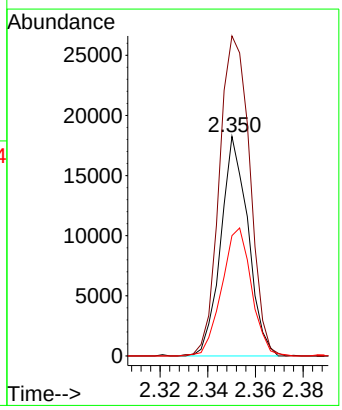
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

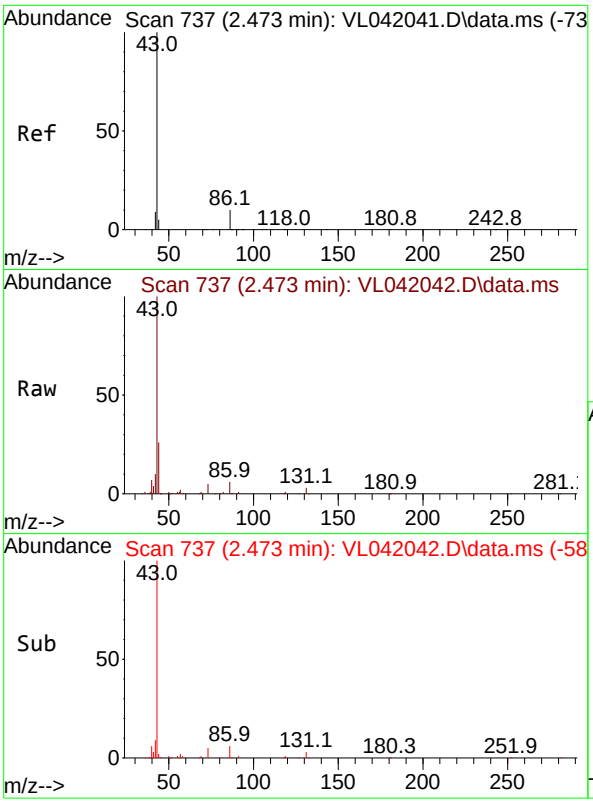


#22
trans-1,2-Dichloroethene
Concen: 1.283 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 14475

Ion	Ratio	Lower	Upper
96	100		
61	145.8	142.3	213.5
98	54.9	50.2	75.2

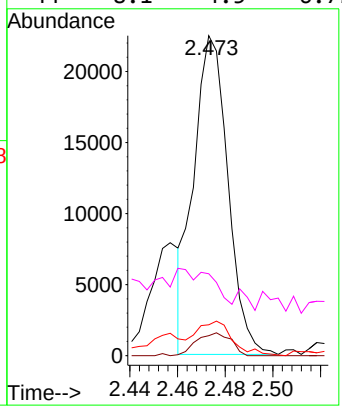




#23
Vinyl Acetate
Concen: 1.556 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 2239

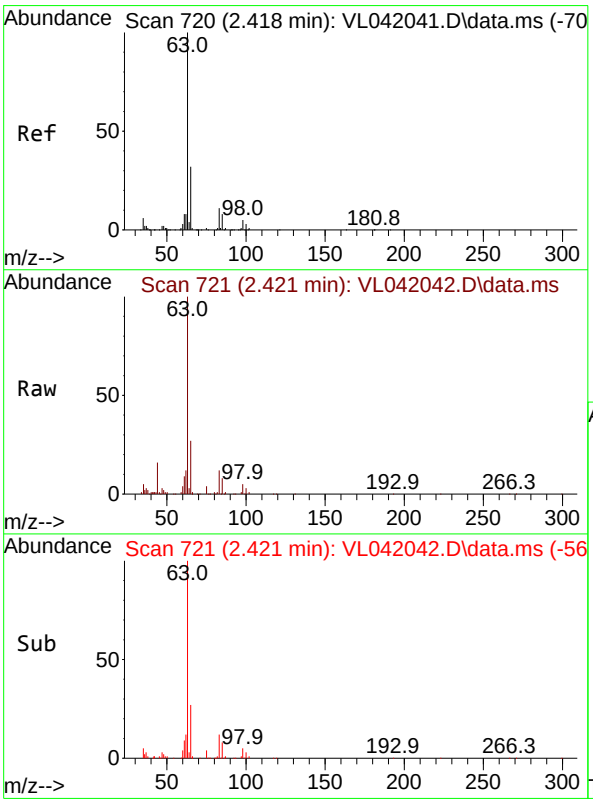
Ion	Ratio	Lower	Upper
43	100		
86	6.3	8.1	12.1#
42	9.4	7.5	11.3
44	8.1	4.5	6.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

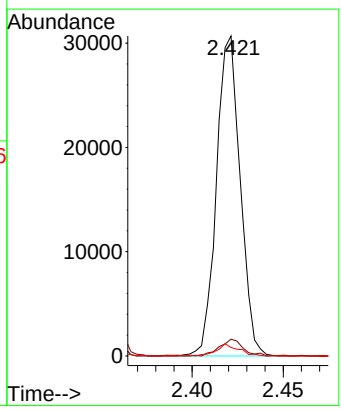
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

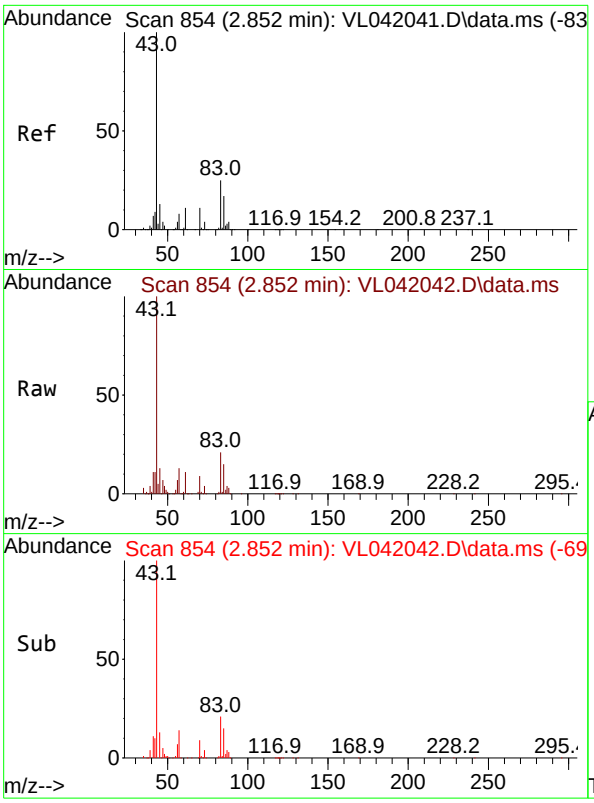


#24
1,1-Dichloroethane
Concen: 1.214 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 63 Resp: 27804

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.4	7.2
100	2.7	1.6	4.8

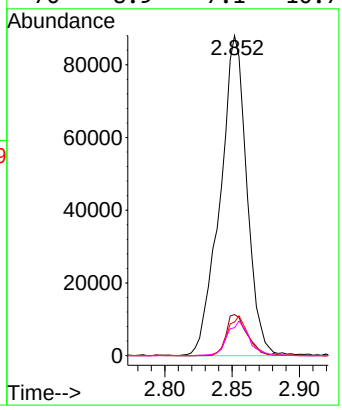




#25
Ethyl Acetate
Concen: 1.667 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 12159

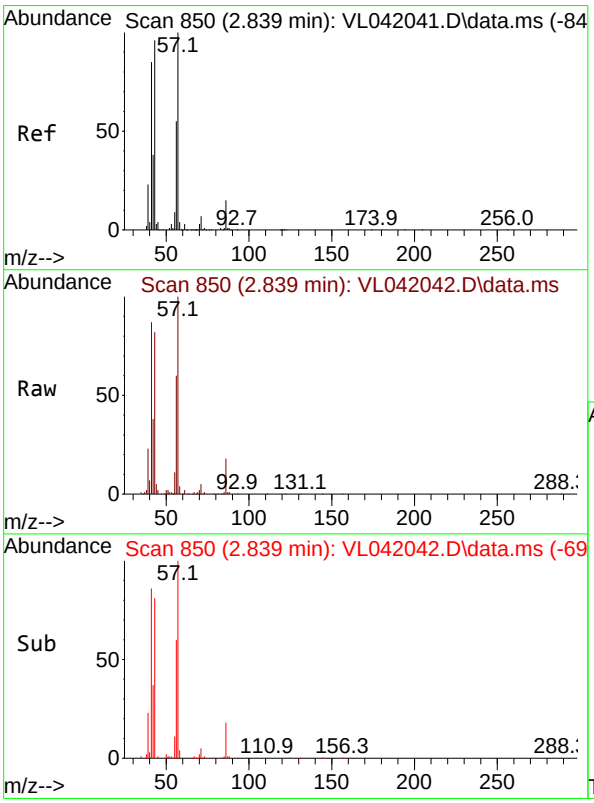
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.6	7.5	11.3
70	8.9	7.1	10.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

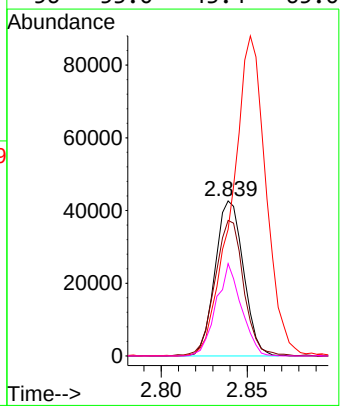
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

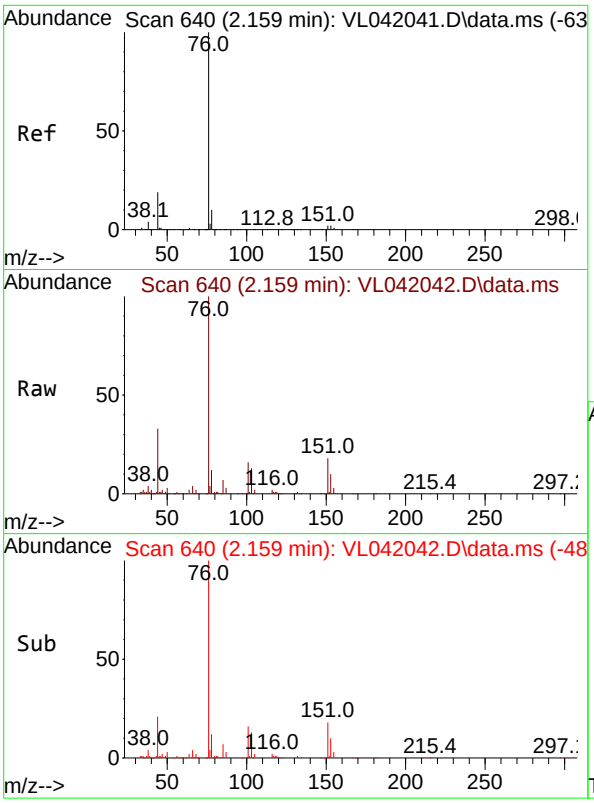


#26
Hexane
Concen: 1.671 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 48912

Ion	Ratio	Lower	Upper
57	100		
41	89.0	73.2	109.8
43	249.1	200.8	301.2
56	53.0	43.4	65.0

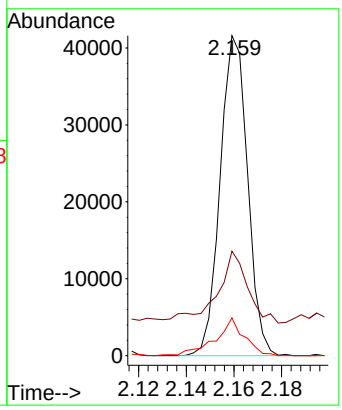




#27
Carbon Disulfide
Concen: 1.207 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 76 Resp: 3322

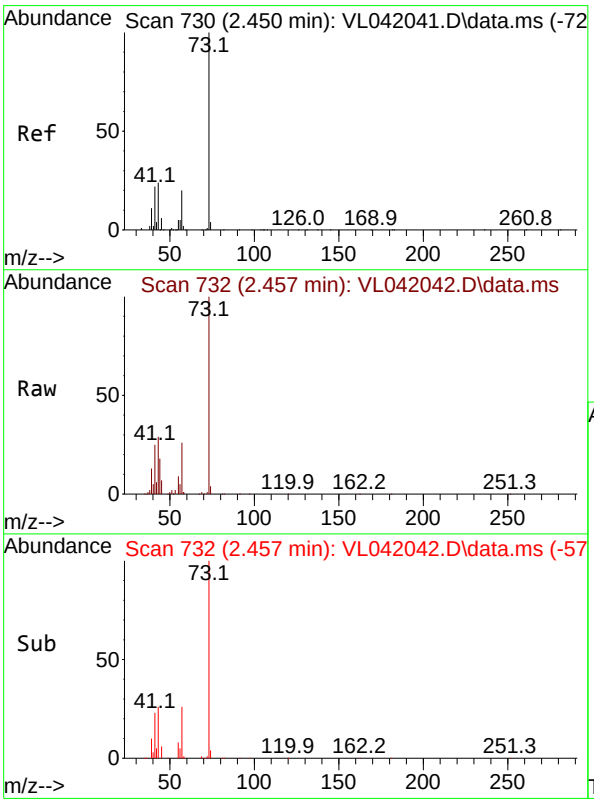
Ion	Ratio	Lower	Upper
76	100		
44	53.5	18.1	27.1
78	12.5	9.5	14.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

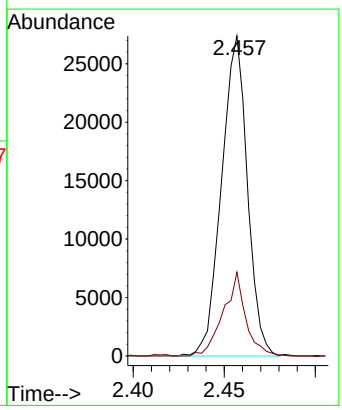
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

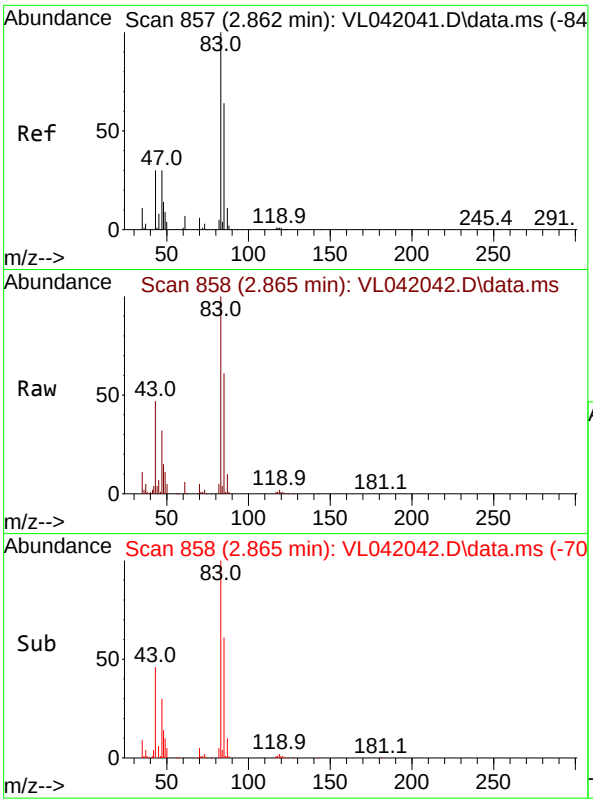


#28
Methyl tert-Butyl Ether
Concen: 1.507 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 73 Resp: 26968

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5





#29
Chloroform
Concen: 1.497 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

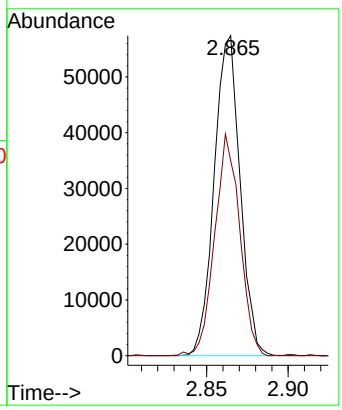
Tgt Ion: 83 Resp: 6346

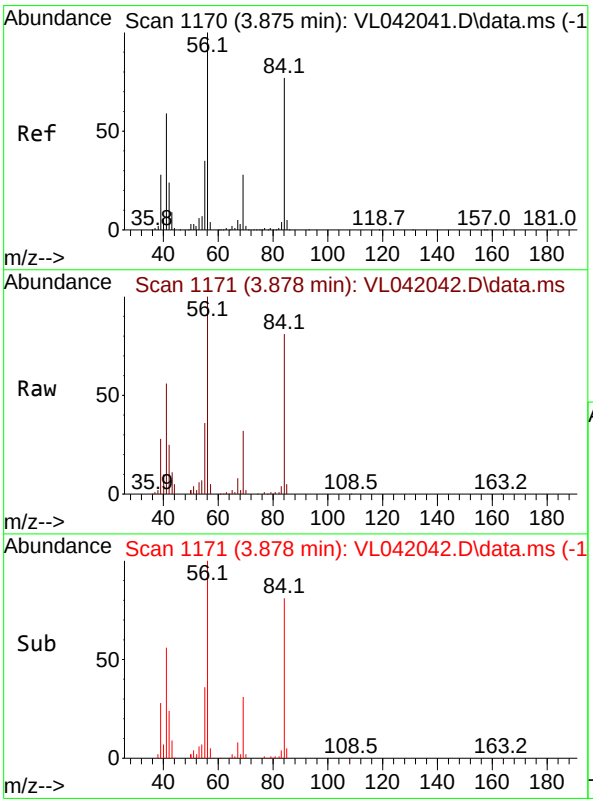
Ion	Ratio	Lower	Upper
83	100		
85	60.8	53.8	80.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

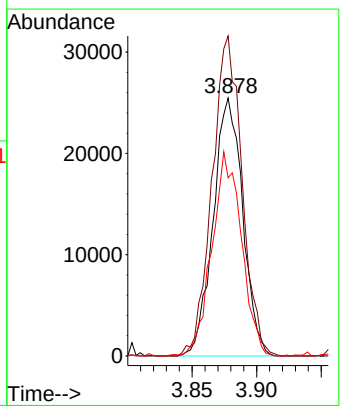


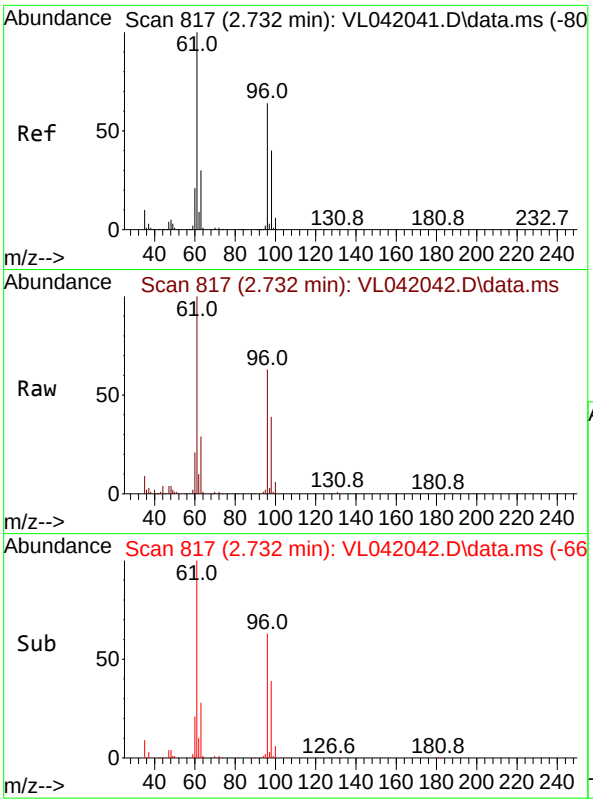


#30
Cyclohexane
Concen: 1.702 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 84 Resp: 40420

Ion	Ratio	Lower	Upper
84	100		
56	125.8	99.5	149.3
41	79.4	62.2	93.2

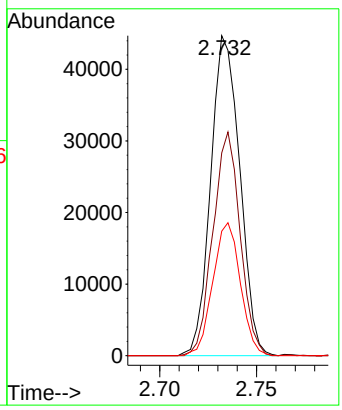




#31
cis-1,2-Dichloroethene
Concen: 1.614 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 61 Resp: 4669

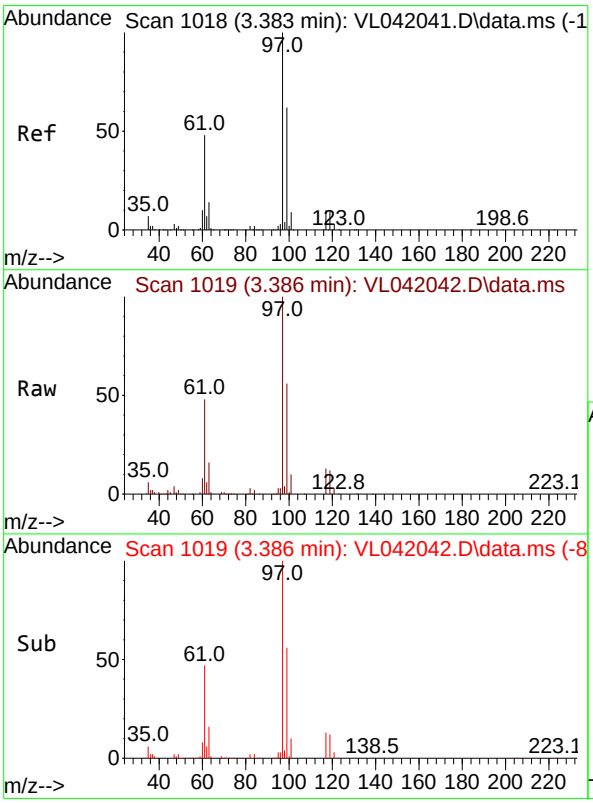
Ion	Ratio	Lower	Upper
61	100		
96	63.4	51.6	77.4
98	38.9	34.8	52.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

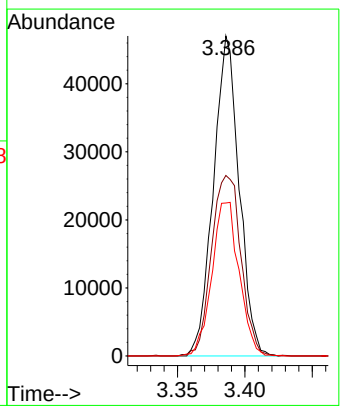
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

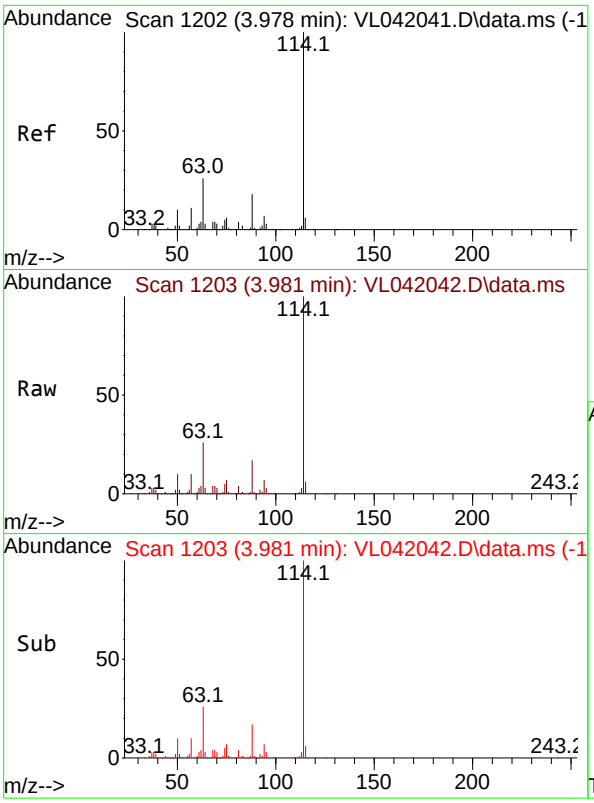


#32
1,1,1-Trichloroethane
Concen: 1.331 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 97 Resp: 62586

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	50.9	37.9	56.9

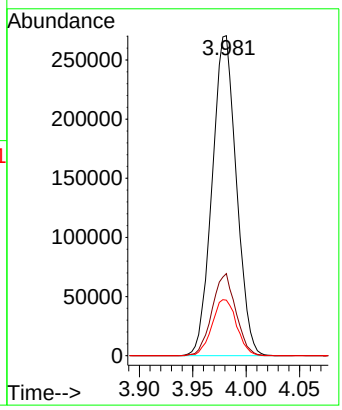




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:114 Resp: 42705

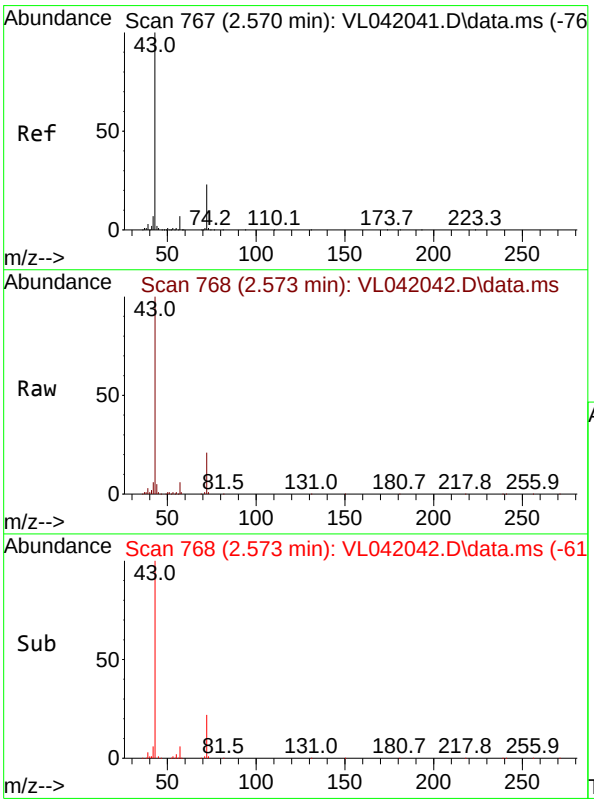
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.8	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

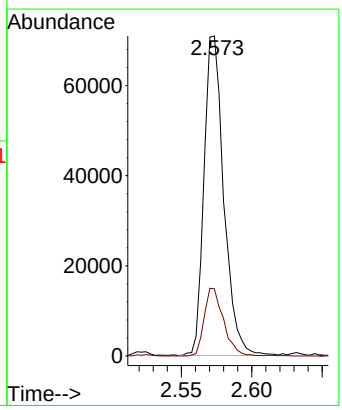
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

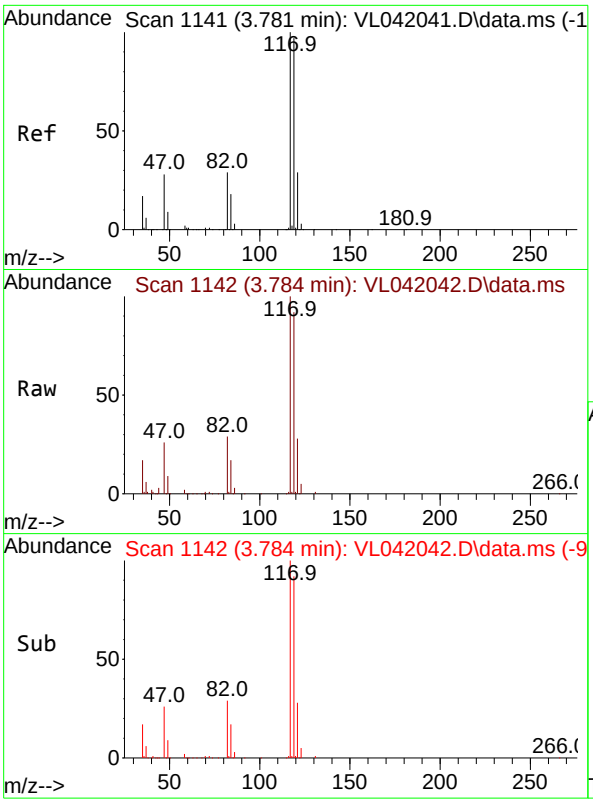


#34
2-Butanone
Concen: 1.888 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 69370

Ion	Ratio	Lower	Upper
43	100		
72	20.7	18.3	27.5

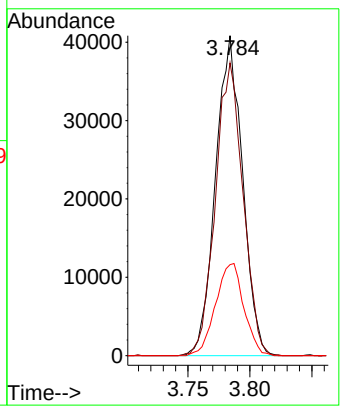




#35
Carbon Tetrachloride
Concen: 1.493 ppbv
RT: 3.784 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:117 Resp: 6189

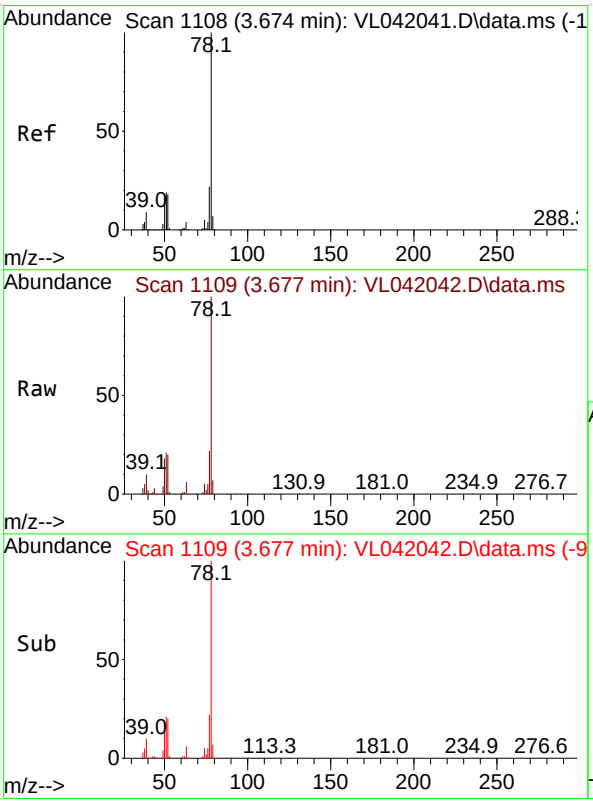
Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.8	113.6
121	28.5	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

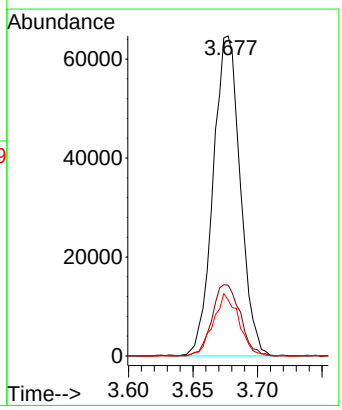
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

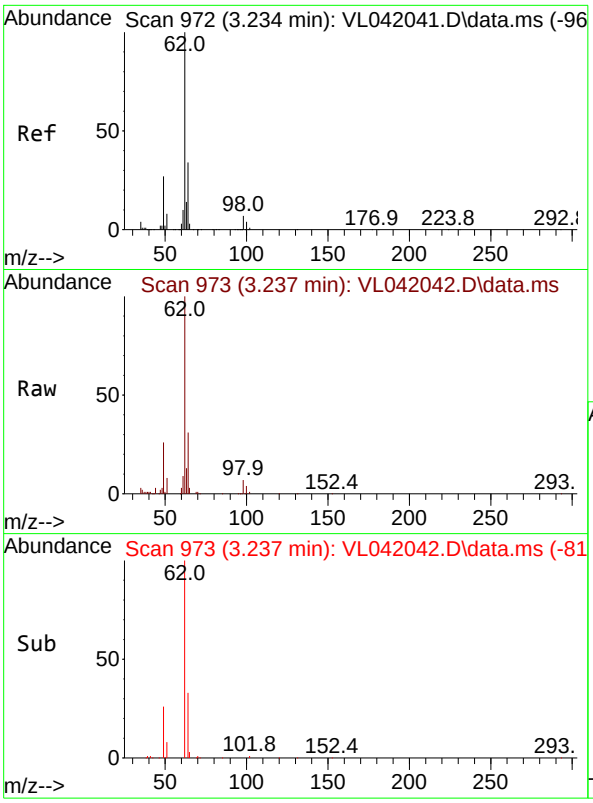


#36
Benzene
Concen: 1.822 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 78 Resp: 94277

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	17.4	15.2	22.8

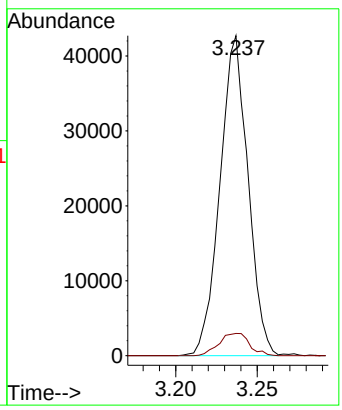




#37
1,2-Dichloroethane
Concen: 1.734 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 62 Resp: 5105

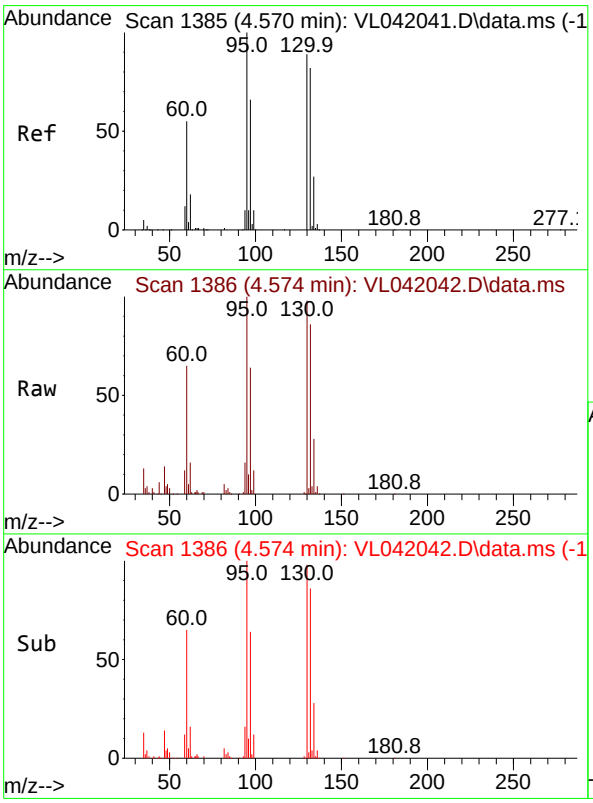
Ion	Ratio	Lower	Upper
62	100		
98	7.6	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

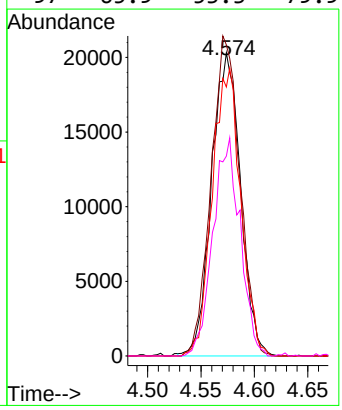
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

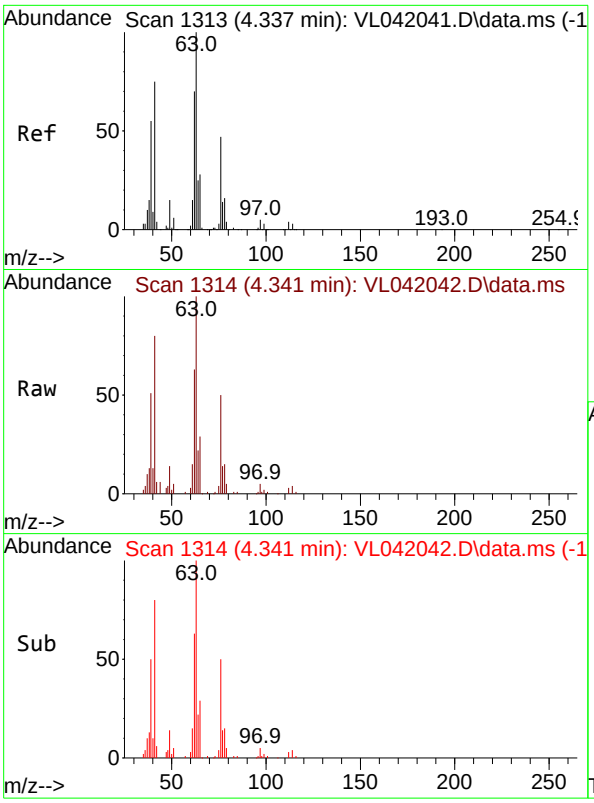


#38
Trichloroethene
Concen: 1.817 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:130 Resp: 38184

Ion	Ratio	Lower	Upper
130	100		
95	102.6	82.8	124.2
132	88.7	70.0	105.0
97	65.9	53.3	79.9

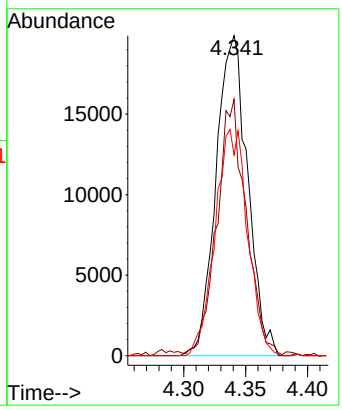




#39
1,2-Dichloropropane
Concen: 1.866 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 63 Resp: 3539

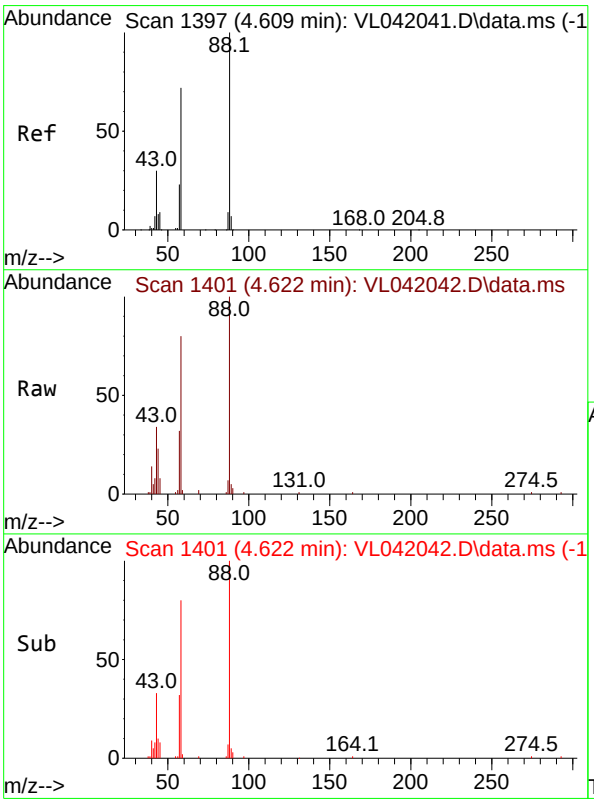
Ion	Ratio	Lower	Upper
63	100		
41	79.2	60.1	90.1
62	62.8	54.0	81.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

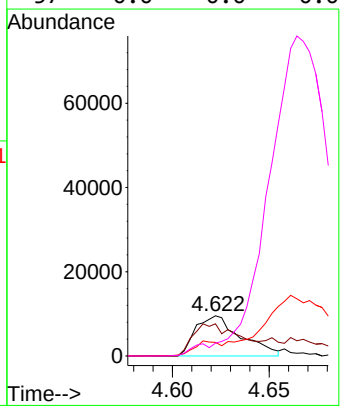
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

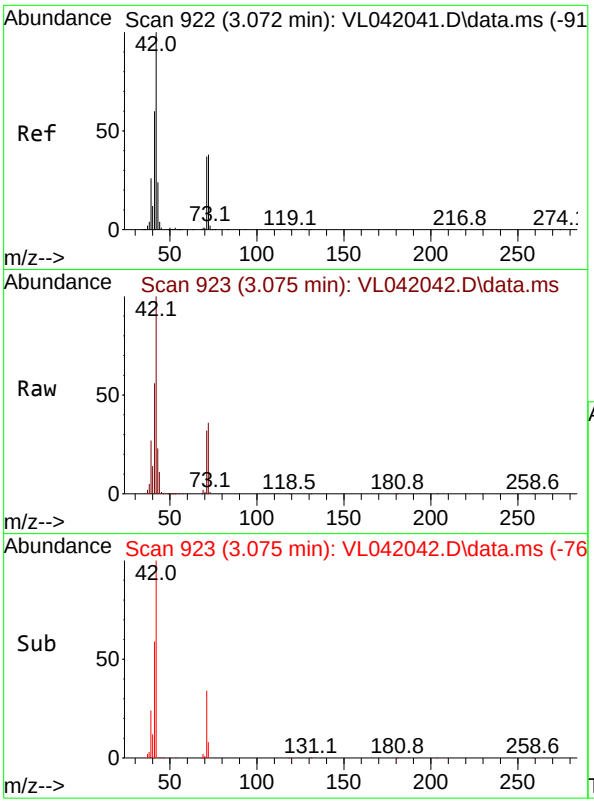


#40
1,4-Dioxane
Concen: 1.565 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 88 Resp: 15442

Ion	Ratio	Lower	Upper
88	100		
58	138.2	58.1	87.1#
43	0.0	27.3	40.9#
57	0.0	0.0	0.0

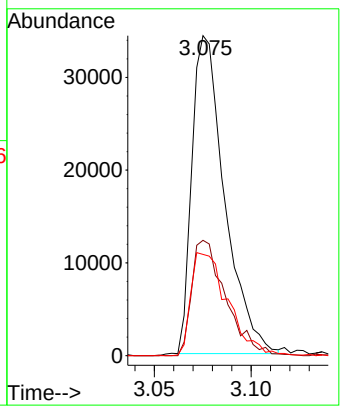




#41
Tetrahydrofuran
Concen: 1.922 ppbv
RT: 3.075 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 42 Resp: 4036

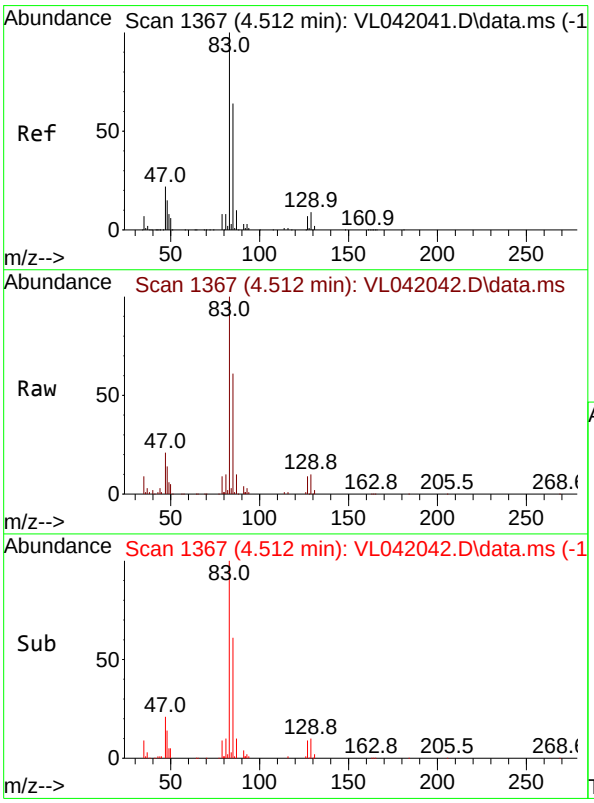
Ion	Ratio	Lower	Upper
42	100		
72	37.9	32.3	48.5
71	36.7	30.9	46.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

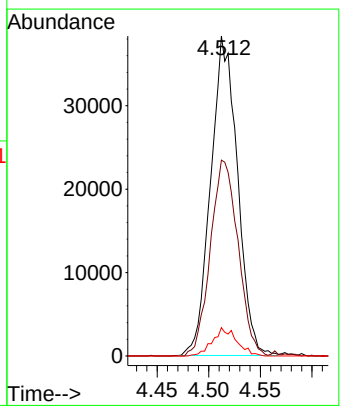
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

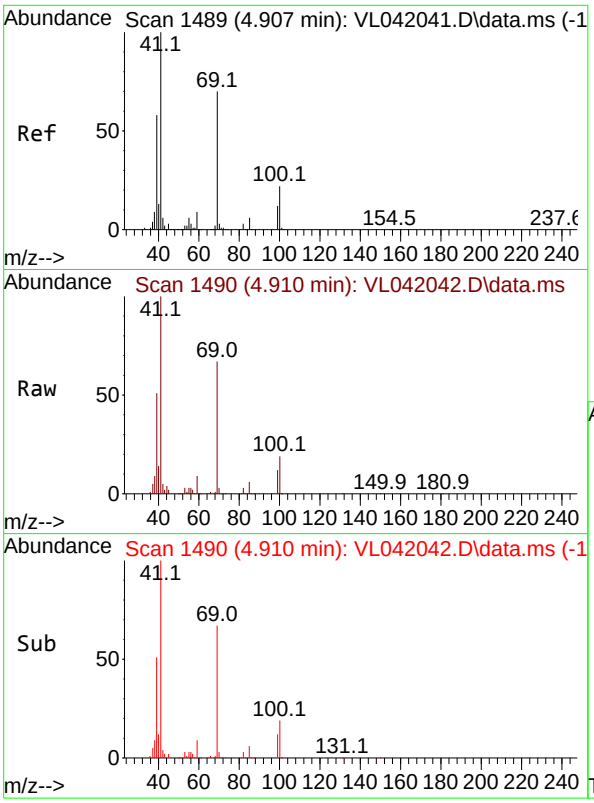


#42
Bromodichloromethane
Concen: 1.733 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 83 Resp: 69154

Ion	Ratio	Lower	Upper
83	100		
85	61.3	53.3	79.9
127	8.9	6.0	9.0

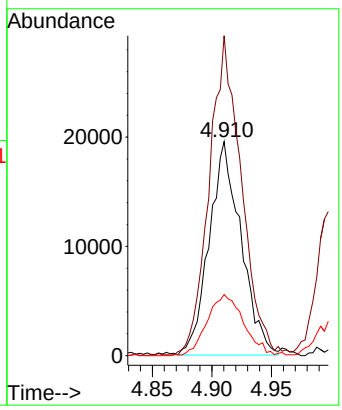




#43
Methyl Methacrylate
Concen: 1.543 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 69 Resp: 3639

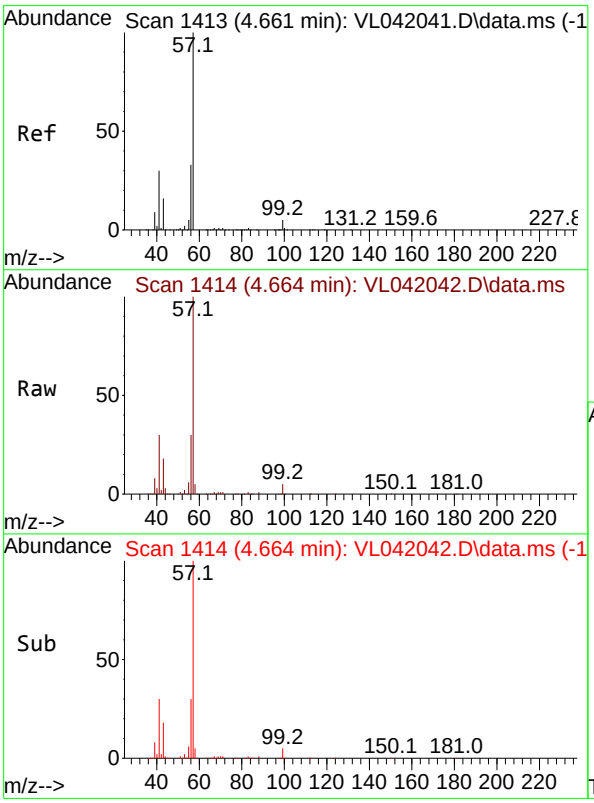
Ion	Ratio	Lower	Upper
69	100		
41	151.7	114.9	172.3
100	33.0	28.8	43.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

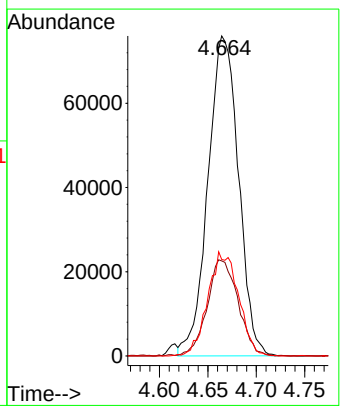
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

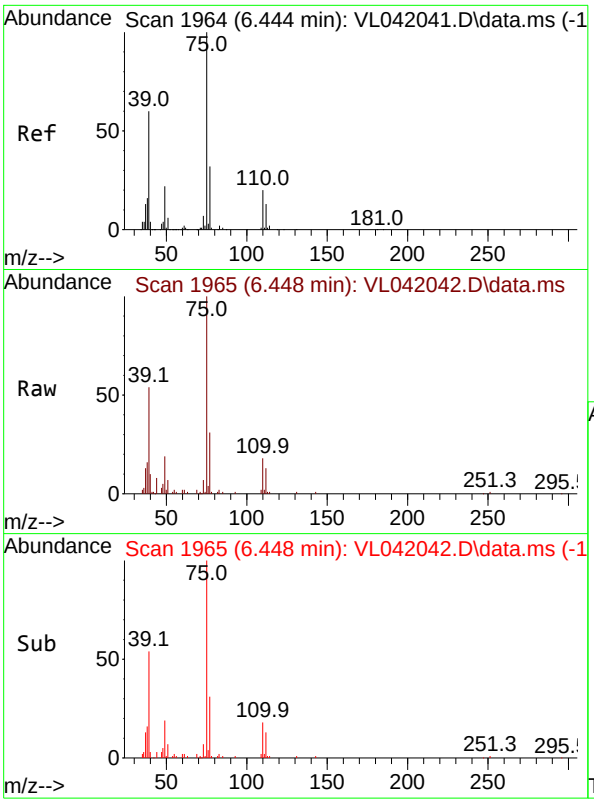


#44
2,2,4-Trimethylpentane
Concen: 1.901 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 166945

Ion	Ratio	Lower	Upper
57	100		
41	30.6	25.9	38.9
56	32.5	24.9	37.3

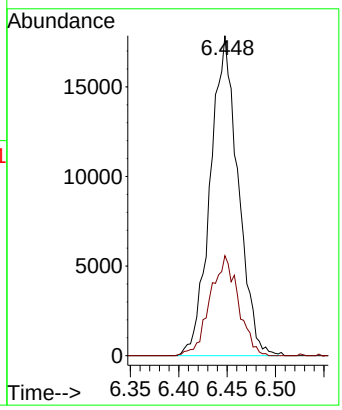




#45
t-1,3-Dichloropropene
Concen: 1.604 ppbv
RT: 6.448 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 75 Resp: 3570

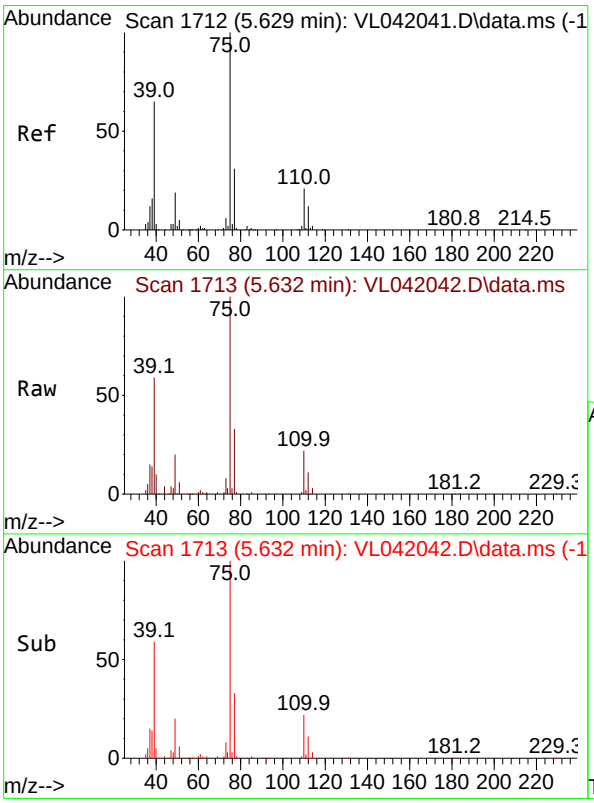
Ion	Ratio	Lower	Upper
75	100		
77	31.3	22.1	33.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

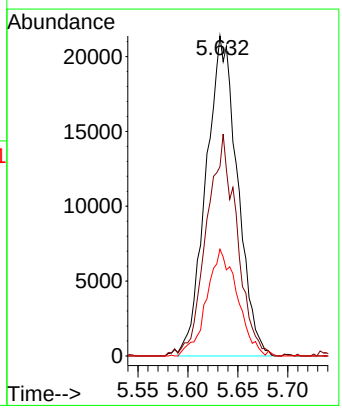
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

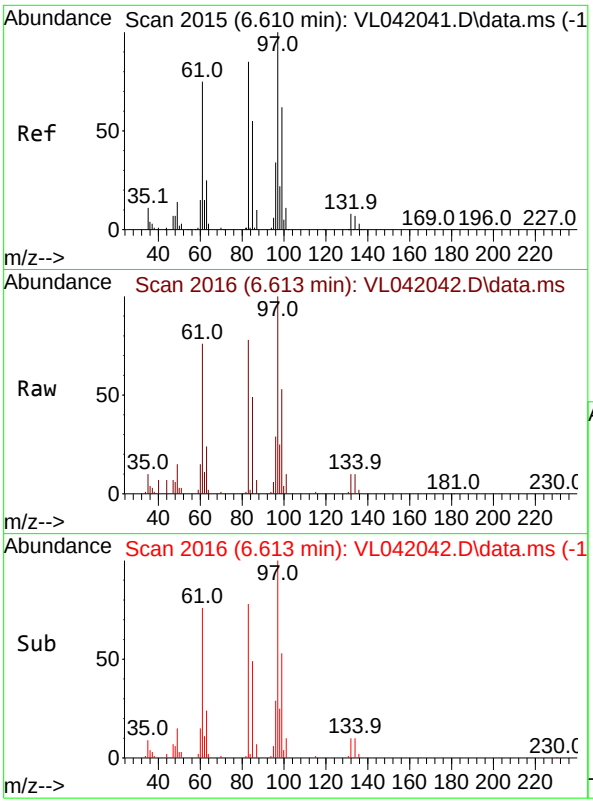


#46
cis-1,3-Dichloropropene
Concen: 1.658 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 75 Resp: 46835

Ion	Ratio	Lower	Upper
75	100		
39	59.1	52.2	78.4
77	33.4	24.5	36.7

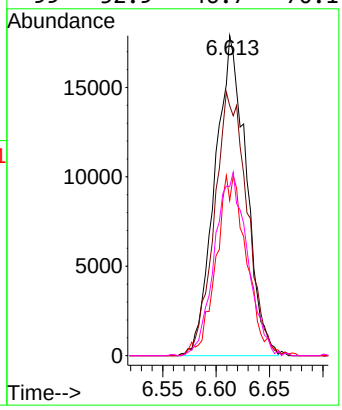




#47
1,1,2-Trichloroethane
Concen: 1.822 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 97 Resp: 3636

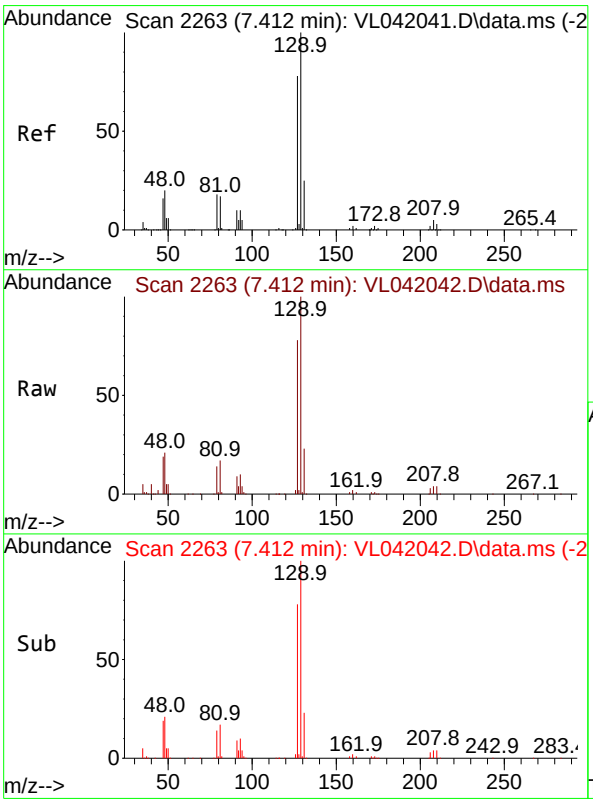
Ion	Ratio	Lower	Upper
97	100		
83	78.1	68.6	102.8
85	48.5	42.2	63.4
99	52.9	46.7	70.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

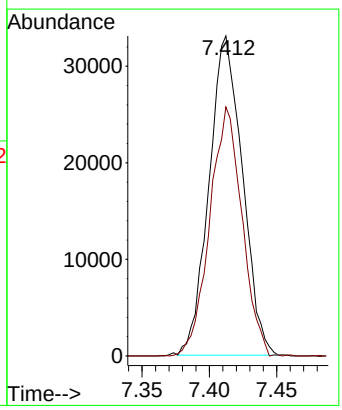
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

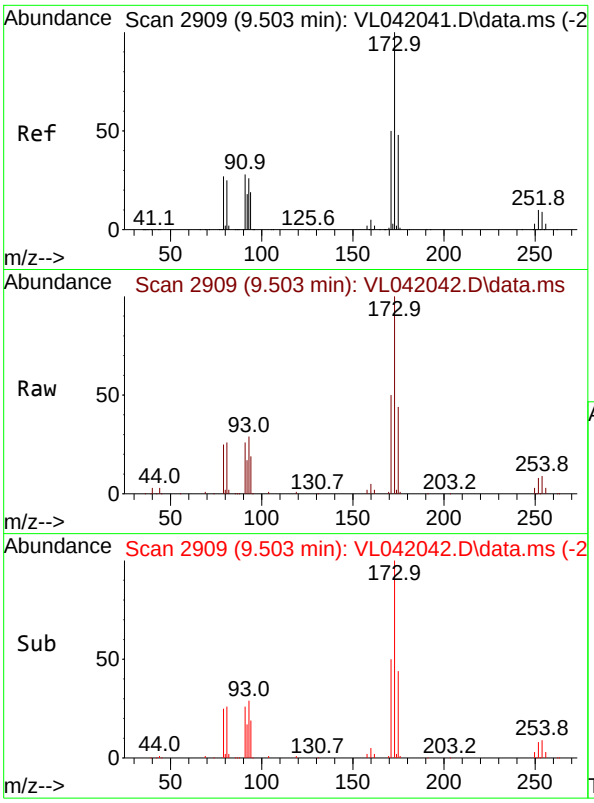


#48
Dibromochloromethane
Concen: 1.703 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:129 Resp: 56931

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.2	114.6

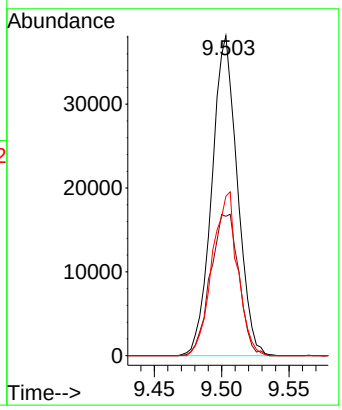




#49
Bromoform
Concen: 1.833 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:173 Resp: 5025

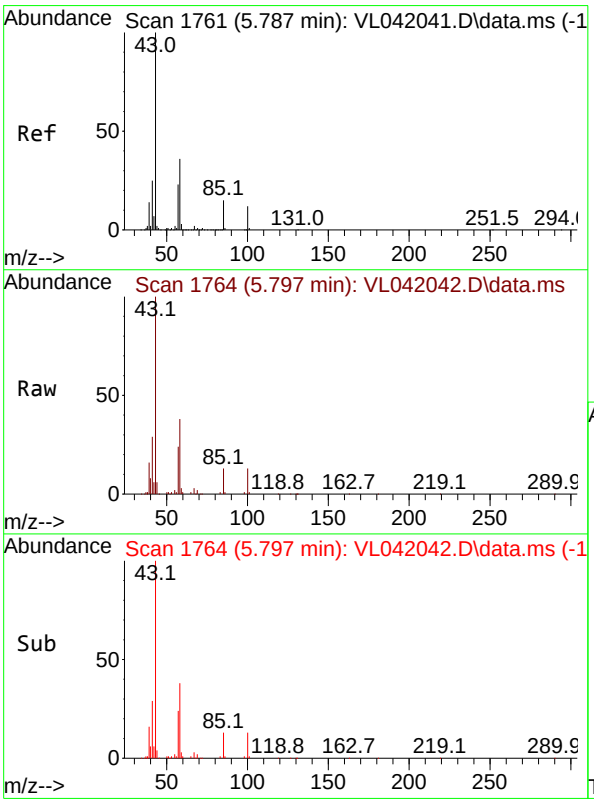
Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.3	58.9
171	51.1	41.4	62.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

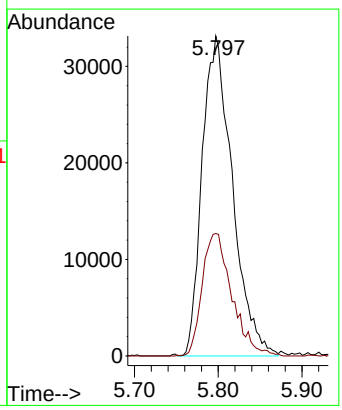
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

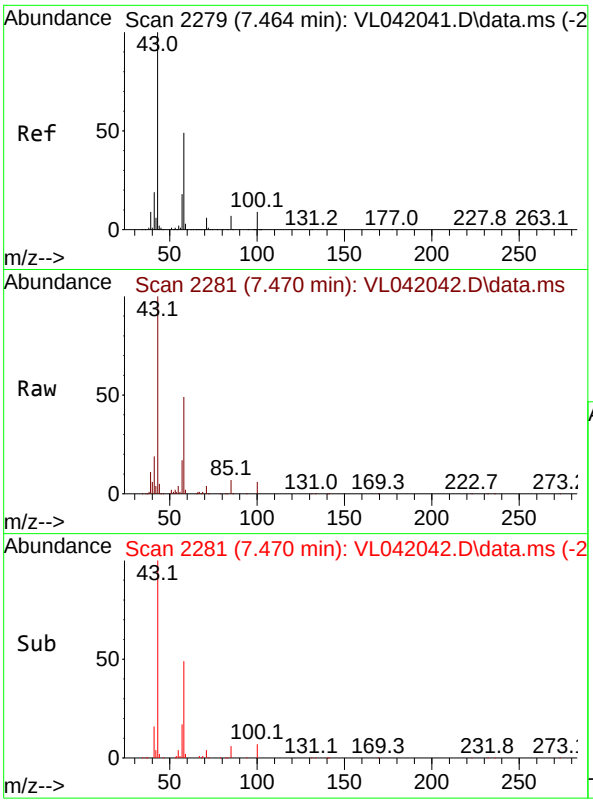


#50
4-Methyl-2-Pentanone
Concen: 1.474 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 83246

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

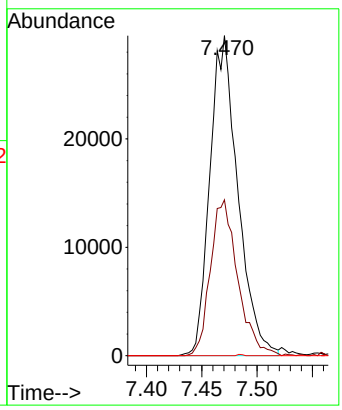




#51
2-Hexanone
Concen: 1.124 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 5192

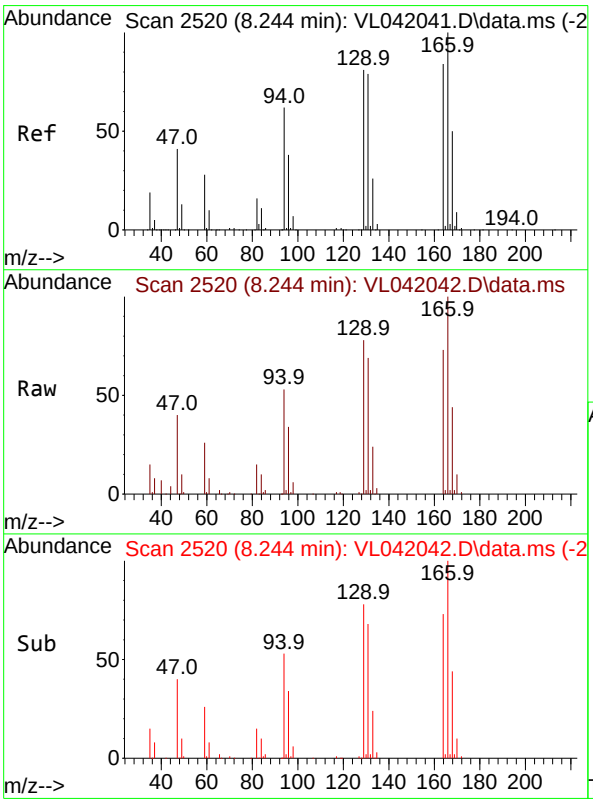
Ion	Ratio	Lower	Upper
43	100		
58	47.5	41.4	62.0
98	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

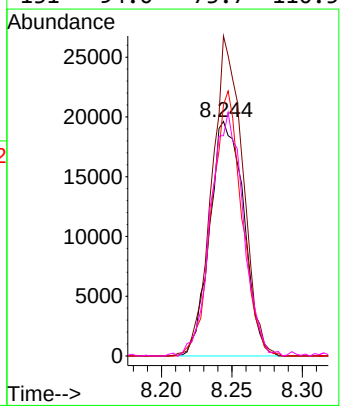
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

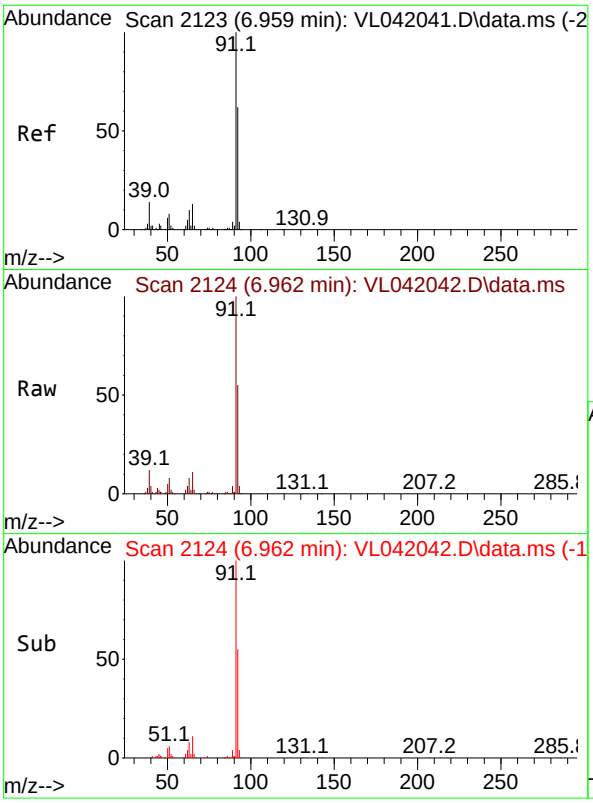


#52
Tetrachloroethene
Concen: 1.822 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:164 Resp: 32874

Ion	Ratio	Lower	Upper
164	100		
166	136.1	102.2	153.2
129	107.1	82.2	123.4
131	94.0	73.7	110.5

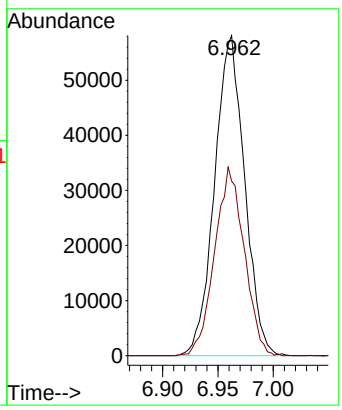




#53
Toluene
Concen: 1.779 ppbv
RT: 6.962 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 10964

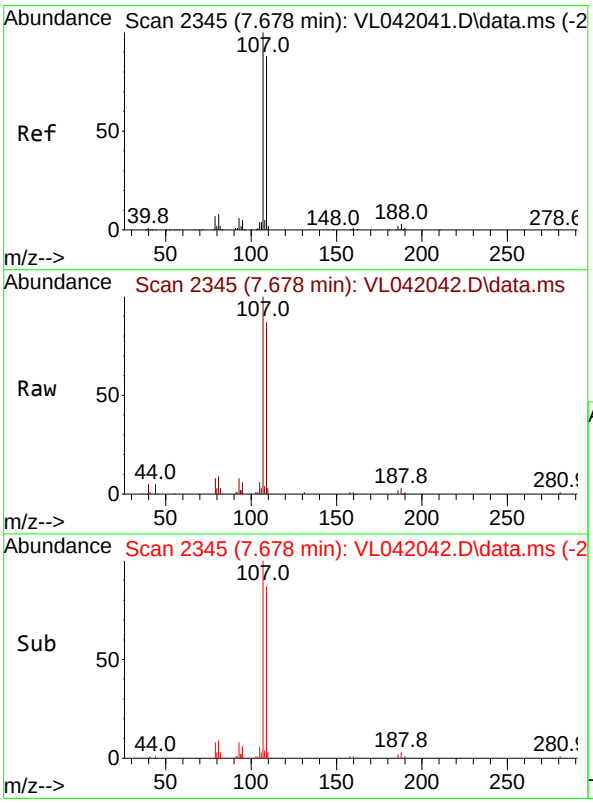
Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.5	71.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

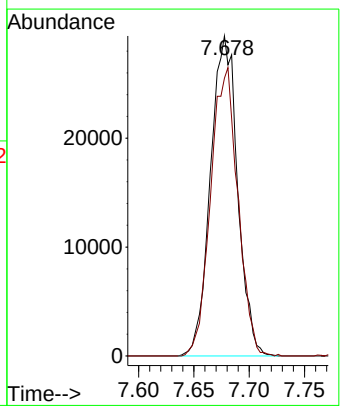
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

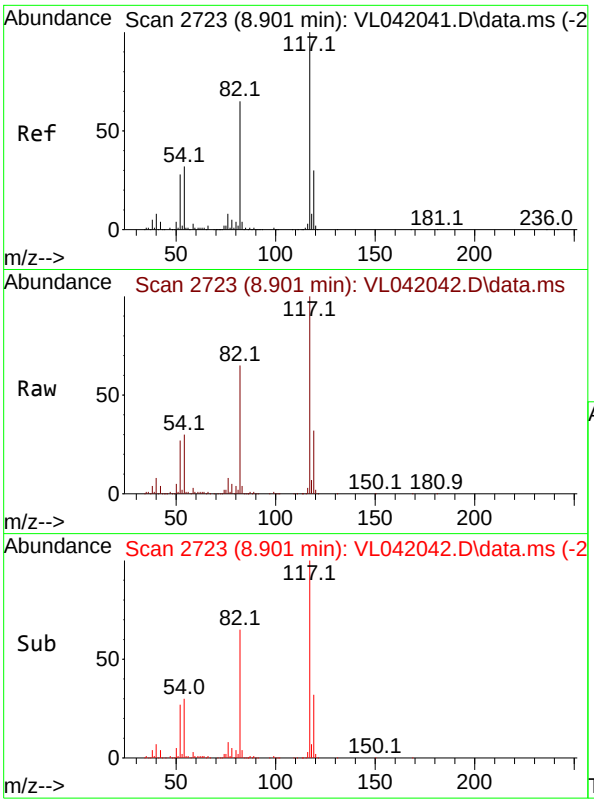


#54
1,2-Dibromoethane
Concen: 1.820 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:107 Resp: 50010

Ion	Ratio	Lower	Upper
107	100		
109	86.8	71.5	107.3

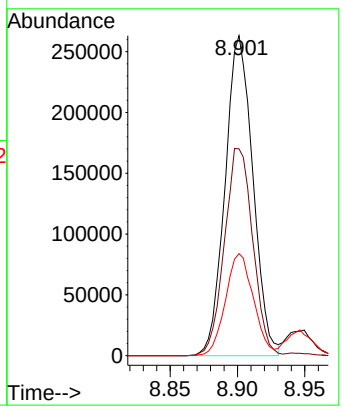




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:117 Resp: 37791

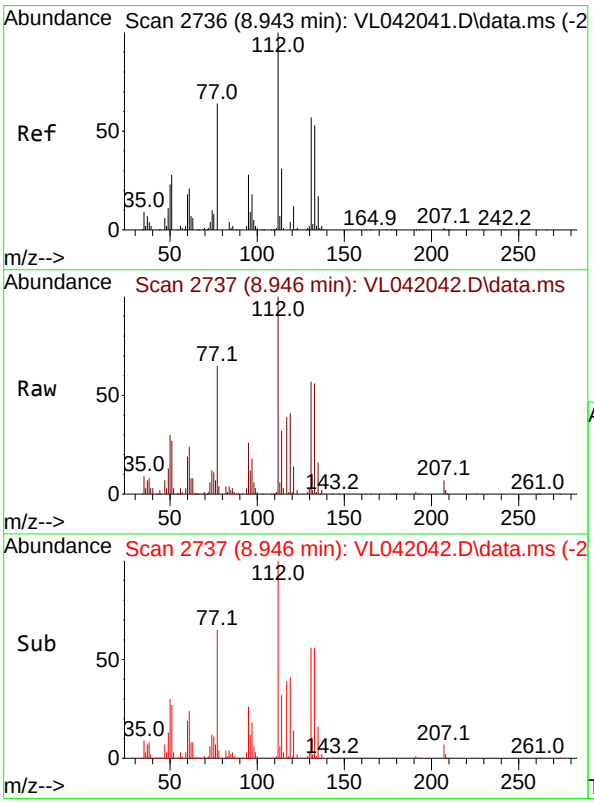
Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.7	83.5
119	32.4	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

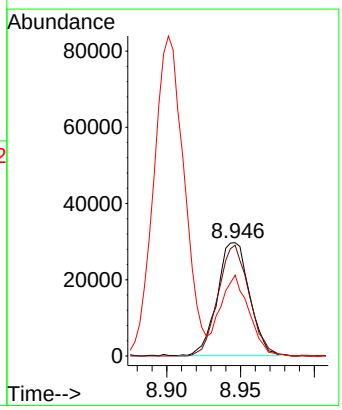
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

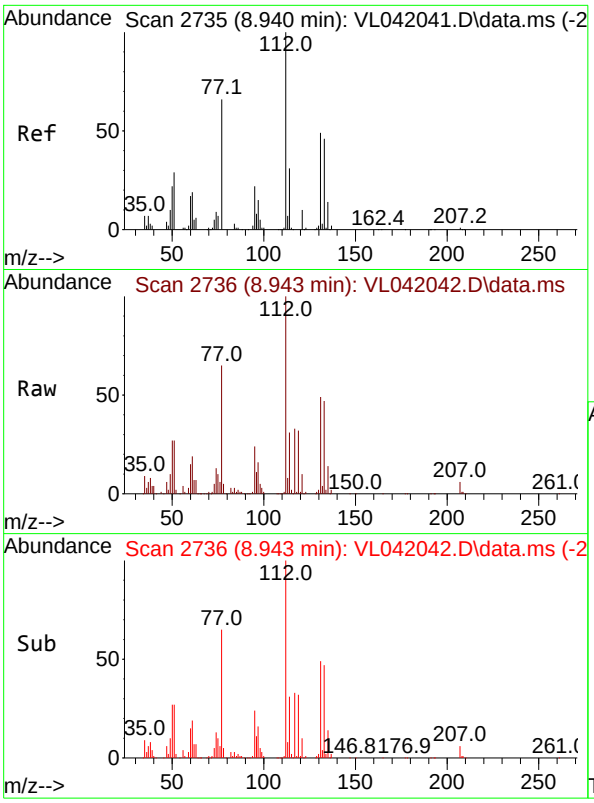


#56
1,1,1,2-Tetrachloroethane
Concen: 1.662 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:131 Resp: 44947

Ion	Ratio	Lower	Upper
131	100		
133	95.0	77.8	116.8
119	61.8	49.1	73.7

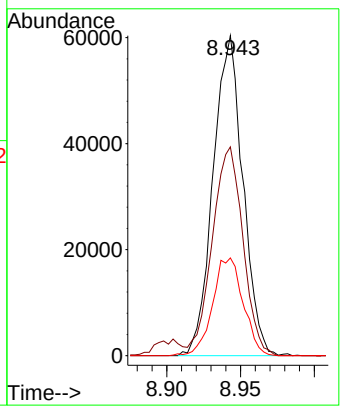




#57
Chlorobenzene
Concen: 1.906 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:112 Resp: 8474

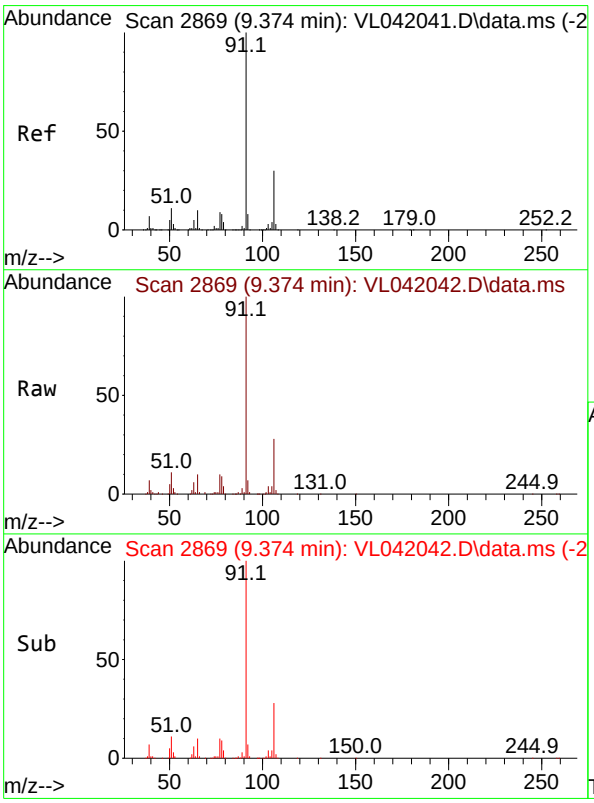
Ion	Ratio	Lower	Upper
112	100		
77	65.2	56.2	84.2
114	30.6	28.2	34.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

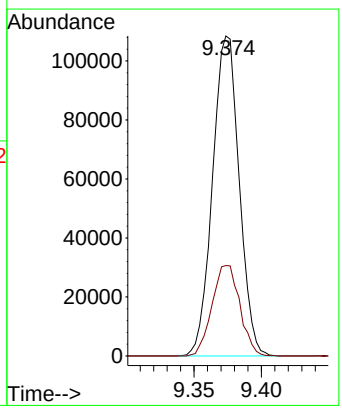
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

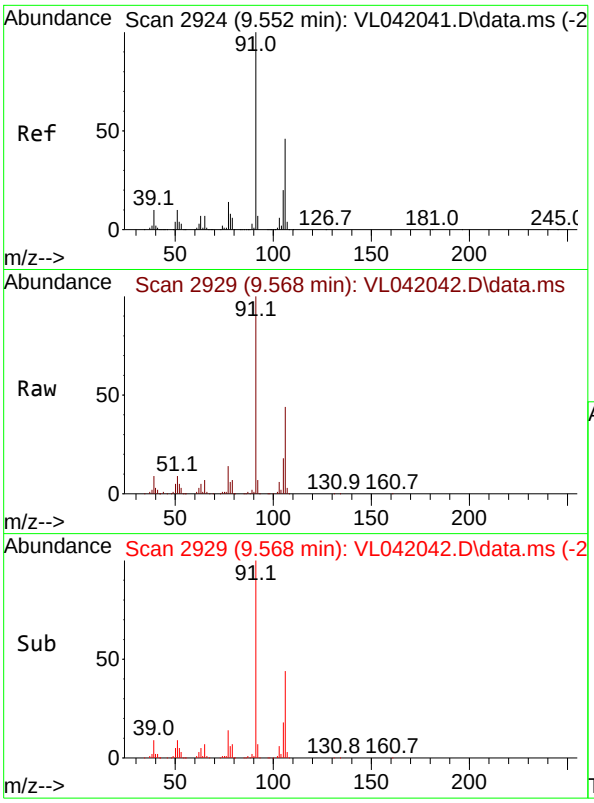


#58
Ethyl Benzene
Concen: 1.804 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 149185

Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.1	34.7

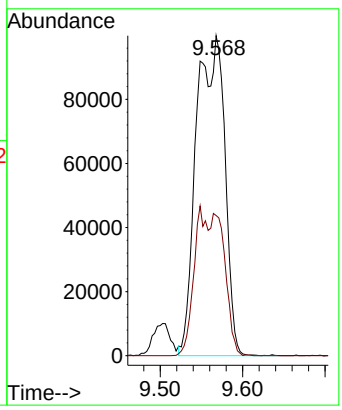




#59
m/p-Xylene
Concen: 3.666 ppbv m
RT: 9.568 min Scan# 2
Delta R.T. 0.020 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 23880

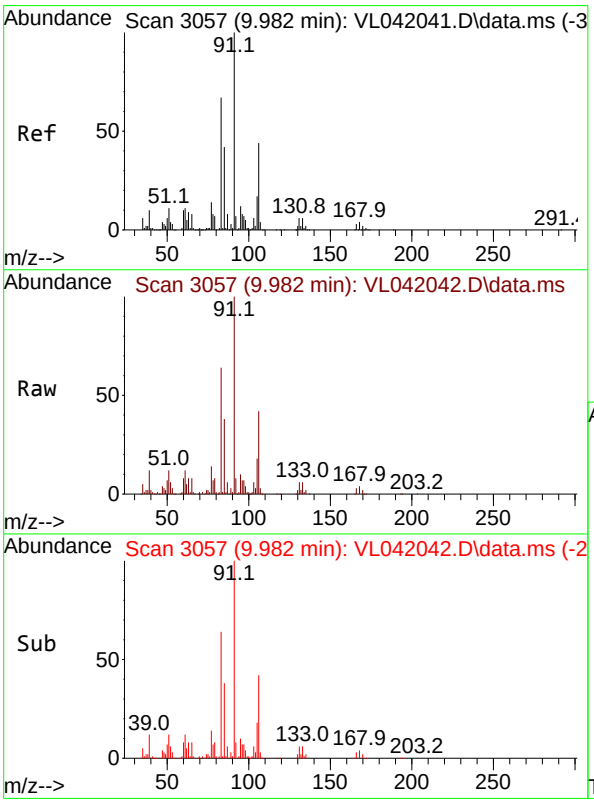
Ion	Ratio	Lower	Upper
91	100		
106	47.0	35.8	53.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

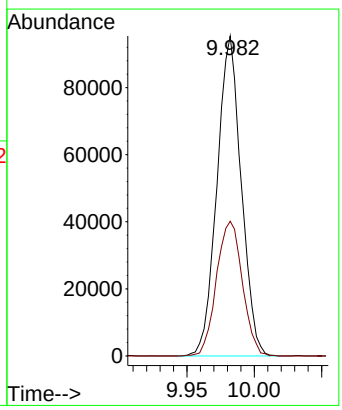
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

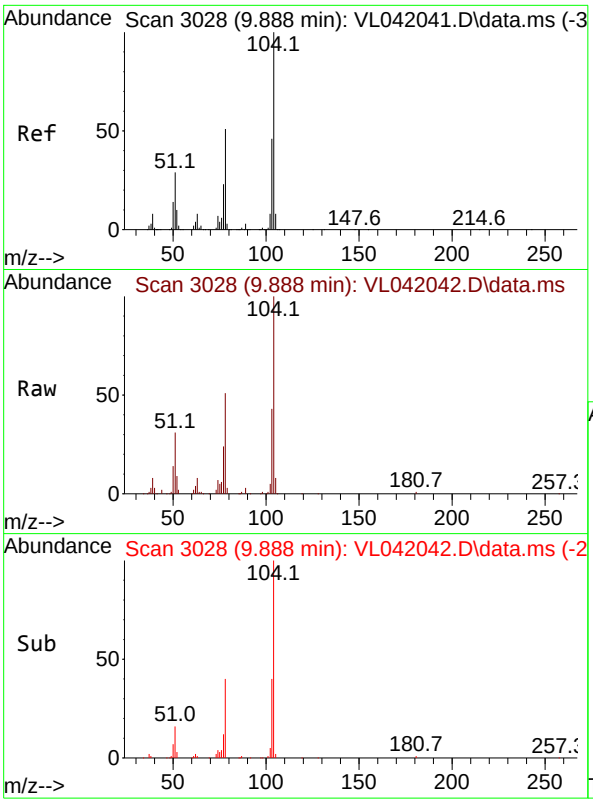


#60
o-Xylene
Concen: 1.809 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 119170

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.4	64.3

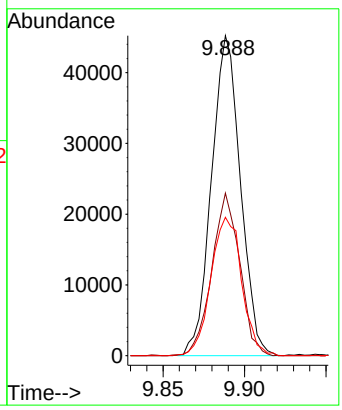




#61
Styrene
Concen: 1.776 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:104 Resp: 5579

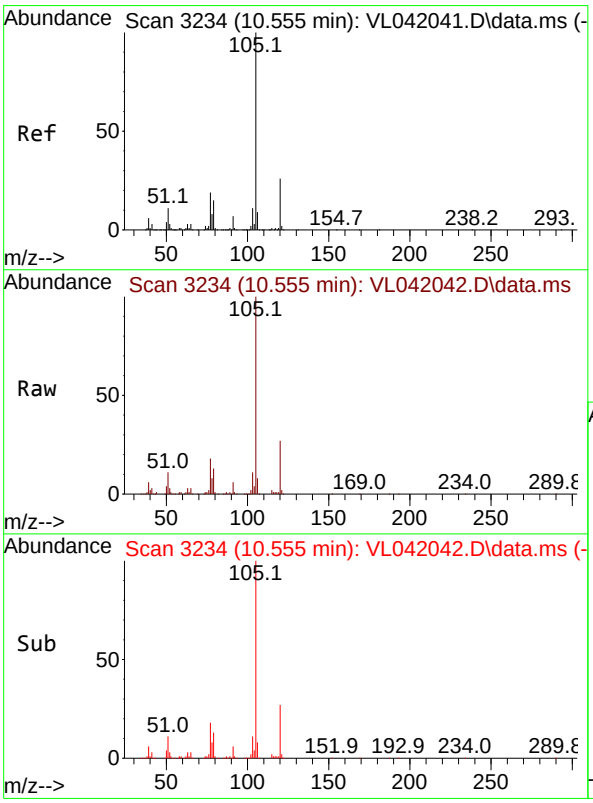
Ion	Ratio	Lower	Upper
104	100		
78	49.1	42.2	63.4
103	46.2	38.1	57.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

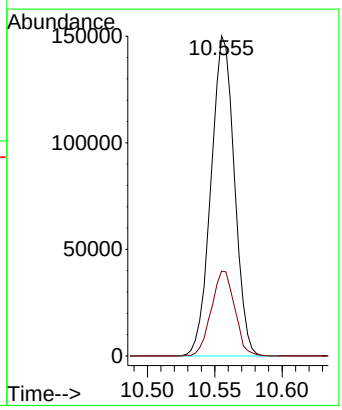
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

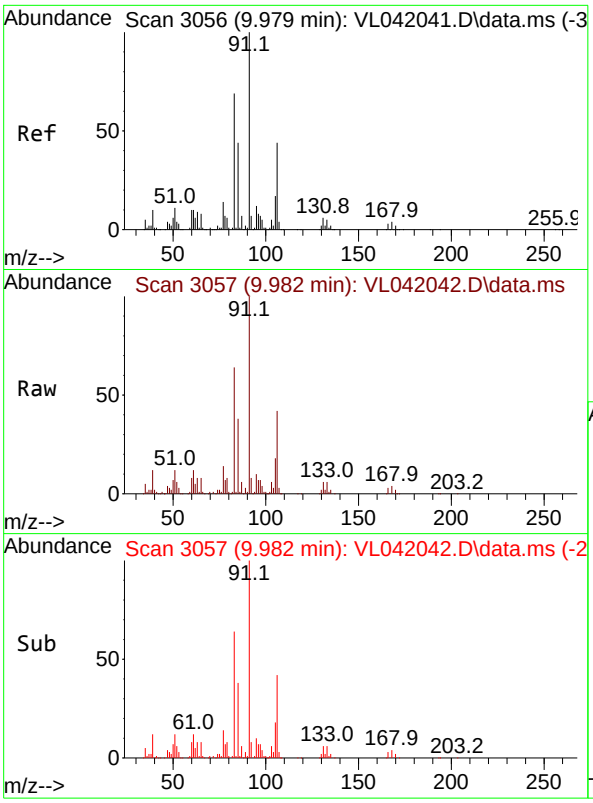


#62
Isopropylbenzene
Concen: 1.833 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 181311

Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 1.833 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

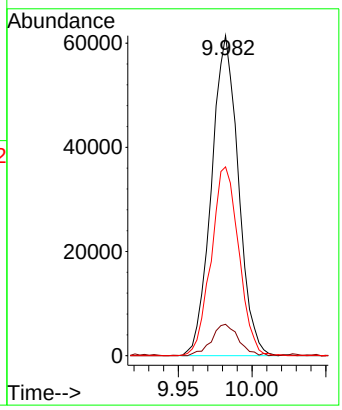
Tgt Ion: 83 Resp: 7791

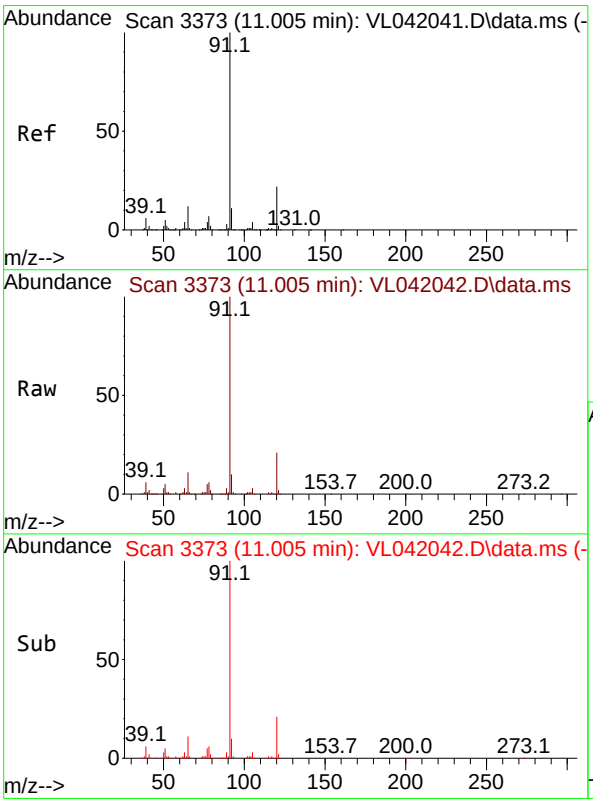
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	60.6	32.1	96.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

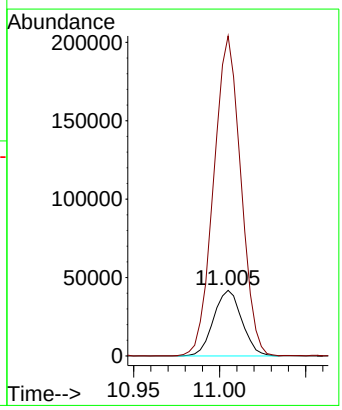


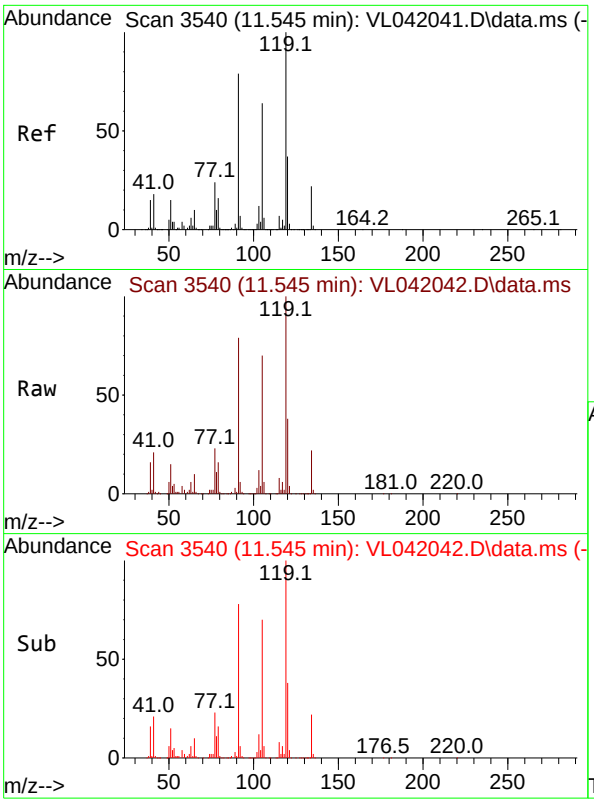


#64
n-propylbenzene
Concen: 1.965 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:120 Resp: 47764

Ion	Ratio	Lower	Upper
120	100		
91	469.7	392.2	588.2





#65
tert-Butylbenzene
Concen: 1.948 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

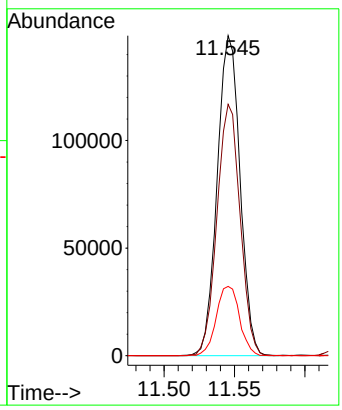
Tgt Ion:119 Resp: 16797

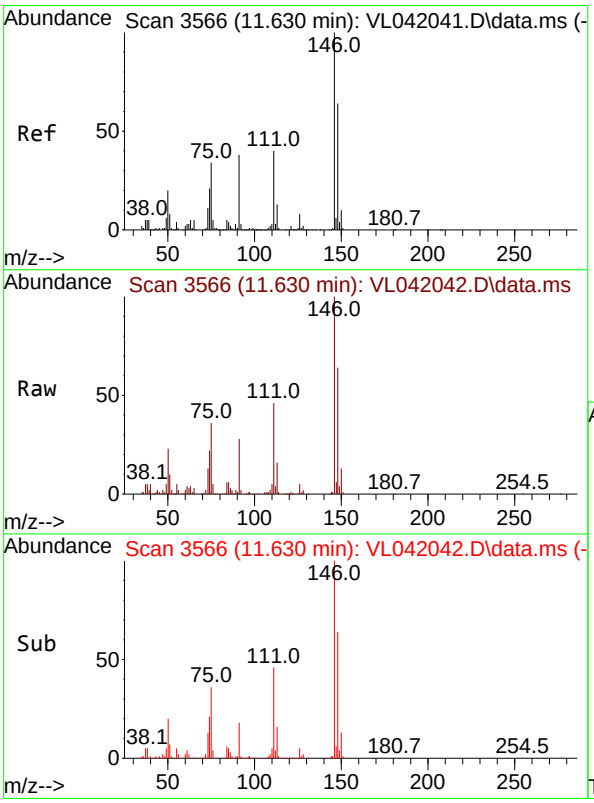
Ion	Ratio	Lower	Upper
119	100		
91	79.5	66.5	99.7
134	22.1	16.6	24.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

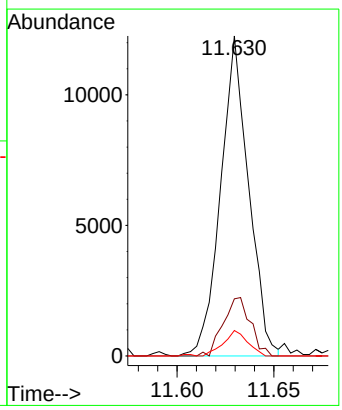


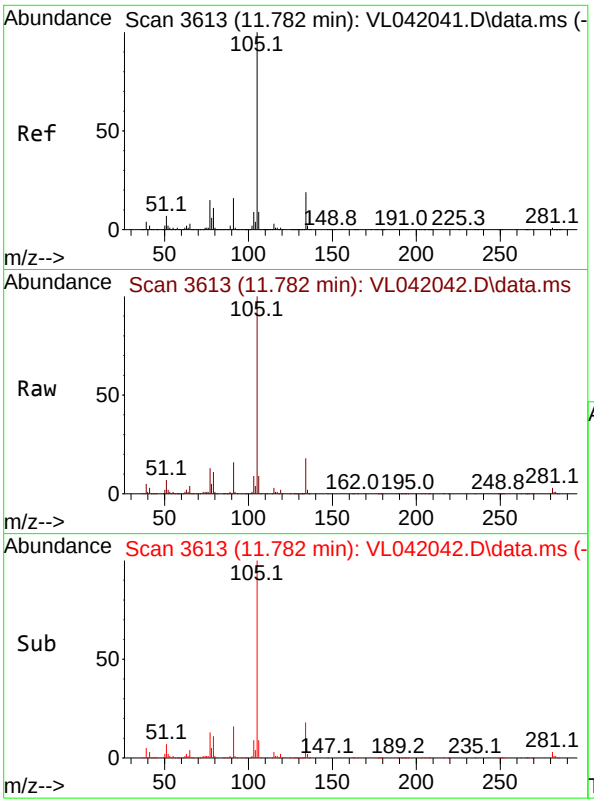


#66
Benzyl Chloride
Concen: 1.423 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 12304

Ion	Ratio	Lower	Upper
91	100		
126	17.7	13.8	20.6
128	7.0	4.1	6.1#

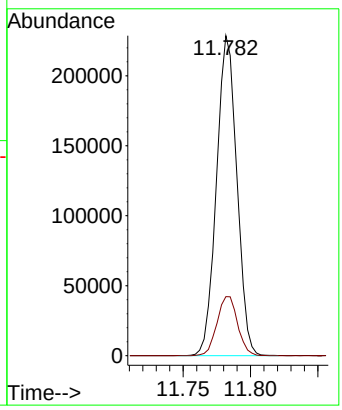




#67
sec-Butylbenzene
Concen: 1.986 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 24050

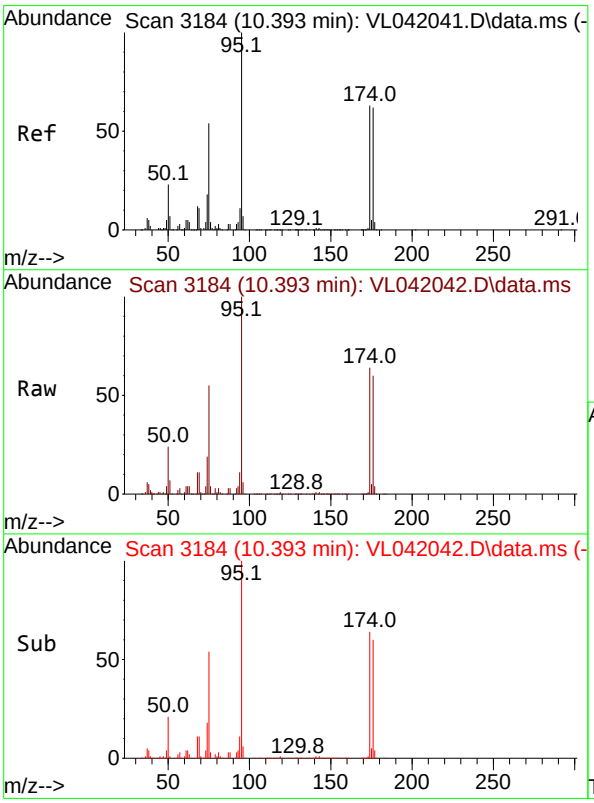
Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.7	22.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

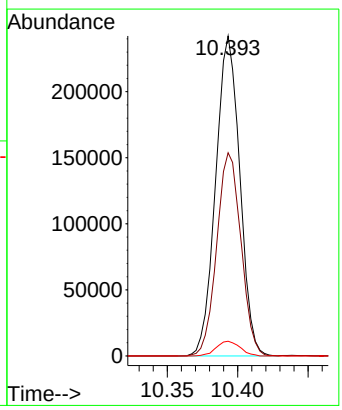
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

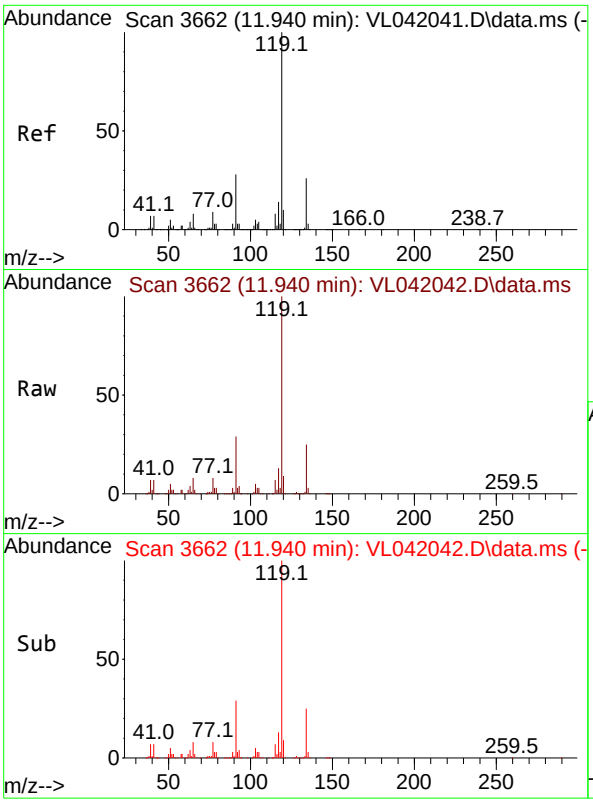


#68
1-Bromo-4-Fluorobenzene
Concen: 9.273 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 95 Resp: 289049

Ion	Ratio	Lower	Upper
95	100		
174	63.8	46.7	70.1
175	4.5	3.7	5.5

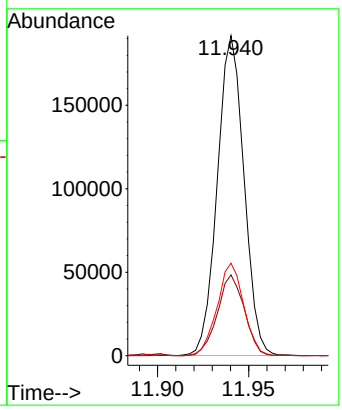




#69
p-Isopropyltoluene
Concen: 1.963 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:119 Resp: 19466

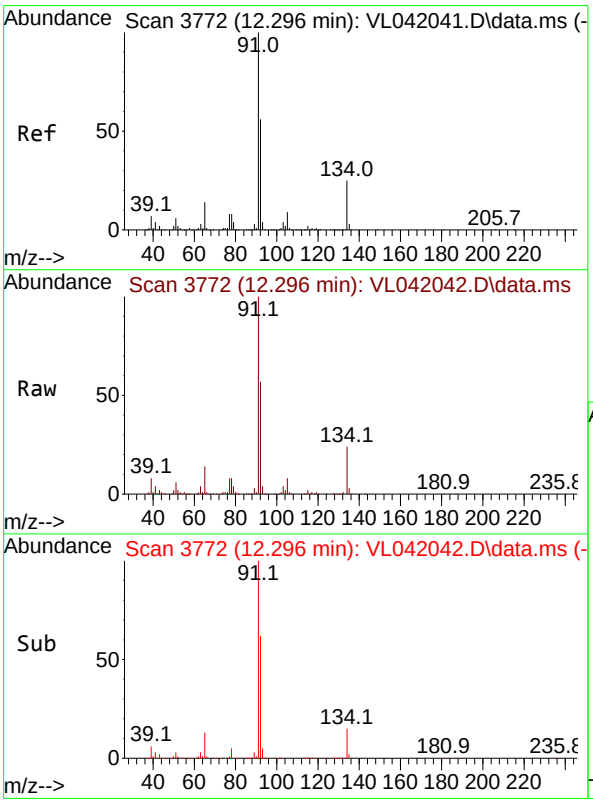
Ion	Ratio	Lower	Upper
119	100		
134	25.6	19.4	29.0
91	29.2	23.4	35.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

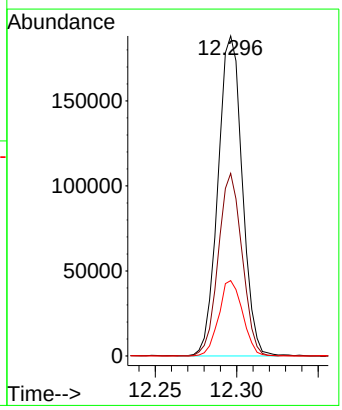
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

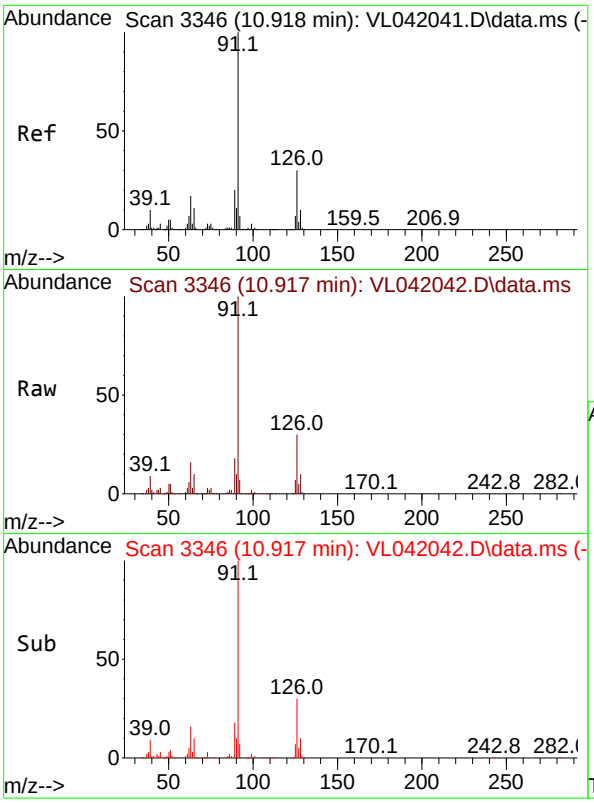


#70
n-Butylbenzene
Concen: 1.991 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 194416

Ion	Ratio	Lower	Upper
91	100		
92	56.0	43.8	65.8
134	23.2	18.6	27.8

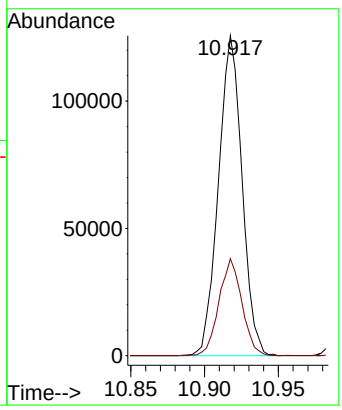




#71
2-Chlorotoluene
Concen: 1.880 ppbv
RT: 10.917 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 14006

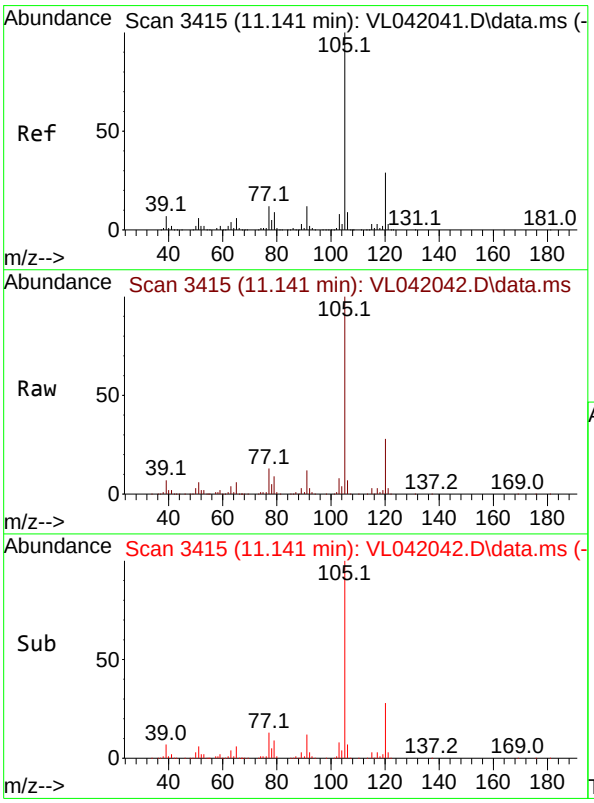
Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.2	45.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

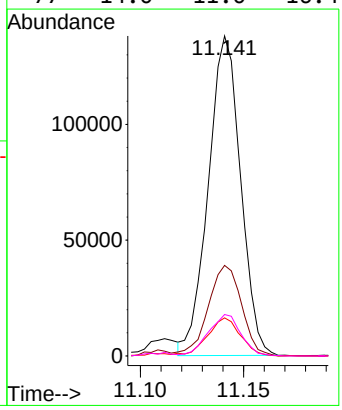
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

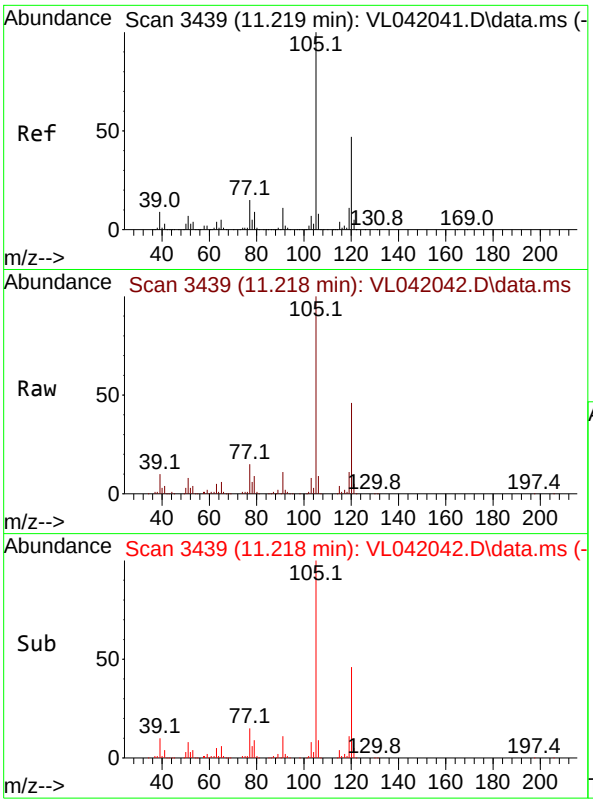


#72
4-Ethyltoluene
Concen: 1.944 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150038

Ion	Ratio	Lower	Upper
105	100		
120	30.6	22.7	34.1
91	12.9	10.2	15.2
77	14.0	11.0	16.4

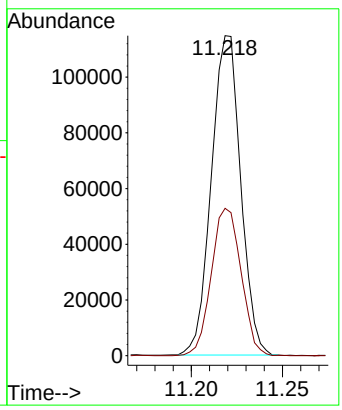




#73
1,3,5-Trimethylbenzene
Concen: 1.925 ppbv
RT: 11.218 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 12820

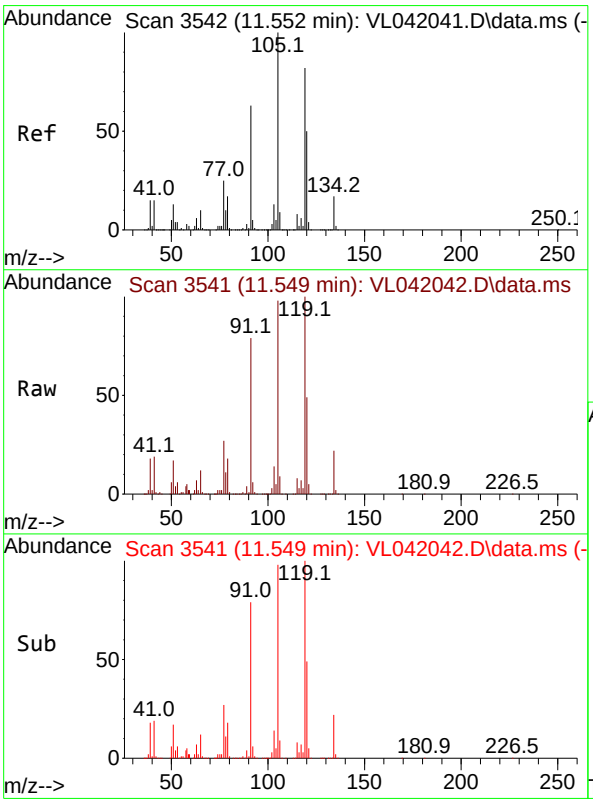
Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.1	55.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

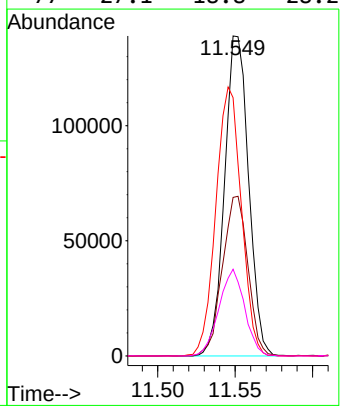
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

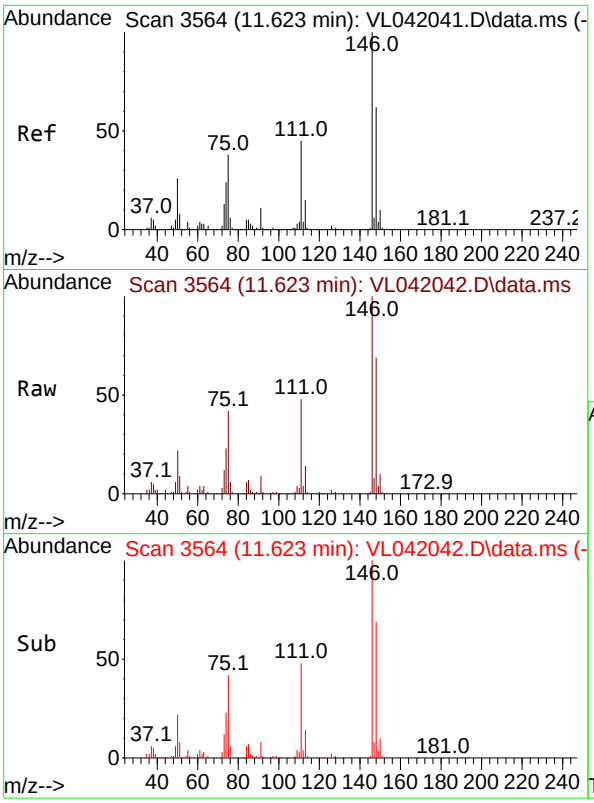


#74
1,2,4-Trimethylbenzene
Concen: 2.104 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150380

Ion	Ratio	Lower	Upper
105	100		
120	49.5	37.5	56.3
91	80.7	51.7	77.5#
77	27.1	18.8	28.2

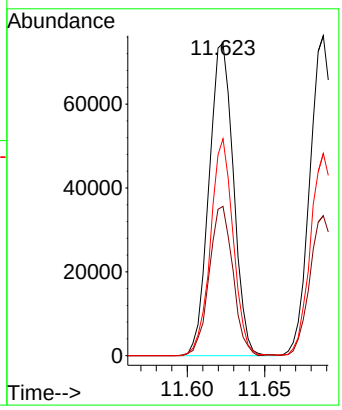




#75
1,3-Dichlorobenzene
Concen: 2.129 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 8188

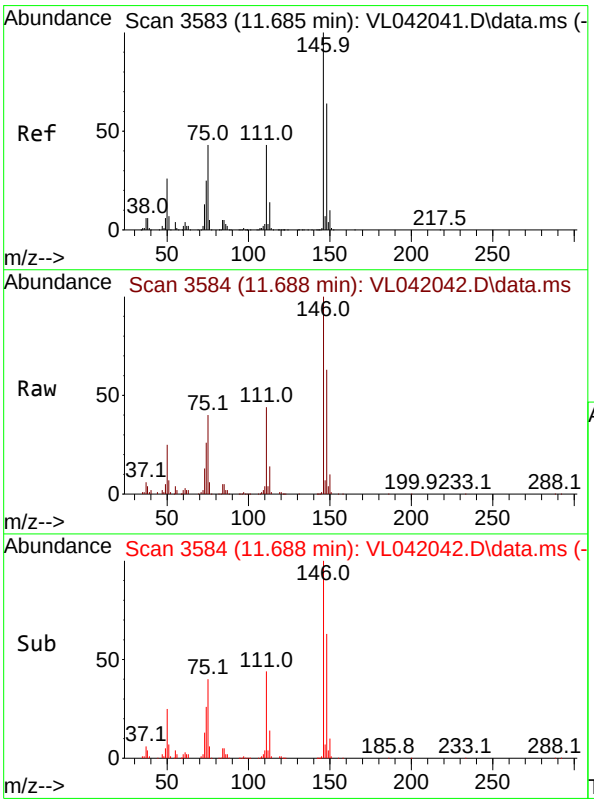
Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.9	71.7
148	64.4	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

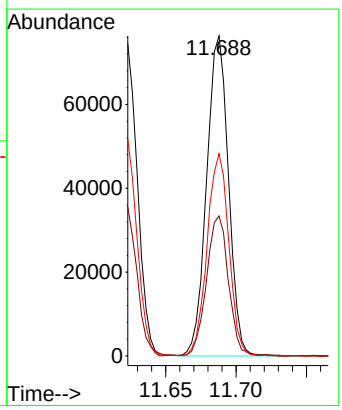
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

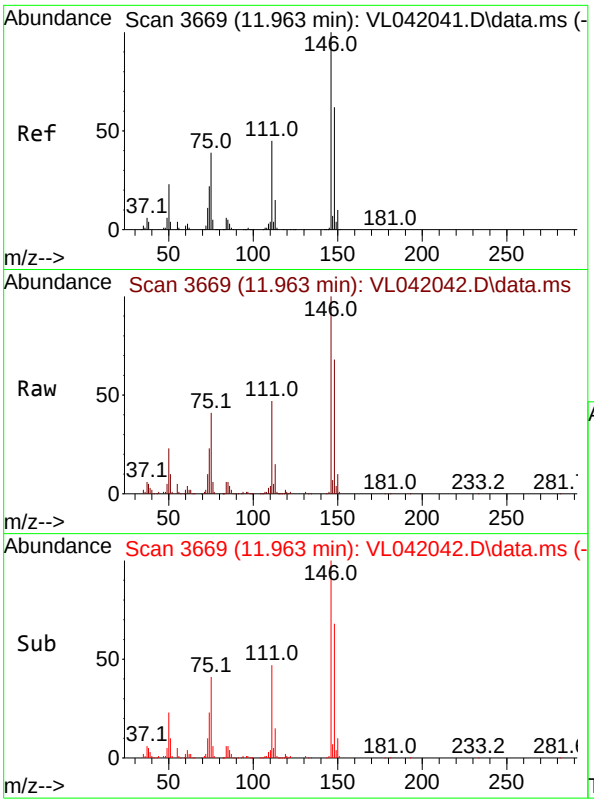


#76
1,4-Dichlorobenzene
Concen: 2.201 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 82560

Ion	Ratio	Lower	Upper
146	100		
111	44.2	23.5	70.5
148	63.0	32.3	96.9

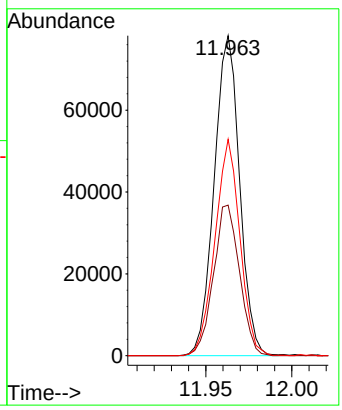




#77
1,2-Dichlorobenzene
Concen: 2.186 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 8036

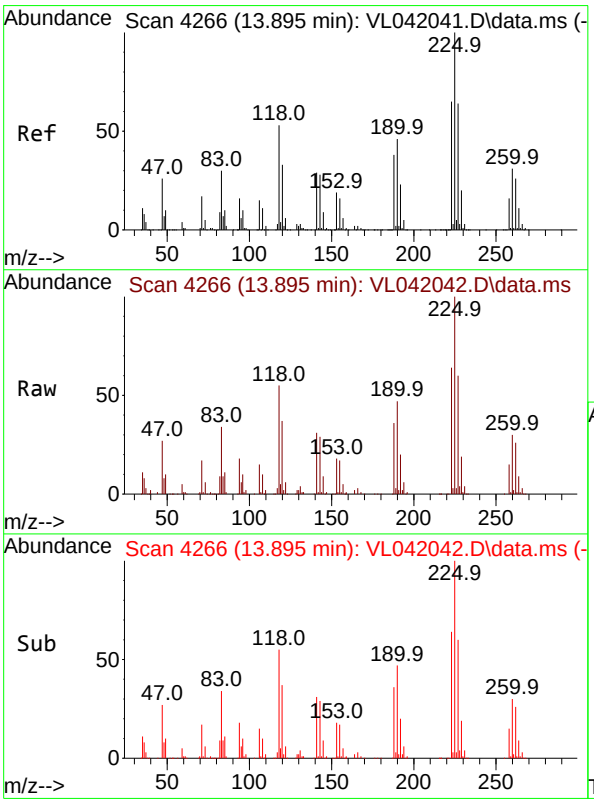
Ion	Ratio	Lower	Upper
146	100		
111	48.3	25.6	76.8
148	66.6	31.9	95.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

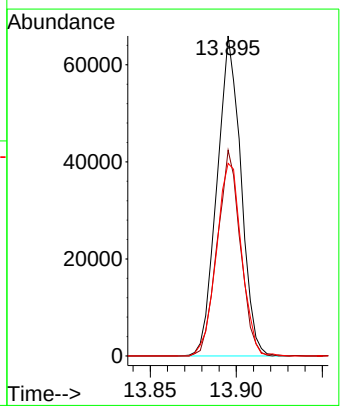
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

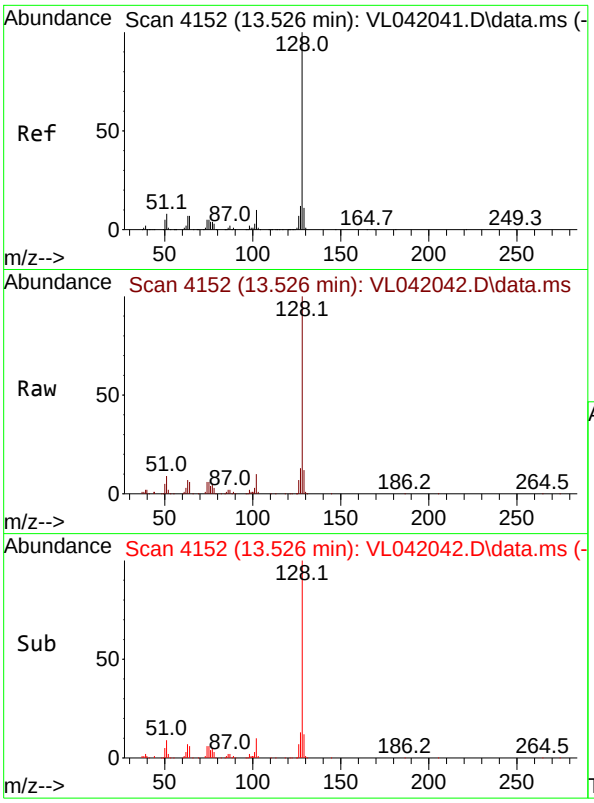


#78
Hexachloro-1,3-Butadiene
Concen: 2.098 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:225 Resp: 63815

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	75.8
227	63.3	50.9	76.3

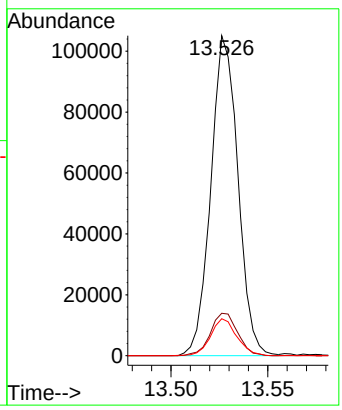




#79
Naphthalene
Concen: 1.454 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:128 Resp: 10219

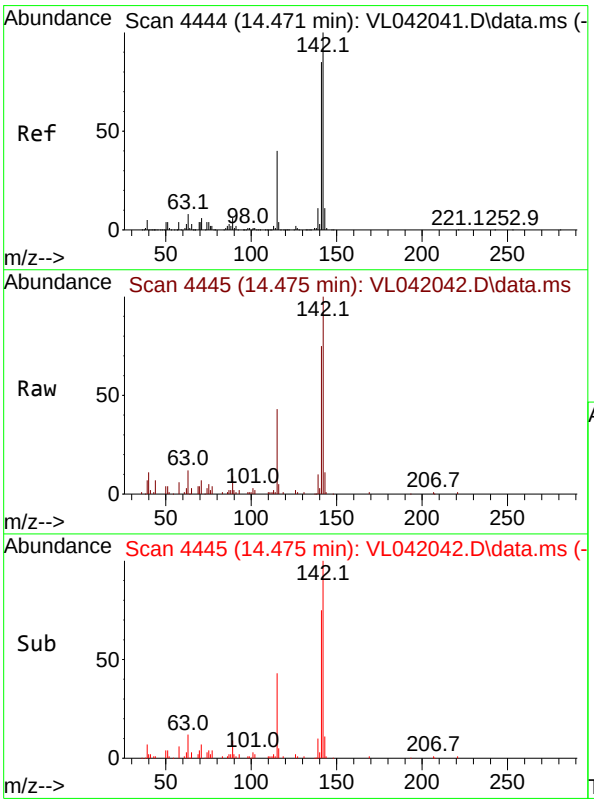
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.6	8.6	13.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

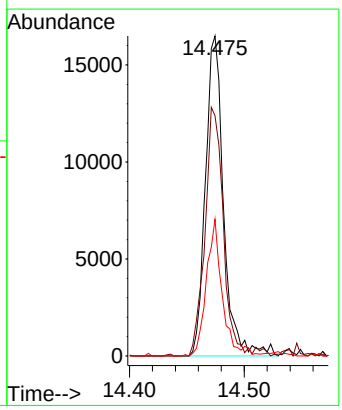
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

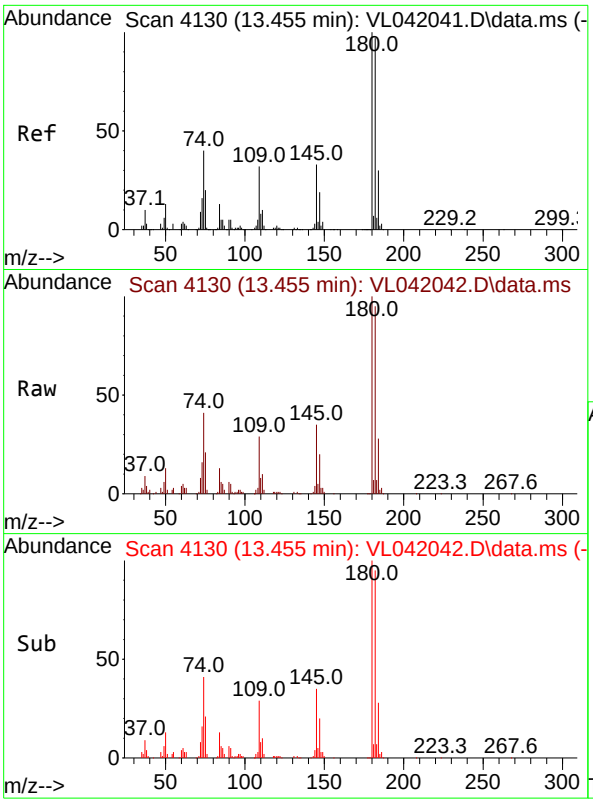


#80
Naphthalene,2-methyl-
Concen: 0.569 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:142 Resp: 18104

Ion	Ratio	Lower	Upper
142	100		
141	79.7	68.2	102.2
115	38.7	33.6	50.4

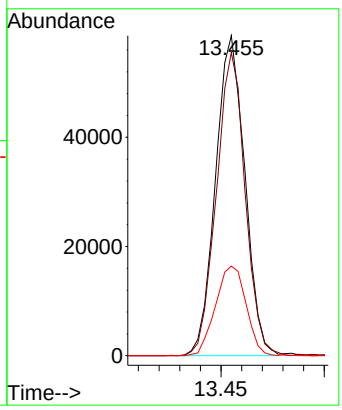




#81
1,2,4-Trichlorobenzene
Concen: 2.023 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:180 Resp: 5779

Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.8	113.6
184	29.2	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	161096	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	423363	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	369917	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	287450	9.420	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	17457	0.629	ppbv		95
3) Chlorodifluoromethane	1.479	51	25229	0.823	ppbv		98
4) Chloromethane	1.538	50	6417	0.595	ppbv	#	75
5) Vinyl Chloride	1.586	62	5567	0.432	ppbv		96
6) Bromomethane	1.674	94	2966	0.594	ppbv		100
7) Chloroethane	1.709	64	2542	0.605	ppbv		96
8) Dichlorotetrafluoroethane	1.560	85	14655	0.601	ppbv		90
9) Propene	1.486	41	10156	0.768	ppbv		96
10) Heptane	4.998	43	31354m	0.854	ppbv		
11) Trichlorofluoromethane	1.884	101	18079	0.648	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.149	101	14527	0.667	ppbv		92
13) Ethanol	1.725	45	915m	0.614	ppbv		
14) Bromoethene	1.787	108	4905	0.604	ppbv	#	95
15) Acetone	1.845	43	15468	0.582	ppbv		98
16) 1,3-Butadiene	1.615	39	7010	0.556	ppbv		99
17) tert-Butyl alcohol	2.052	59	19092	0.580	ppbv		97
18) 1,1-Dichloroethene	2.043	96	7042	0.677	ppbv		94
19) Isopropyl Alcohol	1.894	45	9191	0.616	ppbv	#	32
20) Methylene Chloride	2.068	84	6026	0.602	ppbv		95
21) Allyl Chloride	2.104	41	11550	0.600	ppbv		95
22) trans-1,2-Dichloroethene	2.347	96	8145m	0.722	ppbv		
23) Vinyl Acetate	2.473	43	9893	0.687	ppbv	#	91
24) 1,1-Dichloroethane	2.418	63	13783	0.601	ppbv		98
25) Ethyl Acetate	2.852	43	59183	0.811	ppbv		99
26) Hexane	2.836	57	23549	0.804	ppbv		96
27) Carbon Disulfide	2.159	76	15659	0.568	ppbv	#	46
28) Methyl tert-Butyl Ether	2.454	73	13593	0.759	ppbv		95
29) Chloroform	2.861	83	32925	0.776	ppbv		94
30) Cyclohexane	3.874	84	19953	0.840	ppbv		97
31) cis-1,2-Dichloroethene	2.732	61	22565	0.780	ppbv		97
32) 1,1,1-Trichloroethane	3.386	97	30870	0.656	ppbv		96
34) 2-Butanone	2.570	43	33820	0.929	ppbv		99
35) Carbon Tetrachloride	3.777	117	30618	0.745	ppbv		90
36) Benzene	3.674	78	45892	0.895	ppbv		96
37) 1,2-Dichloroethane	3.234	62	25585	0.876	ppbv		99
38) Trichloroethene	4.570	130	18921	0.908	ppbv		91
39) 1,2-Dichloropropane	4.334	63	17557	0.934	ppbv		94
40) 1,4-Dioxane	4.619	88	8319m	0.850	ppbv		
41) Tetrahydrofuran	3.075	42	20823	1.000	ppbv		96
42) Bromodichloromethane	4.515	83	33481	0.847	ppbv		97
43) Methyl Methacrylate	4.907	69	17679	0.756	ppbv		99
44) 2,2,4-Trimethylpentane	4.661	57	81921	0.941	ppbv		98
45) t-1,3-Dichloropropene	6.444	75	16578m	0.751	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	22127m	0.790	ppbv		
47) 1,1,2-Trichloroethane	6.616	97	18160m	0.918	ppbv		
48) Dibromochloromethane	7.412	129	28239	0.852	ppbv		97
49) Bromoform	9.500	173	23310	0.858	ppbv		94
50) 4-Methyl-2-Pentanone	5.791	43	41249m	0.737	ppbv		
51) 2-Hexanone	7.470	43	24117	0.527	ppbv	#	97
52) Tetrachloroethene	8.241	164	16217	0.907	ppbv		89
53) Toluene	6.959	91	51231	0.838	ppbv		99
54) 1,2-Dibromoethane	7.674	107	23427	0.860	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.943	131	22060	0.833	ppbv		97
57) Chlorobenzene	8.937	112	41173	0.946	ppbv		96
58) Ethyl Benzene	9.370	91	70507	0.871	ppbv		97
59) m/p-Xylene	9.568	91	114691m	1.799	ppbv		
60) o-Xylene	9.979	91	57322	0.889	ppbv		99
61) Styrene	9.885	104	26596	0.865	ppbv		98
62) Isopropylbenzene	10.555	105	86533	0.894	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.979	83	38520	0.926	ppbv		98
64) n-propylbenzene	11.002	120	22456	0.944	ppbv		94
65) tert-Butylbenzene	11.545	119	83284	0.987	ppbv		99
66) Benzyl Chloride	11.626	91	5880m	0.695	ppbv		
67) sec-Butylbenzene	11.782	105	119435	1.007	ppbv		99
69) p-Isopropyltoluene	11.940	119	93710	0.966	ppbv		99
70) n-Butylbenzene	12.293	91	94969	0.993	ppbv		98
71) 2-Chlorotoluene	10.914	91	67655	0.928	ppbv		98
72) 4-Ethyltoluene	11.137	105	71906	0.952	ppbv		99
73) 1,3,5-Trimethylbenzene	11.215	105	64087	0.983	ppbv		96
74) 1,2,4-Trimethylbenzene	11.549	105	73323	1.048	ppbv		100
75) 1,3-Dichlorobenzene	11.620	146	41063	1.091	ppbv		99
76) 1,4-Dichlorobenzene	11.685	146	39235	1.068	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	40574	1.127	ppbv		98
78) Hexachloro-1,3-Butadiene	13.895	225	30764	1.033	ppbv		99
79) Naphthalene	13.526	128	45743	0.665	ppbv		98
80) Naphthalene,2-methyl-	14.471	142	5244	0.168	ppbv		94
81) 1,2,4-Trichlorobenzene	13.452	180	25404	0.908	ppbv		95

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

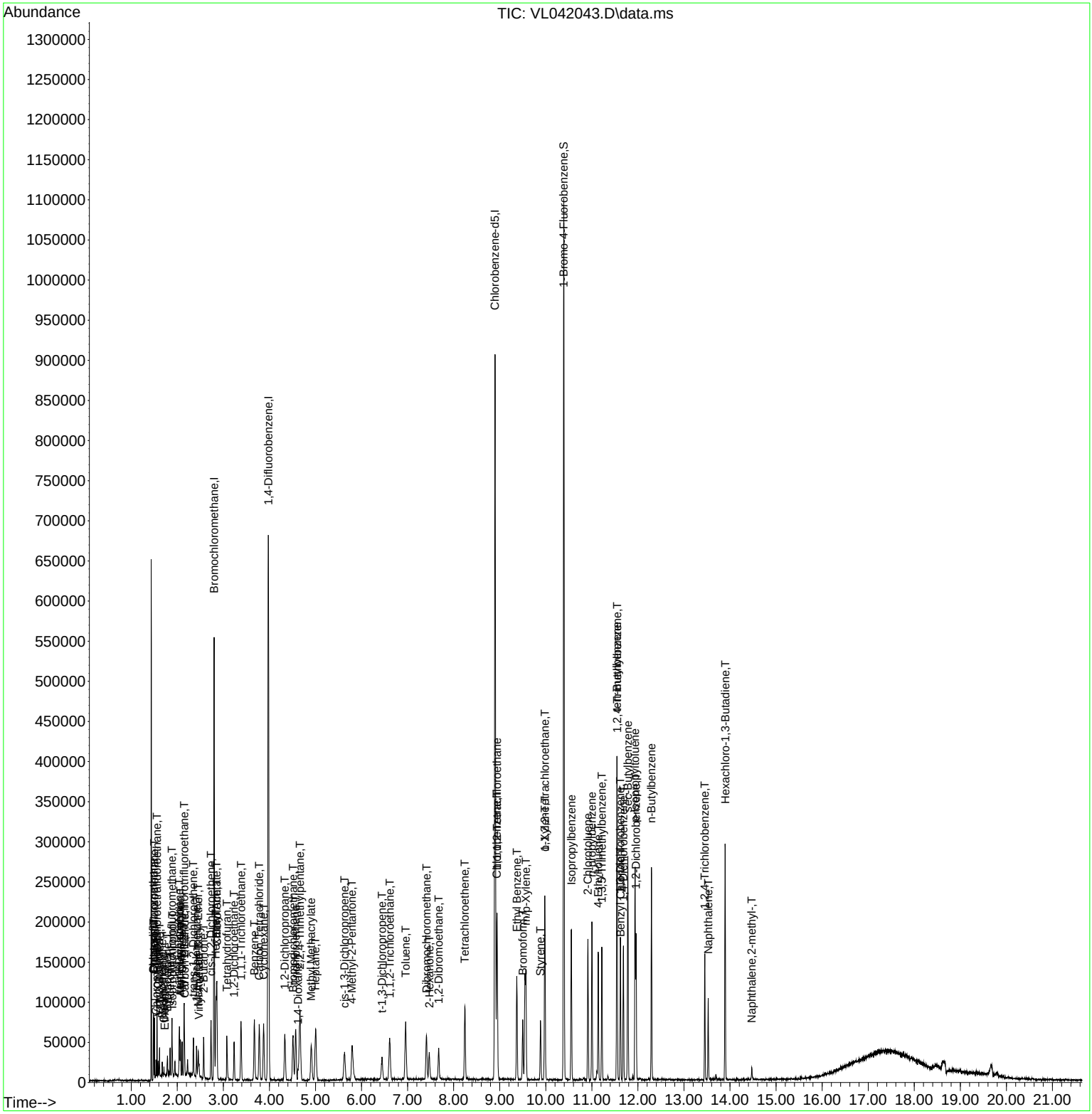
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

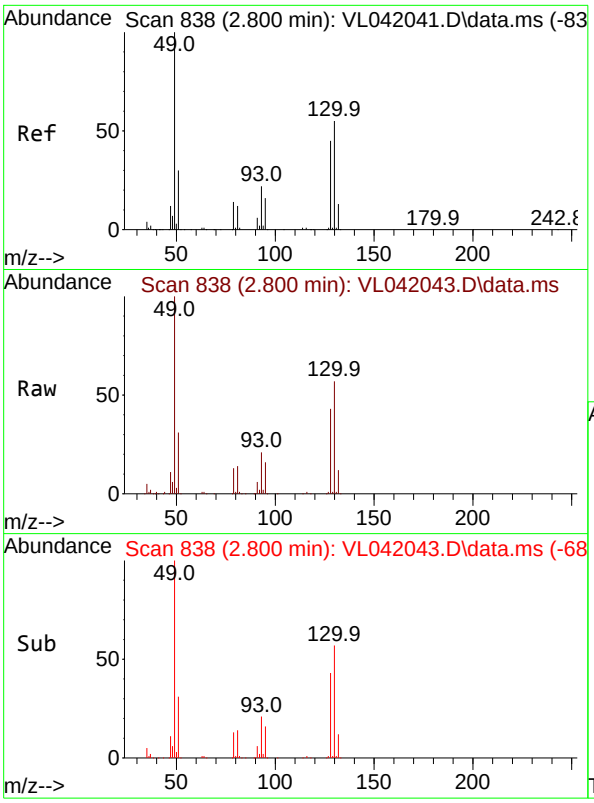
Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

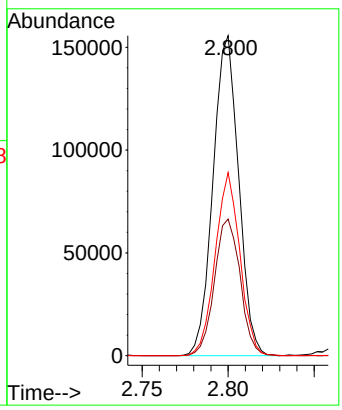




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 49 Resp: 16109

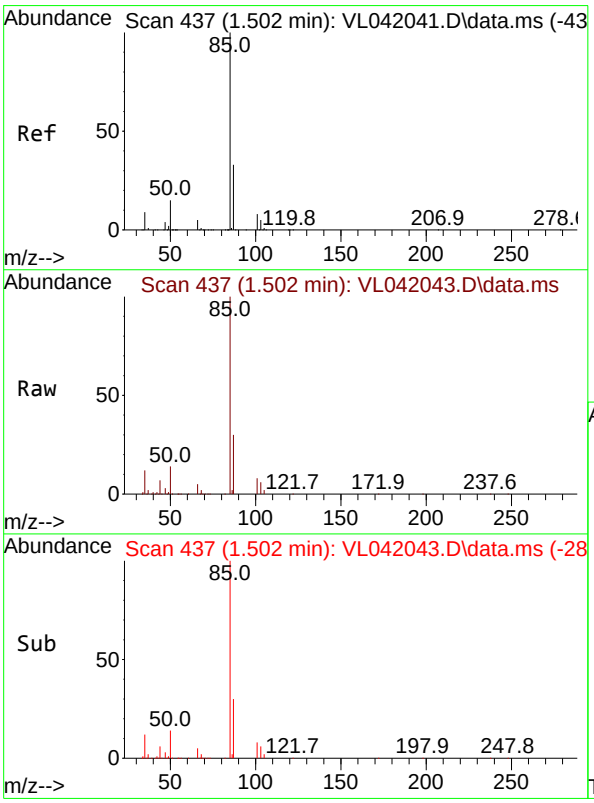
Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.6	64.8
130	55.0	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

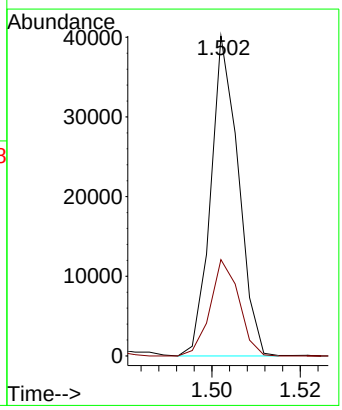
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

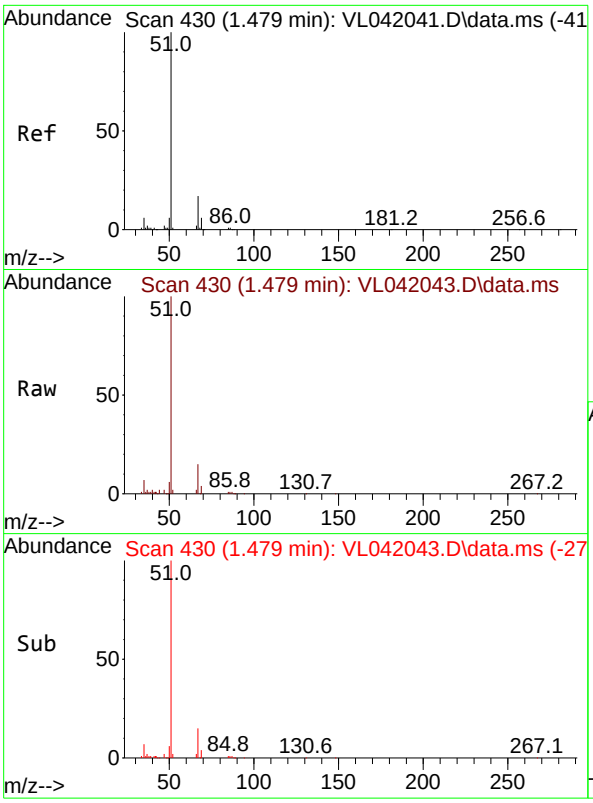


#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 17457

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.4	39.6

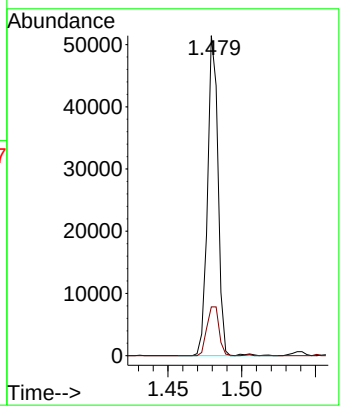




#3
Chlorodifluoromethane
Concen: 0.823 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 51 Resp: 2522

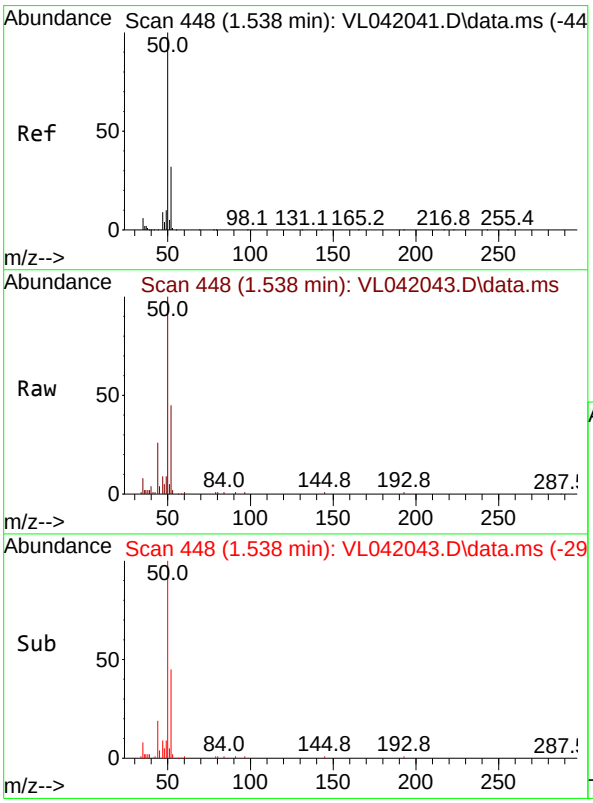
Ion	Ratio	Lower	Upper
51	100		
67	17.9	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

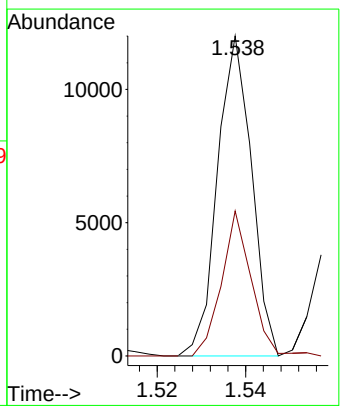
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

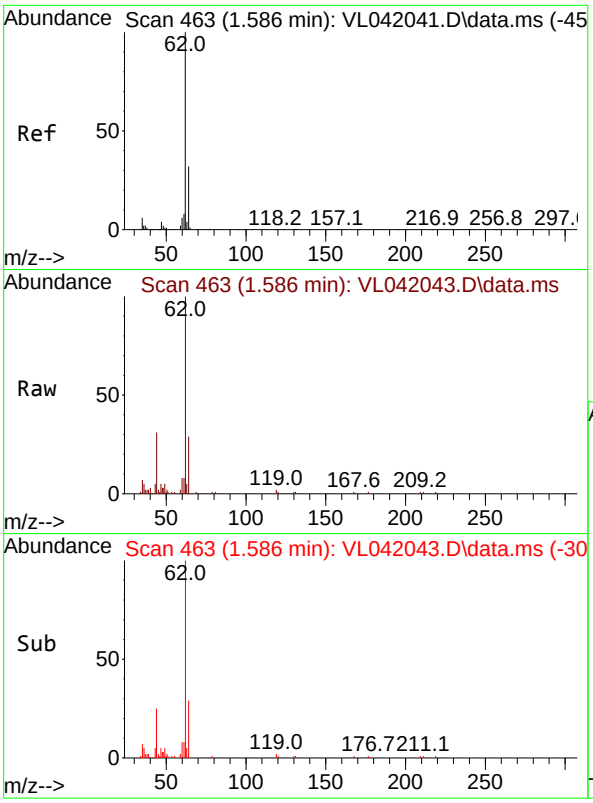


#4
Chloromethane
Concen: 0.595 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 50 Resp: 6417

Ion	Ratio	Lower	Upper
50	100		
52	45.3	25.4	38.0#

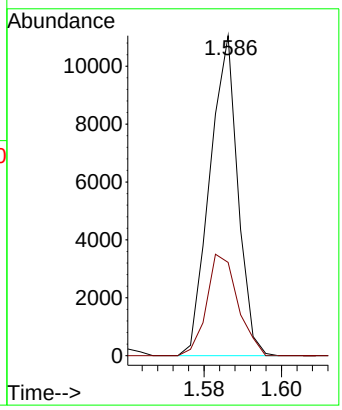




#5
Vinyl Chloride
Concen: 0.432 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 556

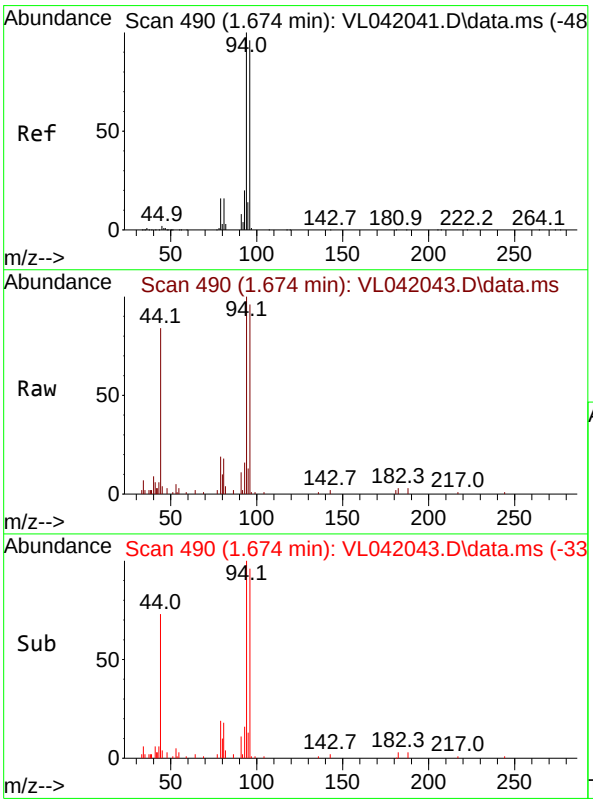
Ion	Ratio	Lower	Upper
62	100		
64	29.2	25.3	37.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

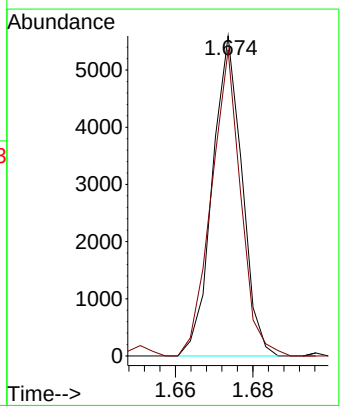
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

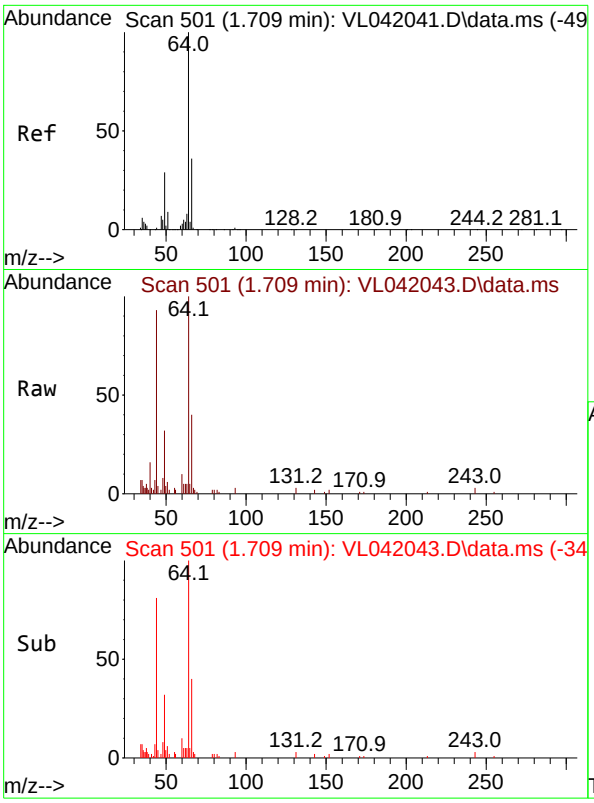


#6
Bromomethane
Concen: 0.594 ppbv
RT: 1.674 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 94 Resp: 2966

Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.5	114.7

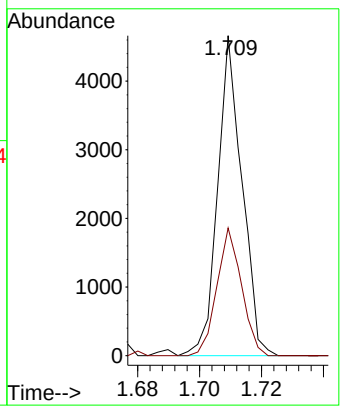




#7
Chloroethane
Concen: 0.605 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 64 Resp: 254

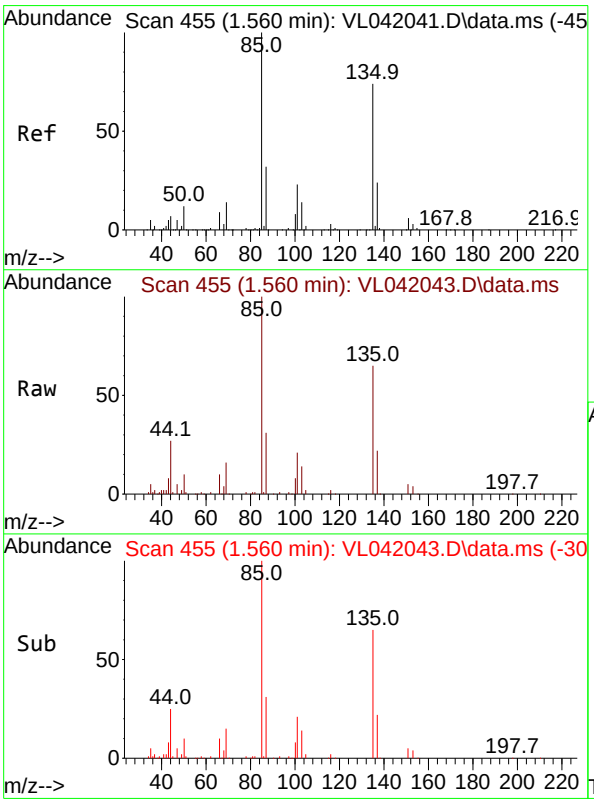
Ion	Ratio	Lower	Upper
64	100		
66	37.9	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

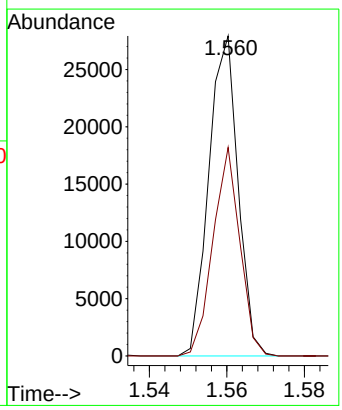
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

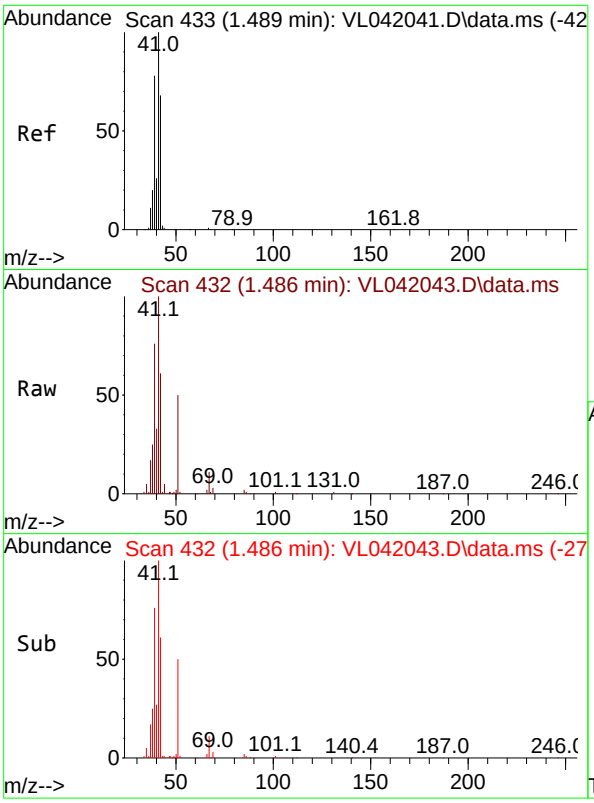


#8
Dichlorotetrafluoroethane
Concen: 0.601 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 14655

Ion	Ratio	Lower	Upper
85	100		
135	59.9	54.6	81.8

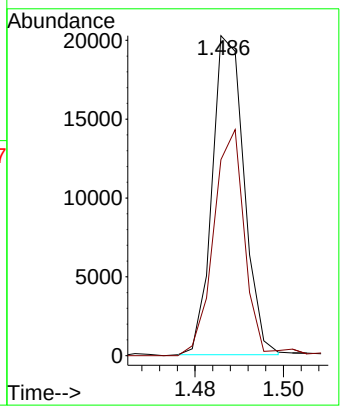




#9
Propene
Concen: 0.768 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 1015

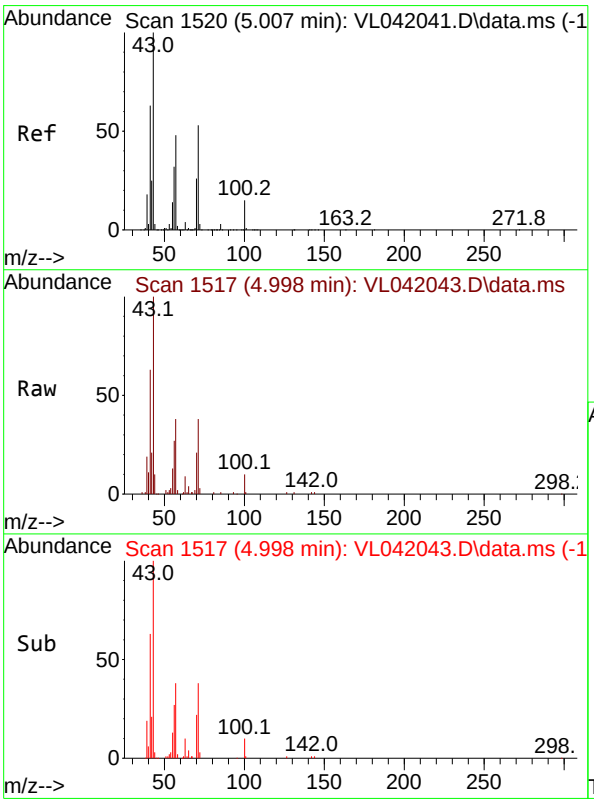
Ion	Ratio	Lower	Upper
41	100		
42	72.6	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

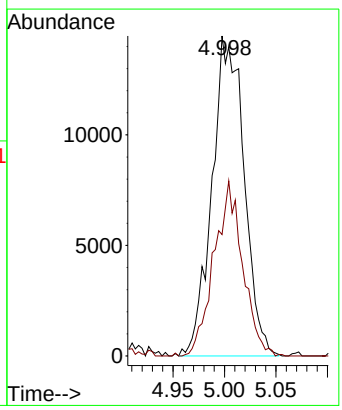
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

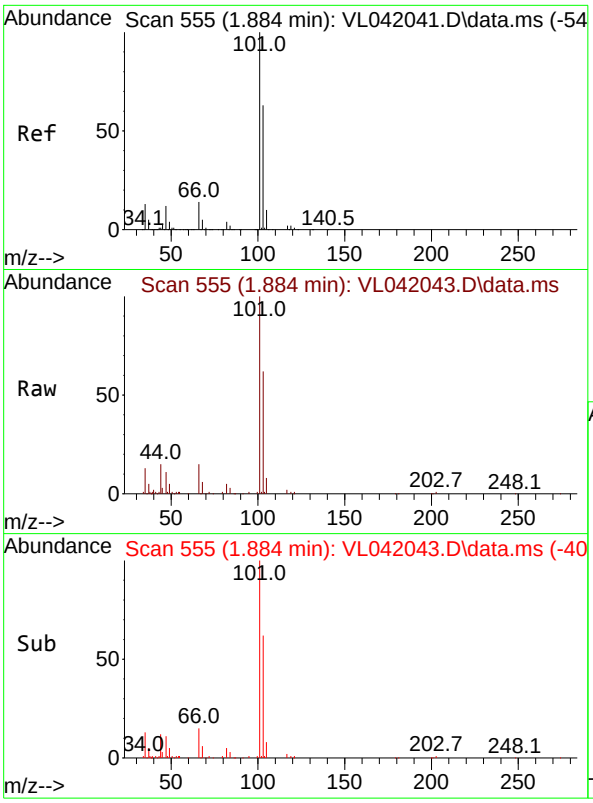


#10
Heptane
Concen: 0.854 ppbv m
RT: 4.998 min Scan# 1517
Delta R.T. -0.010 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 31354

Ion	Ratio	Lower	Upper
43	100		
57	48.7	39.4	59.0





#11
Trichlorofluoromethane
Concen: 0.648 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

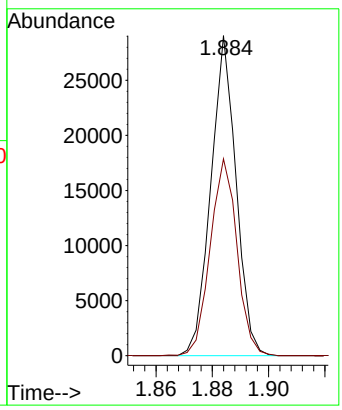
Tgt Ion:101 Resp: 1807

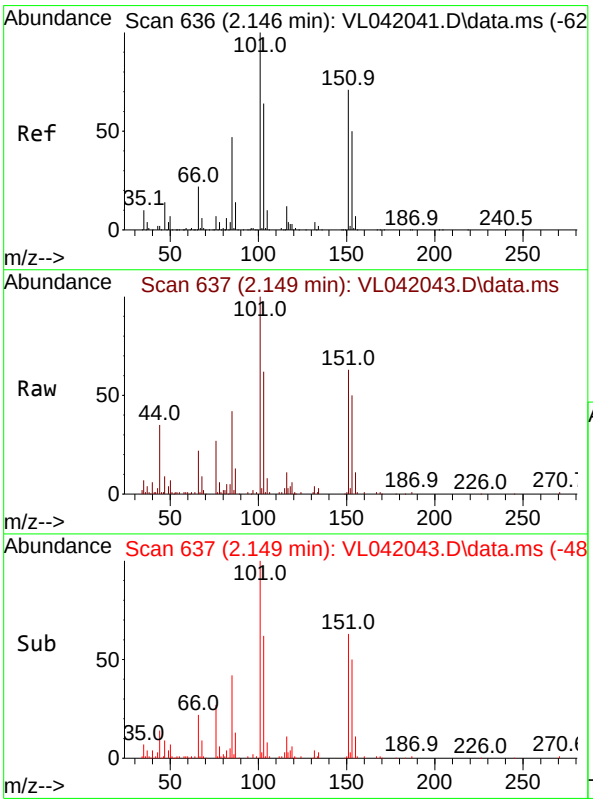
Ion	Ratio	Lower	Upper
101	100		
103	61.5	50.6	75.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

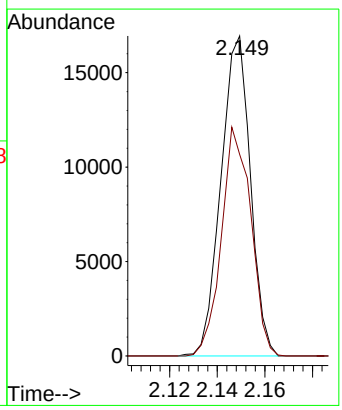


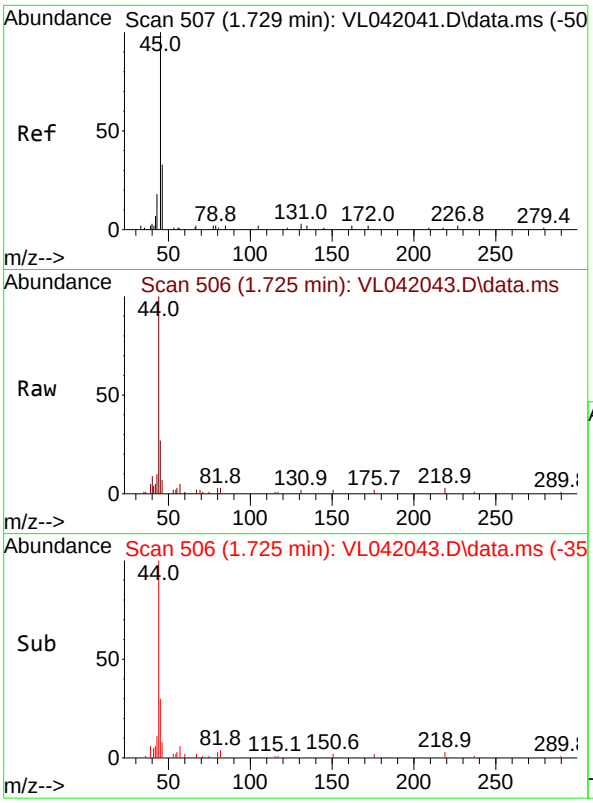


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.667 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:101 Resp: 14527

Ion	Ratio	Lower	Upper
101	100		
151	71.7	62.6	94.0

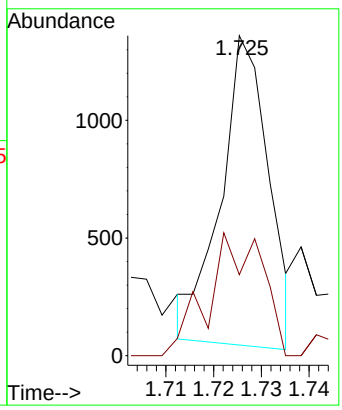




#13
Ethanol
Concen: 0.614 ppbv m
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 91

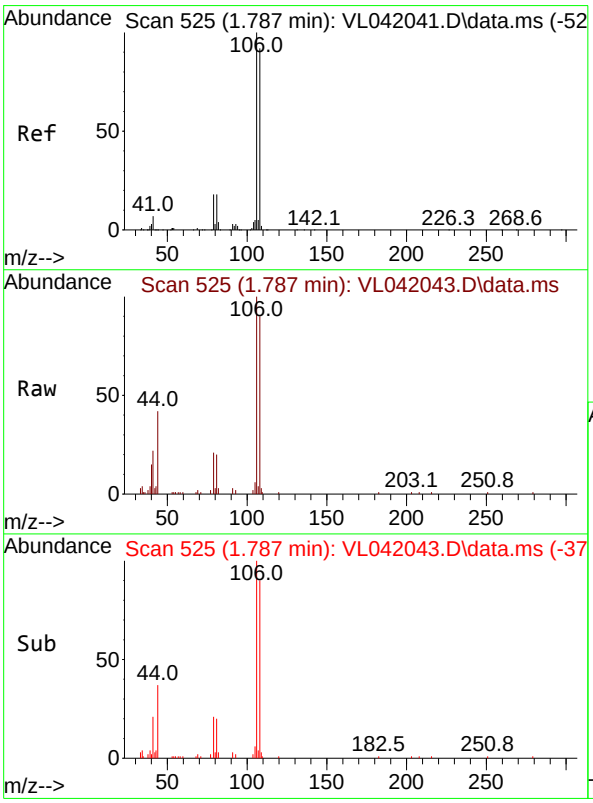
Ion	Ratio	Lower	Upper
45	100		
46	44.9	17.1	68.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

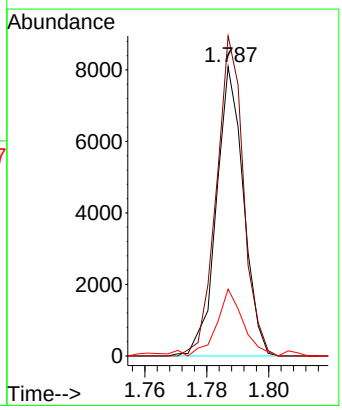
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

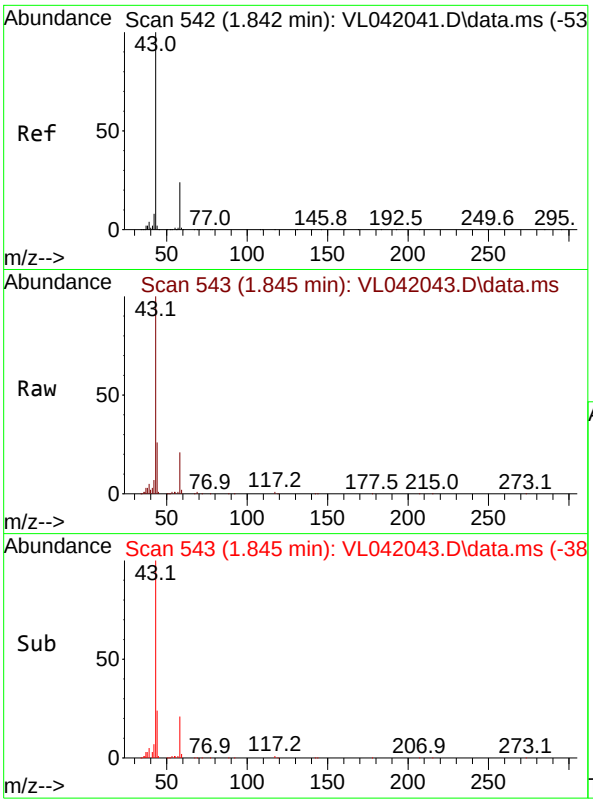


#14
Bromoethene
Concen: 0.604 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:108 Resp: 4905

Ion	Ratio	Lower	Upper
108	100		
106	110.4	85.4	128.0
79	24.9	16.5	24.7#

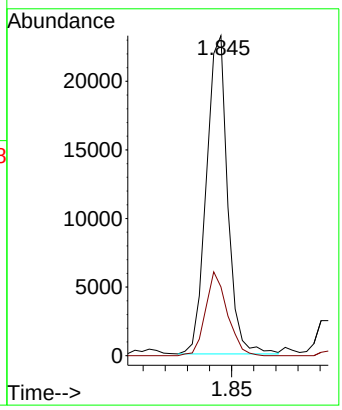




#15
Acetone
Concen: 0.582 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 1546

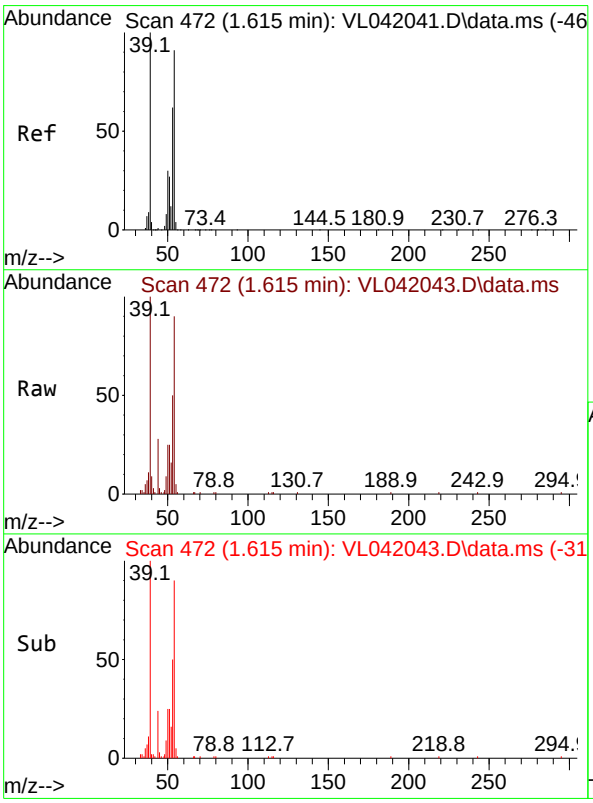
Ion	Ratio	Lower	Upper
43	100		
58	27.1	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

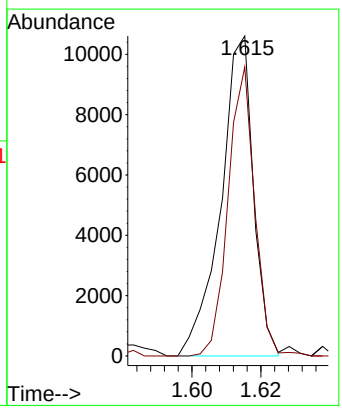
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

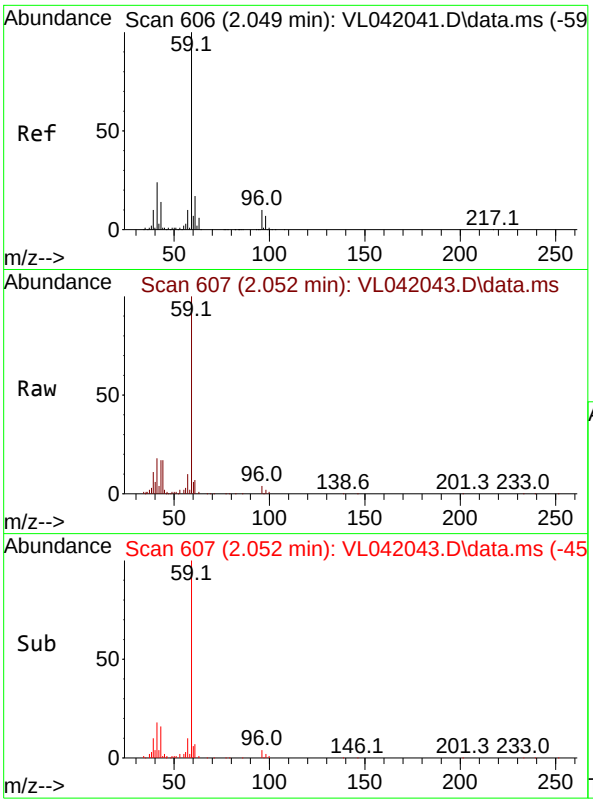


#16
1,3-Butadiene
Concen: 0.556 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 39 Resp: 7010

Ion	Ratio	Lower	Upper
39	100		
54	74.0	59.6	89.4

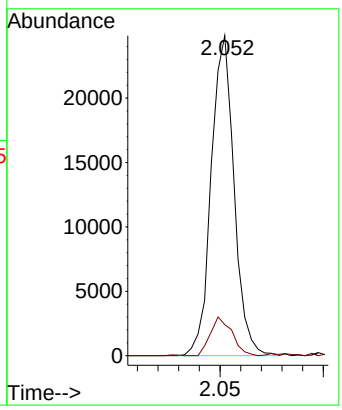




#17
tert-Butyl alcohol
Concen: 0.580 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 59 Resp: 1909

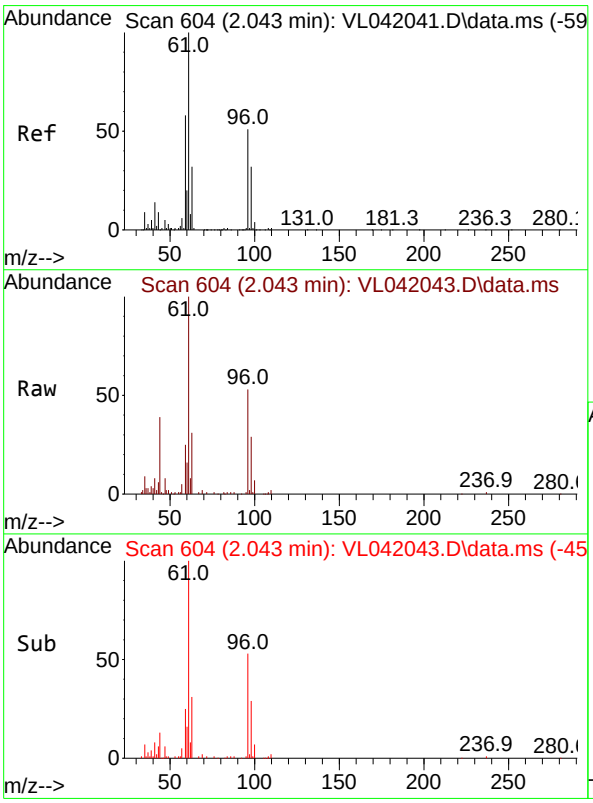
Ion	Ratio	Lower	Upper
59	100		
57	12.6	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

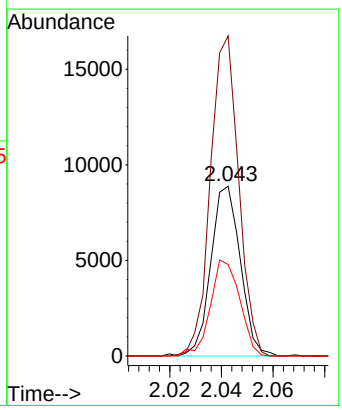
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

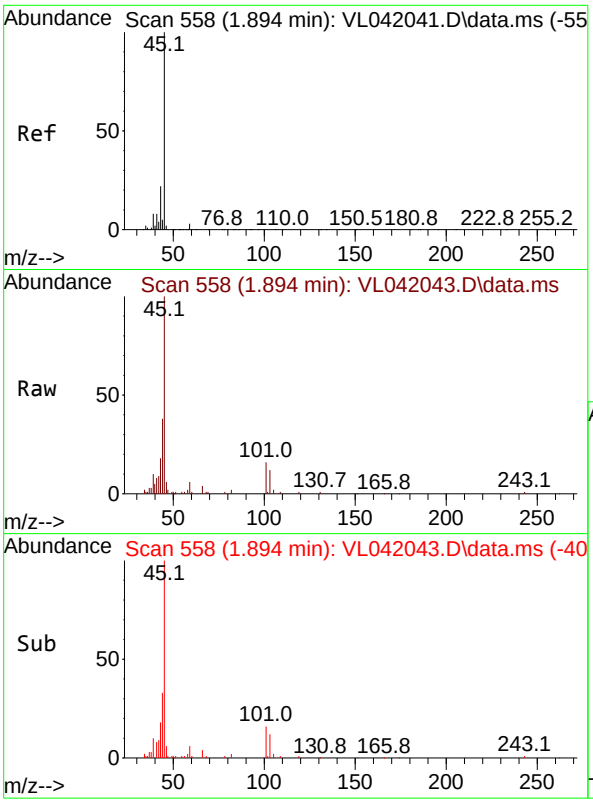


#18
1,1-Dichloroethene
Concen: 0.677 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 7042

Ion	Ratio	Lower	Upper
96	100		
61	188.5	156.0	234.0
98	53.9	49.4	74.2

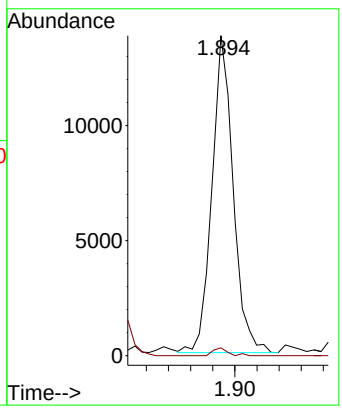




#19
Isopropyl Alcohol
Concen: 0.616 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 919

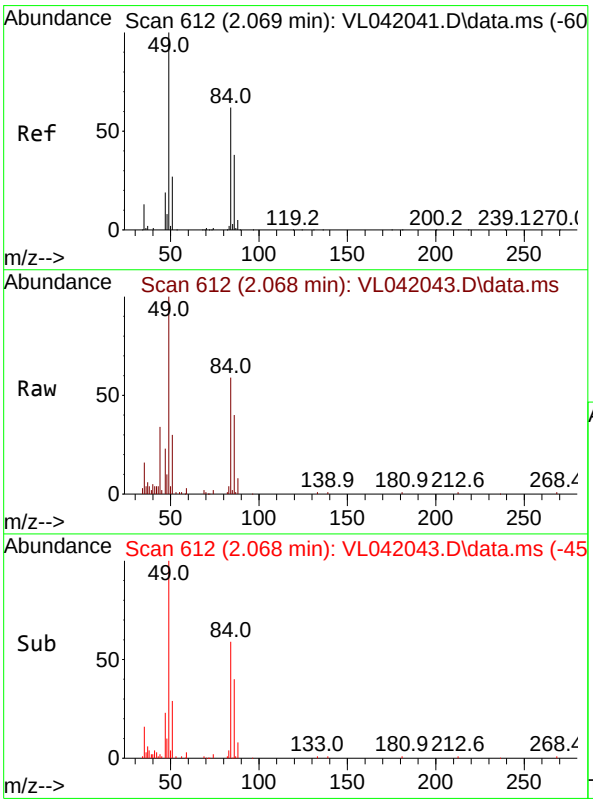
Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

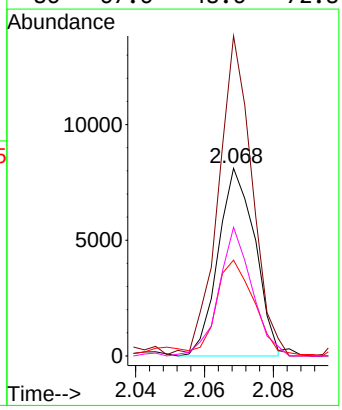
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

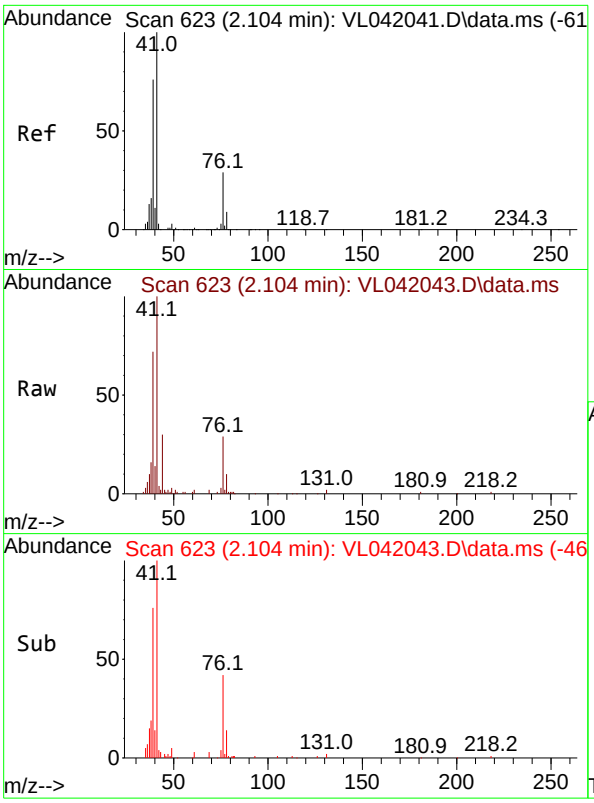


#20
Methylene Chloride
Concen: 0.602 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 6026

Ion	Ratio	Lower	Upper
84	100		
49	167.5	130.0	195.0
51	48.3	37.4	56.0
86	67.6	48.6	72.8

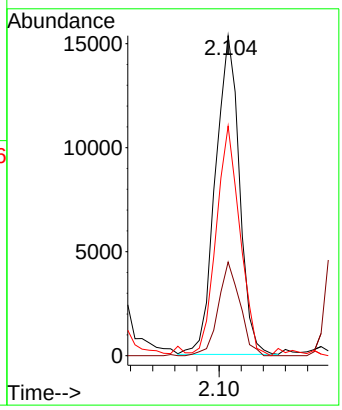




#21
Allyl Chloride
Concen: 0.600 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 1155

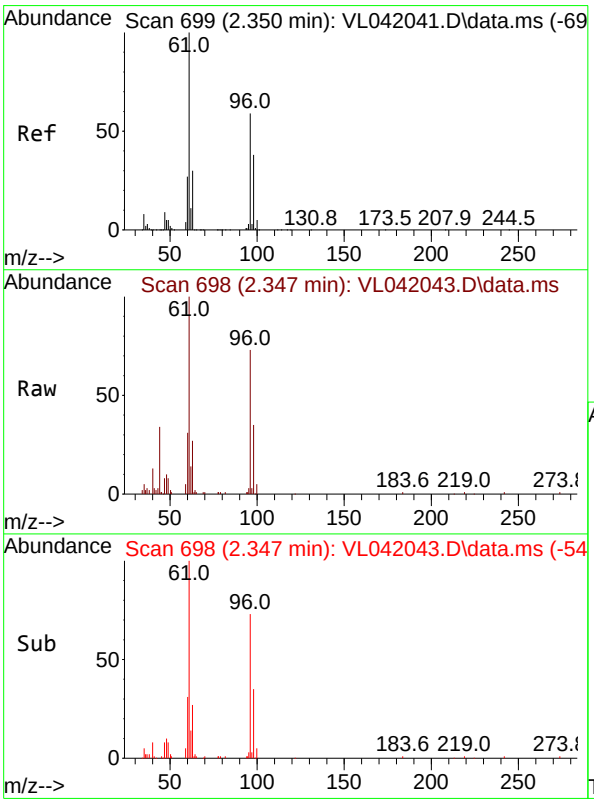
Ion	Ratio	Lower	Upper
41	100		
76	26.6	23.8	35.6
39	75.1	63.8	95.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

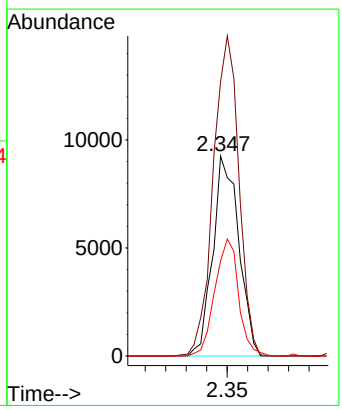
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

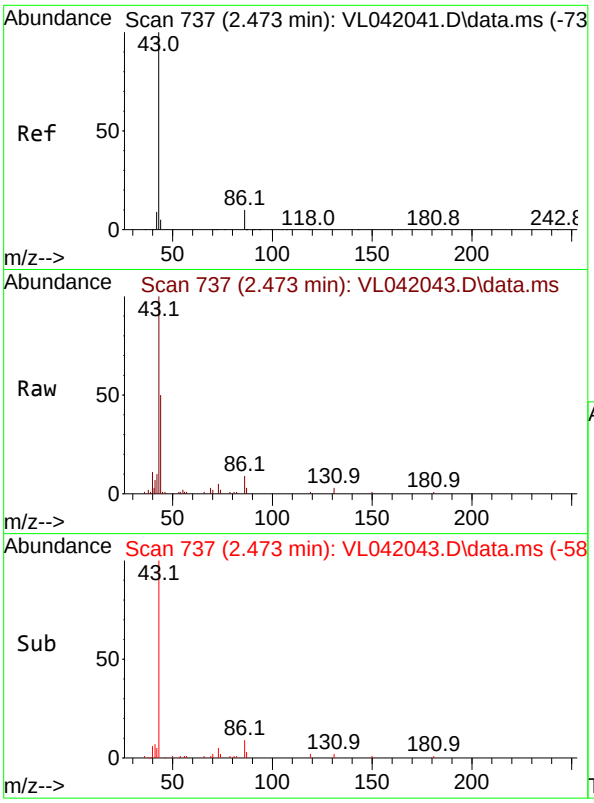


#22
trans-1,2-Dichloroethene
Concen: 0.722 ppbv m
RT: 2.347 min Scan# 698
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 8145

Ion	Ratio	Lower	Upper
96	100		
61	137.3	136.6	205.0
98	47.5	51.8	77.6#

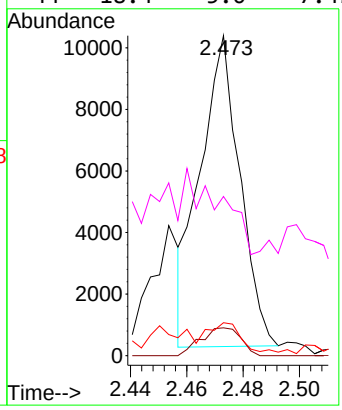




#23
Vinyl Acetate
Concen: 0.687 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 989

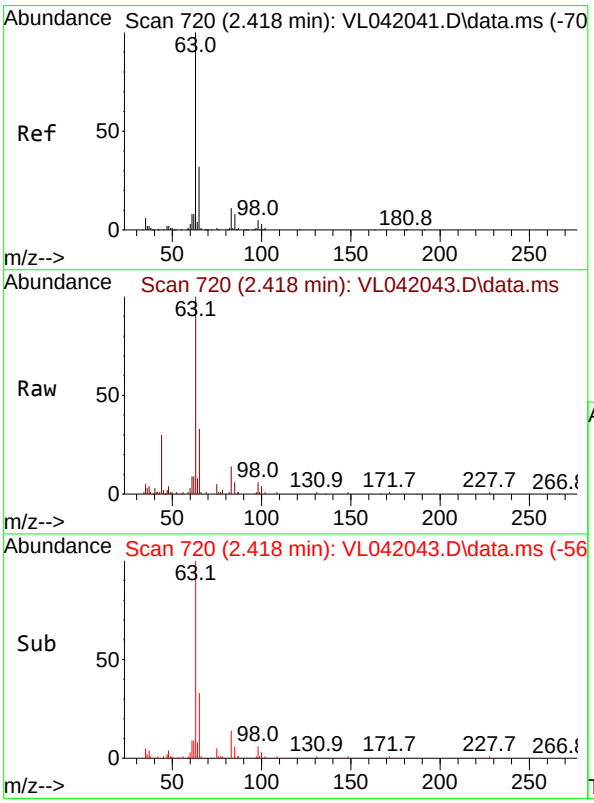
Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.0	10.4
42	9.5	7.6	11.4
44	18.4	5.0	7.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

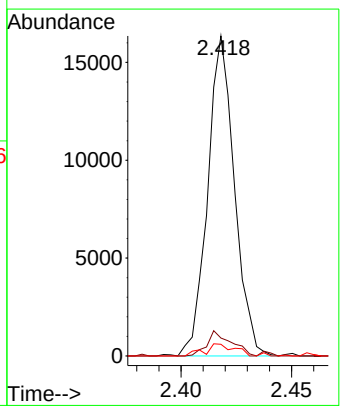
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

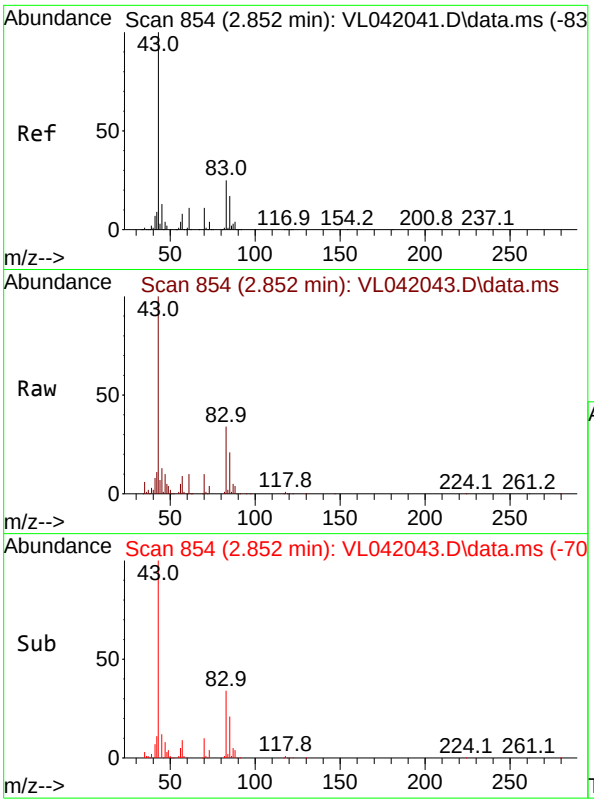


#24
1,1-Dichloroethane
Concen: 0.601 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 13783

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.4	7.2
100	3.6	1.7	5.0

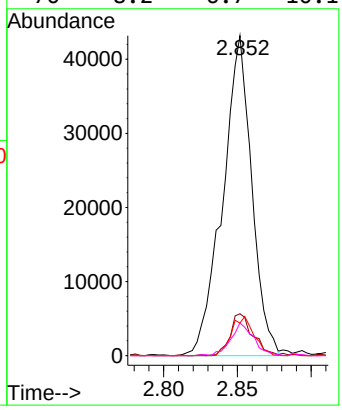




#25
Ethyl Acetate
Concen: 0.811 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 5918

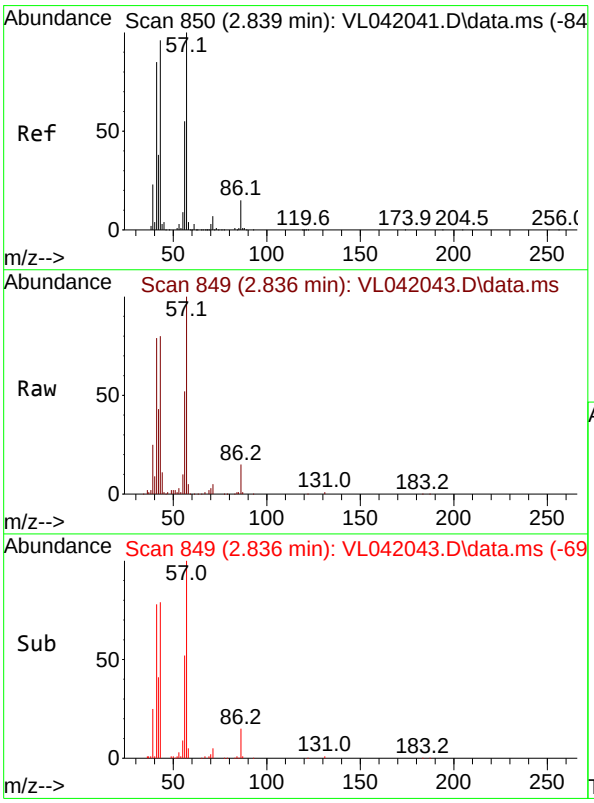
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	9.7	7.2	10.8
70	8.2	6.7	10.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

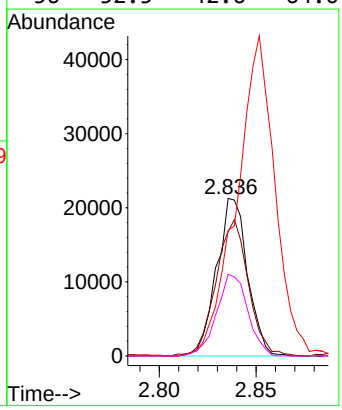
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

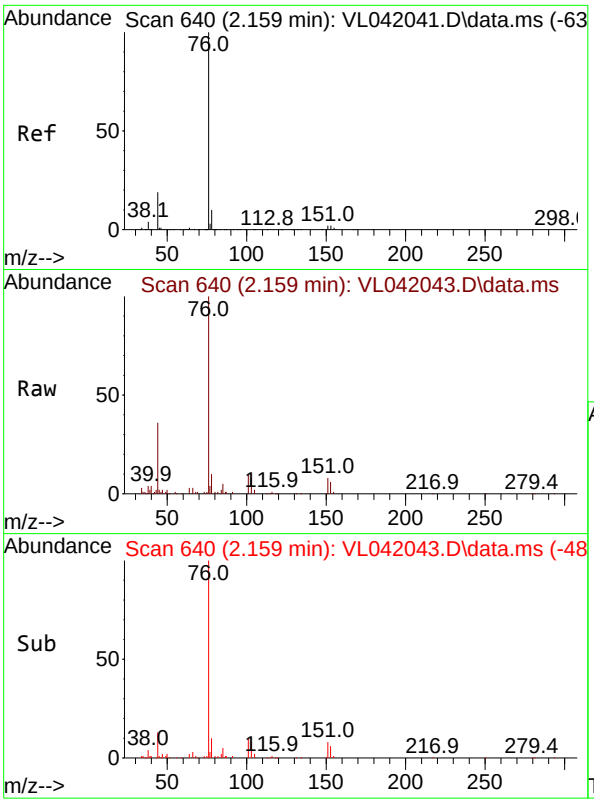


#26
Hexane
Concen: 0.804 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 57 Resp: 23549

Ion	Ratio	Lower	Upper
57	100		
41	92.1	70.6	106.0
43	256.7	199.4	299.0
56	52.5	42.6	64.0





#27
Carbon Disulfide
Concen: 0.568 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

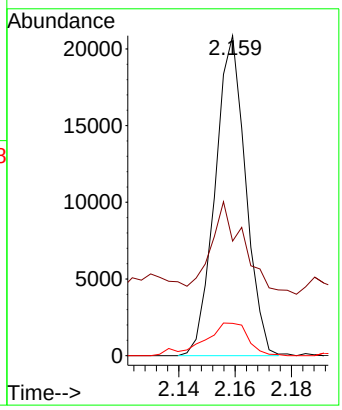
Tgt Ion: 76 Resp: 1565

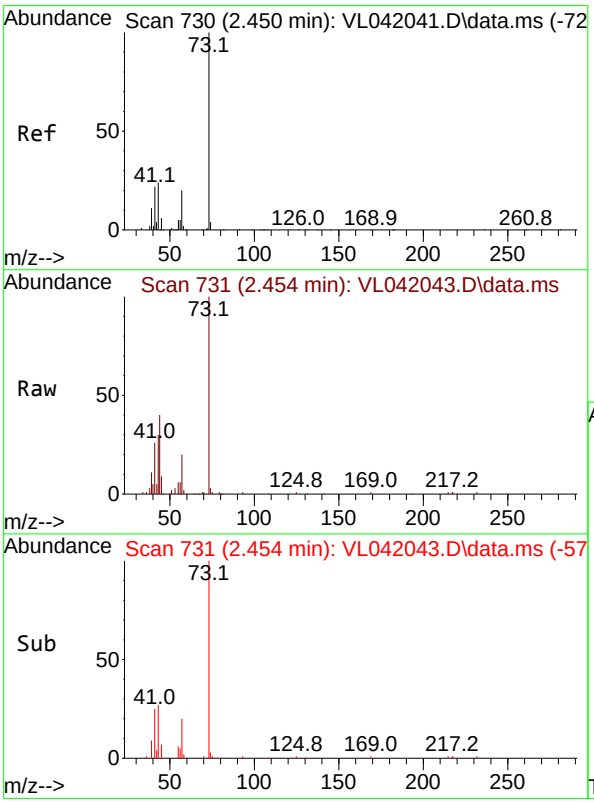
Ion	Ratio	Lower	Upper
76	100		
44	57.5	16.2	24.2#
78	14.7	9.4	14.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

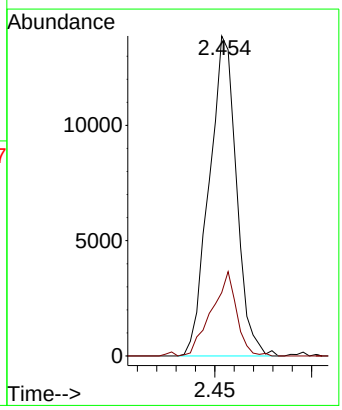


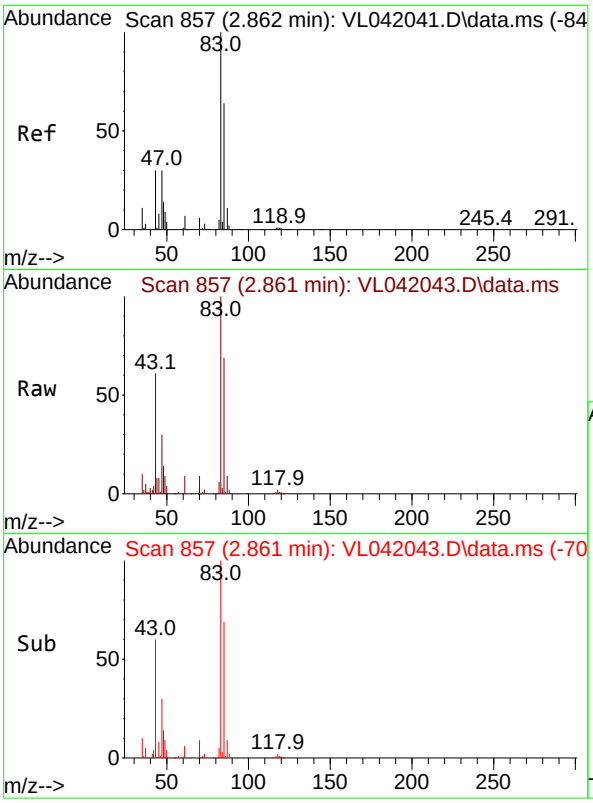


#28
Methyl tert-Butyl Ether
Concen: 0.759 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 73 Resp: 13593

Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5

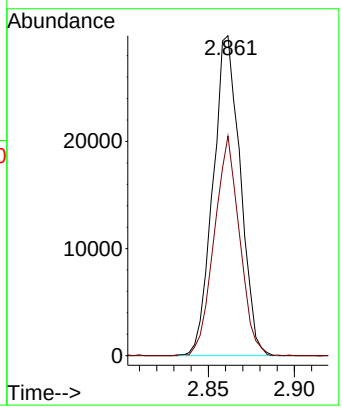




#29
Chloroform
Concen: 0.776 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 3292

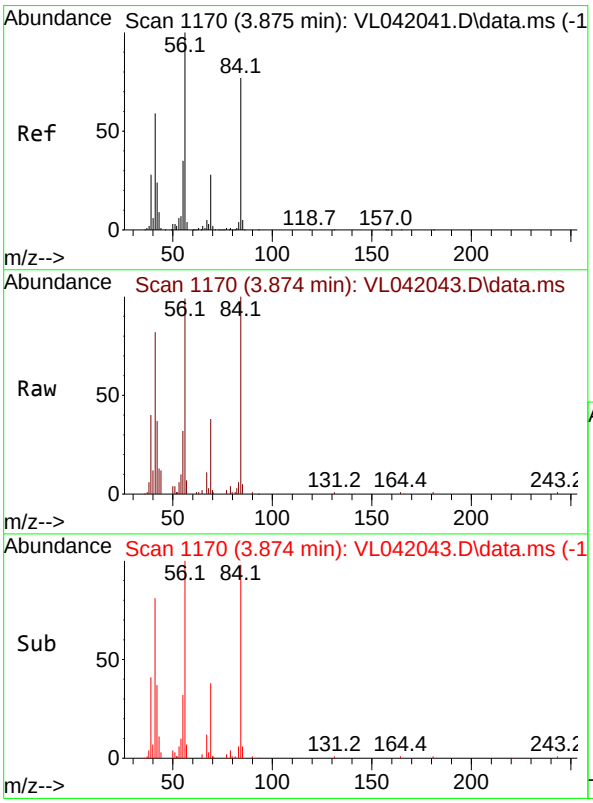
Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

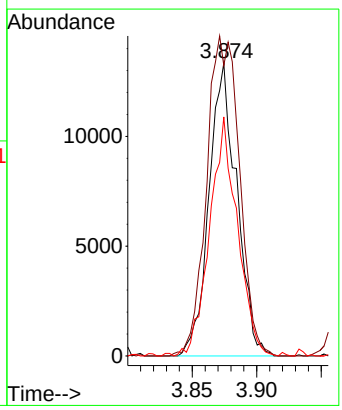
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

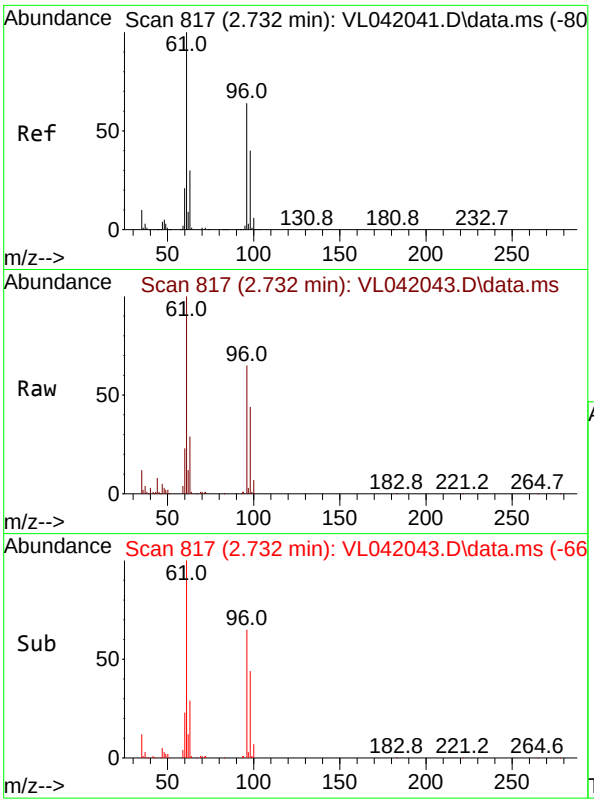


#30
Cyclohexane
Concen: 0.840 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 19953

Ion	Ratio	Lower	Upper
84	100		
56	129.3	101.5	152.3
41	82.1	62.6	93.8

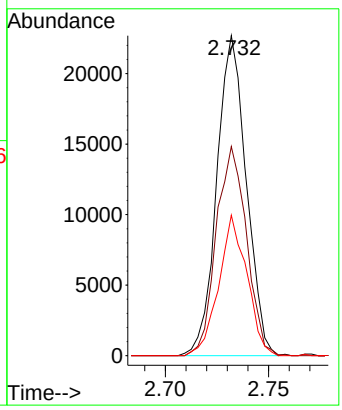




#31
cis-1,2-Dichloroethene
Concen: 0.780 ppbv
RT: 2.732 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 61 Resp: 2256

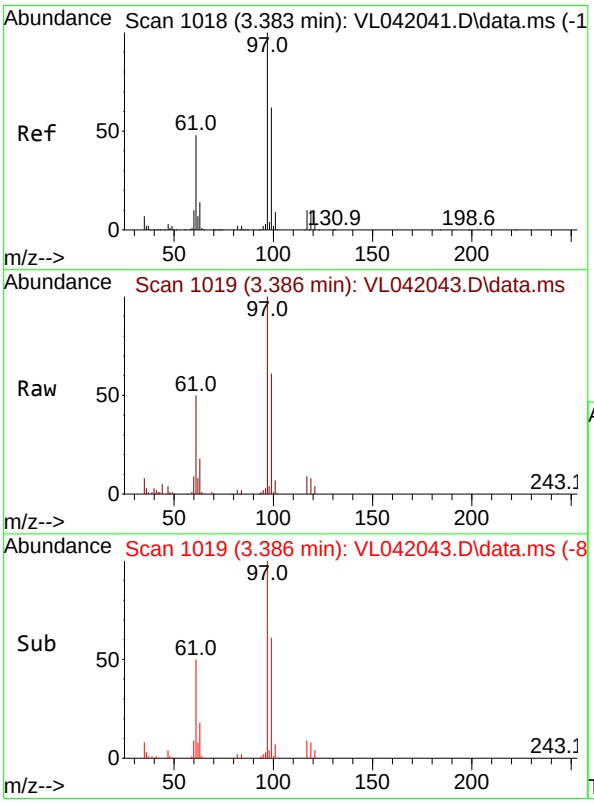
Ion	Ratio	Lower	Upper
61	100		
96	65.3	51.5	77.3
98	43.9	32.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

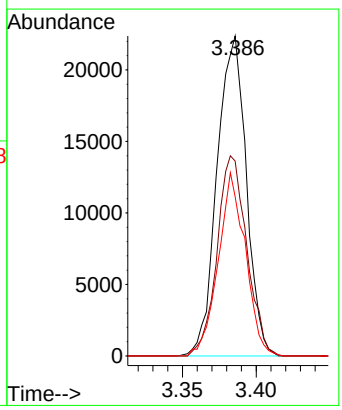
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

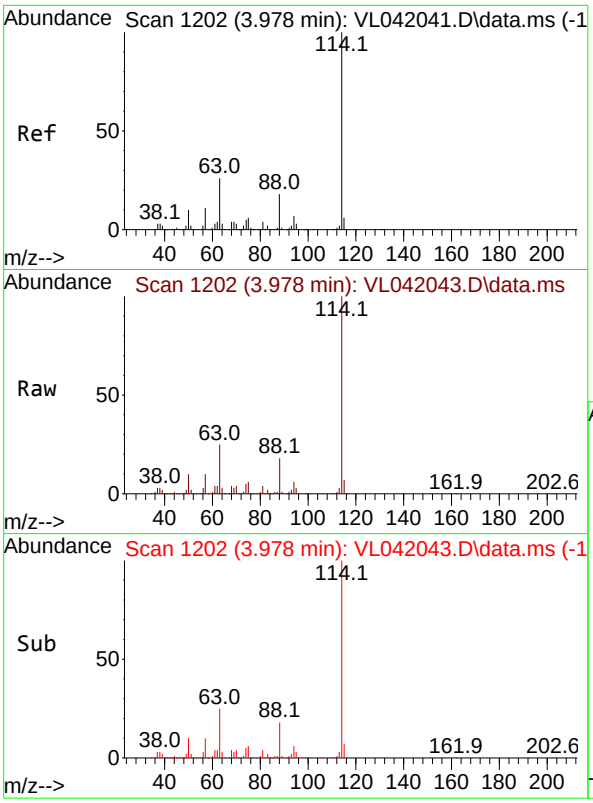


#32
1,1,1-Trichloroethane
Concen: 0.656 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 30870

Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.8	74.6
61	53.1	38.9	58.3

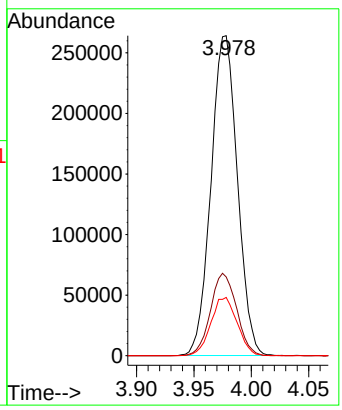




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:114 Resp: 42336

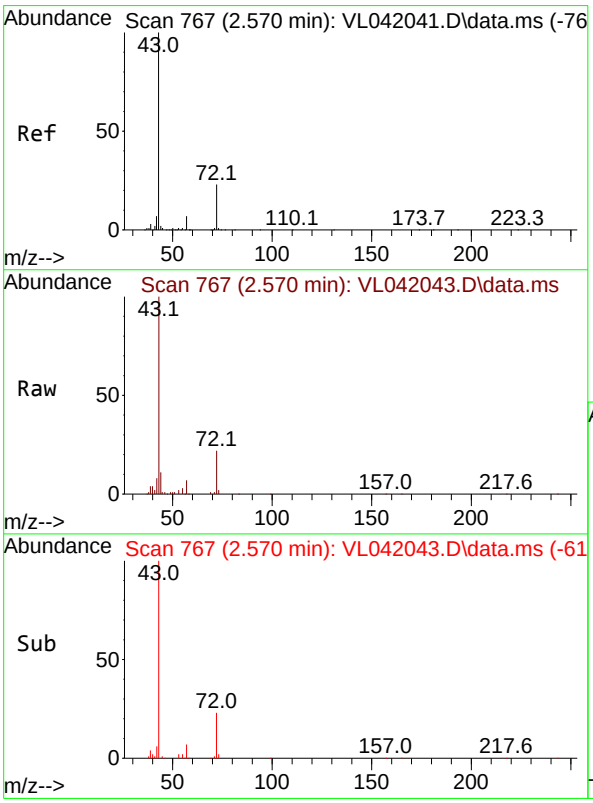
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	18.2	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

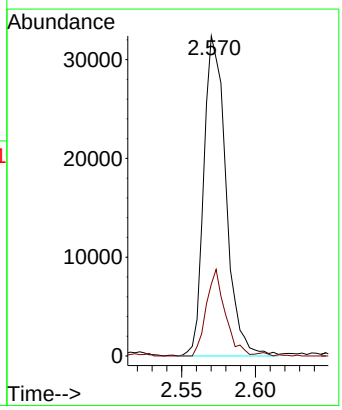
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

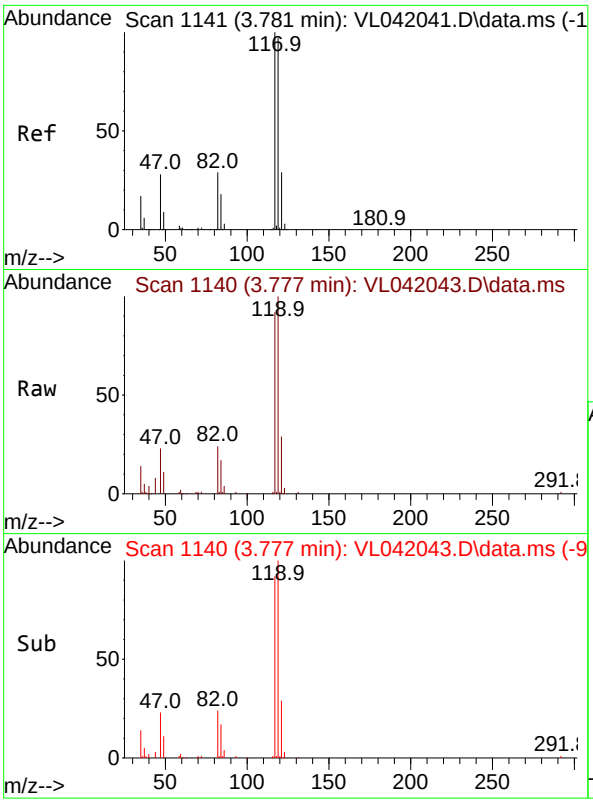


#34
2-Butanone
Concen: 0.929 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 33820

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.5	27.7

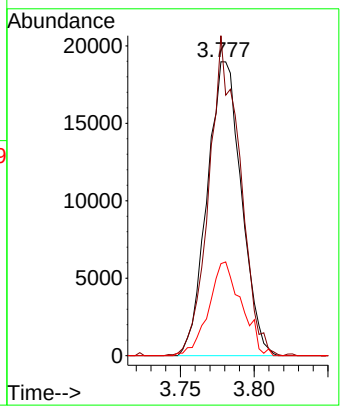




#35
Carbon Tetrachloride
Concen: 0.745 ppbv
RT: 3.777 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 3061

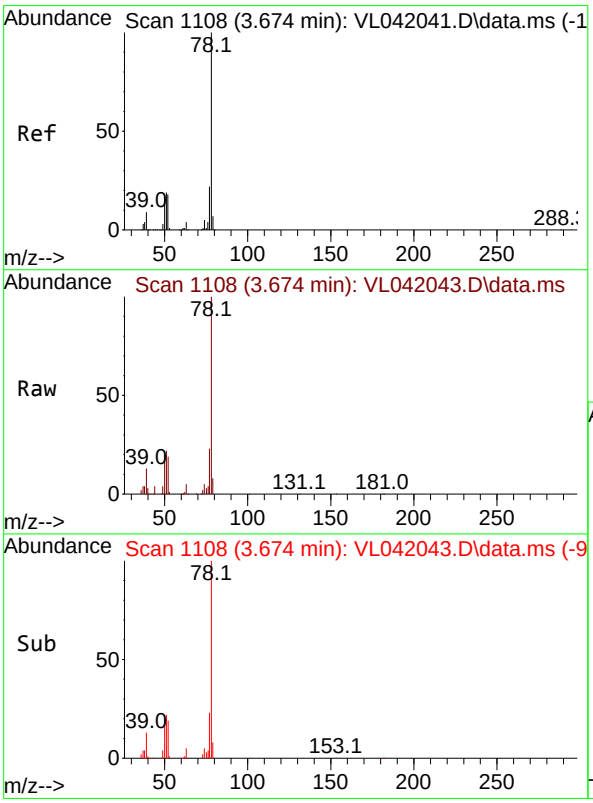
Ion	Ratio	Lower	Upper
117	100		
119	108.5	77.8	116.8
121	31.3	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

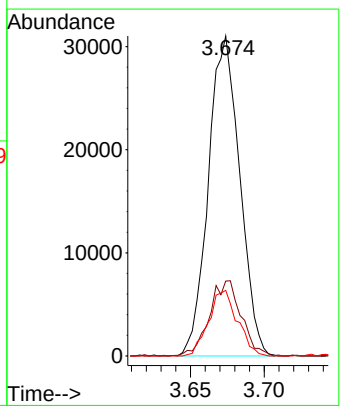
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

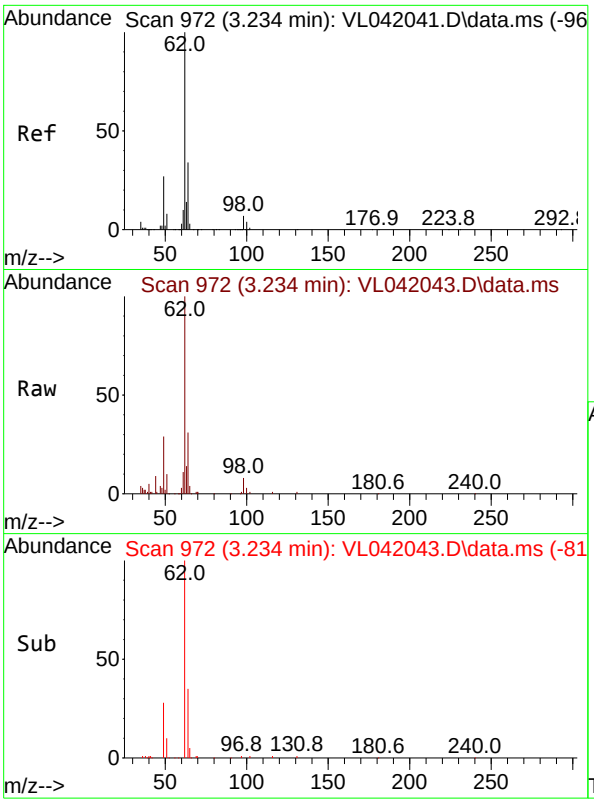


#36
Benzene
Concen: 0.895 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 78 Resp: 45892

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.7	26.5
50	20.5	13.9	20.9

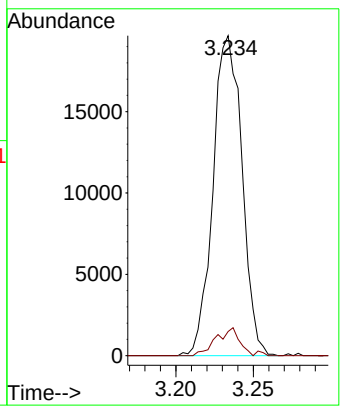




#37
1,2-Dichloroethane
Concen: 0.876 ppbv
RT: 3.234 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 2558

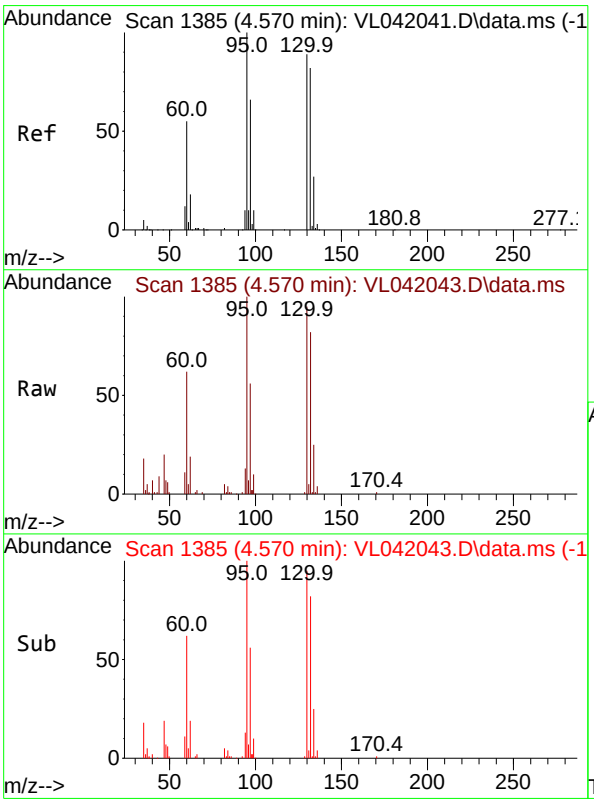
Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

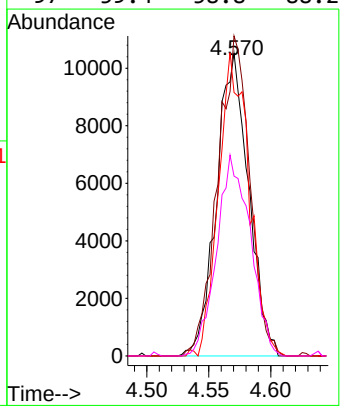
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

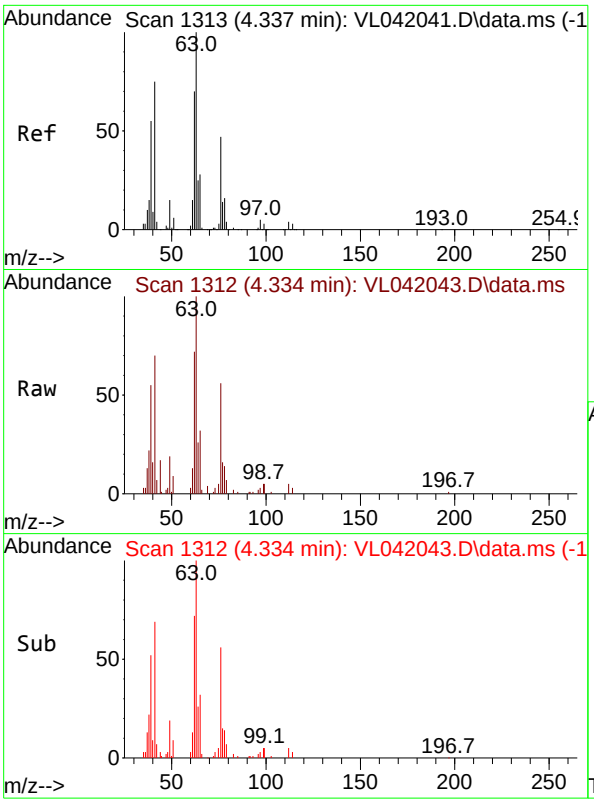


#38
Trichloroethene
Concen: 0.908 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:130 Resp: 18921

Ion	Ratio	Lower	Upper
130	100		
95	105.7	89.5	134.3
132	87.0	73.8	110.6
97	59.4	58.8	88.2

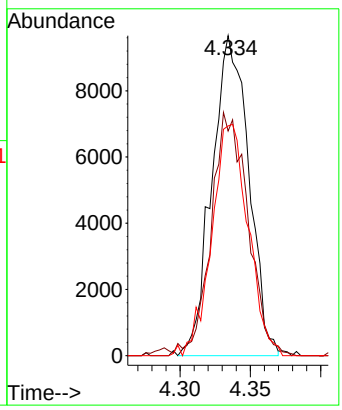




#39
1,2-Dichloropropane
Concen: 0.934 ppbv
RT: 4.334 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 1755

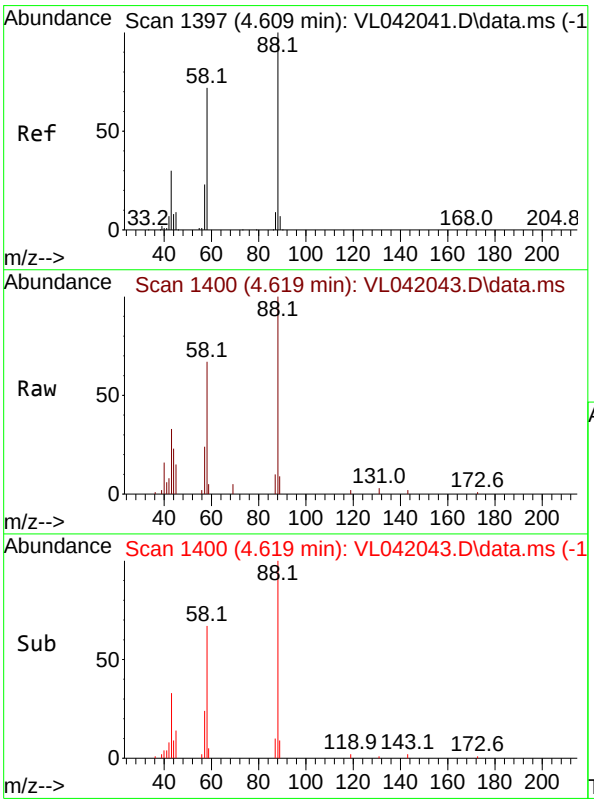
Ion	Ratio	Lower	Upper
63	100		
41	67.2	60.1	90.1
62	68.5	55.8	83.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

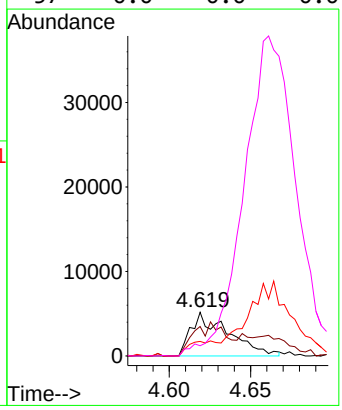
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

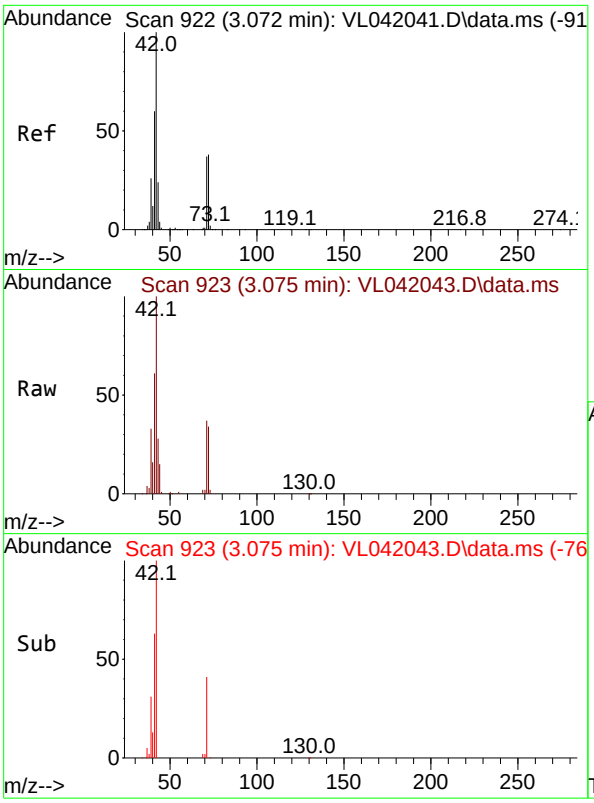


#40
1,4-Dioxane
Concen: 0.850 ppbv m
RT: 4.619 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 88 Resp: 8319

Ion	Ratio	Lower	Upper
88	100		
58	123.2	62.6	94.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

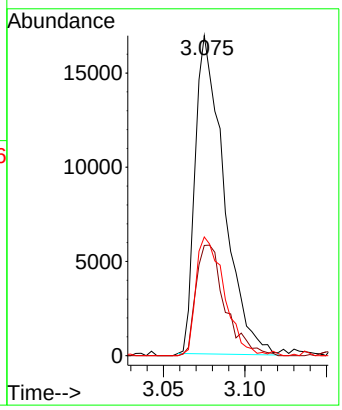




#41
Tetrahydrofuran
Concen: 1.000 ppbv
RT: 3.075 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 42 Resp: 2082

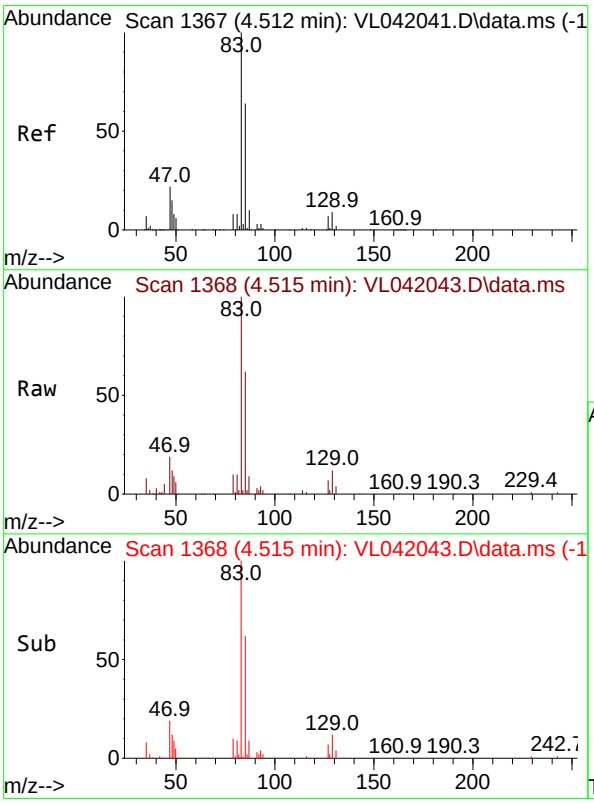
Ion	Ratio	Lower	Upper
42	100		
72	35.0	30.2	45.2
71	37.3	28.2	42.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

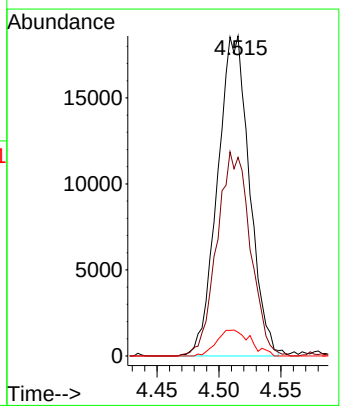
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

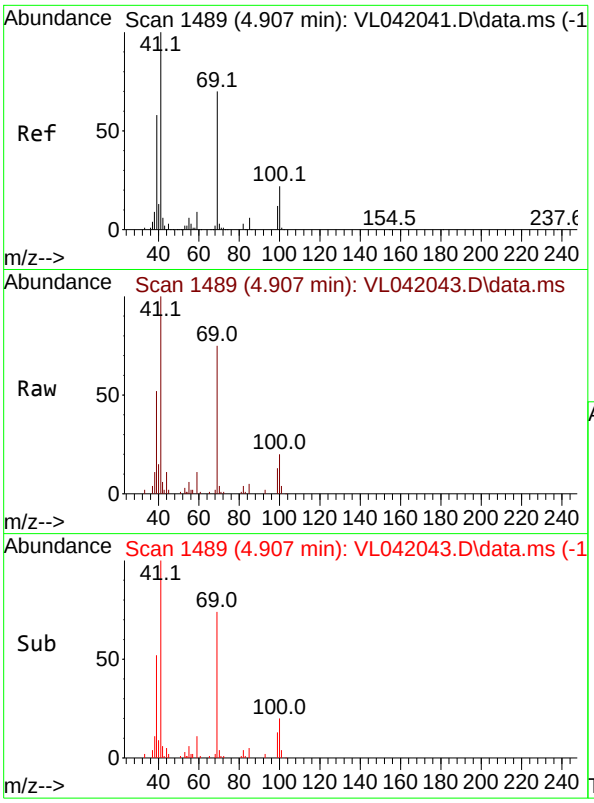


#42
Bromodichloromethane
Concen: 0.847 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 33481

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2
127	7.4	5.8	8.6

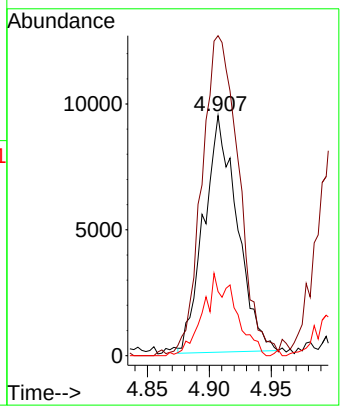




#43
Methyl Methacrylate
Concen: 0.756 ppbv
RT: 4.907 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 69 Resp: 1767

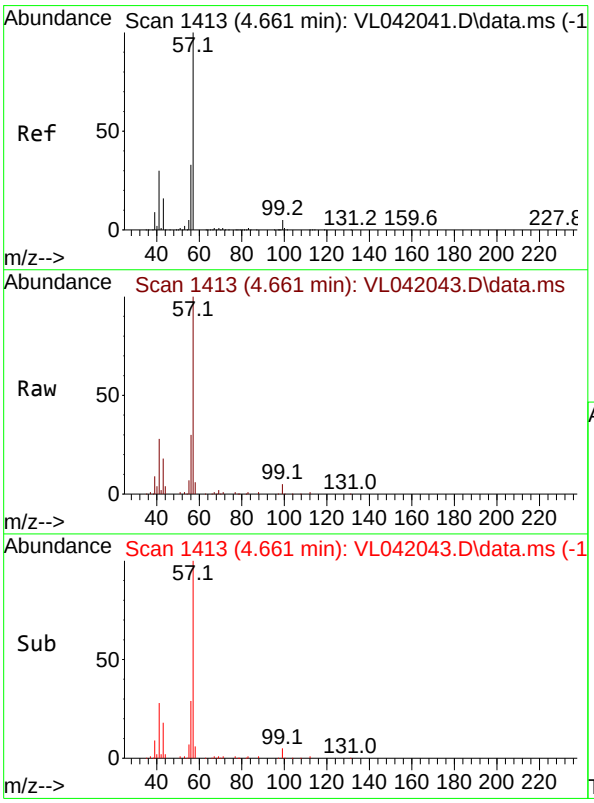
Ion	Ratio	Lower	Upper
69	100		
41	148.9	118.2	177.4
100	34.0	27.0	40.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

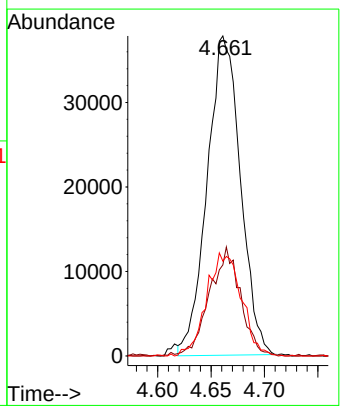
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

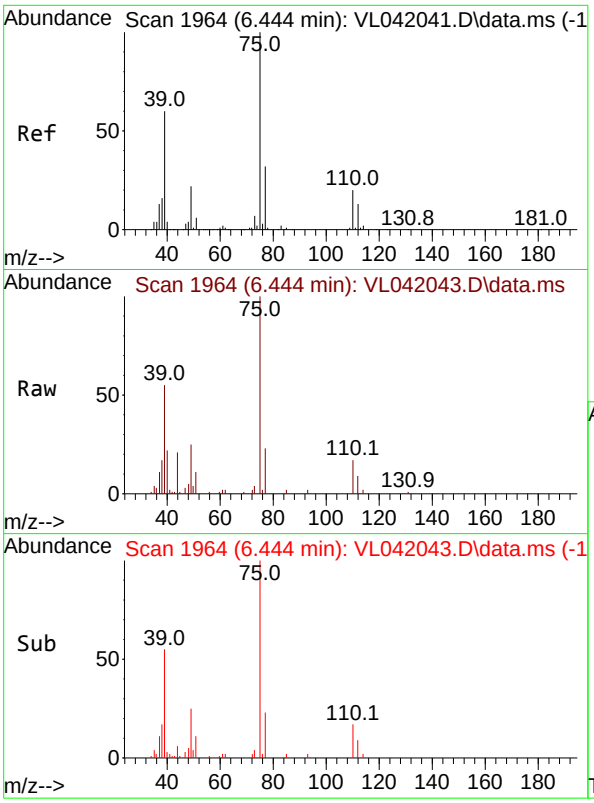


#44
2,2,4-Trimethylpentane
Concen: 0.941 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 57 Resp: 81921

Ion	Ratio	Lower	Upper
57	100		
41	31.8	24.4	36.6
56	33.7	26.5	39.7

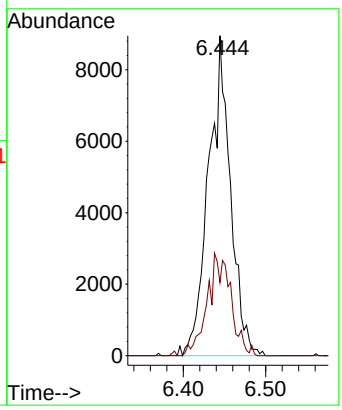




#45
t-1,3-Dichloropropene
Concen: 0.751 ppbv m
RT: 6.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 1657

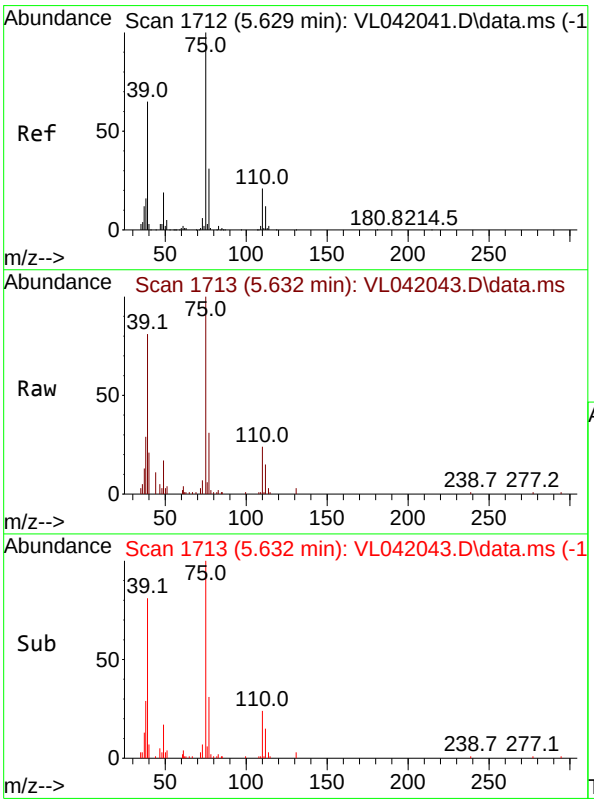
Ion	Ratio	Lower	Upper
75	100		
77	22.9	25.9	38.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

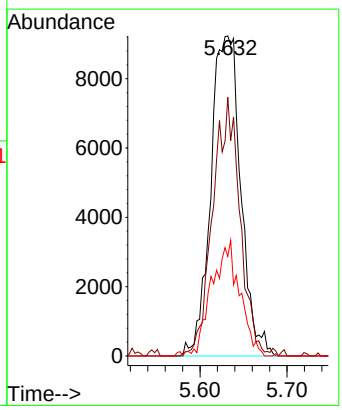
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

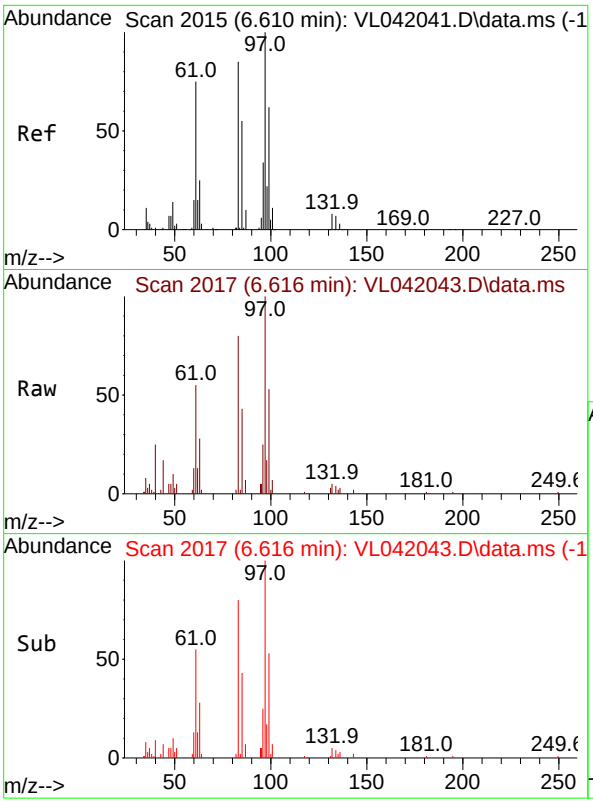


#46
cis-1,3-Dichloropropene
Concen: 0.790 ppbv m
RT: 5.632 min Scan# 1713
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 22127

Ion	Ratio	Lower	Upper
75	100		
39	80.8	51.9	77.9#
77	31.1	24.9	37.3

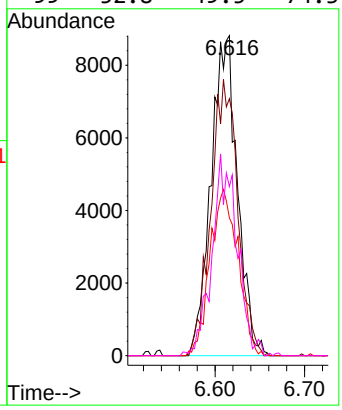




#47
1,1,2-Trichloroethane
Concen: 0.918 ppbv m
RT: 6.616 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 1816

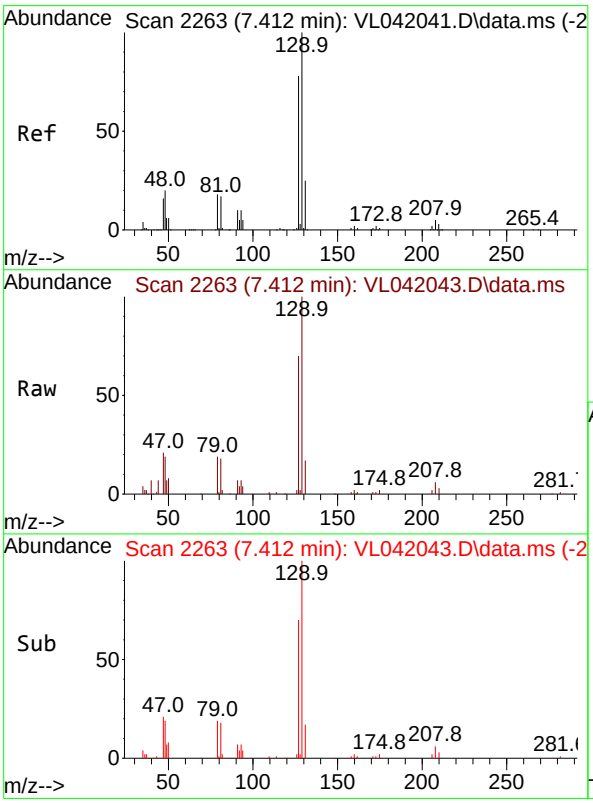
Ion	Ratio	Lower	Upper
97	100		
83	80.3	68.1	102.1
85	43.0	44.0	66.0
99	52.8	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

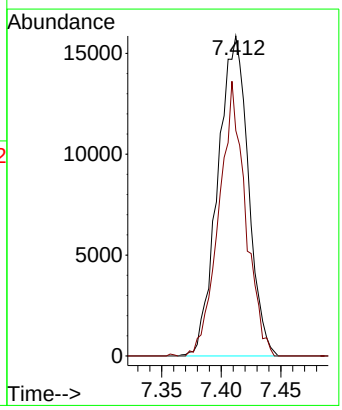
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

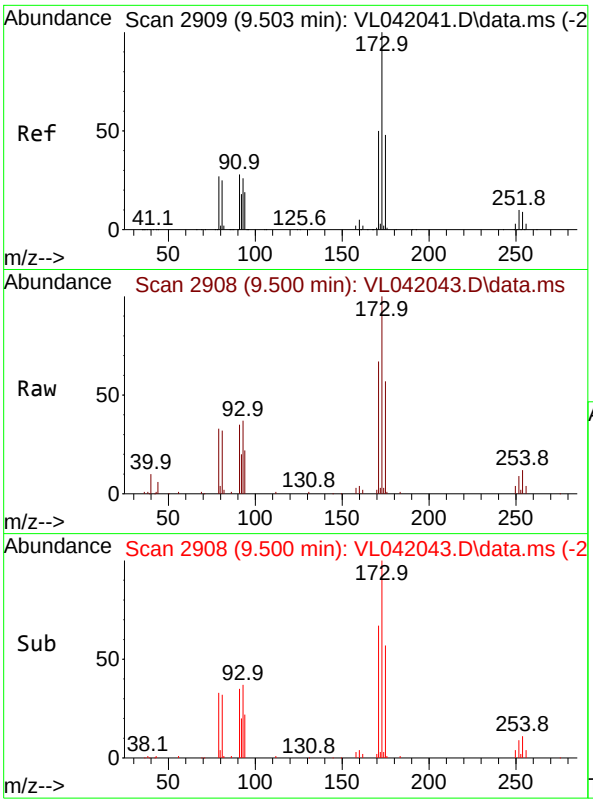


#48
Dibromochloromethane
Concen: 0.852 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:129 Resp: 28239

Ion	Ratio	Lower	Upper
129	100		
127	74.7	38.6	115.8

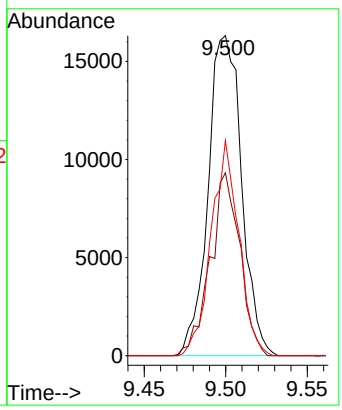




#49
Bromoform
Concen: 0.858 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:173 Resp: 2331

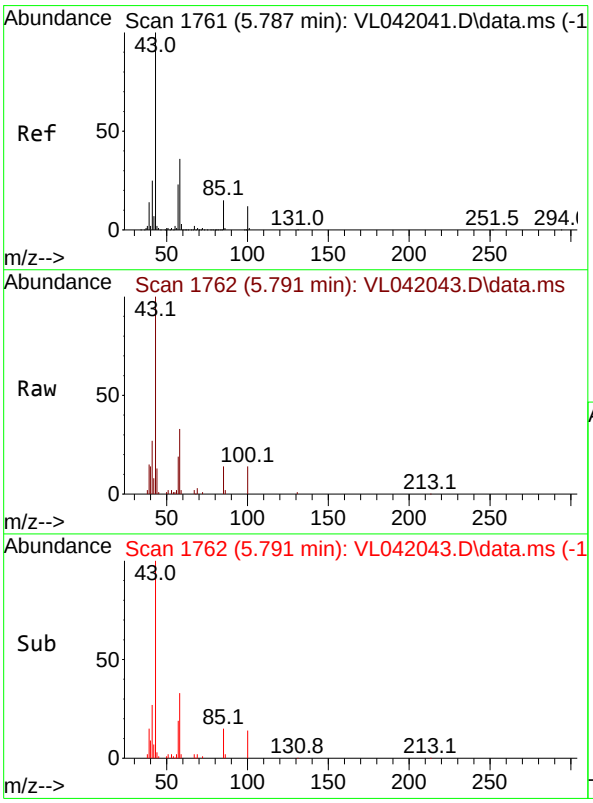
Ion	Ratio	Lower	Upper
173	100		
175	50.5	38.3	57.5
171	55.5	40.2	60.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

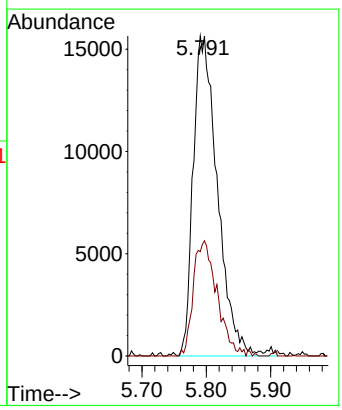
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

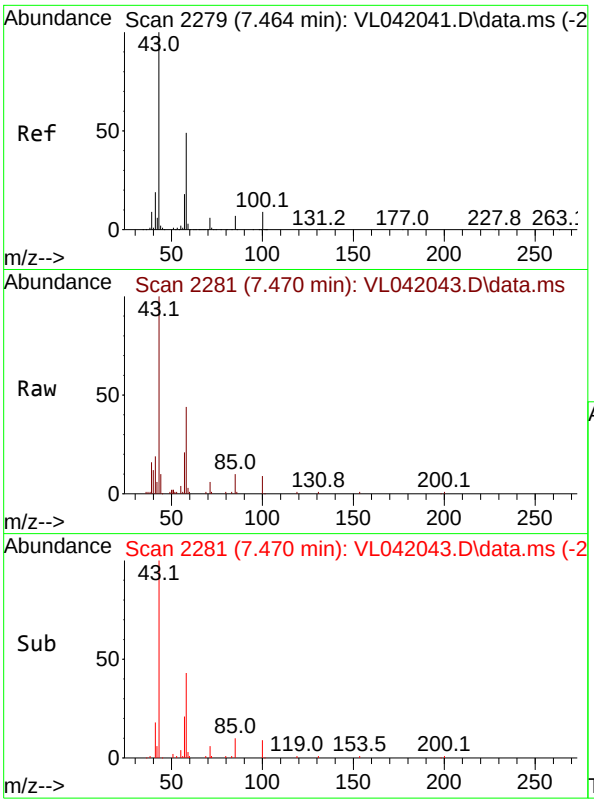


#50
4-Methyl-2-Pentanone
Concen: 0.737 ppbv m
RT: 5.791 min Scan# 1762
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 41249

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#





#51
2-Hexanone
Concen: 0.527 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

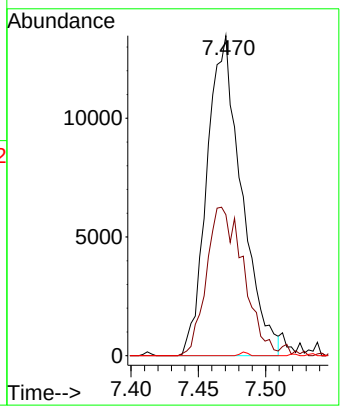
Tgt Ion: 43 Resp: 2411

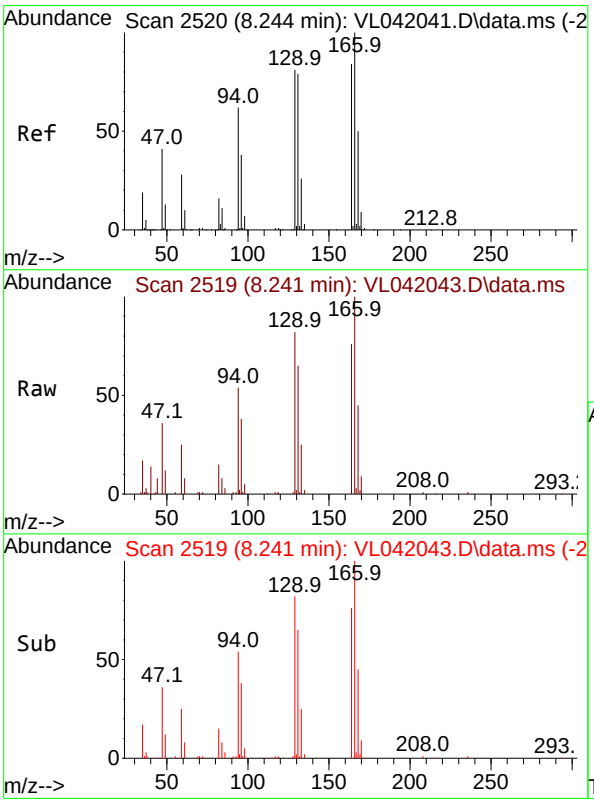
Ion	Ratio	Lower	Upper
43	100		
58	51.0	39.0	58.6
98	0.3	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

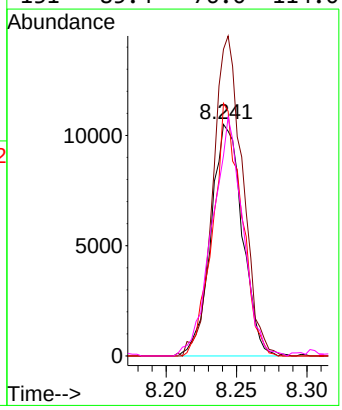


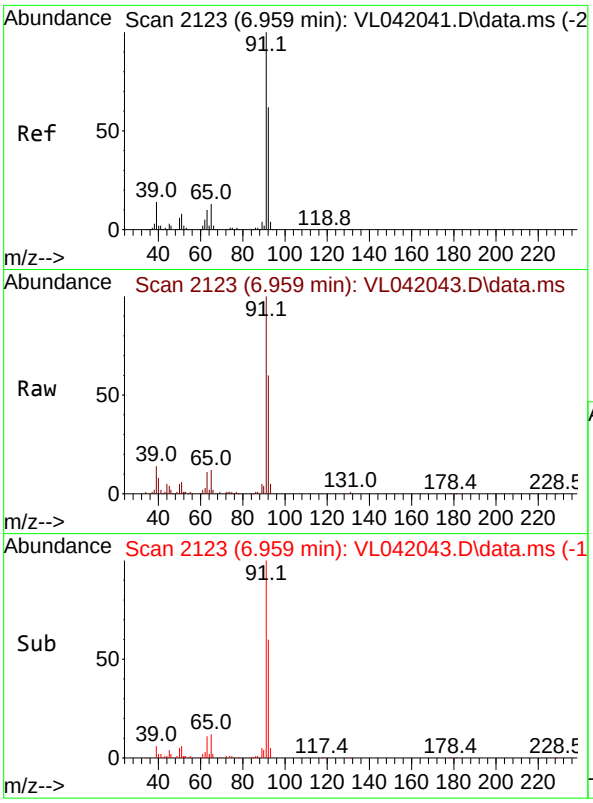


#52
Tetrachloroethene
Concen: 0.907 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 16217

Ion	Ratio	Lower	Upper
164	100		
166	131.2	95.7	143.5
129	109.1	77.1	115.7
131	85.4	76.0	114.0

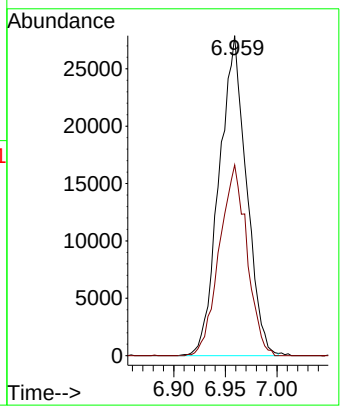




#53
Toluene
Concen: 0.838 ppbv
RT: 6.959 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 5123

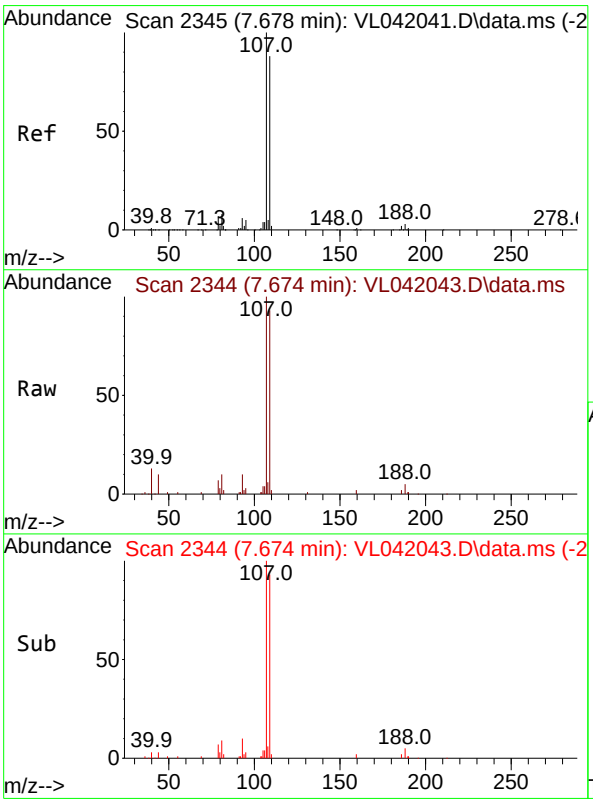
Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

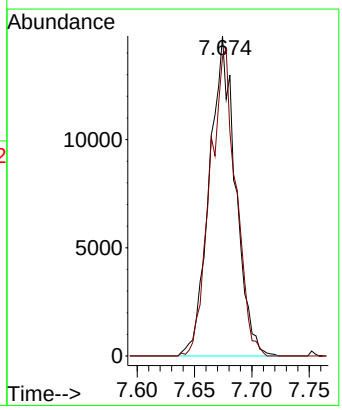
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

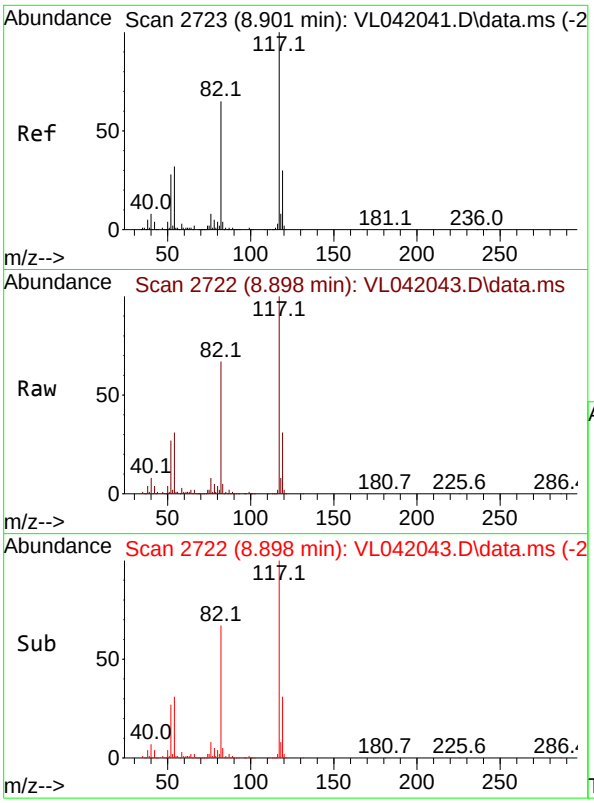


#54
1,2-Dibromoethane
Concen: 0.860 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:107 Resp: 23427

Ion	Ratio	Lower	Upper
107	100		
109	93.5	70.2	105.4

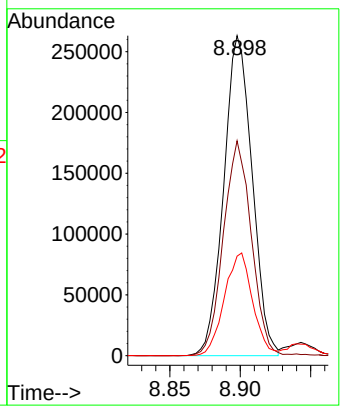




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 36991

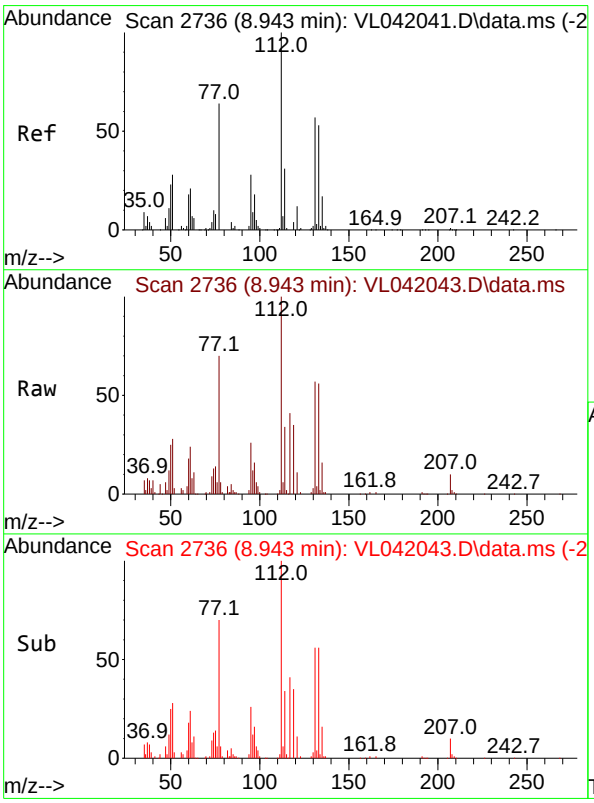
Ion	Ratio	Lower	Upper
117	100		
82	66.5	55.0	82.6
119	32.5	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

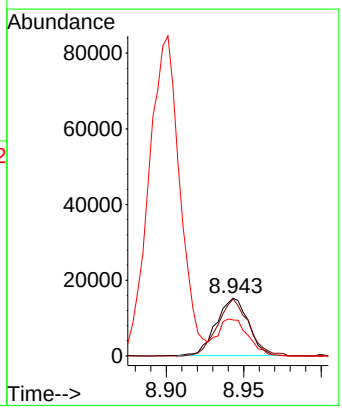
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

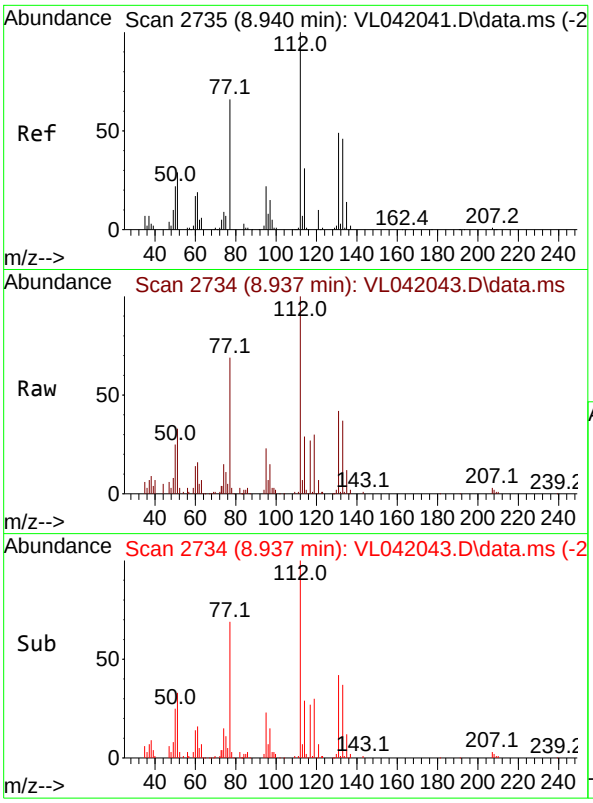


#56
1,1,1,2-Tetrachloroethane
Concen: 0.833 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:131 Resp: 22060

Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.8	113.8
119	60.4	52.1	78.1

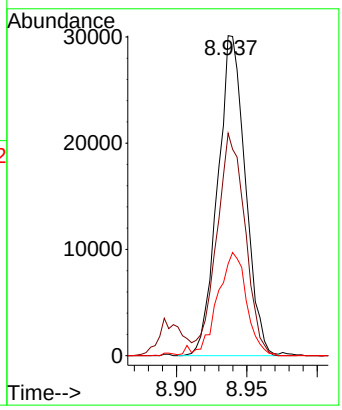




#57
Chlorobenzene
Concen: 0.946 ppbv
RT: 8.937 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:112 Resp: 4117

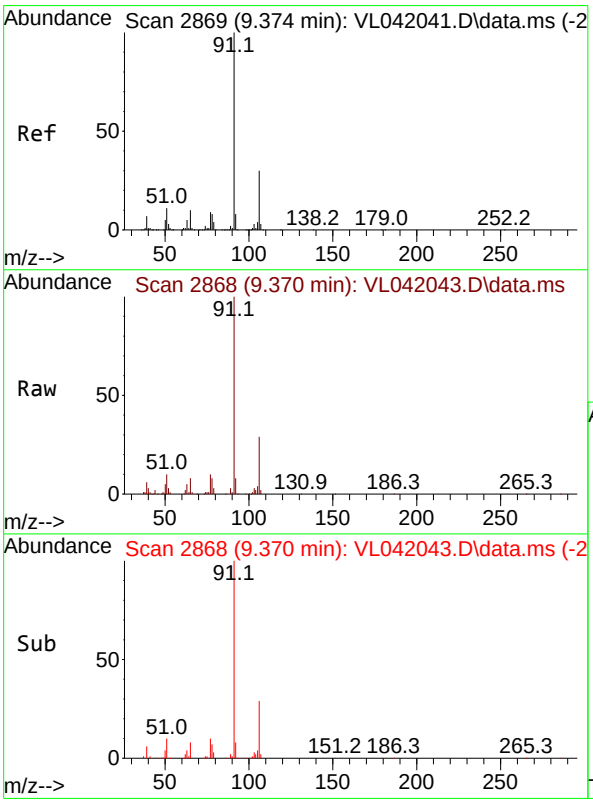
Ion	Ratio	Lower	Upper
112	100		
77	69.5	53.4	80.2
114	28.7	28.3	34.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

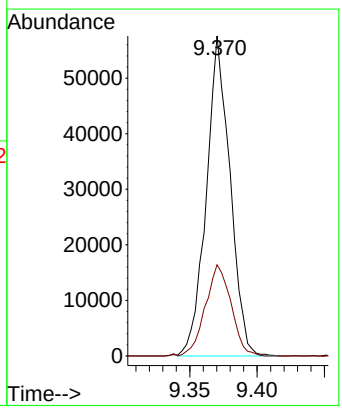
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

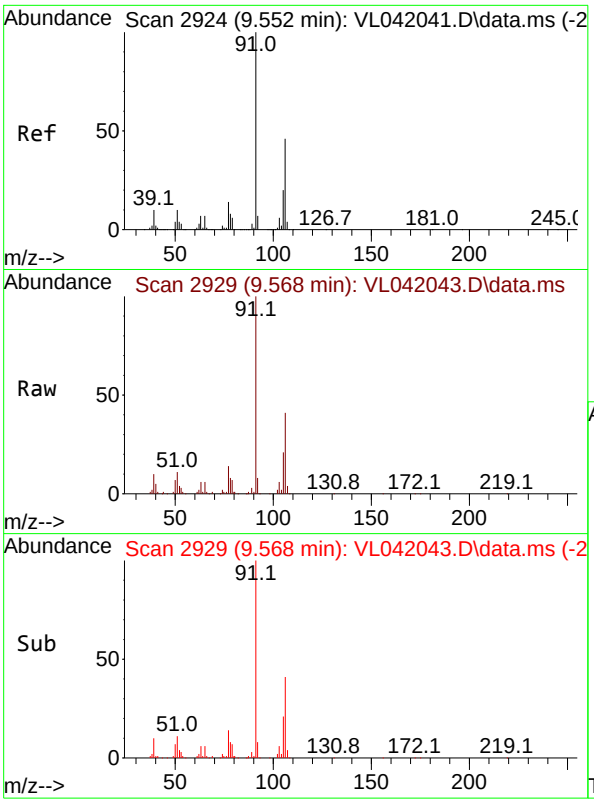


#58
Ethyl Benzene
Concen: 0.871 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 70507

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.2	36.2

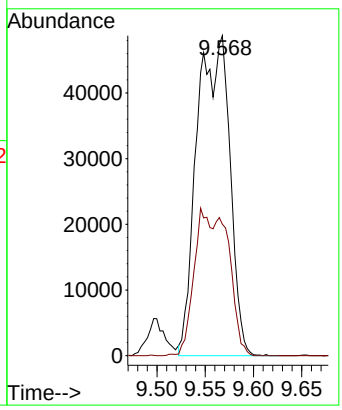




#59
m/p-Xylene
Concen: 1.799 ppbv m
RT: 9.568 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 11469

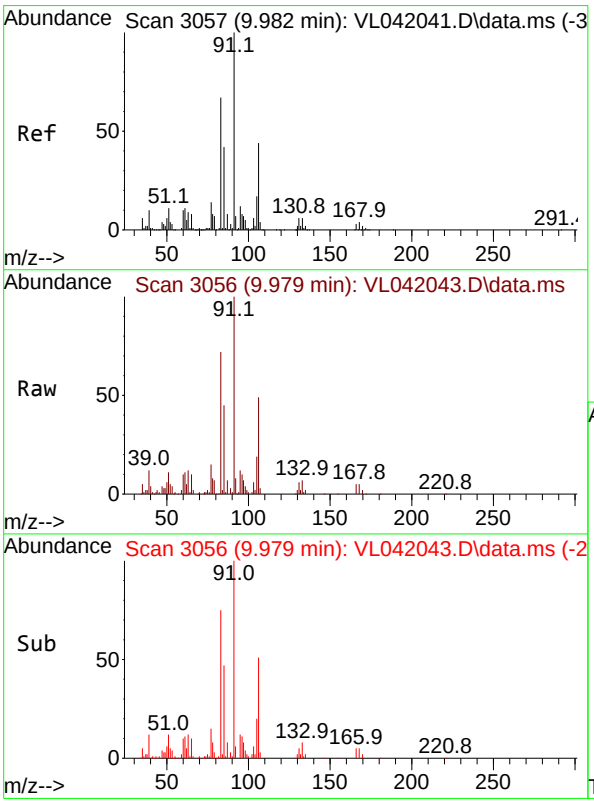
Ion	Ratio	Lower	Upper
91	100		
106	47.6	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

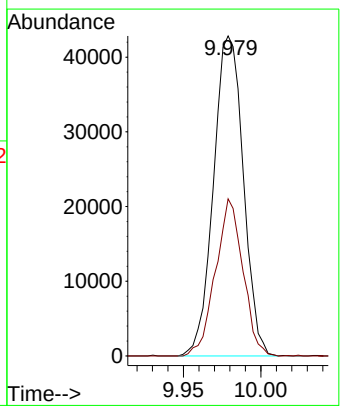
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

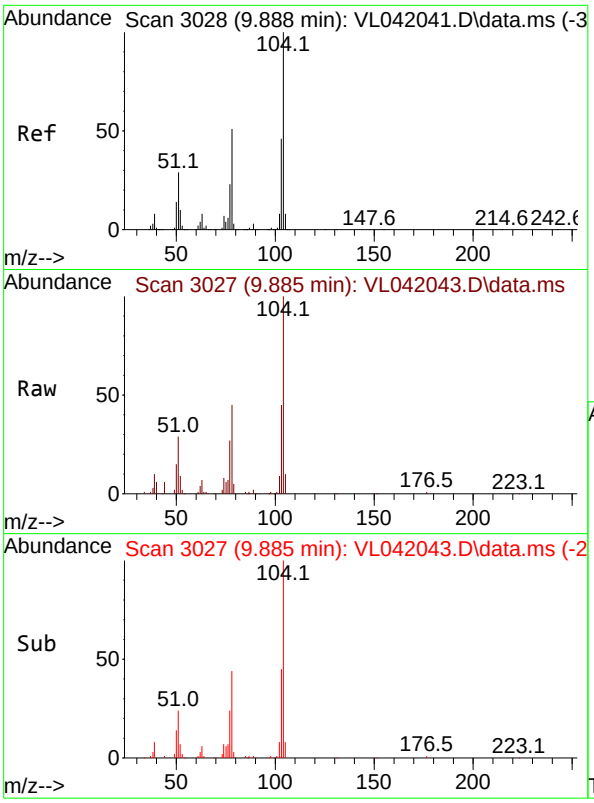


#60
o-Xylene
Concen: 0.889 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 57322

Ion	Ratio	Lower	Upper
91	100		
106	45.2	22.3	66.8

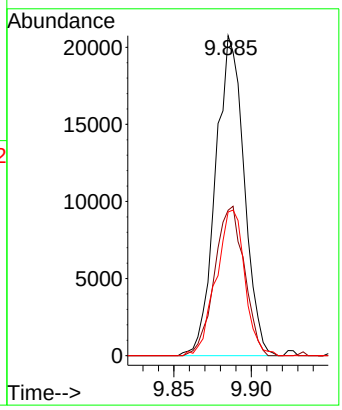




#61
Styrene
Concen: 0.865 ppbv
RT: 9.885 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:104 Resp: 2659

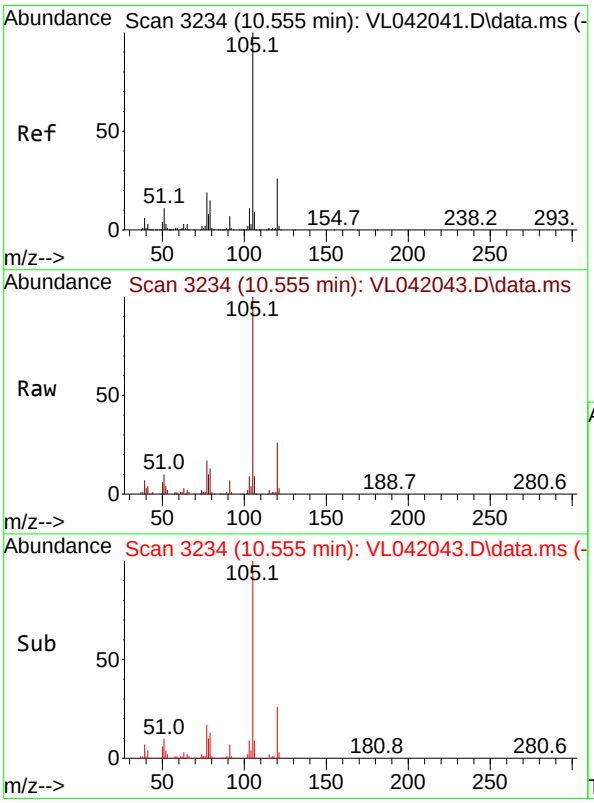
Ion	Ratio	Lower	Upper
104	100		
78	48.6	41.0	61.4
103	45.9	37.0	55.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

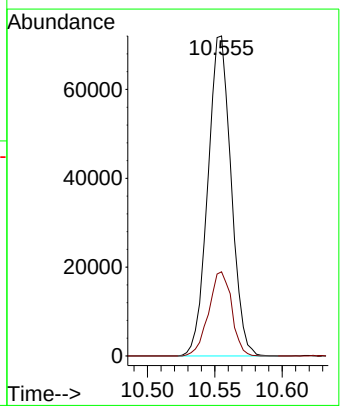
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

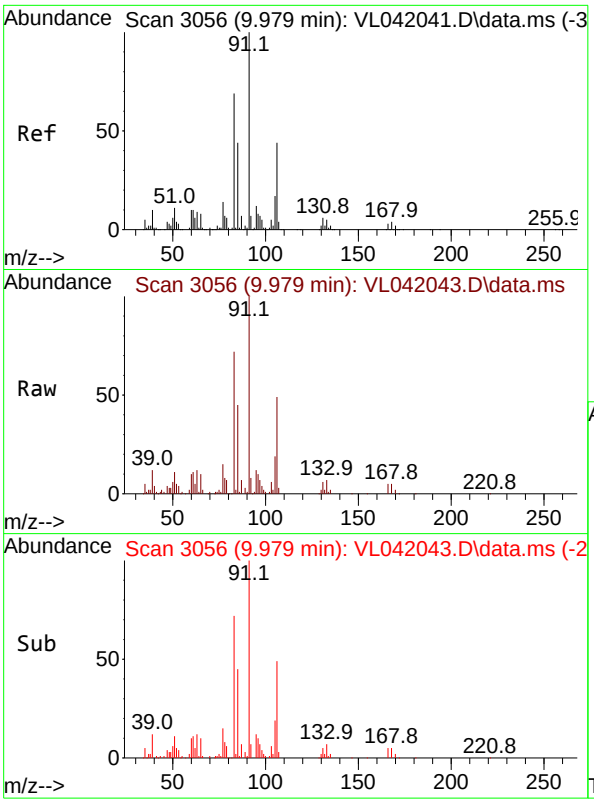


#62
Isopropylbenzene
Concen: 0.894 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 86533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1

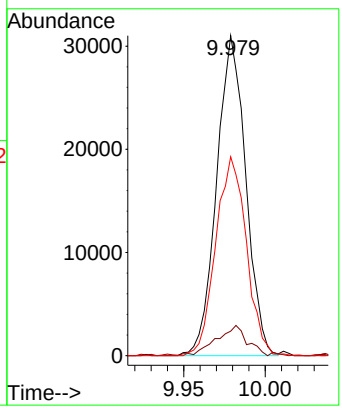




#63
1,1,2,2-Tetrachloroethane
Concen: 0.926 ppbv
RT: 9.979 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 3852

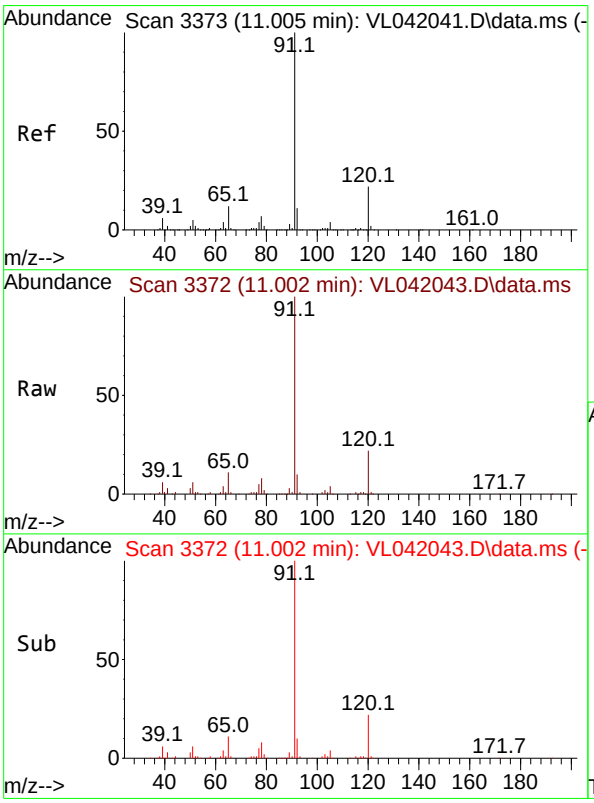
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.5	13.7
85	65.2	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

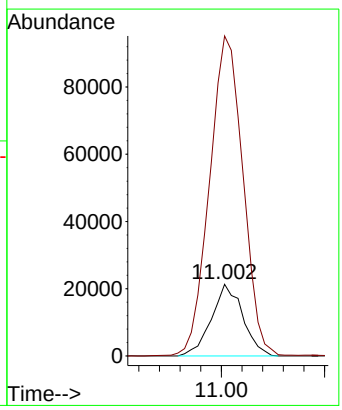
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

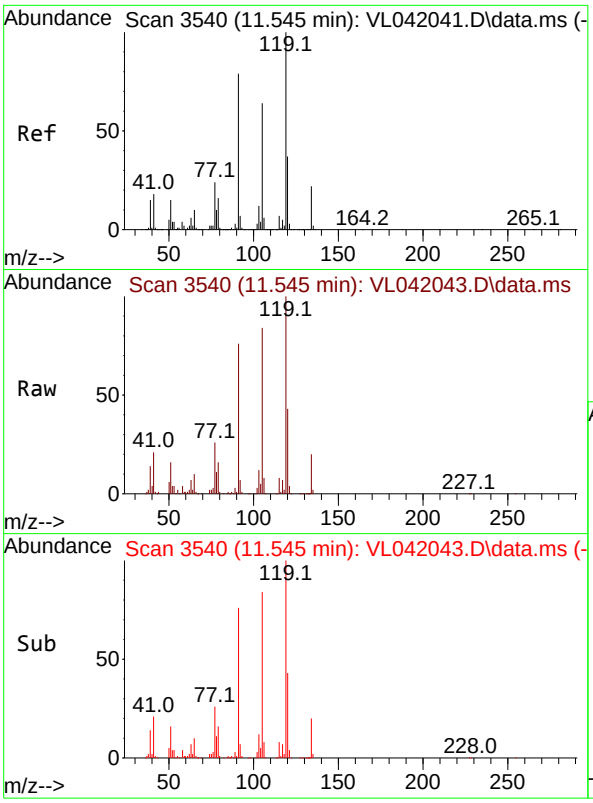


#64
n-propylbenzene
Concen: 0.944 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:120 Resp: 22456

Ion	Ratio	Lower	Upper
120	100		
91	478.3	370.6	556.0

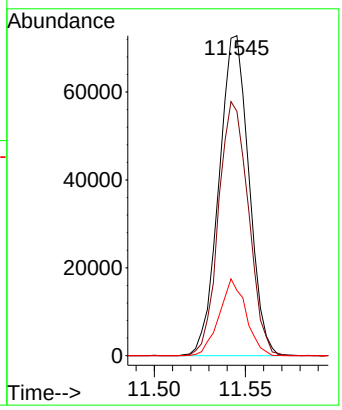




#65
tert-Butylbenzene
Concen: 0.987 ppbv
RT: 11.545 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 8328

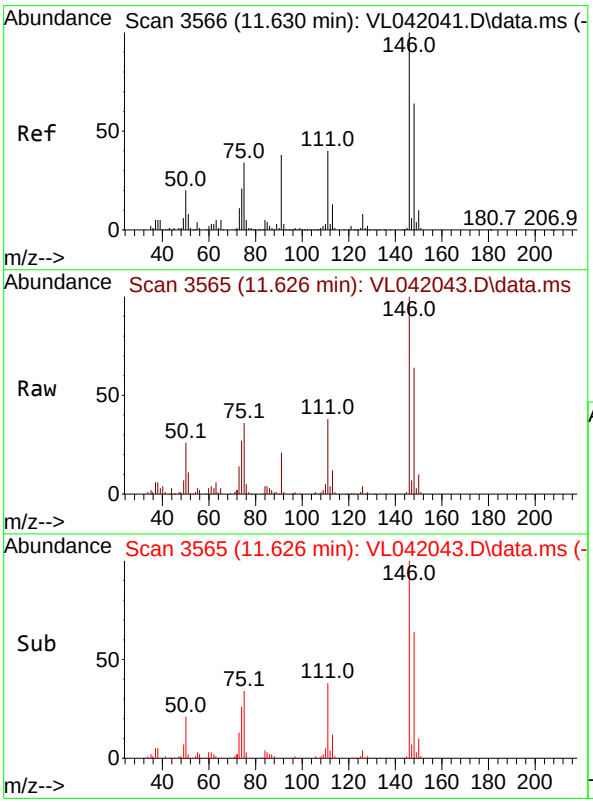
Ion	Ratio	Lower	Upper
119	100		
91	79.2	64.2	96.2
134	21.5	17.4	26.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

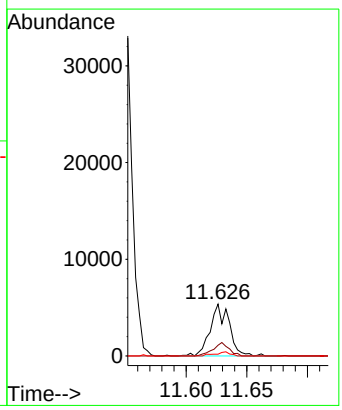
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

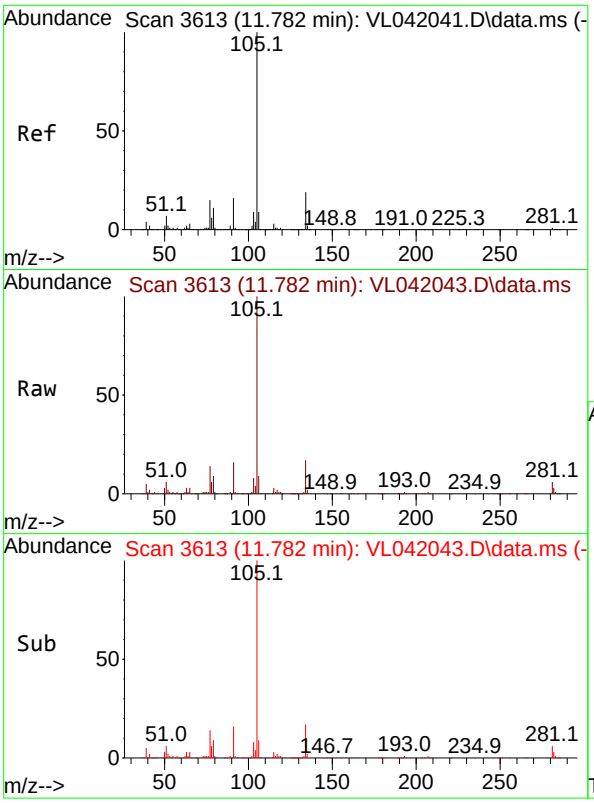


#66
Benzyl Chloride
Concen: 0.695 ppbv m
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 5880

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.5	21.7#
128	0.0	5.4	8.2#

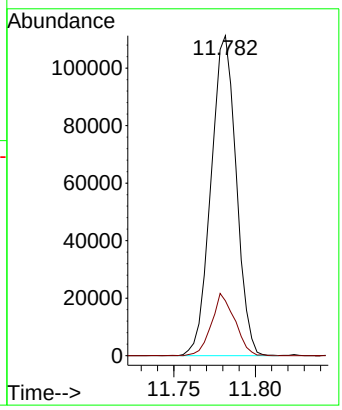




#67
sec-Butylbenzene
Concen: 1.007 ppbv
RT: 11.782 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 11943

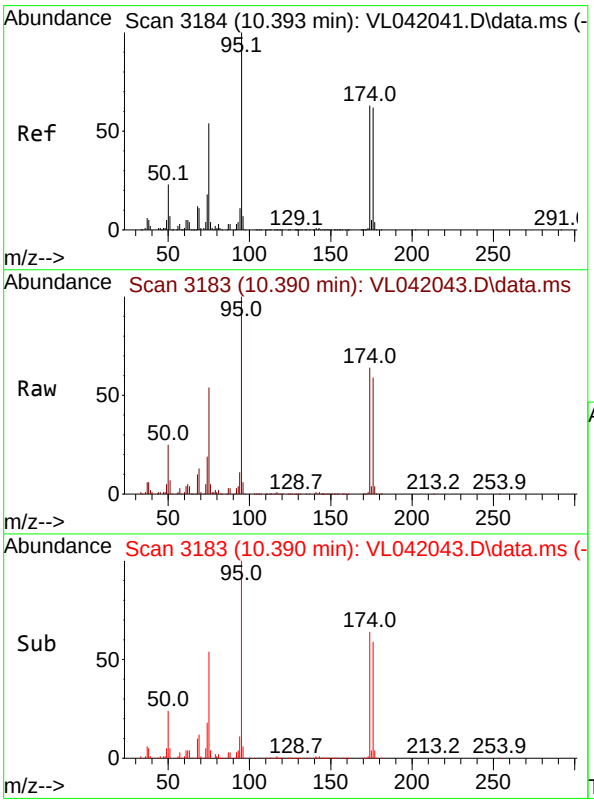
Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

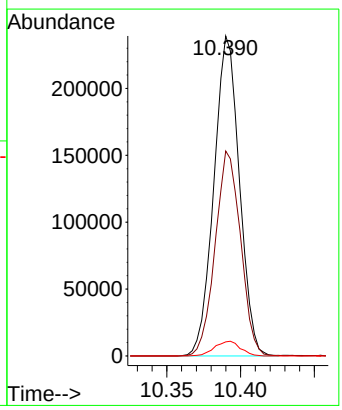
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

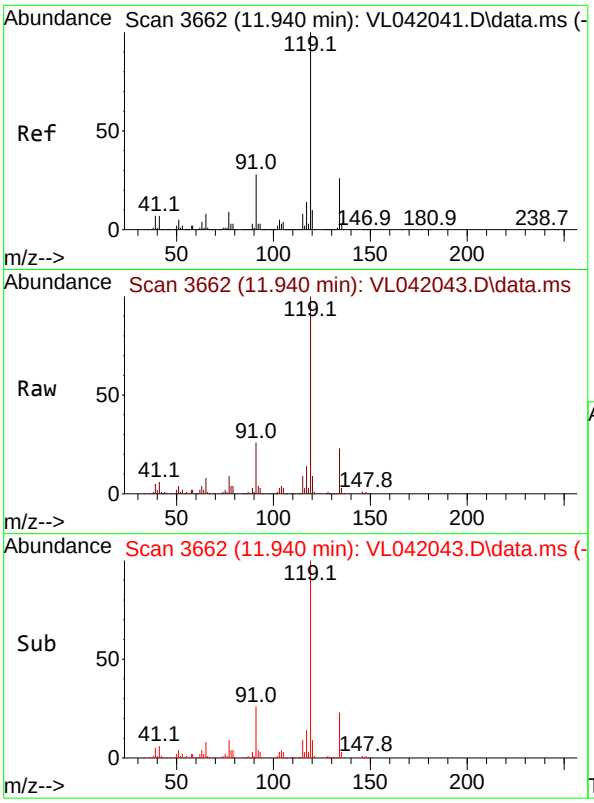


#68
1-Bromo-4-Fluorobenzene
Concen: 9.420 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 95 Resp: 287450

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.8	77.6
175	4.7	3.9	5.9

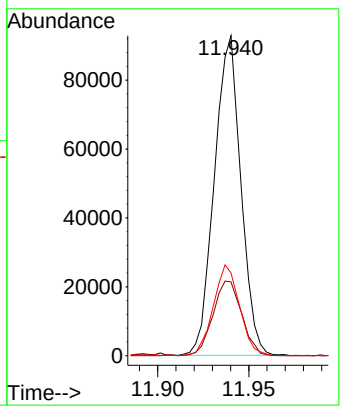




#69
p-Isopropyltoluene
Concen: 0.966 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 9371

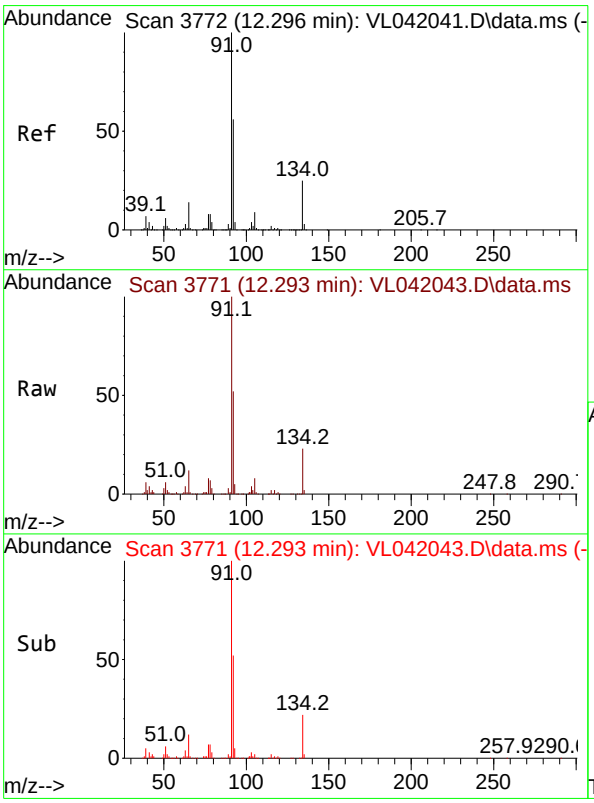
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.9	31.3
91	28.2	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

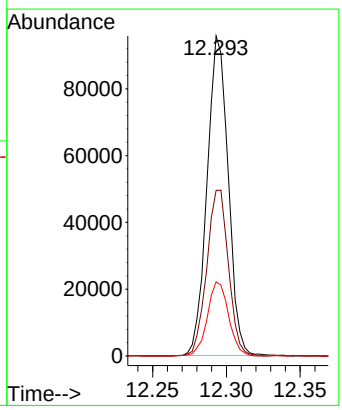
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

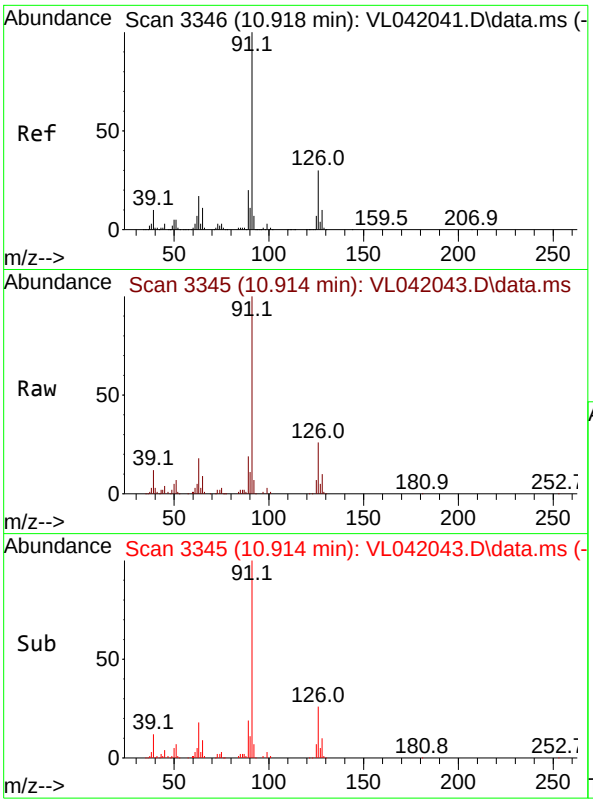


#70
n-Butylbenzene
Concen: 0.993 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 94969

Ion	Ratio	Lower	Upper
91	100		
92	53.5	44.7	67.1
134	23.5	18.9	28.3

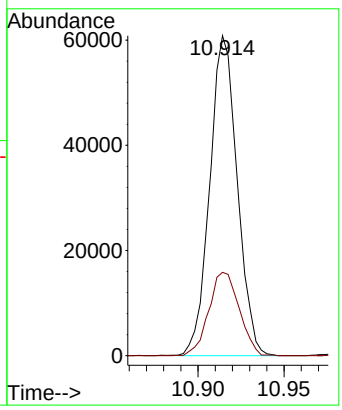




#71
2-Chlorotoluene
Concen: 0.928 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 6765

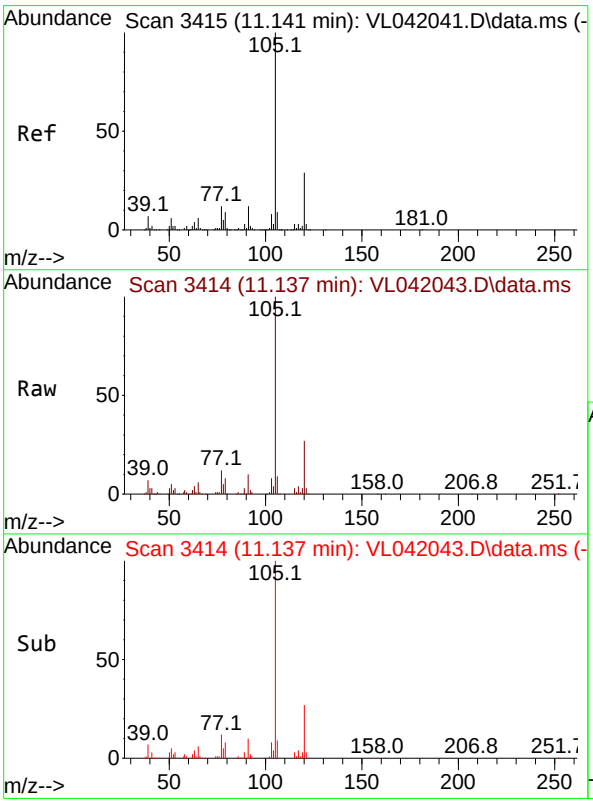
Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.9	47.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

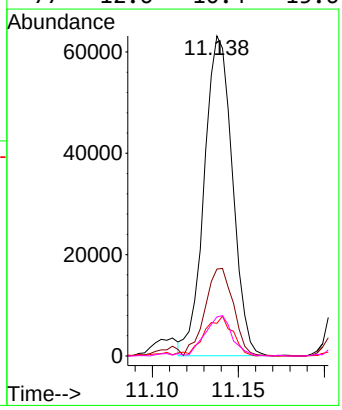
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

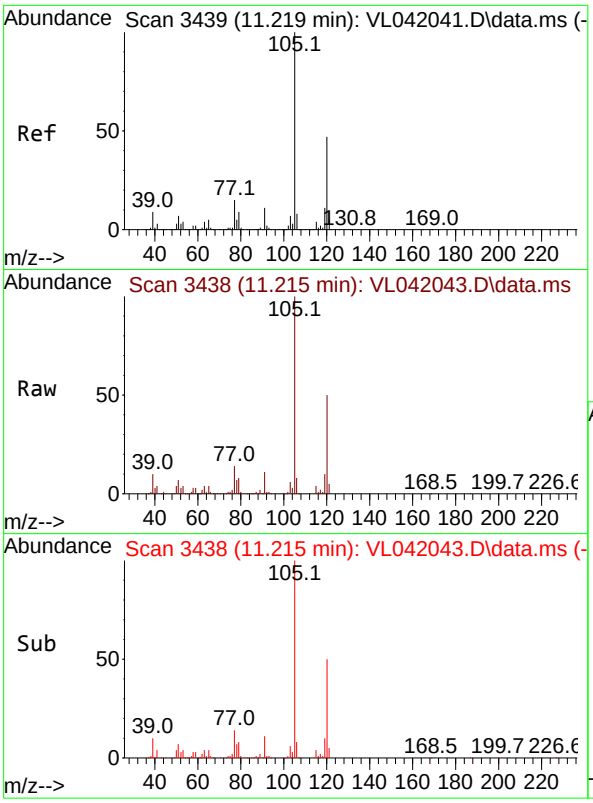


#72
4-Ethyltoluene
Concen: 0.952 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 71906

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.1	36.1
91	13.5	10.2	15.4
77	12.6	10.4	15.6

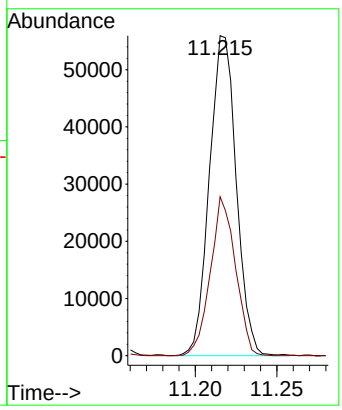




#73
1,3,5-Trimethylbenzene
Concen: 0.983 ppbv
RT: 11.215 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 6408

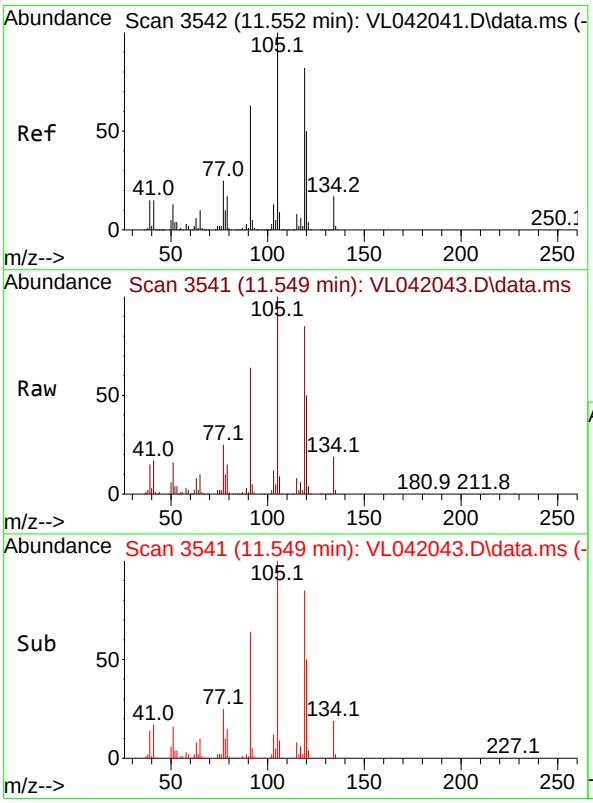
Ion	Ratio	Lower	Upper
105	100		
120	49.7	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

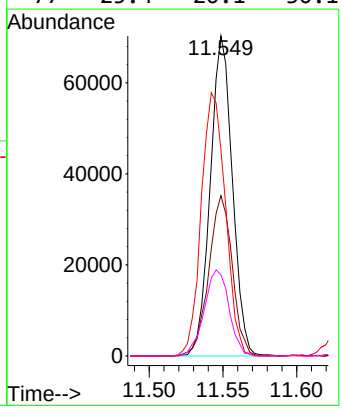
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

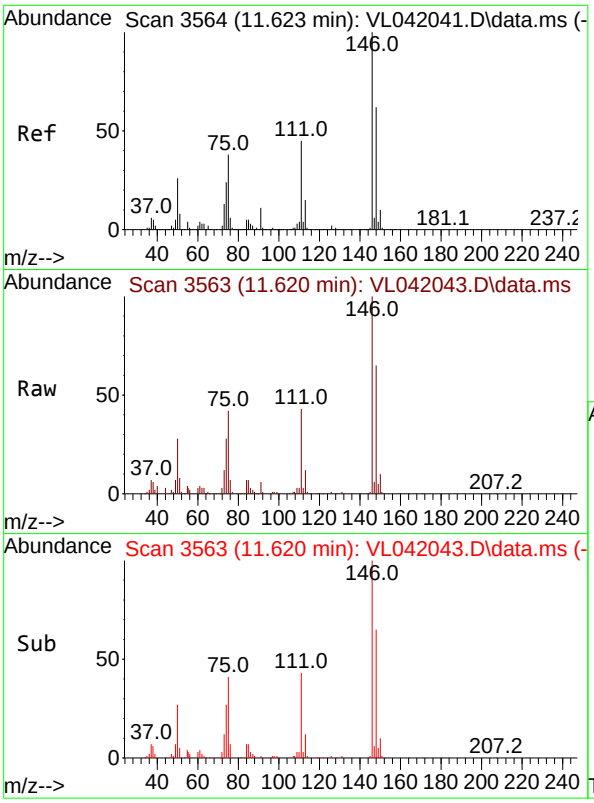


#74
1,2,4-Trimethylbenzene
Concen: 1.048 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 73323

Ion	Ratio	Lower	Upper
105	100		
120	50.1	40.2	60.2
91	64.4	51.4	77.2
77	25.4	20.1	30.1

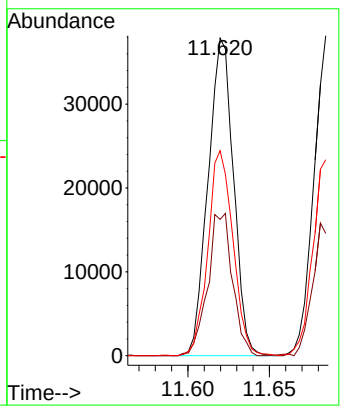




#75
1,3-Dichlorobenzene
Concen: 1.091 ppbv
RT: 11.620 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 4106

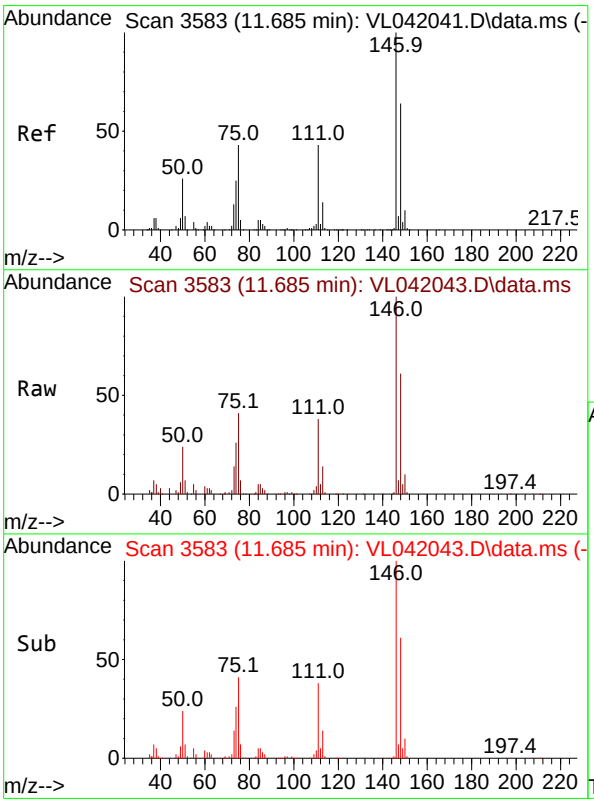
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.4	67.2
148	63.9	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

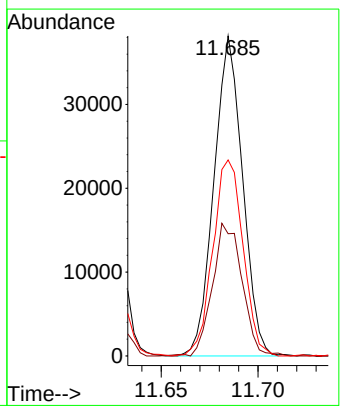
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

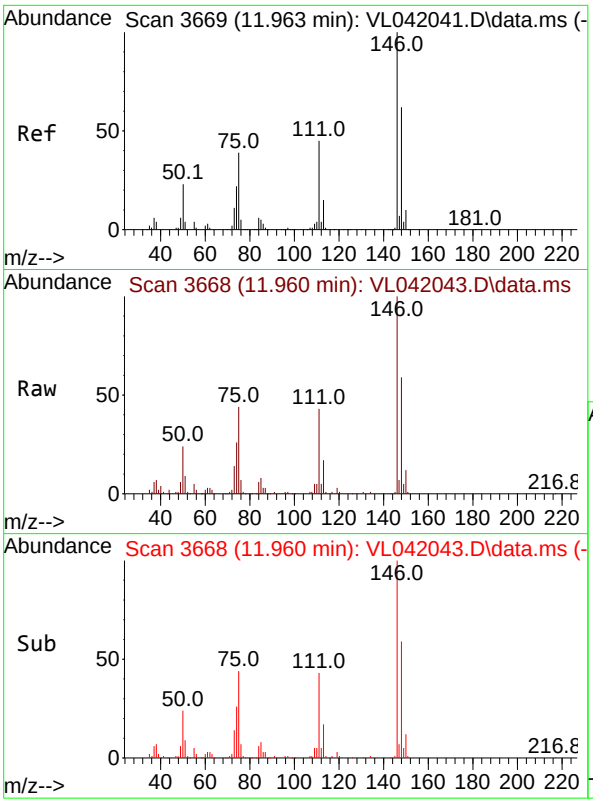


#76
1,4-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 39235

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	65.0	31.6	95.0

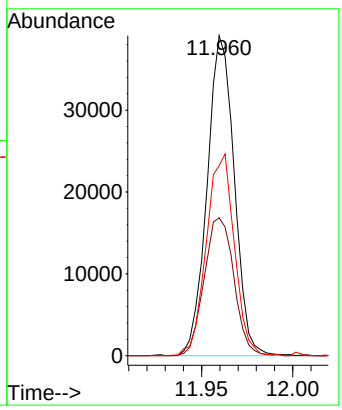




#77
1,2-Dichlorobenzene
Concen: 1.127 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 4057

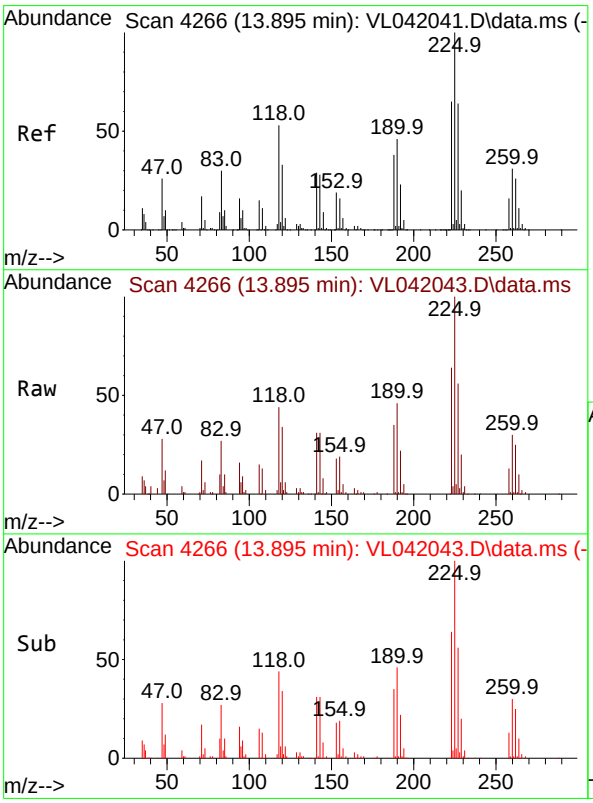
Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.2	69.6
148	65.4	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

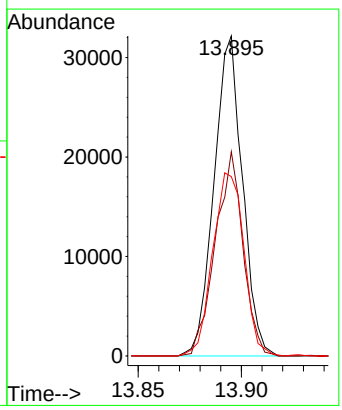
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

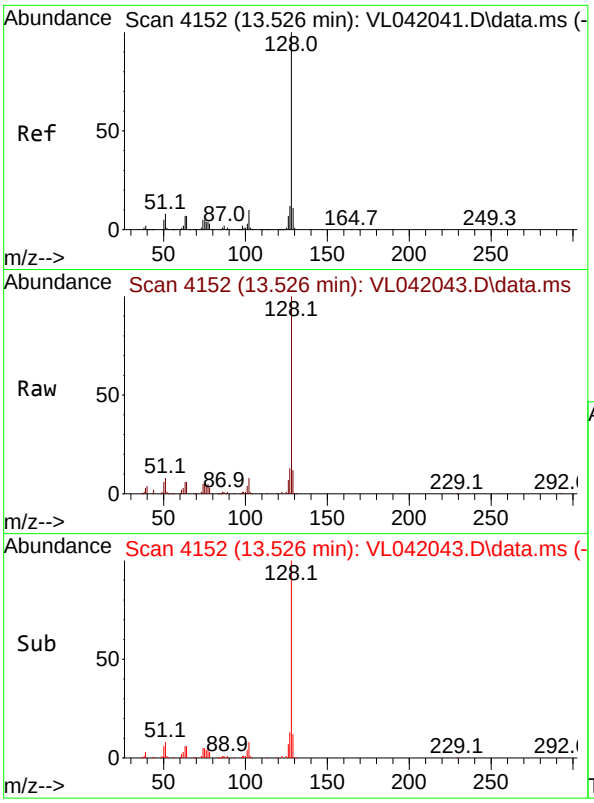


#78
Hexachloro-1,3-Butadiene
Concen: 1.033 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:225 Resp: 30764

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.2	75.2
227	63.2	50.8	76.2

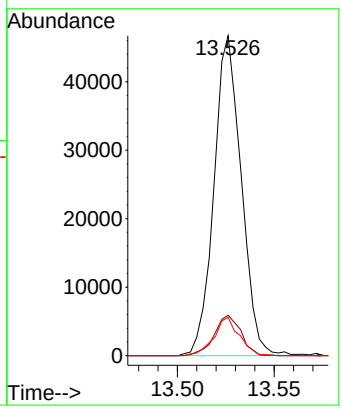




#79
Naphthalene
Concen: 0.665 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:128 Resp: 4574

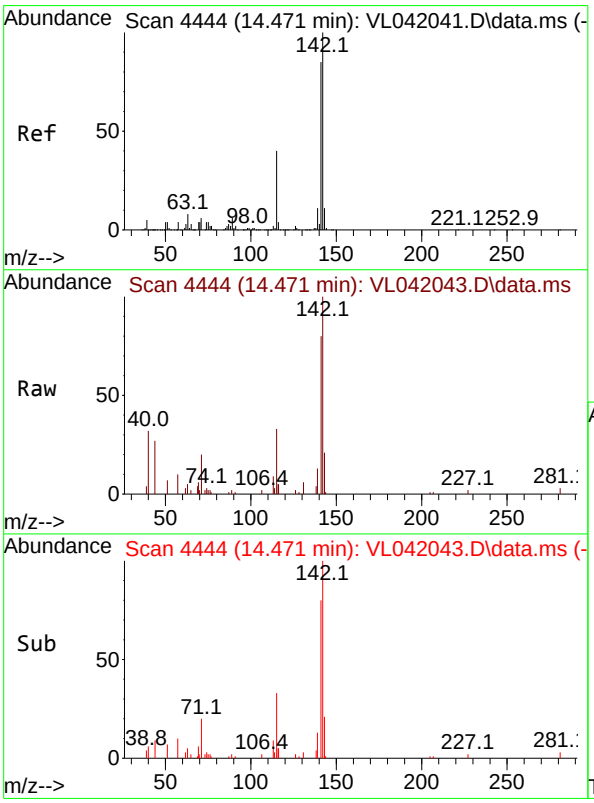
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.8	14.6
129	12.0	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

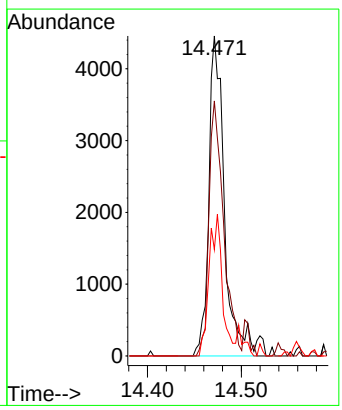
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

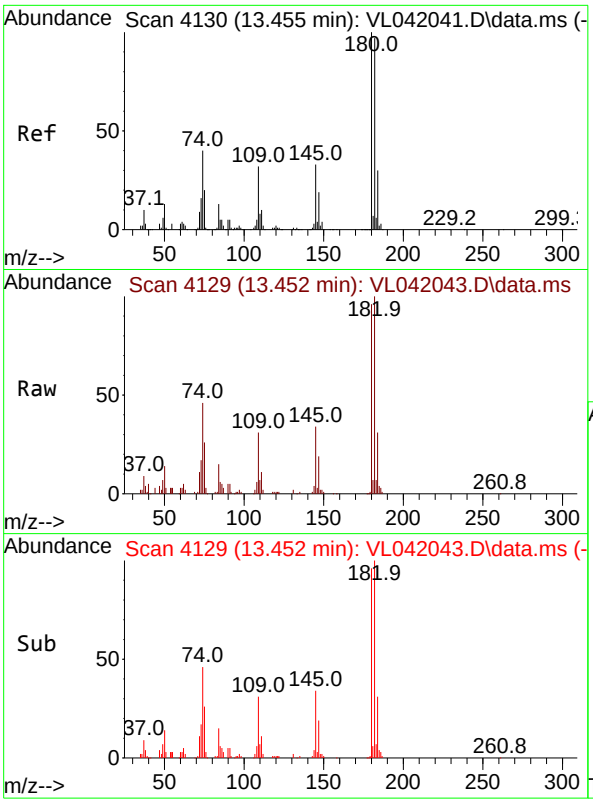


#80
Naphthalene,2-methyl-
Concen: 0.168 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:142 Resp: 5244

Ion	Ratio	Lower	Upper
142	100		
141	77.7	65.8	98.6
115	41.6	29.5	44.3

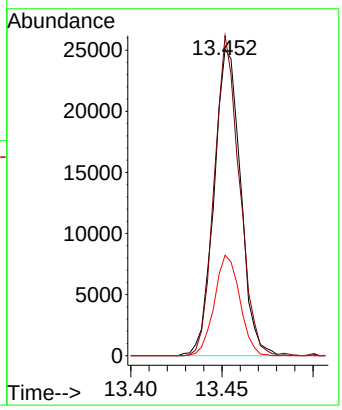




#81
1,2,4-Trichlorobenzene
Concen: 0.908 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:180 Resp: 2540

Ion	Ratio	Lower	Upper
180	100		
182	98.8	75.1	112.7
184	31.4	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	159644	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	421340	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	365954	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	281042	9.310	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	8852	0.322	ppbv		98
3) Chlorodifluoromethane	1.479	51	11921	0.392	ppbv		94
4) Chloromethane	1.537	50	3497	0.327	ppbv	#	88
5) Vinyl Chloride	1.583	62	3005	0.235	ppbv		98
6) Bromomethane	1.673	94	1359	0.275	ppbv		92
7) Chloroethane	1.709	64	1205	0.290	ppbv		89
8) Dichlorotetrafluoroethane	1.557	85	7123	0.295	ppbv		99
9) Propene	1.486	41	4904	0.374	ppbv		94
10) Heptane	5.004	43	15731	0.432	ppbv		98
11) Trichlorofluoromethane	1.884	101	8429	0.305	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.146	101	7336	0.340	ppbv		98
13) Ethanol	1.725	45	426	0.288	ppbv		75
14) Bromoethene	1.787	108	2598	0.323	ppbv	#	89
15) Acetone	1.842	43	8655	0.328	ppbv		96
16) 1,3-Butadiene	1.615	39	3803	0.304	ppbv		97
17) tert-Butyl alcohol	2.049	59	9447	0.290	ppbv	#	90
18) 1,1-Dichloroethene	2.039	96	3173	0.308	ppbv		94
19) Isopropyl Alcohol	1.894	45	4481	0.303	ppbv	#	32
20) Methylene Chloride	2.068	84	3423	0.345	ppbv		97
21) Allyl Chloride	2.104	41	5640	0.296	ppbv		100
22) trans-1,2-Dichloroethene	2.347	96	3838m	0.343	ppbv		
23) Vinyl Acetate	2.473	43	5499	0.385	ppbv	#	86
24) 1,1-Dichloroethane	2.418	63	7396	0.326	ppbv	#	88
25) Ethyl Acetate	2.848	43	30593	0.423	ppbv		98
26) Hexane	2.832	57	12739	0.439	ppbv		98
27) Carbon Disulfide	2.159	76	8316	0.305	ppbv	#	15
28) Methyl tert-Butyl Ether	2.450	73	5185	0.292	ppbv	#	80
29) Chloroform	2.858	83	17278	0.411	ppbv		93
30) Cyclohexane	3.874	84	9209	0.391	ppbv		88
31) cis-1,2-Dichloroethene	2.729	61	11344	0.395	ppbv		97
32) 1,1,1-Trichloroethane	3.382	97	15027	0.322	ppbv		93
34) 2-Butanone	2.570	43	17555	0.484	ppbv		99
35) Carbon Tetrachloride	3.780	117	14223	0.348	ppbv		90
36) Benzene	3.670	78	22728	0.445	ppbv		95
37) 1,2-Dichloroethane	3.230	62	13141	0.452	ppbv		100
38) Trichloroethene	4.570	130	9115	0.440	ppbv	#	87
39) 1,2-Dichloropropane	4.331	63	8877m	0.474	ppbv		
40) 1,4-Dioxane	4.622	88	4046m	0.416	ppbv		
41) Tetrahydrofuran	3.078	42	9880	0.477	ppbv		98
42) Bromodichloromethane	4.505	83	16973	0.431	ppbv	#	96
43) Methyl Methacrylate	4.904	69	8428	0.362	ppbv		93
44) 2,2,4-Trimethylpentane	4.661	57	40623	0.469	ppbv		98
45) t-1,3-Dichloropropene	6.441	75	8720m	0.397	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	10834m	0.389	ppbv		
47) 1,1,2-Trichloroethane	6.609	97	8982m	0.456	ppbv		
48) Dibromochloromethane	7.406	129	13014m	0.395	ppbv		
49) Bromoform	9.496	173	11640	0.430	ppbv		98
50) 4-Methyl-2-Pentanone	5.794	43	20992m	0.377	ppbv		
51) 2-Hexanone	7.470	43	12149m	0.267	ppbv		
52) Tetrachloroethene	8.241	164	8012	0.450	ppbv		95
53) Toluene	6.956	91	24224	0.398	ppbv		96
54) 1,2-Dibromoethane	7.674	107	11718m	0.432	ppbv		
56) 1,1,1,2-Tetrachloroethane	8.940	131	11100	0.424	ppbv	#	61
57) Chlorobenzene	8.936	112	20167	0.468	ppbv		97
58) Ethyl Benzene	9.370	91	34506	0.431	ppbv		90
59) m/p-Xylene	9.568	91	54449m	0.863	ppbv		
60) o-Xylene	9.979	91	28757	0.451	ppbv		95
61) Styrene	9.885	104	12051	0.396	ppbv		99
62) Isopropylbenzene	10.552	105	42074	0.439	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.975	83	18774	0.456	ppbv		96
64) n-propylbenzene	11.001	120	10900	0.463	ppbv		100
65) tert-Butylbenzene	11.542	119	38066	0.456	ppbv		98
66) Benzyl Chloride	11.626	91	2589	0.309	ppbv	#	96
67) sec-Butylbenzene	11.778	105	54394	0.464	ppbv		97
69) p-Isopropyltoluene	11.937	119	40978	0.427	ppbv		95
70) n-Butylbenzene	12.293	91	42673	0.451	ppbv		99
71) 2-Chlorotoluene	10.914	91	32161	0.446	ppbv		99
72) 4-Ethyltoluene	11.137	105	32477	0.434	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.215	105	29130	0.452	ppbv		91
74) 1,2,4-Trimethylbenzene	11.548	105	33950	0.491	ppbv		97
75) 1,3-Dichlorobenzene	11.616	146	20339	0.546	ppbv		96
76) 1,4-Dichlorobenzene	11.684	146	20492	0.564	ppbv		93
77) 1,2-Dichlorobenzene	11.959	146	19373	0.544	ppbv		96
78) Hexachloro-1,3-Butadiene	13.892	225	15367	0.522	ppbv		99
79) Naphthalene	13.523	128	17897	0.263	ppbv	#	95
80) Naphthalene,2-methyl-	14.478	142	1646	0.053	ppbv	#	81
81) 1,2,4-Trichlorobenzene	13.452	180	10771	0.389	ppbv		94

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

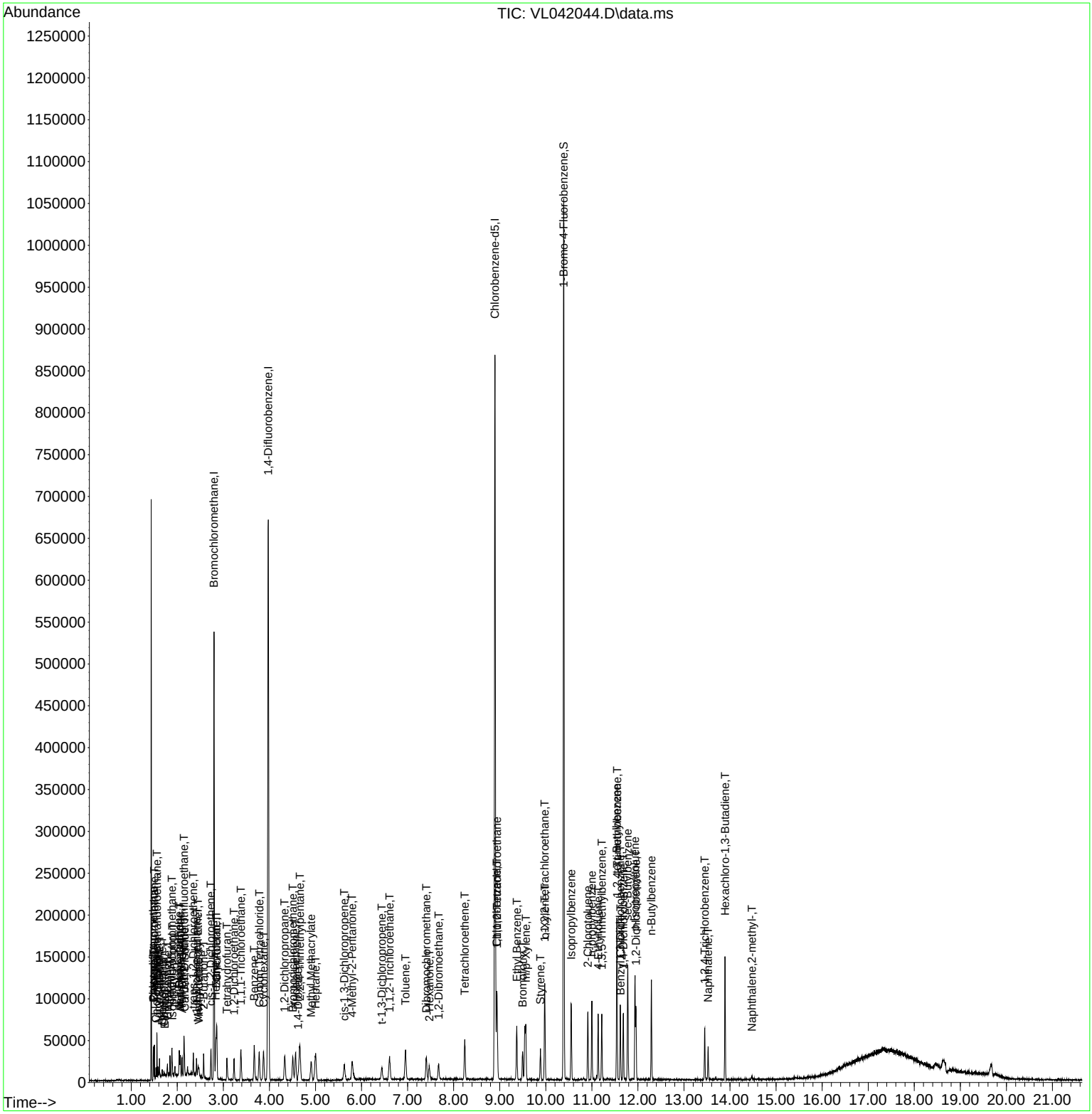
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

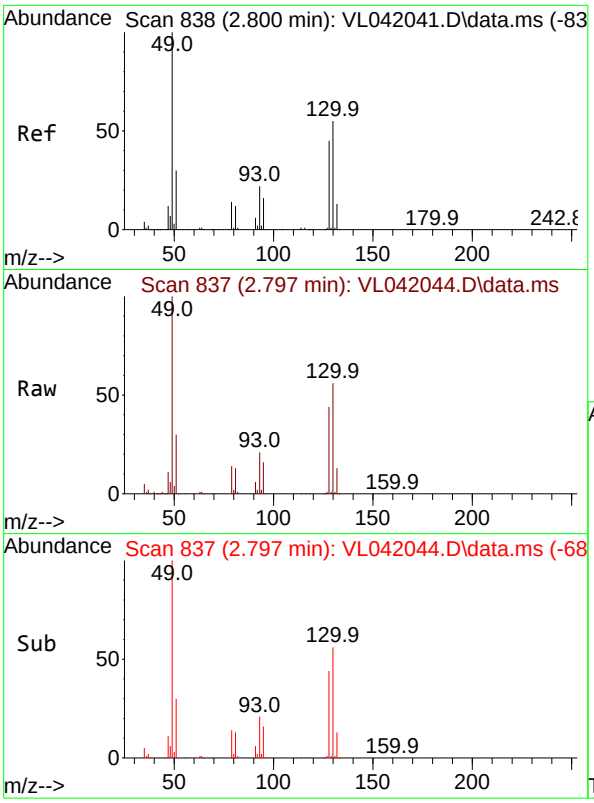
Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

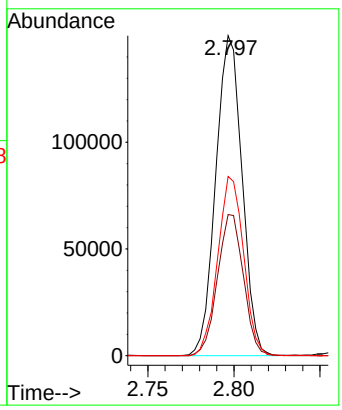




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 49 Resp: 15964

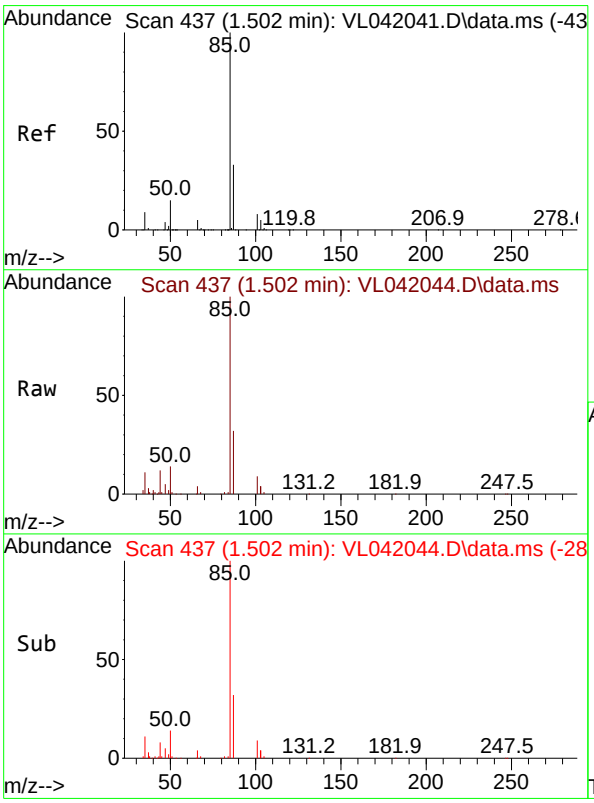
Ion	Ratio	Lower	Upper
49	100		
128	43.5	21.6	64.8
130	55.1	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

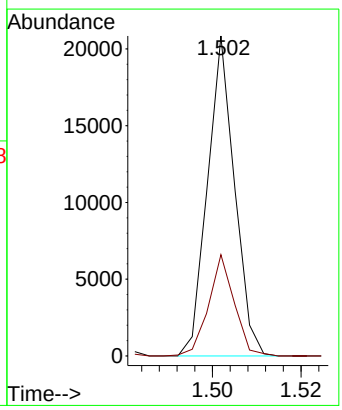
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

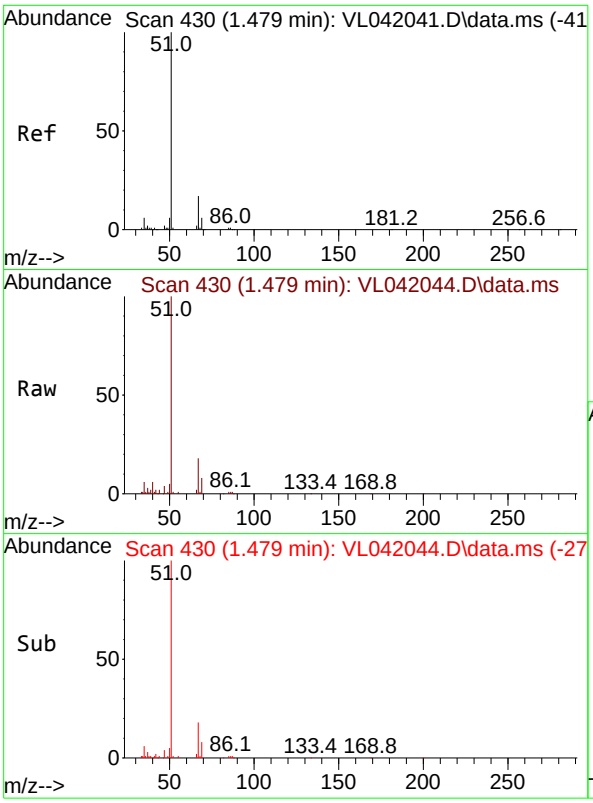


#2
Dichlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 85 Resp: 8852

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.4	39.6

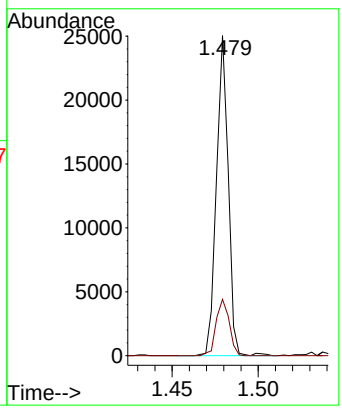




#3
Chlorodifluoromethane
Concen: 0.392 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 51 Resp: 1192

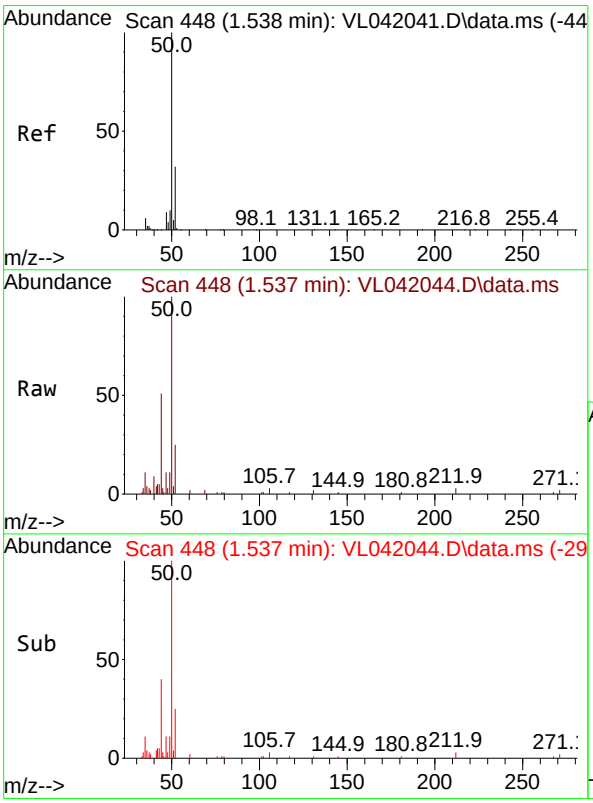
Ion	Ratio	Lower	Upper
51	100		
67	19.6	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

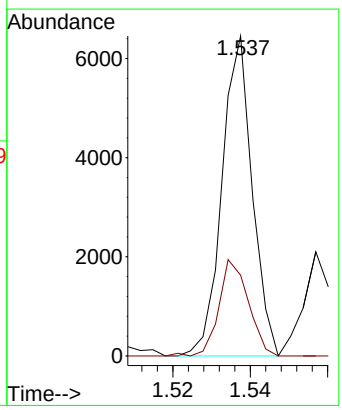
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

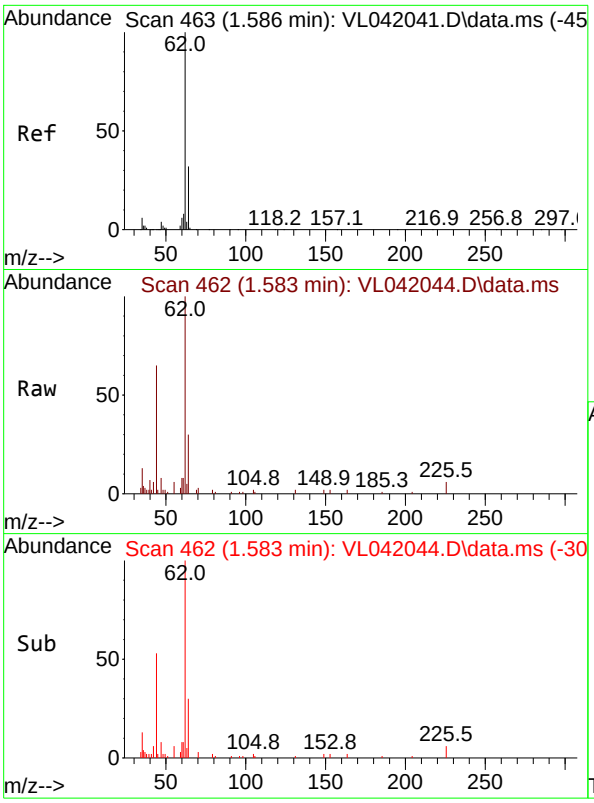


#4
Chloromethane
Concen: 0.327 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 50 Resp: 3497

Ion	Ratio	Lower	Upper
50	100		
52	25.3	25.4	38.0#

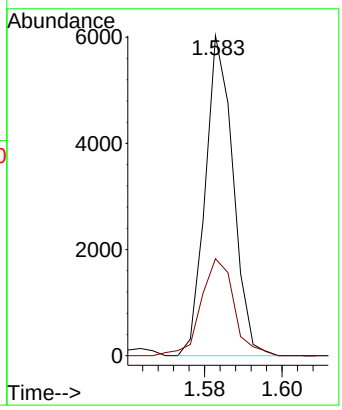




#5
Vinyl Chloride
Concen: 0.235 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 62 Resp: 300

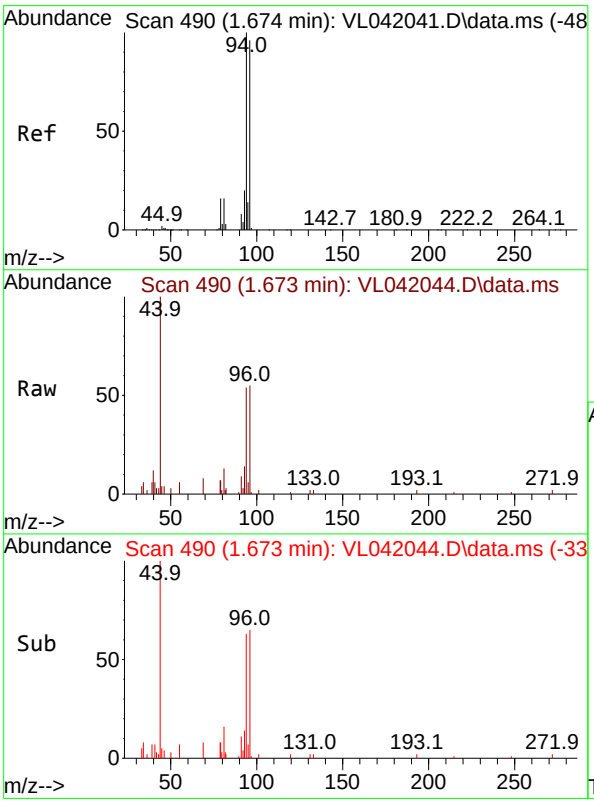
Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.3	37.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

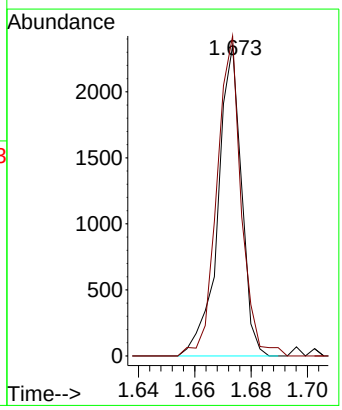
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

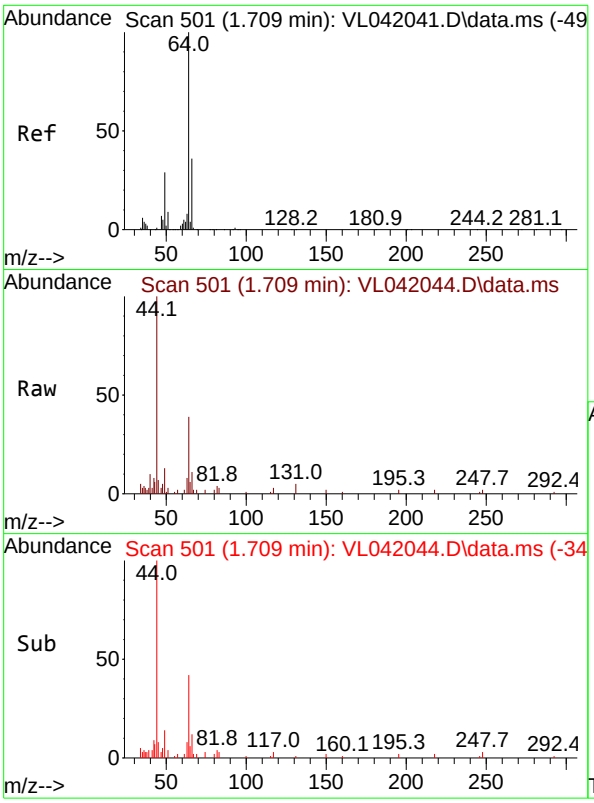


#6
Bromomethane
Concen: 0.275 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 94 Resp: 1359

Ion	Ratio	Lower	Upper
94	100		
96	103.2	76.5	114.7

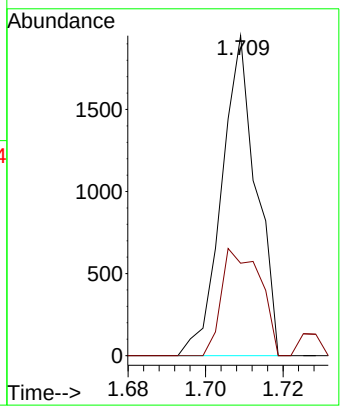




#7
Chloroethane
Concen: 0.290 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 64 Resp: 120

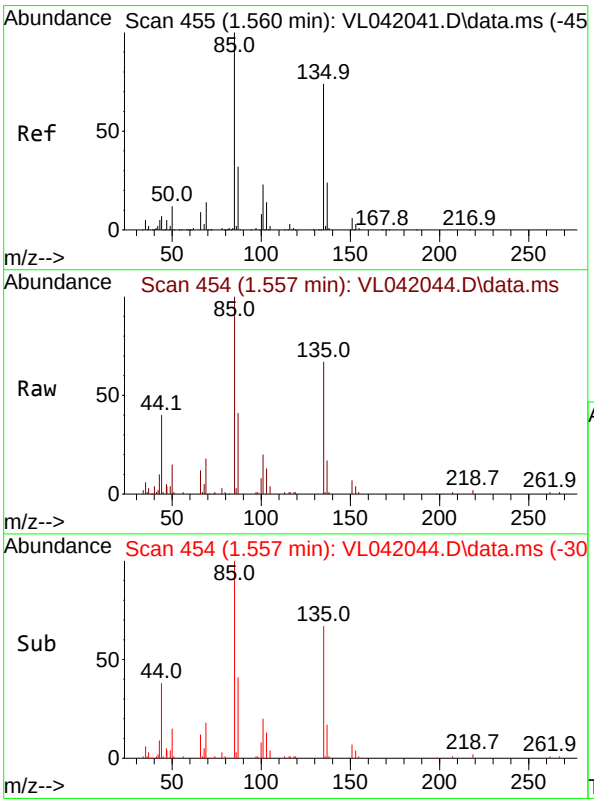
Ion	Ratio	Lower	Upper
64	100		
66	28.9	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

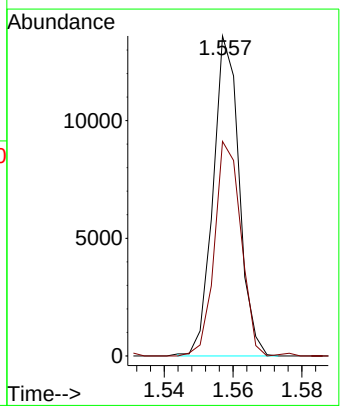
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

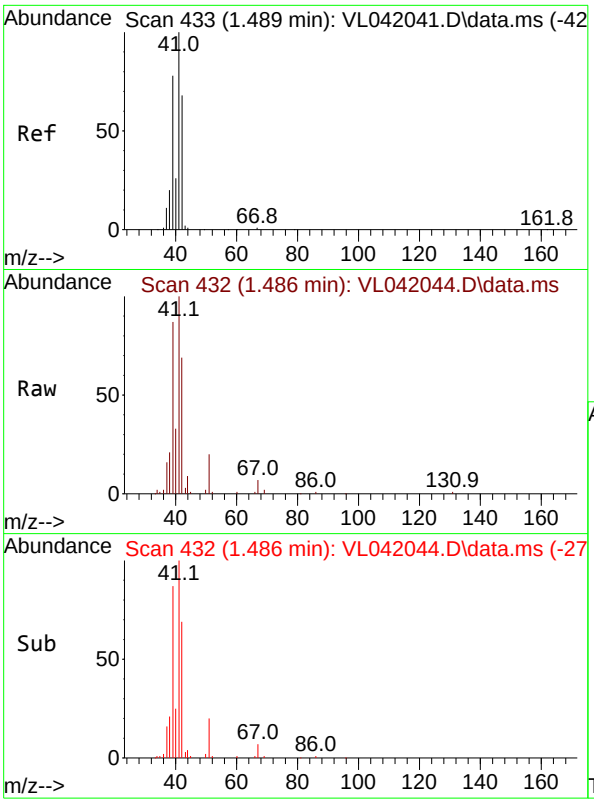


#8
Dichlorotetrafluoroethane
Concen: 0.295 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 85 Resp: 7123

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.6	81.8

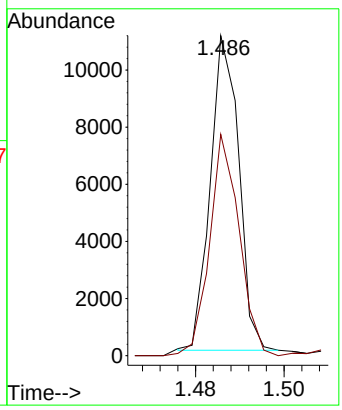




#9
Propene
Concen: 0.374 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 41 Resp: 490

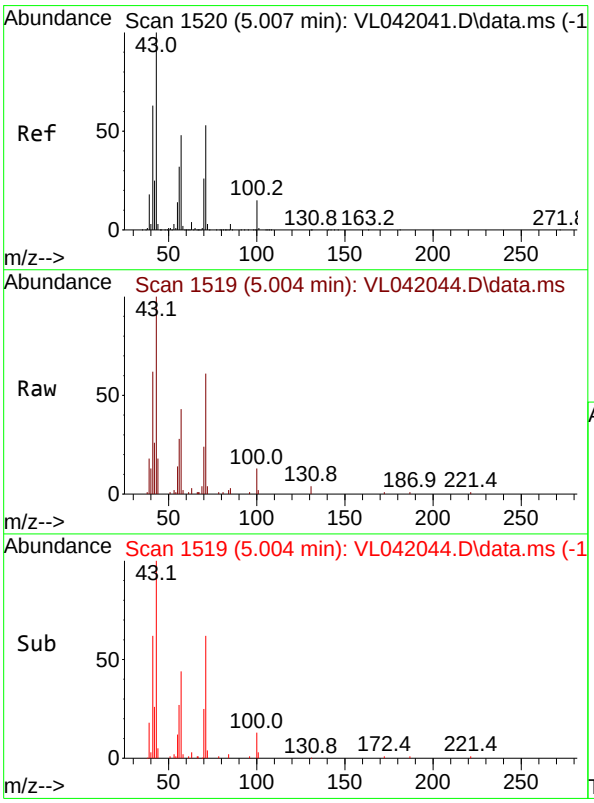
Ion	Ratio	Lower	Upper
41	100		
42	74.6	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

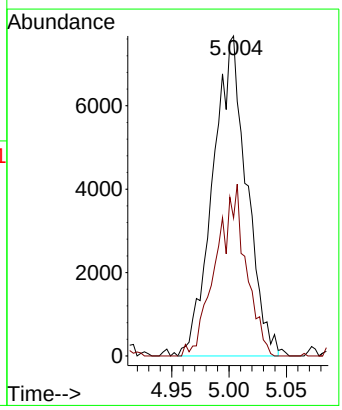
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

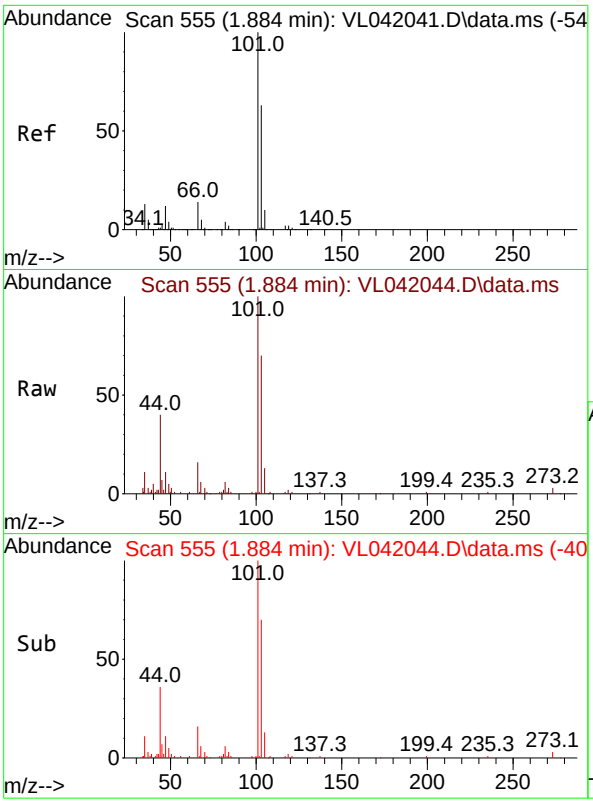


#10
Heptane
Concen: 0.432 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 15731

Ion	Ratio	Lower	Upper
43	100		
57	47.7	39.4	59.0

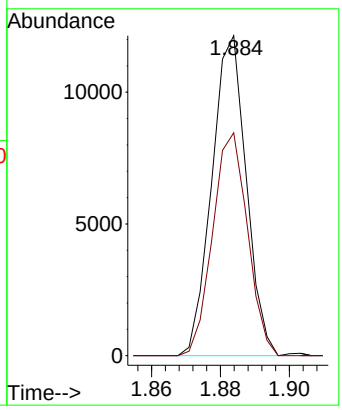




#11
Trichlorofluoromethane
Concen: 0.305 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:101 Resp: 842

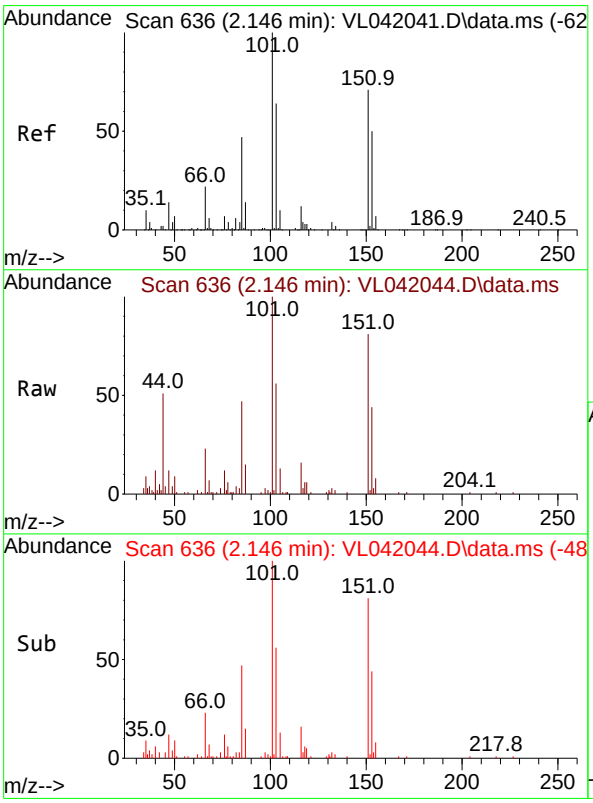
Ion	Ratio	Lower	Upper
101	100		
103	69.6	50.6	75.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

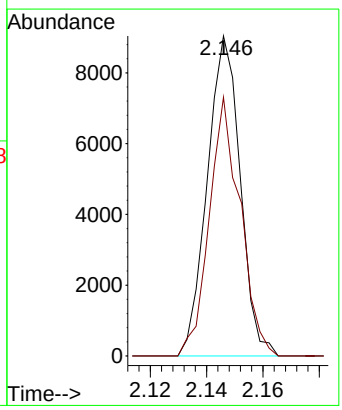
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

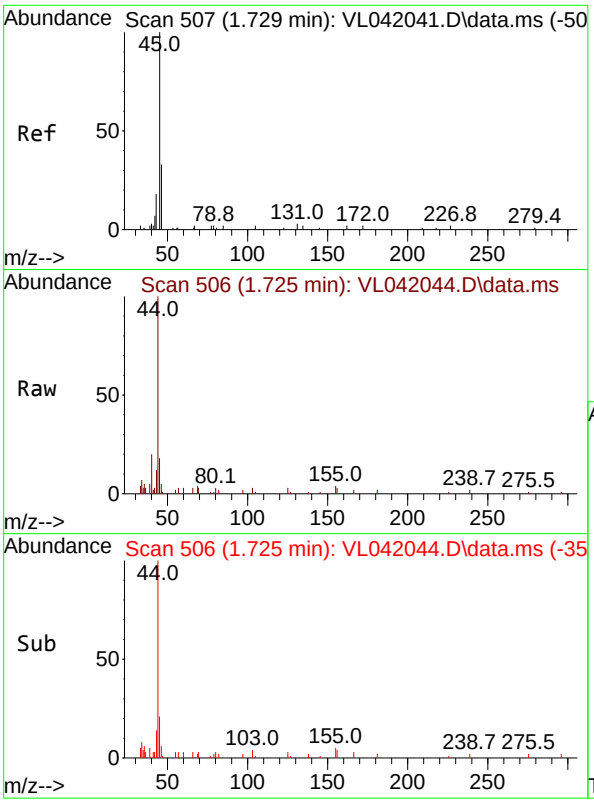


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.340 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:101 Resp: 7336

Ion	Ratio	Lower	Upper
101	100		
151	76.2	62.6	94.0

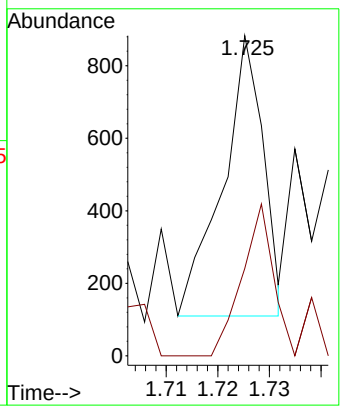




#13
Ethanol
Concen: 0.288 ppbv
RT: 1.725 min Scan# 5(
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 45 Resp: 42(

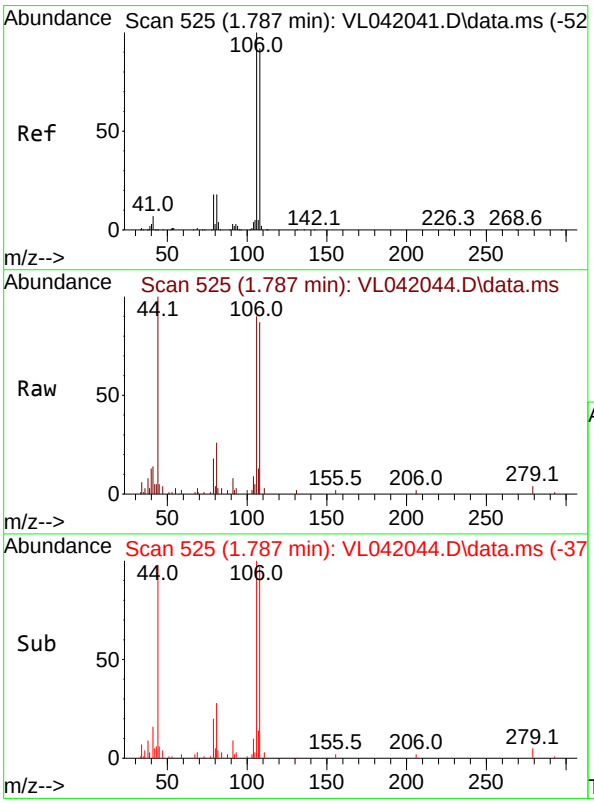
Ion	Ratio	Lower	Upper
45	100		
46	58.9	17.1	68.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

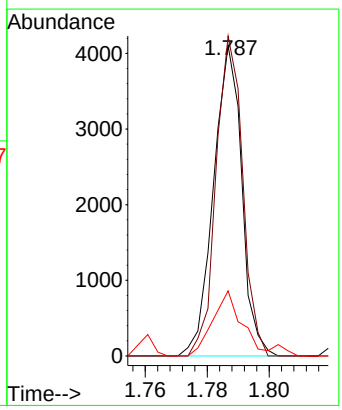
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

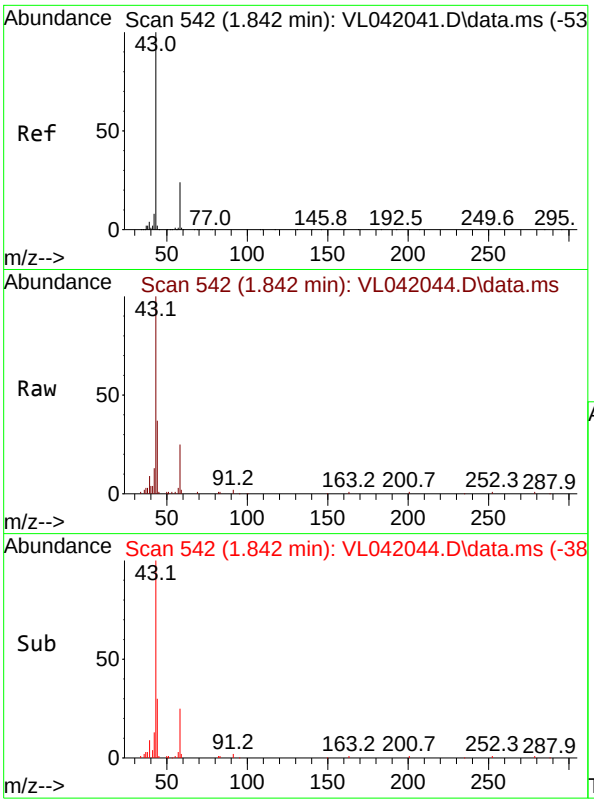


#14
Bromoethene
Concen: 0.323 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:108 Resp: 2598

Ion	Ratio	Lower	Upper
108	100		
106	96.8	85.4	128.0
79	27.9	16.5	24.7#

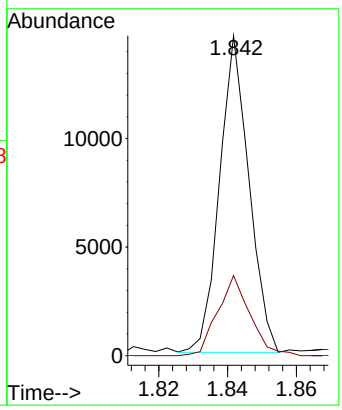




#15
Acetone
Concen: 0.328 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 865

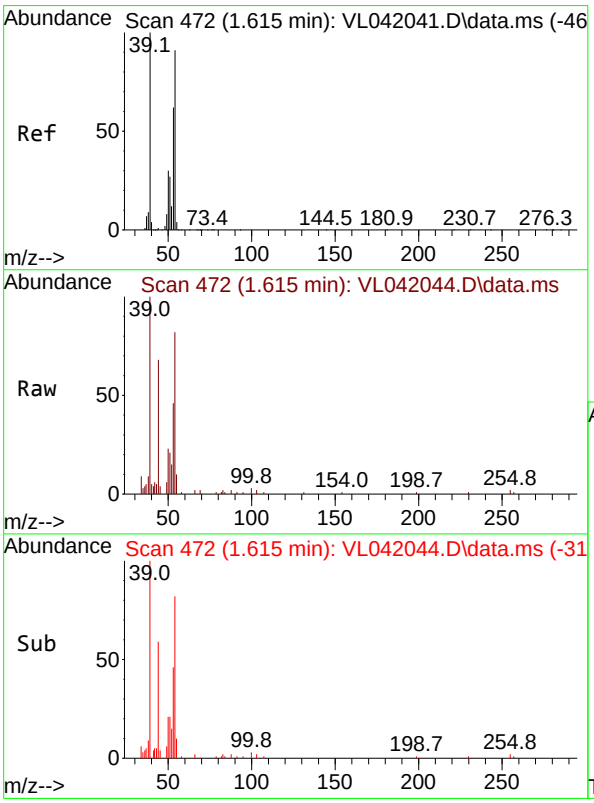
Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

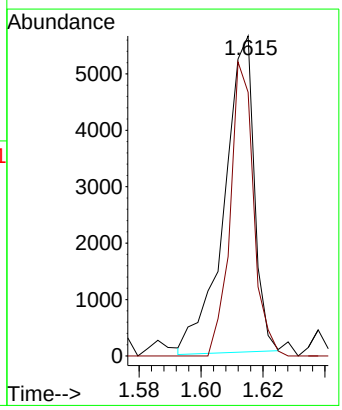
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

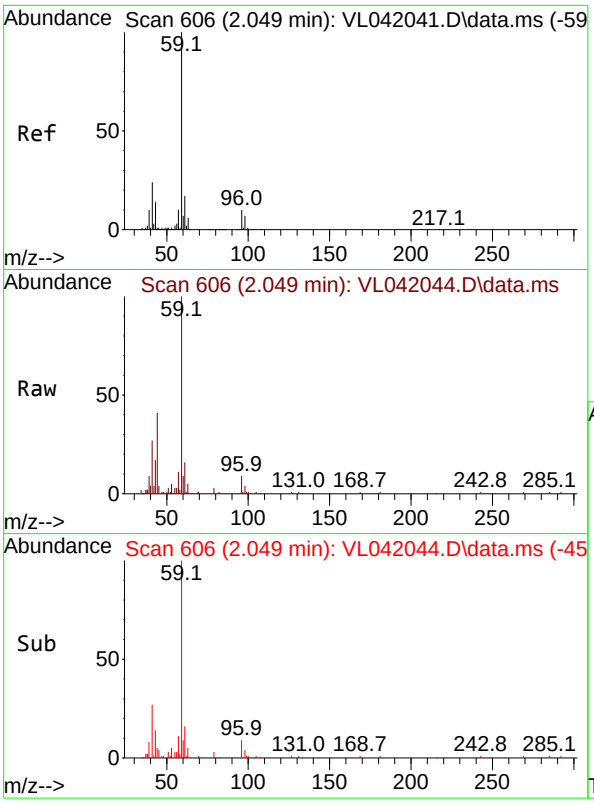


#16
1,3-Butadiene
Concen: 0.304 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 39 Resp: 3803

Ion	Ratio	Lower	Upper
39	100		
54	71.9	59.6	89.4





#17
tert-Butyl alcohol
Concen: 0.290 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

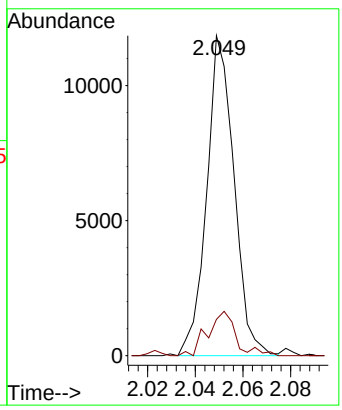
Tgt Ion: 59 Resp: 944

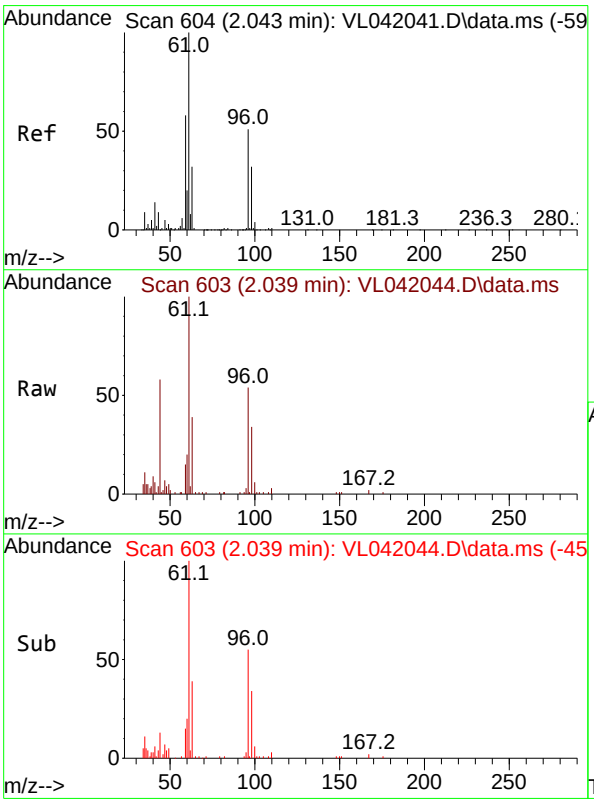
Ion	Ratio	Lower	Upper
59	100		
57	15.3	9.3	13.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

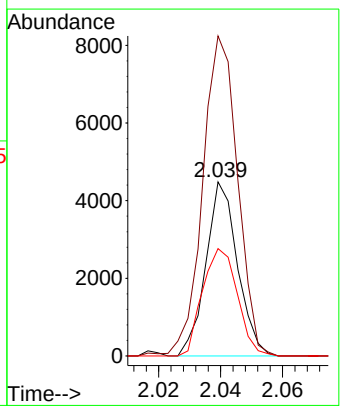


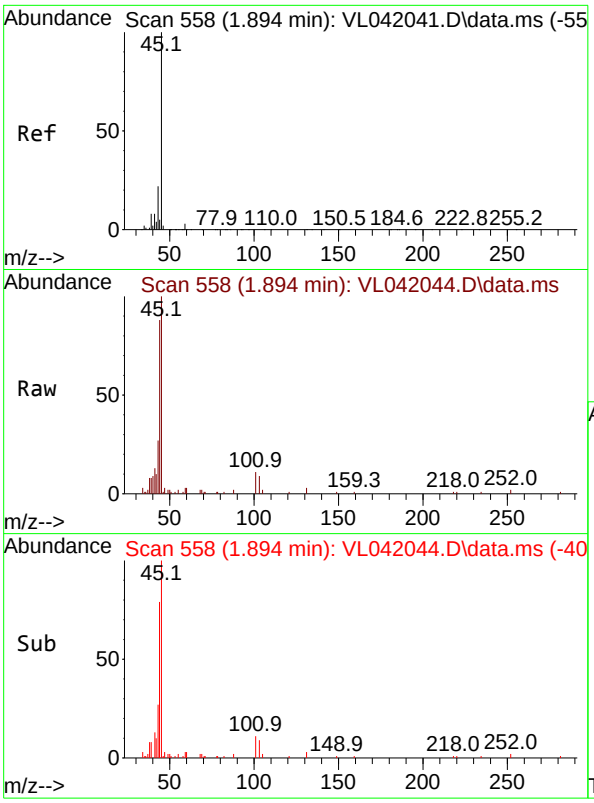


#18
1,1-Dichloroethene
Concen: 0.308 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 96 Resp: 3173

Ion	Ratio	Lower	Upper
96	100		
61	183.8	156.0	234.0
98	61.6	49.4	74.2





#19
Isopropyl Alcohol
Concen: 0.303 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

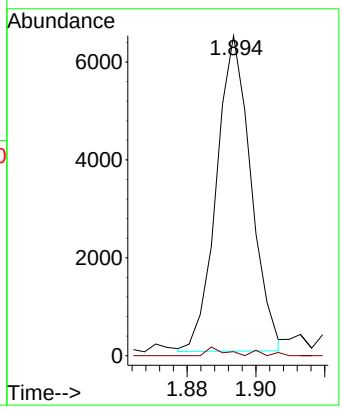
Tgt Ion: 45 Resp: 448

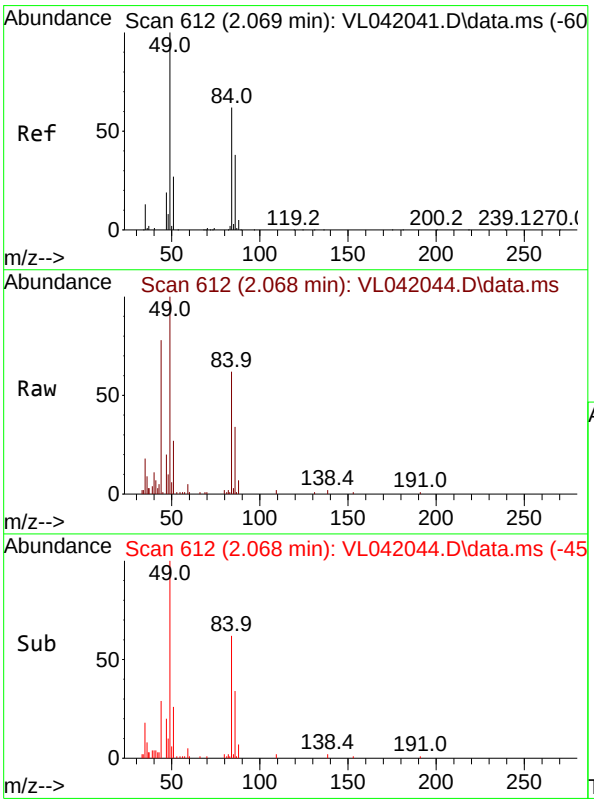
Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

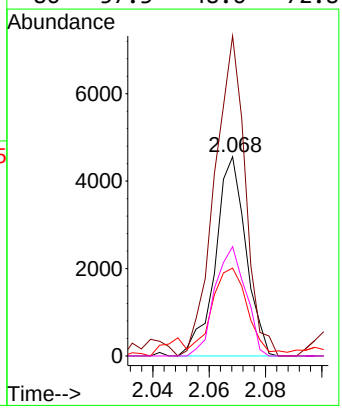


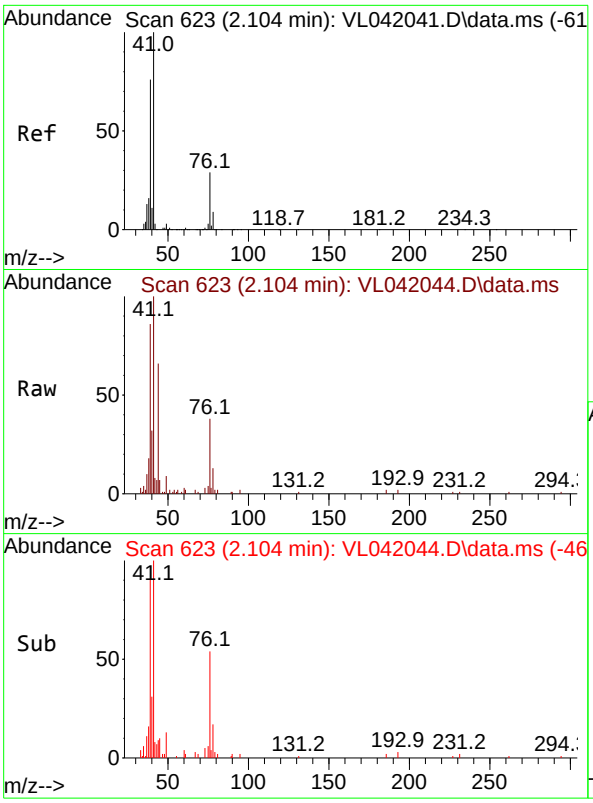


#20
Methylene Chloride
Concen: 0.345 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 84 Resp: 3423

Ion	Ratio	Lower	Upper
84	100		
49	160.7	130.0	195.0
51	41.5	37.4	56.0
86	57.3	48.6	72.8

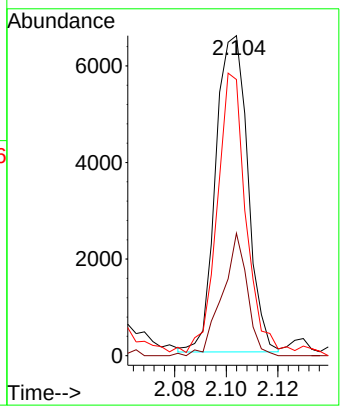




#21
Allyl Chloride
Concen: 0.296 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 41 Resp: 564

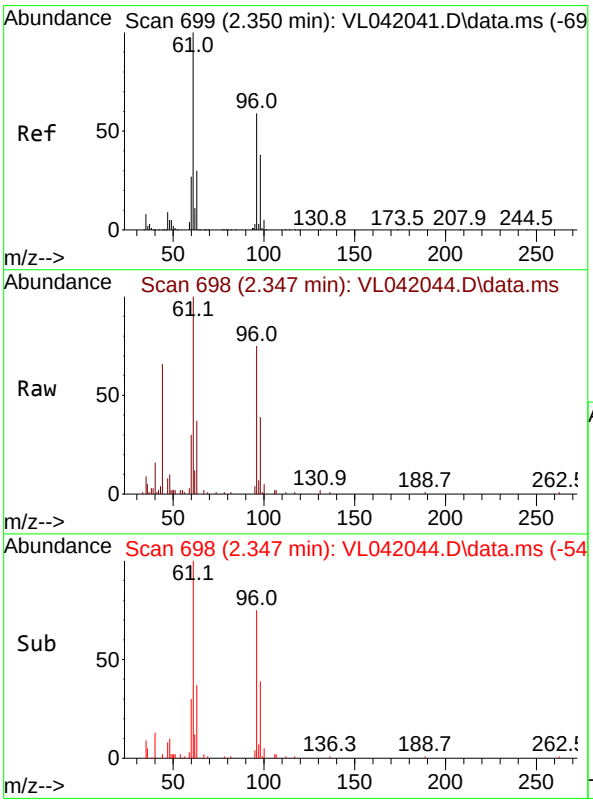
Ion	Ratio	Lower	Upper
41	100		
76	30.2	23.8	35.6
39	79.8	63.8	95.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

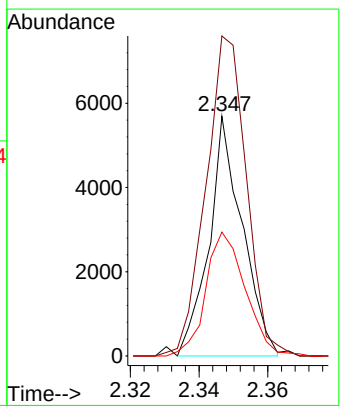
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

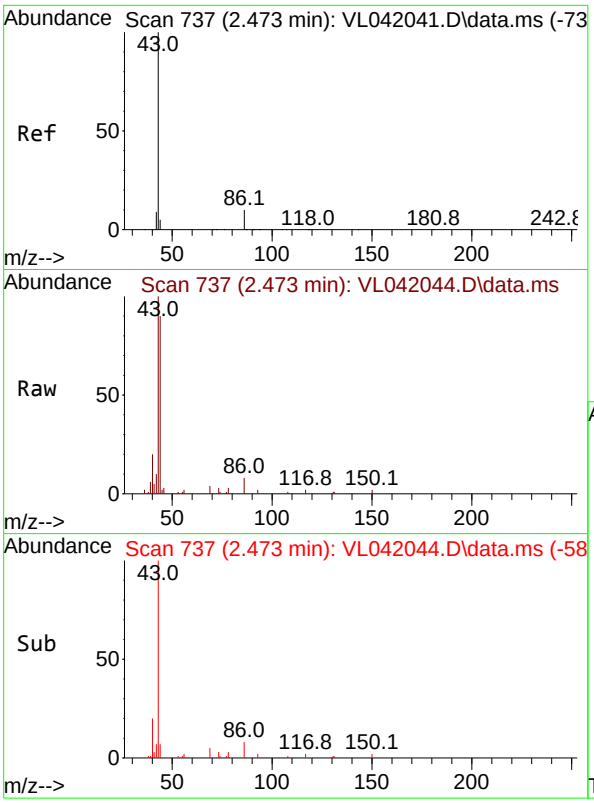


#22
trans-1,2-Dichloroethene
Concen: 0.343 ppbv m
RT: 2.347 min Scan# 698
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 96 Resp: 3838

Ion	Ratio	Lower	Upper
96	100		
61	133.5	136.6	205.0#
98	51.7	51.8	77.6#

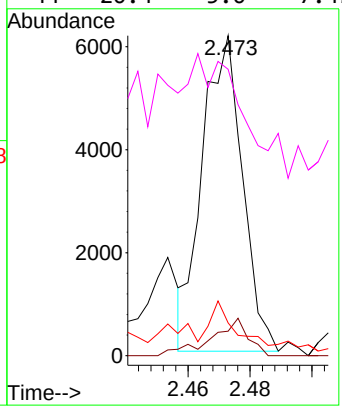




#23
Vinyl Acetate
Concen: 0.385 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 549

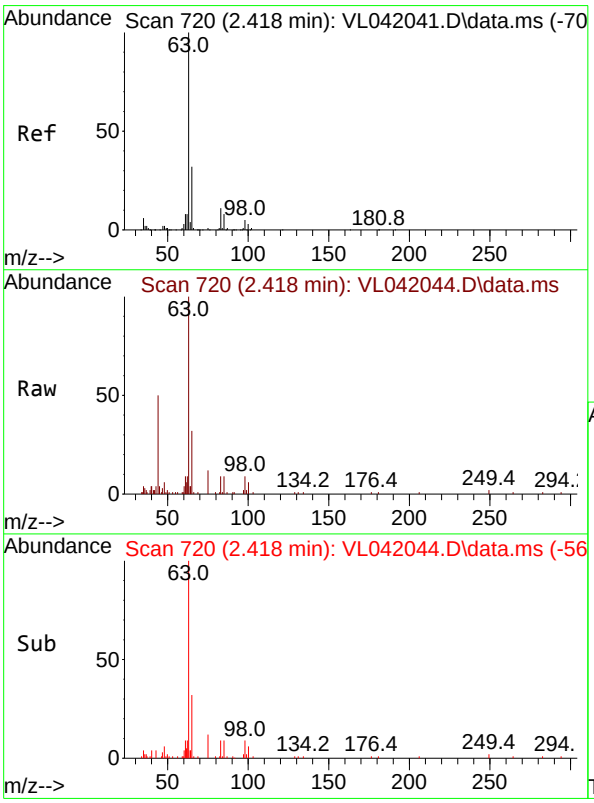
Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.0	10.4
42	6.8	7.6	11.4#
44	20.4	5.0	7.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

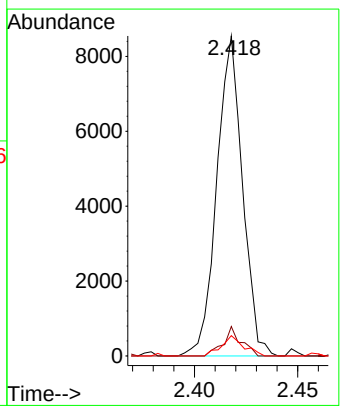
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

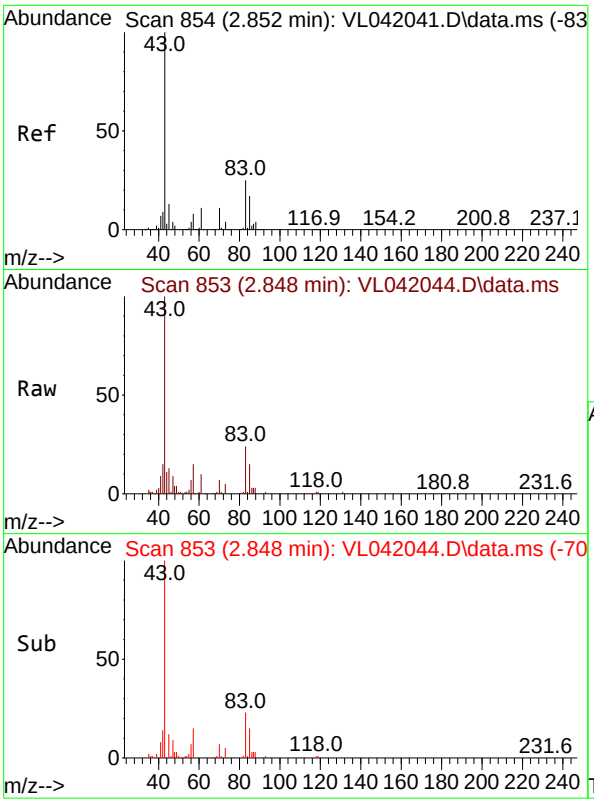


#24
1,1-Dichloroethane
Concen: 0.326 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 63 Resp: 7396

Ion	Ratio	Lower	Upper
63	100		
98	9.2	2.4	7.2#
100	6.4	1.7	5.0#

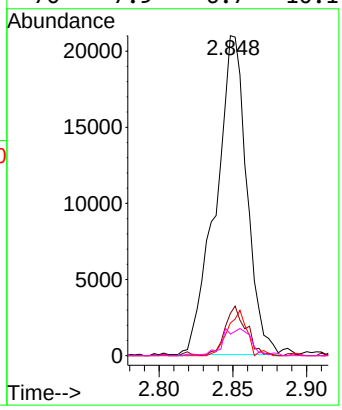




#25
Ethyl Acetate
Concen: 0.423 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 3059

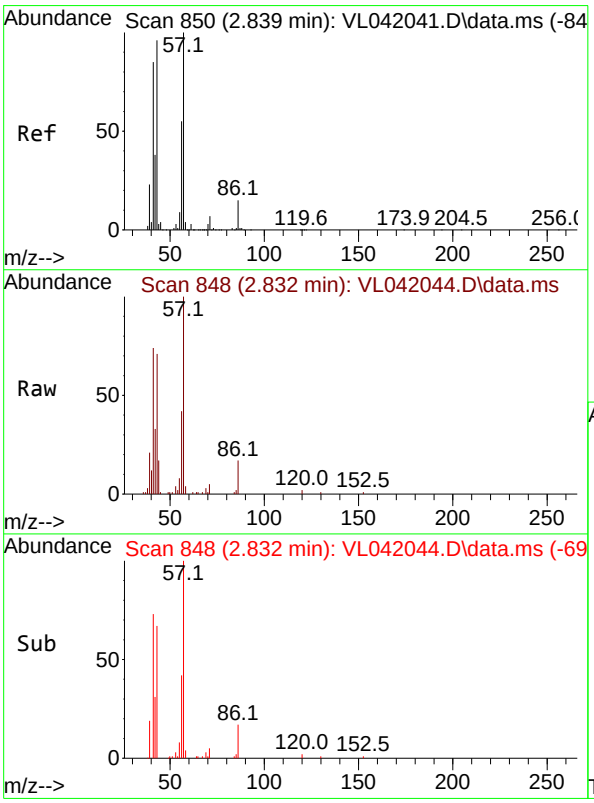
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.1	12.1
61	9.2	7.2	10.8
70	7.9	6.7	10.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

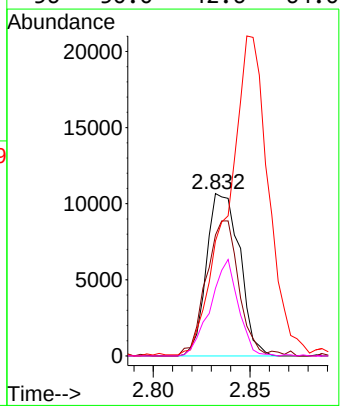
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

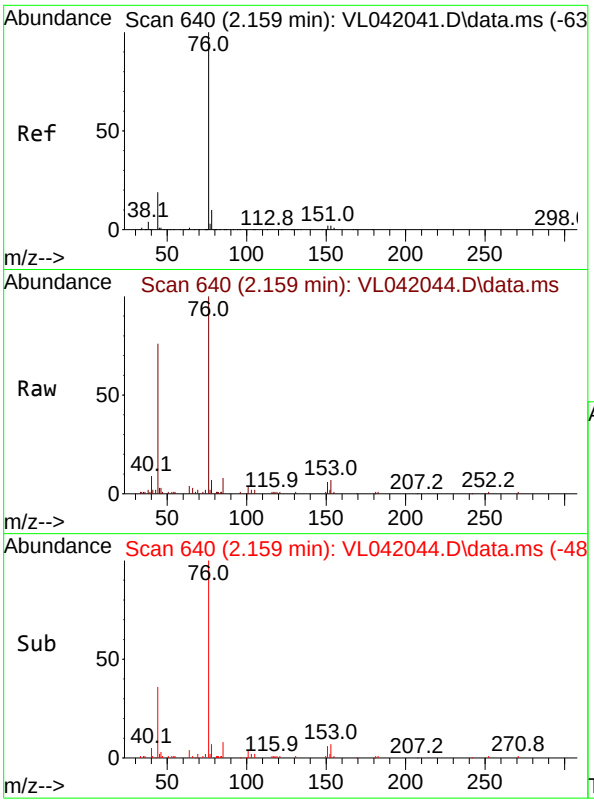


#26
Hexane
Concen: 0.439 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 12739

Ion	Ratio	Lower	Upper
57	100		
41	83.6	70.6	106.0
43	250.3	199.4	299.0
56	50.0	42.6	64.0





#27
Carbon Disulfide
Concen: 0.305 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

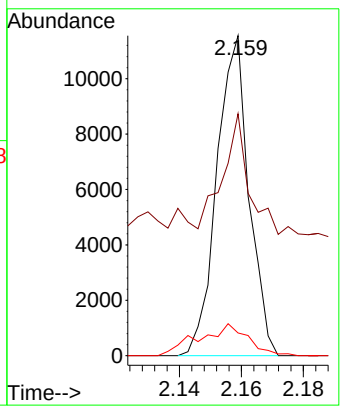
Tgt Ion: 76 Resp: 831

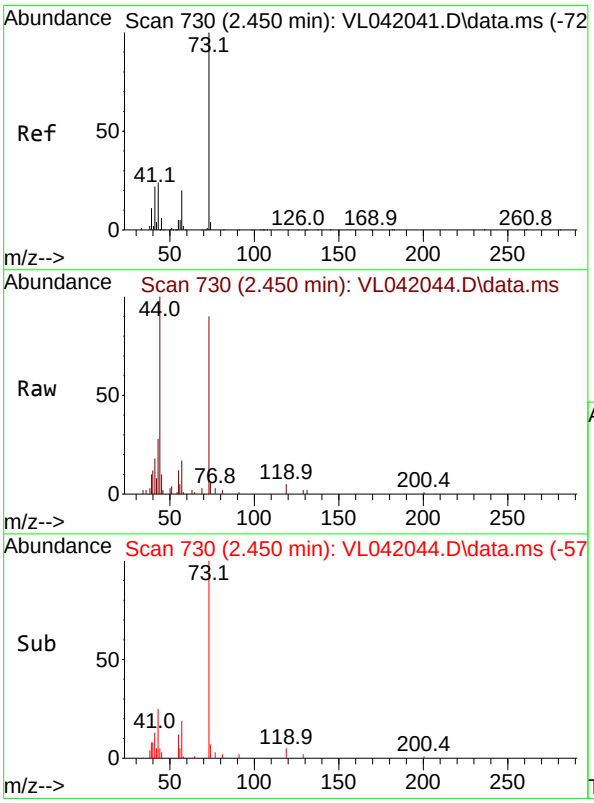
Ion	Ratio	Lower	Upper
76	100		
44	79.6	16.2	24.2#
78	15.2	9.4	14.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

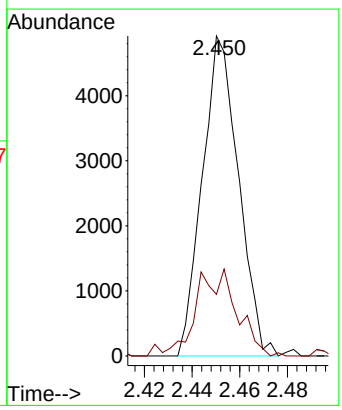


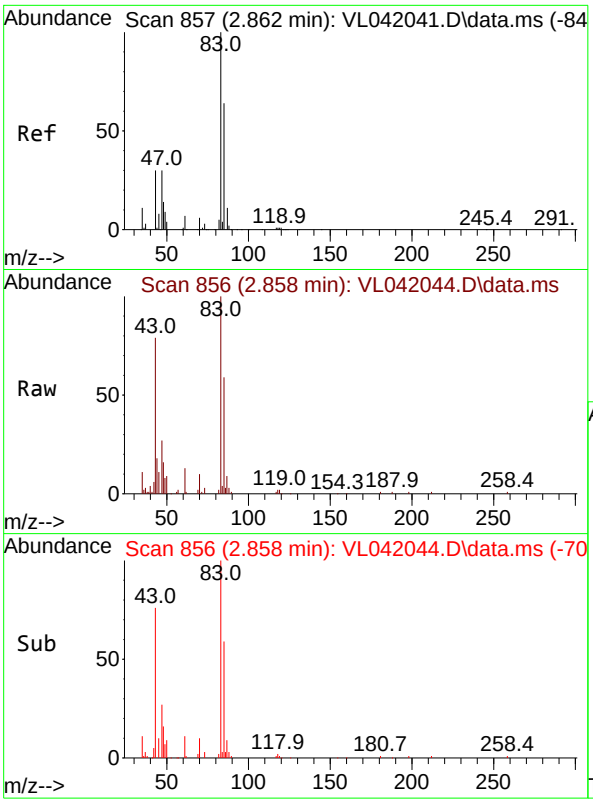


#28
Methyl tert-Butyl Ether
Concen: 0.292 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 73 Resp: 5185

Ion	Ratio	Lower	Upper
73	100		
57	31.8	17.7	26.5#

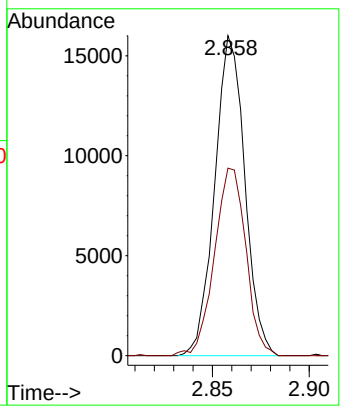




#29
Chloroform
Concen: 0.411 ppbv
RT: 2.858 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 1727

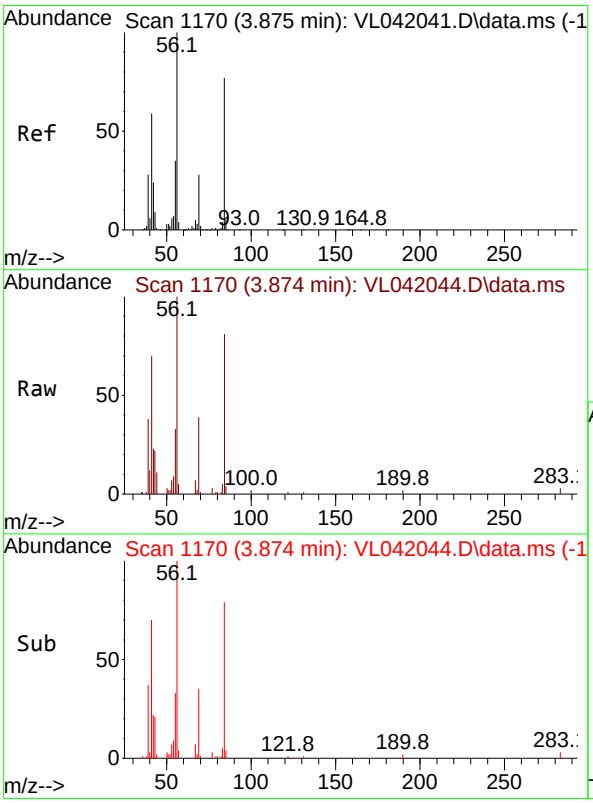
Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

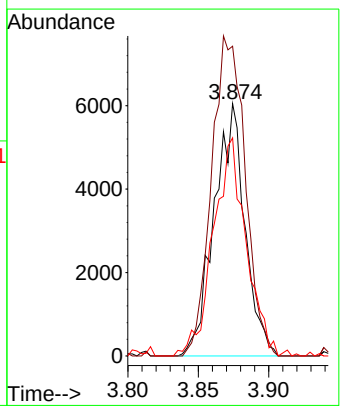
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

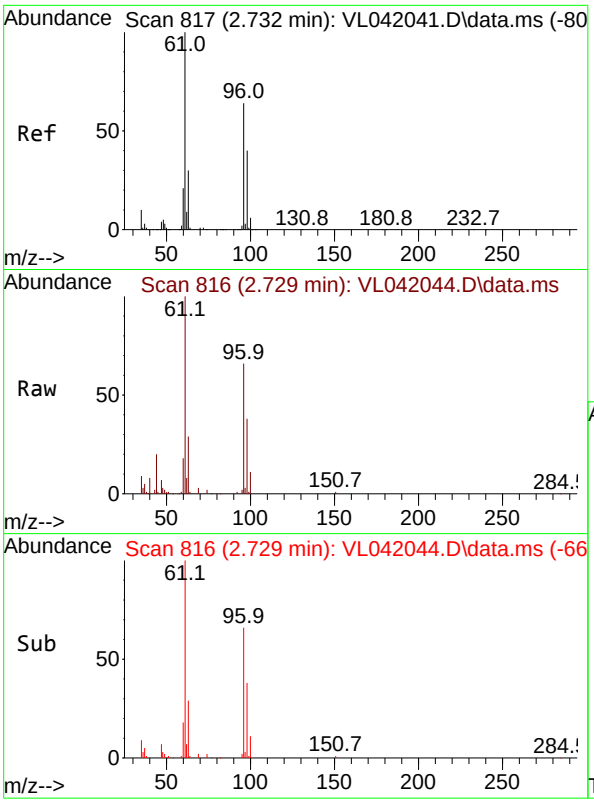


#30
Cyclohexane
Concen: 0.391 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 84 Resp: 9209

Ion	Ratio	Lower	Upper
84	100		
56	138.5	101.5	152.3
41	92.4	62.6	93.8

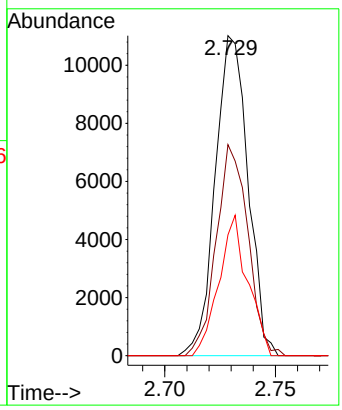




#31
cis-1,2-Dichloroethene
Concen: 0.395 ppbv
RT: 2.729 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 61 Resp: 1134

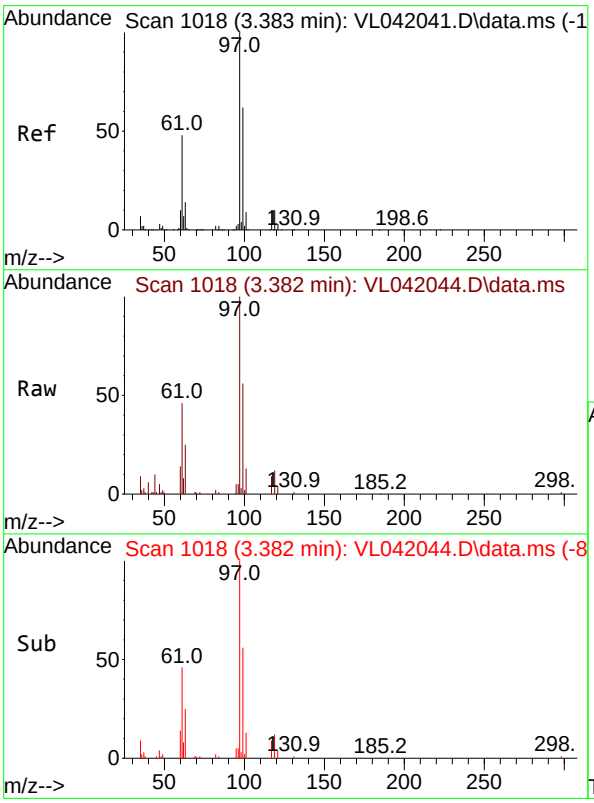
Ion	Ratio	Lower	Upper
61	100		
96	66.0	51.5	77.3
98	37.7	32.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

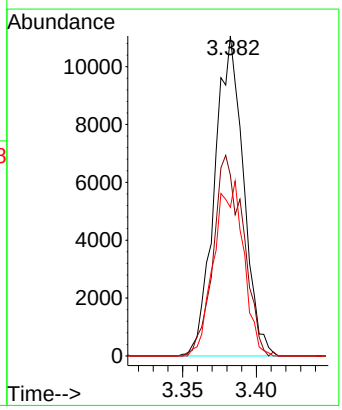
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

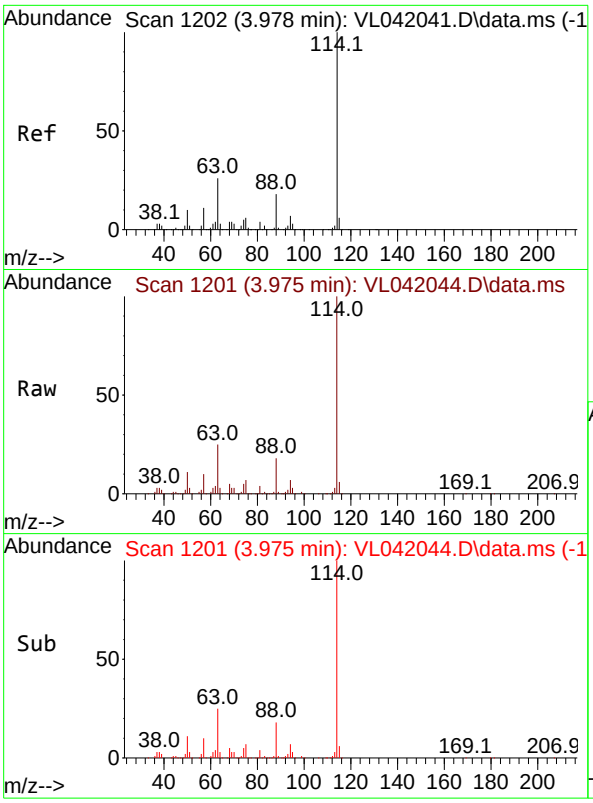


#32
1,1,1-Trichloroethane
Concen: 0.322 ppbv
RT: 3.382 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 97 Resp: 15027

Ion	Ratio	Lower	Upper
97	100		
99	65.0	49.8	74.6
61	55.9	38.9	58.3

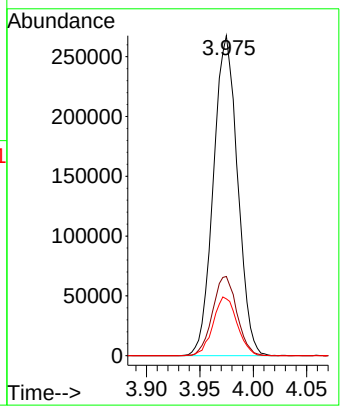




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:114 Resp: 42134

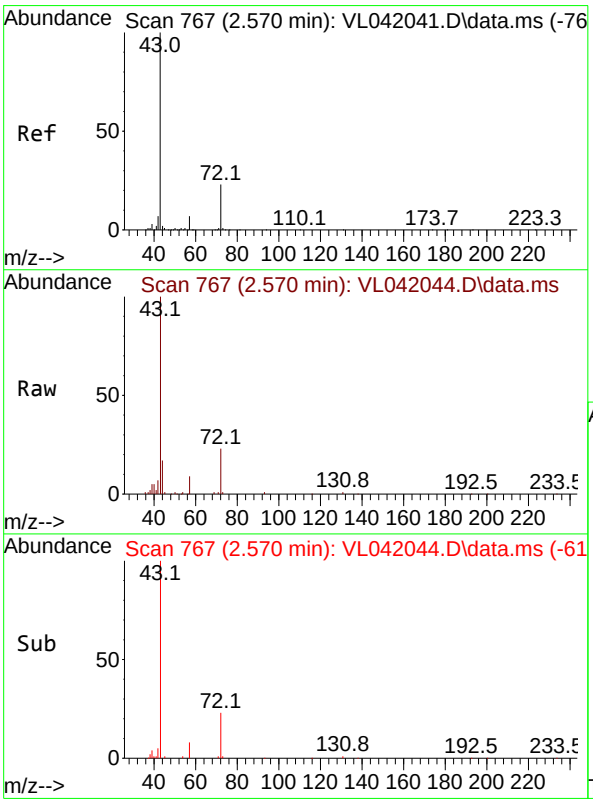
Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	18.3	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

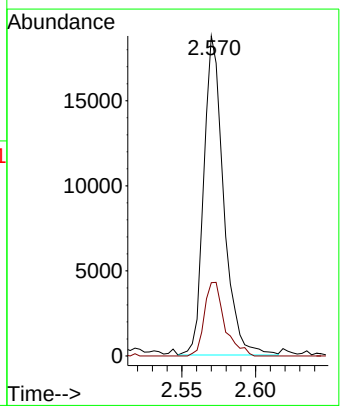
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

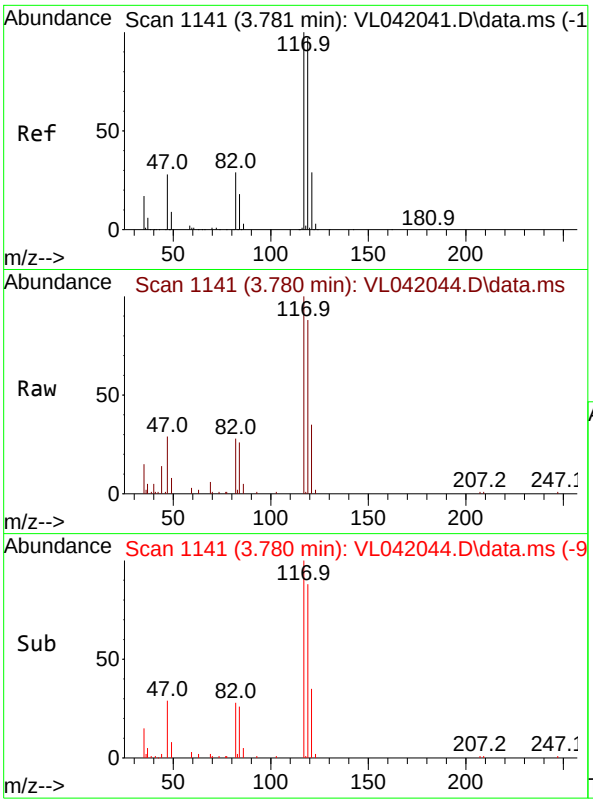


#34
2-Butanone
Concen: 0.484 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 17555

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.5	27.7

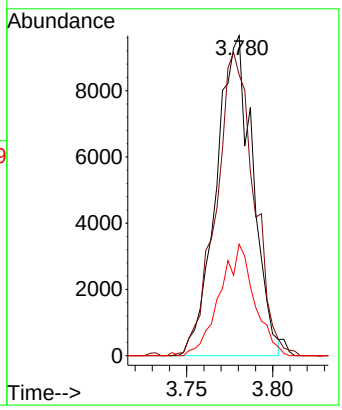




#35
Carbon Tetrachloride
Concen: 0.348 ppbv
RT: 3.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:117 Resp: 1422

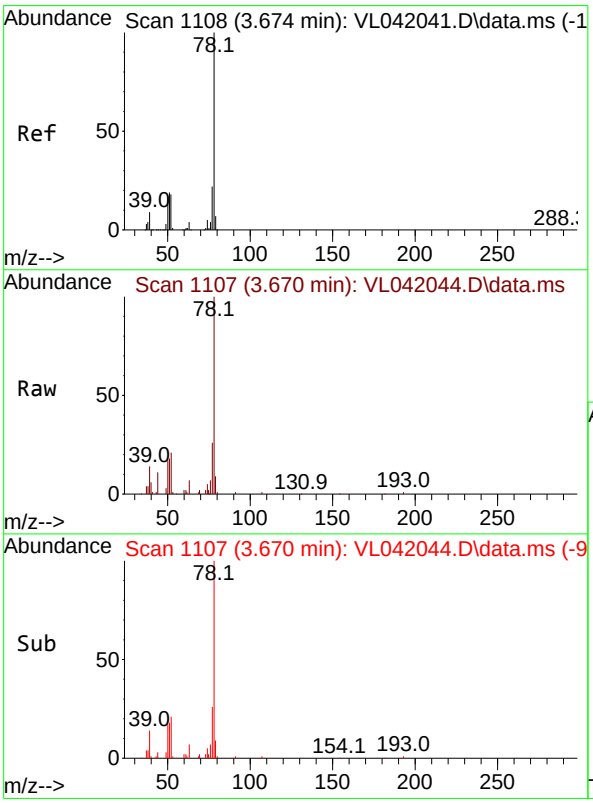
Ion	Ratio	Lower	Upper
117	100		
119	87.0	77.8	116.8
121	34.8	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

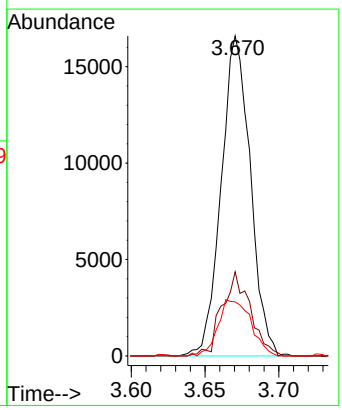
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

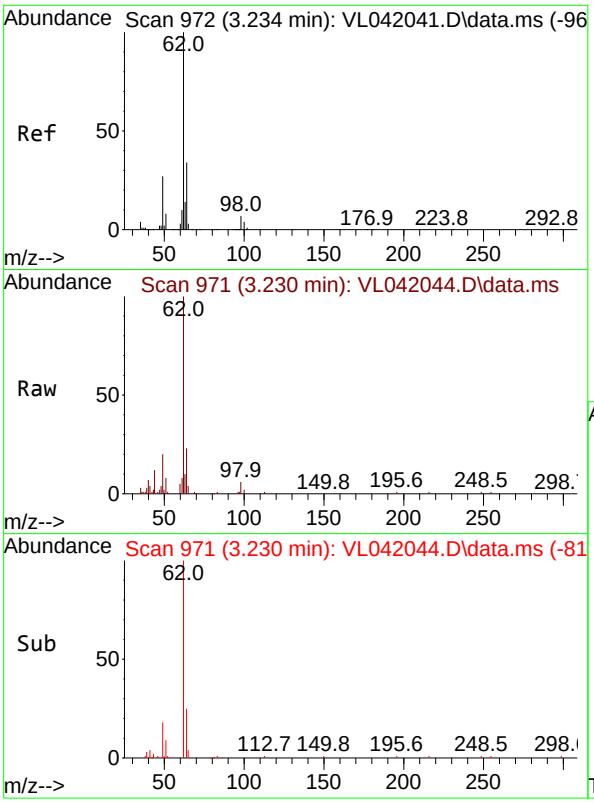


#36
Benzene
Concen: 0.445 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 78 Resp: 22728

Ion	Ratio	Lower	Upper
78	100		
77	26.3	17.7	26.5
50	16.9	13.9	20.9

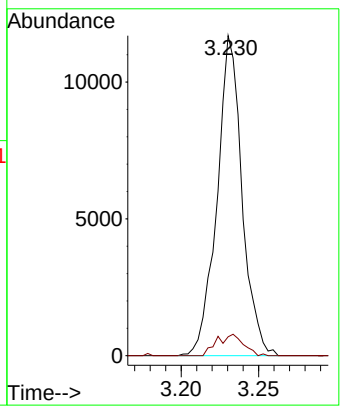




#37
1,2-Dichloroethane
Concen: 0.452 ppbv
RT: 3.230 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 62 Resp: 1314

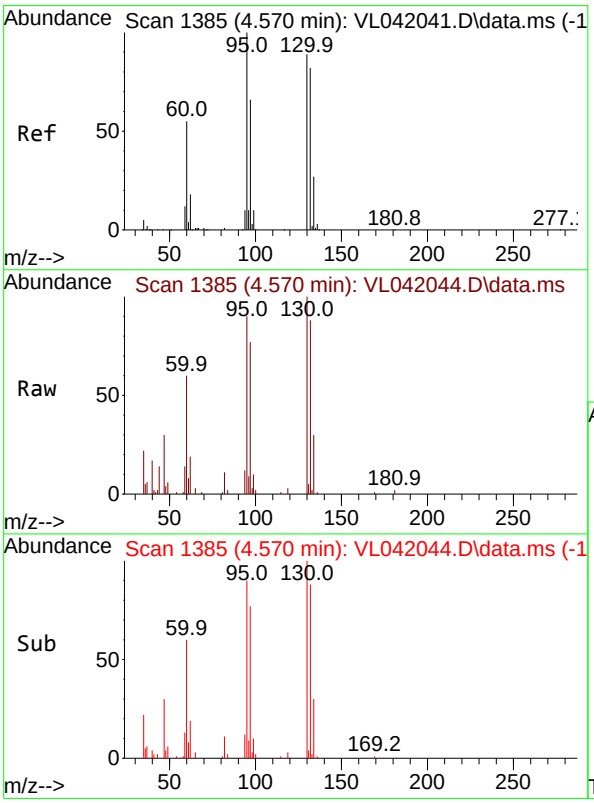
Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

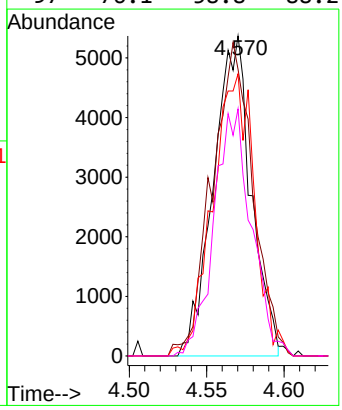
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

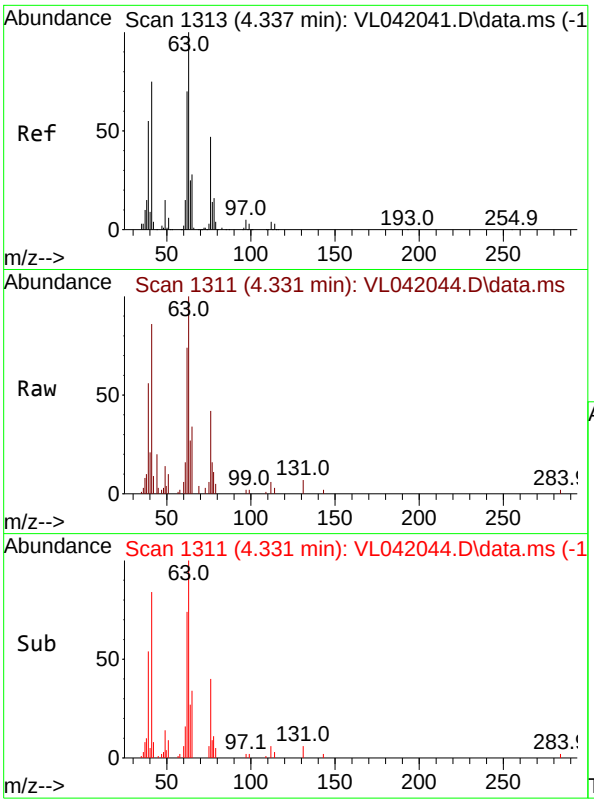


#38
Trichloroethene
Concen: 0.440 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:130 Resp: 9115

Ion	Ratio	Lower	Upper
130	100		
95	86.1	89.5	134.3#
132	85.3	73.8	110.6
97	76.1	58.8	88.2

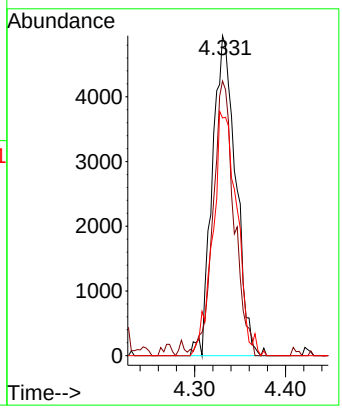




#39
1,2-Dichloropropane
Concen: 0.474 ppbv m
RT: 4.331 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 63 Resp: 887

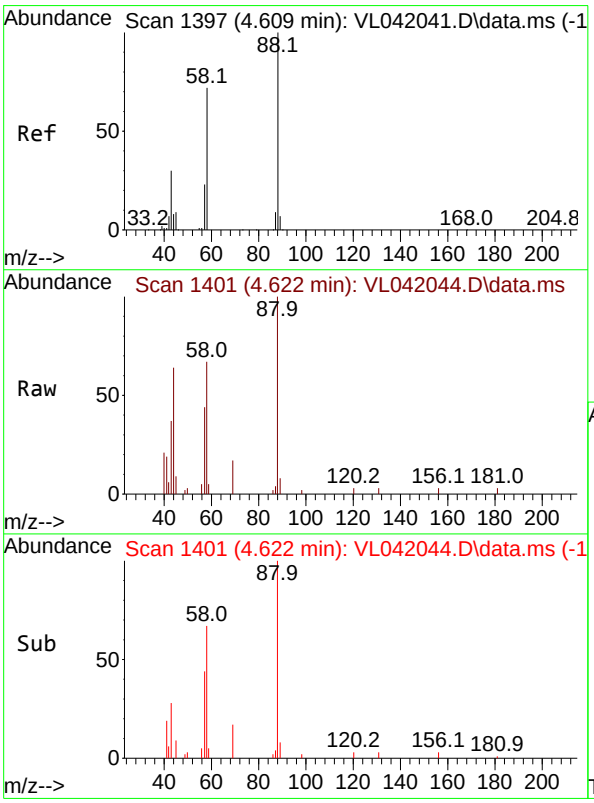
Ion	Ratio	Lower	Upper
63	100		
41	85.9	60.1	90.1
62	74.3	55.8	83.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

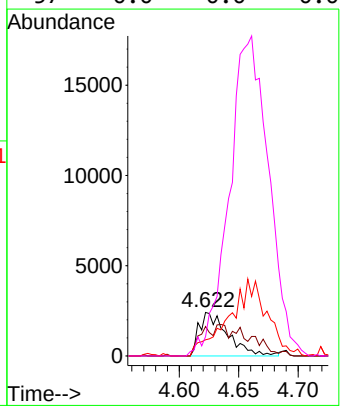
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

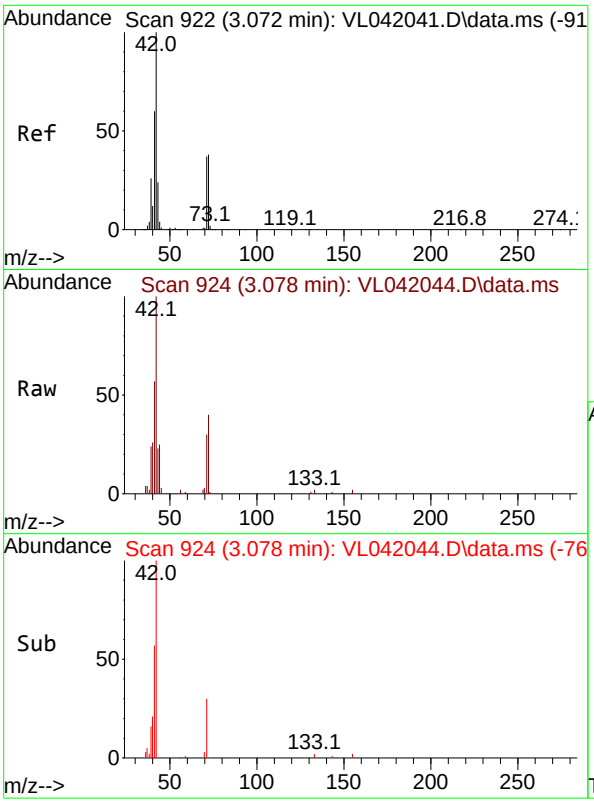


#40
1,4-Dioxane
Concen: 0.416 ppbv m
RT: 4.622 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 88 Resp: 4046

Ion	Ratio	Lower	Upper
88	100		
58	117.8	62.6	94.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

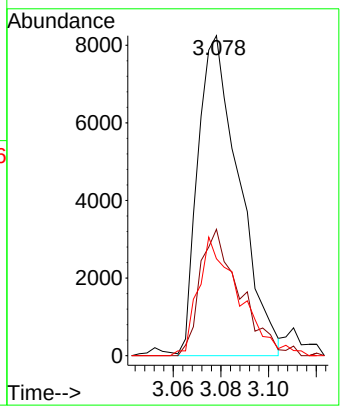




#41
Tetrahydrofuran
Concen: 0.477 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 42 Resp: 988

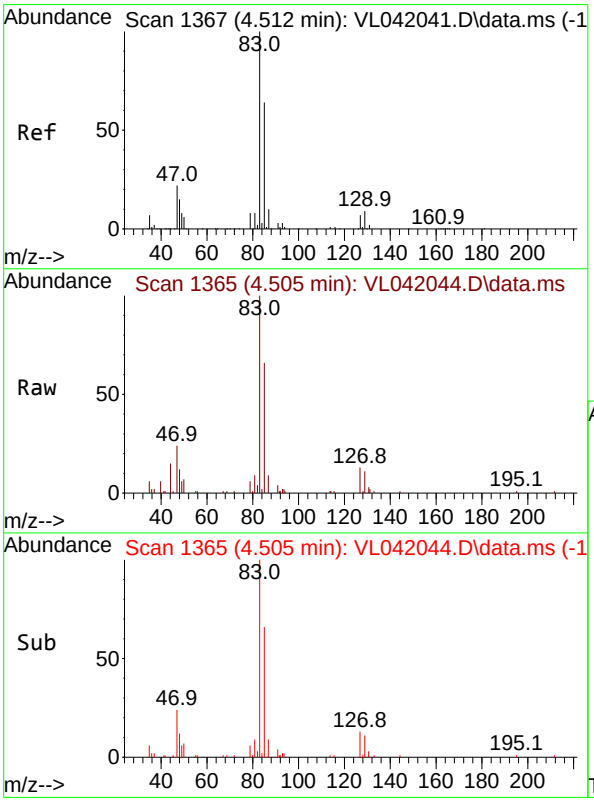
Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.2	45.2
71	37.0	28.2	42.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

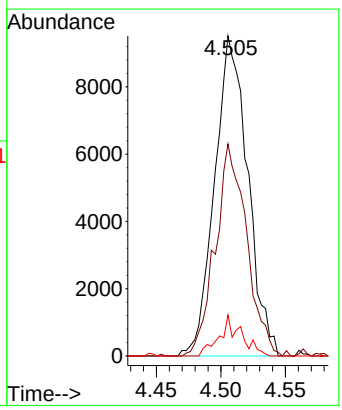
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

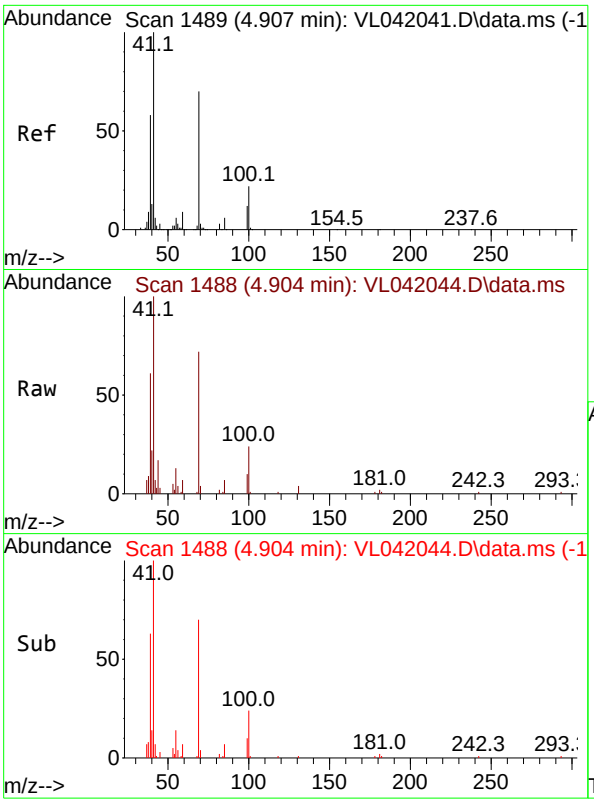


#42
Bromodichloromethane
Concen: 0.431 ppbv
RT: 4.505 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 16973

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.2
127	12.8	5.8	8.6#

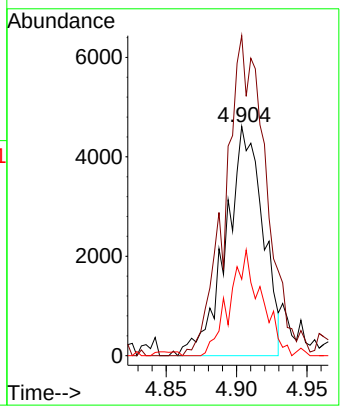




#43
Methyl Methacrylate
Concen: 0.362 ppbv
RT: 4.904 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 69 Resp: 842

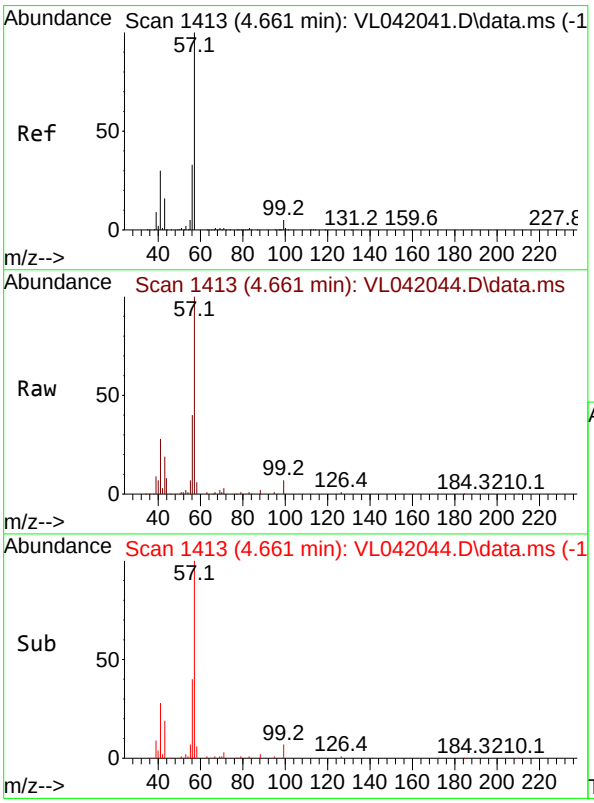
Ion	Ratio	Lower	Upper
69	100		
41	154.6	118.2	177.4
100	40.2	27.0	40.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

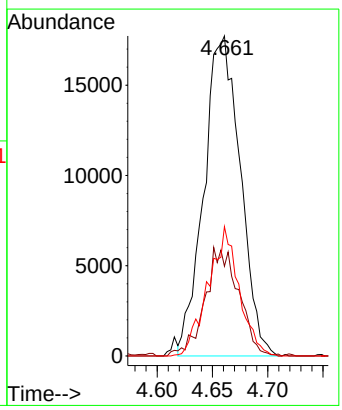
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

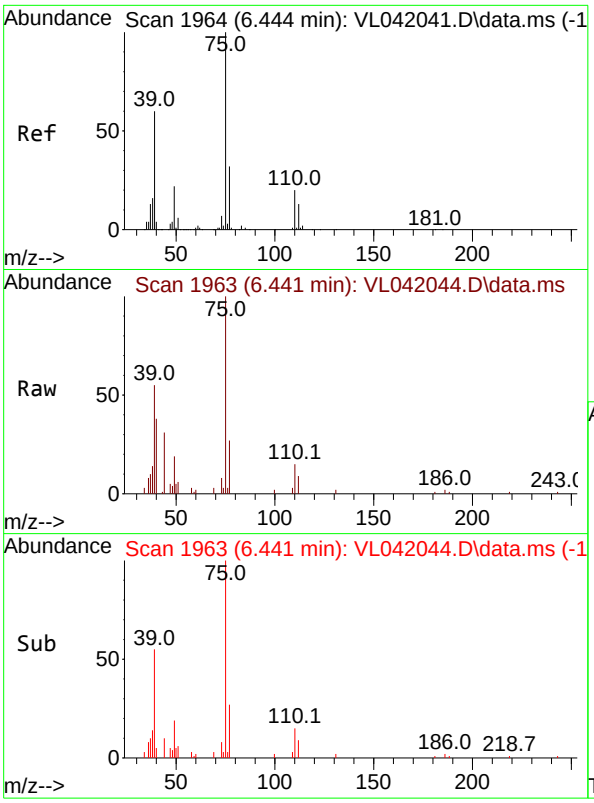


#44
2,2,4-Trimethylpentane
Concen: 0.469 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 40623

Ion	Ratio	Lower	Upper
57	100		
41	32.0	24.4	36.6
56	34.1	26.5	39.7

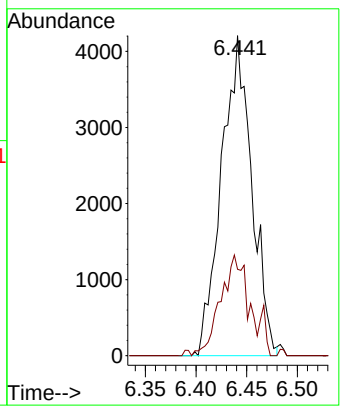




#45
t-1,3-Dichloropropene
Concen: 0.397 ppbv m
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 75 Resp: 872

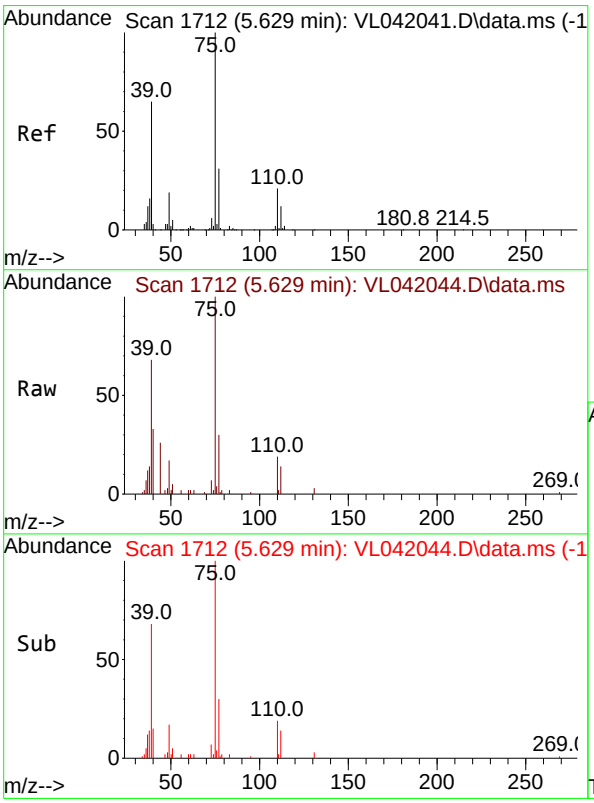
Ion	Ratio	Lower	Upper
75	100		
77	27.0	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

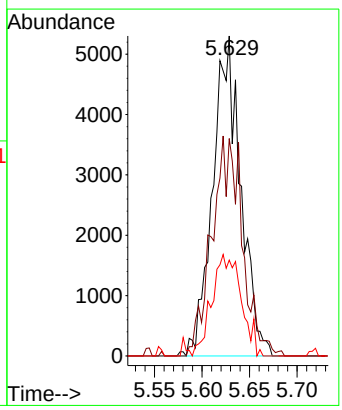
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

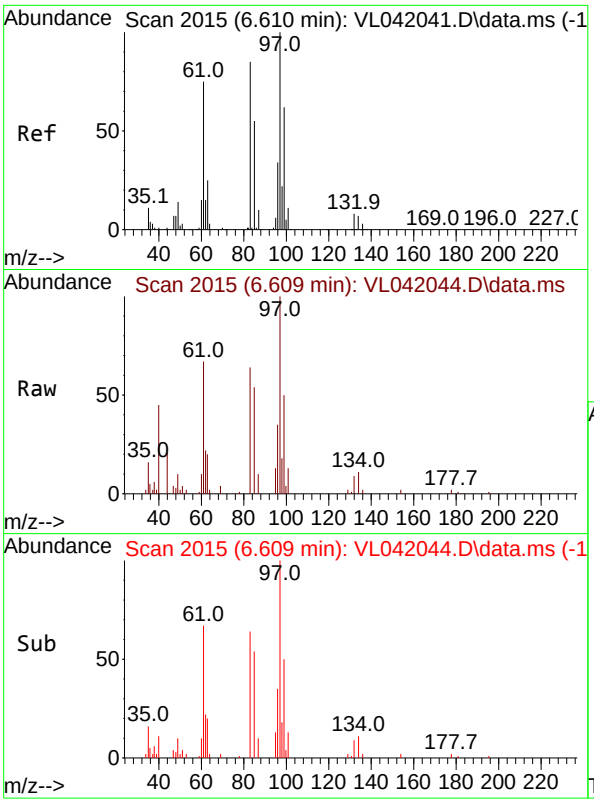


#46
cis-1,3-Dichloropropene
Concen: 0.389 ppbv m
RT: 5.629 min Scan# 1712
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 75 Resp: 10834

Ion	Ratio	Lower	Upper
75	100		
39	68.0	51.9	77.9
77	29.9	24.9	37.3

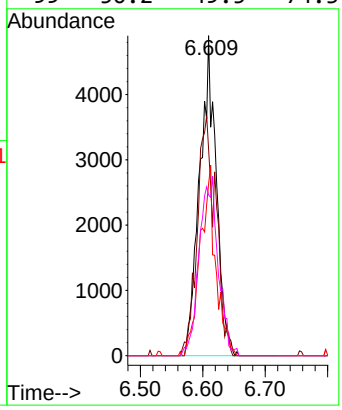




#47
1,1,2-Trichloroethane
Concen: 0.456 ppbv m
RT: 6.609 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 97 Resp: 898

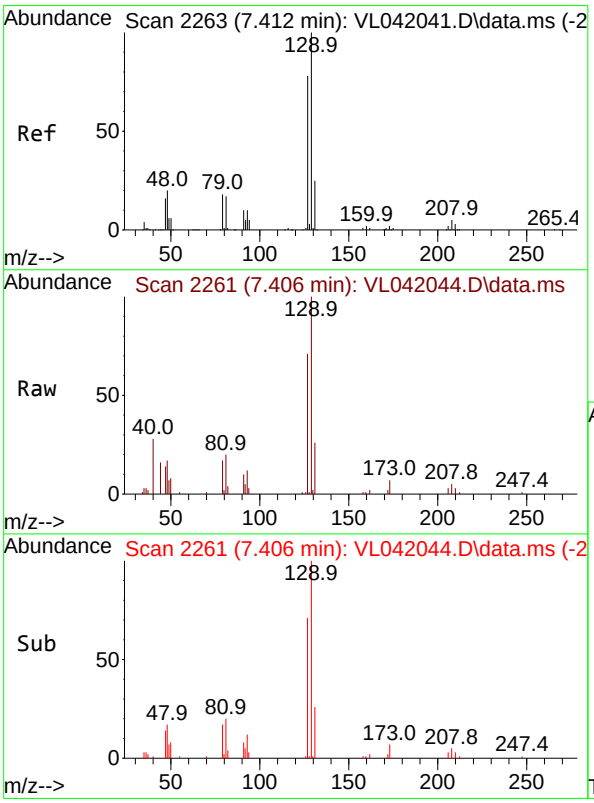
Ion	Ratio	Lower	Upper
97	100		
83	64.5	68.1	102.1#
85	53.7	44.0	66.0
99	50.2	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

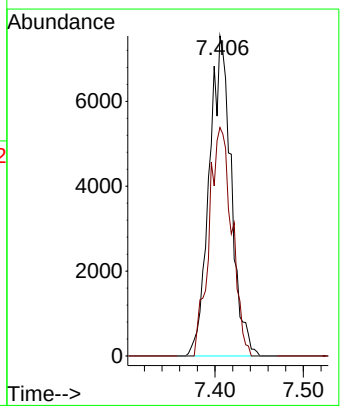
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

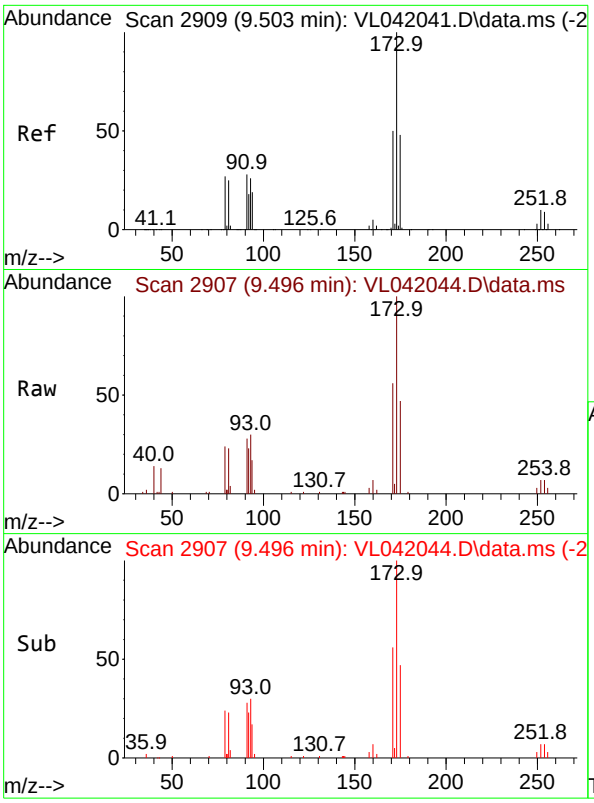


#48
Dibromochloromethane
Concen: 0.395 ppbv m
RT: 7.406 min Scan# 2261
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:129 Resp: 13014

Ion	Ratio	Lower	Upper
129	100		
127	74.1	38.6	115.8

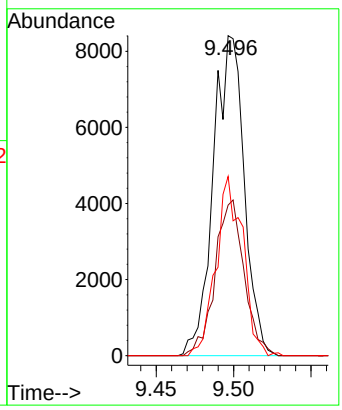




#49
Bromoform
Concen: 0.430 ppbv
RT: 9.496 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:173 Resp: 1164

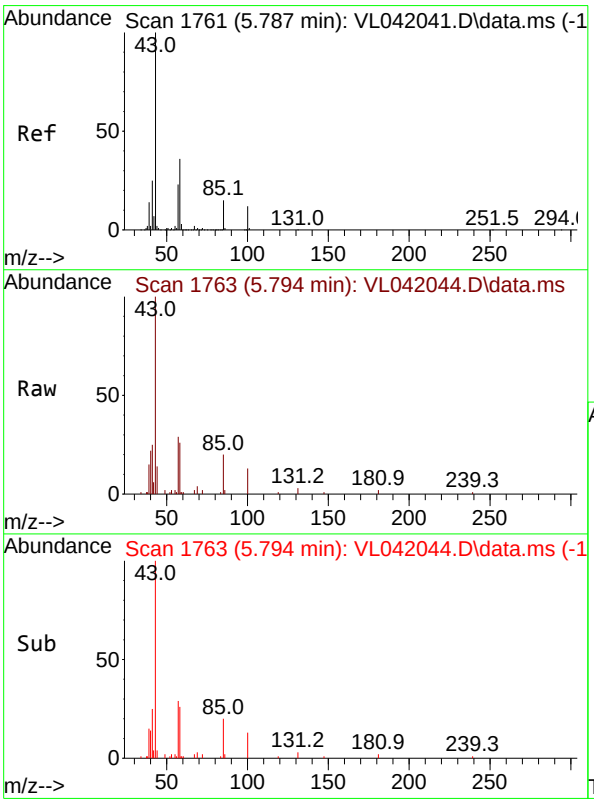
Ion	Ratio	Lower	Upper
173	100		
175	46.0	38.3	57.5
171	48.8	40.2	60.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

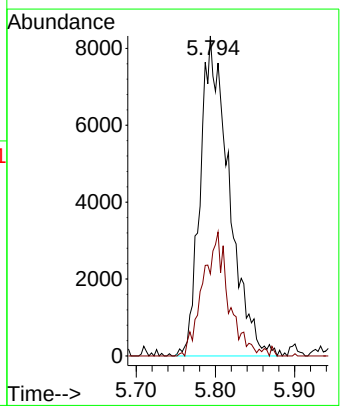
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

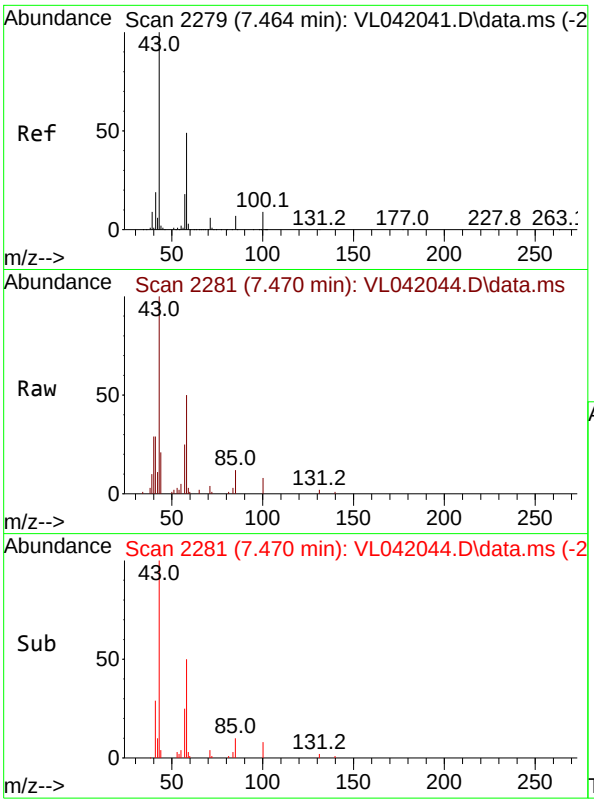


#50
4-Methyl-2-Pentanone
Concen: 0.377 ppbv m
RT: 5.794 min Scan# 1763
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 20992

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#

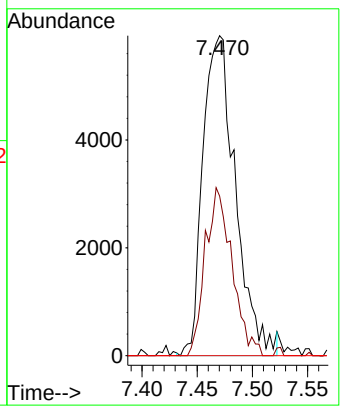




#51
2-Hexanone
Concen: 0.267 ppbv m
RT: 7.470 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 1214

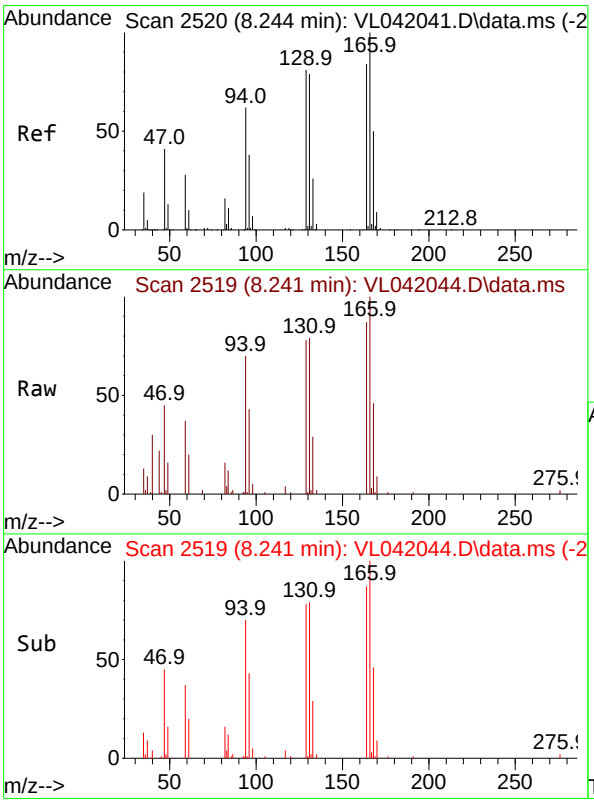
Ion	Ratio	Lower	Upper
43	100		
58	43.7	39.0	58.6
98	0.0	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

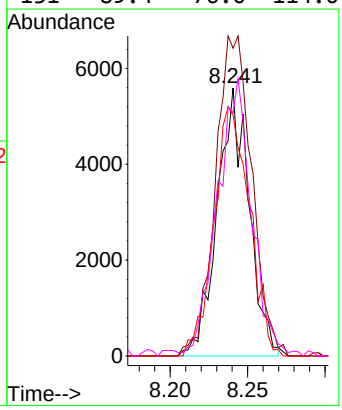
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

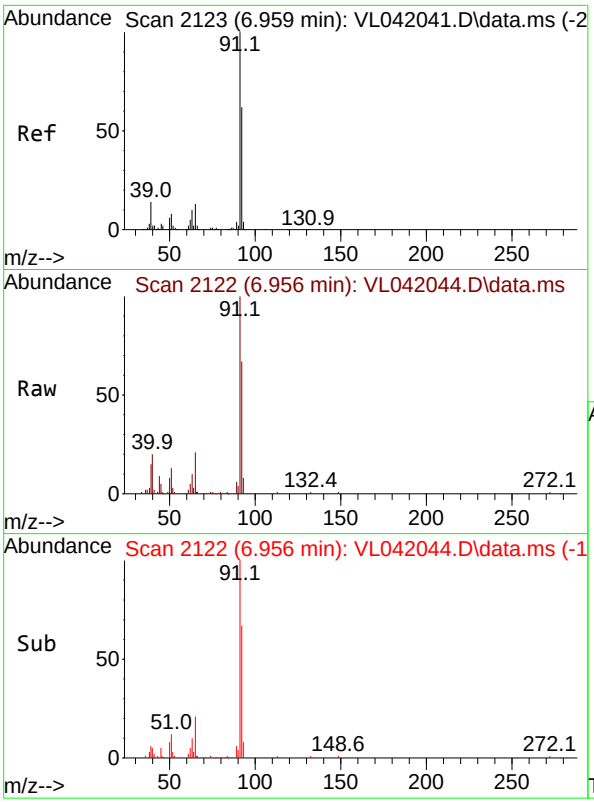


#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:164 Resp: 8012

Ion	Ratio	Lower	Upper
164	100		
166	114.8	95.7	143.5
129	89.8	77.1	115.7
131	89.4	76.0	114.0

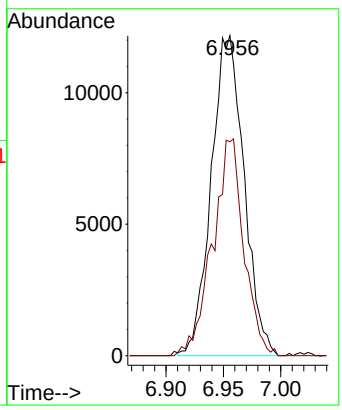




#53
Toluene
Concen: 0.398 ppbv
RT: 6.956 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 2422

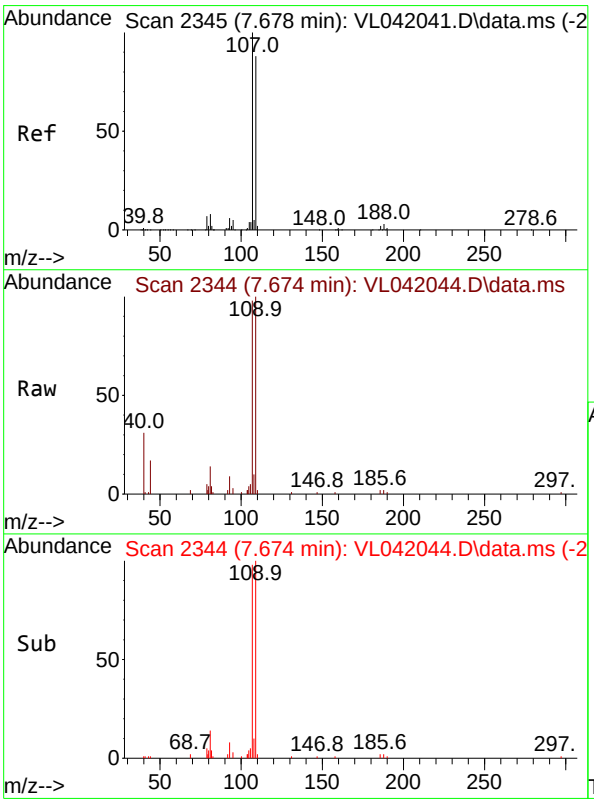
Ion	Ratio	Lower	Upper
91	100		
92	64.4	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

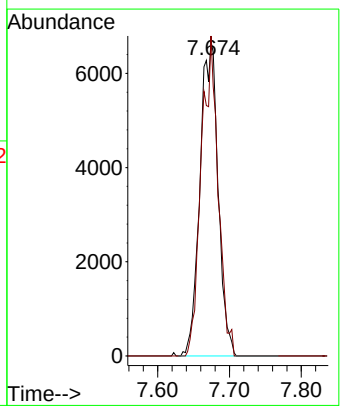
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

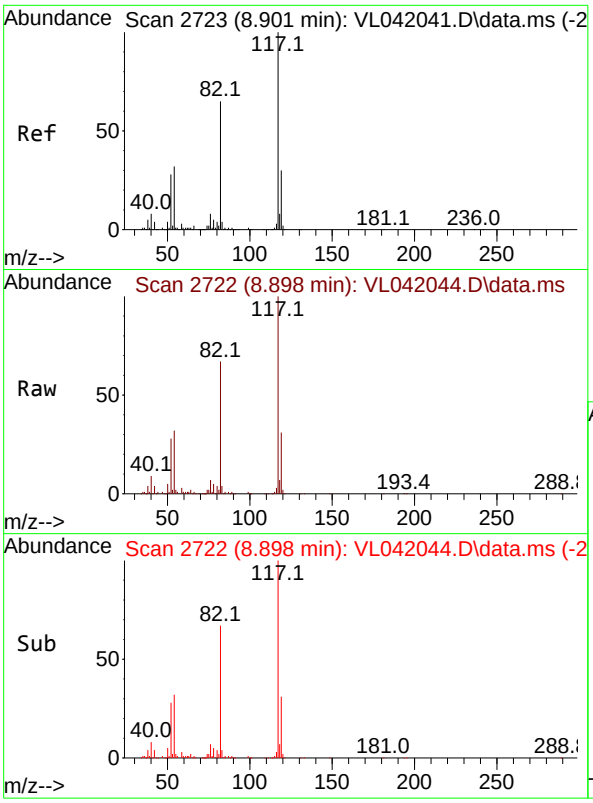


#54
1,2-Dibromoethane
Concen: 0.432 ppbv m
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:107 Resp: 11718

Ion	Ratio	Lower	Upper
107	100		
109	101.6	70.2	105.4

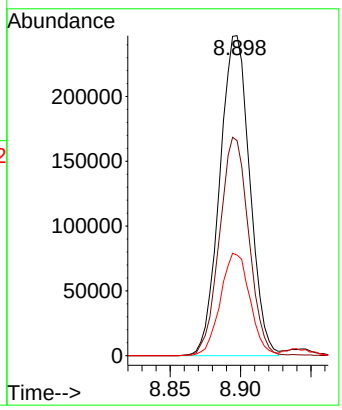




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:117 Resp: 365954

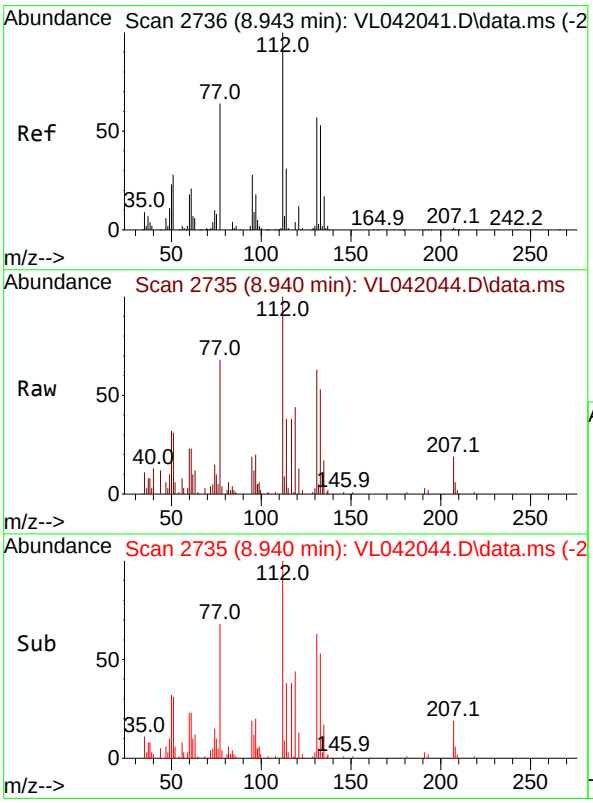
Ion	Ratio	Lower	Upper
117	100		
82	66.8	55.0	82.6
119	33.5	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

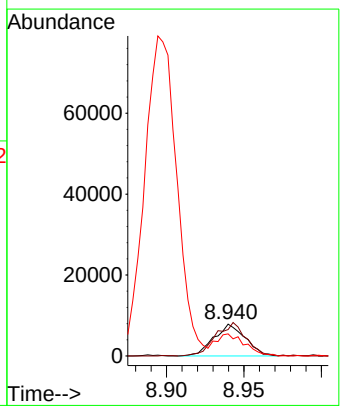
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

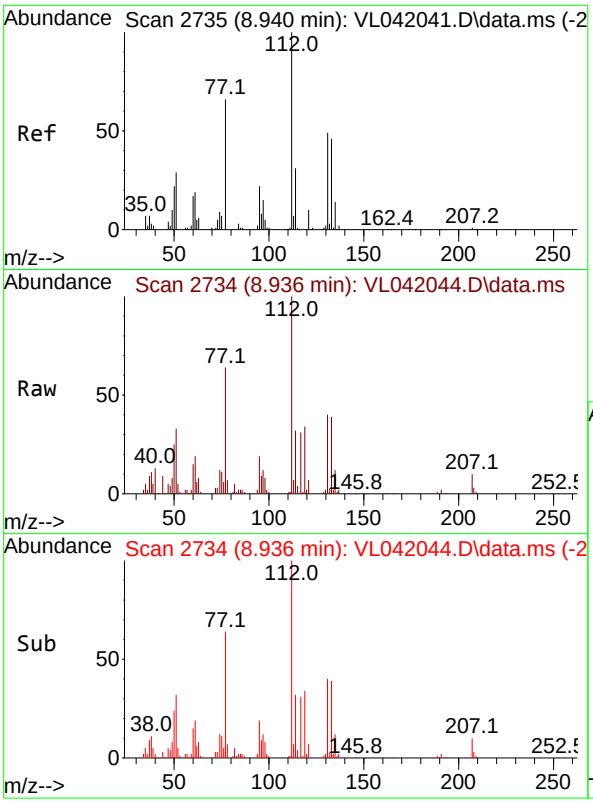


#56
1,1,1,2-Tetrachloroethane
Concen: 0.424 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:131 Resp: 11100

Ion	Ratio	Lower	Upper
131	100		
133	103.4	75.8	113.8
119	0.0	52.1	78.1#

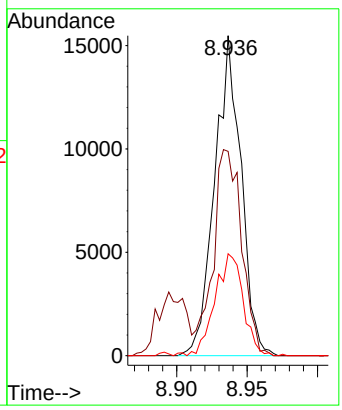




#57
Chlorobenzene
Concen: 0.468 ppbv
RT: 8.936 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:112 Resp: 2016

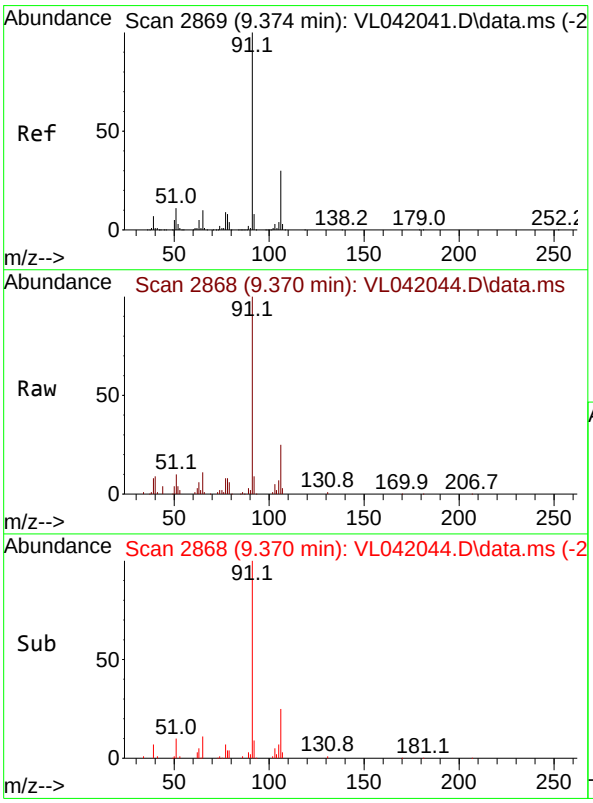
Ion	Ratio	Lower	Upper
112	100		
77	63.8	53.4	80.2
114	31.9	28.3	34.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

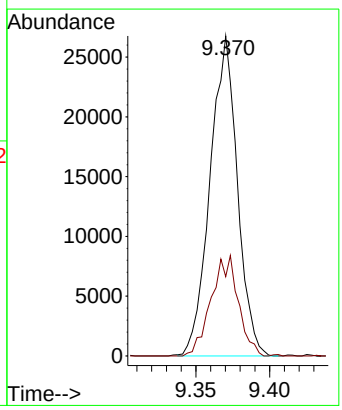
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

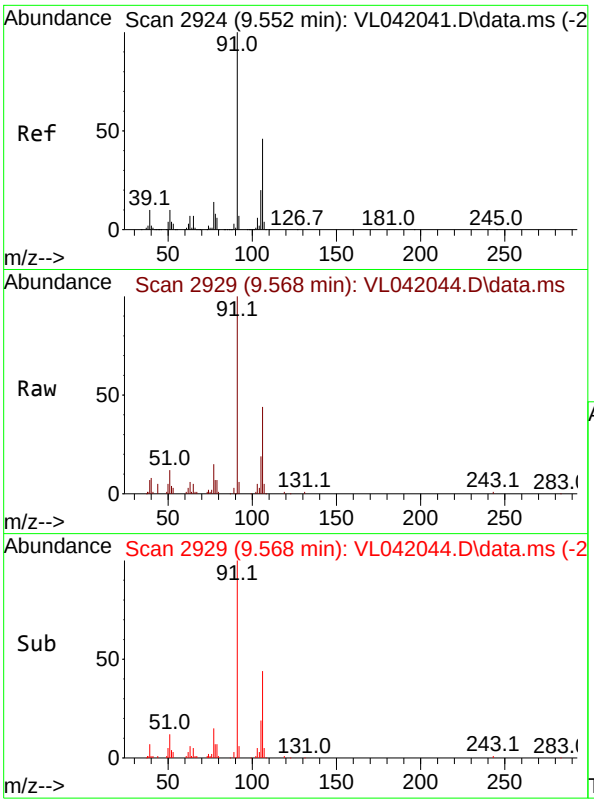


#58
Ethyl Benzene
Concen: 0.431 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 34506

Ion	Ratio	Lower	Upper
91	100		
106	24.8	24.2	36.2

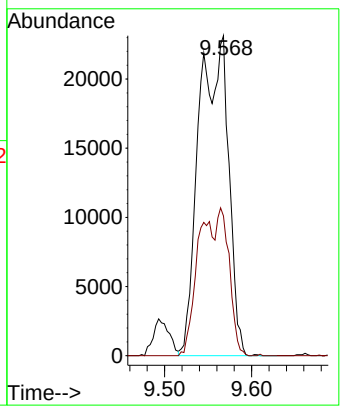




#59
m/p-Xylene
Concen: 0.863 ppbv m
RT: 9.568 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 5444

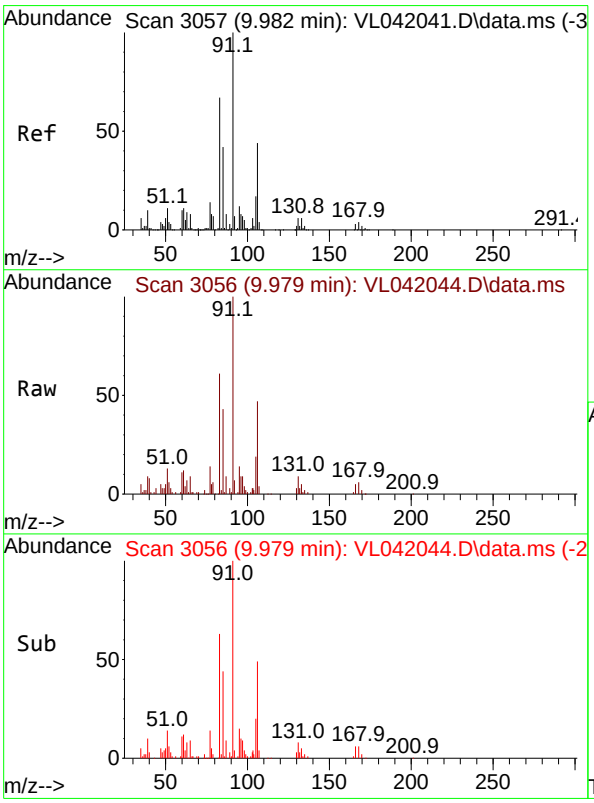
Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

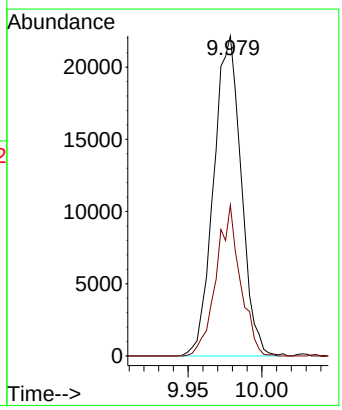
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

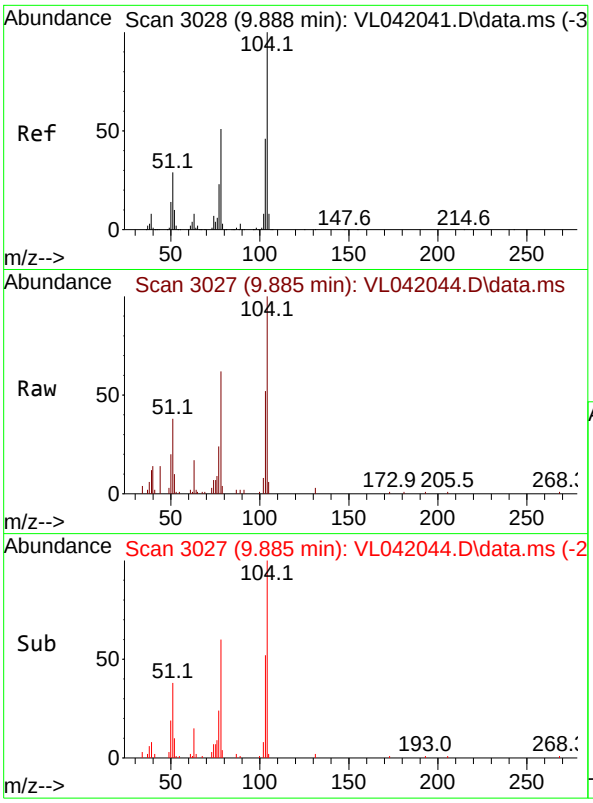


#60
o-Xylene
Concen: 0.451 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 28757

Ion	Ratio	Lower	Upper
91	100		
106	41.3	22.3	66.8

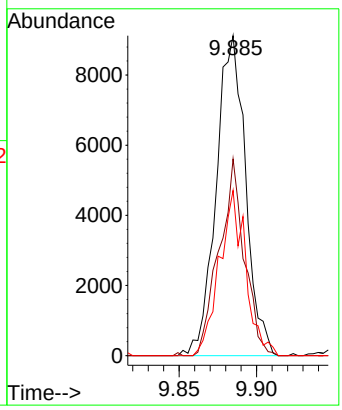




#61
Styrene
Concen: 0.396 ppbv
RT: 9.885 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:104 Resp: 1205

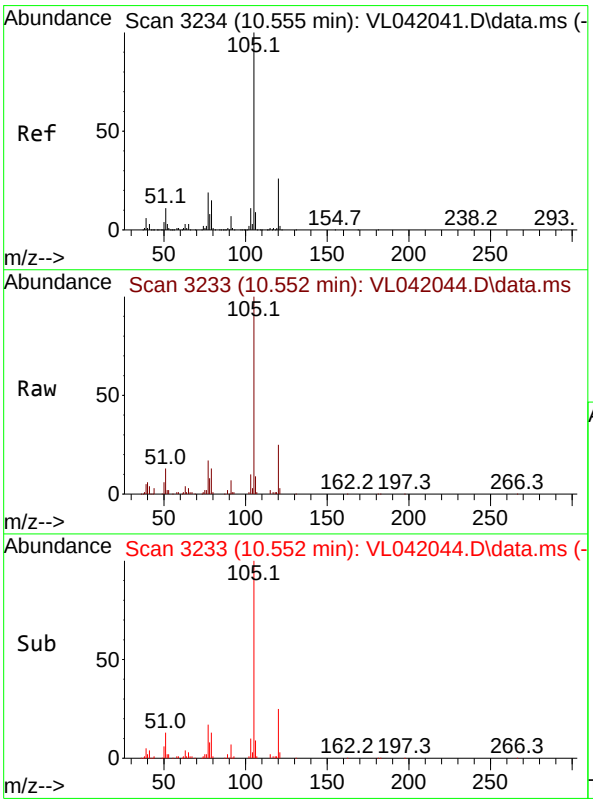
Ion	Ratio	Lower	Upper
104	100		
78	52.9	41.0	61.4
103	46.1	37.0	55.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

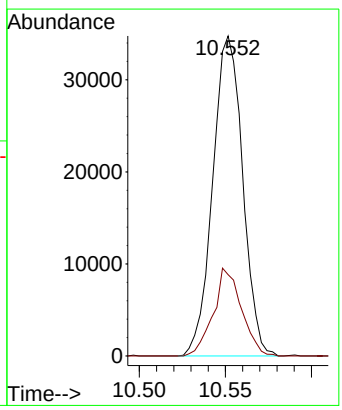
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

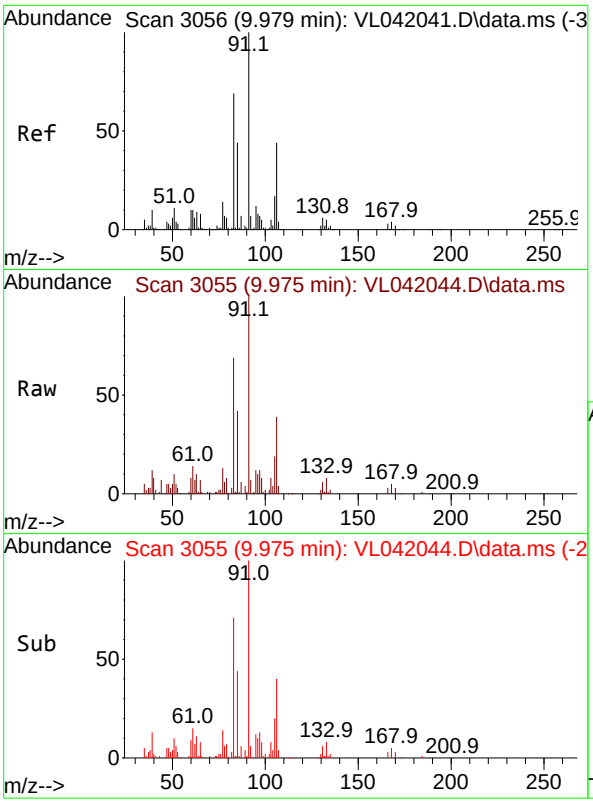


#62
Isopropylbenzene
Concen: 0.439 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 42074

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1

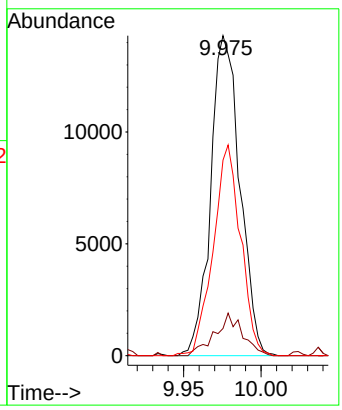




#63
1,1,2,2-Tetrachloroethane
Concen: 0.456 ppbv
RT: 9.975 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 1877

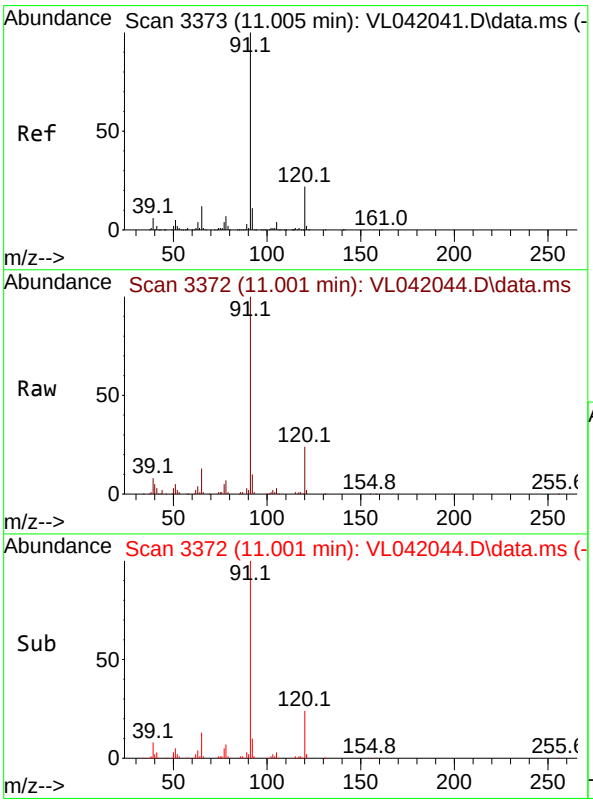
Ion	Ratio	Lower	Upper
83	100		
131	12.5	4.5	13.7
85	61.7	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

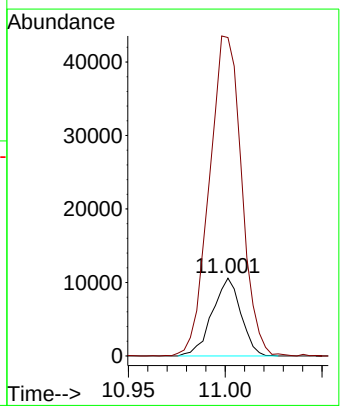
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

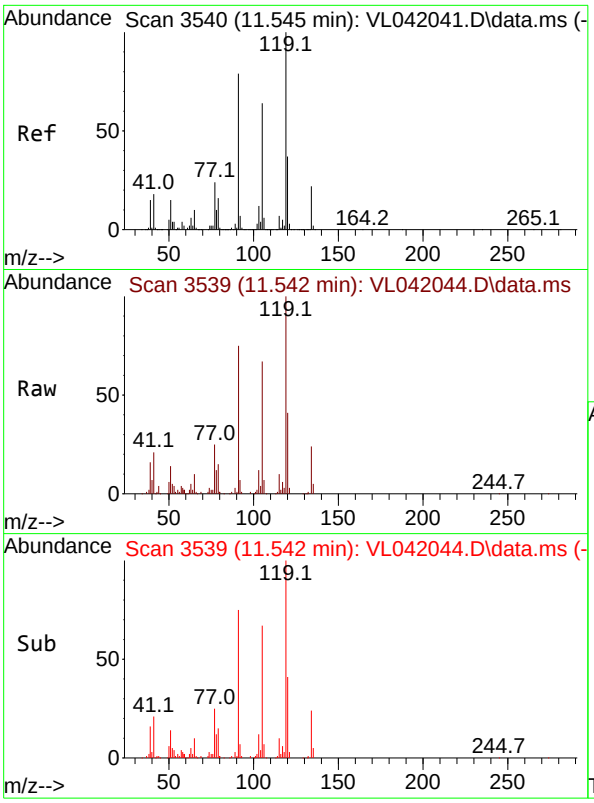


#64
n-propylbenzene
Concen: 0.463 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:120 Resp: 10900

Ion	Ratio	Lower	Upper
120	100		
91	464.2	370.6	556.0

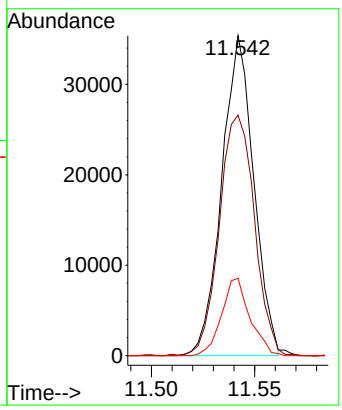




#65
tert-Butylbenzene
Concen: 0.456 ppbv
RT: 11.542 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:119 Resp: 3806

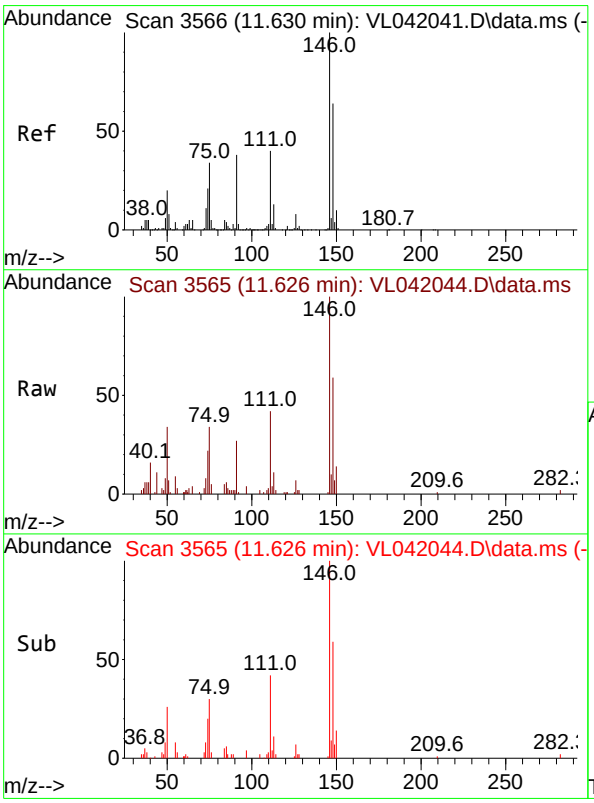
Ion	Ratio	Lower	Upper
119	100		
91	82.9	64.2	96.2
134	21.5	17.4	26.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

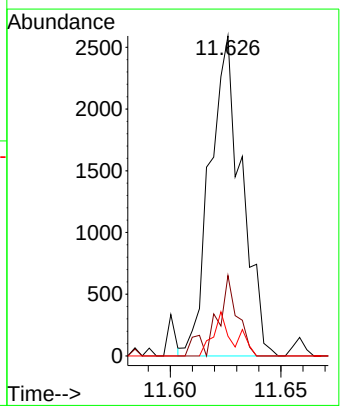
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

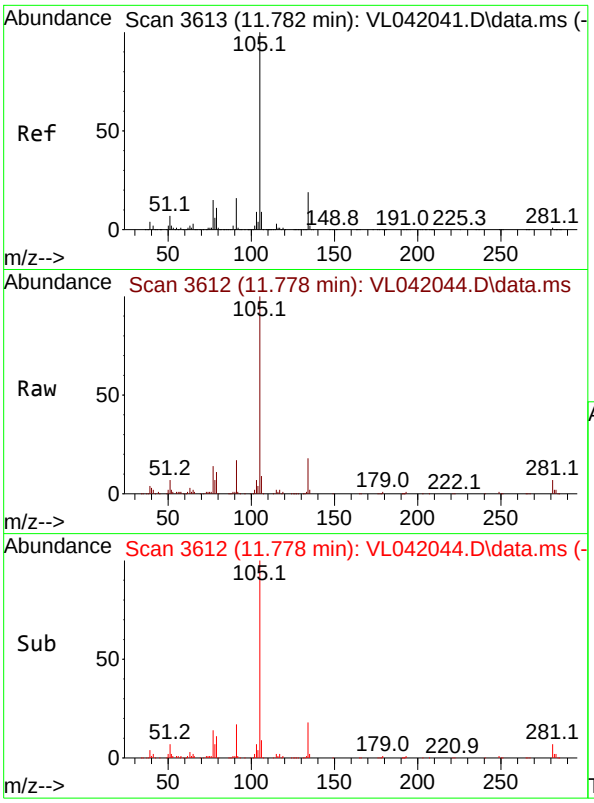


#66
Benzyl Chloride
Concen: 0.309 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 2589

Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.5	21.7
128	8.7	5.4	8.2#

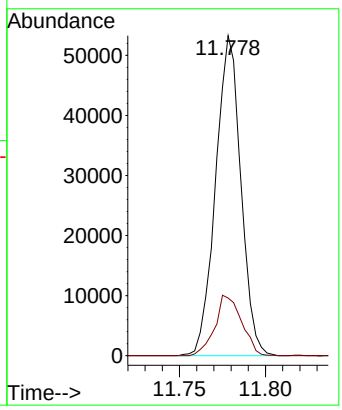




#67
sec-Butylbenzene
Concen: 0.464 ppbv
RT: 11.778 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 5439

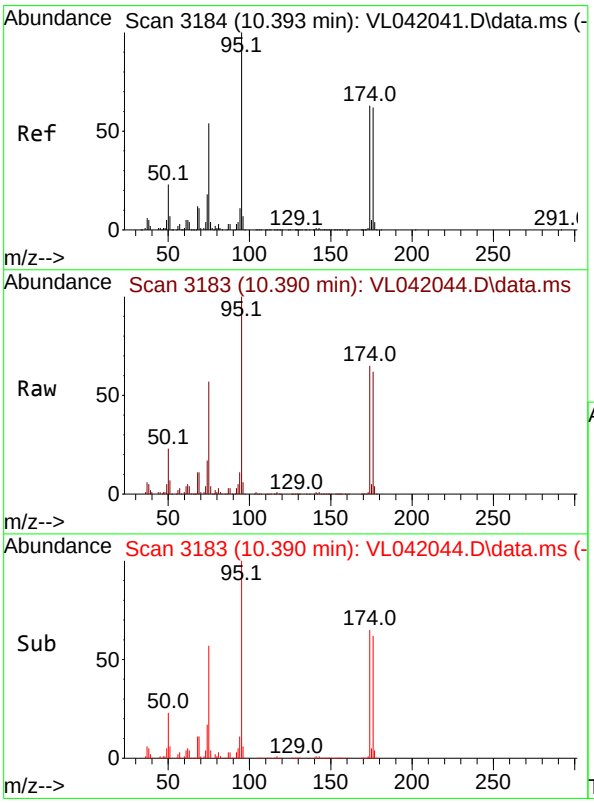
Ion	Ratio	Lower	Upper
105	100		
134	19.9	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

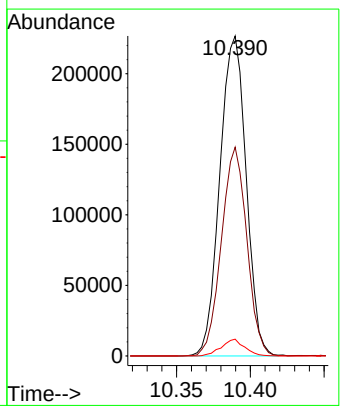
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

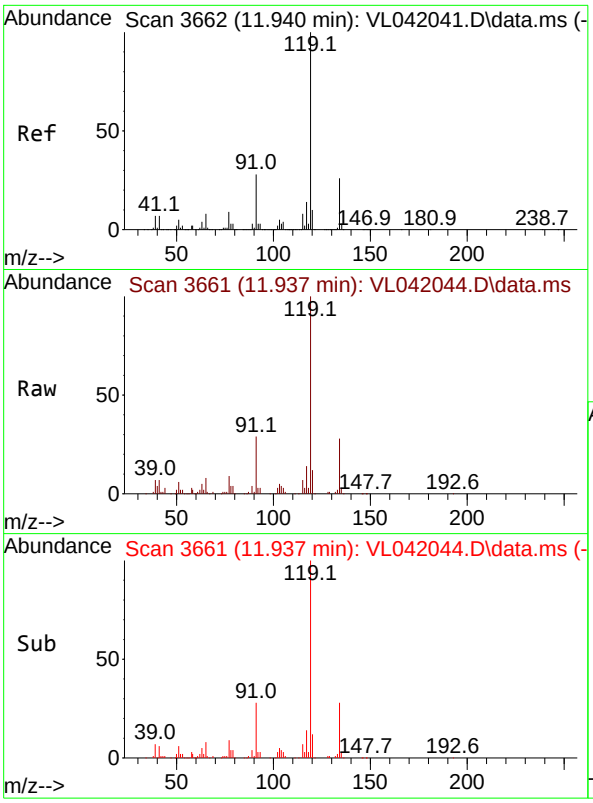


#68
1-Bromo-4-Fluorobenzene
Concen: 9.310 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 95 Resp: 281042

Ion	Ratio	Lower	Upper
95	100		
174	63.4	51.8	77.6
175	4.6	3.9	5.9

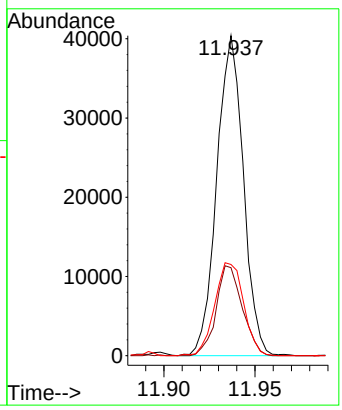




#69
p-Isopropyltoluene
Concen: 0.427 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:119 Resp: 4097

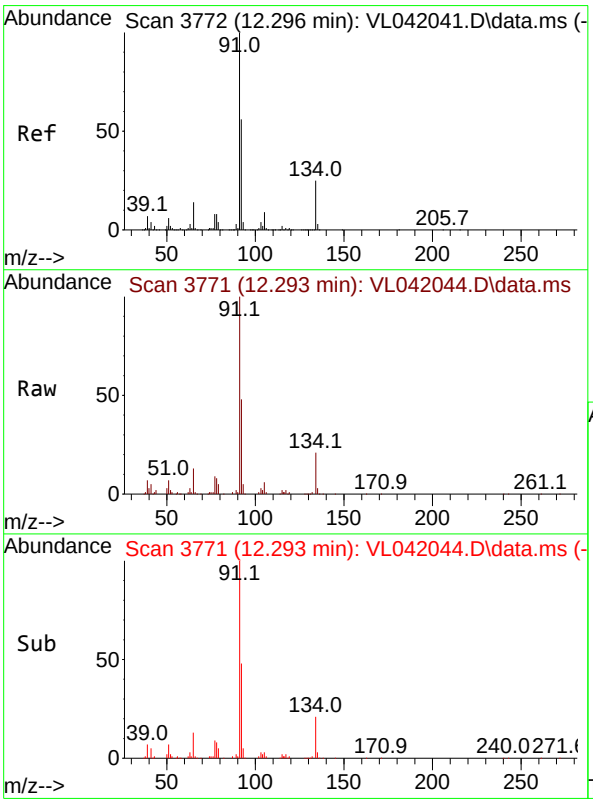
Ion	Ratio	Lower	Upper
119	100		
134	27.7	20.9	31.3
91	32.2	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

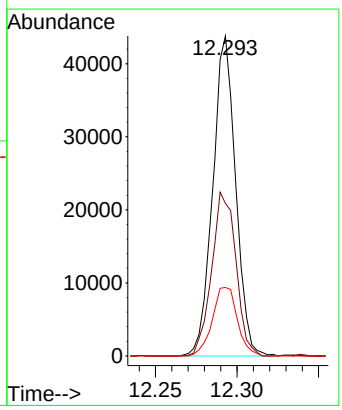
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

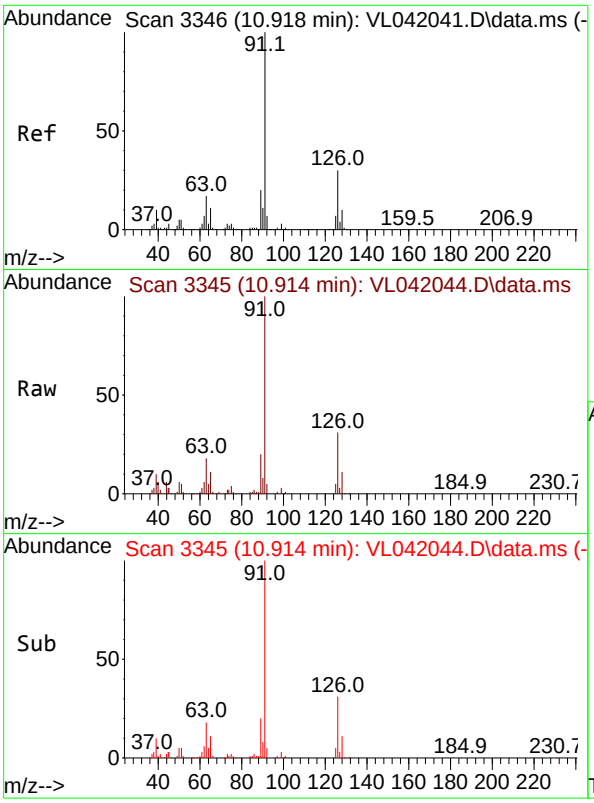


#70
n-Butylbenzene
Concen: 0.451 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 42673

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.7	67.1
134	23.5	18.9	28.3

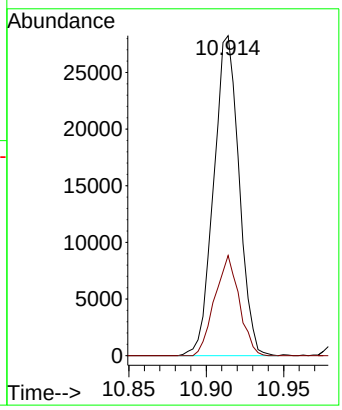




#71
2-Chlorotoluene
Concen: 0.446 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 3216

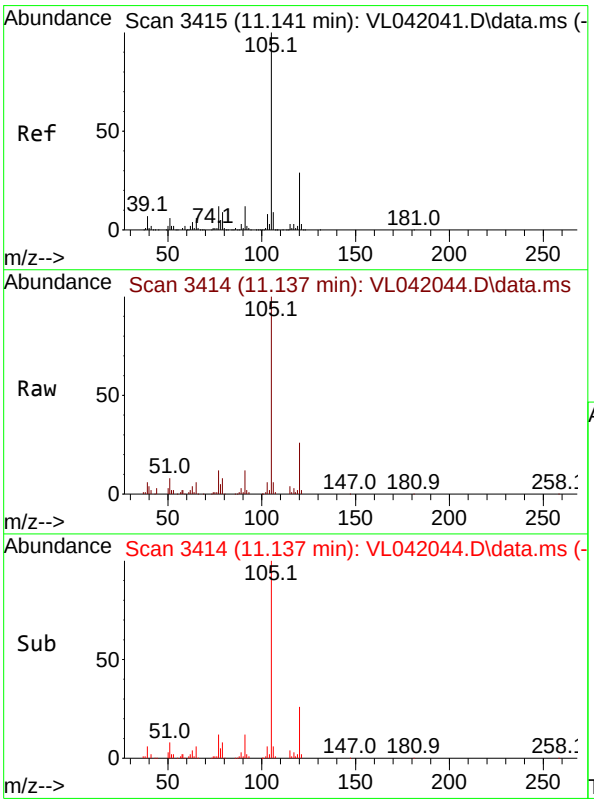
Ion	Ratio	Lower	Upper
91	100		
126	30.2	11.9	47.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

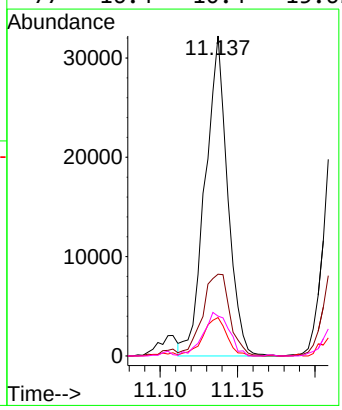
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

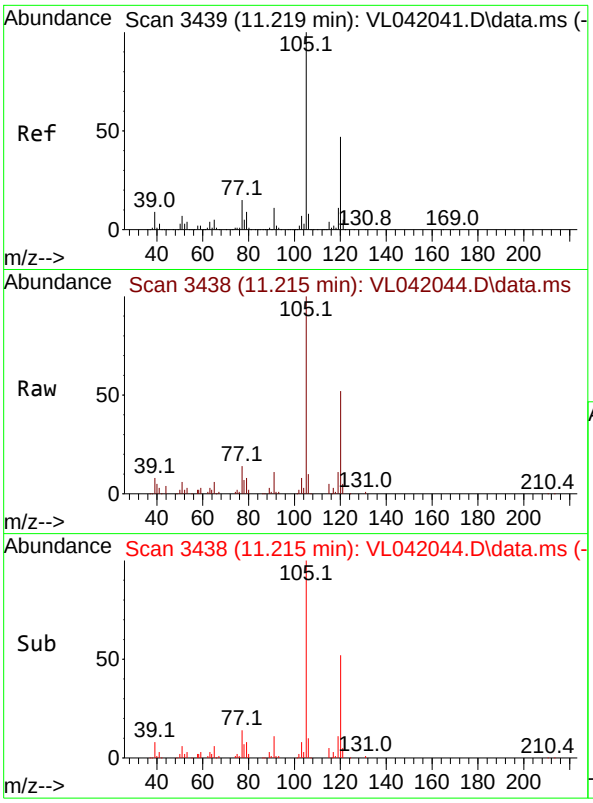


#72
4-Ethyltoluene
Concen: 0.434 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 32477

Ion	Ratio	Lower	Upper
105	100		
120	32.5	24.1	36.1
91	13.6	10.2	15.4
77	16.4	10.4	15.6#

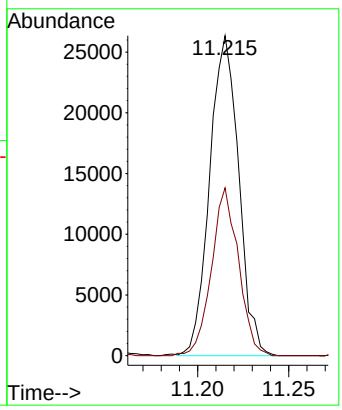




#73
1,3,5-Trimethylbenzene
Concen: 0.452 ppbv
RT: 11.215 min Scan# 34
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 2913

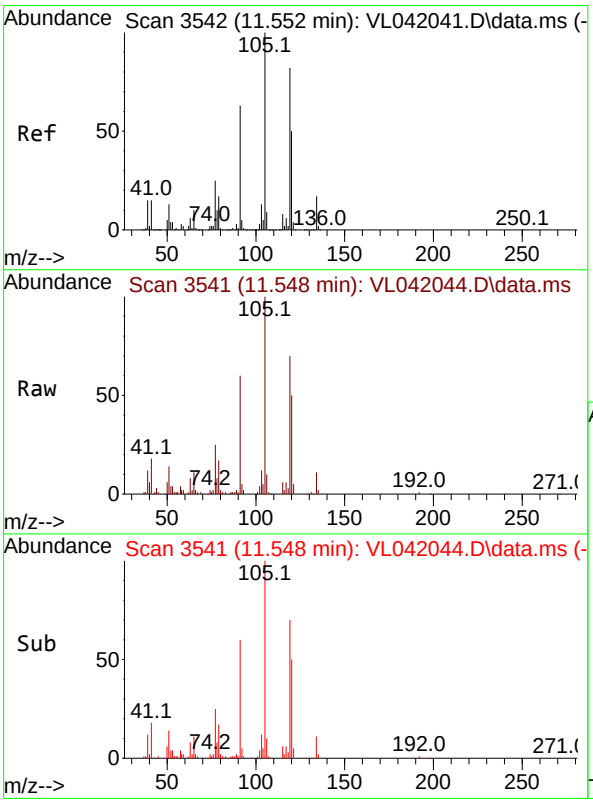
Ion	Ratio	Lower	Upper
105	100		
120	52.4	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

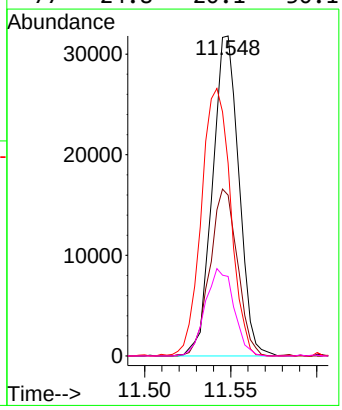
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

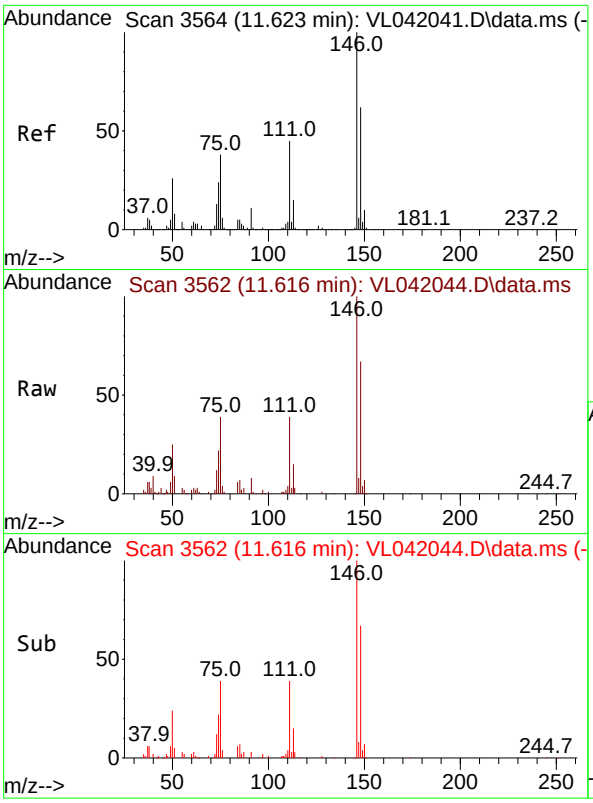


#74
1,2,4-Trimethylbenzene
Concen: 0.491 ppbv
RT: 11.548 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 33950

Ion	Ratio	Lower	Upper
105	100		
120	50.1	40.2	60.2
91	60.2	51.4	77.2
77	24.8	20.1	30.1

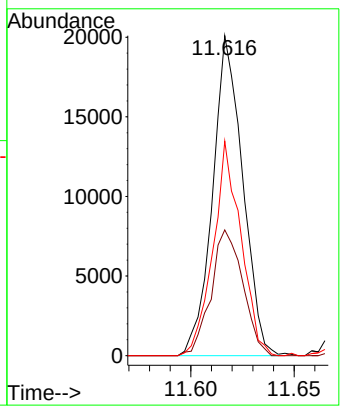




#75
1,3-Dichlorobenzene
Concen: 0.546 ppbv
RT: 11.616 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 2033

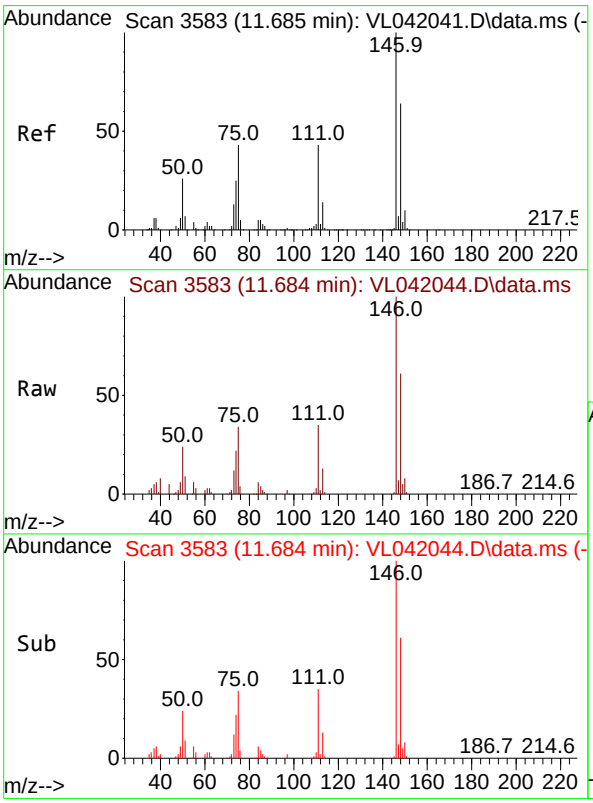
Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.4	67.2
148	61.9	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

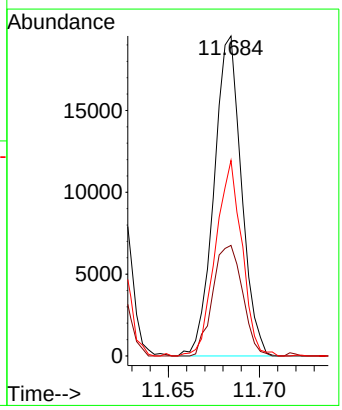
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

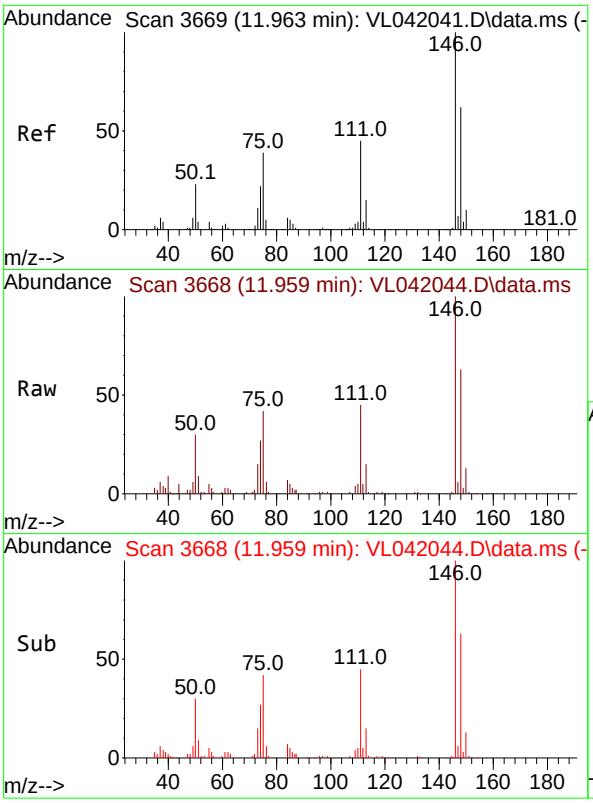


#76
1,4-Dichlorobenzene
Concen: 0.564 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 20492

Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.5	64.5
148	58.8	31.6	95.0

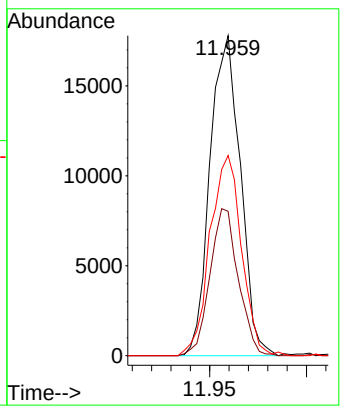




#77
1,2-Dichlorobenzene
Concen: 0.544 ppbv
RT: 11.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 1937

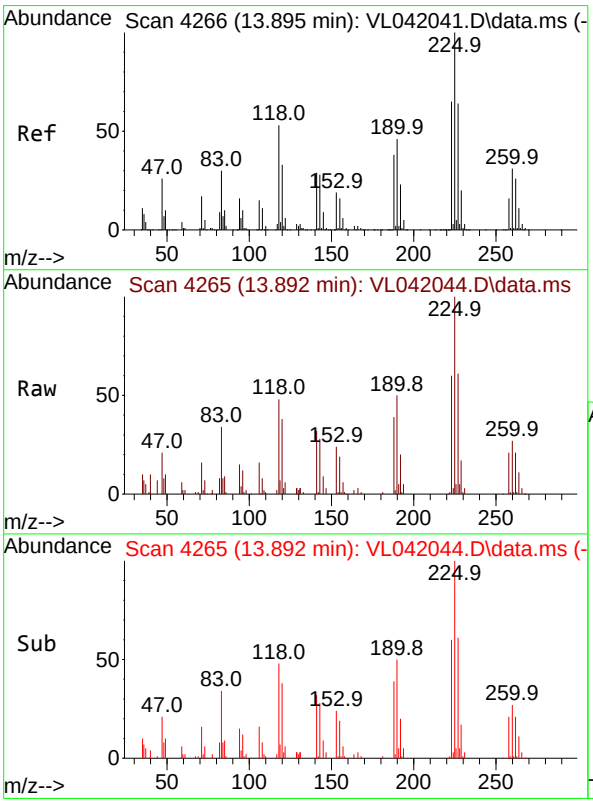
Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.2	69.6
148	65.0	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

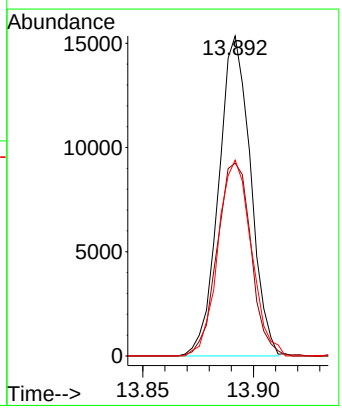
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

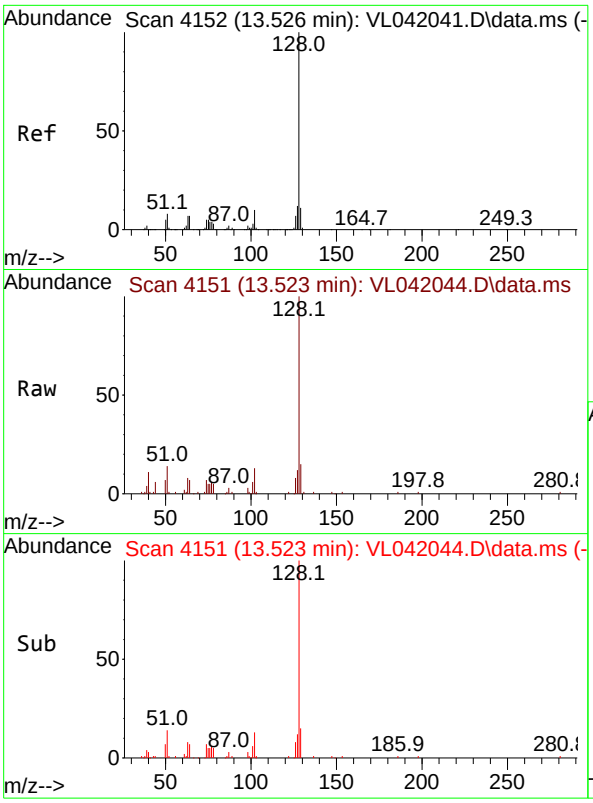


#78
Hexachloro-1,3-Butadiene
Concen: 0.522 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:225 Resp: 15367

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	64.0	50.8	76.2

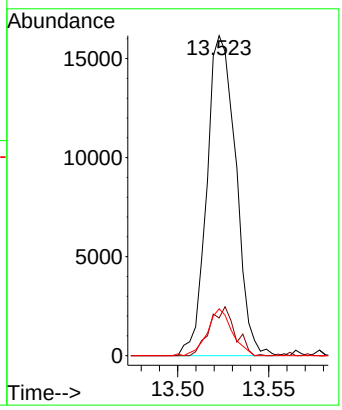




#79
Naphthalene
Concen: 0.263 ppbv
RT: 13.523 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:128 Resp: 1789

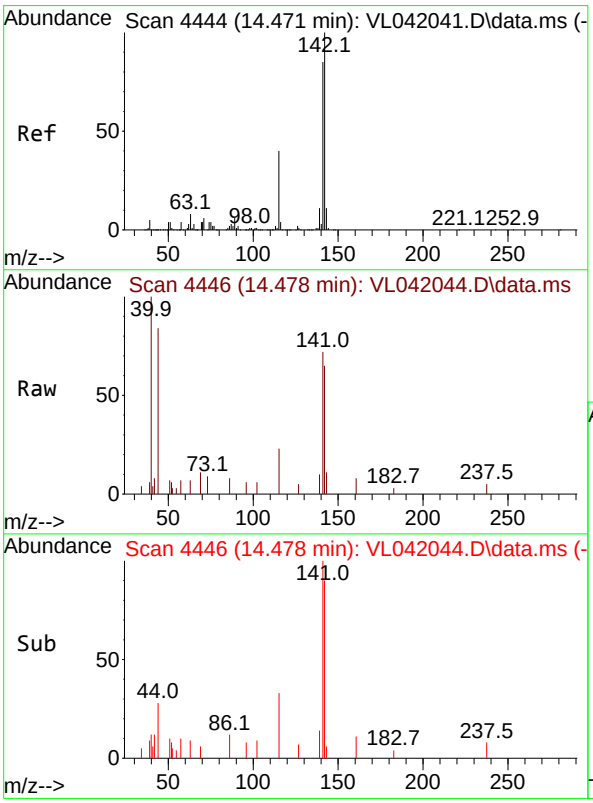
Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.6
129	14.7	8.6	12.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

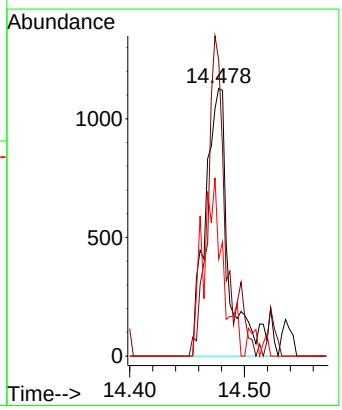
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

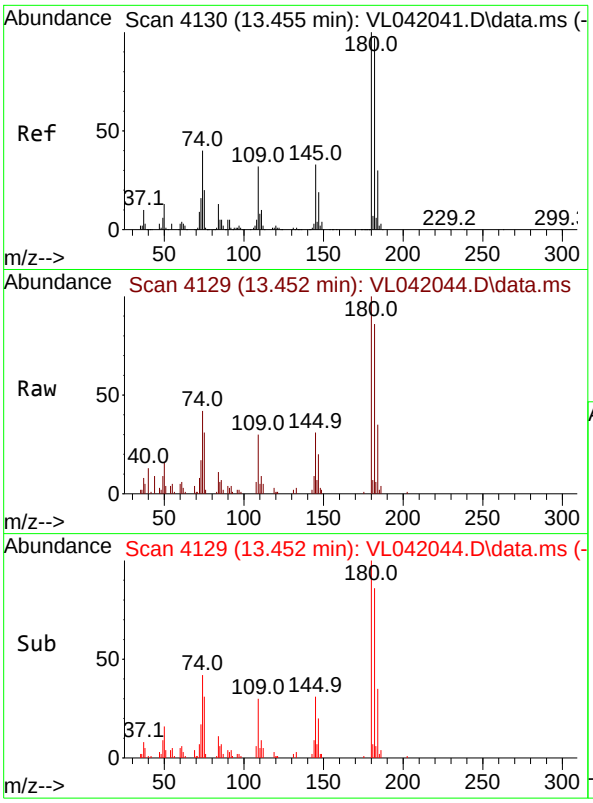


#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:142 Resp: 1646

Ion	Ratio	Lower	Upper
142	100		
141	94.8	65.8	98.6
115	55.5	29.5	44.3#

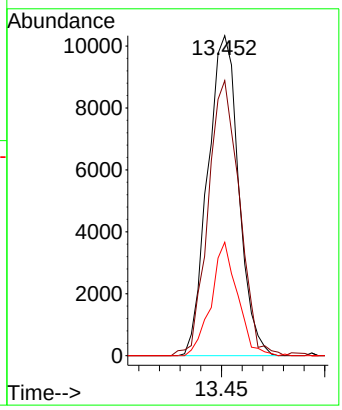




#81
1,2,4-Trichlorobenzene
Concen: 0.389 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:180 Resp: 1077

Ion	Ratio	Lower	Upper
180	100		
182	87.1	75.1	112.7
184	30.2	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	161406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	414875	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	363831	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	276484	9.213	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.100%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	543	0.042	ppbv	# 88
32) 1,1,1-Trichloroethane	3.386	97	3026	0.064	ppbv	# 86
35) Carbon Tetrachloride	3.787	117	2923m	0.073	ppbv	
38) Trichloroethene	4.577	130	1915m	0.094	ppbv	
52) Tetrachloroethene	8.254	164	1552m	0.089	ppbv	
54) 1,2-Dibromoethane	7.678	107	2335m	0.087	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.982	83	3549m	0.087	ppbv	
79) Naphthalene	13.529	128	3058	0.045	ppbv	# 91

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

Quantitation Report (QT Reviewed)

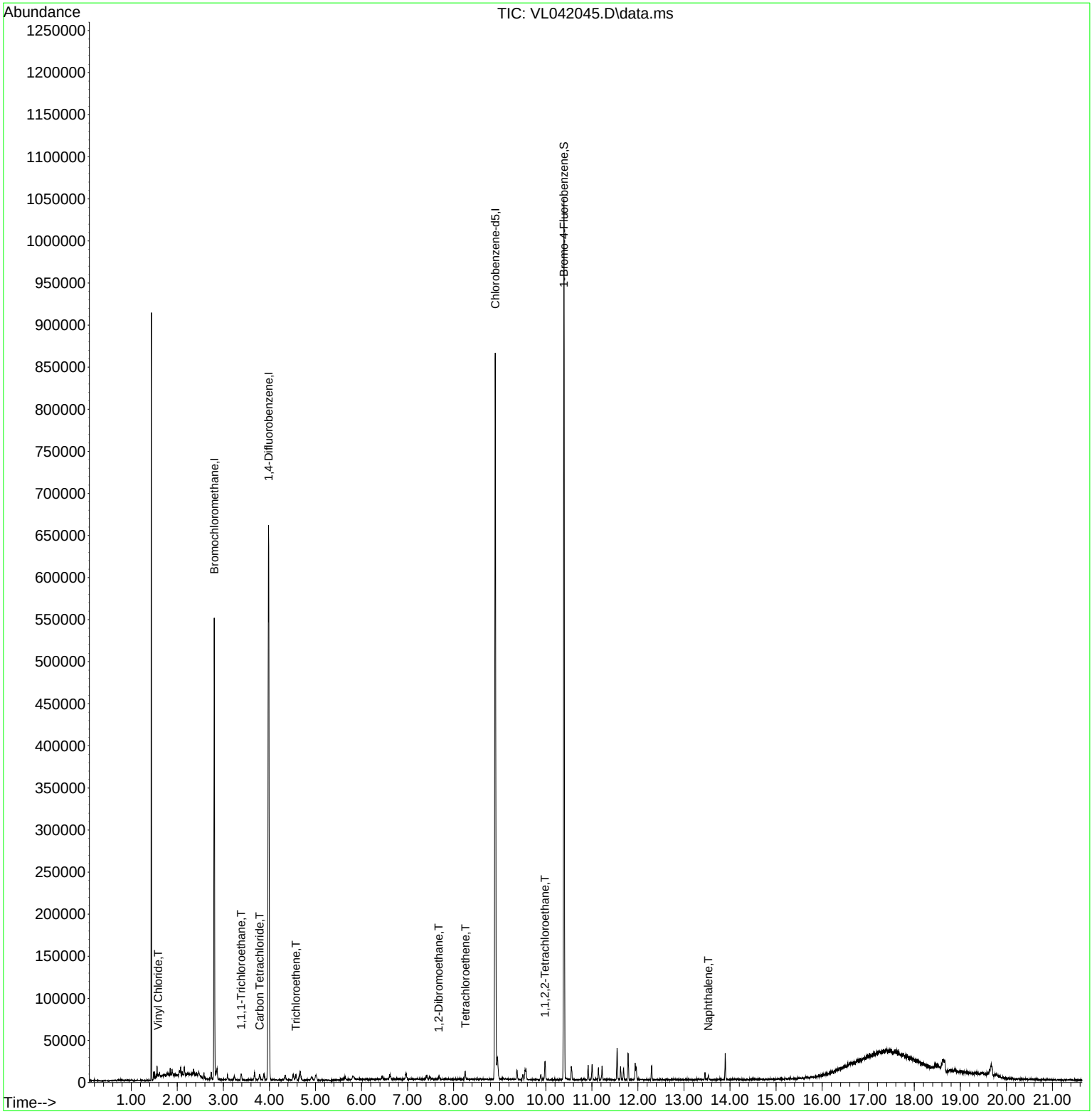
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

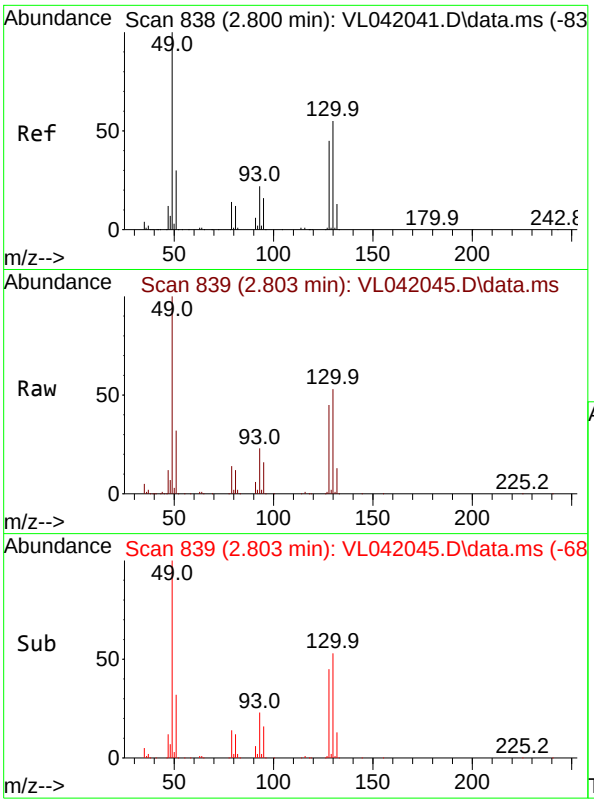
Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

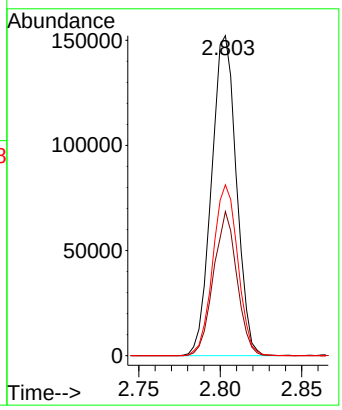




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 49 Resp: 16140

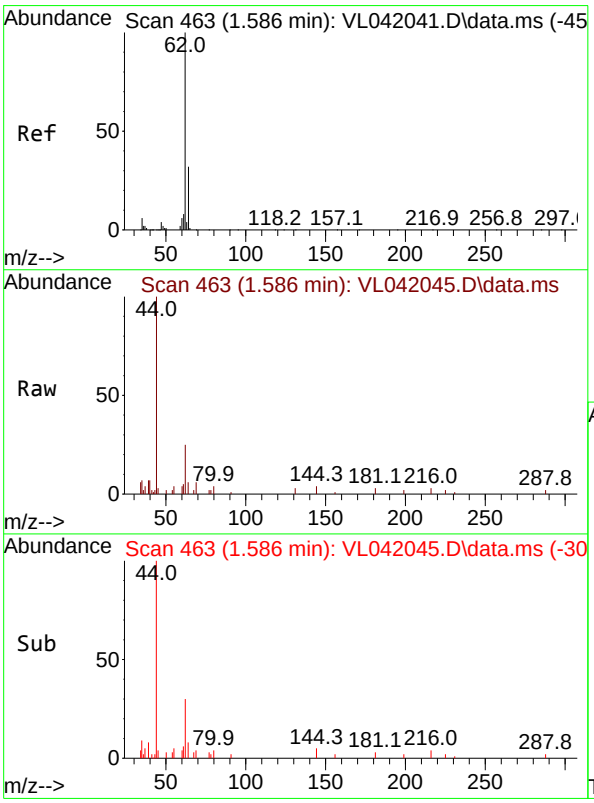
Ion	Ratio	Lower	Upper
49	100		
128	42.3	21.6	64.8
130	53.5	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

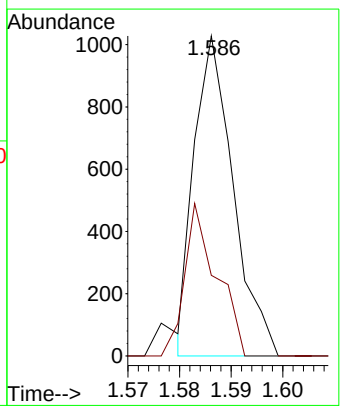
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

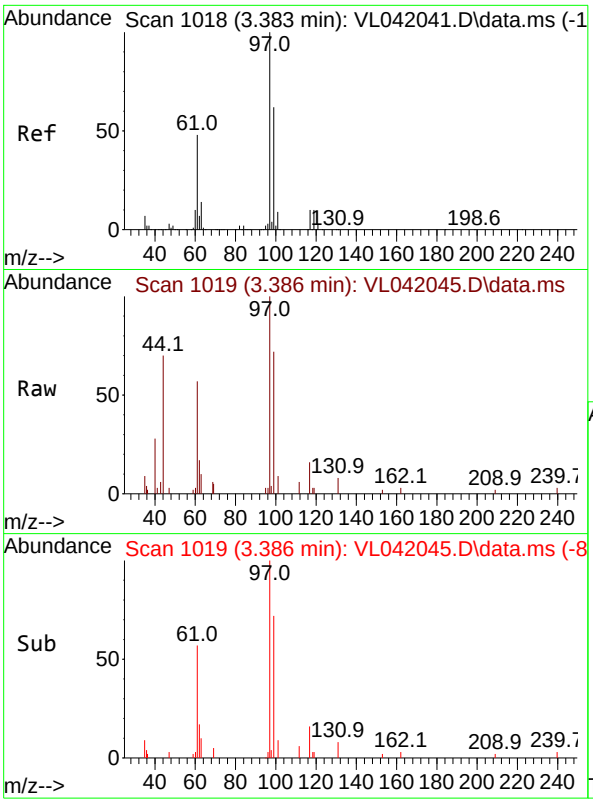


#5
Vinyl Chloride
Concen: 0.042 ppbv
RT: 1.586 min Scan# 463
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 62 Resp: 543

Ion	Ratio	Lower	Upper
62	100		
64	25.2	25.3	37.9#

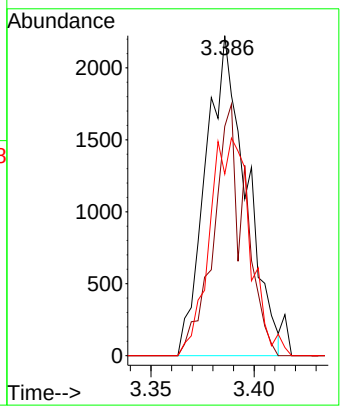




#32
1,1,1-Trichloroethane
Concen: 0.064 ppbv
RT: 3.386 min Scan# 1(
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 97 Resp: 302(

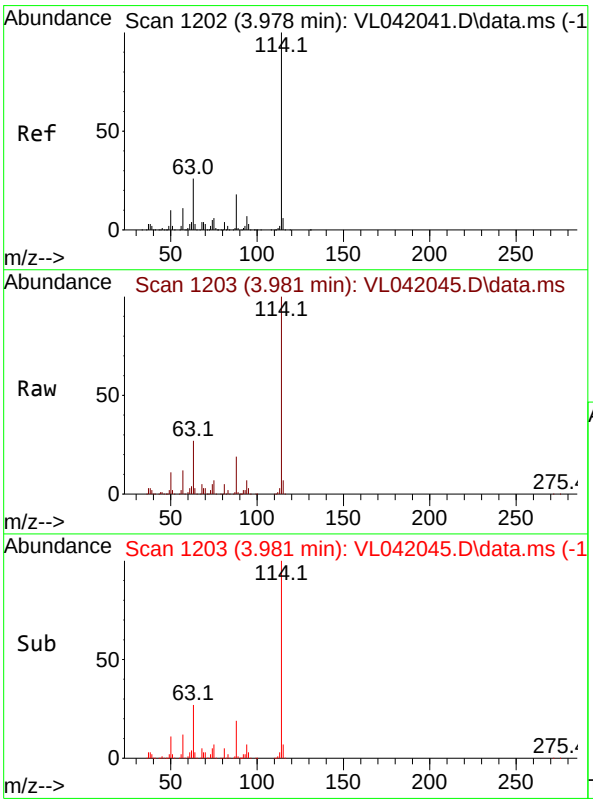
Ion	Ratio	Lower	Upper
97	100		
99	61.1	49.8	74.6
61	68.5	38.9	58.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

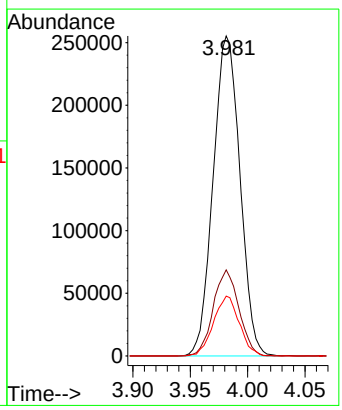
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

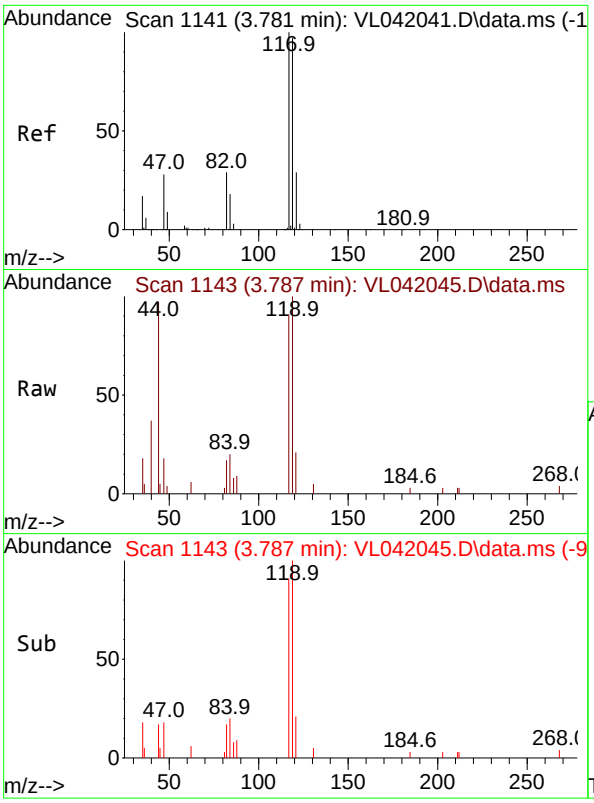


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:114 Resp: 414875

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.1	30.1
88	18.0	14.3	21.5

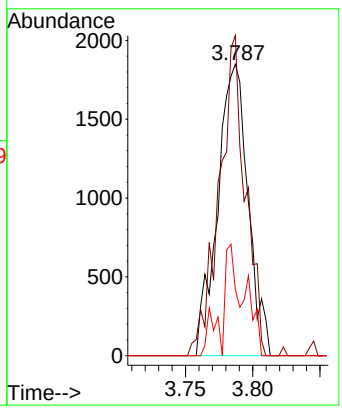




#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:117 Resp: 292

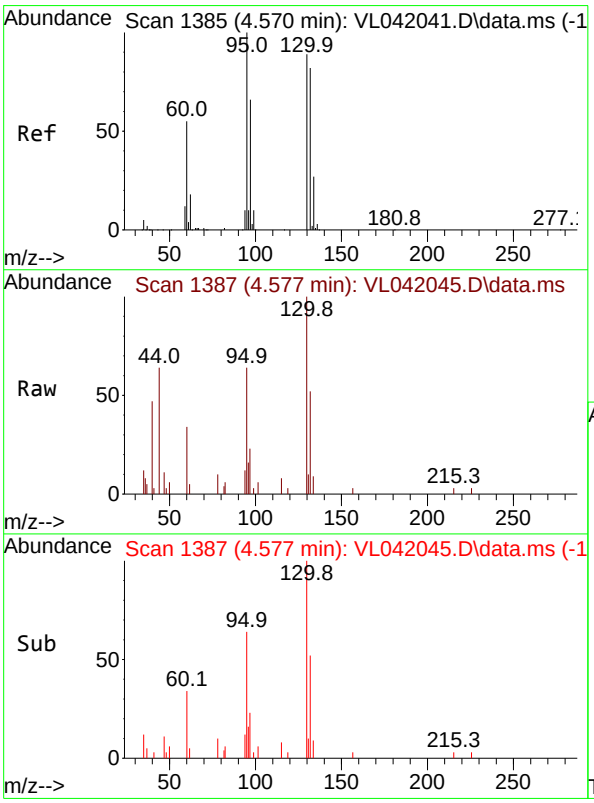
Ion	Ratio	Lower	Upper
117	100		
119	109.8	77.8	116.8
121	22.7	23.4	35.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

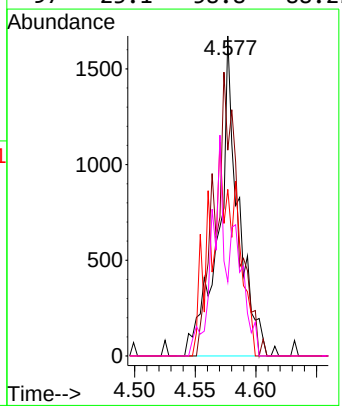
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

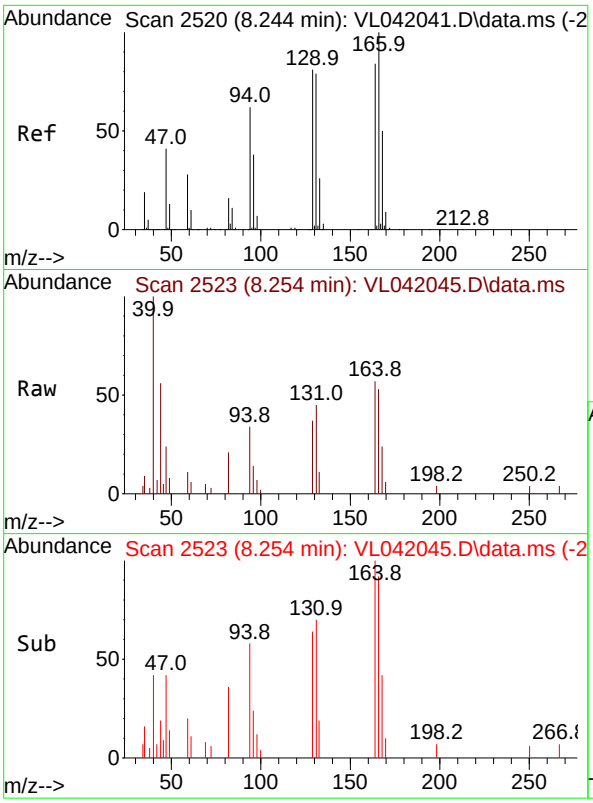


#38
Trichloroethene
Concen: 0.094 ppbv m
RT: 4.577 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:130 Resp: 1915

Ion	Ratio	Lower	Upper
130	100		
95	64.3	89.5	134.3#
132	52.0	73.8	110.6#
97	23.1	58.8	88.2#

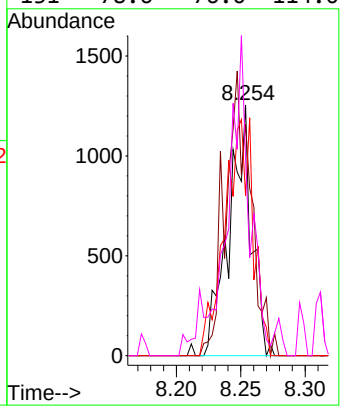




#52
Tetrachloroethene
Concen: 0.089 ppbv m
RT: 8.254 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:164 Resp: 155

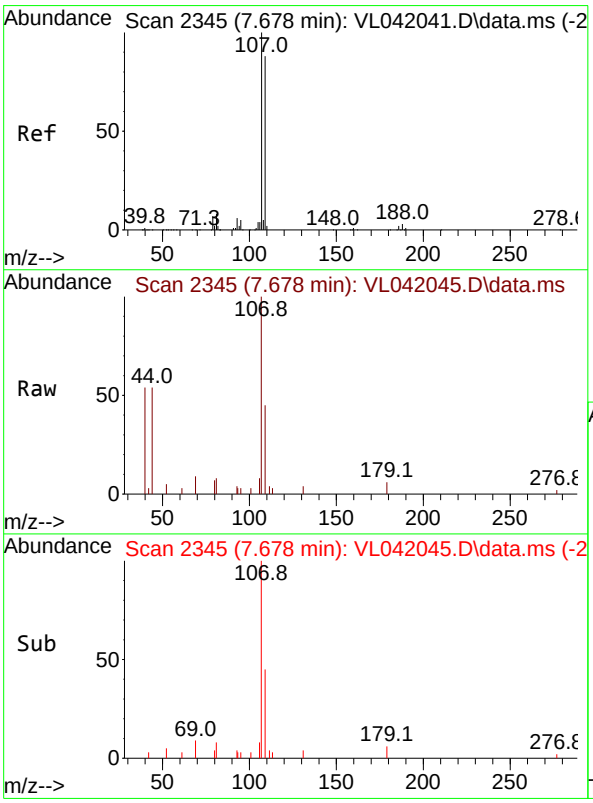
Ion	Ratio	Lower	Upper
164	100		
166	92.3	95.7	143.5#
129	63.9	77.1	115.7#
131	78.6	76.0	114.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

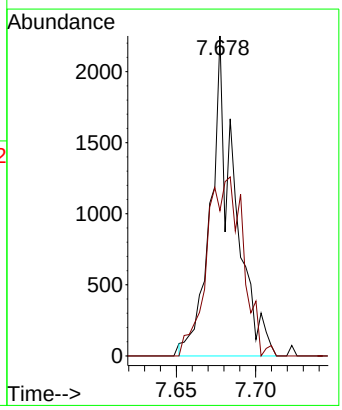
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

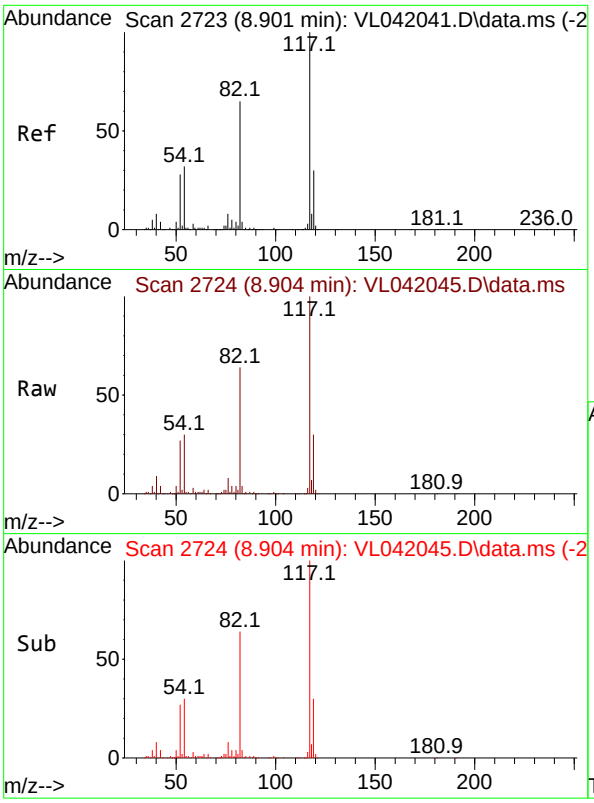


#54
1,2-Dibromoethane
Concen: 0.087 ppbv m
RT: 7.678 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:107 Resp: 2335

Ion	Ratio	Lower	Upper
107	100		
109	45.4	70.2	105.4#

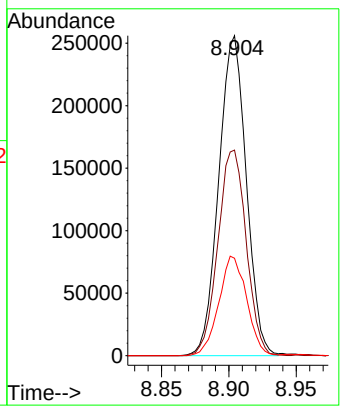




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:117 Resp: 36383

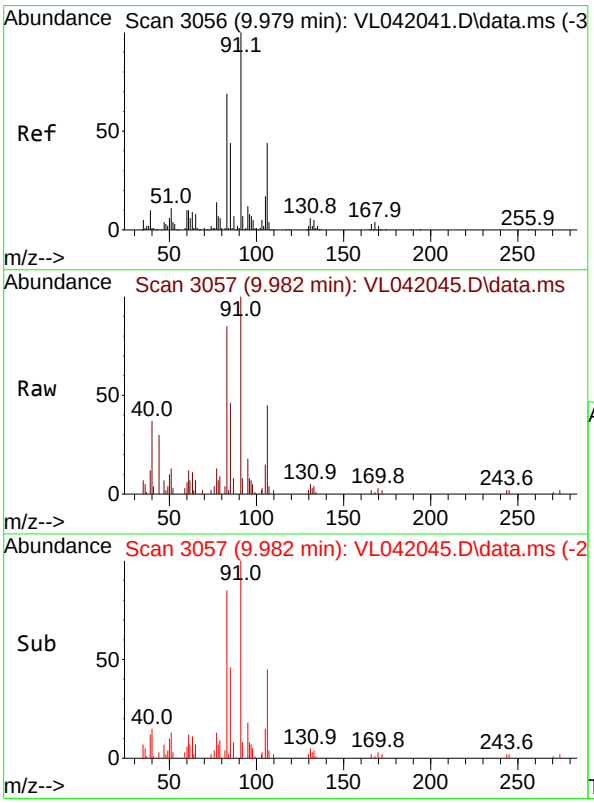
Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.0	82.6
119	31.9	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

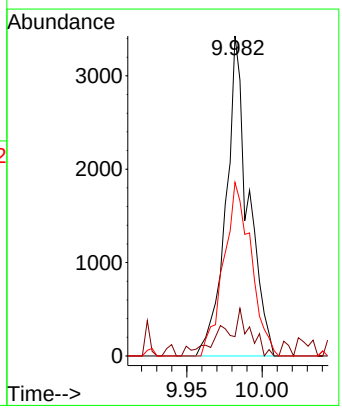
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

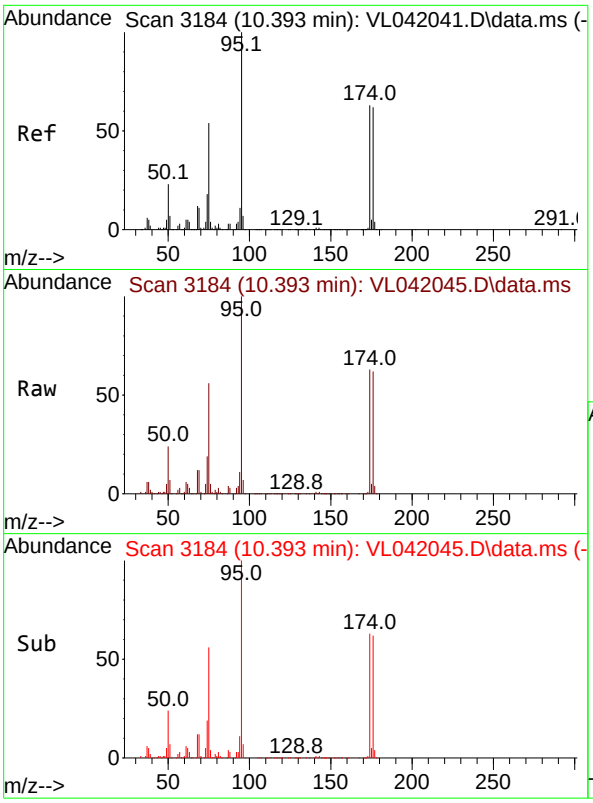


#63
1,1,2,2-Tetrachloroethane
Concen: 0.087 ppbv m
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 83 Resp: 3549

Ion	Ratio	Lower	Upper
83	100		
131	23.0	4.5	13.7#
85	66.0	32.1	96.3

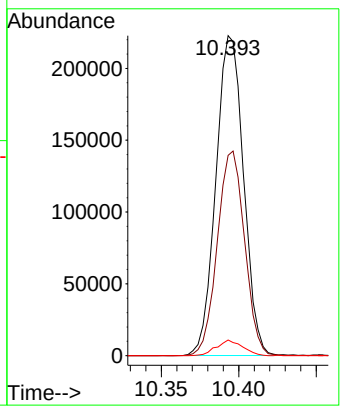




#68
1-Bromo-4-Fluorobenzene
Concen: 9.213 ppbv
RT: 10.393 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 95 Resp: 27648

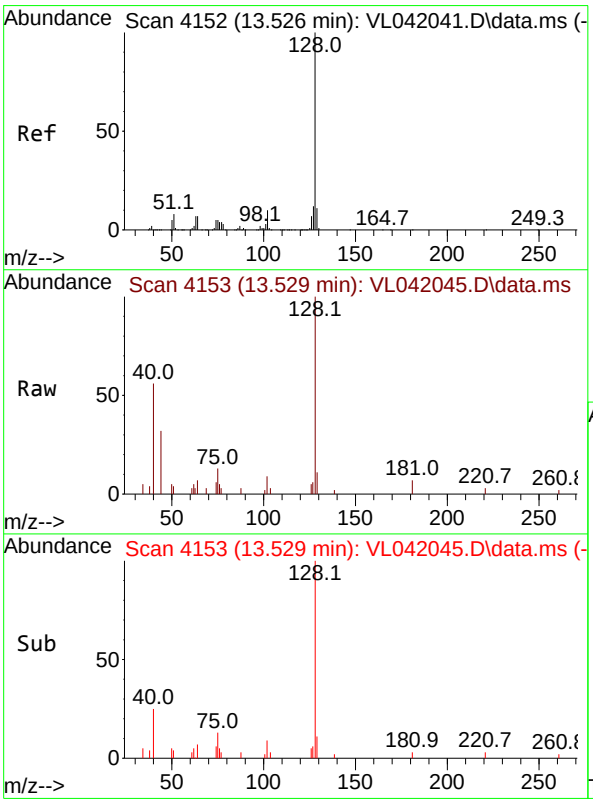
Ion	Ratio	Lower	Upper
95	100		
174	63.2	51.8	77.6
175	4.6	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

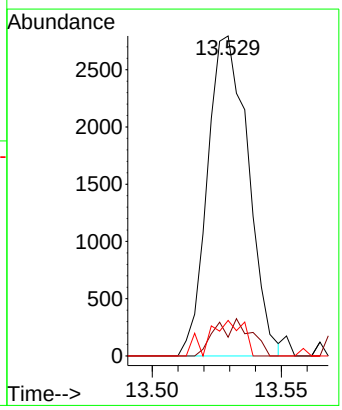
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#79
Naphthalene
Concen: 0.045 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:128 Resp: 3058

Ion	Ratio	Lower	Upper
128	100		
127	5.9	9.8	14.6#
129	11.1	8.6	12.8



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042046.D
Acq On : 25 Feb 2025 11:34
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	160156	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	410900	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	353154	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	272906	9.368	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.700%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	215	0.017	ppbv	89
32) 1,1,1-Trichloroethane	3.379	97	923m	0.020	ppbv	
35) Carbon Tetrachloride	3.784	117	818m	0.021	ppbv	
38) Trichloroethene	4.577	130	551m	0.027	ppbv	
52) Tetrachloroethene	8.237	164	397m	0.023	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.979	83	1058m	0.027	ppbv	

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

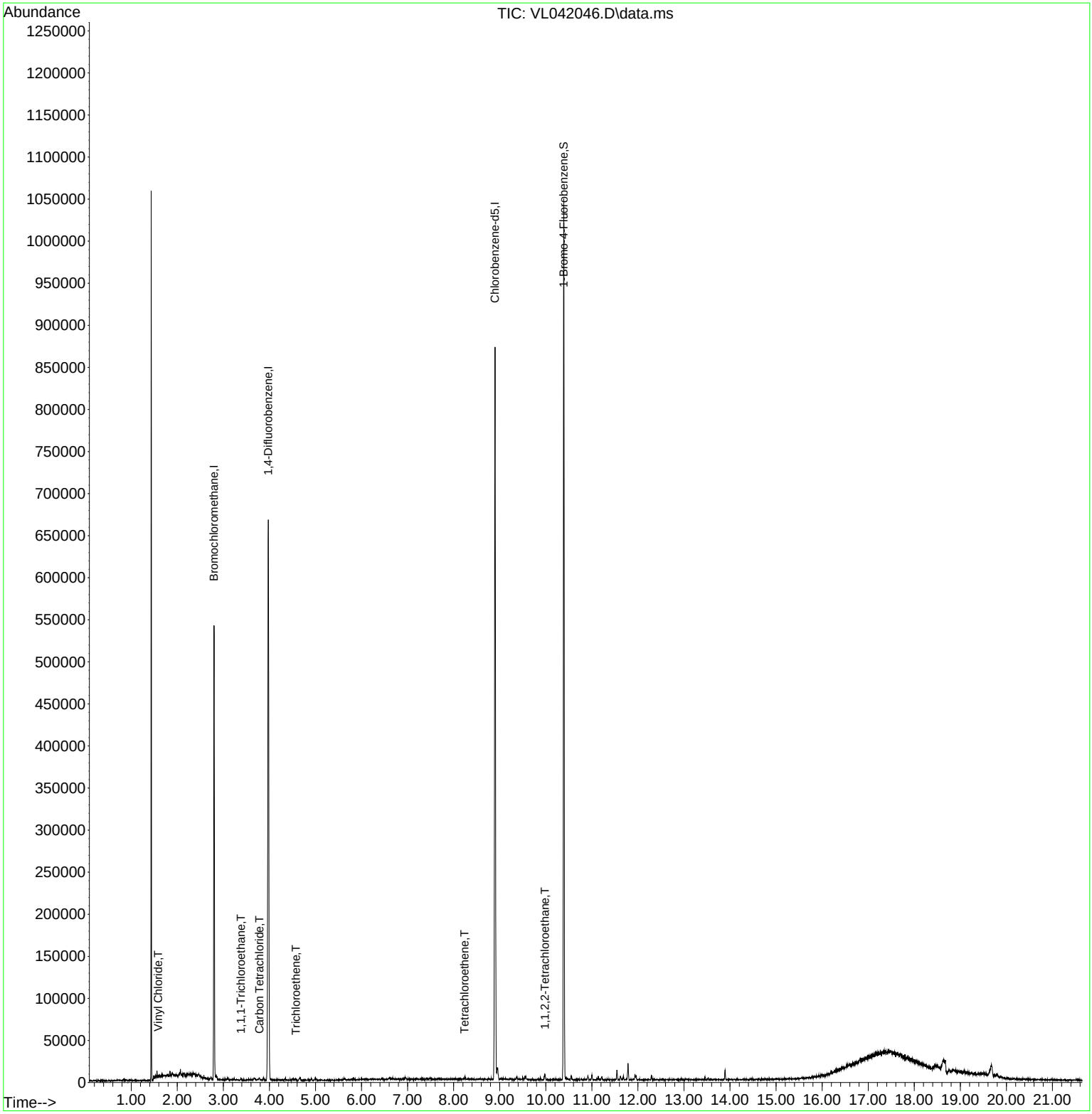
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042046.D
Acq On : 25 Feb 2025 11:34
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

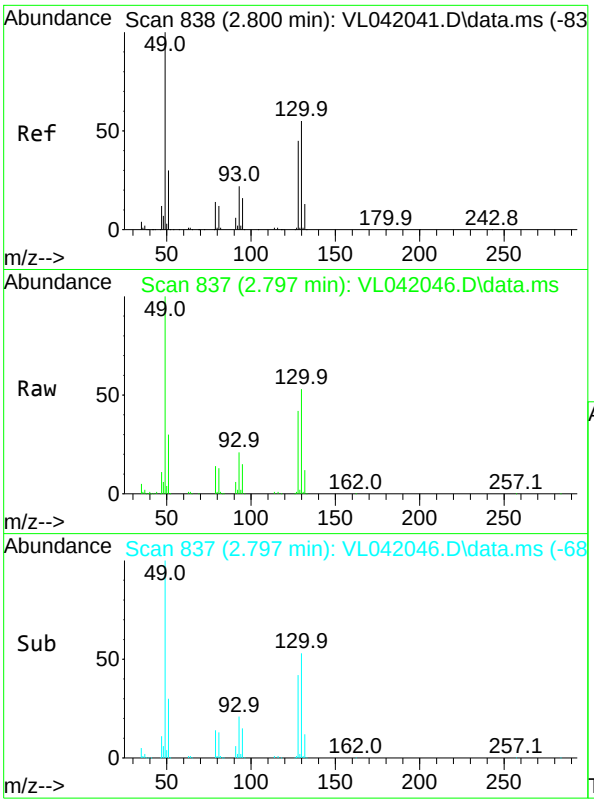
Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

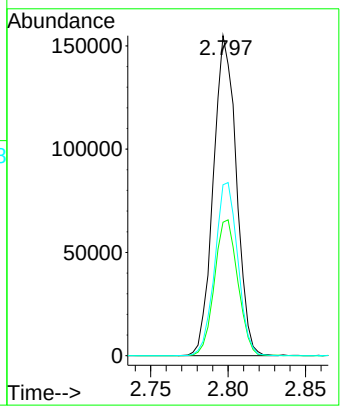




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 49 Resp: 16015

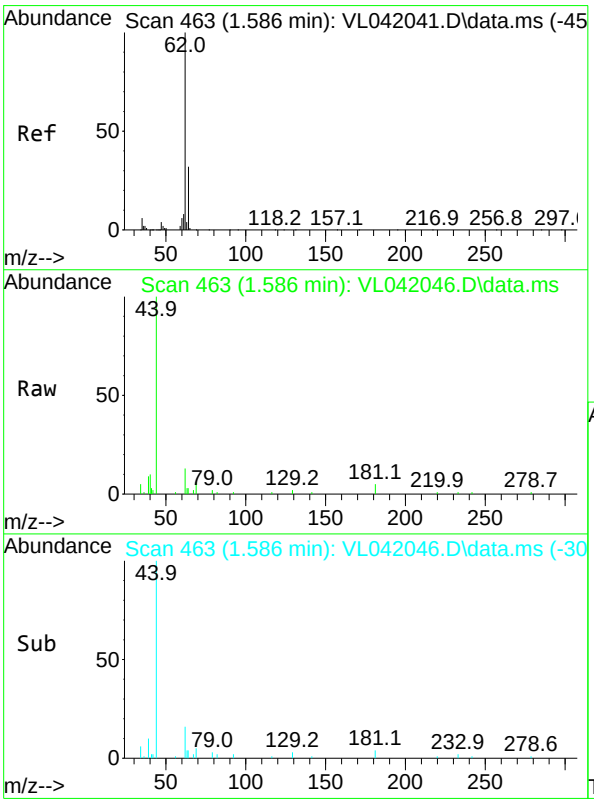
Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.6	64.8
130	53.9	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

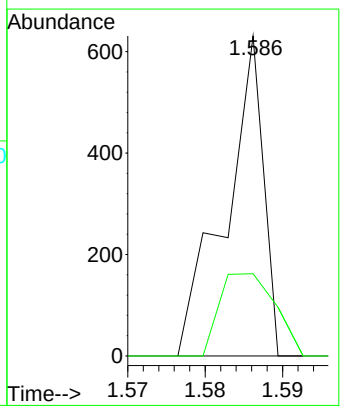
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

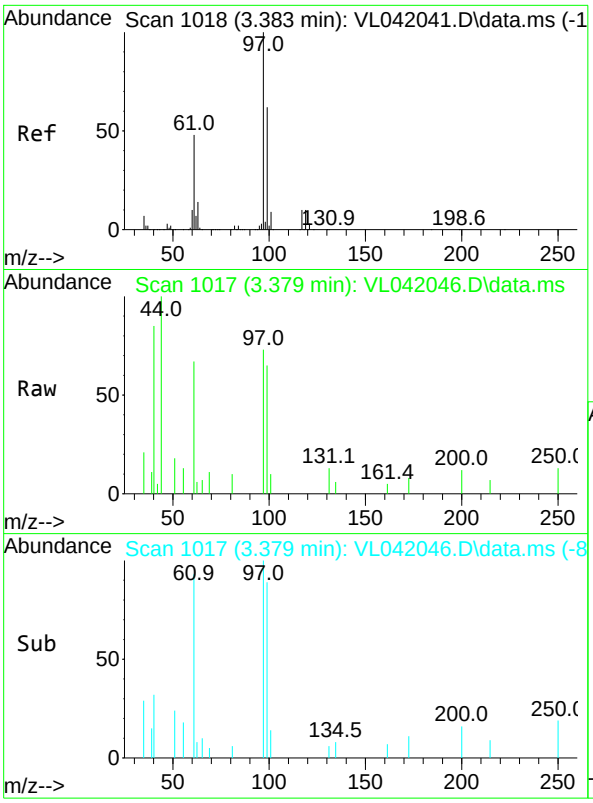


#5
Vinyl Chloride
Concen: 0.017 ppbv
RT: 1.586 min Scan# 463
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 62 Resp: 215

Ion	Ratio	Lower	Upper
62	100		
64	25.7	25.3	37.9

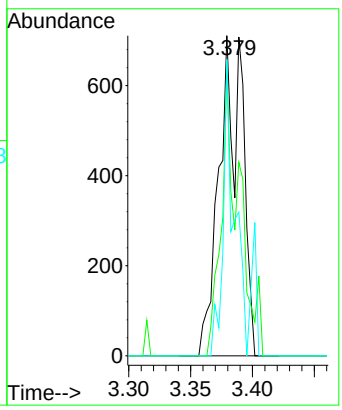




#32
1,1,1-Trichloroethane
Concen: 0.020 ppbv m
RT: 3.379 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 97 Resp: 92

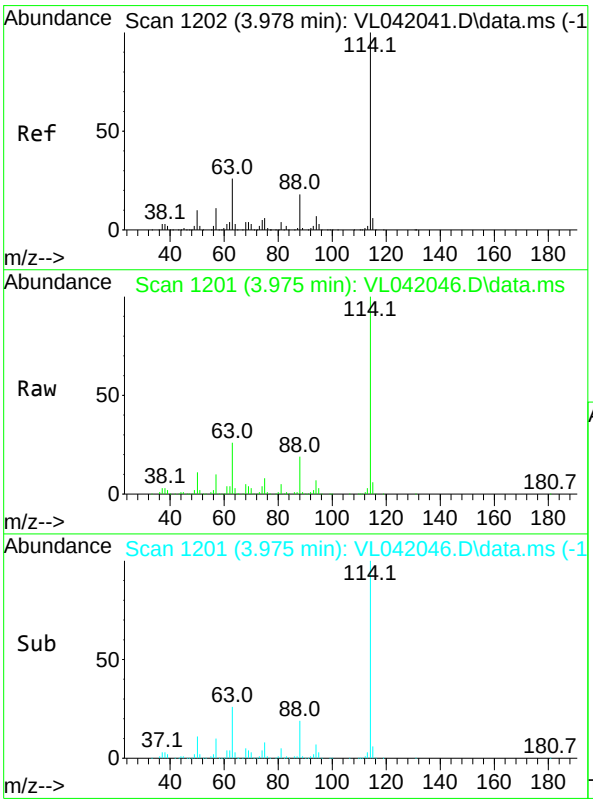
Ion	Ratio	Lower	Upper
97	100		
99	71.2	49.8	74.6
61	54.6	38.9	58.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

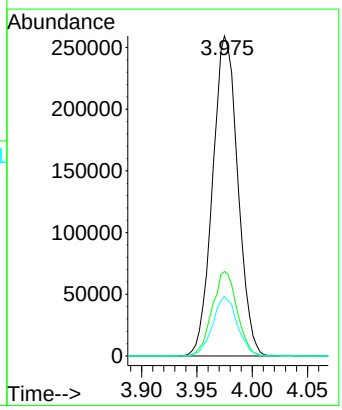
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

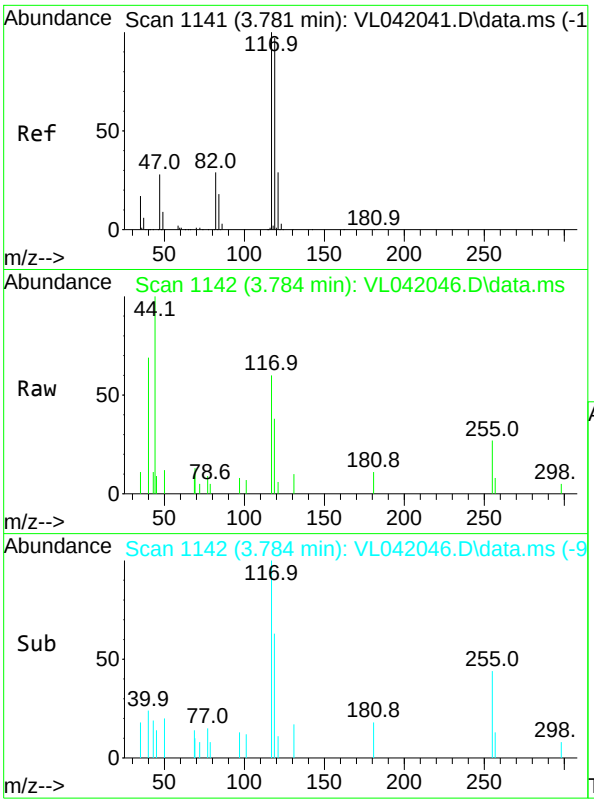


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:114 Resp: 410900

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.1	30.1
88	18.1	14.3	21.5

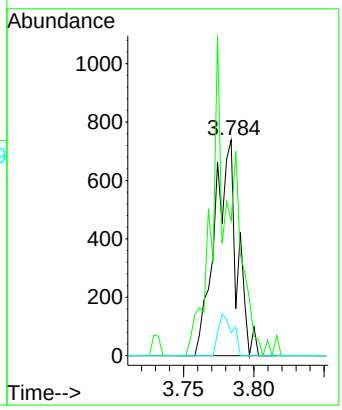




#35
Carbon Tetrachloride
Concen: 0.021 ppbv m
RT: 3.784 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:117 Resp: 81

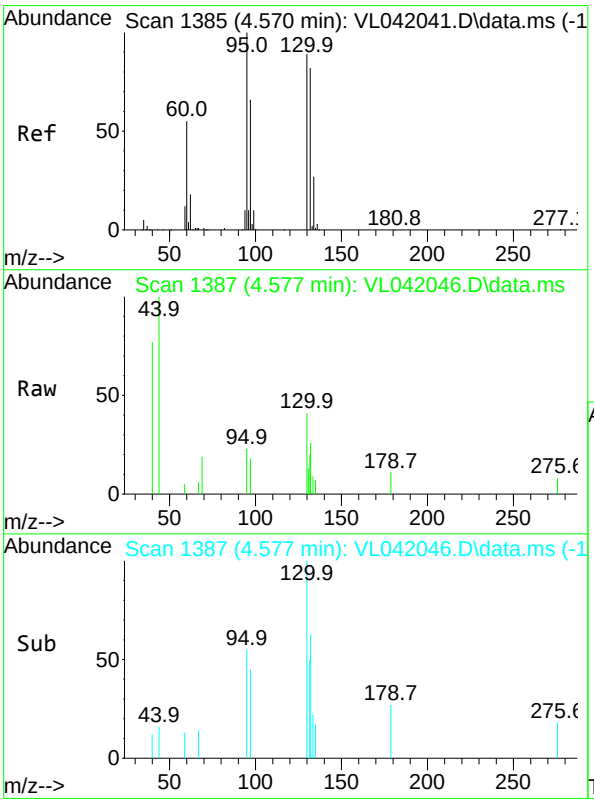
Ion	Ratio	Lower	Upper
117	100		
119	62.7	77.8	116.8#
121	10.6	23.4	35.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

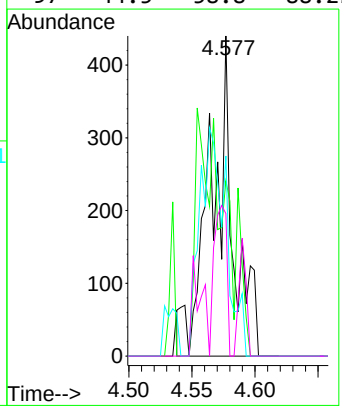
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

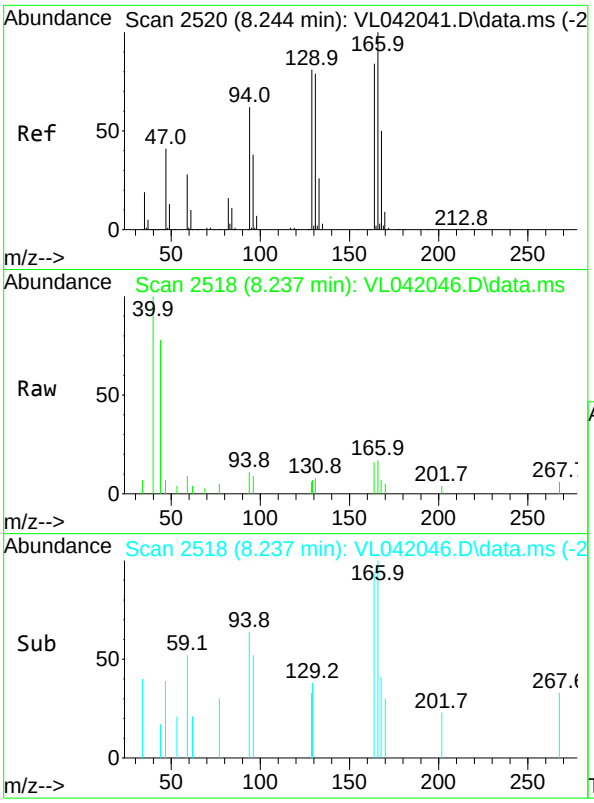


#38
Trichloroethene
Concen: 0.027 ppbv m
RT: 4.577 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:130 Resp: 551

Ion	Ratio	Lower	Upper
130	100		
95	54.8	89.5	134.3#
132	62.5	73.8	110.6#
97	44.5	58.8	88.2#

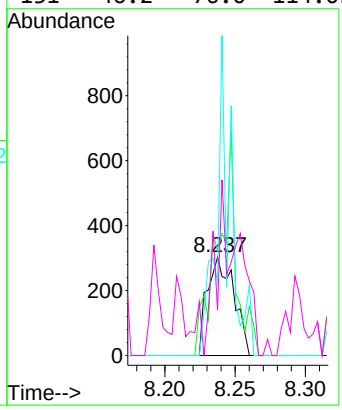




#52
Tetrachloroethene
Concen: 0.023 ppbv m
RT: 8.237 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:164 Resp: 39

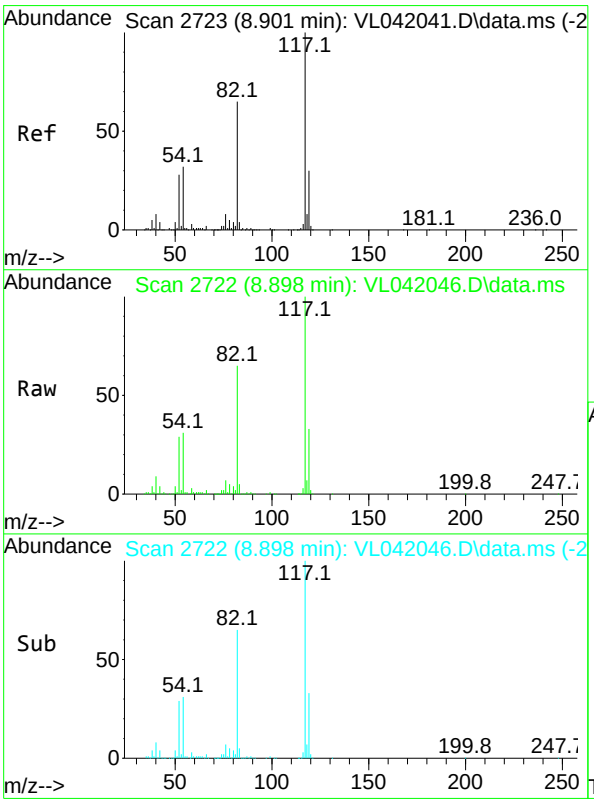
Ion	Ratio	Lower	Upper
164	100		
166	106.3	95.7	143.5
129	40.3	77.1	115.7#
131	46.2	76.0	114.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

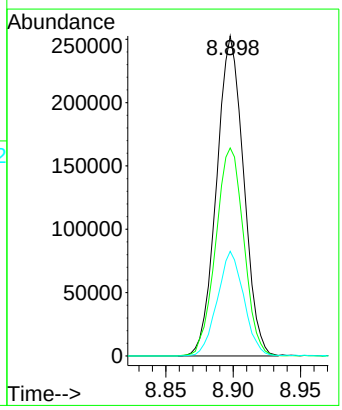
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

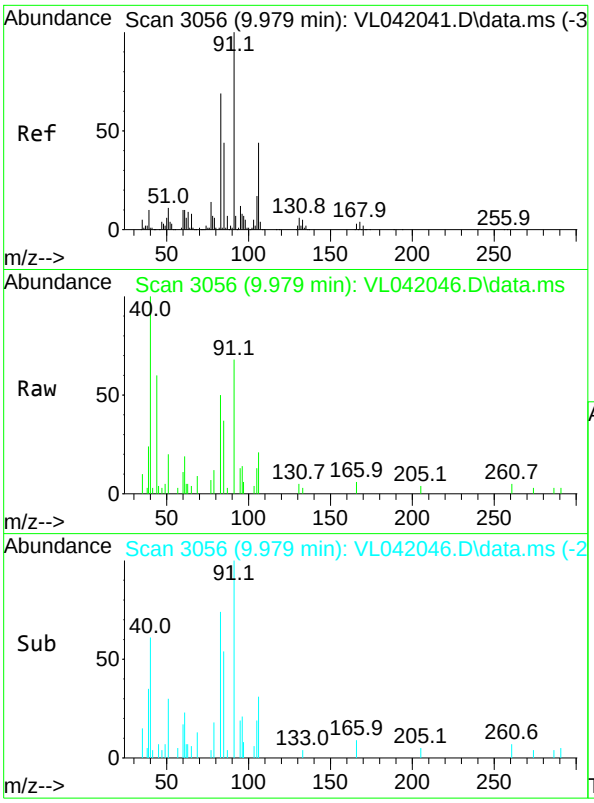


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:117 Resp: 353154

Ion	Ratio	Lower	Upper
117	100		
82	67.3	55.0	82.6
119	32.2	25.9	38.9

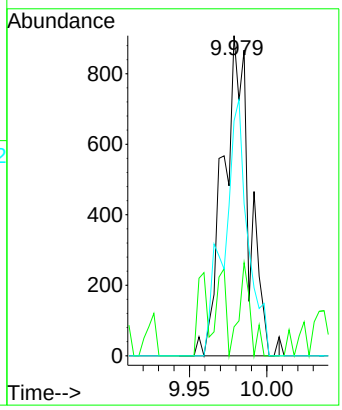




#63
1,1,2,2-Tetrachloroethane
Concen: 0.027 ppbv m
RT: 9.979 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 83 Resp: 105

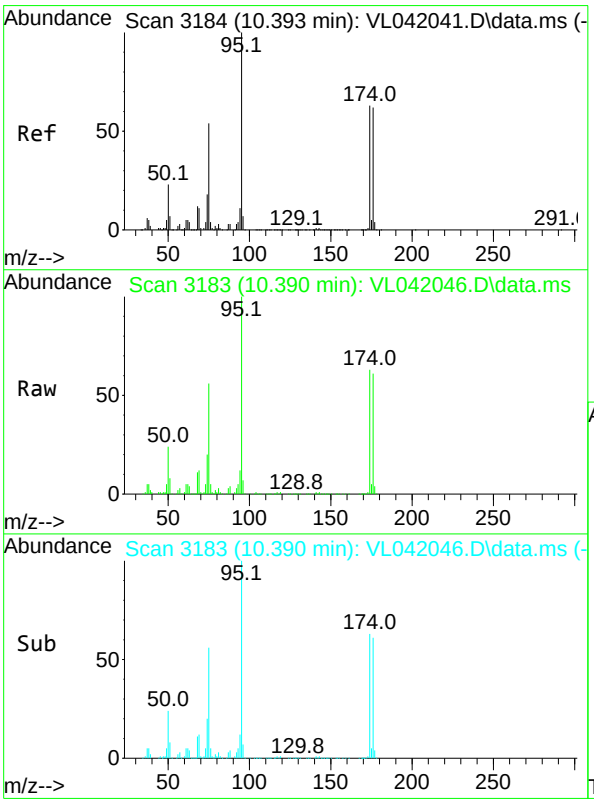
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.7#
85	0.0	32.1	96.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

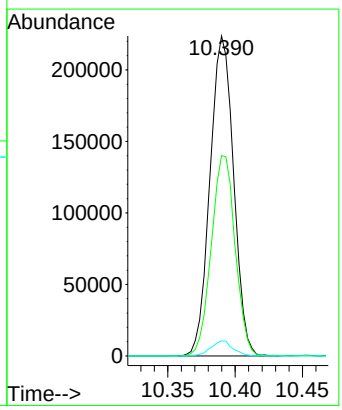
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.368 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 95 Resp: 272906

Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.8	77.6
175	4.5	3.9	5.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	159015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	401919	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	351637	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	273846	9.441	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	231978	8.474	ppbv	99
3) Chlorodifluoromethane	1.479	51	324821	10.733	ppbv	100
4) Chloromethane	1.537	50	82097	7.718	ppbv	98
5) Vinyl Chloride	1.586	62	81863	6.436	ppbv	99
6) Bromomethane	1.673	94	39366	7.983	ppbv	97
7) Chloroethane	1.709	64	33329	8.039	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	188716	7.837	ppbv	98
9) Propene	1.489	41	133086	10.201	ppbv	97
10) Heptane	5.004	43	400418	11.052	ppbv	99
11) Trichlorofluoromethane	1.884	101	230938	8.383	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	184306	8.579	ppbv	99
13) Ethanol	1.725	45	4281	2.909	ppbv	100
14) Bromoethene	1.787	108	65496	8.164	ppbv	99
15) Acetone	1.842	43	172538	6.574	ppbv	98
16) 1,3-Butadiene	1.615	39	87490	7.027	ppbv	100
17) tert-Butyl alcohol	2.049	59	239569	7.377	ppbv	98
18) 1,1-Dichloroethene	2.042	96	80535	7.845	ppbv	98
19) Isopropyl Alcohol	1.894	45	102365	6.955	ppbv	99
20) Methylene Chloride	2.068	84	66282	6.709	ppbv	98
21) Allyl Chloride	2.104	41	140726	7.406	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	94321	8.466	ppbv	95
23) Vinyl Acetate	2.473	43	139727	9.831	ppbv	99
24) 1,1-Dichloroethane	2.418	63	180882	7.997	ppbv	99
25) Ethyl Acetate	2.848	43	767353	10.652	ppbv	99
26) Hexane	2.839	57	306864	10.615	ppbv	99
27) Carbon Disulfide	2.159	76	224609	8.261	ppbv	98
28) Methyl tert-Butyl Ether	2.453	73	168058	9.510	ppbv	98
29) Chloroform	2.861	83	409240	9.774	ppbv	100
30) Cyclohexane	3.874	84	256687	10.946	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	299324	10.476	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	417615	8.994	ppbv	98
34) 2-Butanone	2.570	43	457602	13.234	ppbv	98
35) Carbon Tetrachloride	3.780	117	410730	10.524	ppbv	96
36) Benzene	3.674	78	602107	12.367	ppbv	97
37) 1,2-Dichloroethane	3.233	62	335275	12.097	ppbv	99
38) Trichloroethene	4.573	130	228298	11.542	ppbv	98
39) 1,2-Dichloropropane	4.337	63	228418	12.797	ppbv	98
40) 1,4-Dioxane	4.609	88	104519	11.253	ppbv #	96
41) Tetrahydrofuran	3.068	42	271202	13.724	ppbv	100
42) Bromodichloromethane	4.512	83	461272	12.285	ppbv	96
43) Methyl Methacrylate	4.907	69	246468	11.105	ppbv	97
44) 2,2,4-Trimethylpentane	4.667	57	1054880	12.763	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	249612	11.914	ppbv	95

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	317266	11.935	ppbv		98
47) 1,1,2-Trichloroethane	6.609	97	226021	12.032	ppbv		95
48) Dibromochloromethane	7.412	129	369666	11.750	ppbv		99
49) Bromoform	9.503	173	317322	12.297	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	650307	12.237	ppbv		99
51) 2-Hexanone	7.461	43	530165	12.198	ppbv	#	100
52) Tetrachloroethene	8.247	164	203233	11.968	ppbv		94
53) Toluene	6.959	91	673822	11.615	ppbv		99
54) 1,2-Dibromoethane	7.677	107	309982	11.985	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.946	131	276326	10.979	ppbv		99
57) Chlorobenzene	8.943	112	494606	11.957	ppbv		98
58) Ethyl Benzene	9.373	91	922265	11.984	ppbv		100
59) m/p-Xylene	9.571	91	1456036m	24.020	ppbv		
60) o-Xylene	9.982	91	712735	11.626	ppbv		99
61) Styrene	9.888	104	363855	12.446	ppbv		99
62) Isopropylbenzene	10.558	105	1068777	11.612	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.982	83	459839	11.626	ppbv		100
64) n-propylbenzene	11.005	120	282364	12.486	ppbv		99
65) tert-Butylbenzene	11.548	119	924810	11.526	ppbv		99
66) Benzyl Chloride	11.633	91	78975	9.819	ppbv		98
67) sec-Butylbenzene	11.785	105	1315730	11.674	ppbv		99
69) p-Isopropyltoluene	11.940	119	1084253	11.752	ppbv		99
70) n-Butylbenzene	12.296	91	1118373	12.306	ppbv		99
71) 2-Chlorotoluene	10.917	91	818204	11.804	ppbv		100
72) 4-Ethyltoluene	11.141	105	880883	12.264	ppbv		99
73) 1,3,5-Trimethylbenzene	11.218	105	738619	11.921	ppbv		98
74) 1,2,4-Trimethylbenzene	11.552	105	784701	11.801	ppbv		91
75) 1,3-Dichlorobenzene	11.623	146	465436	13.003	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	467249	13.386	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	449222	13.129	ppbv		98
78) Hexachloro-1,3-Butadiene	13.895	225	351085	12.403	ppbv		100
79) Naphthalene	13.526	128	764990	11.696	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	324431	10.956	ppbv		99
81) 1,2,4-Trichlorobenzene	13.455	180	354990	13.351	ppbv		99

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

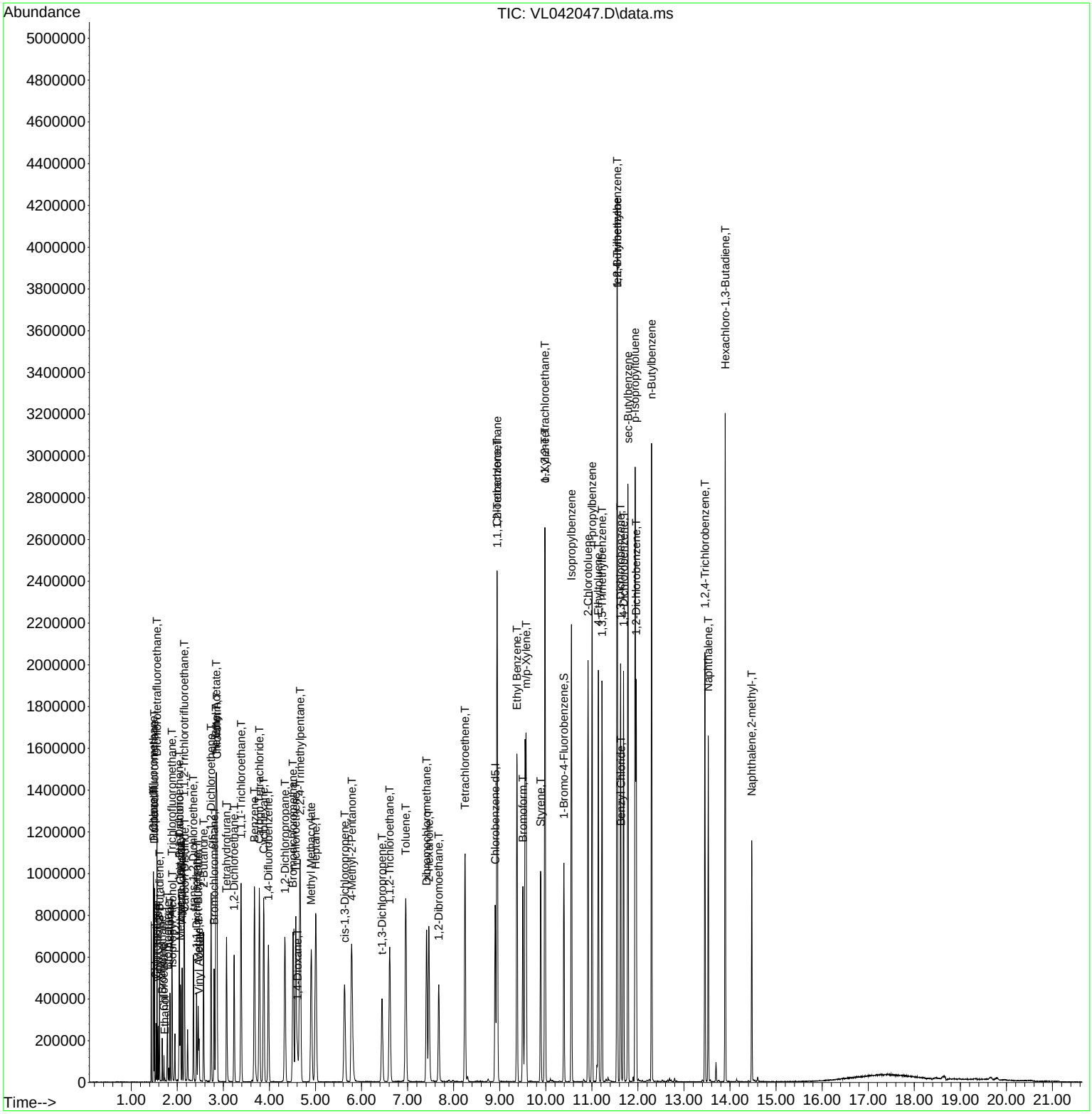
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

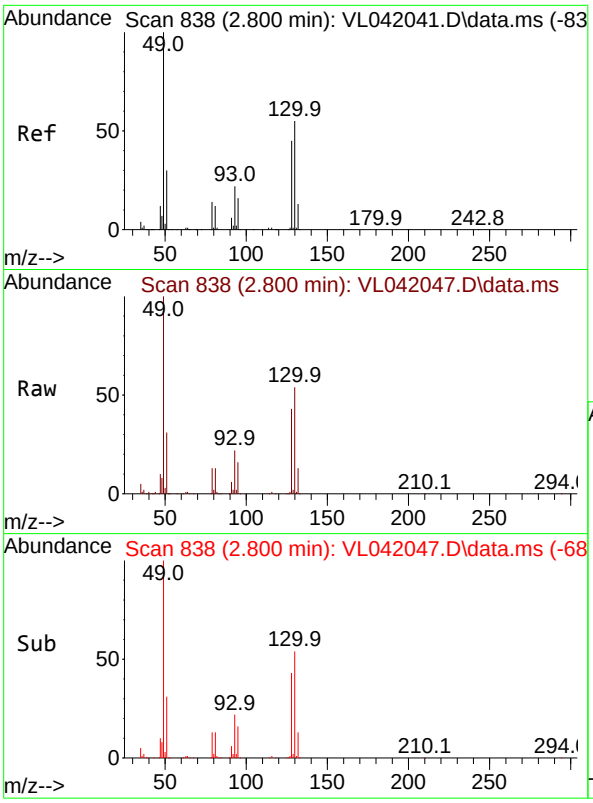
Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

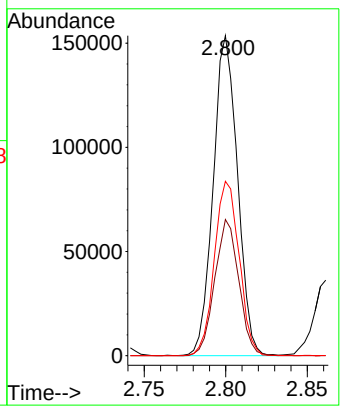




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 49 Resp: 15901

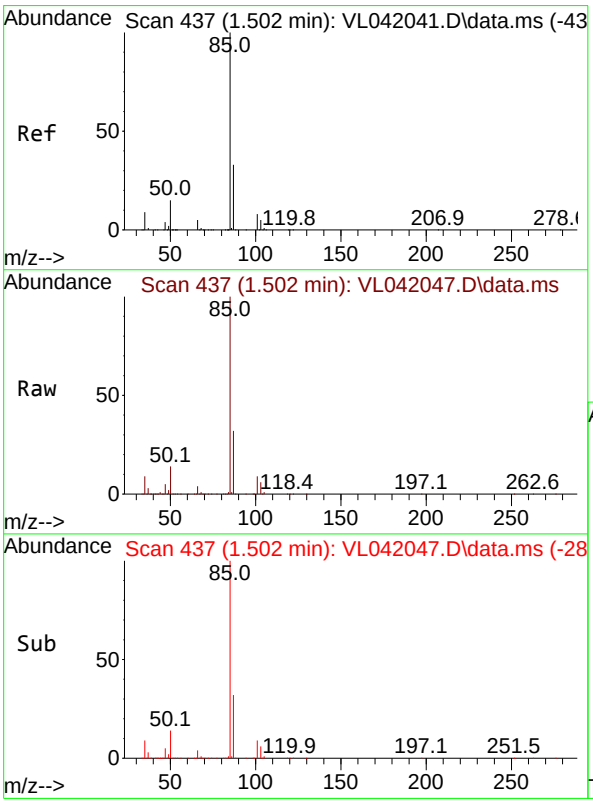
Ion	Ratio	Lower	Upper
49	100		
128	42.1	21.6	64.8
130	55.6	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

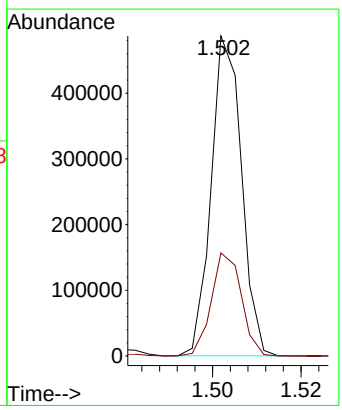
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

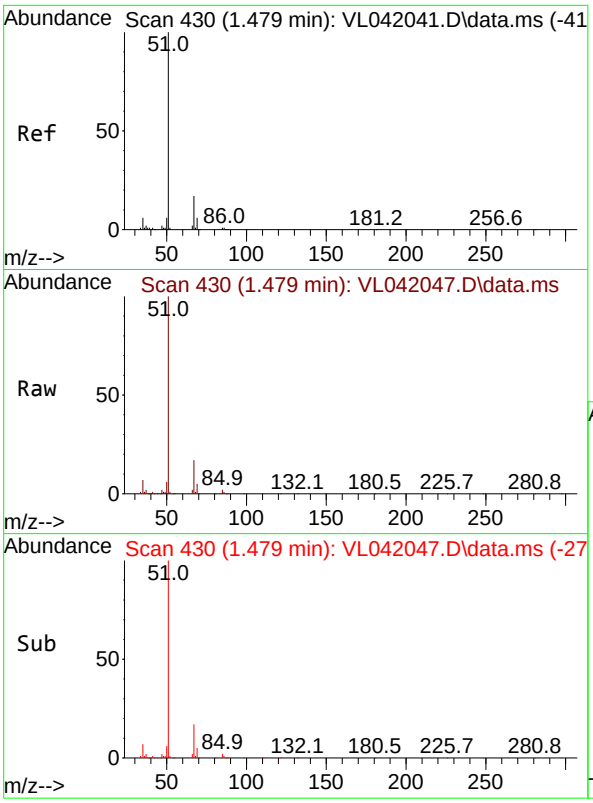


#2
Dichlorodifluoromethane
Concen: 8.474 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 85 Resp: 231978

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.4	39.6

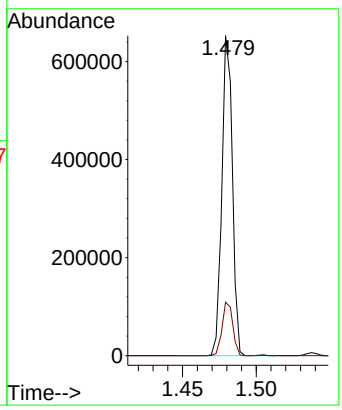




#3
Chlorodifluoromethane
Concen: 10.733 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 51 Resp: 32482

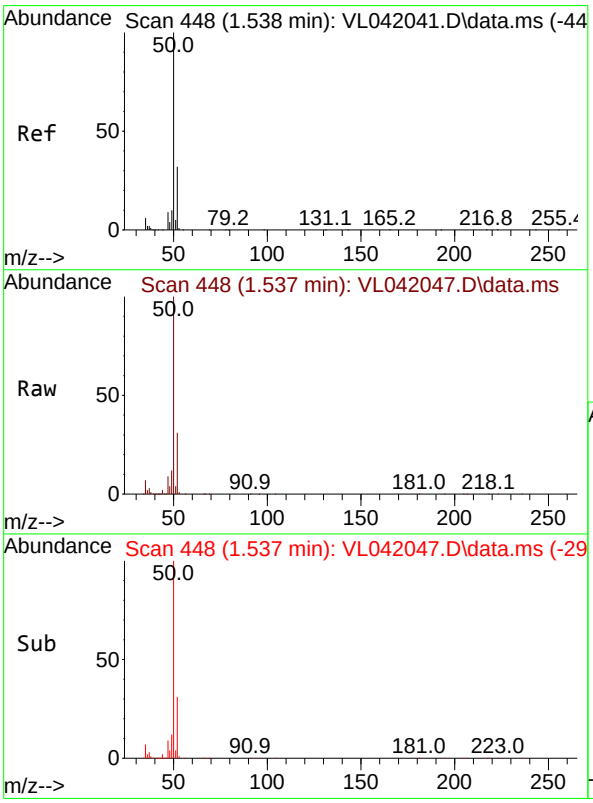
Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

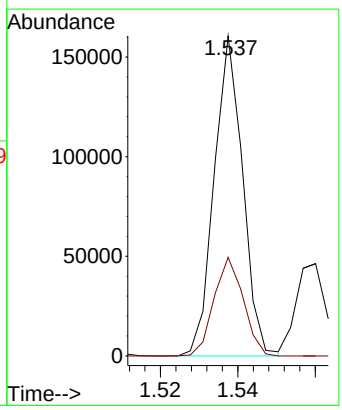
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

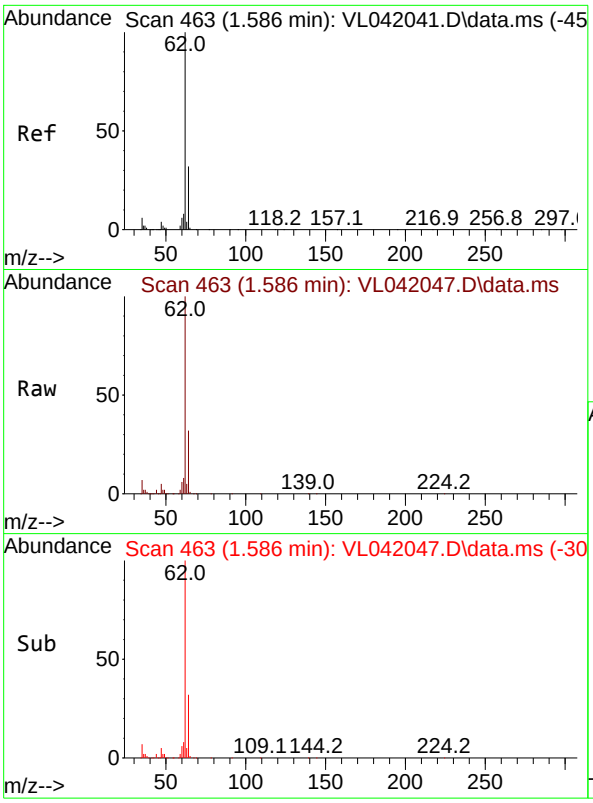


#4
Chloromethane
Concen: 7.718 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 50 Resp: 82097

Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.4	38.0

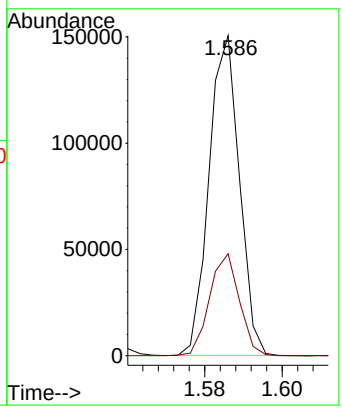




#5
Vinyl Chloride
Concen: 6.436 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 62 Resp: 8186

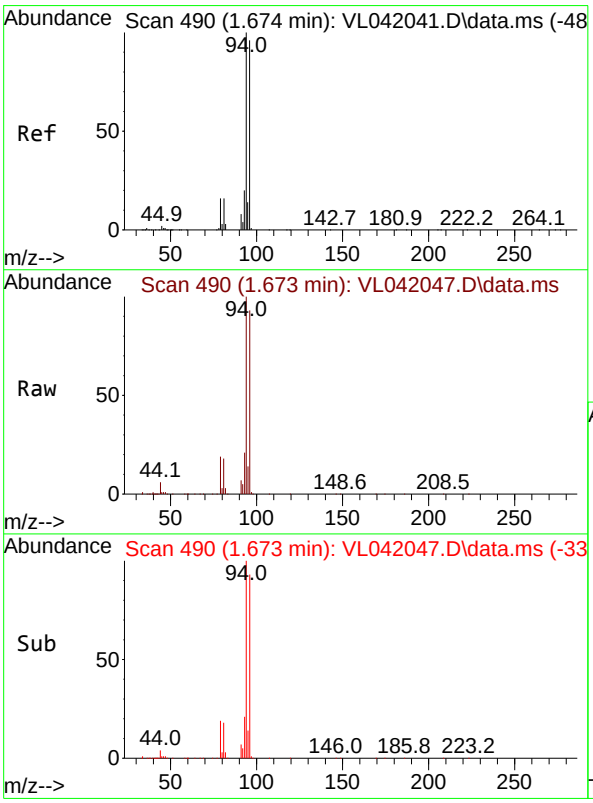
Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.3	37.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

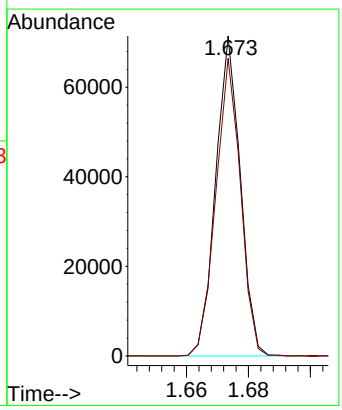
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

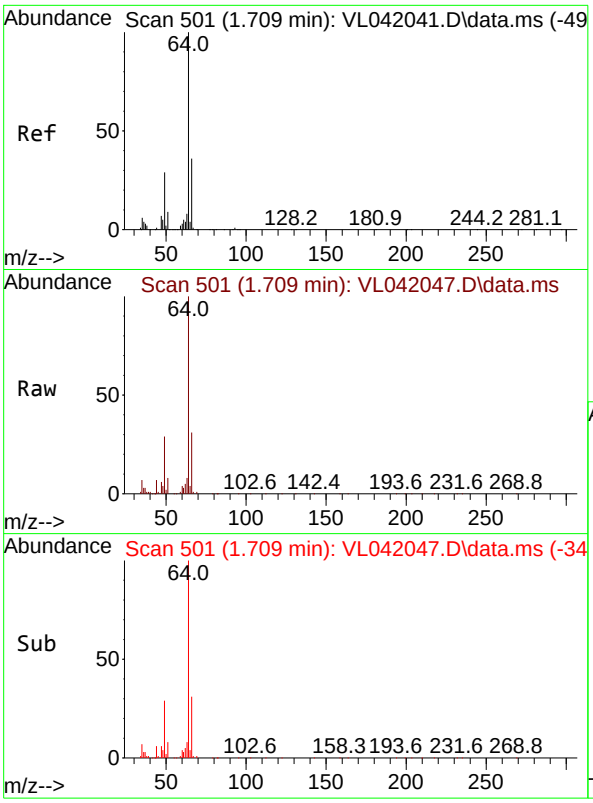


#6
Bromomethane
Concen: 7.983 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 94 Resp: 39366

Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.5	114.7

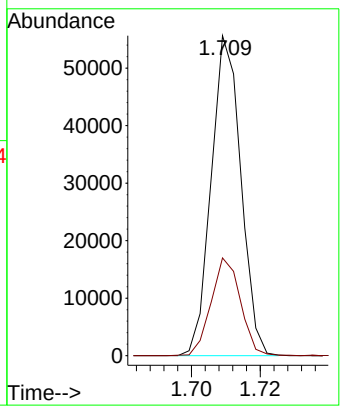




#7
Chloroethane
Concen: 8.039 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 64 Resp: 3332

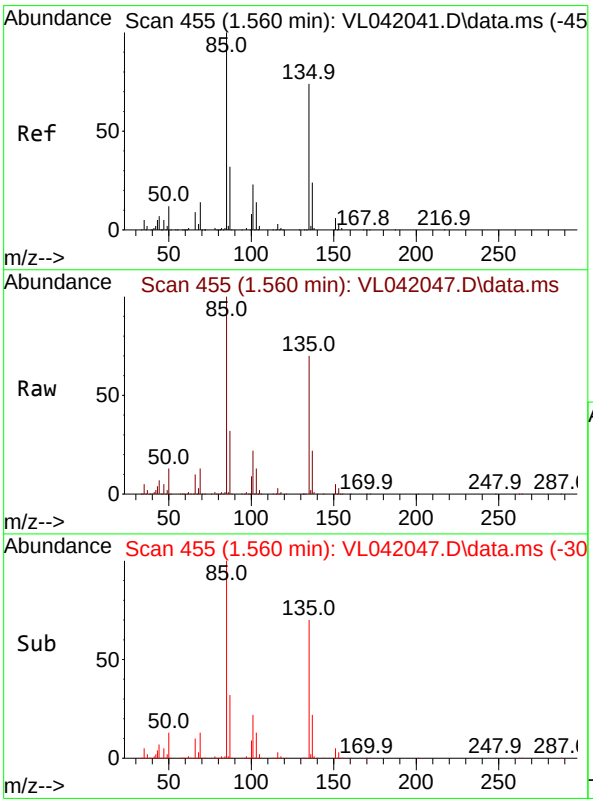
Ion	Ratio	Lower	Upper
64	100		
66	30.6	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

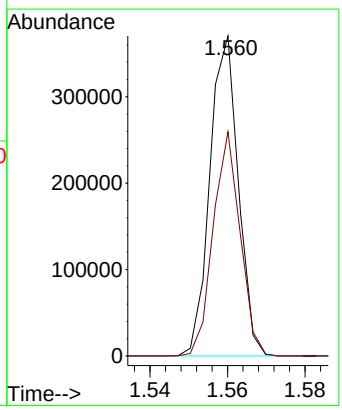
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

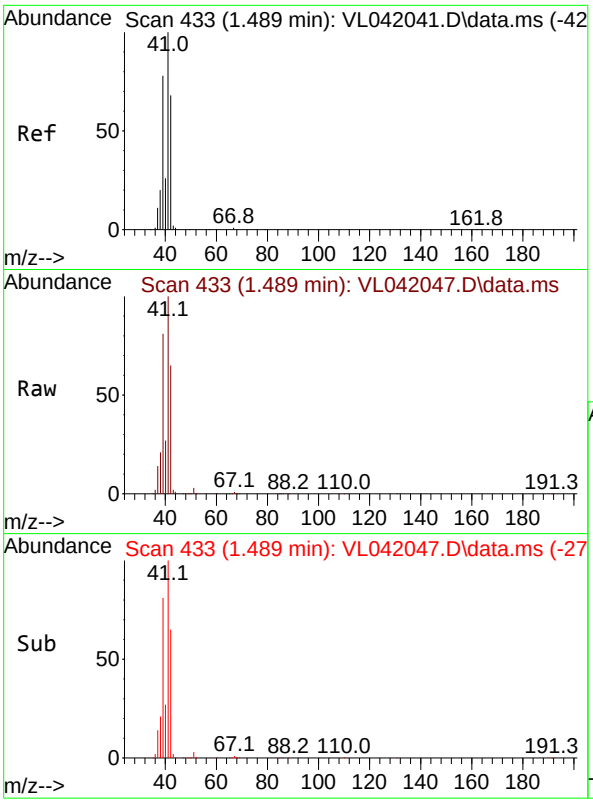


#8
Dichlorotetrafluoroethane
Concen: 7.837 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 85 Resp: 188716

Ion	Ratio	Lower	Upper
85	100		
135	66.5	54.6	81.8

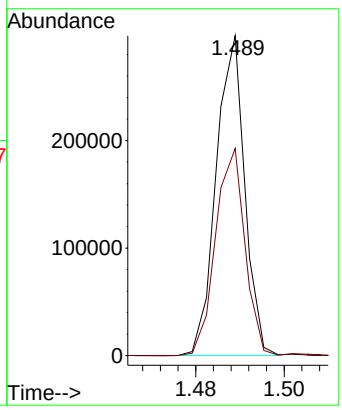




#9
Propene
Concen: 10.201 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 41 Resp: 13308

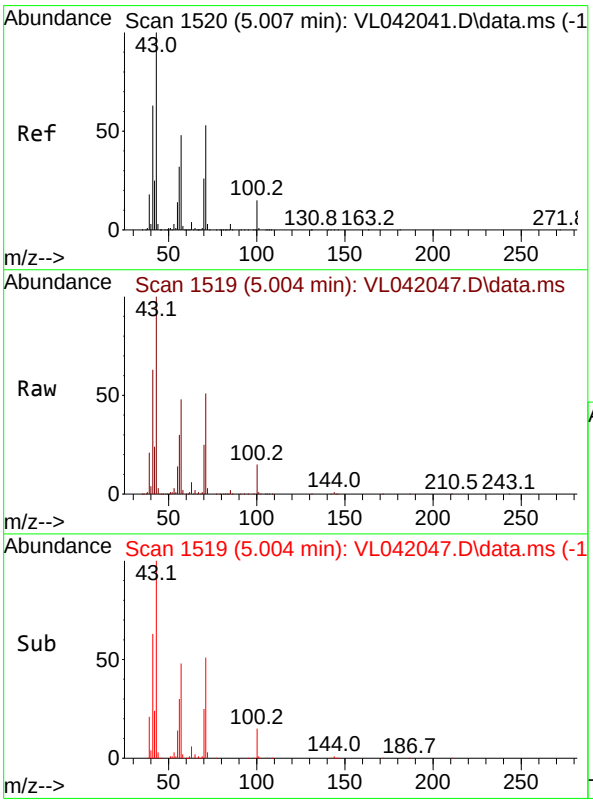
Ion	Ratio	Lower	Upper
41	100		
42	67.4	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

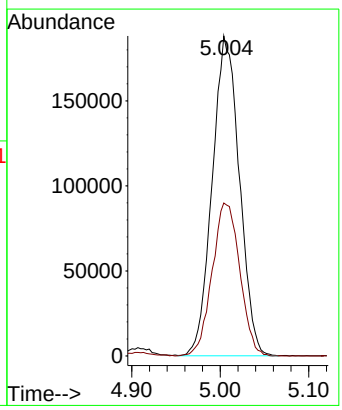
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

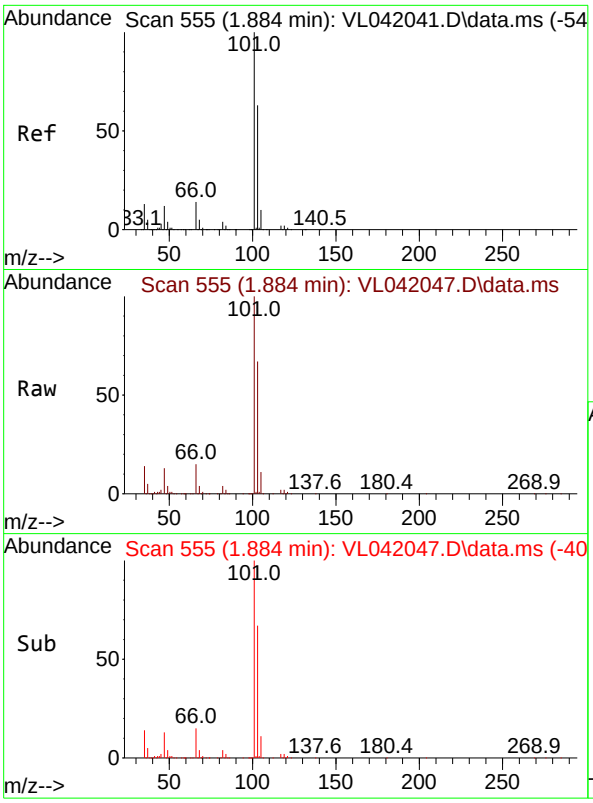


#10
Heptane
Concen: 11.052 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 400418

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.4	59.0

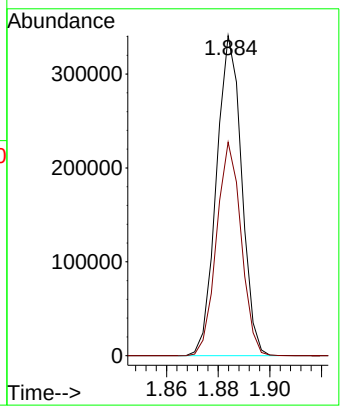




#11
Trichlorofluoromethane
Concen: 8.383 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:101 Resp: 23093

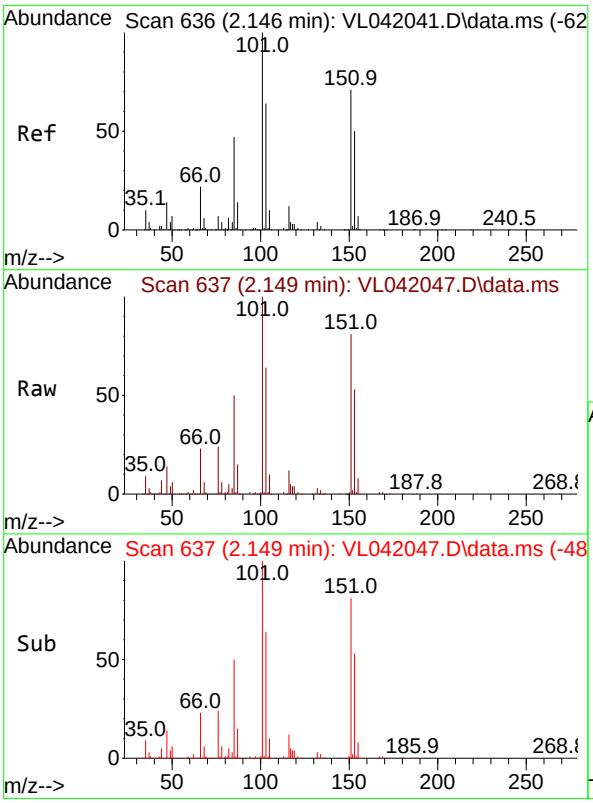
Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.6	75.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

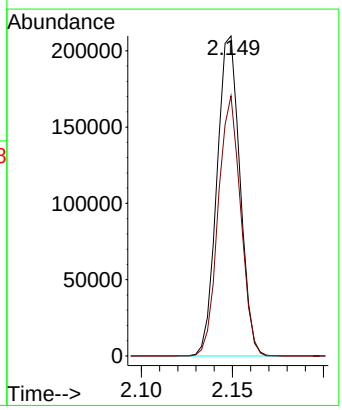
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

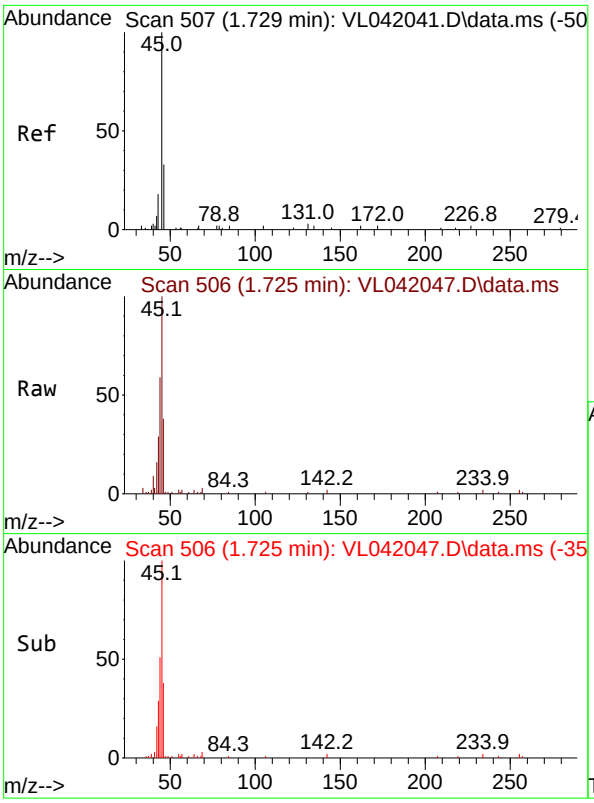


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.579 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:101 Resp: 184306

Ion	Ratio	Lower	Upper
101	100		
151	79.1	62.6	94.0

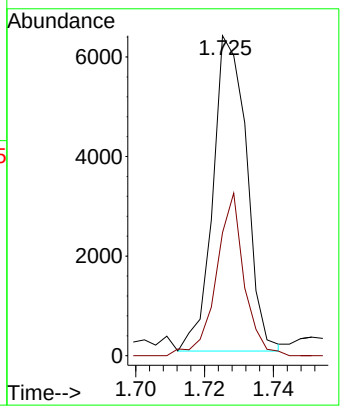




#13
Ethanol
Concen: 2.909 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 45 Resp: 428

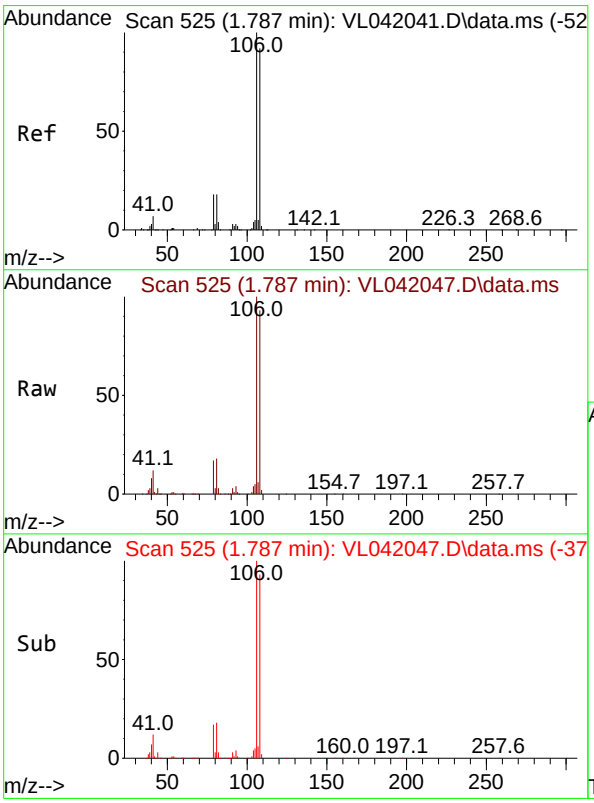
Ion	Ratio	Lower	Upper
45	100		
46	42.7	17.1	68.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

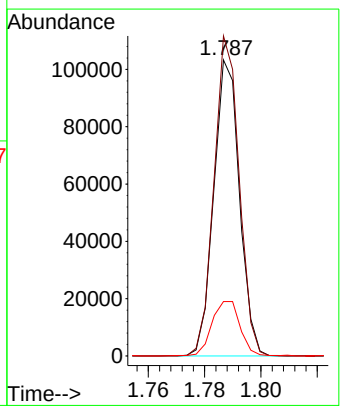
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

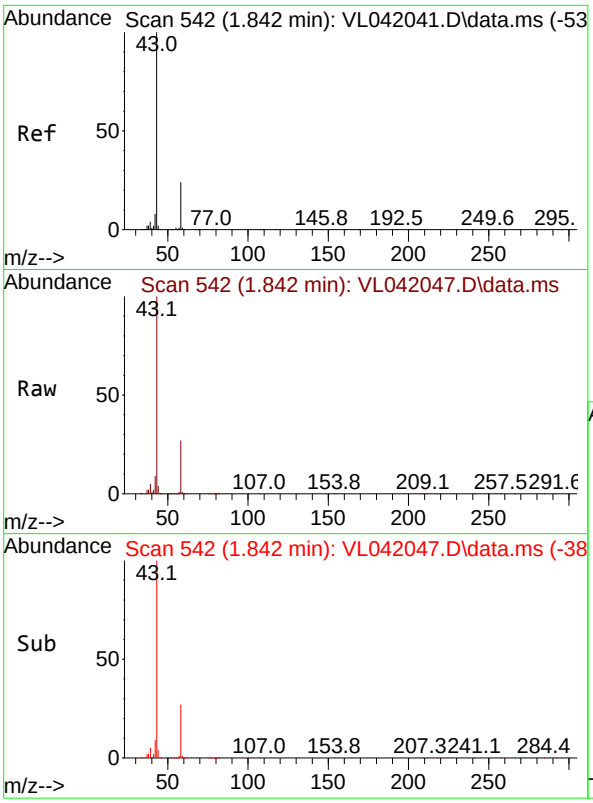


#14
Bromoethene
Concen: 8.164 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:108 Resp: 65496

Ion	Ratio	Lower	Upper
108	100		
106	105.7	85.4	128.0
79	20.5	16.5	24.7

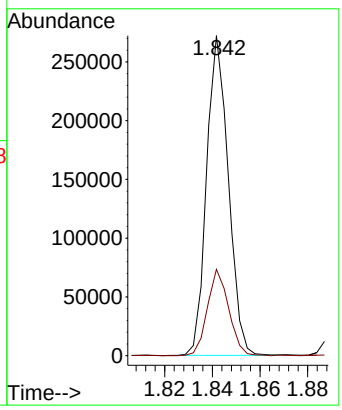




#15
Acetone
Concen: 6.574 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 17253

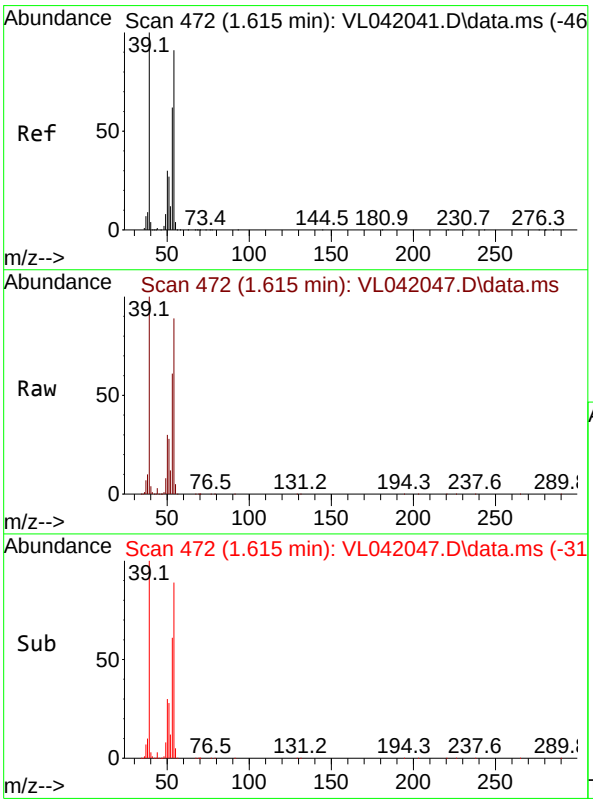
Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

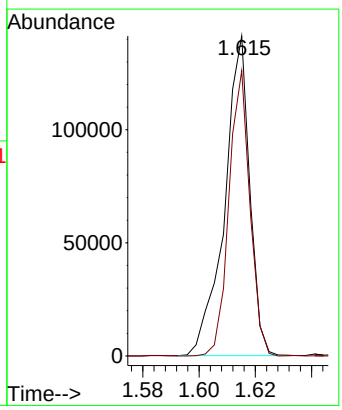
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

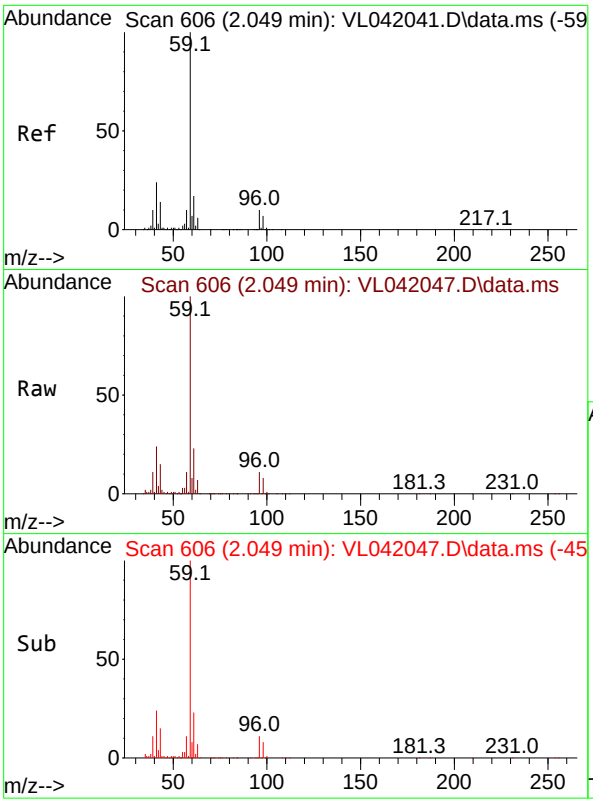


#16
1,3-Butadiene
Concen: 7.027 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 39 Resp: 87490

Ion	Ratio	Lower	Upper
39	100		
54	74.6	59.6	89.4

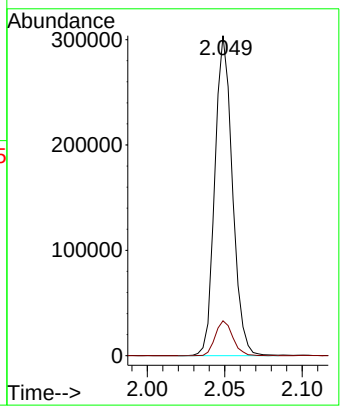




#17
tert-Butyl alcohol
Concen: 7.377 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 59 Resp: 23956

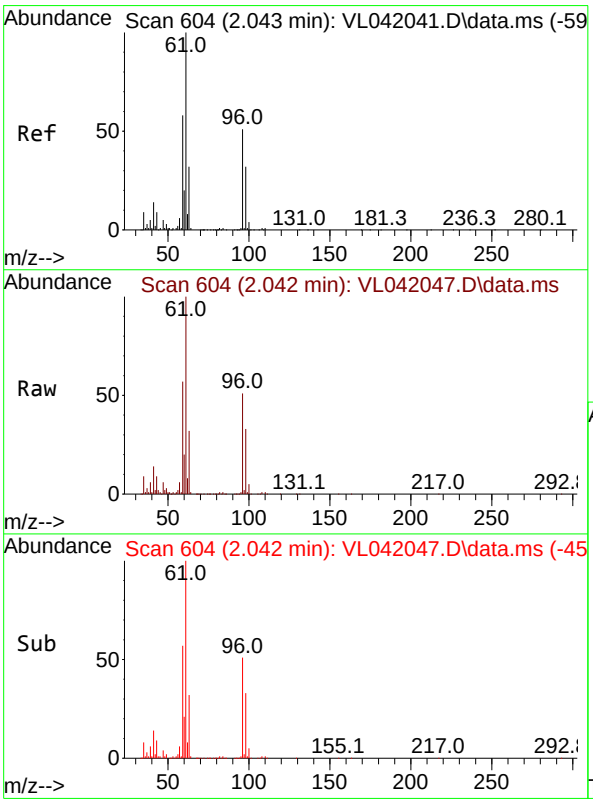
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

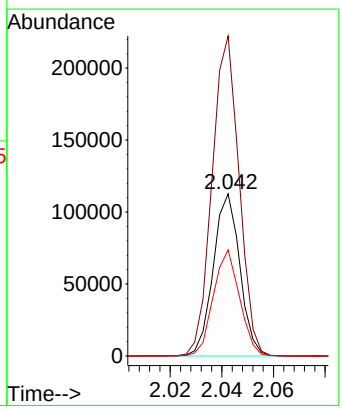
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

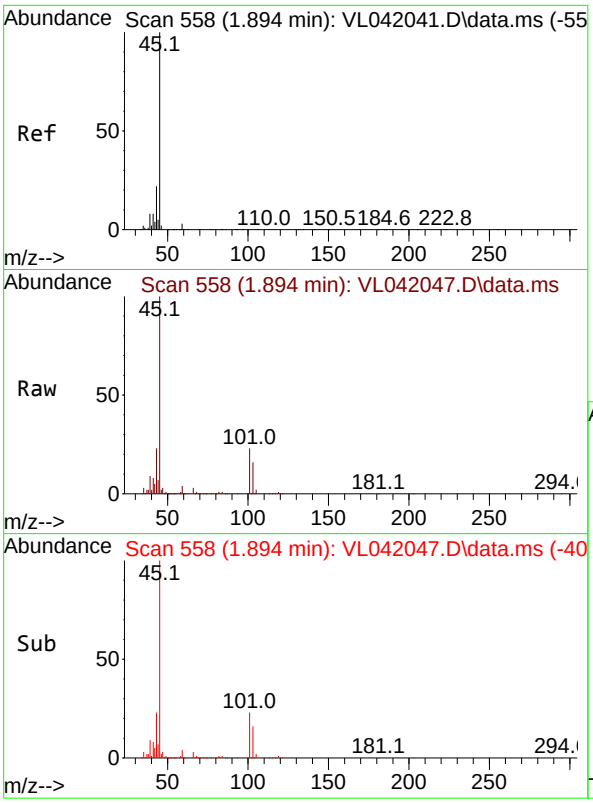


#18
1,1-Dichloroethene
Concen: 7.845 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 96 Resp: 80535

Ion	Ratio	Lower	Upper
96	100		
61	197.3	156.0	234.0
98	65.4	49.4	74.2

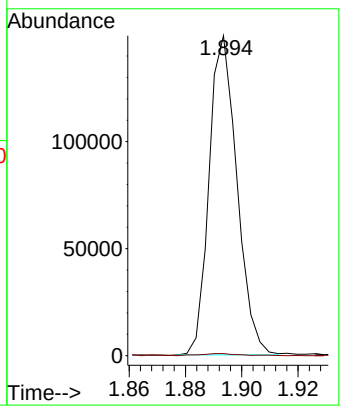




#19
Isopropyl Alcohol
Concen: 6.955 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 45 Resp: 10236

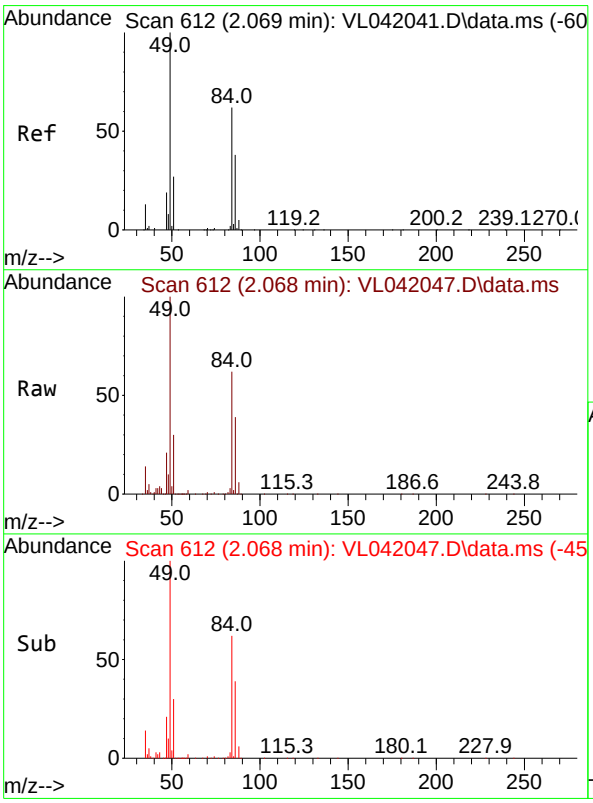
Ion	Ratio	Lower	Upper
45	100		
58	45.1	35.3	52.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

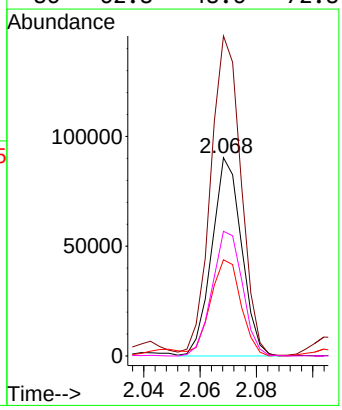
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

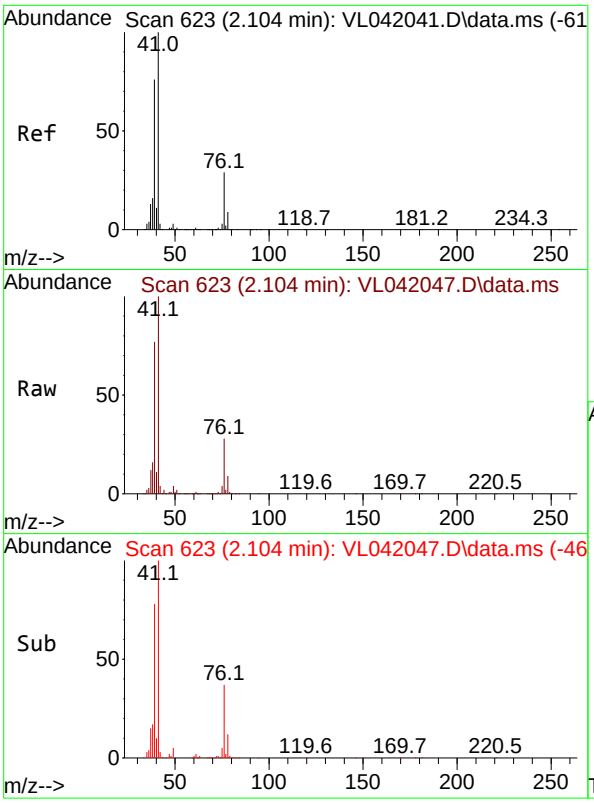


#20
Methylene Chloride
Concen: 6.709 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 84 Resp: 66282

Ion	Ratio	Lower	Upper
84	100		
49	161.0	130.0	195.0
51	48.1	37.4	56.0
86	62.8	48.6	72.8





#21
Allyl Chloride
Concen: 7.406 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

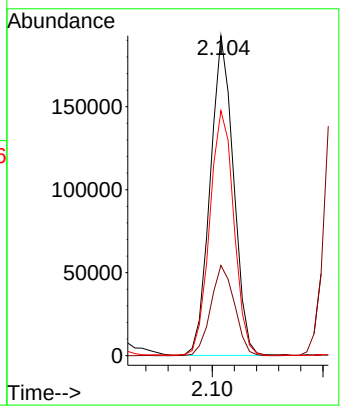
Tgt Ion: 41 Resp: 14072

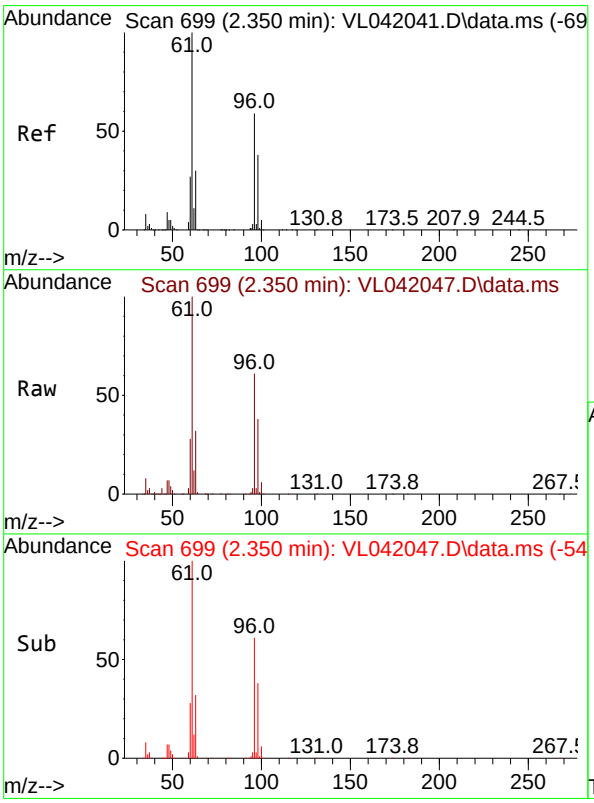
Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.8	35.6
39	79.2	63.8	95.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

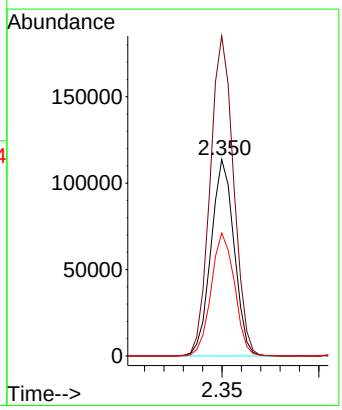


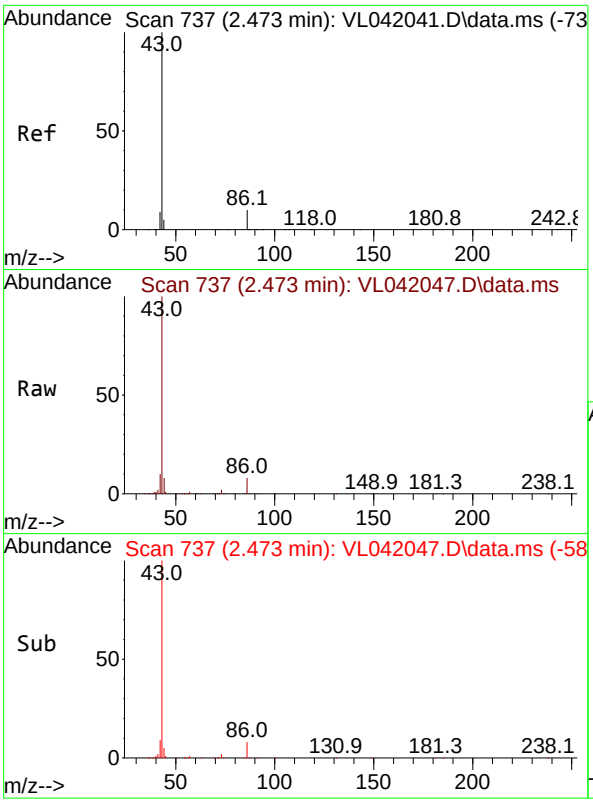


#22
trans-1,2-Dichloroethene
Concen: 8.466 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 96 Resp: 94321

Ion	Ratio	Lower	Upper
96	100		
61	162.9	136.6	205.0
98	62.6	51.8	77.6

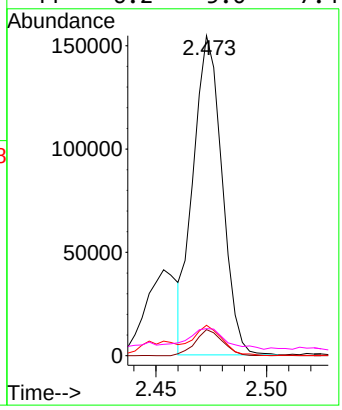




#23
Vinyl Acetate
Concen: 9.831 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 13972

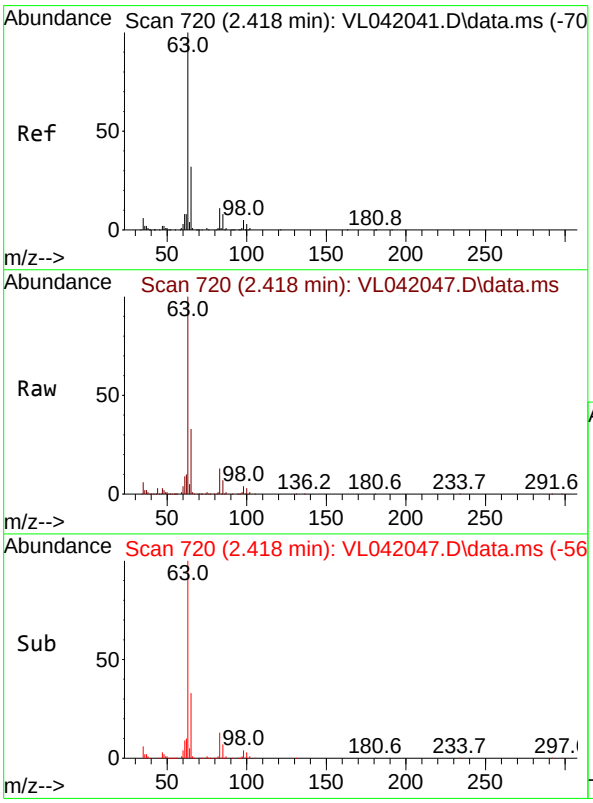
Ion	Ratio	Lower	Upper
43	100		
86	8.1	7.0	10.4
42	9.5	7.6	11.4
44	6.2	5.0	7.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

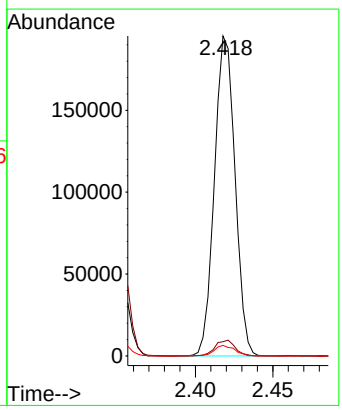
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

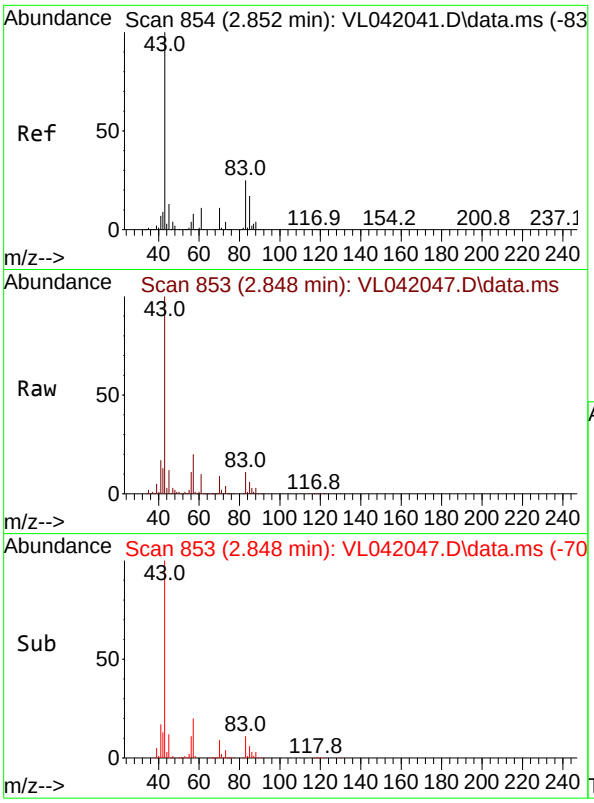


#24
1,1-Dichloroethane
Concen: 7.997 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 63 Resp: 180882

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.2
100	3.3	1.7	5.0

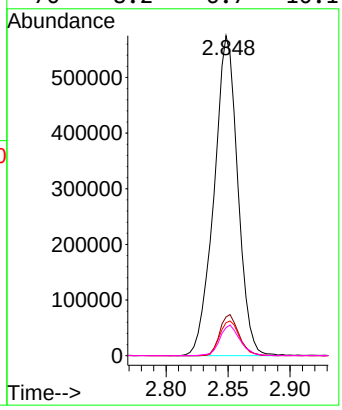




#25
Ethyl Acetate
Concen: 10.652 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 76735

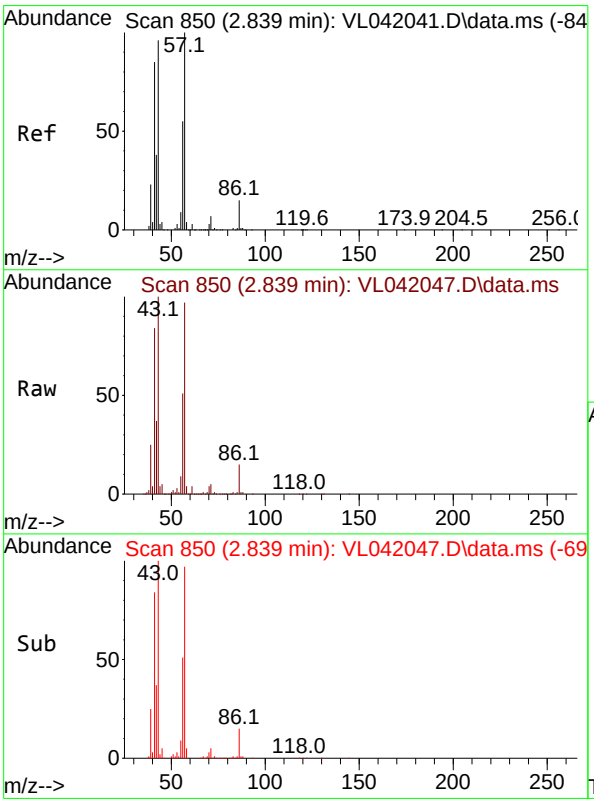
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.1	7.2	10.8
70	8.2	6.7	10.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

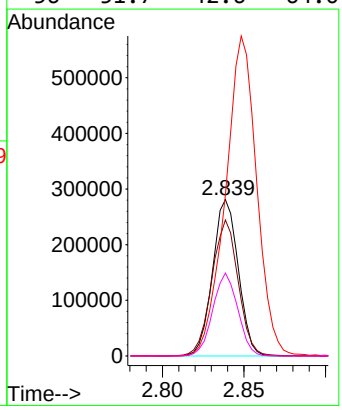
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

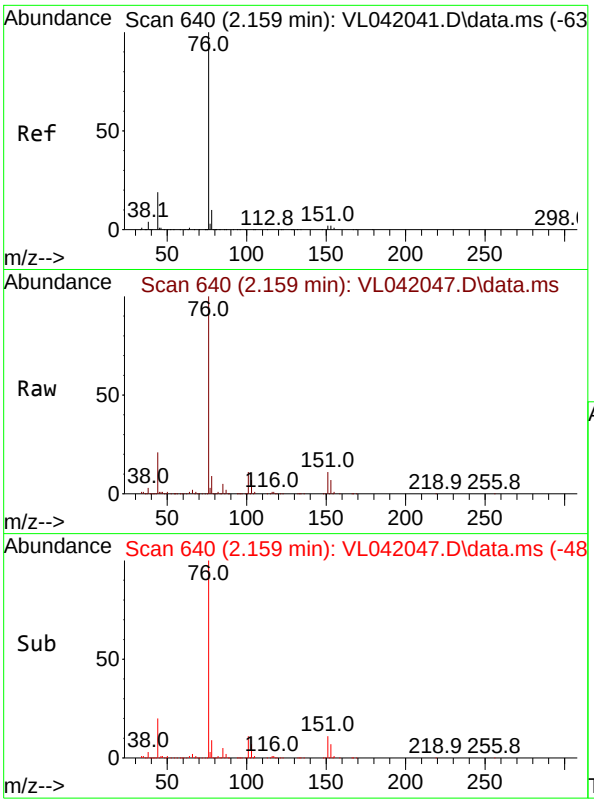


#26
Hexane
Concen: 10.615 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 57 Resp: 306864

Ion	Ratio	Lower	Upper
57	100		
41	89.9	70.6	106.0
43	250.3	199.4	299.0
56	51.7	42.6	64.0





#27
Carbon Disulfide
Concen: 8.261 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

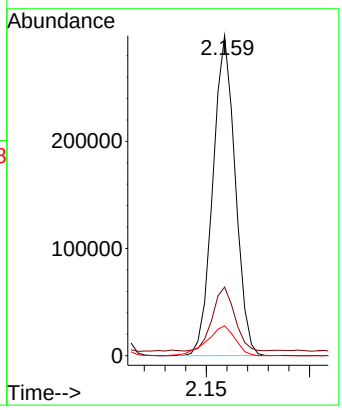
Tgt Ion: 76 Resp: 224609

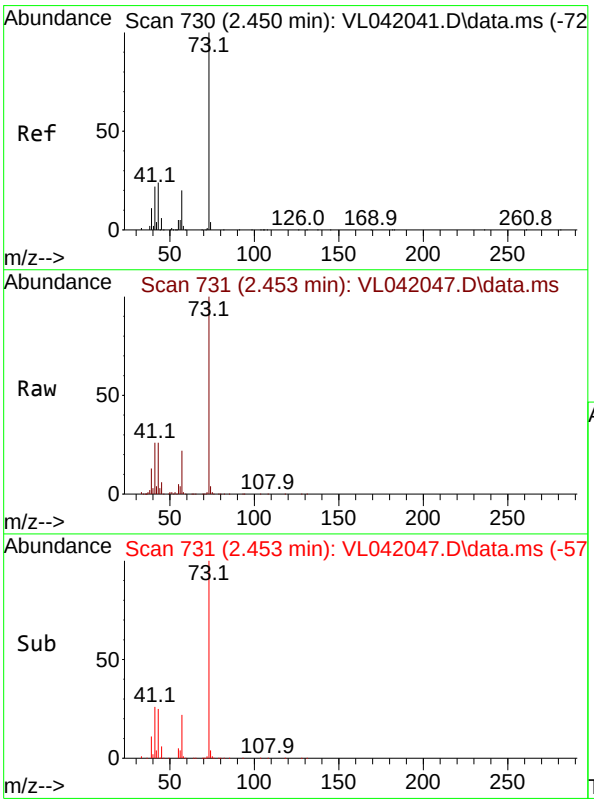
Ion	Ratio	Lower	Upper
76	100		
44	21.3	16.2	24.2
78	11.7	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

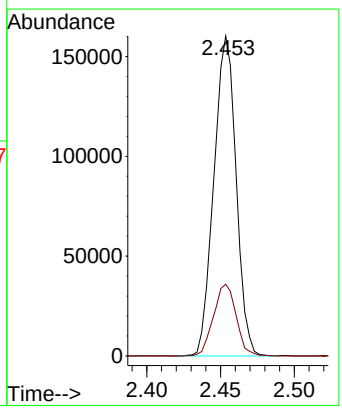


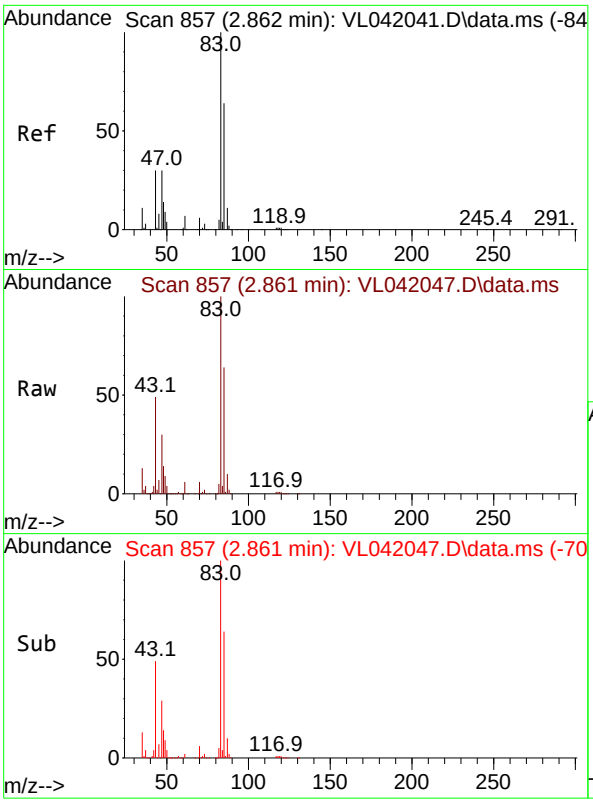


#28
Methyl tert-Butyl Ether
Concen: 9.510 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 73 Resp: 168058

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

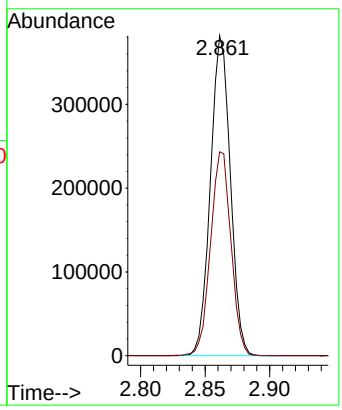




#29
Chloroform
Concen: 9.774 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 83 Resp: 40924

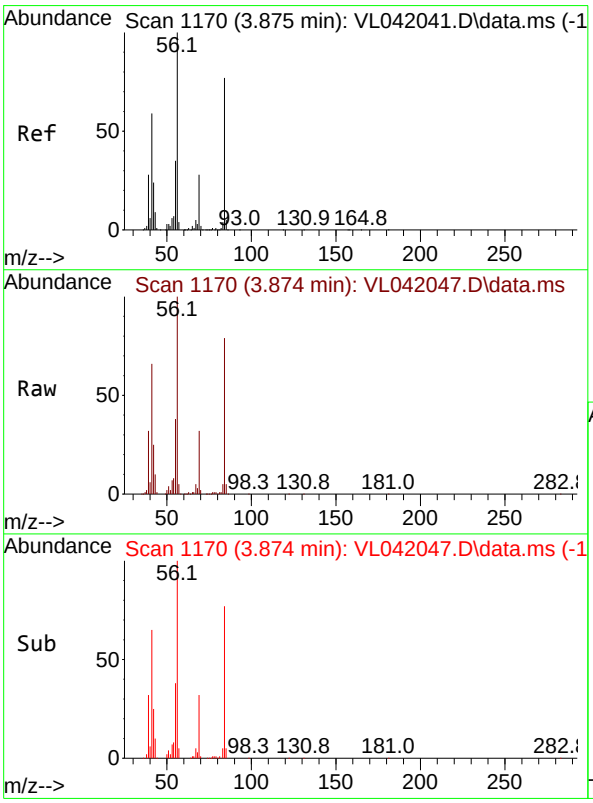
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

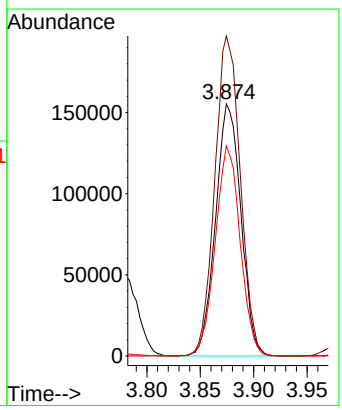
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

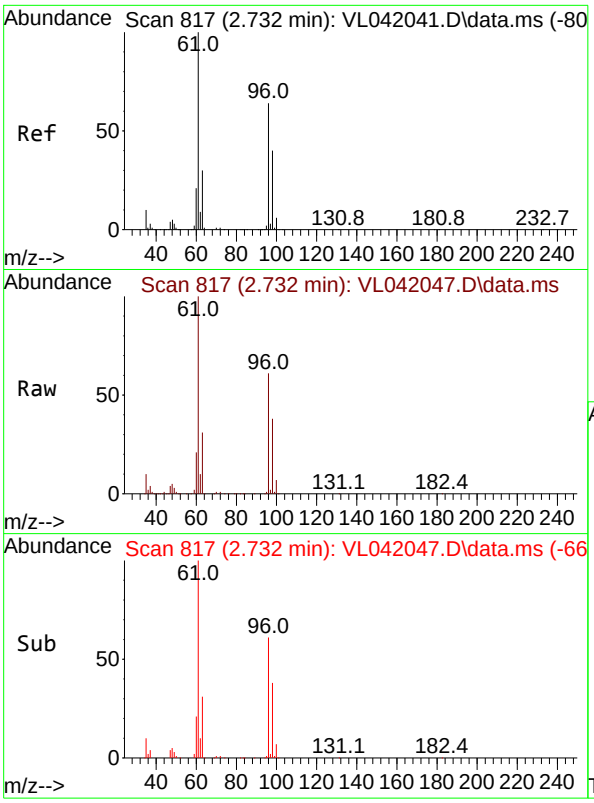


#30
Cyclohexane
Concen: 10.946 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 84 Resp: 256687

Ion	Ratio	Lower	Upper
84	100		
56	127.5	101.5	152.3
41	81.7	62.6	93.8

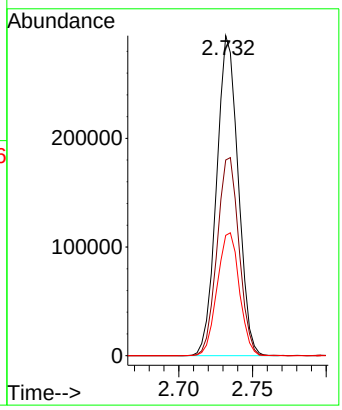




#31
cis-1,2-Dichloroethene
Concen: 10.476 ppbv
RT: 2.732 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 61 Resp: 29932

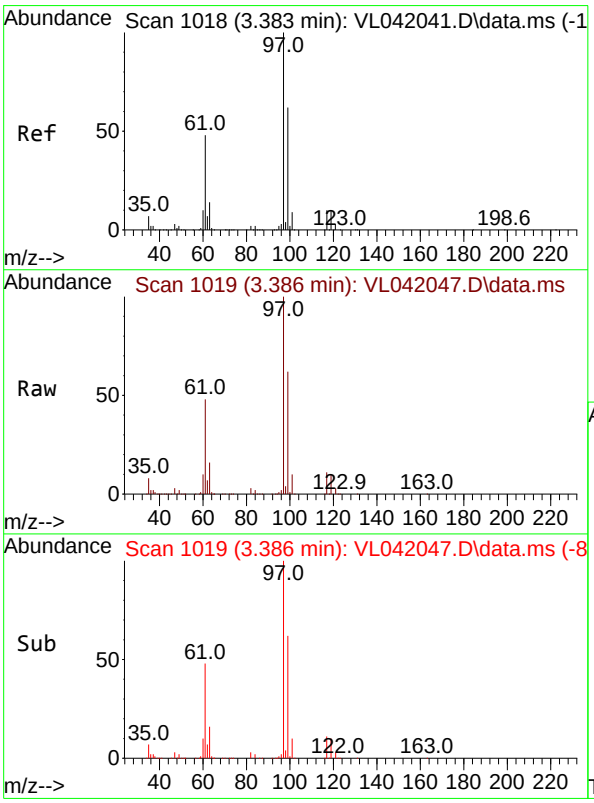
Ion	Ratio	Lower	Upper
61	100		
96	61.2	51.5	77.3
98	37.6	32.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

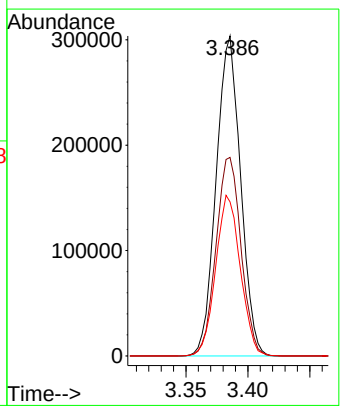
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

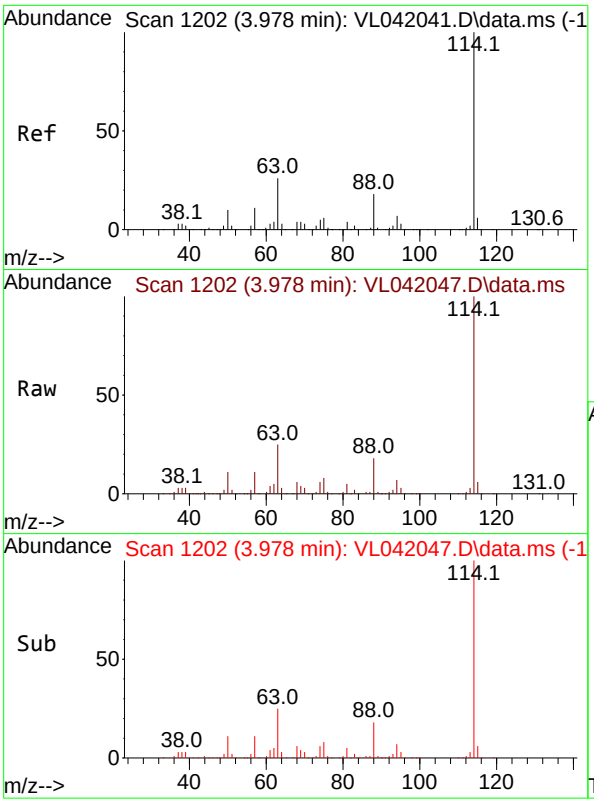


#32
1,1,1-Trichloroethane
Concen: 8.994 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 97 Resp: 417615

Ion	Ratio	Lower	Upper
97	100		
99	63.5	49.8	74.6
61	50.7	38.9	58.3

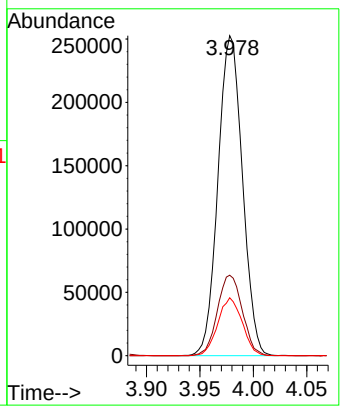




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:114 Resp: 401919

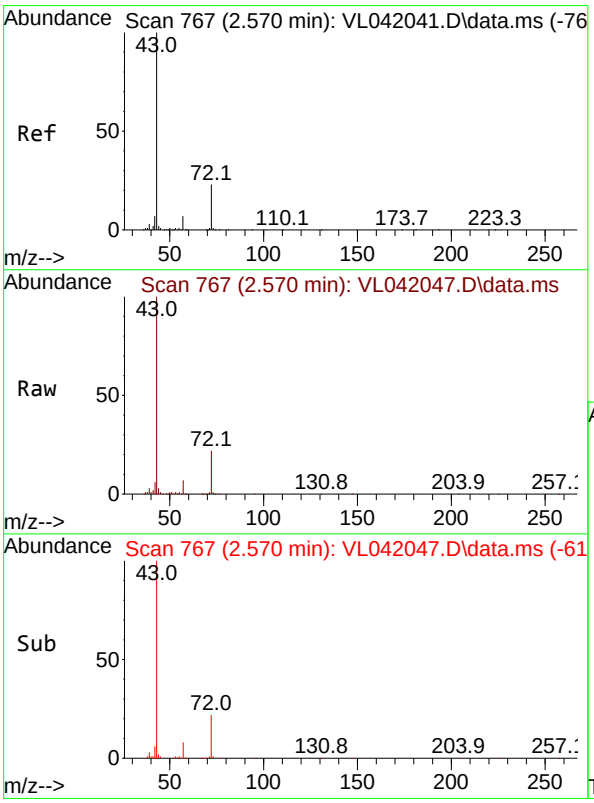
Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.1	30.1
88	18.1	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

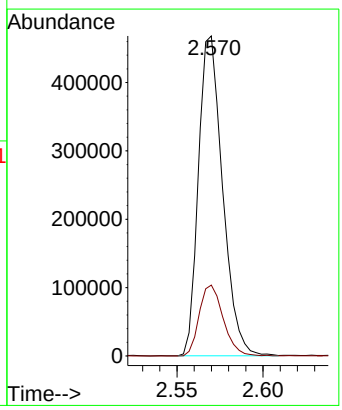
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

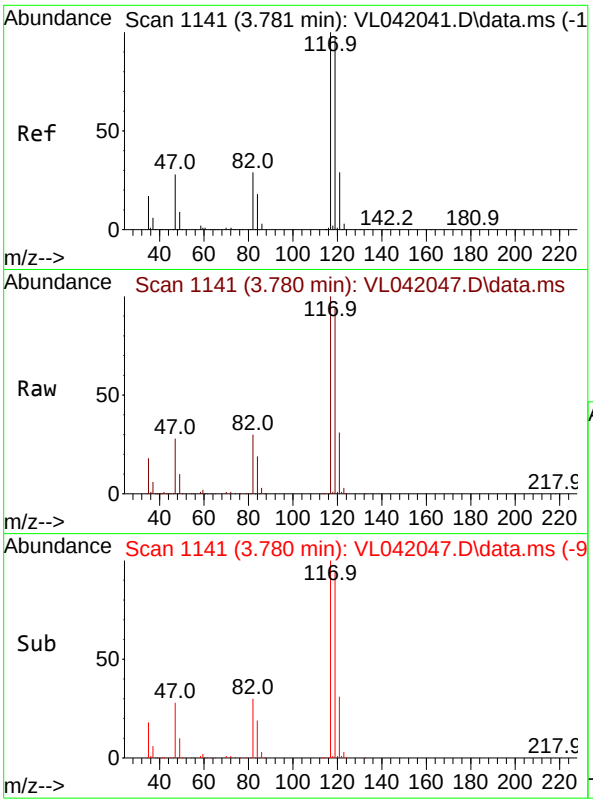


#34
2-Butanone
Concen: 13.234 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 457602

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.5	27.7

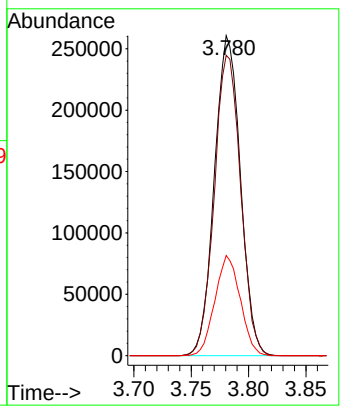




#35
Carbon Tetrachloride
Concen: 10.524 ppbv
RT: 3.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:117 Resp: 41073

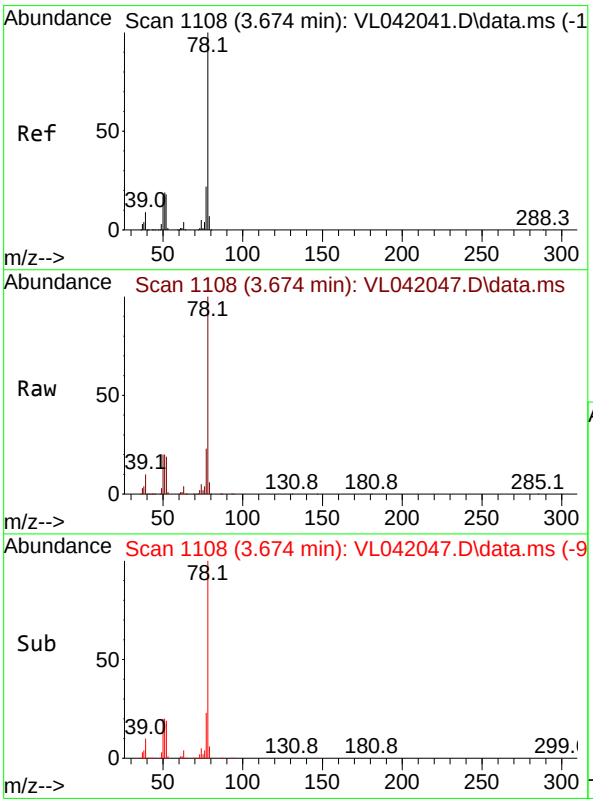
Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.8	116.8
121	31.3	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

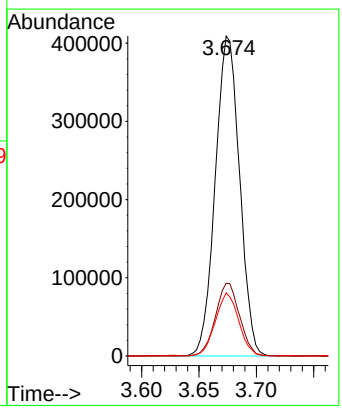
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

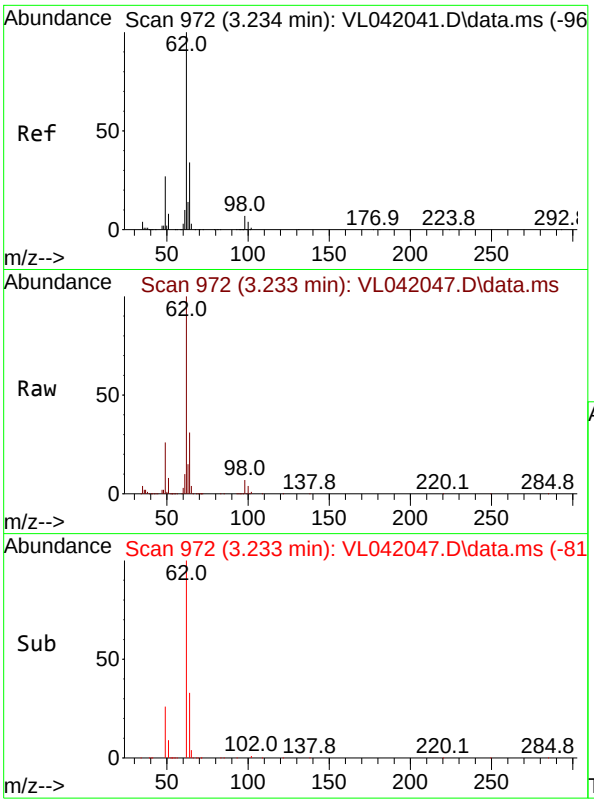


#36
Benzene
Concen: 12.367 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 78 Resp: 602107

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	19.7	13.9	20.9

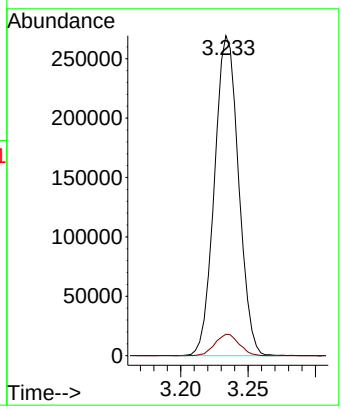




#37
1,2-Dichloroethane
Concen: 12.097 ppbv
RT: 3.233 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 62 Resp: 33527

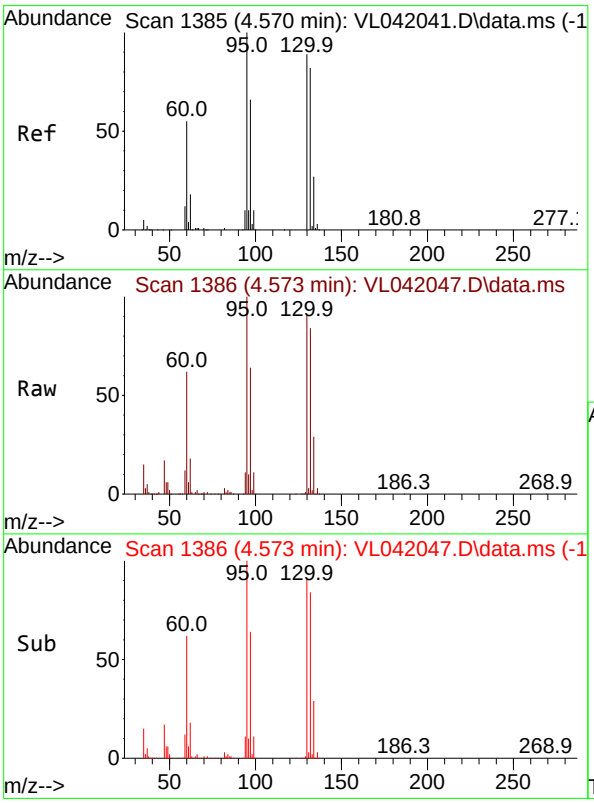
Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

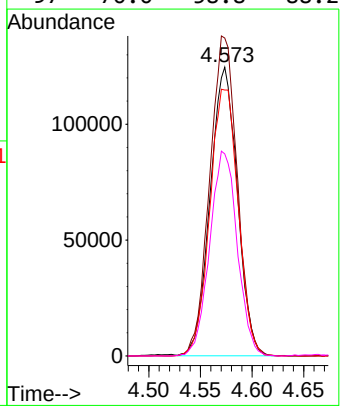
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

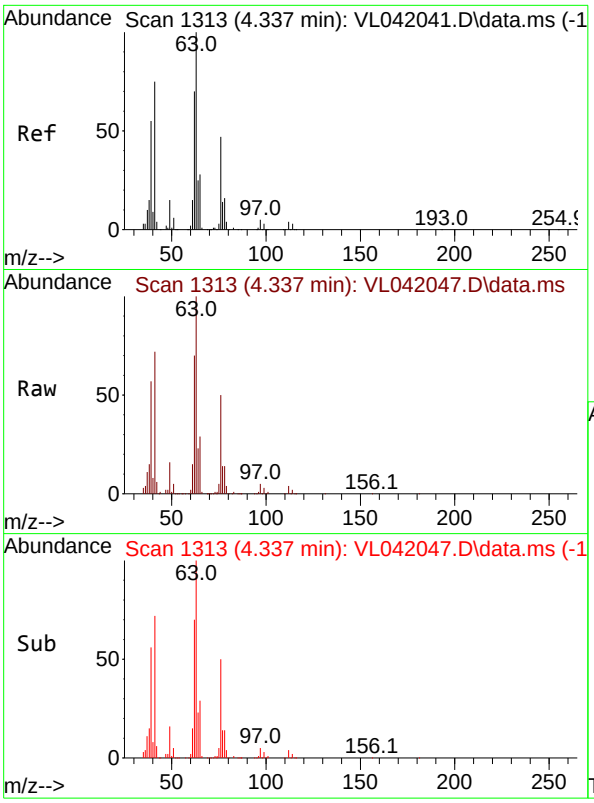


#38
Trichloroethene
Concen: 11.542 ppbv
RT: 4.573 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:130 Resp: 228298

Ion	Ratio	Lower	Upper
130	100		
95	110.1	89.5	134.3
132	92.2	73.8	110.6
97	70.0	58.8	88.2

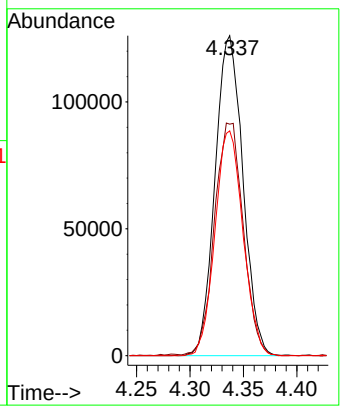




#39
1,2-Dichloropropane
Concen: 12.797 ppbv
RT: 4.337 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 63 Resp: 22841

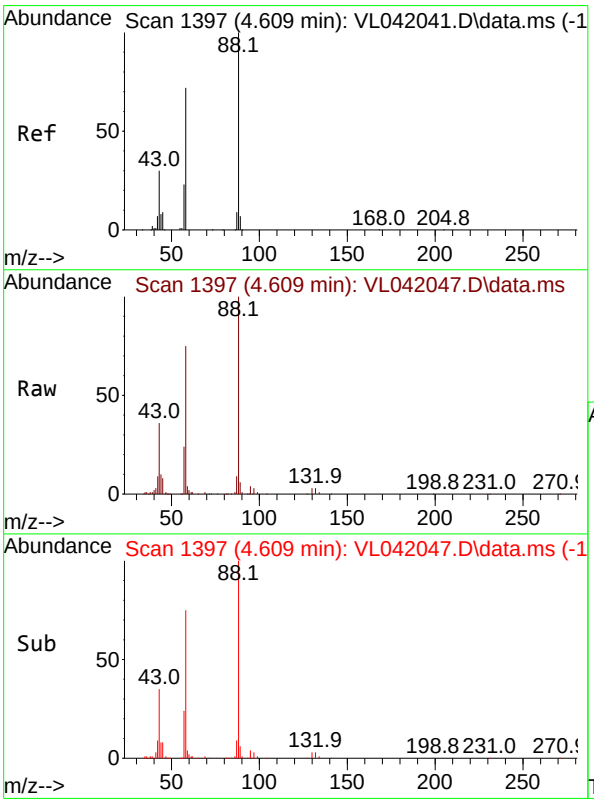
Ion	Ratio	Lower	Upper
63	100		
41	72.2	60.1	90.1
62	70.3	55.8	83.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

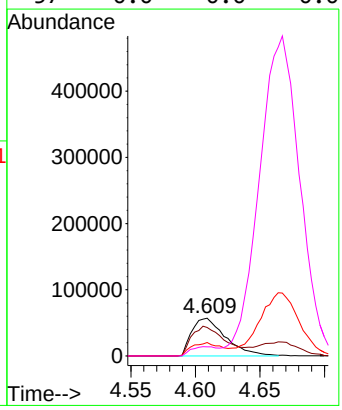
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

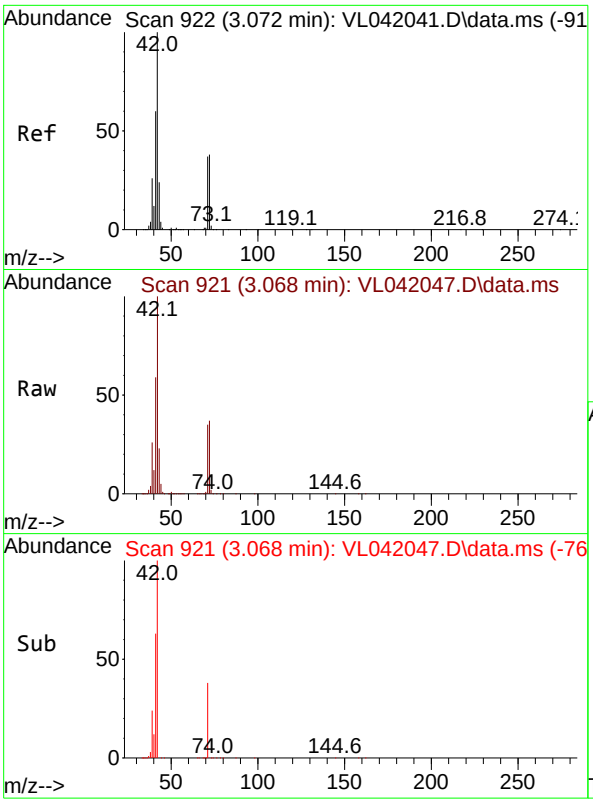


#40
1,4-Dioxane
Concen: 11.253 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 88 Resp: 104519

Ion	Ratio	Lower	Upper
88	100		
58	81.6	62.6	94.0
43	30.4	0.0	0.0#
57	0.0	0.0	0.0

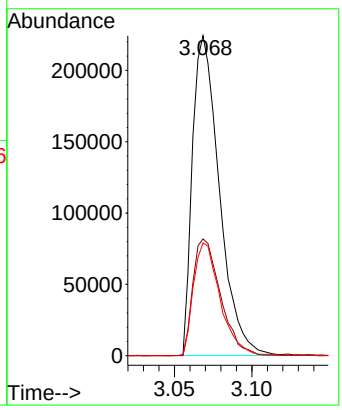




#41
Tetrahydrofuran
Concen: 13.724 ppbv
RT: 3.068 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 42 Resp: 27120

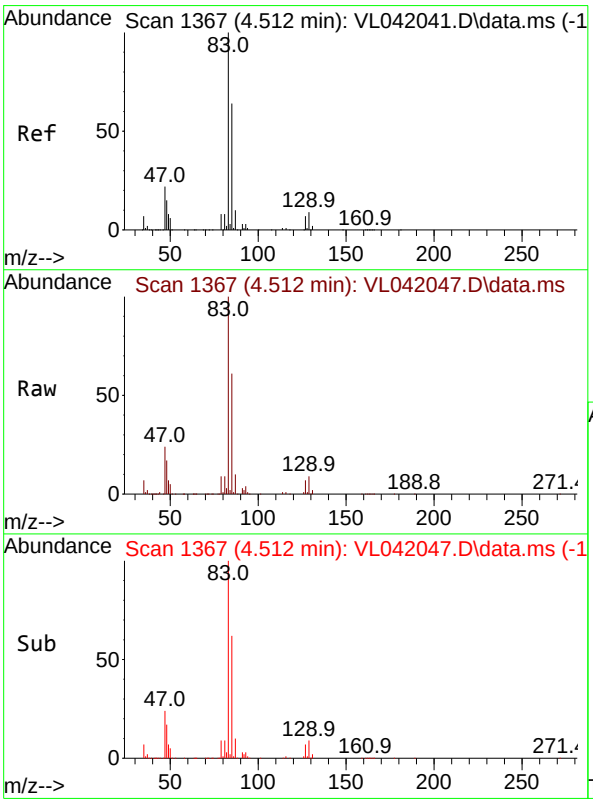
Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.2	45.2
71	35.1	28.2	42.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

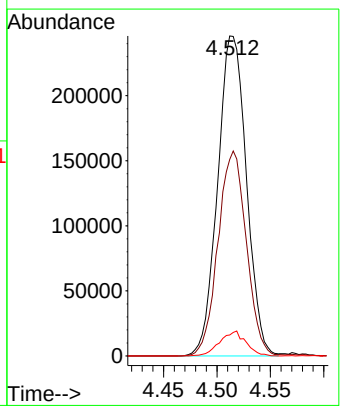
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

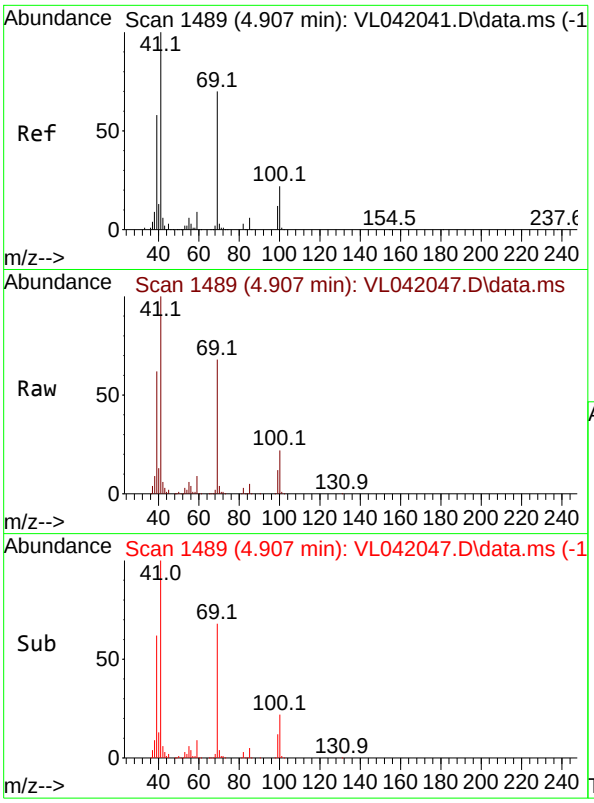


#42
Bromodichloromethane
Concen: 12.285 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 83 Resp: 461272

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.2
127	6.6	5.8	8.6

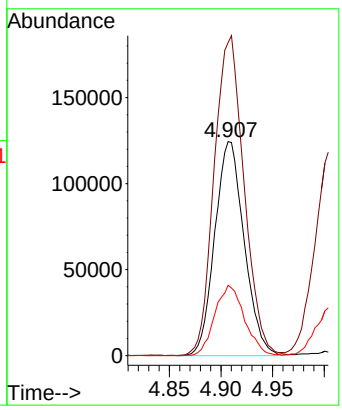




#43
Methyl Methacrylate
Concen: 11.105 ppbv
RT: 4.907 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 69 Resp: 24646

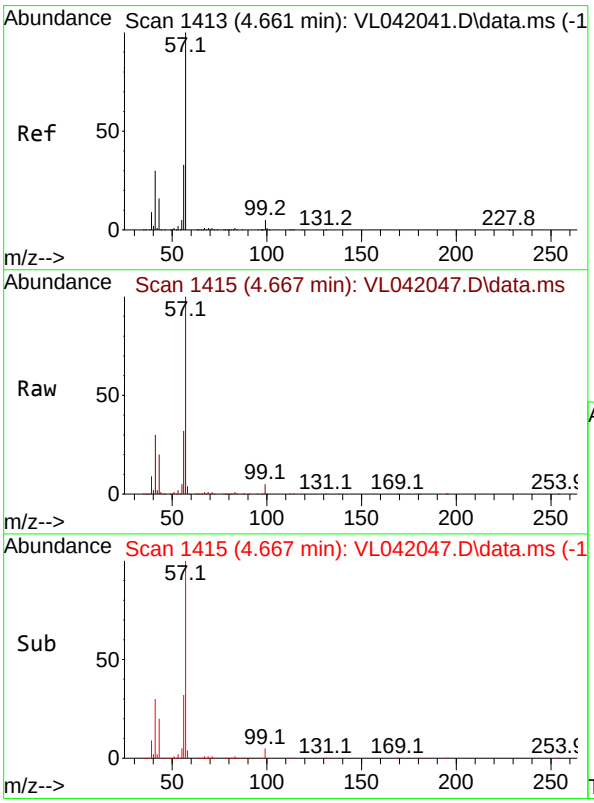
Ion	Ratio	Lower	Upper
69	100		
41	151.9	118.2	177.4
100	33.2	27.0	40.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

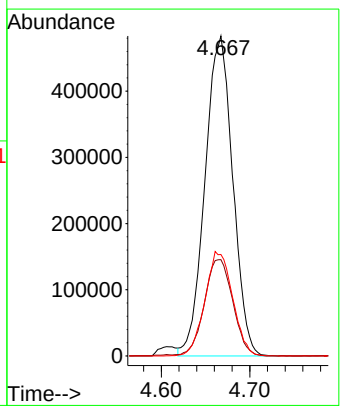
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

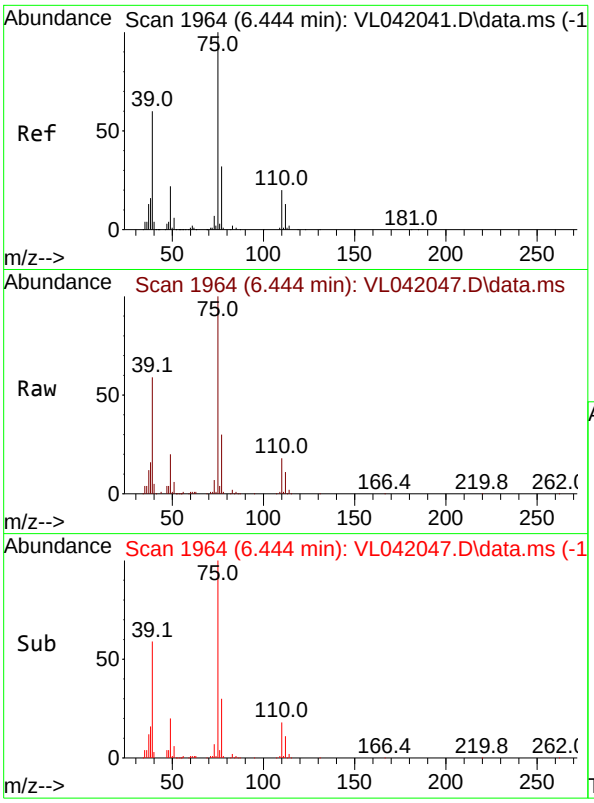


#44
2,2,4-Trimethylpentane
Concen: 12.763 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 57 Resp: 1054880

Ion	Ratio	Lower	Upper
57	100		
41	31.2	24.4	36.6
56	32.4	26.5	39.7

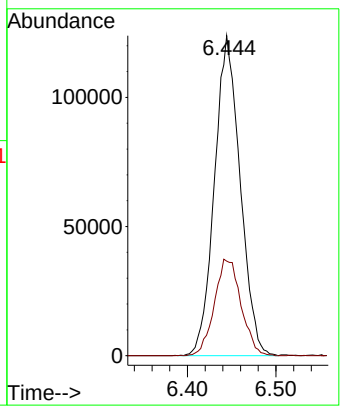




#45
t-1,3-Dichloropropene
Concen: 11.914 ppbv
RT: 6.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 75 Resp: 24961

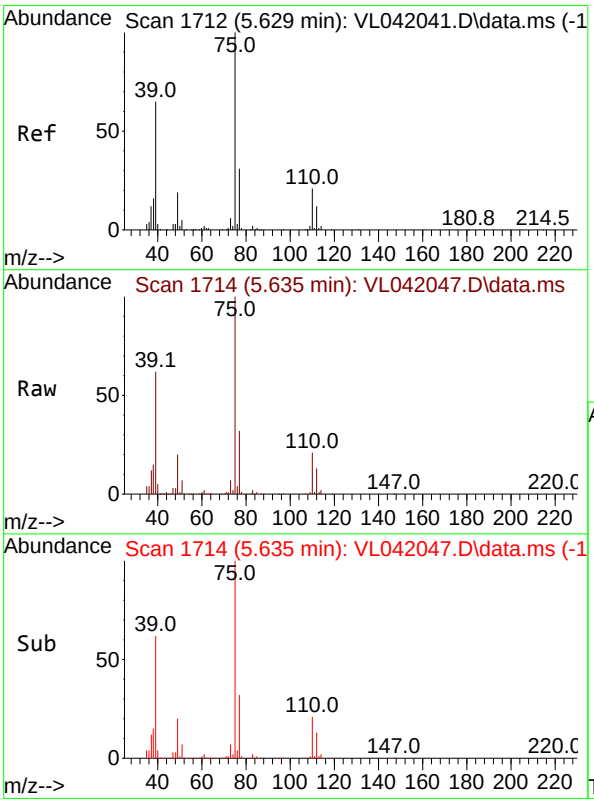
Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

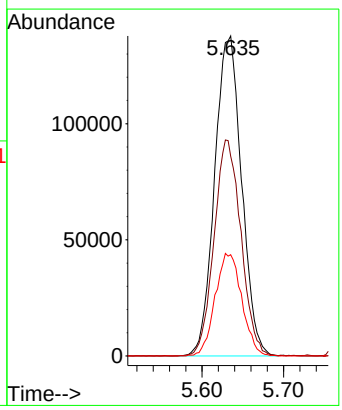
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

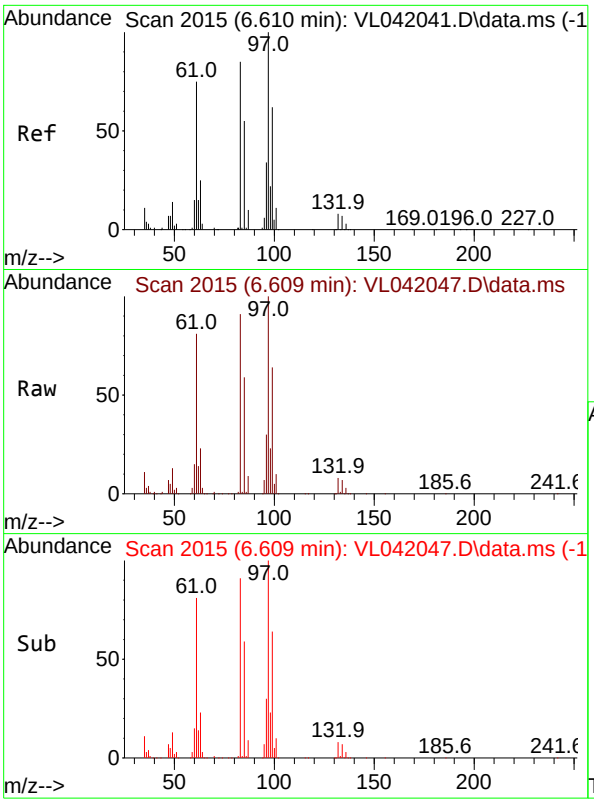


#46
cis-1,3-Dichloropropene
Concen: 11.935 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.006 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 75 Resp: 317266

Ion	Ratio	Lower	Upper
75	100		
39	62.4	51.9	77.9
77	31.6	24.9	37.3

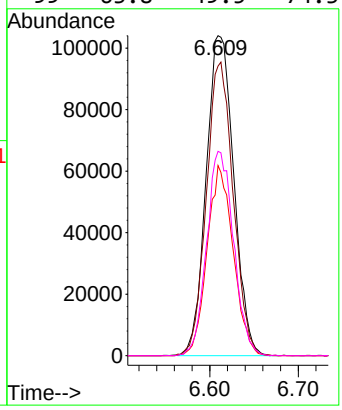




#47
1,1,2-Trichloroethane
Concen: 12.032 ppbv
RT: 6.609 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 97 Resp: 22602

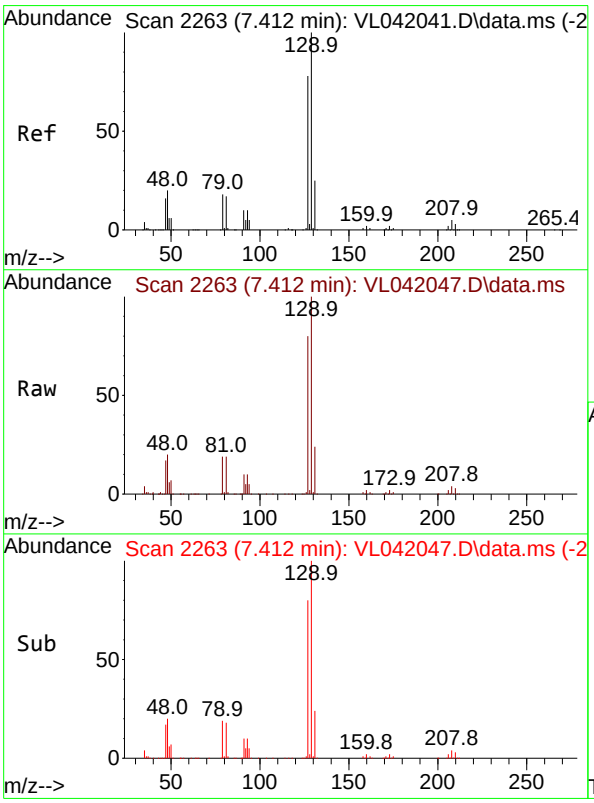
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	59.4	44.0	66.0
99	63.8	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

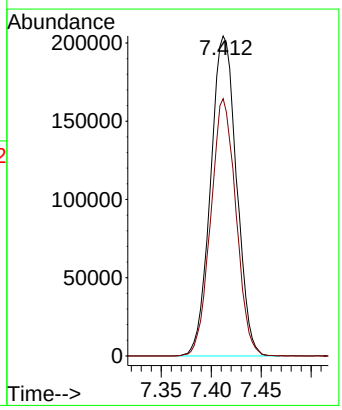
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

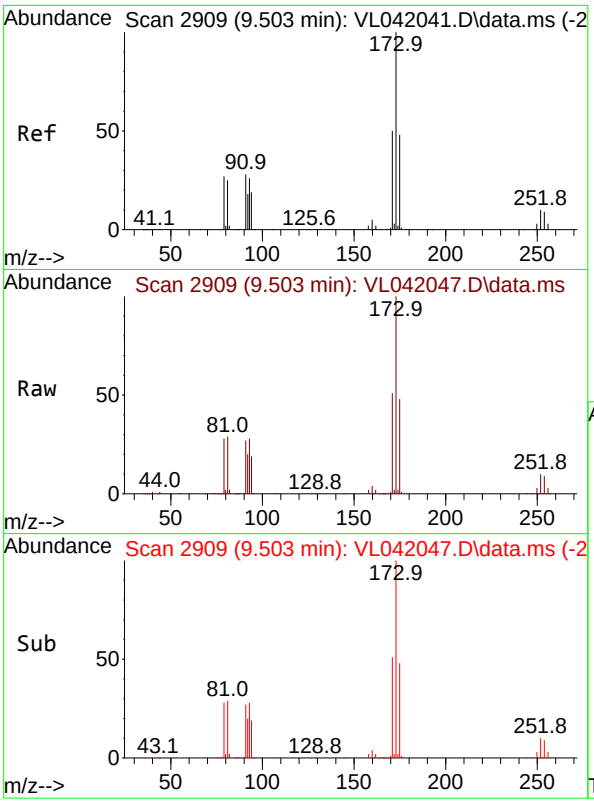


#48
Dibromochloromethane
Concen: 11.750 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:129 Resp: 369666

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	115.8

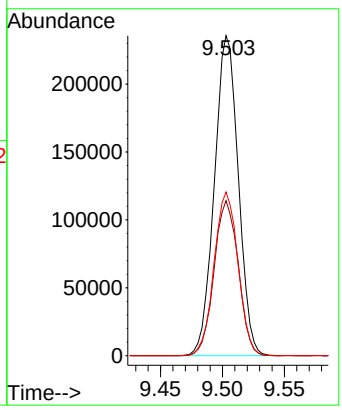




#49
Bromoform
Concen: 12.297 ppbv
RT: 9.503 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:173 Resp: 31732

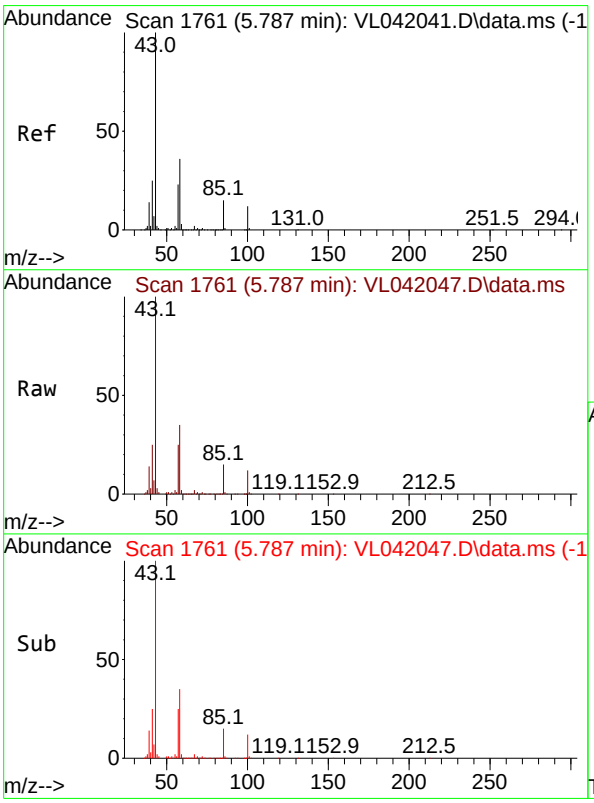
Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.3	57.5
171	51.2	40.2	60.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

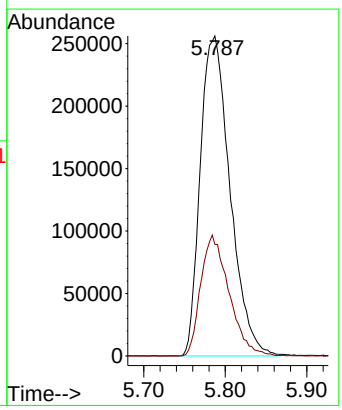
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

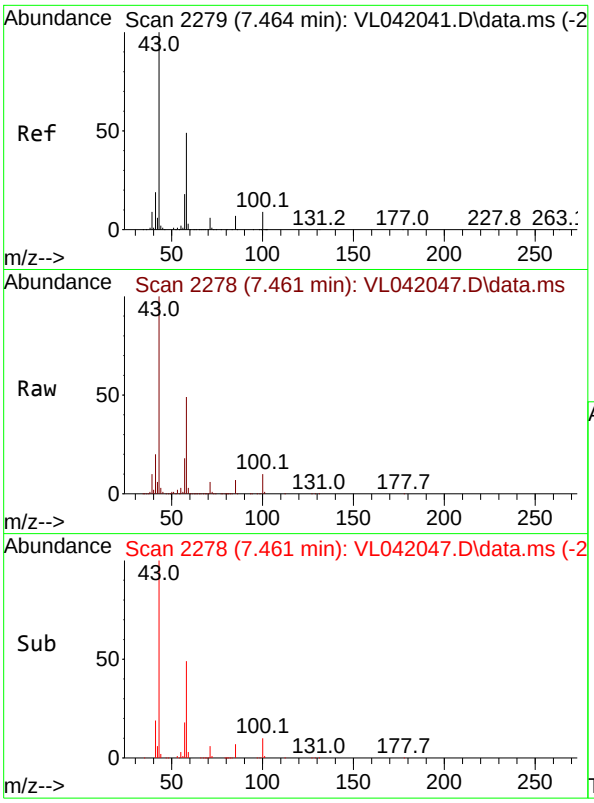


#50
4-Methyl-2-Pentanone
Concen: 12.237 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 650307

Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.3	43.9





#51
2-Hexanone
Concen: 12.198 ppbv
RT: 7.461 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

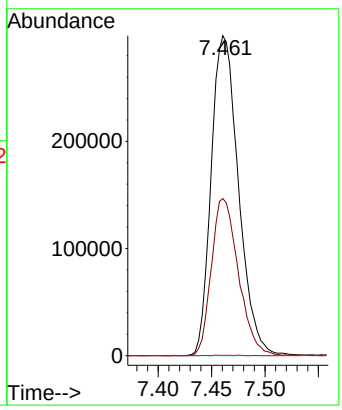
Tgt Ion: 43 Resp: 53016

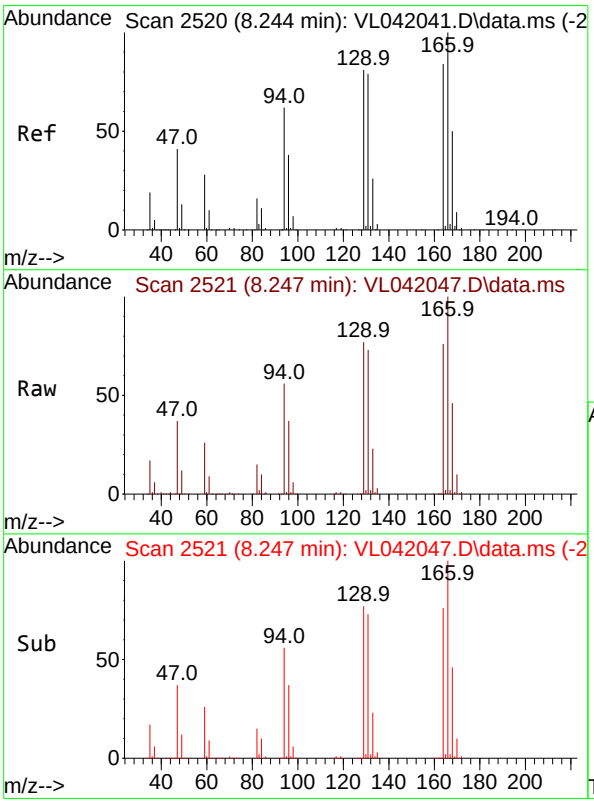
Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
98	0.2	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

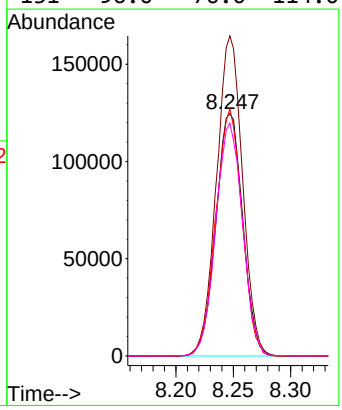


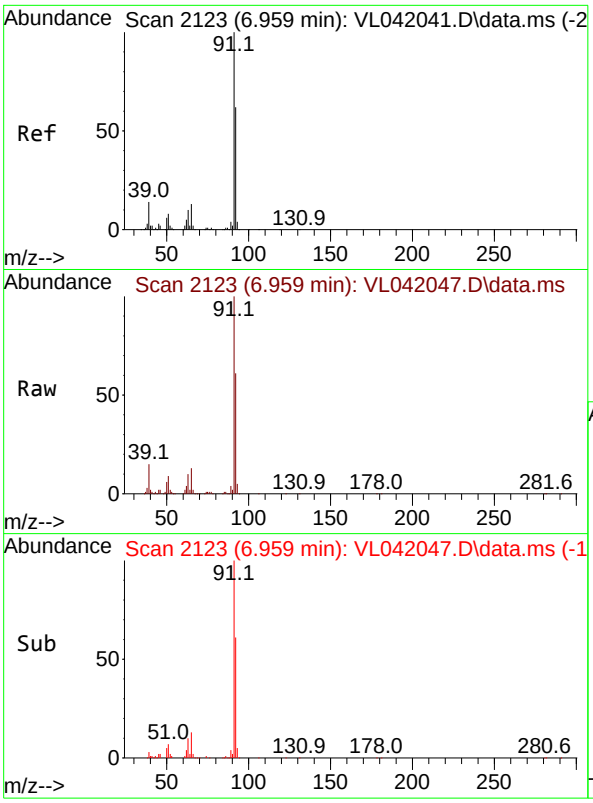


#52
Tetrachloroethene
Concen: 11.968 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:164 Resp: 203233

Ion	Ratio	Lower	Upper
164	100		
166	132.0	95.7	143.5
129	102.0	77.1	115.7
131	96.0	76.0	114.0

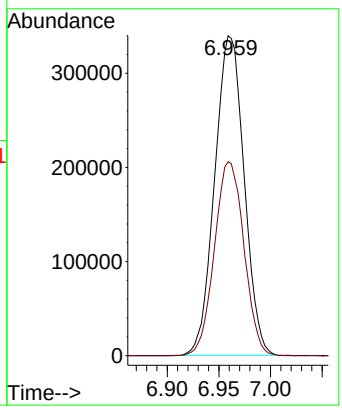




#53
Toluene
Concen: 11.615 ppbv
RT: 6.959 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 67382

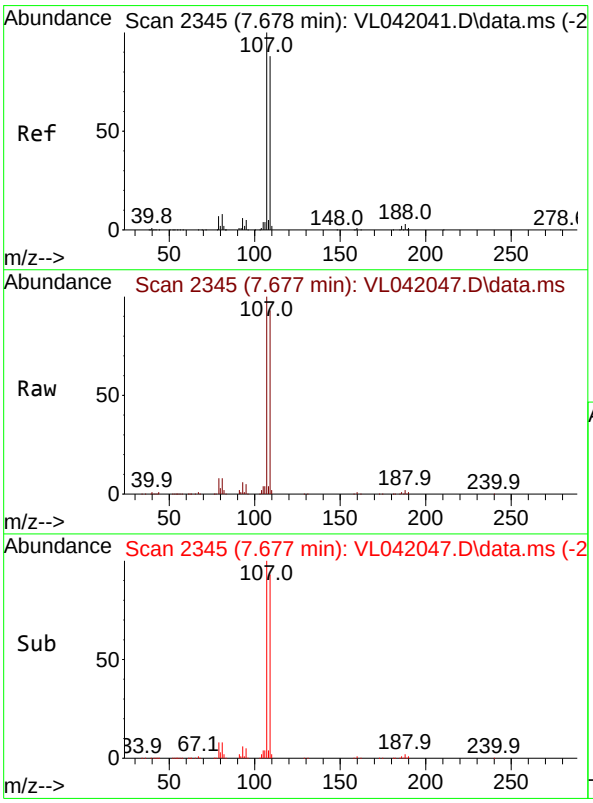
Ion	Ratio	Lower	Upper
91	100		
92	60.9	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

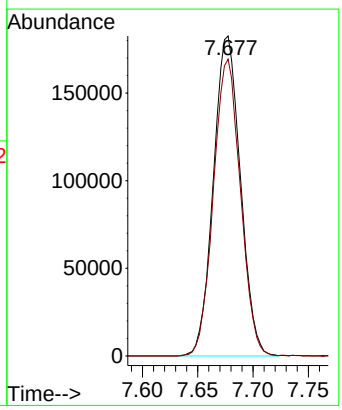
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

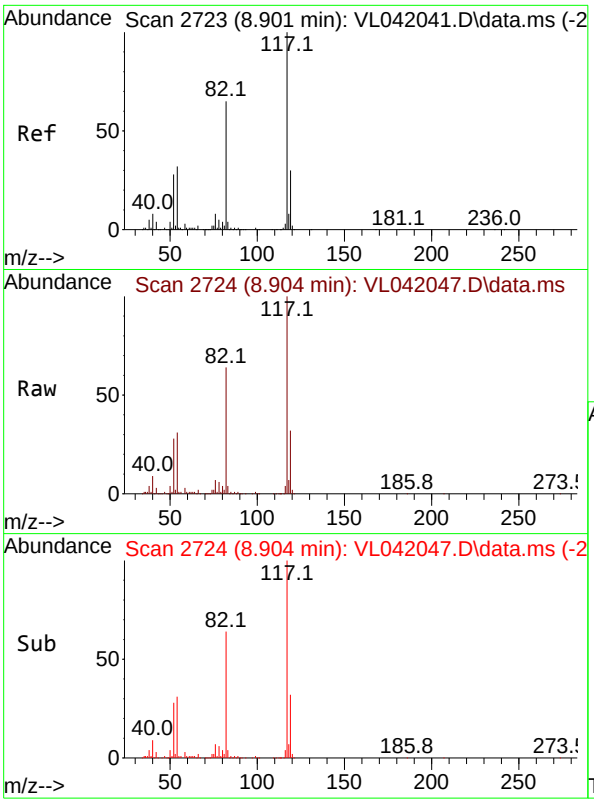


#54
1,2-Dibromoethane
Concen: 11.985 ppbv
RT: 7.677 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:107 Resp: 309982

Ion	Ratio	Lower	Upper
107	100		
109	92.7	70.2	105.4

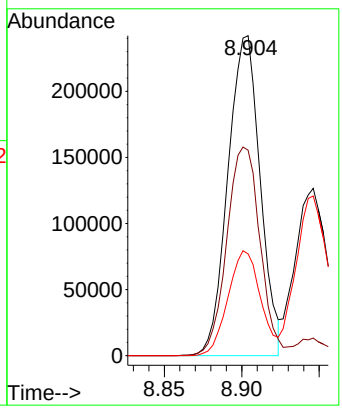




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:117 Resp: 35163

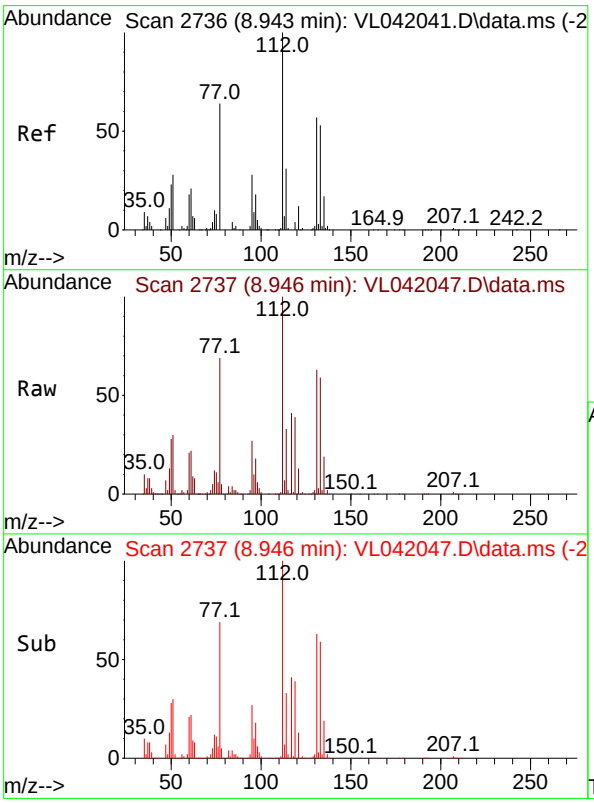
Ion	Ratio	Lower	Upper
117	100		
82	72.2	55.0	82.6
119	33.3	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

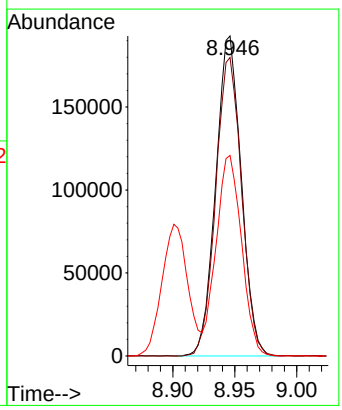
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

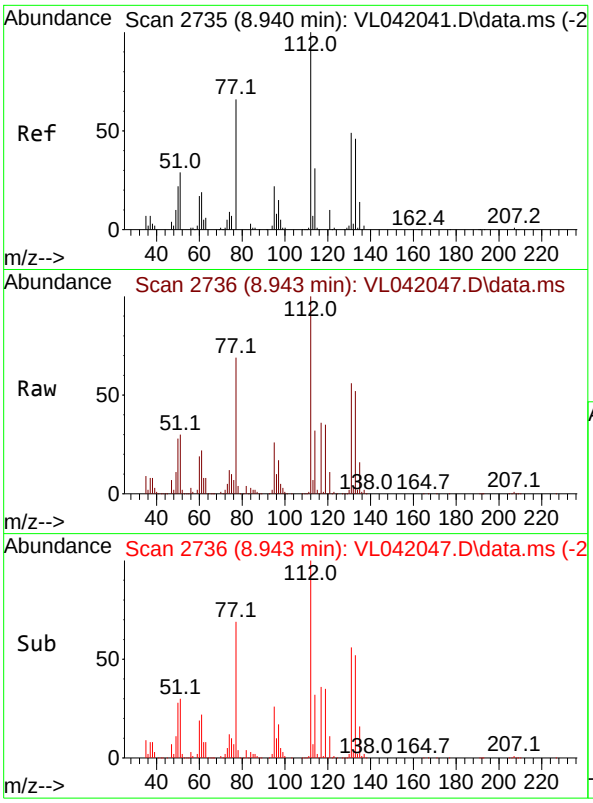


#56
1,1,1,2-Tetrachloroethane
Concen: 10.979 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:131 Resp: 276326

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.8	113.8
119	63.6	52.1	78.1

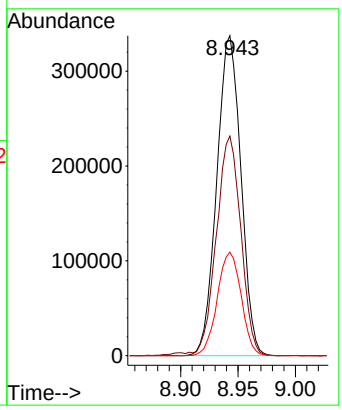




#57
Chlorobenzene
Concen: 11.957 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:112 Resp: 49460

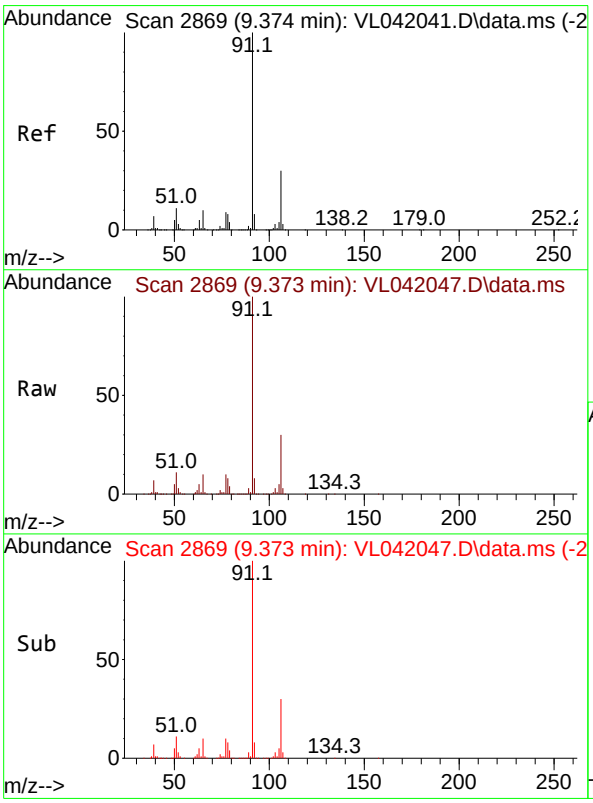
Ion	Ratio	Lower	Upper
112	100		
77	68.6	53.4	80.2
114	32.4	28.3	34.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

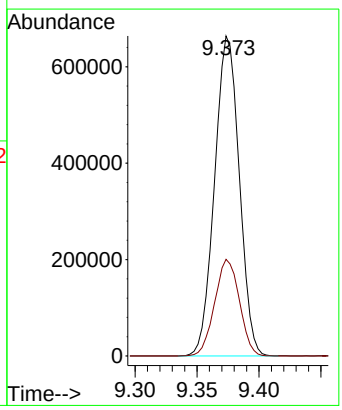
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

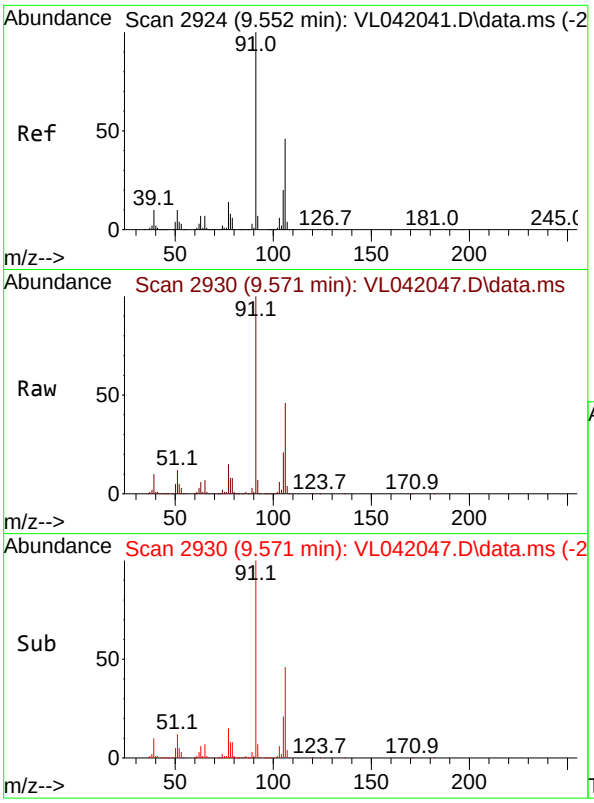


#58
Ethyl Benzene
Concen: 11.984 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 922265

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.2

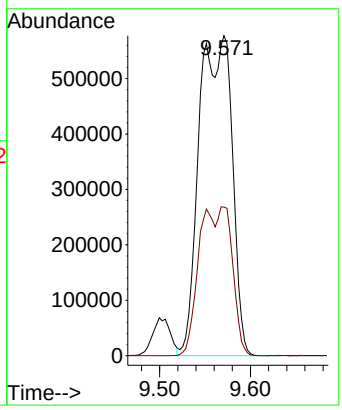




#59
m/p-Xylene
Concen: 24.020 ppbv m
RT: 9.571 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 145603

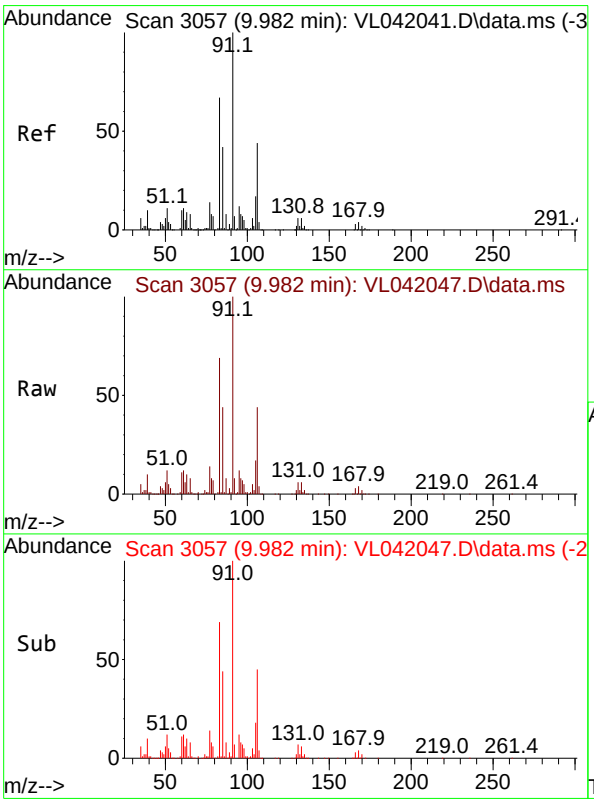
Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

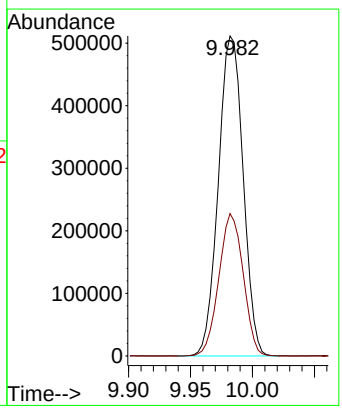
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

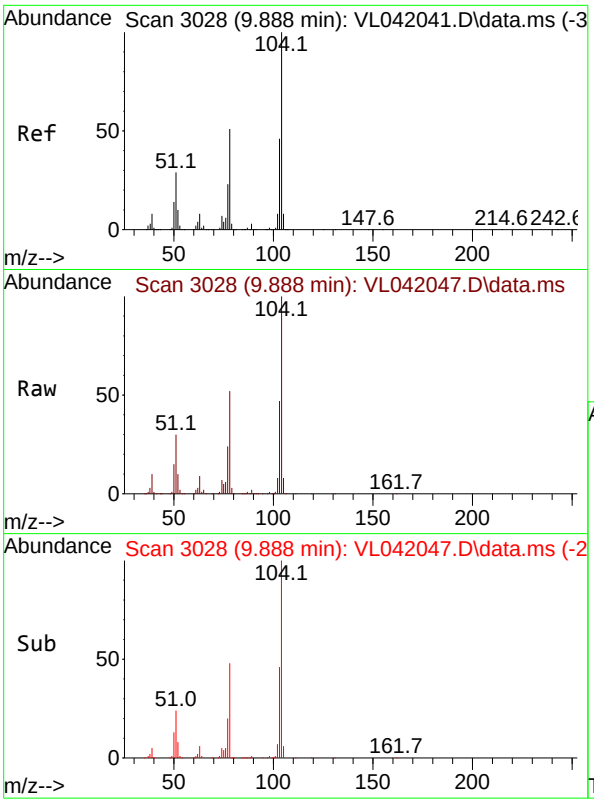


#60
o-Xylene
Concen: 11.626 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 712735

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.3	66.8

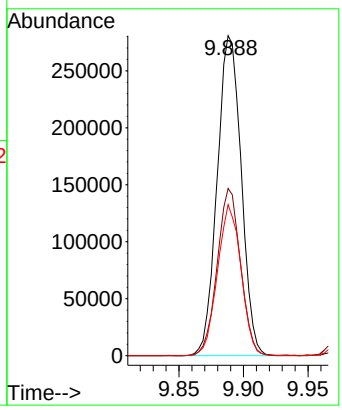




#61
Styrene
Concen: 12.446 ppbv
RT: 9.888 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:104 Resp: 36385

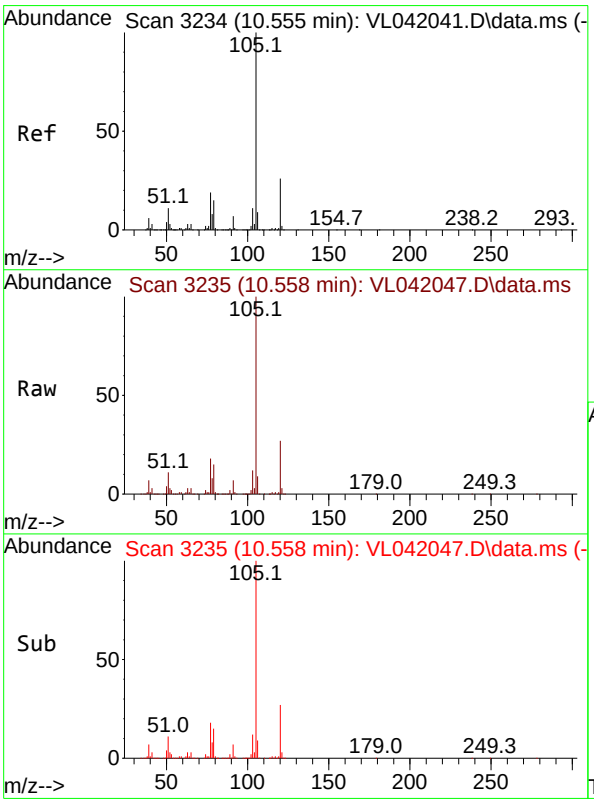
Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.0	61.4
103	46.2	37.0	55.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

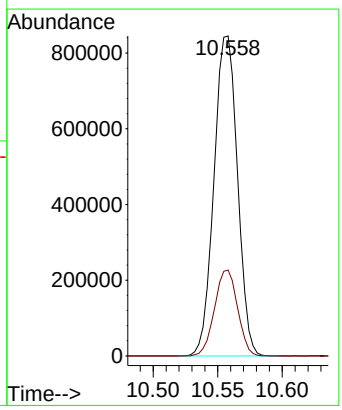
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

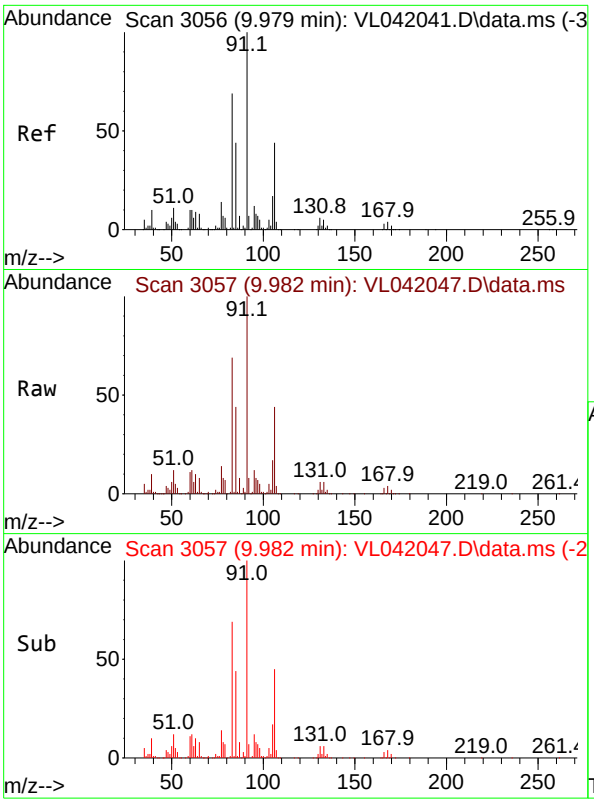


#62
Isopropylbenzene
Concen: 11.612 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 1068777

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.7	31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 11.626 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

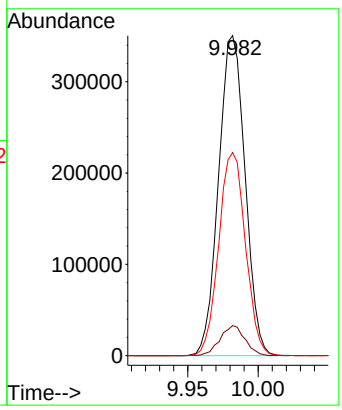
Tgt Ion: 83 Resp: 45983

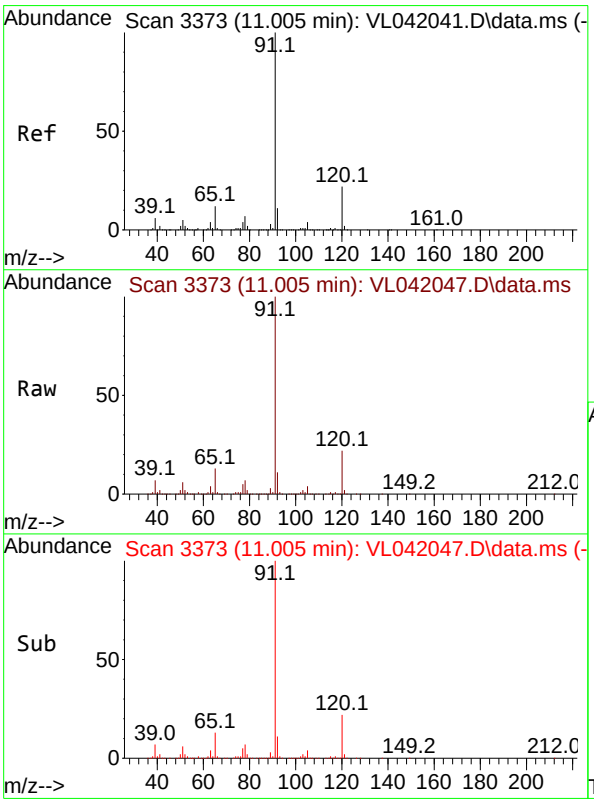
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.7
85	63.9	32.1	96.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

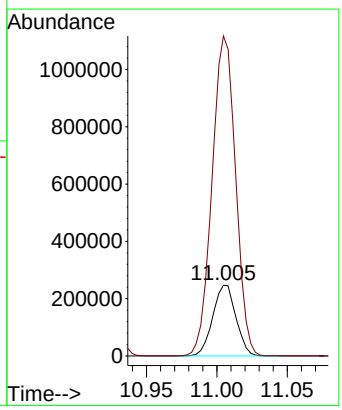


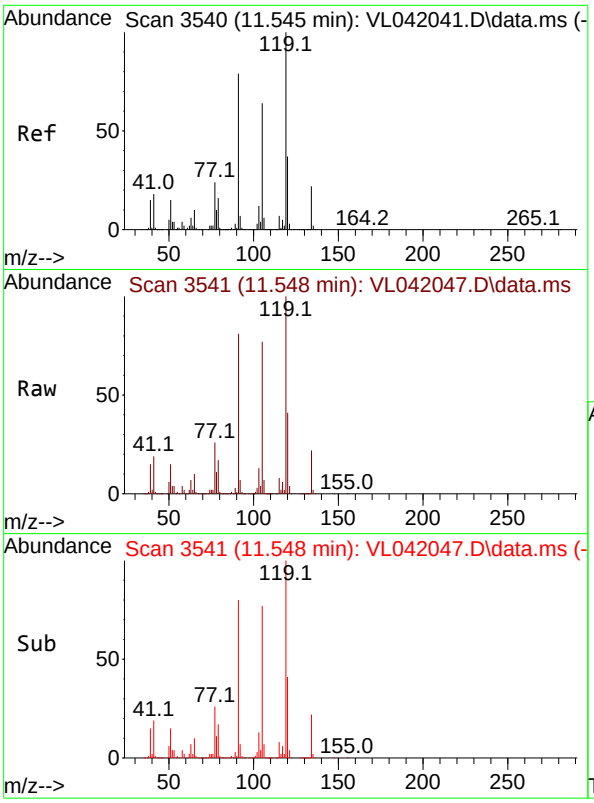


#64
n-propylbenzene
Concen: 12.486 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:120 Resp: 282364

Ion	Ratio	Lower	Upper
120	100		
91	460.6	370.6	556.0

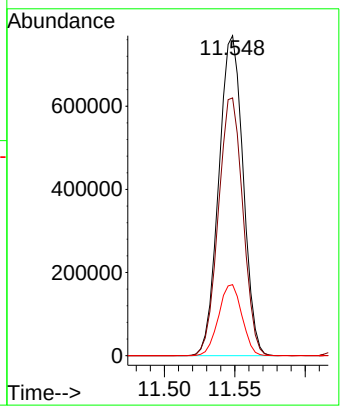




#65
tert-Butylbenzene
Concen: 11.526 ppbv
RT: 11.548 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:119 Resp: 92481

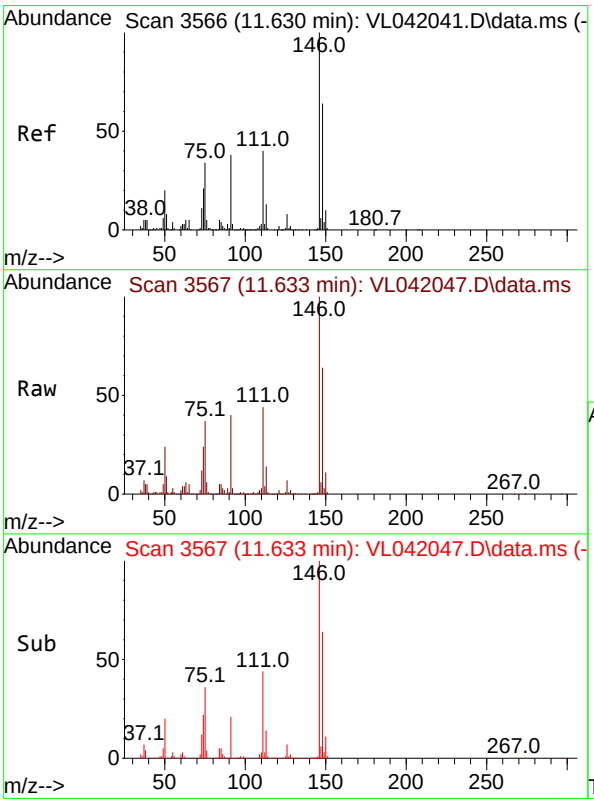
Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.2	96.2
134	21.4	17.4	26.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

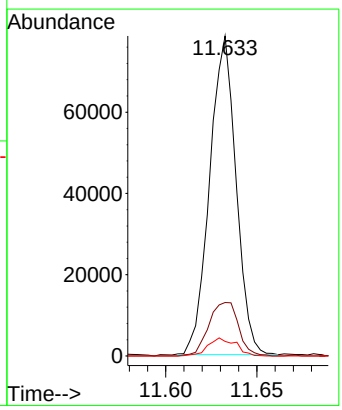
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

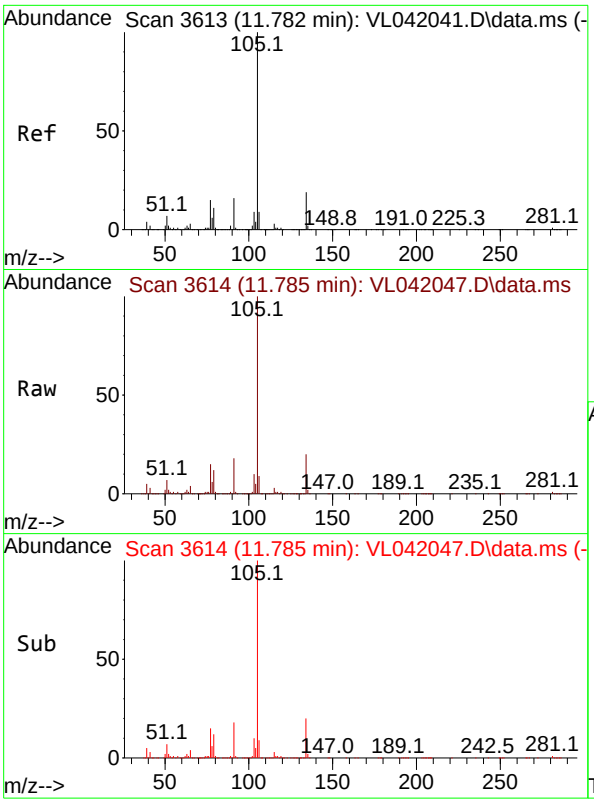


#66
Benzyl Chloride
Concen: 9.819 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 78975

Ion	Ratio	Lower	Upper
91	100		
126	19.0	14.5	21.7
128	6.0	5.4	8.2

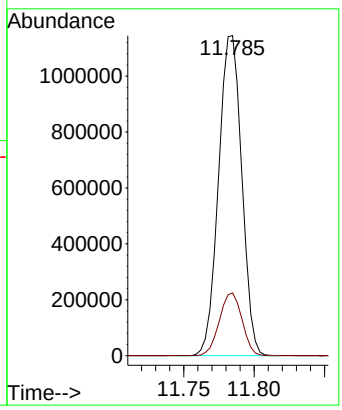




#67
sec-Butylbenzene
Concen: 11.674 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 131573

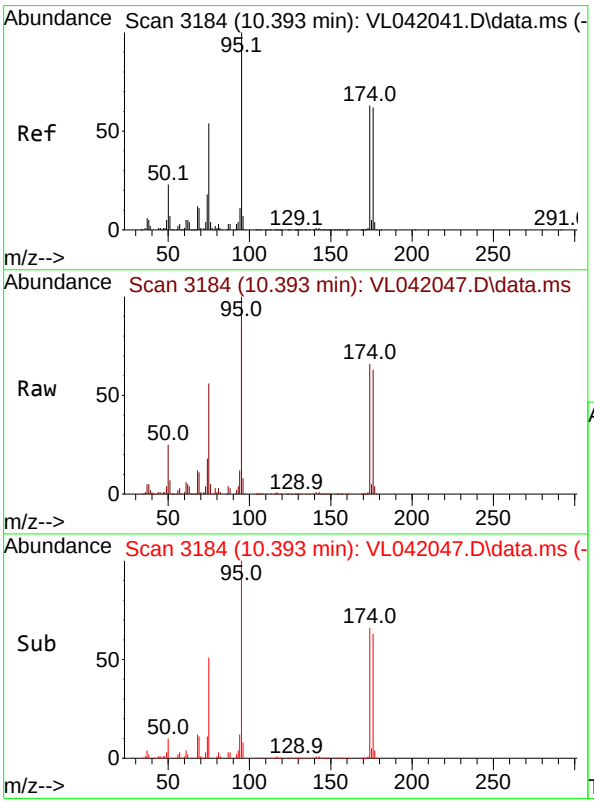
Ion	Ratio	Lower	Upper
105	100		
134	19.2	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

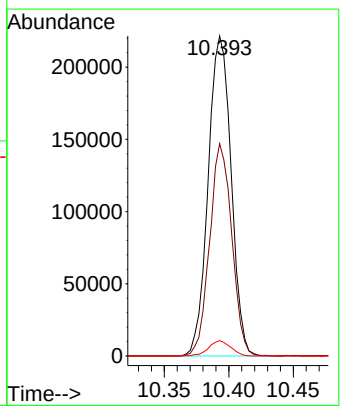
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

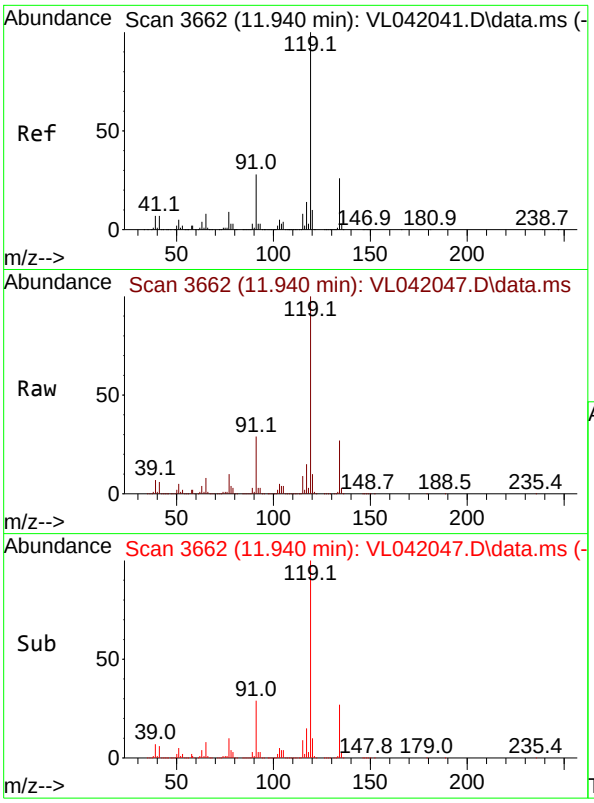


#68
1-Bromo-4-Fluorobenzene
Concen: 9.441 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 95 Resp: 273846

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.8	77.6
175	4.6	3.9	5.9

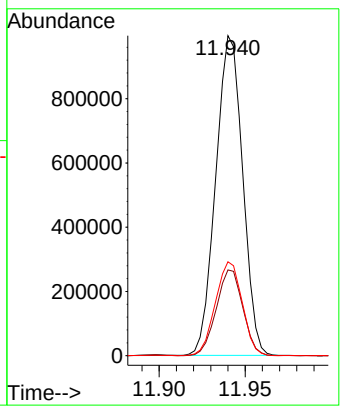




#69
p-Isopropyltoluene
Concen: 11.752 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:119 Resp: 108425

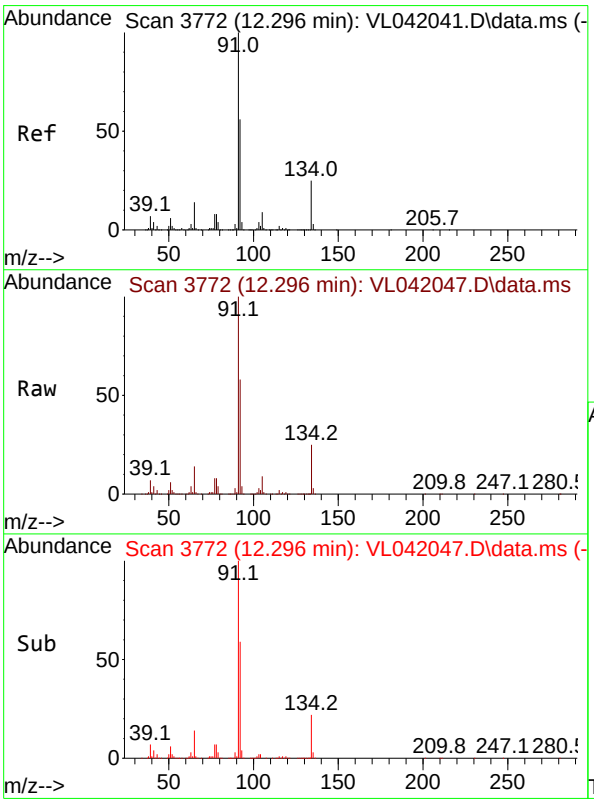
Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.9	31.3
91	29.4	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

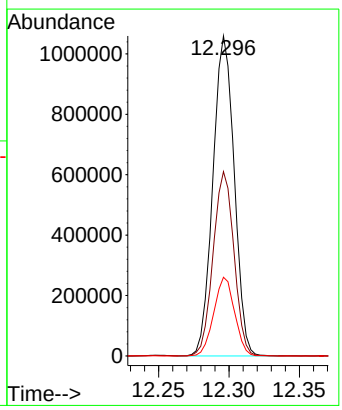
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

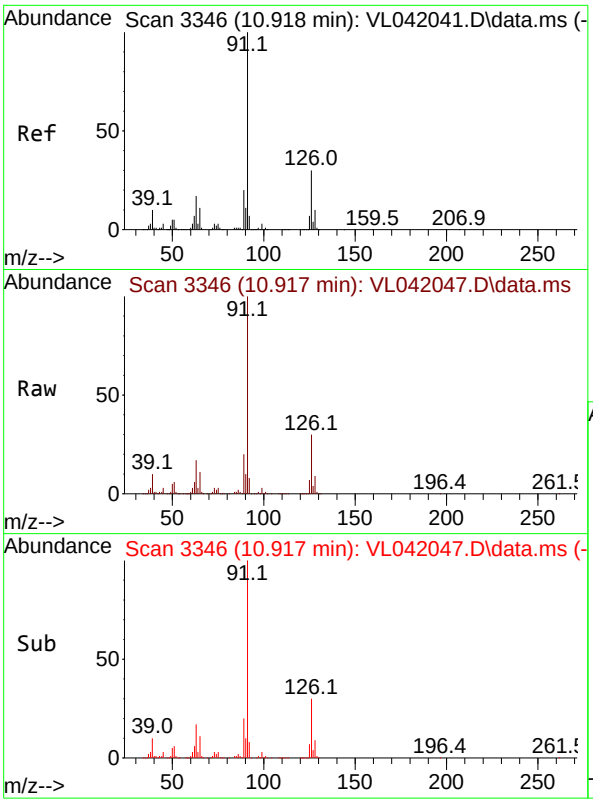


#70
n-Butylbenzene
Concen: 12.306 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 1118373

Ion	Ratio	Lower	Upper
91	100		
92	56.6	44.7	67.1
134	24.0	18.9	28.3

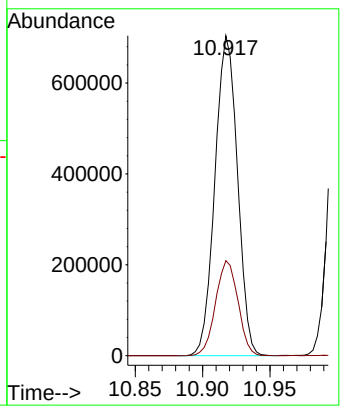




#71
2-Chlorotoluene
Concen: 11.804 ppbv
RT: 10.917 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 81820

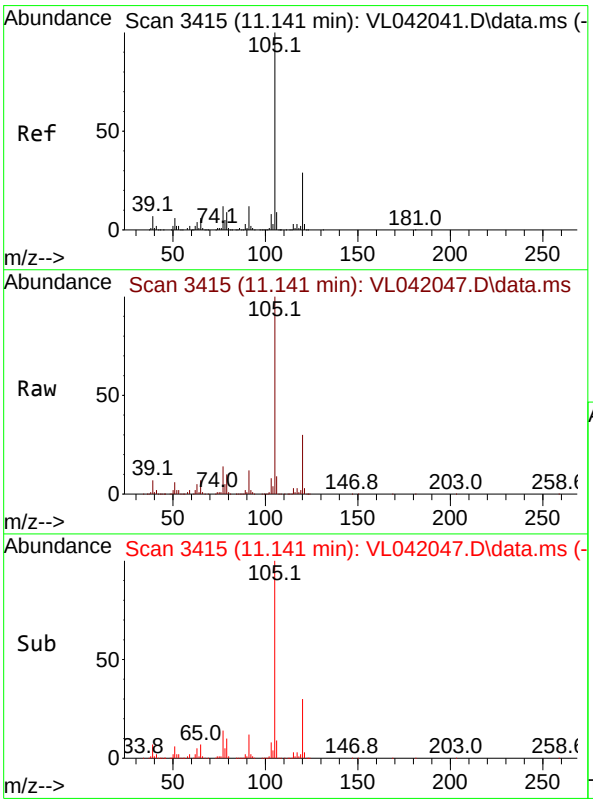
Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.9	47.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

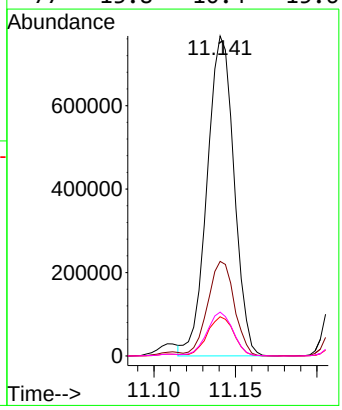
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

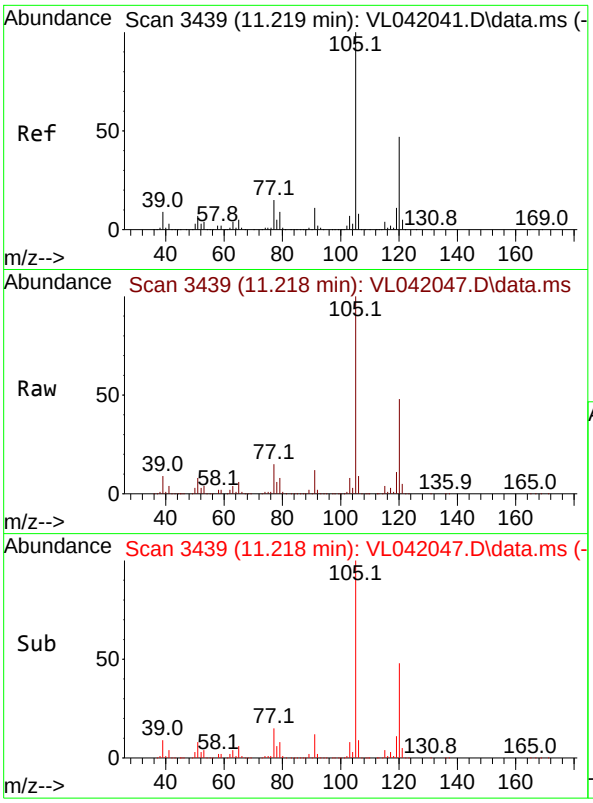


#72
4-Ethyltoluene
Concen: 12.264 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 880883

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.1	36.1
91	12.7	10.2	15.4
77	13.8	10.4	15.6

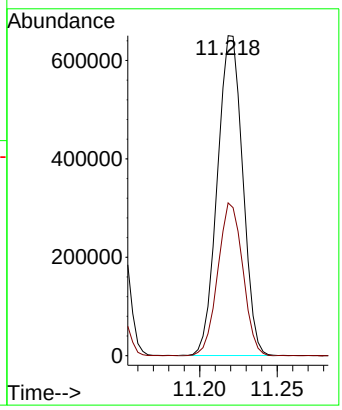




#73
1,3,5-Trimethylbenzene
Concen: 11.921 ppbv
RT: 11.218 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 73861

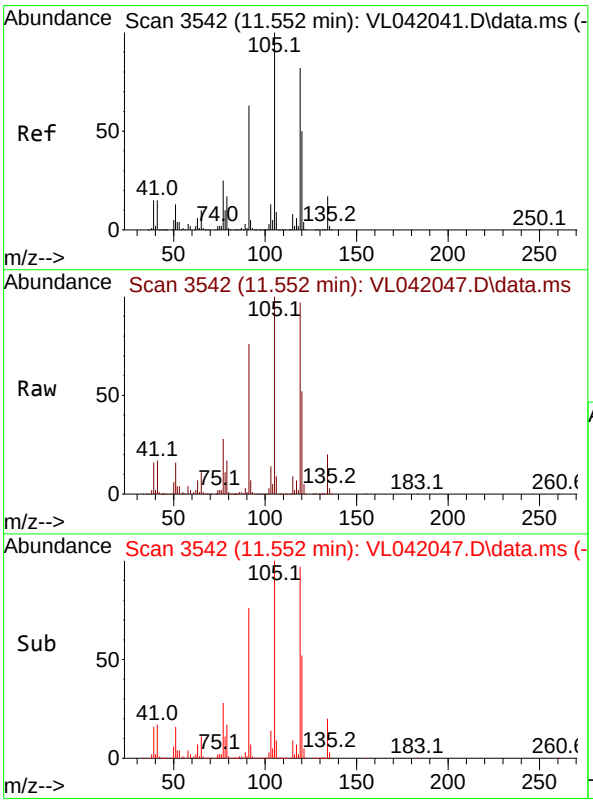
Ion	Ratio	Lower	Upper
105	100		
120	47.8	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

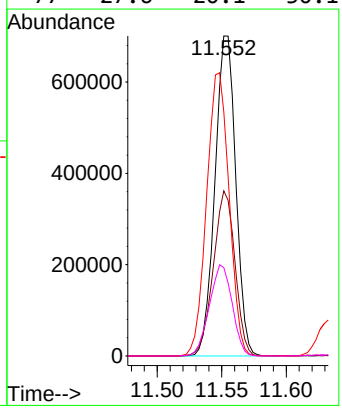
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

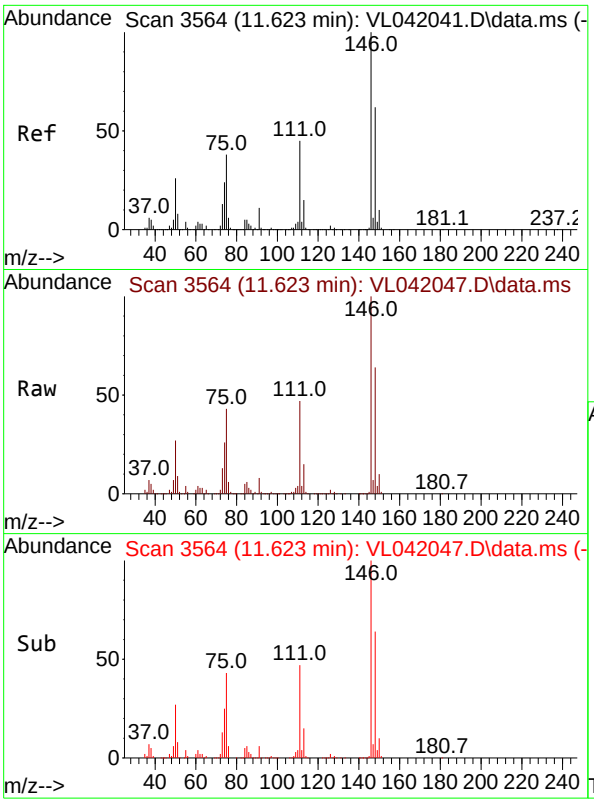


#74
1,2,4-Trimethylbenzene
Concen: 11.801 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 784701

Ion	Ratio	Lower	Upper
105	100		
120	51.6	40.2	60.2
91	76.3	51.4	77.2
77	27.6	20.1	30.1

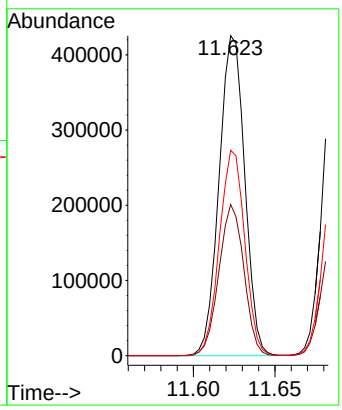




#75
1,3-Dichlorobenzene
Concen: 13.003 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:146 Resp: 46543

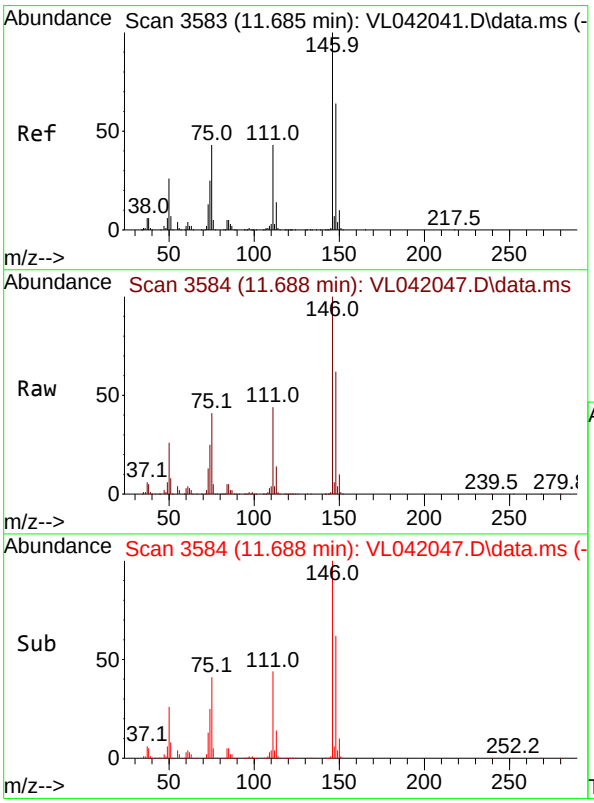
Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.4	67.2
148	63.5	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

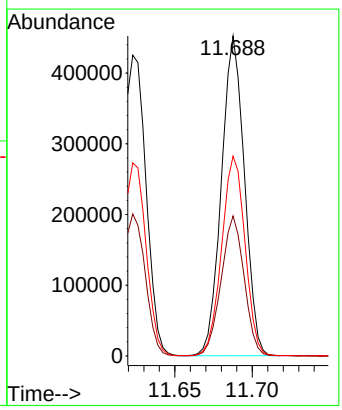
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

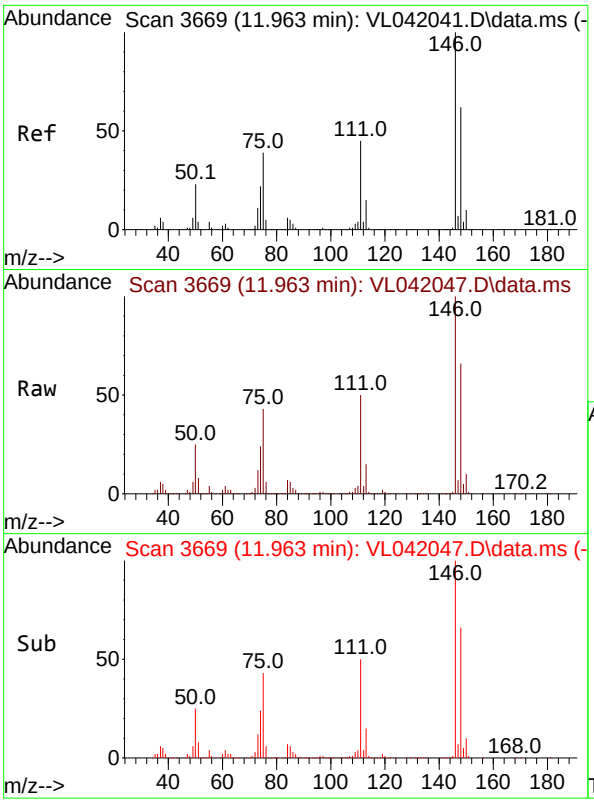


#76
1,4-Dichlorobenzene
Concen: 13.386 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:146 Resp: 467249

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.7	31.6	95.0

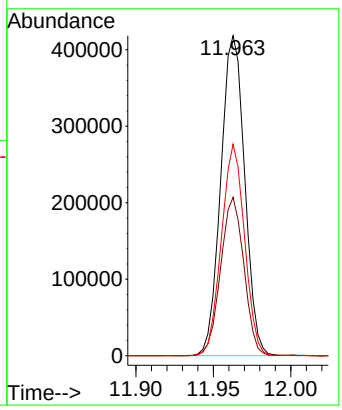




#77
1,2-Dichlorobenzene
Concen: 13.129 ppbv
RT: 11.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:146 Resp: 44922

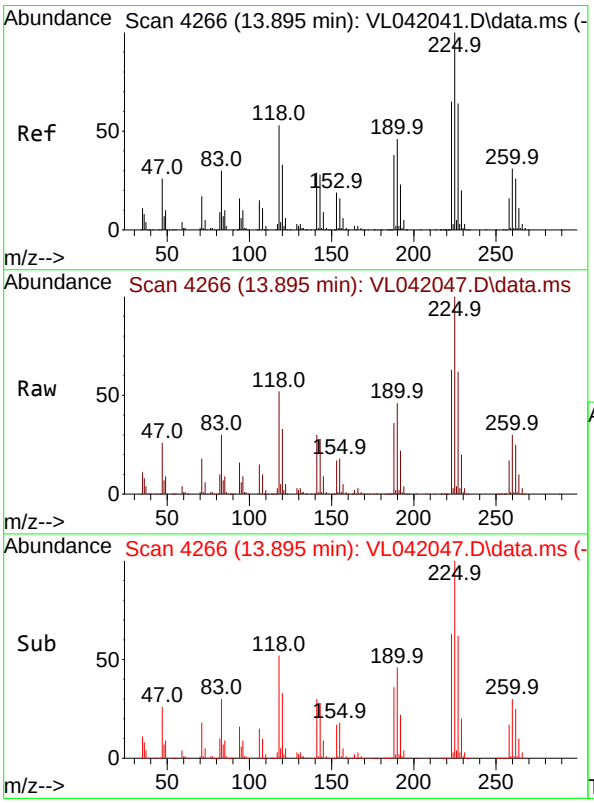
Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.2	69.6
148	64.0	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

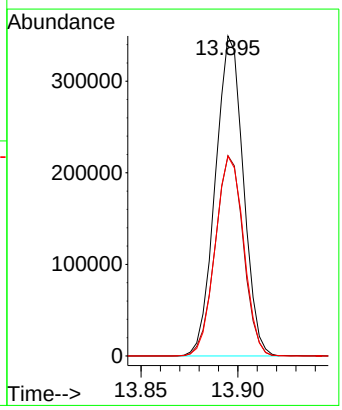
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

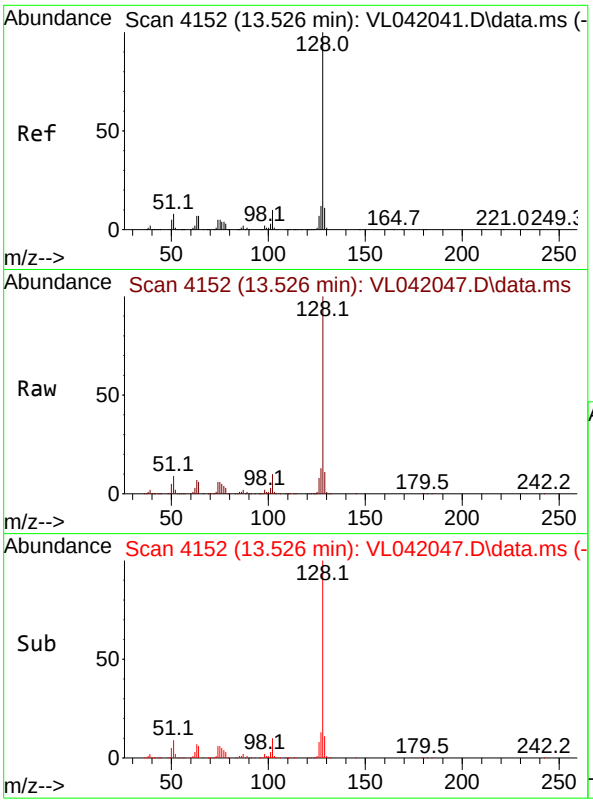


#78
Hexachloro-1,3-Butadiene
Concen: 12.403 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:225 Resp: 351085

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2
227	63.4	50.8	76.2

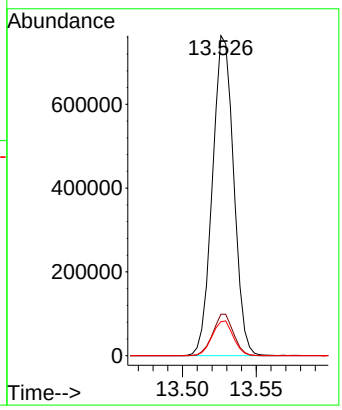




#79
Naphthalene
Concen: 11.696 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:128 Resp: 76499

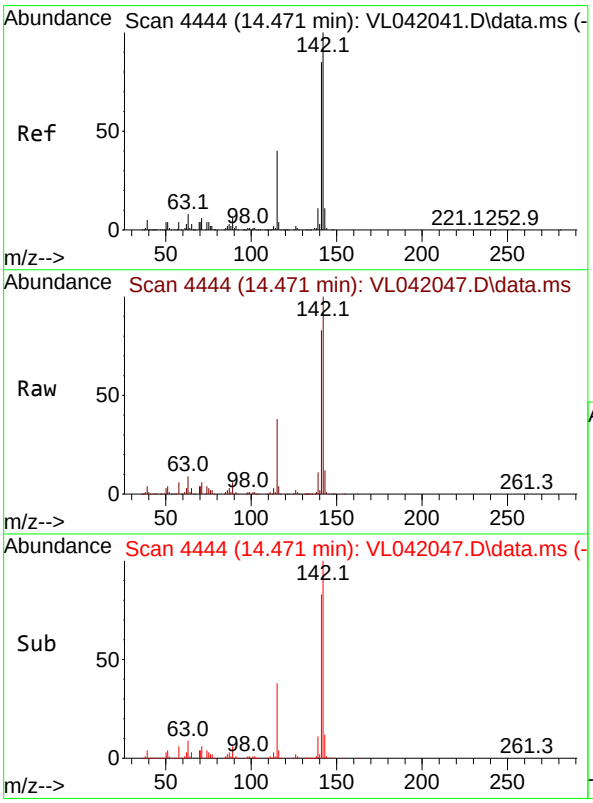
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.6
129	10.7	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

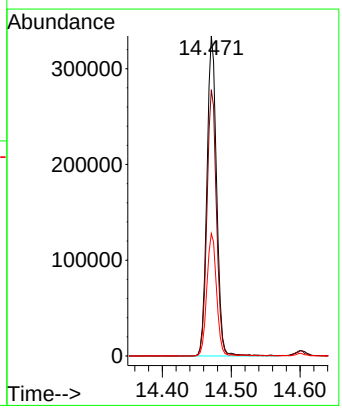
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

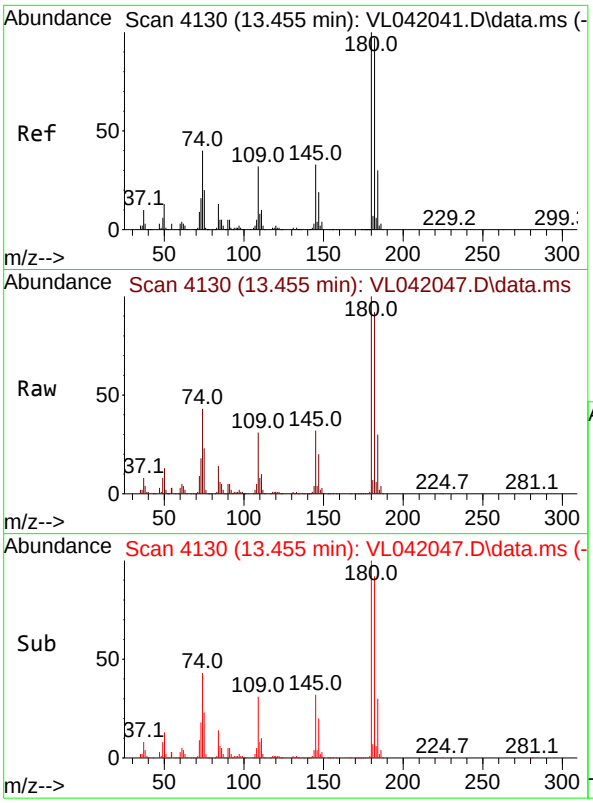


#80
Naphthalene,2-methyl-
Concen: 10.956 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:142 Resp: 324431

Ion	Ratio	Lower	Upper
142	100		
141	82.9	65.8	98.6
115	38.5	29.5	44.3

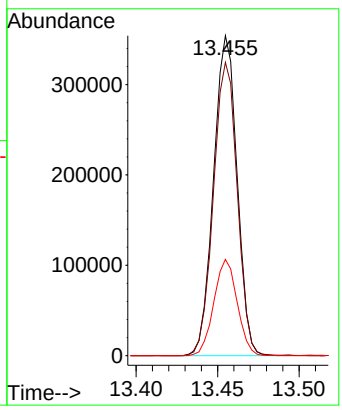




#81
1,2,4-Trichlorobenzene
Concen: 13.351 ppbv
RT: 13.455 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:180 Resp: 35499

Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.1	112.7
184	29.9	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	158881	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	406520	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	350262	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	274527	10.188	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	158709	9.606	ppbv		99
3) Chlorodifluoromethane	1.479	51	219646	9.512	ppbv		100
4) Chloromethane	1.537	50	54628	8.941	ppbv		100
5) Vinyl Chloride	1.586	62	52672	9.114	ppbv		98
6) Bromomethane	1.673	94	25374	9.221	ppbv		100
7) Chloroethane	1.709	64	22174	9.443	ppbv	#	87
8) Dichlorotetrafluoroethane	1.560	85	127046	9.354	ppbv		100
9) Propene	1.489	41	90844	9.657	ppbv		96
10) Heptane	5.010	43	269133	9.188	ppbv		99
11) Trichlorofluoromethane	1.884	101	156871	9.476	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.149	101	115089	8.715	ppbv		99
13) Ethanol	1.728	45	2630	4.404	ppbv		98
14) Bromoethene	1.790	108	43546	9.338	ppbv		98
15) Acetone	1.842	43	118697	8.460	ppbv		97
16) 1,3-Butadiene	1.615	39	61603	9.434	ppbv		98
17) tert-Butyl alcohol	2.049	59	154116	8.779	ppbv		98
18) 1,1-Dichloroethene	2.042	96	51973	8.711	ppbv		98
19) Isopropyl Alcohol	1.894	45	69546	8.629	ppbv		96
20) Methylene Chloride	2.072	84	42028	7.919	ppbv		96
21) Allyl Chloride	2.104	41	90745	8.951	ppbv		98
22) trans-1,2-Dichloroethene	2.350	96	59140	8.502	ppbv		98
23) Vinyl Acetate	2.476	43	93605	9.488	ppbv	#	98
24) 1,1-Dichloroethane	2.421	63	112869	8.721	ppbv		100
25) Ethyl Acetate	2.852	43	533113	9.492	ppbv		99
26) Hexane	2.839	57	208955	9.203	ppbv		97
27) Carbon Disulfide	2.159	76	138176	8.978	ppbv		97
28) Methyl tert-Butyl Ether	2.453	73	94554	8.365	ppbv		100
29) Chloroform	2.865	83	281191	9.202	ppbv		97
30) Cyclohexane	3.878	84	168830	9.161	ppbv		94
31) cis-1,2-Dichloroethene	2.735	61	199564	9.285	ppbv		99
32) 1,1,1-Trichloroethane	3.386	97	278512	9.396	ppbv		98
34) 2-Butanone	2.570	43	308064	9.727	ppbv		97
35) Carbon Tetrachloride	3.784	117	276599	9.867	ppbv		98
36) Benzene	3.677	78	399804	9.395	ppbv		98
37) 1,2-Dichloroethane	3.233	62	223946	9.491	ppbv		99
38) Trichloroethene	4.573	130	156488	9.005	ppbv		96
39) 1,2-Dichloropropane	4.340	63	152063	9.414	ppbv		97
40) 1,4-Dioxane	4.616	88	65010	8.817	ppbv	#	98
41) Tetrahydrofuran	3.072	42	181453	9.696	ppbv		99
42) Bromodichloromethane	4.512	83	305385	9.606	ppbv		97
43) Methyl Methacrylate	4.910	69	160954	9.685	ppbv		95
44) 2,2,4-Trimethylpentane	4.667	57	712051	9.480	ppbv		99
45) t-1,3-Dichloropropene	6.447	75	159680	9.671	ppbv		90

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.635	75	206836	9.680	ppbv		96
47)	1,1,2-Trichloroethane	6.613	97	148220	9.039	ppbv		95
48)	Dibromochloromethane	7.412	129	241593	9.407	ppbv		100
49)	Bromoform	9.503	173	210370	9.432	ppbv		98
50)	4-Methyl-2-Pentanone	5.790	43	431123	10.526	ppbv		98
51)	2-Hexanone	7.464	43	354515	12.576	ppbv	#	100
52)	Tetrachloroethene	8.247	164	134062	9.202	ppbv		97
53)	Toluene	6.962	91	448495	9.430	ppbv		98
54)	1,2-Dibromoethane	7.677	107	206335	9.307	ppbv		96
56)	1,1,1,2-Tetrachloroethane	8.946	131	182800	9.234	ppbv		99
57)	Chlorobenzene	8.943	112	334696	9.216	ppbv		99
58)	Ethyl Benzene	9.377	91	613622	9.513	ppbv		99
59)	m/p-Xylene	9.571	91	977425m	19.041	ppbv		
60)	o-Xylene	9.985	91	481683	9.334	ppbv		100
61)	Styrene	9.891	104	241617	9.959	ppbv		99
62)	Isopropylbenzene	10.558	105	729350	9.437	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.982	83	312794	9.204	ppbv		99
64)	n-propylbenzene	11.008	120	192704	9.506	ppbv		99
65)	tert-Butylbenzene	11.548	119	632202	8.988	ppbv		100
66)	Benzyl Chloride	11.633	91	52645	9.808	ppbv		98
67)	sec-Butylbenzene	11.785	105	914405	9.090	ppbv		99
69)	p-Isopropyltoluene	11.940	119	753761	9.418	ppbv		100
70)	n-Butylbenzene	12.296	91	781034	9.560	ppbv		99
71)	2-Chlorotoluene	10.917	91	559993	9.399	ppbv		100
72)	4-Ethyltoluene	11.144	105	602156	9.557	ppbv		99
73)	1,3,5-Trimethylbenzene	11.222	105	505451	9.248	ppbv		100
74)	1,2,4-Trimethylbenzene	11.555	105	547176	8.891	ppbv		95
75)	1,3-Dichlorobenzene	11.623	146	324491	9.161	ppbv		98
76)	1,4-Dichlorobenzene	11.688	146	322712	9.176	ppbv		99
77)	1,2-Dichlorobenzene	11.963	146	312159	9.081	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.895	225	228480	8.543	ppbv		99
79)	Naphthalene	13.529	128	513148	12.160	ppbv		98
80)	Naphthalene,2-methyl-	14.474	142	198077	17.152	ppbv		98
81)	1,2,4-Trichlorobenzene	13.455	180	234354	9.965	ppbv		97

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

Quantitation Report (QT Reviewed)

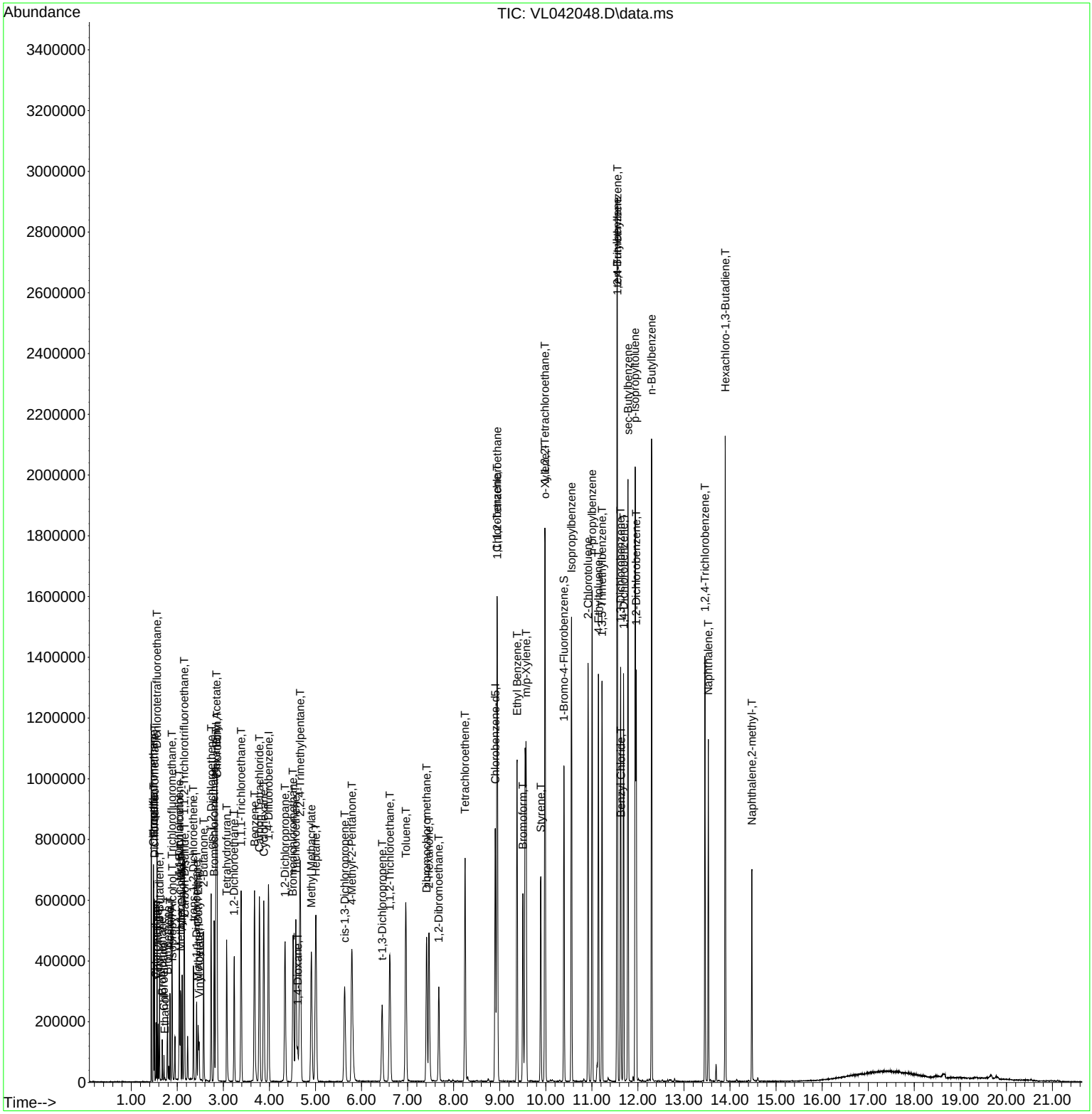
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

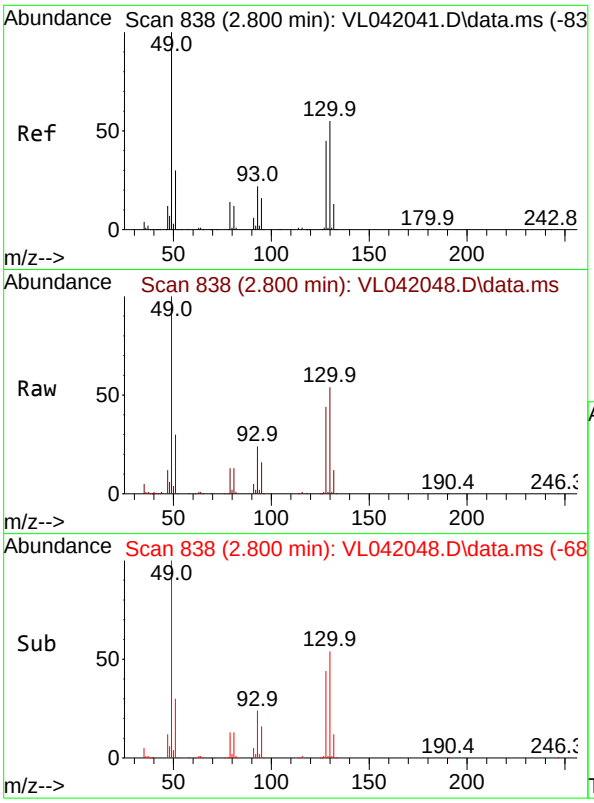
Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

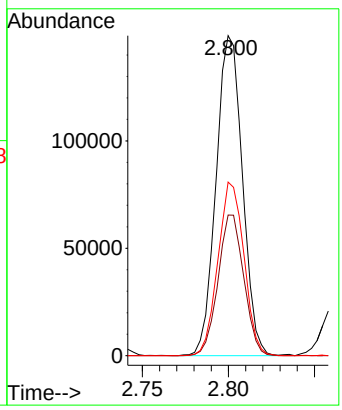




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 49 Resp: 15888

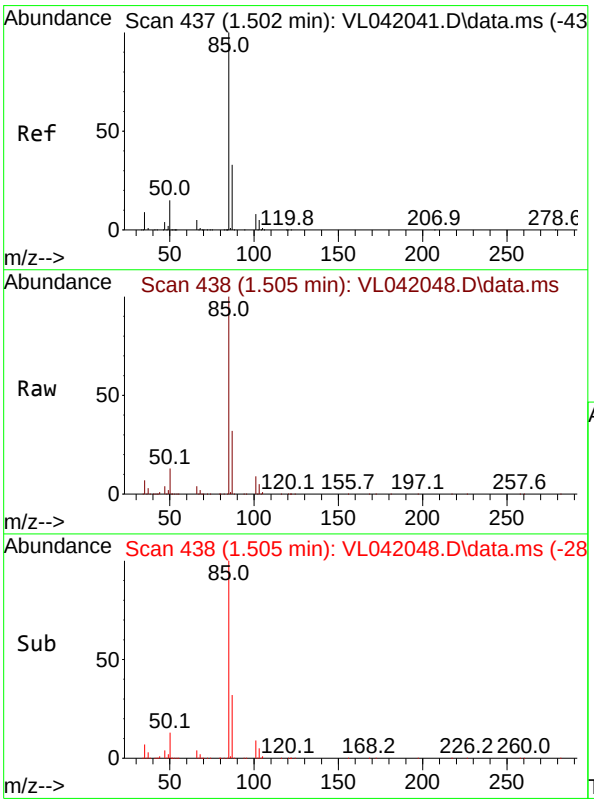
Ion	Ratio	Lower	Upper
49	100		
128	43.0	21.6	64.8
130	53.4	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

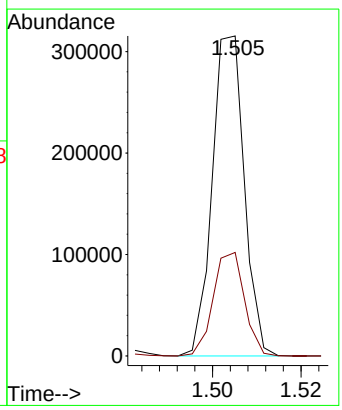
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

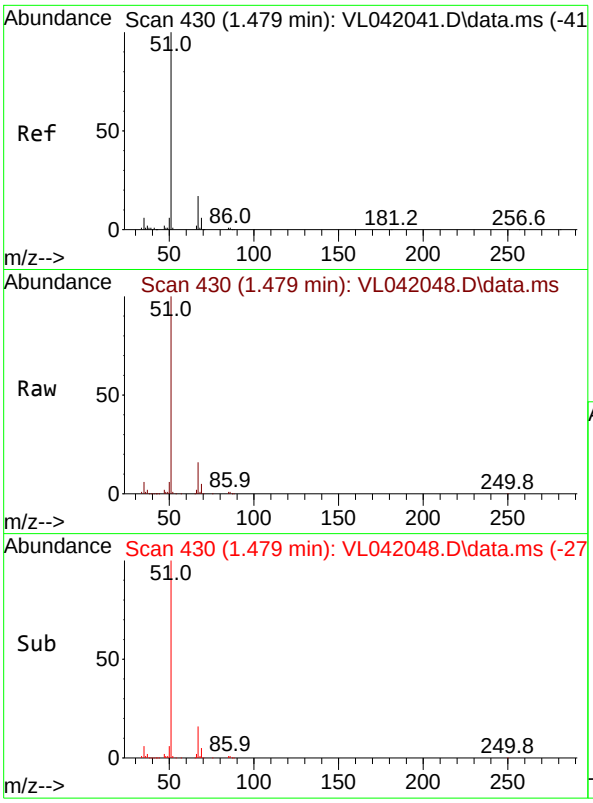


#2
Dichlorodifluoromethane
Concen: 9.606 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 85 Resp: 158709

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.4	39.6

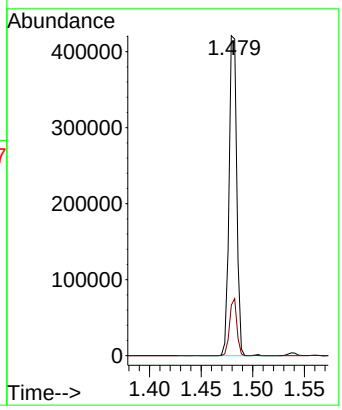




#3
Chlorodifluoromethane
Concen: 9.512 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 51 Resp: 21964

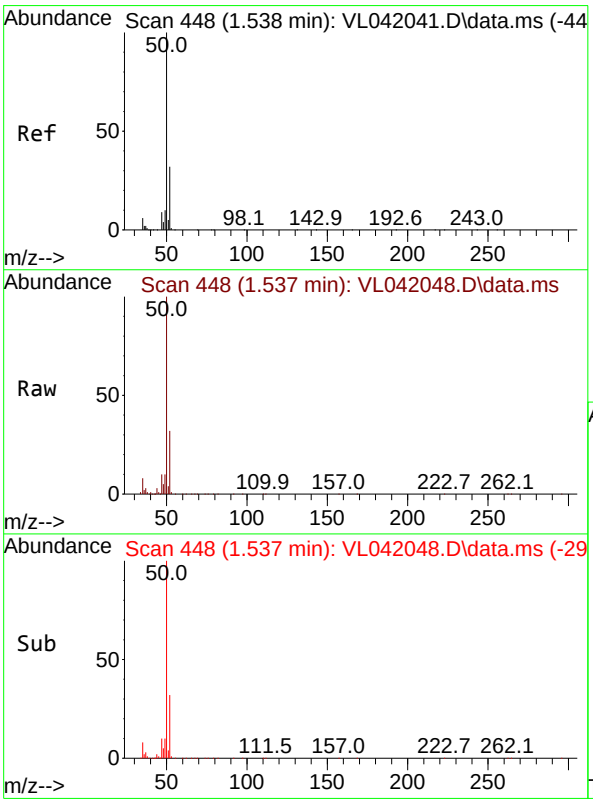
Ion	Ratio	Lower	Upper
51	100		
67	16.9	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

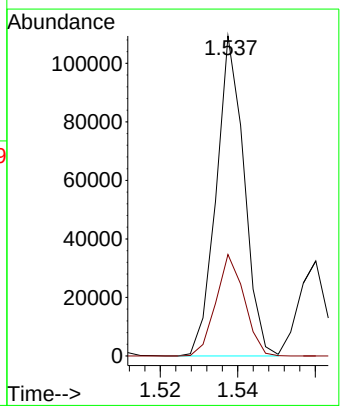
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

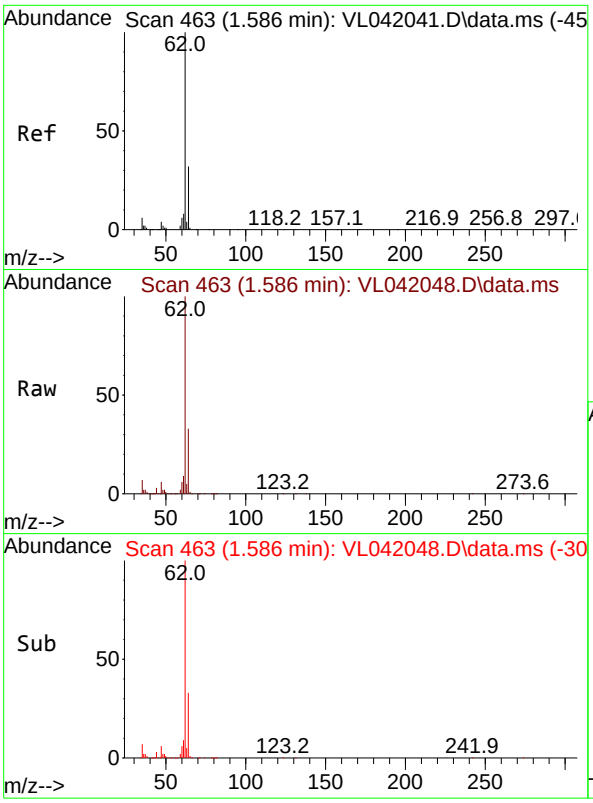


#4
Chloromethane
Concen: 8.941 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 50 Resp: 54628

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.4	38.0

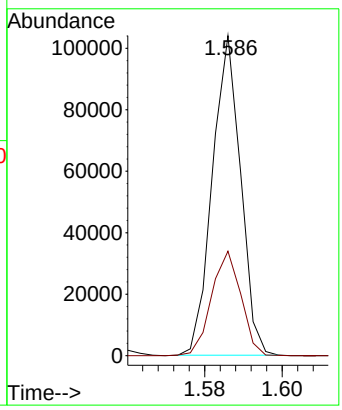




#5
Vinyl Chloride
Concen: 9.114 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 62 Resp: 5267

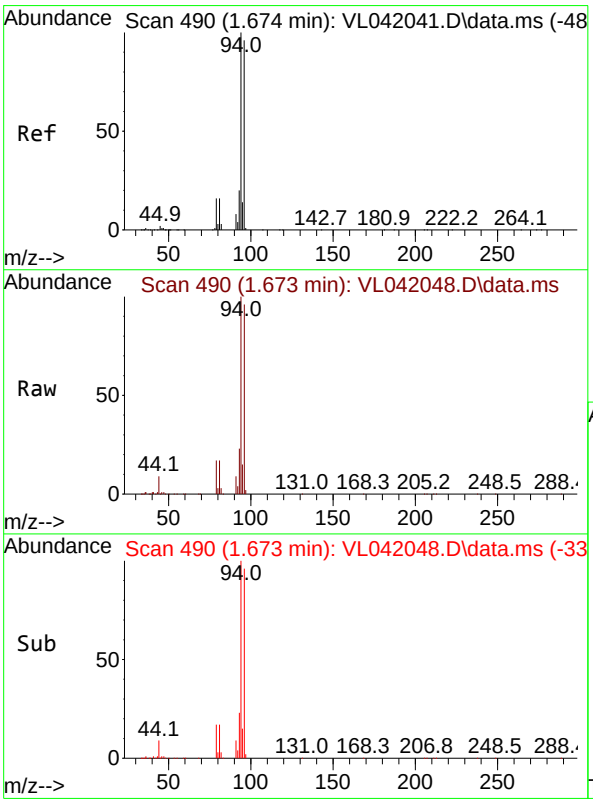
Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.3	37.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

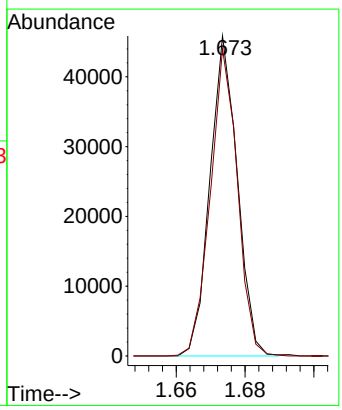
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

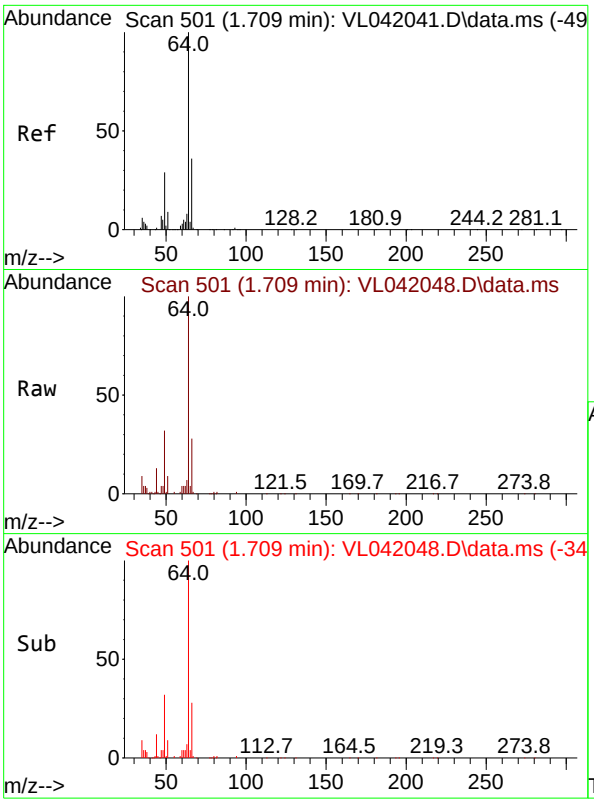


#6
Bromomethane
Concen: 9.221 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 94 Resp: 25374

Ion	Ratio	Lower	Upper
94	100		
96	96.0	76.5	114.7





#7
Chloroethane
Concen: 9.443 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

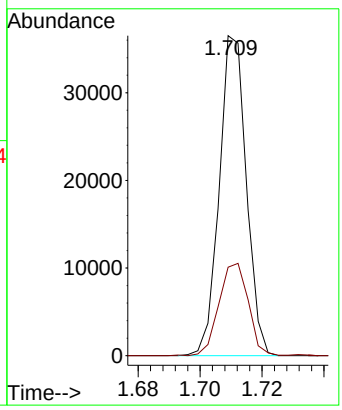
Tgt Ion: 64 Resp: 2217

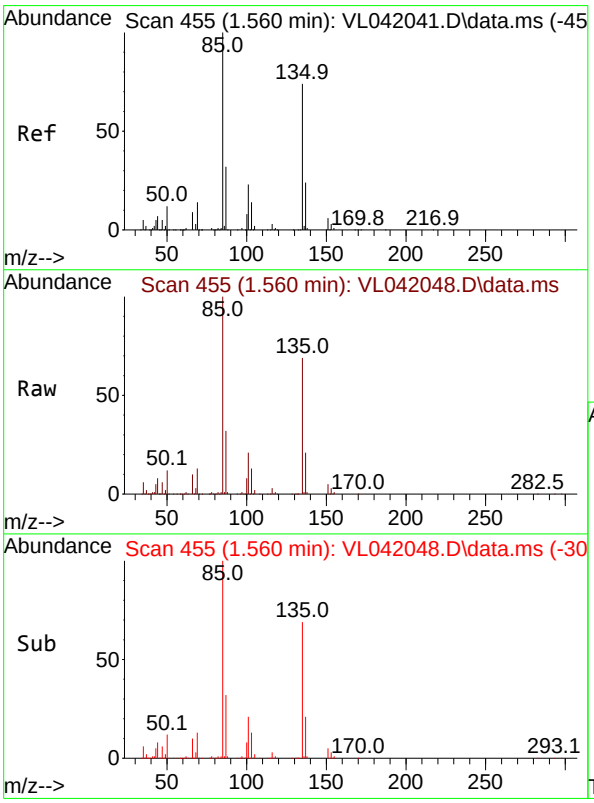
Ion	Ratio	Lower	Upper
64	100		
66	27.6	28.4	42.6

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

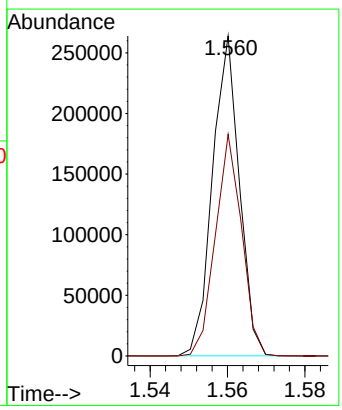


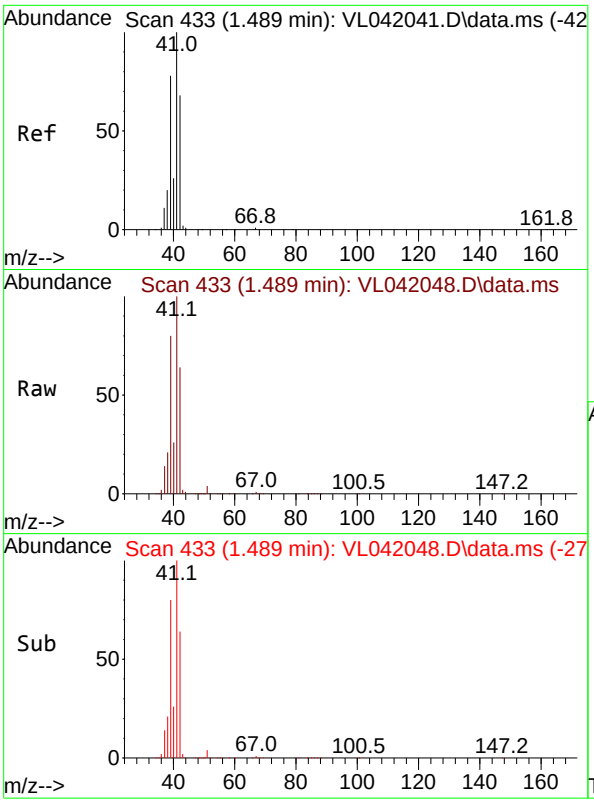


#8
Dichlorotetrafluoroethane
Concen: 9.354 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 85 Resp: 127046

Ion	Ratio	Lower	Upper
85	100		
135	68.0	54.6	81.8

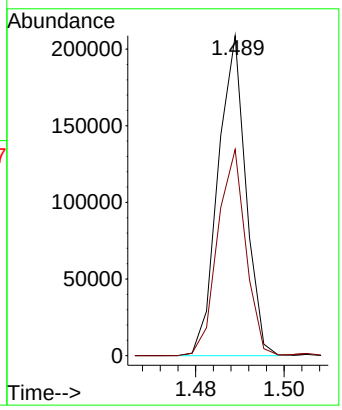




#9
Propene
Concen: 9.657 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 41 Resp: 9084

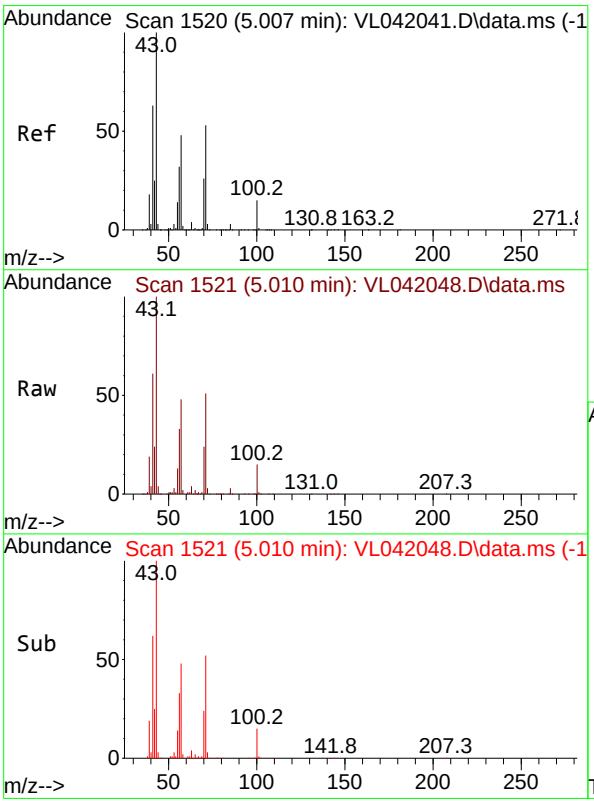
Ion	Ratio	Lower	Upper
41	100		
42	66.2	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

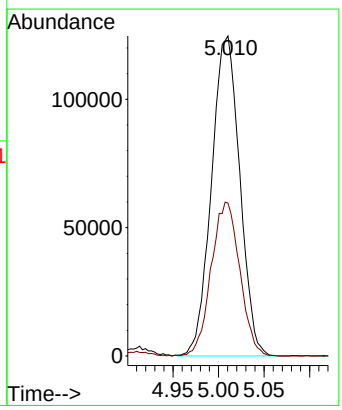
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

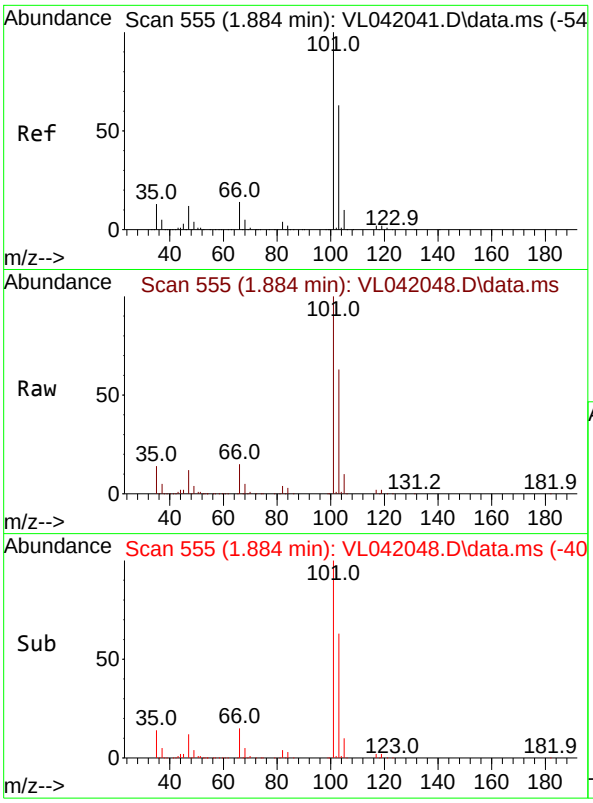


#10
Heptane
Concen: 9.188 ppbv
RT: 5.010 min Scan# 1521
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 269133

Ion	Ratio	Lower	Upper
43	100		
57	48.6	39.4	59.0

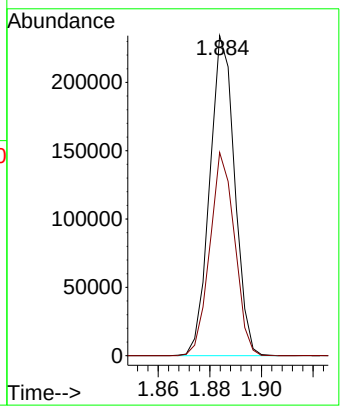




#11
Trichlorofluoromethane
Concen: 9.476 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:101 Resp: 15687

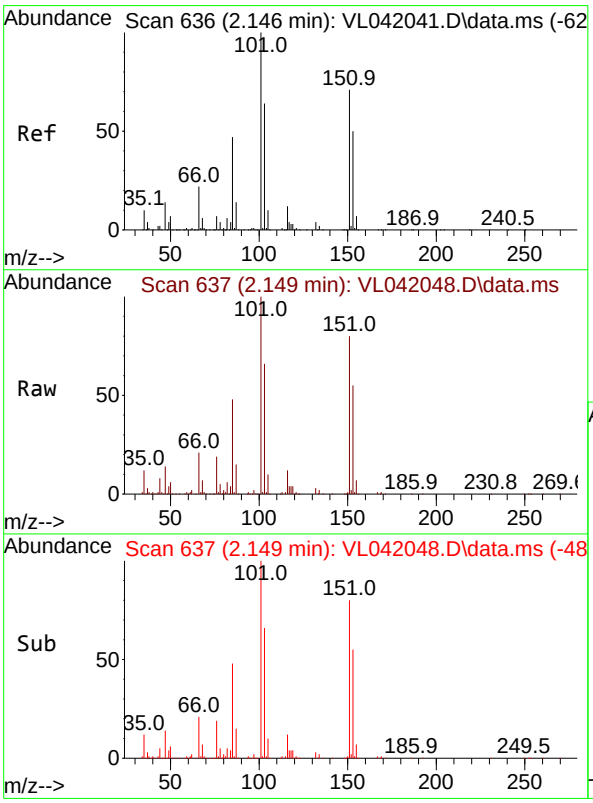
Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.6	75.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

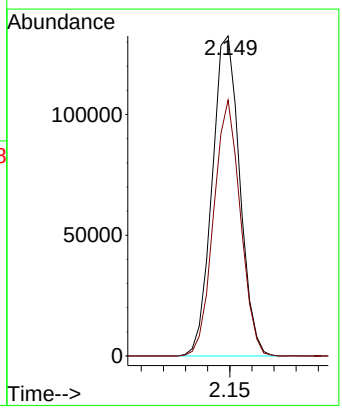
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

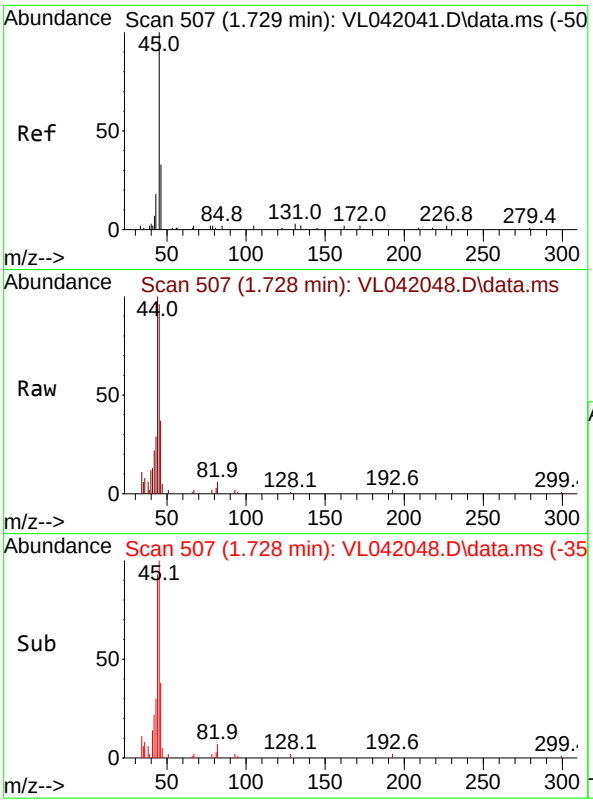


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:101 Resp: 115089

Ion	Ratio	Lower	Upper
101	100		
151	77.3	62.6	94.0

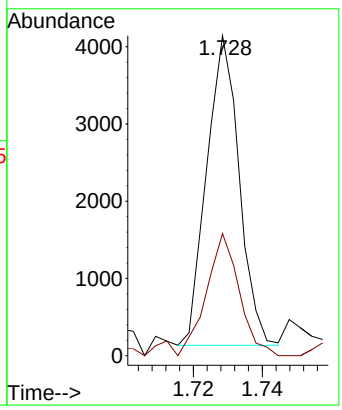




#13
Ethanol
Concen: 4.404 ppbv
RT: 1.728 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 45 Resp: 263(

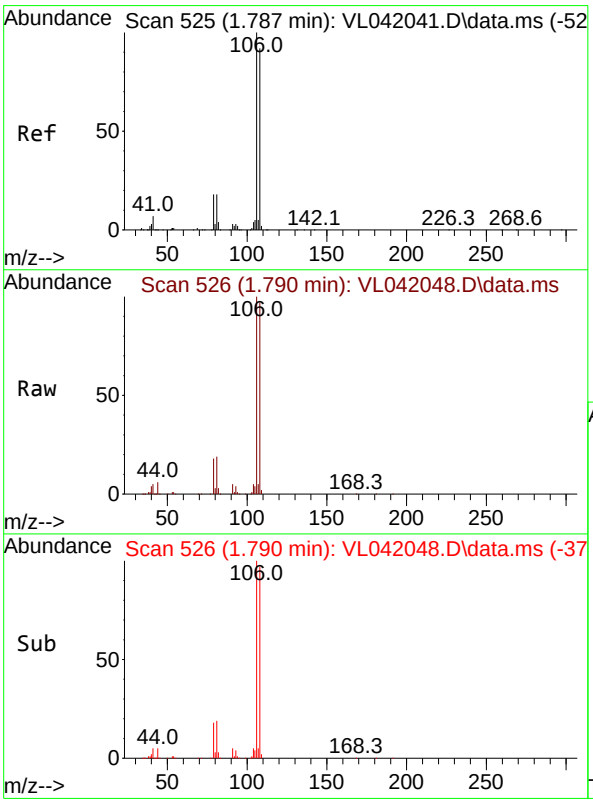
Ion	Ratio	Lower	Upper
45	100		
46	44.0	17.1	68.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

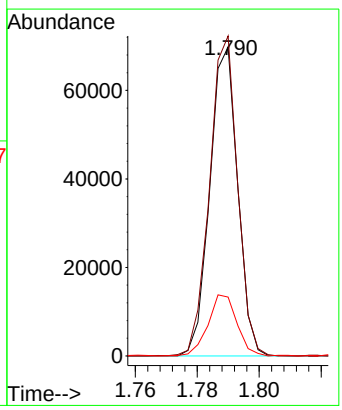
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

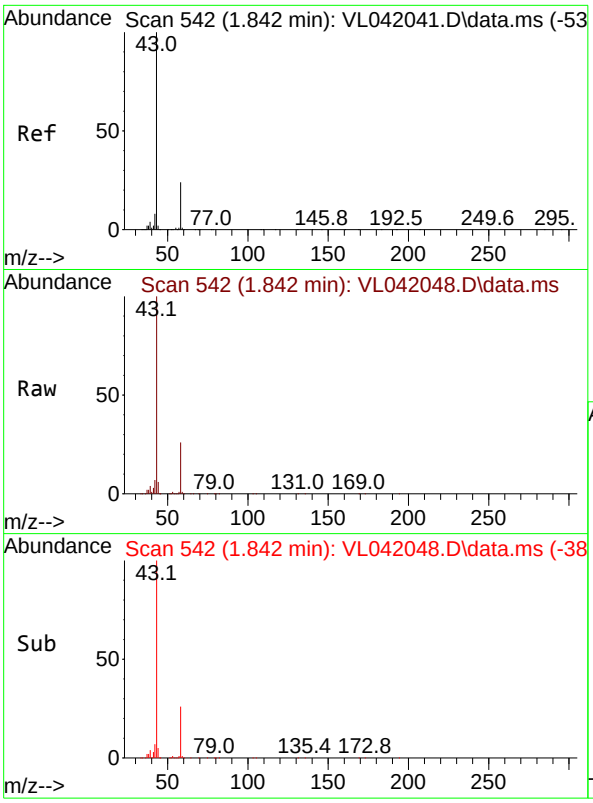


#14
Bromoethene
Concen: 9.338 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:108 Resp: 43546

Ion	Ratio	Lower	Upper
108	100		
106	104.1	85.4	128.0
79	21.0	16.5	24.7

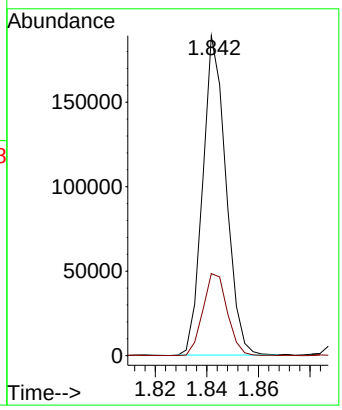




#15
Acetone
Concen: 8.460 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 11869

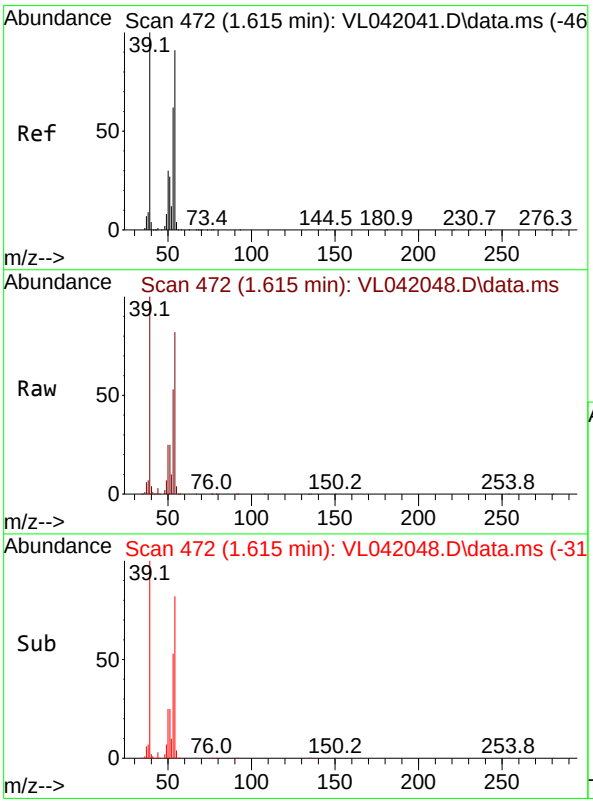
Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

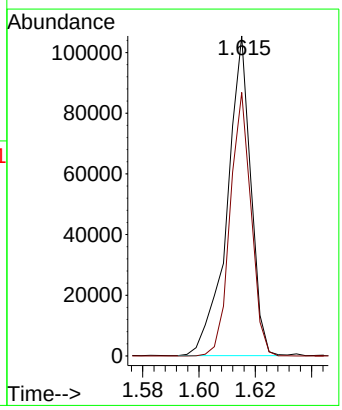
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

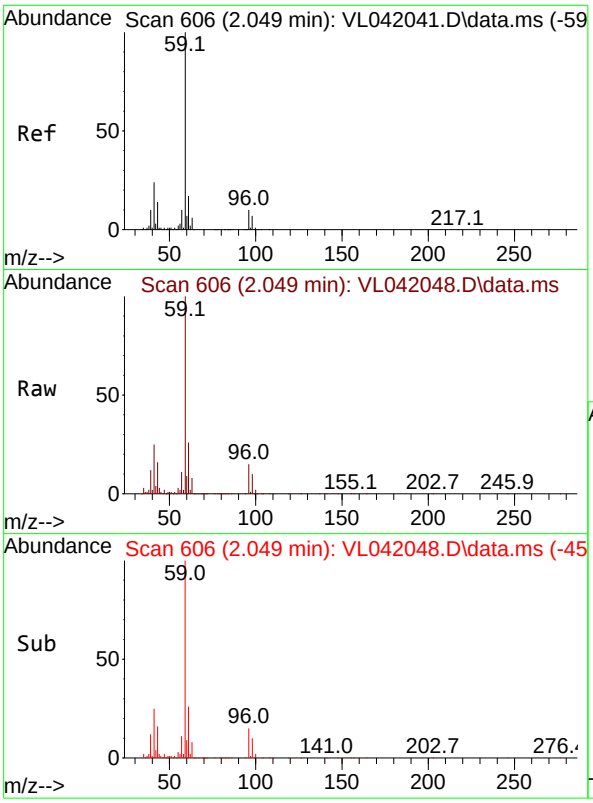


#16
1,3-Butadiene
Concen: 9.434 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 39 Resp: 61603

Ion	Ratio	Lower	Upper
39	100		
54	72.5	59.6	89.4

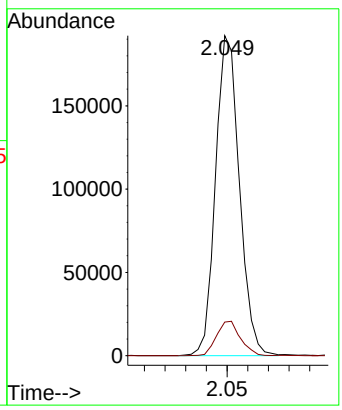




#17
tert-Butyl alcohol
Concen: 8.779 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 59 Resp: 15411

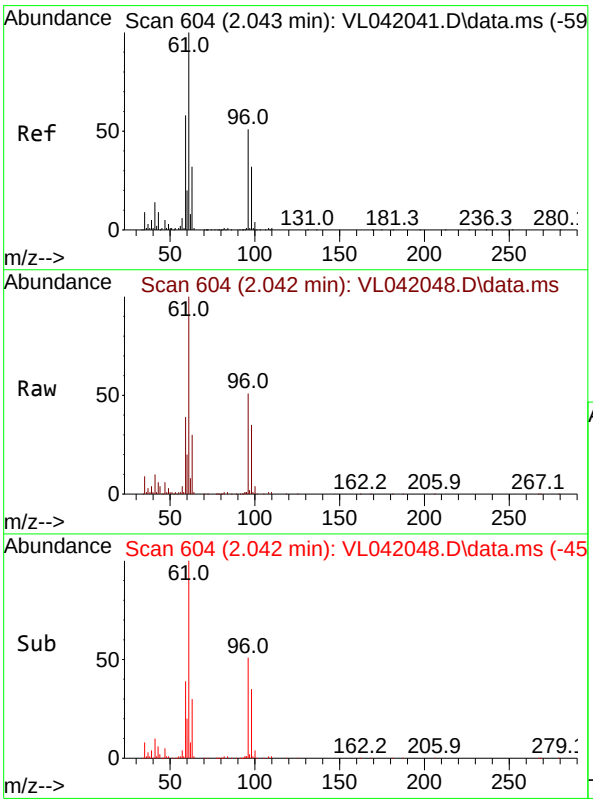
Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

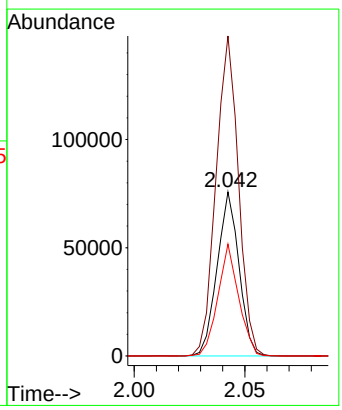
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

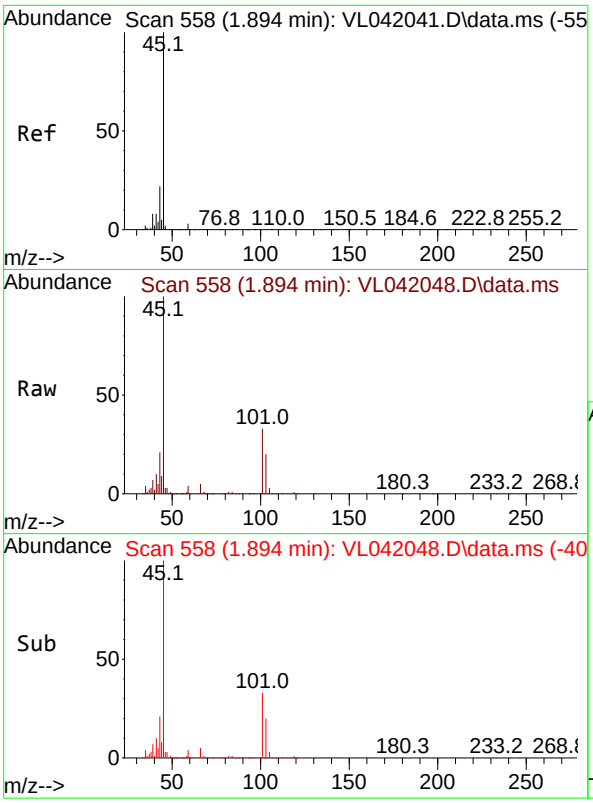


#18
1,1-Dichloroethene
Concen: 8.711 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 96 Resp: 51973

Ion	Ratio	Lower	Upper
96	100		
61	195.1	156.0	234.0
98	68.3	49.4	74.2

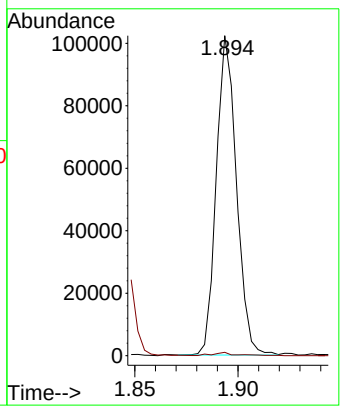




#19
Isopropyl Alcohol
Concen: 8.629 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 45 Resp: 6954

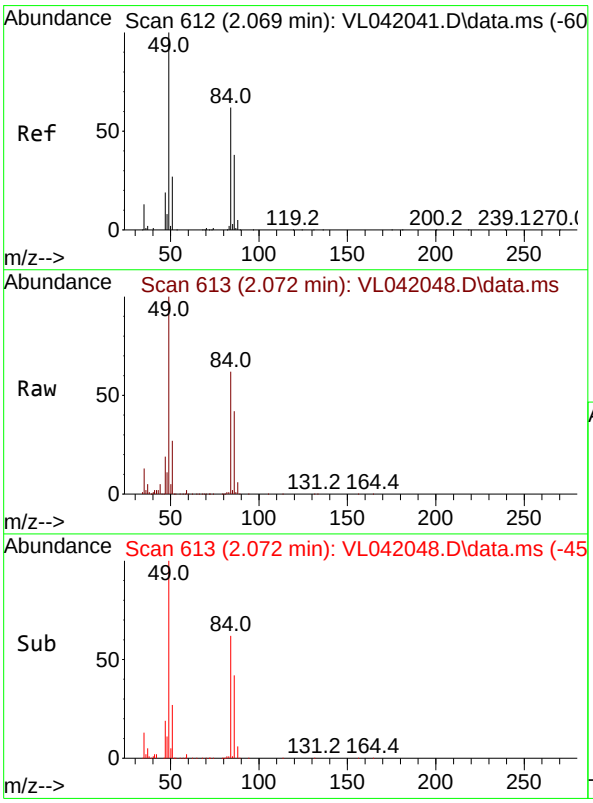
Ion	Ratio	Lower	Upper
45	100		
58	46.7	35.3	52.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

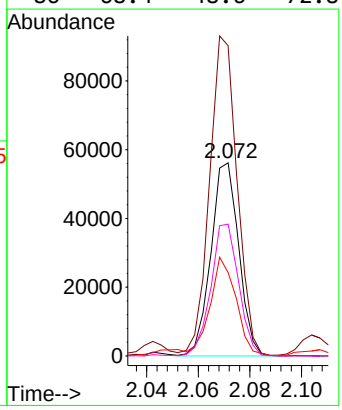
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

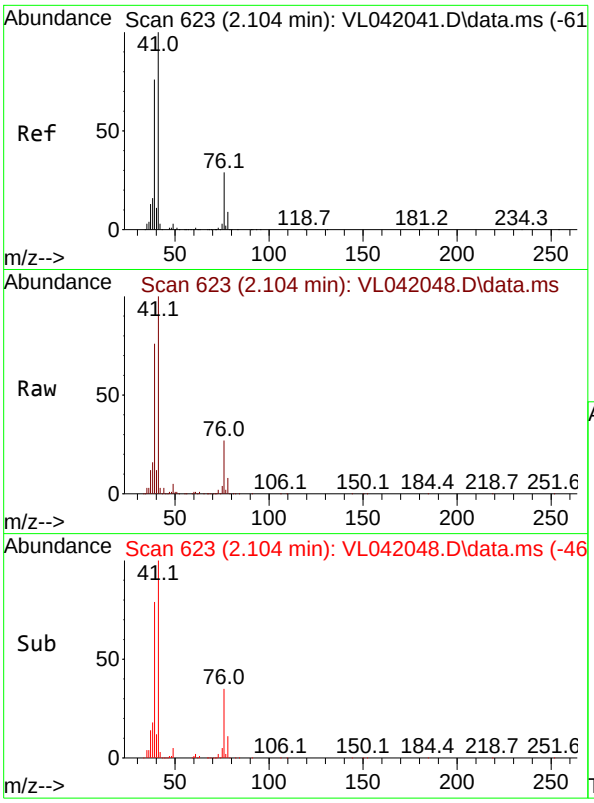


#20
Methylene Chloride
Concen: 7.919 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 84 Resp: 42028

Ion	Ratio	Lower	Upper
84	100		
49	160.5	130.0	195.0
51	43.0	37.4	56.0
86	68.4	48.6	72.8

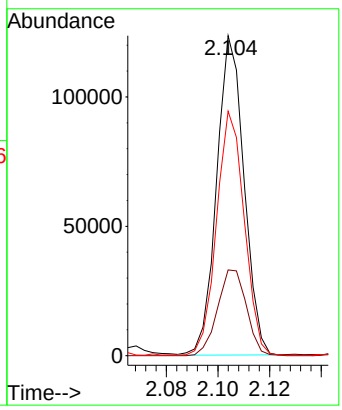




#21
Allyl Chloride
Concen: 8.951 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 41 Resp: 9074

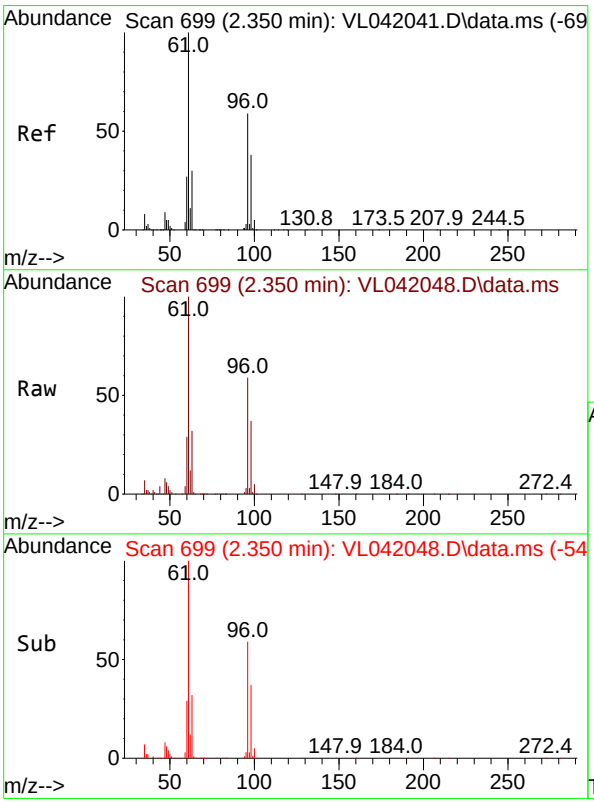
Ion	Ratio	Lower	Upper
41	100		
76	28.5	23.8	35.6
39	77.5	63.8	95.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

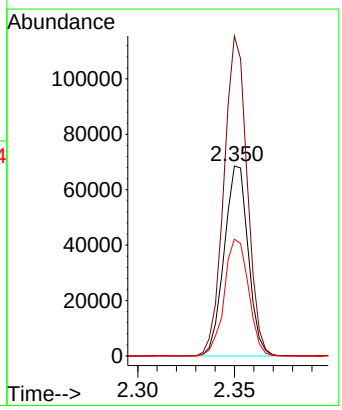
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

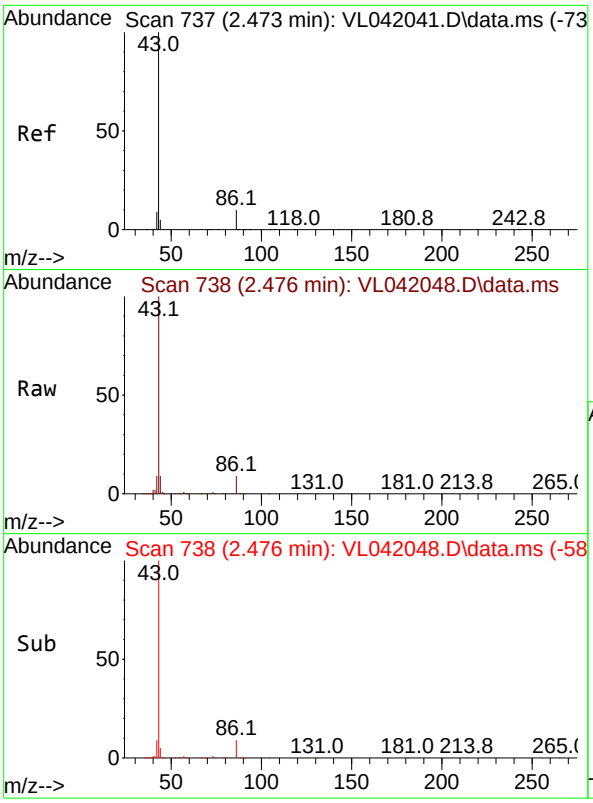


#22
trans-1,2-Dichloroethene
Concen: 8.502 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 96 Resp: 59140

Ion	Ratio	Lower	Upper
96	100		
61	168.4	136.6	205.0
98	61.5	51.8	77.6

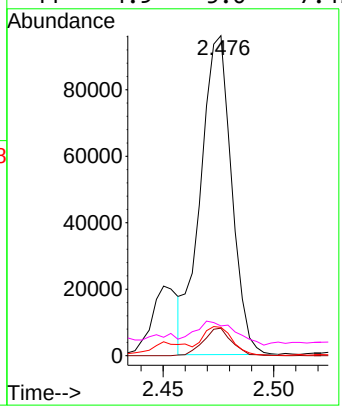




#23
Vinyl Acetate
Concen: 9.488 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 9360

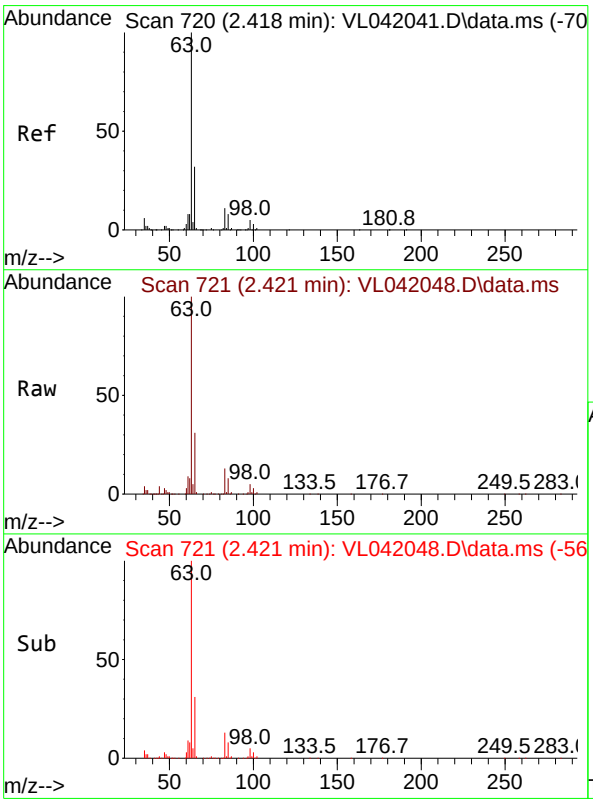
Ion	Ratio	Lower	Upper
43	100		
86	8.6	7.0	10.4
42	8.3	7.6	11.4
44	4.9	5.0	7.4#



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

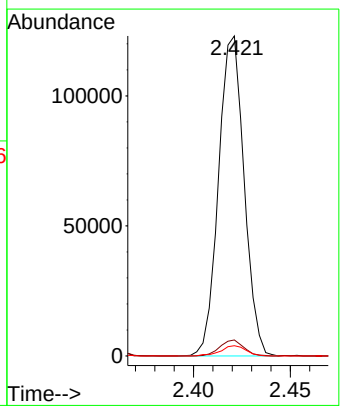
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

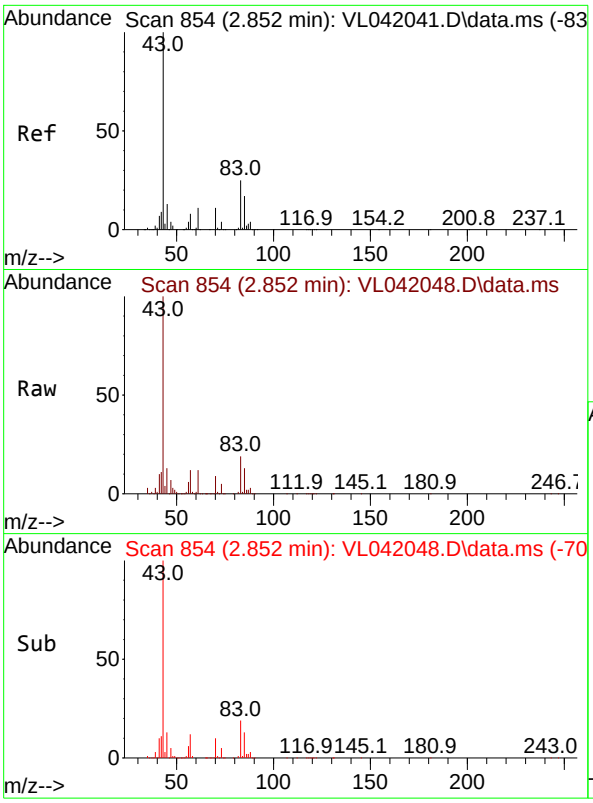


#24
1,1-Dichloroethane
Concen: 8.721 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 63 Resp: 112869

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.2
100	3.2	1.7	5.0

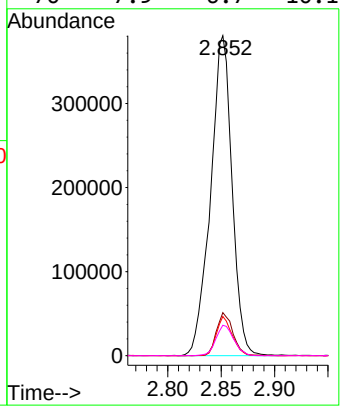




#25
Ethyl Acetate
Concen: 9.492 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 53311

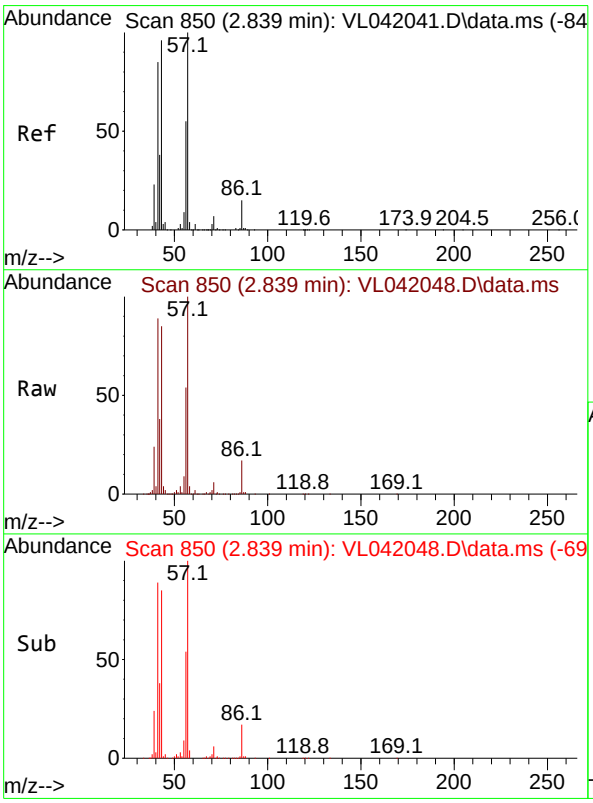
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.0	7.2	10.8
70	7.9	6.7	10.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

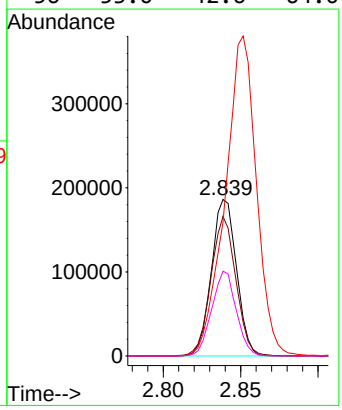
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

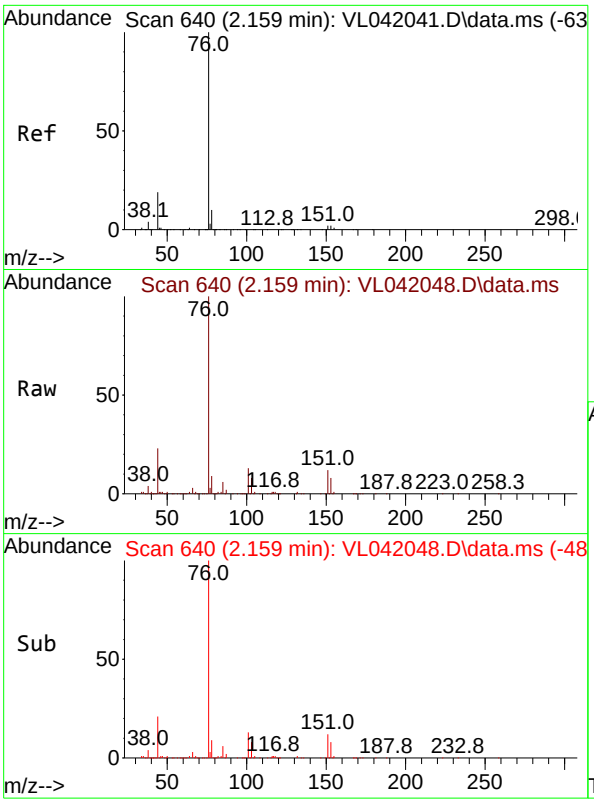


#26
Hexane
Concen: 9.203 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 57 Resp: 208955

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.6	106.0
43	256.2	199.4	299.0
56	53.0	42.6	64.0





#27
Carbon Disulfide
Concen: 8.978 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

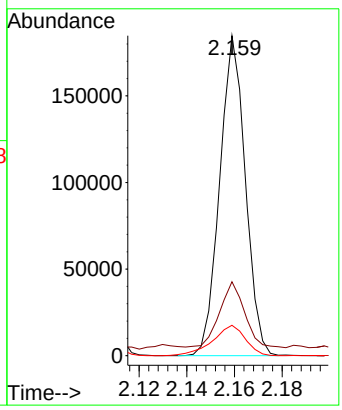
Tgt Ion: 76 Resp: 13817(

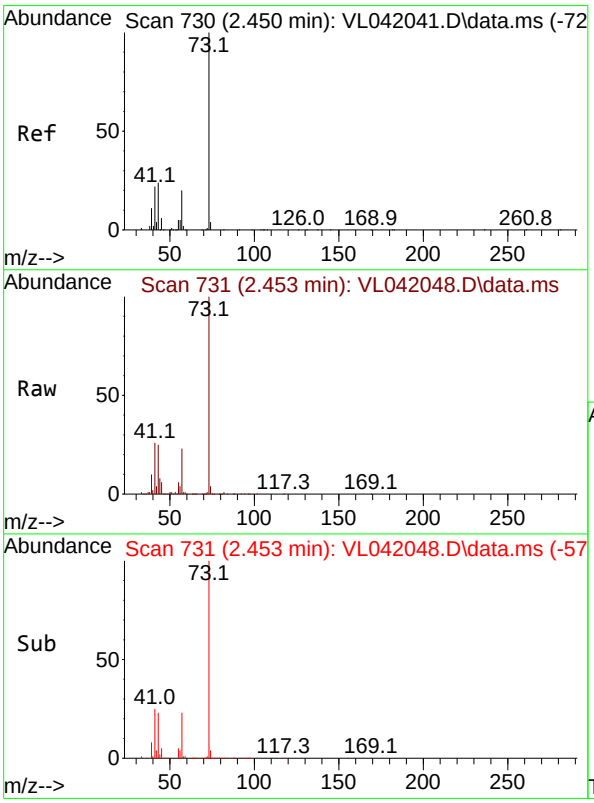
Ion	Ratio	Lower	Upper
76	100		
44	21.9	16.2	24.2
78	12.1	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

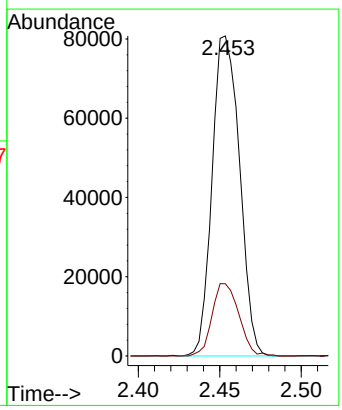


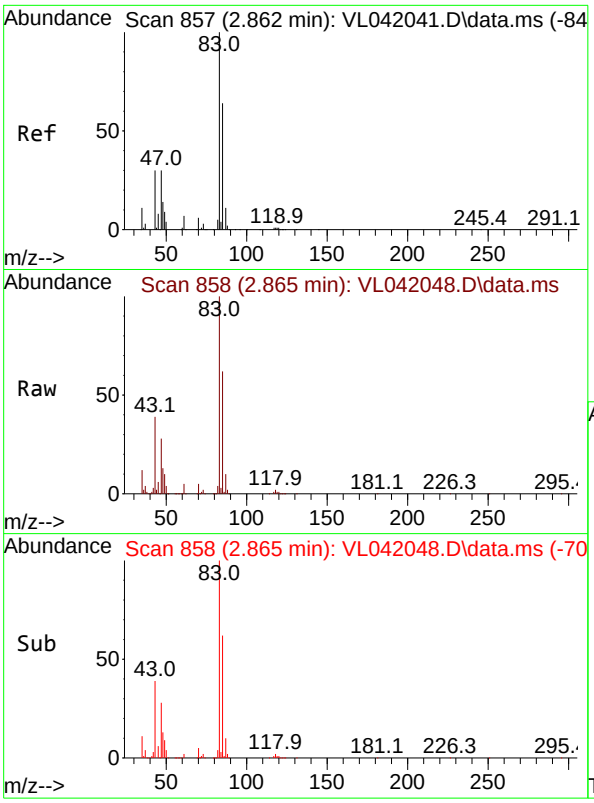


#28
Methyl tert-Butyl Ether
Concen: 8.365 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 73 Resp: 94554

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

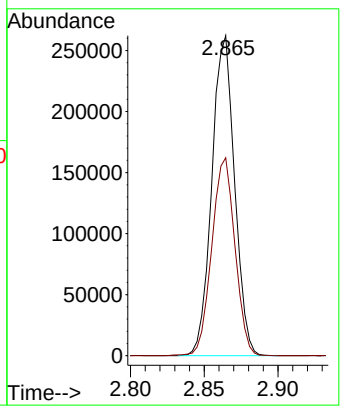




#29
Chloroform
Concen: 9.202 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 83 Resp: 28119

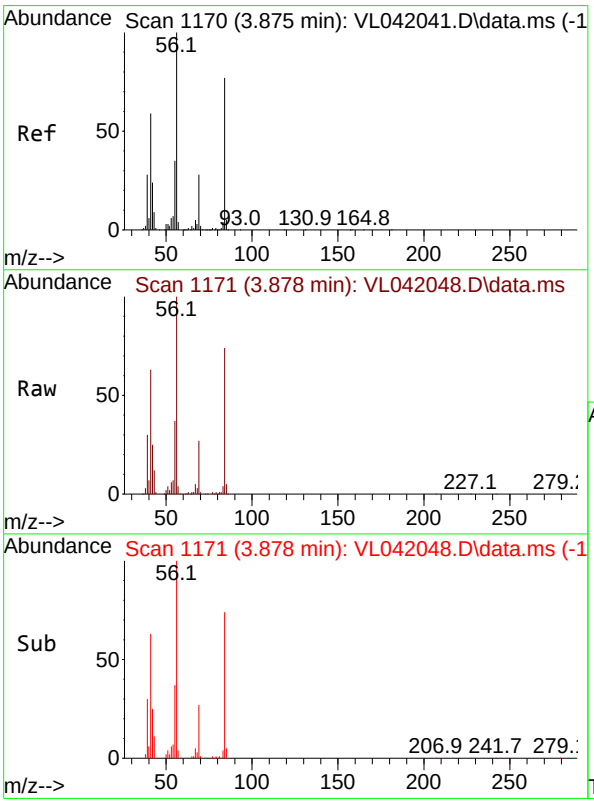
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

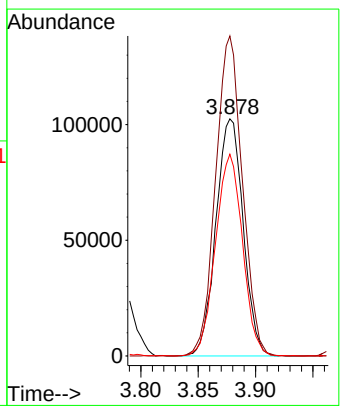
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

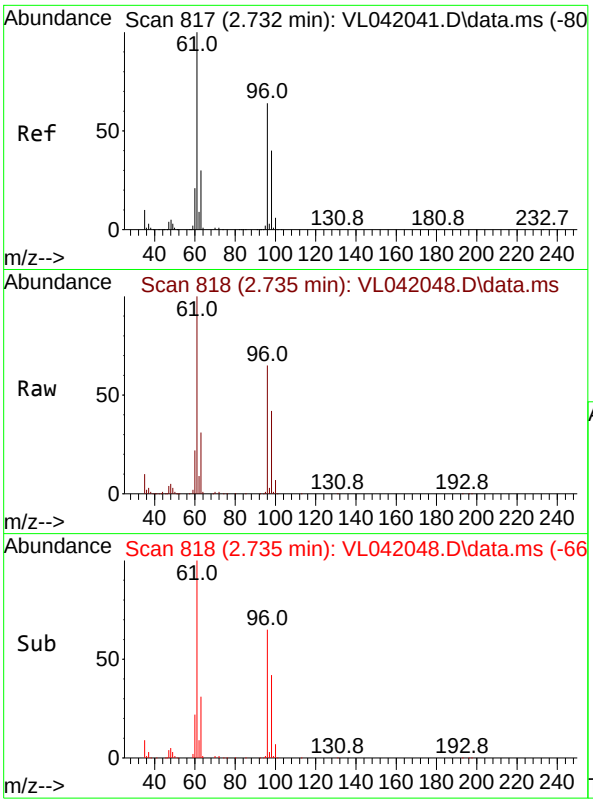


#30
Cyclohexane
Concen: 9.161 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 84 Resp: 168830

Ion	Ratio	Lower	Upper
84	100		
56	133.0	101.5	152.3
41	84.8	62.6	93.8

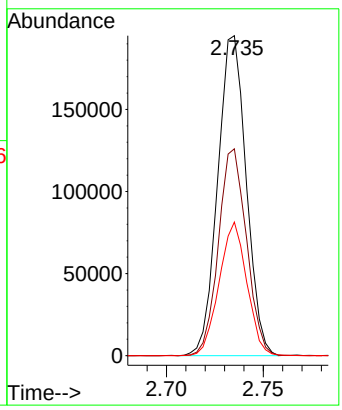




#31
cis-1,2-Dichloroethene
Concen: 9.285 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 61 Resp: 19956

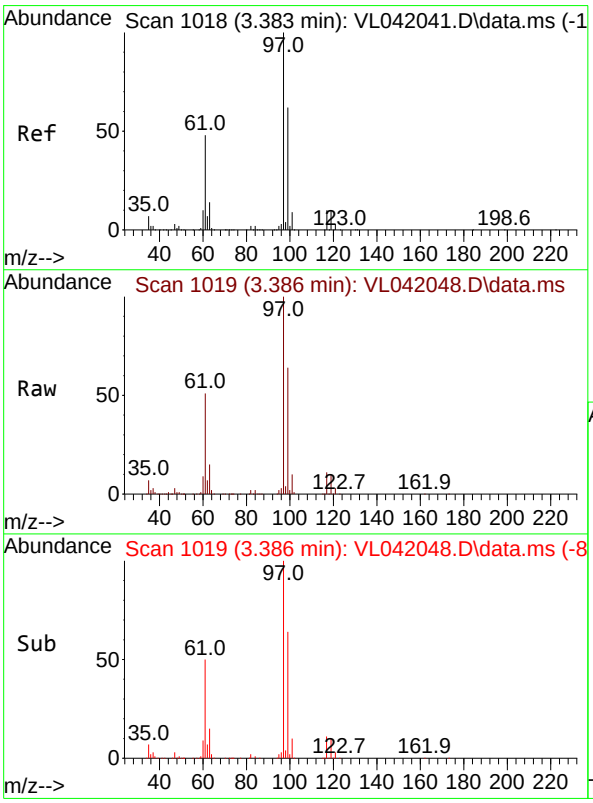
Ion	Ratio	Lower	Upper
61	100		
96	64.7	51.5	77.3
98	41.8	32.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

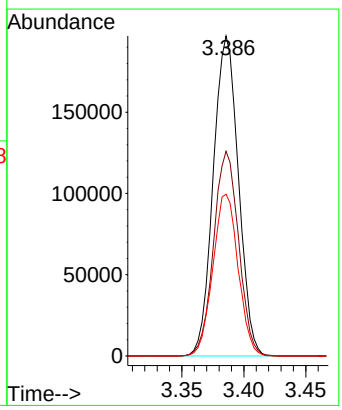
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

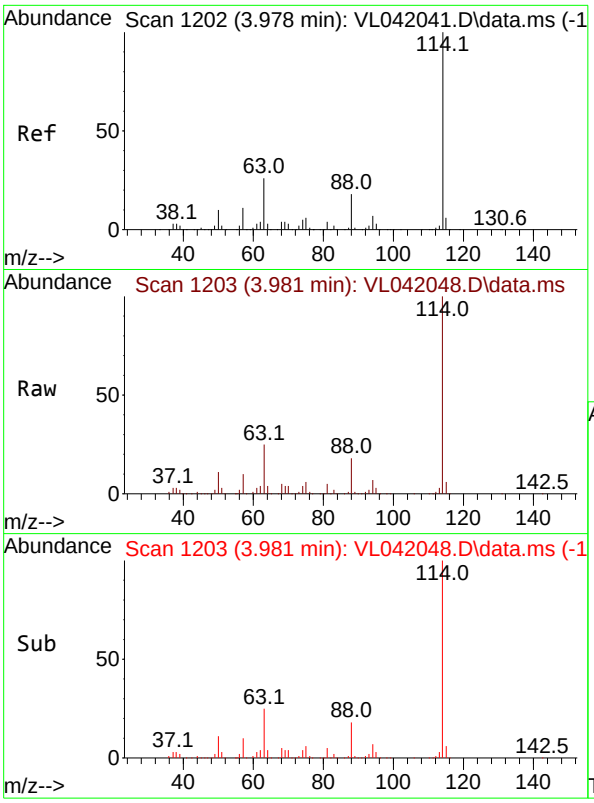


#32
1,1,1-Trichloroethane
Concen: 9.396 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 97 Resp: 278512

Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.8	74.6
61	50.8	38.9	58.3

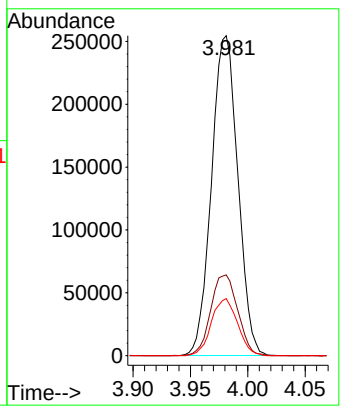




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:114 Resp: 40652

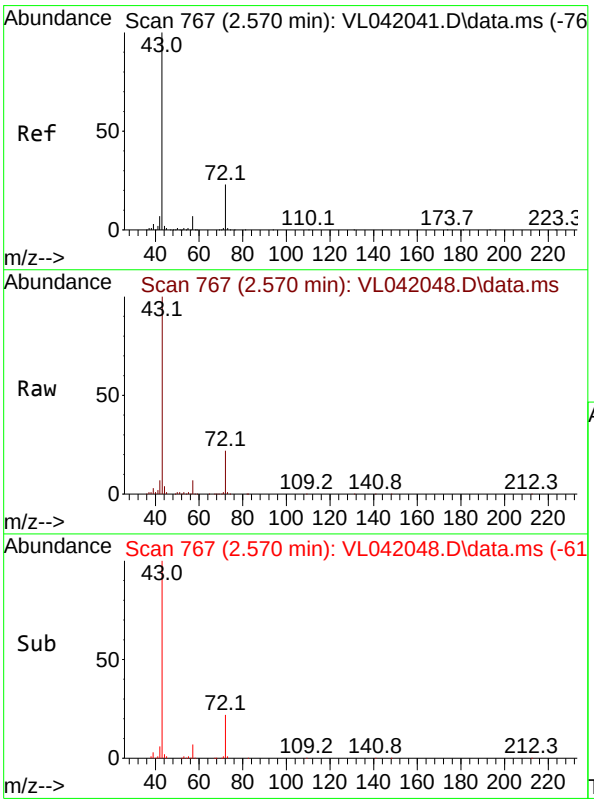
Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.1	30.1
88	17.8	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

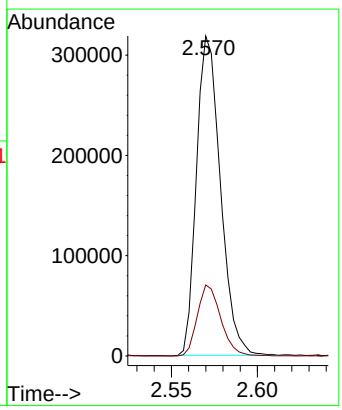
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

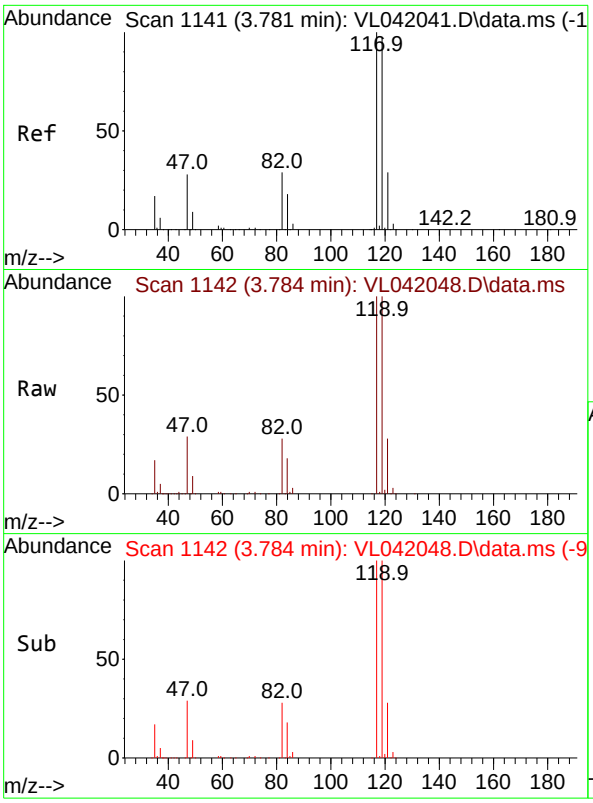


#34
2-Butanone
Concen: 9.727 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 308064

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7

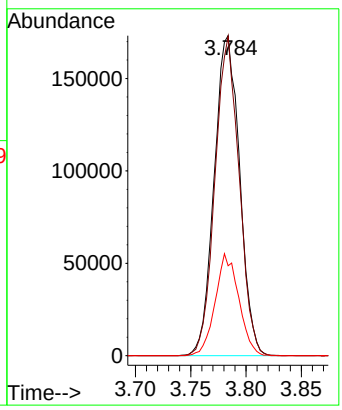




#35
Carbon Tetrachloride
Concen: 9.867 ppbv
RT: 3.784 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:117 Resp: 276599

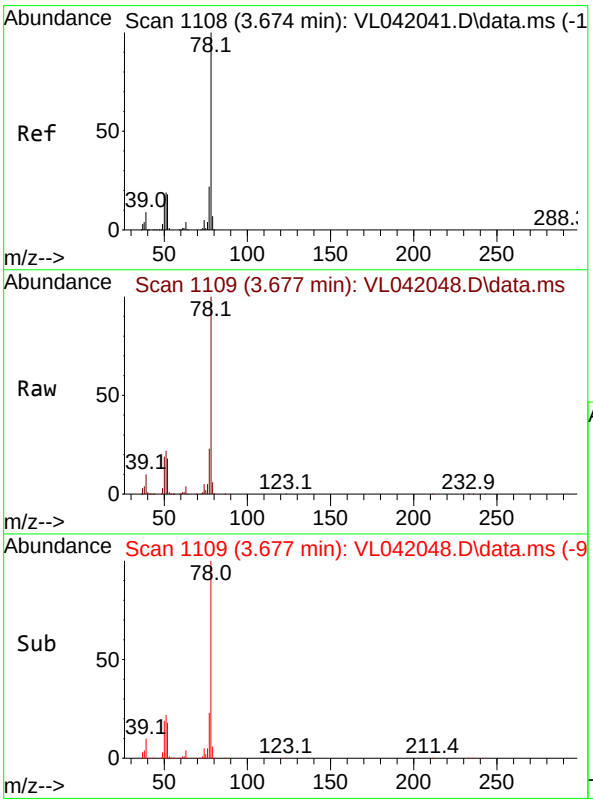
Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.8	116.8
121	28.1	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

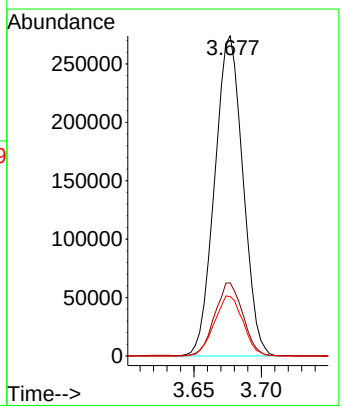
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

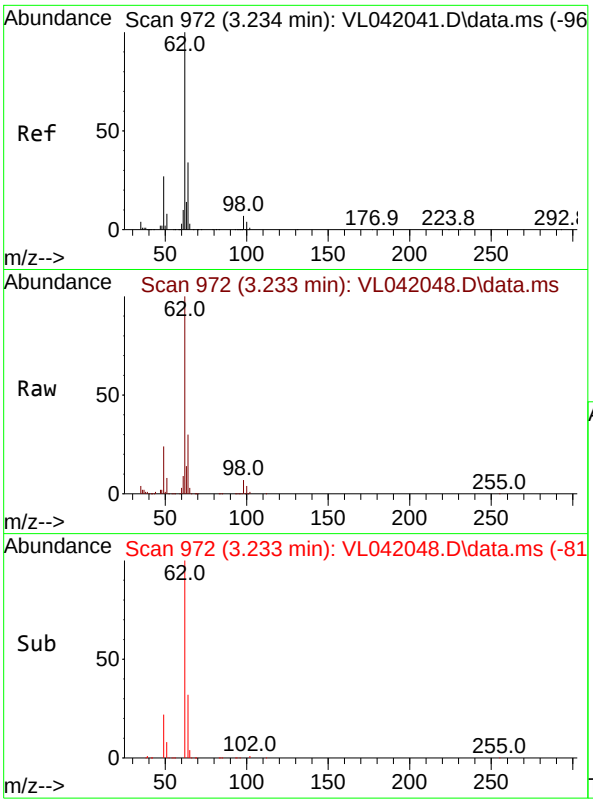


#36
Benzene
Concen: 9.395 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 78 Resp: 399804

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	18.6	13.9	20.9

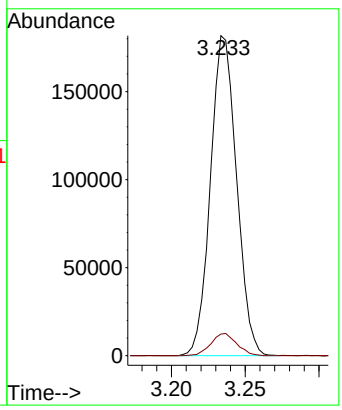




#37
1,2-Dichloroethane
Concen: 9.491 ppbv
RT: 3.233 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 62 Resp: 22394

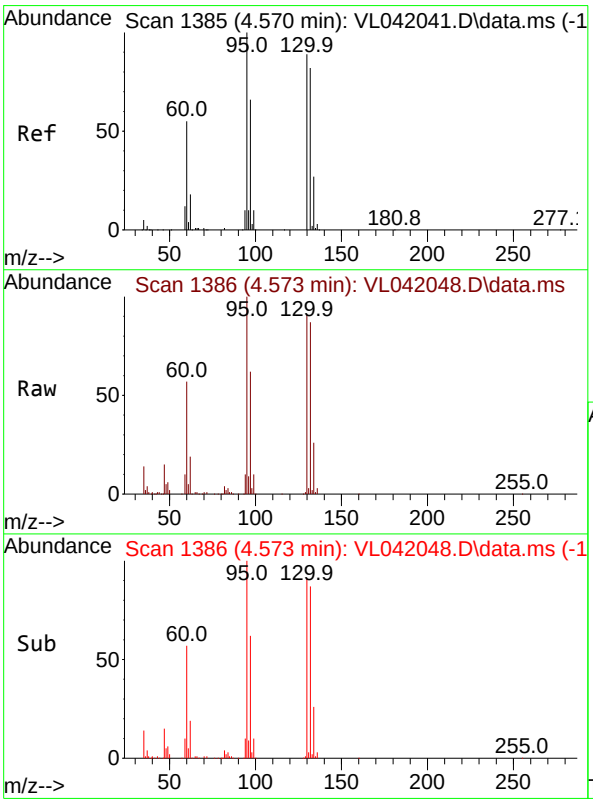
Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

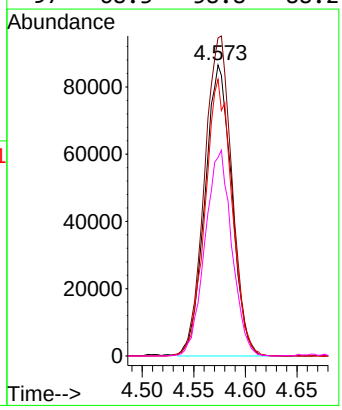
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

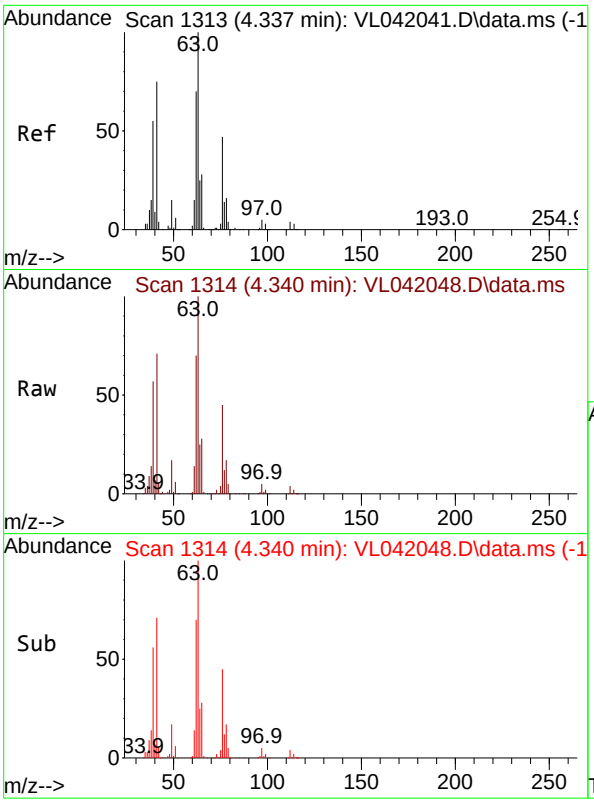


#38
Trichloroethene
Concen: 9.005 ppbv
RT: 4.573 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:130 Resp: 156488

Ion	Ratio	Lower	Upper
130	100		
95	109.3	89.5	134.3
132	95.1	73.8	110.6
97	68.3	58.8	88.2

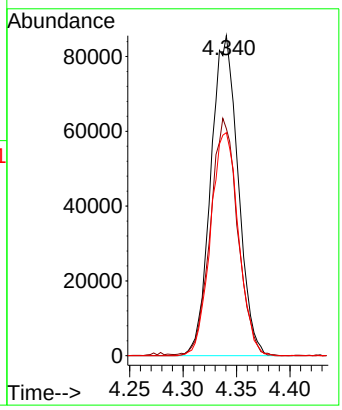




#39
1,2-Dichloropropane
Concen: 9.414 ppbv
RT: 4.340 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 63 Resp: 15206

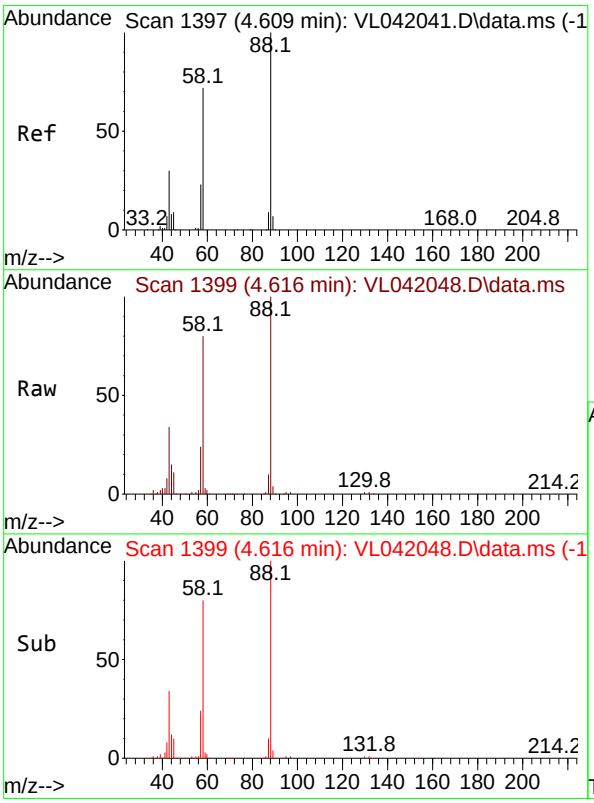
Ion	Ratio	Lower	Upper
63	100		
41	70.8	60.1	90.1
62	69.7	55.8	83.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

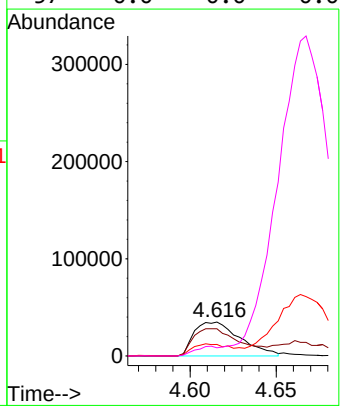
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

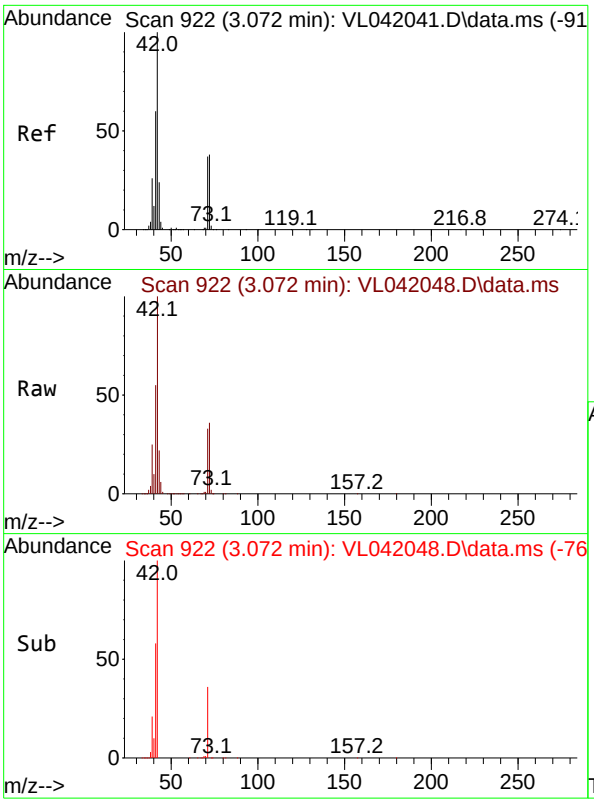


#40
1,4-Dioxane
Concen: 8.817 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 88 Resp: 65010

Ion	Ratio	Lower	Upper
88	100		
58	76.5	62.6	94.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0

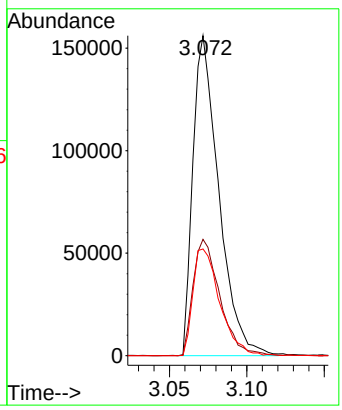




#41
Tetrahydrofuran
Concen: 9.696 ppbv
RT: 3.072 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 42 Resp: 18145

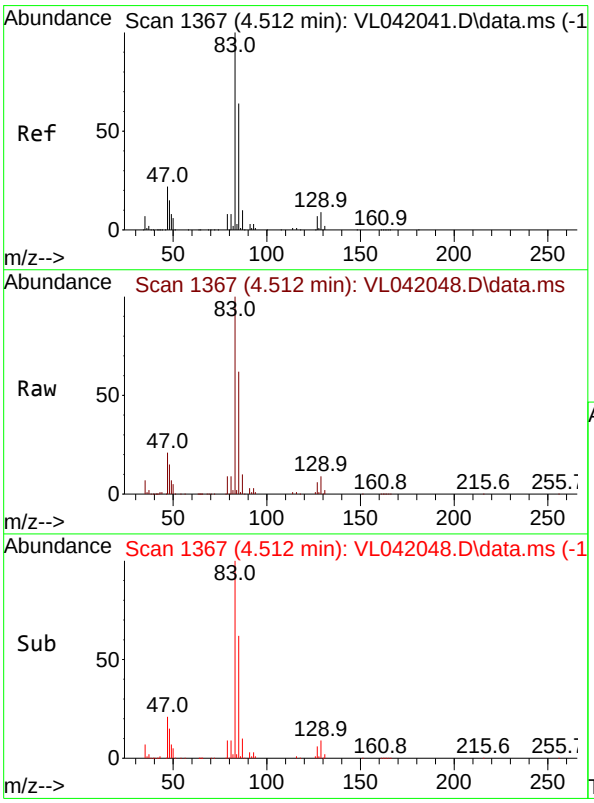
Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.2	45.2
71	34.8	28.2	42.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

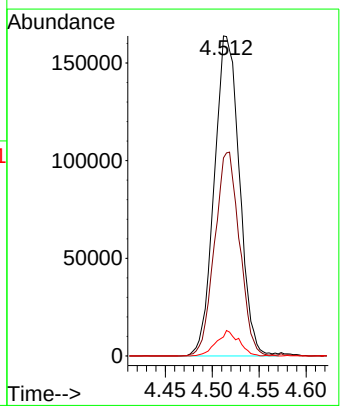
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

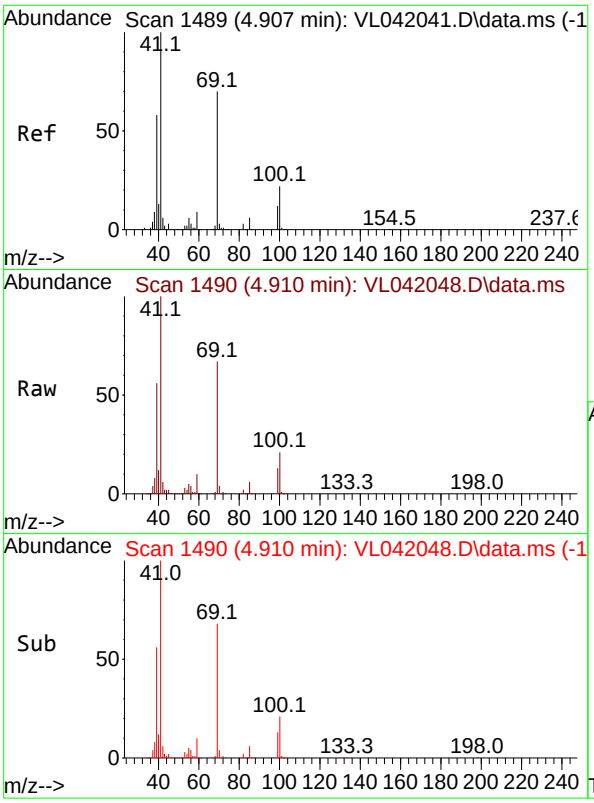


#42
Bromodichloromethane
Concen: 9.606 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 83 Resp: 305385

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2
127	5.9	5.8	8.6

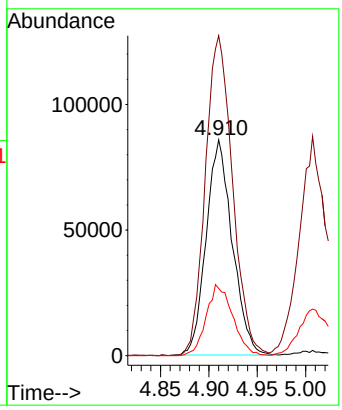




#43
Methyl Methacrylate
Concen: 9.685 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 69 Resp: 160954

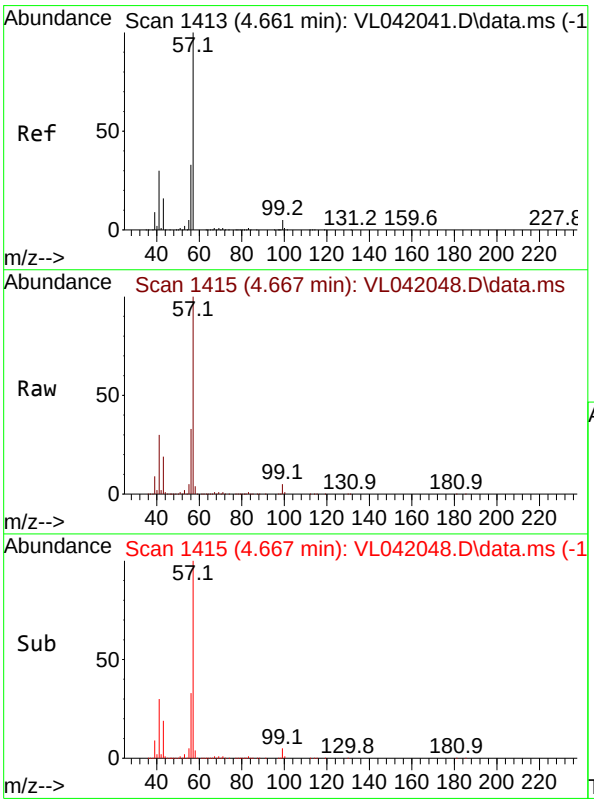
Ion	Ratio	Lower	Upper
69	100		
41	154.7	118.2	177.4
100	33.4	27.0	40.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

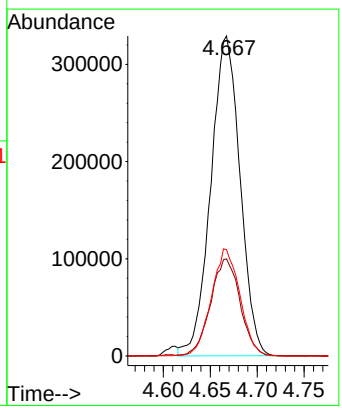
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

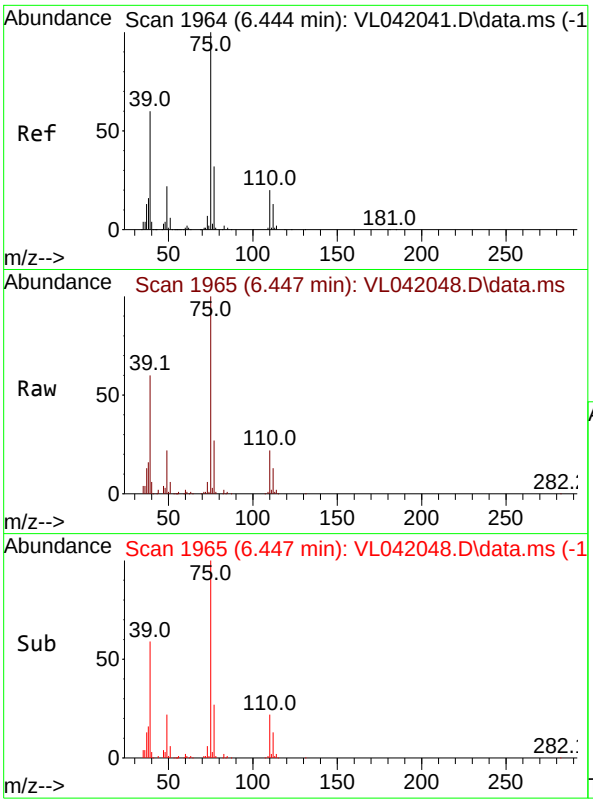


#44
2,2,4-Trimethylpentane
Concen: 9.480 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 57 Resp: 712051

Ion	Ratio	Lower	Upper
57	100		
41	31.0	24.4	36.6
56	32.7	26.5	39.7

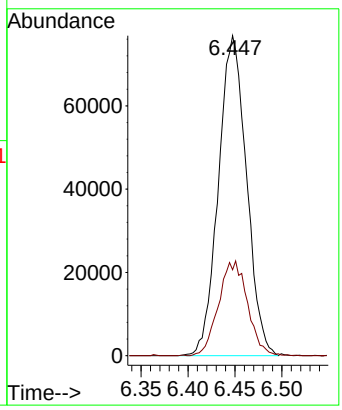




#45
t-1,3-Dichloropropene
Concen: 9.671 ppbv
RT: 6.447 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 75 Resp: 15968

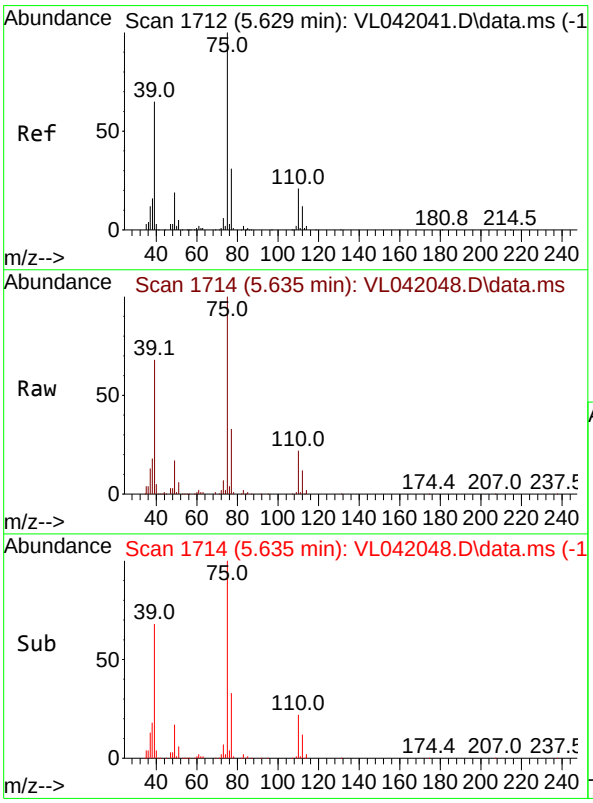
Ion	Ratio	Lower	Upper
75	100		
77	26.8	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

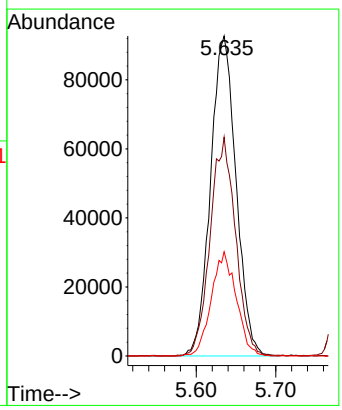
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

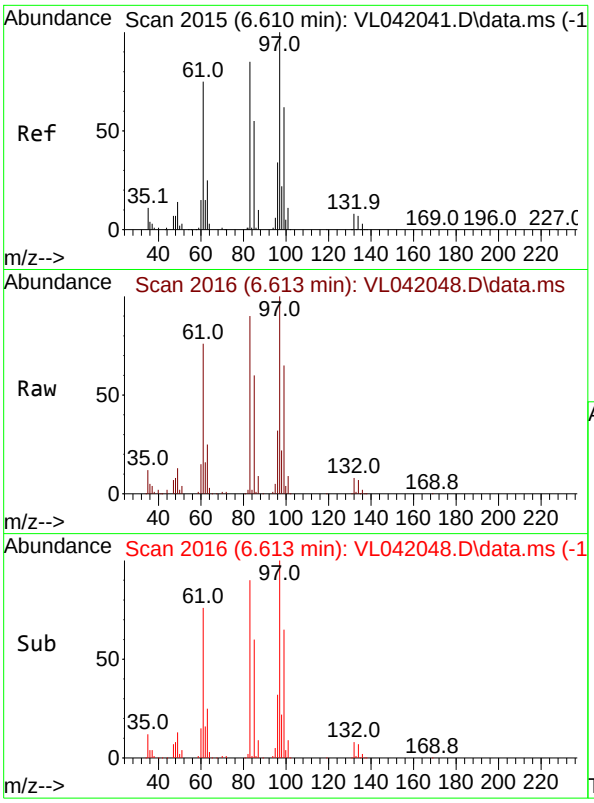


#46
cis-1,3-Dichloropropene
Concen: 9.680 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 75 Resp: 206836

Ion	Ratio	Lower	Upper
75	100		
39	68.1	51.9	77.9
77	32.6	24.9	37.3

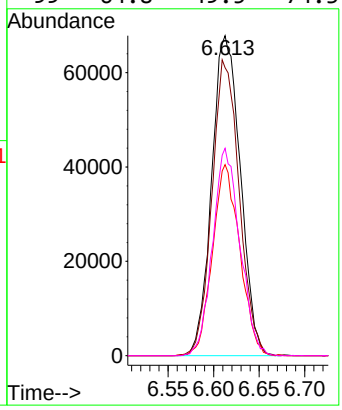




#47
1,1,2-Trichloroethane
Concen: 9.039 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 97 Resp: 14822

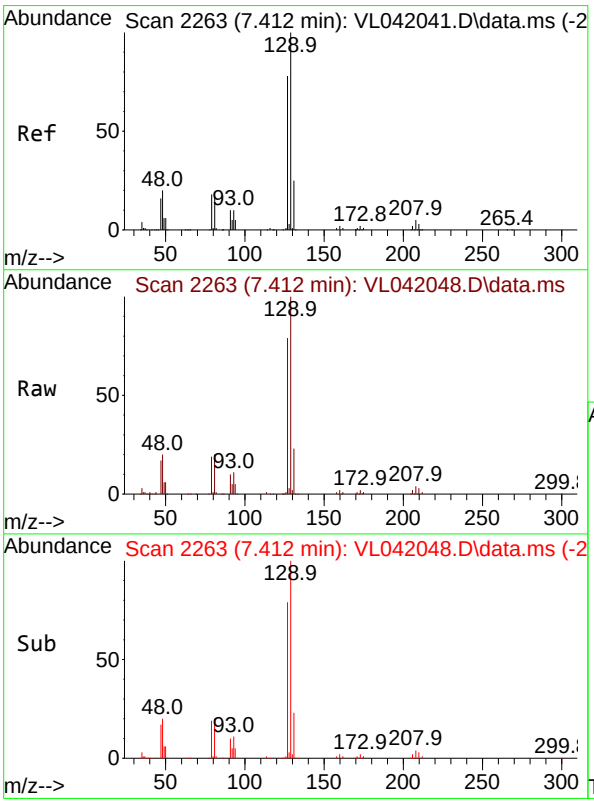
Ion	Ratio	Lower	Upper
97	100		
83	89.8	68.1	102.1
85	59.5	44.0	66.0
99	64.8	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

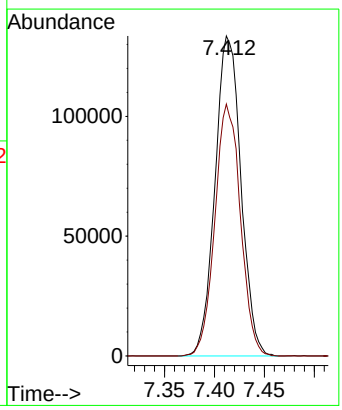
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

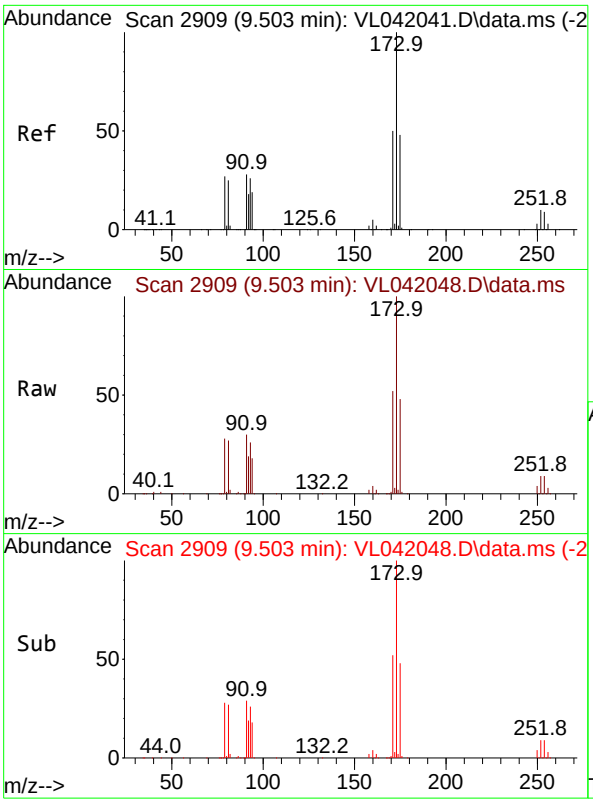


#48
Dibromochloromethane
Concen: 9.407 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:129 Resp: 241593

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8

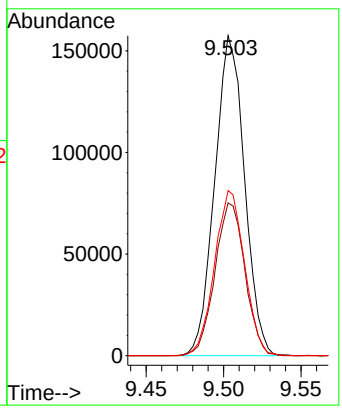




#49
Bromoform
Concen: 9.432 ppbv
RT: 9.503 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:173 Resp: 21037

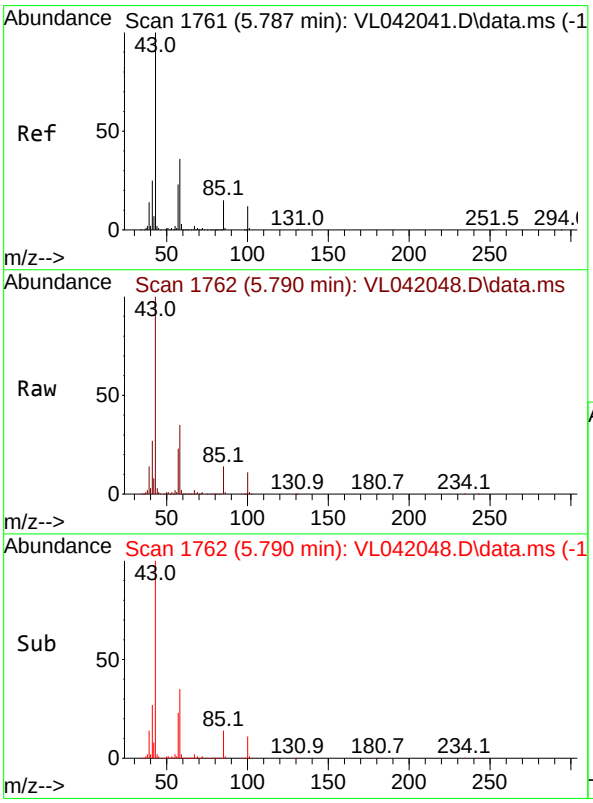
Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.3	57.5
171	52.0	40.2	60.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

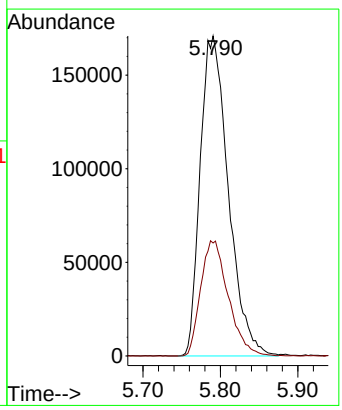
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

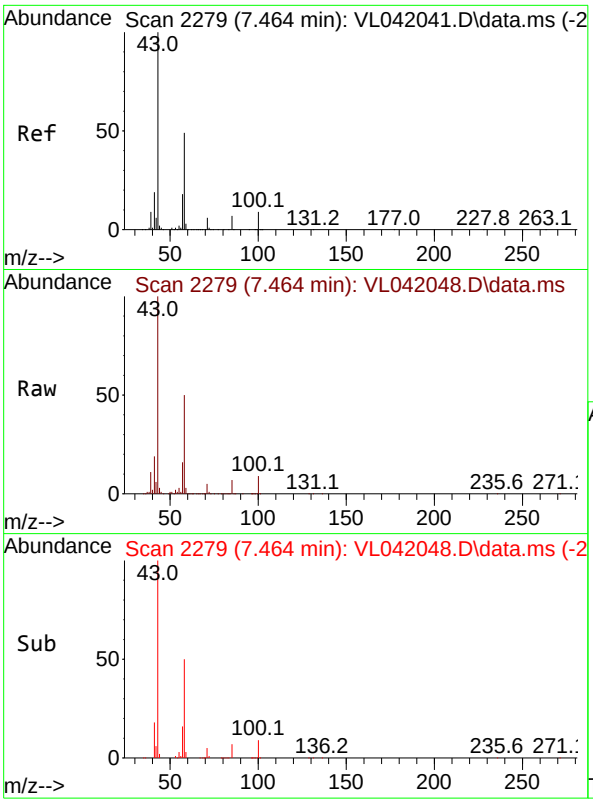


#50
4-Methyl-2-Pentanone
Concen: 10.526 ppbv
RT: 5.790 min Scan# 1762
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 431123

Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.3	43.9

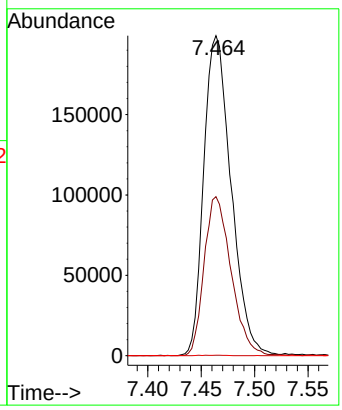




#51
2-Hexanone
Concen: 12.576 ppbv
RT: 7.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 35451

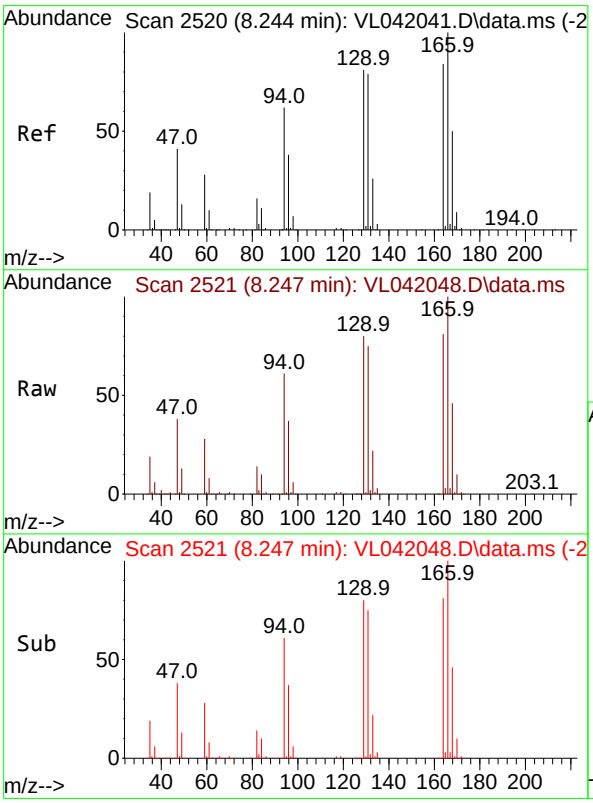
Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.0	58.6
98	0.1	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

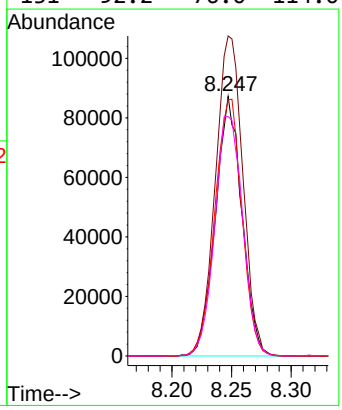
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

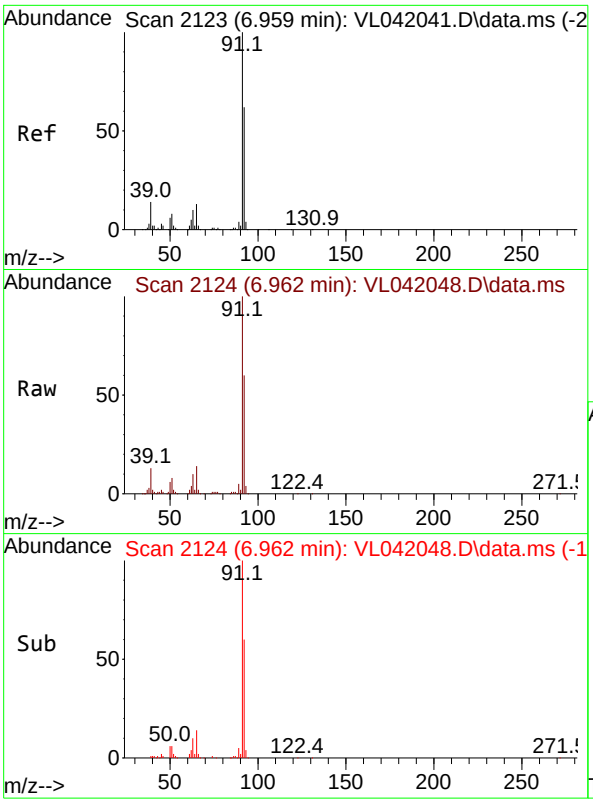


#52
Tetrachloroethene
Concen: 9.202 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:164 Resp: 134062

Ion	Ratio	Lower	Upper
164	100		
166	123.3	95.7	143.5
129	98.7	77.1	115.7
131	92.2	76.0	114.0

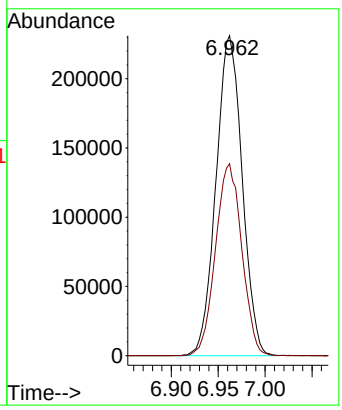




#53
Toluene
Concen: 9.430 ppbv
RT: 6.962 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 44849

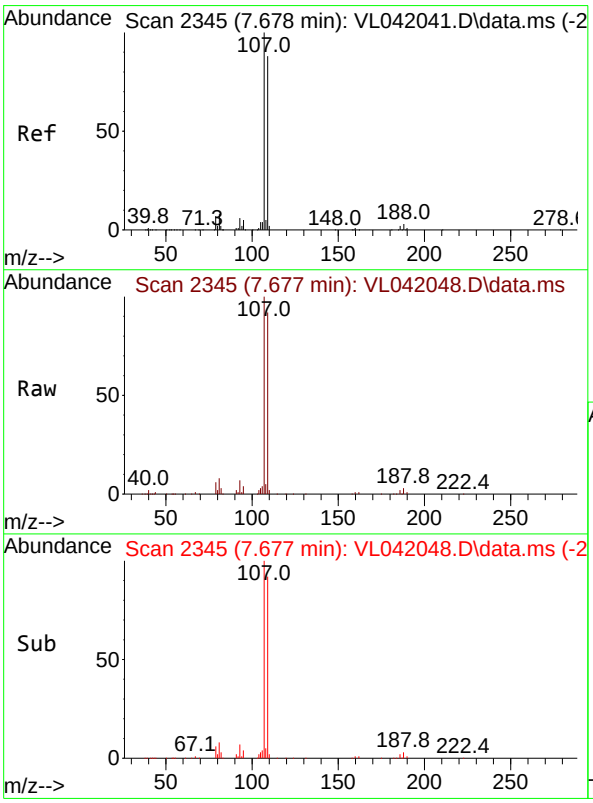
Ion	Ratio	Lower	Upper
91	100		
92	60.1	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

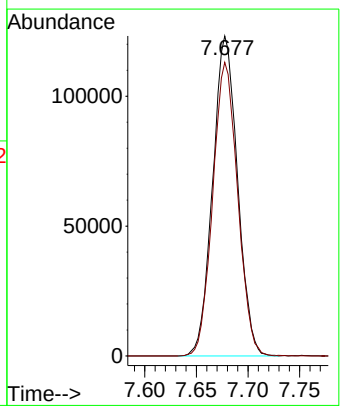
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

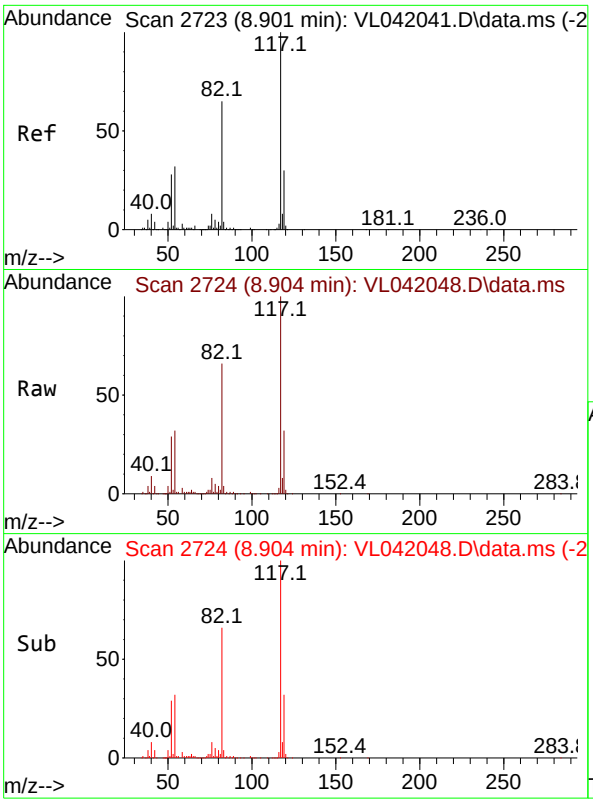


#54
1,2-Dibromoethane
Concen: 9.307 ppbv
RT: 7.677 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:107 Resp: 206335

Ion	Ratio	Lower	Upper
107	100		
109	91.7	70.2	105.4

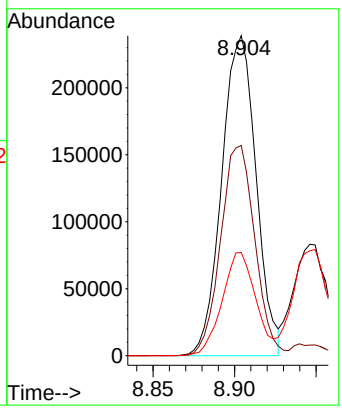




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:117 Resp: 35026

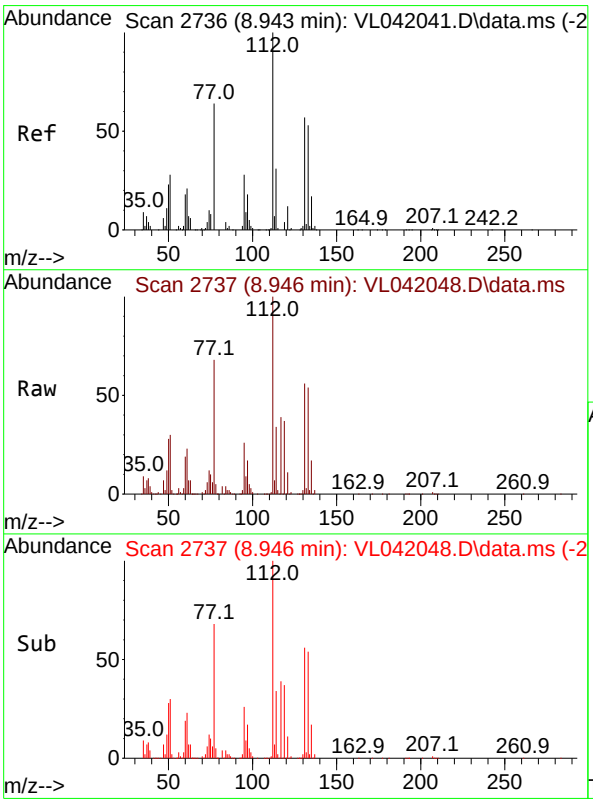
Ion	Ratio	Lower	Upper
117	100		
82	68.9	55.0	82.6
119	31.5	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

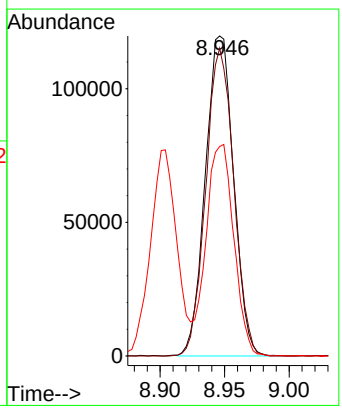
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

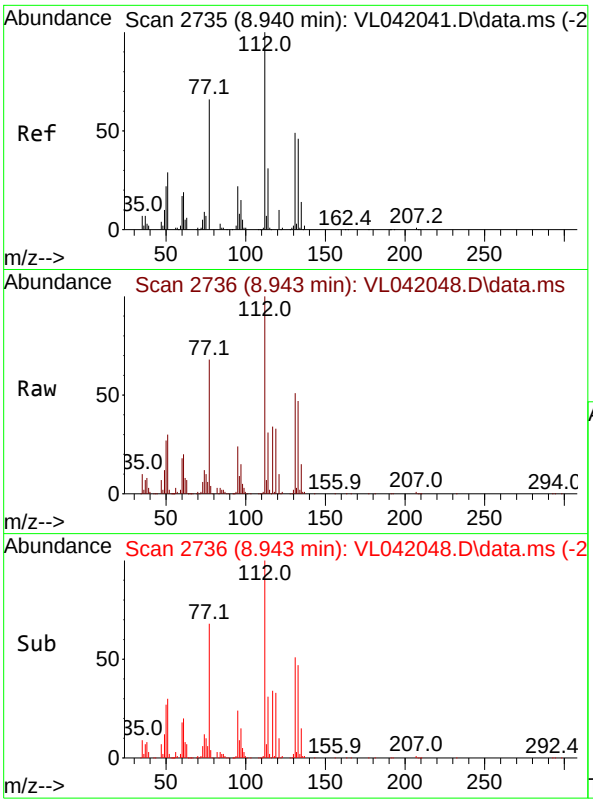


#56
1,1,1,2-Tetrachloroethane
Concen: 9.234 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:131 Resp: 182800

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.8	113.8
119	66.4	52.1	78.1

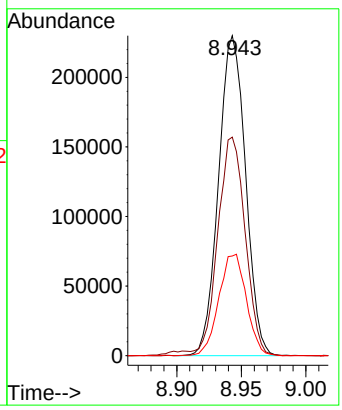




#57
Chlorobenzene
Concen: 9.216 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:112 Resp: 33469

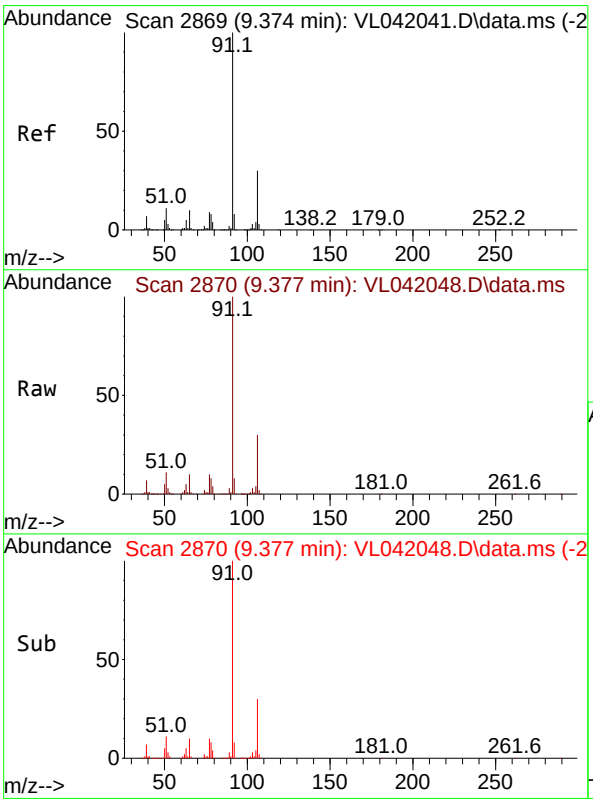
Ion	Ratio	Lower	Upper
112	100		
77	68.0	53.4	80.2
114	31.1	28.3	34.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

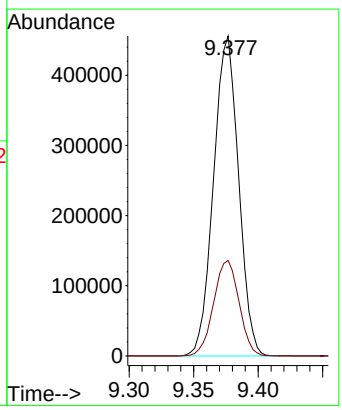
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

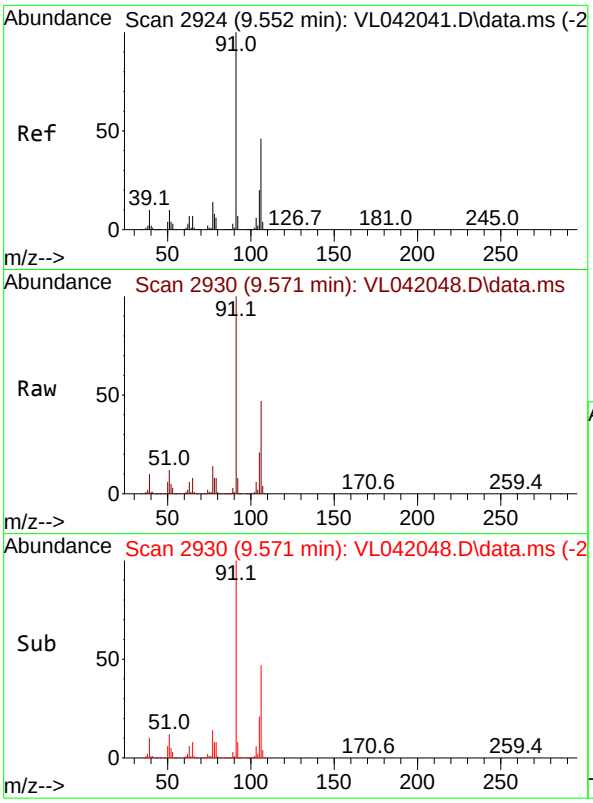


#58
Ethyl Benzene
Concen: 9.513 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 613622

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2

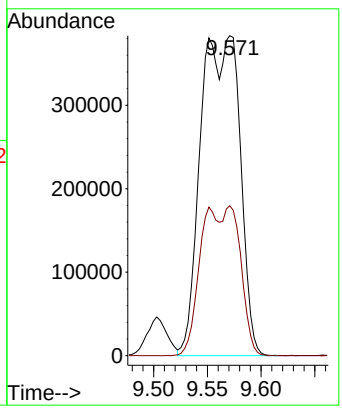




#59
m/p-Xylene
Concen: 19.041 ppbv m
RT: 9.571 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 97742

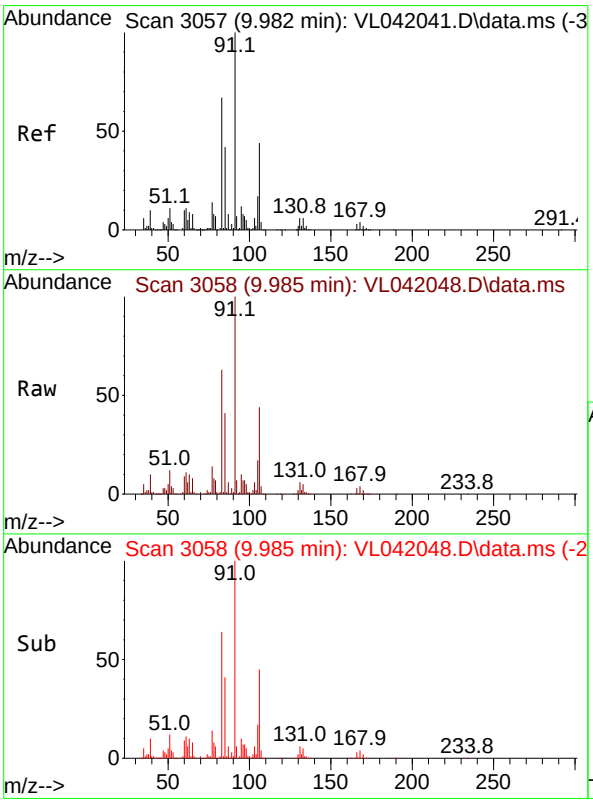
Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

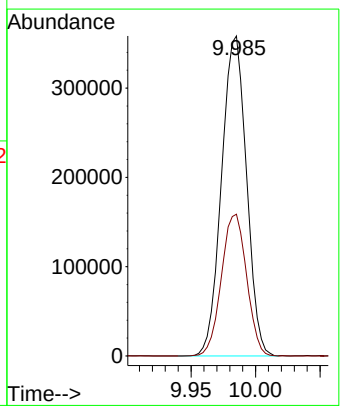
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

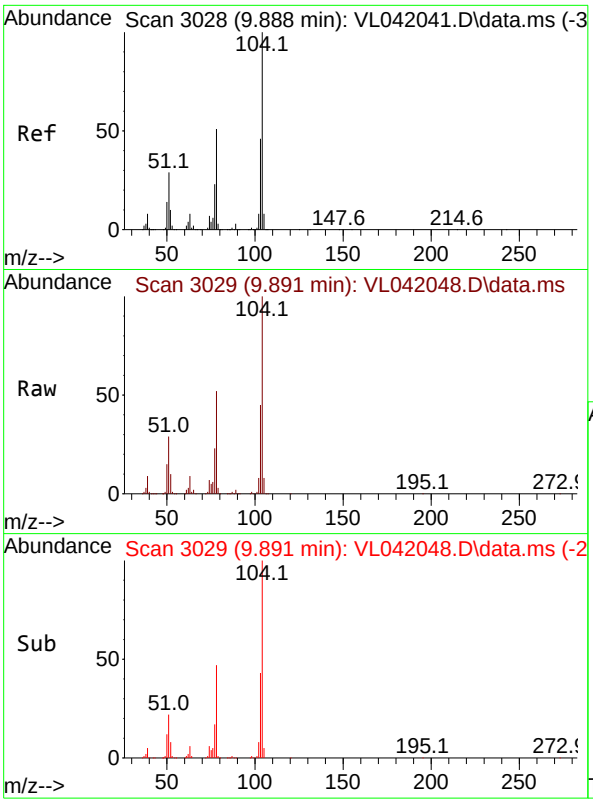


#60
o-Xylene
Concen: 9.334 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 481683

Ion	Ratio	Lower	Upper
91	100		
106	44.7	22.3	66.8

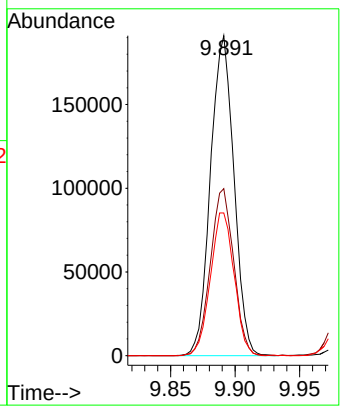




#61
Styrene
Concen: 9.959 ppbv
RT: 9.891 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:104 Resp: 24161

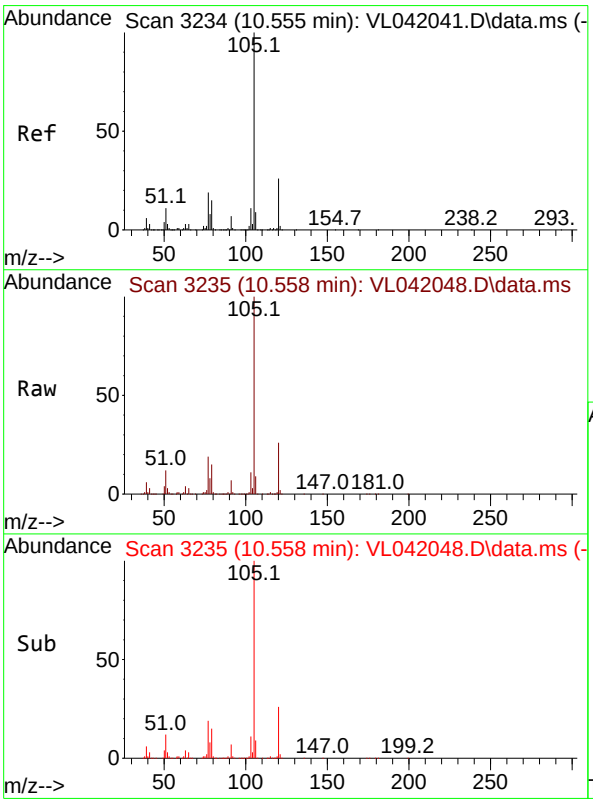
Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.0	61.4
103	45.3	37.0	55.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

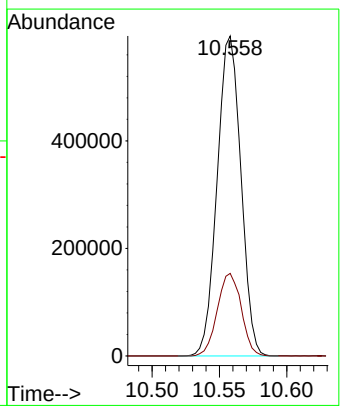
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

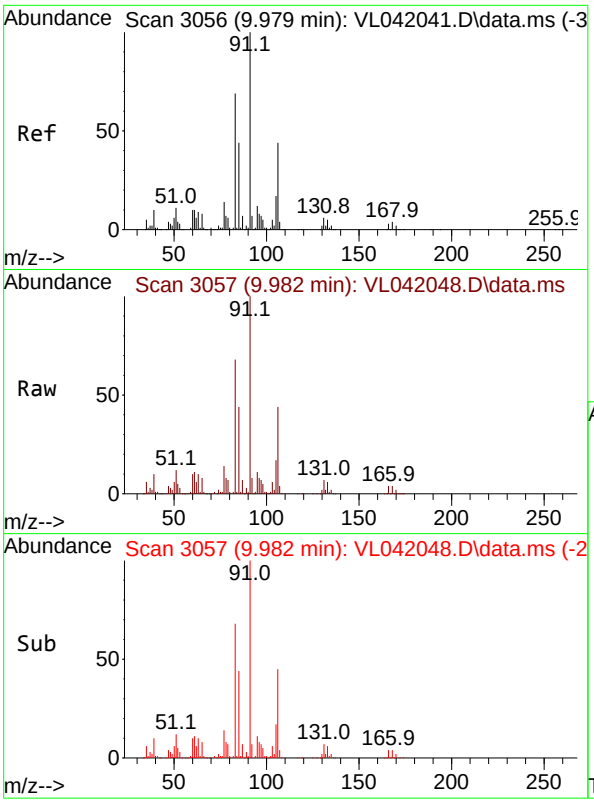


#62
Isopropylbenzene
Concen: 9.437 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 729350

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1

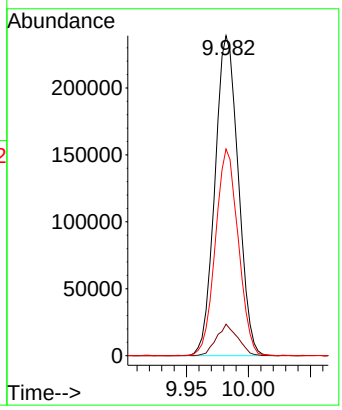




#63
1,1,2,2-Tetrachloroethane
Concen: 9.204 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 83 Resp: 31279

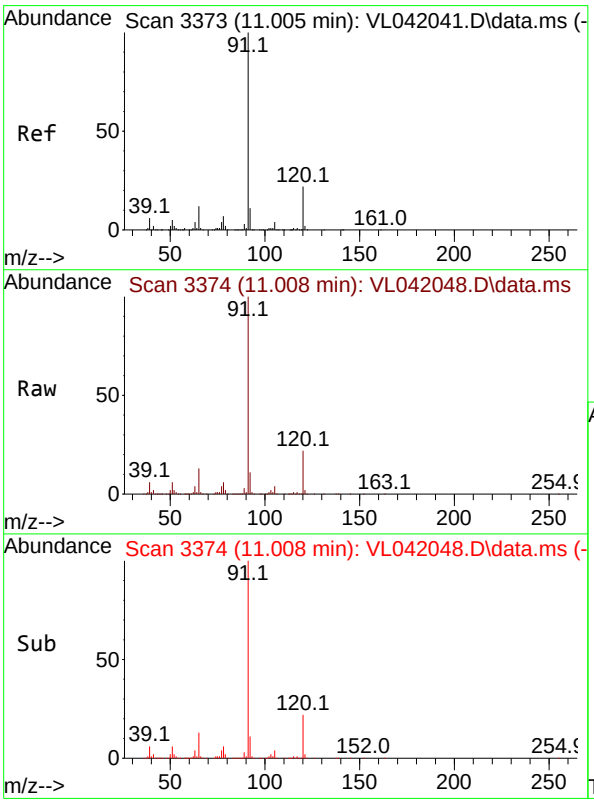
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.7
85	63.5	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

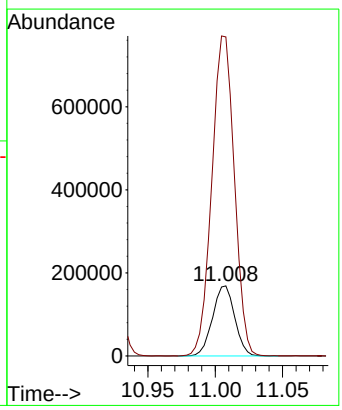
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

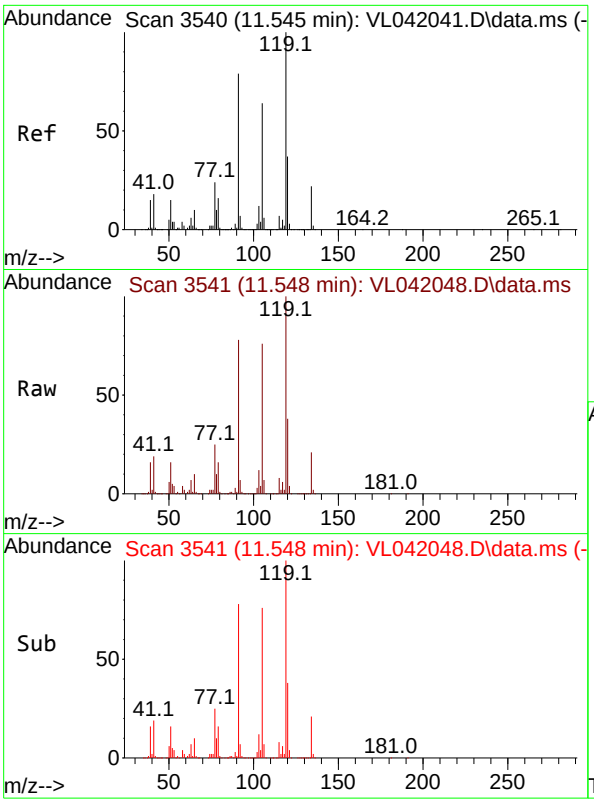


#64
n-propylbenzene
Concen: 9.506 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:120 Resp: 192704

Ion	Ratio	Lower	Upper
120	100		
91	466.1	370.6	556.0

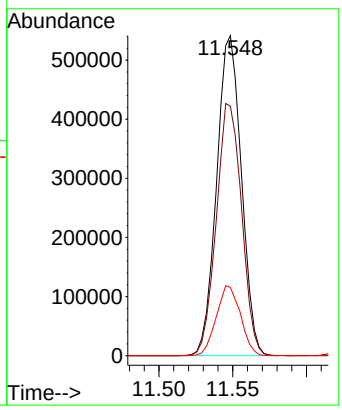




#65
tert-Butylbenzene
Concen: 8.988 ppbv
RT: 11.548 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:119 Resp: 63220

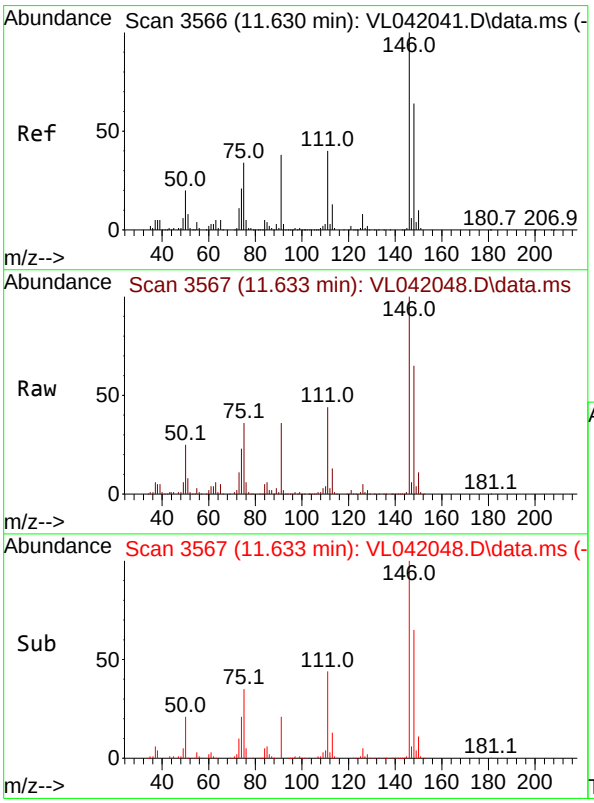
Ion	Ratio	Lower	Upper
119	100		
91	80.5	64.2	96.2
134	21.4	17.4	26.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

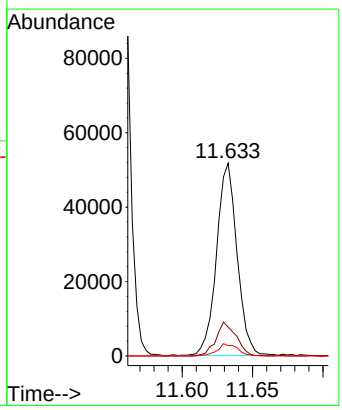
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

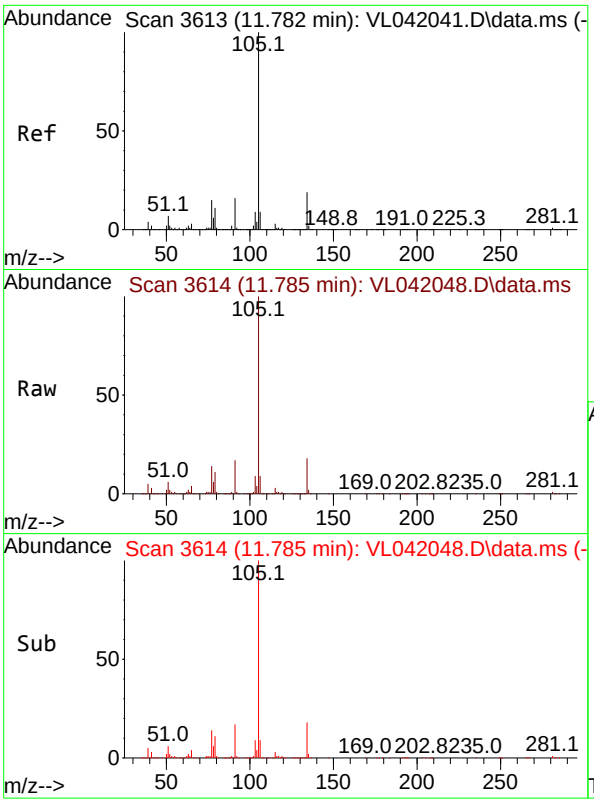


#66
Benzyl Chloride
Concen: 9.808 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 52645

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.5	21.7
128	6.2	5.4	8.2

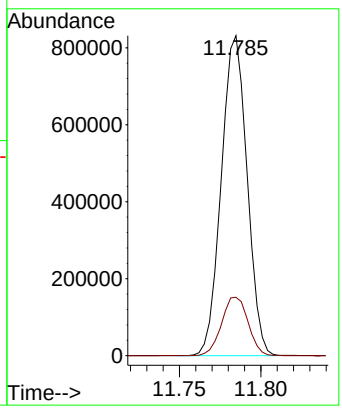




#67
sec-Butylbenzene
Concen: 9.090 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 91440

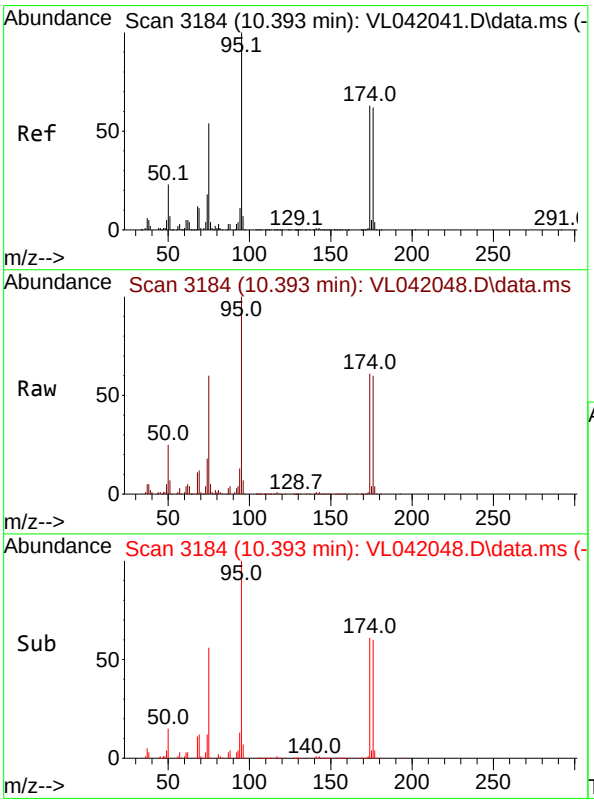
Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

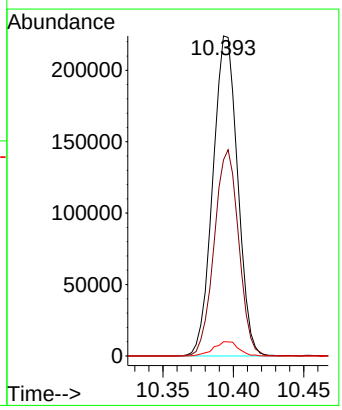
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

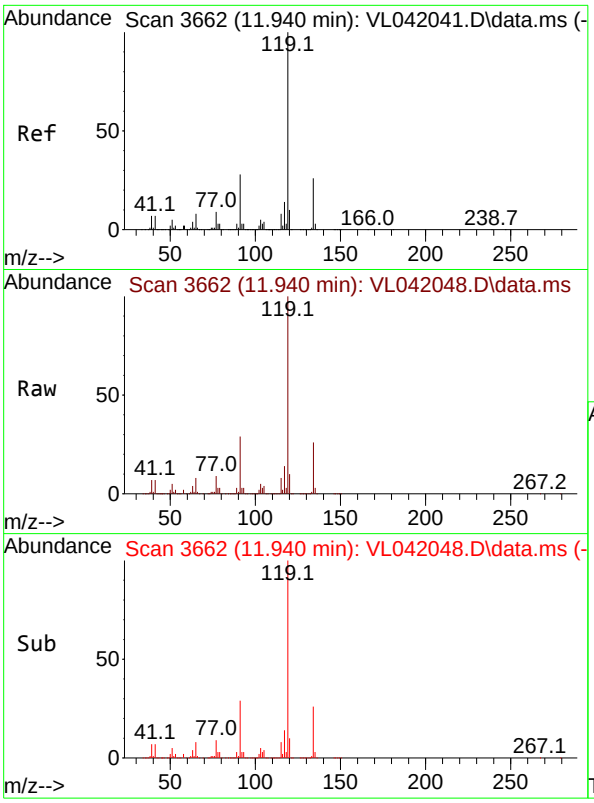


#68
1-Bromo-4-Fluorobenzene
Concen: 10.188 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 95 Resp: 274527

Ion	Ratio	Lower	Upper
95	100		
174	63.6	51.8	77.6
175	4.5	3.9	5.9

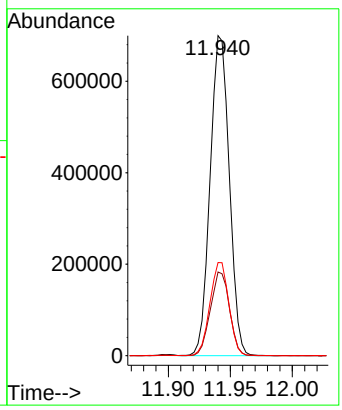




#69
p-Isopropyltoluene
Concen: 9.418 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:119 Resp: 75376

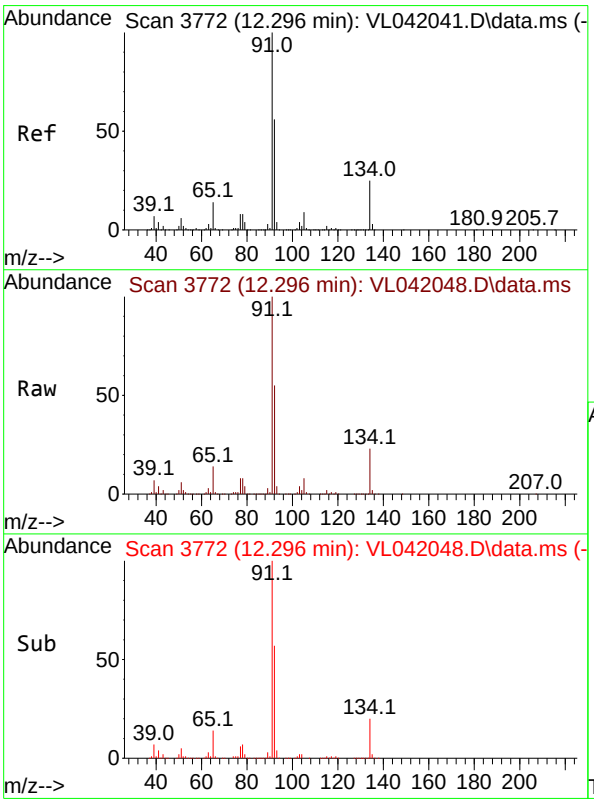
Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.9	31.3
91	28.9	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

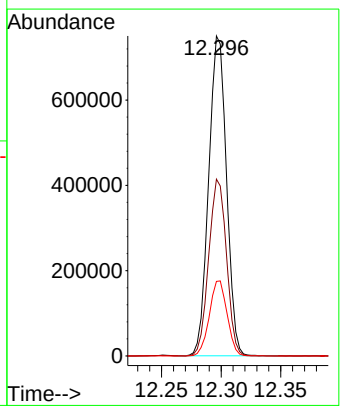
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

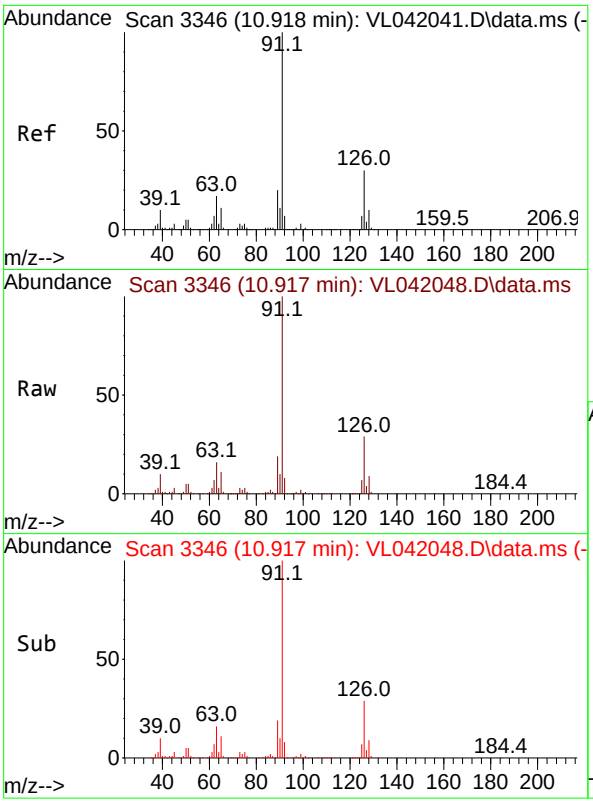


#70
n-Butylbenzene
Concen: 9.560 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 781034

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.7	67.1
134	23.4	18.9	28.3

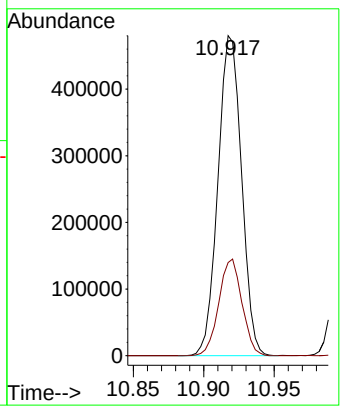




#71
2-Chlorotoluene
Concen: 9.399 ppbv
RT: 10.917 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 55999

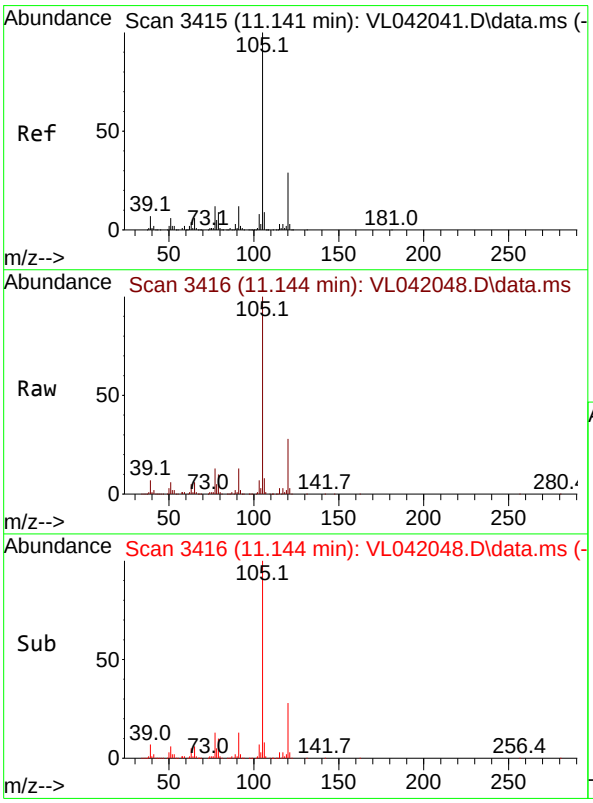
Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.9	47.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

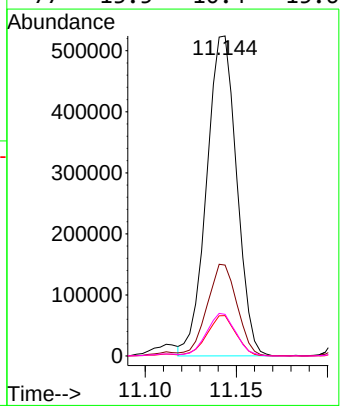
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

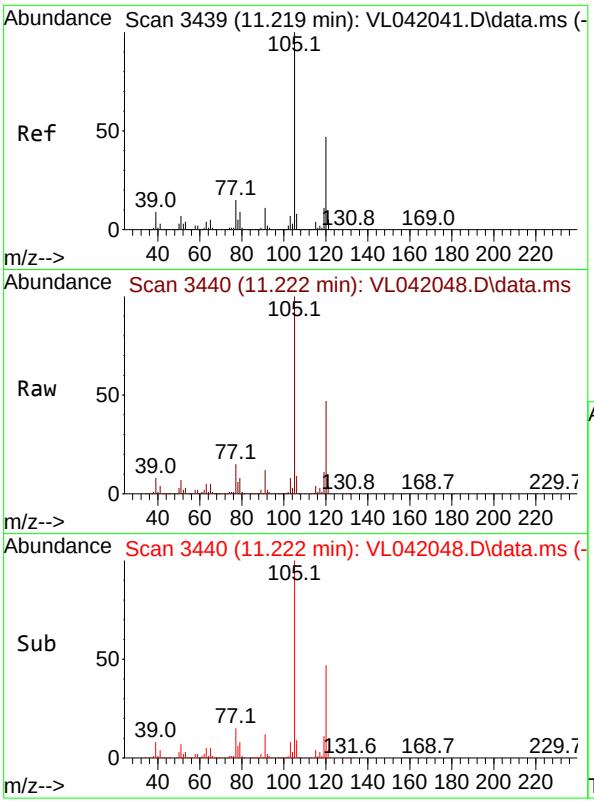


#72
4-Ethyltoluene
Concen: 9.557 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 602156

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.1	36.1
91	12.7	10.2	15.4
77	13.5	10.4	15.6

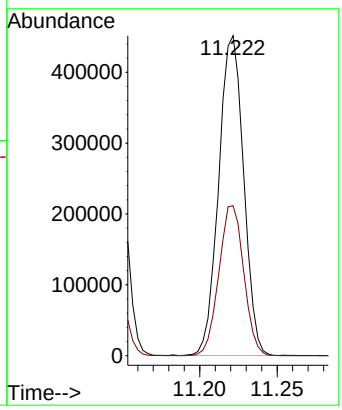




#73
1,3,5-Trimethylbenzene
Concen: 9.248 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 50545

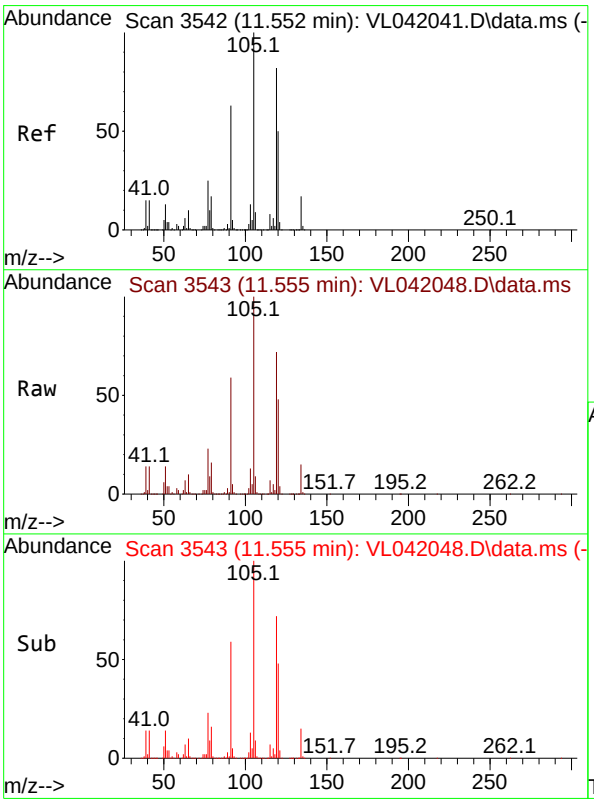
Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

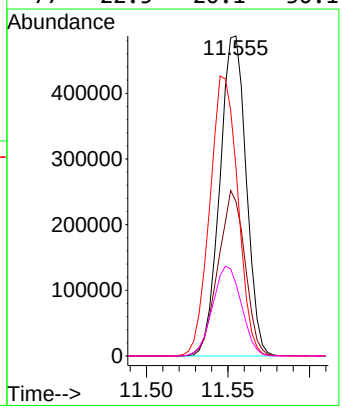
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

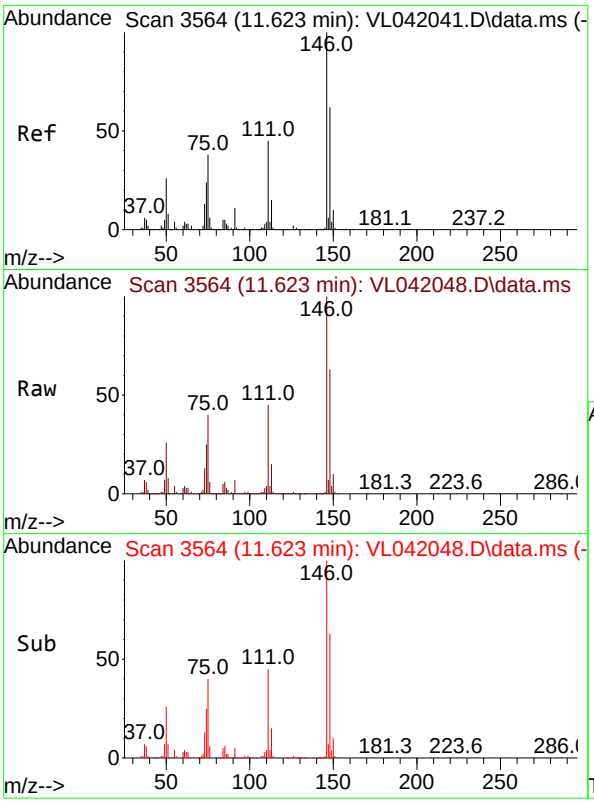


#74
1,2,4-Trimethylbenzene
Concen: 8.891 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 547176

Ion	Ratio	Lower	Upper
105	100		
120	48.2	40.2	60.2
91	58.9	51.4	77.2
77	22.5	20.1	30.1

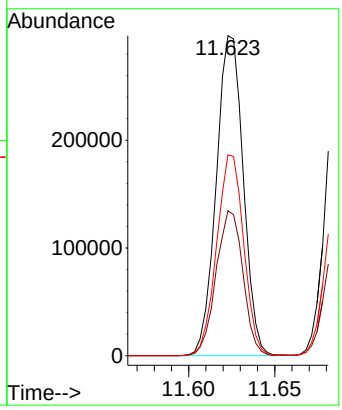




#75
1,3-Dichlorobenzene
Concen: 9.161 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:146 Resp: 32449

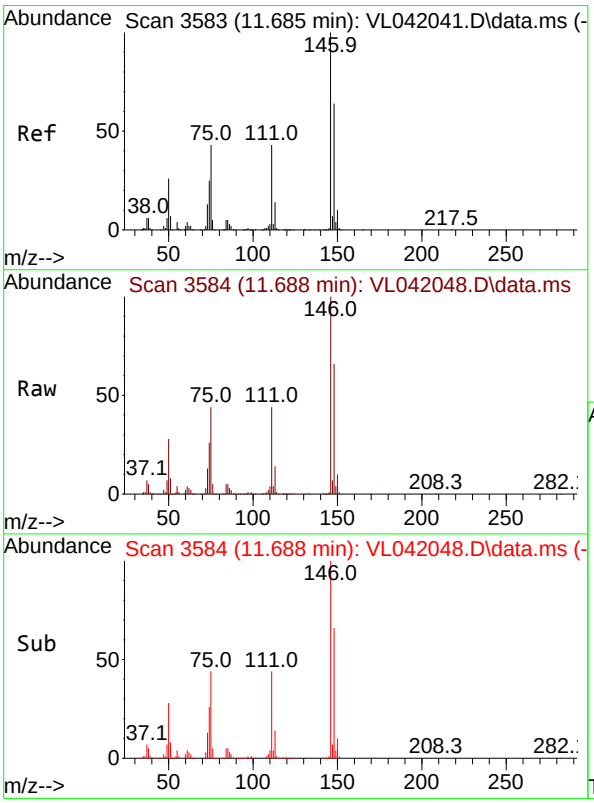
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.2
148	62.7	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

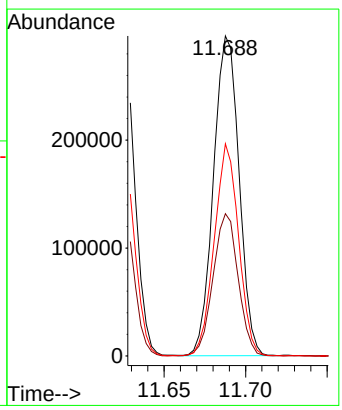
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

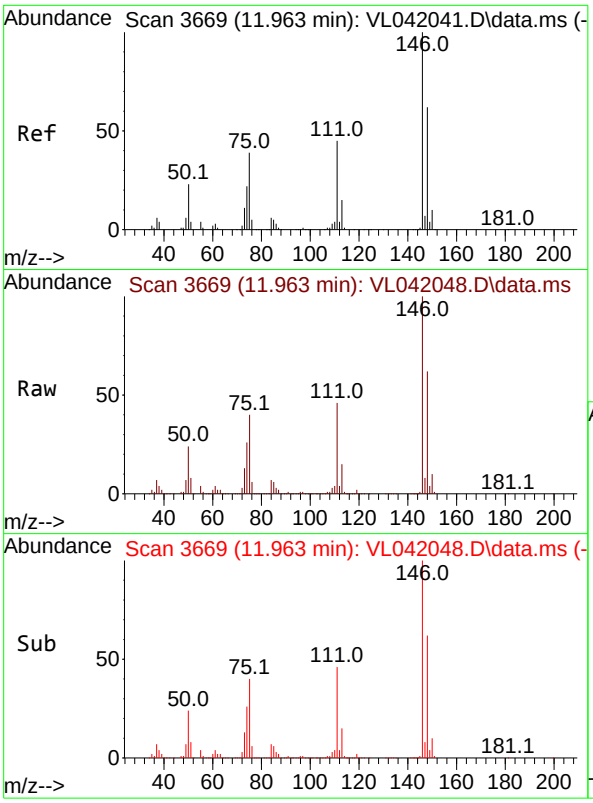


#76
1,4-Dichlorobenzene
Concen: 9.176 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:146 Resp: 322712

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.5	64.5
148	63.2	31.6	95.0

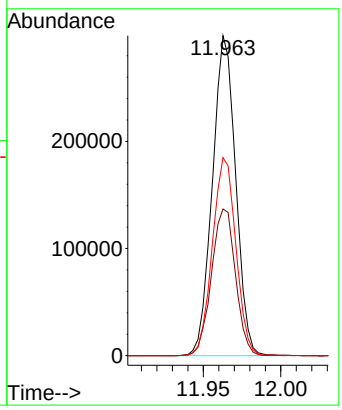




#77
1,2-Dichlorobenzene
Concen: 9.081 ppbv
RT: 11.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:146 Resp: 31215

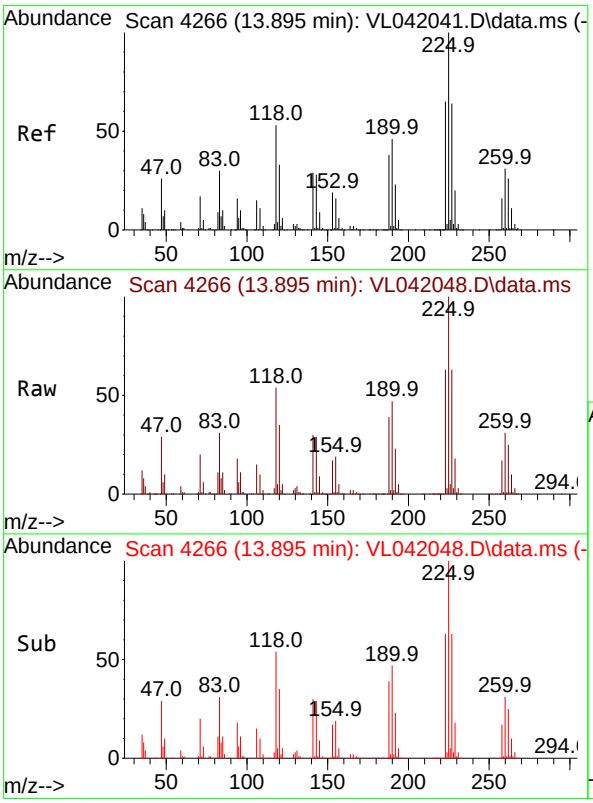
Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.2	69.6
148	62.6	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

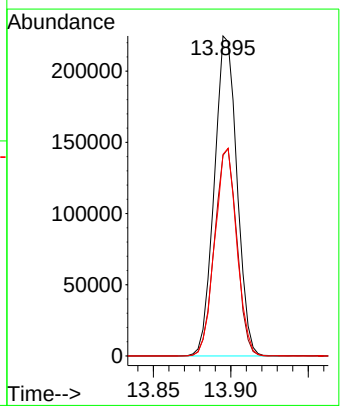
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

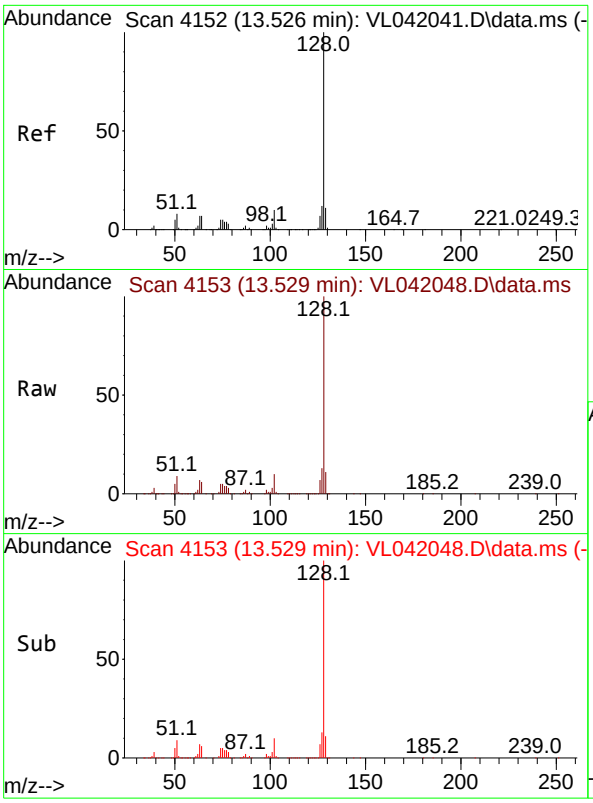


#78
Hexachloro-1,3-Butadiene
Concen: 8.543 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:225 Resp: 228480

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.2
227	63.1	50.8	76.2

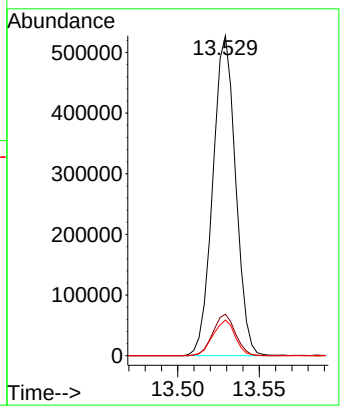




#79
Naphthalene
Concen: 12.160 ppbv
RT: 13.529 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:128 Resp: 51314

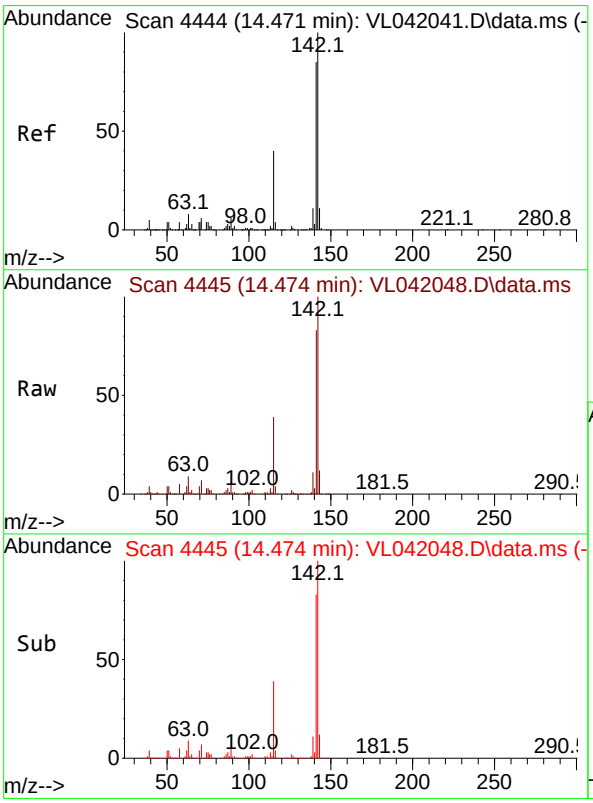
Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.6
129	11.1	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

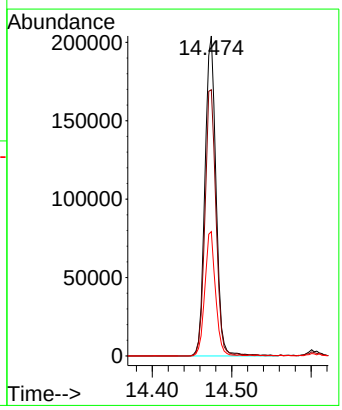
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

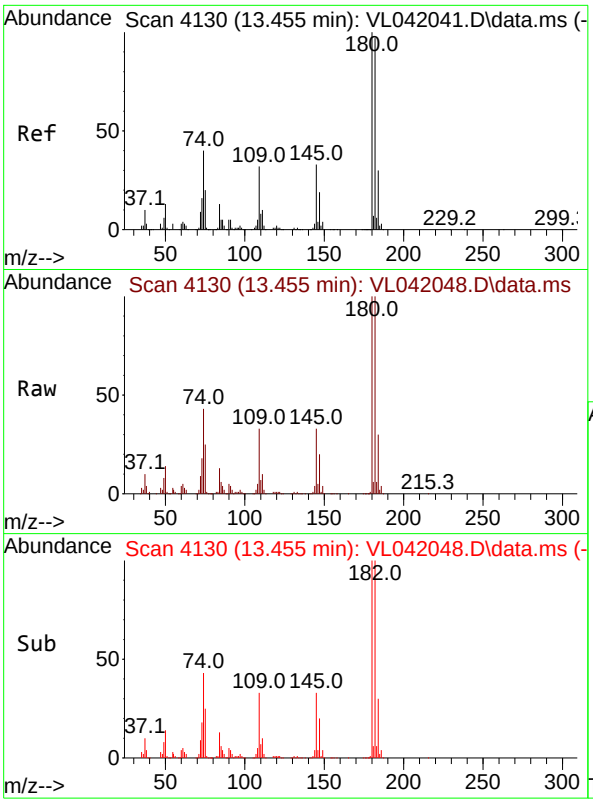


#80
Naphthalene,2-methyl-
Concen: 17.152 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:142 Resp: 198077

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.6
115	38.2	29.5	44.3

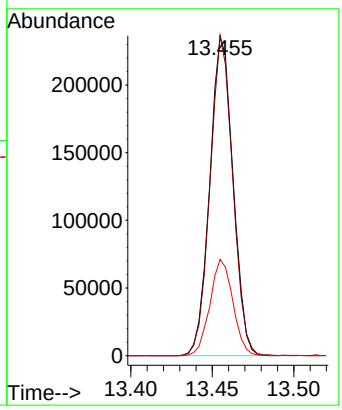




#81
1,2,4-Trichlorobenzene
Concen: 9.965 ppbv
RT: 13.455 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:180 Resp: 23435

Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.1	112.7
184	29.7	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 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	99	0.00
2	T	Dichlorodifluoromethane	1.040	0.999	3.9	104	0.00
3		Chlorodifluoromethane	1.453	1.382	4.9	104	0.00
4		Chloromethane	0.385	0.344	10.6	99	0.00
5	T	Vinyl Chloride	0.364	0.332	8.8	97	0.00
6	T	Bromomethane	0.173	0.160	7.5	98	0.00
7		Chloroethane	0.148	0.140	5.4	102	0.00
8	T	Dichlorotetrafluoroethane	0.855	0.800	6.4	101	0.00
9	T	Propene	0.592	0.572	3.4	108	0.00
10	T	Heptane	1.844	1.694	8.1	100	0.00
11	T	Trichlorofluoromethane	1.042	0.987	5.3	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	0.831	0.724	12.9	102	0.00
13		Ethanol	0.038	0.017#	55.3#	83	0.00
14	T	Bromoethene	0.293	0.274	6.5	103	0.00
15	T	Acetone	0.883	0.747	15.4	103	0.00
16	T	1,3-Butadiene	0.411	0.388	5.6	107	0.00
17		tert-Butyl alcohol	1.105	0.970	12.2	101	0.00
18	T	1,1-Dichloroethene	0.376	0.327	13.0	101	0.00
19	T	Isopropyl Alcohol	0.507	0.438	13.6	103	0.00
20	T	Methylene Chloride	0.334	0.265	20.7	100	0.00
21	T	Allyl Chloride	0.638	0.571	10.5	105	0.00
22	T	trans-1,2-Dichloroethene	0.438	0.372	15.1	103	0.00
23	T	Vinyl Acetate	0.621	0.589	5.2	112	0.00
24	T	1,1-Dichloroethane	0.815	0.710	12.9	105	0.00
25	T	Ethyl Acetate	3.535	3.355	5.1	104	0.00
26	T	Hexane	1.429	1.315	8.0	101	0.00
27	T	Carbon Disulfide	0.969	0.870	10.2	100	0.00
28	T	Methyl tert-Butyl Ether	0.711	0.595	16.3	112	0.00
29	T	Chloroform	1.923	1.770	8.0	101	0.00
30	T	Cyclohexane	1.160	1.063	8.4	97	0.00
31	T	cis-1,2-Dichloroethene	1.353	1.256	7.2	100	0.00
32	T	1,1,1-Trichloroethane	1.866	1.753	6.1	98	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
34	T	2-Butanone	0.779	0.758	2.7	105	0.00
35	T	Carbon Tetrachloride	0.690	0.680	1.4	100	0.00
36	T	Benzene	1.047	0.983	6.1	98	0.00
37	T	1,2-Dichloroethane	0.580	0.551	5.0	102	0.00
38	T	Trichloroethene	0.427	0.385	9.8	98	0.00
39	T	1,2-Dichloropropane	0.397	0.374	5.8	101	0.00
40	T	1,4-Dioxane	0.181	0.160	11.6	94	0.00
41	T	Tetrahydrofuran	0.460	0.446	3.0	103	0.00
42	T	Bromodichloromethane	0.782	0.751	4.0	98	0.00
43		Methyl Methacrylate	0.409	0.396	3.2	97	0.00
44	T	2,2,4-Trimethylpentane	1.848	1.752	5.2	101	0.00
45	T	t-1,3-Dichloropropene	0.406	0.393	3.2	96	0.00
46	T	cis-1,3-Dichloropropene	0.526	0.509	3.2	95	0.00
47	T	1,1,2-Trichloroethane	0.403	0.365	9.4	97	0.00
48	T	Dibromochloromethane	0.632	0.594	6.0	96	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 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	0.517	5.8	95	0.00
50	T	4-Methyl-2-Pentanone	1.008	1.061	-5.3	101	0.00
51	T	2-Hexanone	0.693	0.872	-25.8	101	0.00
52	T	Tetrachloroethene	0.358	0.330	7.8	97	0.00
53	T	Toluene	1.170	1.103	5.7	97	0.00
54	T	1,2-Dibromoethane	0.545	0.508	6.8	98	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	0.565	0.522	7.6	97	0.00
57	T	Chlorobenzene	1.037	0.956	7.8	98	0.00
58	T	Ethyl Benzene	1.842	1.752	4.9	97	0.00
59	T	m/p-Xylene	1.466	1.395	4.8	98	0.02
60	T	o-Xylene	1.473	1.375	6.7	98	0.00
61	T	Styrene	0.693	0.690	0.4	98	0.00
62		Isopropylbenzene	2.207	2.082	5.7	99	0.00
63	T	1,1,2,2-Tetrachloroethane	0.970	0.893	7.9	99	0.00
64		n-propylbenzene	0.579	0.550	5.0	98	0.00
65		tert-Butylbenzene	2.008	1.805	10.1	97	0.00
66	T	Benzyl Chloride	0.153	0.150	2.0	92	0.00
67		sec-Butylbenzene	2.872	2.611	9.1	98	0.00
68	S	1-Bromo-4-Fluorobenzene	0.769	0.784	-2.0	96	0.00
69		p-Isopropyltoluene	2.285	2.152	5.8	100	0.00
70		n-Butylbenzene	2.332	2.230	4.4	101	0.00
71		2-Chlorotoluene	1.701	1.599	6.0	99	0.00
72	T	4-Ethyltoluene	1.799	1.719	4.4	99	0.00
73	T	1,3,5-Trimethylbenzene	1.560	1.443	7.5	98	0.00
74	T	1,2,4-Trimethylbenzene	1.757	1.562	11.1	99	0.00
75	T	1,3-Dichlorobenzene	1.011	0.926	8.4	100	0.00
76	T	1,4-Dichlorobenzene	1.004	0.921	8.3	100	0.00
77	T	1,2-Dichlorobenzene	0.981	0.891	9.2	100	0.00
78	T	Hexachloro-1,3-Butadiene	0.764	0.652	14.7	96	0.00
79	T	Naphthalene	1.205	1.465	-21.6	100	0.00
80	T	Naphthalene,2-methyl-	0.330	0.566	-71.5#	94	0.00
81	T	1,2,4-Trichlorobenzene	0.671	0.669	0.3	97	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RTPE01

Lab Code: CHEM Case No.: Q1586 SAS No.: Q1586 SDG No.: Q1586

Instrument ID: MSVOA_L Calibration Date/Time: 03/17/2025 09:55

Lab File ID: VL042150.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:56 12:07

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.040	1.104		6.15	30
Chloromethane	0.385	0.433		12.47	30
Vinyl Chloride	0.364	0.409		12.36	30
Bromomethane	0.173	0.195		12.72	30
Chloroethane	0.148	0.159		7.43	30
Tetrahydrofuran	0.460	0.400		-13.04	30
Trichlorofluoromethane	1.042	1.203		15.45	30
1,1,2-Trichlorotrifluoroethane	0.831	0.856		3.01	30
Dichlorotetrafluoroethane	0.855	0.953		11.46	30
tert-Butyl alcohol	1.105	1.010		-8.6	30
Heptane	1.844	1.498		-18.76	30
1,1-Dichloroethene	0.376	0.388		3.19	30
Acetone	0.883	0.922		4.42	30
Carbon Disulfide	0.969	1.008		4.03	30
Methyl tert-Butyl Ether	0.711	0.635		-10.69	30
Methylene Chloride	0.334	0.398		19.16	30
trans-1,2-Dichloroethene	0.438	0.423		-3.42	30
1,1-Dichloroethane	0.815	0.857		5.15	30
Cyclohexane	1.160	0.925		-20.26	30
2-Butanone	0.779	0.708		-9.11	30
Carbon Tetrachloride	0.690	0.677		-1.88	30
cis-1,2-Dichloroethene	1.353	1.048		-22.54	30
Chloroform	1.923	1.681		-12.59	30
1,1,1-Trichloroethane	1.866	1.524		-18.33	30
2,2,4-Trimethylpentane	1.848	1.697		-8.17	30
Benzene	1.047	0.936		-10.6	30
1,2-Dichloroethane	0.580	0.528		-8.97	30
Trichloroethene	0.427	0.353		-17.33	30
1,2-Dichloropropane	0.397	0.353		-11.08	30
Bromodichloromethane	0.782	0.708		-9.46	30
4-Methyl-2-Pentanone	1.008	0.944		-6.35	30
Toluene	1.170	0.964		-17.61	30
t-1,3-Dichloropropene	0.406	0.291		-28.33	30
cis-1,3-Dichloropropene	0.526	0.418		-20.53	30
1,1,2-Trichloroethane	0.403	0.367		-8.93	30
Dibromochloromethane	0.632	0.567		-10.28	30
1,2-Dibromoethane	0.545	0.470		-13.76	30
Tetrachloroethene	0.358	0.299		-16.48	30

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

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.: Q1586 SAS No.: Q1586 SDG No.: Q1586

Instrument ID: MSVOA_L Calibration Date/Time: 03/17/2025 09:55

Lab File ID: VL042150.D Init. Calib. Date(s): 02/25/2025 02/25/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:56 12:07

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.037	0.983		-5.21	30
Ethyl Benzene	1.842	1.586		-13.9	30
m/p-Xylene	1.466	1.362		-7.09	30
o-Xylene	1.473	1.372		-6.86	30
Styrene	0.693	0.587		-15.3	30
Bromoform	0.549	0.506		-7.83	30
1,1,2,2-Tetrachloroethane	0.970	0.979		0.93	30
2-Chlorotoluene	1.701	1.514		-10.99	30
1,3,5-Trimethylbenzene	1.560	1.411		-9.55	30
1,2,4-Trimethylbenzene	1.757	1.648		-6.2	30
1,3-Dichlorobenzene	1.011	0.975		-3.56	30
1,4-Dichlorobenzene	1.004	0.943		-6.08	30
1,2-Dichlorobenzene	0.981	0.958		-2.35	30
1,2,4-Trichlorobenzene	0.671	0.625		-6.86	30
Hexachloro-1,3-Butadiene	0.764	0.670		-12.3	30
1,3-Butadiene	0.411	0.437		6.33	30
Naphthalene	1.205	1.391		15.44	30
4-Ethyltoluene	1.799	1.677		-6.78	30
1-Bromo-4-Fluorobenzene	0.769	0.851		10.66	30
Hexane	1.429	1.284		-10.15	30
Allyl Chloride	0.638	0.628		-1.57	30
1,4-Dioxane	181.383	163.107		-10.08	30
Methyl Methacrylate	0.409	0.330		-19.32	30

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	167493	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	395790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	337104	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	286841	11.060	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	184928	10.618	ppbv	98
3) Chlorodifluoromethane	1.480	51	220495	9.058	ppbv	99
4) Chloromethane	1.538	50	72484	11.254	ppbv	100
5) Vinyl Chloride	1.583	62	68484	11.241	ppbv	96
6) Bromomethane	1.674	94	32623	11.245	ppbv	98
7) Chloroethane	1.709	64	26650	10.766	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	159560	11.144	ppbv	98
9) Propene	1.489	41	87298	8.803	ppbv	98
10) Heptane	5.001	43	250907	8.126	ppbv	100
11) Trichlorofluoromethane	1.884	101	201429	11.542	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	143413	10.302	ppbv	97
13) Ethanol	1.729	45	6795	10.794	ppbv	93
14) Bromoethene	1.787	108	53205	10.823	ppbv	98
15) Acetone	1.842	43	154356	10.436	ppbv	98
16) 1,3-Butadiene	1.615	39	73169	10.630	ppbv	98
17) tert-Butyl alcohol	2.049	59	169215	9.144	ppbv	99
18) 1,1-Dichloroethene	2.043	96	64914	10.320	ppbv	99
19) Isopropyl Alcohol	1.894	45	85293	10.039	ppbv #	36
20) Methylene Chloride	2.069	84	66711	11.923	ppbv	96
21) Allyl Chloride	2.104	41	105215	9.845	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	70772	9.652	ppbv	98
23) Vinyl Acetate	2.473	43	85199	8.192	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	143507	10.518	ppbv	99
25) Ethyl Acetate	2.849	43	522573	8.826	ppbv	99
26) Hexane	2.839	57	215056	8.985	ppbv	97
27) Carbon Disulfide	2.159	76	168859	10.407	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	106277	8.918	ppbv	97
29) Chloroform	2.862	83	281634	8.743	ppbv	99
30) Cyclohexane	3.875	84	154902	7.973	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	175545	7.747	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	255298	8.170	ppbv	96
34) 2-Butanone	2.570	43	280367	9.093	ppbv	97
35) Carbon Tetrachloride	3.781	117	267761	9.811	ppbv	96
36) Benzene	3.674	78	370323	8.938	ppbv	98
37) 1,2-Dichloroethane	3.234	62	208967	9.097	ppbv	99
38) Trichloroethene	4.574	130	139636	8.253	ppbv	98
39) 1,2-Dichloropropane	4.334	63	139773	8.888	ppbv	99
40) 1,4-Dioxane	4.609	88	64556	8.992	ppbv #	99
41) Tetrahydrofuran	3.069	42	158186	8.682	ppbv	97
42) Bromodichloromethane	4.512	83	280274	9.055	ppbv	100
43) Methyl Methacrylate	4.904	69	130801	8.084	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	671554	9.184	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	115280	7.171	ppbv	95

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	165501	7.956	ppbv		96
47) 1,1,2-Trichloroethane	6.610	97	145150	9.091	ppbv		96
48) Dibromochloromethane	7.409	129	224553	8.980	ppbv		98
49) Bromoform	9.500	173	200168	9.218	ppbv		97
50) 4-Methyl-2-Pentanone	5.784	43	373666	9.370	ppbv		96
51) 2-Hexanone	7.461	43	295520	10.767	ppbv	#	95
52) Tetrachloroethene	8.247	164	118316	8.341	ppbv		93
53) Toluene	6.959	91	381354	8.235	ppbv		99
54) 1,2-Dibromoethane	7.678	107	185862	8.611	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.943	131	184992	9.709	ppbv		99
57) Chlorobenzene	8.940	112	331509	9.485	ppbv		98
58) Ethyl Benzene	9.374	91	534526	8.610	ppbv		96
59) m/p-Xylene	9.571	91	917985m	18.581	ppbv		
60) o-Xylene	9.979	91	462522	9.313	ppbv		99
61) Styrene	9.888	104	197855	8.473	ppbv		97
62) Isopropylbenzene	10.555	105	683249	9.185	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.982	83	329971	10.088	ppbv		99
64) n-propylbenzene	11.005	120	188690	9.671	ppbv		98
65) tert-Butylbenzene	11.546	119	630108	9.308	ppbv		98
66) Benzyl Chloride	11.626	91	45119	8.734	ppbv	#	98
67) sec-Butylbenzene	11.782	105	911015	9.410	ppbv		99
69) p-Isopropyltoluene	11.940	119	729864	9.476	ppbv		98
70) n-Butylbenzene	12.293	91	749368	9.531	ppbv		99
71) 2-Chlorotoluene	10.918	91	510373	8.901	ppbv		99
72) 4-Ethyltoluene	11.141	105	565254	9.321	ppbv		99
73) 1,3,5-Trimethylbenzene	11.219	105	475661	9.043	ppbv		100
74) 1,2,4-Trimethylbenzene	11.552	105	555462	9.378	ppbv		94
75) 1,3-Dichlorobenzene	11.623	146	328628	9.640	ppbv		97
76) 1,4-Dichlorobenzene	11.685	146	317775	9.389	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	322801	9.758	ppbv		99
78) Hexachloro-1,3-Butadiene	13.892	225	225792	8.772	ppbv		99
79) Naphthalene	13.526	128	468885	11.545	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	135870	12.224	ppbv		99
81) 1,2,4-Trichlorobenzene	13.452	180	210617	9.305	ppbv		97

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

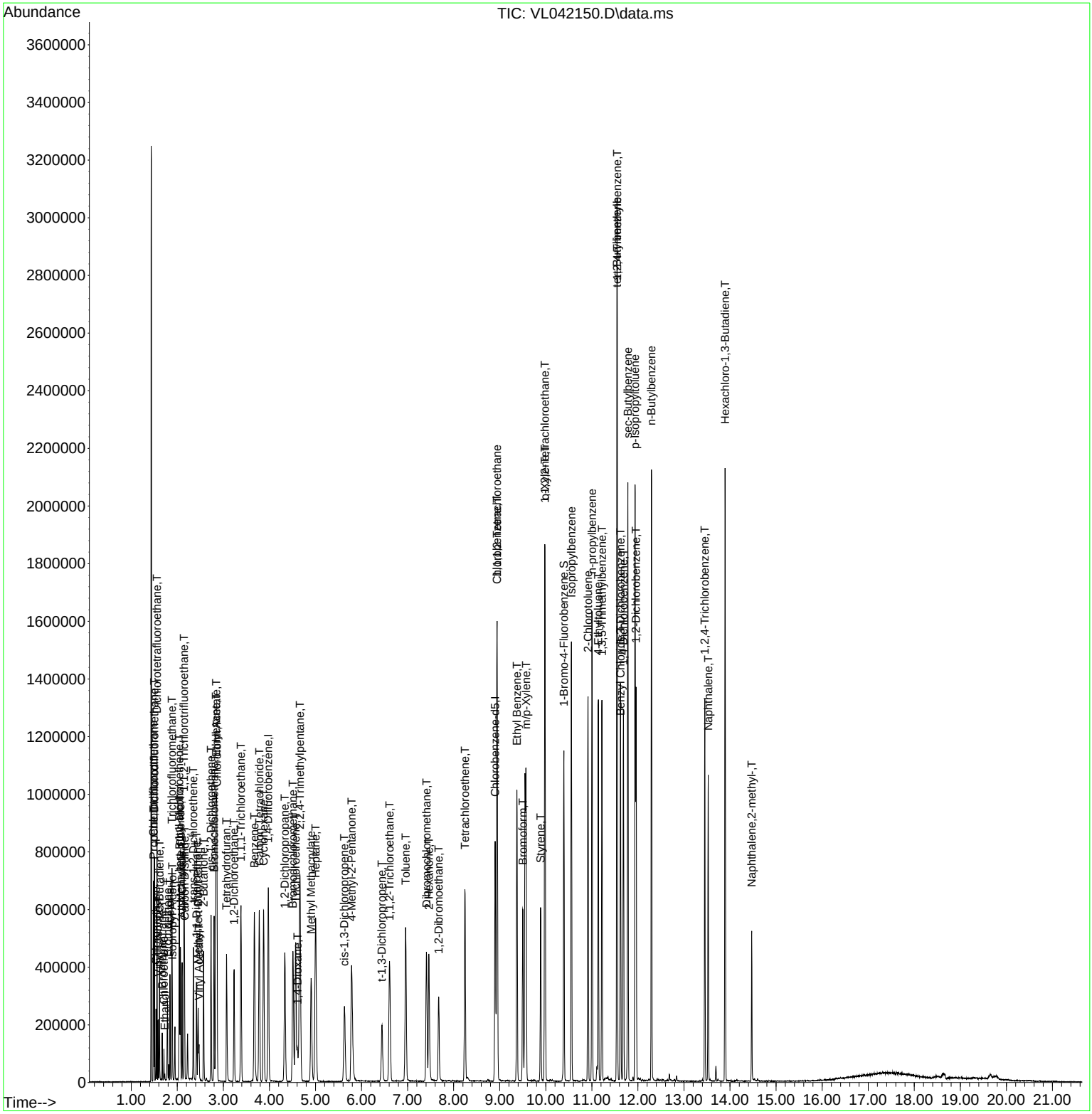
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

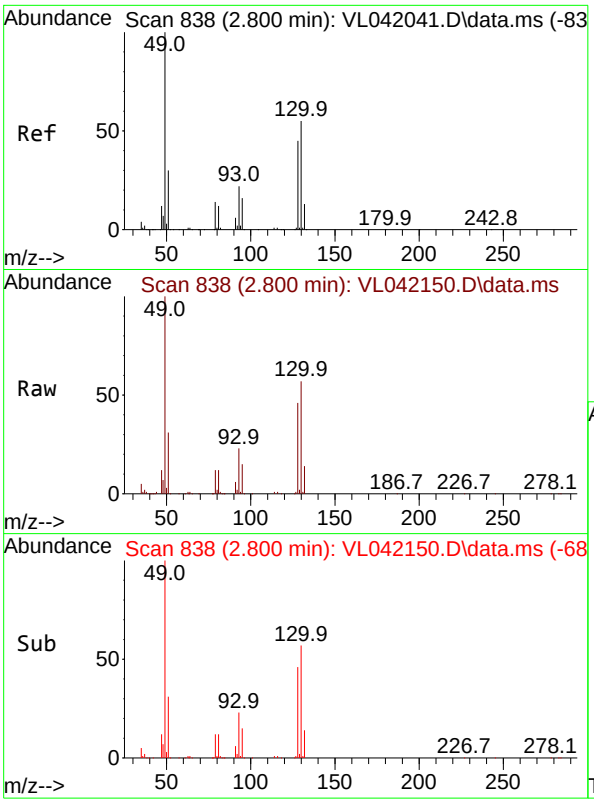
Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

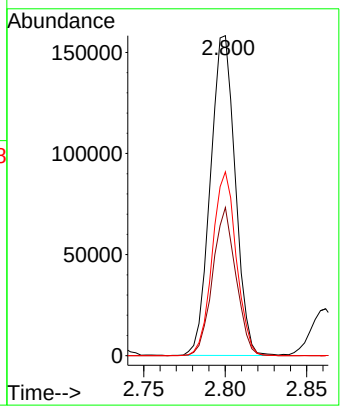




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 49 Resp: 16749

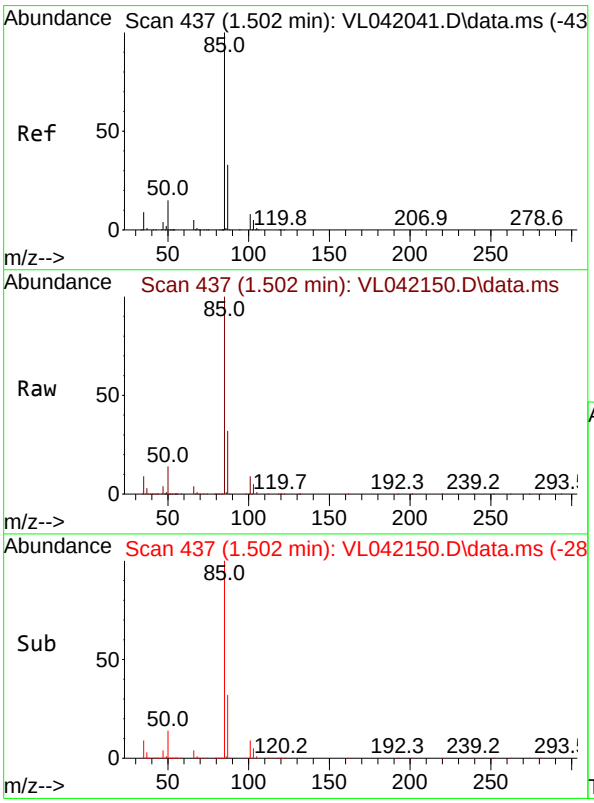
Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.6	64.8
130	55.5	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

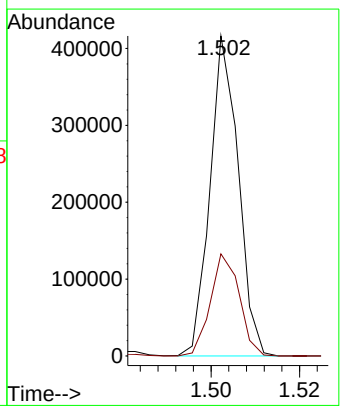
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

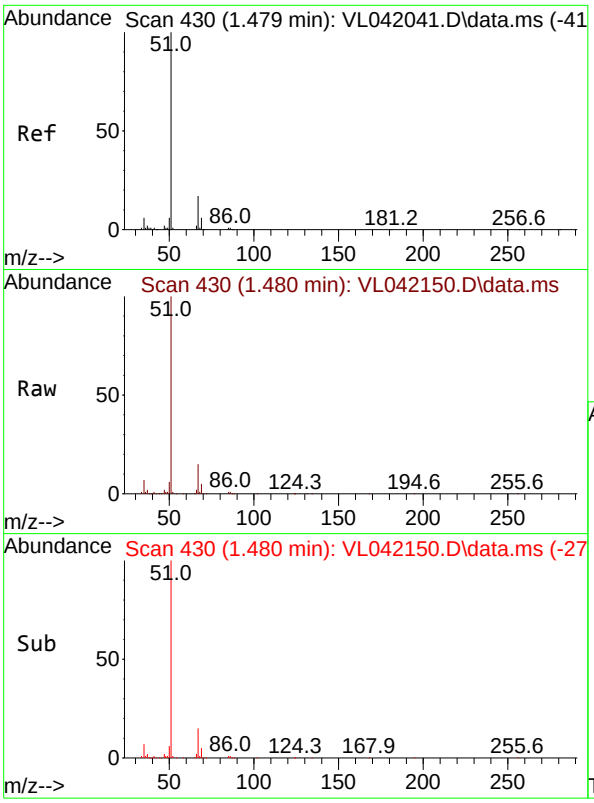


#2
Dichlorodifluoromethane
Concen: 10.618 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 85 Resp: 184928

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.4	39.6

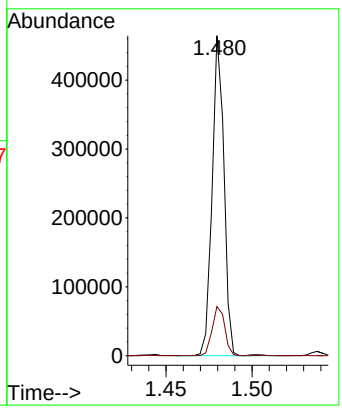




#3
Chlorodifluoromethane
Concen: 9.058 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 51 Resp: 22049

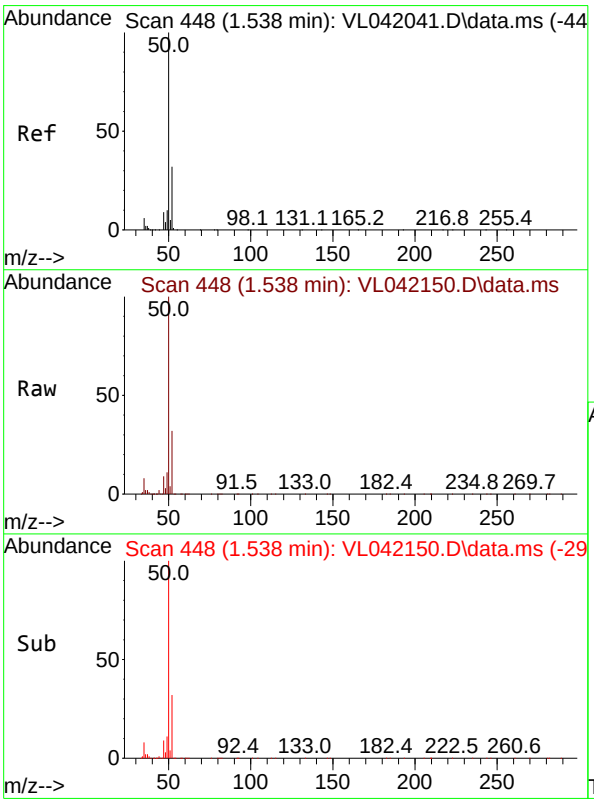
Ion	Ratio	Lower	Upper
51	100		
67	16.5	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

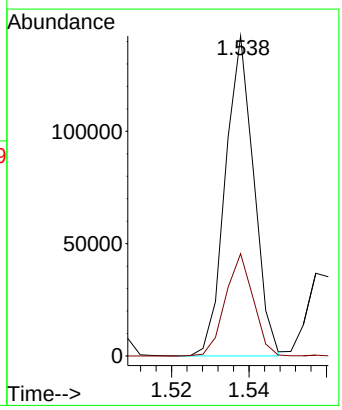
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

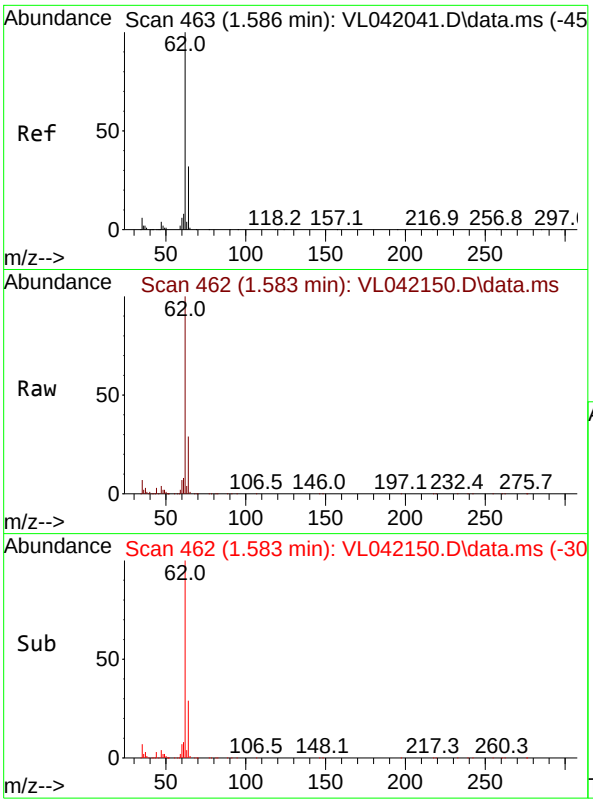


#4
Chloromethane
Concen: 11.254 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 50 Resp: 72484

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.4	38.0

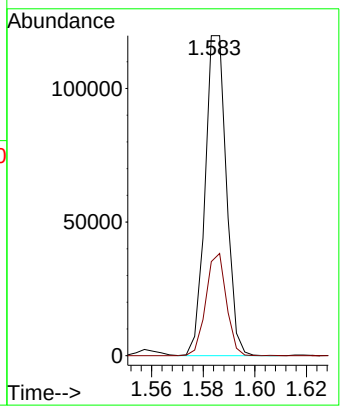




#5
Vinyl Chloride
Concen: 11.241 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 62 Resp: 6848

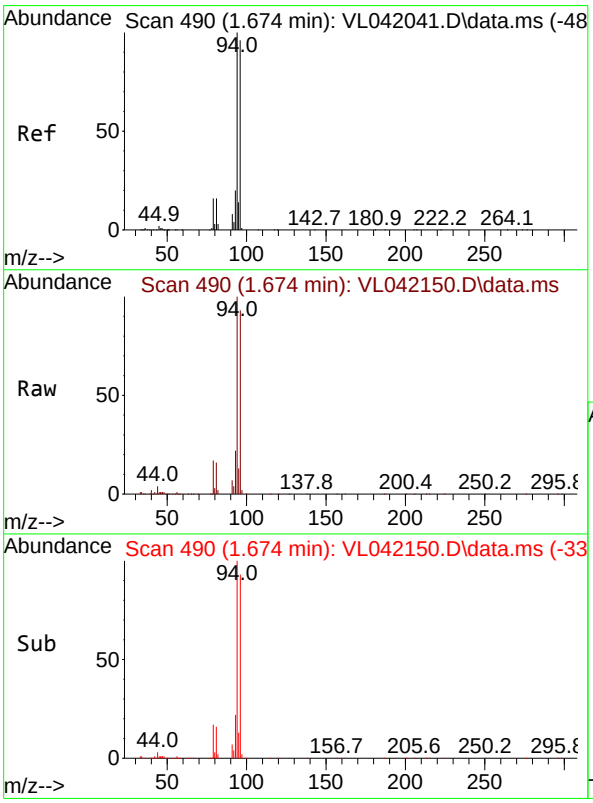
Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.3	37.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

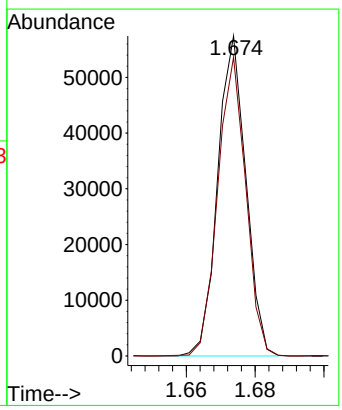
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

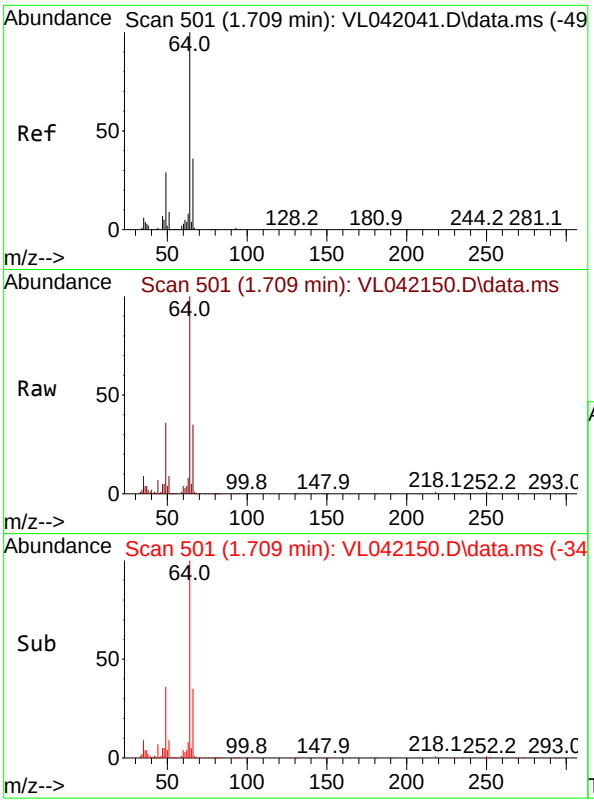


#6
Bromomethane
Concen: 11.245 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 94 Resp: 32623

Ion	Ratio	Lower	Upper
94	100		
96	93.2	76.5	114.7

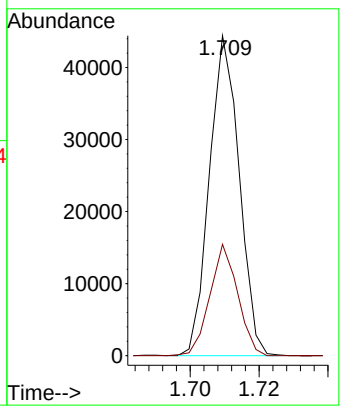




#7
Chloroethane
Concen: 10.766 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 64 Resp: 2665

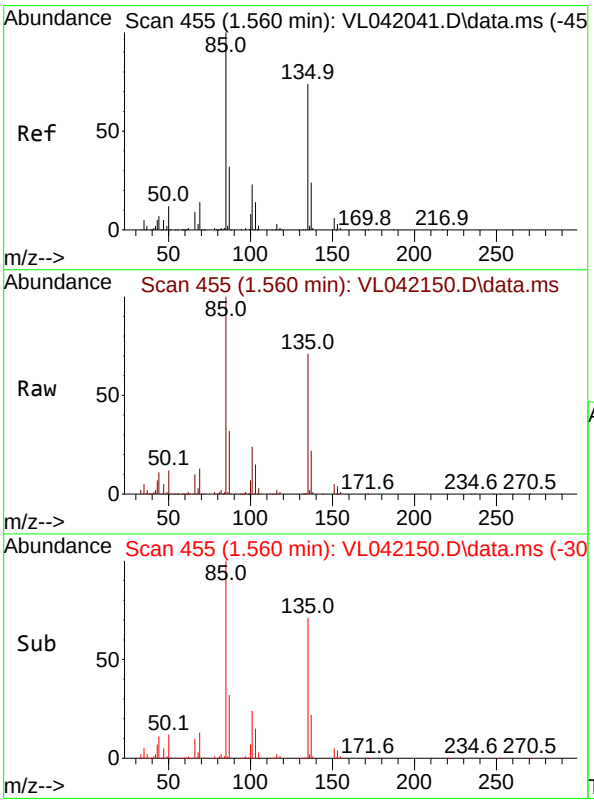
Ion	Ratio	Lower	Upper
64	100		
66	34.8	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

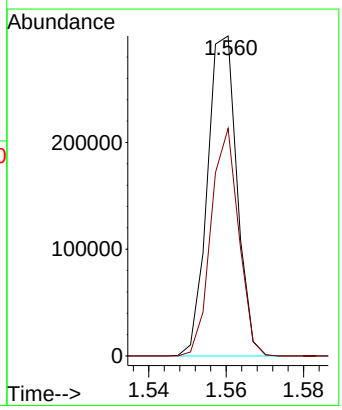
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

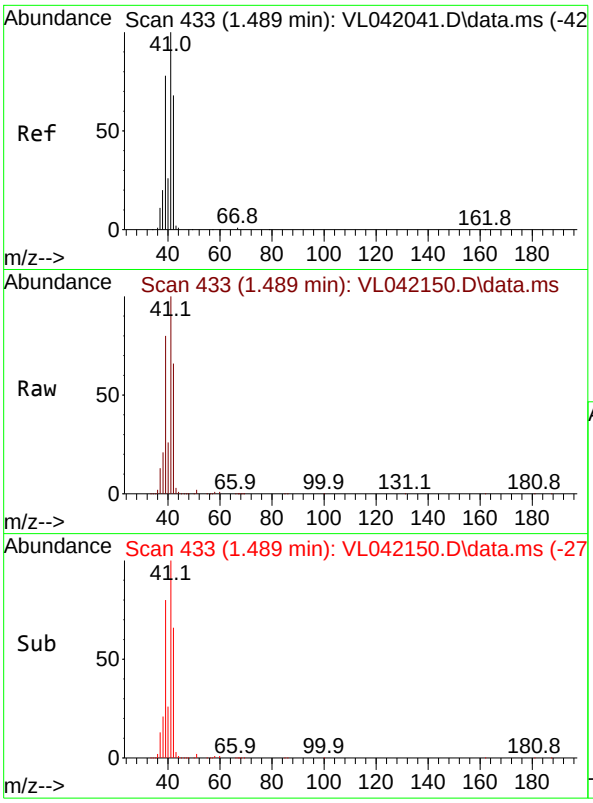


#8
Dichlorotetrafluoroethane
Concen: 11.144 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 85 Resp: 159560

Ion	Ratio	Lower	Upper
85	100		
135	66.3	54.6	81.8

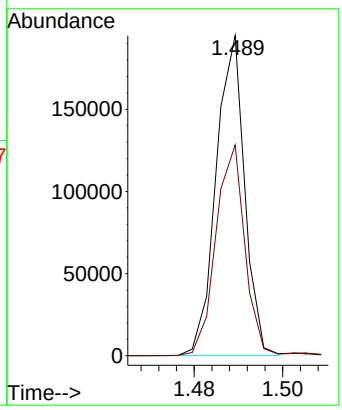




#9
Propene
Concen: 8.803 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 41 Resp: 8729

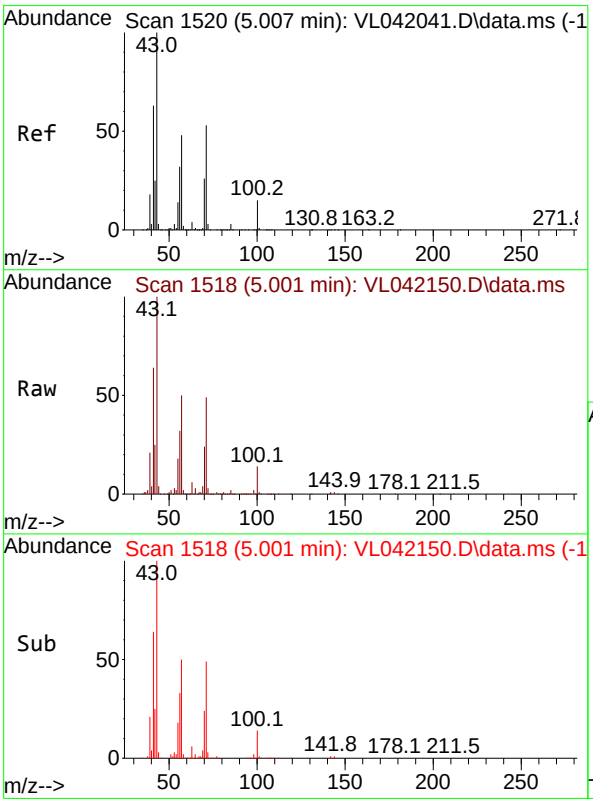
Ion	Ratio	Lower	Upper
41	100		
42	68.2	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

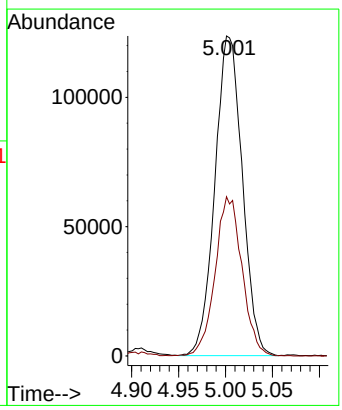
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

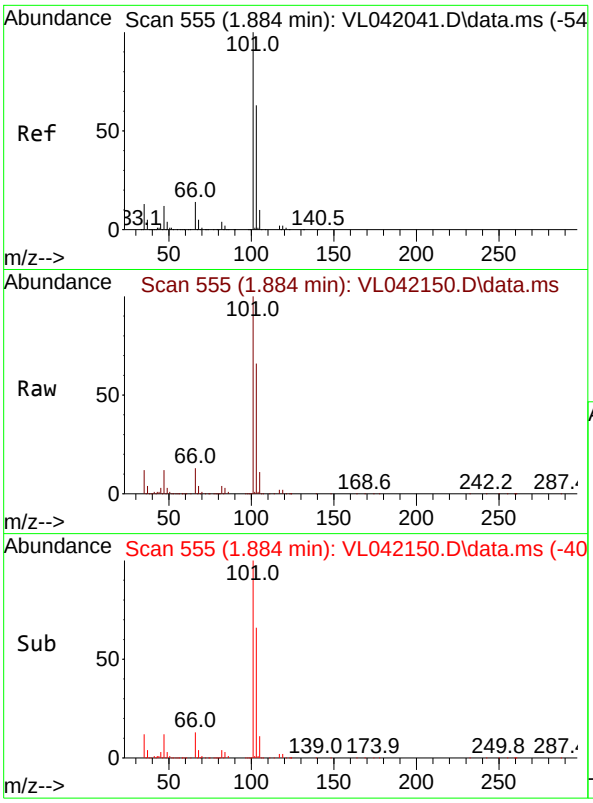


#10
Heptane
Concen: 8.126 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. -0.006 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 250907

Ion	Ratio	Lower	Upper
43	100		
57	48.9	39.4	59.0





#11
Trichlorofluoromethane
Concen: 11.542 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

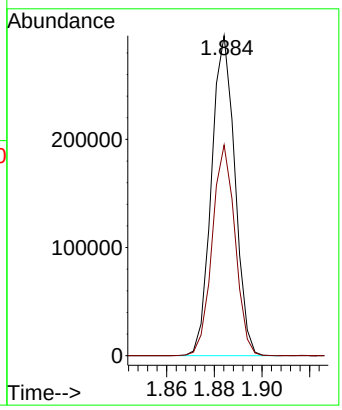
Tgt Ion:101 Resp: 20142

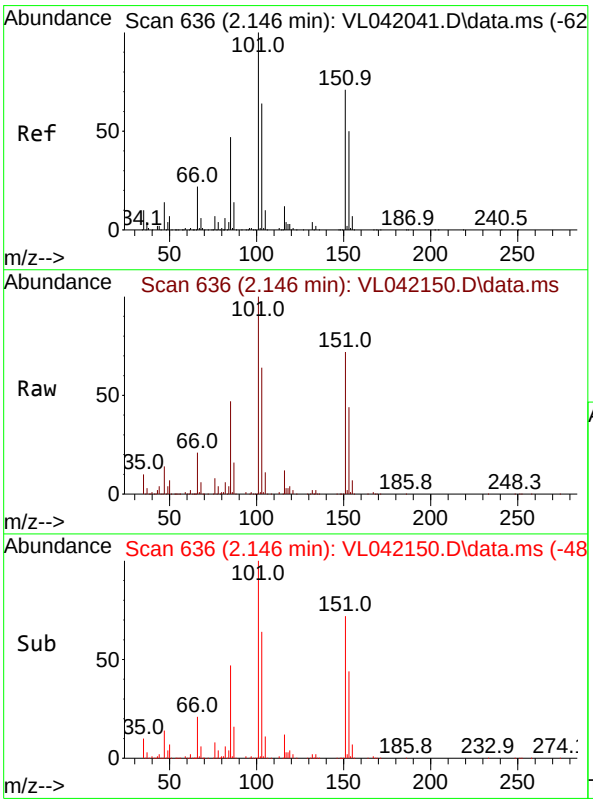
Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.6	75.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

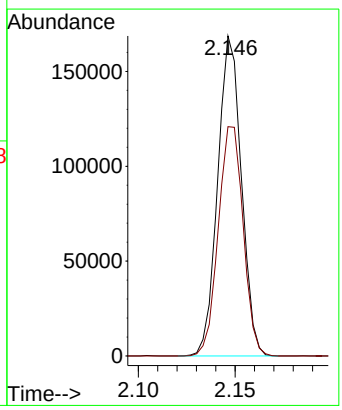


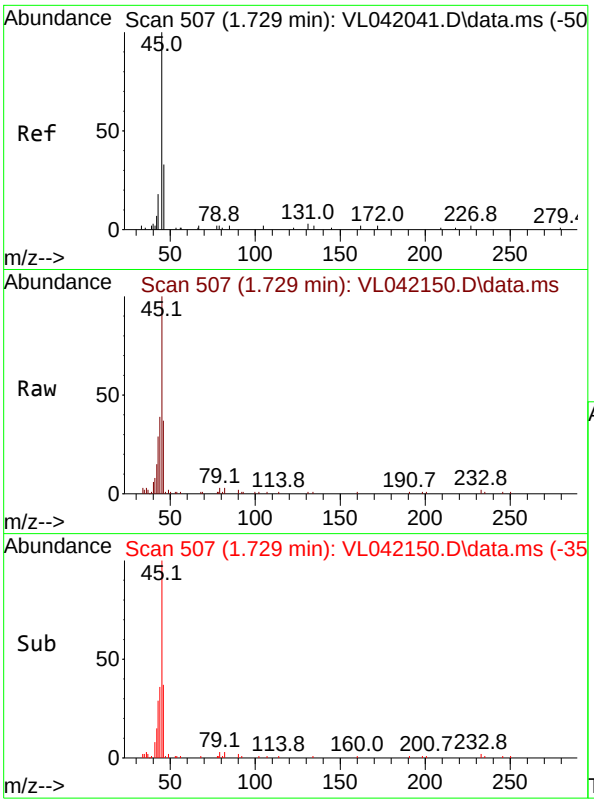


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.302 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:101 Resp: 143413

Ion	Ratio	Lower	Upper
101	100		
151	75.3	62.6	94.0

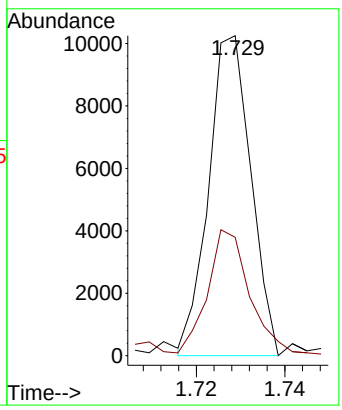




#13
Ethanol
Concen: 10.794 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 45 Resp: 679

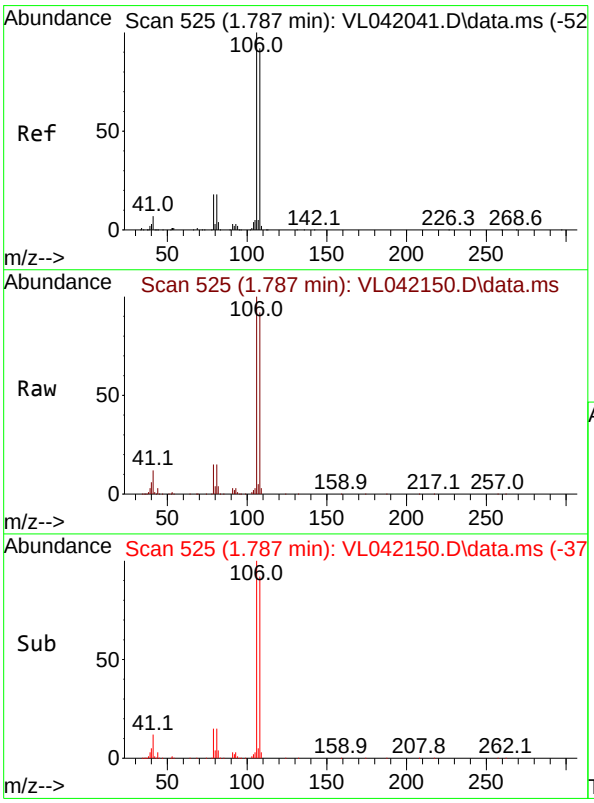
Ion	Ratio	Lower	Upper
45	100		
46	46.9	17.1	68.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

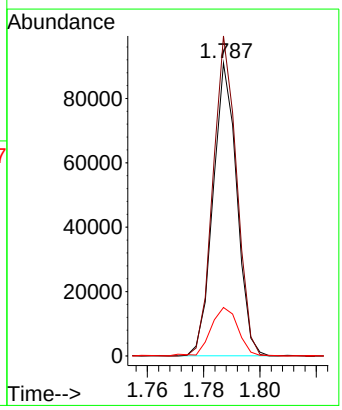
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

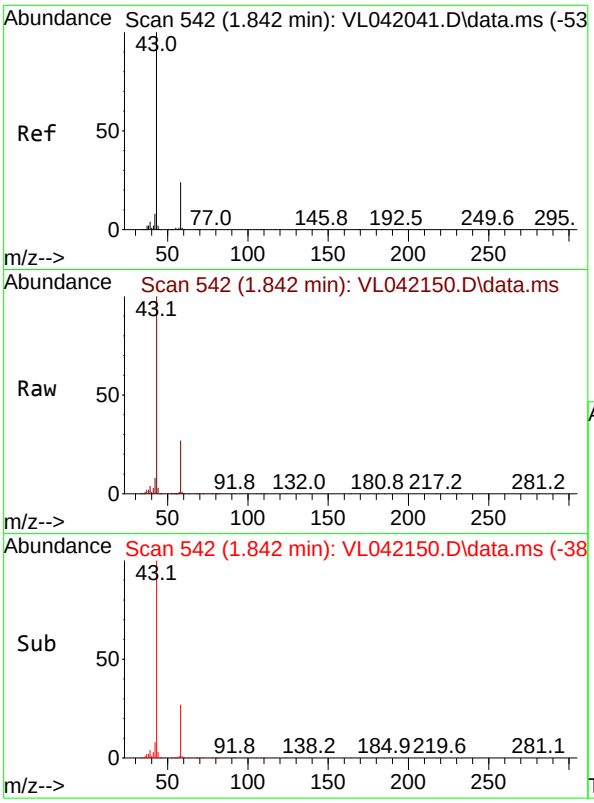


#14
Bromoethene
Concen: 10.823 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:108 Resp: 53205

Ion	Ratio	Lower	Upper
108	100		
106	108.6	85.4	128.0
79	19.3	16.5	24.7

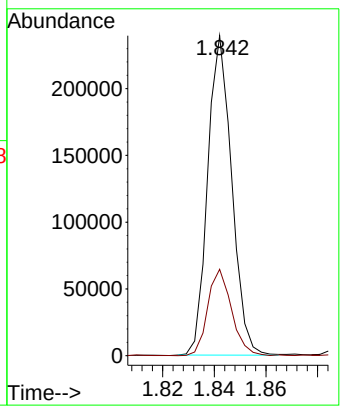




#15
Acetone
Concen: 10.436 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 15435

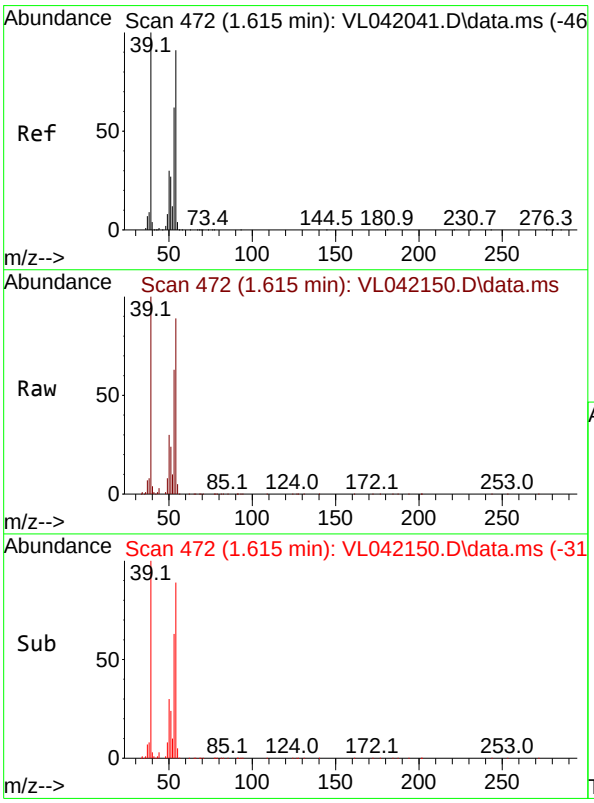
Ion	Ratio	Lower	Upper
43	100		
58	27.2	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

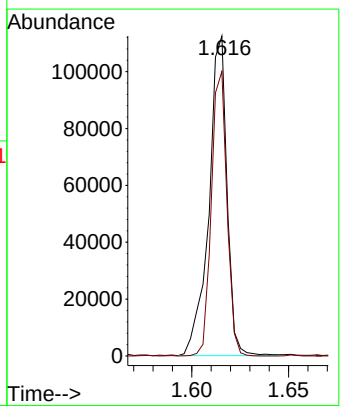
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

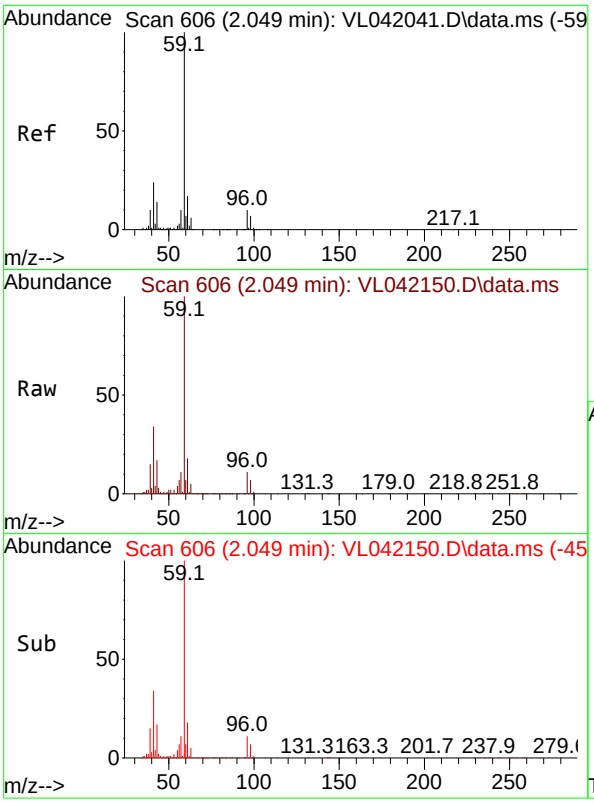


#16
1,3-Butadiene
Concen: 10.630 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 39 Resp: 73169

Ion	Ratio	Lower	Upper
39	100		
54	76.3	59.6	89.4

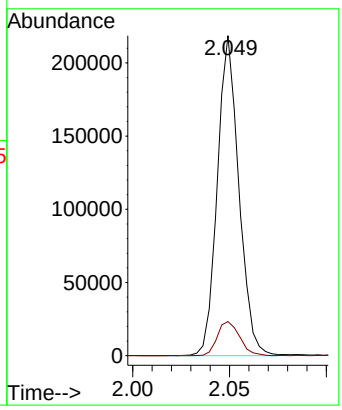




#17
tert-Butyl alcohol
Concen: 9.144 ppbv
RT: 2.049 min Scan# 6(
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 59 Resp: 16921

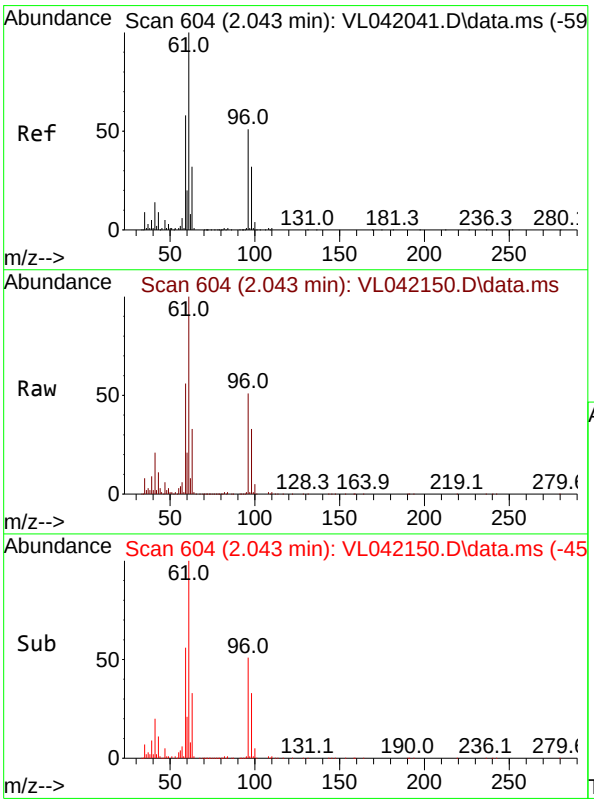
Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

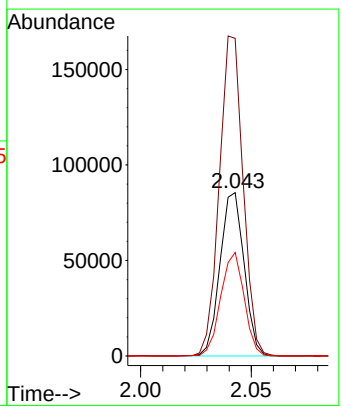
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

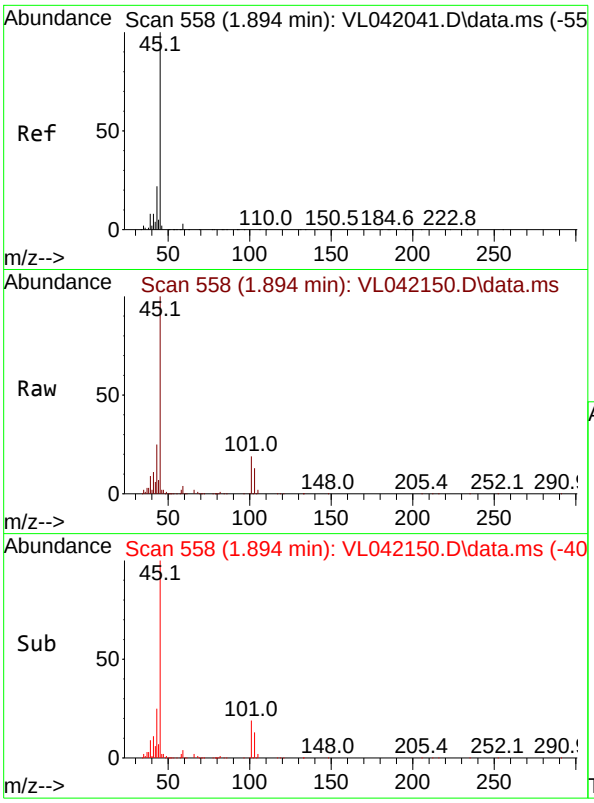


#18
1,1-Dichloroethene
Concen: 10.320 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 96 Resp: 64914

Ion	Ratio	Lower	Upper
96	100		
61	194.5	156.0	234.0
98	63.4	49.4	74.2

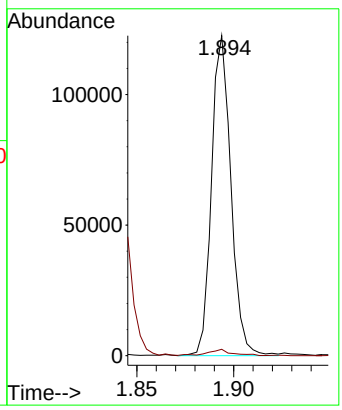




#19
Isopropyl Alcohol
Concen: 10.039 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 45 Resp: 8529

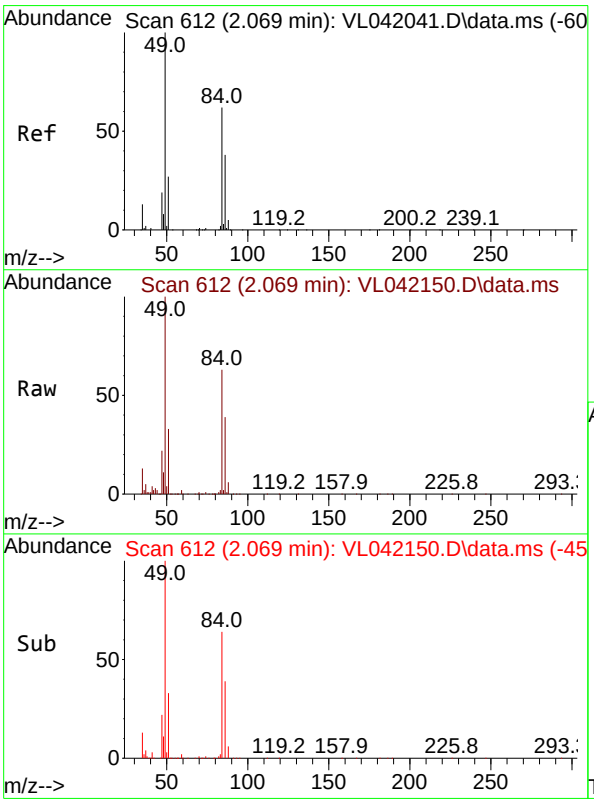
Ion	Ratio	Lower	Upper
45	100		
58	2.6	35.3	52.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

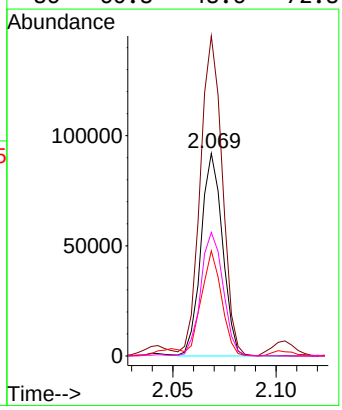
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

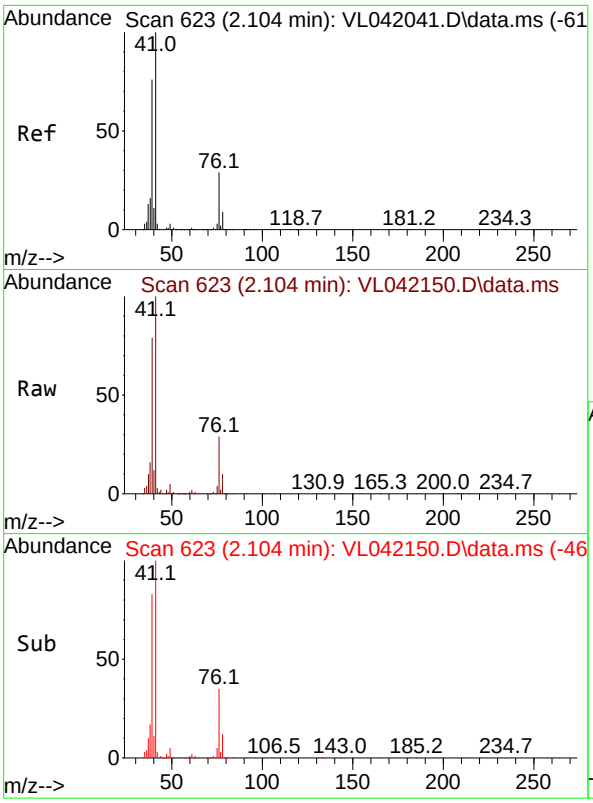


#20
Methylene Chloride
Concen: 11.923 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 84 Resp: 66711

Ion	Ratio	Lower	Upper
84	100		
49	155.9	130.0	195.0
51	49.2	37.4	56.0
86	60.8	48.6	72.8

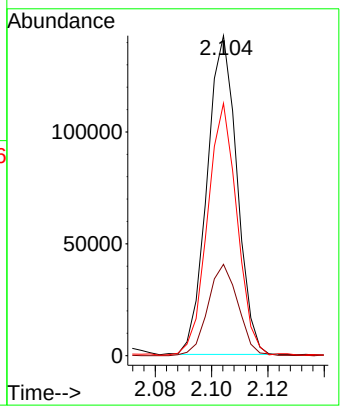




#21
Allyl Chloride
Concen: 9.845 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 41 Resp: 10521

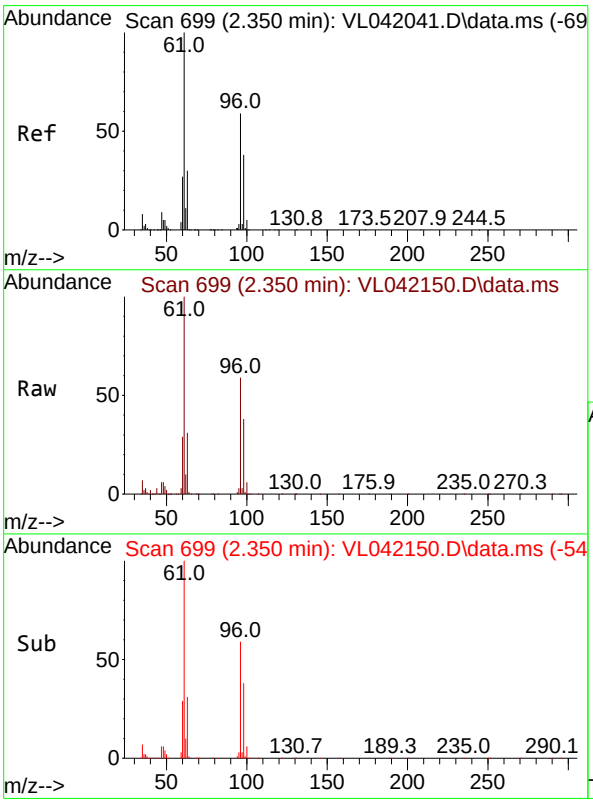
Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.8	35.6
39	78.1	63.8	95.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

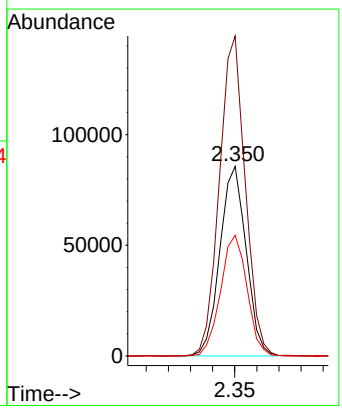
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

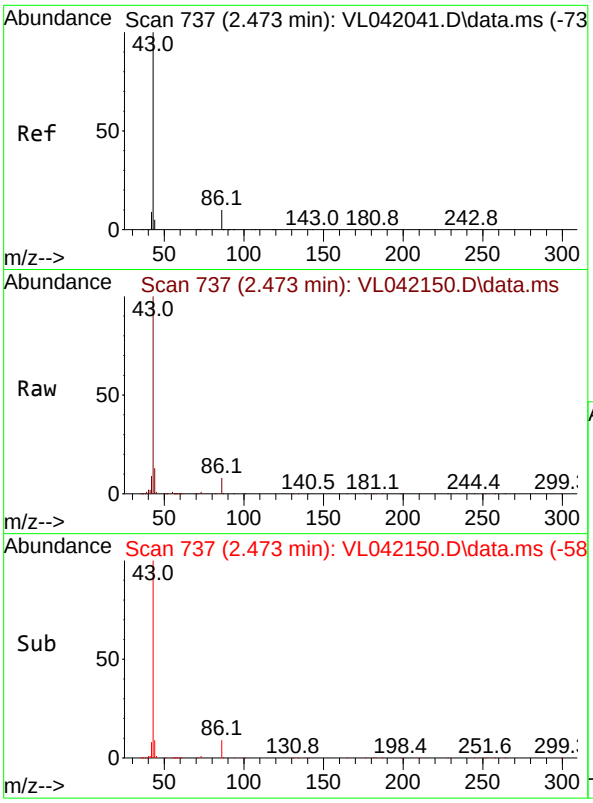


#22
trans-1,2-Dichloroethene
Concen: 9.652 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 96 Resp: 70772

Ion	Ratio	Lower	Upper
96	100		
61	168.6	136.6	205.0
98	63.6	51.8	77.6

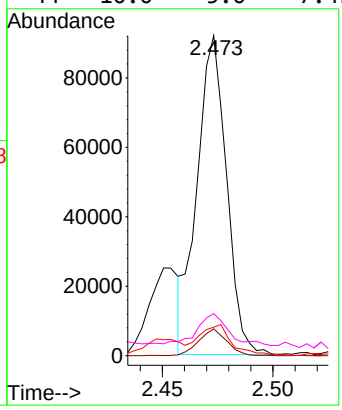




#23
Vinyl Acetate
Concen: 8.192 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 8519

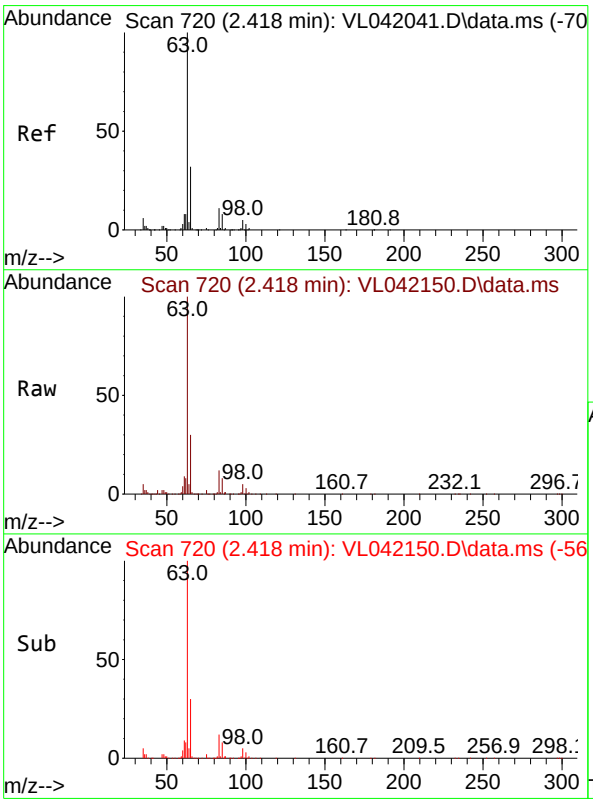
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.0	10.4
42	8.4	7.6	11.4
44	10.0	5.0	7.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

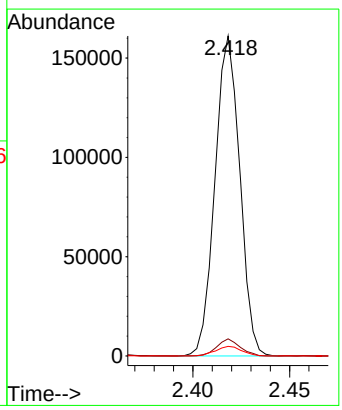
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

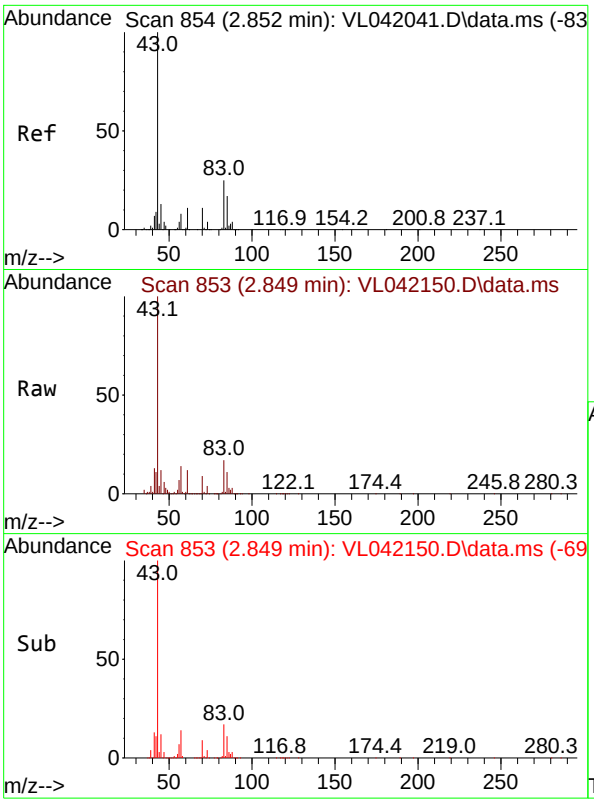


#24
1,1-Dichloroethane
Concen: 10.518 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 63 Resp: 143507

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.4	7.2
100	3.0	1.7	5.0

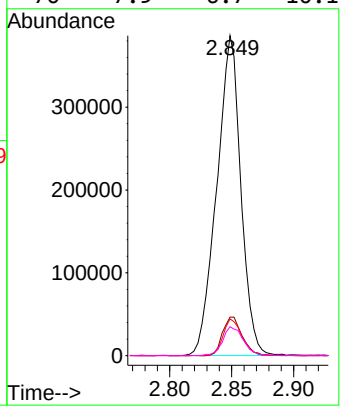




#25
Ethyl Acetate
Concen: 8.826 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 52257

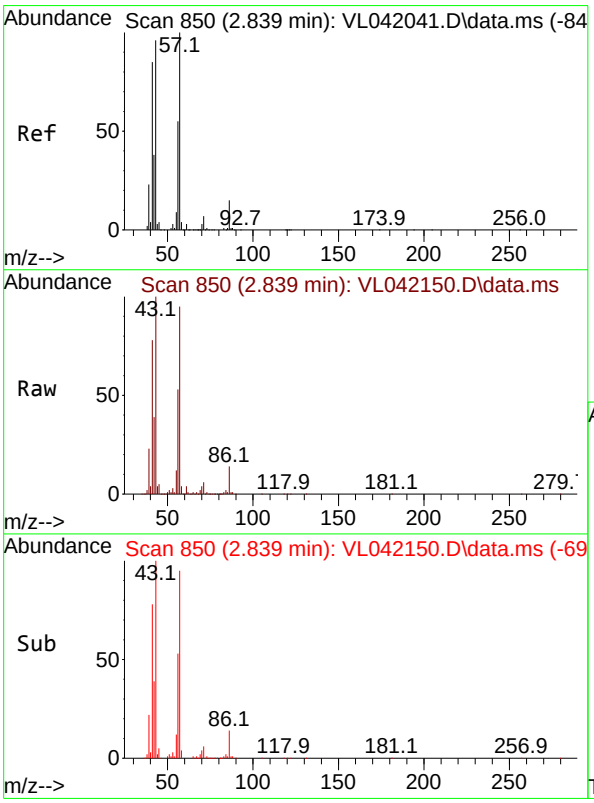
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.0	7.2	10.8
70	7.9	6.7	10.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

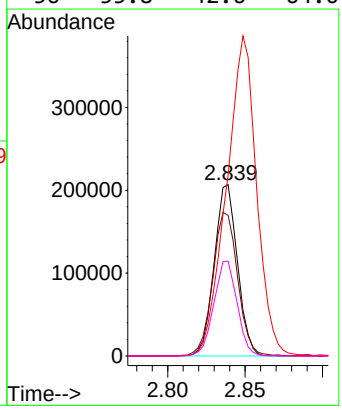
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

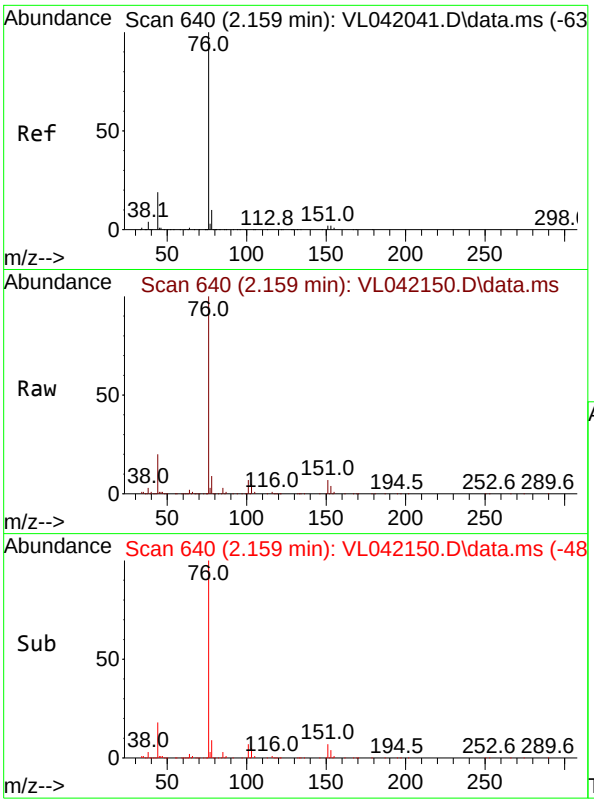


#26
Hexane
Concen: 8.985 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 57 Resp: 215056

Ion	Ratio	Lower	Upper
57	100		
41	91.1	70.6	106.0
43	244.1	199.4	299.0
56	55.8	42.6	64.0

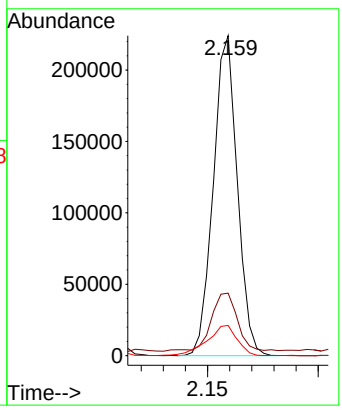




#27
Carbon Disulfide
Concen: 10.407 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 76 Resp: 16885

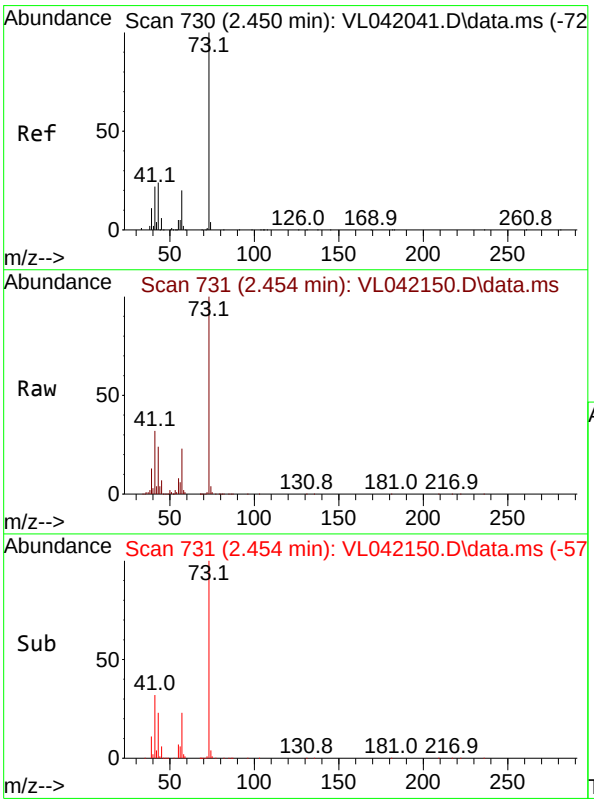
Ion	Ratio	Lower	Upper
76	100		
44	19.8	16.2	24.2
78	11.9	9.4	14.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

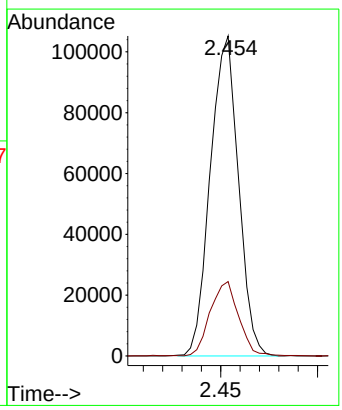
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

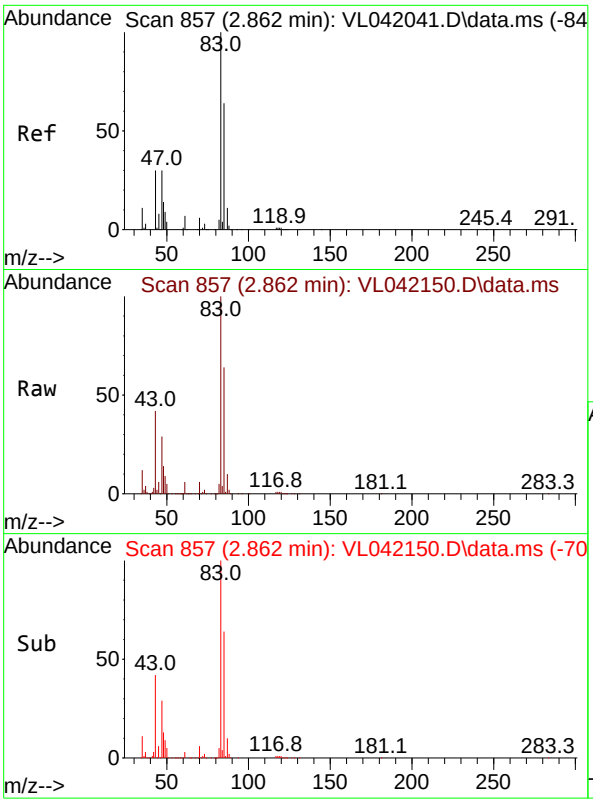


#28
Methyl tert-Butyl Ether
Concen: 8.918 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 73 Resp: 106277

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5

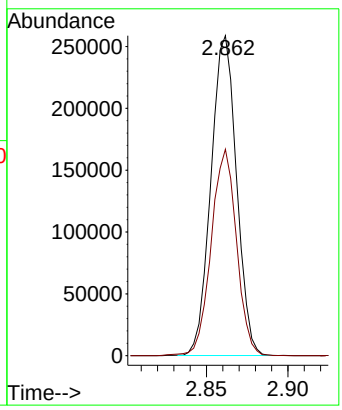




#29
Chloroform
Concen: 8.743 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 83 Resp: 28163

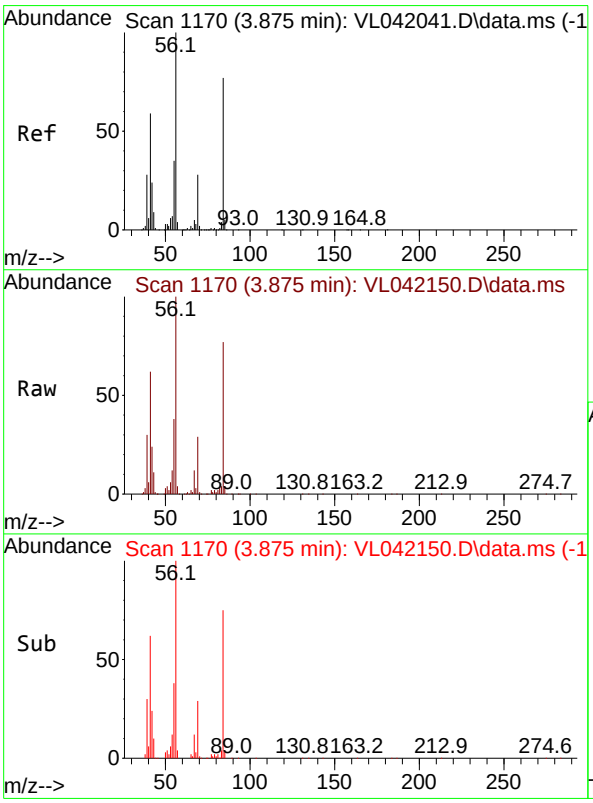
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

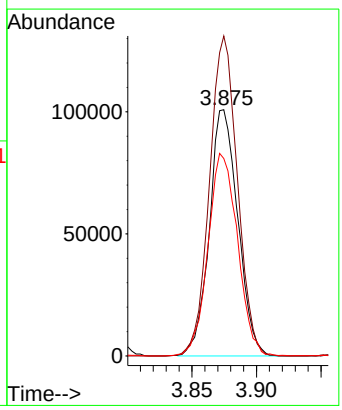
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

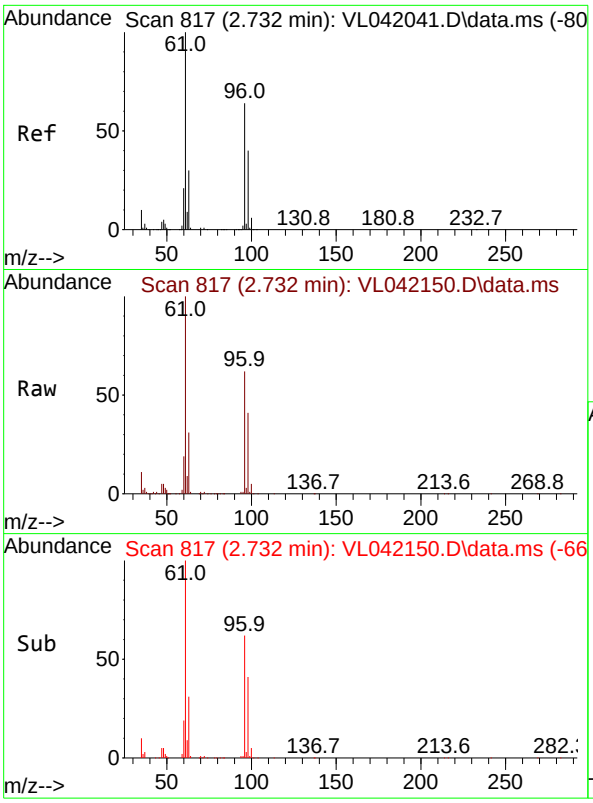


#30
Cyclohexane
Concen: 7.973 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 84 Resp: 154902

Ion	Ratio	Lower	Upper
84	100		
56	127.1	101.5	152.3
41	85.5	62.6	93.8

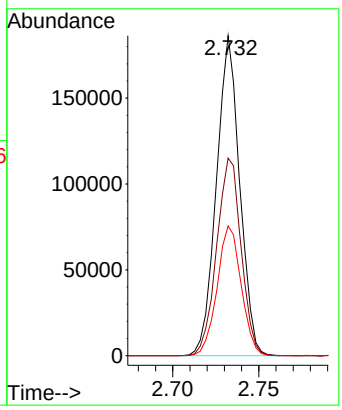




#31
cis-1,2-Dichloroethene
Concen: 7.747 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 61 Resp: 17554

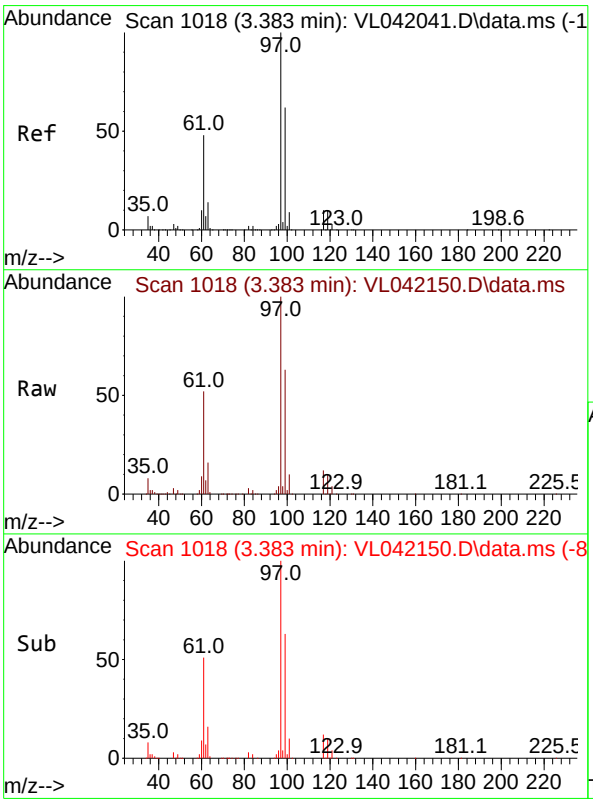
Ion	Ratio	Lower	Upper
61	100		
96	61.7	51.5	77.3
98	40.5	32.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

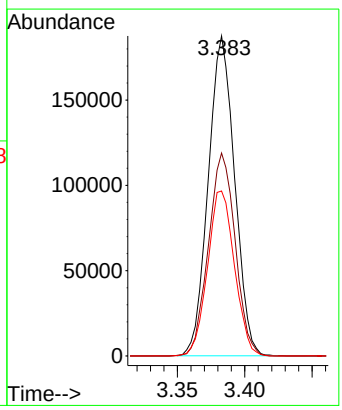
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

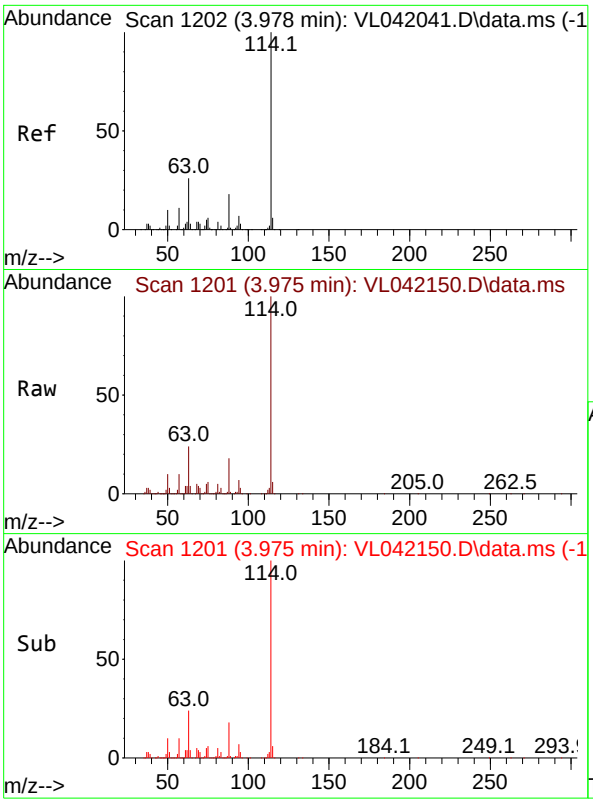


#32
1,1,1-Trichloroethane
Concen: 8.170 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 97 Resp: 255298

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	52.7	38.9	58.3

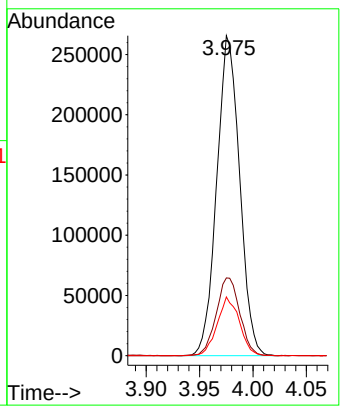




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:114 Resp: 39579

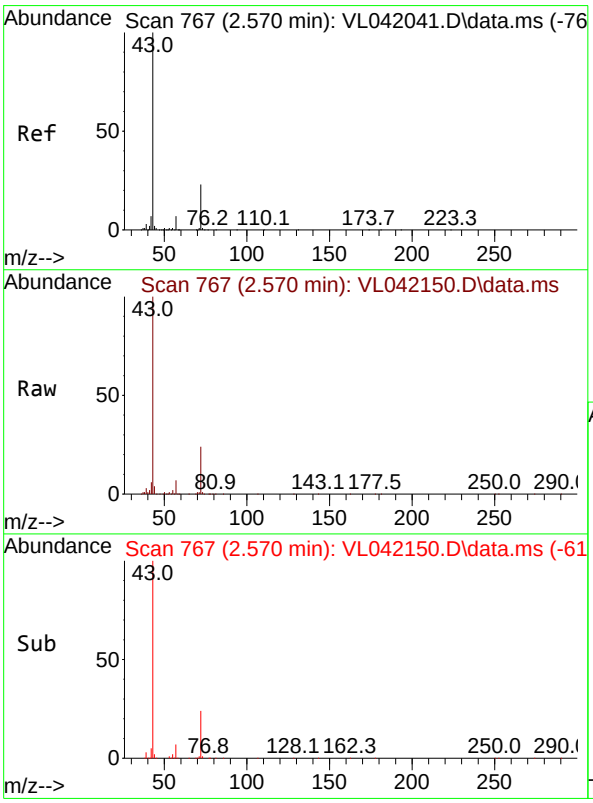
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.8	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

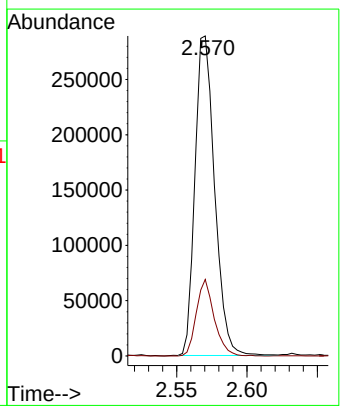
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

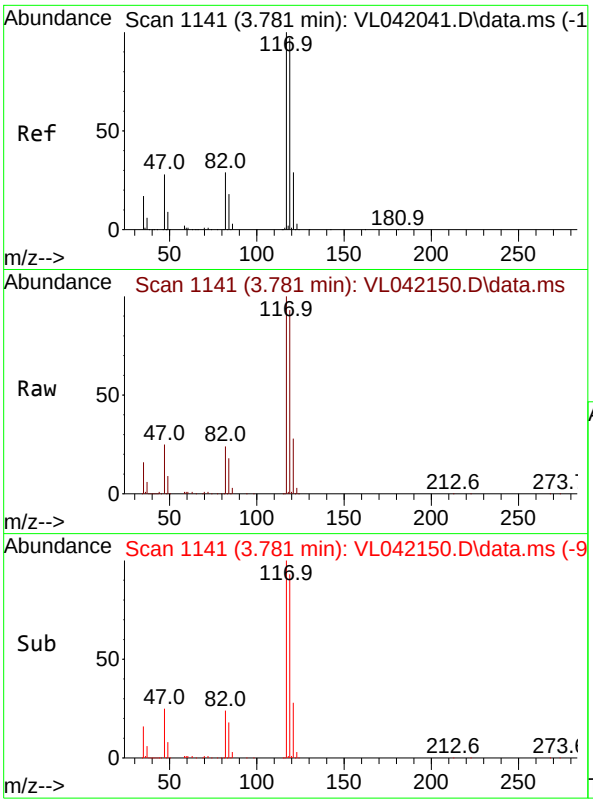


#34
2-Butanone
Concen: 9.093 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 280367

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7

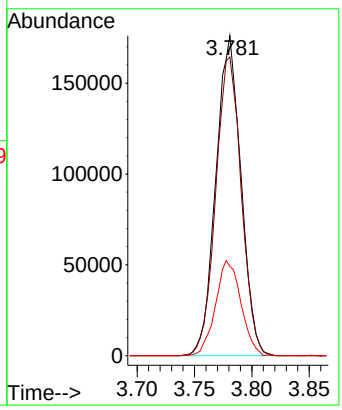




#35
Carbon Tetrachloride
Concen: 9.811 ppbv
RT: 3.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:117 Resp: 26776

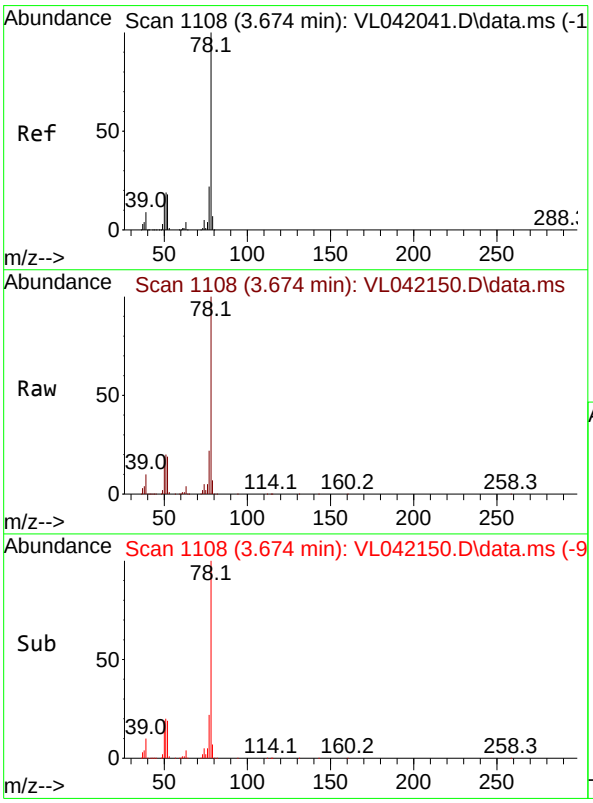
Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.8
121	27.9	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

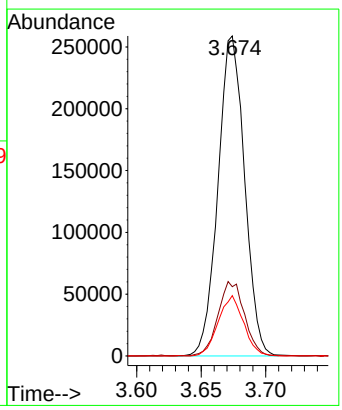
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

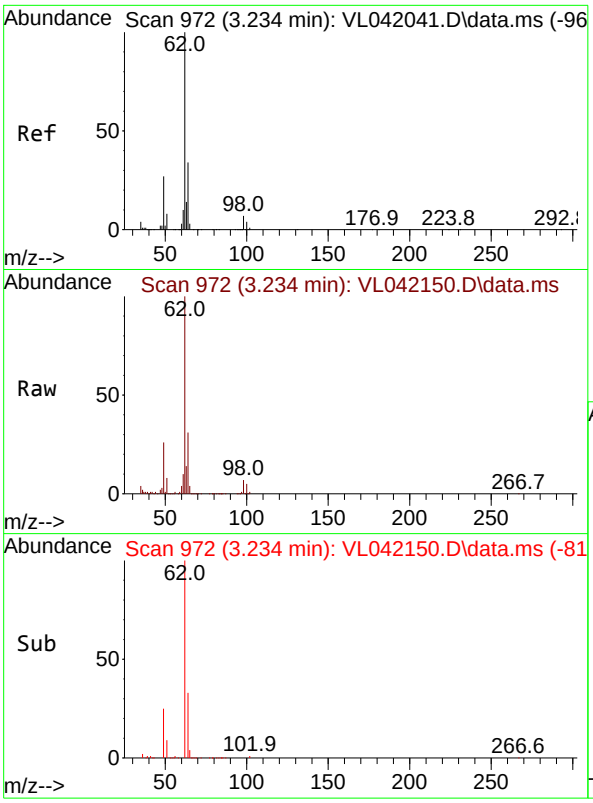


#36
Benzene
Concen: 8.938 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 78 Resp: 370323

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.7	26.5
50	18.8	13.9	20.9

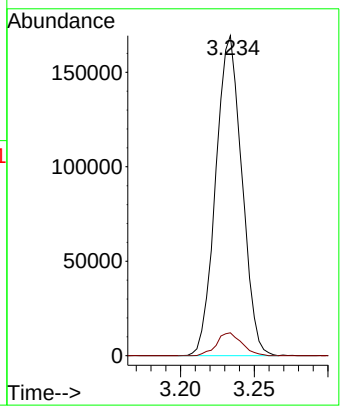




#37
1,2-Dichloroethane
Concen: 9.097 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 62 Resp: 20896

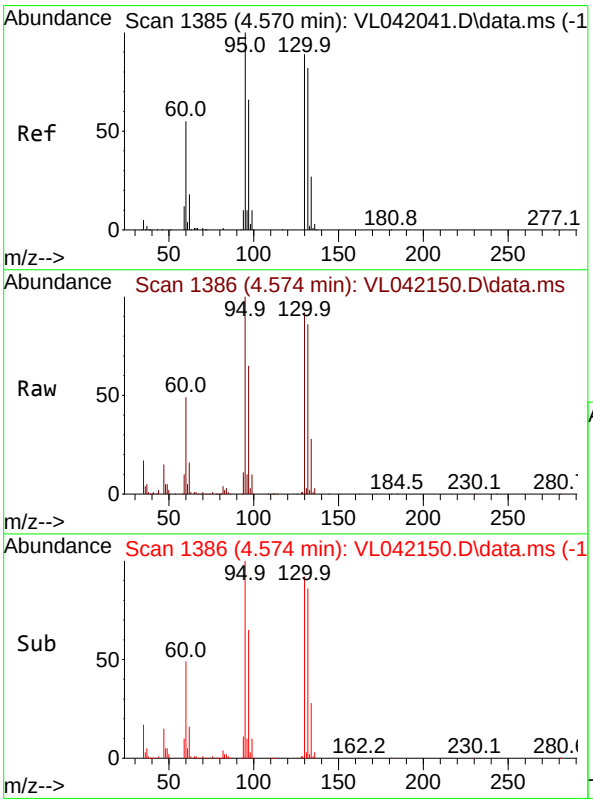
Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

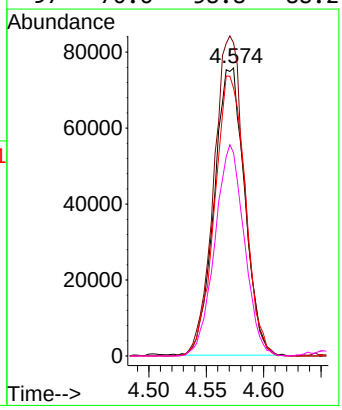
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

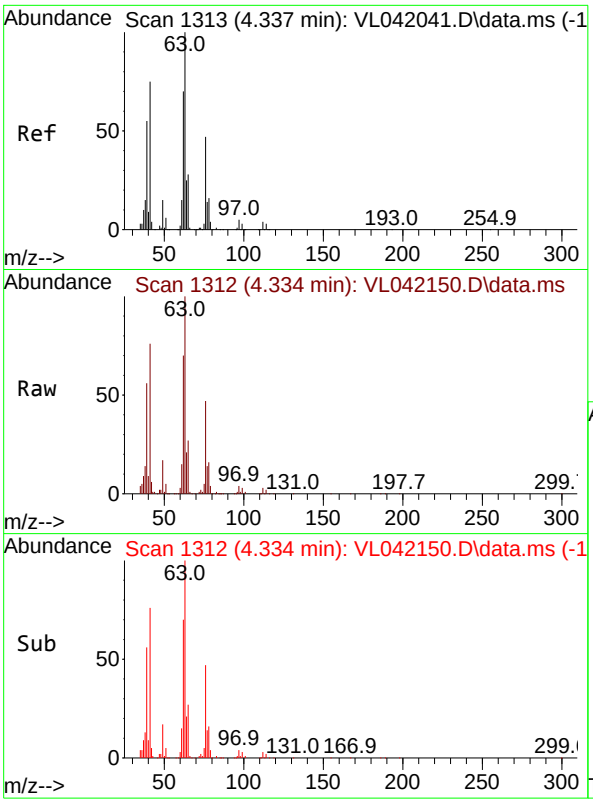


#38
Trichloroethene
Concen: 8.253 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:130 Resp: 139636

Ion	Ratio	Lower	Upper
130	100		
95	108.7	89.5	134.3
132	93.3	73.8	110.6
97	70.6	58.8	88.2

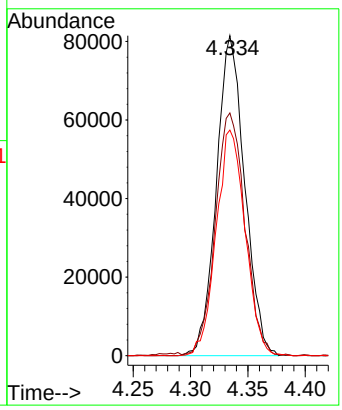




#39
1,2-Dichloropropane
Concen: 8.888 ppbv
RT: 4.334 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 63 Resp: 13977

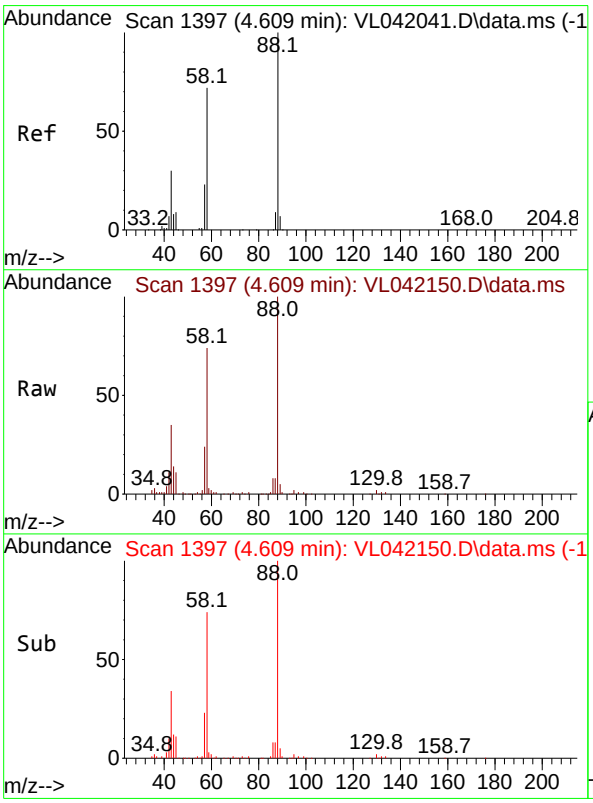
Ion	Ratio	Lower	Upper
63	100		
41	75.5	60.1	90.1
62	70.5	55.8	83.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

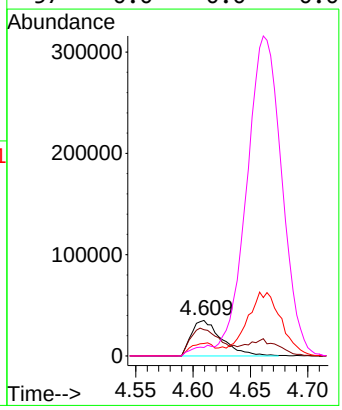
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

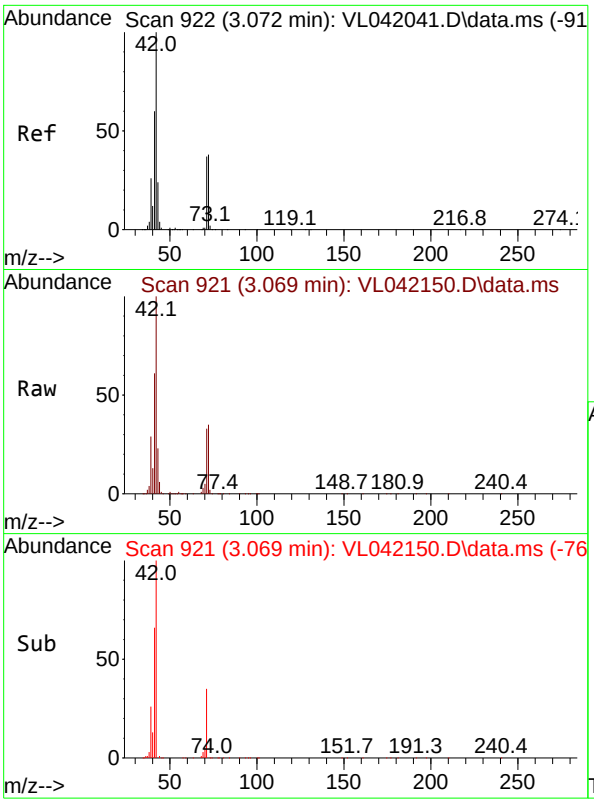


#40
1,4-Dioxane
Concen: 8.992 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 88 Resp: 64556

Ion	Ratio	Lower	Upper
88	100		
58	79.0	62.6	94.0
43	27.6	0.0	0.0#
57	0.0	0.0	0.0

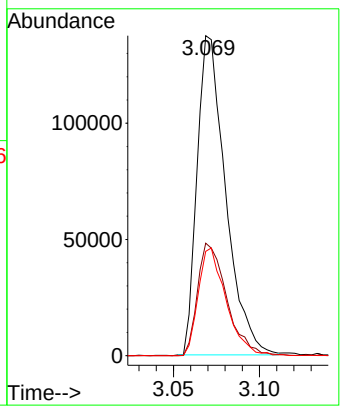




#41
Tetrahydrofuran
Concen: 8.682 ppbv
RT: 3.069 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 42 Resp: 15818

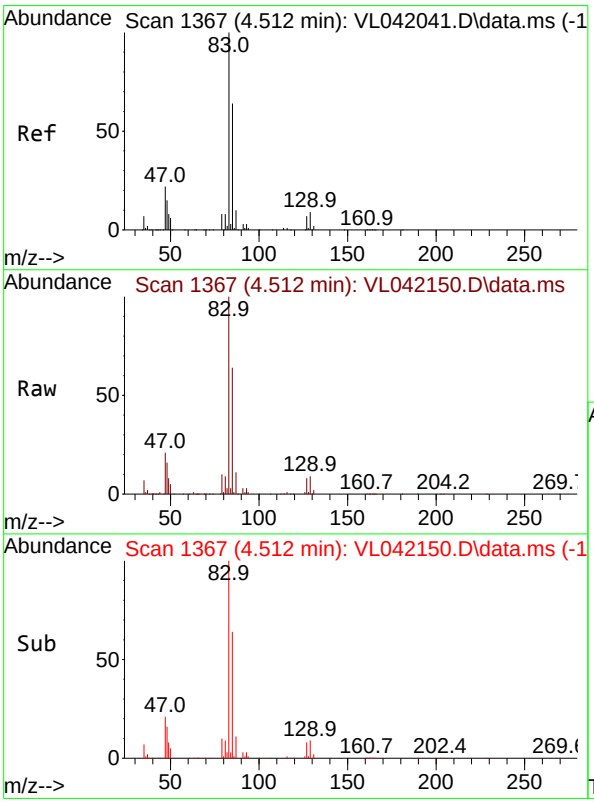
Ion	Ratio	Lower	Upper
42	100		
72	36.2	30.2	45.2
71	33.1	28.2	42.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

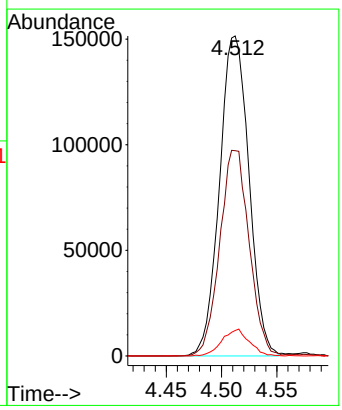
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

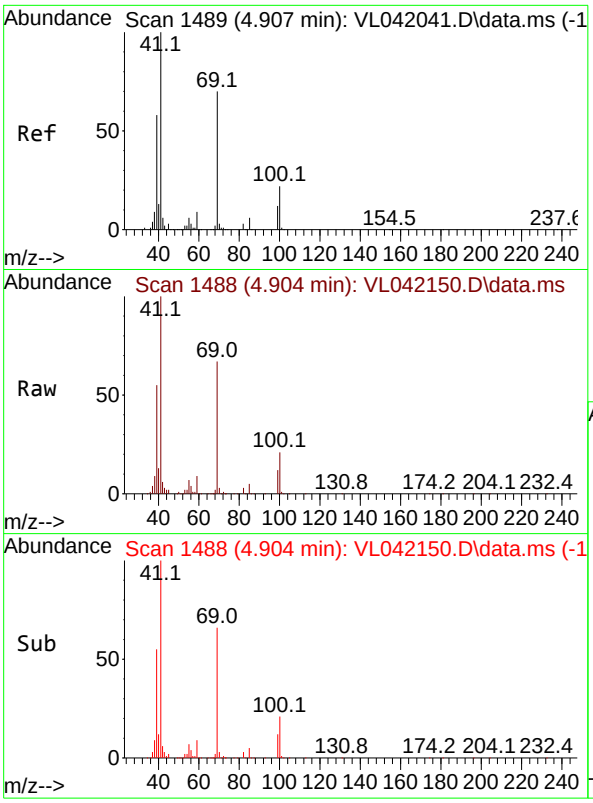


#42
Bromodichloromethane
Concen: 9.055 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 83 Resp: 280274

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	8.0	5.8	8.6

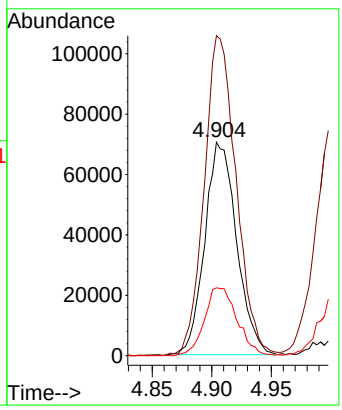




#43
Methyl Methacrylate
Concen: 8.084 ppbv
RT: 4.904 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 69 Resp: 13080

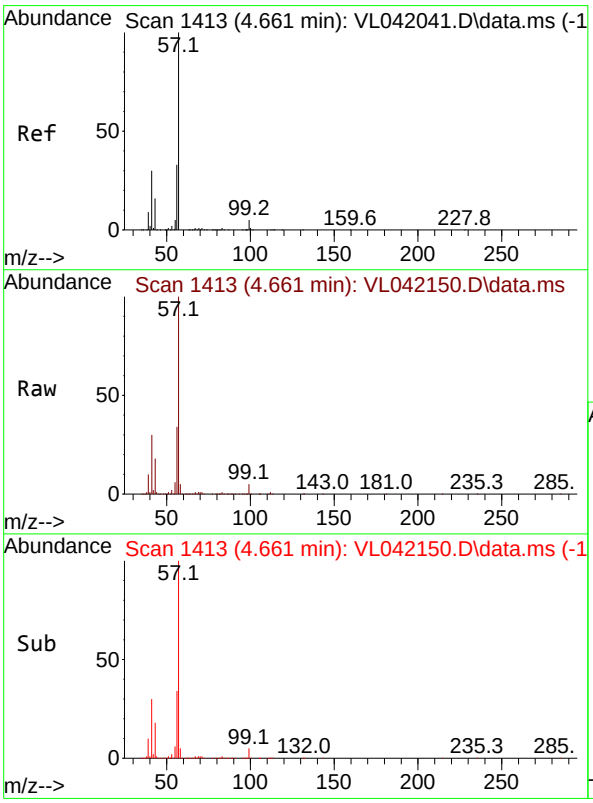
Ion	Ratio	Lower	Upper
69	100		
41	151.1	118.2	177.4
100	32.8	27.0	40.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

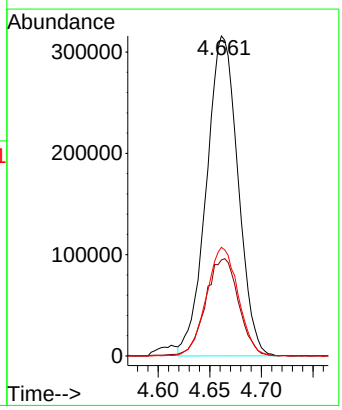
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

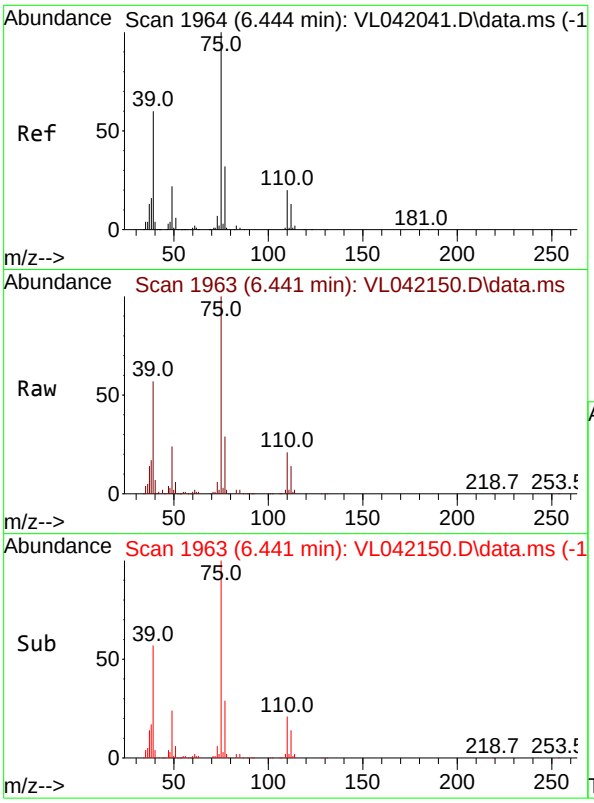


#44
2,2,4-Trimethylpentane
Concen: 9.184 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 57 Resp: 671554

Ion	Ratio	Lower	Upper
57	100		
41	31.9	24.4	36.6
56	34.3	26.5	39.7

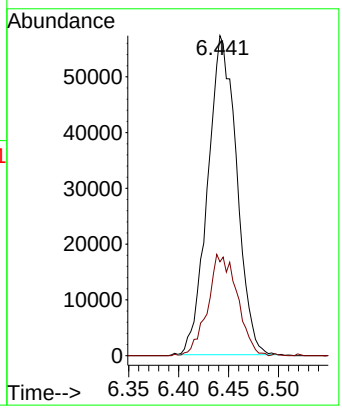




#45
t-1,3-Dichloropropene
Concen: 7.171 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 75 Resp: 11528

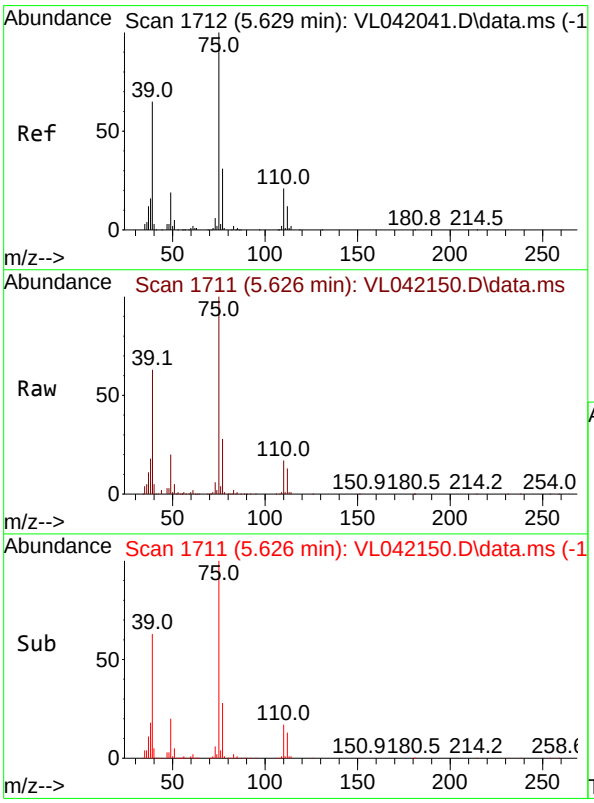
Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

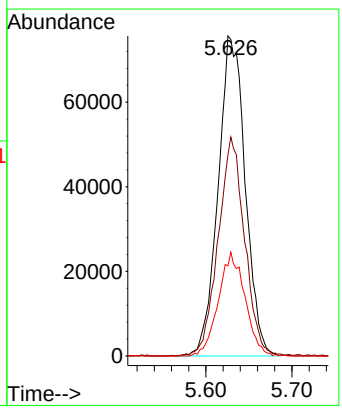
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

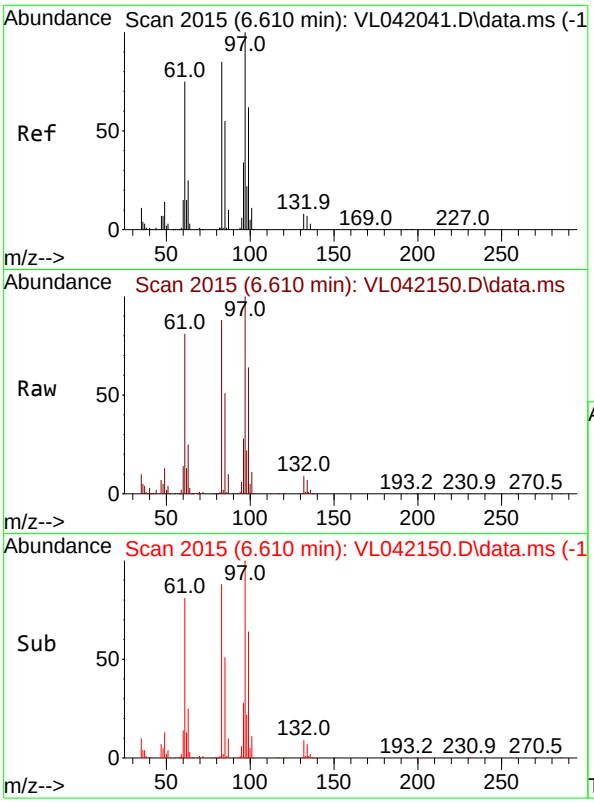


#46
cis-1,3-Dichloropropene
Concen: 7.956 ppbv
RT: 5.626 min Scan# 1711
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 75 Resp: 165501

Ion	Ratio	Lower	Upper
75	100		
39	62.7	51.9	77.9
77	28.2	24.9	37.3

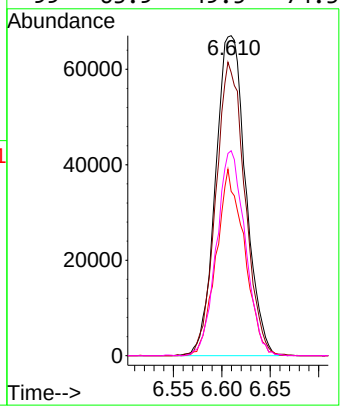




#47
1,1,2-Trichloroethane
Concen: 9.091 ppbv
RT: 6.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 97 Resp: 14515

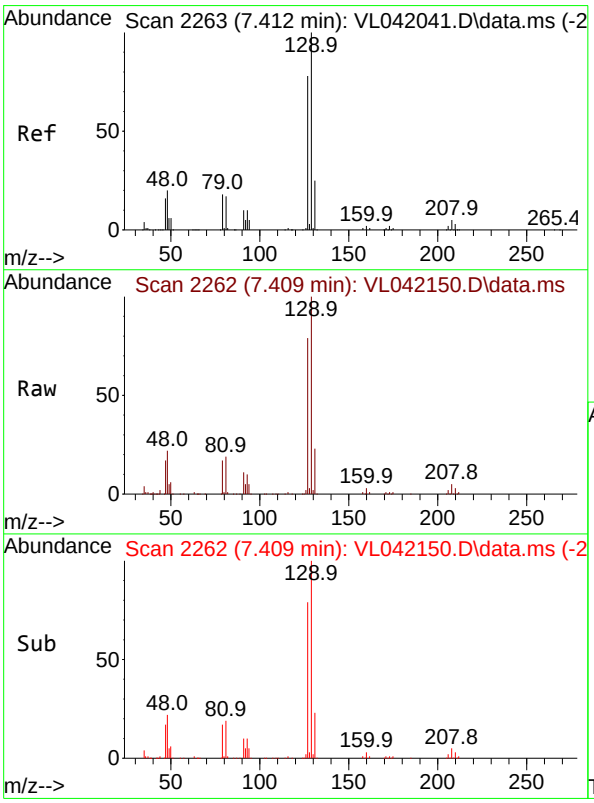
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.1	102.1
85	51.3	44.0	66.0
99	63.9	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

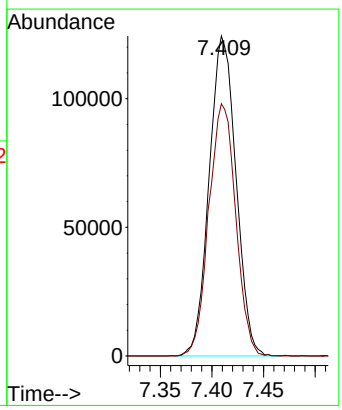
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

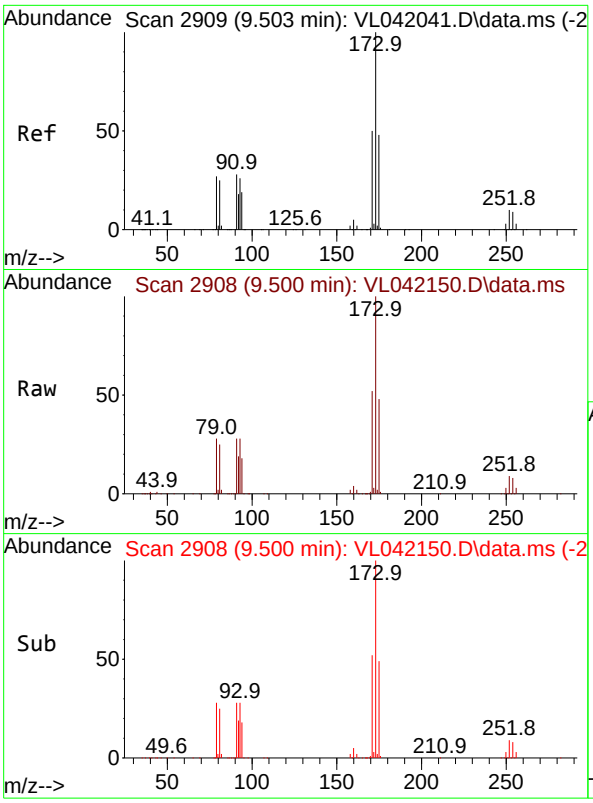


#48
Dibromochloromethane
Concen: 8.980 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:129 Resp: 224553

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.8

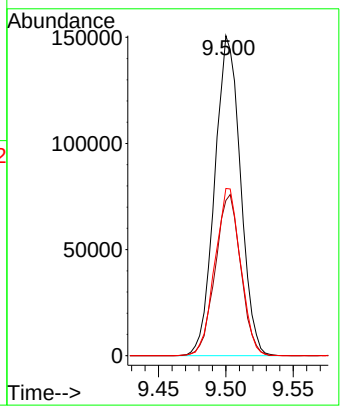




#49
Bromoform
Concen: 9.218 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:173 Resp: 20016

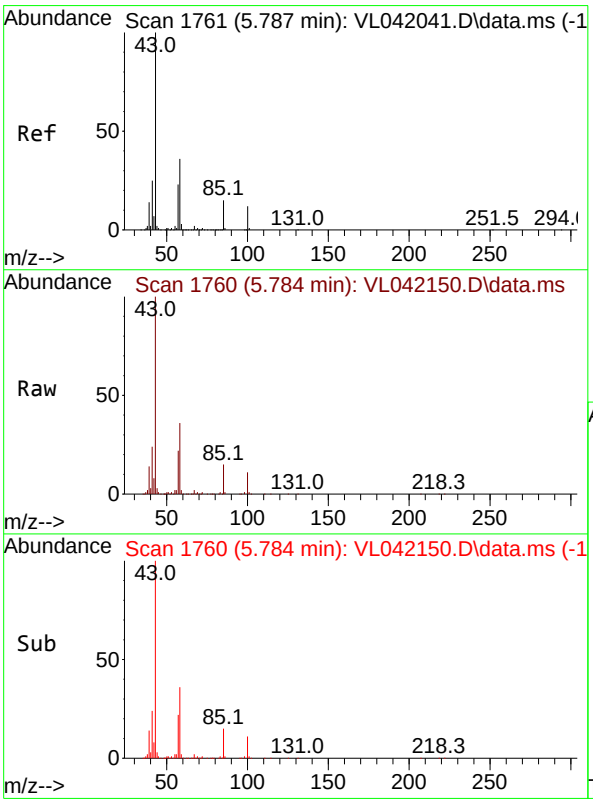
Ion	Ratio	Lower	Upper
173	100		
175	49.9	38.3	57.5
171	52.1	40.2	60.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

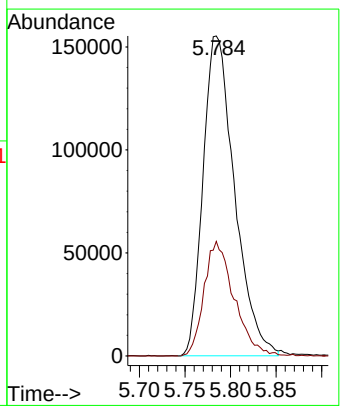
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

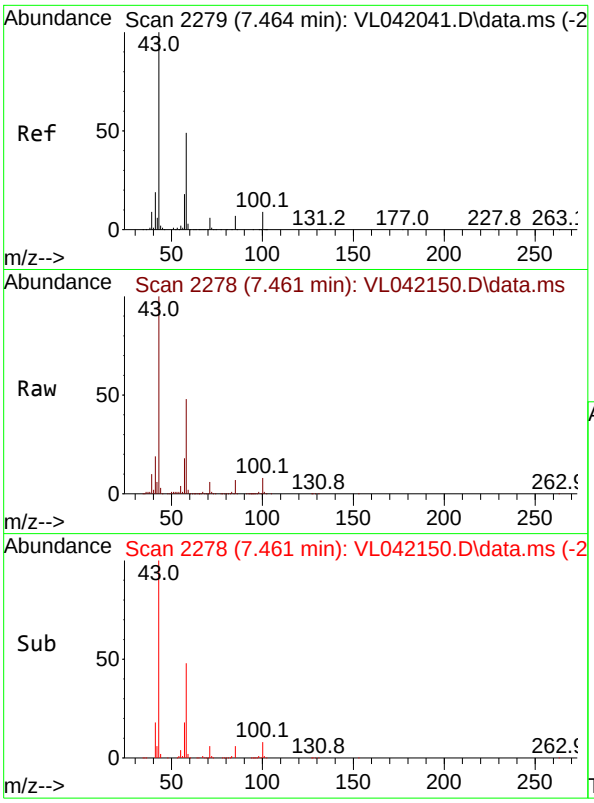


#50
4-Methyl-2-Pentanone
Concen: 9.370 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 373666

Ion	Ratio	Lower	Upper
43	100		
58	34.2	29.3	43.9





#51
2-Hexanone
Concen: 10.767 ppbv
RT: 7.461 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

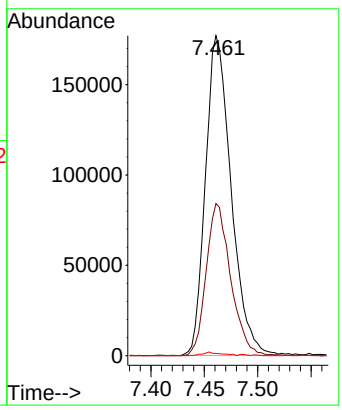
Tgt Ion: 43 Resp: 29552

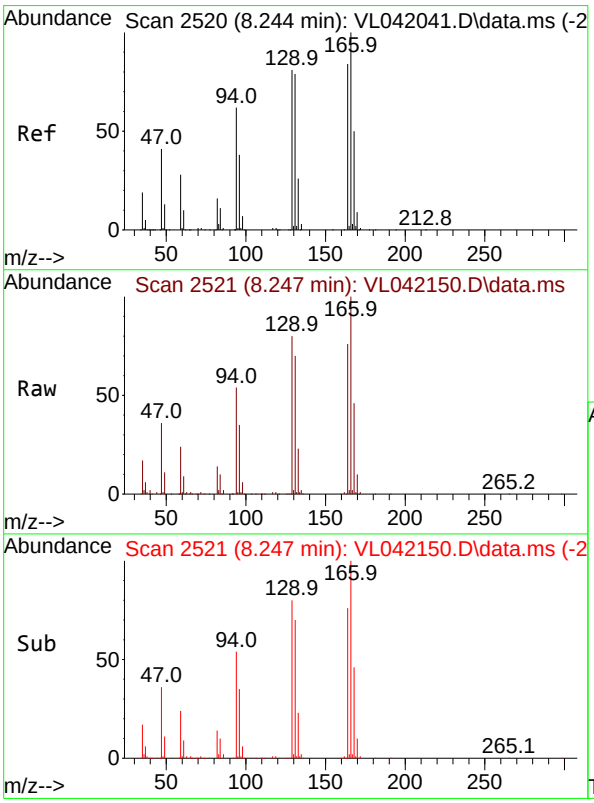
Ion	Ratio	Lower	Upper
43	100		
58	45.5	39.0	58.6
98	1.0	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

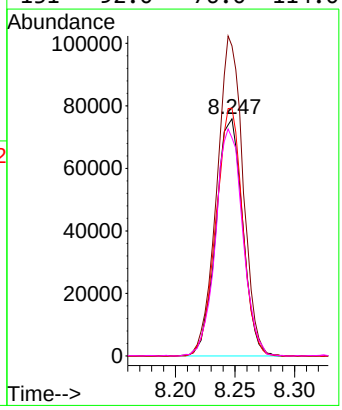


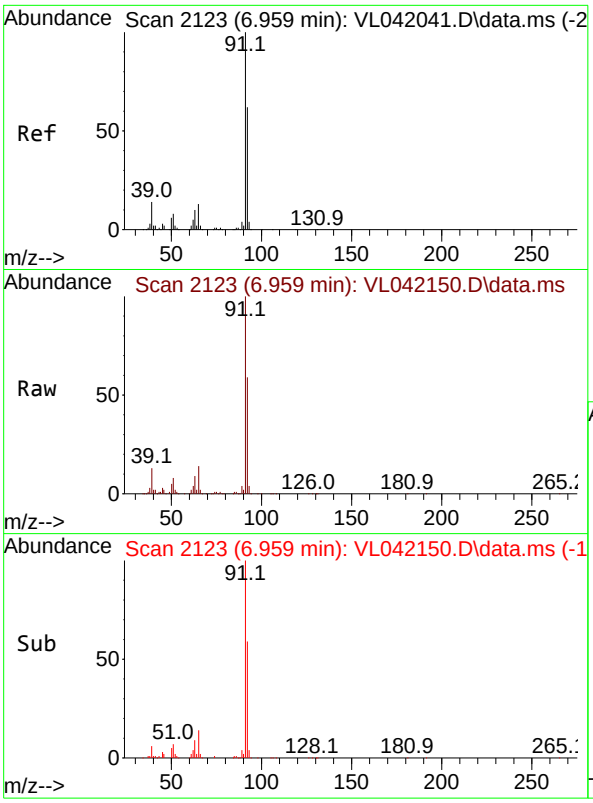


#52
Tetrachloroethene
Concen: 8.341 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:164 Resp: 118316

Ion	Ratio	Lower	Upper
164	100		
166	130.7	95.7	143.5
129	104.6	77.1	115.7
131	92.0	76.0	114.0

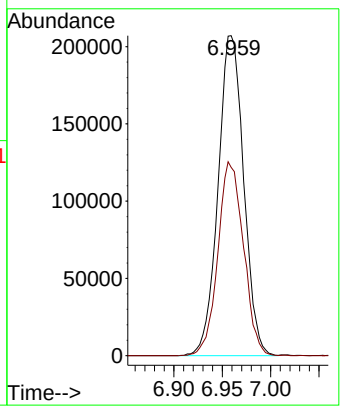




#53
Toluene
Concen: 8.235 ppbv
RT: 6.959 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 38135

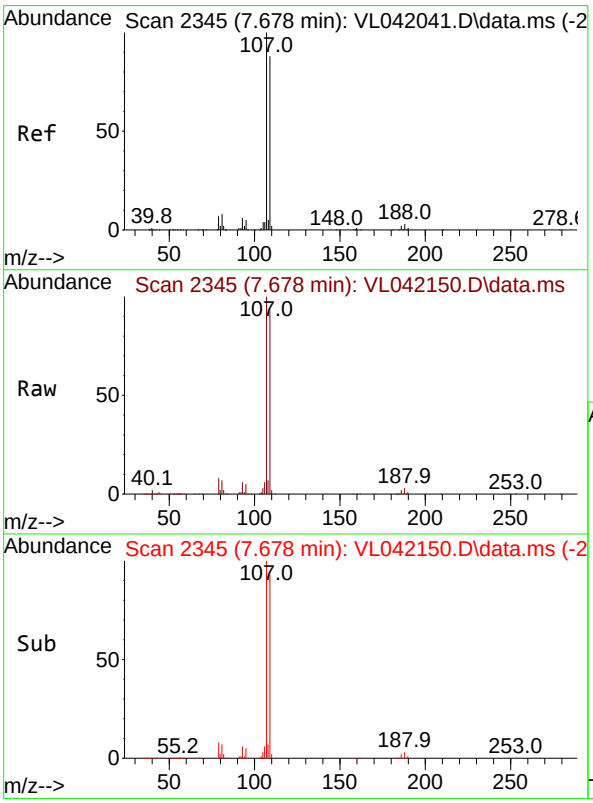
Ion	Ratio	Lower	Upper
91	100		
92	60.6	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

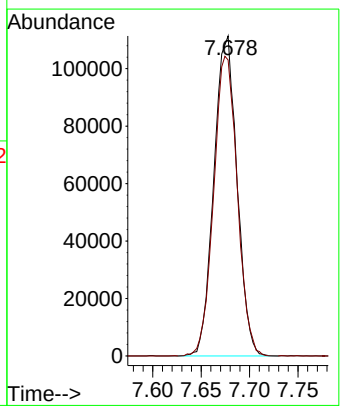
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

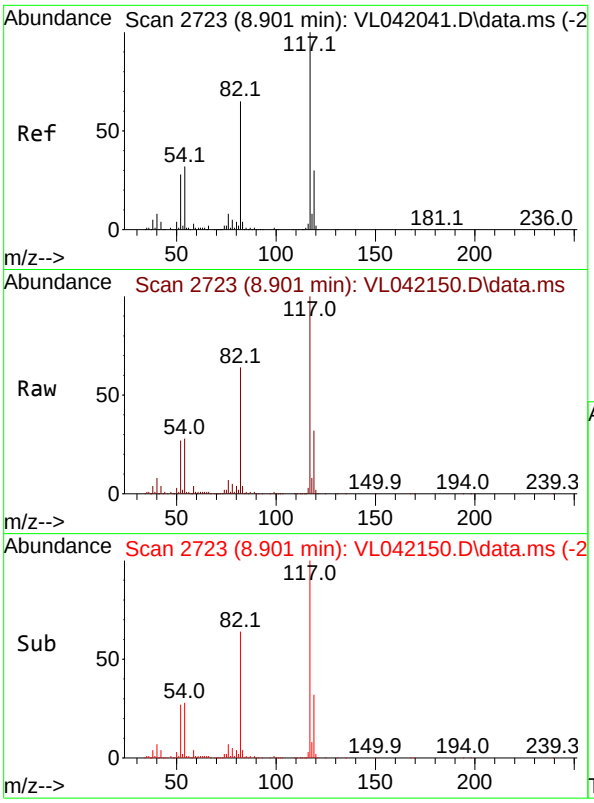


#54
1,2-Dibromoethane
Concen: 8.611 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:107 Resp: 185862

Ion	Ratio	Lower	Upper
107	100		
109	92.5	70.2	105.4

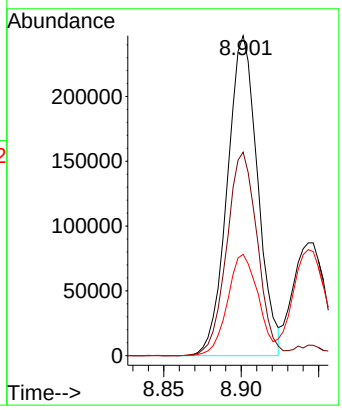




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:117 Resp: 33710

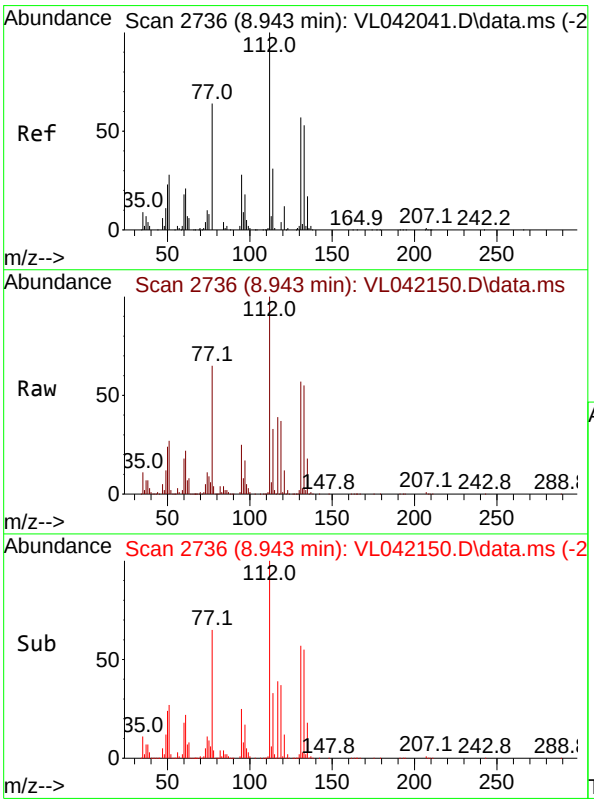
Ion	Ratio	Lower	Upper
117	100		
82	67.5	55.0	82.6
119	31.3	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

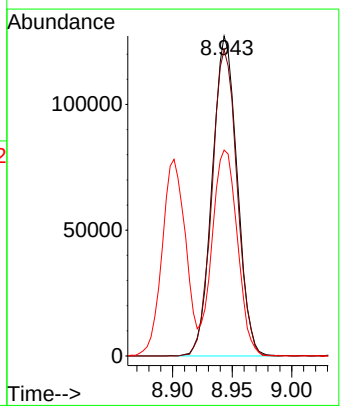
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

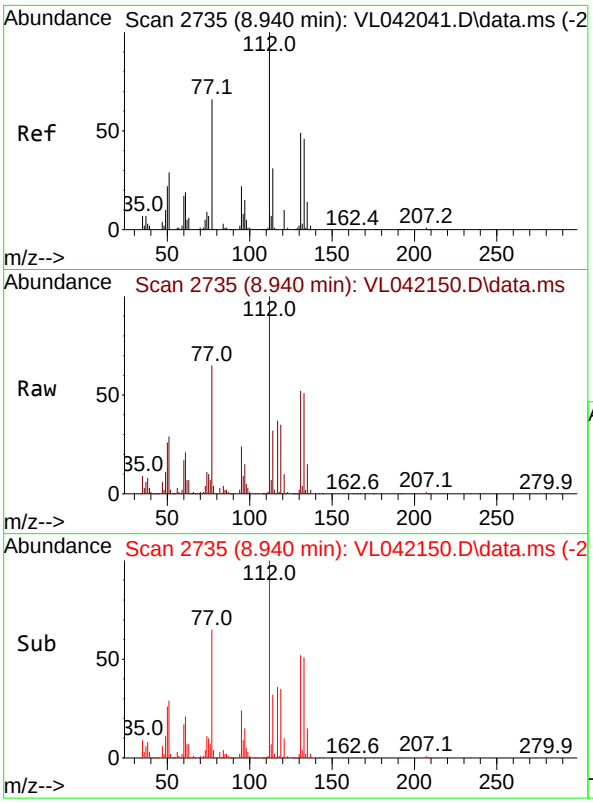


#56
1,1,1,2-Tetrachloroethane
Concen: 9.709 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:131 Resp: 184992

Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.8	113.8
119	65.5	52.1	78.1

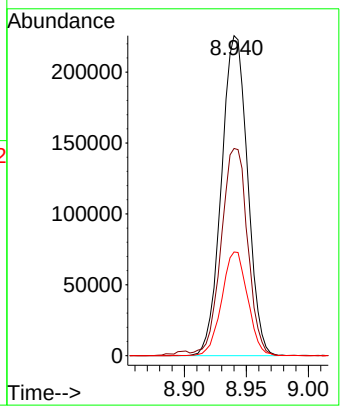




#57
Chlorobenzene
Concen: 9.485 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:112 Resp: 331509

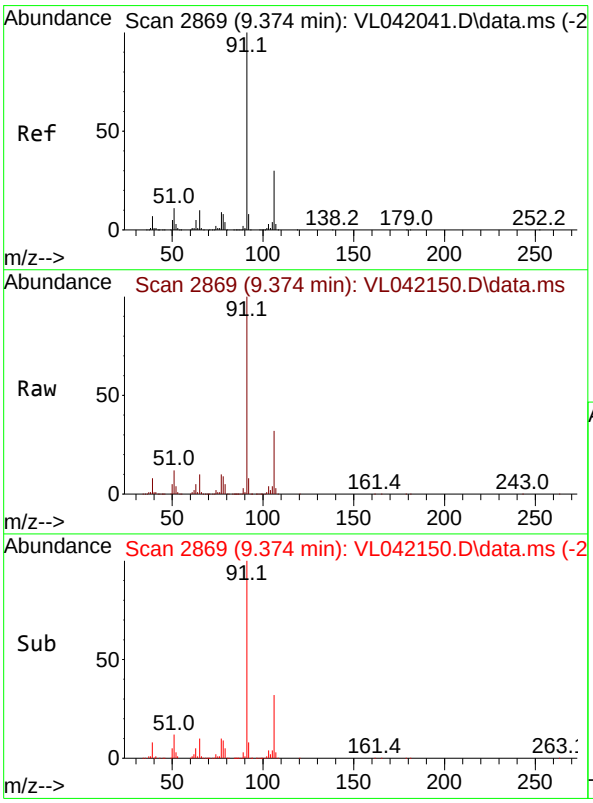
Ion	Ratio	Lower	Upper
112	100		
77	64.6	53.4	80.2
114	32.3	28.3	34.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

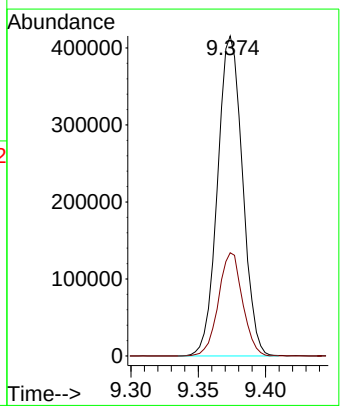
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

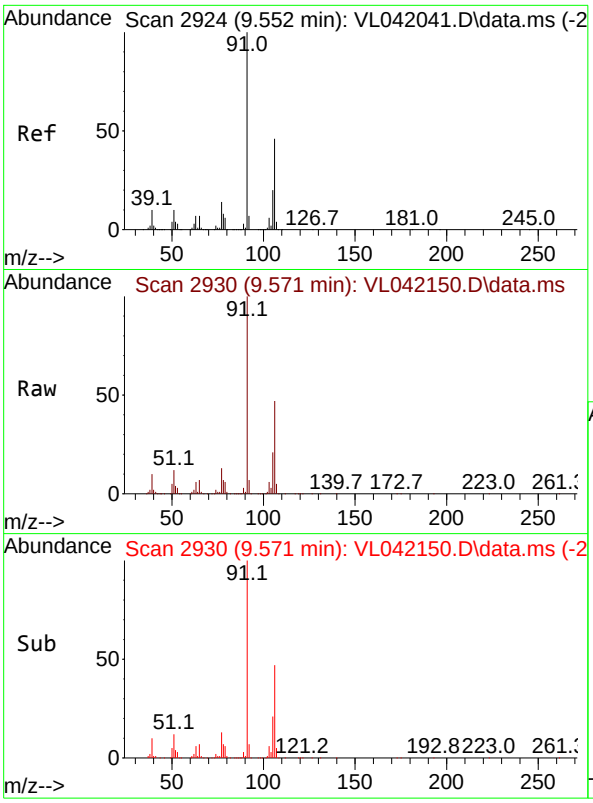


#58
Ethyl Benzene
Concen: 8.610 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 534526

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.2	36.2

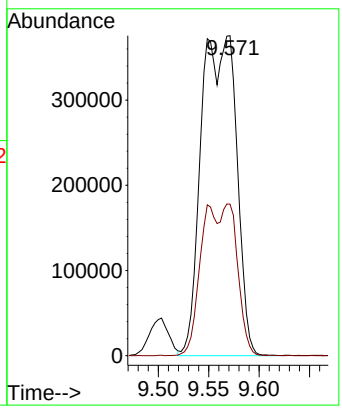




#59
m/p-Xylene
Concen: 18.581 ppbv m
RT: 9.571 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 91798

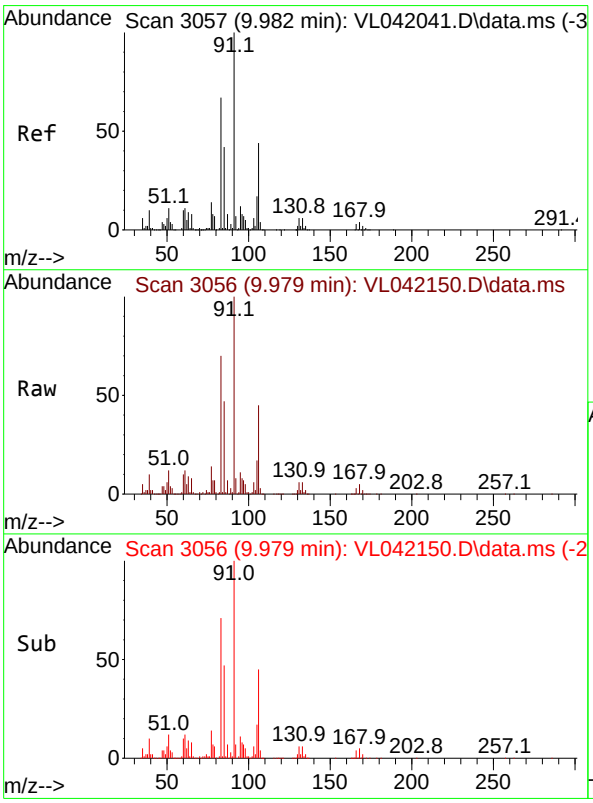
Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

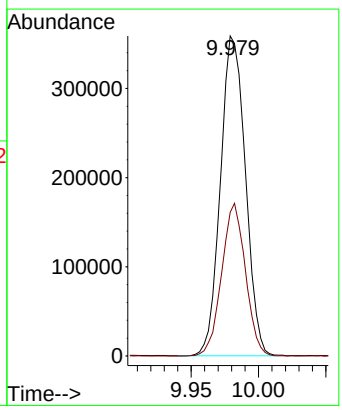
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

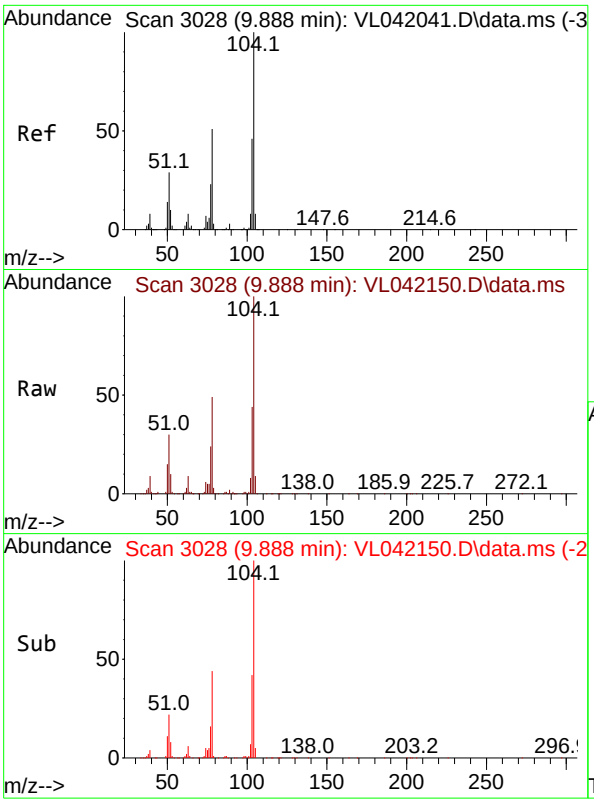


#60
o-Xylene
Concen: 9.313 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 462522

Ion	Ratio	Lower	Upper
91	100		
106	45.5	22.3	66.8

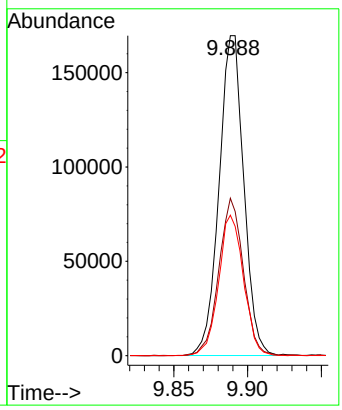




#61
Styrene
Concen: 8.473 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:104 Resp: 19785

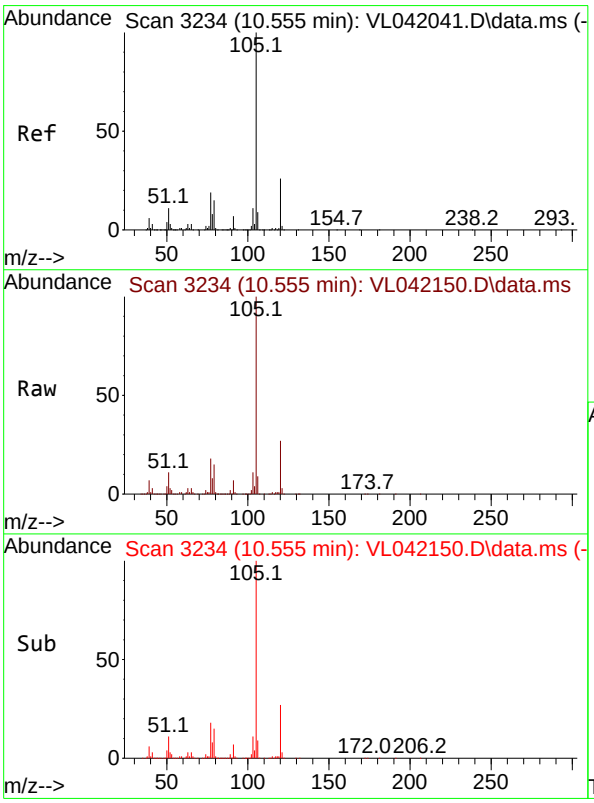
Ion	Ratio	Lower	Upper
104	100		
78	49.1	41.0	61.4
103	44.4	37.0	55.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

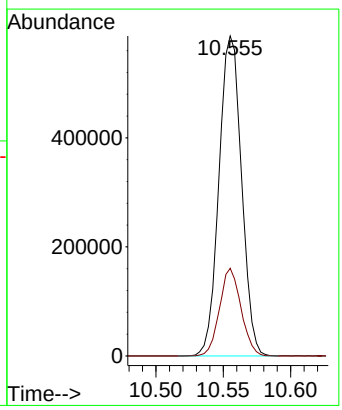
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

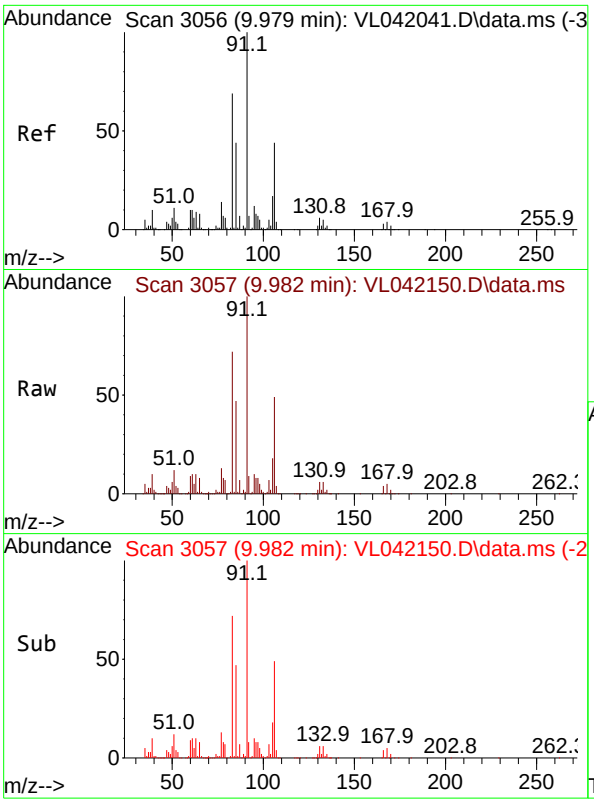


#62
Isopropylbenzene
Concen: 9.185 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 683249

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.7	31.1

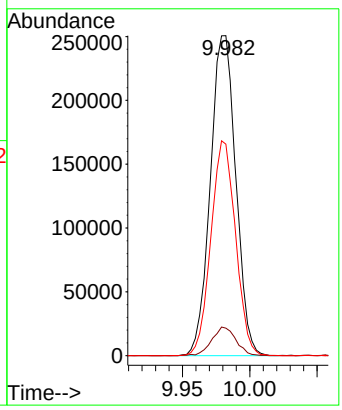




#63
1,1,2,2-Tetrachloroethane
Concen: 10.088 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 83 Resp: 32997

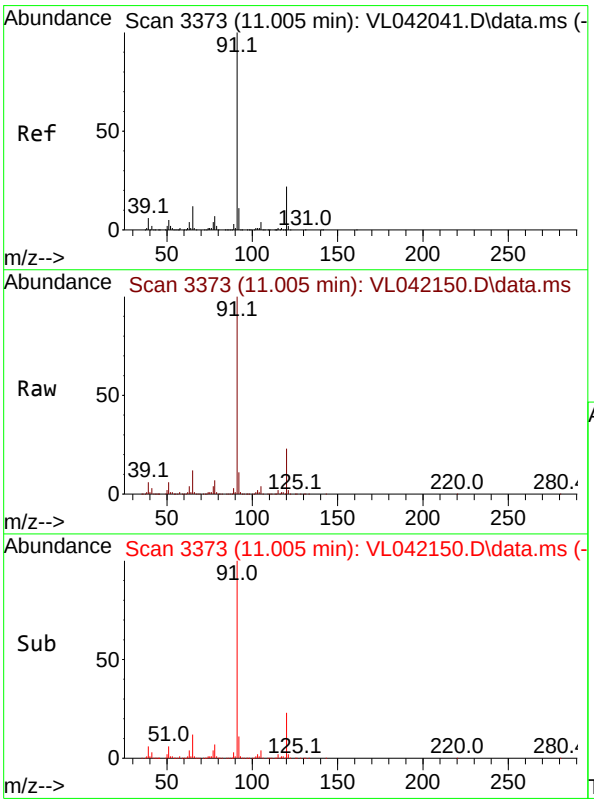
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.5	13.7
85	65.0	32.1	96.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

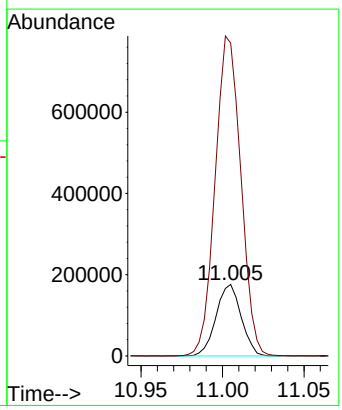
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

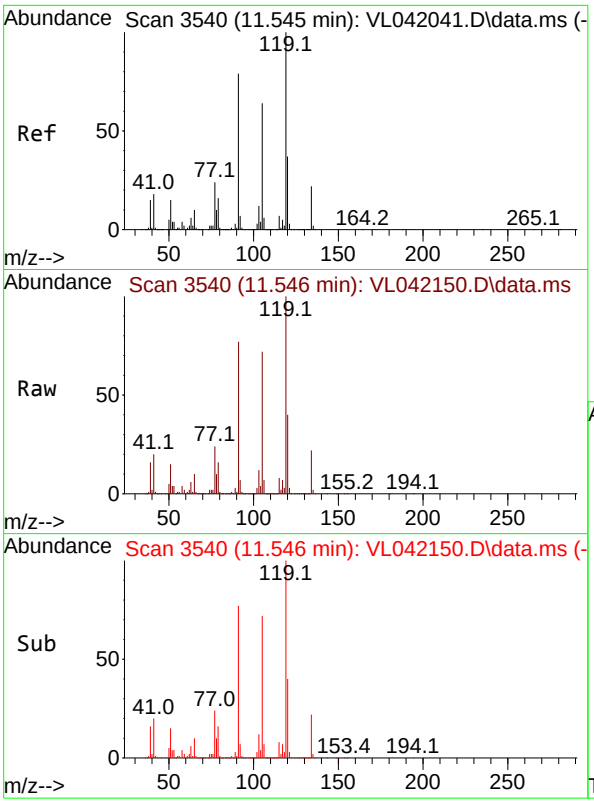


#64
n-propylbenzene
Concen: 9.671 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:120 Resp: 188690

Ion	Ratio	Lower	Upper
120	100		
91	457.3	370.6	556.0





#65
tert-Butylbenzene
Concen: 9.308 ppbv
RT: 11.546 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

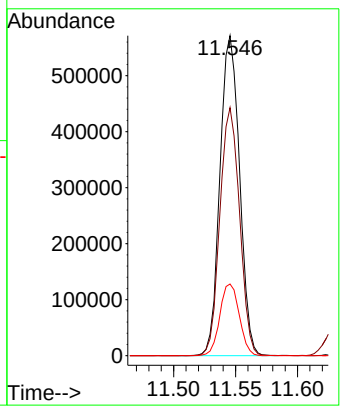
Tgt Ion:119 Resp: 63010

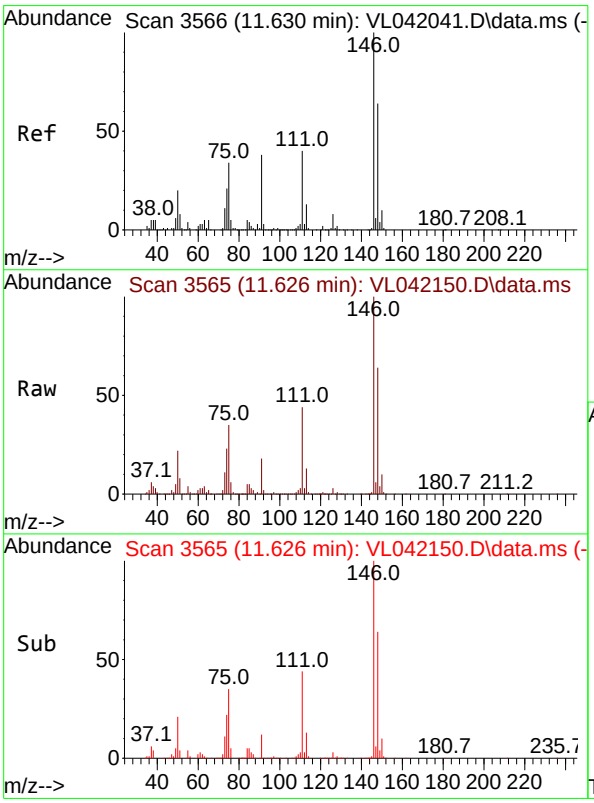
Ion	Ratio	Lower	Upper
119	100		
91	77.8	64.2	96.2
134	22.2	17.4	26.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

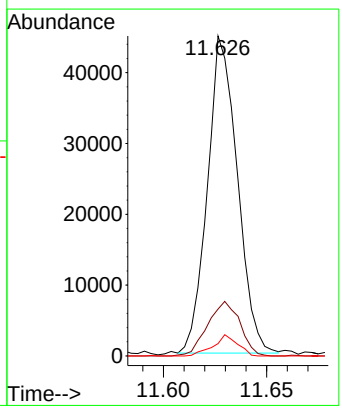


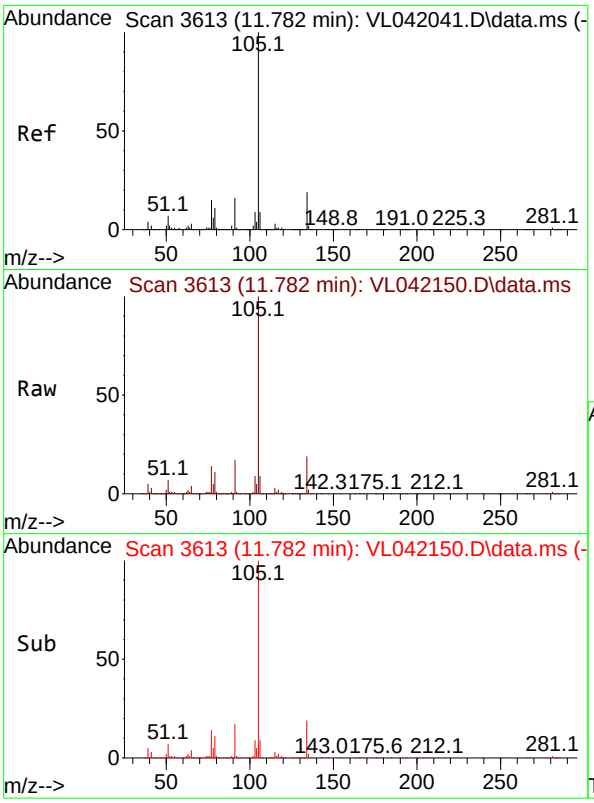


#66
Benzyl Chloride
Concen: 8.734 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 45119

Ion	Ratio	Lower	Upper
91	100		
126	18.7	14.5	21.7
128	5.4	5.4	8.2#





#67
sec-Butylbenzene
Concen: 9.410 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

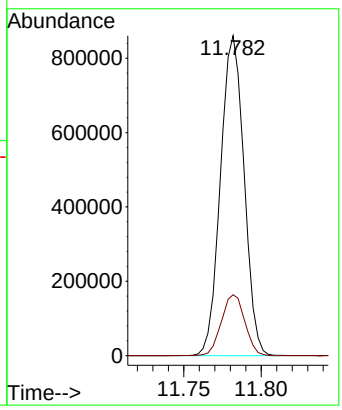
Tgt Ion:105 Resp: 91101

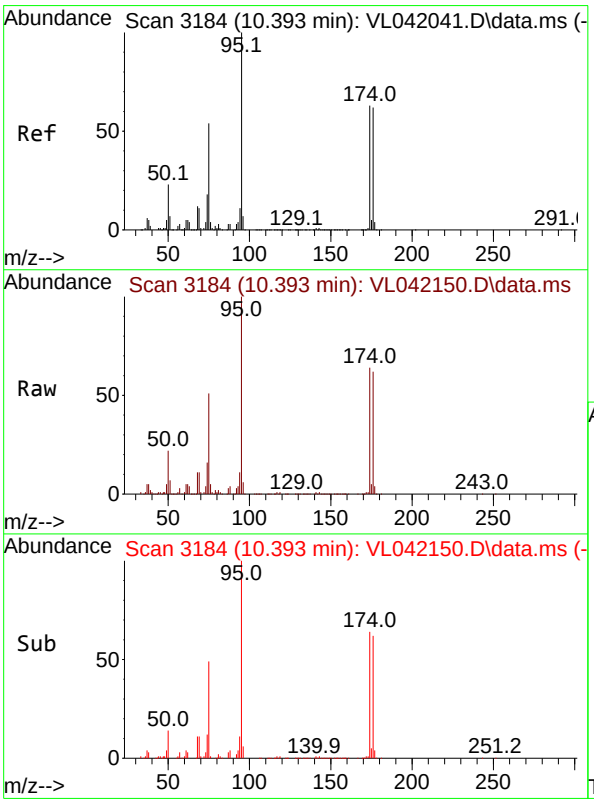
Ion	Ratio	Lower	Upper
105	100		
134	19.0	14.9	22.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

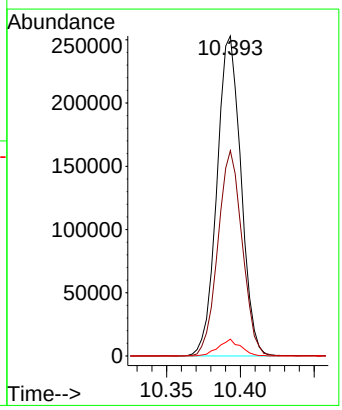


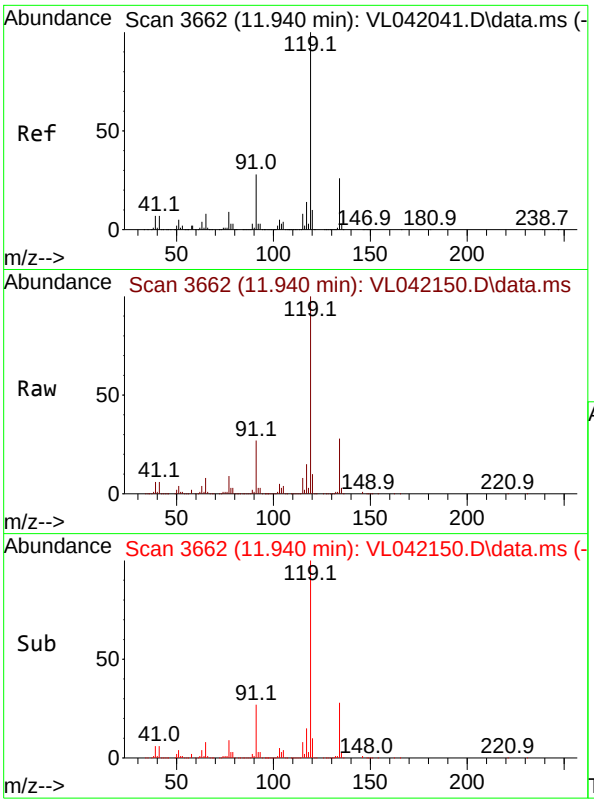


#68
1-Bromo-4-Fluorobenzene
Concen: 11.060 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 95 Resp: 286841

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.8	77.6
175	4.8	3.9	5.9





#69
p-Isopropyltoluene
Concen: 9.476 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

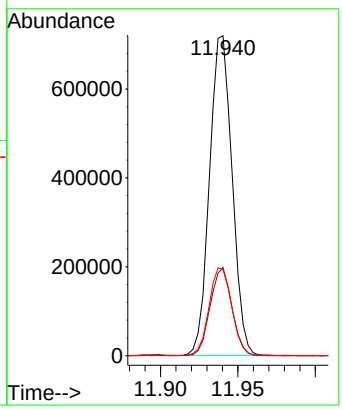
Tgt Ion:119 Resp: 72986

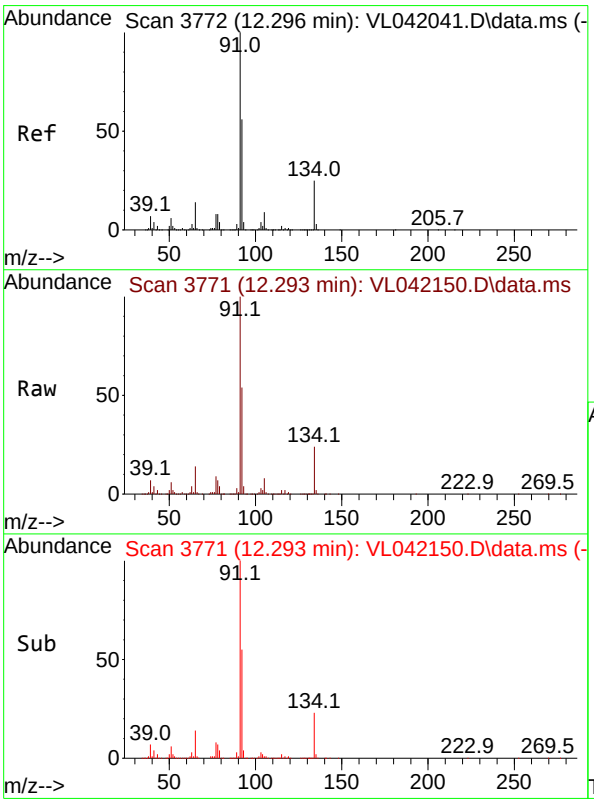
Ion	Ratio	Lower	Upper
119	100		
134	26.5	20.9	31.3
91	27.8	23.1	34.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

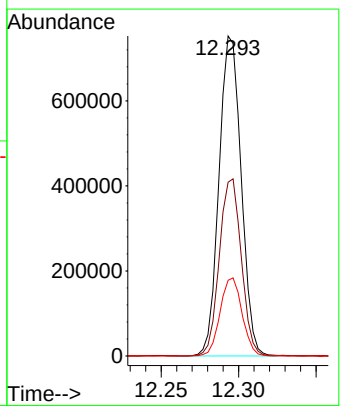


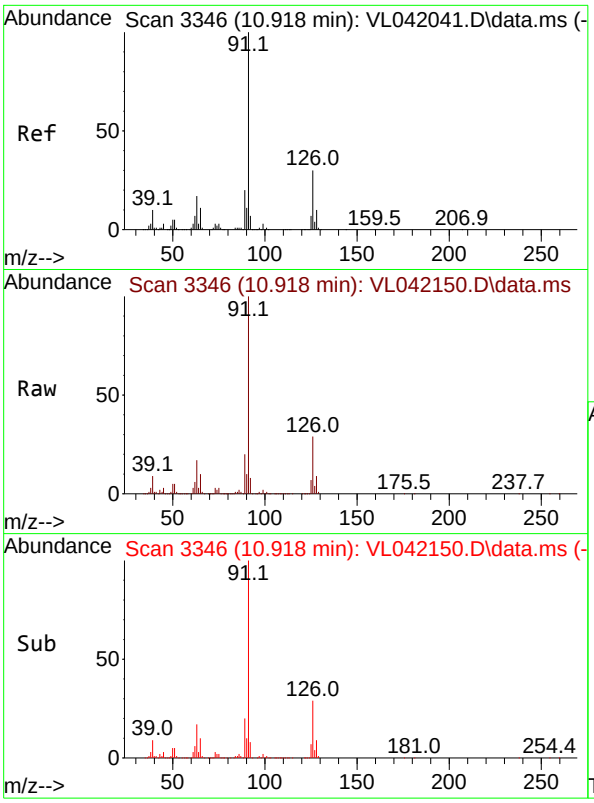


#70
n-Butylbenzene
Concen: 9.531 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 749368

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.7	67.1
134	24.2	18.9	28.3

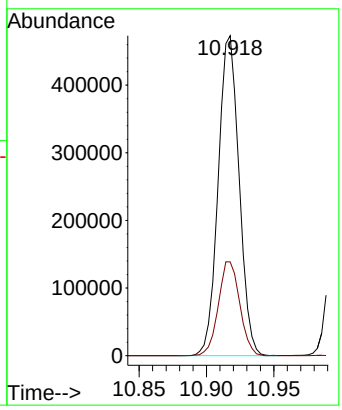




#71
2-Chlorotoluene
Concen: 8.901 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 51037

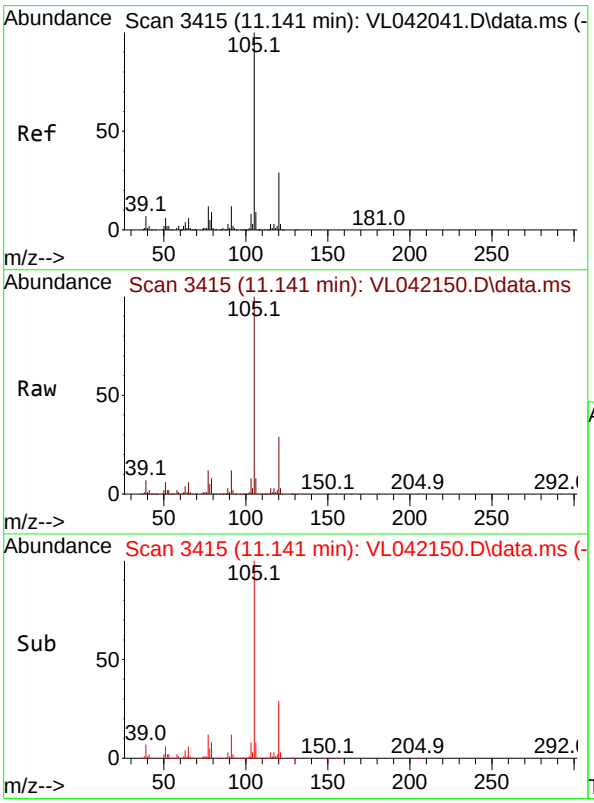
Ion	Ratio	Lower	Upper
91	100		
126	30.0	11.9	47.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

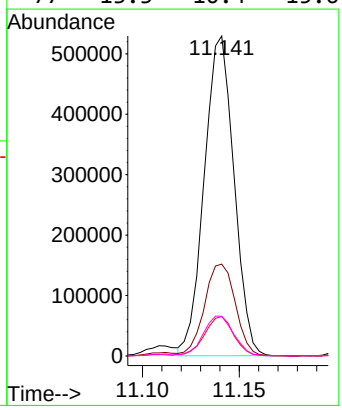
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

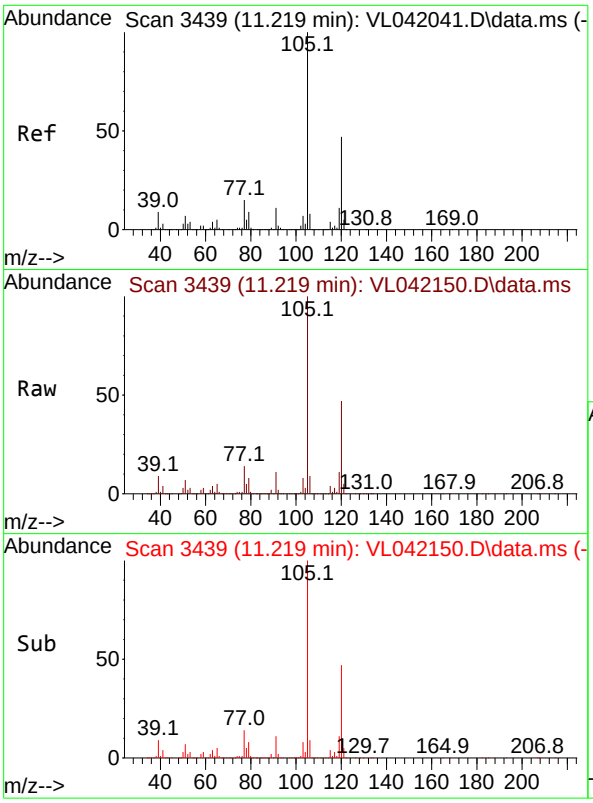


#72
4-Ethyltoluene
Concen: 9.321 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 565254

Ion	Ratio	Lower	Upper
105	100		
120	30.9	24.1	36.1
91	12.6	10.2	15.4
77	13.3	10.4	15.6

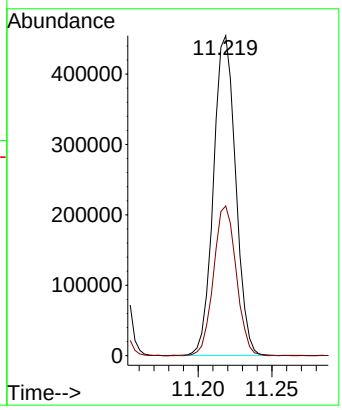




#73
1,3,5-Trimethylbenzene
Concen: 9.043 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 47566

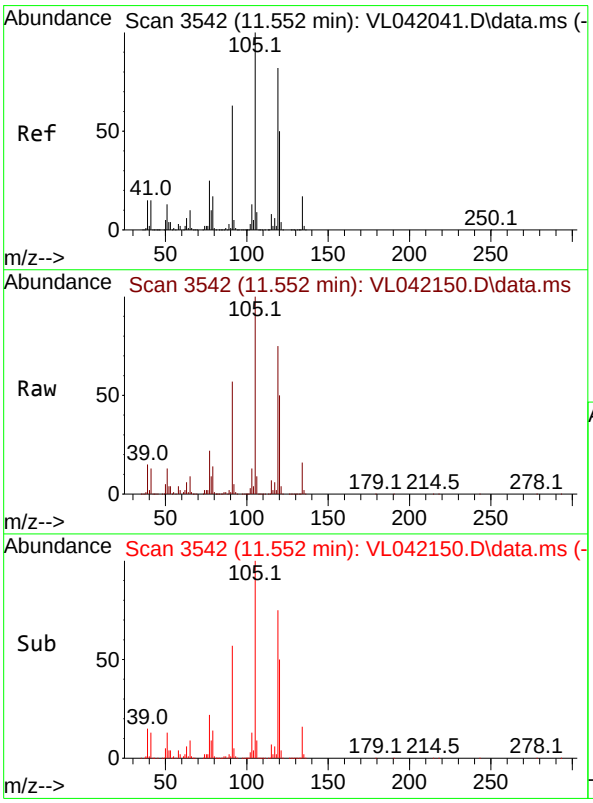
Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

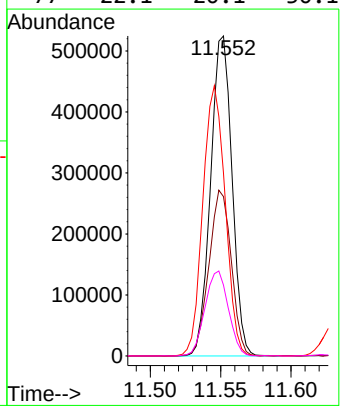
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

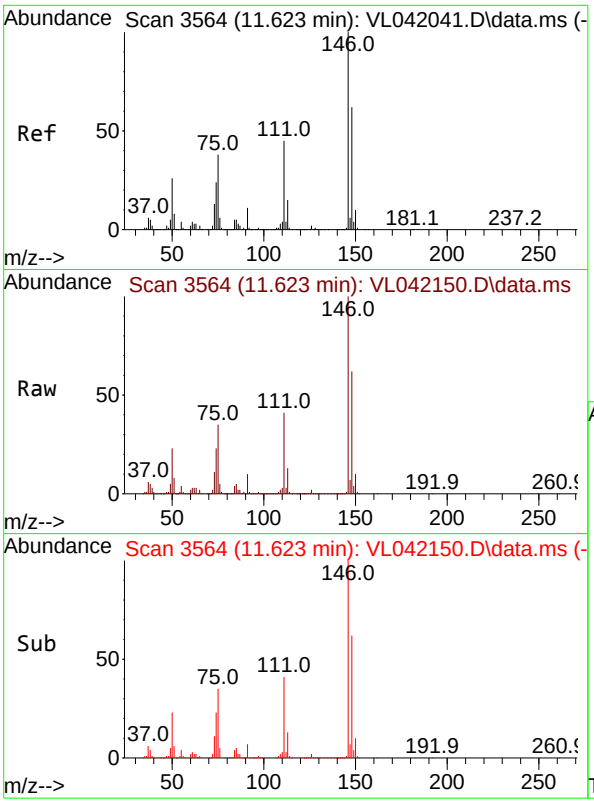


#74
1,2,4-Trimethylbenzene
Concen: 9.378 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 555462

Ion	Ratio	Lower	Upper
105	100		
120	49.7	40.2	60.2
91	57.0	51.4	77.2
77	22.1	20.1	30.1

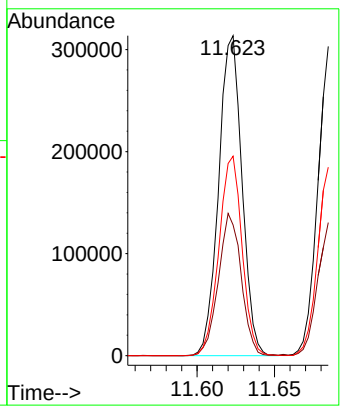




#75
1,3-Dichlorobenzene
Concen: 9.640 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:146 Resp: 32862

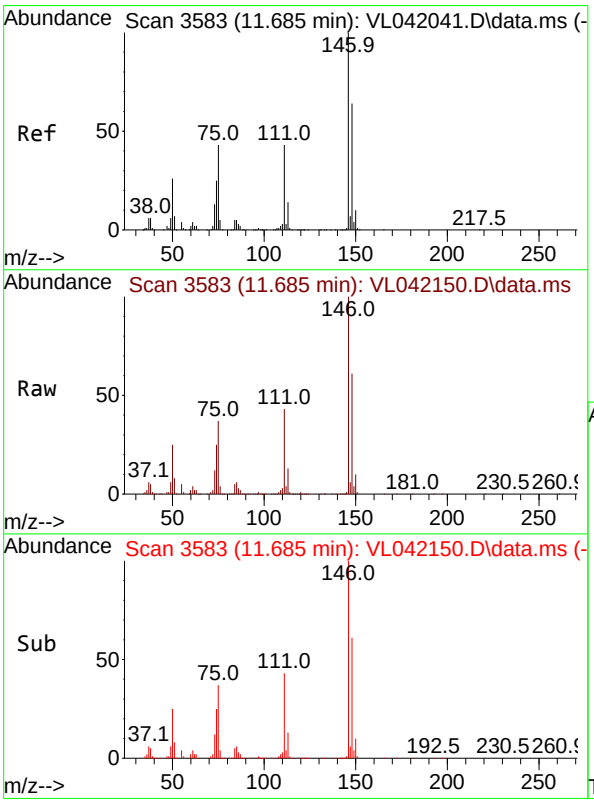
Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.4	67.2
148	62.0	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

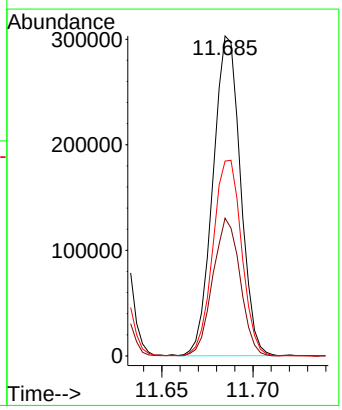
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

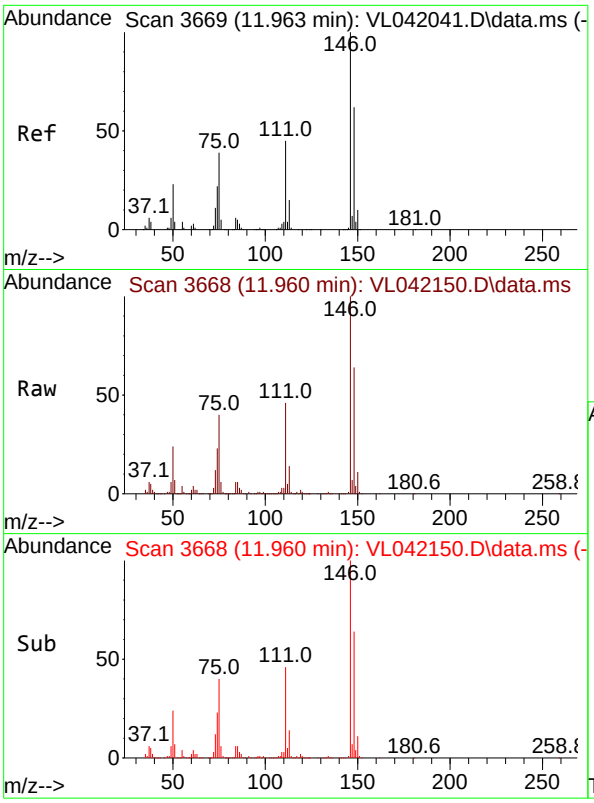


#76
1,4-Dichlorobenzene
Concen: 9.389 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:146 Resp: 317775

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	64.1	31.6	95.0

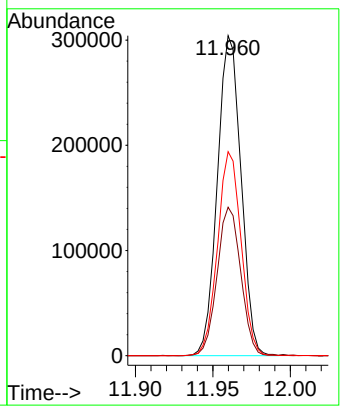




#77
1,2-Dichlorobenzene
Concen: 9.758 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:146 Resp: 32280

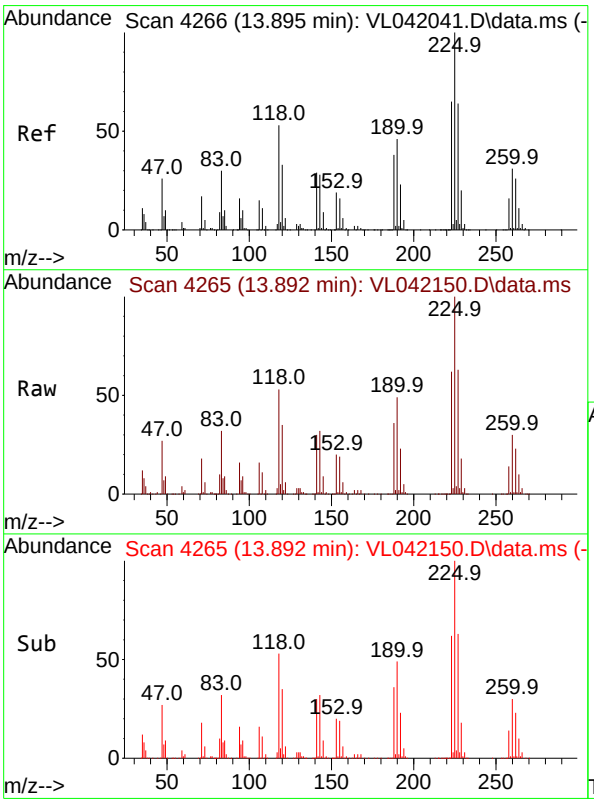
Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.2	69.6
148	63.4	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

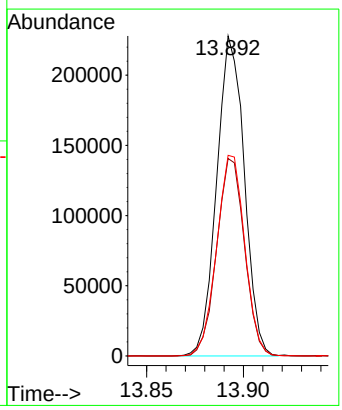
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

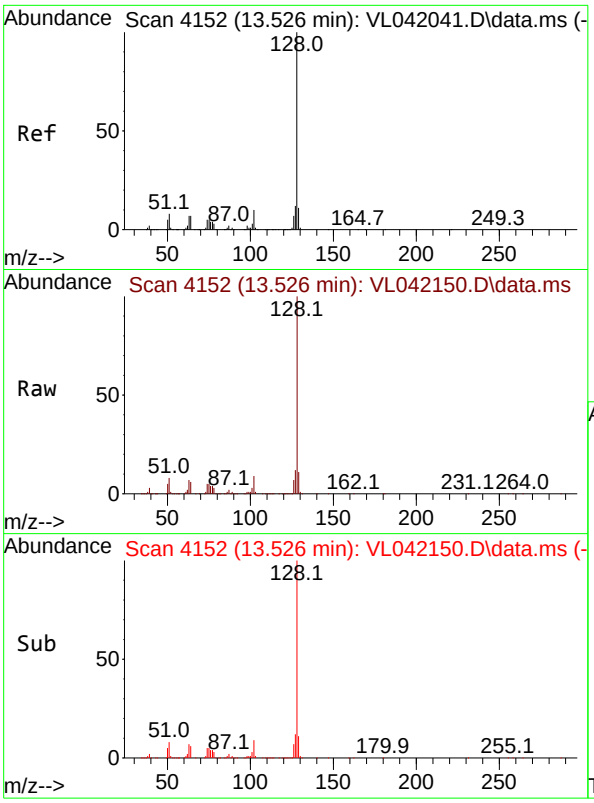


#78
Hexachloro-1,3-Butadiene
Concen: 8.772 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:225 Resp: 225792

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	63.9	50.8	76.2

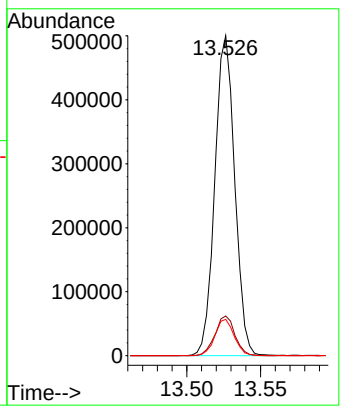




#79
Naphthalene
Concen: 11.545 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:128 Resp: 46888

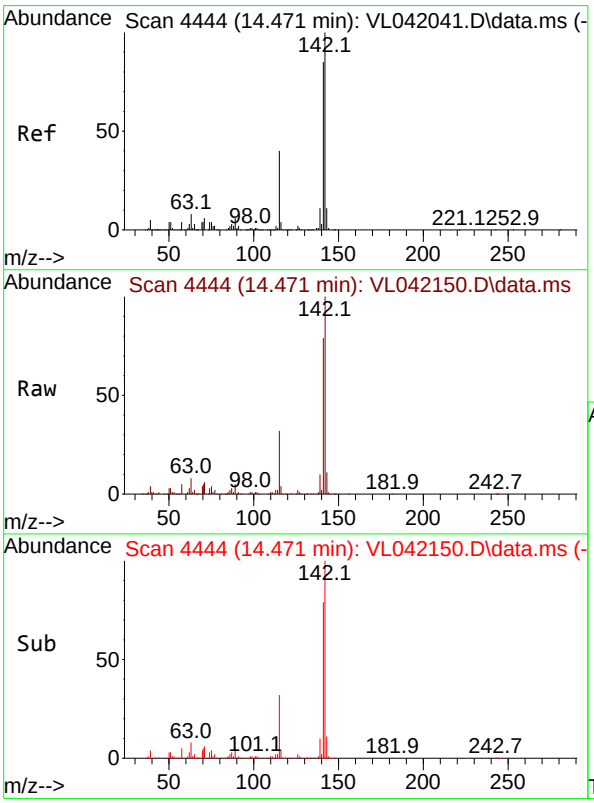
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	11.3	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

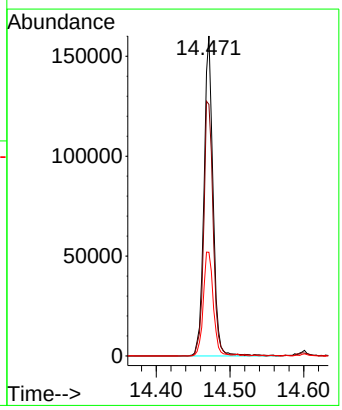
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

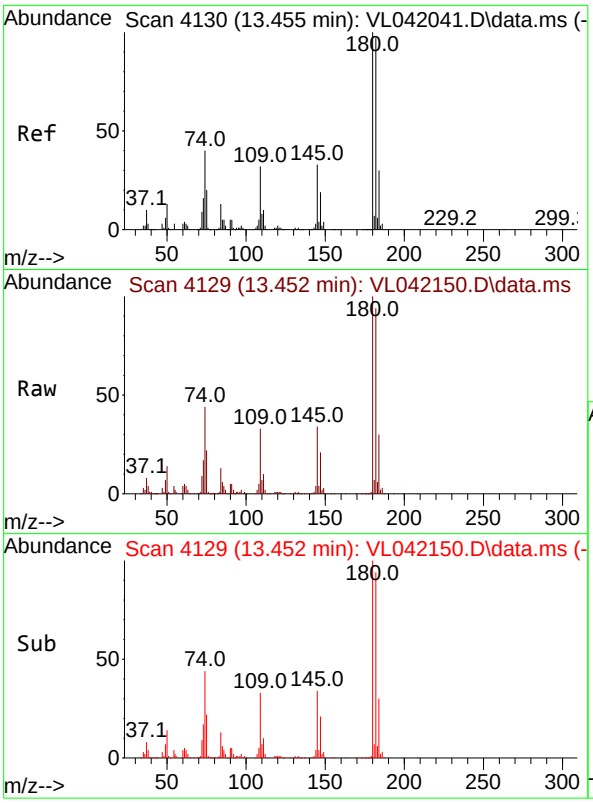


#80
Naphthalene,2-methyl-
Concen: 12.224 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:142 Resp: 135870

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.6
115	36.3	29.5	44.3

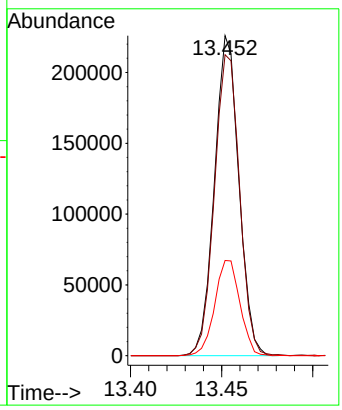




#81
1,2,4-Trichlorobenzene
Concen: 9.305 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:180 Resp: 21061

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.1	112.7
184	30.7	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 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	104	0.00
2	T	Dichlorodifluoromethane	1.040	1.104	-6.2	122	0.00
3		Chlorodifluoromethane	1.453	1.316	9.4	104	0.00
4		Chloromethane	0.385	0.433	-12.5	131	0.00
5	T	Vinyl Chloride	0.364	0.409	-12.4	126	0.00
6	T	Bromomethane	0.173	0.195	-12.7	126	0.00
7		Chloroethane	0.148	0.159	-7.4	123	0.00
8	T	Dichlorotetrafluoroethane	0.855	0.953	-11.5	127	0.00
9	T	Propene	0.592	0.521	12.0	104	0.00
10	T	Heptane	1.844	1.498	18.8	94	0.00
11	T	Trichlorofluoromethane	1.042	1.203	-15.5	132	0.00
12	T	1,1,2-Trichlorotrifluoroeth	0.831	0.856	-3.0	128	0.00
13		Ethanol	0.038	0.041#	-7.9	214#	0.00
14	T	Bromoethene	0.293	0.318	-8.5	125	0.00
15	T	Acetone	0.883	0.922	-4.4	134	0.00
16	T	1,3-Butadiene	0.411	0.437	-6.3	127	0.00
17		tert-Butyl alcohol	1.105	1.010	8.6	111	0.00
18	T	1,1-Dichloroethene	0.376	0.388	-3.2	126	0.00
19	T	Isopropyl Alcohol	0.507	0.509	-0.4	126	0.00
20	T	Methylene Chloride	0.334	0.398	-19.2	159#	0.00
21	T	Allyl Chloride	0.638	0.628	1.6	121	0.00
22	T	trans-1,2-Dichloroethene	0.438	0.423	3.4	123	0.00
23	T	Vinyl Acetate	0.621	0.509	18.0	102	0.00
24	T	1,1-Dichloroethane	0.815	0.857	-5.2	133	0.00
25	T	Ethyl Acetate	3.535	3.120	11.7	102	0.00
26	T	Hexane	1.429	1.284	10.1	104	0.00
27	T	Carbon Disulfide	0.969	1.008	-4.0	122	0.00
28	T	Methyl tert-Butyl Ether	0.711	0.635	10.7	126	0.00
29	T	Chloroform	1.923	1.681	12.6	102	0.00
30	T	Cyclohexane	1.160	0.925	20.3	89	0.00
31	T	cis-1,2-Dichloroethene	1.353	1.048	22.5	88	0.00
32	T	1,1,1-Trichloroethane	1.866	1.524	18.3	89	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
34	T	2-Butanone	0.779	0.708	9.1	96	0.00
35	T	Carbon Tetrachloride	0.690	0.677	1.9	97	0.00
36	T	Benzene	1.047	0.936	10.6	90	0.00
37	T	1,2-Dichloroethane	0.580	0.528	9.0	95	0.00
38	T	Trichloroethene	0.427	0.353	17.3	87	0.00
39	T	1,2-Dichloropropane	0.397	0.353	11.1	93	0.00
40	T	1,4-Dioxane	0.181	0.163	9.9	93	0.00
41	T	Tetrahydrofuran	0.460	0.400	13.0	89	0.00
42	T	Bromodichloromethane	0.782	0.708	9.5	90	0.00
43		Methyl Methacrylate	0.409	0.330	19.3	79	0.00
44	T	2,2,4-Trimethylpentane	1.848	1.697	8.2	95	0.00
45	T	t-1,3-Dichloropropene	0.406	0.291	28.3	69	0.00
46	T	cis-1,3-Dichloropropene	0.526	0.418	20.5	76	0.00
47	T	1,1,2-Trichloroethane	0.403	0.367	8.9	95	0.00
48	T	Dibromochloromethane	0.632	0.567	10.3	89	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 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	0.506	7.8	90	0.00
50	T	4-Methyl-2-Pentanone	1.008	0.944	6.3	87	0.00
51	T	2-Hexanone	0.693	0.747	-7.8	84	0.00
52	T	Tetrachloroethene	0.358	0.299	16.5	86	0.00
53	T	Toluene	1.170	0.964	17.6	83	0.00
54	T	1,2-Dibromoethane	0.545	0.470	13.8	88	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.565	0.549	2.8	98	0.00
57	T	Chlorobenzene	1.037	0.983	5.2	97	0.00
58	T	Ethyl Benzene	1.842	1.586	13.9	84	0.00
59	T	m/p-Xylene	1.466	1.362	7.1	92	0.02
60	T	o-Xylene	1.473	1.372	6.9	94	0.00
61	T	Styrene	0.693	0.587	15.3	80	0.00
62		Isopropylbenzene	2.207	2.027	8.2	93	0.00
63	T	1,1,2,2-Tetrachloroethane	0.970	0.979	-0.9	104	0.00
64		n-propylbenzene	0.579	0.560	3.3	96	0.00
65		tert-Butylbenzene	2.008	1.869	6.9	97	0.00
66	T	Benzyl Chloride	0.153	0.134	12.4	79	0.00
67		sec-Butylbenzene	2.872	2.702	5.9	98	0.00
68	S	1-Bromo-4-Fluorobenzene	0.769	0.851	-10.7	100	0.00
69		p-Isopropyltoluene	2.285	2.165	5.3	97	0.00
70		n-Butylbenzene	2.332	2.223	4.7	97	0.00
71		2-Chlorotoluene	1.701	1.514	11.0	90	0.00
72	T	4-Ethyltoluene	1.799	1.677	6.8	93	0.00
73	T	1,3,5-Trimethylbenzene	1.560	1.411	9.6	92	0.00
74	T	1,2,4-Trimethylbenzene	1.757	1.648	6.2	101	0.00
75	T	1,3-Dichlorobenzene	1.011	0.975	3.6	101	0.00
76	T	1,4-Dichlorobenzene	1.004	0.943	6.1	99	0.00
77	T	1,2-Dichlorobenzene	0.981	0.958	2.3	103	0.00
78	T	Hexachloro-1,3-Butadiene	0.764	0.670	12.3	95	0.00
79	T	Naphthalene	1.205	1.391	-15.4	91	0.00
80	T	Naphthalene,2-methyl-	0.330	0.403	-22.1	65	0.00
81	T	1,2,4-Trichlorobenzene	0.671	0.625	6.9	87	0.00

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

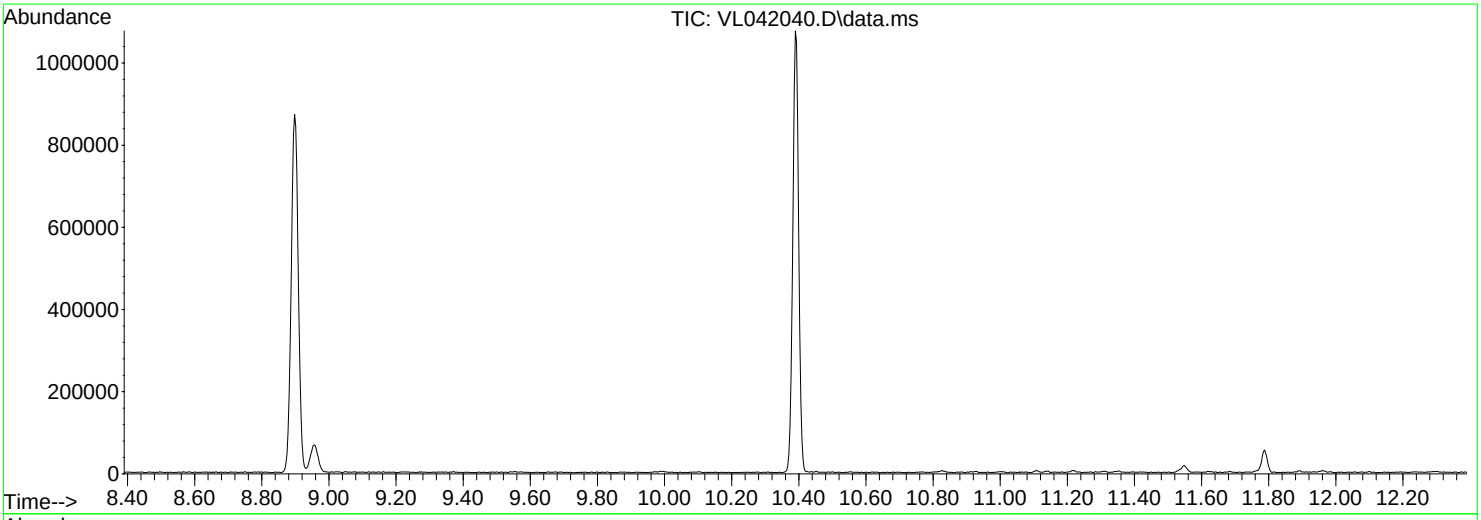
QC SAMPLE DATA

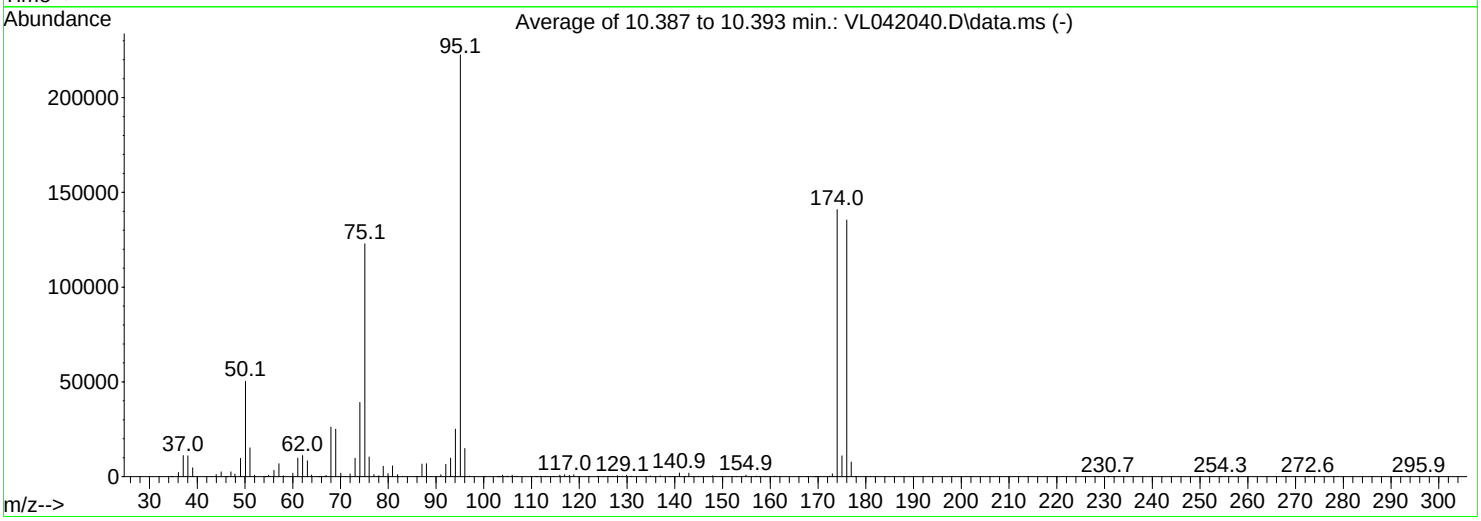
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042040.D
Acq On : 25 Feb 2025 07:56
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Feb 26 01:08:36 2025





AutoFind: Scans 3182, 3183, 3184; Background Corrected with Scan 3168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.6	50320	PASS
75	95	30	66	55.2	122859	PASS
95	95	100	100	100.0	222571	PASS
96	95	5	9	6.7	14875	PASS
173	174	0.00	2	1.1	1534	PASS
174	95	50	120	63.3	140957	PASS
175	174	4	9	7.8	11014	PASS
176	174	93	101	96.1	135437	PASS
177	176	5	9	5.7	7676	PASS

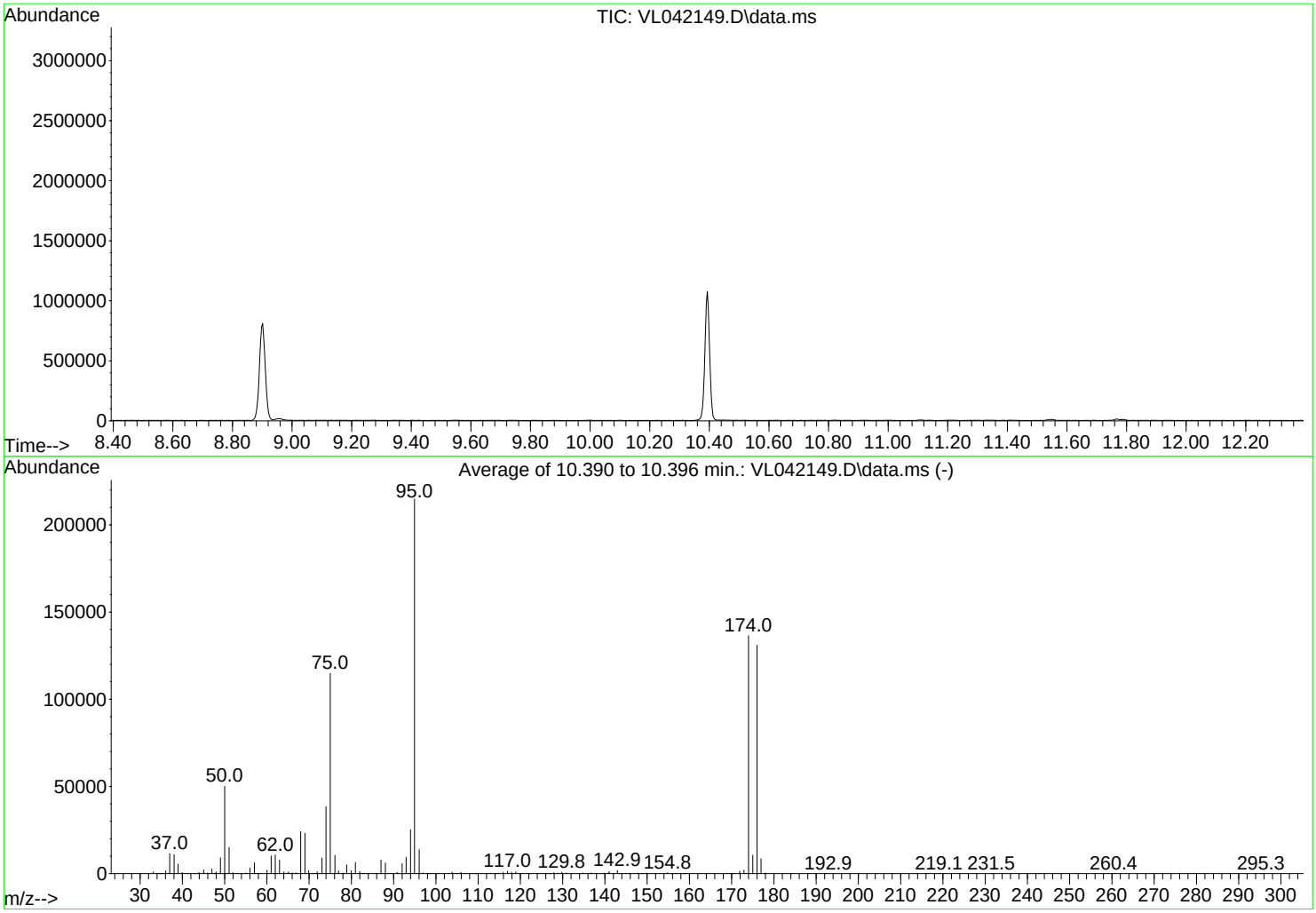
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042149.D
Acq On : 17 Mar 2025 09:09
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\VL022525AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Feb 26 01:08:36 2025



AutoFind: Scans 3183, 3184, 3185; Background Corrected with Scan 3168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.3	50096	PASS
75	95	30	66	53.5	114875	PASS
95	95	100	100	100.0	214863	PASS
96	95	5	9	6.4	13812	PASS
173	174	0.00	2	1.4	1941	PASS
174	95	50	120	63.5	136544	PASS
175	174	4	9	7.7	10561	PASS
176	174	93	101	96.0	131021	PASS
177	176	5	9	6.6	8603	PASS

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0317ABL01	SDG No.:	Q1586
Lab Sample ID:	VL0317ABL01	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
VL042151.D	1		03/17/25 10:50	VL031725

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

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:	VL0317ABL01	SDG No.:	Q1586
Lab Sample ID:	VL0317ABL01	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
VL042151.D	1		03/17/25 10:50	VL031725

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	9.80			70 (65) - 130 (135)	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	165000		2.8			
540-36-3	1,4-Difluorobenzene	385000		3.975			
3114-55-4	Chlorobenzene-d5	317000		8.901			

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:	VL0317ABL01	SDG No.:	Q1586
Lab Sample ID:	VL0317ABL01	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
VL042151.D	1		03/17/25 10:50	VL031725

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\VL031725\
Data File : VL042151.D
Acq On : 17 Mar 2025 10:50
Operator : SY/MD
Sample : VL0317ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

Quant Time: Mar 18 01:22:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

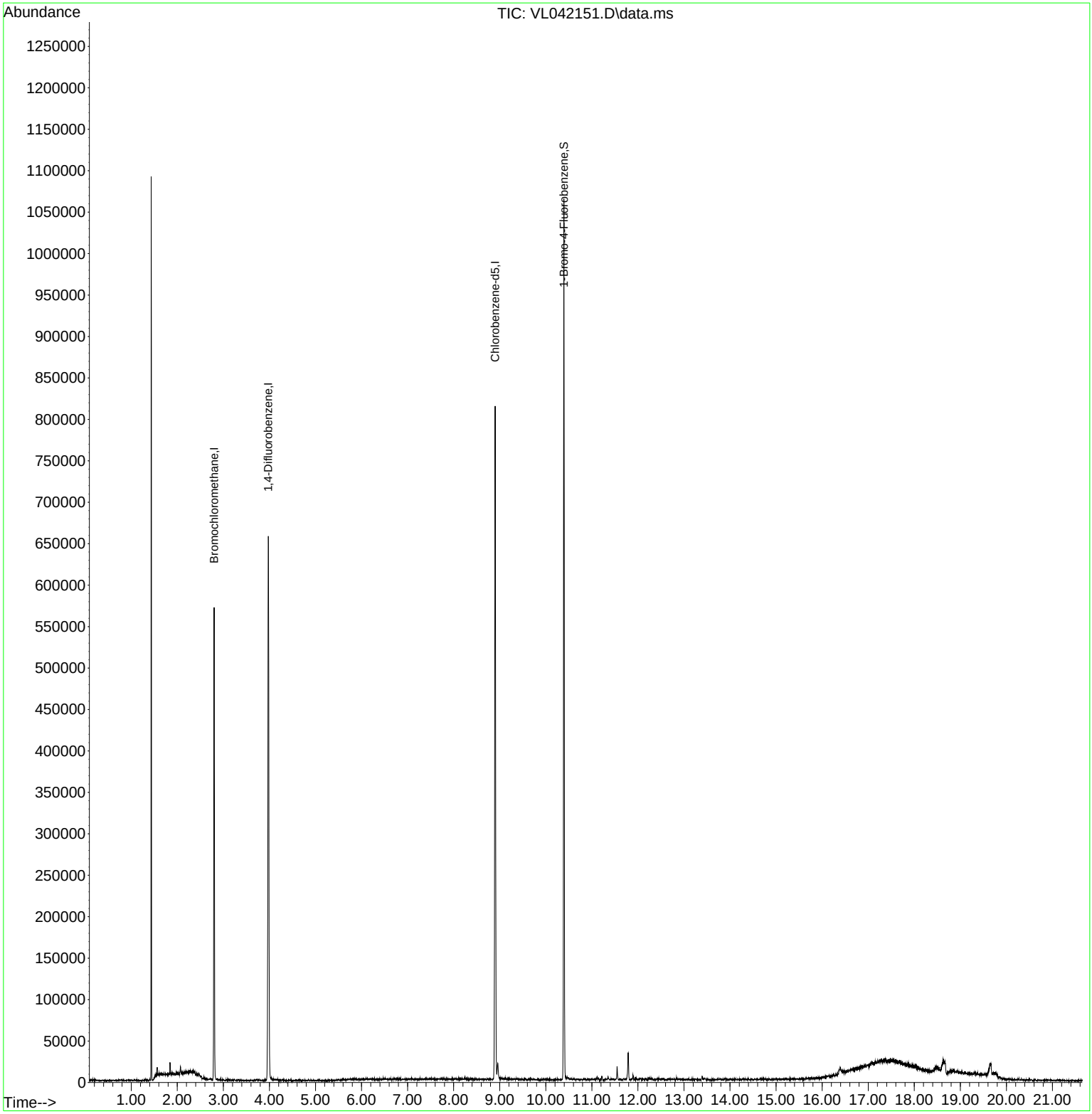
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	165240	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	385222	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	316907	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	239930	9.841	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%			
Target Compounds						Qvalue

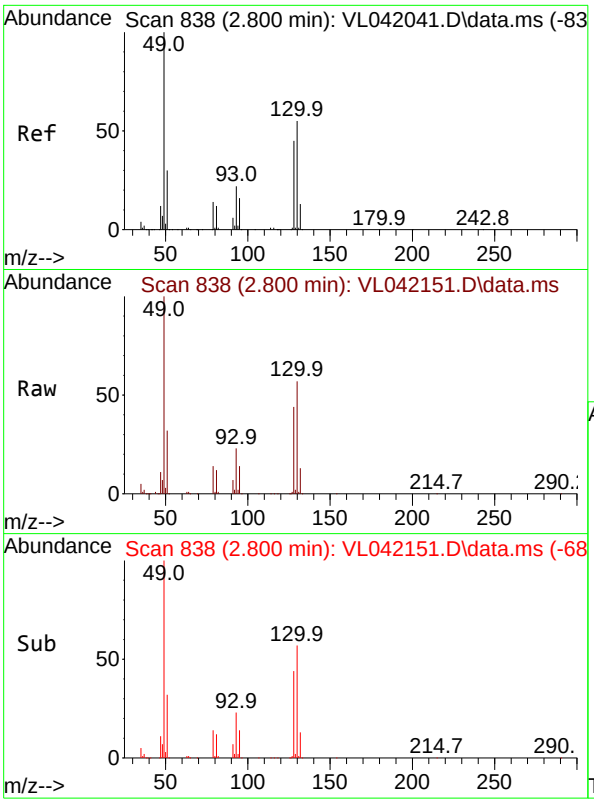
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042151.D
Acq On : 17 Mar 2025 10:50
Operator : SY/MD
Sample : VL0317ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

Quant Time: Mar 18 01:22:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



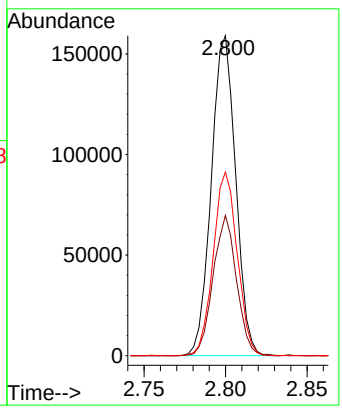


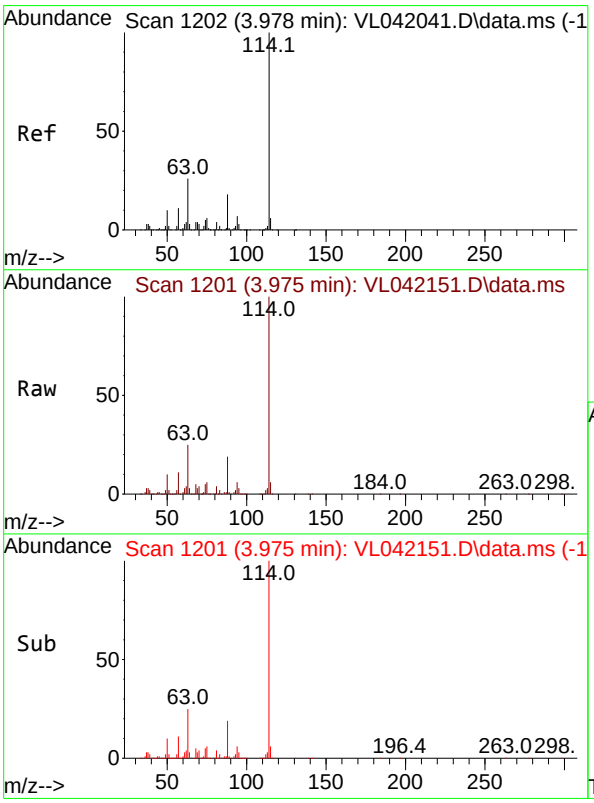
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

Tgt Ion: 49 Resp: 165240

Ion	Ratio	Lower	Upper
49	100		
128	42.1	21.6	64.8
130	56.7	27.8	83.4

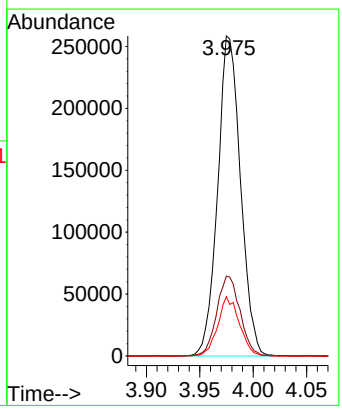


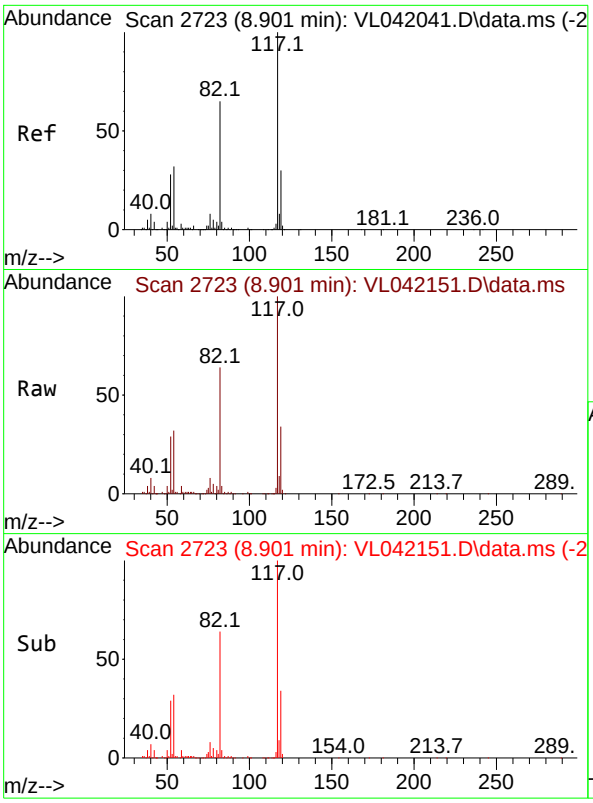


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion:114 Resp: 385222

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.1	30.1
88	17.5	14.3	21.5



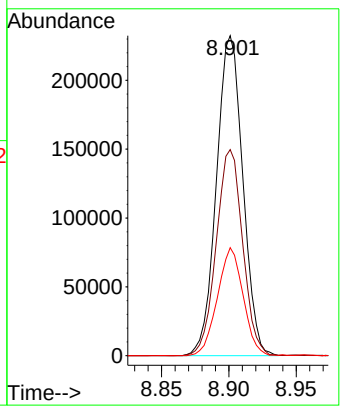


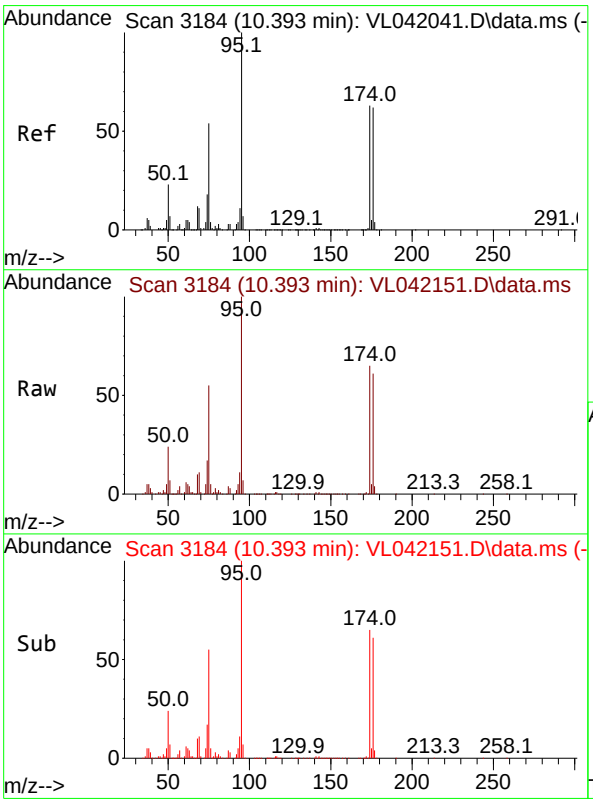
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABL01

Tgt Ion:117 Resp: 316907

Ion	Ratio	Lower	Upper
117	100		
82	64.6	55.0	82.6
119	32.9	25.9	38.9

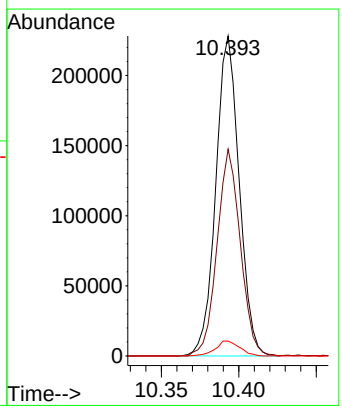




#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042151.D
Acq: 17 Mar 2025 10:50

Tgt Ion: 95 Resp: 239930

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.8	77.6
175	4.9	3.9	5.9



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:	VL0317ABS01	SDG No.:	Q1586
Lab Sample ID:	VL0317ABS01	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
VL042152.D	1		03/17/25 11:38	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.3	50.9		1.04	2.47	ug/m3
74-87-3	Chloromethane	11.0	22.7		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	11.1	28.4		0.030	0.080	ug/m3
74-83-9	Bromomethane	11.1	43.1		0.54	1.94	ug/m3
75-00-3	Chloroethane	10.7	28.2		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	8.50	25.1		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	11.0	61.8		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	10.2	78.2		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.6	74.1		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	9.10	27.6		0.58	1.52	ug/m3
142-82-5	Heptane	8.10	33.2		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	10.2	40.4		0.56	1.98	ug/m3
67-64-1	Acetone	10.3	24.5		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	10.5	32.7		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.10	29.2		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	12.4	43.1		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.60	38.1		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.0	40.5		0.53	2.02	ug/m3
110-82-7	Cyclohexane	7.90	27.2		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.00	26.5		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9.40	59.1		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	7.70	30.5		0.36	1.98	ug/m3
67-66-3	Chloroform	8.60	42.0		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	8.00	43.6		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	8.80	41.1		0.47	2.34	ug/m3
71-43-2	Benzene	8.70	27.8		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	8.70	35.2		0.36	2.02	ug/m3
79-01-6	Trichloroethene	8.10	43.5		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	8.60	39.8		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	9.00	60.3		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	9.30	38.1		0.37	2.05	ug/m3
108-88-3	Toluene	8.00	30.1		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	7.30	33.1		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	7.90	35.9		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	8.90	48.6		0.38	2.73	ug/m3

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Yellow Cab - TO-15	Date Received:	
Client Sample ID:	VL0317ABS01	SDG No.:	Q1586
Lab Sample ID:	VL0317ABS01	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
VL042152.D	1		03/17/25 11:38	VL031725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	8.80	75.0		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	8.50	65.3		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	8.30	56.3		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	9.30	42.8		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	8.50	36.9		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	18.3	79.5		0.91	4.34	ug/m3
95-47-6	o-Xylene	9.10	39.5		0.52	2.17	ug/m3
100-42-5	Styrene	8.30	35.3		0.47	2.13	ug/m3
75-25-2	Bromoform	9.20	95.1		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.90	68.0		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	8.60	44.5		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	8.90	43.8		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.20	45.2		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.20	55.3		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.20	55.3		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.40	56.5		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.20	68.3		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.50	90.7		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	10.6	23.4		0.29	1.11	ug/m3
91-20-3	Naphthalene	11.0	57.7		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	9.10	44.7		0.59	2.46	ug/m3
110-54-3	Hexane	9.10	32.1		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	10.0	31.3		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	8.50	30.6		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	8.00	32.8		0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.8			70 (65) - 130 (135)	108%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	168000	2.8				
540-36-3	1,4-Difluorobenzene	406000	3.975				
3114-55-4	Chlorobenzene-d5	339000	8.901				

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:	VL0317ABS01	SDG No.:	Q1586
Lab Sample ID:	VL0317ABS01	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
VL042152.D	1		03/17/25 11:38	VL031725

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\VL031725\
Data File : VL042152.D
Acq On : 17 Mar 2025 11:38
Operator : SY/MD
Sample : VL0317ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:22:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	168331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	405507	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	339099	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	282890	10.844	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	180681	10.322	ppbv	99
3) Chlorodifluoromethane	1.479	51	219701	8.980	ppbv	100
4) Chloromethane	1.538	50	71134	10.989	ppbv	99
5) Vinyl Chloride	1.586	62	68001	11.106	ppbv	99
6) Bromomethane	1.674	94	32244	11.059	ppbv	97
7) Chloroethane	1.709	64	26575	10.682	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	152871	10.624	ppbv	100
9) Propene	1.489	41	87265	8.756	ppbv	99
10) Heptane	5.004	43	250401	8.069	ppbv	97
11) Trichlorofluoromethane	1.884	101	193415	11.028	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	142239	10.167	ppbv	96
13) Ethanol	1.729	45	6589	10.414	ppbv	100
14) Bromoethene	1.787	108	53682	10.866	ppbv	99
15) Acetone	1.842	43	153734	10.342	ppbv	97
16) 1,3-Butadiene	1.615	39	73596	10.638	ppbv	99
17) tert-Butyl alcohol	2.049	59	168888	9.081	ppbv	97
18) 1,1-Dichloroethene	2.043	96	64186	10.153	ppbv	92
19) Isopropyl Alcohol	1.894	45	87101	10.200	ppbv	93
20) Methylene Chloride	2.068	84	69871	12.426	ppbv	97
21) Allyl Chloride	2.104	41	107619	10.020	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	70469	9.562	ppbv	94
23) Vinyl Acetate	2.473	43	86073	8.235	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	136457	9.951	ppbv	99
25) Ethyl Acetate	2.848	43	522277	8.777	ppbv	99
26) Hexane	2.836	57	219929	9.143	ppbv	95
27) Carbon Disulfide	2.159	76	170724	10.470	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	96989	8.099	ppbv	98
29) Chloroform	2.861	83	279316	8.627	ppbv	98
30) Cyclohexane	3.871	84	153350	7.854	ppbv	96
31) cis-1,2-Dichloroethene	2.732	61	175002	7.685	ppbv	96
32) 1,1,1-Trichloroethane	3.382	97	252623	8.044	ppbv	96
34) 2-Butanone	2.567	43	285475	9.036	ppbv	98
35) Carbon Tetrachloride	3.777	117	263308	9.416	ppbv	97
36) Benzene	3.671	78	368780	8.687	ppbv	99
37) 1,2-Dichloroethane	3.230	62	205805	8.744	ppbv	99
38) Trichloroethene	4.570	130	141107	8.140	ppbv	97
39) 1,2-Dichloropropane	4.334	63	138287	8.583	ppbv	97
40) 1,4-Dioxane	4.609	88	62727	8.528	ppbv #	98
41) Tetrahydrofuran	3.069	42	158737	8.504	ppbv	97
42) Bromodichloromethane	4.512	83	284311	8.966	ppbv	99
43) Methyl Methacrylate	4.910	69	132841	8.013	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	662648	8.845	ppbv	97
45) t-1,3-Dichloropropene	6.441	75	120373	7.308	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042152.D
Acq On : 17 Mar 2025 11:38
Operator : SY/MD
Sample : VL0317ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:22:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	168060	7.885	ppbv		97
47) 1,1,2-Trichloroethane	6.606	97	145834	8.915	ppbv		97
48) Dibromochloromethane	7.412	129	224861	8.777	ppbv		98
49) Bromoform	9.500	173	203574	9.150	ppbv		99
50) 4-Methyl-2-Pentanone	5.781	43	378000	9.252	ppbv		97
51) 2-Hexanone	7.461	43	289813	10.306	ppbv	#	96
52) Tetrachloroethene	8.244	164	121217	8.341	ppbv		97
53) Toluene	6.959	91	380447	8.019	ppbv		98
54) 1,2-Dibromoethane	7.674	107	187462	8.477	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.943	131	183855	9.593	ppbv		100
57) Chlorobenzene	8.940	112	325825	9.267	ppbv		98
58) Ethyl Benzene	9.374	91	530577	8.496	ppbv		99
59) m/p-Xylene	9.568	91	911062m	18.332	ppbv		
60) o-Xylene	9.982	91	457063	9.148	ppbv		99
61) Styrene	9.888	104	195754	8.334	ppbv		99
62) Isopropylbenzene	10.555	105	674921	9.020	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.979	83	324554	9.864	ppbv		99
64) n-propylbenzene	11.005	120	183756	9.363	ppbv		100
65) tert-Butylbenzene	11.545	119	624075	9.165	ppbv		98
66) Benzyl Chloride	11.629	91	42782	8.233	ppbv		97
67) sec-Butylbenzene	11.782	105	891362	9.153	ppbv		99
69) p-Isopropyltoluene	11.937	119	713173	9.204	ppbv		98
70) n-Butylbenzene	12.293	91	740235	9.359	ppbv		99
71) 2-Chlorotoluene	10.914	91	498827	8.648	ppbv		99
72) 4-Ethyltoluene	11.141	105	553863	9.080	ppbv		99
73) 1,3,5-Trimethylbenzene	11.218	105	470478	8.891	ppbv		99
74) 1,2,4-Trimethylbenzene	11.552	105	546537	9.173	ppbv		92
75) 1,3-Dichlorobenzene	11.623	146	315233	9.193	ppbv		99
76) 1,4-Dichlorobenzene	11.684	146	312196	9.170	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	313994	9.436	ppbv		99
78) Hexachloro-1,3-Butadiene	13.892	225	219764	8.487	ppbv		99
79) Naphthalene	13.526	128	451423	11.049	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	140075	12.529	ppbv		100
81) 1,2,4-Trichlorobenzene	13.452	180	209284	9.192	ppbv		98

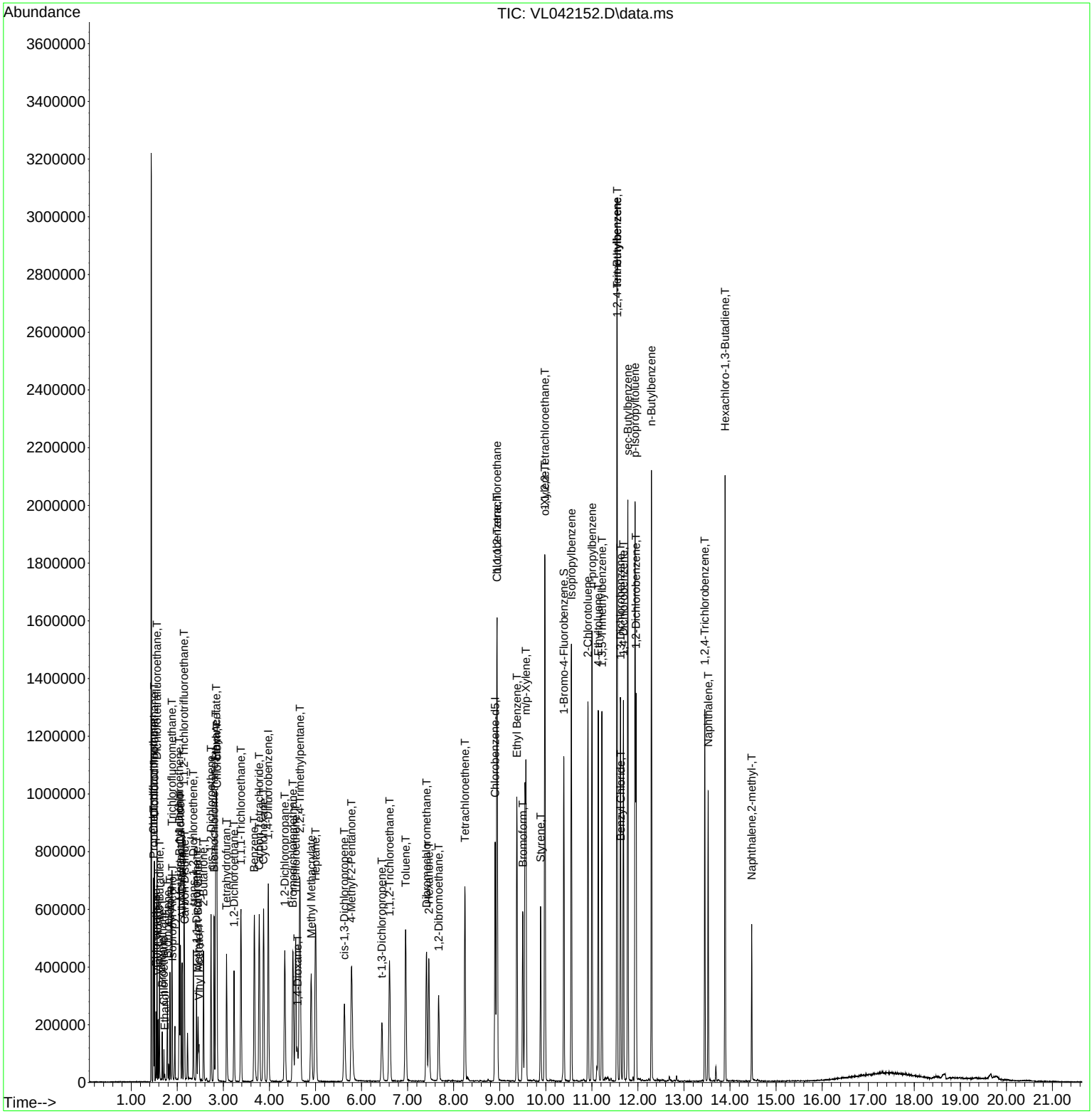
(#) = qualifier out of range (m) = manual integration (+) = signals summed

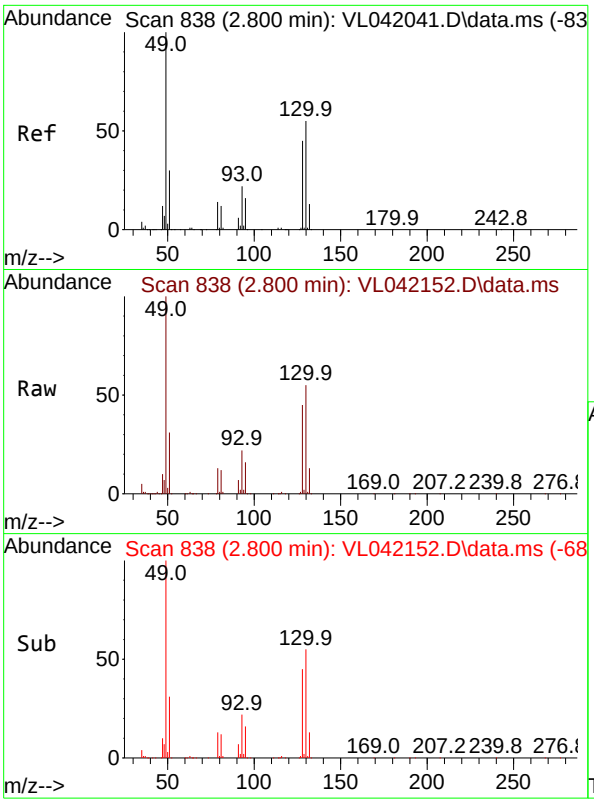
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042152.D
Acq On : 17 Mar 2025 11:38
Operator : SY/MD
Sample : VL0317ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 18 01:22:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

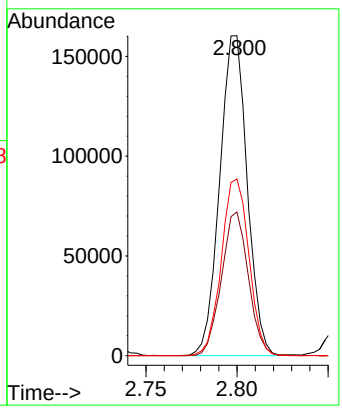




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 49 Resp: 16833

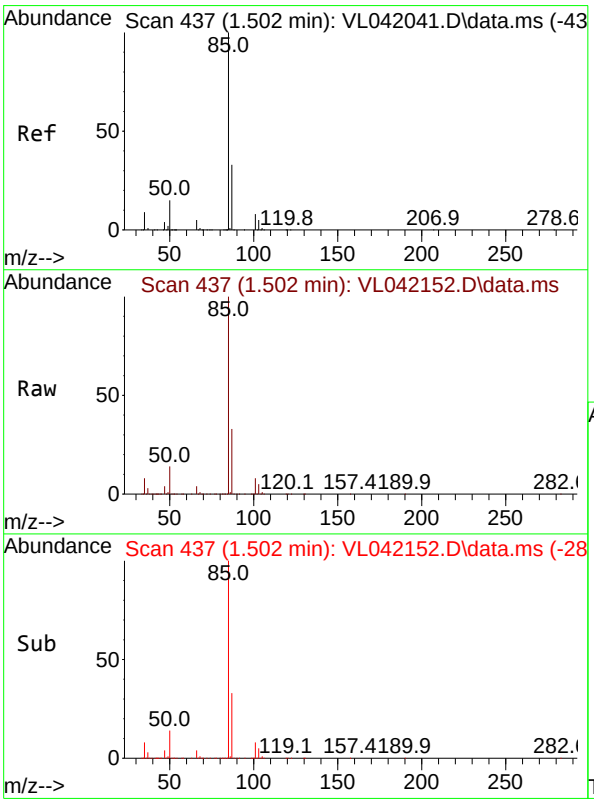
Ion	Ratio	Lower	Upper
49	100		
128	43.9	21.6	64.8
130	55.3	27.8	83.4



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

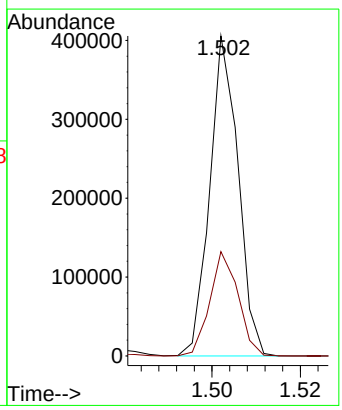
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

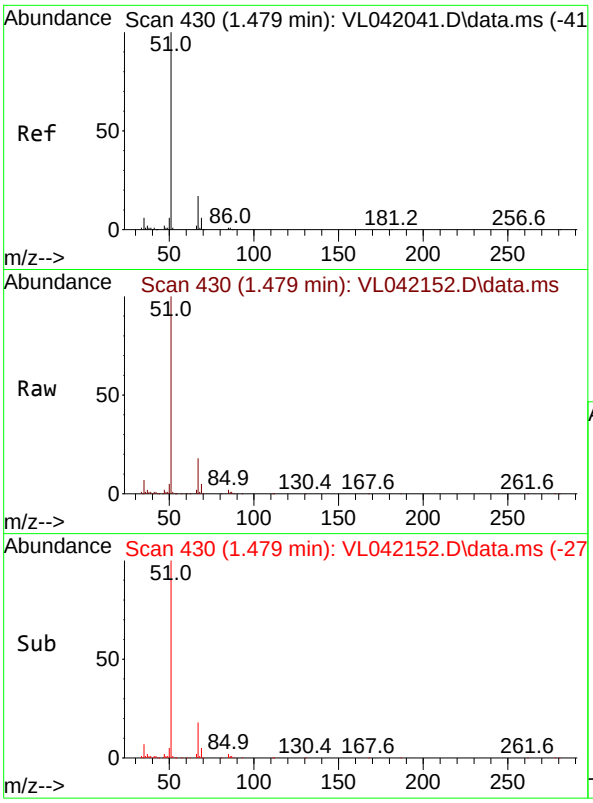


#2
Dichlorodifluoromethane
Concen: 10.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 85 Resp: 180681

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.4	39.6

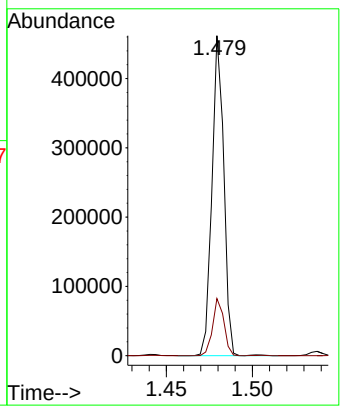




#3
Chlorodifluoromethane
Concen: 8.980 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 51 Resp: 21970

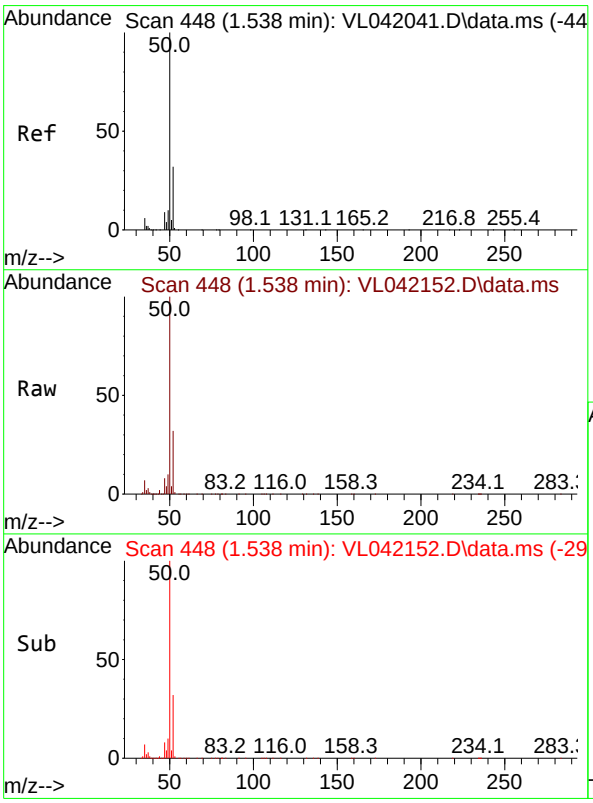
Ion	Ratio	Lower	Upper
51	100		
67	17.2	13.7	20.5



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

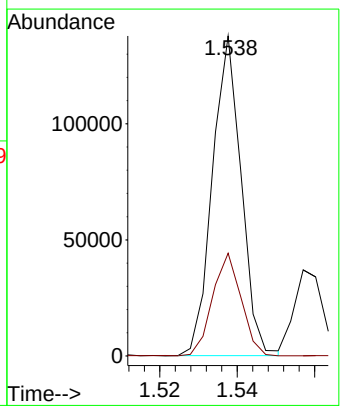
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

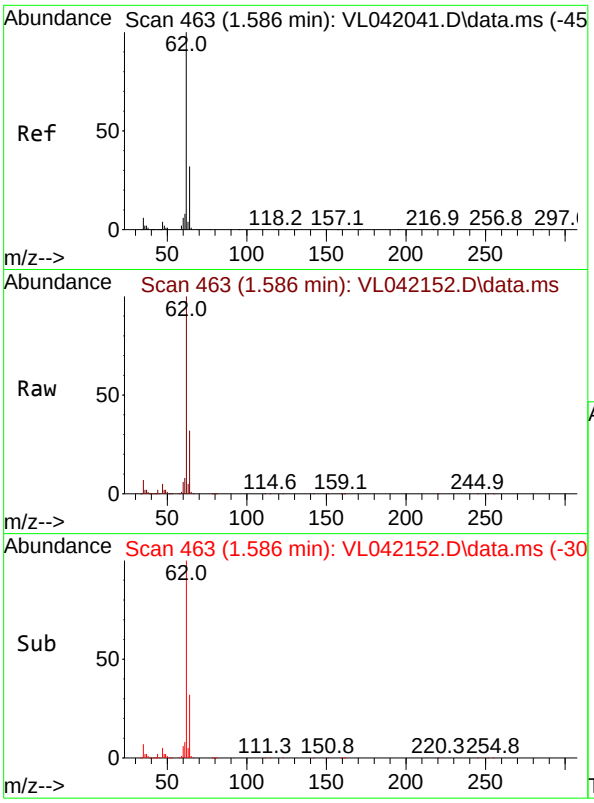


#4
Chloromethane
Concen: 10.989 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 50 Resp: 71134

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.4	38.0

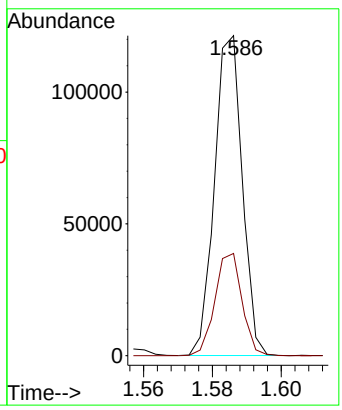




#5
Vinyl Chloride
Concen: 11.106 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 62 Resp: 6800

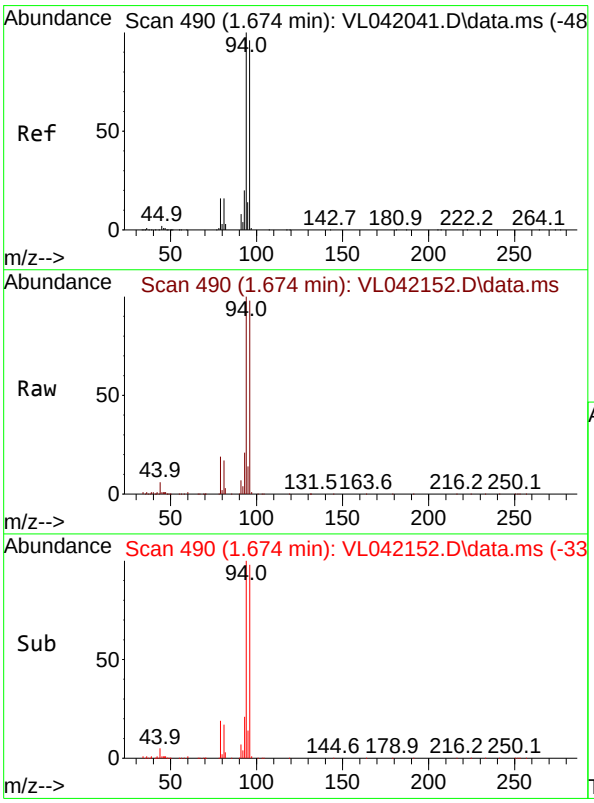
Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

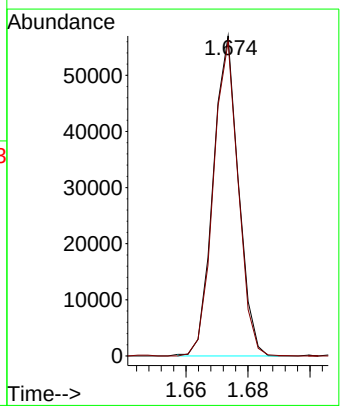
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

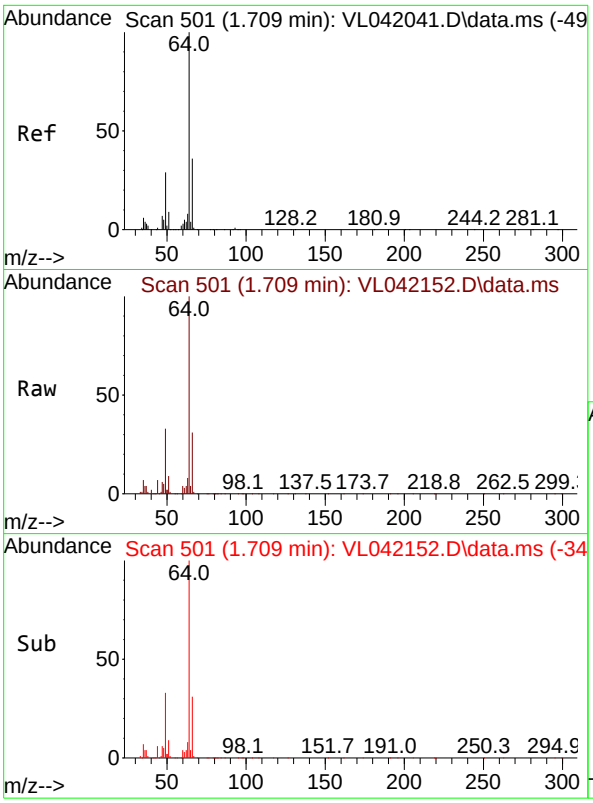


#6
Bromomethane
Concen: 11.059 ppbv
RT: 1.674 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 94 Resp: 32244

Ion	Ratio	Lower	Upper
94	100		
96	98.2	76.5	114.7

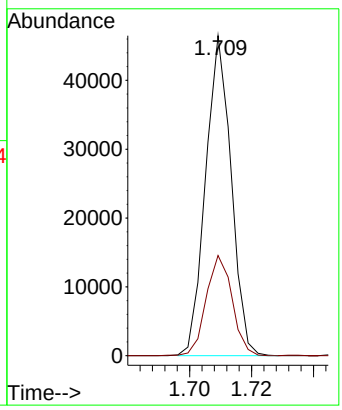




#7
Chloroethane
Concen: 10.682 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 64 Resp: 2657

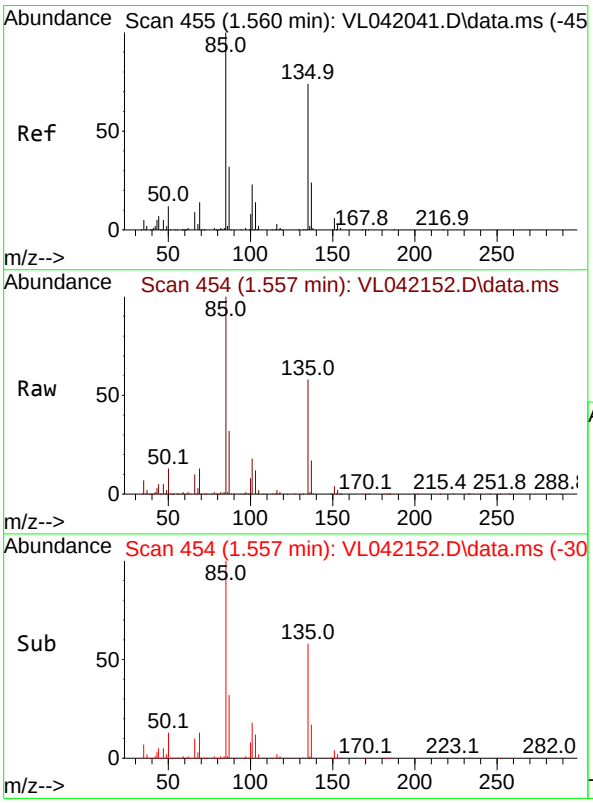
Ion	Ratio	Lower	Upper
64	100		
66	31.3	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

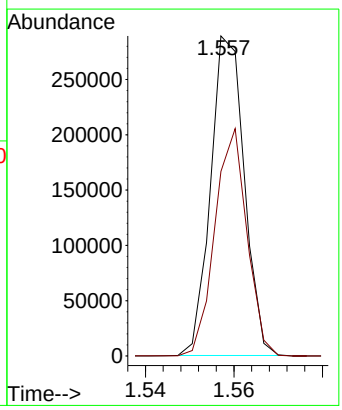
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

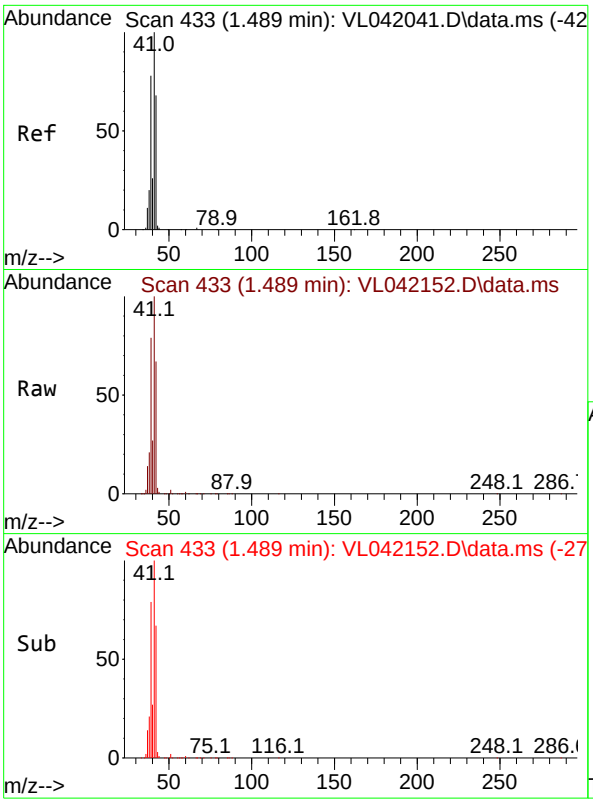


#8
Dichlorotetrafluoroethane
Concen: 10.624 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 85 Resp: 152871

Ion	Ratio	Lower	Upper
85	100		
135	67.8	54.6	81.8

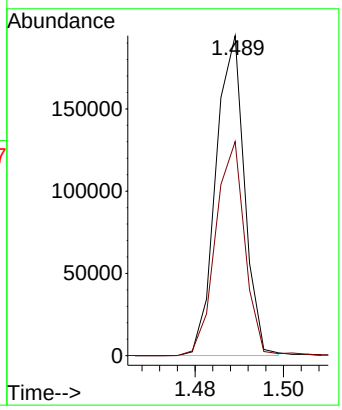




#9
Propene
Concen: 8.756 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 41 Resp: 8726

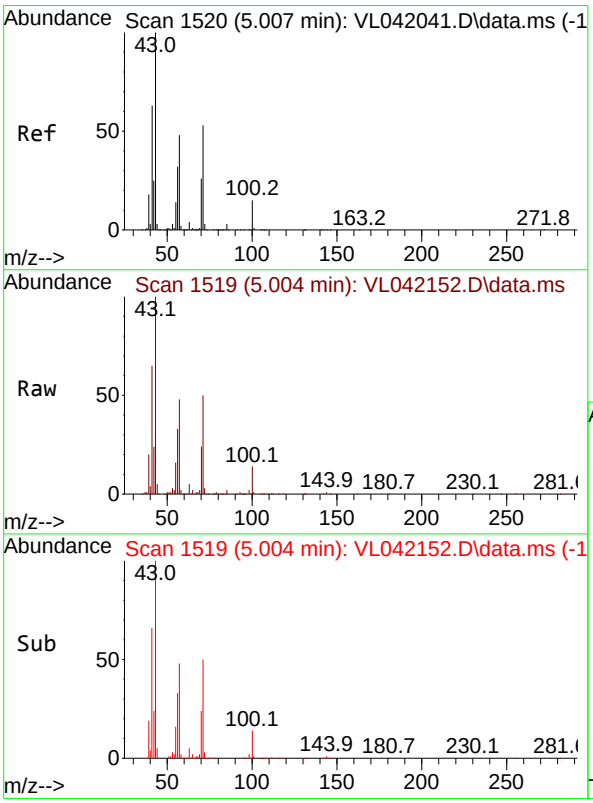
Ion	Ratio	Lower	Upper
41	100		
42	69.2	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

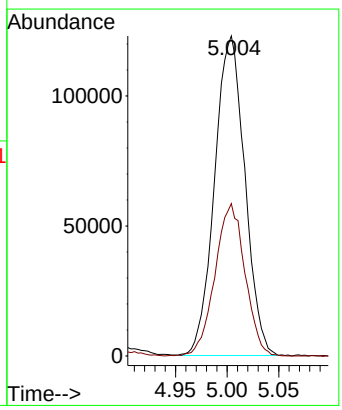
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

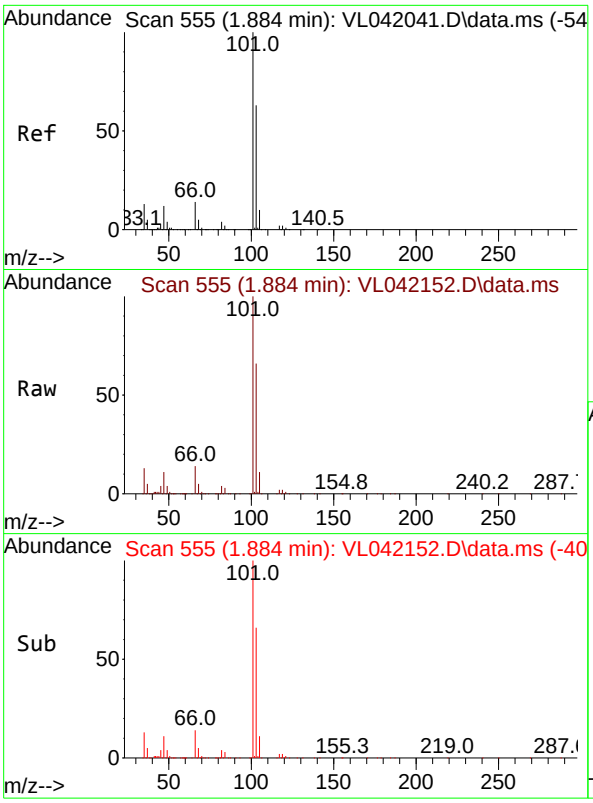


#10
Heptane
Concen: 8.069 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 250401

Ion	Ratio	Lower	Upper
43	100		
57	47.2	39.4	59.0





#11
Trichlorofluoromethane
Concen: 11.028 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

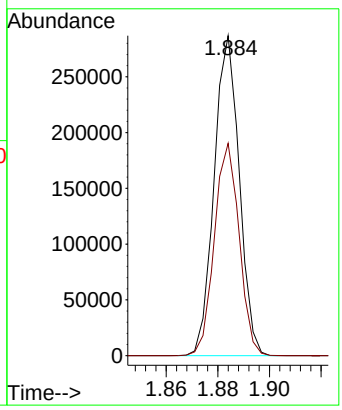
Tgt Ion:101 Resp: 19341

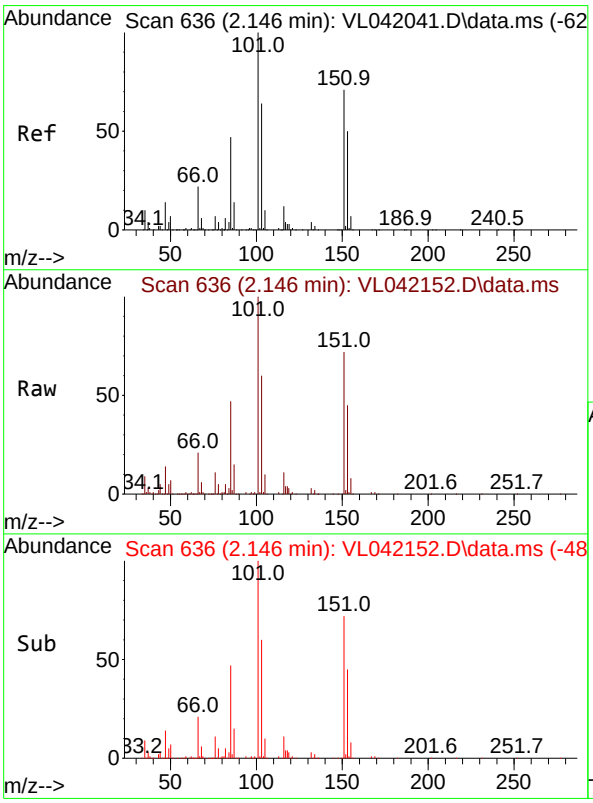
Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.6	75.8

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

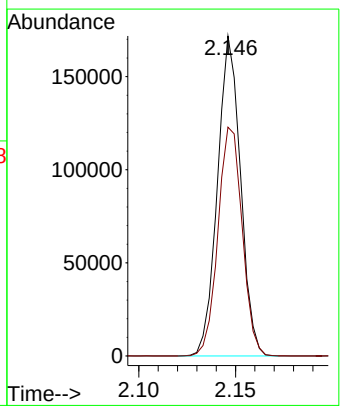


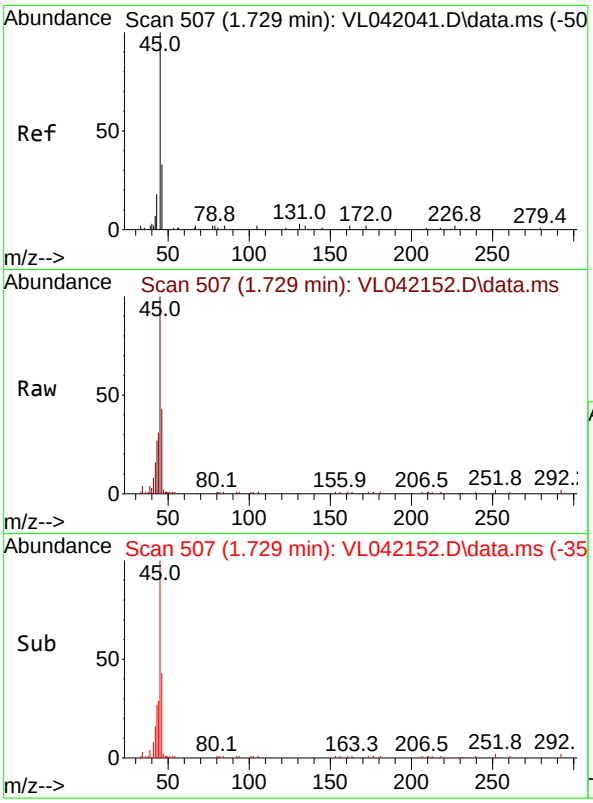


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.167 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:101 Resp: 142239

Ion	Ratio	Lower	Upper
101	100		
151	75.1	62.6	94.0

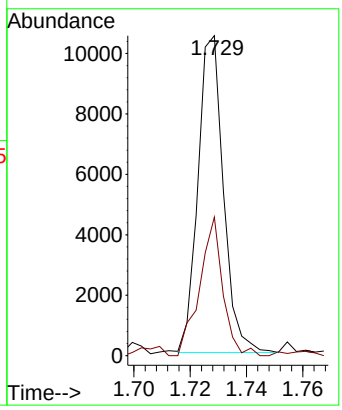




#13
Ethanol
Concen: 10.414 ppbv
RT: 1.729 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 45 Resp: 658

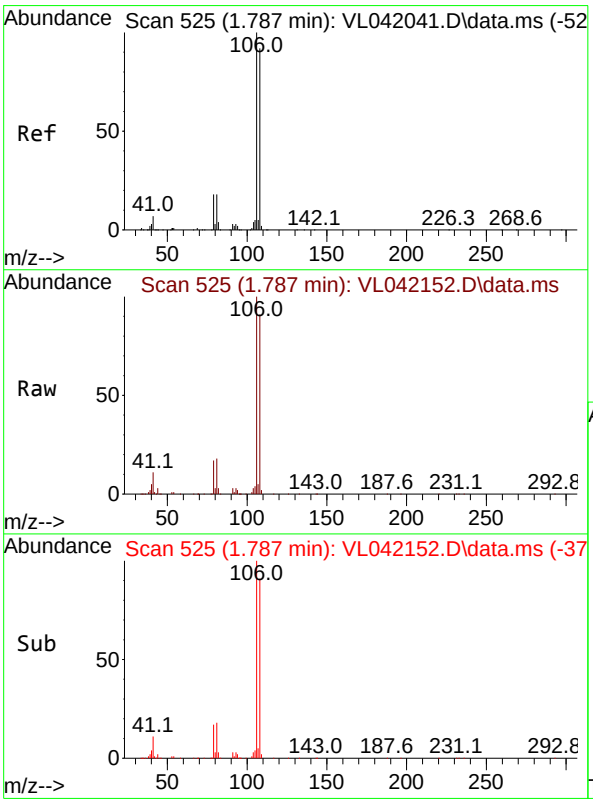
Ion	Ratio	Lower	Upper
45	100		
46	43.0	17.1	68.3



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

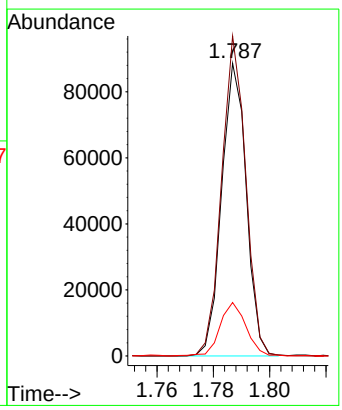
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

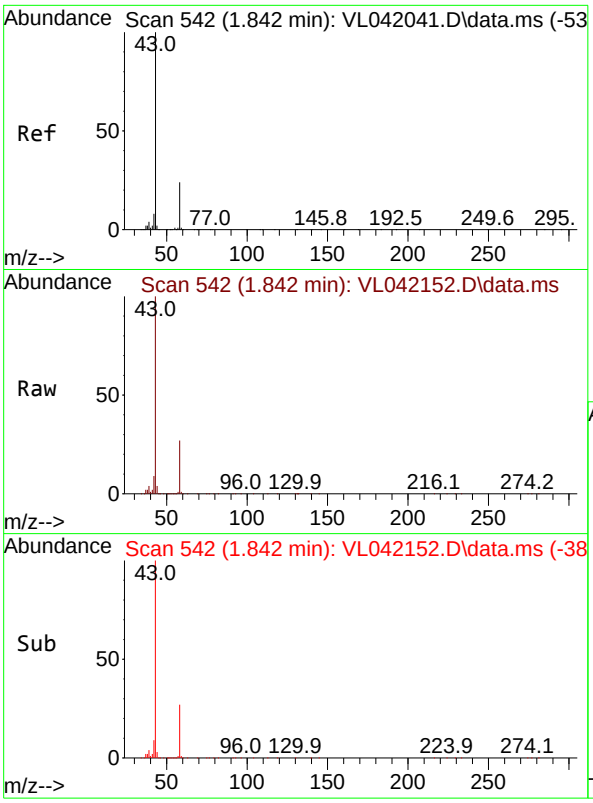


#14
Bromoethene
Concen: 10.866 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:108 Resp: 53682

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.4	128.0
79	19.7	16.5	24.7

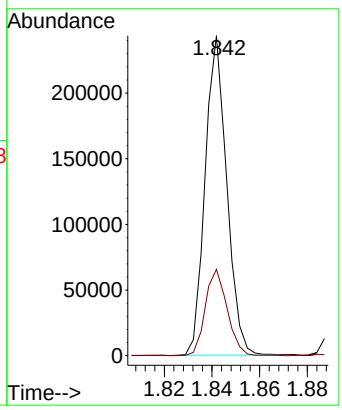




#15
Acetone
Concen: 10.342 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 15373

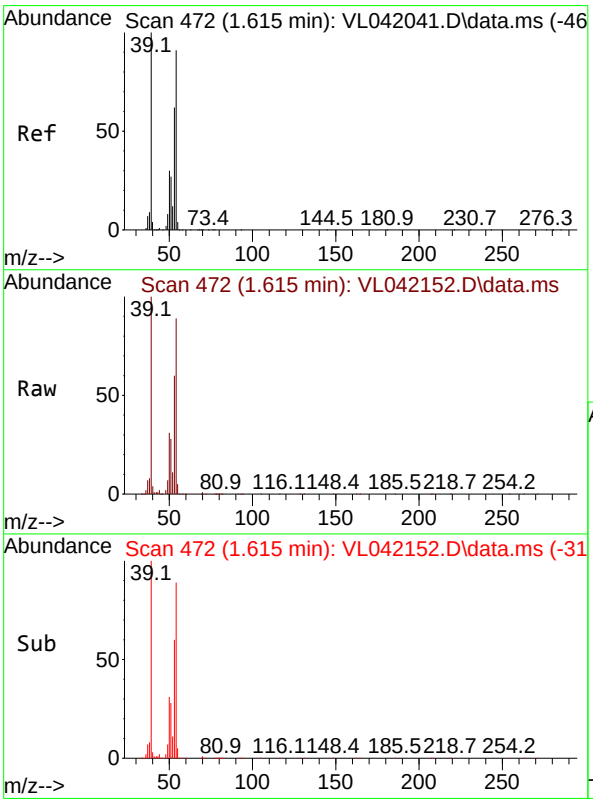
Ion	Ratio	Lower	Upper
43	100		
58	27.5	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

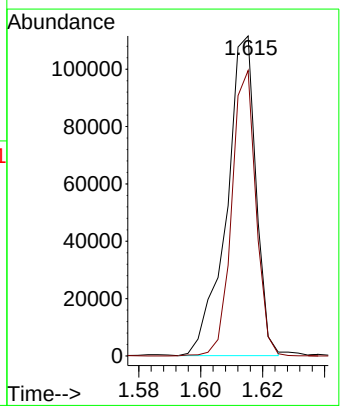
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

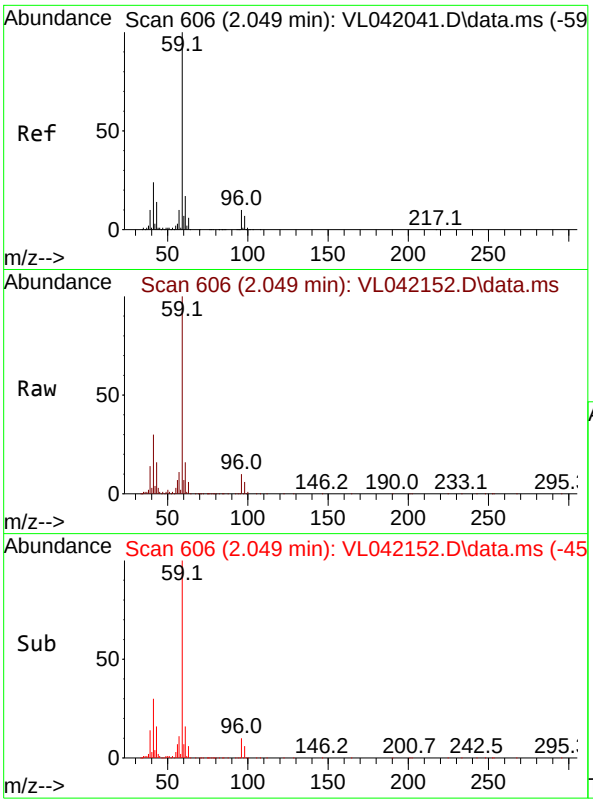


#16
1,3-Butadiene
Concen: 10.638 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 39 Resp: 73596

Ion	Ratio	Lower	Upper
39	100		
54	73.4	59.6	89.4

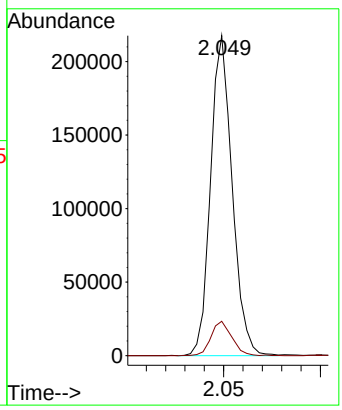




#17
tert-Butyl alcohol
Concen: 9.081 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 59 Resp: 16888

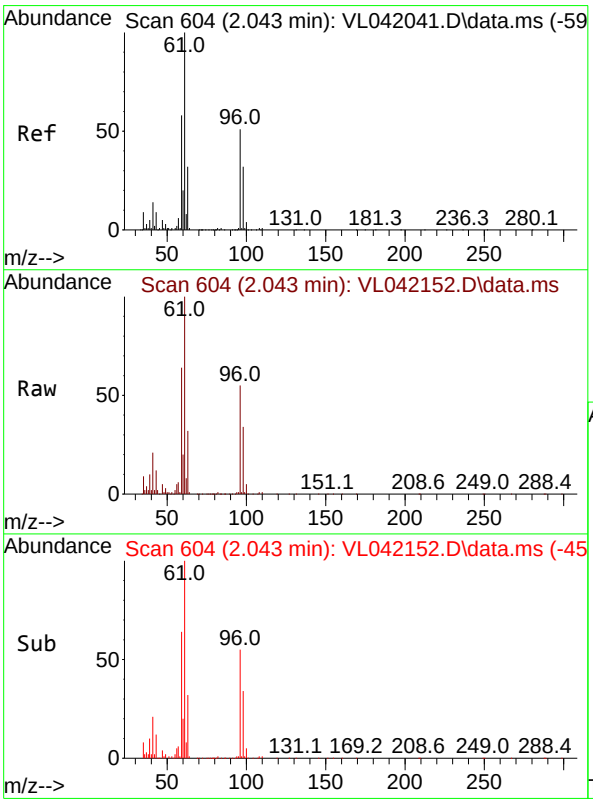
Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

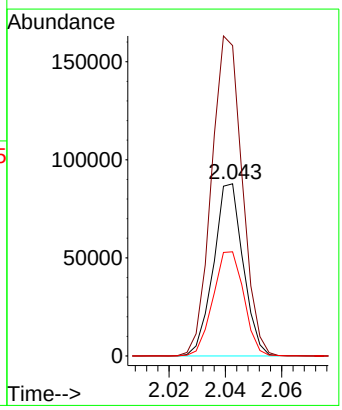
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

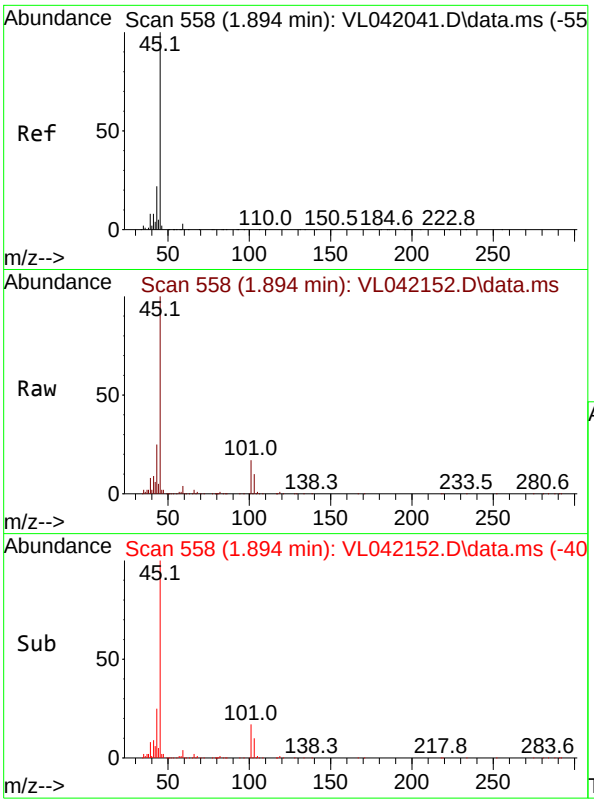


#18
1,1-Dichloroethene
Concen: 10.153 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 96 Resp: 64186

Ion	Ratio	Lower	Upper
96	100		
61	180.1	156.0	234.0
98	60.4	49.4	74.2

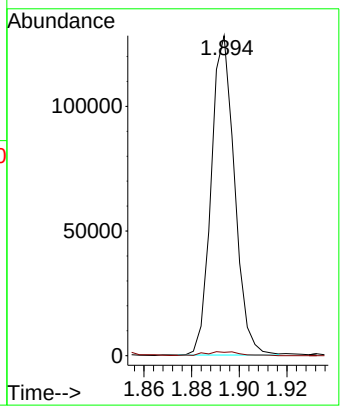




#19
Isopropyl Alcohol
Concen: 10.200 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 45 Resp: 8710

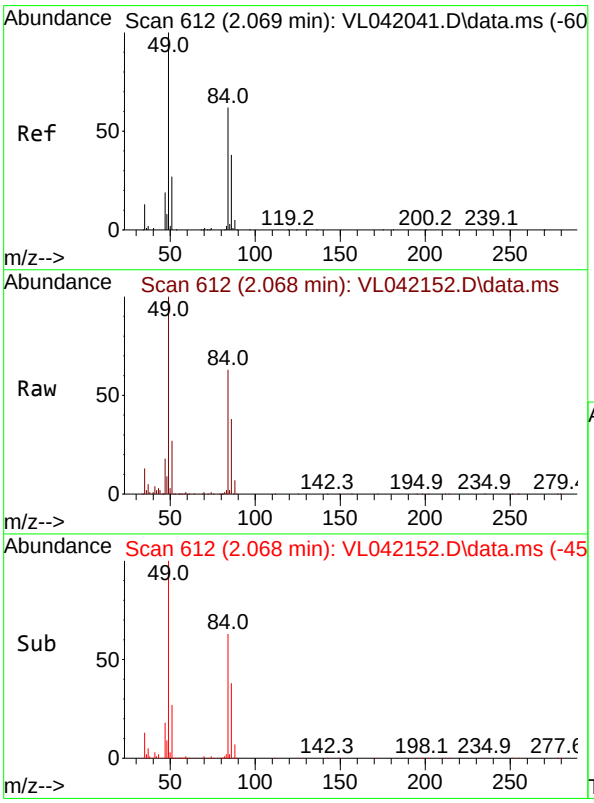
Ion	Ratio	Lower	Upper
45	100		
58	48.5	35.3	52.9



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

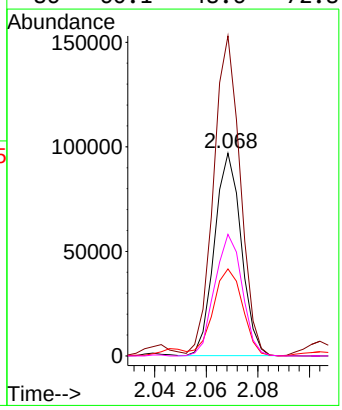
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

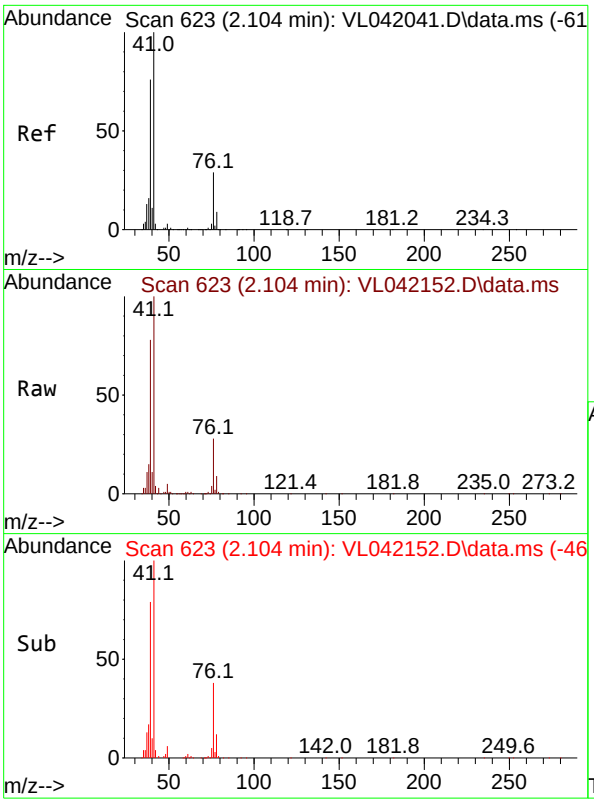


#20
Methylene Chloride
Concen: 12.426 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 84 Resp: 69871

Ion	Ratio	Lower	Upper
84	100		
49	158.1	130.0	195.0
51	42.9	37.4	56.0
86	60.1	48.6	72.8





#21
Allyl Chloride
Concen: 10.020 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

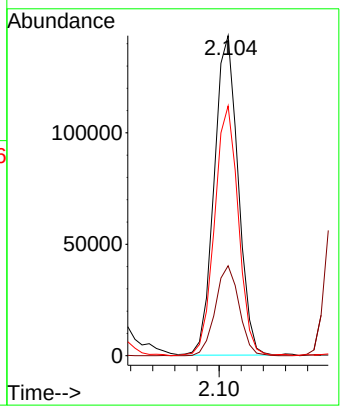
Tgt Ion: 41 Resp: 10761

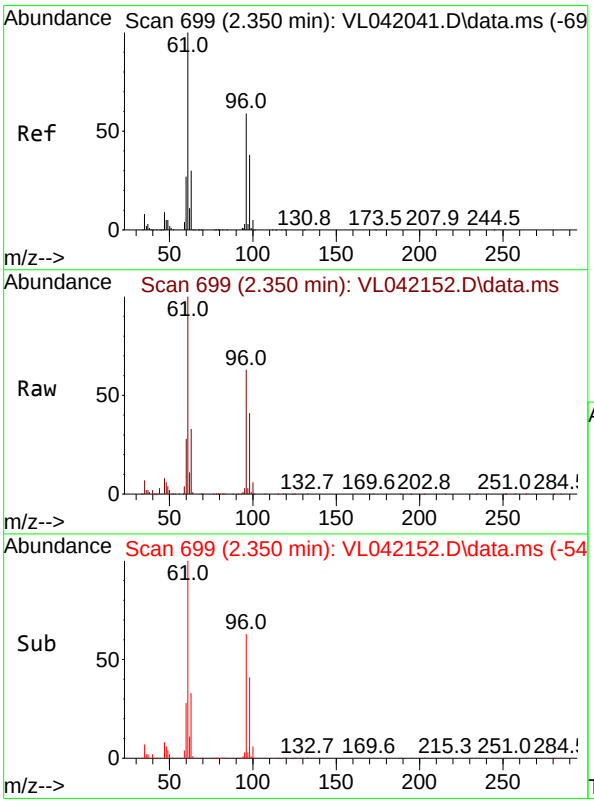
Ion	Ratio	Lower	Upper
41	100		
76	28.0	23.8	35.6
39	77.4	63.8	95.6

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

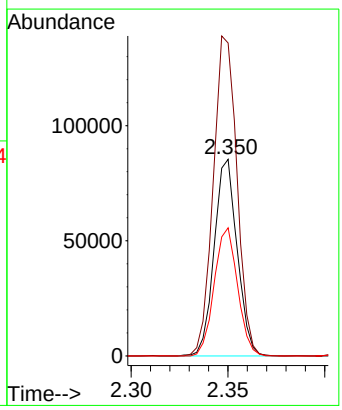


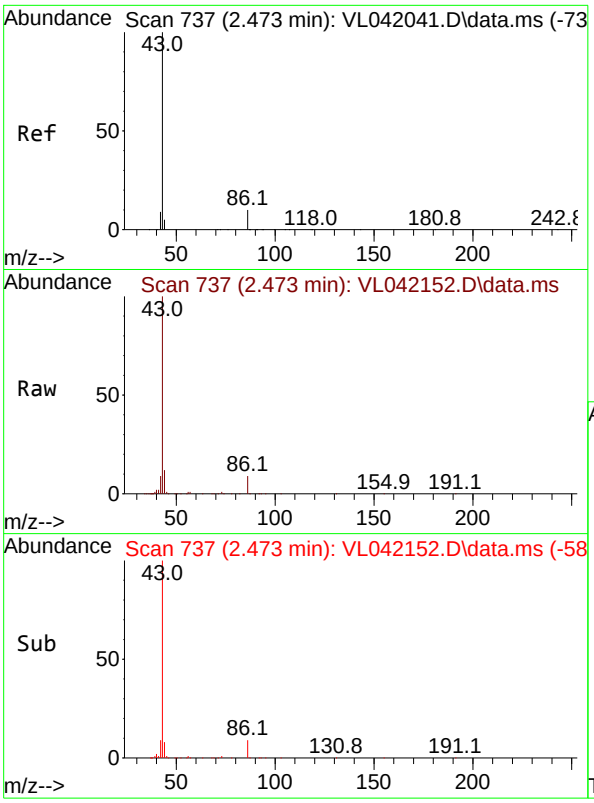


#22
trans-1,2-Dichloroethene
Concen: 9.562 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 96 Resp: 70469

Ion	Ratio	Lower	Upper
96	100		
61	159.1	136.6	205.0
98	65.1	51.8	77.6

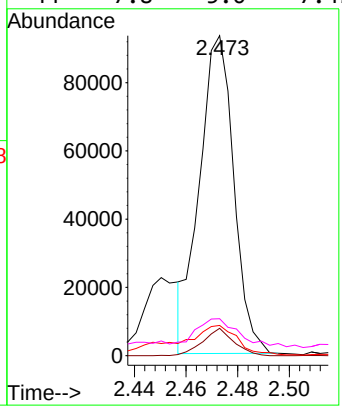




#23
Vinyl Acetate
Concen: 8.235 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 8607

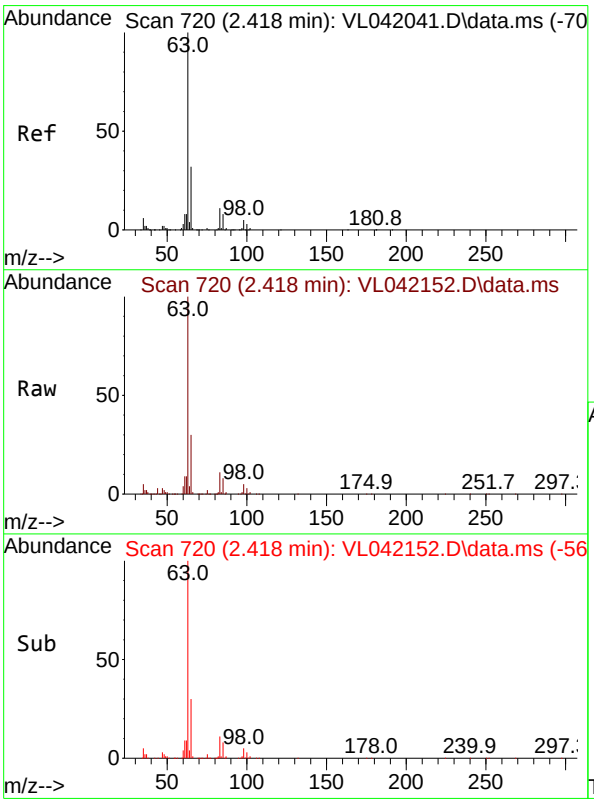
Ion	Ratio	Lower	Upper
43	100		
86	8.6	7.0	10.4
42	9.0	7.6	11.4
44	7.8	5.0	7.4#



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

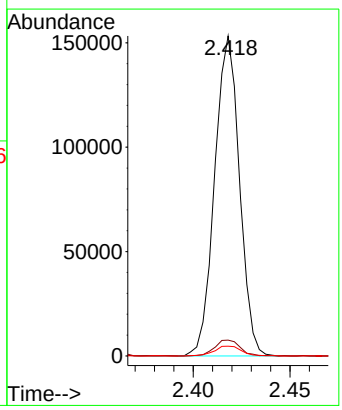
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

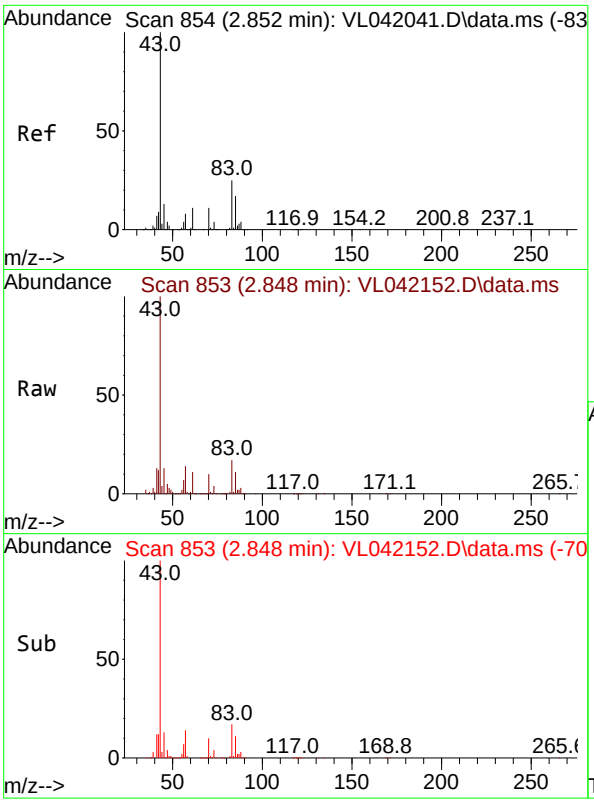


#24
1,1-Dichloroethane
Concen: 9.951 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 63 Resp: 136457

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.2
100	3.0	1.7	5.0

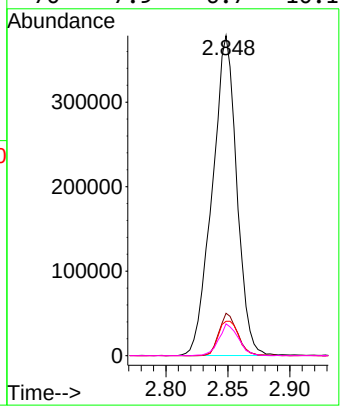




#25
Ethyl Acetate
Concen: 8.777 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 52227

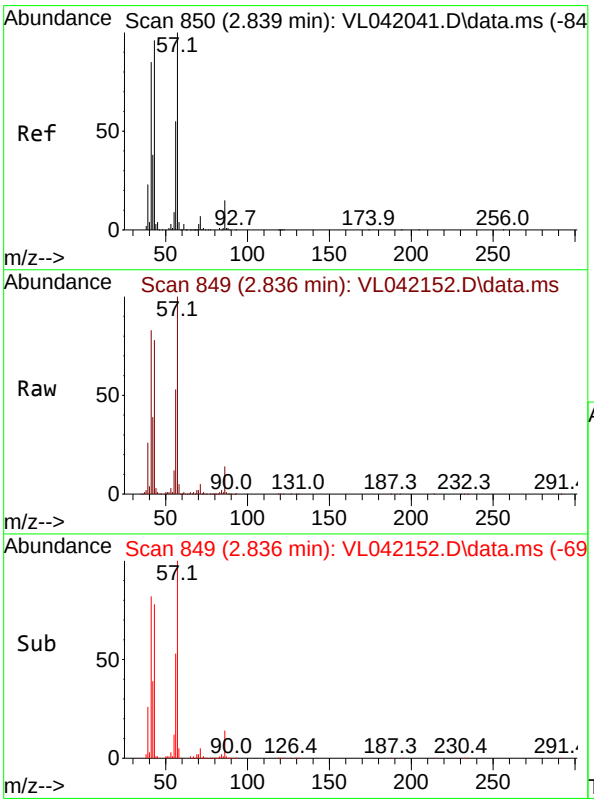
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.2	7.2	10.8
70	7.9	6.7	10.1



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

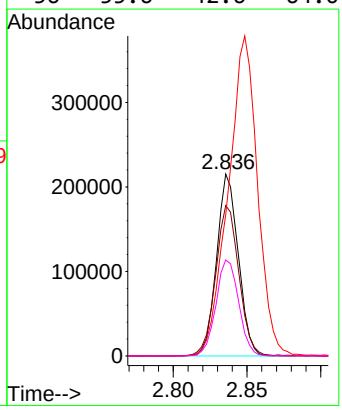
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

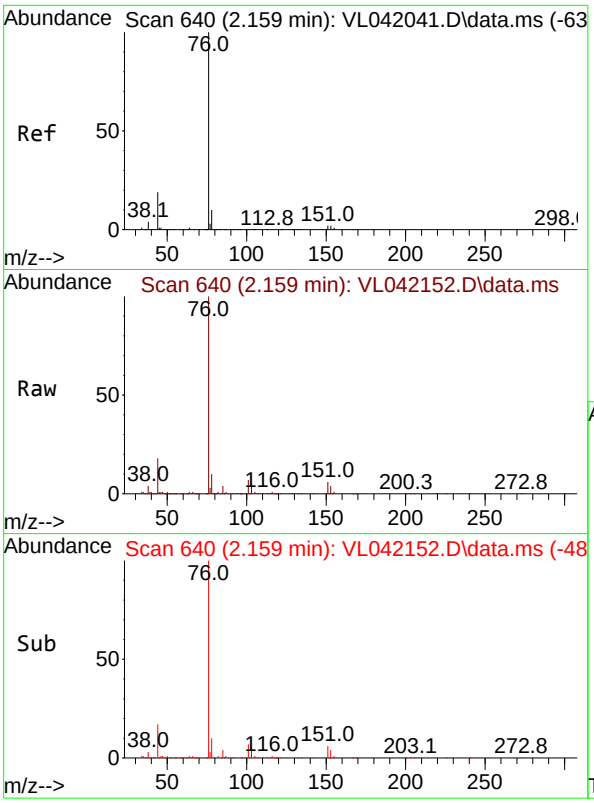


#26
Hexane
Concen: 9.143 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 57 Resp: 219929

Ion	Ratio	Lower	Upper
57	100		
41	89.7	70.6	106.0
43	238.2	199.4	299.0
56	55.6	42.6	64.0





#27
Carbon Disulfide
Concen: 10.470 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

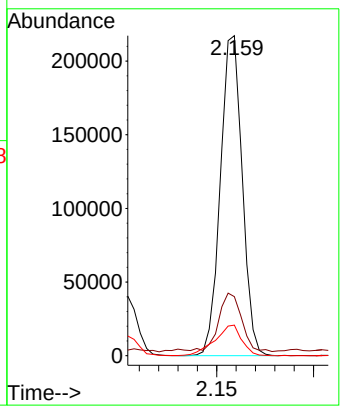
Tgt Ion: 76 Resp: 17072

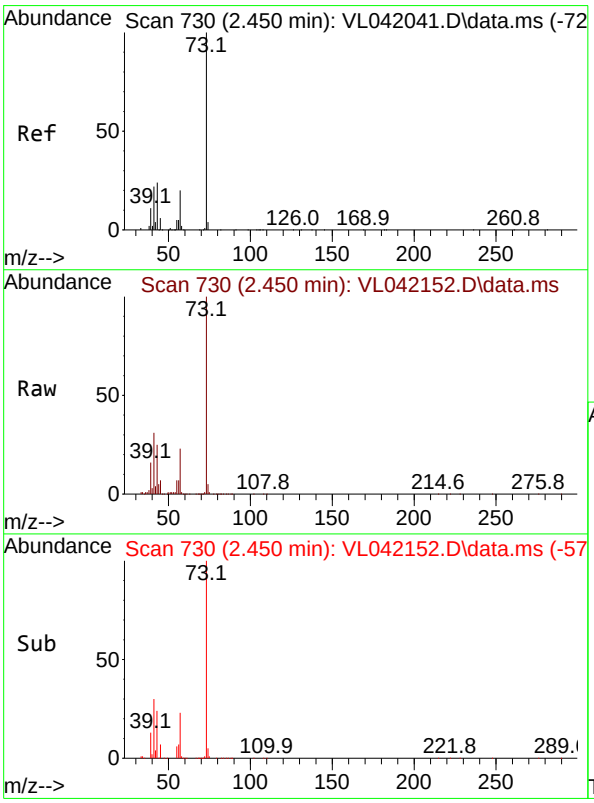
Ion	Ratio	Lower	Upper
76	100		
44	18.4	16.2	24.2
78	11.8	9.4	14.0

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

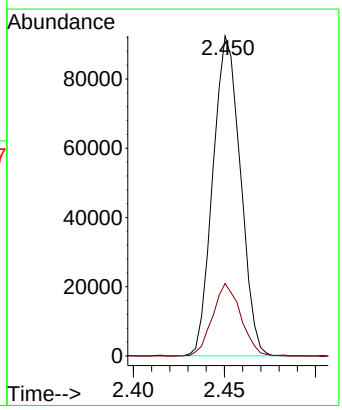


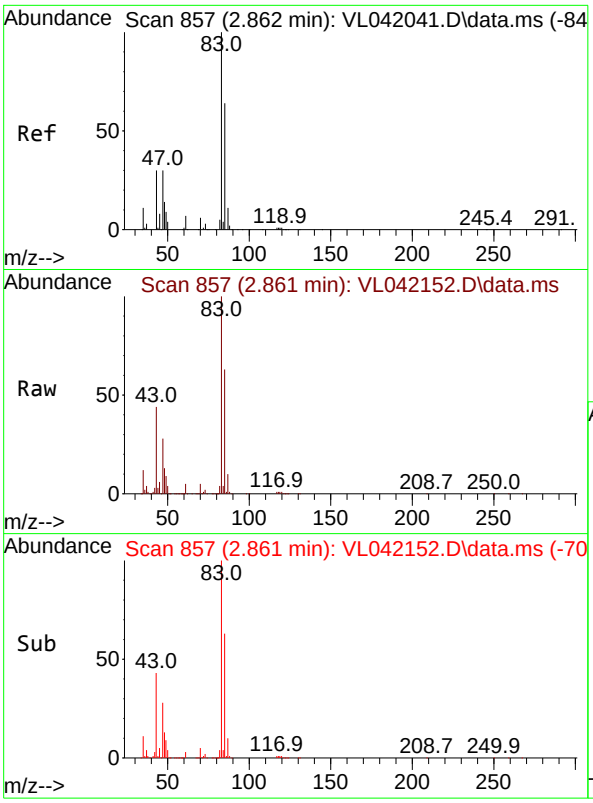


#28
Methyl tert-Butyl Ether
Concen: 8.099 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 73 Resp: 96989

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5





#29
Chloroform
Concen: 8.627 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

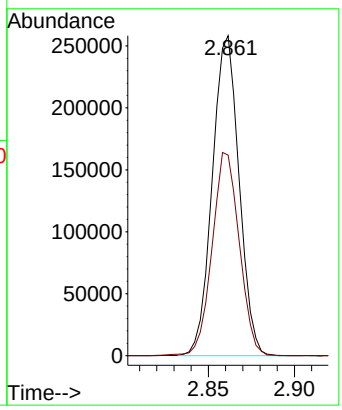
Tgt Ion: 83 Resp: 27931

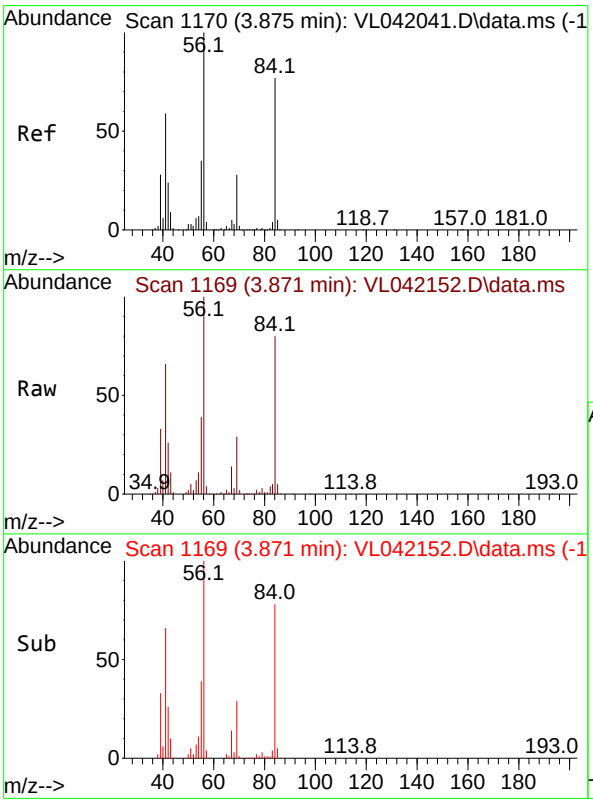
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

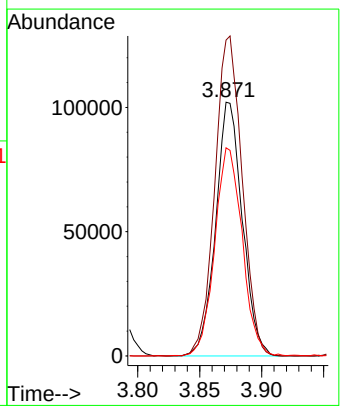


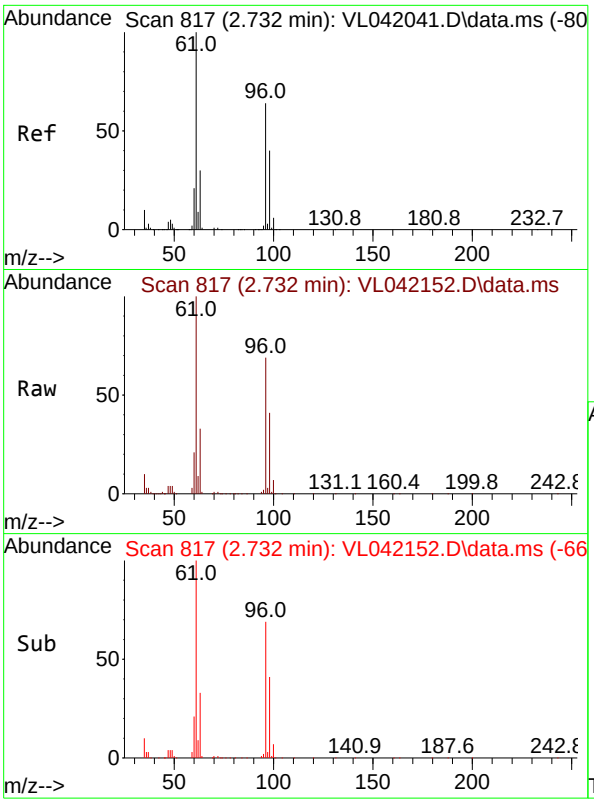


#30
Cyclohexane
Concen: 7.854 ppbv
RT: 3.871 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 84 Resp: 153350

Ion	Ratio	Lower	Upper
84	100		
56	129.1	101.5	152.3
41	84.8	62.6	93.8

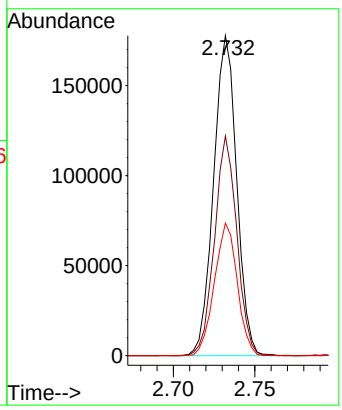




#31
cis-1,2-Dichloroethene
Concen: 7.685 ppbv
RT: 2.732 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 61 Resp: 17500

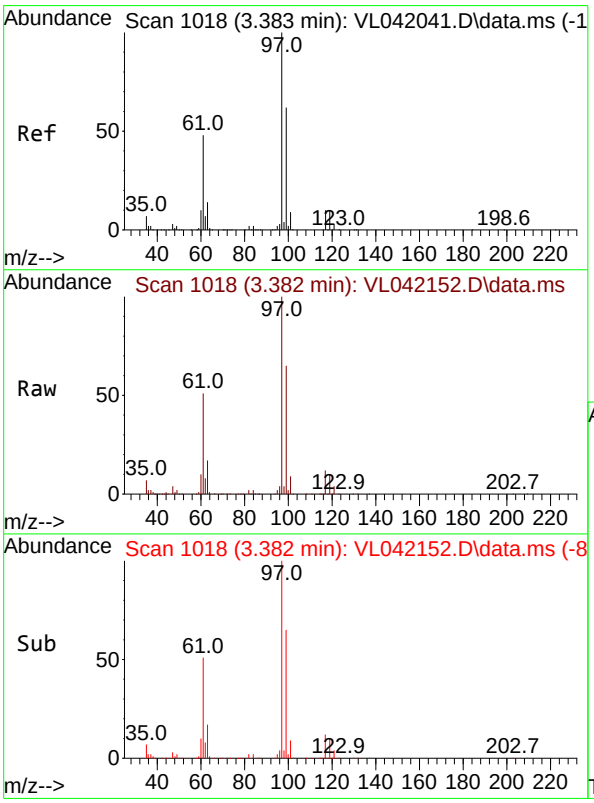
Ion	Ratio	Lower	Upper
61	100		
96	68.6	51.5	77.3
98	41.5	32.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

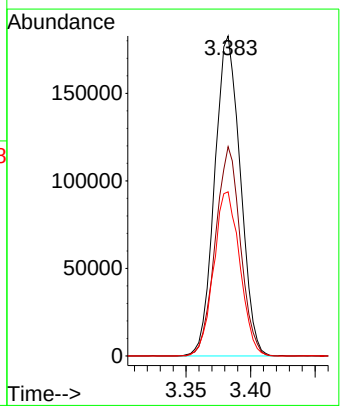
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

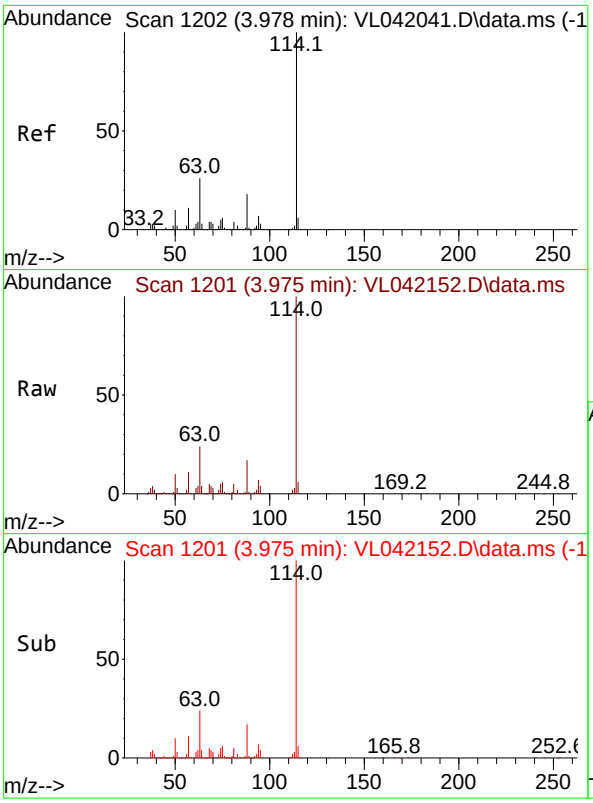


#32
1,1,1-Trichloroethane
Concen: 8.044 ppbv
RT: 3.382 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 97 Resp: 252623

Ion	Ratio	Lower	Upper
97	100		
99	63.8	49.8	74.6
61	52.4	38.9	58.3

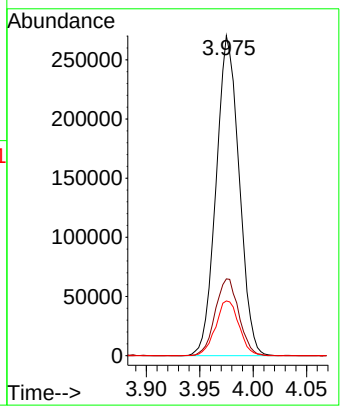




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:114 Resp: 40550

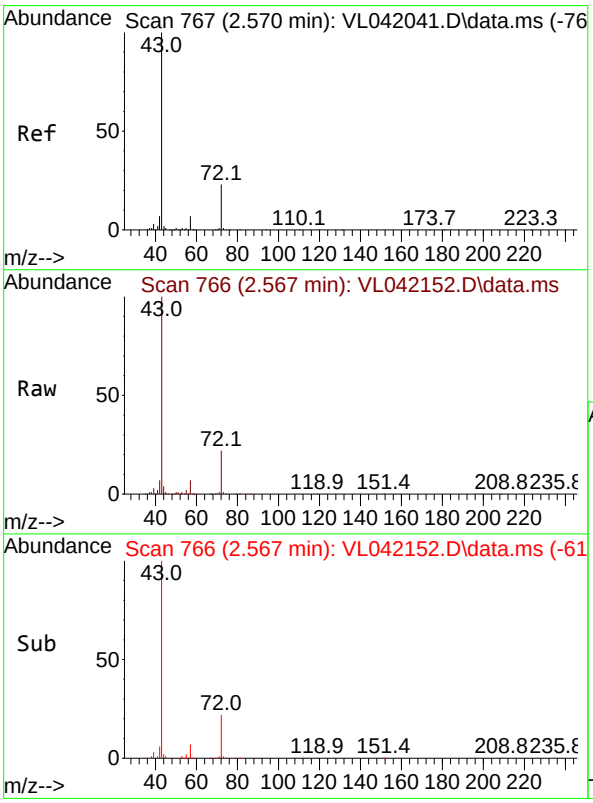
Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.1	30.1
88	17.4	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

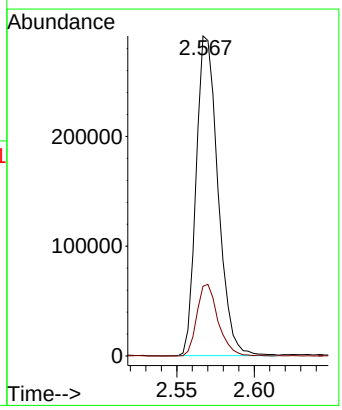
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

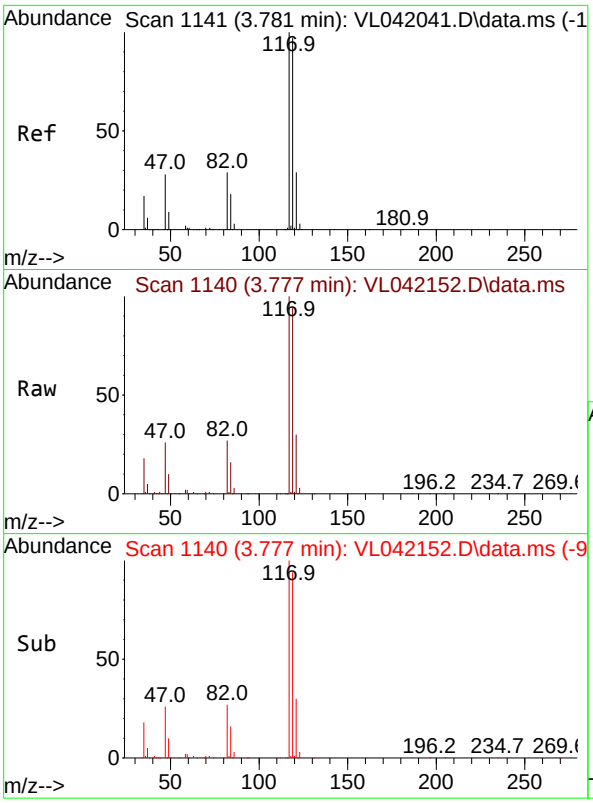


#34
2-Butanone
Concen: 9.036 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 285475

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7

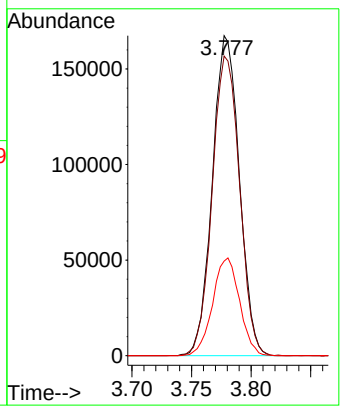




#35
Carbon Tetrachloride
Concen: 9.416 ppbv
RT: 3.777 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:117 Resp: 26330

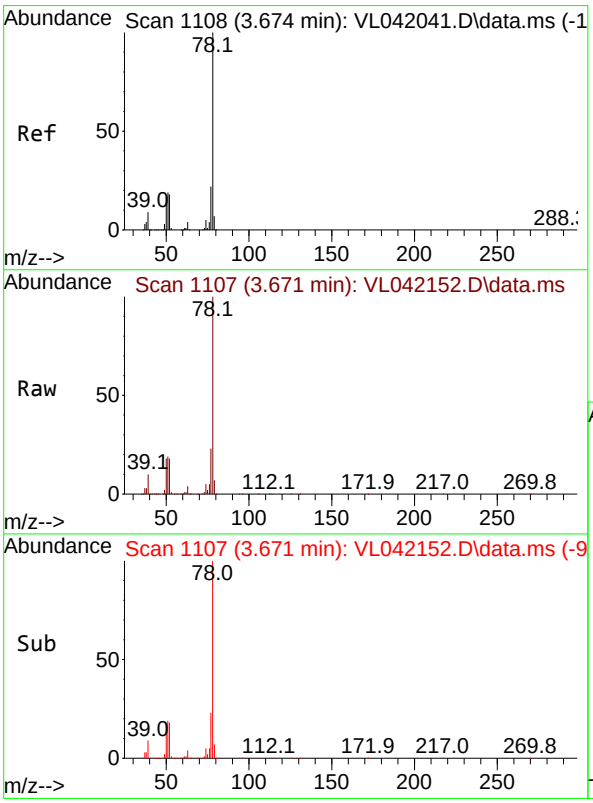
Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.8	116.8
121	29.6	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

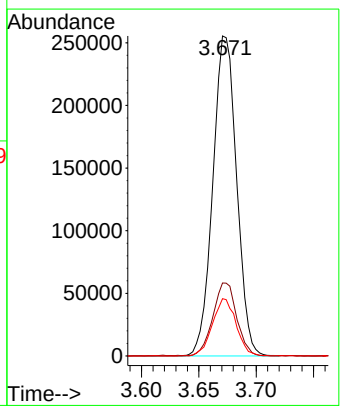
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

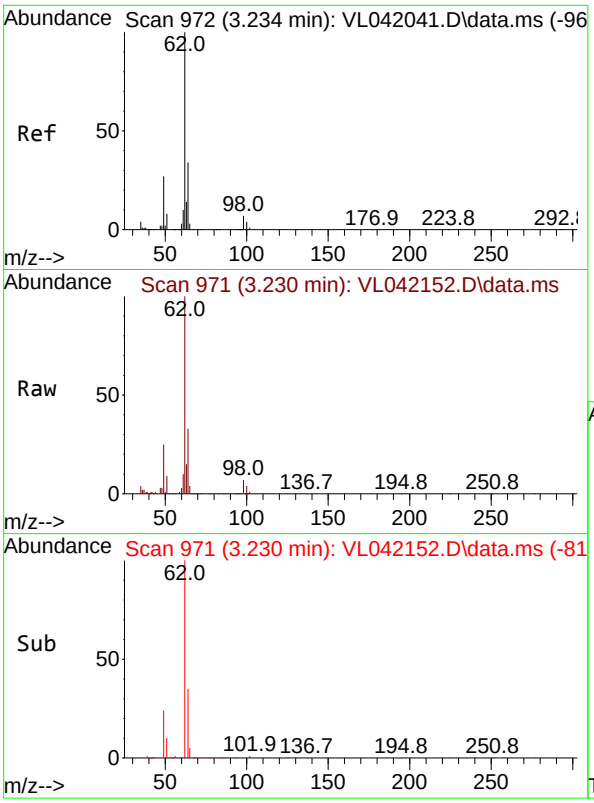


#36
Benzene
Concen: 8.687 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 78 Resp: 368780

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	17.9	13.9	20.9

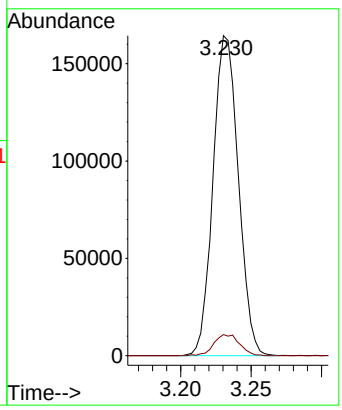




#37
1,2-Dichloroethane
Concen: 8.744 ppbv
RT: 3.230 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 62 Resp: 20580

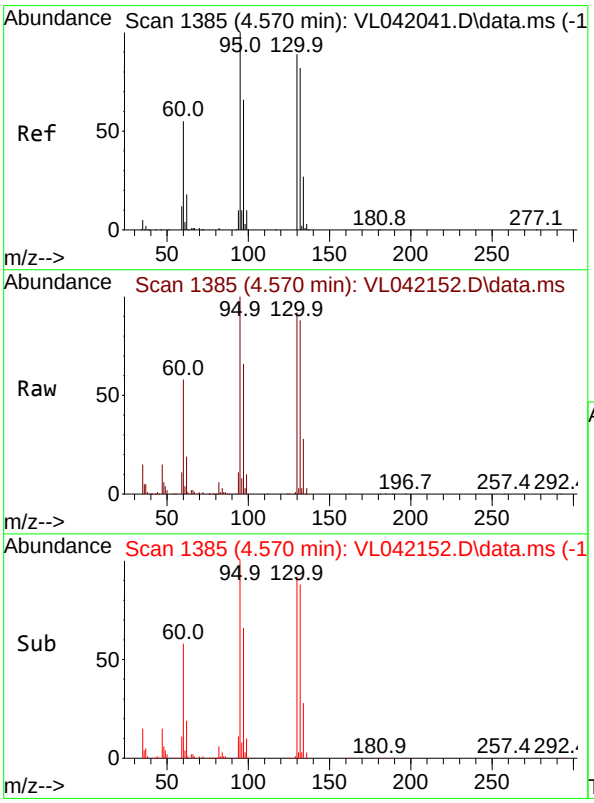
Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.7	8.5



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

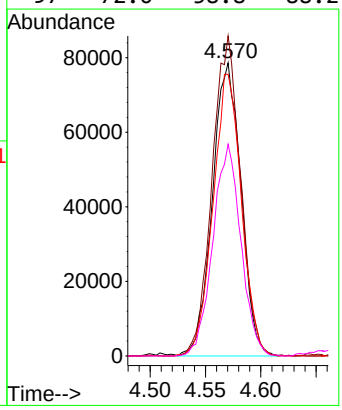
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

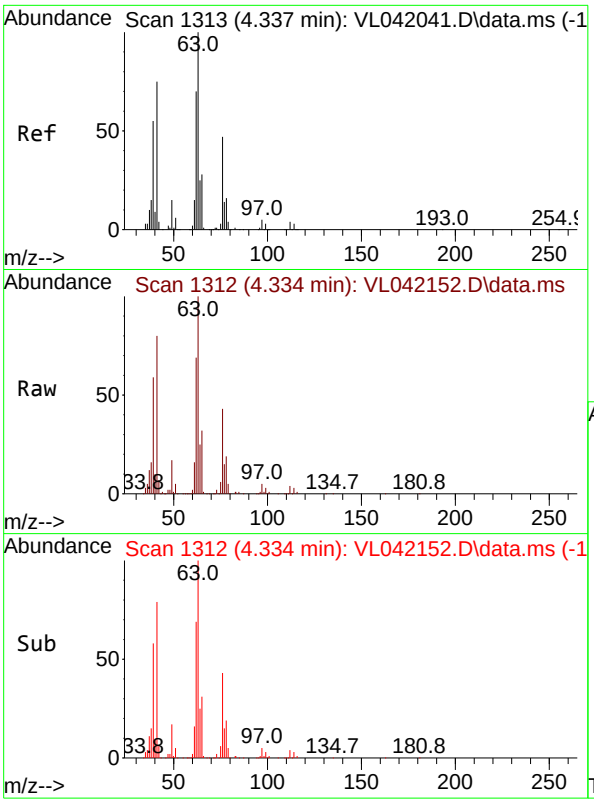


#38
Trichloroethene
Concen: 8.140 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:130 Resp: 141107

Ion	Ratio	Lower	Upper
130	100		
95	109.1	89.5	134.3
132	96.1	73.8	110.6
97	72.0	58.8	88.2

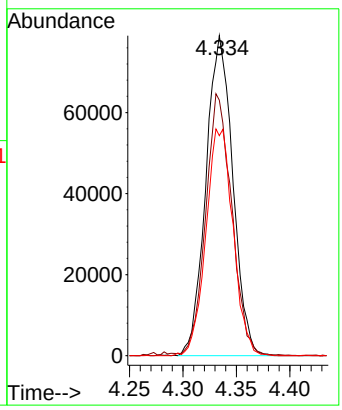




#39
1,2-Dichloropropane
Concen: 8.583 ppbv
RT: 4.334 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 63 Resp: 13828

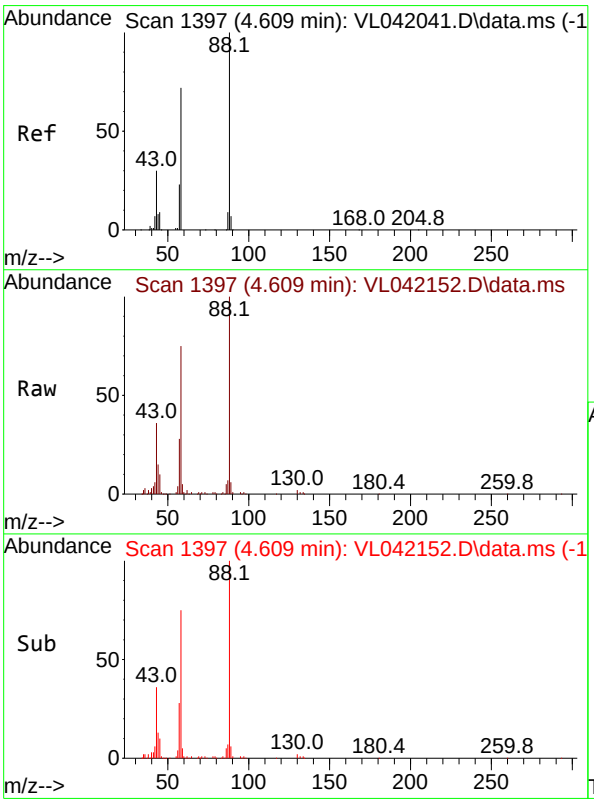
Ion	Ratio	Lower	Upper
63	100		
41	79.5	60.1	90.1
62	68.8	55.8	83.8



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

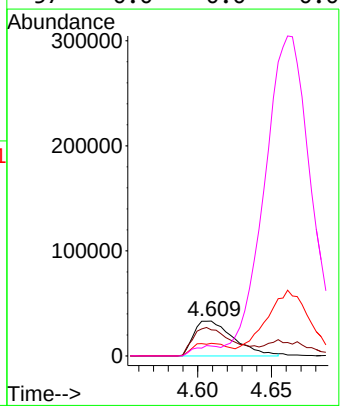
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

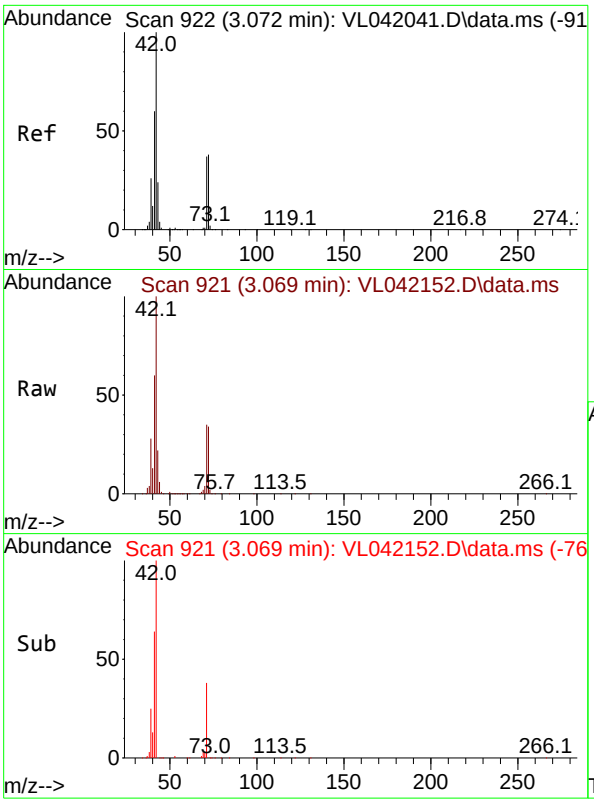


#40
1,4-Dioxane
Concen: 8.528 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 88 Resp: 62727

Ion	Ratio	Lower	Upper
88	100		
58	80.2	62.6	94.0
43	35.9	0.0	0.0#
57	0.0	0.0	0.0

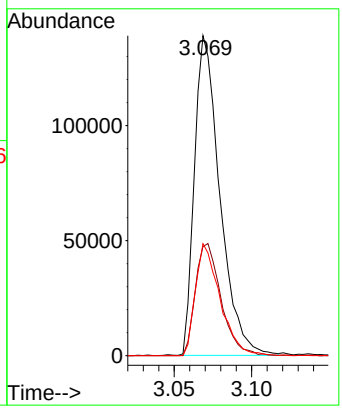




#41
Tetrahydrofuran
Concen: 8.504 ppbv
RT: 3.069 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 42 Resp: 15873

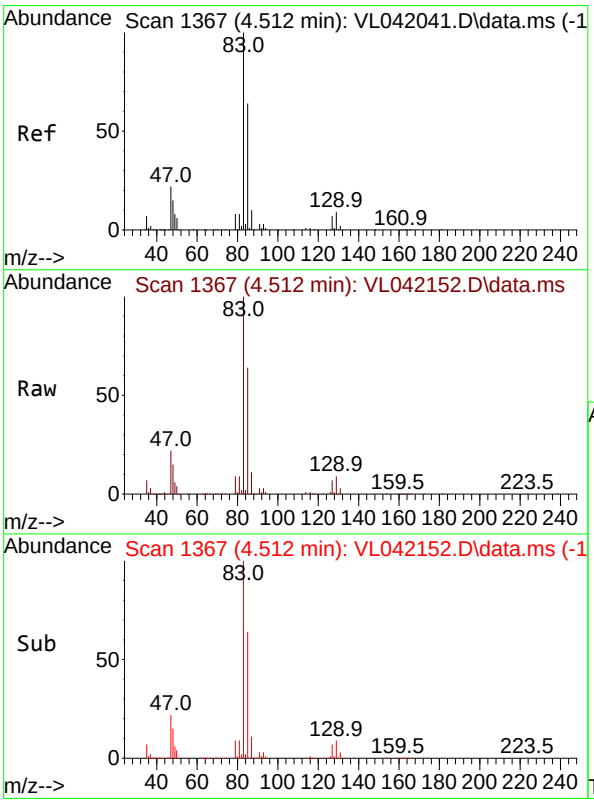
Ion	Ratio	Lower	Upper
42	100		
72	35.5	30.2	45.2
71	34.1	28.2	42.4



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

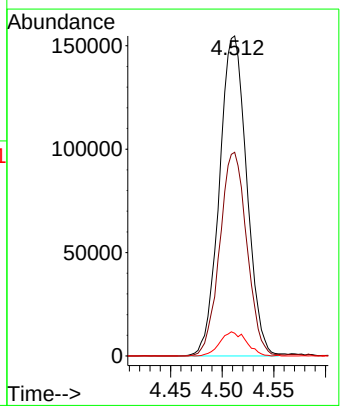
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

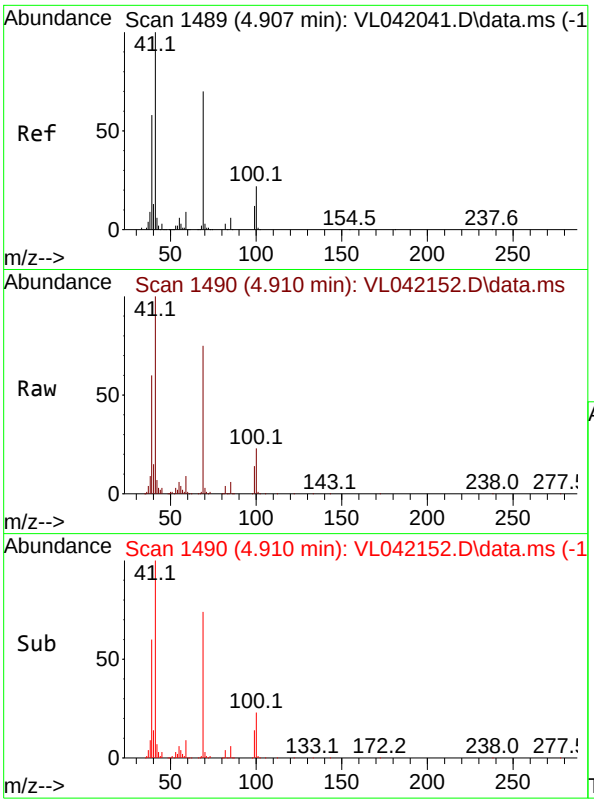


#42
Bromodichloromethane
Concen: 8.966 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 83 Resp: 284311

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2
127	7.1	5.8	8.6

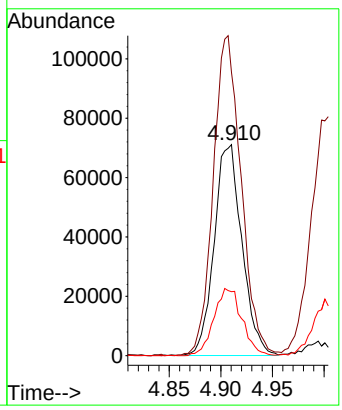




#43
Methyl Methacrylate
Concen: 8.013 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 69 Resp: 13284

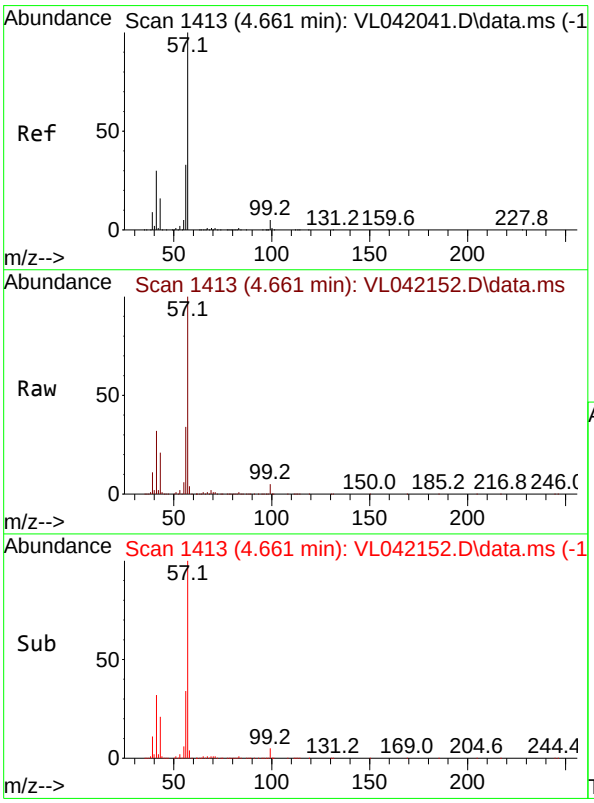
Ion	Ratio	Lower	Upper
69	100		
41	152.1	118.2	177.4
100	32.5	27.0	40.4



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

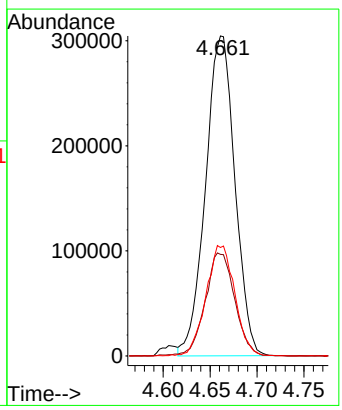
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

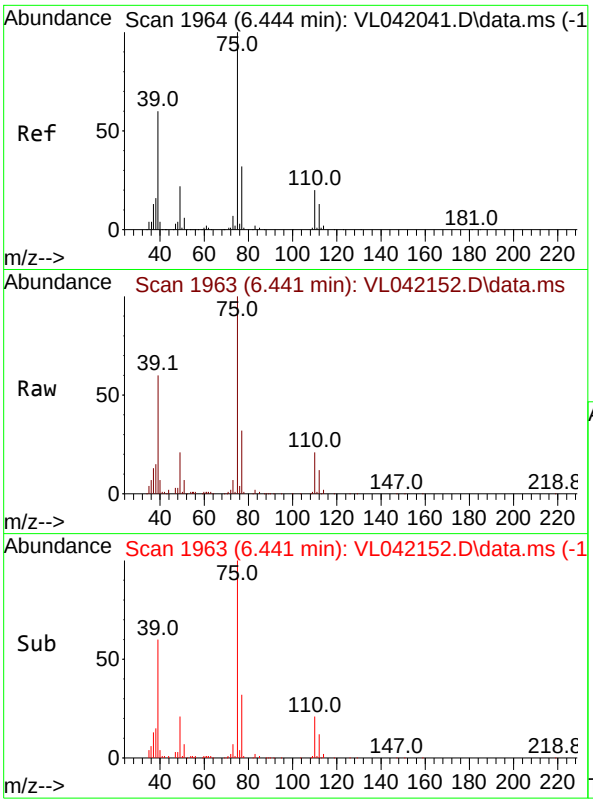


#44
2,2,4-Trimethylpentane
Concen: 8.845 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 57 Resp: 662648

Ion	Ratio	Lower	Upper
57	100		
41	32.6	24.4	36.6
56	34.0	26.5	39.7

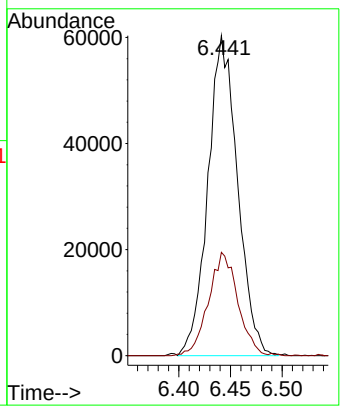




#45
t-1,3-Dichloropropene
Concen: 7.308 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 75 Resp: 12037

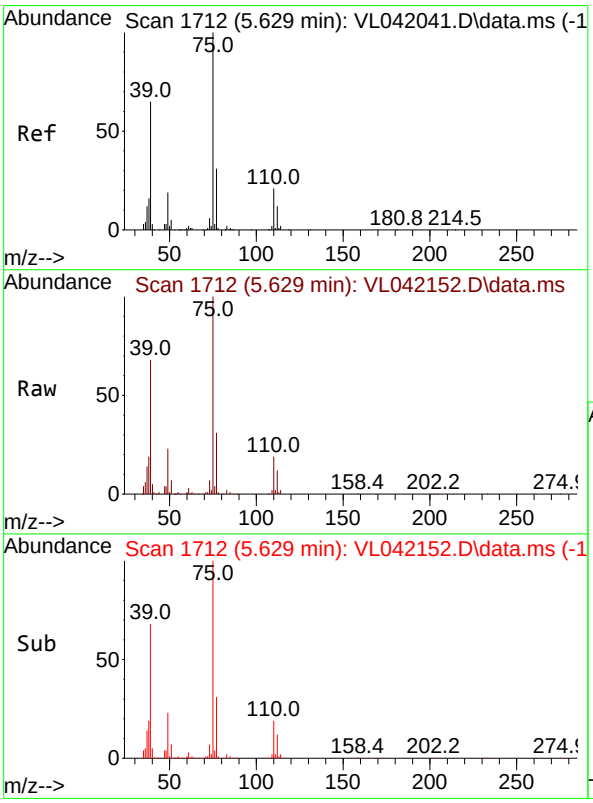
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

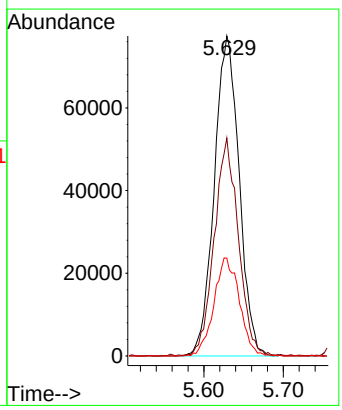
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

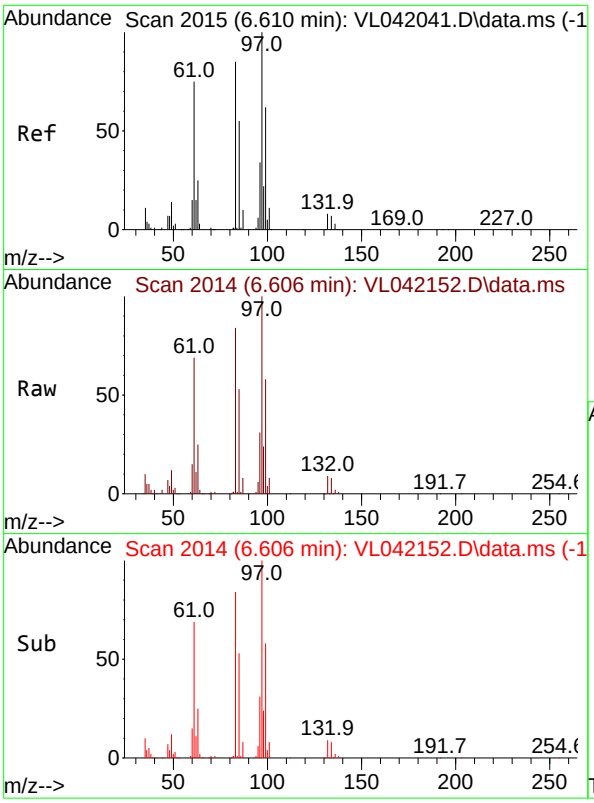


#46
cis-1,3-Dichloropropene
Concen: 7.885 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 75 Resp: 168060

Ion	Ratio	Lower	Upper
75	100		
39	67.8	51.9	77.9
77	30.5	24.9	37.3

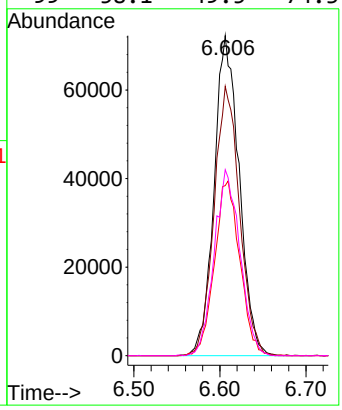




#47
1,1,2-Trichloroethane
Concen: 8.915 ppbv
RT: 6.606 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 97 Resp: 14583

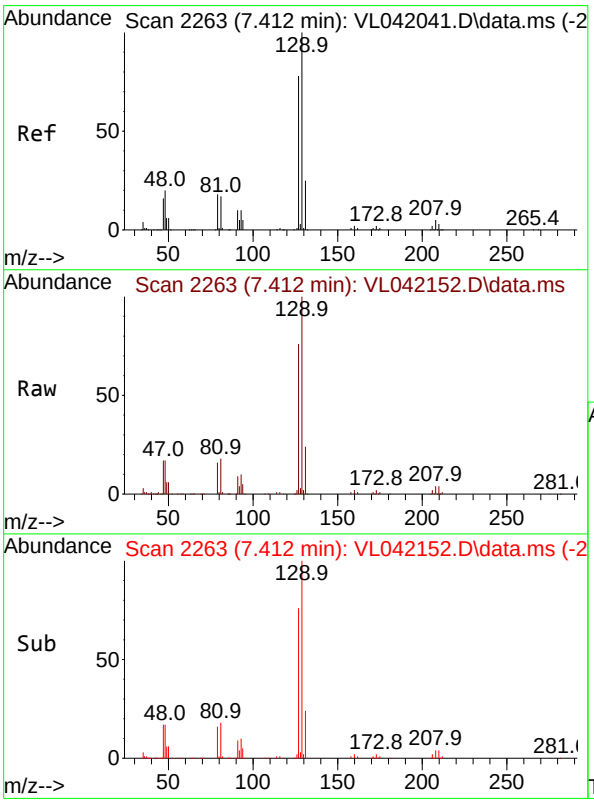
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.1	102.1
85	53.2	44.0	66.0
99	58.1	49.5	74.3



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

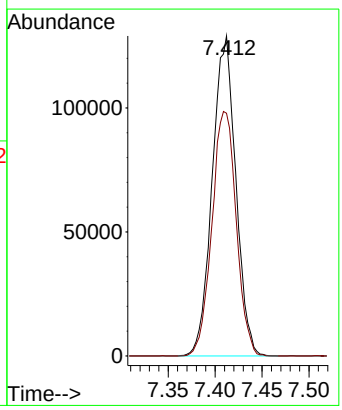
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

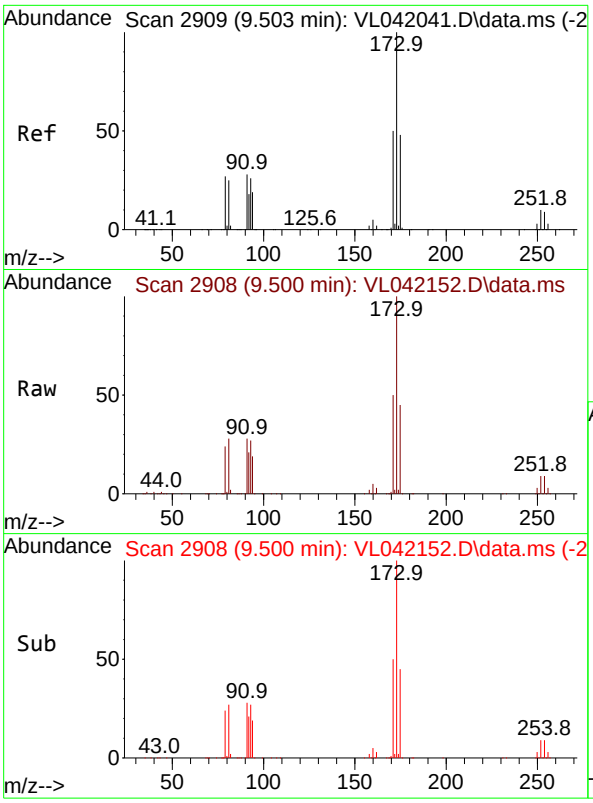


#48
Dibromochloromethane
Concen: 8.777 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:129 Resp: 224861

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.6	115.8

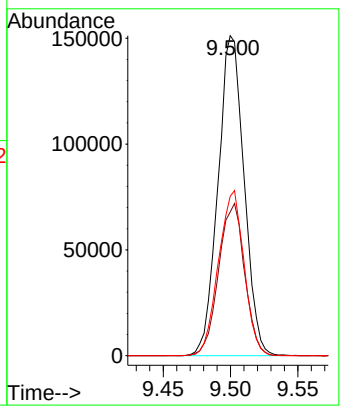




#49
Bromoform
Concen: 9.150 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:173 Resp: 20357

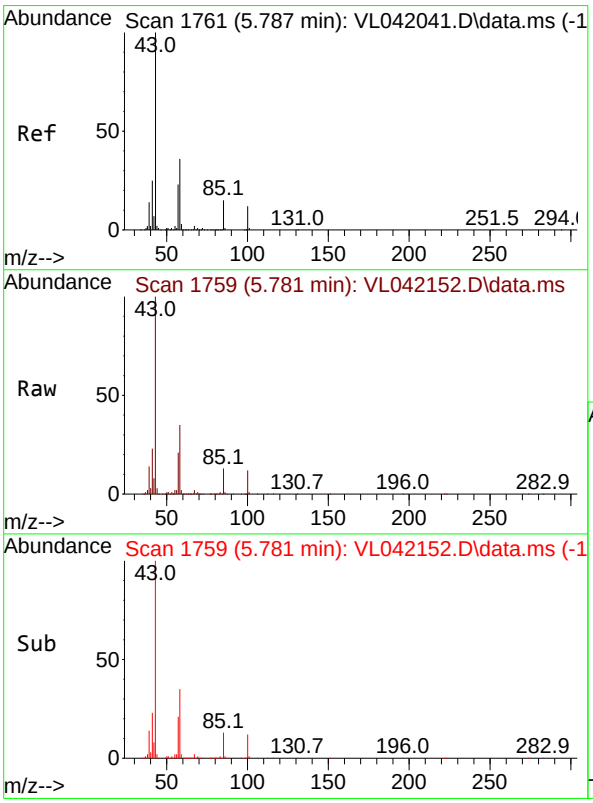
Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.3	57.5
171	50.6	40.2	60.2



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

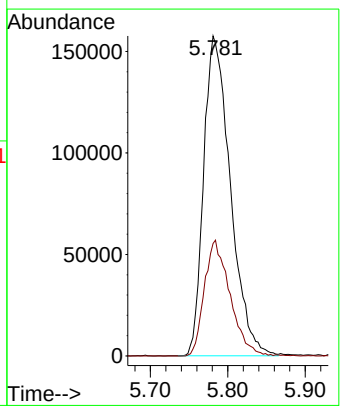
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

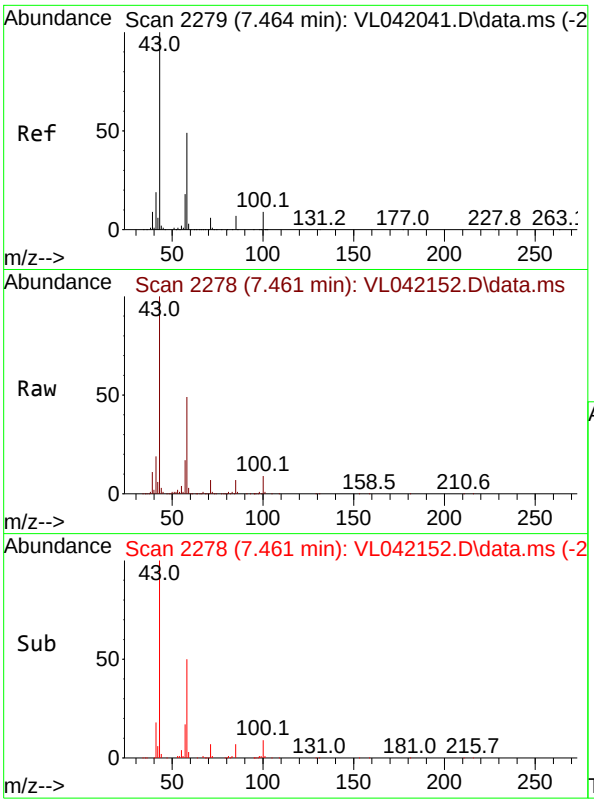


#50
4-Methyl-2-Pentanone
Concen: 9.252 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. -0.007 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 378000

Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.3	43.9





#51
2-Hexanone
Concen: 10.306 ppbv
RT: 7.461 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

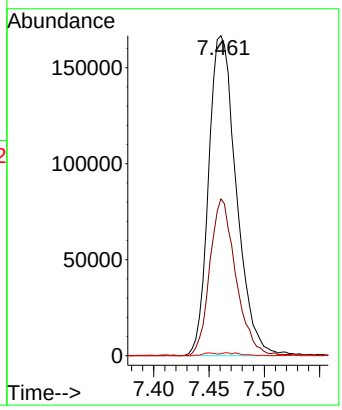
Tgt Ion: 43 Resp: 28981

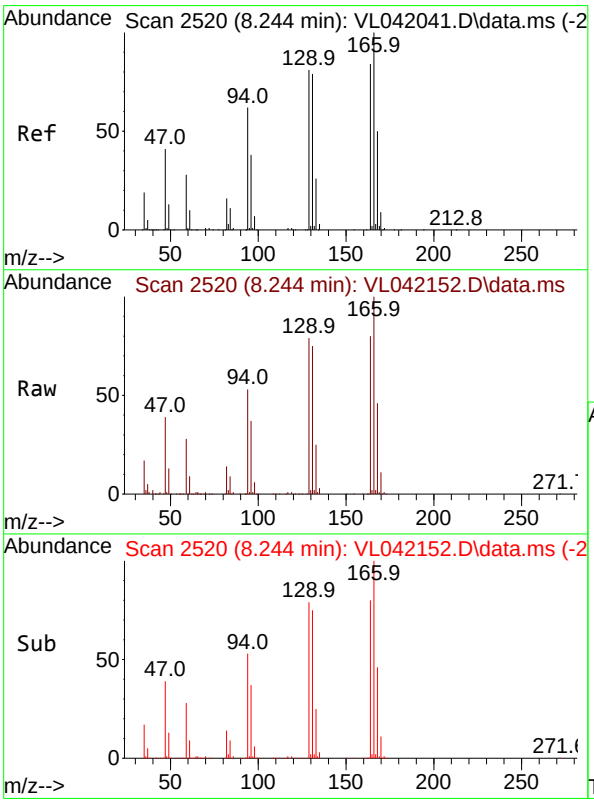
Ion	Ratio	Lower	Upper
43	100		
58	46.3	39.0	58.6
98	1.1	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

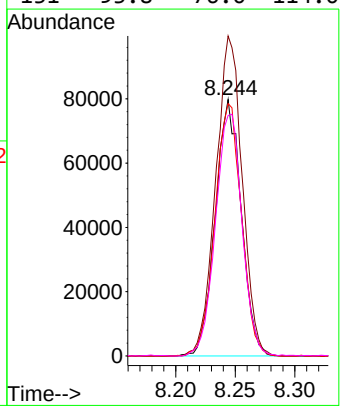


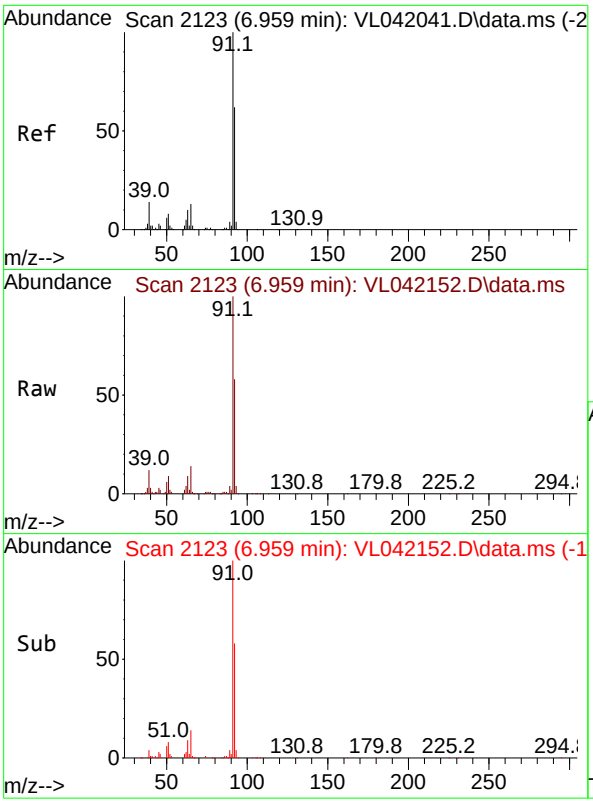


#52
Tetrachloroethene
Concen: 8.341 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:164 Resp: 121217

Ion	Ratio	Lower	Upper
164	100		
166	124.7	95.7	143.5
129	98.4	77.1	115.7
131	93.8	76.0	114.0

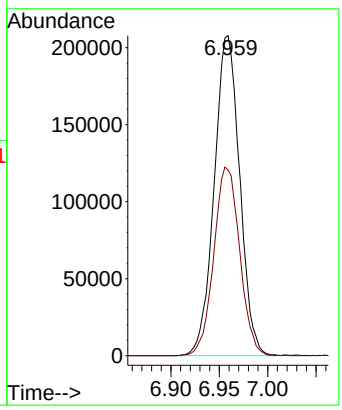




#53
Toluene
Concen: 8.019 ppbv
RT: 6.959 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 38044

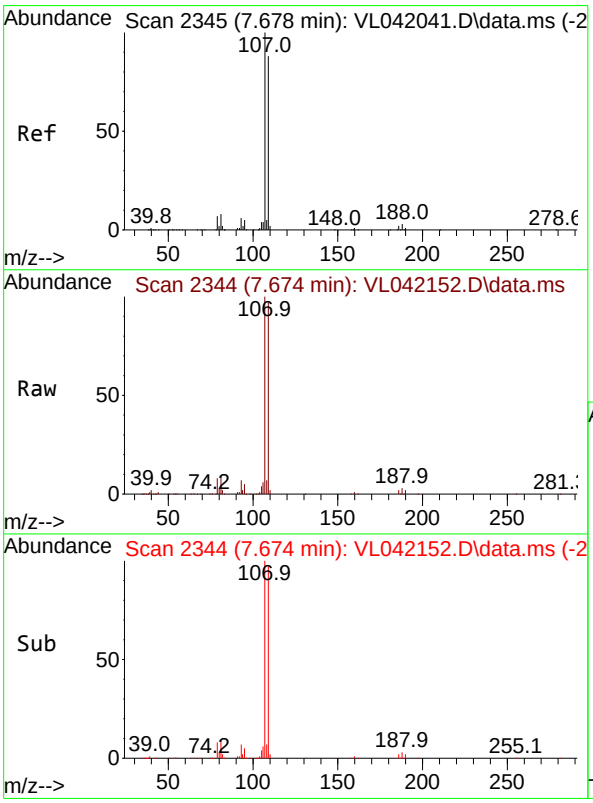
Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.0	73.6



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

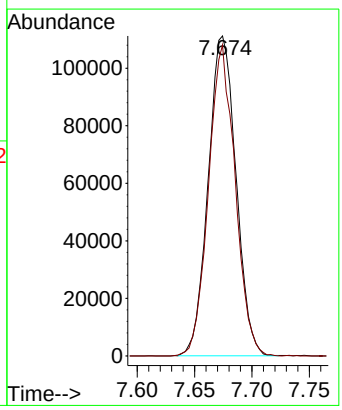
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

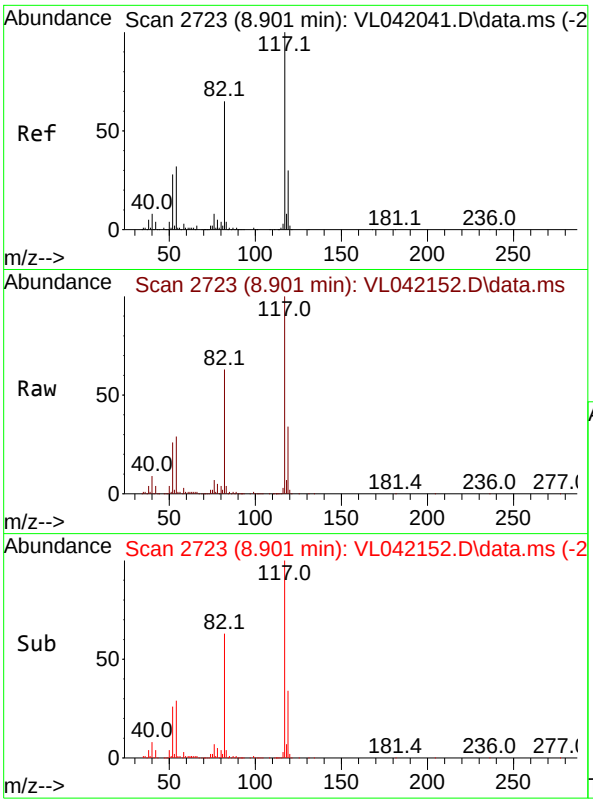


#54
1,2-Dibromoethane
Concen: 8.477 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:107 Resp: 187462

Ion	Ratio	Lower	Upper
107	100		
109	97.2	70.2	105.4

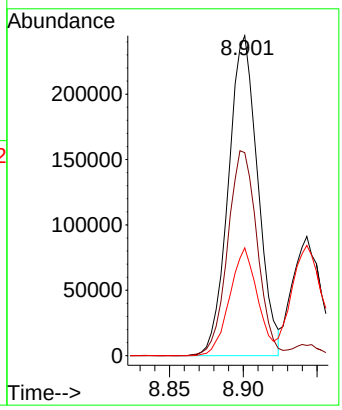




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:117 Resp: 339099

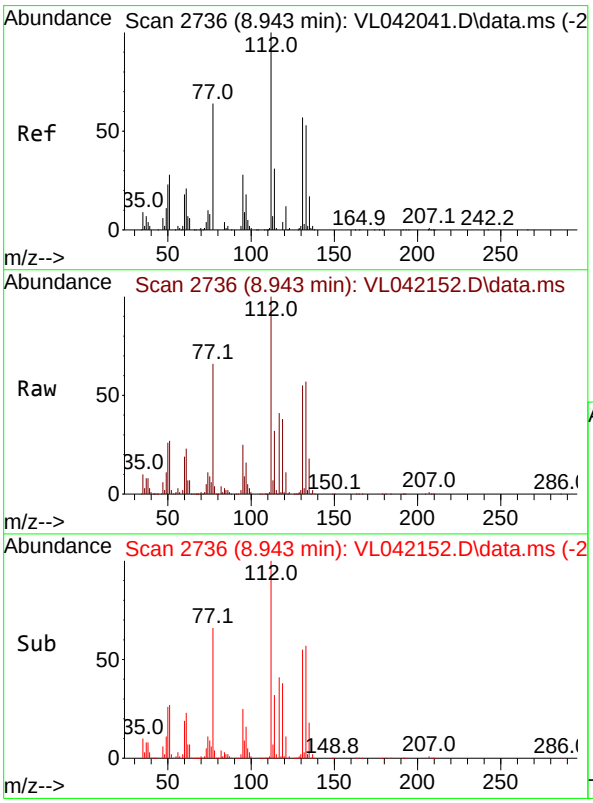
Ion	Ratio	Lower	Upper
117	100		
82	67.6	55.0	82.6
119	31.3	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

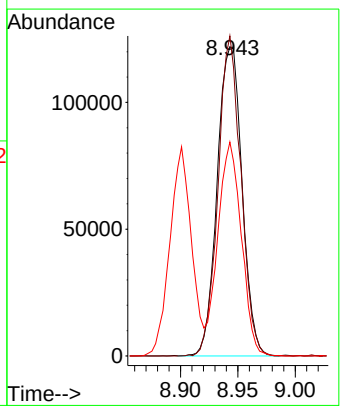
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

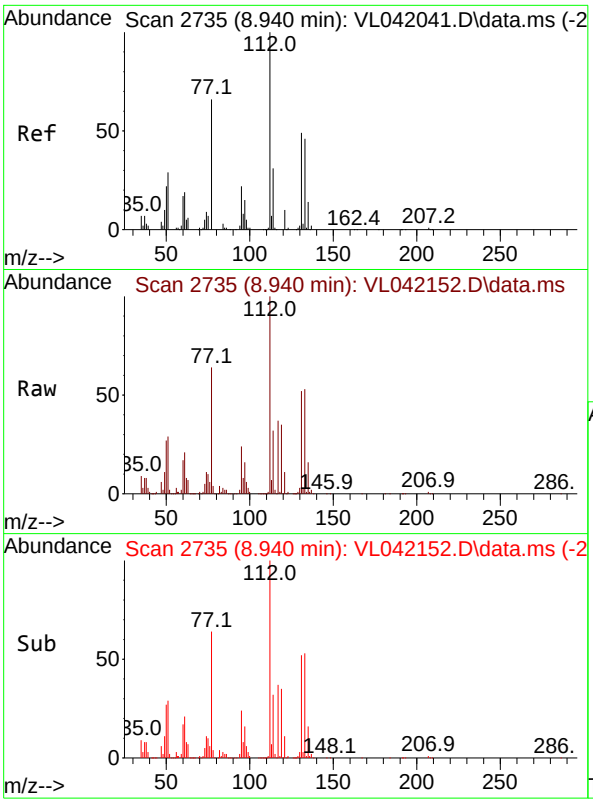


#56
1,1,1,2-Tetrachloroethane
Concen: 9.593 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:131 Resp: 183855

Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.8	113.8
119	65.4	52.1	78.1

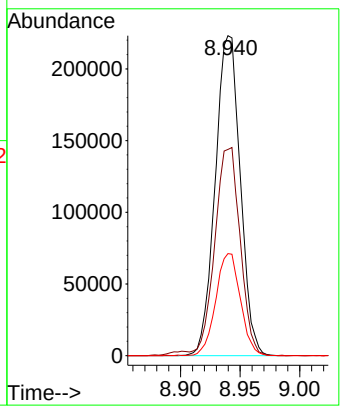




#57
Chlorobenzene
Concen: 9.267 ppbv
RT: 8.940 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:112 Resp: 32582

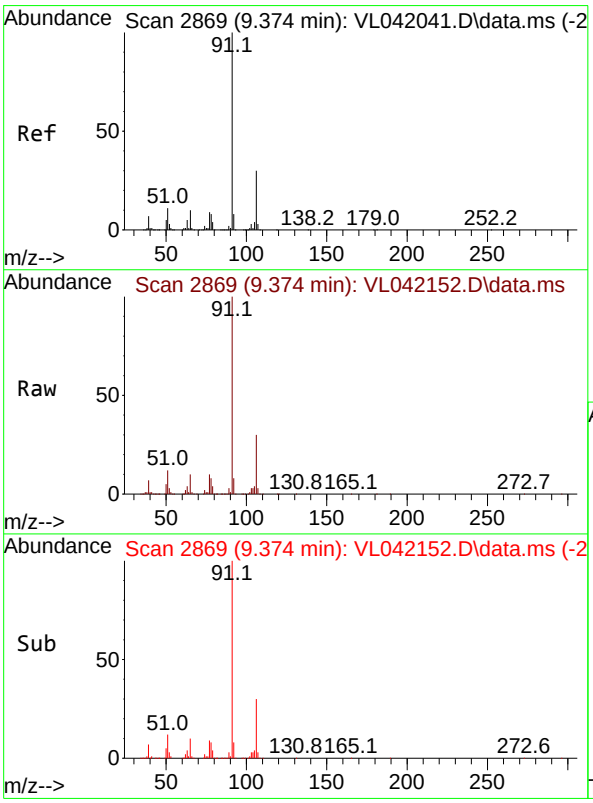
Ion	Ratio	Lower	Upper
112	100		
77	64.4	53.4	80.2
114	31.9	28.3	34.5



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

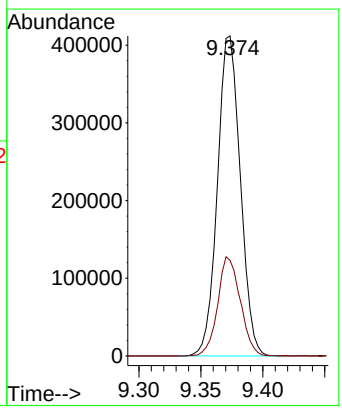
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

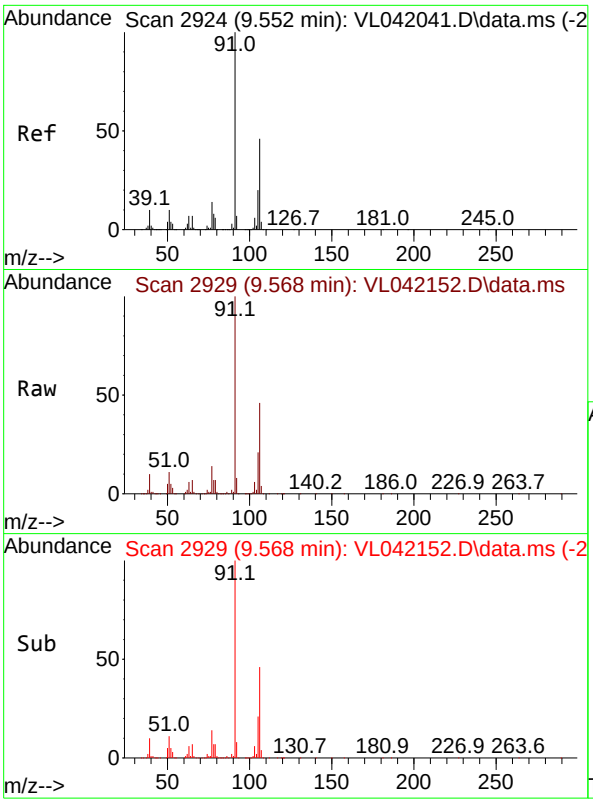


#58
Ethyl Benzene
Concen: 8.496 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 530577

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2

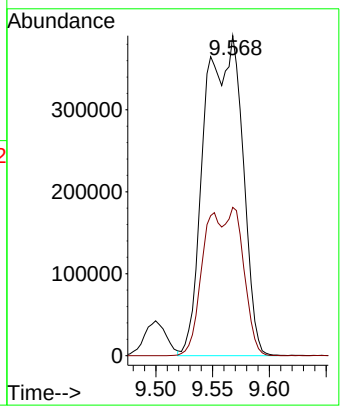




#59
m/p-Xylene
Concen: 18.332 ppbv m
RT: 9.568 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 91106

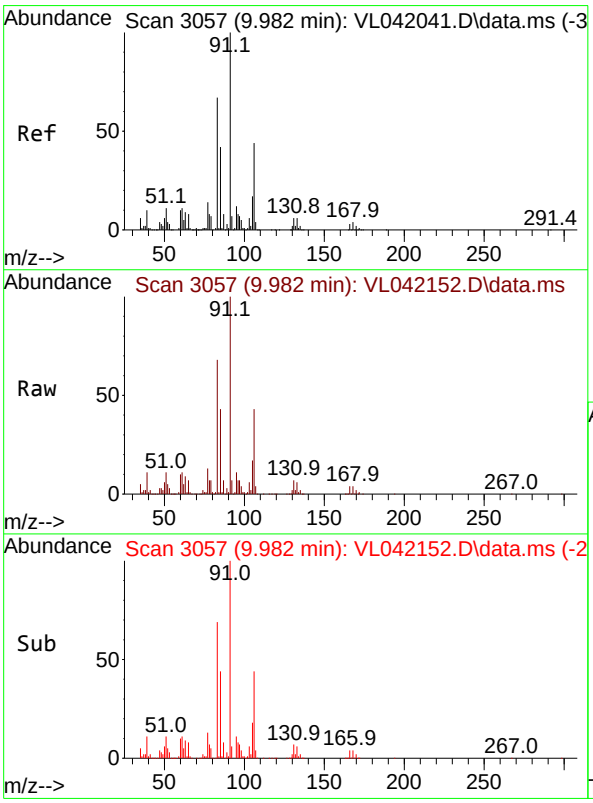
Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

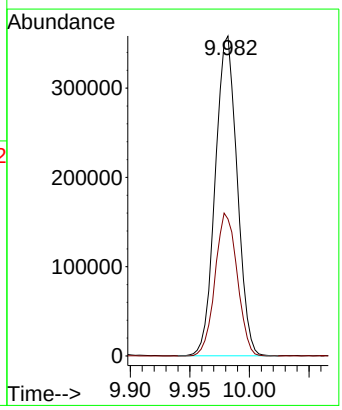
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

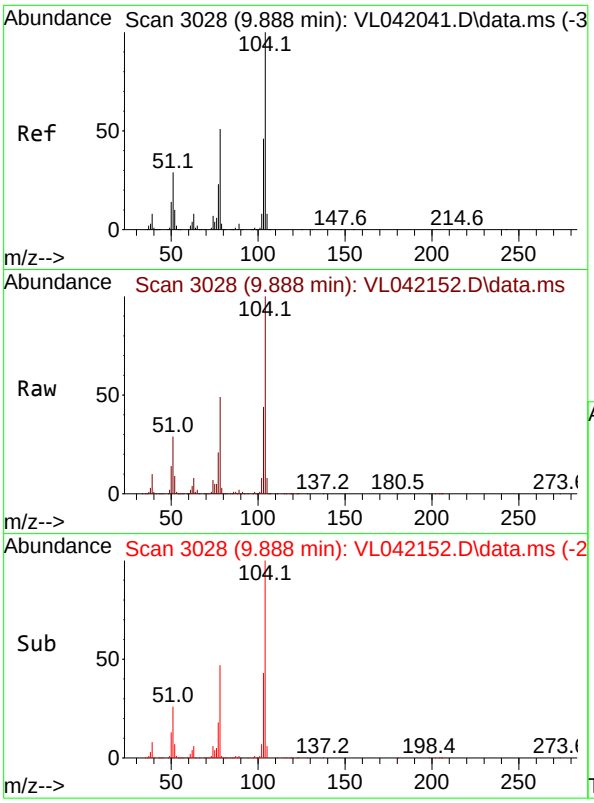


#60
o-Xylene
Concen: 9.148 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 457063

Ion	Ratio	Lower	Upper
91	100		
106	45.3	22.3	66.8

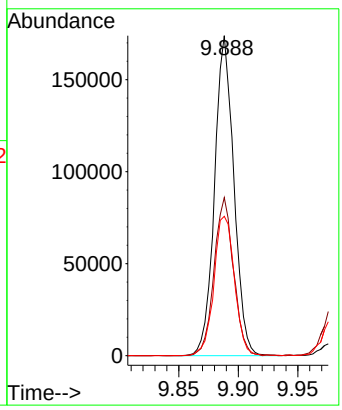




#61
Styrene
Concen: 8.334 ppbv
RT: 9.888 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:104 Resp: 19575

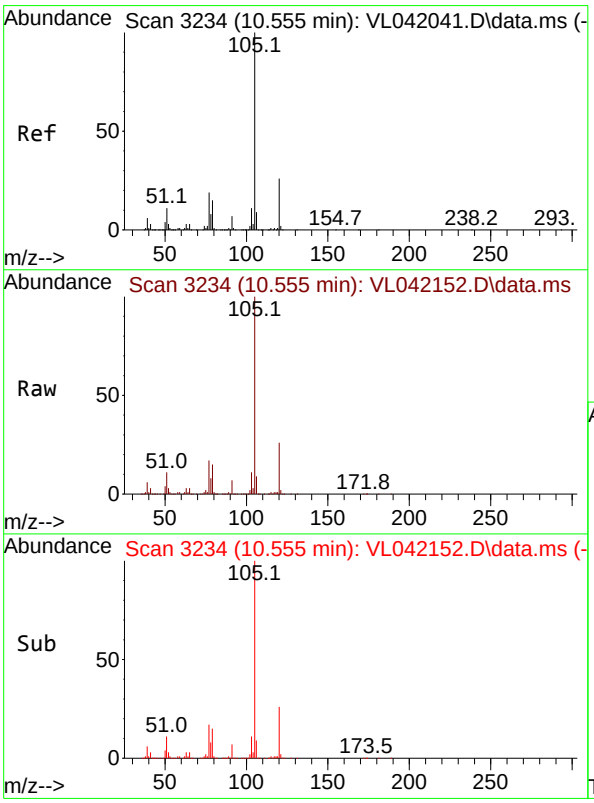
Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.0	61.4
103	46.5	37.0	55.6



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

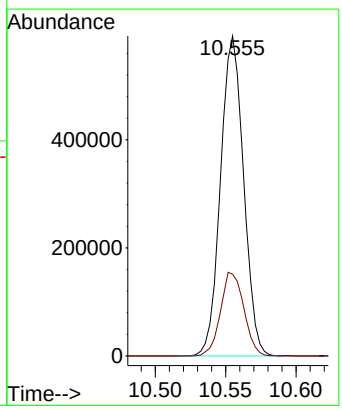
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

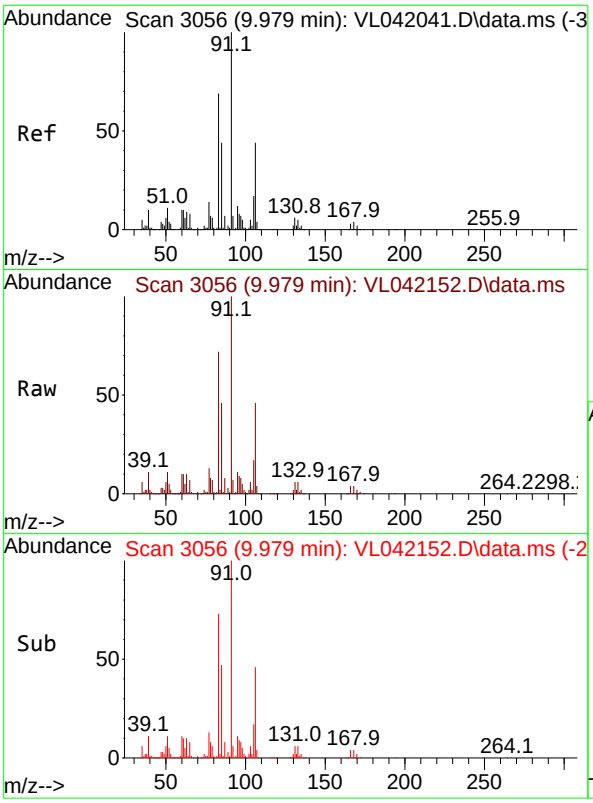


#62
Isopropylbenzene
Concen: 9.020 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 674921

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.7	31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 9.864 ppbv
RT: 9.979 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

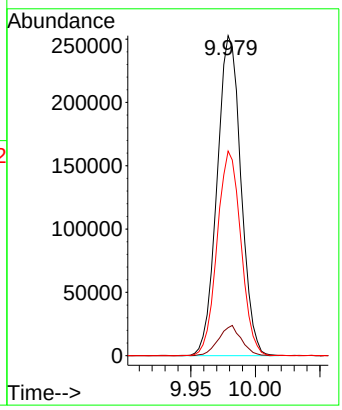
Tgt Ion: 83 Resp: 32455

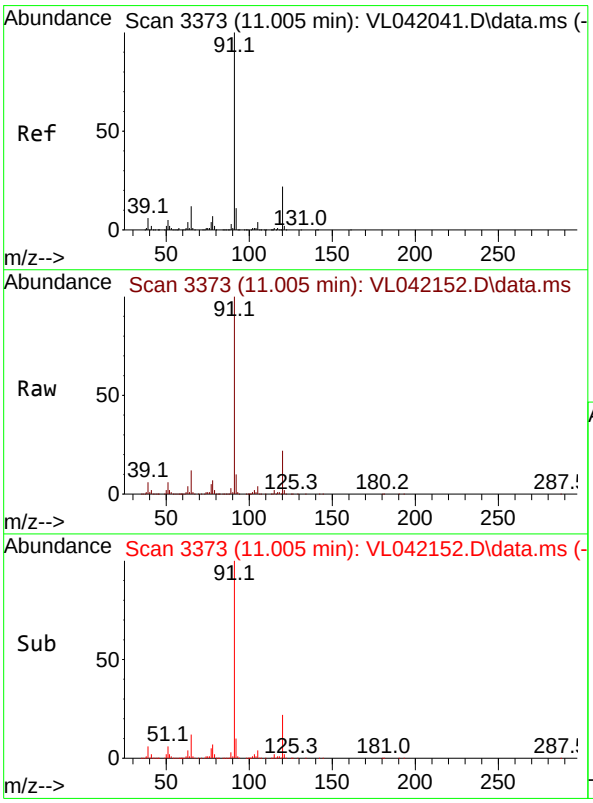
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	63.7	32.1	96.3

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

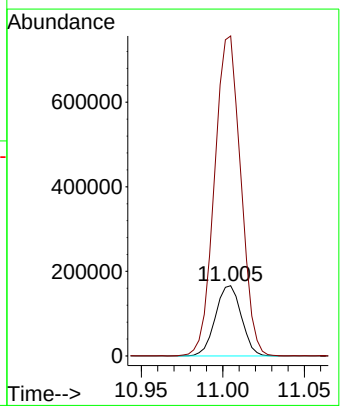


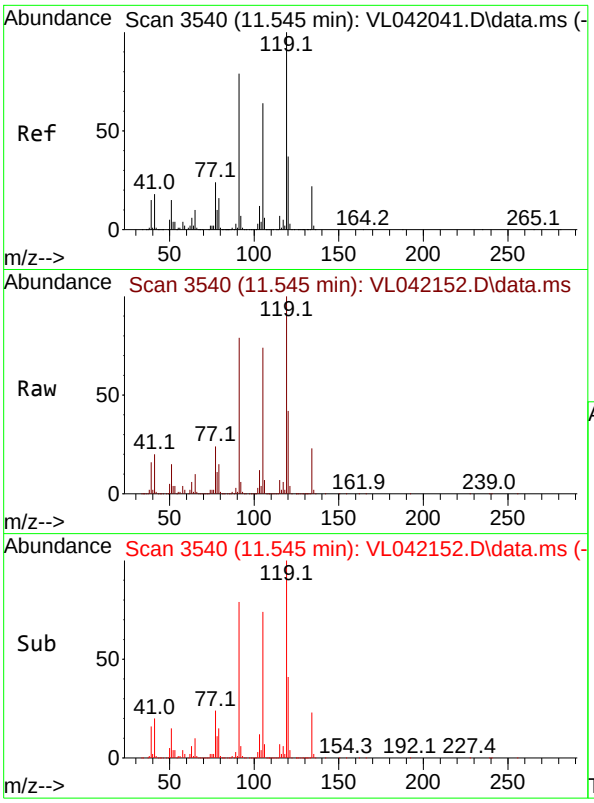


#64
n-propylbenzene
Concen: 9.363 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:120 Resp: 183756

Ion	Ratio	Lower	Upper
120	100		
91	462.1	370.6	556.0





#65
tert-Butylbenzene
Concen: 9.165 ppbv
RT: 11.545 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

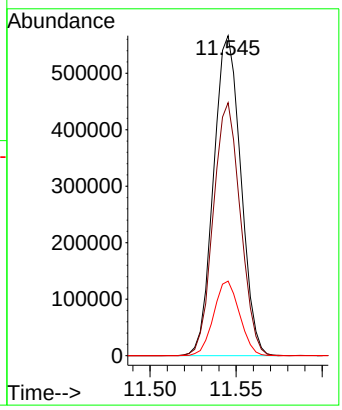
Tgt Ion:119 Resp: 62407

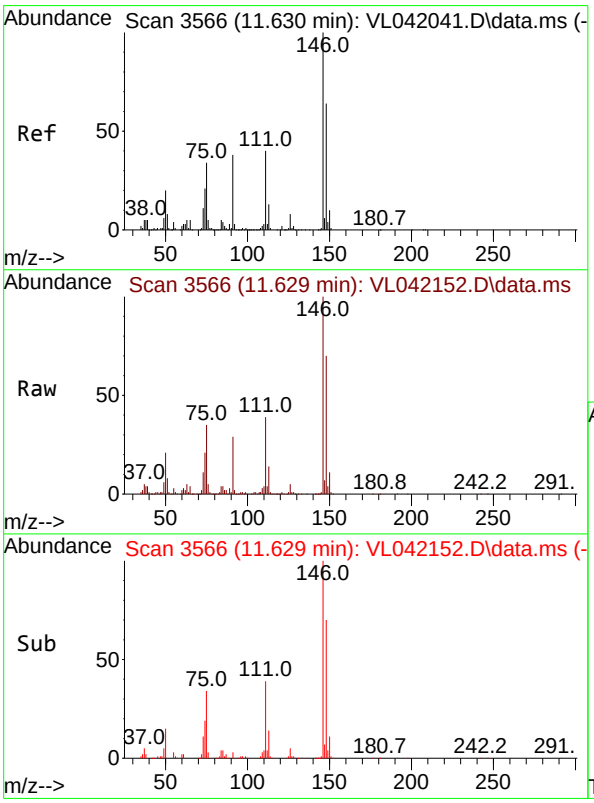
Ion	Ratio	Lower	Upper
119	100		
91	78.6	64.2	96.2
134	22.2	17.4	26.2

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

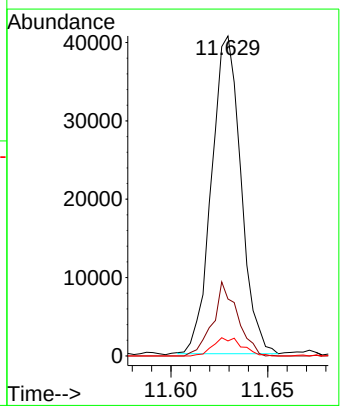


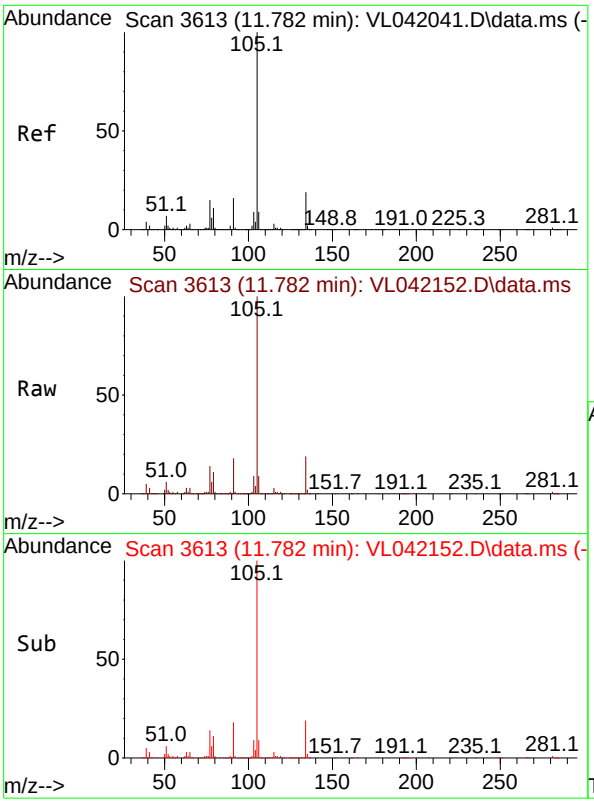


#66
Benzyl Chloride
Concen: 8.233 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 42782

Ion	Ratio	Lower	Upper
91	100		
126	19.6	14.5	21.7
128	5.7	5.4	8.2

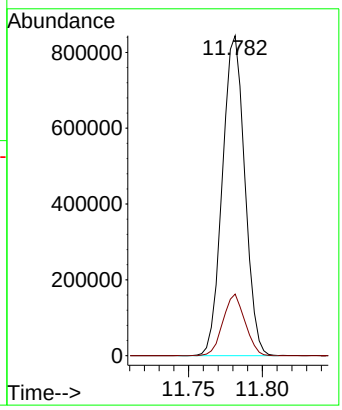




#67
sec-Butylbenzene
Concen: 9.153 ppbv
RT: 11.782 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 89136

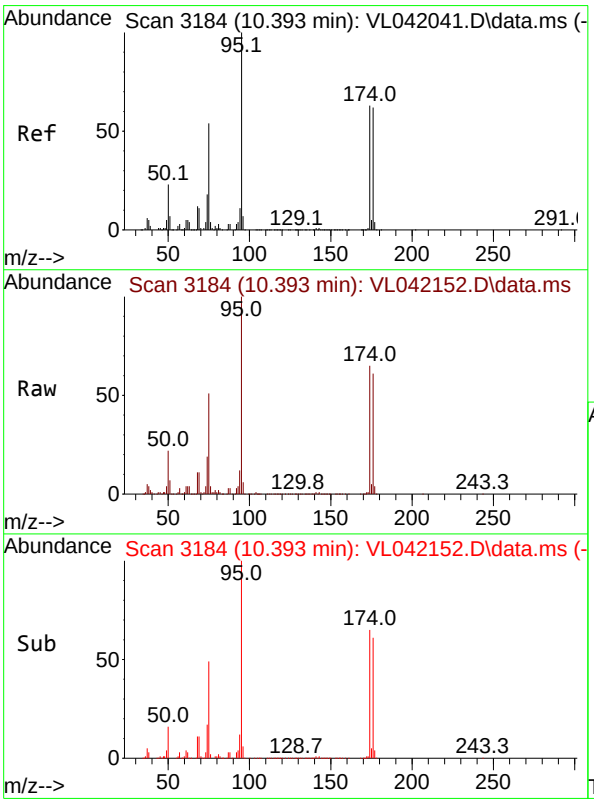
Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

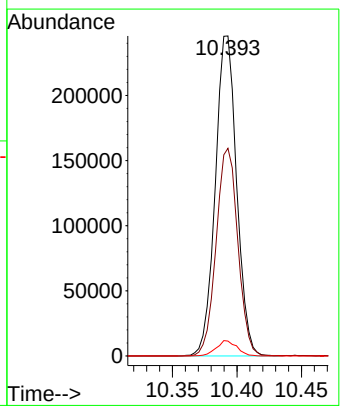
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

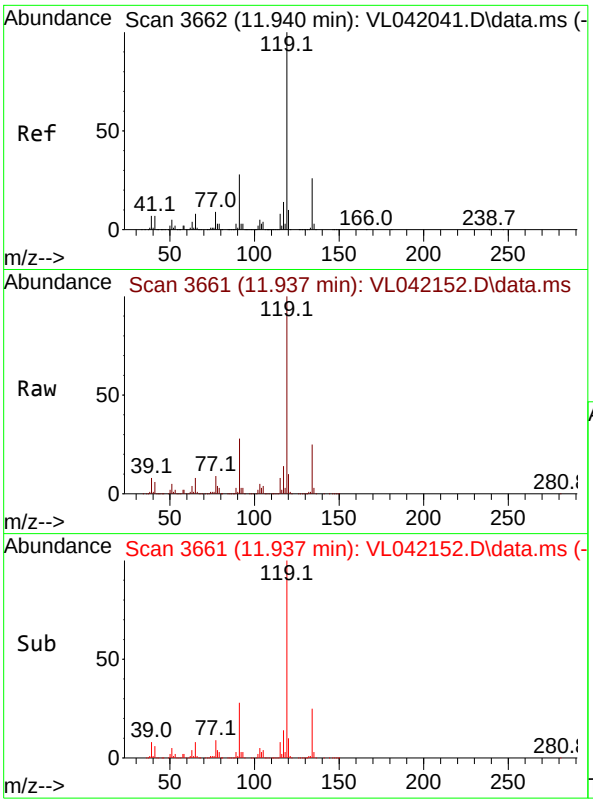


#68
1-Bromo-4-Fluorobenzene
Concen: 10.844 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 95 Resp: 282890

Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.8	77.6
175	4.6	3.9	5.9

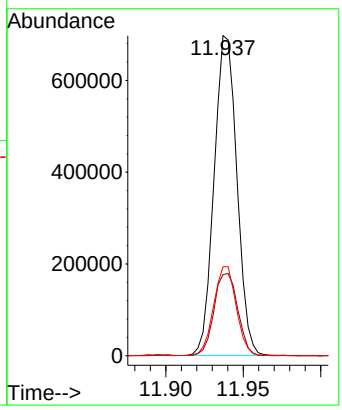




#69
p-Isopropyltoluene
Concen: 9.204 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:119 Resp: 71317

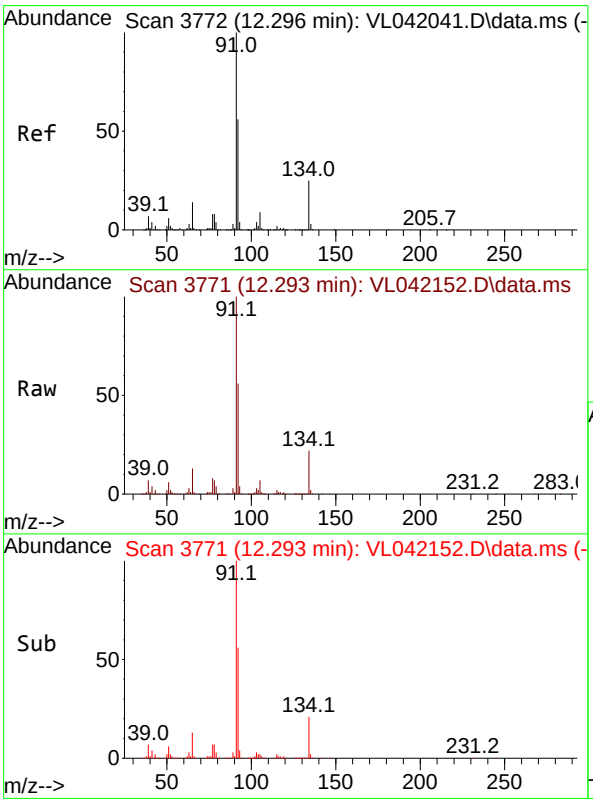
Ion	Ratio	Lower	Upper
119	100		
134	26.9	20.9	31.3
91	27.8	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

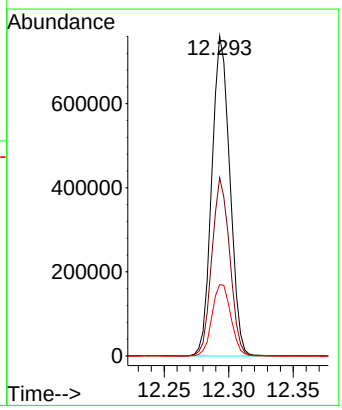
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

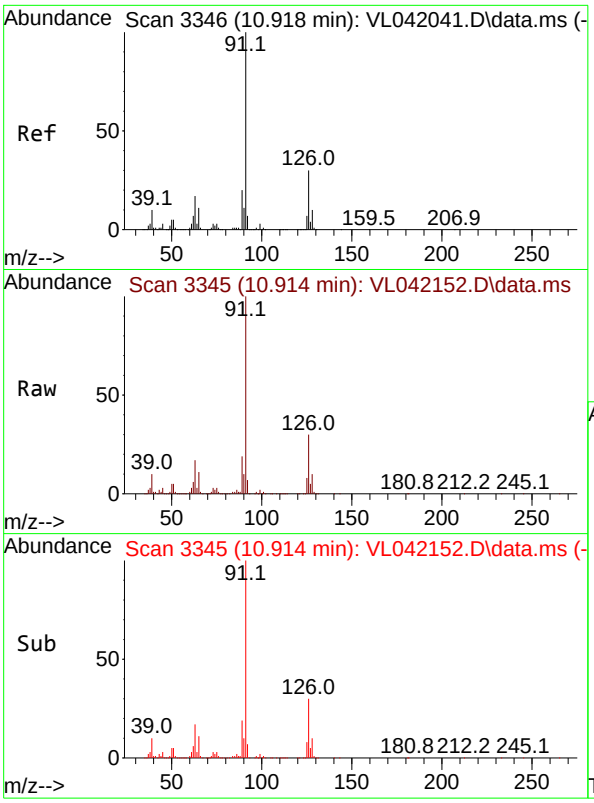


#70
n-Butylbenzene
Concen: 9.359 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 740235

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.7	67.1
134	23.3	18.9	28.3

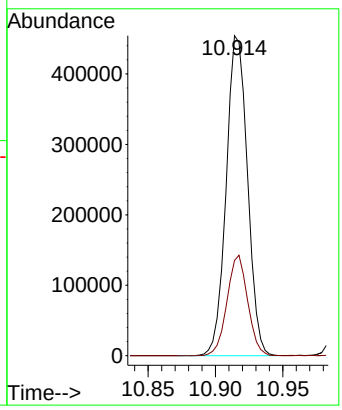




#71
2-Chlorotoluene
Concen: 8.648 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 49882

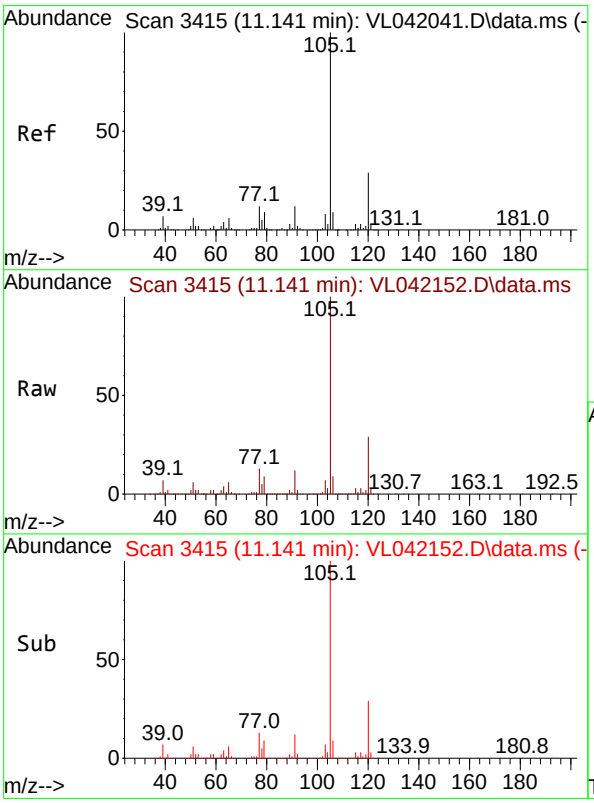
Ion	Ratio	Lower	Upper
91	100		
126	30.5	11.9	47.5



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

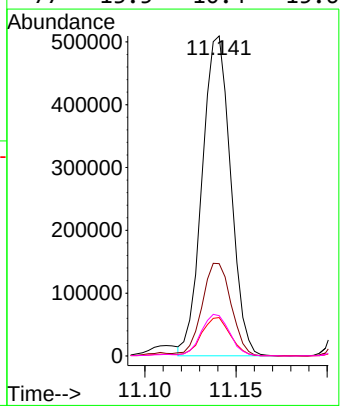
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

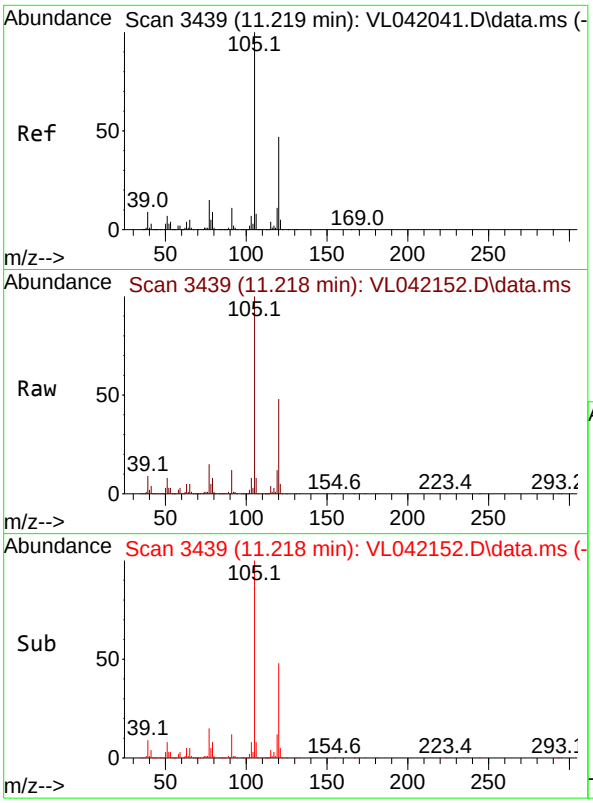


#72
4-Ethyltoluene
Concen: 9.080 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 553863

Ion	Ratio	Lower	Upper
105	100		
120	30.6	24.1	36.1
91	12.8	10.2	15.4
77	13.5	10.4	15.6

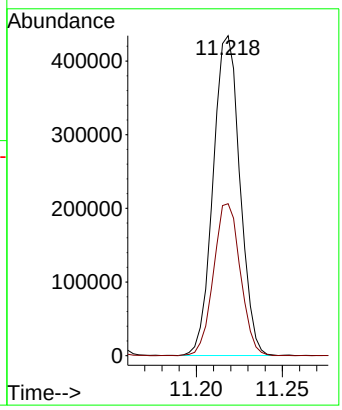




#73
1,3,5-Trimethylbenzene
Concen: 8.891 ppbv
RT: 11.218 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 47047

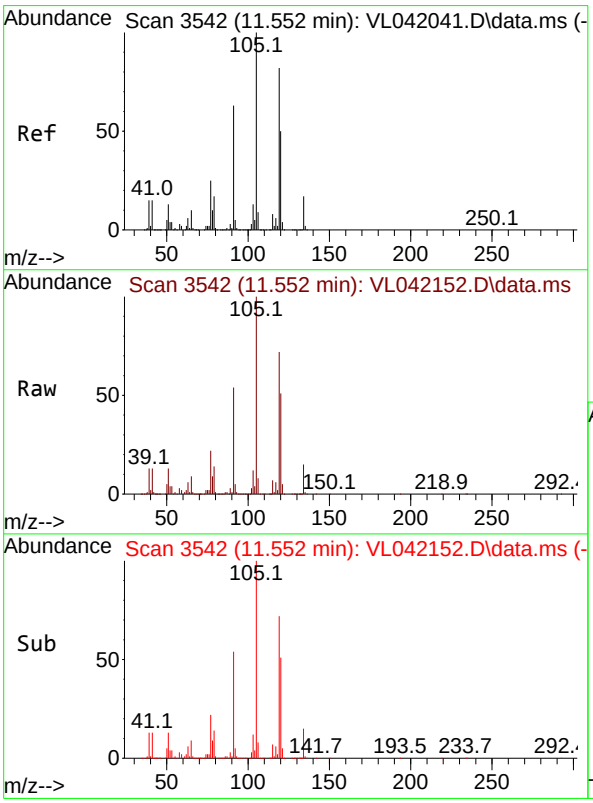
Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

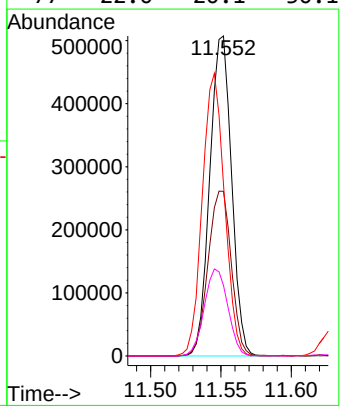
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

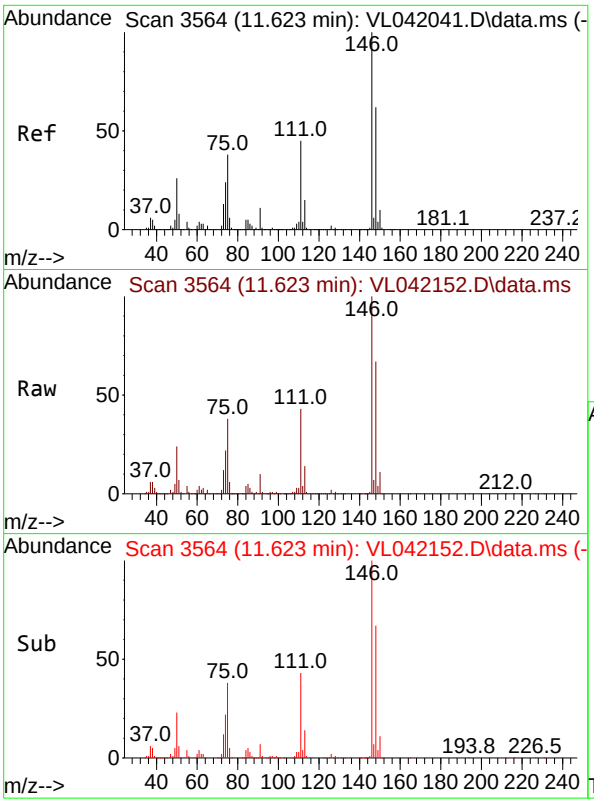


#74
1,2,4-Trimethylbenzene
Concen: 9.173 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 546537

Ion	Ratio	Lower	Upper
105	100		
120	51.4	40.2	60.2
91	53.6	51.4	77.2
77	22.0	20.1	30.1

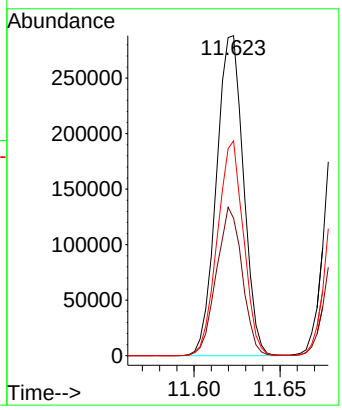




#75
1,3-Dichlorobenzene
Concen: 9.193 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:146 Resp: 31523

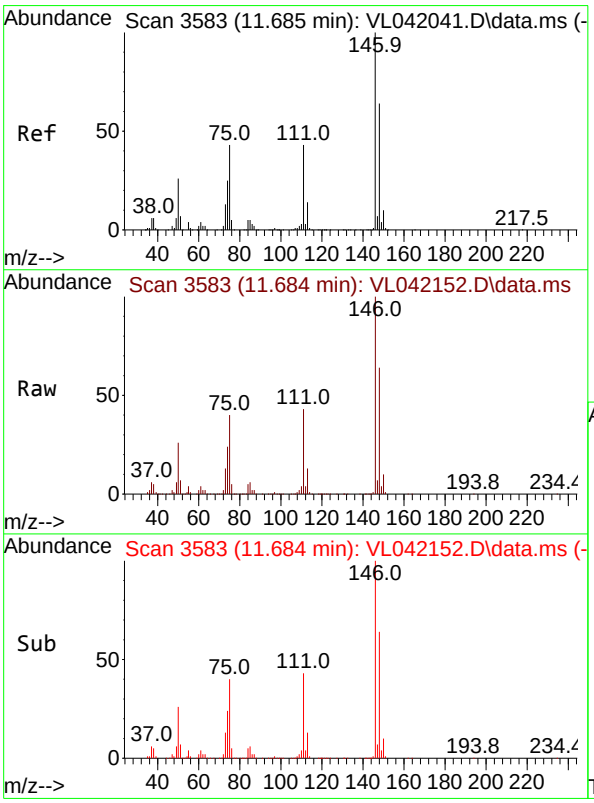
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.4	67.2
148	65.0	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

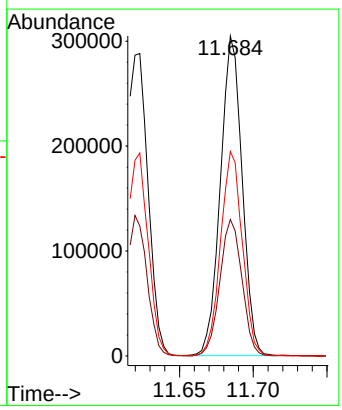
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

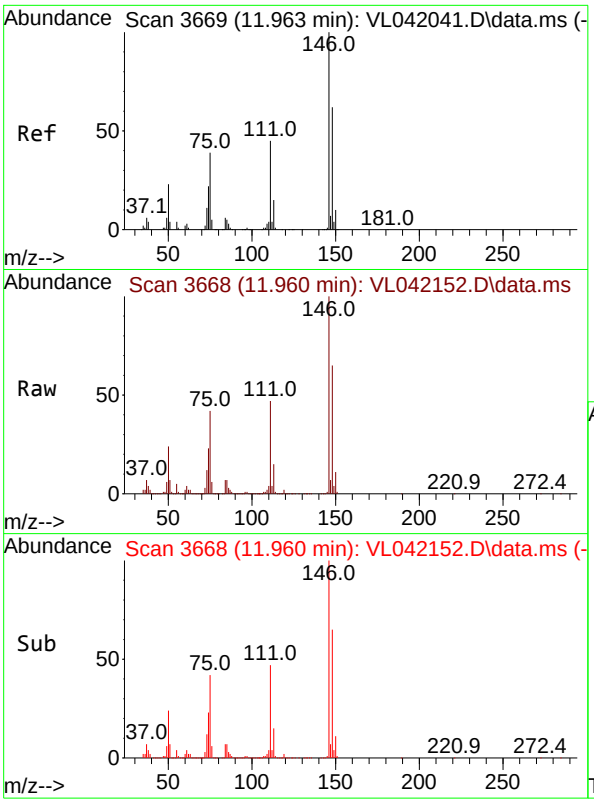


#76
1,4-Dichlorobenzene
Concen: 9.170 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:146 Resp: 312196

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.1	31.6	95.0

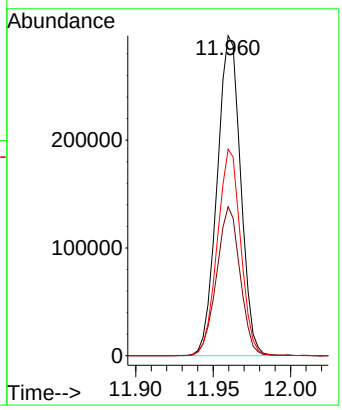




#77
1,2-Dichlorobenzene
Concen: 9.436 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:146 Resp: 31399

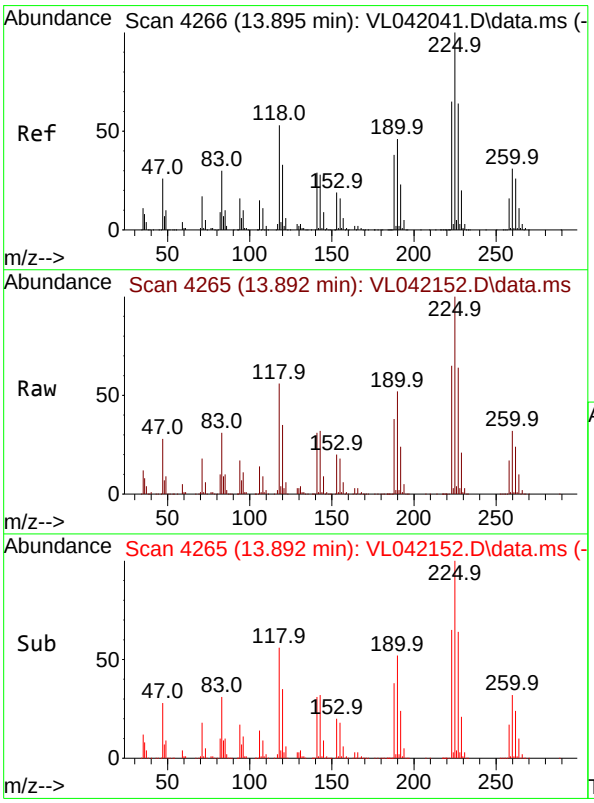
Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.2	69.6
148	63.9	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

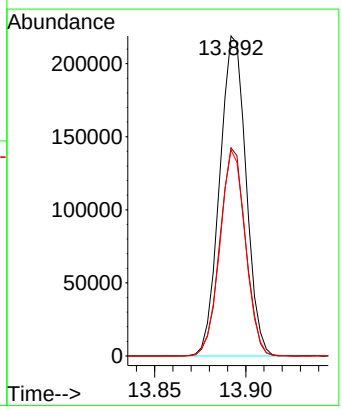
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

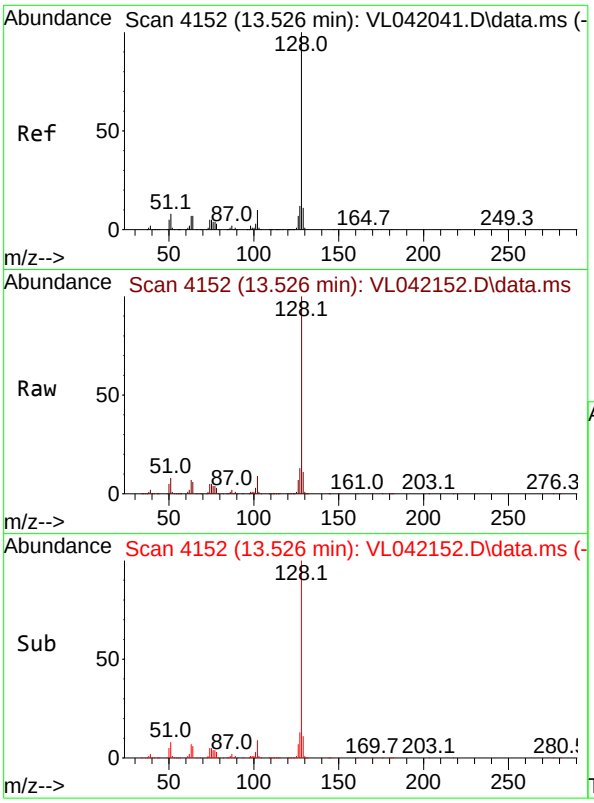


#78
Hexachloro-1,3-Butadiene
Concen: 8.487 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:225 Resp: 219764

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.2
227	62.5	50.8	76.2

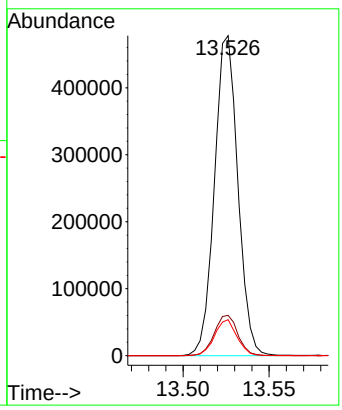




#79
Naphthalene
Concen: 11.049 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:128 Resp: 45142

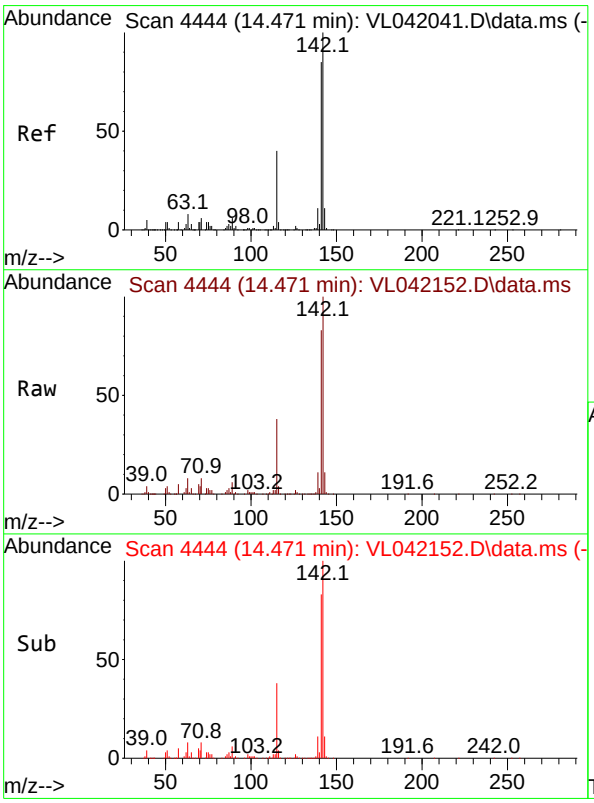
Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.8	14.6
129	11.2	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

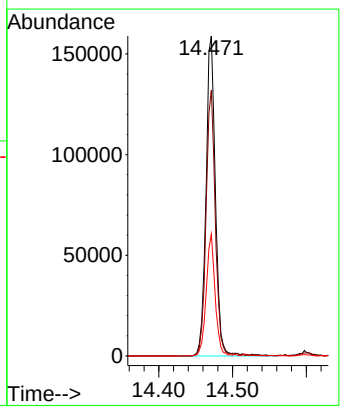
Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

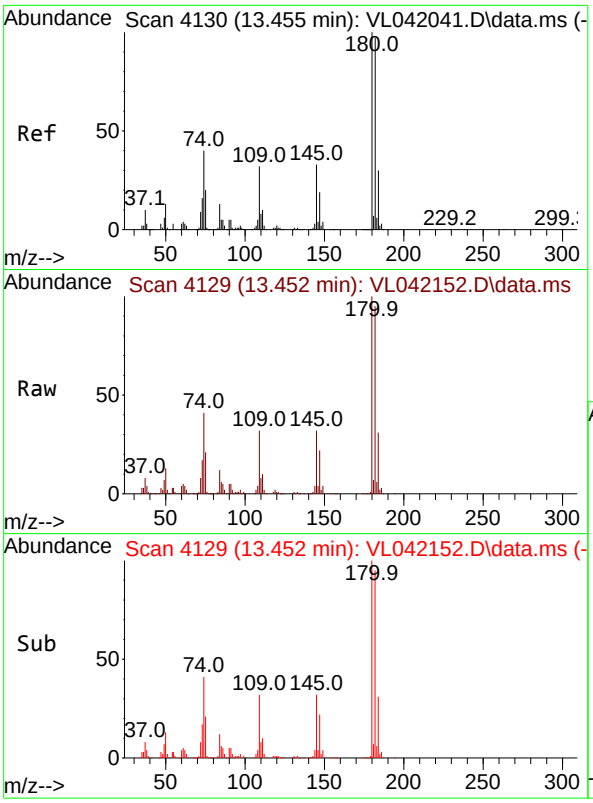


#80
Naphthalene,2-methyl-
Concen: 12.529 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:142 Resp: 140075

Ion	Ratio	Lower	Upper
142	100		
141	82.4	65.8	98.6
115	36.9	29.5	44.3

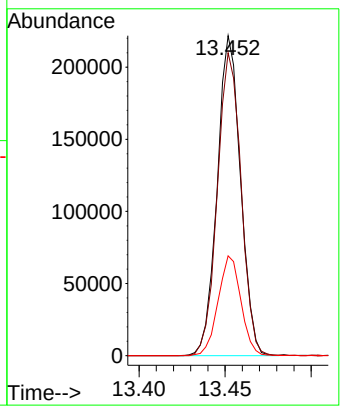




#81
1,2,4-Trichlorobenzene
Concen: 9.192 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:180 Resp: 20928

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.1	112.7
184	30.6	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025
Supervised By :Mahesh Dadoda 03/18/2025

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

Manual Integration Report

Sequence:	vl022525	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042041.D	m/p-Xylene	MMDadoda	3/6/2025 1:12:13 AM	SAM	3/6/2025 1:24:10 AM	Peak Integrated by Software
VSTDICC002	VL042042.D	m/p-Xylene	SAM	2/26/2025 7:41:55 AM	MMDadoda	2/26/2025 1:45:07 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	1,1,2-Trichloroethane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	1,4-Dioxane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	4-Methyl-2-Pentanone	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	Benzyl Chloride	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	cis-1,3-Dichloropropene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	Ethanol	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	Heptane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	m/p-Xylene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	t-1,3-Dichloropropene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC001	VL042043.D	trans-1,2-Dichloroethene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	1,1,2-Trichloroethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vl022525	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042044.D	1,2-Dibromoethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	1,2-Dichloropropane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	1,4-Dioxane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	2-Hexanone	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	4-Methyl-2-Pentanone	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	cis-1,3-Dichloropropene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	Dibromochloromethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	m/p-Xylene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	t-1,3-Dichloropropene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.5	VL042044.D	trans-1,2-Dichloroethene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software
VSTDICC0.1	VL042045.D	1,1,2,2-Tetrachloroethane	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042045.D	1,2-Dibromoethane	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042045.D	Carbon Tetrachloride	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vl022525	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL042045.D	Tetrachloroethene	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software
VSTDICC0.1	VL042045.D	Trichloroethene	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software
VSTDICC0.03	VL042046.D	1,1,1-Trichloroethane	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software
VSTDICC0.03	VL042046.D	1,1,2,2-Tetrachloroethane	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software
VSTDICC0.03	VL042046.D	Carbon Tetrachloride	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software
VSTDICC0.03	VL042046.D	Tetrachloroethene	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software
VSTDICC0.03	VL042046.D	Trichloroethene	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software
VSTDICC015	VL042047.D	m/p-Xylene	SAM	2/26/2025 7:42:16 AM	MMDadoda	2/26/2025 1:45:16 PM	Peak Integrated by Software
VSTDICV010	VL042048.D	m/p-Xylene	SAM	2/26/2025 7:42:09 AM	MMDadoda	2/26/2025 1:45:17 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL031725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042150.D	m/p-Xylene	SAM	3/18/2025 8:21:13 AM	MMDadoda	3/18/2025 1:56:42 PM	Peak Integrated by Software
VL0317ABS01	VL042152.D	m/p-Xylene	SAM	3/18/2025 8:21:23 AM	MMDadoda	3/18/2025 1:56:43 PM	Peak Integrated by Software
Q1586-01	VL042154.D	Propene	SAM	3/18/2025 8:23:13 AM	MMDadoda	3/18/2025 1:56:47 PM	Peak Integrated by Software
Q1586-01	VL042154.D	Trichloroethene	SAM	3/18/2025 8:23:13 AM	MMDadoda	3/18/2025 1:56:47 PM	Peak Integrated by Software
Q1586-01DL	VL042155.D	2-Butanone	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software
Q1586-01DL	VL042155.D	Ethanol	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software
Q1586-01DL	VL042155.D	o-Xylene	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software
Q1586-01DL	VL042155.D	Propene	SAM	3/18/2025 8:21:32 AM	MMDadoda	3/18/2025 1:56:49 PM	Peak Integrated by Software
Q1586-03	VL042158.D	Bromodichloromethane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-03	VL042158.D	Chlorodifluoromethane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-03	VL042158.D	Cyclohexane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-03	VL042158.D	Heptane	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-03	VL042158.D	m/p-Xylene	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL031725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1586-03	VL042158.D	Tetrahydrofuran	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-03	VL042158.D	Toluene	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-03	VL042158.D	Trichloroethene	SAM	3/18/2025 8:23:22 AM	MMDadoda	3/18/2025 1:56:52 PM	Peak Integrated by Software
Q1586-02	VL042159.D	Carbon Tetrachloride	SAM	3/18/2025 8:23:27 AM	MMDadoda	3/18/2025 1:56:55 PM	Peak Integrated by Software
Q1586-02	VL042159.D	Propene	SAM	3/18/2025 8:23:27 AM	MMDadoda	3/18/2025 1:56:55 PM	Peak Integrated by Software
Q1586-02DUP	VL042160.D	Benzene	SAM	3/18/2025 8:23:32 AM	MMDadoda	3/18/2025 1:56:57 PM	Peak Integrated by Software
Q1586-02DUP	VL042160.D	Carbon Tetrachloride	SAM	3/18/2025 8:23:32 AM	MMDadoda	3/18/2025 1:56:57 PM	Peak Integrated by Software
Q1586-02DUP	VL042160.D	Chlorodifluoromethane	SAM	3/18/2025 8:23:32 AM	MMDadoda	3/18/2025 1:56:57 PM	Peak Integrated by Software
Q1586-02DUP	VL042160.D	Tetrachloroethene	SAM	3/18/2025 8:23:32 AM	MMDadoda	3/18/2025 1:56:57 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL022525

Review By	Semsettin Yesilyurt	Review On	2/26/2025 8:27:25 AM				
Supervise By	Mahesh Dadoda	Supervise On	2/26/2025 1:45:21 PM				
SubDirectory	VL022525	HP Acquire Method	TO15AIR.M	HP Processing Method	VL022525AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2576
Initial Calibration Stds	AP2582,AP2584,AP2585
CCC	AP2582
Internal Standard/PEM	AP2576
ICV/I.BLK	AP2586
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042040.D	25 Feb 2025 07:56	SY/MD	Ok
2	VSTDICCC010	VL042041.D	25 Feb 2025 08:56	SY/MD	Ok,M
3	VSTDICC002	VL042042.D	25 Feb 2025 09:29	SY/MD	Ok,M
4	VSTDICC001	VL042043.D	25 Feb 2025 10:00	SY/MD	Ok,M
5	VSTDICC0.5	VL042044.D	25 Feb 2025 10:31	SY/MD	Ok,M
6	VSTDICC0.1	VL042045.D	25 Feb 2025 11:03	SY/MD	Ok,M
7	VSTDICC0.03	VL042046.D	25 Feb 2025 11:34	SY/MD	Ok,M
8	VSTDICC015	VL042047.D	25 Feb 2025 12:07	SY/MD	Ok,M
9	VSTDICV010	VL042048.D	25 Feb 2025 13:15	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL031725

Review By	Mahesh Dadoda	Review On	3/18/2025 1:57:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/18/2025 1:57:44 PM		
SubDirectory	VL031725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL022525AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2588
Initial Calibration Stds	AP2582,AP2584,AP2585
CCC	AP2582
Internal Standard/PEM	AP2588
ICV/I.BLK	AP2586
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042149.D	17 Mar 2025 09:09	SY/MD	Ok
2	VSTDCCC010	VL042150.D	17 Mar 2025 09:55	SY/MD	Ok,M
3	VL0317ABL01	VL042151.D	17 Mar 2025 10:50	SY/MD	Ok
4	VL0317ABS01	VL042152.D	17 Mar 2025 11:38	SY/MD	Ok,M
5	CAN 10326	VL042153.D	17 Mar 2025 12:20	SY/MD	Not Ok
6	Q1586-01	VL042154.D	17 Mar 2025 12:51	SY/MD	Dilution
7	Q1586-01DL	VL042155.D	17 Mar 2025 13:37	SY/MD	Dilution
8	Q1586-02	VL042156.D	17 Mar 2025 14:09	SY/MD	Not Ok
9	Q1586-03DL	VL042157.D	17 Mar 2025 14:41	SY/MD	Ok
10	Q1586-03	VL042158.D	17 Mar 2025 15:19	SY/MD	Dilution
11	Q1586-02	VL042159.D	17 Mar 2025 15:53	SY/MD	Ok,M
12	Q1586-02DUP	VL042160.D	17 Mar 2025 16:29	SY/MD	Ok,M
13	Q1586-01DL2	VL042161.D	17 Mar 2025 17:01	SY/MD	Ok
14	Q1586-01DL2	VL042162.D	17 Mar 2025 17:33	SY/MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL022525

Review By	Semsettin Yesilyurt	Review On	2/26/2025 8:27:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/26/2025 1:45:21 PM		
SubDirectory	VL022525	HP Acquire Method	TO15AIR.M	HP Processing Method	VL022525AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2576
Initial Calibration Stds	AP2582,AP2584,AP2585
CCC	AP2582
Internal Standard/PEM	AP2576
ICV/I.BLK	AP2586
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042040.D	25 Feb 2025 07:56		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042041.D	25 Feb 2025 08:56		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042042.D	25 Feb 2025 09:29		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042043.D	25 Feb 2025 10:00		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042044.D	25 Feb 2025 10:31		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042045.D	25 Feb 2025 11:03		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042046.D	25 Feb 2025 11:34		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042047.D	25 Feb 2025 12:07		SY/MD	Ok,M
9	VSTDICV010	ICVVL022525	VL042048.D	25 Feb 2025 13:15		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL031725

Review By	Mahesh Dadoda	Review On	3/18/2025 1:57:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/18/2025 1:57:44 PM		
SubDirectory	VL031725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL022525AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2588
Initial Calibration Stds	AP2582,AP2584,AP2585
CCC	AP2582
Internal Standard/PEM	AP2588
ICV/I.BLK	AP2586
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042149.D	17 Mar 2025 09:09		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042150.D	17 Mar 2025 09:55		SY/MD	Ok,M
3	VL0317ABL01	VL0317ABL01	VL042151.D	17 Mar 2025 10:50		SY/MD	Ok
4	VL0317ABS01	VL0317ABS01	VL042152.D	17 Mar 2025 11:38		SY/MD	Ok,M
5	CAN 10326	CAN 10326	VL042153.D	17 Mar 2025 12:20	carryover	SY/MD	Not Ok
6	Q1586-01	565-SG-1	VL042154.D	17 Mar 2025 12:51	Need 40X	SY/MD	Dilution
7	Q1586-01DL	565-SG-1DL	VL042155.D	17 Mar 2025 13:37	Need 600X	SY/MD	Dilution
8	Q1586-02	557-SG-1	VL042156.D	17 Mar 2025 14:09	Need Straight Run	SY/MD	Not Ok
9	Q1586-03DL	557-SG-2DL	VL042157.D	17 Mar 2025 14:41		SY/MD	Ok
10	Q1586-03	557-SG-2	VL042158.D	17 Mar 2025 15:19	Need 10X	SY/MD	Dilution
11	Q1586-02	557-SG-1	VL042159.D	17 Mar 2025 15:53		SY/MD	Ok,M
12	Q1586-02DUP	557-SG-1DUP	VL042160.D	17 Mar 2025 16:29		SY/MD	Ok,M
13	Q1586-01DL2	565-SG-1DL2	VL042161.D	17 Mar 2025 17:01		SY/MD	Ok
14	Q1586-01DL2	565-SG-1DL2	VL042162.D	17 Mar 2025 17:33	not required	SY/MD	Not Ok

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q1586

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: VL031725,

Standard ID :
AP2582,AP2584,AP2585,AP2586,AP2588,

Chemical ID :
A1117,A1135,A1136,A1137,

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

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2582	02/24/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/15/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1136 = 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	AP2584	02/24/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/15/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2582 = Final Quantity: 30.000 psi

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

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2585	02/24/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/15/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2582 = 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	AP2586	02/24/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/15/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1137 = Final Quantity: 30.000 psi

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

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
47	Internal Standard/Surrogate Mix-80 ppbv	AP2588	02/24/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/15/2025

FROM 2.40000psi of A1135 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC275465	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

Signature:

QA 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.

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

Process Report

Order ID : Q1586

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
03/17/2025	B2502031	Q1586-02	-8.0	10609	6 L	10633		C2501001	**VL041853.D** Seq :vl010725 TUNE : VL041836.D ICAL : VL041843.D CCAL : VL041838.D MB : VL041846.D
03/17/2025	B2502031	Q1586-03	-5.1	10605	6 L	10188		C2501001	**VL041853.D** Seq :vl010725 TUNE : VL041836.D ICAL : VL041843.D CCAL : VL041838.D MB : VL041846.D
03/17/2025	B2502031	Q1586-01	-7.5	10448	6 L	10774		C2501001	**VL041853.D** Seq :vl010725 TUNE : VL041836.D ICAL : VL041843.D CCAL : VL041838.D MB : VL041846.D

Canister Cleaning

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

Canister Batch : C2501001

Type of Canister : 6 L

Cleaning Date : 01/02/2025

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
10597	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1430-05	10443	VL041853.D
10609	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1586-02	10443	VL041853.D
10445	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1450-01	10443	VL041853.D
10060	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1430-04	10443	VL041853.D
10443	-30	01/03/2025	01/07/2025	-30	01/06/2025		10443	VL041853.D
10605	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1586-03	10443	VL041853.D
10448	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1586-01	10443	VL041853.D
10320	-30	01/03/2025	01/07/2025	-30	01/06/2025	Q1430-03	10443	VL041853.D

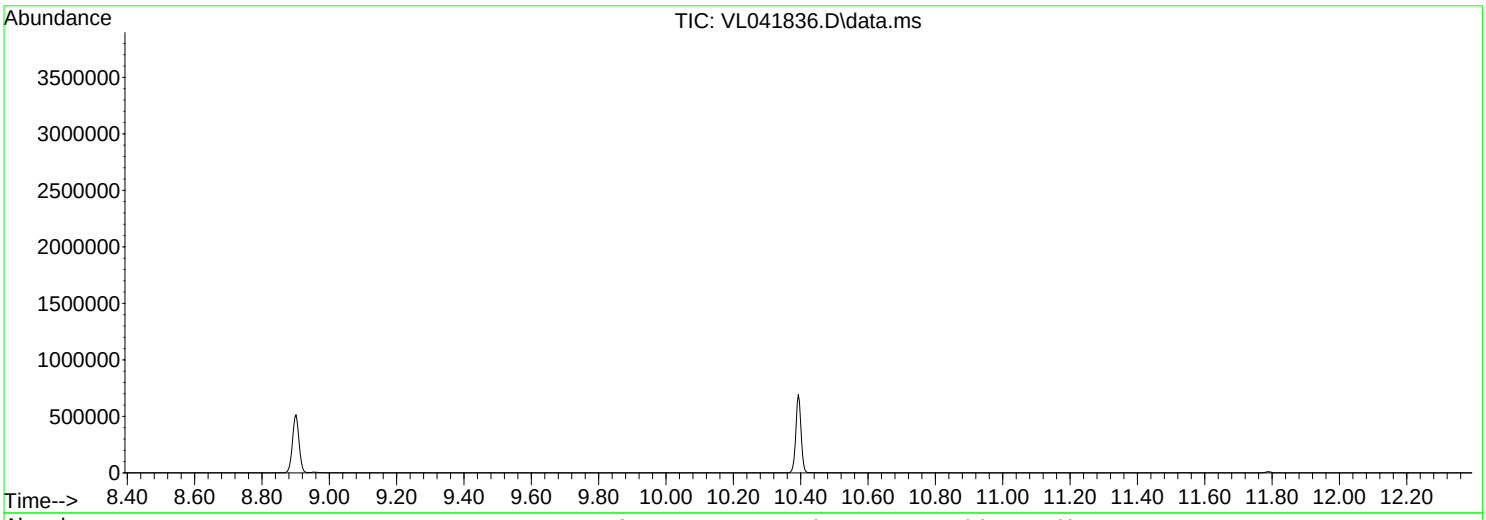
BFB

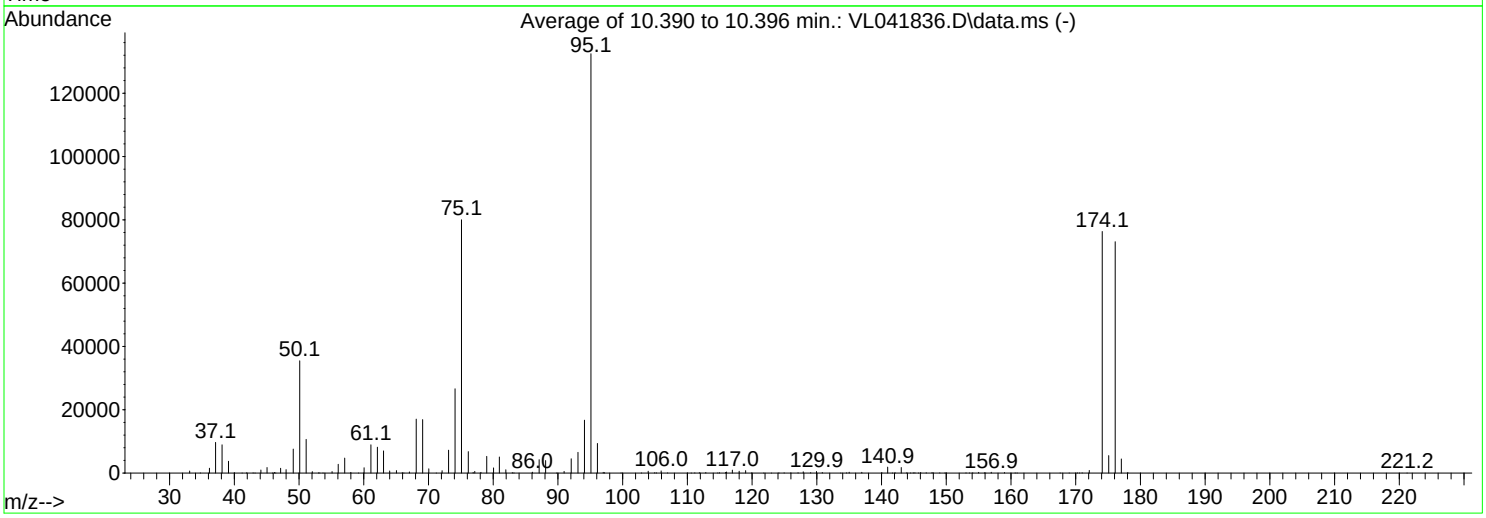
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041836.D
Acq On : 07 Jan 2025 08:06
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Jan 08 03:26:12 2025





AutoFind: Scans 3183, 3184, 3185; Background Corrected with Scan 3168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.8	35475	PASS
75	95	30	66	60.4	80027	PASS
95	95	100	100	100.0	132480	PASS
96	95	5	9	7.1	9366	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	57.6	76320	PASS
175	174	4	9	7.2	5523	PASS
176	174	93	101	95.8	73091	PASS
177	176	5	9	6.1	4466	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL010725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Jan 08 03:26:12 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL041843.D 0.1 =VL041842.D 0.5 =VL041841.D 1 =VL041840.D 2 =VL041839.D 10 =VL041838.D 15 =VL041844.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.836	1.715	1.627	1.476	1.551	1.641	8.57
3)		Chlorodifluoro...			1.742	1.644	1.597	1.396	1.459	1.568	8.91
4)		Chloromethane			0.741	0.697	0.675	0.610	0.651	0.675	7.28
5)	T	Vinyl Chloride	0.873	0.801	0.684	0.654	0.607	0.561	0.583	0.681	17.13
6)	T	Bromomethane			0.322	0.306	0.299	0.262	0.268	0.292	8.75
7)		Chloroethane			0.313	0.267	0.263	0.225	0.242	0.262	12.73
8)	T	Dichlorotetraf...			1.537	1.417	1.462	1.291	1.371	1.416	6.56
9)	T	Propene			0.570	0.556	0.565	0.494	0.544	0.546	5.62
10)	T	Heptane			1.027	1.173	1.355	1.521	1.664	1.348	19.05
11)	T	Trichlorofluor...			1.827	1.752	1.670	1.504	1.589	1.668	7.66
12)	T	1,1,2-Trichlor...			1.364	1.283	1.249	1.133	1.184	1.243	7.18
13)		Ethanol			0.147	0.072	0.069	0.037	0.034	0.072	63.36
14)	T	Bromoethene			0.420	0.411	0.426	0.378	0.398	0.407	4.75
15)	T	Acetone			2.324	2.074	1.998	1.358	1.452	1.841	22.67
16)	T	1,3-Butadiene			0.841	0.738	0.704	0.638	0.689	0.722	10.50
17)		tert-Butyl alc...			1.715	1.688	1.613	1.456	1.505	1.595	7.06
18)	T	1,1-Dichloroet...			0.566	0.537	0.530	0.474	0.493	0.520	7.04
19)	T	Isopropyl Alcohol			1.114	0.941	0.862	0.688	0.716	0.864	20.17
20)	T	Methylene Chlo...			0.677	0.574	0.520	0.418	0.443	0.526	19.81
21)	T	Allyl Chloride			0.947	0.965	0.957	0.908	0.965	0.948	2.50
22)	T	trans-1,2-Dich...			0.619	0.614	0.599	0.529	0.547	0.581	7.06
23)	T	Vinyl Acetate			0.533	0.566	0.613	0.529	0.622	0.573	7.61
24)	T	1,1-Dichloroet...			1.384	1.285	1.304	1.160	1.230	1.273	6.59
25)	T	Ethyl Acetate			2.849	2.985	3.237	3.083	3.284	3.087	5.81
26)	T	Hexane			0.964	0.978	1.081	1.132	1.203	1.072	9.48
27)	T	Carbon Disulfide			0.956	0.898	0.975	1.071	1.185	1.017	11.06
28)	T	Methyl tert-Bu...			0.912	0.842	0.776	0.750	0.757	0.808	8.54
29)	T	Chloroform			2.192	2.076	2.035	1.775	1.876	1.991	8.31
30)	T	Cyclohexane			0.673	0.720	0.807	0.894	0.969	0.813	14.96
31)	T	cis-1,2-Dichlo...			1.058	1.089	1.129	1.078	1.160	1.103	3.74
32)	T	1,1,1-Trichlor...	2.132	1.774	1.807	1.731	1.714	1.685	1.785	1.804	8.36
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.821	0.768	0.800	0.733	0.816	0.788	4.66
35)	T	Carbon Tetrach...	0.798	0.795	0.755	0.685	0.706	0.737	0.813	0.756	6.49
36)	T	Benzene			0.930	0.925	0.959	0.930	1.034	0.955	4.79
37)	T	1,2-Dichloroet...			0.657	0.616	0.626	0.594	0.648	0.628	3.98
38)	T	Trichloroethene	0.306	0.452	0.357	0.353	0.361	0.351	0.391	0.367	12.17
39)	T	1,2-Dichloropr...			0.387	0.370	0.362	0.346	0.383	0.370	4.44

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL010725AIR.M

40)	T	1,4-Dioxane		0.116	0.134	0.143	0.149	0.172	0.143	14.35
41)	T	Tetrahydrofuran		0.337	0.322	0.350	0.394	0.452	0.371	14.15
42)	T	Bromodichlorom...		0.729	0.672	0.715	0.741	0.825	0.737	7.61
43)		Methyl Methacr...		0.241	0.256	0.273	0.334	0.397	0.300	21.50
44)	T	2,2,4-Trimethy...		1.301	1.415	1.636	1.681	1.837	1.574	13.62
45)	T	t-1,3-Dichloro...		0.279	0.237	0.268	0.305	0.375	0.293	17.87
46)	T	cis-1,3-Dichlo...		0.335	0.329	0.358	0.420	0.487	0.386	17.41
47)	T	1,1,2-Trichlor...		0.417	0.389	0.378	0.365	0.403	0.390	5.21
48)	T	Dibromochlorom...		0.434	0.429	0.483	0.536	0.605	0.498	14.92
49)	T	Bromoform		0.345	0.328	0.368	0.438	0.515	0.399	19.34
50)	T	4-Methyl-2-Pen...		0.728	0.786	0.856	1.020	1.164	0.911	19.65
51)	T	2-Hexanone		0.527	0.509	0.635	0.822	0.954	0.689	28.03
52)	T	Tetrachloroethene	0.168 0.291	0.306	0.297	0.301	0.290	0.330	0.283	18.58
53)	T	Toluene		0.655	0.701	0.798	0.976	1.122	0.850	23.00
54)	T	1,2-Dibromoethane	0.460	0.464	0.461	0.474	0.474	0.539	0.479	6.30
55)	I	Chlorobenzene-d5	----------ISTD----------							
56)		1,1,1,2-Tetrac...		0.582	0.564	0.579	0.541	0.584	0.570	3.19
57)	T	Chlorobenzene		1.107	1.066	1.035	0.977	1.039	1.045	4.54
58)	T	Ethyl Benzene		1.003	1.060	1.282	1.643	1.827	1.363	26.48
59)	T	m/p-Xylene		0.798	0.964	1.258	1.424	1.561	1.201	26.39
60)	T	o-Xylene		0.746	0.914	1.231	1.420	1.540	1.170	28.62
61)	T	Styrene		0.316	0.326	0.384	0.567	0.677	0.454	35.37
62)		Isopropylbenzene		1.426	1.499	1.865	2.106	2.297	1.839	20.50
63)	T	1,1,2,2-Tetrac...	1.239 1.009	1.016	0.971	1.010	0.948	0.990	1.026	9.45
64)		n-propylbenzene		0.310	0.411	0.491	0.551	0.595	0.472	24.14
65)		tert-Butylbenzene		1.060	1.427	1.858	1.895	2.043	1.657	24.42
66)	T	Benzyl Chloride		0.141	0.120	0.126	0.143	0.164	0.139	12.44
67)		sec-Butylbenzene		1.631	2.128	2.656	2.731	2.941	2.417	22.00
68)	S	1-Bromo-4-Fluo...	0.816 0.829	0.849	0.846	0.856	0.898	0.901	0.856	3.77
69)		p-Isopropyltol...		1.157	1.555	2.060	2.265	2.451	1.898	28.05
70)		n-Butylbenzene		1.164	1.558	2.094	2.243	2.474	1.907	28.04
71)		2-Chlorotoluene		0.924	1.130	1.330	1.563	1.726	1.335	24.17
72)	T	4-Ethyltoluene		0.918	1.104	1.448	1.712	1.894	1.415	28.76
73)	T	1,3,5-Trimethy...		0.817	1.007	1.278	1.474	1.621	1.239	26.61
74)	T	1,2,4-Trimethy...		0.890	1.264	1.619	1.645	1.761	1.436	24.88
75)	T	1,3-Dichlorobe...		0.877	0.969	0.992	0.949	1.017	0.961	5.54
76)	T	1,4-Dichlorobe...		0.843	0.850	0.964	0.940	1.027	0.925	8.49
77)	T	1,2-Dichlorobe...		0.993	1.023	1.062	0.936	0.993	1.001	4.62
78)	T	Hexachloro-1,3...		0.722	0.763	0.785	0.606	0.678	0.711	10.05
79)	T	Naphthalene	0.632	0.687	0.859	1.297	1.343	1.528	1.058	35.83
80)	T	Naphthalene,2-...		0.275	0.294	0.394	0.399	0.596	0.391	32.58
81)	T	1,2,4-Trichlor...		0.483	0.519	0.656	0.595	0.678	0.586	14.42

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041838.D
Acq On : 07 Jan 2025 09:18
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:19:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	97717	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	232315	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	198370	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	178169	10.487	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	144187	8.993	ppbv	100
3) Chlorodifluoromethane	1.479	51	136457	8.907	ppbv	100
4) Chloromethane	1.538	50	59602	9.040	ppbv	100
5) Vinyl Chloride	1.586	62	54824	8.244	ppbv	100
6) Bromomethane	1.674	94	25634	8.999	ppbv	100
7) Chloroethane	1.709	64	21958	8.578	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	126162	9.120	ppbv	100
9) Propene	1.489	41	48251	9.047	ppbv	100
10) Heptane	5.004	43	148658	11.283	ppbv	100
11) Trichlorofluoromethane	1.884	101	146982	9.015	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	110744	9.121	ppbv	100
13) Ethanol	1.729	45	3612m	5.891	ppbv	
14) Bromoethene	1.787	108	36921	9.288	ppbv	100
15) Acetone	1.842	43	132708	7.377	ppbv	100
16) 1,3-Butadiene	1.612	39	62332	8.836	ppbv	100
17) tert-Butyl alcohol	2.049	59	142263	9.126	ppbv	100
18) 1,1-Dichloroethene	2.043	96	46359	9.119	ppbv	100
19) Isopropyl Alcohol	1.894	45	67181	7.955	ppbv	100
20) Methylene Chloride	2.068	84	40886	7.950	ppbv	100
21) Allyl Chloride	2.104	41	88727	9.574	ppbv	100
22) trans-1,2-Dichloroethene	2.350	96	51671	9.094	ppbv	100
23) Vinyl Acetate	2.473	43	51668	8.955	ppbv	100
24) 1,1-Dichloroethane	2.418	63	113332	9.114	ppbv	100
25) Ethyl Acetate	2.845	43	301260	9.986	ppbv	100
26) Hexane	2.839	57	110574	10.560	ppbv	100
27) Carbon Disulfide	2.159	76	104642	10.530	ppbv	100
28) Methyl tert-Butyl Ether	2.450	73	73317	9.291	ppbv	100
29) Chloroform	2.861	83	173414	8.915	ppbv	100
30) Cyclohexane	3.875	84	87356	10.996	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	105358	9.776	ppbv	100
32) 1,1,1-Trichloroethane	3.383	97	164630	9.339	ppbv	100
34) 2-Butanone	2.567	43	170386	9.311	ppbv	100
35) Carbon Tetrachloride	3.781	117	171330	9.758	ppbv	100
36) Benzene	3.674	78	216013	9.733	ppbv	100
37) 1,2-Dichloroethane	3.230	62	138068	9.463	ppbv	100
38) Trichloroethene	4.570	130	81606	9.380	ppbv	100
39) 1,2-Dichloropropane	4.334	63	80487	9.375	ppbv	100
40) 1,4-Dioxane	4.606	88	34679	10.425	ppbv #	100
41) Tetrahydrofuran	3.069	42	91594	10.618	ppbv	100
42) Bromodichloromethane	4.512	83	172183	10.063	ppbv	100
43) Methyl Methacrylate	4.904	69	77566	11.130	ppbv	100
44) 2,2,4-Trimethylpentane	4.661	57	390617	10.683	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	70965	10.430	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041838.D
Acq On : 07 Jan 2025 09:18
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:19:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	5.632	75	97612	10.905	ppbv	100
47)	1,1,2-Trichloroethane	6.606	97	84906	9.351	ppbv	100
48)	Dibromochloromethane	7.409	129	124570	10.778	ppbv	100
49)	Bromoform	9.500	173	101730	10.982	ppbv	100
50)	4-Methyl-2-Pentanone	5.784	43	237056	11.212	ppbv	100
51)	2-Hexanone	7.457	43	190925	11.921	ppbv	100
52)	Tetrachloroethene	8.244	164	67367	10.236	ppbv	100
53)	Toluene	6.959	91	226694	11.464	ppbv	100
54)	1,2-Dibromoethane	7.674	107	110192	9.910	ppbv	100
56)	1,1,1,2-Tetrachloroethane	8.940	131	107276	9.488	ppbv	100
57)	Chlorobenzene	8.940	112	193822	9.352	ppbv	100
58)	Ethyl Benzene	9.370	91	325850	12.052	ppbv	100
59)	m/p-Xylene	9.565	91	564970m	23.662	ppbv	
60)	o-Xylene	9.979	91	281728	12.136	ppbv	100
61)	Styrene	9.885	104	112526	12.495	ppbv	100
62)	Isopropylbenzene	10.552	105	417672	11.452	ppbv	100
63)	1,1,2,2-Tetrachloroethane	9.979	83	188048	9.238	ppbv	100
64)	n-propylbenzene	11.002	120	109323	11.684	ppbv	100
65)	tert-Butylbenzene	11.545	119	375903	11.438	ppbv	100
66)	Benzyl Chloride	11.630	91	28370	10.329	ppbv	100
67)	sec-Butylbenzene	11.782	105	541663	11.295	ppbv	100
69)	p-Isopropyltoluene	11.937	119	449331	11.935	ppbv	100
70)	n-Butylbenzene	12.293	91	444870	11.762	ppbv	100
71)	2-Chlorotoluene	10.914	91	310040	11.712	ppbv	100
72)	4-Ethyltoluene	11.138	105	339692	12.100	ppbv	100
73)	1,3,5-Trimethylbenzene	11.218	105	292453	11.894	ppbv	100
74)	1,2,4-Trimethylbenzene	11.552	105	326247	11.455	ppbv	100
75)	1,3-Dichlorobenzene	11.620	146	188321	9.880	ppbv	100
76)	1,4-Dichlorobenzene	11.685	146	186446	10.164	ppbv	100
77)	1,2-Dichlorobenzene	11.960	146	185674	9.347	ppbv	100
78)	Hexachloro-1,3-Butadiene	13.895	225	120191	8.523	ppbv	100
79)	Naphthalene	13.526	128	266390	12.698	ppbv	100
80)	Naphthalene,2-methyl-	14.471	142	79067	10.182	ppbv	100
81)	1,2,4-Trichlorobenzene	13.455	180	118002	10.148	ppbv	100

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

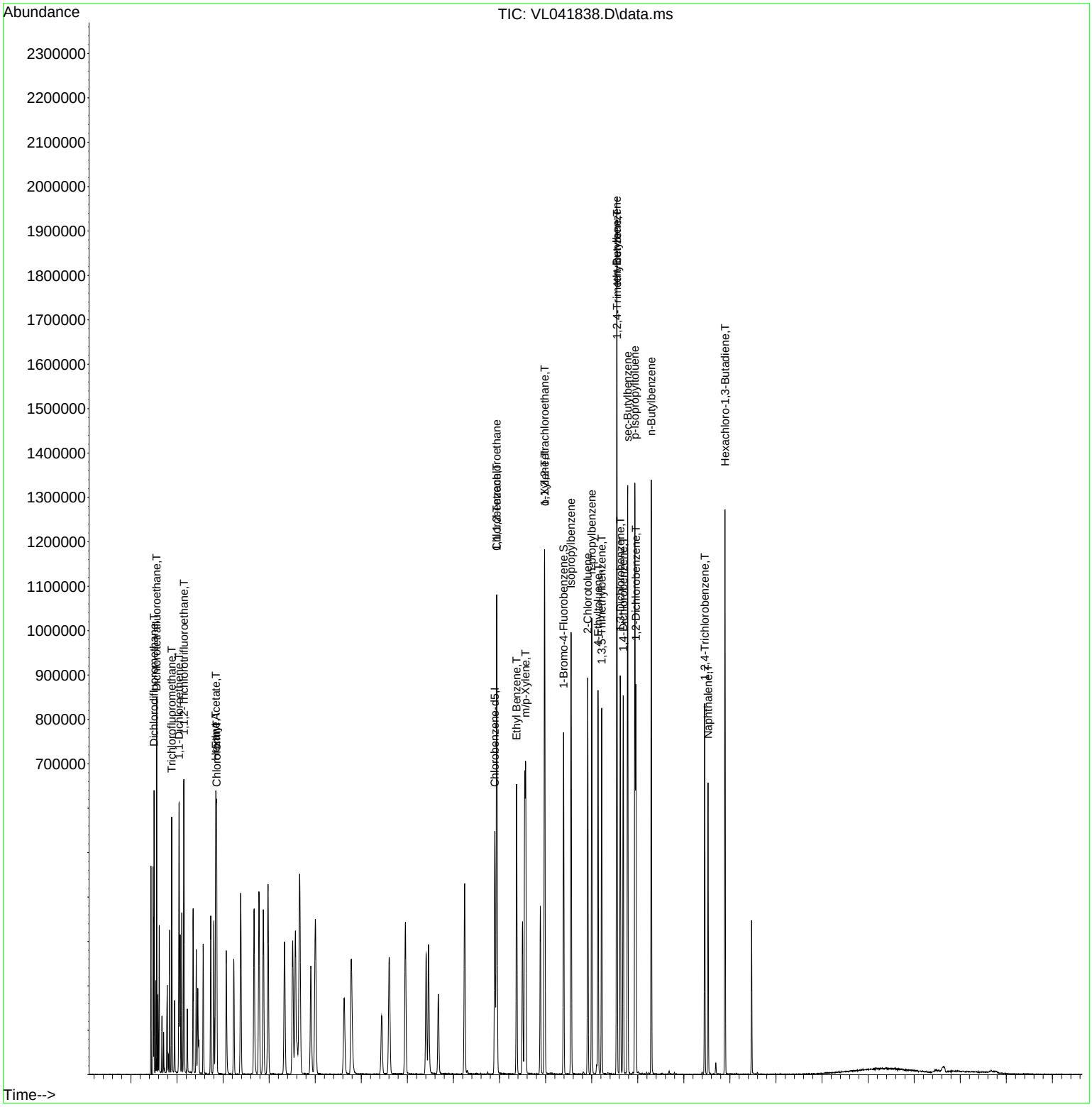
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041838.D
Acq On : 07 Jan 2025 09:18
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:19:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041839.D
Acq On : 07 Jan 2025 09:51
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:20:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	100639	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	241263	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	201824	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	172685	9.990	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	32740	1.983	ppbv		100
3) Chlorodifluoromethane	1.479	51	32152	2.038	ppbv		98
4) Chloromethane	1.537	50	13584	2.000	ppbv		98
5) Vinyl Chloride	1.586	62	12222	1.785	ppbv		91
6) Bromomethane	1.673	94	6017	2.051	ppbv		95
7) Chloroethane	1.709	64	5296	2.009	ppbv		92
8) Dichlorotetrafluoroethane	1.560	85	29417	2.065	ppbv		99
9) Propene	1.489	41	11376	2.071	ppbv		98
10) Heptane	5.007	43	27280	2.010	ppbv		95
11) Trichlorofluoromethane	1.884	101	33615	2.002	ppbv		96
12) 1,1,2-Trichlorotrifluo...	2.149	101	25132	2.010	ppbv		99
13) Ethanol	1.728	45	1379	2.184	ppbv		71
14) Bromoethene	1.787	108	8576	2.095	ppbv	#	92
15) Acetone	1.842	43	40213	2.170	ppbv		99
16) 1,3-Butadiene	1.615	39	14169	1.950	ppbv		100
17) tert-Butyl alcohol	2.049	59	32475	2.023	ppbv		98
18) 1,1-Dichloroethene	2.042	96	10673	2.039	ppbv		86
19) Isopropyl Alcohol	1.894	45	17352	1.995	ppbv	#	1
20) Methylene Chloride	2.068	84	10459	1.975	ppbv	#	93
21) Allyl Chloride	2.104	41	19269	2.019	ppbv		96
22) trans-1,2-Dichloroethene	2.350	96	12050	2.059	ppbv		95
23) Vinyl Acetate	2.470	43	12341	2.077	ppbv	#	95
24) 1,1-Dichloroethane	2.418	63	26237	2.049	ppbv		100
25) Ethyl Acetate	2.852	43	65149	2.097	ppbv		100
26) Hexane	2.839	57	21758	2.018	ppbv		89
27) Carbon Disulfide	2.159	76	19626	1.918	ppbv	#	59
28) Methyl tert-Butyl Ether	2.450	73	15614	1.921	ppbv		97
29) Chloroform	2.861	83	40969	2.045	ppbv		98
30) Cyclohexane	3.874	84	16235	1.984	ppbv		97
31) cis-1,2-Dichloroethene	2.732	61	22729	2.048	ppbv		98
32) 1,1,1-Trichloroethane	3.382	97	34505	1.901	ppbv		98
34) 2-Butanone	2.570	43	38624	2.032	ppbv		99
35) Carbon Tetrachloride	3.780	117	34059	1.868	ppbv		97
36) Benzene	3.674	78	46253	2.007	ppbv		98
37) 1,2-Dichloroethane	3.233	62	30190	1.993	ppbv		100
38) Trichloroethene	4.570	130	17434	1.930	ppbv	#	91
39) 1,2-Dichloropropane	4.337	63	17446	1.957	ppbv		96
40) 1,4-Dioxane	4.612	88	6895m	1.996	ppbv		
41) Tetrahydrofuran	3.075	42	16912	1.888	ppbv		100
42) Bromodichloromethane	4.515	83	34494	1.941	ppbv		94
43) Methyl Methacrylate	4.907	69	13160	1.818	ppbv		96
44) 2,2,4-Trimethylpentane	4.661	57	78928	2.078	ppbv		97
45) t-1,3-Dichloropropene	6.441	75	12917m	1.828	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041839.D
Acq On : 07 Jan 2025 09:51
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:20:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.638	75	17267m	1.858	ppbv		
47)	1,1,2-Trichloroethane	6.609	97	18220	1.932	ppbv		91
48)	Dibromochloromethane	7.412	129	23291	1.940	ppbv		96
49)	Bromoform	9.500	173	17754	1.846	ppbv		99
50)	4-Methyl-2-Pentanone	5.797	43	41290m	1.881	ppbv		
51)	2-Hexanone	7.464	43	30631	1.842	ppbv	#	96
52)	Tetrachloroethene	8.244	164	14518	2.124	ppbv		95
53)	Toluene	6.956	91	38482	1.874	ppbv		99
54)	1,2-Dibromoethane	7.671	107	22893	1.983	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.943	131	23388	2.033	ppbv		98
57)	Chlorobenzene	8.940	112	41759	1.980	ppbv		97
58)	Ethyl Benzene	9.373	91	51733	1.881	ppbv		98
59)	m/p-Xylene	9.568	91	101552m	4.180	ppbv		
60)	o-Xylene	9.979	91	49709	2.105	ppbv		98
61)	Styrene	9.888	104	15487	1.690	ppbv		99
62)	Isopropylbenzene	10.555	105	75283	2.029	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.979	83	40760	1.968	ppbv		99
64)	n-propylbenzene	11.005	120	19823	2.082	ppbv		94
65)	tert-Butylbenzene	11.545	119	74996	2.243	ppbv		99
66)	Benzyl Chloride	11.629	91	5086m	1.820	ppbv		
67)	sec-Butylbenzene	11.781	105	107222	2.198	ppbv		98
69)	p-Isopropyltoluene	11.940	119	83161	2.171	ppbv		99
70)	n-Butylbenzene	12.296	91	84529	2.197	ppbv		99
71)	2-Chlorotoluene	10.917	91	53695	1.994	ppbv		100
72)	4-Ethyltoluene	11.141	105	58453	2.047	ppbv		98
73)	1,3,5-Trimethylbenzene	11.218	105	51583	2.062	ppbv		99
74)	1,2,4-Trimethylbenzene	11.548	105	65350	2.255	ppbv	#	85
75)	1,3-Dichlorobenzene	11.620	146	40038	2.064	ppbv		99
76)	1,4-Dichlorobenzene	11.684	146	38915	2.085	ppbv		97
77)	1,2-Dichlorobenzene	11.963	146	42869	2.121	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.895	225	31681	2.208	ppbv		98
79)	Naphthalene	13.526	128	52334	2.452	ppbv		99
80)	Naphthalene,2-methyl-	14.474	142	15888	2.011	ppbv		99
81)	1,2,4-Trichlorobenzene	13.455	180	26499	2.240	ppbv		99

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

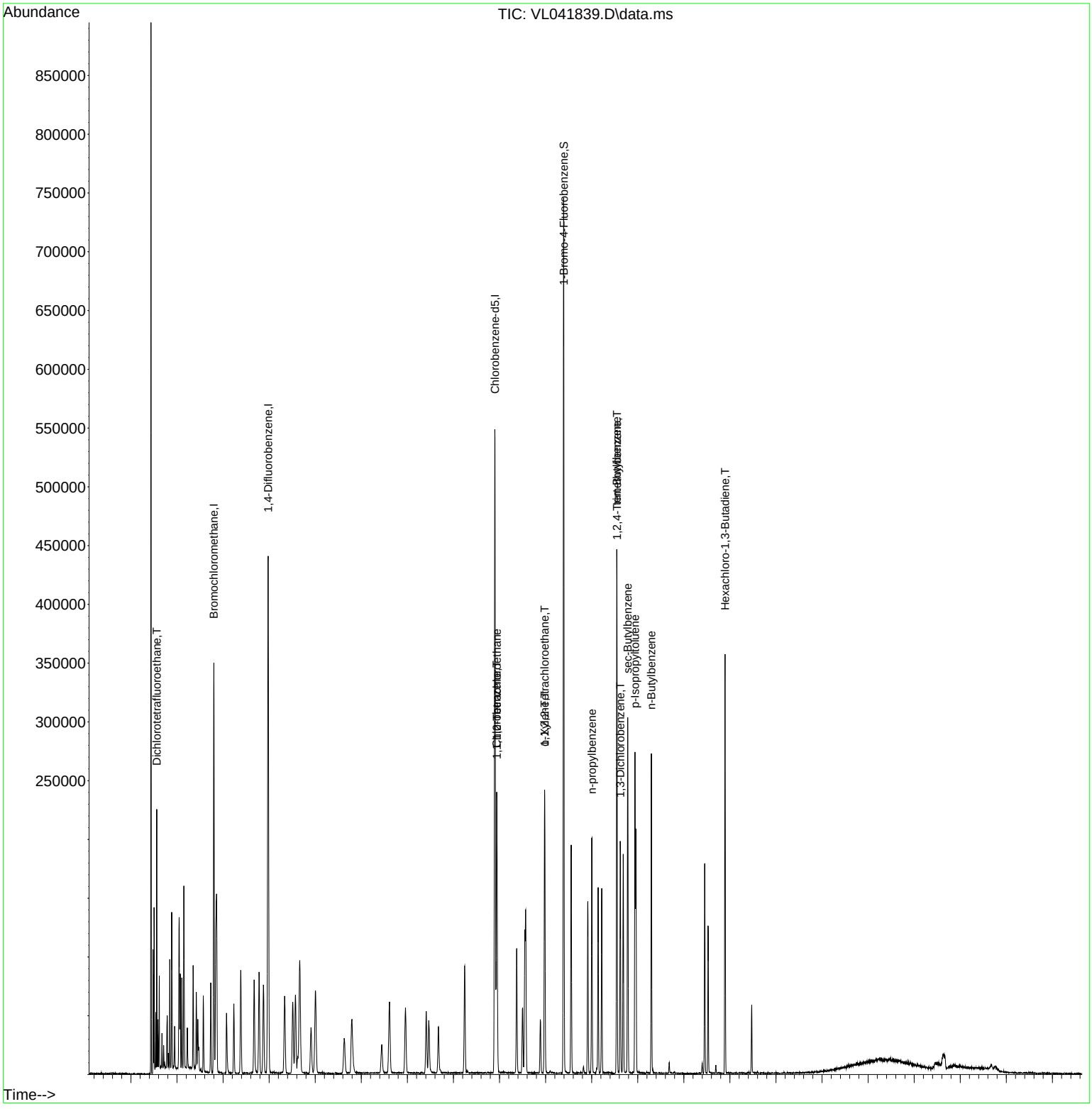
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041839.D
Acq On : 07 Jan 2025 09:51
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:20:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041840.D
Acq On : 07 Jan 2025 10:21
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	96549	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	232532	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	194086	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	164226	9.879	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	16559	1.045	ppbv		97
3) Chlorodifluoromethane	1.482	51	15873	1.049	ppbv		100
4) Chloromethane	1.538	50	6729	1.033	ppbv		98
5) Vinyl Chloride	1.586	62	6313	0.961	ppbv		97
6) Bromomethane	1.677	94	2955	1.050	ppbv		96
7) Chloroethane	1.712	64	2579	1.020	ppbv		94
8) Dichlorotetrafluoroethane	1.560	85	13682	1.001	ppbv		98
9) Propene	1.489	41	5371	1.019	ppbv		96
10) Heptane	5.010	43	11328	0.870	ppbv		94
11) Trichlorofluoromethane	1.887	101	16911	1.050	ppbv		91
12) 1,1,2-Trichlorotrifluo...	2.149	101	12386	1.032	ppbv		99
13) Ethanol	1.732	45	696m	1.149	ppbv		
14) Bromoethene	1.790	108	3972	1.011	ppbv	#	93
15) Acetone	1.845	43	20021	1.126	ppbv		99
16) 1,3-Butadiene	1.615	39	7124	1.022	ppbv		99
17) tert-Butyl alcohol	2.052	59	16296	1.058	ppbv		98
18) 1,1-Dichloroethene	2.046	96	5187	1.033	ppbv		99
19) Isopropyl Alcohol	1.897	45	9089	1.089	ppbv	#	1
20) Methylene Chloride	2.072	84	5540	1.090	ppbv		94
21) Allyl Chloride	2.107	41	9314	1.017	ppbv		98
22) trans-1,2-Dichloroethene	2.353	96	5931	1.057	ppbv		97
23) Vinyl Acetate	2.476	43	5463	0.958	ppbv	#	96
24) 1,1-Dichloroethane	2.424	63	12403	1.009	ppbv		98
25) Ethyl Acetate	2.855	43	28818	0.967	ppbv		96
26) Hexane	2.842	57	9441	0.913	ppbv		81
27) Carbon Disulfide	2.162	76	8674	0.883	ppbv	#	51
28) Methyl tert-Butyl Ether	2.453	73	8132	1.043	ppbv		94
29) Chloroform	2.865	83	20041	1.043	ppbv		96
30) Cyclohexane	3.881	84	6949	0.885	ppbv		94
31) cis-1,2-Dichloroethene	2.735	61	10514	0.987	ppbv		98
32) 1,1,1-Trichloroethane	3.386	97	16717	0.960	ppbv		100
34) 2-Butanone	2.573	43	17859	0.975	ppbv		99
35) Carbon Tetrachloride	3.787	117	15937	0.907	ppbv		98
36) Benzene	3.677	78	21504	0.968	ppbv		94
37) 1,2-Dichloroethane	3.237	62	14318	0.980	ppbv		97
38) Trichloroethene	4.583	130	8206m	0.942	ppbv		
39) 1,2-Dichloropropane	4.337	63	8600m	1.001	ppbv		
40) 1,4-Dioxane	4.625	88	3125m	0.939	ppbv		
41) Tetrahydrofuran	3.081	42	7497	0.868	ppbv		98
42) Bromodichloromethane	4.522	83	15637	0.913	ppbv	#	90
43) Methyl Methacrylate	4.910	69	5953m	0.853	ppbv		
44) 2,2,4-Trimethylpentane	4.677	57	32898	0.899	ppbv		91
45) t-1,3-Dichloropropene	6.451	75	5502	0.808	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041840.D
Acq On : 07 Jan 2025 10:21
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	7644m	0.853	ppbv		
47) 1,1,2-Trichloroethane	6.616	97	9034m	0.994	ppbv		
48) Dibromochloromethane	7.418	129	9977	0.862	ppbv		98
49) Bromoform	9.500	173	7621	0.822	ppbv		99
50) 4-Methyl-2-Pentanone	5.803	43	18288m	0.864	ppbv		
51) 2-Hexanone	7.477	43	11832	0.738	ppbv	#	100
52) Tetrachloroethene	8.247	164	6903m	1.048	ppbv		
53) Toluene	6.962	91	16301m	0.824	ppbv		
54) 1,2-Dibromoethane	7.681	107	10719	0.963	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.943	131	10939	0.989	ppbv	#	1
57) Chlorobenzene	8.946	112	20695	1.021	ppbv		95
58) Ethyl Benzene	9.377	91	20575	0.778	ppbv	#	86
59) m/p-Xylene	9.574	91	37403m	1.601	ppbv		
60) o-Xylene	9.985	91	17740	0.781	ppbv		95
61) Styrene	9.888	104	6320	0.717	ppbv		96
62) Isopropylbenzene	10.558	105	29086	0.815	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.982	83	18845	0.946	ppbv		96
64) n-propylbenzene	11.008	120	7978	0.871	ppbv		96
65) tert-Butylbenzene	11.548	119	27703	0.862	ppbv		99
66) Benzyl Chloride	11.633	91	2320	0.863	ppbv		97
67) sec-Butylbenzene	11.785	105	41306	0.880	ppbv		97
69) p-Isopropyltoluene	11.943	119	30189	0.820	ppbv		98
70) n-Butylbenzene	12.299	91	30246	0.817	ppbv		99
71) 2-Chlorotoluene	10.917	91	21930	0.847	ppbv		98
72) 4-Ethyltoluene	11.144	105	21421	0.780	ppbv		97
73) 1,3,5-Trimethylbenzene	11.222	105	19547	0.813	ppbv		98
74) 1,2,4-Trimethylbenzene	11.555	105	24542	0.881	ppbv		97
75) 1,3-Dichlorobenzene	11.626	146	18815	1.009	ppbv		98
76) 1,4-Dichlorobenzene	11.691	146	16488	0.919	ppbv		95
77) 1,2-Dichlorobenzene	11.963	146	19852	1.021	ppbv		99
78) Hexachloro-1,3-Butadiene	13.898	225	14814	1.074	ppbv		99
79) Naphthalene	13.529	128	16677	0.812	ppbv	#	96
80) Naphthalene,2-methyl-	14.474	142	5705	0.751	ppbv		97
81) 1,2,4-Trichlorobenzene	13.455	180	10080	0.886	ppbv		99

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

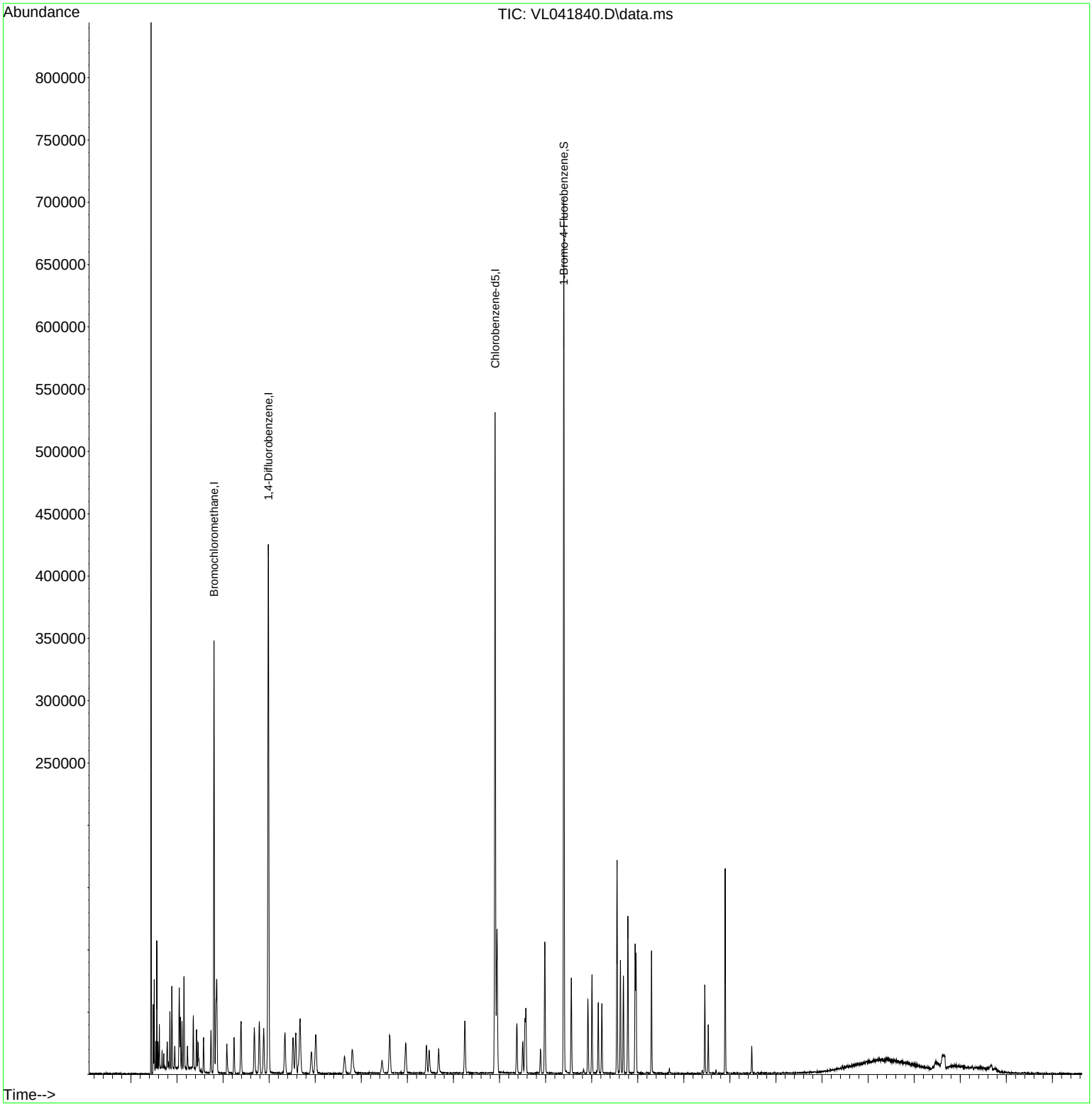
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041840.D
Acq On : 07 Jan 2025 10:21
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041841.D
Acq On : 07 Jan 2025 10:52
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	90228	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	210692	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	175693	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	149231	9.917	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	8282	0.559	ppbv		99
3) Chlorodifluoromethane	1.479	51	7858	0.555	ppbv		97
4) Chloromethane	1.538	50	3343	0.549	ppbv		92
5) Vinyl Chloride	1.583	62	3086	0.503	ppbv		90
6) Bromomethane	1.673	94	1453	0.552	ppbv		96
7) Chloroethane	1.709	64	1413	0.598	ppbv		93
8) Dichlorotetrafluoroethane	1.560	85	6936	0.543	ppbv		99
9) Propene	1.489	41	2570	0.522	ppbv		87
10) Heptane	5.004	43	4633m	0.381	ppbv		
11) Trichlorofluoromethane	1.884	101	8242	0.547	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.146	101	6155	0.549	ppbv		96
13) Ethanol	1.725	45	662	1.169	ppbv		95
14) Bromoethene	1.787	108	1897	0.517	ppbv	#	84
15) Acetone	1.842	43	10484	0.631	ppbv		97
16) 1,3-Butadiene	1.615	39	3795	0.583	ppbv		86
17) tert-Butyl alcohol	2.052	59	7735	0.537	ppbv		98
18) 1,1-Dichloroethene	2.042	96	2555	0.544	ppbv		92
19) Isopropyl Alcohol	1.894	45	5026	0.645	ppbv	#	95
20) Methylene Chloride	2.068	84	3053	0.643	ppbv		92
21) Allyl Chloride	2.104	41	4272	0.499	ppbv		86
22) trans-1,2-Dichloroethene	2.350	96	2791	0.532	ppbv	#	79
23) Vinyl Acetate	2.470	43	2406m	0.452	ppbv		
24) 1,1-Dichloroethane	2.418	63	6246	0.544	ppbv		96
25) Ethyl Acetate	2.852	43	12851	0.461	ppbv		97
26) Hexane	2.835	57	4350	0.450	ppbv		86
27) Carbon Disulfide	2.159	76	4312	0.470	ppbv	#	1
28) Methyl tert-Butyl Ether	2.450	73	4116	0.565	ppbv		91
29) Chloroform	2.858	83	9887	0.550	ppbv		92
30) Cyclohexane	3.871	84	3038m	0.414	ppbv		
31) cis-1,2-Dichloroethene	2.729	61	4773	0.480	ppbv		94
32) 1,1,1-Trichloroethane	3.382	97	8151	0.501	ppbv		97
34) 2-Butanone	2.570	43	8647	0.521	ppbv		97
35) Carbon Tetrachloride	3.784	117	7956	0.500	ppbv		88
36) Benzene	3.674	78	9795	0.487	ppbv		95
37) 1,2-Dichloroethane	3.230	62	6918	0.523	ppbv	#	95
38) Trichloroethene	4.570	130	3763	0.477	ppbv	#	85
39) 1,2-Dichloropropane	4.331	63	4076	0.524	ppbv		97
40) 1,4-Dioxane	4.629	88	1225m	0.406	ppbv		
41) Tetrahydrofuran	3.075	42	3545m	0.453	ppbv		
42) Bromodichloromethane	4.512	83	7678m	0.495	ppbv		
43) Methyl Methacrylate	4.900	69	2537m	0.401	ppbv		
44) 2,2,4-Trimethylpentane	4.661	57	13710	0.413	ppbv	#	89
45) t-1,3-Dichloropropene	6.438	75	2941m	0.477	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041841.D
Acq On : 07 Jan 2025 10:52
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.629	75	3526m	0.434	ppbv		
47)	1,1,2-Trichloroethane	6.606	97	4392m	0.533	ppbv		
48)	Dibromochloromethane	7.409	129	4575m	0.436	ppbv		
49)	Bromoform	9.496	173	3639	0.433	ppbv		99
50)	4-Methyl-2-Pentanone	5.797	43	7670m	0.400	ppbv		
51)	2-Hexanone	7.467	43	5557m	0.383	ppbv		
52)	Tetrachloroethene	8.244	164	3227m	0.541	ppbv		
53)	Toluene	6.962	91	6897m	0.385	ppbv		
54)	1,2-Dibromoethane	7.681	107	4885m	0.484	ppbv		
56)	1,1,1,2-Tetrachloroethane	8.940	131	5115	0.511	ppbv	#	1
57)	Chlorobenzene	8.940	112	9721m	0.530	ppbv		
58)	Ethyl Benzene	9.373	91	8814	0.368	ppbv		93
59)	m/p-Xylene	9.568	91	14012m	0.663	ppbv		
60)	o-Xylene	9.979	91	6551	0.319	ppbv		100
61)	Styrene	9.885	104	2777	0.348	ppbv		98
62)	Isopropylbenzene	10.552	105	12528	0.388	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.979	83	8924	0.495	ppbv		97
64)	n-propylbenzene	10.998	120	2721m	0.328	ppbv		
65)	tert-Butylbenzene	11.542	119	9315	0.320	ppbv		100
66)	Benzyl Chloride	11.633	91	1242	0.511	ppbv	#	91
67)	sec-Butylbenzene	11.782	105	14329	0.337	ppbv		100
69)	p-Isopropyltoluene	11.940	119	10167	0.305	ppbv		94
70)	n-Butylbenzene	12.293	91	10226	0.305	ppbv		98
71)	2-Chlorotoluene	10.914	91	8114	0.346	ppbv		98
72)	4-Ethyltoluene	11.137	105	8065	0.324	ppbv	#	97
73)	1,3,5-Trimethylbenzene	11.215	105	7174	0.329	ppbv		89
74)	1,2,4-Trimethylbenzene	11.548	105	7816	0.310	ppbv	#	87
75)	1,3-Dichlorobenzene	11.620	146	7704	0.456	ppbv		98
76)	1,4-Dichlorobenzene	11.684	146	7404	0.456	ppbv		99
77)	1,2-Dichlorobenzene	11.960	146	8725	0.496	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.895	225	6344	0.508	ppbv		95
79)	Naphthalene	13.529	128	6035	0.325	ppbv	#	93
80)	Naphthalene,2-methyl-	14.471	142	2415	0.351	ppbv		98
81)	1,2,4-Trichlorobenzene	13.455	180	4239	0.412	ppbv		99

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

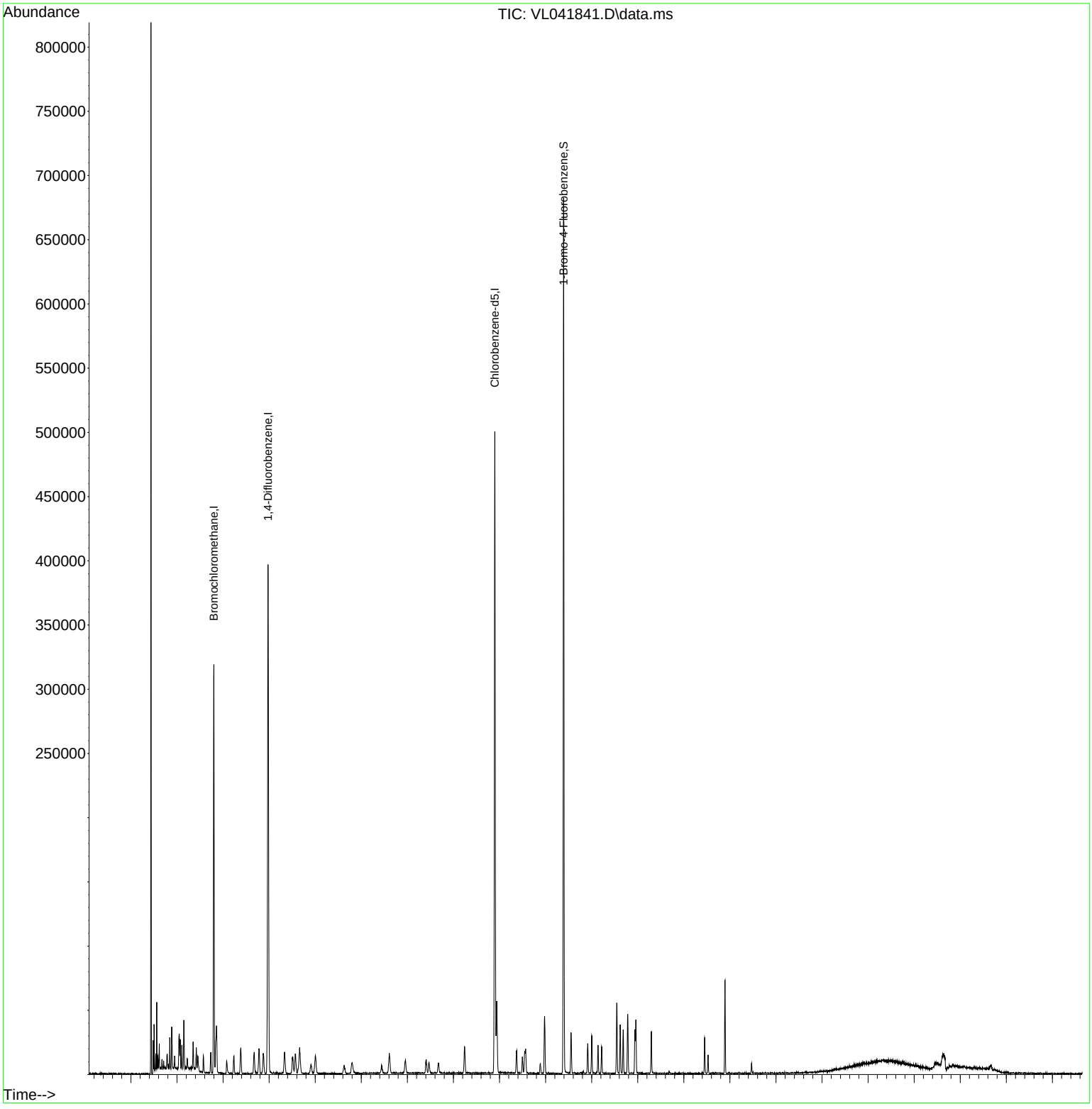
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041841.D
Acq On : 07 Jan 2025 10:52
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:21:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041842.D
Acq On : 07 Jan 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:22:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	88722	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	202136	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	168288	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	139535	9.681	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.800%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	711	0.118	ppbv	# 84
32) 1,1,1-Trichloroethane	3.382	97	1574	0.098	ppbv	# 21
35) Carbon Tetrachloride	3.784	117	1607	0.105	ppbv	# 71
38) Trichloroethene	4.570	130	913m	0.121	ppbv	
52) Tetrachloroethene	8.244	164	588m	0.103	ppbv	
54) 1,2-Dibromoethane	7.681	107	929m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.985	83	1698	0.098	ppbv	# 94
79) Naphthalene	13.529	128	1063	0.060	ppbv	# 86

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

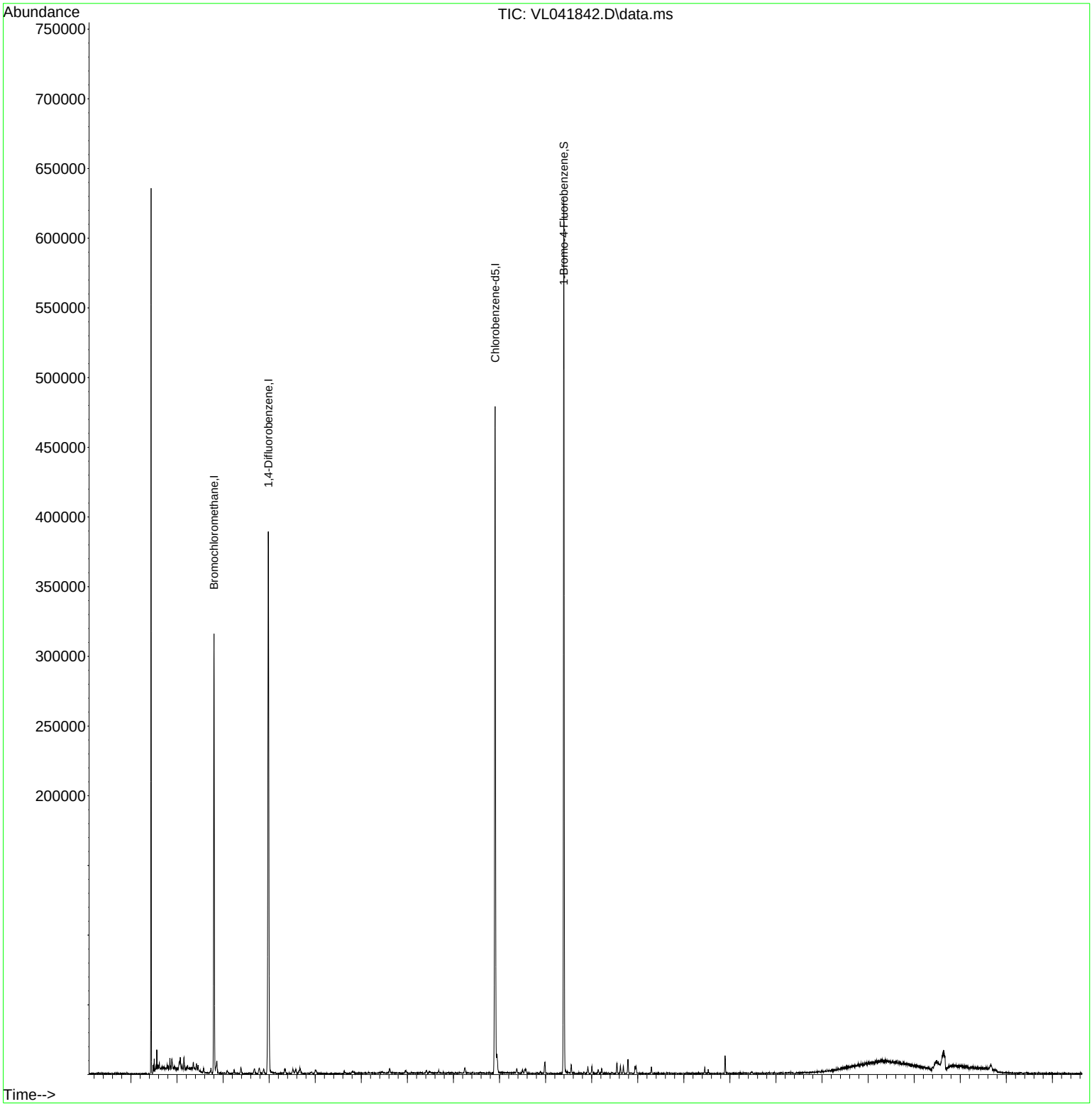
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041842.D
Acq On : 07 Jan 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:22:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041843.D
Acq On : 07 Jan 2025 11:52
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	85525	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.984	114	192559	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	161678	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	131934	9.528	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	224	0.038	ppbv	# 32
32) 1,1,1-Trichloroethane	3.389	97	547	0.035	ppbv	# 83
35) Carbon Tetrachloride	3.790	117	461m	0.032	ppbv	
38) Trichloroethene	4.574	130	177m	0.025	ppbv	
52) Tetrachloroethene	8.250	164	97m	0.018	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.982	83	601m	0.036	ppbv	

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

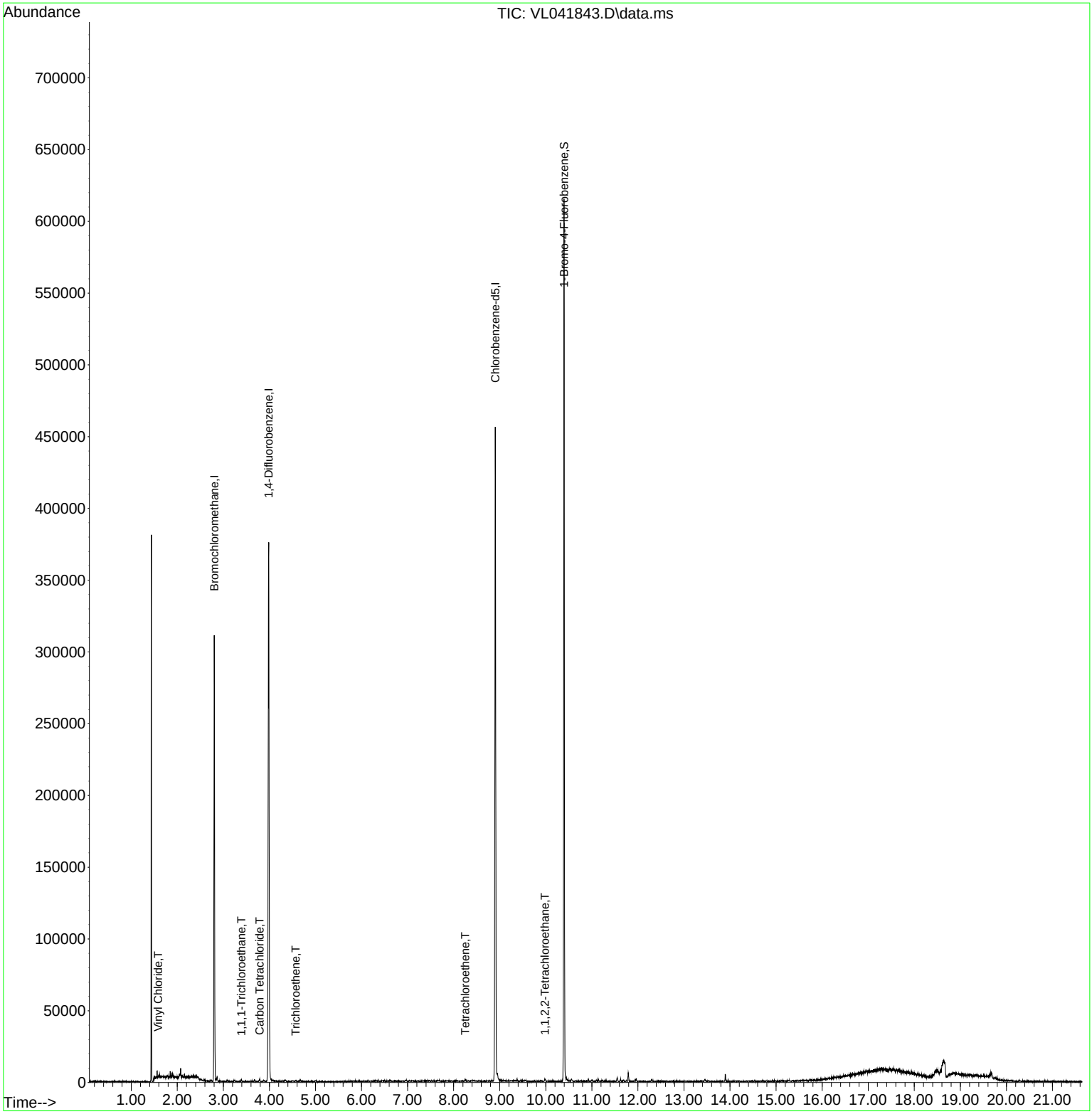
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041843.D
Acq On : 07 Jan 2025 11:52
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041844.D
Acq On : 07 Jan 2025 12:25
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:23:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	93311	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	214048	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	188085	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	169446	10.519	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	217118	14.181	ppbv	97
3) Chlorodifluoromethane	1.483	51	204247	13.962	ppbv	100
4) Chloromethane	1.538	50	91107	14.470	ppbv	98
5) Vinyl Chloride	1.586	62	81611	12.852	ppbv	98
6) Bromomethane	1.674	94	37525	13.796	ppbv	94
7) Chloroethane	1.712	64	33831	13.840	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	191885	14.527	ppbv	99
9) Propene	1.489	41	76147	14.952	ppbv	100
10) Heptane	5.007	43	232968	18.518	ppbv	99
11) Trichlorofluoromethane	1.887	101	222468	14.290	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.149	101	165689	14.290	ppbv	100
13) Ethanol	1.729	45	4786	8.174	ppbv	95
14) Bromoethene	1.790	108	55728	14.681	ppbv	99
15) Acetone	1.842	43	203219	11.829	ppbv	97
16) 1,3-Butadiene	1.615	39	96407	14.311	ppbv	99
17) tert-Butyl alcohol	2.049	59	210612	14.149	ppbv	100
18) 1,1-Dichloroethene	2.046	96	68995	14.213	ppbv	95
19) Isopropyl Alcohol	1.894	45	100236	12.430	ppbv	100
20) Methylene Chloride	2.072	84	62016	12.627	ppbv	96
21) Allyl Chloride	2.107	41	135077	15.264	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	76536	14.107	ppbv	92
23) Vinyl Acetate	2.476	43	87069	15.804	ppbv	99
24) 1,1-Dichloroethane	2.421	63	172210	14.503	ppbv	100
25) Ethyl Acetate	2.848	43	459657	15.955	ppbv	99
26) Hexane	2.842	57	168383	16.841	ppbv	100
27) Carbon Disulfide	2.162	76	165817	17.474	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	105985	14.065	ppbv	99
29) Chloroform	2.865	83	262539	14.134	ppbv	98
30) Cyclohexane	3.881	84	135635	17.879	ppbv	99
31) cis-1,2-Dichloroethene	2.735	61	162395	15.779	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	249799	14.840	ppbv	100
34) 2-Butanone	2.570	43	261912	15.534	ppbv	98
35) Carbon Tetrachloride	3.784	117	261173	16.145	ppbv	97
36) Benzene	3.677	78	331869	16.230	ppbv	99
37) 1,2-Dichloroethane	3.237	62	207949	15.469	ppbv	100
38) Trichloroethene	4.577	130	125492	15.656	ppbv	96
39) 1,2-Dichloropropane	4.337	63	122940	15.543	ppbv	98
40) 1,4-Dioxane	4.609	88	55317	18.048	ppbv #	95
41) Tetrahydrofuran	3.068	42	145035	18.249	ppbv	100
42) Bromodichloromethane	4.519	83	265034	16.811	ppbv	98
43) Methyl Methacrylate	4.913	69	127306	19.826	ppbv	98
44) 2,2,4-Trimethylpentane	4.667	57	589679	17.503	ppbv	99
45) t-1,3-Dichloropropene	6.451	75	120537	19.228	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041844.D
Acq On : 07 Jan 2025 12:25
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:23:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	156300	18.952	ppbv	98
47) 1,1,2-Trichloroethane	6.613	97	129484	15.477	ppbv	97
48) Dibromochloromethane	7.415	129	194367	18.252	ppbv	100
49) Bromoform	9.503	173	165226	19.360	ppbv	99
50) 4-Methyl-2-Pentanone	5.790	43	373823	19.190	ppbv	100
51) 2-Hexanone	7.464	43	306279	20.756	ppbv	98
52) Tetrachloroethene	8.250	164	105951	17.472	ppbv	97
53) Toluene	6.962	91	360317	19.776	ppbv	99
54) 1,2-Dibromoethane	7.677	107	172958	16.883	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.946	131	164661	15.360	ppbv	99
57) Chlorobenzene	8.943	112	293187	14.921	ppbv	95
58) Ethyl Benzene	9.377	91	515403	20.106	ppbv	99
59) m/p-Xylene	9.571	91	880667m	38.901	ppbv	
60) o-Xylene	9.985	91	434378	19.735	ppbv	100
61) Styrene	9.891	104	191091	22.378	ppbv	100
62) Isopropylbenzene	10.558	105	648118	18.743	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	279419	14.477	ppbv	99
64) n-propylbenzene	11.005	120	167958	18.932	ppbv	100
65) tert-Butylbenzene	11.548	119	576406	18.498	ppbv	100
66) Benzyl Chloride	11.633	91	46260	17.763	ppbv	99
67) sec-Butylbenzene	11.785	105	829725	18.248	ppbv	100
69) p-Isopropyltoluene	11.943	119	691614	19.375	ppbv	99
70) n-Butylbenzene	12.296	91	698101	19.466	ppbv	99
71) 2-Chlorotoluene	10.917	91	486908	19.398	ppbv	99
72) 4-Ethyltoluene	11.141	105	534215	20.070	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	457438	19.622	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	496746	18.396	ppbv	95
75) 1,3-Dichlorobenzene	11.626	146	286905	15.874	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	289777	16.662	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	280054	14.870	ppbv	100
78) Hexachloro-1,3-Butadiene	13.898	225	191358	14.312	ppbv	99
79) Naphthalene	13.529	128	431155	21.675	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	168205	22.846	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	191178	17.340	ppbv	100

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

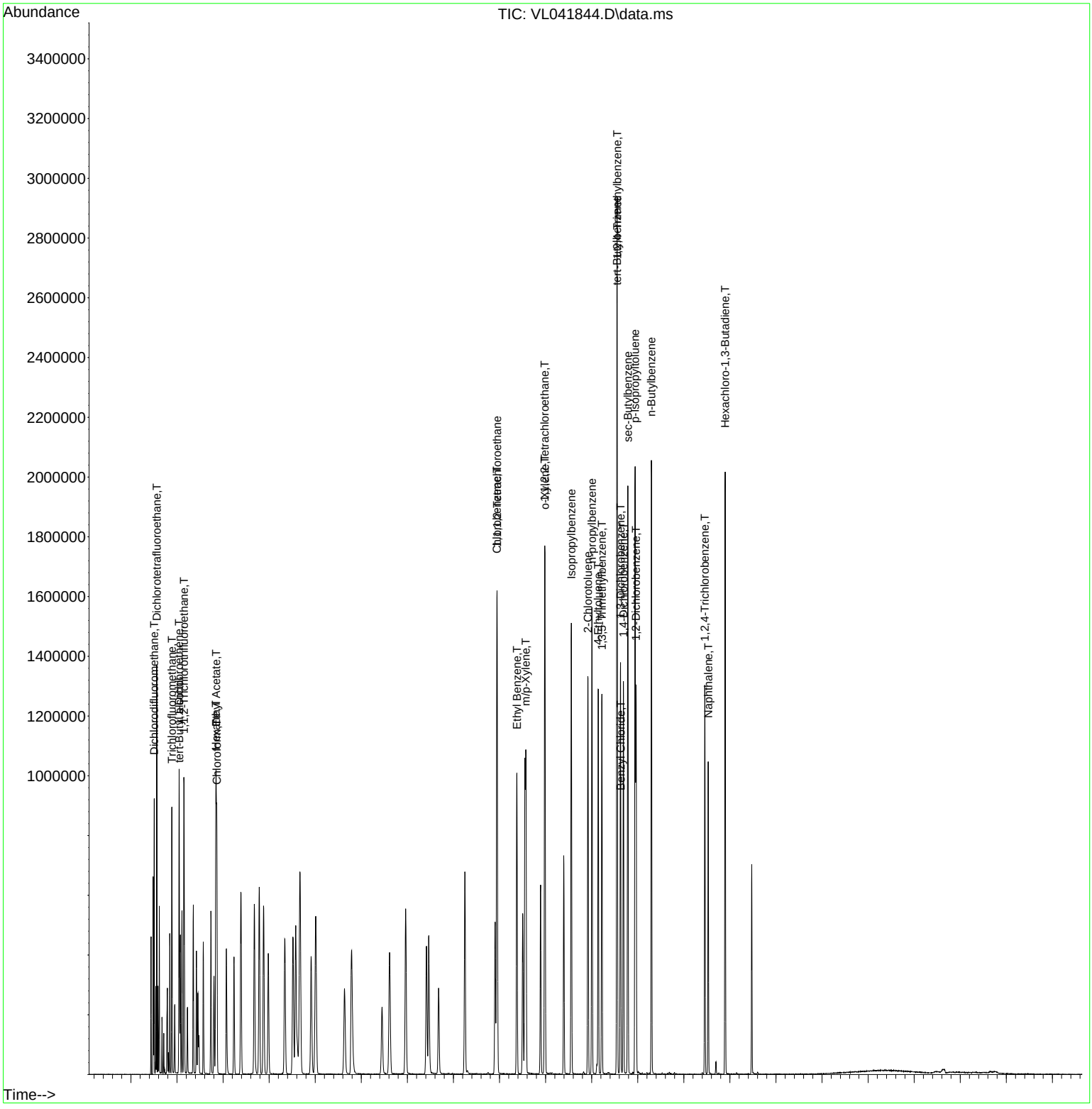
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041844.D
Acq On : 07 Jan 2025 12:25
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 01:23:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041845.D
Acq On : 07 Jan 2025 14:10
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 03:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010725

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	92601	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	213759	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	184732	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	162329	10.260	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	143451	9.441	ppbv	100
3) Chlorodifluoromethane	1.483	51	139125	9.583	ppbv	99
4) Chloromethane	1.538	50	60267	9.646	ppbv	95
5) Vinyl Chloride	1.586	62	56034	8.892	ppbv	99
6) Bromomethane	1.674	94	24662	9.136	ppbv	97
7) Chloroethane	1.712	64	22332	9.206	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	125137	9.546	ppbv	100
9) Propene	1.489	41	50222	9.937	ppbv	100
10) Heptane	5.014	43	147223	11.792	ppbv	99
11) Trichlorofluoromethane	1.887	101	145924	9.445	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	110289	9.585	ppbv	99
13) Ethanol	1.729	45	3821m	5.755	ppbv	
14) Bromoethene	1.790	108	36353	9.651	ppbv	97
15) Acetone	1.845	43	135381	7.941	ppbv	98
16) 1,3-Butadiene	1.615	39	63555	9.507	ppbv	100
17) tert-Butyl alcohol	2.052	59	145313	9.837	ppbv	99
18) 1,1-Dichloroethene	2.046	96	46435	9.639	ppbv	100
19) Isopropyl Alcohol	1.894	45	69422	8.675	ppbv	100
20) Methylene Chloride	2.072	84	41389	8.492	ppbv	97
21) Allyl Chloride	2.107	41	88763	10.107	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	51425	9.551	ppbv	94
23) Vinyl Acetate	2.476	43	49964	9.423	ppbv	97
24) 1,1-Dichloroethane	2.421	63	112770	9.570	ppbv	98
25) Ethyl Acetate	2.852	43	306986	10.738	ppbv	99
26) Hexane	2.842	57	111357	11.223	ppbv	99
27) Carbon Disulfide	2.162	76	105565	11.210	ppbv	96
28) Methyl tert-Butyl Ether	2.454	73	77901	10.417	ppbv	100
29) Chloroform	2.865	83	175788	9.536	ppbv	98
30) Cyclohexane	3.881	84	88761	11.797	ppbv	99
31) cis-1,2-Dichloroethene	2.735	61	106195	10.398	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	164951	9.874	ppbv	99
34) 2-Butanone	2.570	43	174729	10.377	ppbv	99
35) Carbon Tetrachloride	3.784	117	168248	10.414	ppbv	96
36) Benzene	3.680	78	219166	10.733	ppbv	99
37) 1,2-Dichloroethane	3.237	62	135149	10.067	ppbv	100
38) Trichloroethene	4.580	130	82268	10.476	ppbv	99
39) 1,2-Dichloropropane	4.341	63	80184	10.151	ppbv	98
40) 1,4-Dioxane	4.616	88	35756	11.695	ppbv #	95
41) Tetrahydrofuran	3.072	42	94659	11.934	ppbv	99
42) Bromodichloromethane	4.515	83	171595	10.899	ppbv	96
43) Methyl Methacrylate	4.910	69	78647	12.265	ppbv	99
44) 2,2,4-Trimethylpentane	4.667	57	393434	11.694	ppbv	99
45) t-1,3-Dichloropropene	6.451	75	68913	11.008	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041845.D
Acq On : 07 Jan 2025 14:10
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 03:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010725

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	95759	11.616	ppbv	99
47) 1,1,2-Trichloroethane	6.616	97	83220	9.973	ppbv	93
48) Dibromochloromethane	7.415	129	122520	11.520	ppbv	99
49) Bromoform	9.506	173	101879	11.953	ppbv	99
50) 4-Methyl-2-Pentanone	5.794	43	243893m	12.525	ppbv	
51) 2-Hexanone	7.467	43	193644	13.141	ppbv	99
52) Tetrachloroethene	8.250	164	67208	11.100	ppbv	95
53) Toluene	6.965	91	225037	12.382	ppbv	100
54) 1,2-Dibromoethane	7.678	107	110135	10.765	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	109273	10.379	ppbv	99
57) Chlorobenzene	8.943	112	189988	9.844	ppbv	98
58) Ethyl Benzene	9.373	91	326397	12.964	ppbv	97
59) m/p-Xylene	9.574	91	562576m	25.362	ppbv	
60) o-Xylene	9.985	91	278979	12.905	ppbv	99
61) Styrene	9.891	104	112676	13.435	ppbv	99
62) Isopropylbenzene	10.558	105	414931	12.217	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	185879	9.806	ppbv	100
64) n-propylbenzene	11.008	120	107961	12.391	ppbv	99
65) tert-Butylbenzene	11.549	119	379928	12.414	ppbv	98
66) Benzyl Chloride	11.633	91	26131	10.193	ppbv	99
67) sec-Butylbenzene	11.785	105	536668	12.017	ppbv	100
69) p-Isopropyltoluene	11.943	119	435146	12.411	ppbv	99
70) n-Butylbenzene	12.299	91	430545	12.223	ppbv	100
71) 2-Chlorotoluene	10.921	91	304622	12.356	ppbv	100
72) 4-Ethyltoluene	11.144	105	330541	12.644	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	287547	12.558	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	320339	12.078	ppbv	90
75) 1,3-Dichlorobenzene	11.626	146	178940	10.080	ppbv	100
76) 1,4-Dichlorobenzene	11.691	146	178959	10.476	ppbv	100
77) 1,2-Dichlorobenzene	11.966	146	178111	9.629	ppbv	100
78) Hexachloro-1,3-Butadiene	13.898	225	113955	8.677	ppbv	99
79) Naphthalene	13.529	128	241962	12.385	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	69167	9.565	ppbv	97
81) 1,2,4-Trichlorobenzene	13.458	180	111710	10.316	ppbv	99

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

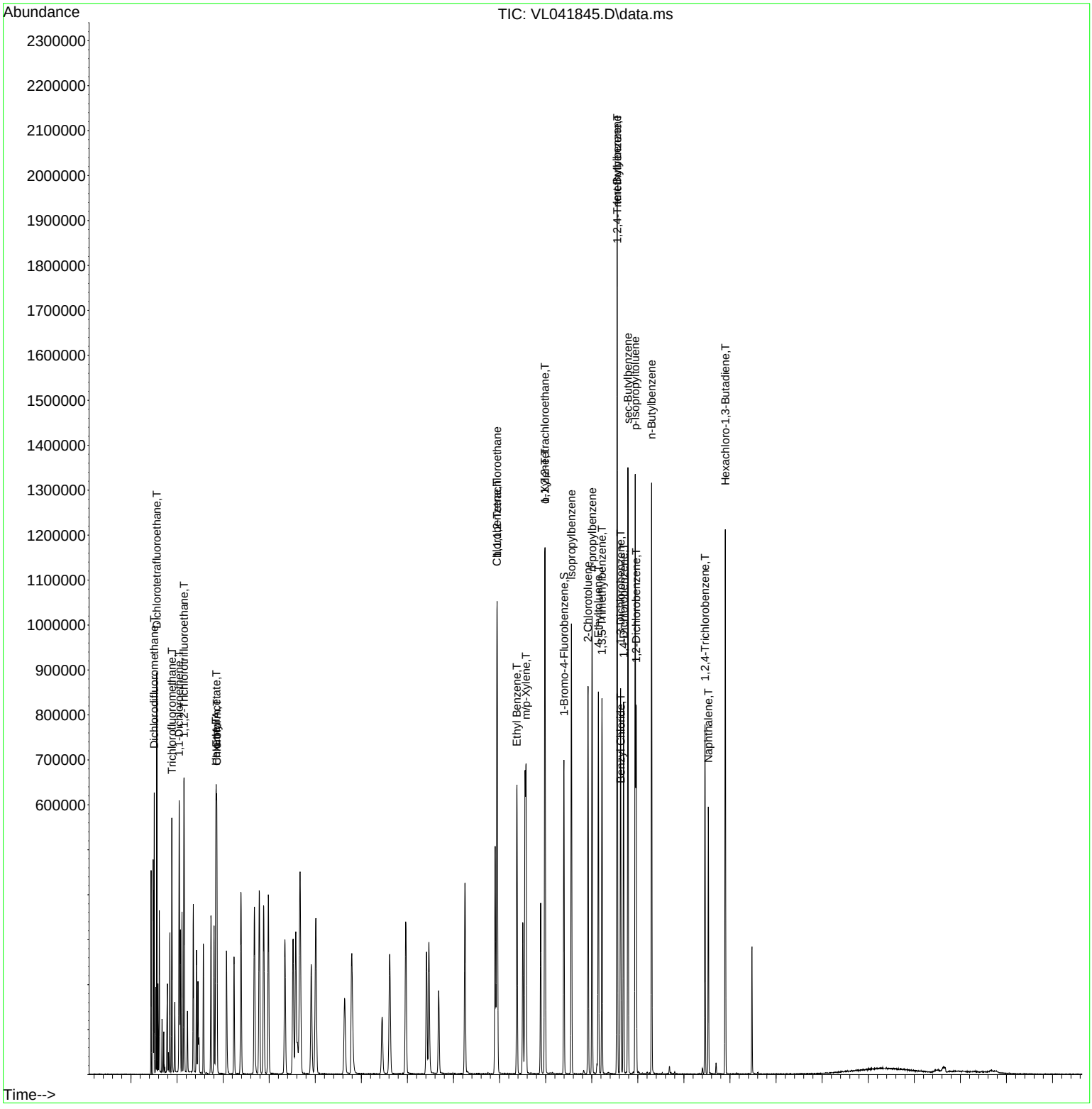
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041845.D
Acq On : 07 Jan 2025 14:10
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 03:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041845.D
Acq On : 07 Jan 2025 14:10
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010725

Quant Time: Jan 08 03:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 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	95	0.00
2	T	Dichlorodifluoromethane	1.641	1.549	5.6	99	0.00
3		Chlorodifluoromethane	1.568	1.502	4.2	102	0.00
4		Chloromethane	0.675	0.651	3.6	101	0.00
5	T	Vinyl Chloride	0.681	0.605	11.2	102	0.00
6	T	Bromomethane	0.292	0.266	8.9	96	0.00
7		Chloroethane	0.262	0.241	8.0	102	0.00
8	T	Dichlorotetrafluoroethane	1.416	1.351	4.6	99	0.00
9	T	Propene	0.546	0.542	0.7	104	0.00
10	T	Heptane	1.348	1.590	-18.0	99	0.00
11	T	Trichlorofluoromethane	1.668	1.576	5.5	99	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.243	1.191	4.2	100	0.00
13		Ethanol	0.072	0.041#	43.1#	106	0.00
14	T	Bromoethene	0.407	0.393	3.4	98	0.00
15	T	Acetone	1.841	1.462	20.6	102	0.00
16	T	1,3-Butadiene	0.722	0.686	5.0	102	0.00
17		tert-Butyl alcohol	1.595	1.569	1.6	102	0.00
18	T	1,1-Dichloroethene	0.520	0.501	3.7	100	0.00
19	T	Isopropyl Alcohol	0.864	0.750	13.2	103	0.00
20	T	Methylene Chloride	0.526	0.447	15.0	101	0.00
21	T	Allyl Chloride	0.948	0.959	-1.2	100	0.00
22	T	trans-1,2-Dichloroethene	0.581	0.555	4.5	100	0.00
23	T	Vinyl Acetate	0.573	0.540	5.8	97	0.00
24	T	1,1-Dichloroethane	1.273	1.218	4.3	100	0.00
25	T	Ethyl Acetate	3.087	3.315	-7.4	102	0.00
26	T	Hexane	1.072	1.203	-12.2	101	0.00
27	T	Carbon Disulfide	1.017	1.140	-12.1	101	0.00
28	T	Methyl tert-Butyl Ether	0.808	0.841	-4.1	106	0.00
29	T	Chloroform	1.991	1.898	4.7	101	0.00
30	T	Cyclohexane	0.813	0.959	-18.0	102	0.00
31	T	cis-1,2-Dichloroethene	1.103	1.147	-4.0	101	0.00
32	T	1,1,1-Trichloroethane	1.804	1.781	1.3	100	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
34	T	2-Butanone	0.788	0.817	-3.7	103	0.00
35	T	Carbon Tetrachloride	0.756	0.787	-4.1	98	0.00
36	T	Benzene	0.955	1.025	-7.3	101	0.00
37	T	1,2-Dichloroethane	0.628	0.632	-0.6	98	0.00
38	T	Trichloroethene	0.367	0.385	-4.9	101	0.00
39	T	1,2-Dichloropropane	0.370	0.375	-1.4	100	0.00
40	T	1,4-Dioxane	0.143	0.167	-16.8	103	0.00
41	T	Tetrahydrofuran	0.371	0.443	-19.4	103	0.00
42	T	Bromodichloromethane	0.737	0.803	-9.0	100	0.00
43		Methyl Methacrylate	0.300	0.368	-22.7	101	0.00
44	T	2,2,4-Trimethylpentane	1.574	1.841	-17.0	101	0.00
45	T	t-1,3-Dichloropropene	0.293	0.322	-9.9	97	0.01
46	T	cis-1,3-Dichloropropene	0.386	0.448	-16.1	98	0.00
47	T	1,1,2-Trichloroethane	0.390	0.389	0.3	98	0.00
48	T	Dibromochloromethane	0.498	0.573	-15.1	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041845.D
Acq On : 07 Jan 2025 14:10
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010725

Quant Time: Jan 08 03:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 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	0.399	0.477	-19.5	100	0.00
50	T	4-Methyl-2-Pentanone	0.911	1.141	-25.2	103	0.00
51	T	2-Hexanone	0.689	0.906	-31.5#	101	0.00
52	T	Tetrachloroethene	0.283	0.314	-11.0	100	0.00
53	T	Toluene	0.850	1.053	-23.9	99	0.00
54	T	1,2-Dibromoethane	0.479	0.515	-7.5	100	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	0.570	0.592	-3.9	102	0.00
57	T	Chlorobenzene	1.045	1.028	1.6	98	0.00
58	T	Ethyl Benzene	1.363	1.767	-29.6	100	0.00
59	T	m/p-Xylene	1.201	1.523	-26.8	100	0.00
60	T	o-Xylene	1.170	1.510	-29.1	99	0.00
61	T	Styrene	0.454	0.610	-34.4#	100	0.00
62		Isopropylbenzene	1.839	2.246	-22.1	99	0.00
63	T	1,1,2,2-Tetrachloroethane	1.026	1.006	1.9	99	0.00
64		n-propylbenzene	0.472	0.584	-23.7	99	0.00
65		tert-Butylbenzene	1.657	2.057	-24.1	101	0.00
66	T	Benzyl Chloride	0.139	0.141	-1.4	92	0.00
67		sec-Butylbenzene	2.417	2.905	-20.2	99	0.00
68	S	1-Bromo-4-Fluorobenzene	0.856	0.879	-2.7	91	0.00
69		p-Isopropyltoluene	1.898	2.356	-24.1	97	0.00
70		n-Butylbenzene	1.907	2.331	-22.2	97	0.00
71		2-Chlorotoluene	1.335	1.649	-23.5	98	0.00
72	T	4-Ethyltoluene	1.415	1.789	-26.4	97	0.00
73	T	1,3,5-Trimethylbenzene	1.239	1.557	-25.7	98	0.00
74	T	1,2,4-Trimethylbenzene	1.436	1.734	-20.8	98	0.00
75	T	1,3-Dichlorobenzene	0.961	0.969	-0.8	95	0.00
76	T	1,4-Dichlorobenzene	0.925	0.969	-4.8	96	0.00
77	T	1,2-Dichlorobenzene	1.001	0.964	3.7	96	0.00
78	T	Hexachloro-1,3-Butadiene	0.711	0.617	13.2	95	0.00
79	T	Naphthalene	1.058	1.310	-23.8	91	0.00
80	T	Naphthalene,2-methyl-	0.391	0.374	4.3	87	0.00
81	T	1,2,4-Trichlorobenzene	0.586	0.605	-3.2	95	0.00

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041846.D
Acq On : 07 Jan 2025 15:55
Operator : SY/MD
Sample : VL0107ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0107ABL01

Quant Time: Jan 08 03:55:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

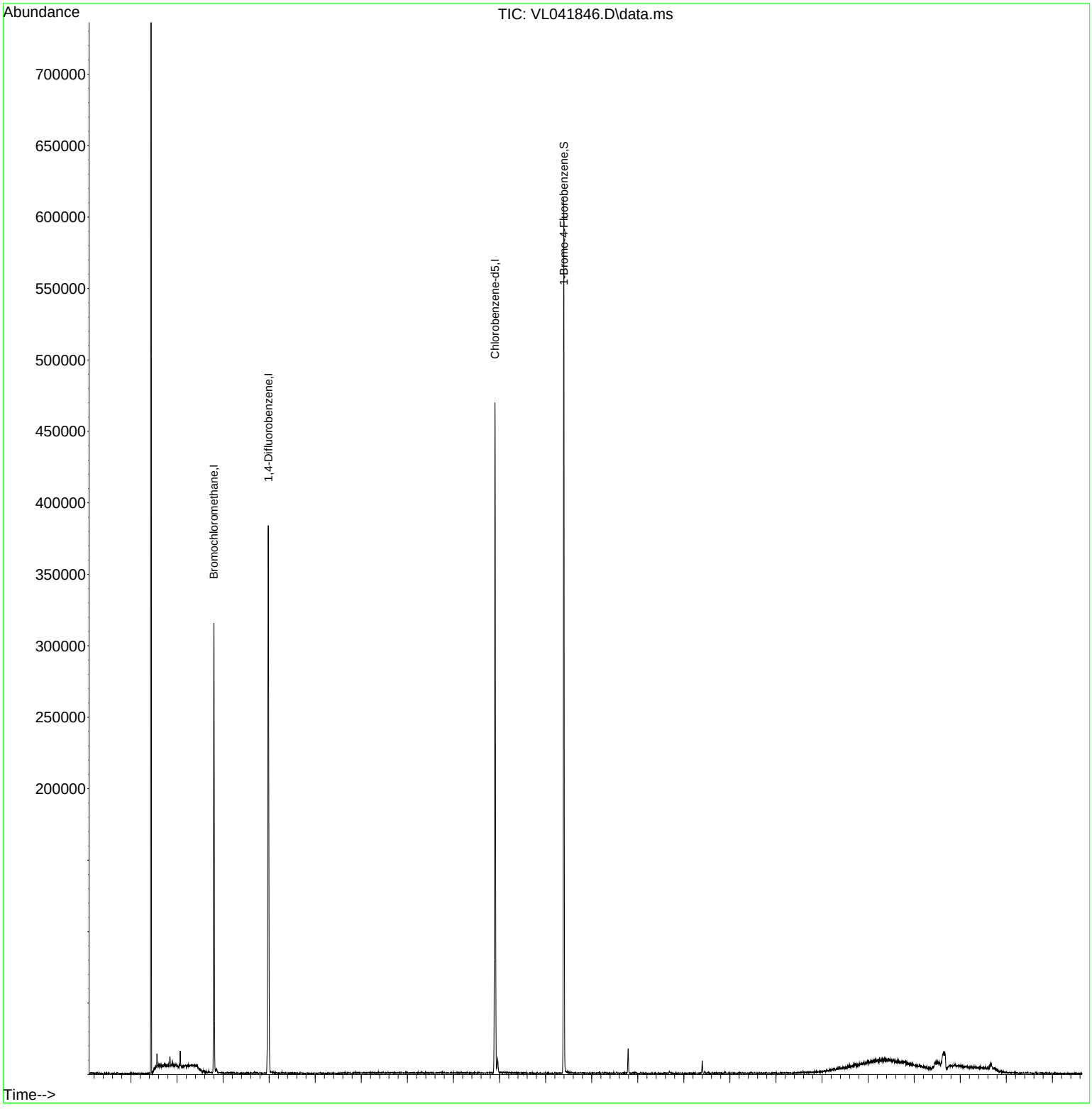
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	90245	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	205689	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	171847	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	136731	9.290	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.900%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041846.D
Acq On : 07 Jan 2025 15:55
Operator : SY/MD
Sample : VL0107ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0107ABL01

Quant Time: Jan 08 03:55:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041853.D
Acq On : 07 Jan 2025 20:06
Operator : SY/MD
Sample : QC010225 CAN 10443
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC010225 CAN 10443

Quant Time: Jan 08 03:58:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

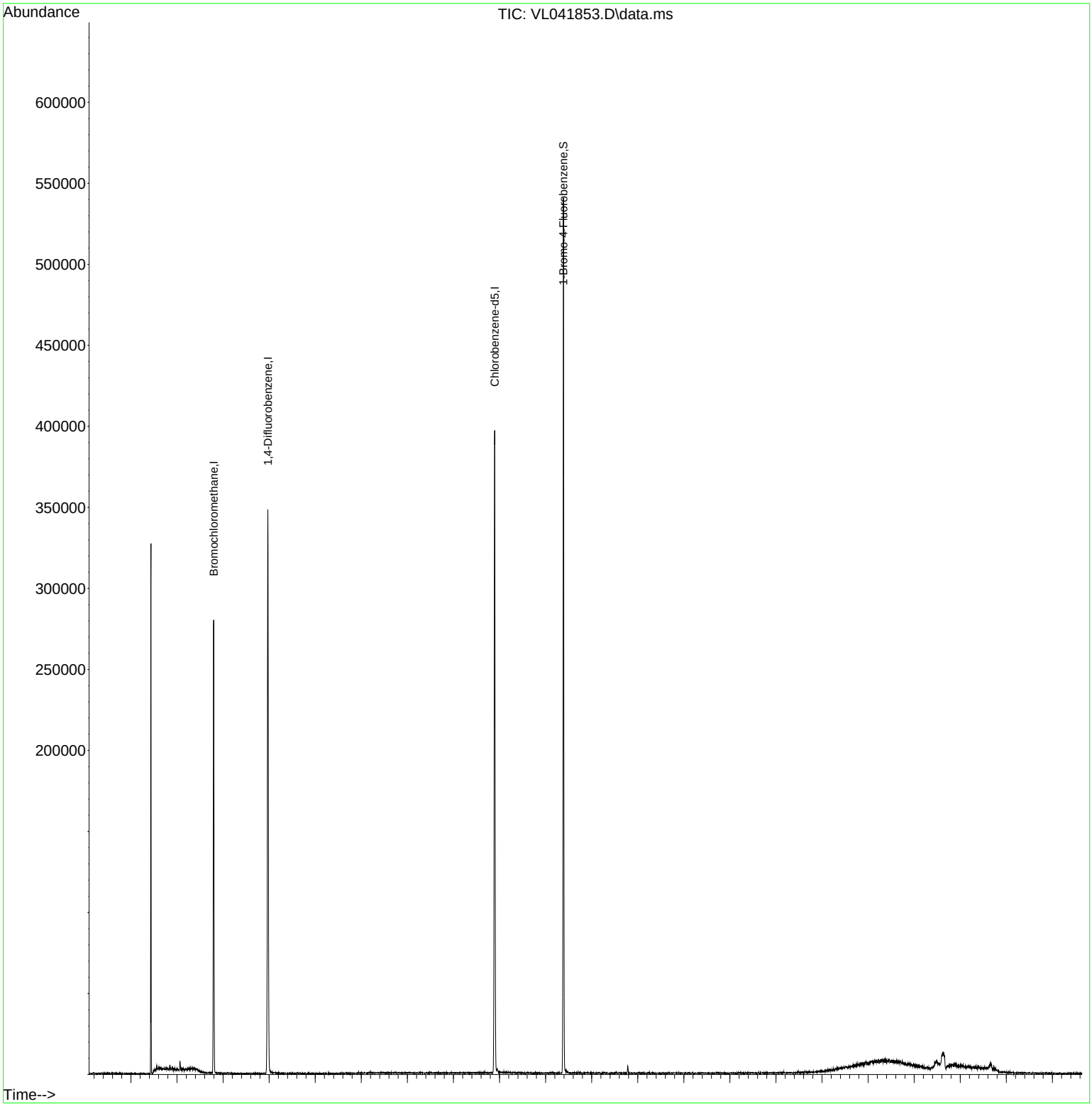
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	81209	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	170521	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	142124	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	115326	9.474	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.700%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041853.D
Acq On : 07 Jan 2025 20:06
Operator : SY/MD
Sample : QC010225 CAN 10443
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC010225 CAN 10443

Quant Time: Jan 08 03:58:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041854.D
Acq On : 07 Jan 2025 20:36
Operator : SY/MD
Sample : VL0107ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 03:58:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0107ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	85990	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	194920	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	165772	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	151241	10.652	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	146771	10.402	ppbv	99
3) Chlorodifluoromethane	1.479	51	135919	10.082	ppbv	99
4) Chloromethane	1.534	50	60366	10.404	ppbv	97
5) Vinyl Chloride	1.583	62	53590	9.158	ppbv	99
6) Bromomethane	1.670	94	24581	9.806	ppbv	99
7) Chloroethane	1.709	64	22309	9.903	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	125331	10.296	ppbv	100
9) Propene	1.486	41	45656	9.728	ppbv	99
10) Heptane	4.994	43	144790	12.489	ppbv	98
11) Trichlorofluoromethane	1.881	101	148270	10.335	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	109192	10.219	ppbv	99
13) Ethanol	1.725	45	2779	4.507	ppbv	92
14) Bromoethene	1.787	108	35736	10.216	ppbv	98
15) Acetone	1.839	43	135237	8.542	ppbv	97
16) 1,3-Butadiene	1.612	39	65023	10.474	ppbv	96
17) tert-Butyl alcohol	2.046	59	138354	10.086	ppbv	100
18) 1,1-Dichloroethene	2.039	96	43896	9.812	ppbv	95
19) Isopropyl Alcohol	1.890	45	64033	8.616	ppbv	99
20) Methylene Chloride	2.065	84	40402	8.927	ppbv	95
21) Allyl Chloride	2.101	41	85878	10.530	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	50124	10.025	ppbv	91
23) Vinyl Acetate	2.470	43	41833	8.496	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	113470	10.369	ppbv	99
25) Ethyl Acetate	2.842	43	295219	11.120	ppbv	99
26) Hexane	2.835	57	105115	11.408	ppbv	95
27) Carbon Disulfide	2.156	76	104740	11.977	ppbv	100
28) Methyl tert-Butyl Ether	2.447	73	66688	9.603	ppbv	100
29) Chloroform	2.858	83	173121	10.114	ppbv	98
30) Cyclohexane	3.871	84	83245	11.914	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	97209	10.250	ppbv	99
32) 1,1,1-Trichloroethane	3.379	97	158450	10.214	ppbv	99
34) 2-Butanone	2.564	43	162772	10.601	ppbv	99
35) Carbon Tetrachloride	3.774	117	168870	11.463	ppbv	96
36) Benzene	3.667	78	205594	11.041	ppbv	97
37) 1,2-Dichloroethane	3.227	62	132576	10.830	ppbv	99
38) Trichloroethene	4.564	130	76911	10.741	ppbv	94
39) 1,2-Dichloropropane	4.331	63	76980	10.687	ppbv	96
40) 1,4-Dioxane	4.599	88	31586	11.330	ppbv #	79
41) Tetrahydrofuran	3.065	42	87142	12.048	ppbv	99
42) Bromodichloromethane	4.502	83	168564	11.741	ppbv	97
43) Methyl Methacrylate	4.900	69	72301	12.365	ppbv	99
44) 2,2,4-Trimethylpentane	4.654	57	383142	12.488	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	62730	10.988	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041854.D
Acq On : 07 Jan 2025 20:36
Operator : SY/MD
Sample : VL0107ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 03:58:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0107ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	85898	11.427	ppbv	95
47) 1,1,2-Trichloroethane	6.596	97	82732	10.873	ppbv	94
48) Dibromochloromethane	7.402	129	118547	12.224	ppbv	96
49) Bromoform	9.496	173	99742	12.834	ppbv	100
50) 4-Methyl-2-Pentanone	5.771	43	231659	13.046	ppbv	100
51) 2-Hexanone	7.454	43	185684	13.818	ppbv	99
52) Tetrachloroethene	8.237	164	63814	11.558	ppbv	96
53) Toluene	6.952	91	214221	12.926	ppbv	99
54) 1,2-Dibromoethane	7.668	107	106412	11.406	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.936	131	107865	11.417	ppbv	99
57) Chlorobenzene	8.933	112	187743	10.840	ppbv	93
58) Ethyl Benzene	9.367	91	312700	13.840	ppbv	100
59) m/p-Xylene	9.561	91	559970m	28.132	ppbv	
60) o-Xylene	9.975	91	277919	14.326	ppbv	99
61) Styrene	9.882	104	105876	14.068	ppbv	99
62) Isopropylbenzene	10.548	105	412478	13.534	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	186060	10.938	ppbv	99
64) n-propylbenzene	10.998	120	106028	13.560	ppbv	97
65) tert-Butylbenzene	11.542	119	378118	13.768	ppbv	99
66) Benzyl Chloride	11.626	91	25930	11.271	ppbv	99
67) sec-Butylbenzene	11.778	105	533436	13.311	ppbv	100
69) p-Isopropyltoluene	11.934	119	433960	13.793	ppbv	100
70) n-Butylbenzene	12.290	91	435228	13.769	ppbv	99
71) 2-Chlorotoluene	10.911	91	299922	13.557	ppbv	99
72) 4-Ethyltoluene	11.134	105	332097	14.156	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	286930	13.965	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	317547	13.342	ppbv #	79
75) 1,3-Dichlorobenzene	11.616	146	181271	11.380	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	180588	11.781	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	178366	10.745	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	115209	9.776	ppbv	99
79) Naphthalene	13.523	128	241512	13.776	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	56888	8.767	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	107489	11.062	ppbv	99

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

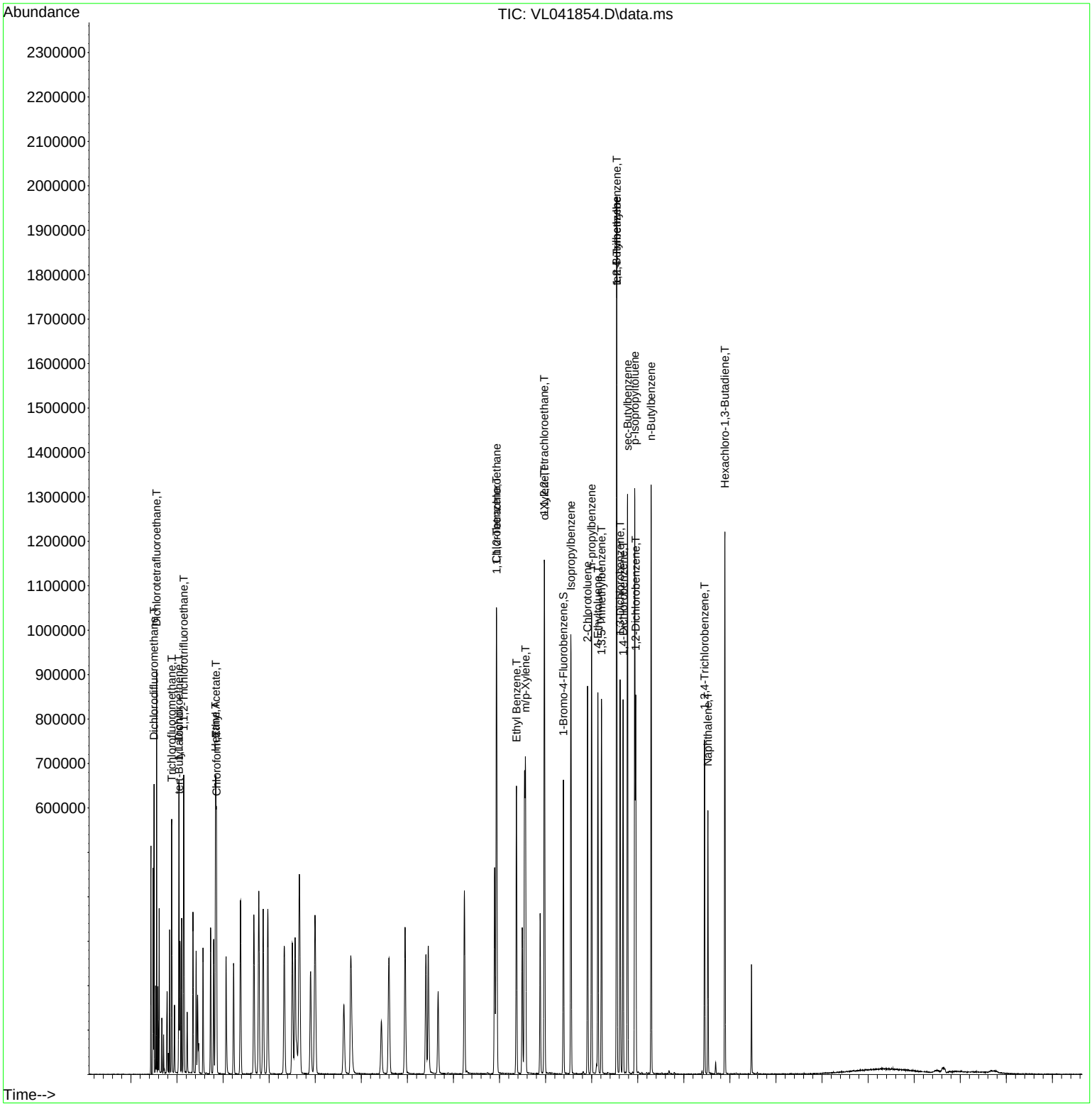
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041854.D
Acq On : 07 Jan 2025 20:36
Operator : SY/MD
Sample : VL0107ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 03:58:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0107ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



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 # VL010725

Review By	Semsettin Yesilyurt	Review On	1/9/2025 1:01:35 PM				
Supervise By	Mahesh Dadoda	Supervise On	1/9/2025 1:12:38 PM				
SubDirectory	VL010725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL010725AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2570
Initial Calibration Stds	AP2566,AP2567,AP2568
CCC	AP2566
Internal Standard/PEM	AP2570
ICV/I.BLK	AP2564
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041836.D	07 Jan 2025 08:06	SY/MD	Ok
2	VSTDICC0.5	VL041837.D	07 Jan 2025 08:48	SY/MD	Not Ok
3	VSTDICCC010	VL041838.D	07 Jan 2025 09:18	SY/MD	Ok,M
4	VSTDICC002	VL041839.D	07 Jan 2025 09:51	SY/MD	Ok,M
5	VSTDICC001	VL041840.D	07 Jan 2025 10:21	SY/MD	Ok,M
6	VSTDICC0.5	VL041841.D	07 Jan 2025 10:52	SY/MD	Ok,M
7	VSTDICC0.1	VL041842.D	07 Jan 2025 11:22	SY/MD	Ok,M
8	VSTDICC0.03	VL041843.D	07 Jan 2025 11:52	SY/MD	Ok,M
9	VSTDICC015	VL041844.D	07 Jan 2025 12:25	SY/MD	Ok,M
10	VSTDICV010	VL041845.D	07 Jan 2025 14:10	SY/MD	Ok,M
11	VL0107ABL01	VL041846.D	07 Jan 2025 15:55	SY/MD	Ok
12	Q1031-02	VL041847.D	07 Jan 2025 16:59	SY/MD	Ok,M
13	Q1031-02DUP	VL041848.D	07 Jan 2025 17:33	SY/MD	Ok,M
14	Q1031-01	VL041849.D	07 Jan 2025 18:03	SY/MD	Not Ok
15	Q1031-01DL	VL041850.D	07 Jan 2025 18:34	SY/MD	Not Ok
16	Q1031-01	VL041851.D	07 Jan 2025 19:05	SY/MD	Ok,M
17	QC010225 CAN 10443	VL041852.D	07 Jan 2025 19:35	SY/MD	Not Ok
18	QC010225 CAN 10443	VL041853.D	07 Jan 2025 20:06	SY/MD	Ok
19	VL0107ABS01	VL041854.D	07 Jan 2025 20:36	SY/MD	Ok,M
20	VL0107ABS02	VL041855.D	07 Jan 2025 21:30	SY/MD	Not Ok
21	VIBLK	VL041856.D	07 Jan 2025 22:01	SY/MD	Ok

M : Manual Integration

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Feb 25 10:10:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	161135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	422655	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	374249	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	285943	9.263	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	152005	5.480	ppbv	99
3) Chlorodifluoromethane	1.479	51	211185	6.887	ppbv	96
4) Chloromethane	1.538	50	55364	5.136	ppbv	98
5) Vinyl Chloride	1.586	62	54228	4.207	ppbv	98
6) Bromomethane	1.674	94	25846	5.173	ppbv	90
7) Chloroethane	1.709	64	21717	5.169	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	125595	5.147	ppbv	94
9) Propene	1.489	41	84038	6.357	ppbv	97
10) Heptane	5.007	43	267860	7.296	ppbv	97
11) Trichlorofluoromethane	1.884	101	152112	5.449	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	112374	5.162	ppbv	93
13) Ethanol	1.729	45	3178	2.131	ppbv	85
14) Bromoethene	1.787	108	42461	5.223	ppbv	99
15) Acetone	1.842	43	115085	4.327	ppbv	95
16) 1,3-Butadiene	1.615	39	57707	4.574	ppbv	100
17) tert-Butyl alcohol	2.049	59	153073	4.651	ppbv	100
18) 1,1-Dichloroethene	2.043	96	51534	4.954	ppbv	95
19) Isopropyl Alcohol	1.894	45	67445	4.522	ppbv	98
20) Methylene Chloride	2.069	84	41998	4.195	ppbv	94
21) Allyl Chloride	2.104	41	86723	4.504	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	57617	5.104	ppbv	96
23) Vinyl Acetate	2.473	43	83866	5.823	ppbv	98
24) 1,1-Dichloroethane	2.418	63	107817	4.704	ppbv	100
25) Ethyl Acetate	2.852	43	511505	7.007	ppbv	99
26) Hexane	2.839	57	206577	7.052	ppbv	98
27) Carbon Disulfide	2.159	76	137978	5.008	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	84091	4.696	ppbv	98
29) Chloroform	2.862	83	277411	6.538	ppbv	96
30) Cyclohexane	3.875	84	173351	7.295	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	199354	6.886	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	285335	6.064	ppbv	98
34) 2-Butanone	2.570	43	292449	8.043	ppbv	100
35) Carbon Tetrachloride	3.781	117	276677	6.741	ppbv	97
36) Benzene	3.674	78	409501	7.999	ppbv	98
37) 1,2-Dichloroethane	3.234	62	219829	7.543	ppbv	100
38) Trichloroethene	4.570	130	159933	7.689	ppbv	93
39) 1,2-Dichloropropane	4.337	63	151036	8.047	ppbv	99
40) 1,4-Dioxane	4.609	88	69399	7.105	ppbv #	76
41) Tetrahydrofuran	3.072	42	176830	8.509	ppbv	95
42) Bromodichloromethane	4.512	83	312250	7.908	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Feb 25 10:10:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.907	69	165494	7.091	ppbv		97
44) 2,2,4-Trimethylpentane	4.661	57	705920	8.122	ppbv		97
45) t-1,3-Dichloropropene	6.444	75	166207	7.544	ppbv		91
46) cis-1,3-Dichloropropene	5.629	75	218294	7.809	ppbv		99
47) 1,1,2-Trichloroethane	6.610	97	152556	7.723	ppbv		97
48) Dibromochloromethane	7.412	129	251213	7.593	ppbv		99
49) Bromoform	9.503	173	222057	8.183	ppbv		98
50) 4-Methyl-2-Pentanone	5.787	43	428434	7.666	ppbv		100
51) 2-Hexanone	7.464	43	352331	7.709	ppbv	#	96
52) Tetrachloroethene	8.244	164	138263	7.743	ppbv		94
53) Toluene	6.959	91	460041	7.541	ppbv		97
54) 1,2-Dibromoethane	7.678	107	211395	7.772	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.943	131	188811	7.049	ppbv		97
57) Chlorobenzene	8.940	112	340525	7.735	ppbv		97
58) Ethyl Benzene	9.374	91	633939	7.739	ppbv		98
59) m/p-Xylene	9.552	91	504964	7.827	ppbv	#	31
60) o-Xylene	9.982	91	493069	7.557	ppbv		97
61) Styrene	9.888	104	246161	7.912	ppbv		98
62) Isopropylbenzene	10.555	105	736884	7.522	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.979	83	317313	7.538	ppbv		100
64) n-propylbenzene	11.005	120	196044	8.145	ppbv		90
65) tert-Butylbenzene	11.545	119	648698	7.596	ppbv		97
66) Benzyl Chloride	11.630	91	57345	6.699	ppbv	#	97
67) sec-Butylbenzene	11.782	105	928863	7.744	ppbv		99
69) p-Isopropyltoluene	11.940	119	756264	7.702	ppbv		98
70) n-Butylbenzene	12.296	91	774646	8.009	ppbv		99
71) 2-Chlorotoluene	10.918	91	566619	7.681	ppbv		97
72) 4-Ethyltoluene	11.141	105	606538	7.934	ppbv		98
73) 1,3,5-Trimethylbenzene	11.219	105	516875	7.838	ppbv		100
74) 1,2,4-Trimethylbenzene	11.552	105	550412	7.777	ppbv		98
75) 1,3-Dichlorobenzene	11.623	146	325160	8.535	ppbv		97
76) 1,4-Dichlorobenzene	11.685	146	322404	8.678	ppbv		97
77) 1,2-Dichlorobenzene	11.963	146	312942	8.593	ppbv		96
78) Hexachloro-1,3-Butadiene	13.895	225	238217	7.907	ppbv		100
79) Naphthalene	13.526	128	513192	7.372	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	210405	6.676	ppbv		95
81) 1,2,4-Trichlorobenzene	13.455	180	241031	8.517	ppbv		99

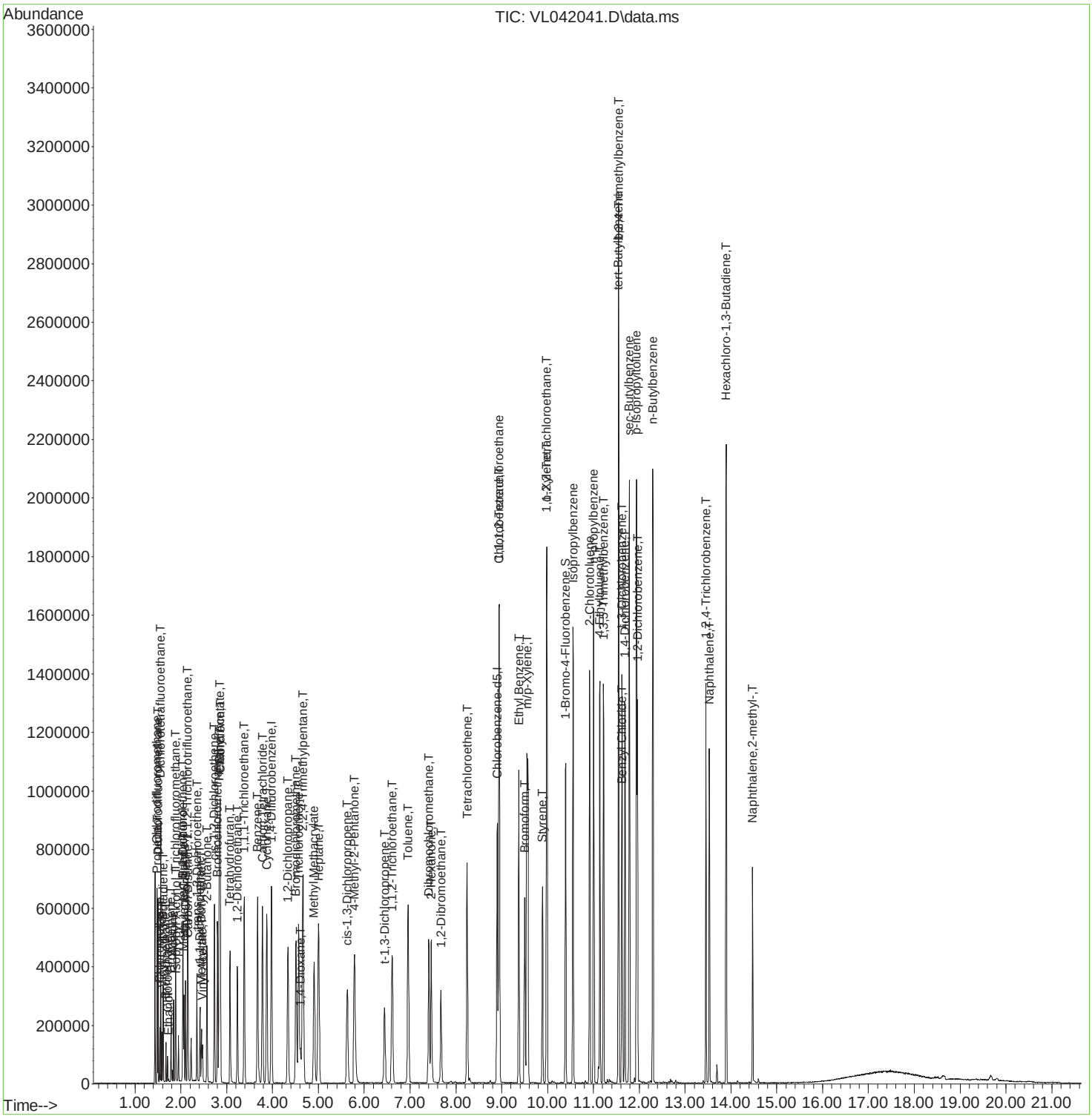
(#) = qualifier out of range (m) = manual integration (+) = signals summed

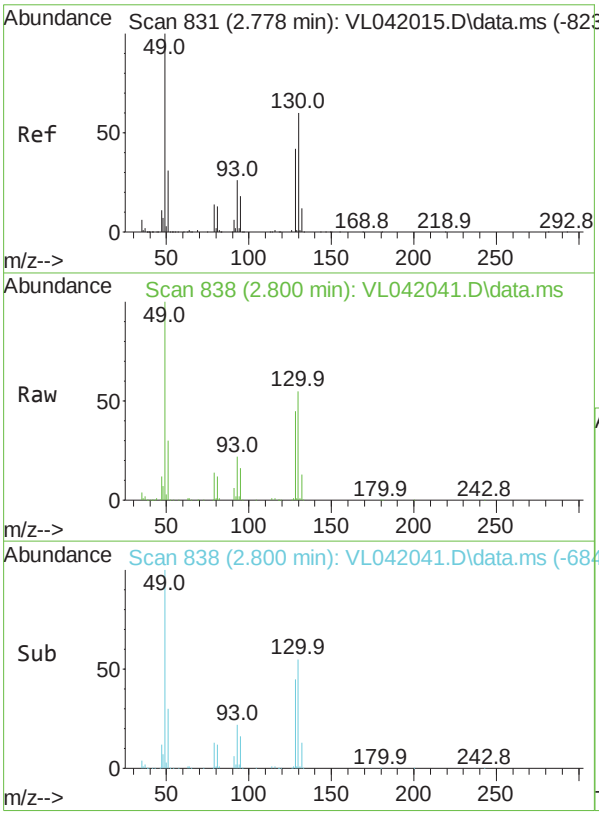
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Feb 25 10:10:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration



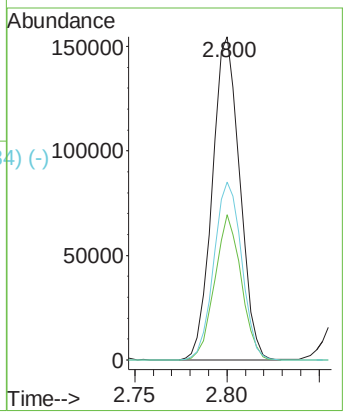


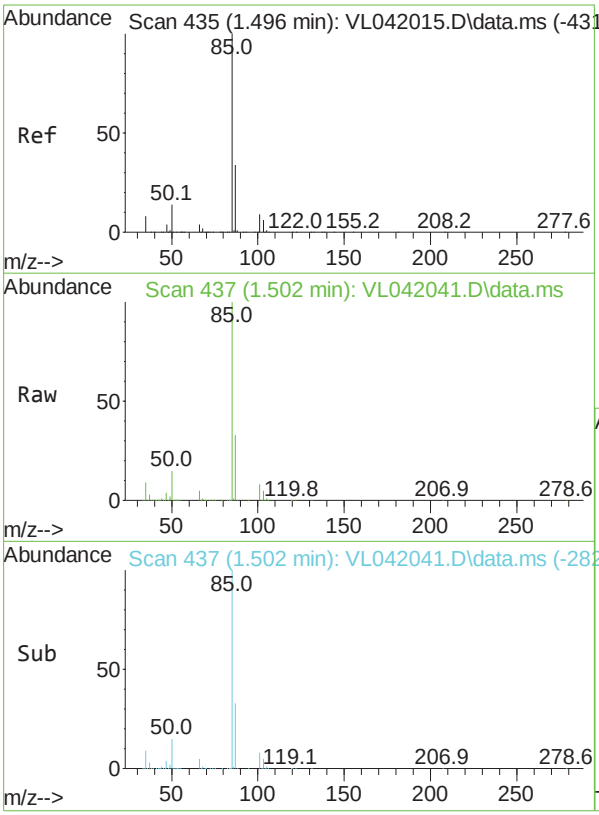
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 161135

Ion	Ratio	Lower	Upper
49	100		
128	43.2	22.7	68.0
130	55.6	29.9	89.8

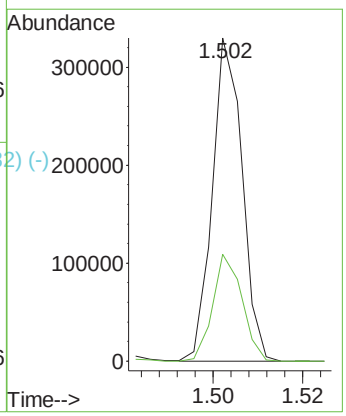


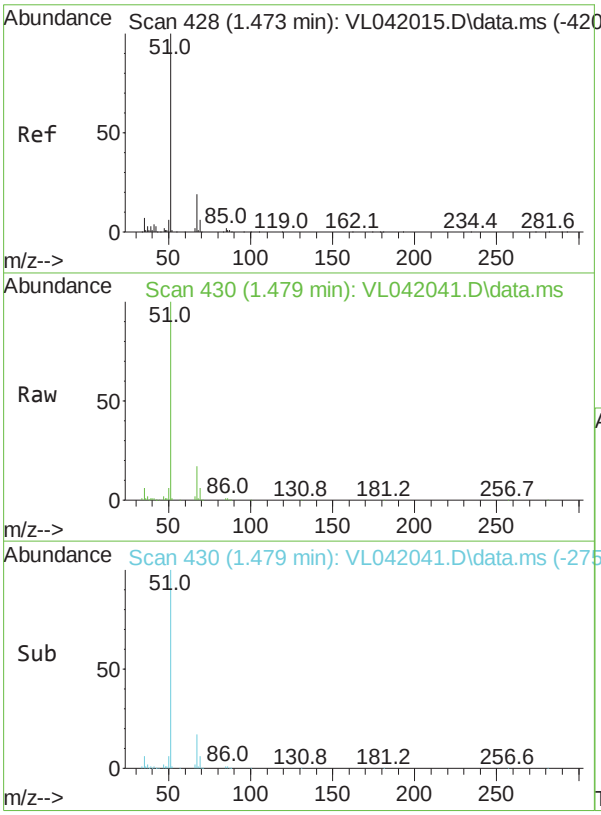


#2
Dichlorodifluoromethane
Concen: 5.480 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 85 Resp: 152005

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.9	40.3



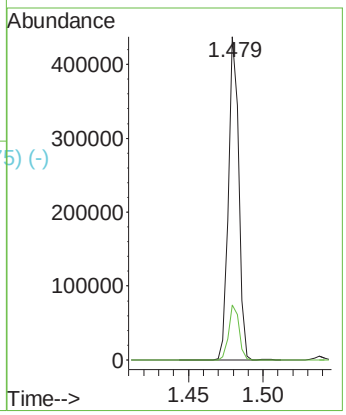


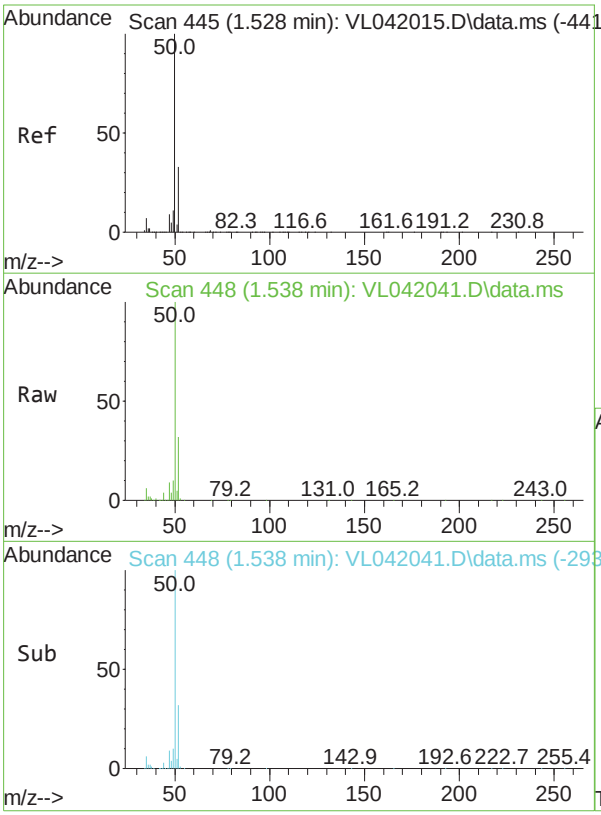
#3
Chlorodifluoromethane
Concen: 6.887 ppbv
RT: 1.479 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 211185

Ion	Ratio	Lower	Upper
51	100		
67	17.1	15.0	22.6

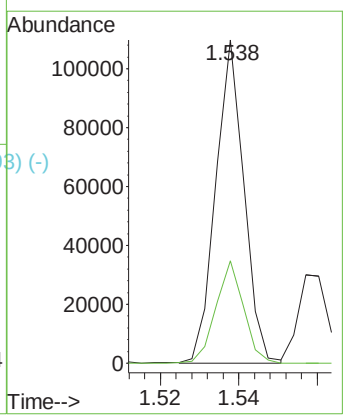


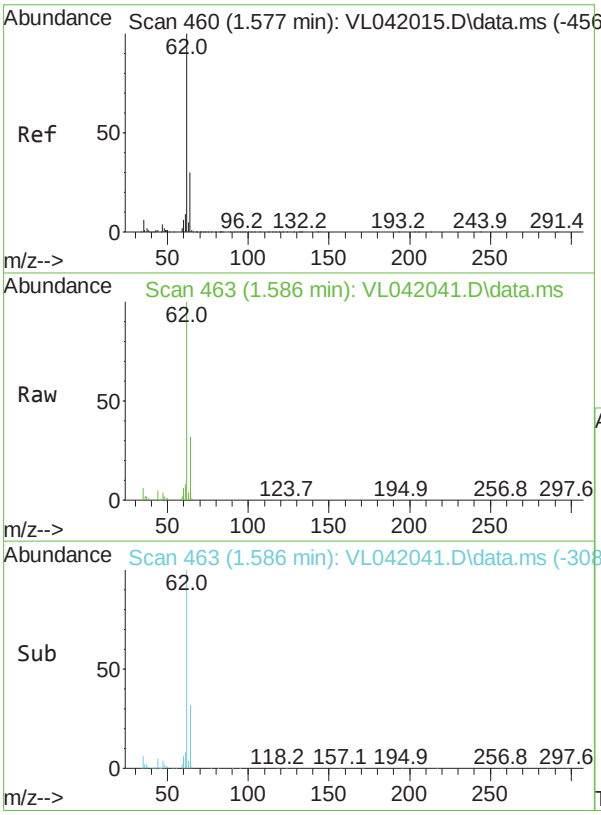


#4
Chloromethane
Concen: 5.136 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 50 Resp: 55364

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.2	39.2



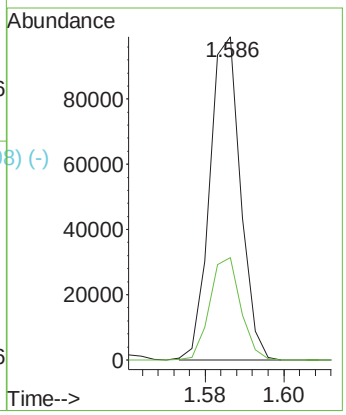


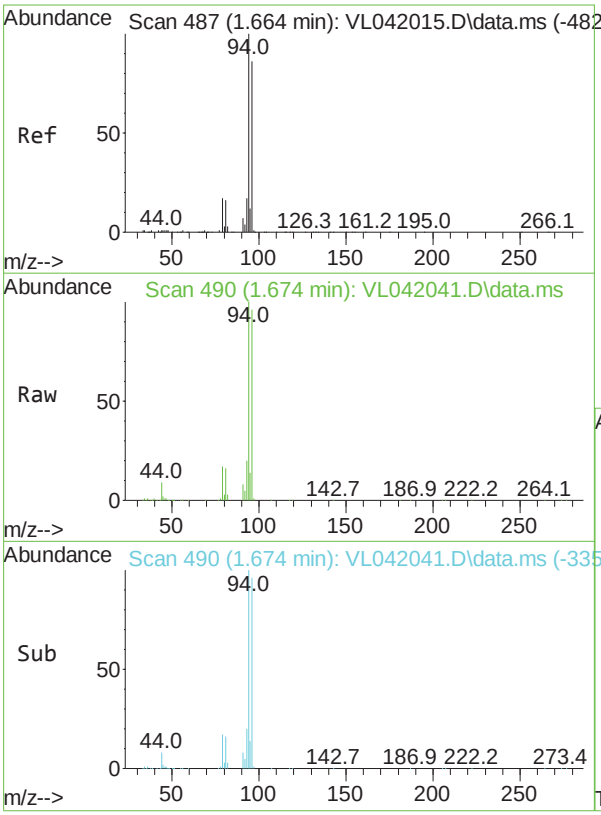
#5
Vinyl Chloride
Concen: 4.207 ppbv
RT: 1.586 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 54228

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.4	36.6

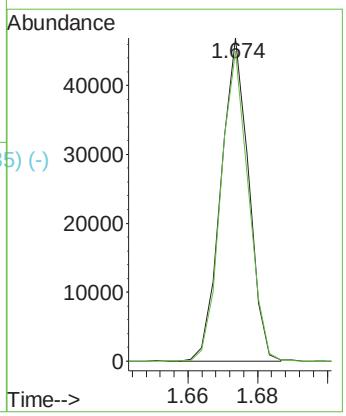


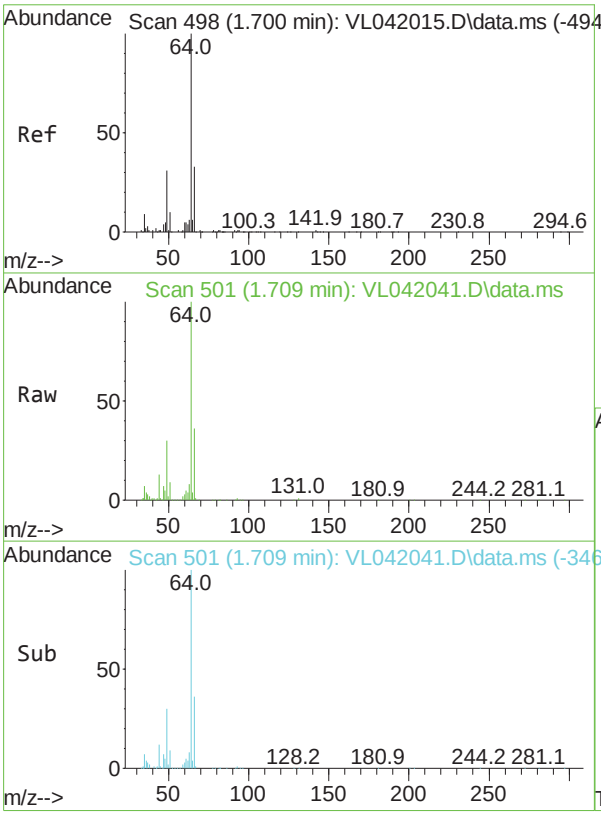


#6
Bromomethane
Concen: 5.173 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 94 Resp: 25846

Ion	Ratio	Lower	Upper
94	100		
96	95.6	69.0	103.6



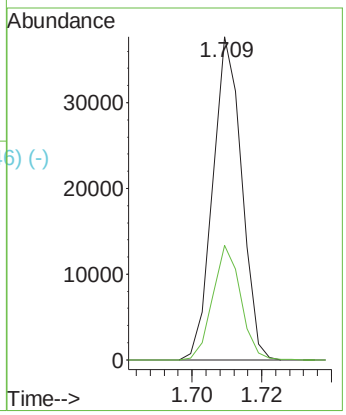


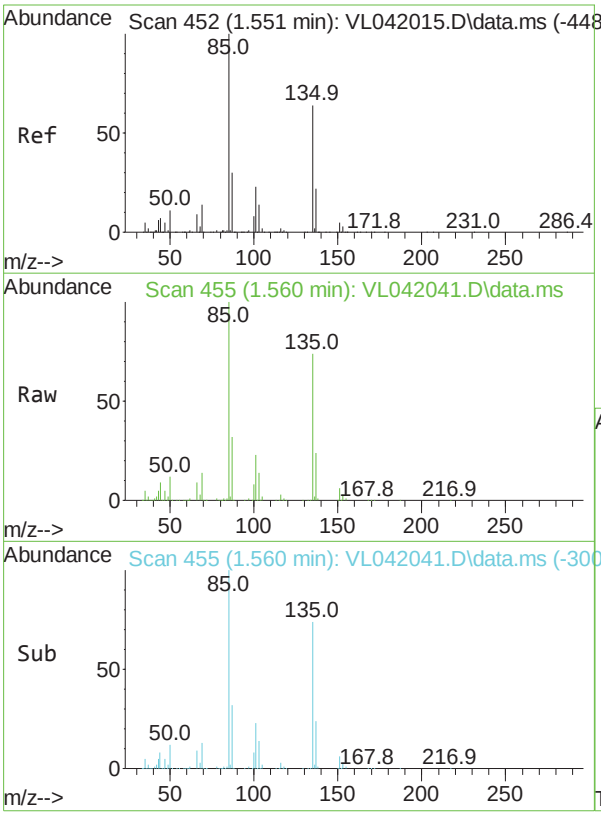
#7
Chloroethane
Concen: 5.169 ppbv
RT: 1.709 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 21717

Ion	Ratio	Lower	Upper
64	100		
66	35.5	26.5	39.7

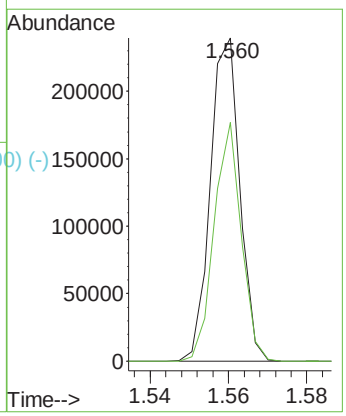


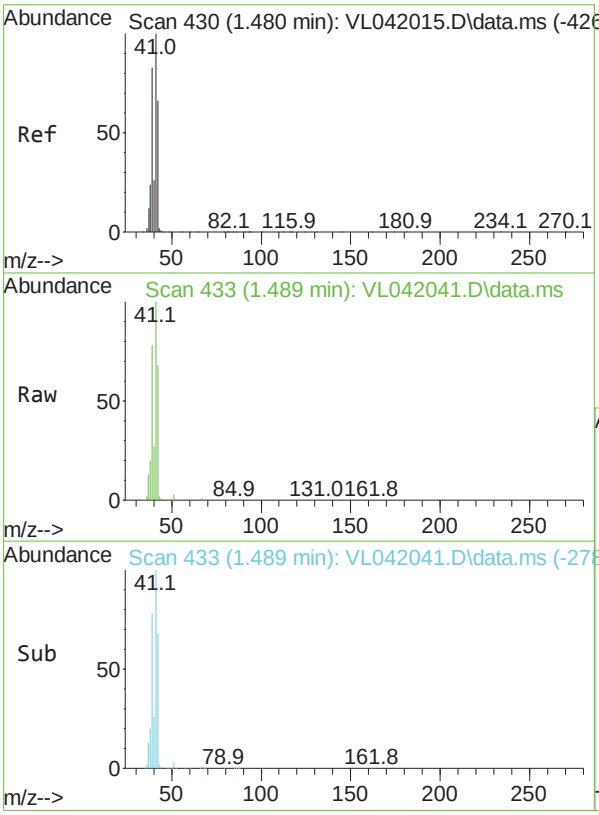


#8
Dichlorotetrafluoroethane
Concen: 5.147 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 85 Resp: 125595

Ion	Ratio	Lower	Upper
85	100		
135	68.2	50.9	76.3



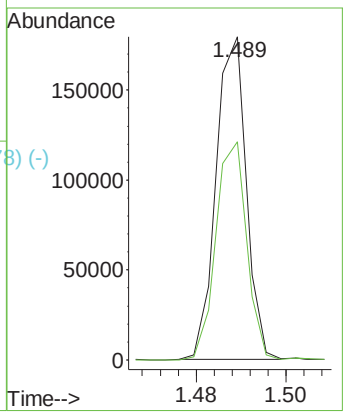


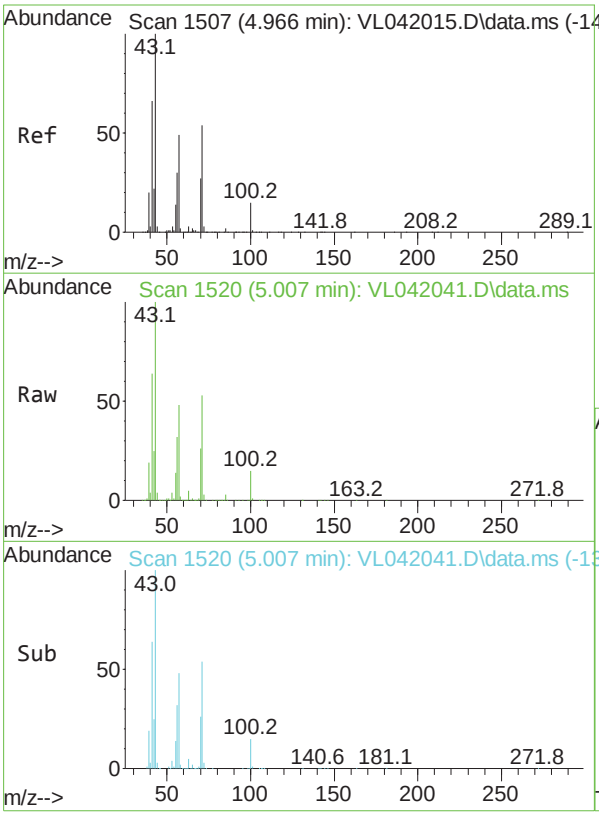
#9
Propene
Concen: 6.357 ppbv
RT: 1.489 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 84038

Ion	Ratio	Lower	Upper
41	100		
42	69.7	53.5	80.3

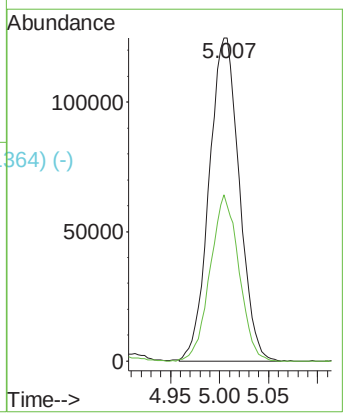


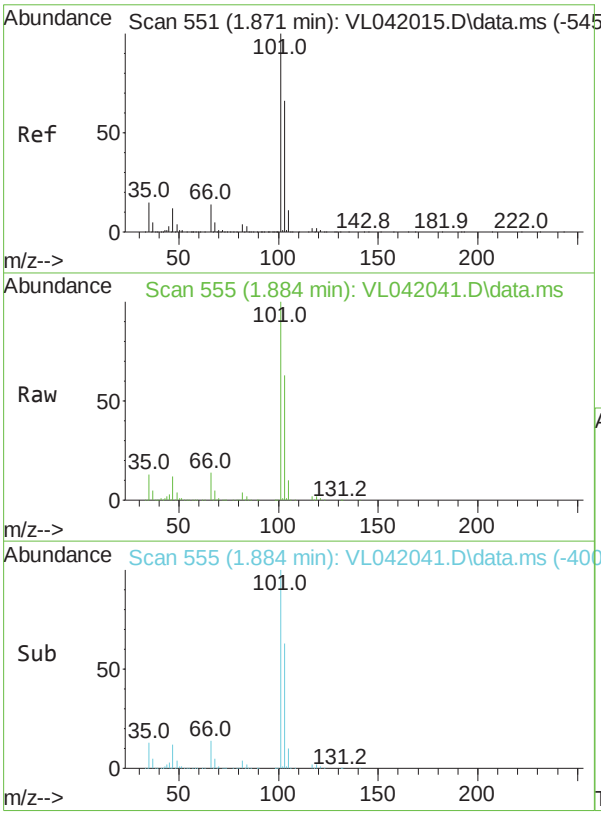


#10
Heptane
Concen: 7.296 ppbv
RT: 5.007 min Scan# 1520
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 267860

Ion	Ratio	Lower	Upper
43	100		
57	49.2	41.0	61.6



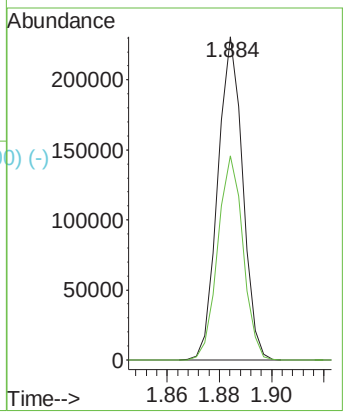


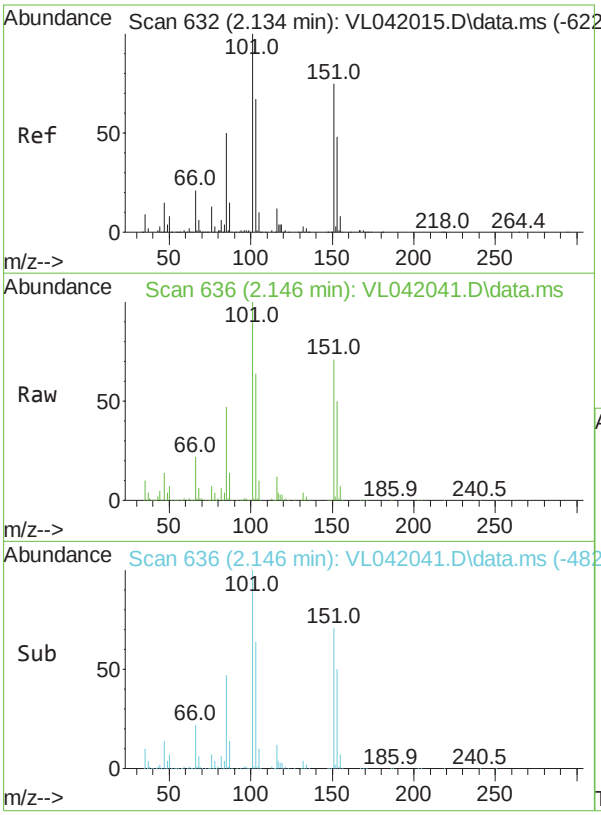
#11
Trichlorofluoromethane
Concen: 5.449 ppbv
RT: 1.884 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 152112

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.9	79.3

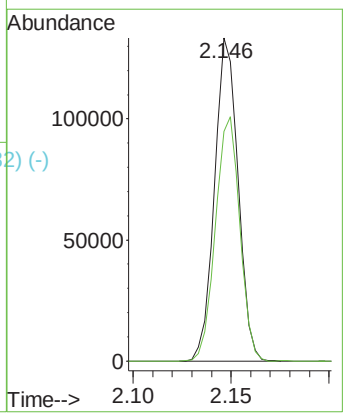


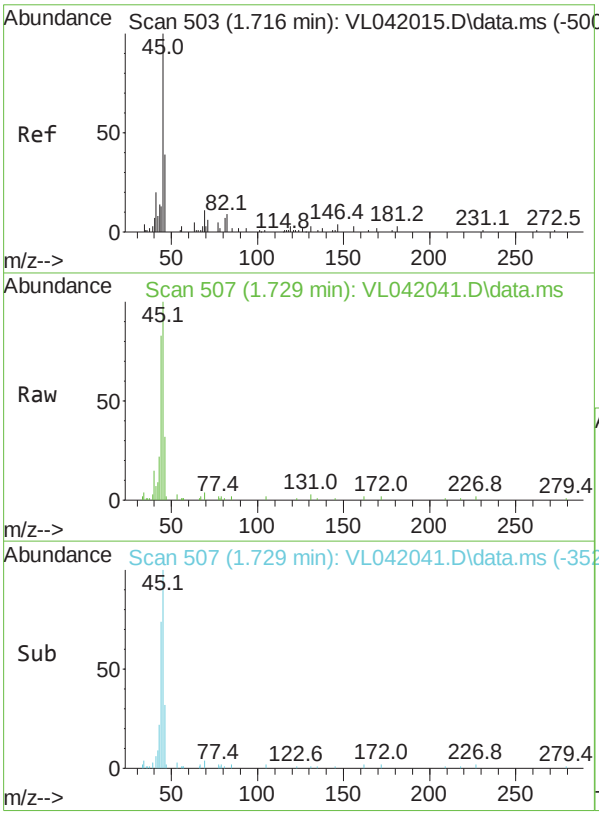


#12
1,1,2-Trichlorotrifluoroethane
Concen: 5.162 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:101 Resp: 112374

Ion	Ratio	Lower	Upper
101	100		
151	78.3	58.2	87.2



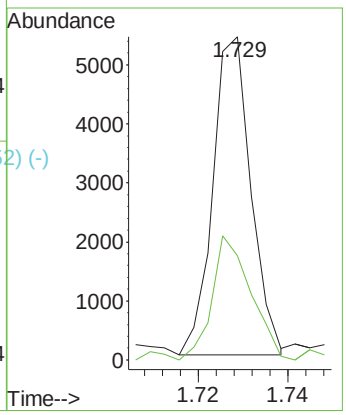


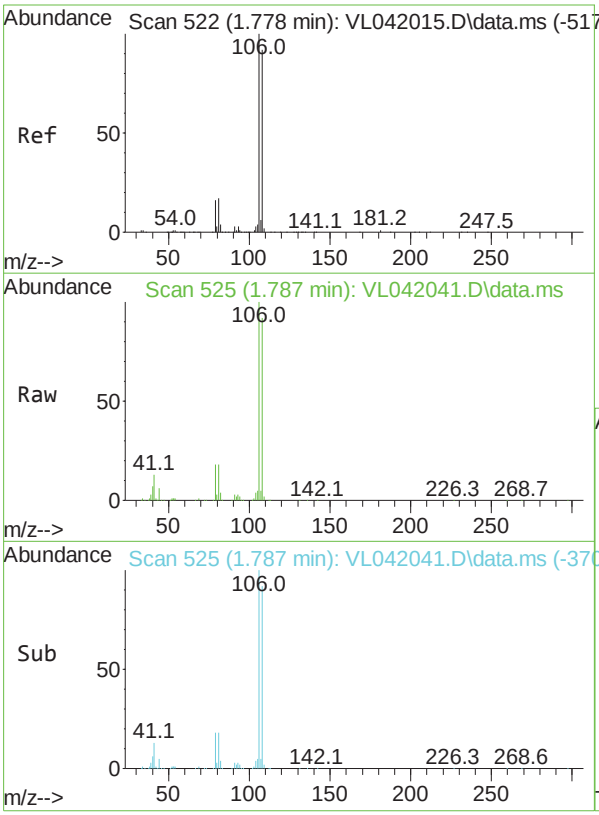
#13
Ethanol
Concen: 2.131 ppbv
RT: 1.729 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 3178

Ion	Ratio	Lower	Upper
45	100		
46	42.7	21.3	85.1

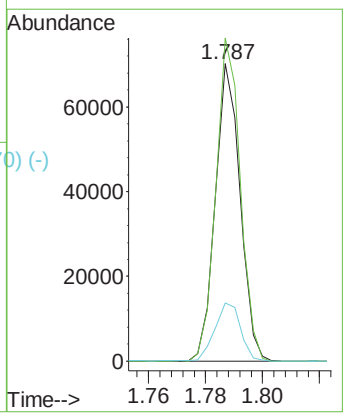


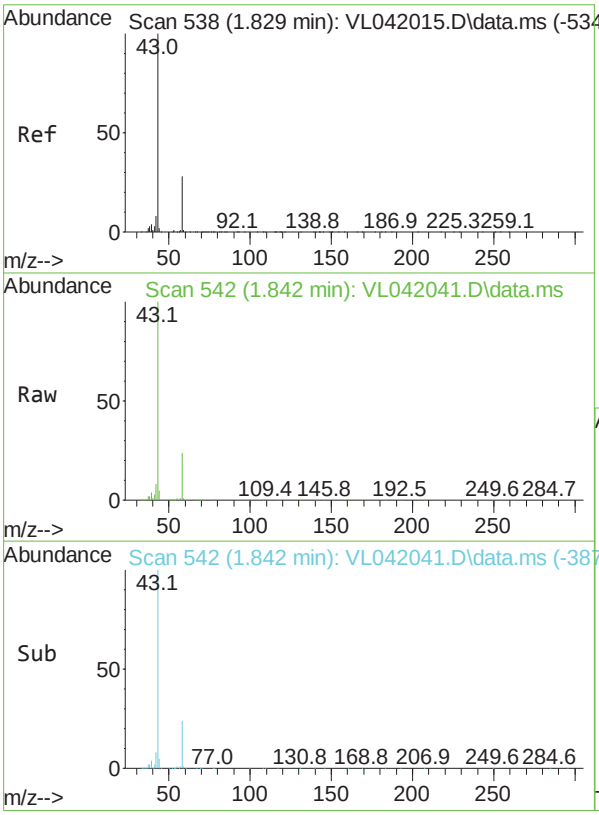


#14
Bromoethene
Concen: 5.223 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:108 Resp: 42461

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.0	127.6
79	20.6	17.3	25.9



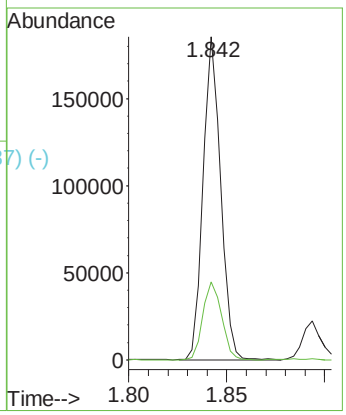


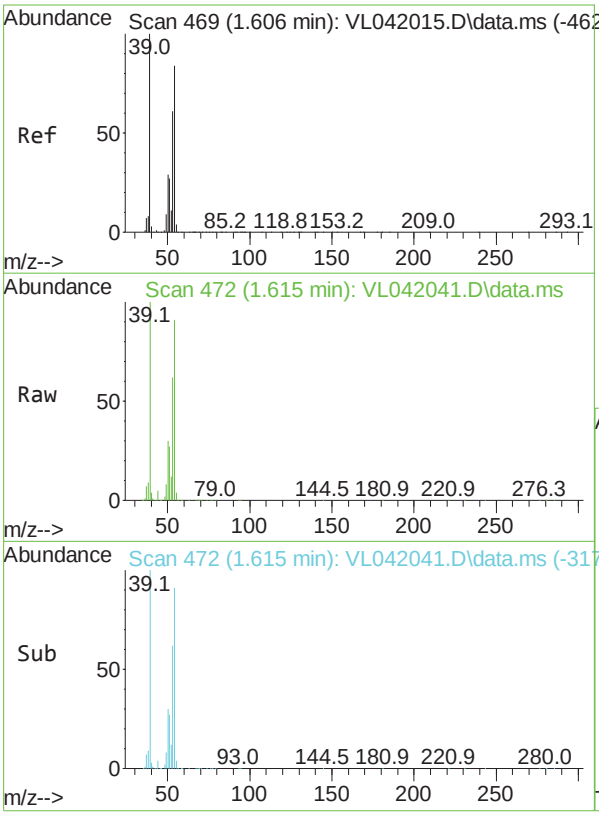
#15
Acetone
Concen: 4.327 ppbv
RT: 1.842 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 115085

Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.9	34.3

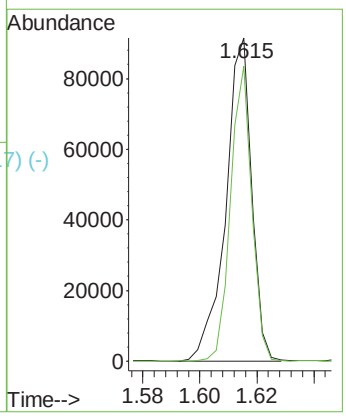


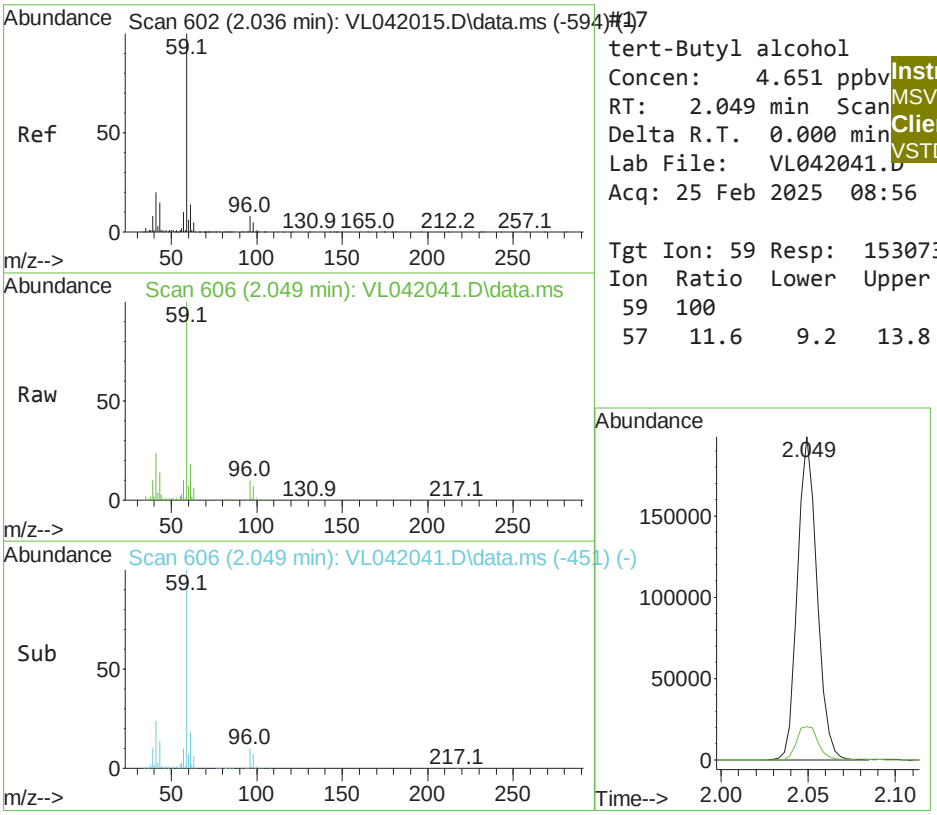


#16
1,3-Butadiene
Concen: 4.574 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 39 Resp: 57707

Ion	Ratio	Lower	Upper
39	100		
54	74.5	59.4	89.2



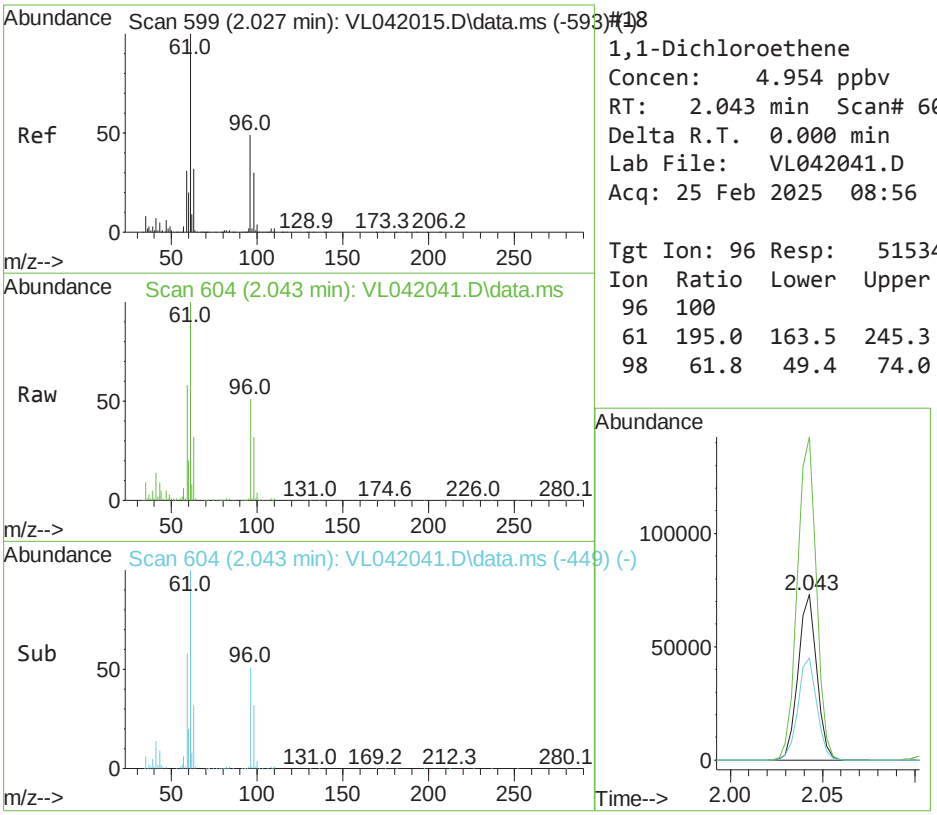


#17
tert-Butyl alcohol
Concen: 4.651 ppbv
RT: 2.049 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 153073

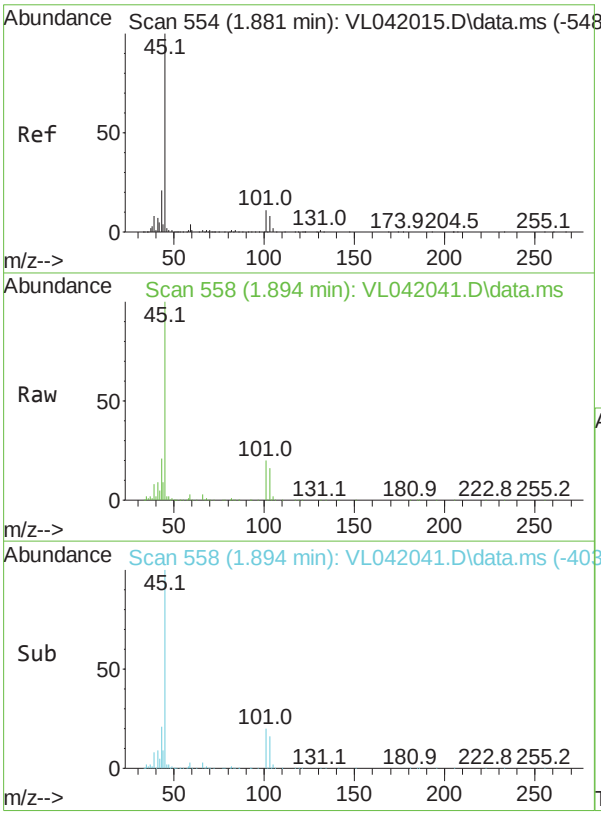
Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.2	13.8



#18
1,1-Dichloroethene
Concen: 4.954 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 96 Resp: 51534

Ion	Ratio	Lower	Upper
96	100		
61	195.0	163.5	245.3
98	61.8	49.4	74.0

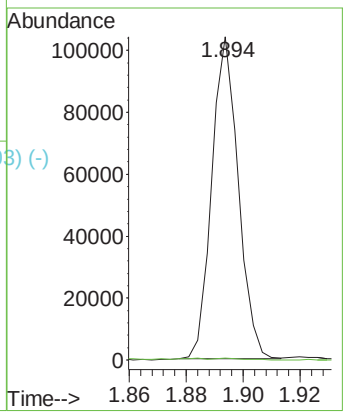


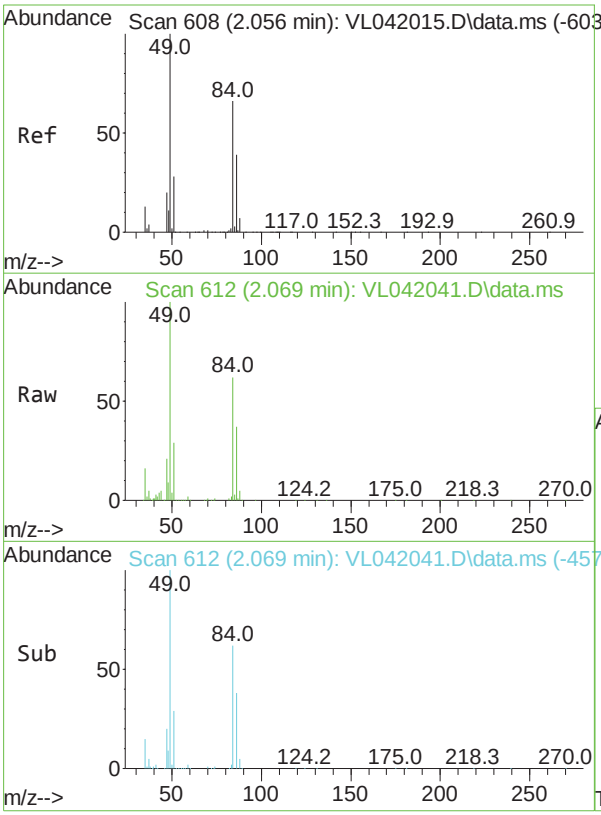
#19
Isopropyl Alcohol
Concen: 4.522 ppbv
RT: 1.894 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 67445

Ion	Ratio	Lower	Upper
45	100		
58	44.1	36.2	54.4

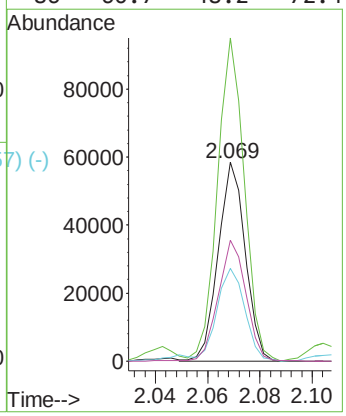


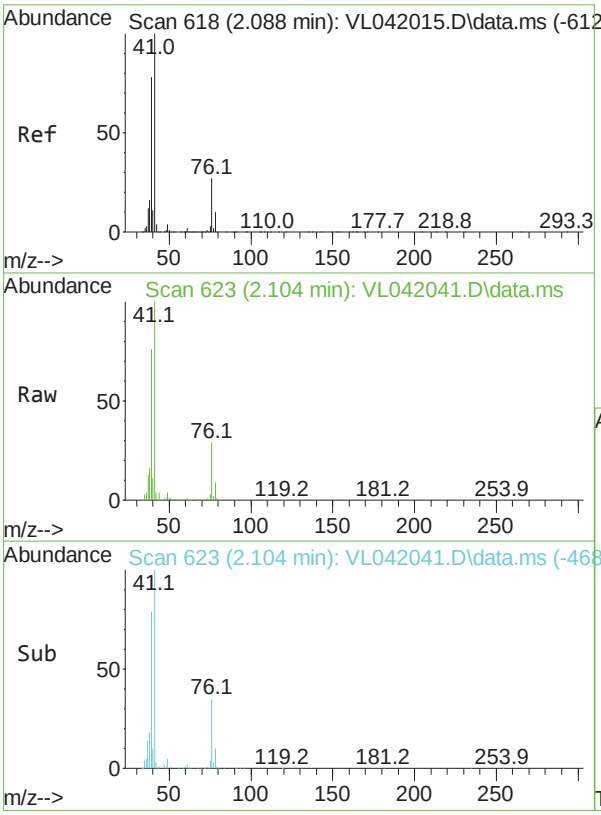


#20
Methylene Chloride
Concen: 4.195 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 84 Resp: 41998

Ion	Ratio	Lower	Upper
84	100		
49	162.5	121.0	181.4
51	46.7	35.1	52.7
86	60.7	48.2	72.4



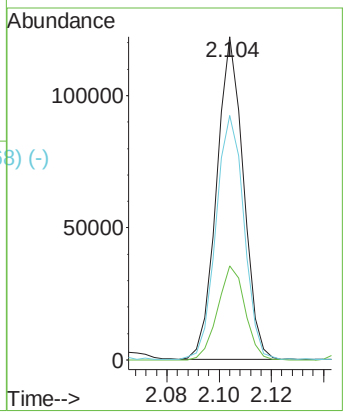


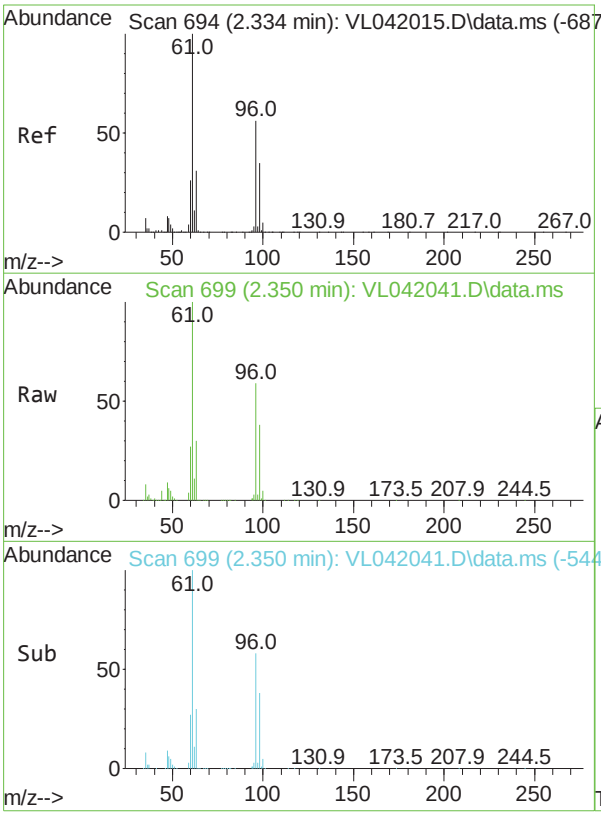
#21
Allyl Chloride
Concen: 4.504 ppbv
RT: 2.104 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 86723

Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.7	35.5
39	79.7	63.0	94.6

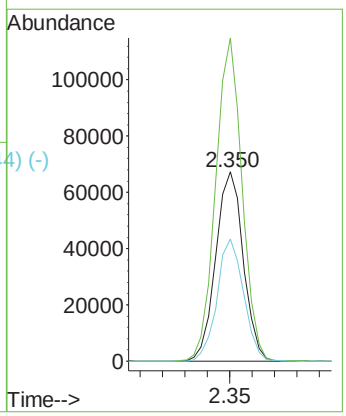


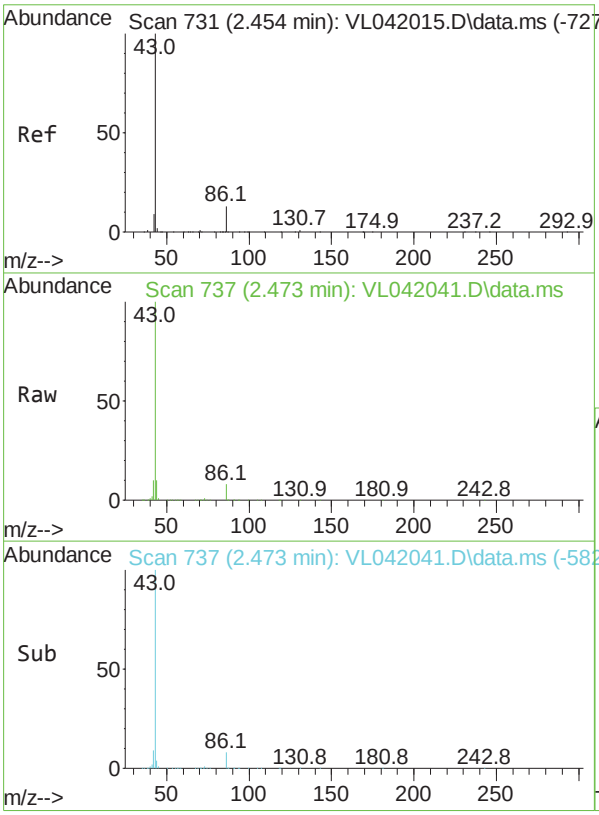


#22
trans-1,2-Dichloroethene
Concen: 5.104 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 96 Resp: 57617

Ion	Ratio	Lower	Upper
96	100		
61	170.8	142.3	213.5
98	64.7	50.2	75.2



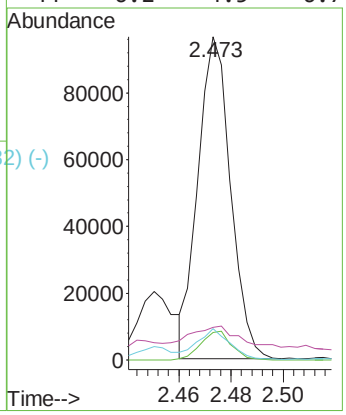


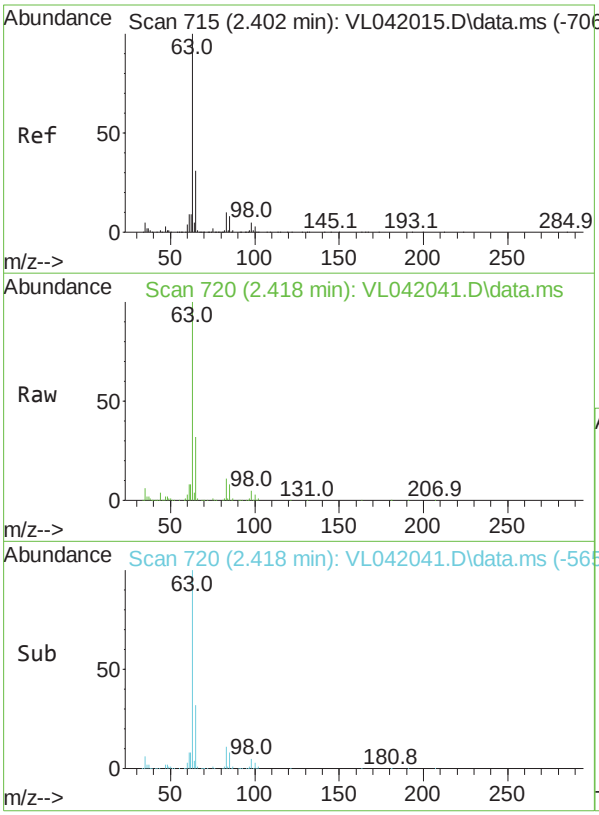
#23
Vinyl Acetate
Concen: 5.823 ppbv
RT: 2.473 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 83866

Ion	Ratio	Lower	Upper
43	100		
86	8.7	8.1	12.1
42	9.5	7.5	11.3
44	6.2	4.5	6.7

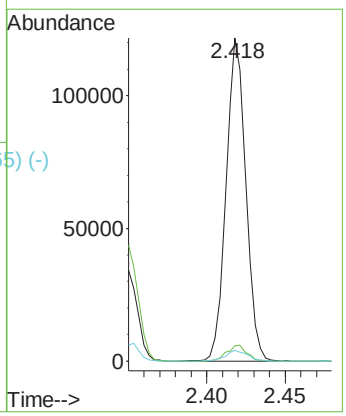


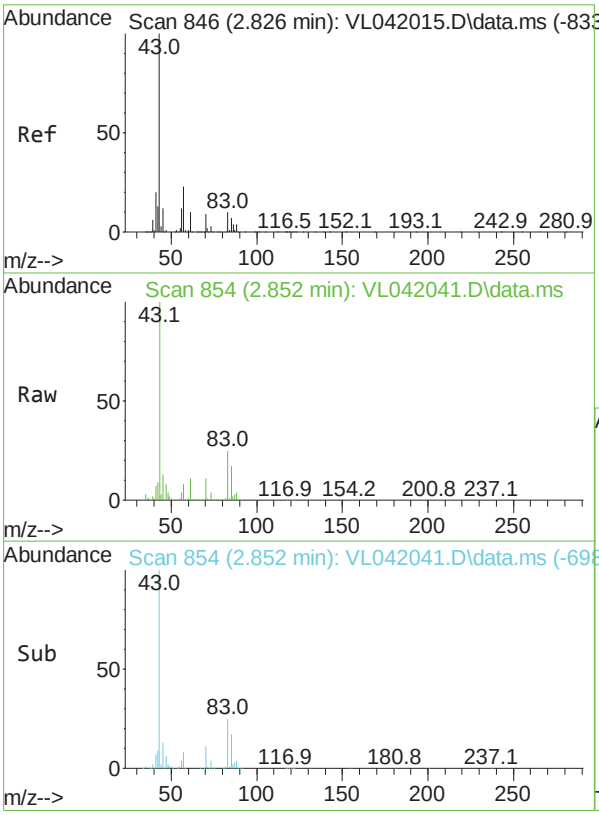


#24
1,1-Dichloroethane
Concen: 4.704 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 63 Resp: 107817

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	3.3	1.6	4.8



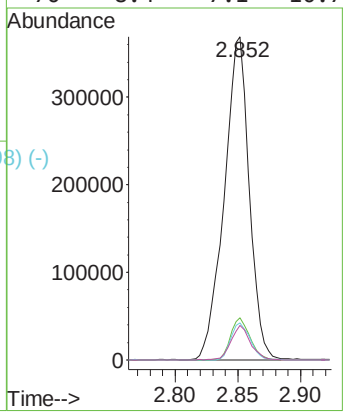


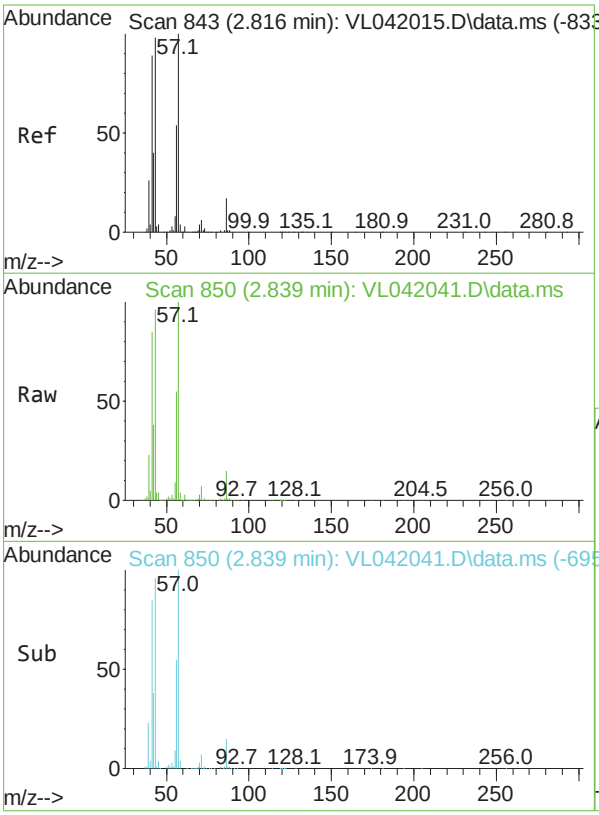
#25
Ethyl Acetate
Concen: 7.007 ppbv
RT: 2.852 min Scan
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 511505

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.0	7.5	11.3
70	8.4	7.1	10.7

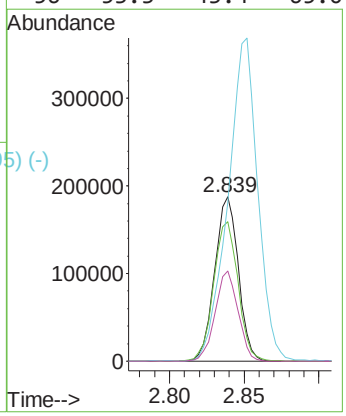


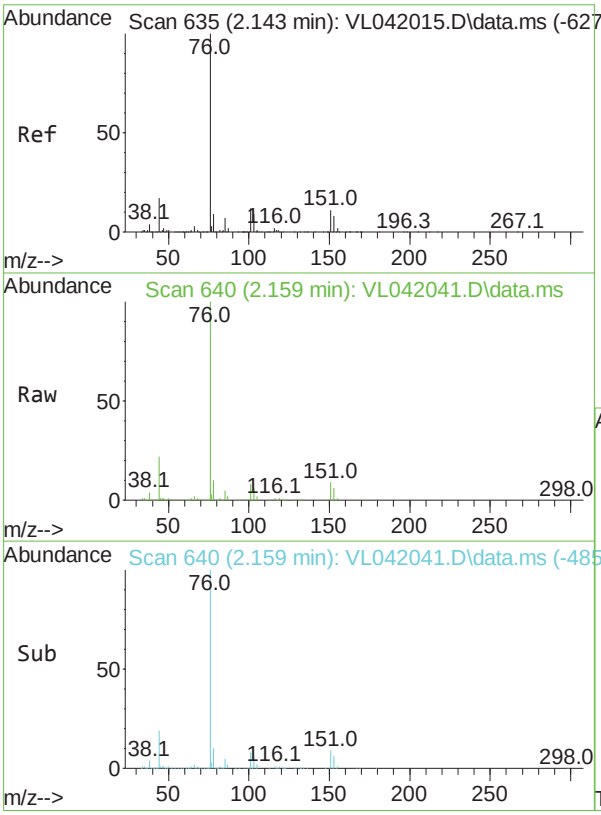


#26
Hexane
Concen: 7.052 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 57 Resp: 206577

Ion	Ratio	Lower	Upper
57	100		
41	88.3	73.2	109.8
43	249.2	200.8	301.2
56	53.3	43.4	65.0



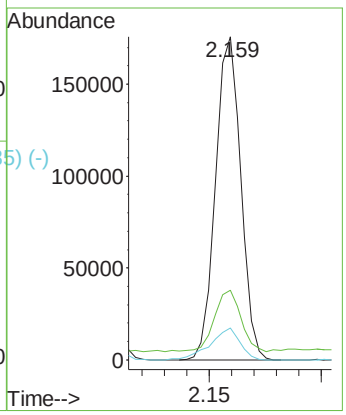


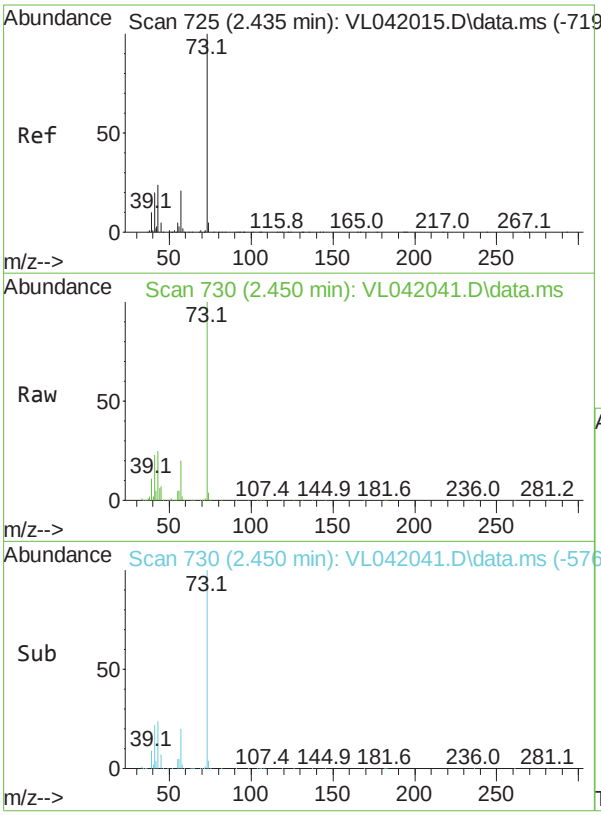
#27
Carbon Disulfide
Concen: 5.008 ppbv
RT: 2.159 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 137978

Ion	Ratio	Lower	Upper
76	100		
44	20.2	18.1	27.1
78	11.7	9.5	14.3

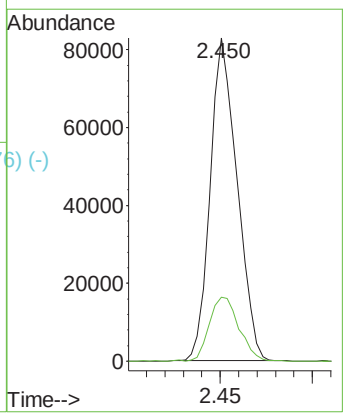


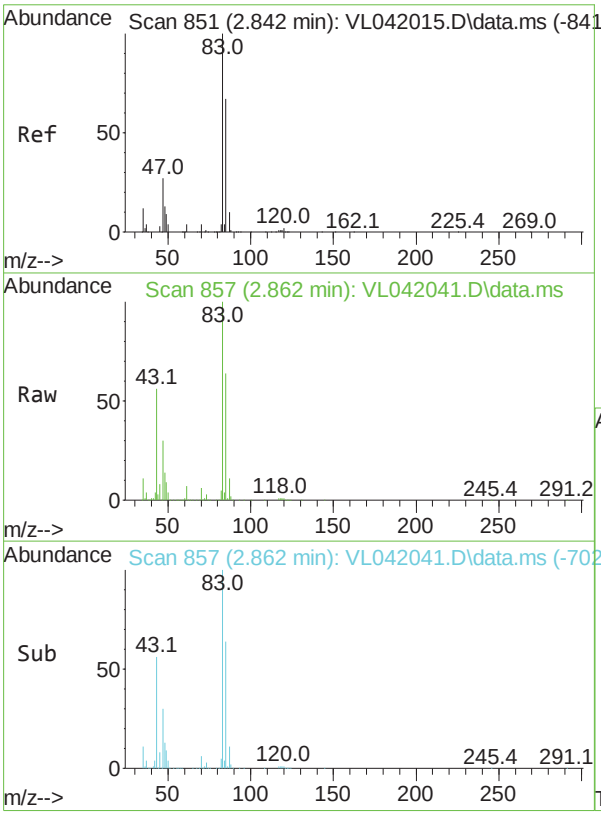


#28
Methyl tert-Butyl Ether
Concen: 4.696 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 73 Resp: 84091

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.3	27.5



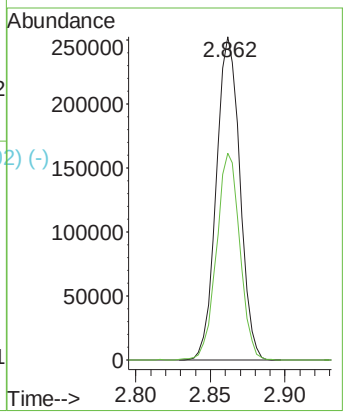


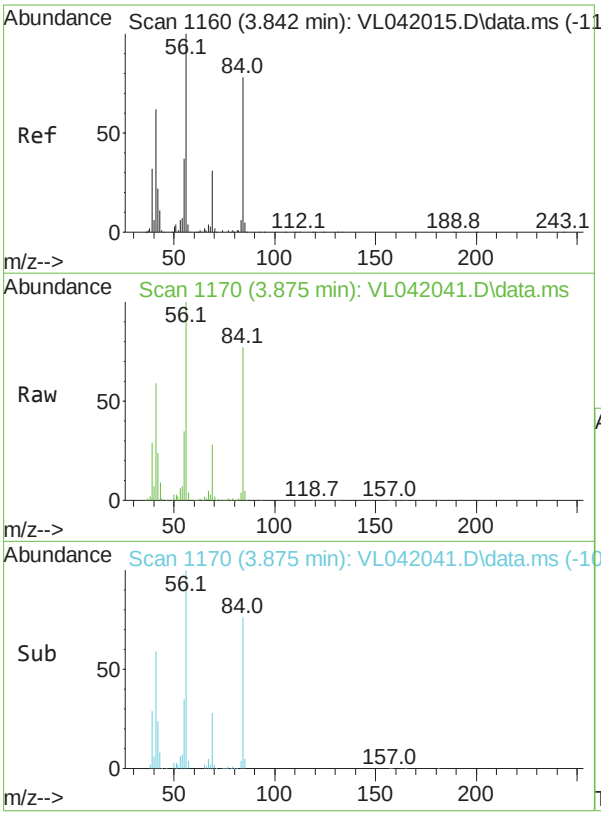
#29
Chloroform
Concen: 6.538 ppbv
RT: 2.862 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 277411

Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.8	80.6

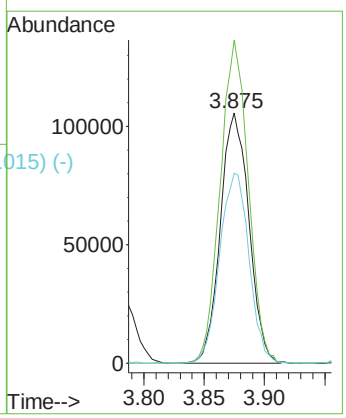


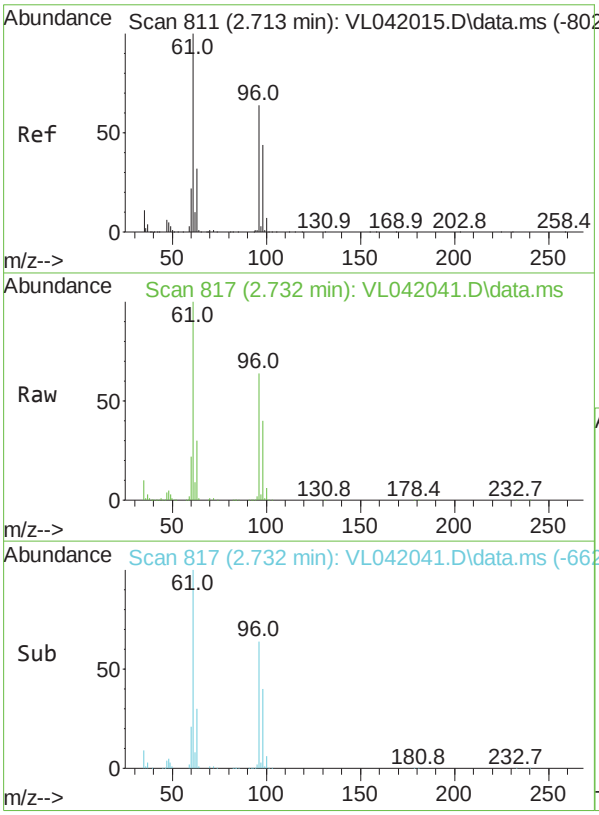


#30
Cyclohexane
Concen: 7.295 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 84 Resp: 173351

Ion	Ratio	Lower	Upper
84	100		
56	126.9	99.5	149.3
41	78.2	62.2	93.2



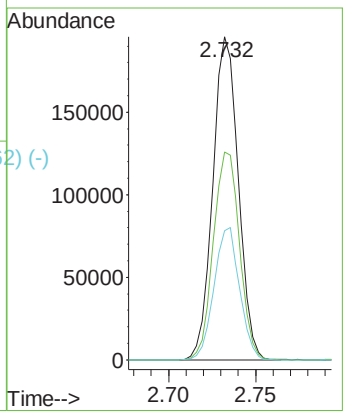


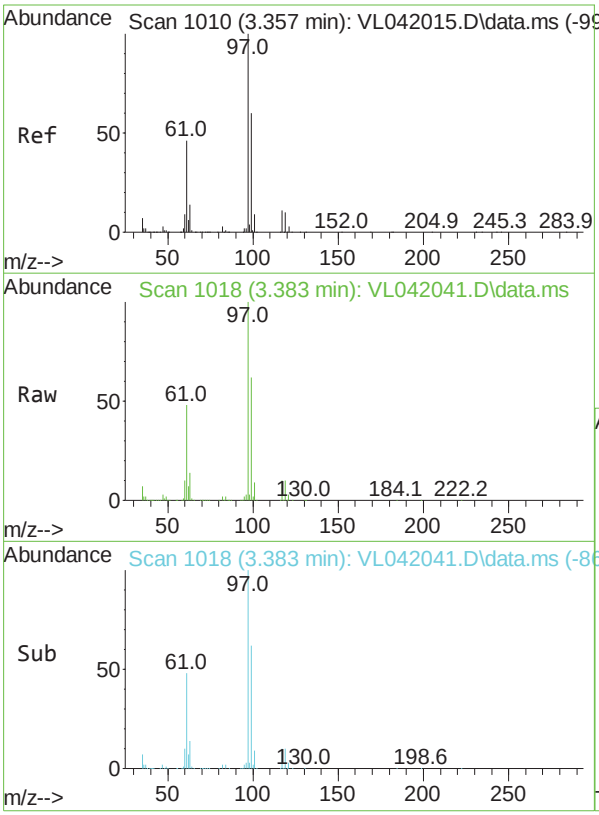
#31
cis-1,2-Dichloroethene
Concen: 6.886 ppbv
RT: 2.732 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 199354

Ion	Ratio	Lower	Upper
61	100		
96	64.4	51.6	77.4
98	40.0	34.8	52.2

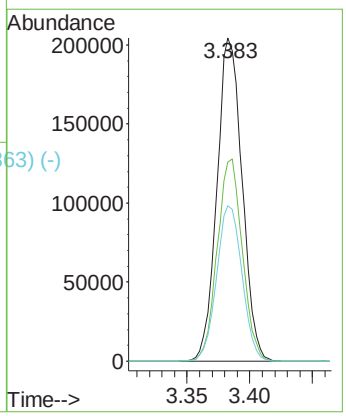


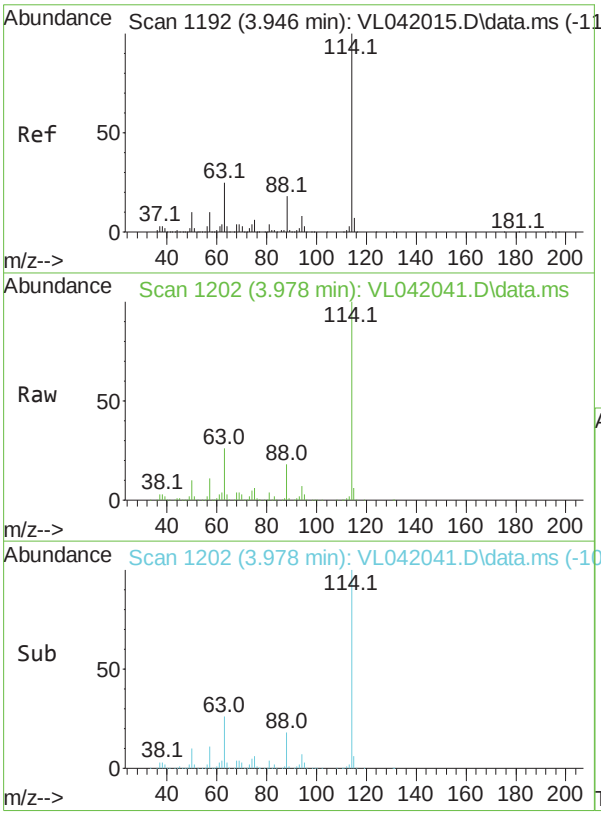


#32
1,1,1-Trichloroethane
Concen: 6.064 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 97 Resp: 285335

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.0	76.4
61	48.6	37.9	56.9



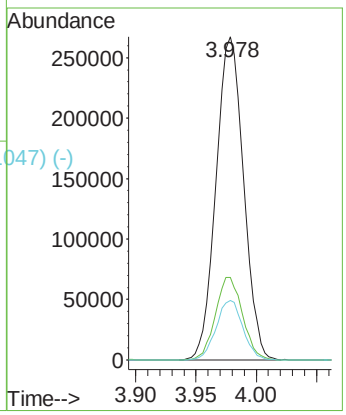


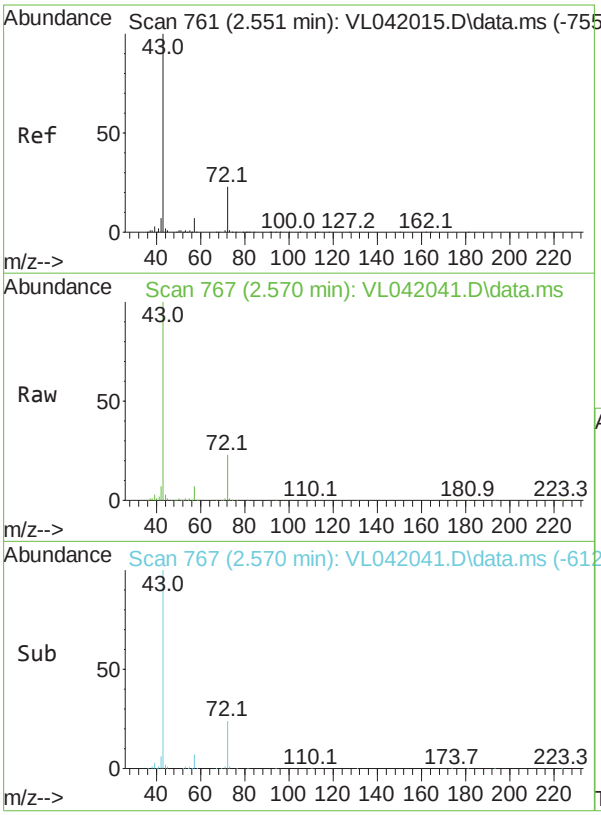
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 422655

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.9	14.4	21.6

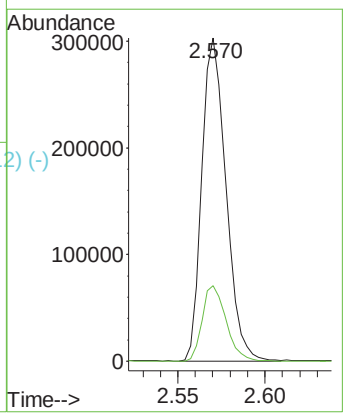


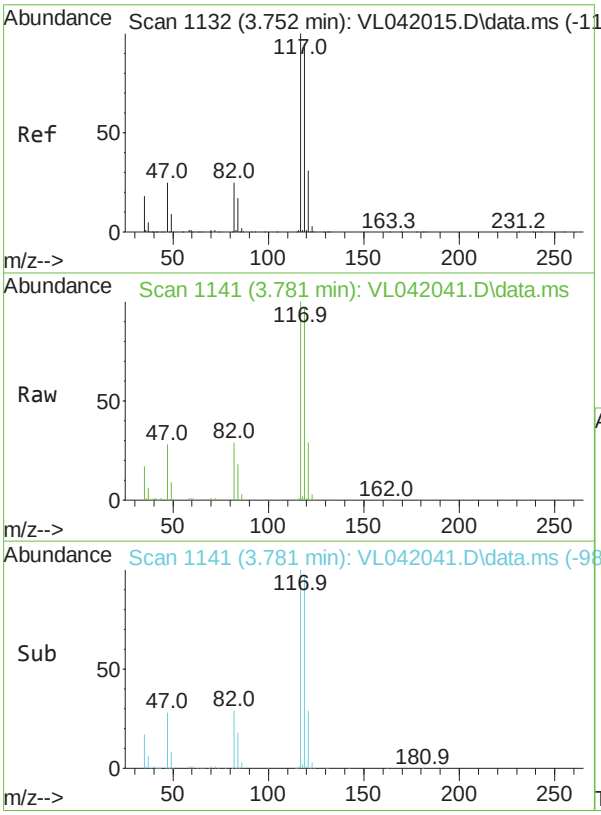


#34
2-Butanone
Concen: 8.043 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 292449

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.3	27.5



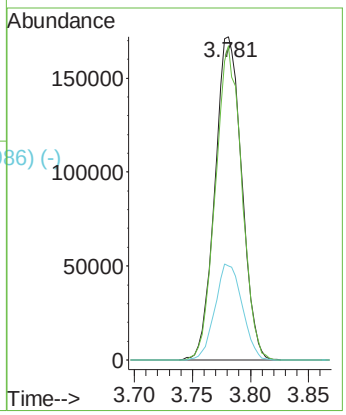


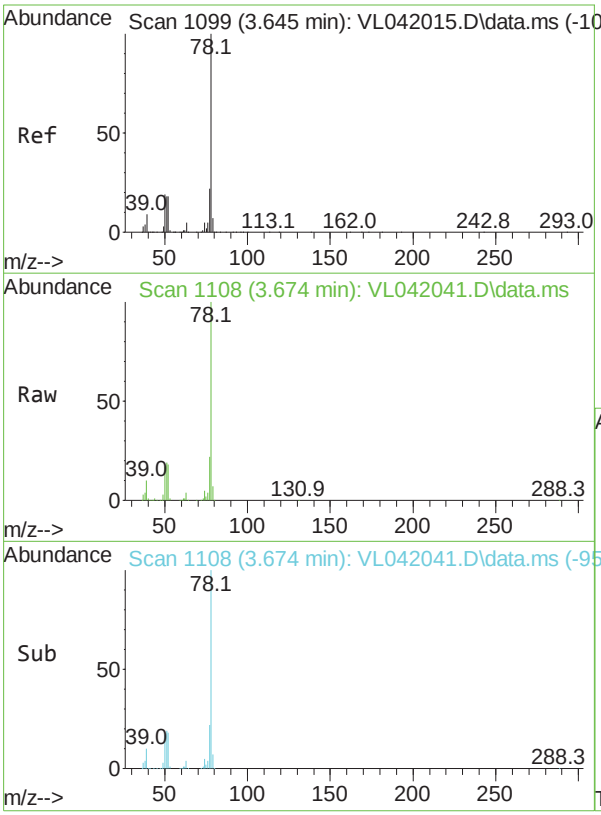
#35
Carbon Tetrachloride
Concen: 6.741 ppbv
RT: 3.781 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 276677

Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.8	113.6
121	29.2	24.6	36.8

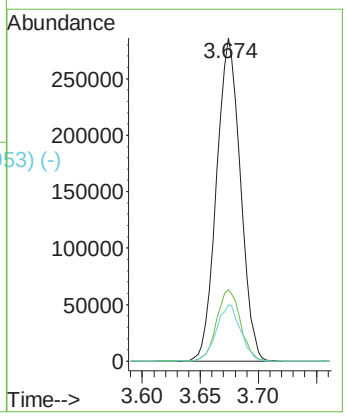


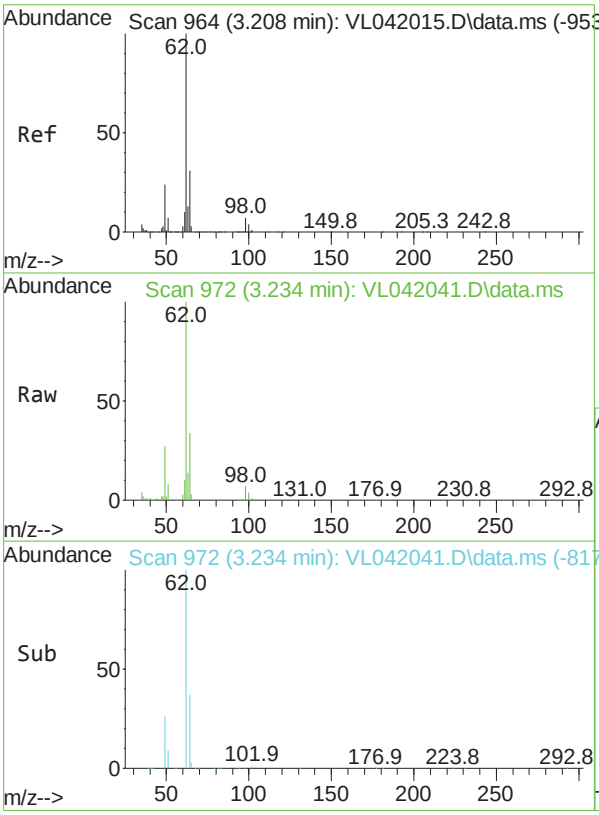


#36
Benzene
Concen: 7.999 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 78 Resp: 409501

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	17.4	15.2	22.8



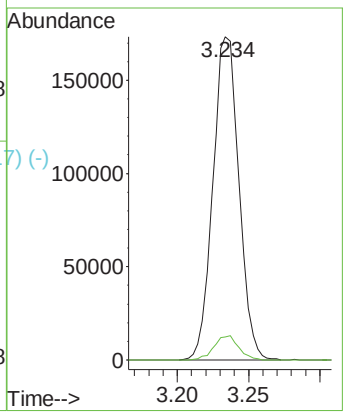


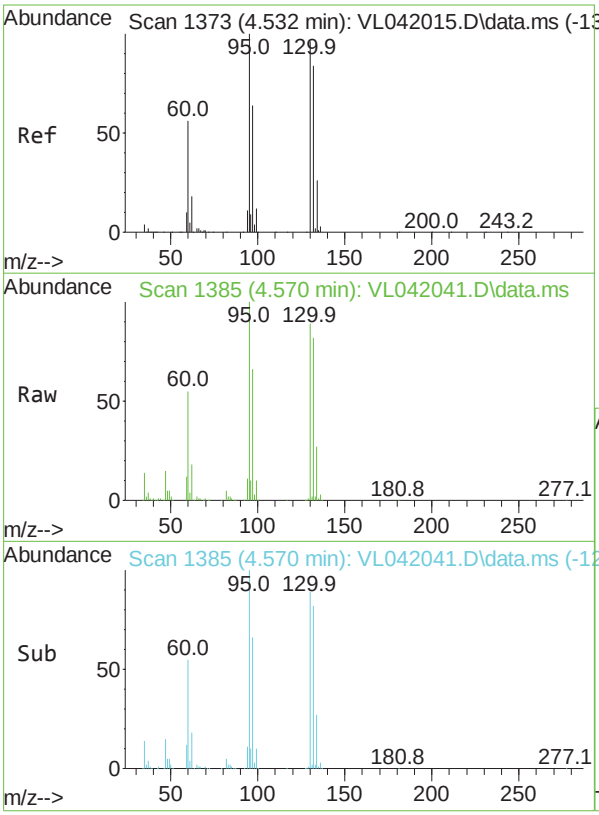
#37
1,2-Dichloroethane
Concen: 7.543 ppbv
RT: 3.234 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 219829

Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.7	8.5

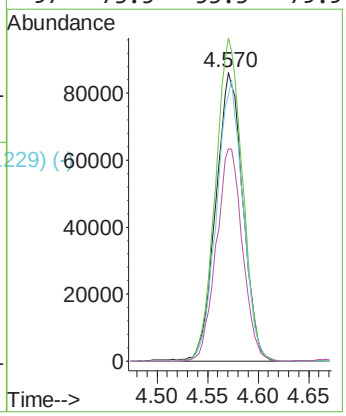


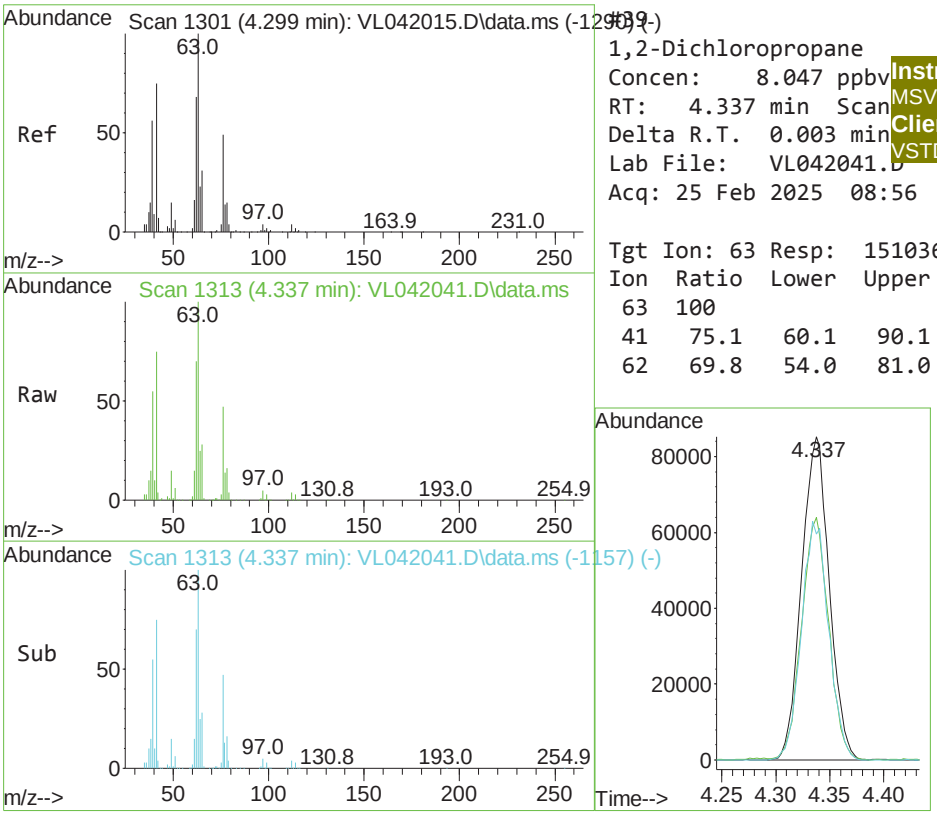


#38
Trichloroethene
Concen: 7.689 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:130 Resp: 159933

Ion	Ratio	Lower	Upper
130	100		
95	111.9	82.8	124.2
132	92.2	70.0	105.0
97	73.5	53.3	79.9



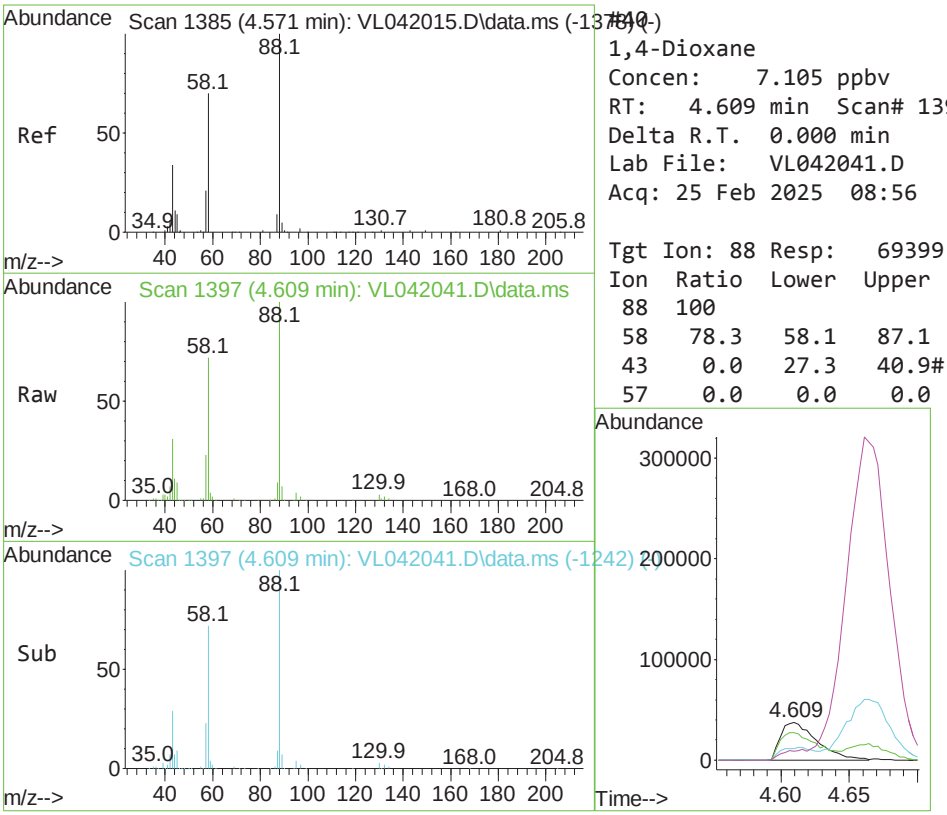


#39
1,2-Dichloropropane
Concen: 8.047 ppbv
RT: 4.337 min Scan
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 151036

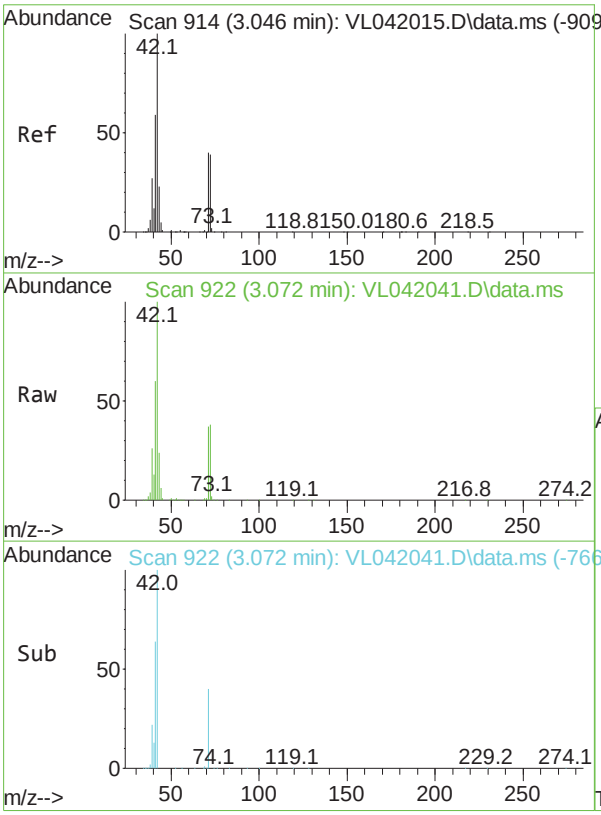
Ion	Ratio	Lower	Upper
63	100		
41	75.1	60.1	90.1
62	69.8	54.0	81.0



#40
1,4-Dioxane
Concen: 7.105 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 88 Resp: 69399

Ion	Ratio	Lower	Upper
88	100		
58	78.3	58.1	87.1
43	0.0	27.3	40.9#
57	0.0	0.0	0.0

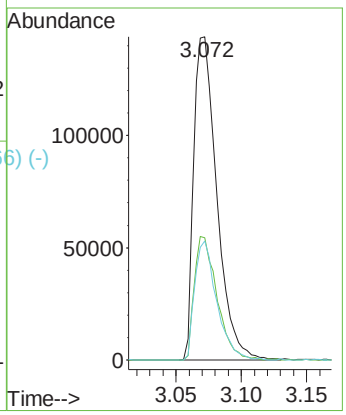


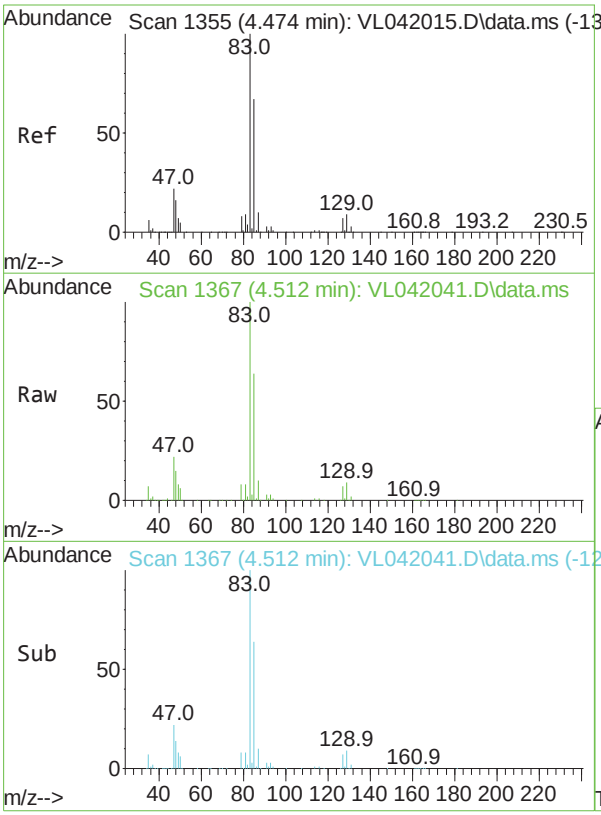
#41
Tetrahydrofuran
Concen: 8.509 ppbv
RT: 3.072 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 176830

Ion	Ratio	Lower	Upper
42	100		
72	37.7	32.3	48.5
71	35.3	30.9	46.3

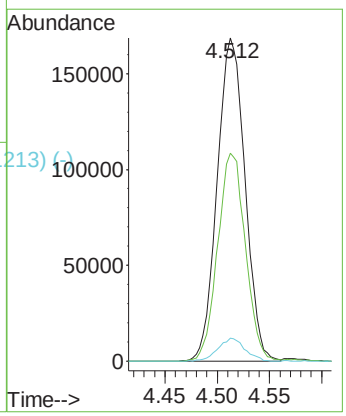


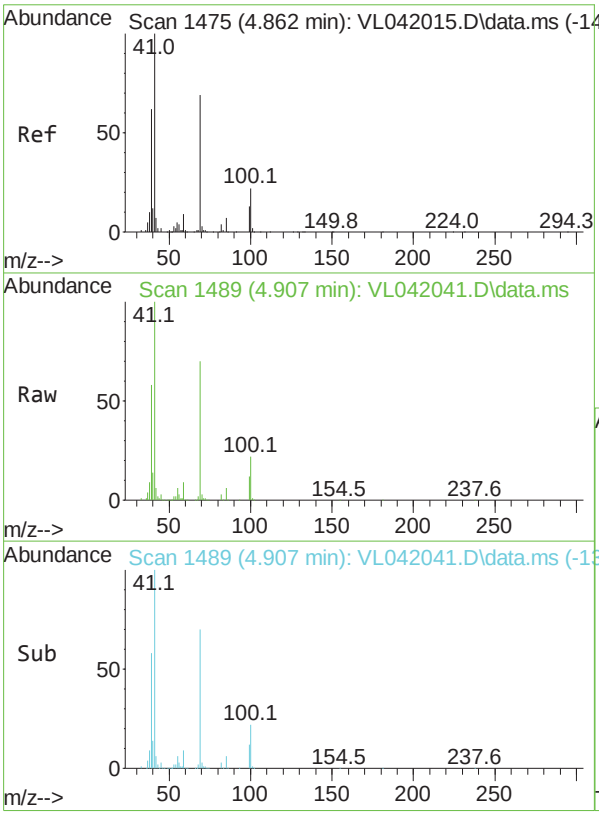


#42
Bromodichloromethane
Concen: 7.908 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 83 Resp: 312250

Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.3	79.9
127	7.2	6.0	9.0



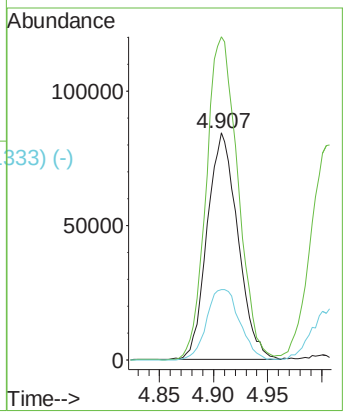


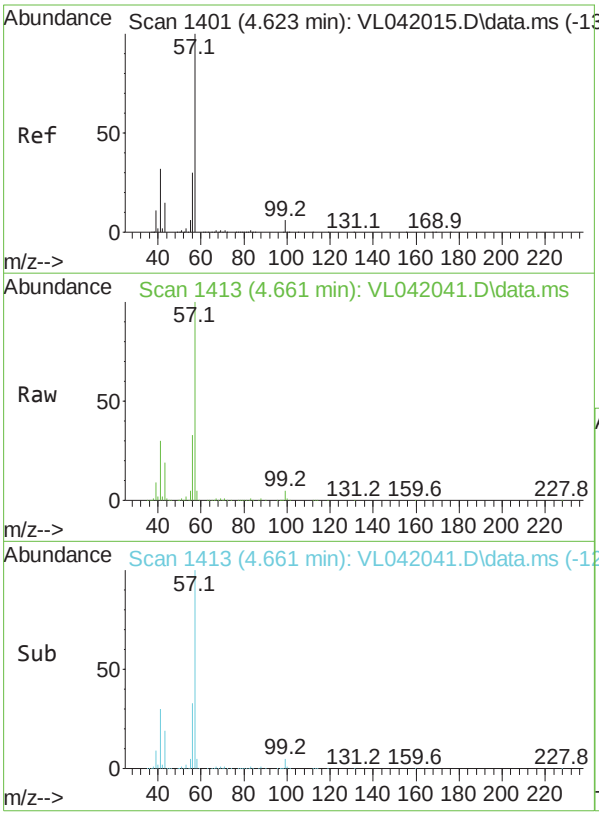
#43
Methyl Methacrylate
Concen: 7.091 ppbv
RT: 4.907 min Scan
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 165494

Ion	Ratio	Lower	Upper
69	100		
41	147.8	114.9	172.3
100	33.7	28.8	43.2

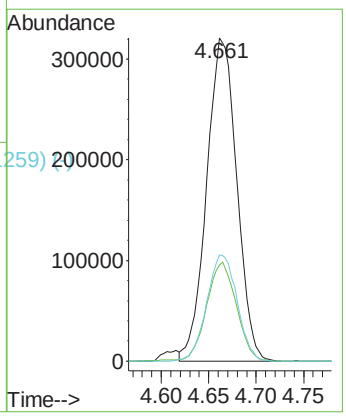


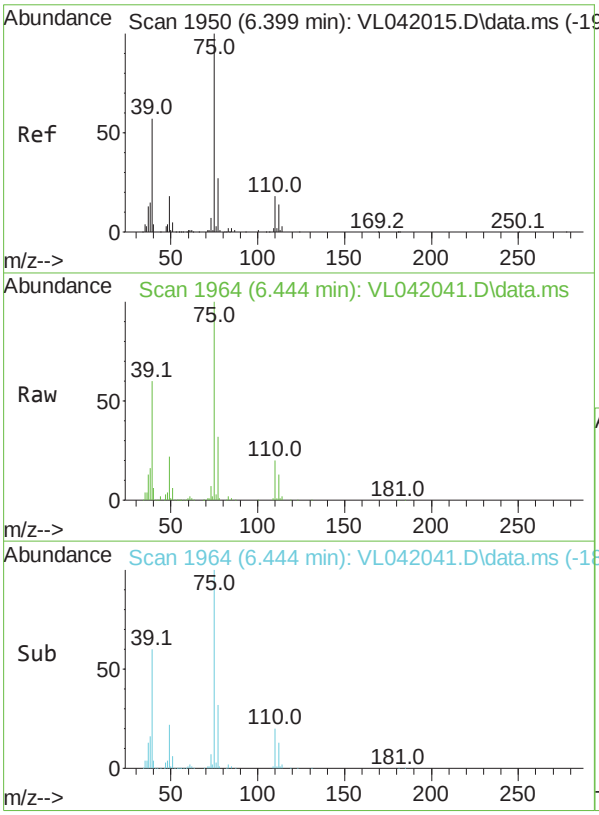


#44
2,2,4-Trimethylpentane
Concen: 8.122 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 57 Resp: 705920

Ion	Ratio	Lower	Upper
57	100		
41	30.5	25.9	38.9
56	33.1	24.9	37.3



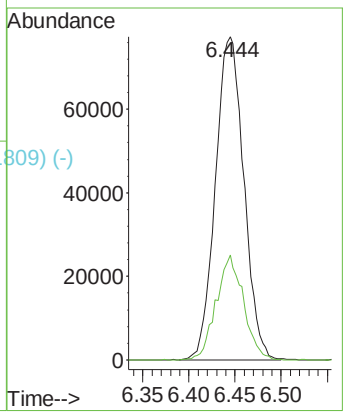


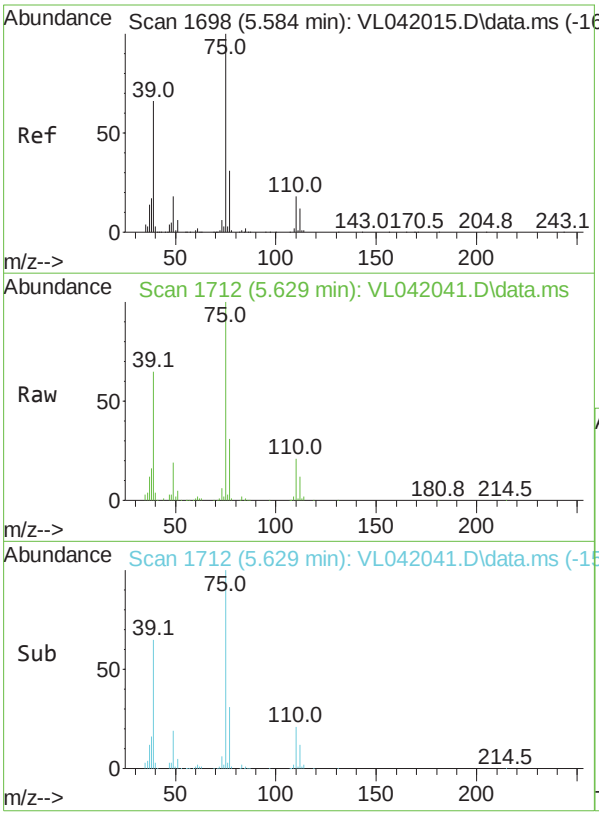
#45
t-1,3-Dichloropropene
Concen: 7.544 ppbv
RT: 6.444 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 166207

Ion	Ratio	Lower	Upper
75	100		
77	32.4	22.1	33.1

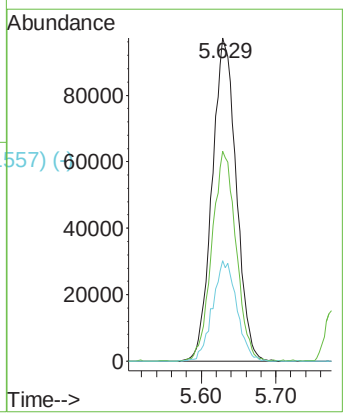


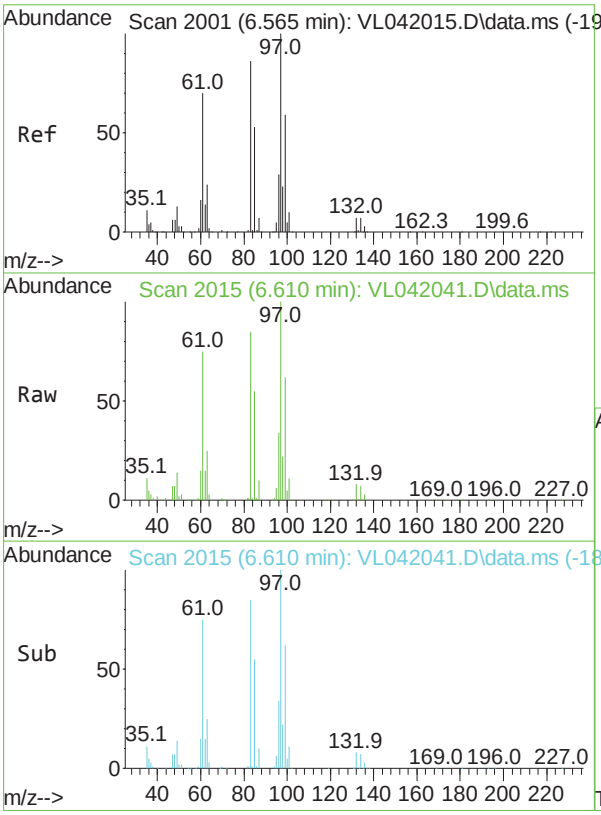


#46
cis-1,3-Dichloropropene
Concen: 7.809 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 75 Resp: 218294

Ion	Ratio	Lower	Upper
75	100		
39	64.9	52.2	78.4
77	31.1	24.5	36.7



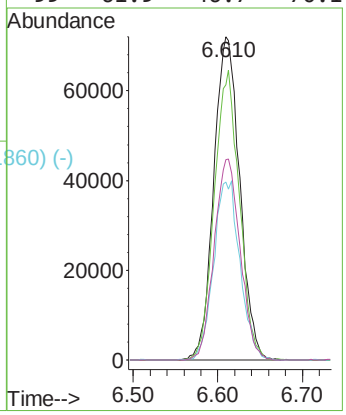


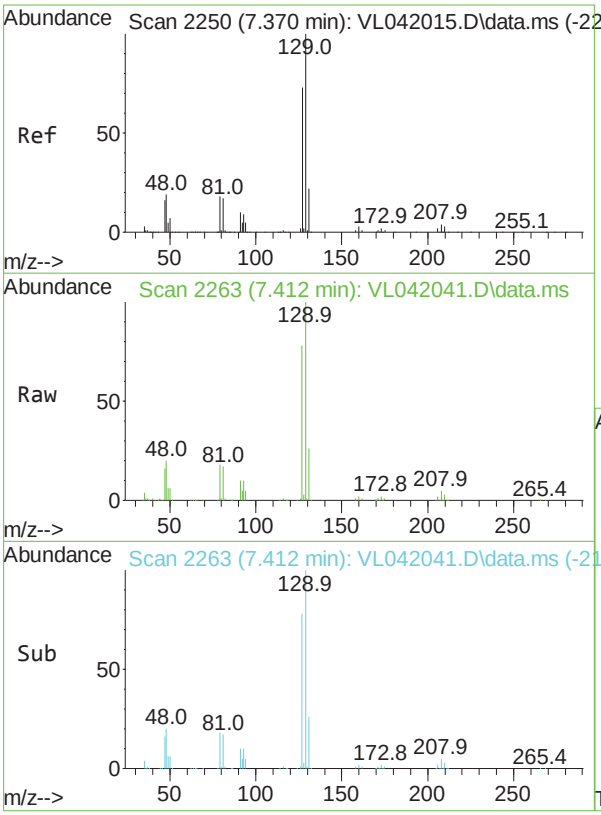
#47
1,1,2-Trichloroethane
Concen: 7.723 ppbv
RT: 6.610 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 152556

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.6	102.8
85	55.0	42.2	63.4
99	61.9	46.7	70.1

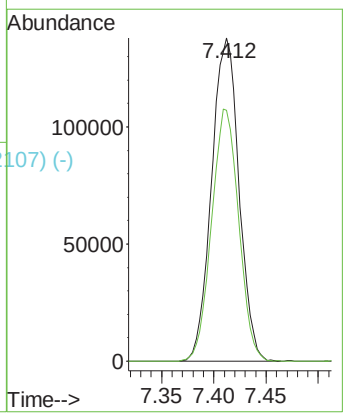


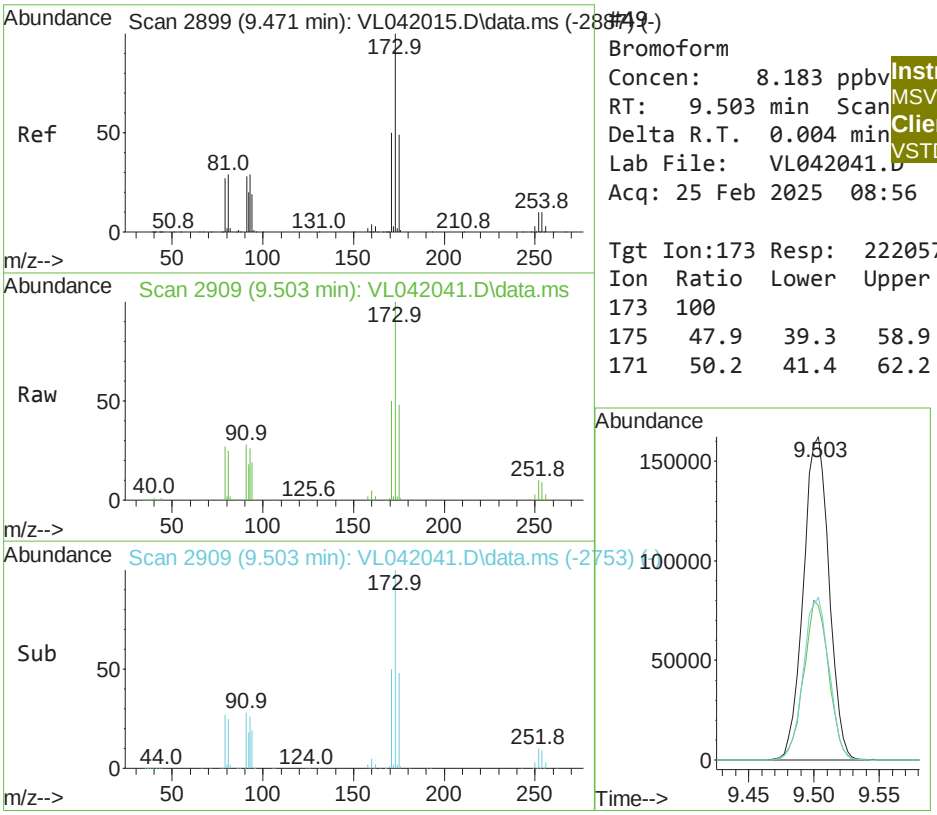


#48
Dibromochloromethane
Concen: 7.593 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:129 Resp: 251213

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6



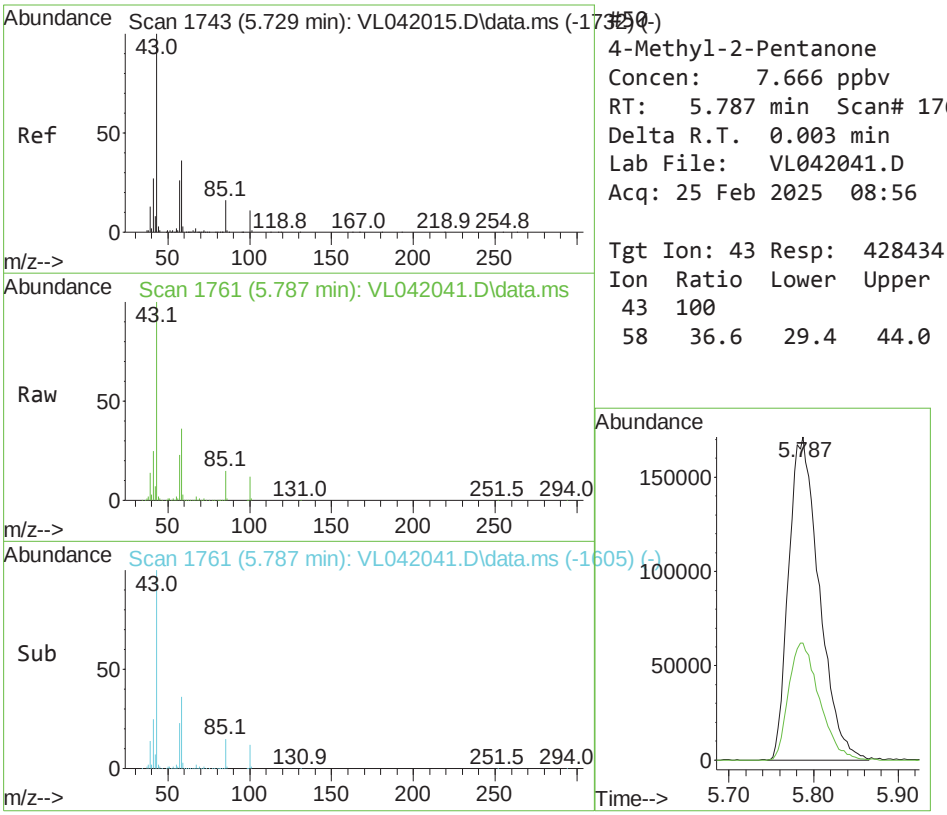


#49
Bromoform
Concen: 8.183 ppbv
RT: 9.503 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 222057

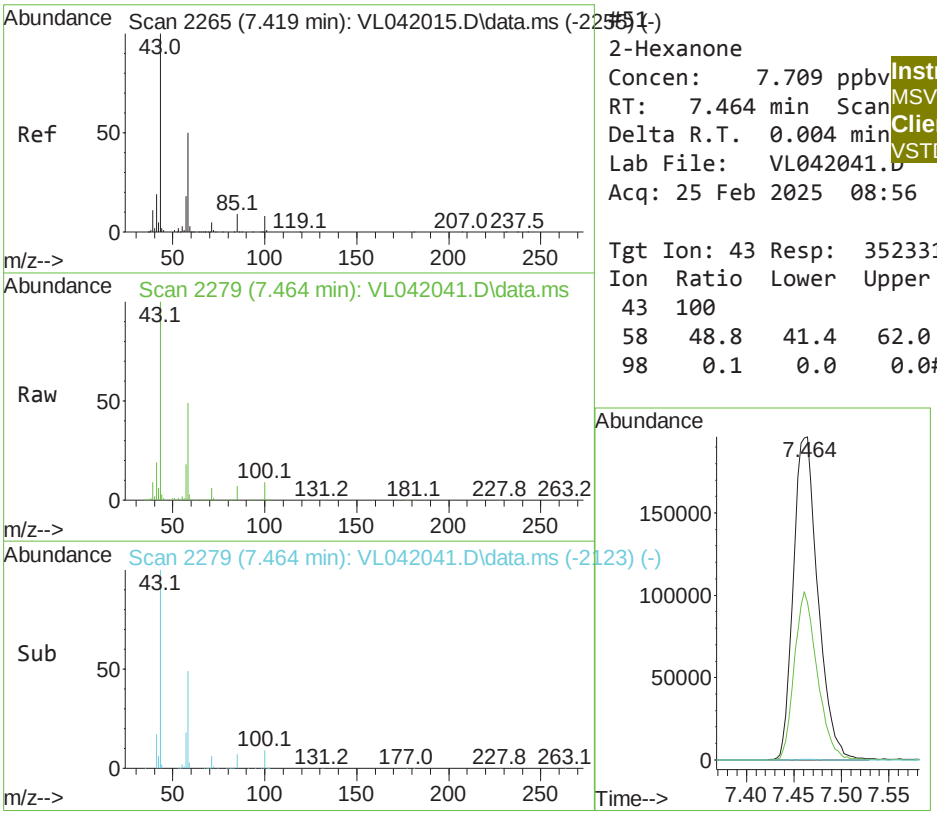
Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.3	58.9
171	50.2	41.4	62.2



#50
4-Methyl-2-Pentanone
Concen: 7.666 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 43 Resp: 428434

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0

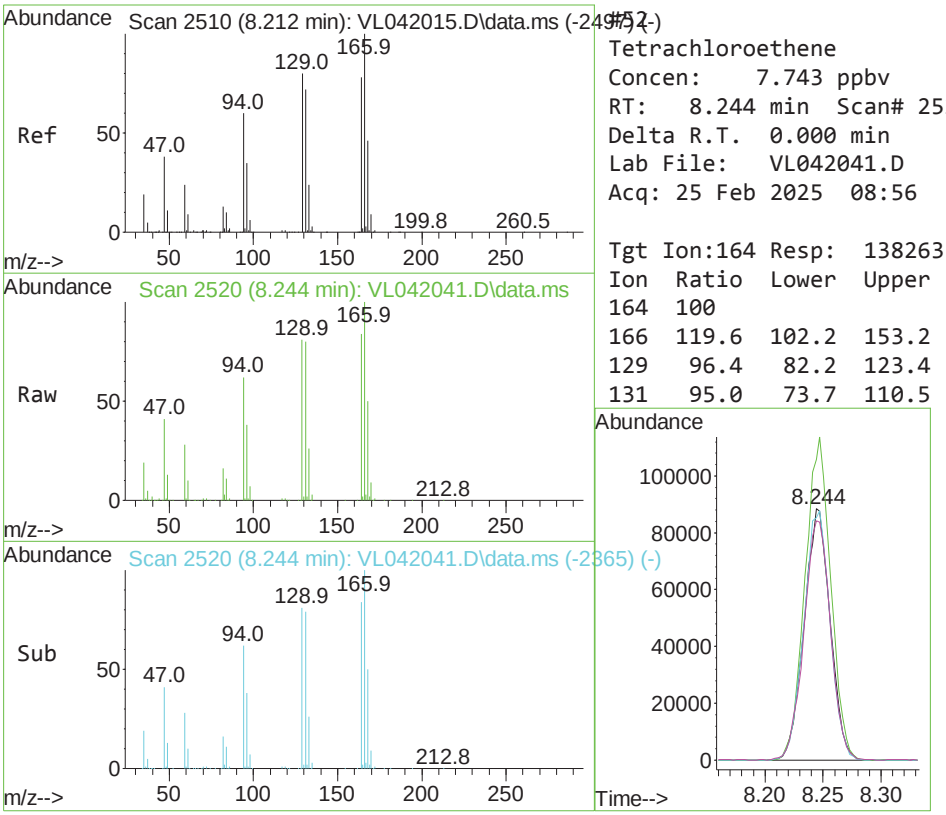


#51
2-Hexanone
Concen: 7.709 ppbv
RT: 7.464 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 352331

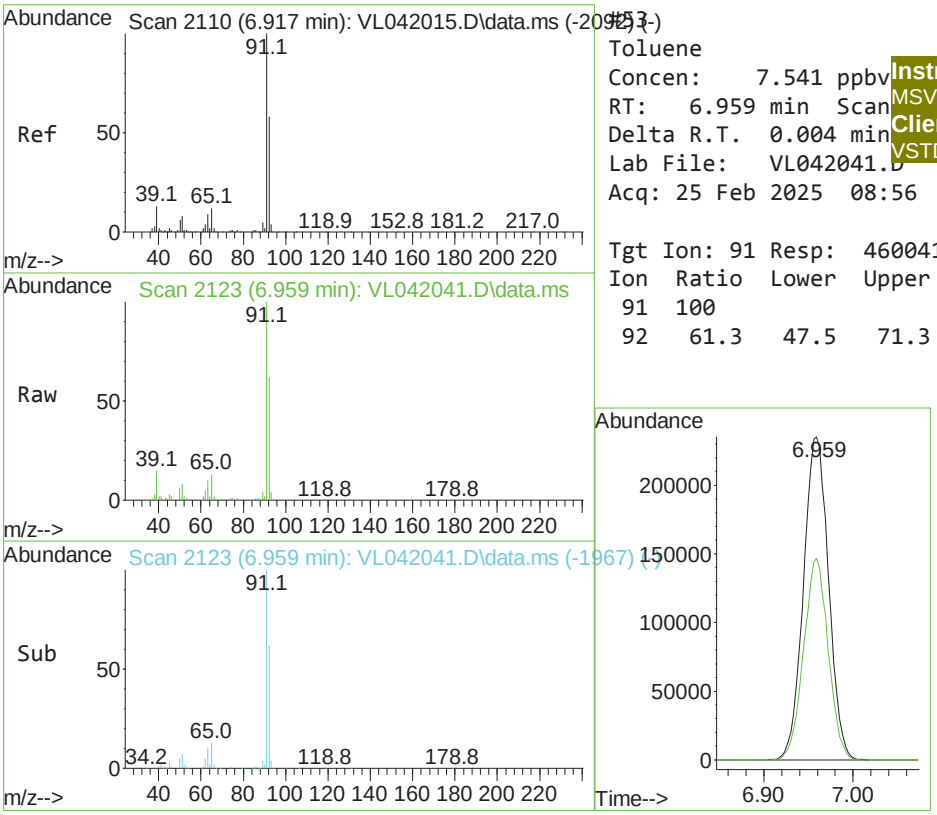
Ion	Ratio	Lower	Upper
43	100		
58	48.8	41.4	62.0
98	0.1	0.0	0.0#



#52
Tetrachloroethene
Concen: 7.743 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:164 Resp: 138263

Ion	Ratio	Lower	Upper
164	100		
166	119.6	102.2	153.2
129	96.4	82.2	123.4
131	95.0	73.7	110.5

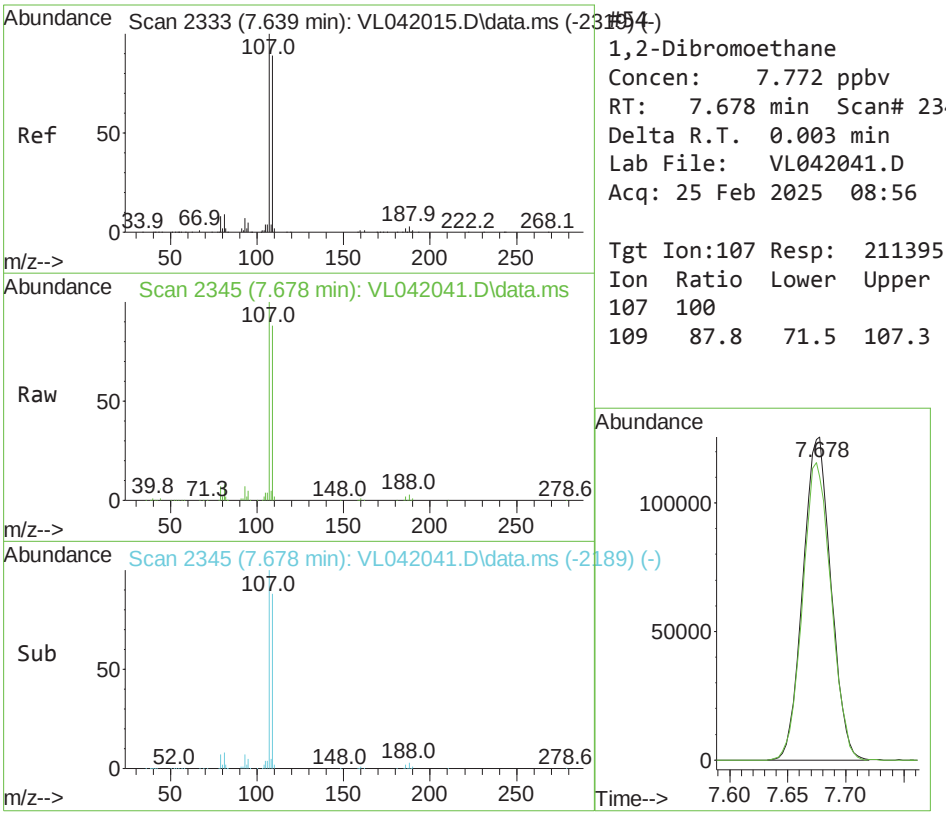


#53
Toluene
Concen: 7.541 ppbv
RT: 6.959 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 460041

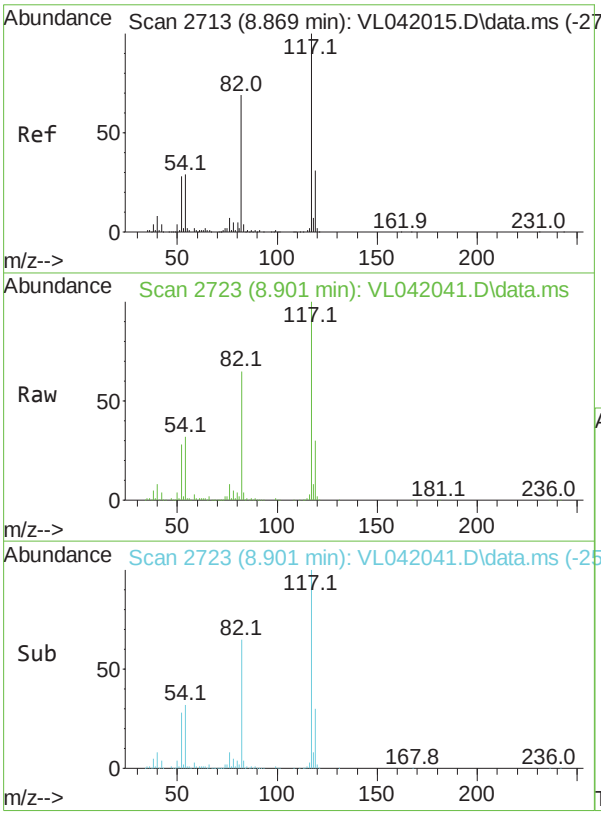
Ion	Ratio	Lower	Upper
91	100		
92	61.3	47.5	71.3



#54
1,2-Dibromoethane
Concen: 7.772 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:107 Resp: 211395

Ion	Ratio	Lower	Upper
107	100		
109	87.8	71.5	107.3

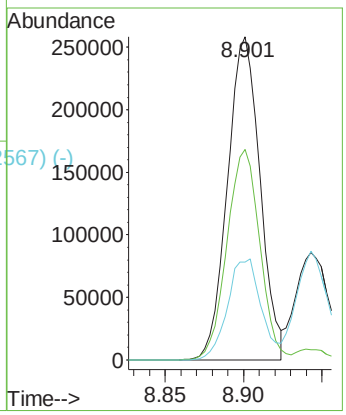


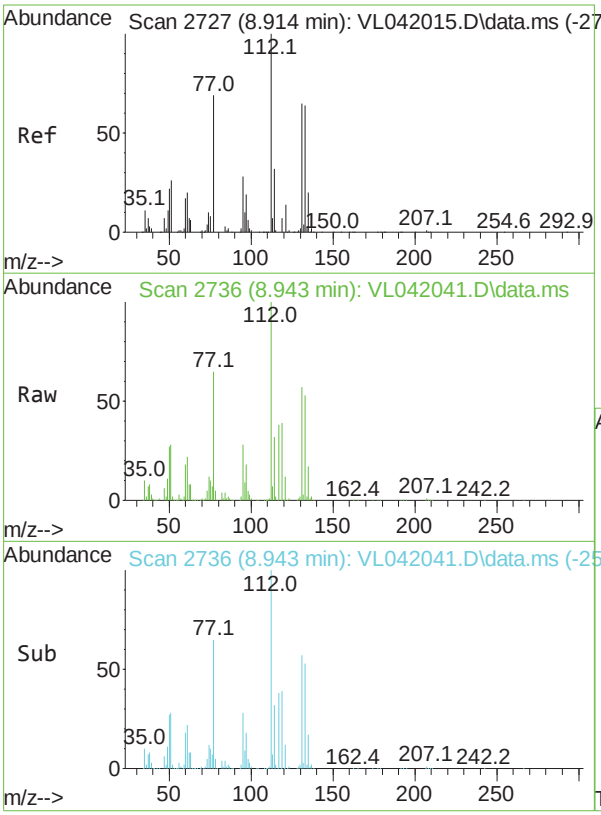
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 374249

Ion	Ratio	Lower	Upper
117	100		
82	68.8	55.7	83.5
119	32.4	25.2	37.8

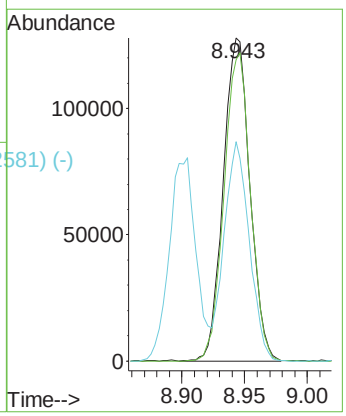


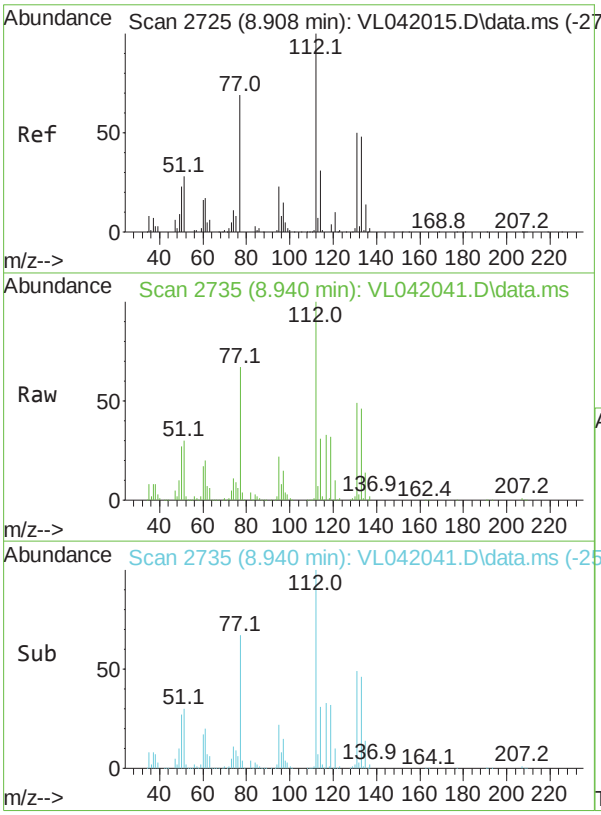


#56
1,1,1,2-Tetrachloroethane
Concen: 7.049 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:131 Resp: 188811

Ion	Ratio	Lower	Upper
131	100		
133	94.8	77.8	116.8
119	65.1	49.1	73.7



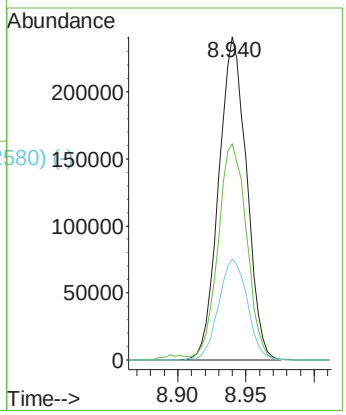


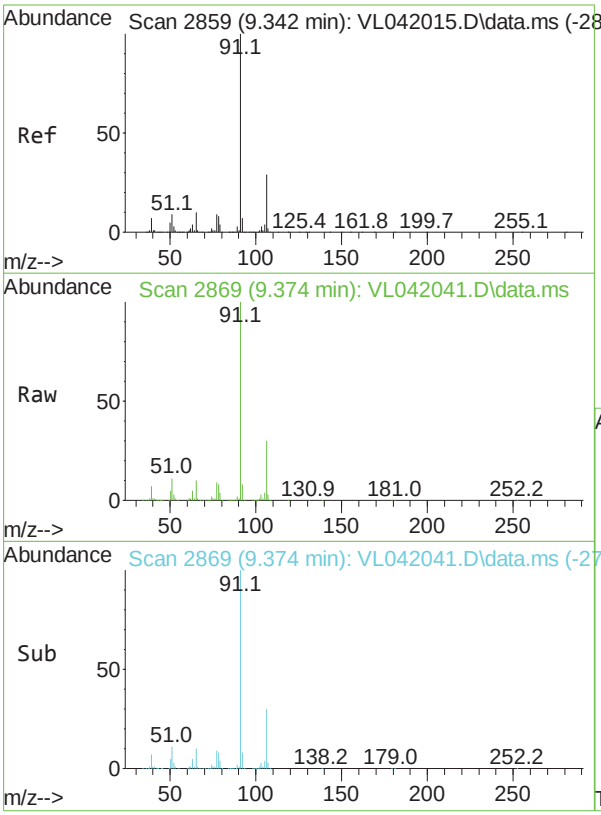
#57
Chlorobenzene
Concen: 7.735 ppbv
RT: 8.940 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 340525

Ion	Ratio	Lower	Upper
112	100		
77	66.8	56.2	84.2
114	31.4	28.2	34.4

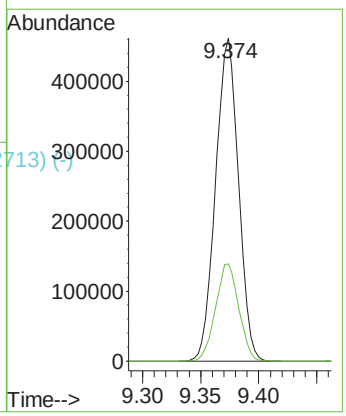


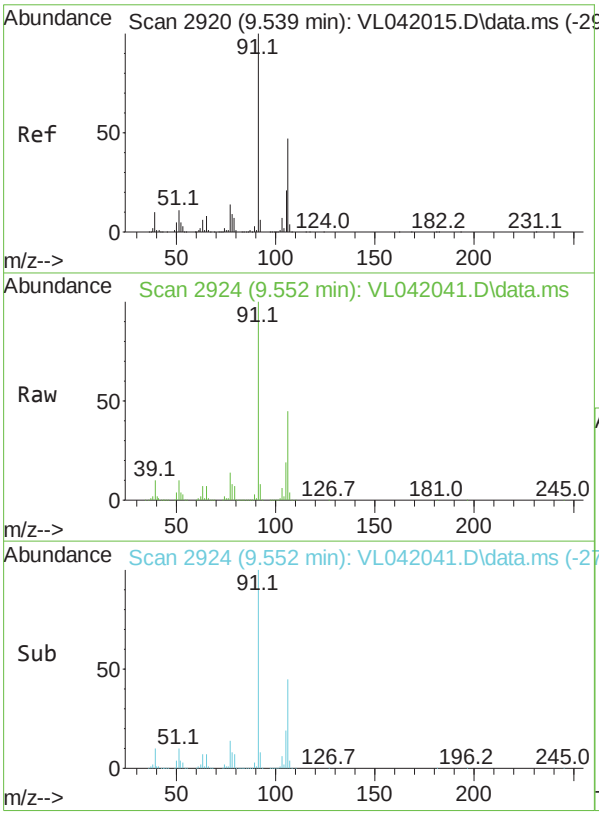


#58
Ethyl Benzene
Concen: 7.739 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 633939

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.1	34.7



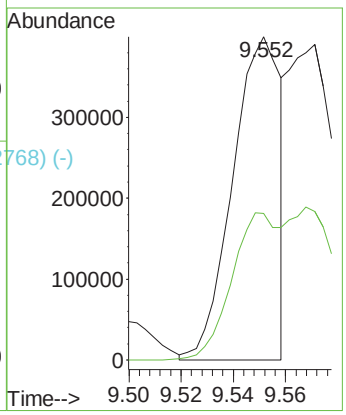


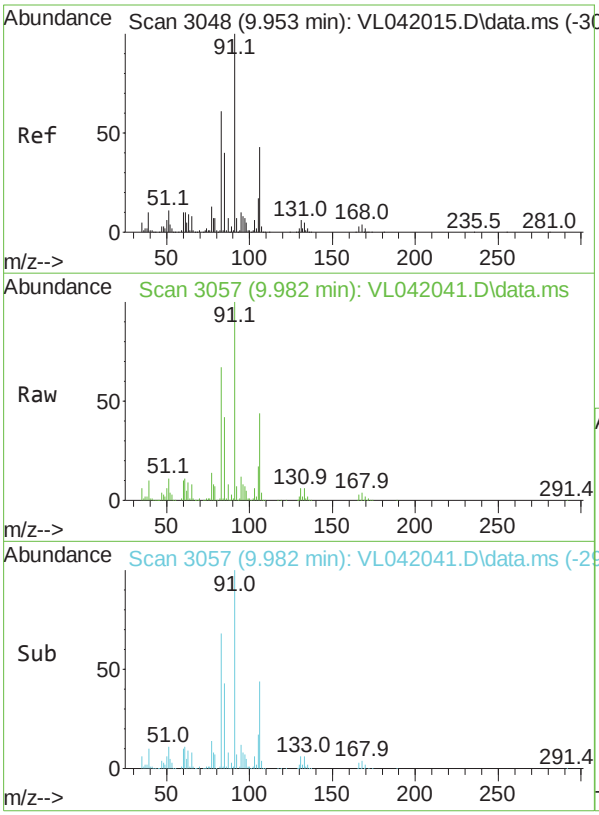
#59
m/p-Xylene
Concen: 7.827 ppbv
RT: 9.552 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 504964

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.8#

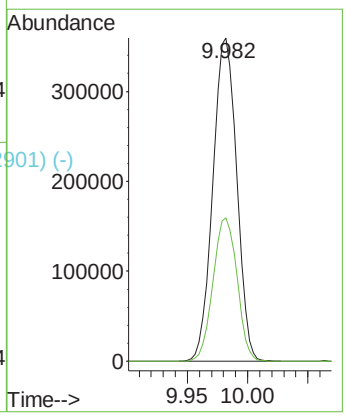


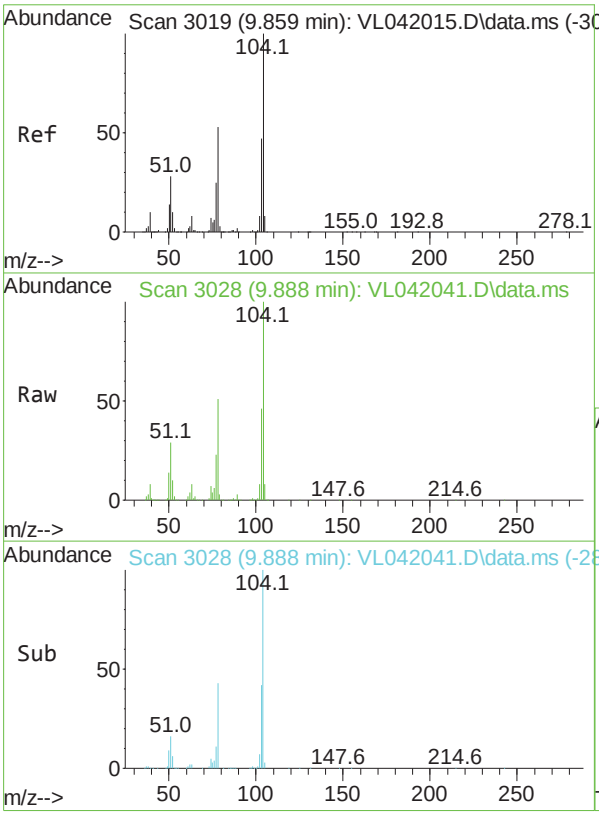


#60
o-Xylene
Concen: 7.557 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 493069

Ion	Ratio	Lower	Upper
91	100		
106	44.5	21.4	64.3



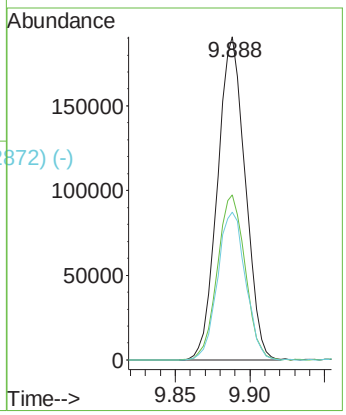


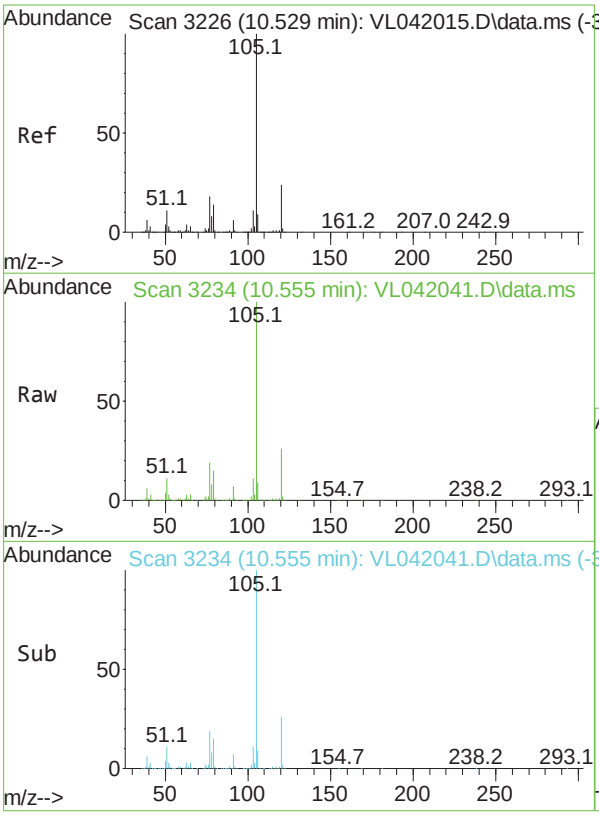
#61
Styrene
Concen: 7.912 ppbv
RT: 9.888 min Scan
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 246161

Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.2	63.4
103	46.3	38.1	57.1

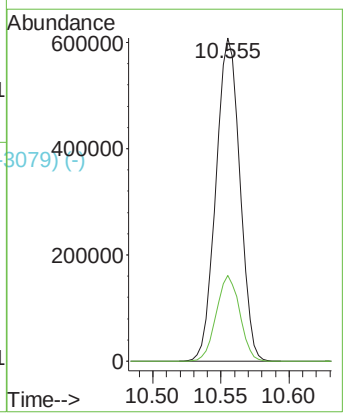


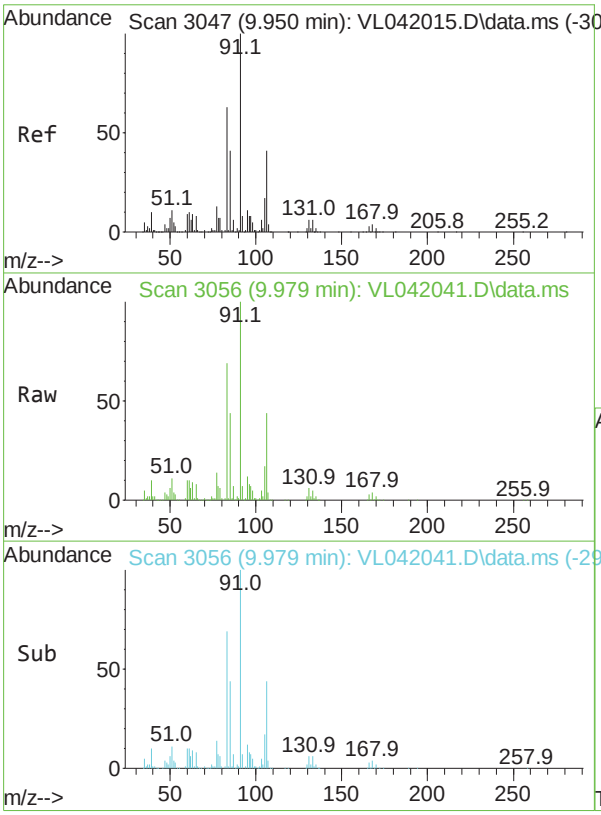


#62
Isopropylbenzene
Concen: 7.522 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 736884

Ion	Ratio	Lower	Upper
105	100		
120	25.9	19.8	29.8



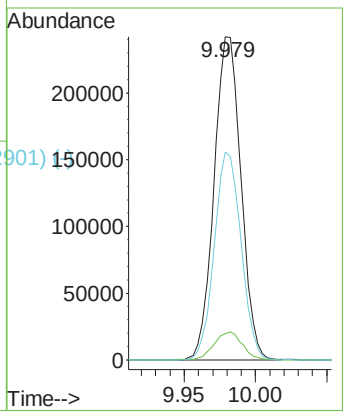


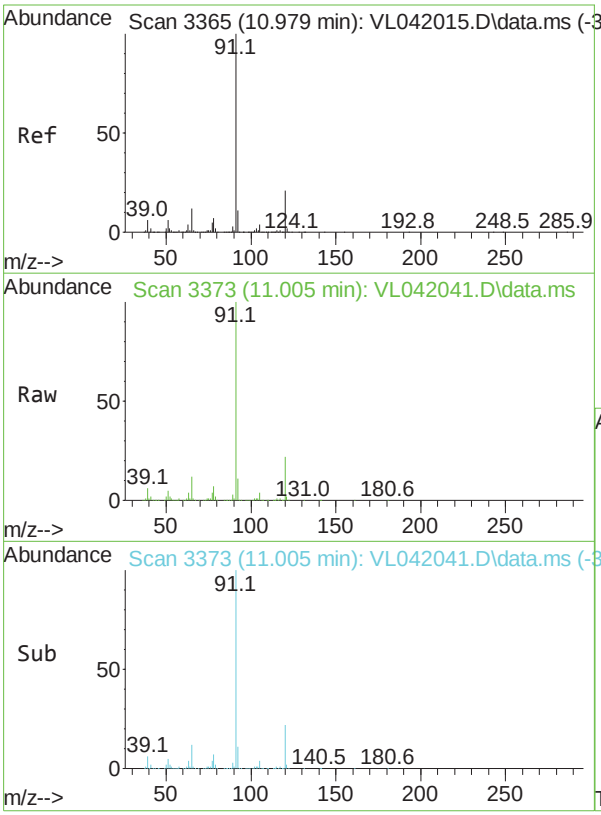
#63
1,1,2,2-Tetrachloroethane
Concen: 7.538 ppbv
RT: 9.979 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 317313

Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.0	15.0
85	64.2	32.1	96.3

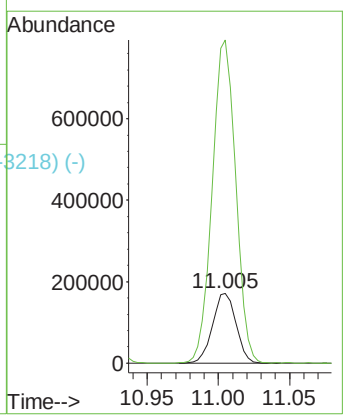


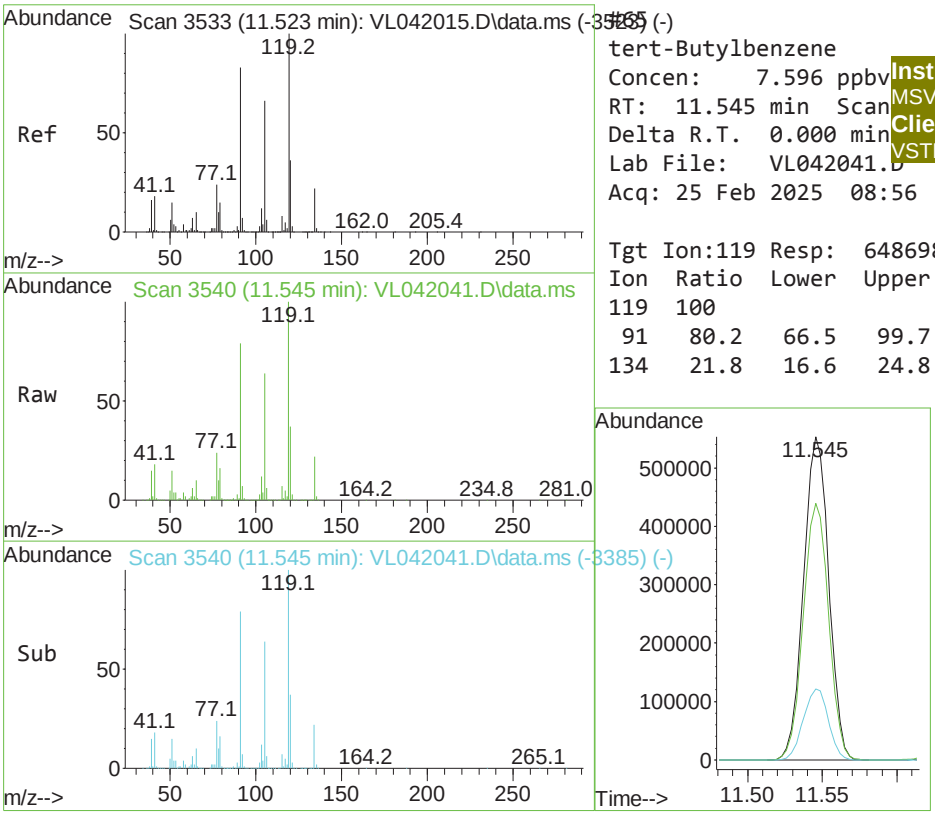


#64
n-propylbenzene
Concen: 8.145 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:120 Resp: 196044

Ion	Ratio	Lower	Upper
120	100		
91	463.3	392.2	588.2



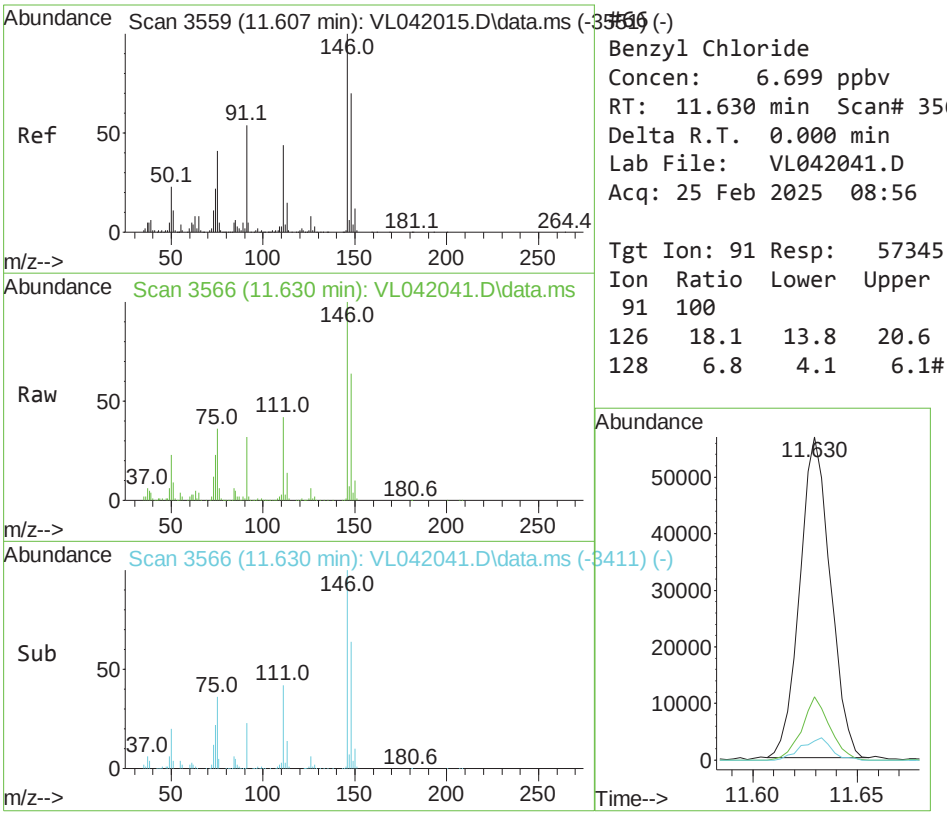


#65
tert-Butylbenzene
Concen: 7.596 ppbv
RT: 11.545 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 648698

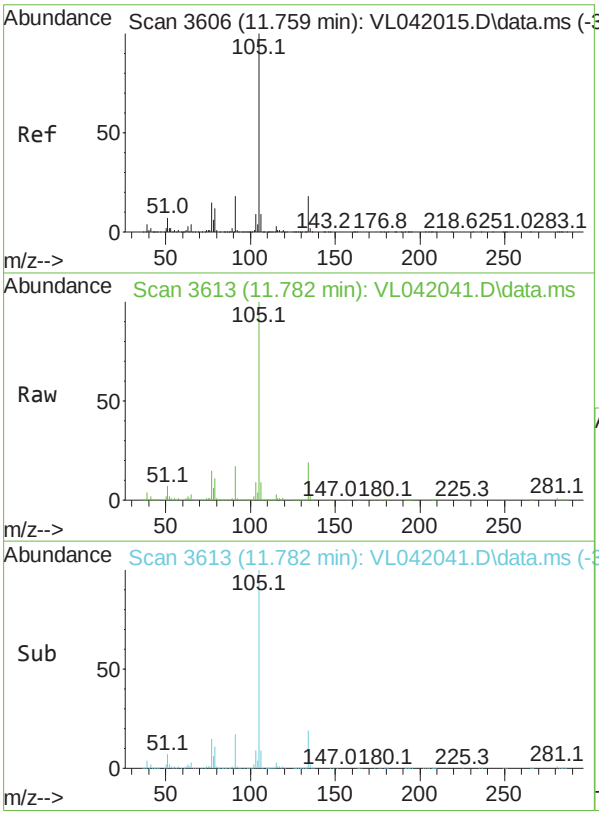
Ion	Ratio	Lower	Upper
119	100		
91	80.2	66.5	99.7
134	21.8	16.6	24.8



#66
Benzyl Chloride
Concen: 6.699 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 57345

Ion	Ratio	Lower	Upper
91	100		
126	18.1	13.8	20.6
128	6.8	4.1	6.1#

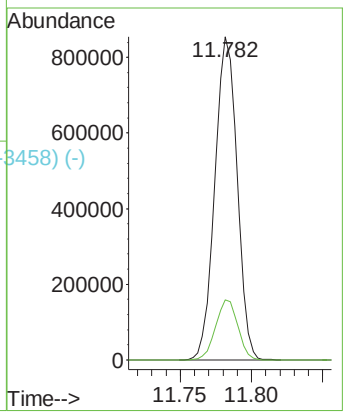


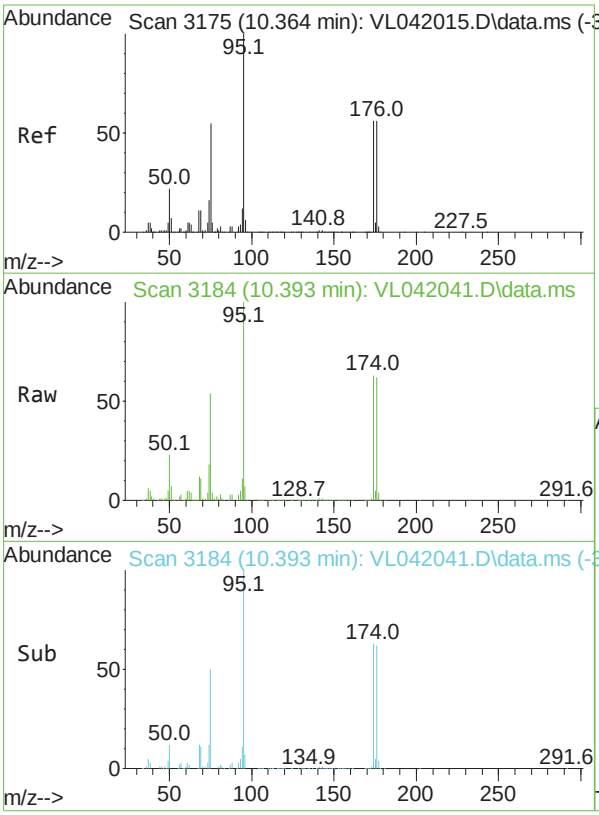
#67
sec-Butylbenzene
Concen: 7.744 ppbv
RT: 11.782 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 928863

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.7	22.1

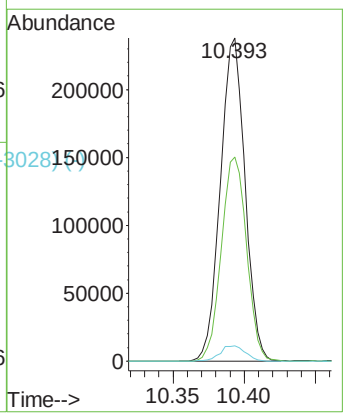


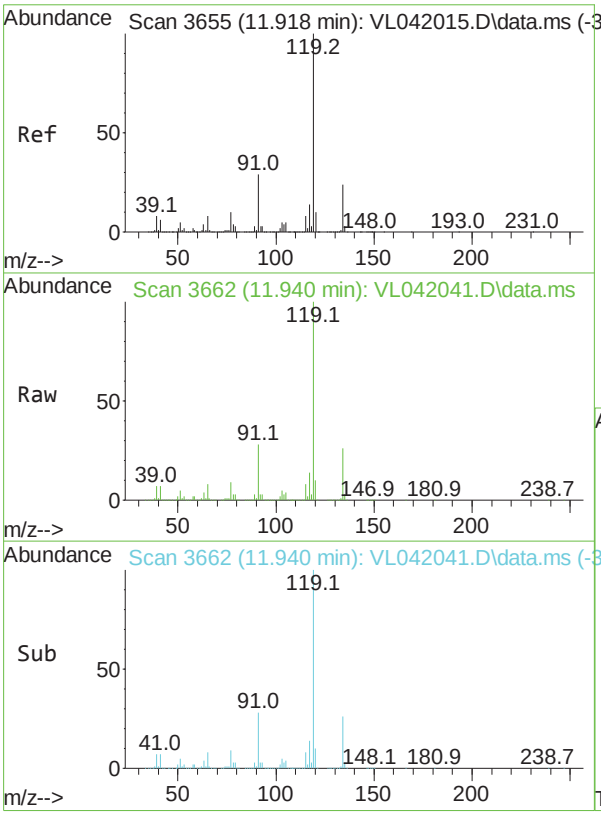


#68
1-Bromo-4-Fluorobenzene
Concen: 9.263 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 95 Resp: 285943

Ion	Ratio	Lower	Upper
95	100		
174	64.7	46.7	70.1
175	4.9	3.7	5.5



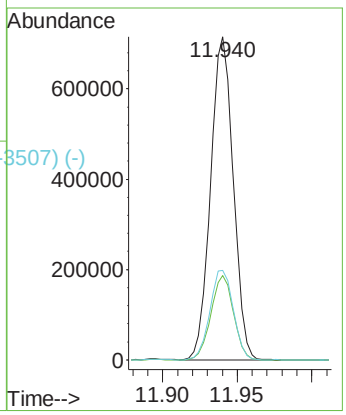


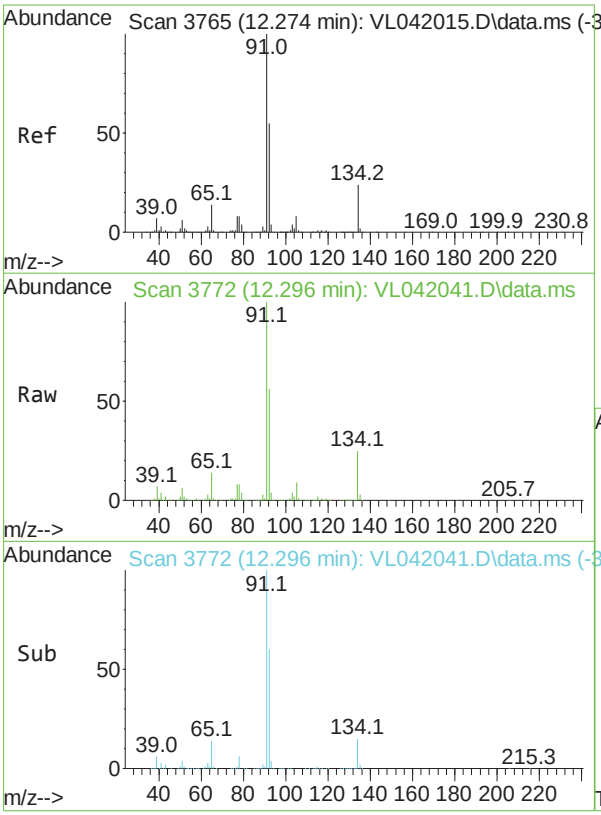
#69
p-Isopropyltoluene
Concen: 7.702 ppbv
RT: 11.940 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 756264

Ion	Ratio	Lower	Upper
119	100		
134	26.1	19.4	29.0
91	28.9	23.4	35.2

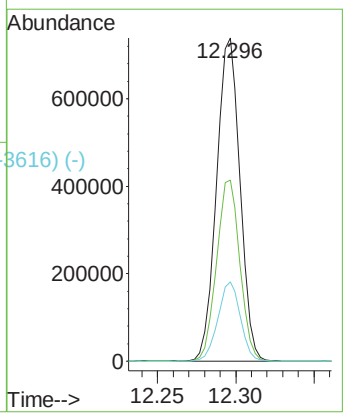


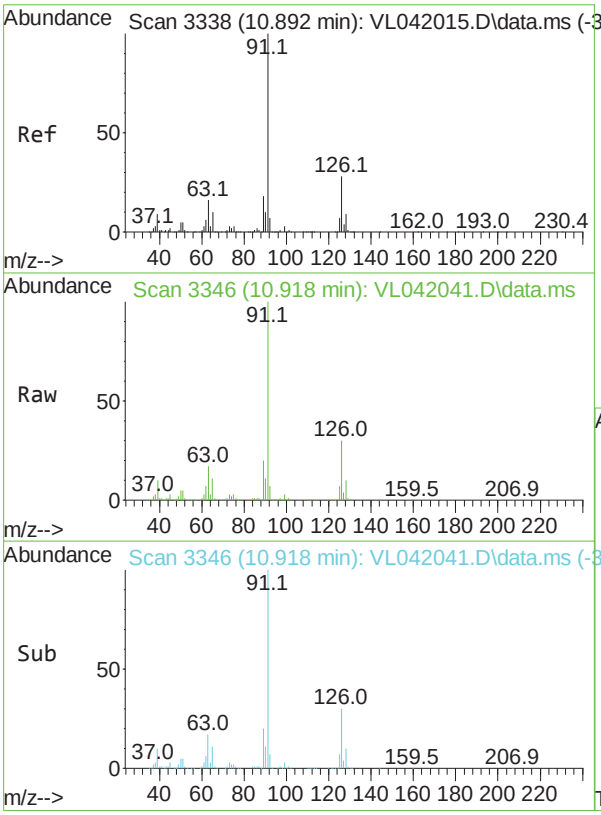


#70
n-Butylbenzene
Concen: 8.009 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion: 91 Resp: 774646

Ion	Ratio	Lower	Upper
91	100		
92	55.9	43.8	65.8
134	23.6	18.6	27.8



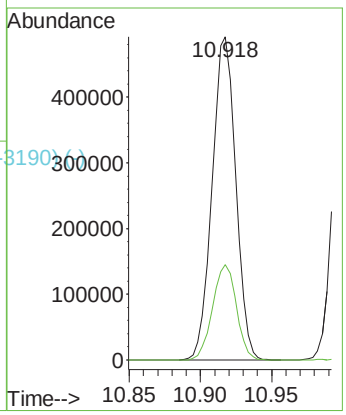


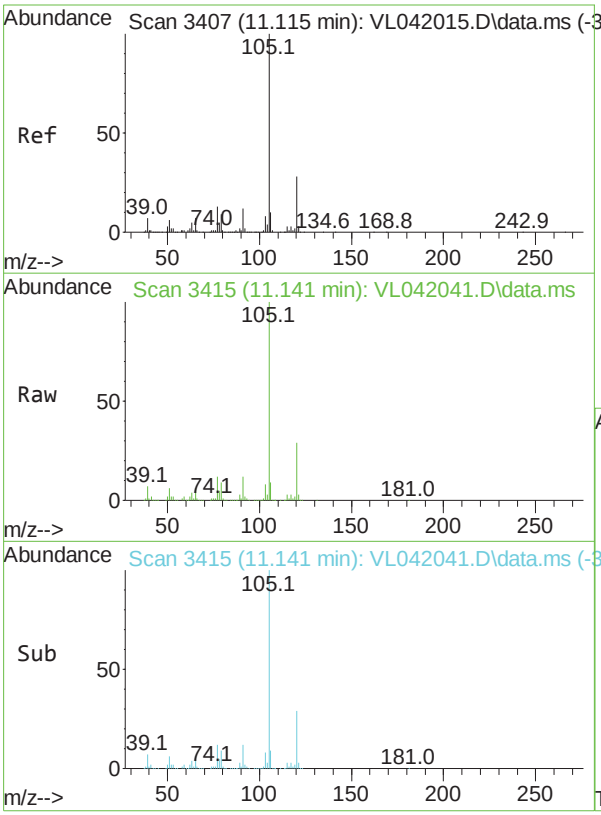
#71
2-Chlorotoluene
Concen: 7.681 ppbv
RT: 10.918 min Scan
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 566619

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.2	45.0

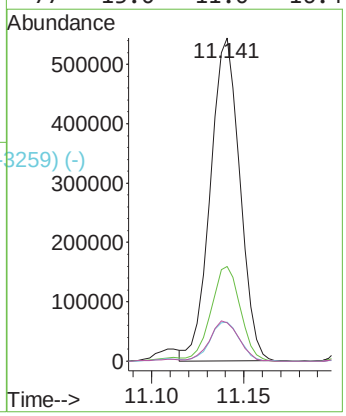


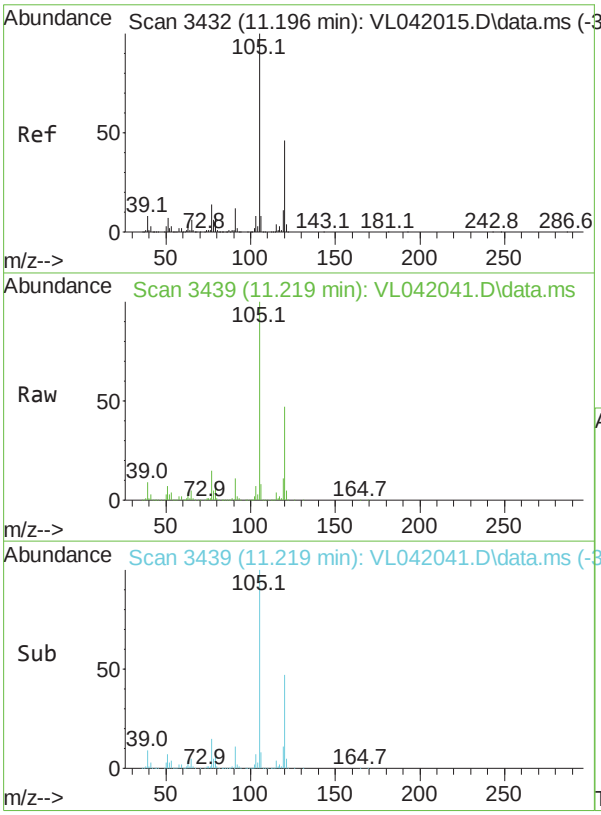


#72
4-Ethyltoluene
Concen: 7.934 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.004 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 606538

Ion	Ratio	Lower	Upper
105	100		
120	30.1	22.7	34.1
91	12.8	10.2	15.2
77	13.0	11.0	16.4



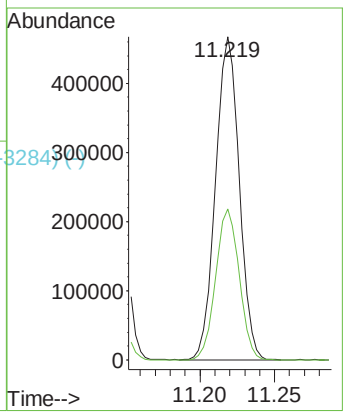


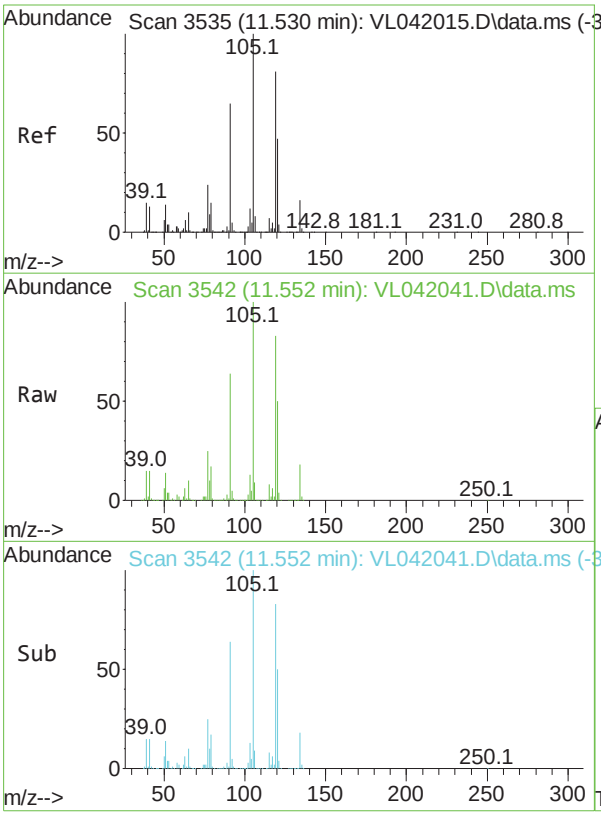
#23 (-)
1,3,5-Trimethylbenzene
Concen: 7.838 ppbv
RT: 11.219 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 516875

Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.1	55.7

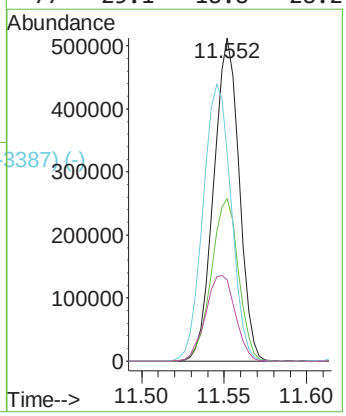


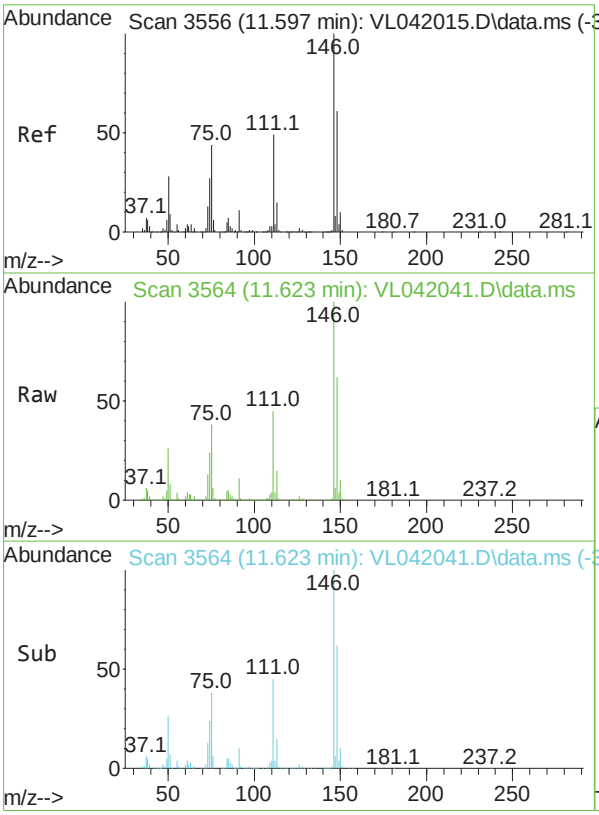


#24 (-)
1,2,4-Trimethylbenzene
Concen: 7.777 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:105 Resp: 550412

Ion	Ratio	Lower	Upper
105	100		
120	50.2	37.5	56.3
91	64.3	51.7	77.5
77	25.1	18.8	28.2



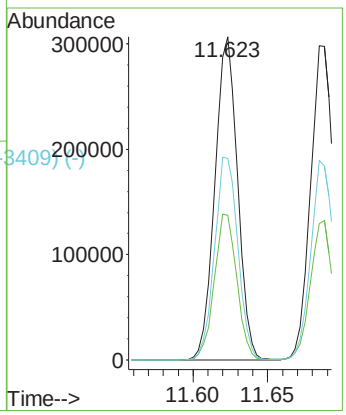


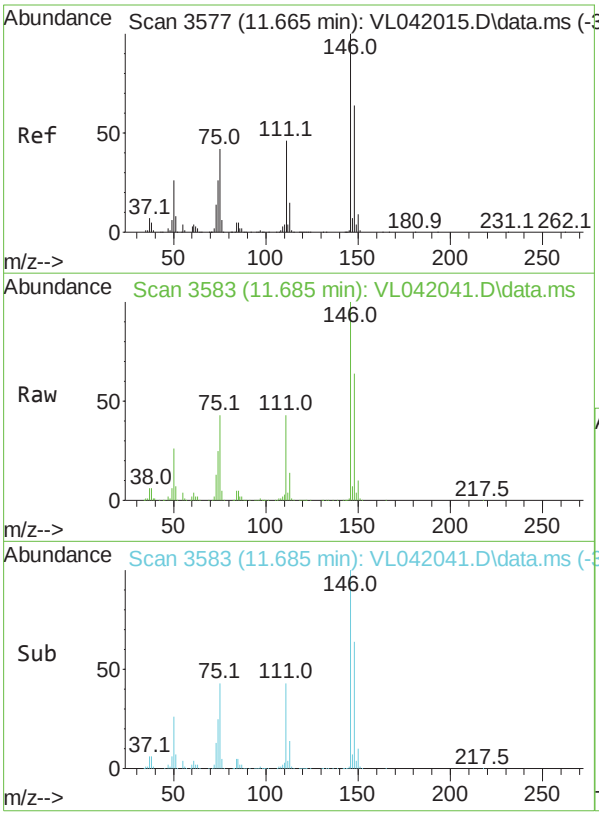
#75
1,3-Dichlorobenzene
Concen: 8.535 ppbv
RT: 11.623 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 325160

Ion	Ratio	Lower	Upper
146	100		
111	44.8	23.9	71.7
148	64.5	31.5	94.5

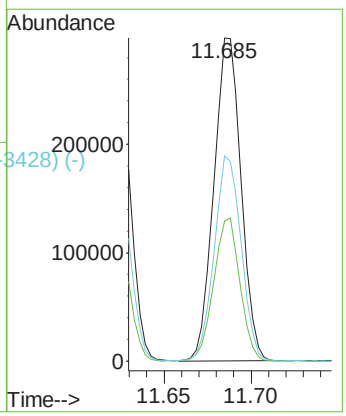


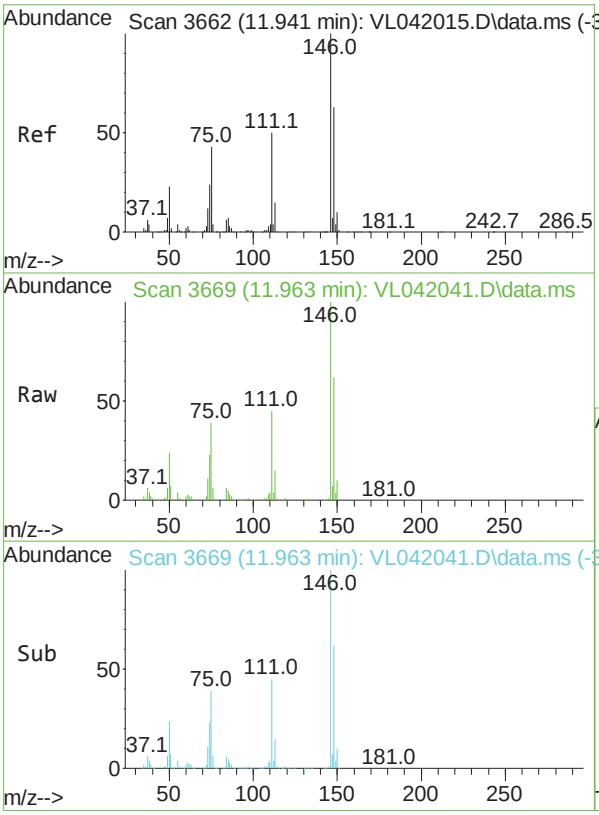


#76
1,4-Dichlorobenzene
Concen: 8.678 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:146 Resp: 322404

Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.5	70.5
148	63.3	32.3	96.9



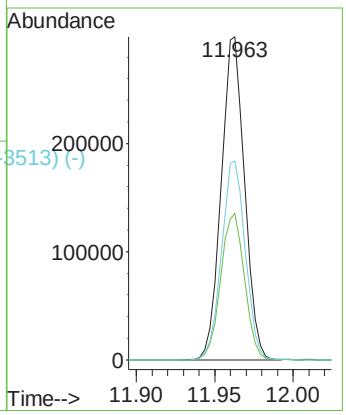


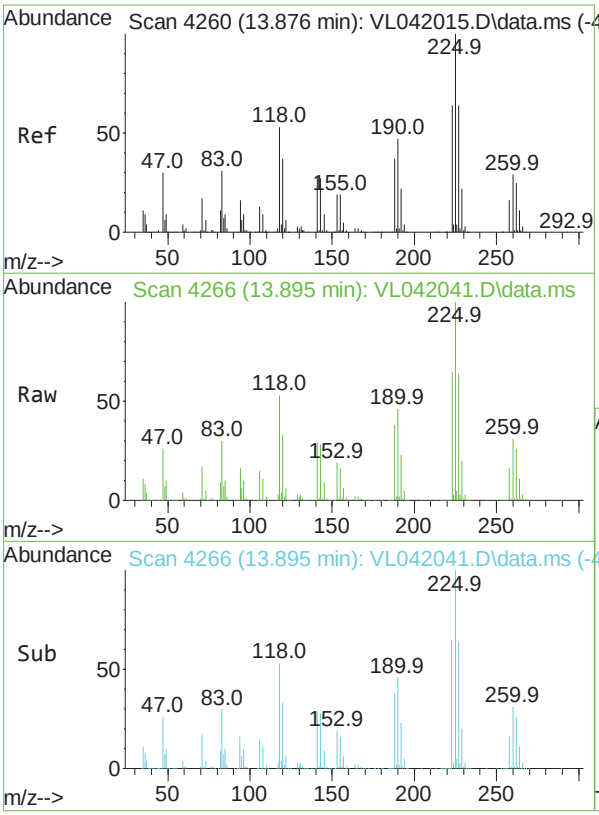
#527 (-)
1,2-Dichlorobenzene
Concen: 8.593 ppbv
RT: 11.963 min Scan
Delta R.T. 0.003 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 312942

Ion	Ratio	Lower	Upper
146	100		
111	46.4	25.6	76.8
148	62.8	31.9	95.7

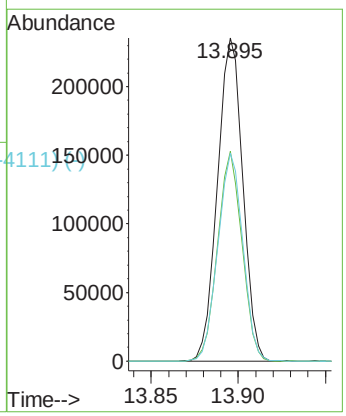


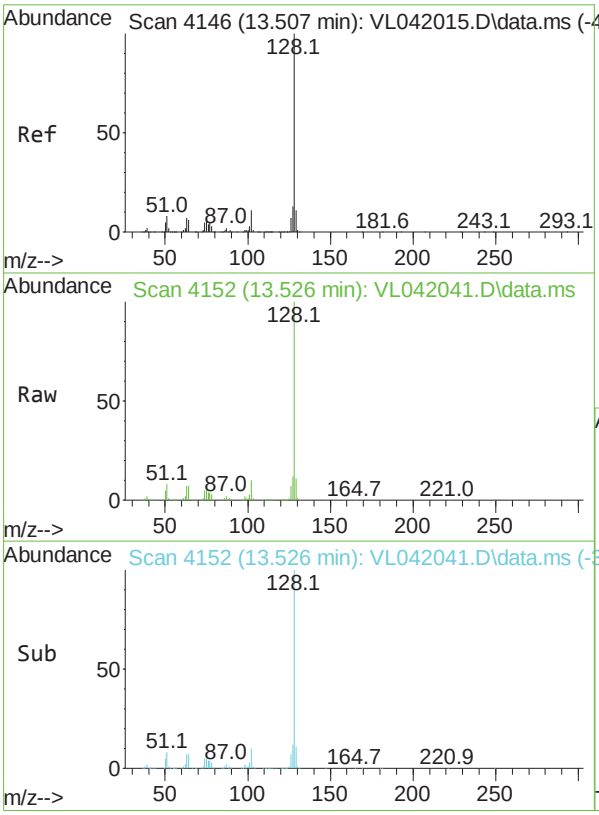


#528 (-)
Hexachloro-1,3-Butadiene
Concen: 7.907 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:225 Resp: 238217

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	63.5	50.9	76.3



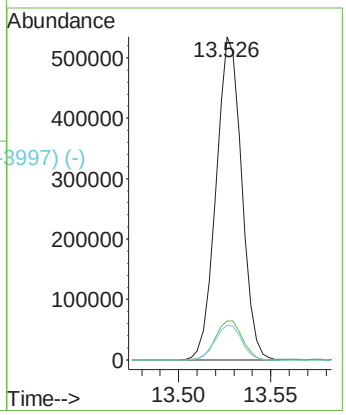


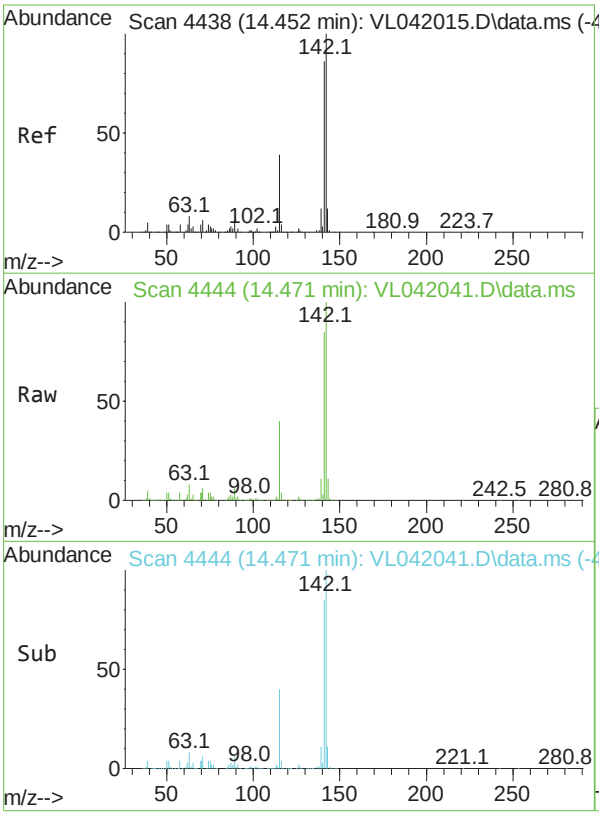
#379 (-)
Naphthalene
Concen: 7.372 ppbv
RT: 13.526 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 513192

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	10.7	8.6	13.0

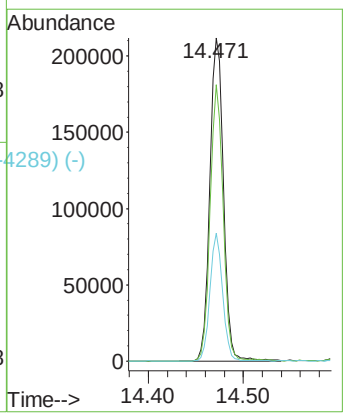


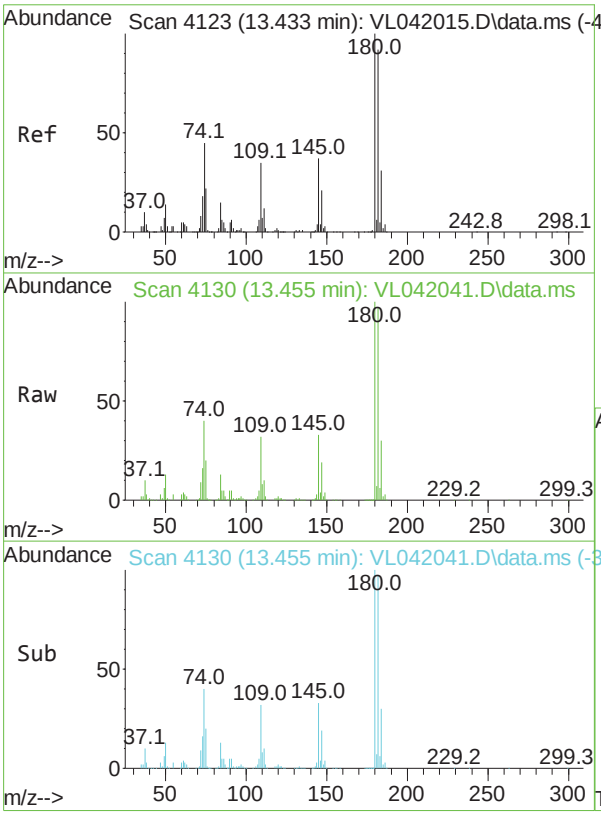


#380 (-)
Naphthalene,2-methyl-
Concen: 6.676 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Tgt Ion:142 Resp: 210405

Ion	Ratio	Lower	Upper
142	100		
141	82.2	68.2	102.2
115	36.9	33.6	50.4



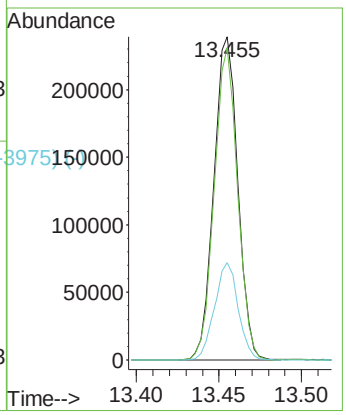


#81
1,2,4-Trichlorobenzene
Concen: 8.517 ppbv
RT: 13.455 min Scan
Delta R.T. 0.000 min
Lab File: VL042041.D
Acq: 25 Feb 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 241031

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.8	113.6
184	29.7	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	160999	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	427051	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	377910	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	289049	9.273	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	92.700%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	35122	1.267	ppbv		95
3) Chlorodifluoromethane	1.483	51	49423	1.613	ppbv		94
4) Chloromethane	1.538	50	12833	1.192	ppbv	#	87
5) Vinyl Chloride	1.586	62	11611	0.902	ppbv		97
6) Bromomethane	1.674	94	5996	1.201	ppbv		97
7) Chloroethane	1.712	64	5014	1.195	ppbv		90
8) Dichlorotetrafluoroethane	1.560	85	29028	1.191	ppbv		99
9) Propene	1.489	41	20484	1.551	ppbv		95
10) Heptane	5.004	43	63098	1.720	ppbv		94
11) Trichlorofluoromethane	1.884	101	36041	1.292	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.149	101	27846	1.280	ppbv		90
13) Ethanol	1.729	45	1291	0.866	ppbv		91
14) Bromoethene	1.790	108	9642	1.187	ppbv		93
15) Acetone	1.842	43	30058	1.131	ppbv		100
16) 1,3-Butadiene	1.615	39	13471	1.069	ppbv		100
17) tert-Butyl alcohol	2.052	59	38684	1.176	ppbv		96
18) 1,1-Dichloroethene	2.043	96	12417	1.195	ppbv		93
19) Isopropyl Alcohol	1.894	45	17927	1.203	ppbv		96
20) Methylene Chloride	2.072	84	10587	1.058	ppbv	#	80
21) Allyl Chloride	2.107	41	20564	1.069	ppbv		96
22) trans-1,2-Dichloroethene	2.350	96	14475	1.283	ppbv		81
23) Vinyl Acetate	2.473	43	22394	1.556	ppbv	#	94
24) 1,1-Dichloroethane	2.421	63	27804	1.214	ppbv		99
25) Ethyl Acetate	2.852	43	121593	1.667	ppbv		100
26) Hexane	2.839	57	48912	1.671	ppbv		98
27) Carbon Disulfide	2.159	76	33222	1.207	ppbv	#	57
28) Methyl tert-Butyl Ether	2.457	73	26968	1.507	ppbv		100
29) Chloroform	2.865	83	63463	1.497	ppbv		92
30) Cyclohexane	3.878	84	40420	1.702	ppbv		98
31) cis-1,2-Dichloroethene	2.732	61	46690	1.614	ppbv		96
32) 1,1,1-Trichloroethane	3.386	97	62586	1.331	ppbv		97
34) 2-Butanone	2.573	43	69370	1.888	ppbv		96
35) Carbon Tetrachloride	3.784	117	61895	1.493	ppbv		97
36) Benzene	3.677	78	94277	1.822	ppbv		98
37) 1,2-Dichloroethane	3.237	62	51050	1.734	ppbv		99
38) Trichloroethene	4.574	130	38184	1.817	ppbv		99
39) 1,2-Dichloropropane	4.341	63	35396	1.866	ppbv		95
40) 1,4-Dioxane	4.622	88	15442	1.565	ppbv	#	28
41) Tetrahydrofuran	3.075	42	40365	1.922	ppbv		96
42) Bromodichloromethane	4.512	83	69154	1.733	ppbv		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.910	69	36393	1.543	ppbv		94
44) 2,2,4-Trimethylpentane	4.664	57	166945	1.901	ppbv		97
45) t-1,3-Dichloropropene	6.448	75	35707	1.604	ppbv		93
46) cis-1,3-Dichloropropene	5.632	75	46835	1.658	ppbv		93
47) 1,1,2-Trichloroethane	6.613	97	36368	1.822	ppbv		93
48) Dibromochloromethane	7.412	129	56931	1.703	ppbv		99
49) Bromoform	9.503	173	50259	1.833	ppbv		99
50) 4-Methyl-2-Pentanone	5.797	43	83246	1.474	ppbv		99
51) 2-Hexanone	7.470	43	51926	1.124	ppbv	#	94
52) Tetrachloroethene	8.244	164	32874	1.822	ppbv		95
53) Toluene	6.962	91	109646	1.779	ppbv		98
54) 1,2-Dibromoethane	7.678	107	50010	1.820	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.946	131	44947	1.662	ppbv		98
57) Chlorobenzene	8.943	112	84749	1.906	ppbv		95
58) Ethyl Benzene	9.374	91	149185	1.804	ppbv		99
59) m/p-Xylene	9.548	91	115500	1.773	ppbv	#	20
60) o-Xylene	9.982	91	119170	1.809	ppbv		97
61) Styrene	9.888	104	55798	1.776	ppbv		96
62) Isopropylbenzene	10.555	105	181311	1.833	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.982	83	77911	1.833	ppbv		96
64) n-propylbenzene	11.005	120	47764	1.965	ppbv		92
65) tert-Butylbenzene	11.545	119	167973	1.948	ppbv		96
66) Benzyl Chloride	11.630	91	12304	1.423	ppbv	#	98
67) sec-Butylbenzene	11.782	105	240504	1.986	ppbv		99
69) p-Isopropyltoluene	11.940	119	194660	1.963	ppbv		99
70) n-Butylbenzene	12.296	91	194416	1.991	ppbv		99
71) 2-Chlorotoluene	10.917	91	140068	1.880	ppbv		98
72) 4-Ethyltoluene	11.141	105	150038	1.944	ppbv		98
73) 1,3,5-Trimethylbenzene	11.218	105	128202	1.925	ppbv		99
74) 1,2,4-Trimethylbenzene	11.549	105	150380	2.104	ppbv	#	88
75) 1,3-Dichlorobenzene	11.623	146	81884	2.129	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	82560	2.201	ppbv		97
77) 1,2-Dichlorobenzene	11.963	146	80367	2.186	ppbv		96
78) Hexachloro-1,3-Butadiene	13.895	225	63815	2.098	ppbv		99
79) Naphthalene	13.526	128	102197	1.454	ppbv		98
80) Naphthalene,2-methyl-	14.475	142	18104	0.569	ppbv		94
81) 1,2,4-Trichlorobenzene	13.455	180	57798	2.023	ppbv		98

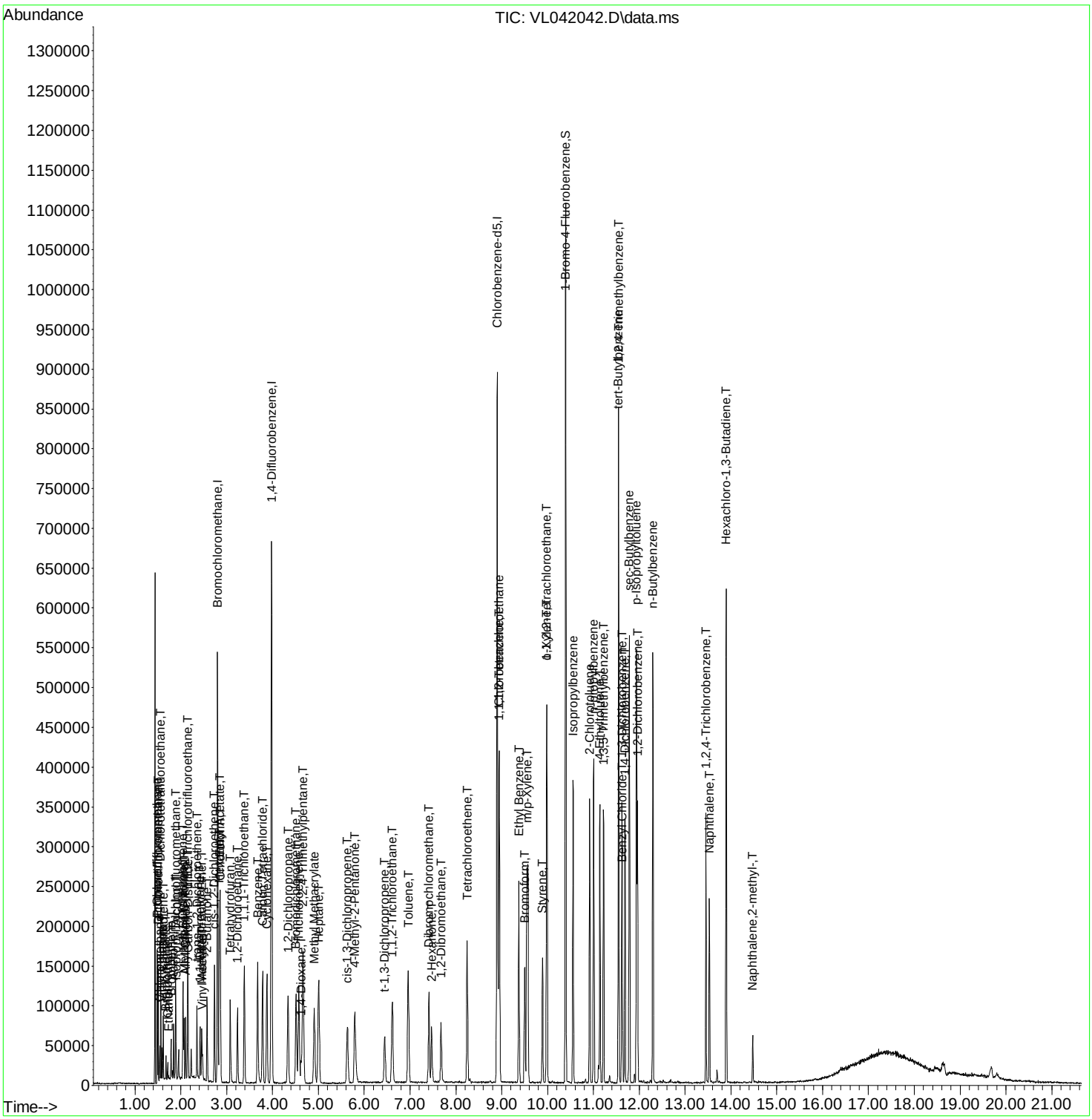
(#) = qualifier out of range (m) = manual integration (+) = signals summed

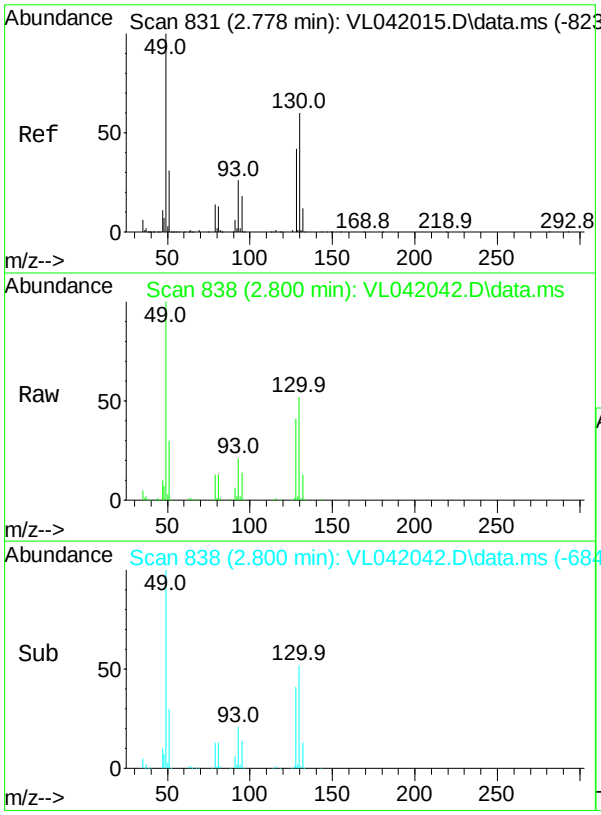
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

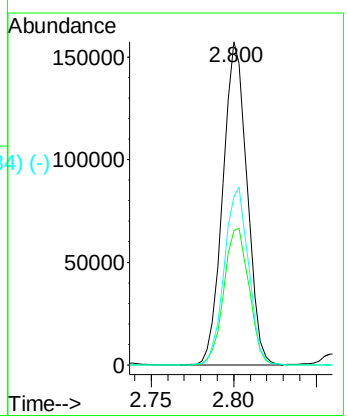


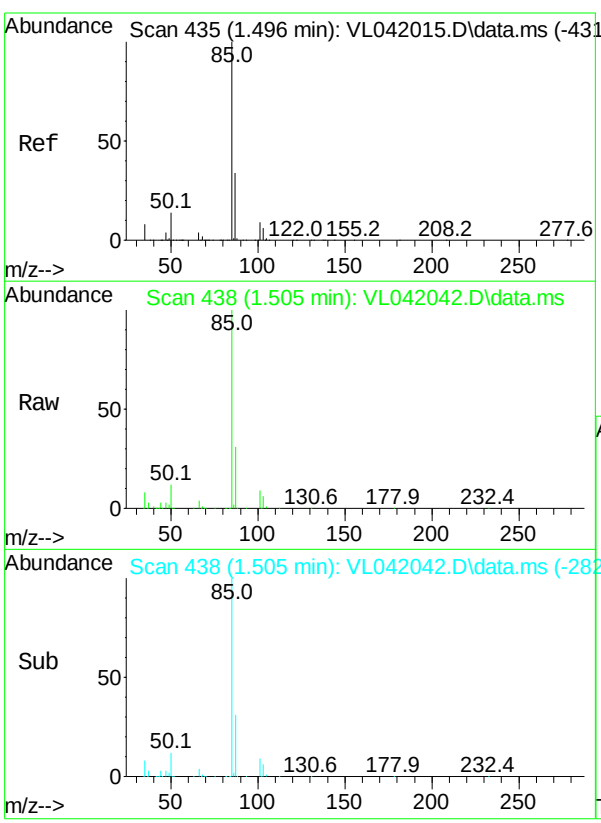


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 49 Resp: 160999

Ion	Ratio	Lower	Upper
49	100		
128	44.0	22.7	68.0
130	54.7	29.9	89.8

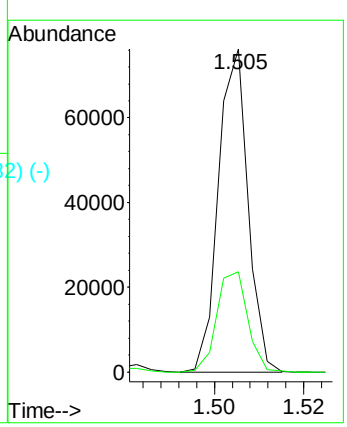




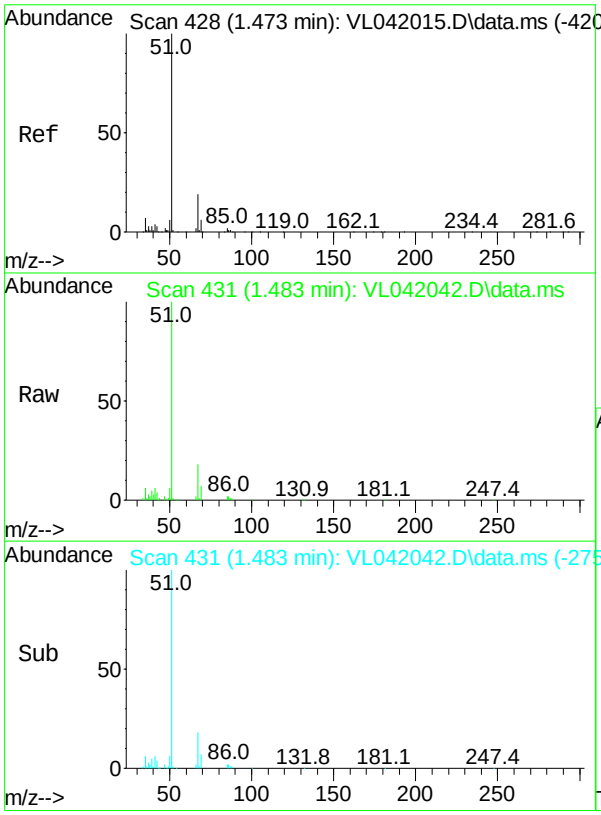
#2
Dichlorodifluoromethane
Concen: 1.267 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 35122

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.9	40.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

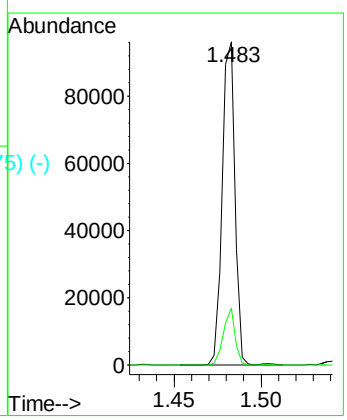


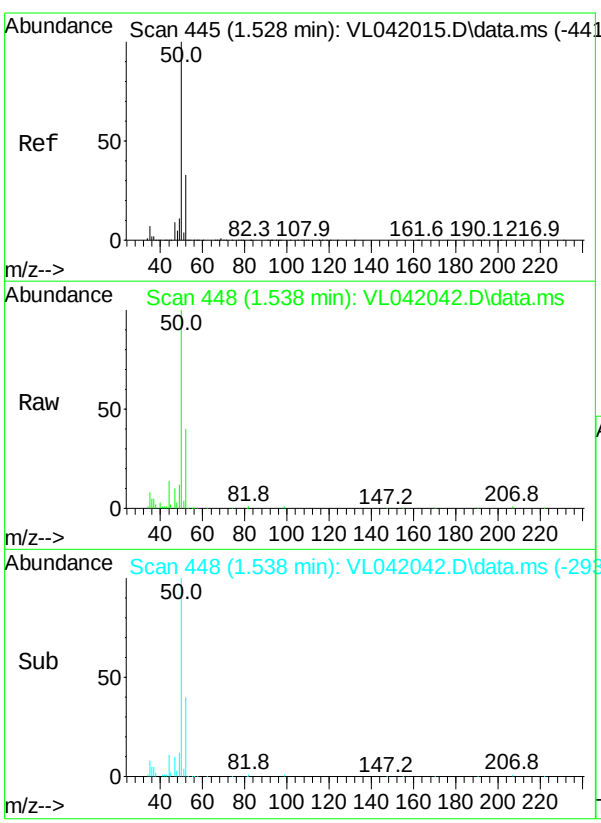
#3
Chlorodifluoromethane
Concen: 1.613 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 49423

Ion	Ratio	Lower	Upper
51	100		
67	16.1	15.0	22.6

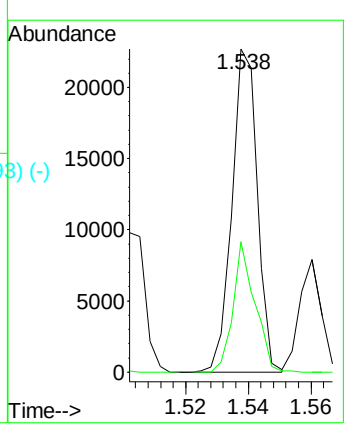


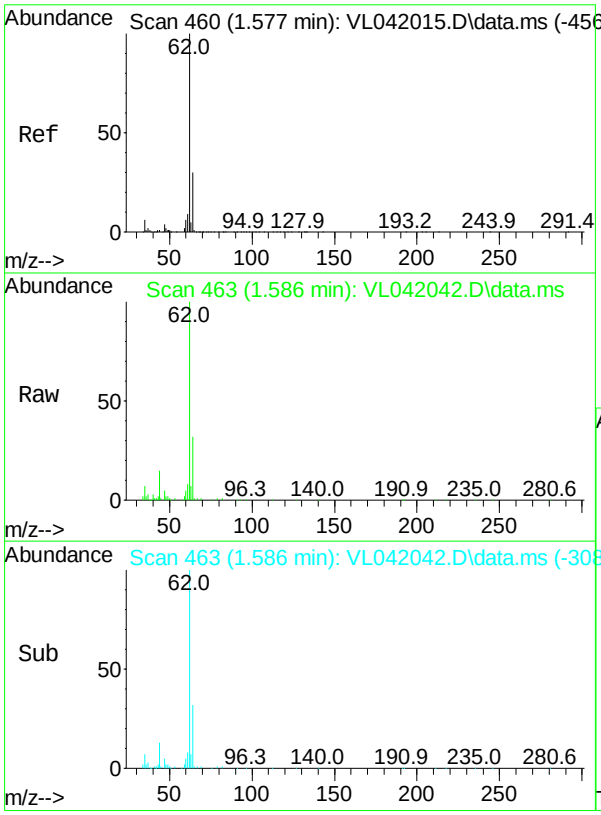


#4
Chloromethane
Concen: 1.192 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 50 Resp: 12833

Ion	Ratio	Lower	Upper
50	100		
52	40.2	26.2	39.2#

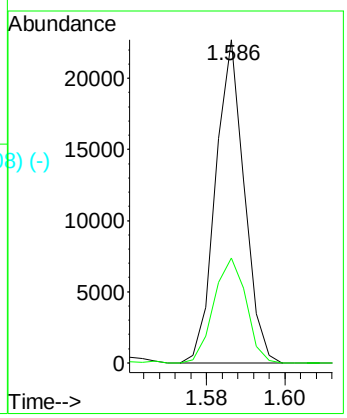


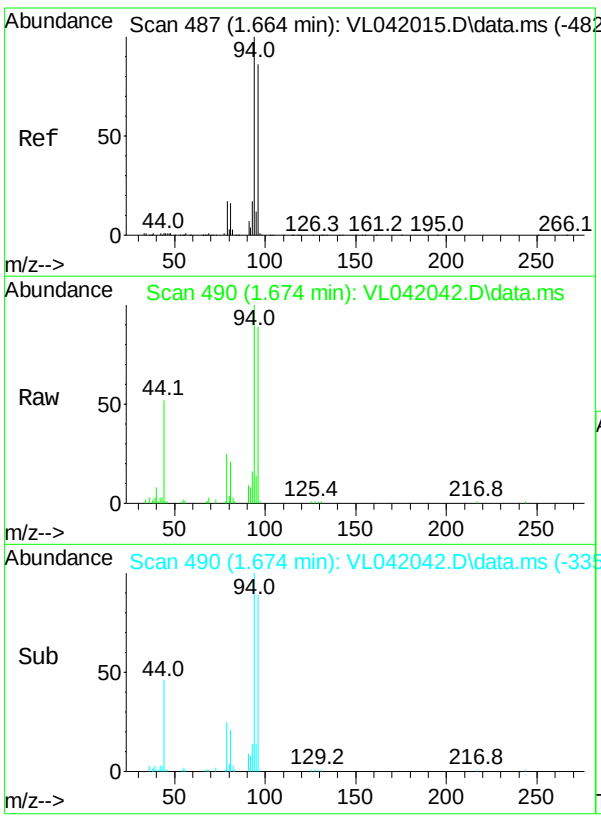


#5
Vinyl Chloride
Concen: 0.902 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 62 Resp: 11611

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.4	36.6

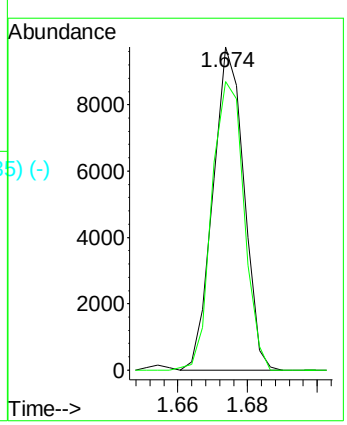


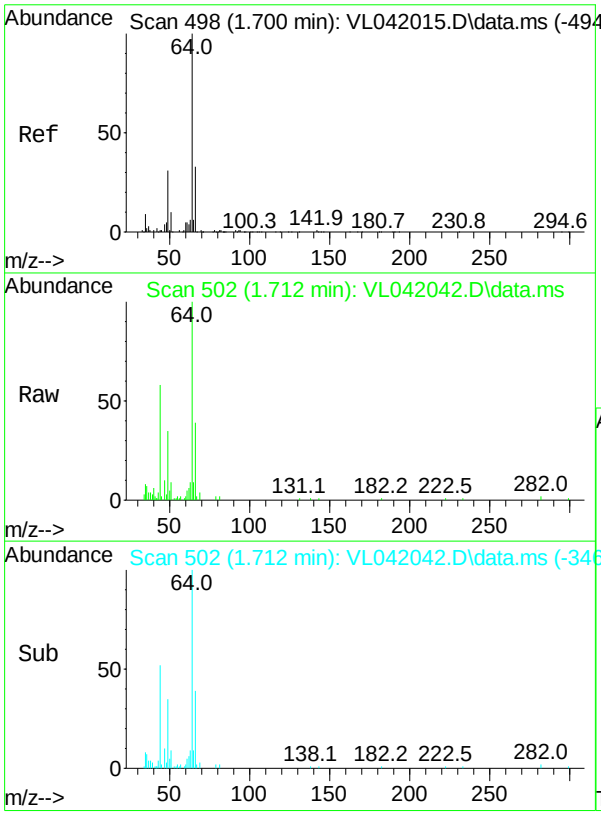


#6
Bromomethane
Concen: 1.201 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 94 Resp: 5996

Ion	Ratio	Lower	Upper
94	100		
96	89.3	69.0	103.6

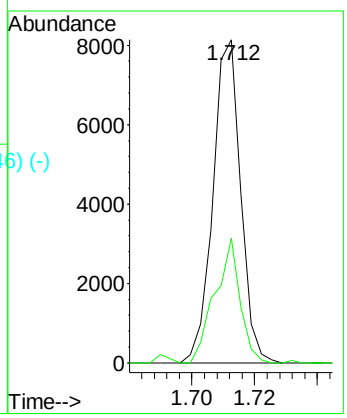




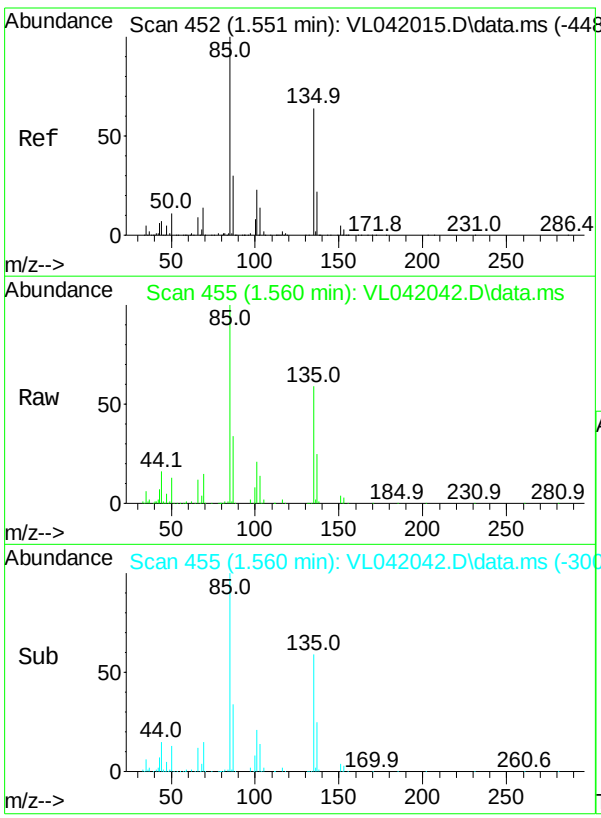
#7
Chloroethane
Concen: 1.195 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 64 Resp: 5014

Ion	Ratio	Lower	Upper
64	100		
66	38.7	26.5	39.7



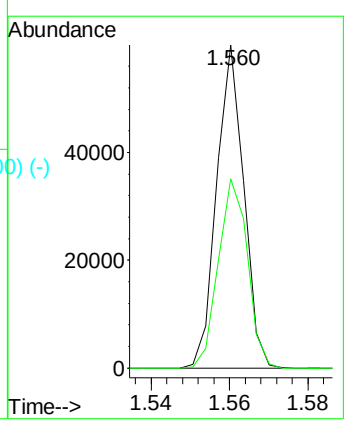
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



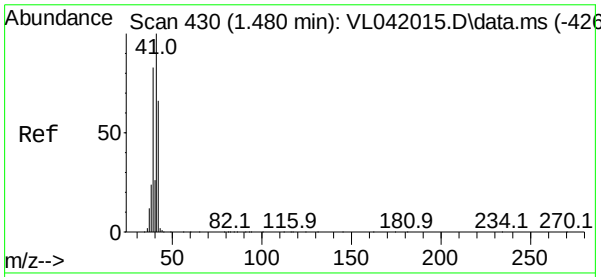
#8
Dichlorotetrafluoroethane
Concen: 1.191 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 29028

Ion	Ratio	Lower	Upper
85	100		
135	63.1	50.9	76.3



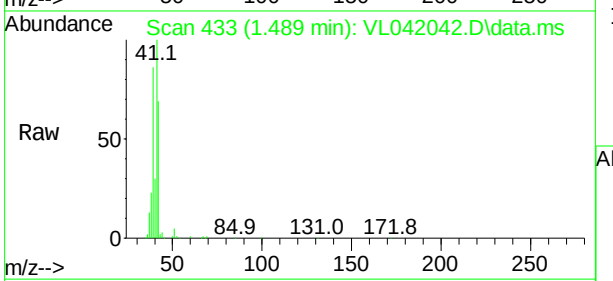
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

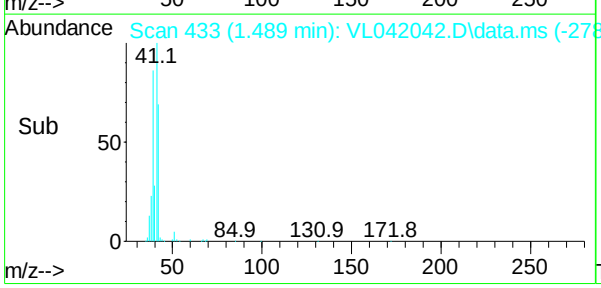


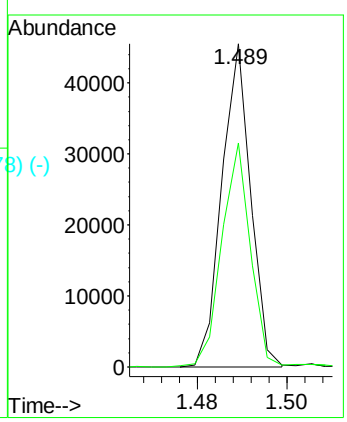
#9
Propene
Concen: 1.551 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

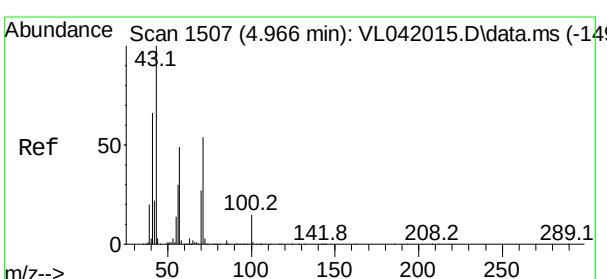
Tgt Ion: 41 Resp: 20484

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.5	80.3





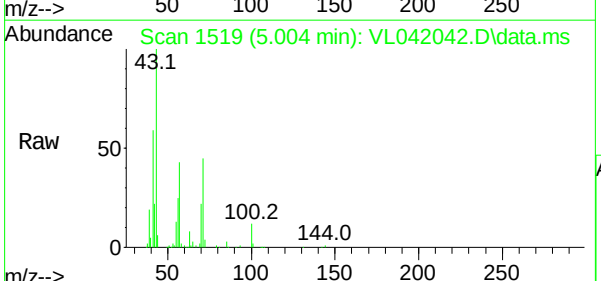


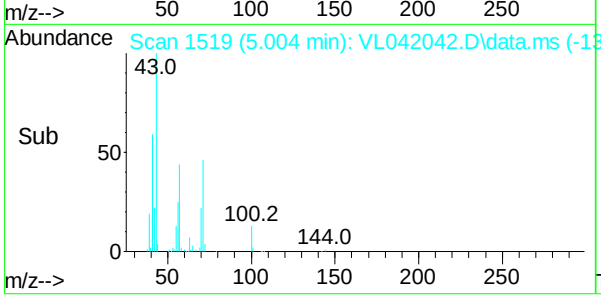


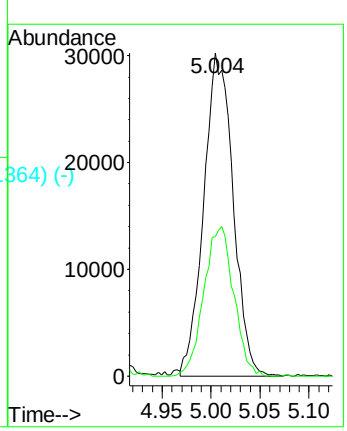
#10
Heptane
Concen: 1.720 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

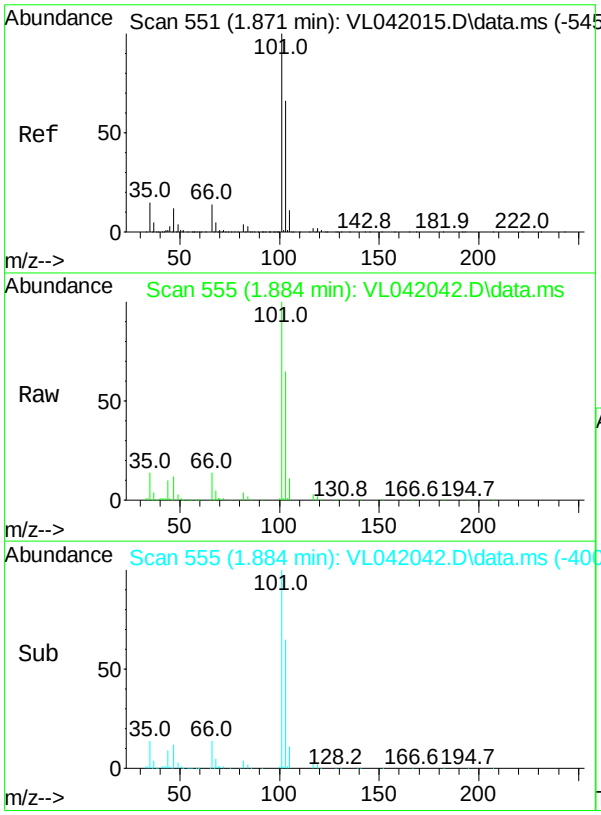
Tgt Ion: 43 Resp: 63098

Ion	Ratio	Lower	Upper
43	100		
57	47.0	41.0	61.6









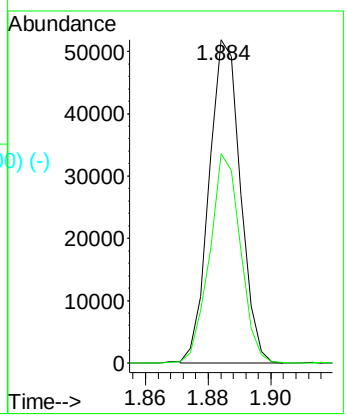
#11

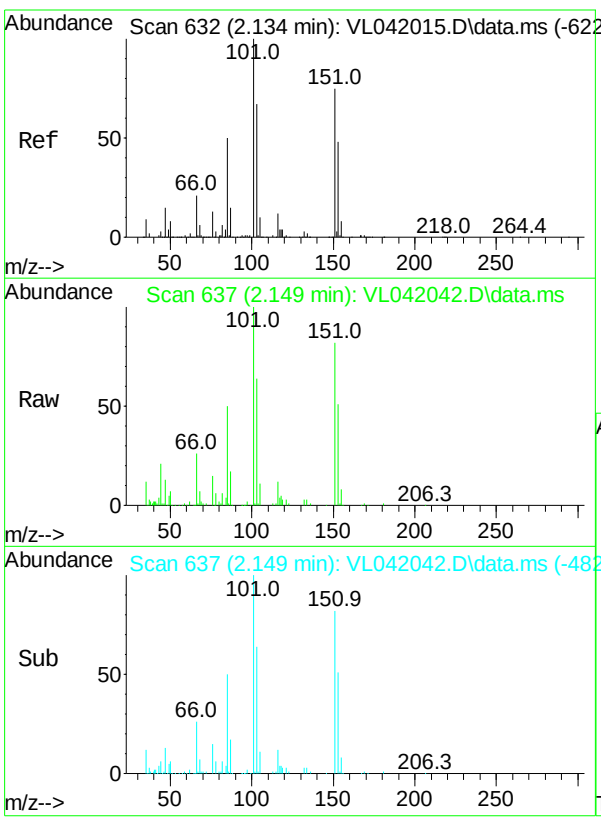
Trichlorofluoromethane
Concen: 1.292 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 36041

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.9	79.3



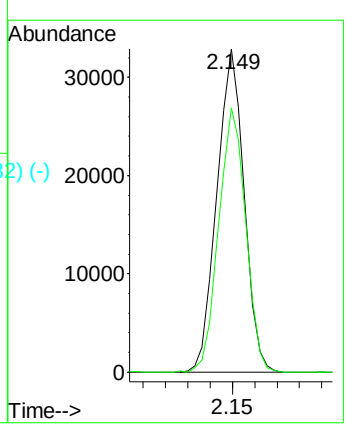


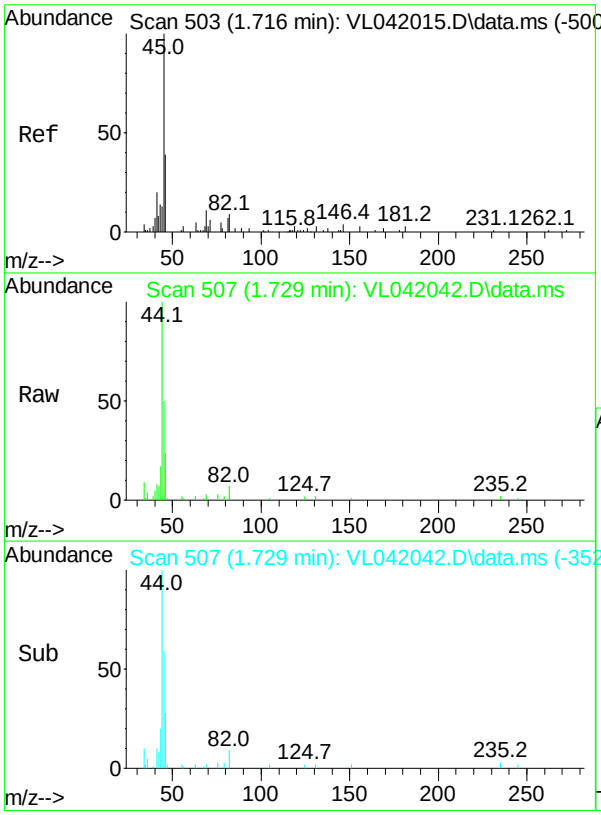
#12

1,1,2-Trichlorotrifluoroethane
Concen: 1.280 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:101 Resp: 27846

Ion	Ratio	Lower	Upper
101	100		
151	81.3	58.2	87.2

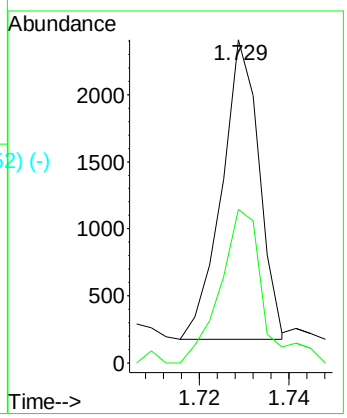




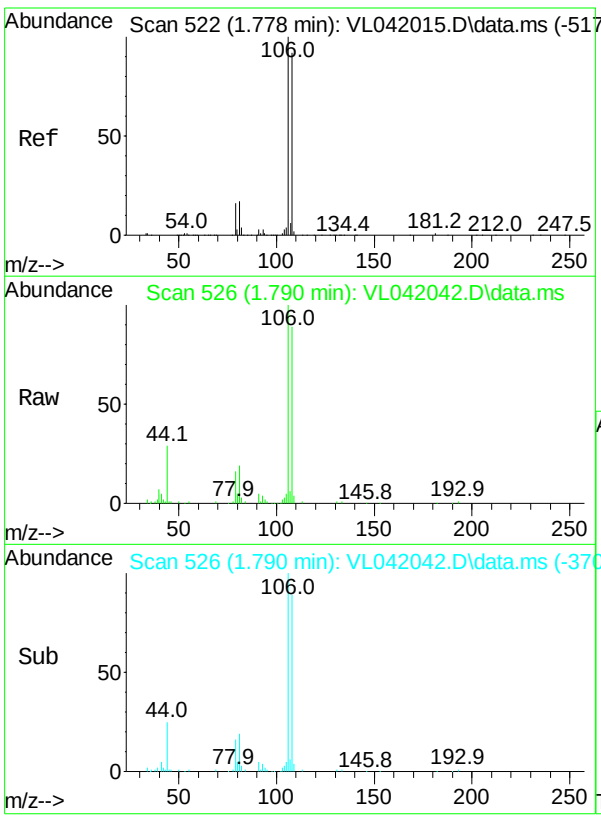
#13
Ethanol
Concen: 0.866 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 45 Resp: 1291

Ion	Ratio	Lower	Upper
45	100		
46	59.8	21.3	85.1



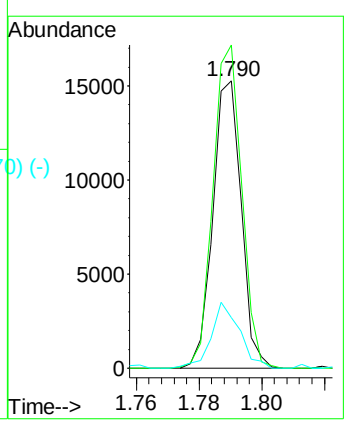
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



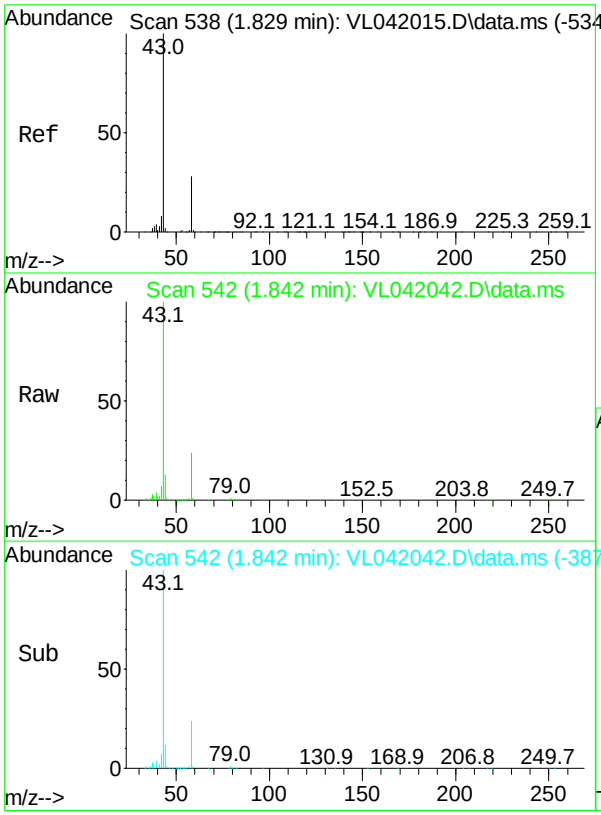
#14
Bromoethene
Concen: 1.187 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:108 Resp: 9642

Ion	Ratio	Lower	Upper
108	100		
106	114.2	85.0	127.6
79	23.8	17.3	25.9



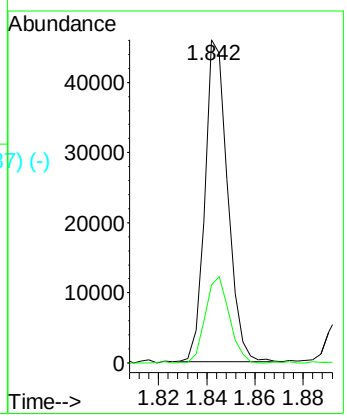
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

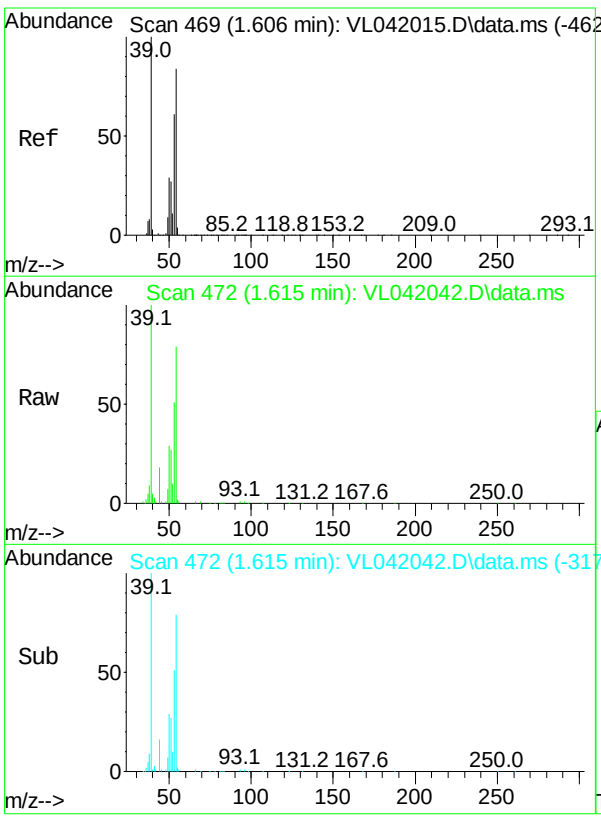


#15
Acetone
Concen: 1.131 ppbv
RT: 1.842 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 30058

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.9	34.3

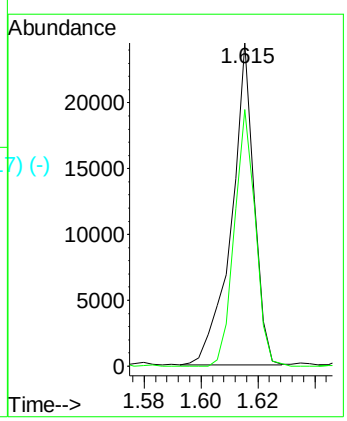


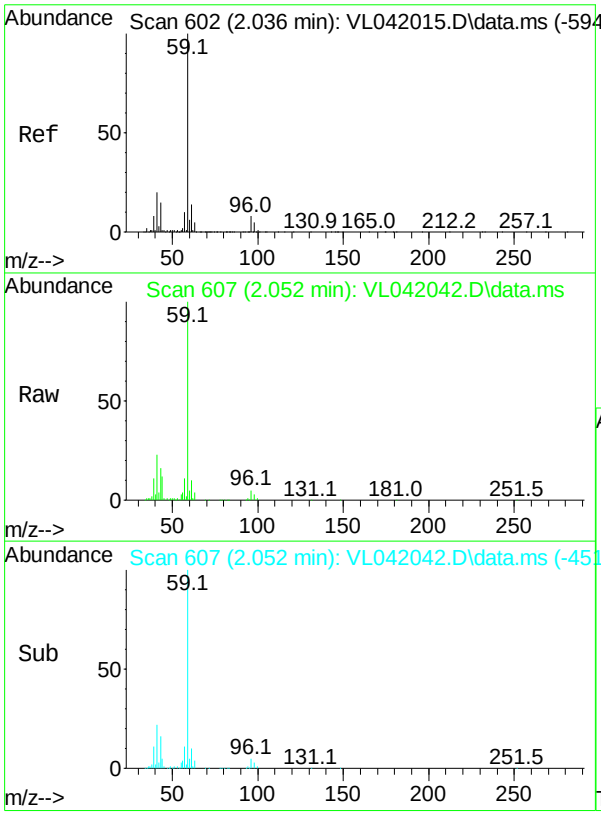


#16
1,3-Butadiene
Concen: 1.069 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 39 Resp: 13471

Ion	Ratio	Lower	Upper
39	100		
54	74.0	59.4	89.2

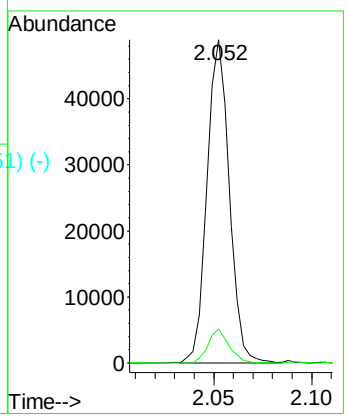


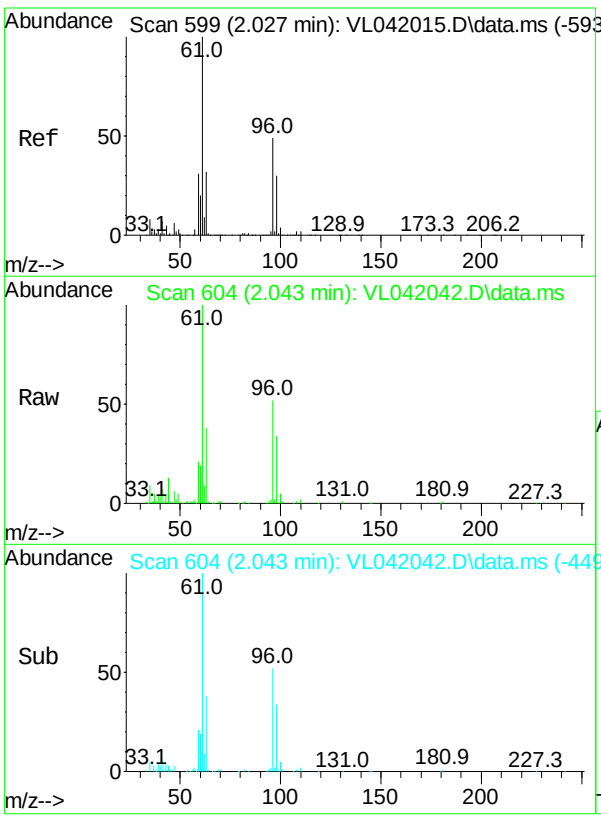


#17
tert-Butyl alcohol
Concen: 1.176 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 59 Resp: 38684

Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.2	13.8

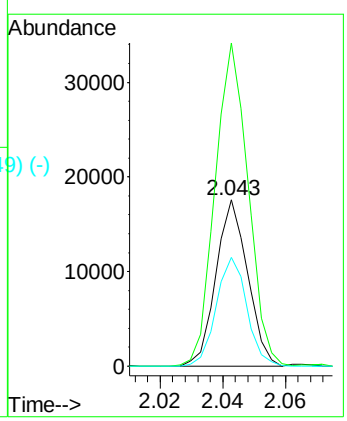




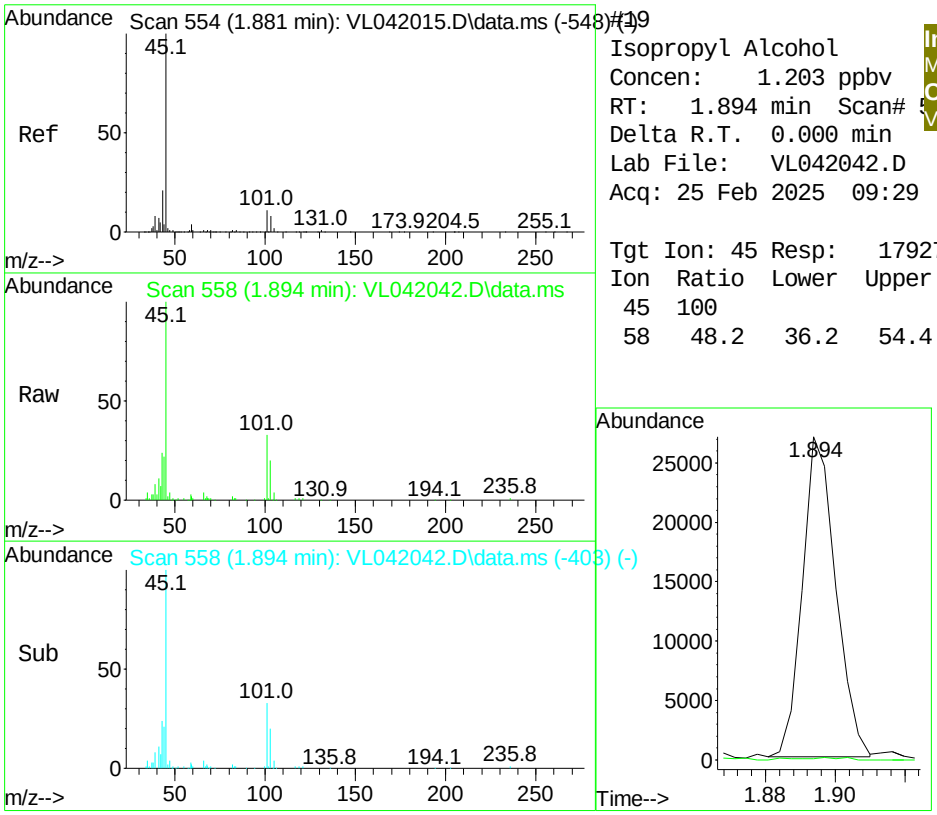
#18
1,1-Dichloroethene
Concen: 1.195 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 12417

Ion	Ratio	Lower	Upper
96	100		
61	193.2	163.5	245.3
98	65.1	49.4	74.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

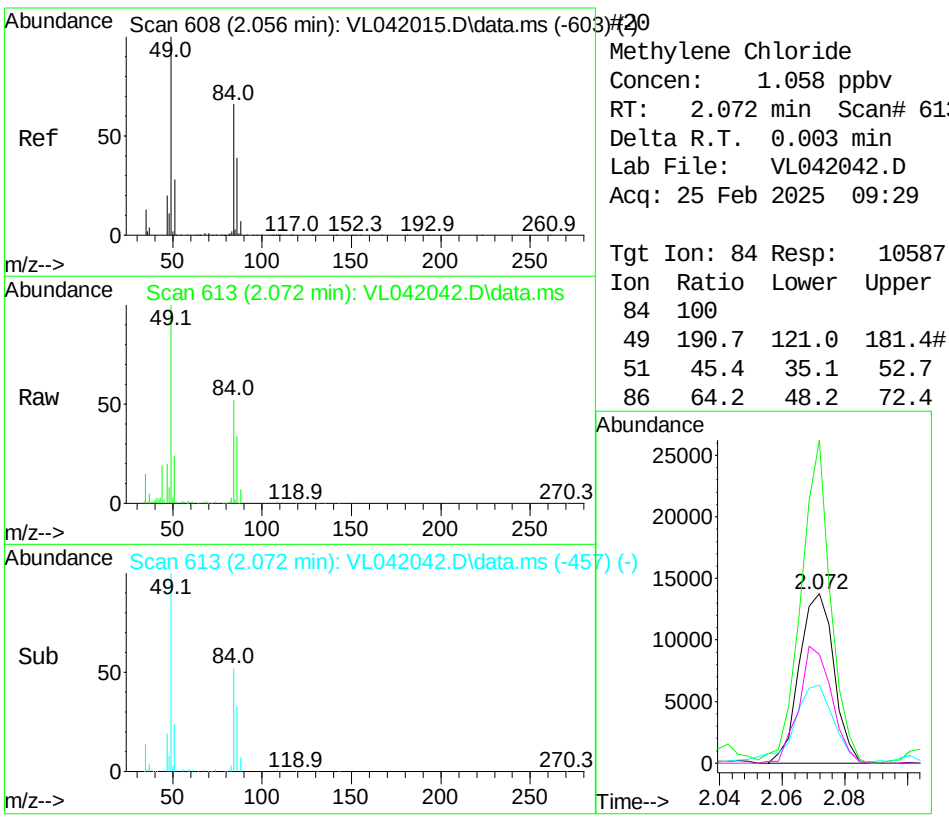


#19
Isopropyl Alcohol
Concen: 1.203 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 45 Resp: 17927

Ion	Ratio	Lower	Upper
45	100		
58	48.2	36.2	54.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

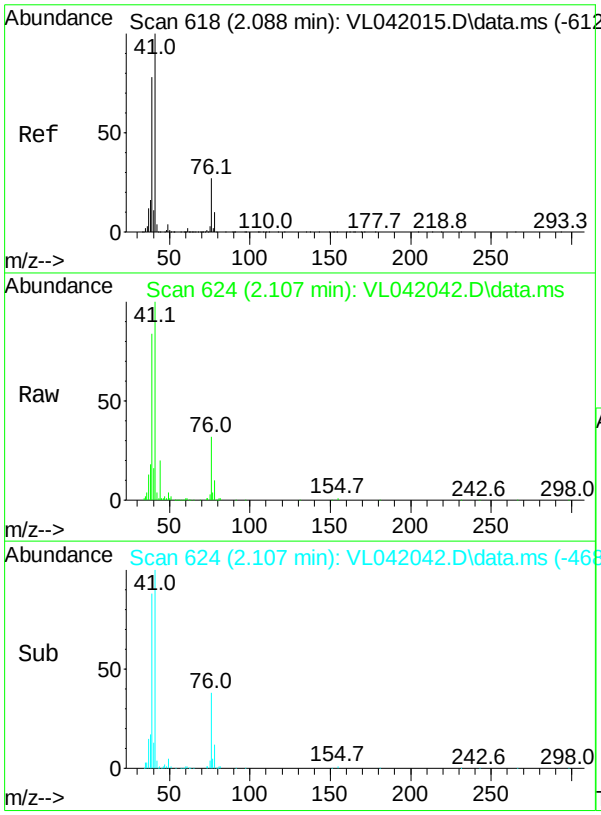


#20
Methylene Chloride
Concen: 1.058 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 84 Resp: 10587

Ion	Ratio	Lower	Upper
84	100		
49	190.7	121.0	181.4#
51	45.4	35.1	52.7
86	64.2	48.2	72.4

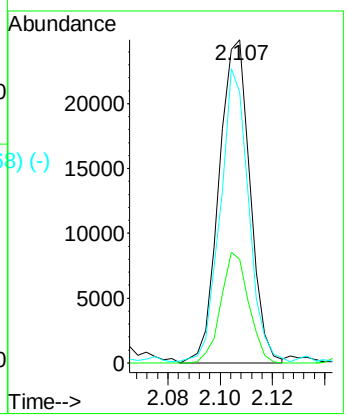
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

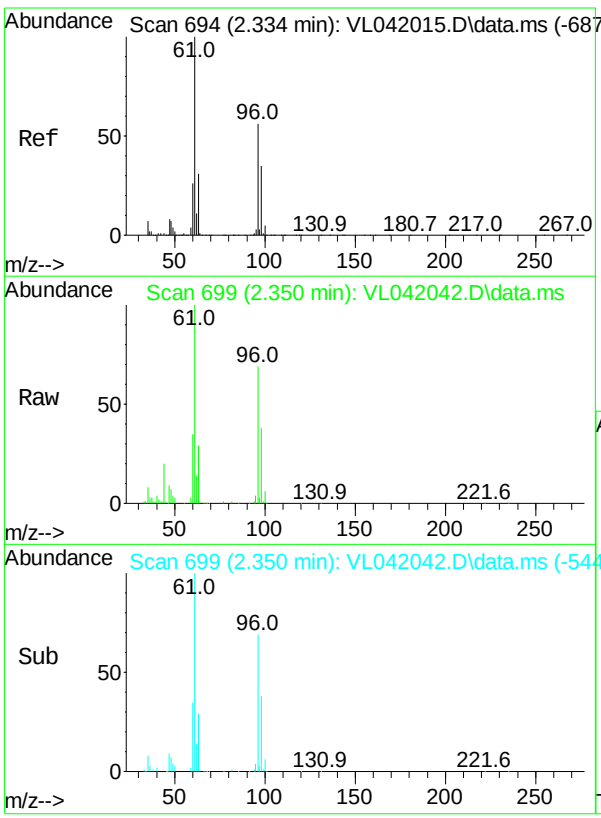


#21
Allyl Chloride
Concen: 1.069 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 41 Resp: 20564

Ion	Ratio	Lower	Upper
41	100		
76	30.7	23.7	35.5
39	82.6	63.0	94.6

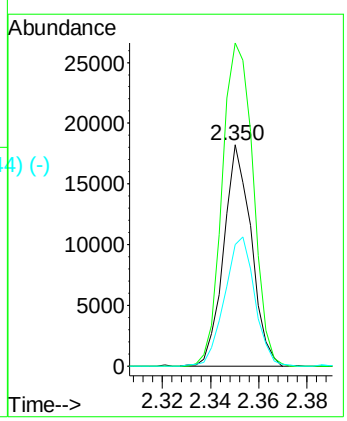


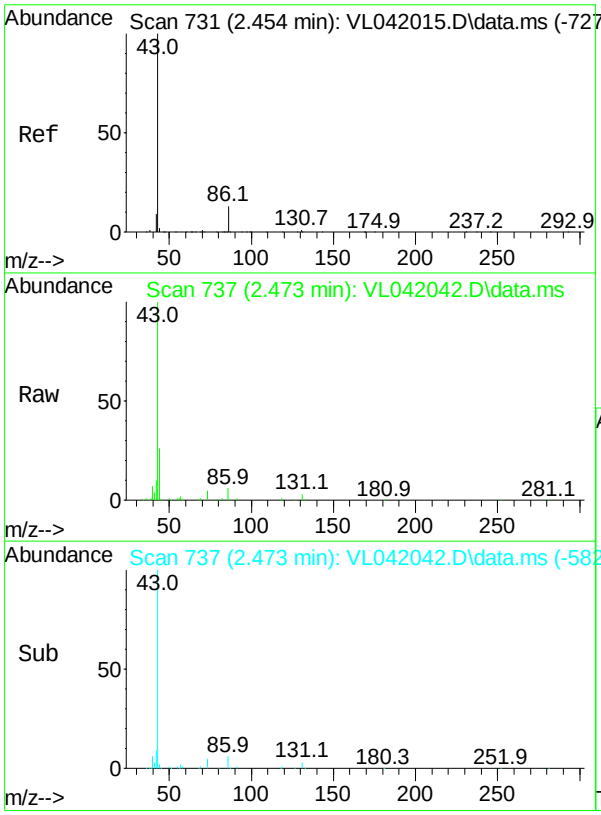


#22
trans-1,2-Dichloroethene
Concen: 1.283 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 14475

Ion	Ratio	Lower	Upper
96	100		
61	145.8	142.3	213.5
98	54.9	50.2	75.2

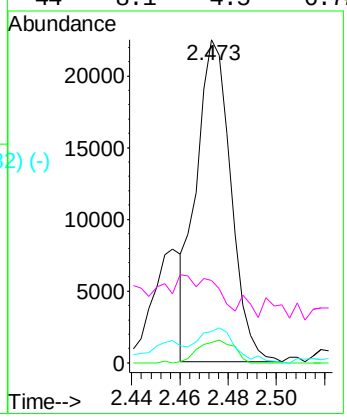


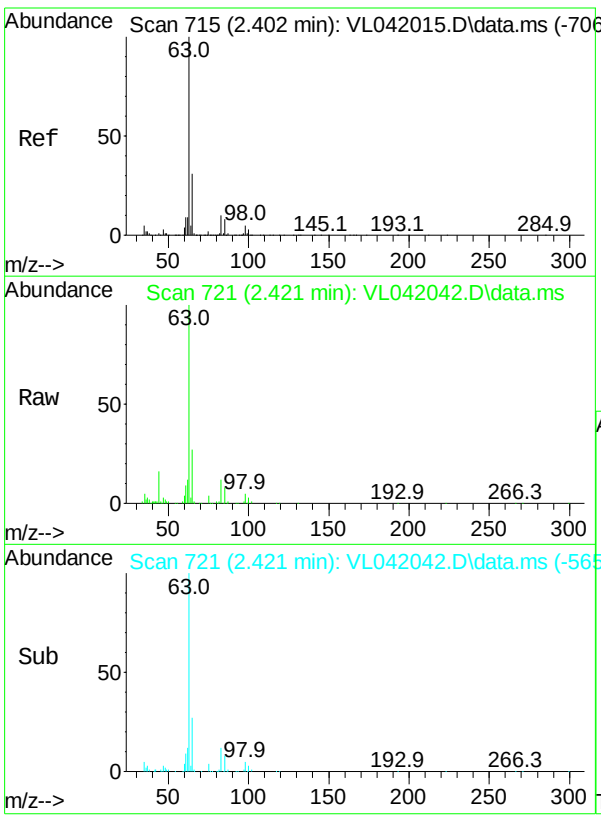


#23
Vinyl Acetate
Concen: 1.556 ppbv
RT: 2.473 min Scan# 721
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 22394

Ion	Ratio	Lower	Upper
43	100		
86	6.3	8.1	12.1#
42	9.4	7.5	11.3
44	8.1	4.5	6.7#

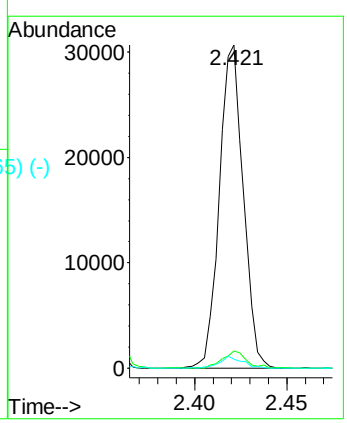




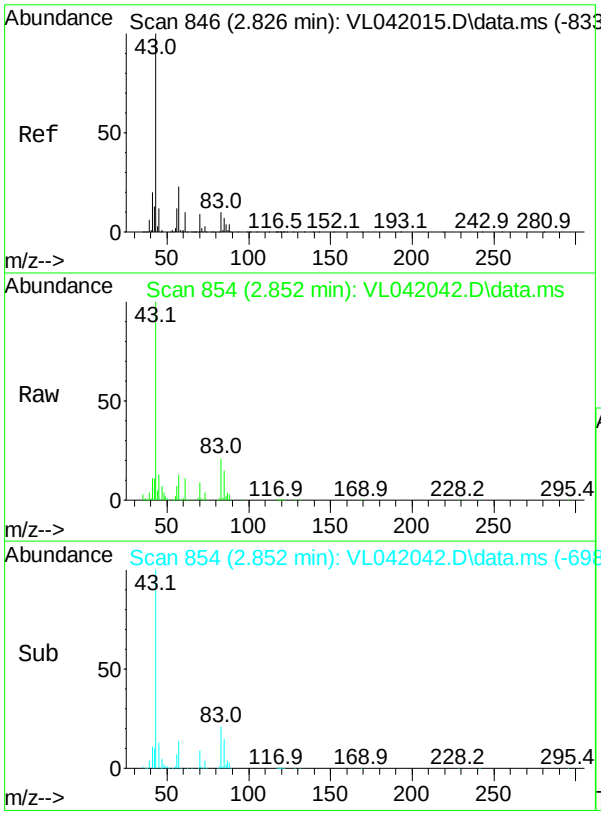
#24
1,1-Dichloroethane
Concen: 1.214 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 63 Resp: 27804

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.4	7.2
100	2.7	1.6	4.8



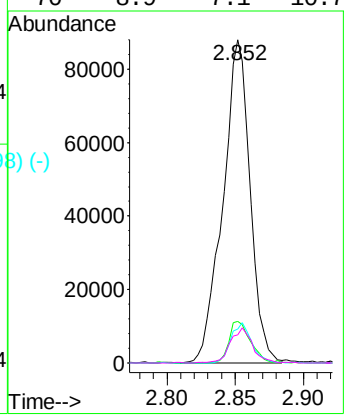
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

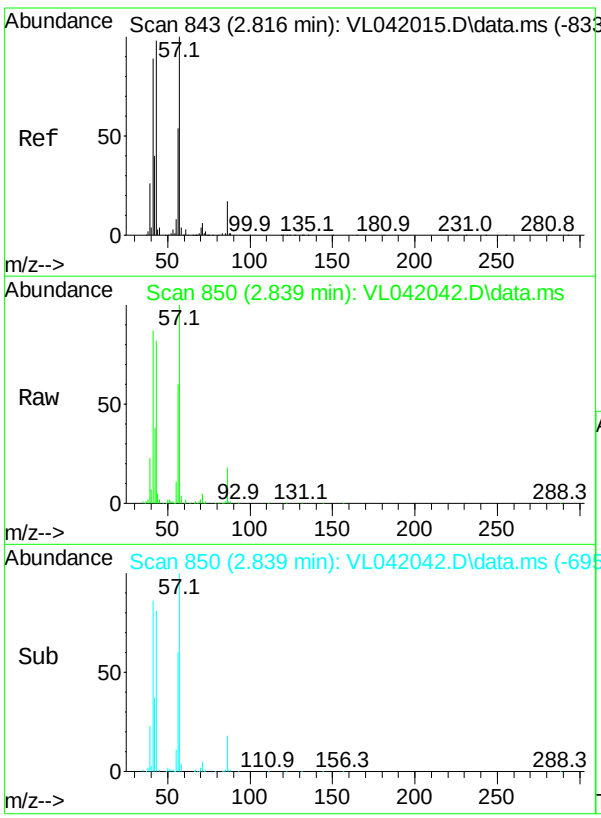


#25
Ethyl Acetate
Concen: 1.667 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 121593

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.6	7.5	11.3
70	8.9	7.1	10.7

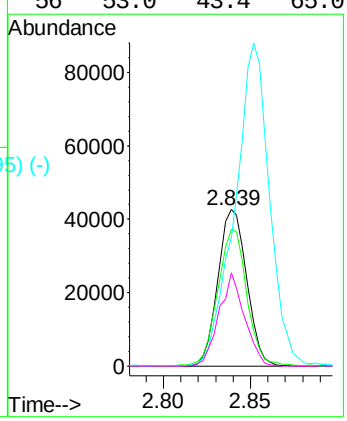




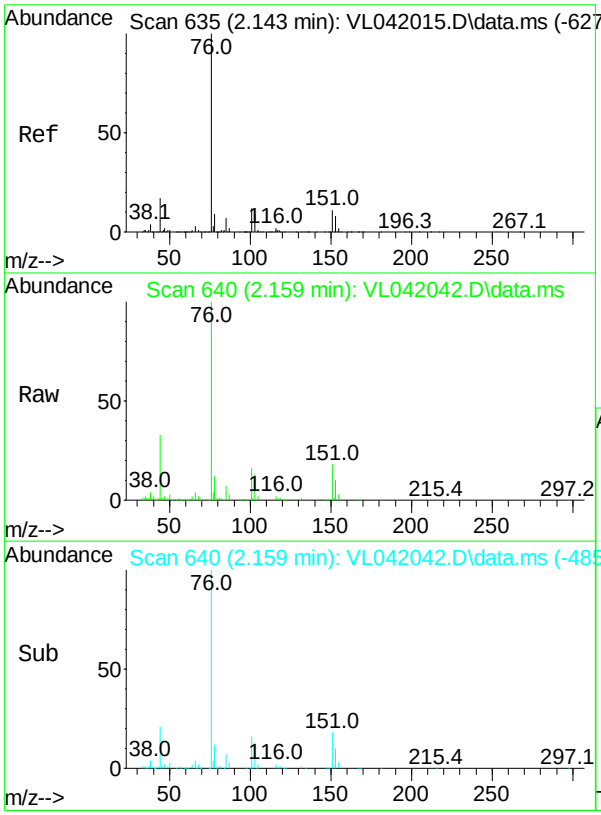
#26
Hexane
Concen: 1.671 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 48912

Ion	Ratio	Lower	Upper
57	100		
41	89.0	73.2	109.8
43	249.1	200.8	301.2
56	53.0	43.4	65.0



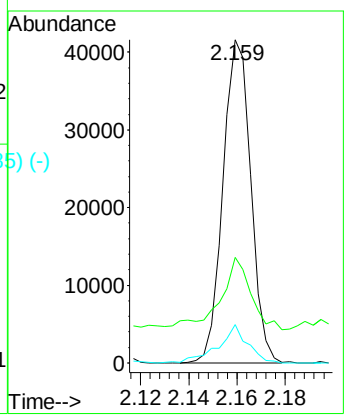
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

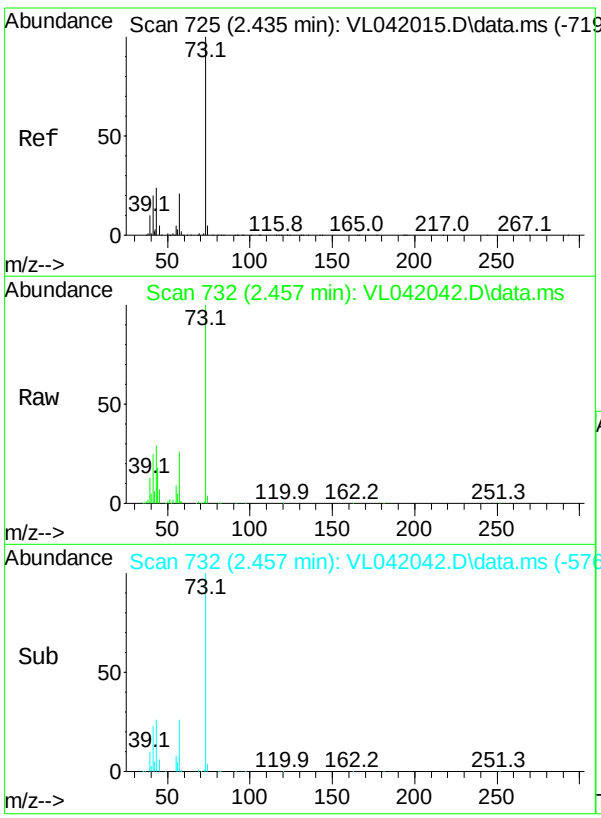


#27
Carbon Disulfide
Concen: 1.207 ppbv
RT: 2.159 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 76 Resp: 33222

Ion	Ratio	Lower	Upper
76	100		
44	53.5	18.1	27.1#
78	12.5	9.5	14.3

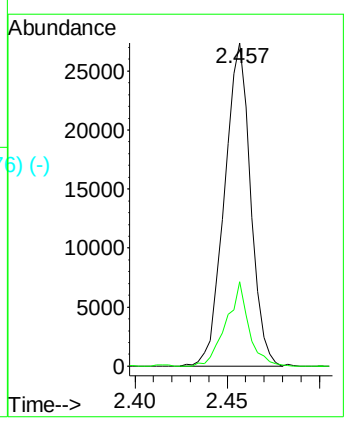




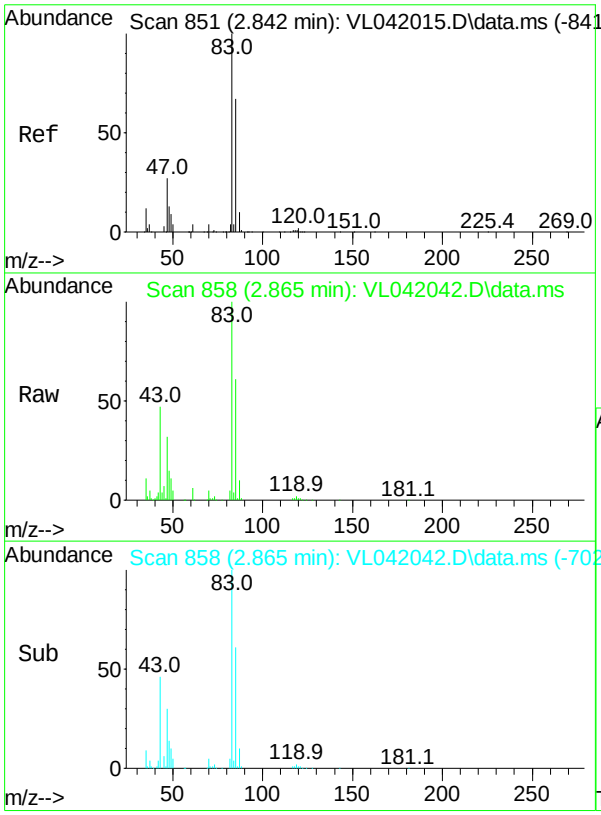
#28
Methyl tert-Butyl Ether
Concen: 1.507 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 73 Resp: 26968

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

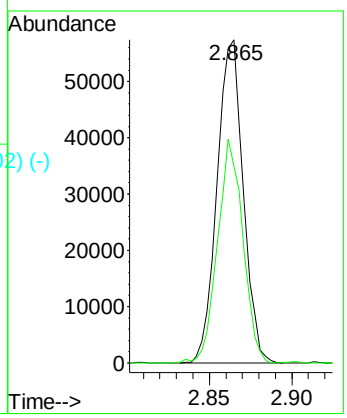


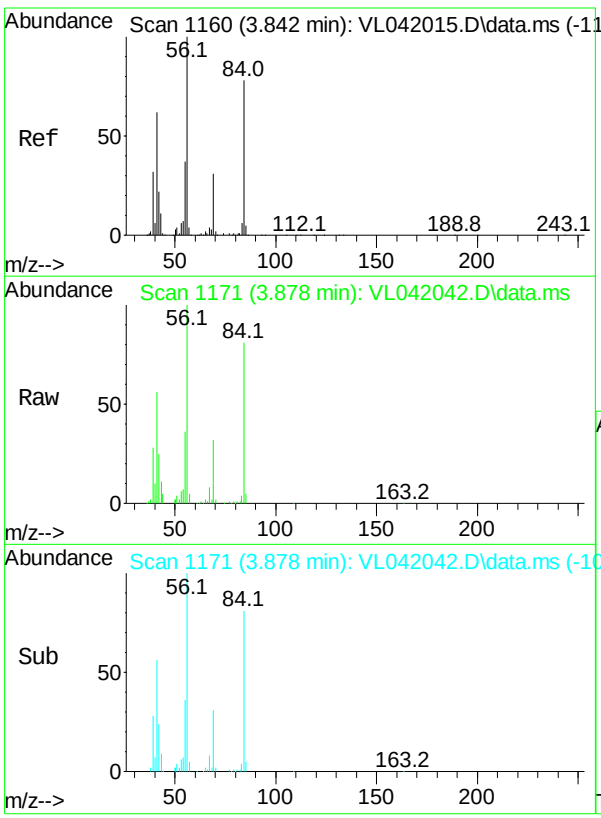
#29
Chloroform
Concen: 1.497 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 63463

Ion	Ratio	Lower	Upper
83	100		
85	60.8	53.8	80.6

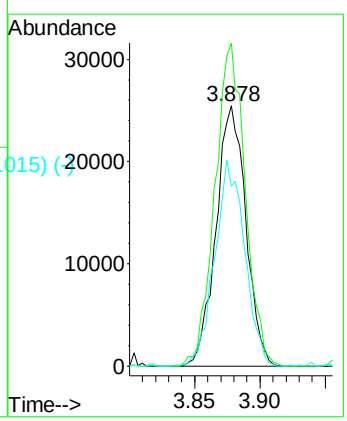


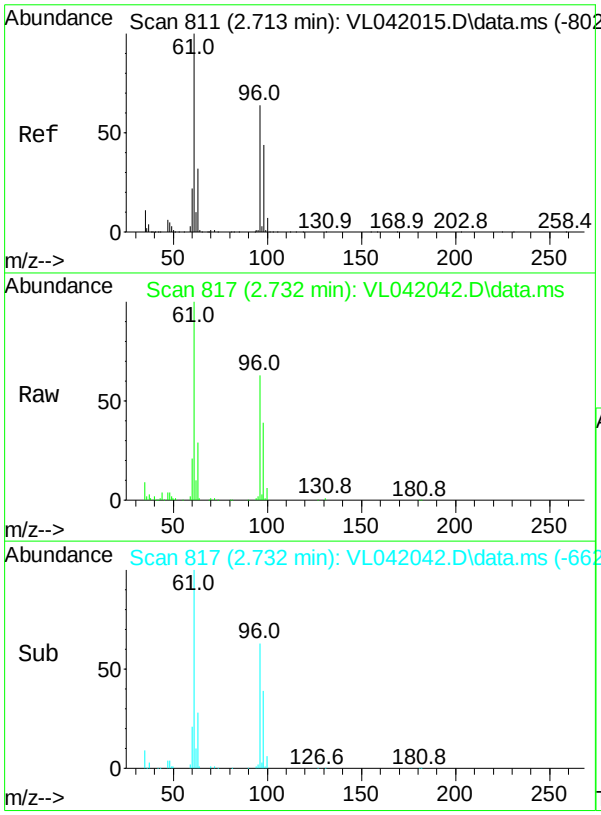


#30
Cyclohexane
Concen: 1.702 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 84 Resp: 40420

Ion	Ratio	Lower	Upper
84	100		
56	125.8	99.5	149.3
41	79.4	62.2	93.2



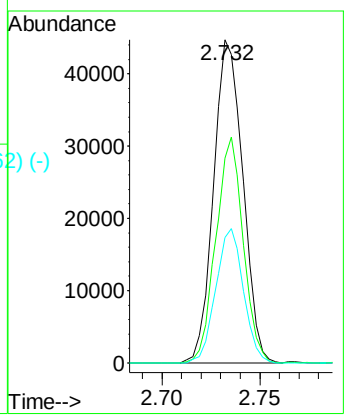


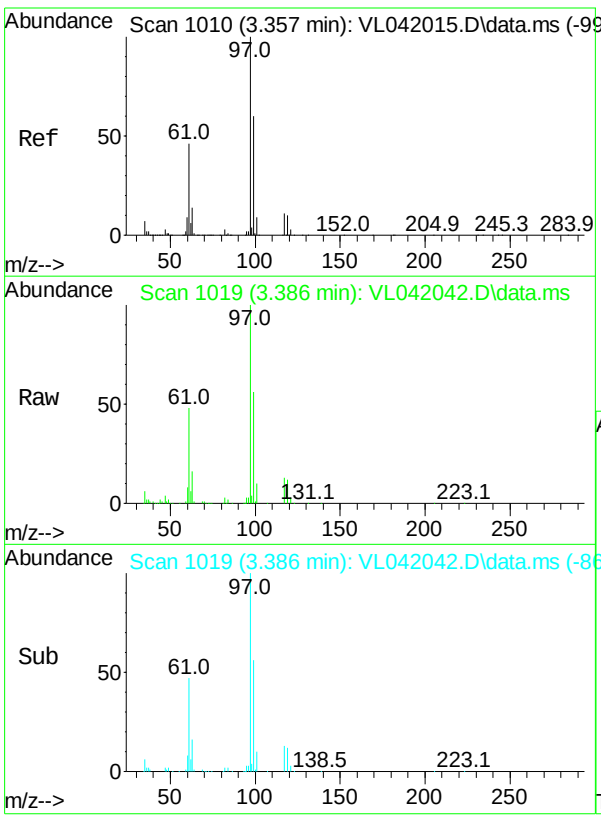
#31
cis-1,2-Dichloroethene
Concen: 1.614 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 46690

Ion	Ratio	Lower	Upper
61	100		
96	63.4	51.6	77.4
98	38.9	34.8	52.2

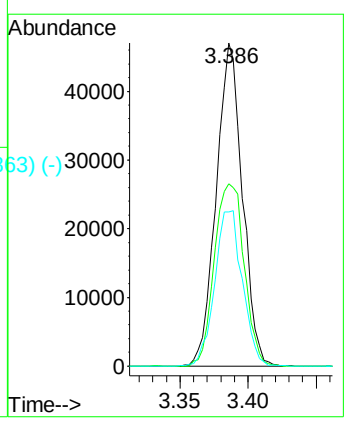


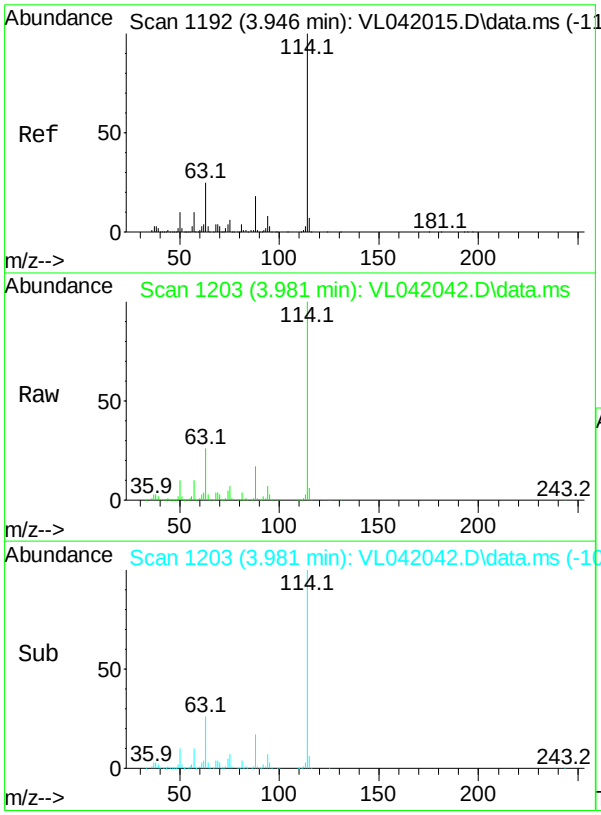


#32
1,1,1-Trichloroethane
Concen: 1.331 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 97 Resp: 62586

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	50.9	37.9	56.9

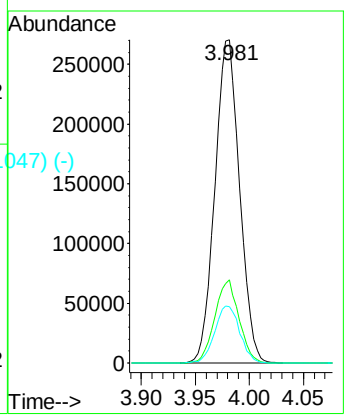




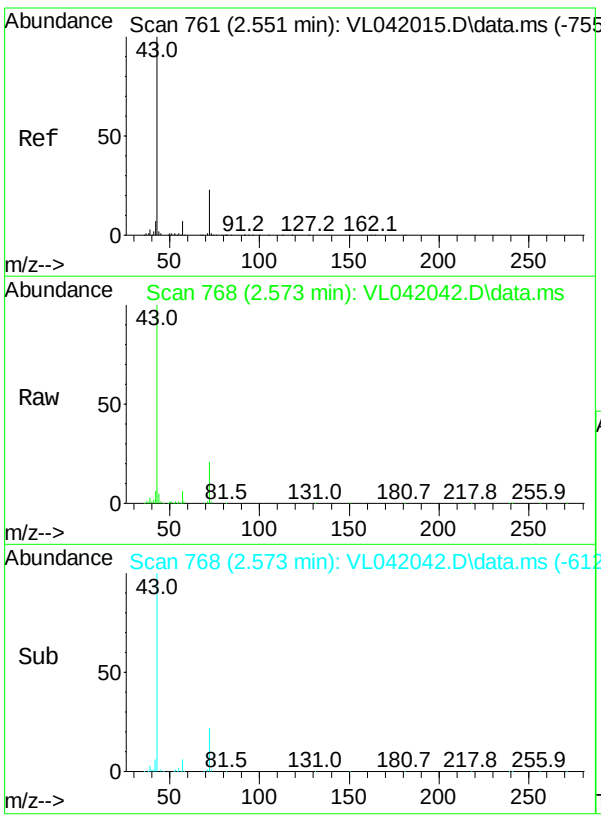
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:114 Resp: 427051

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.8	14.4	21.6



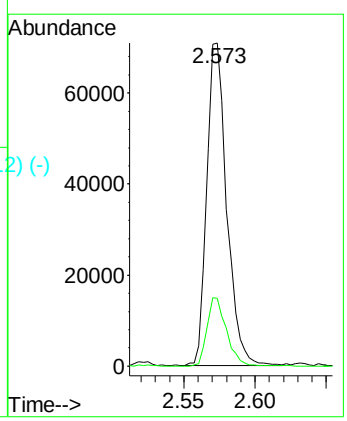
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

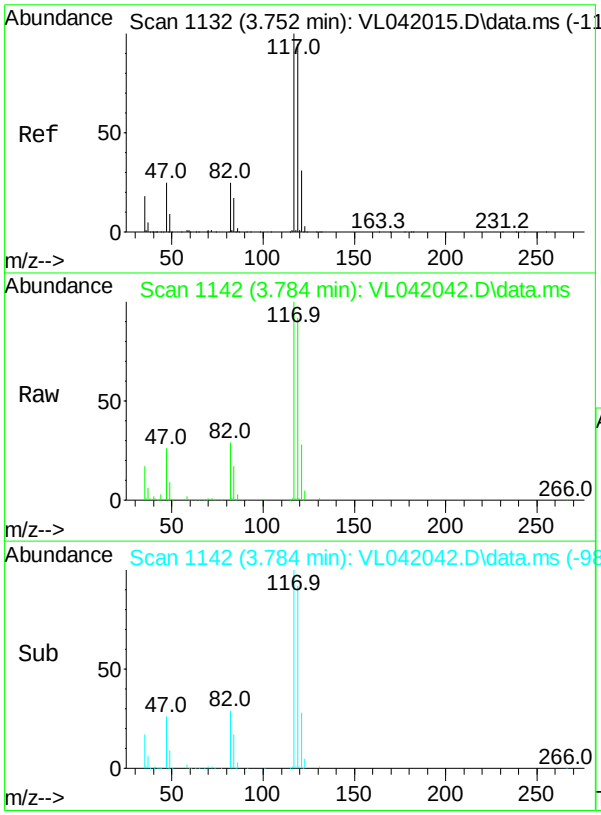


#34
2-Butanone
Concen: 1.888 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 69370

Ion	Ratio	Lower	Upper
43	100		
72	20.7	18.3	27.5



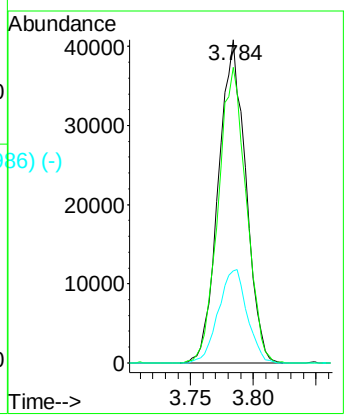


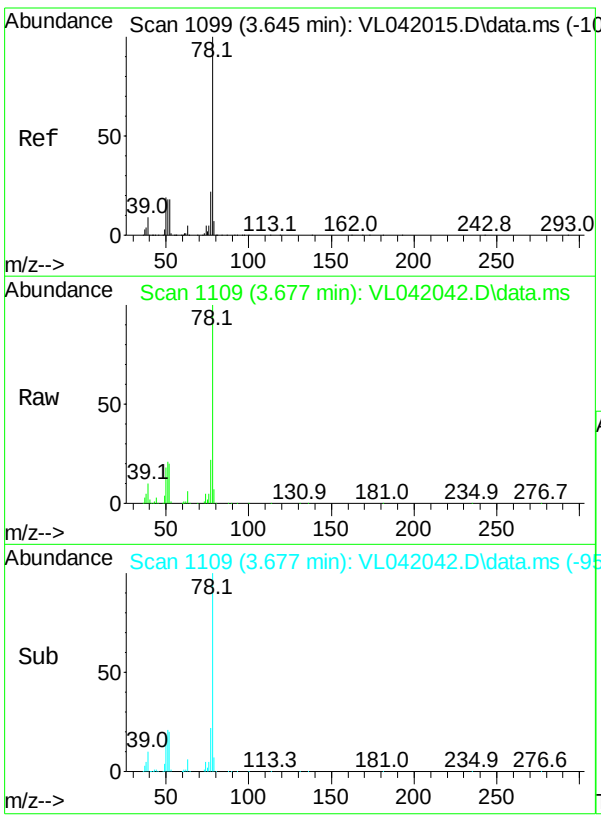
#85
Carbon Tetrachloride
Concen: 1.493 ppbv
RT: 3.784 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 61895

Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.8	113.6
121	28.5	24.6	36.8

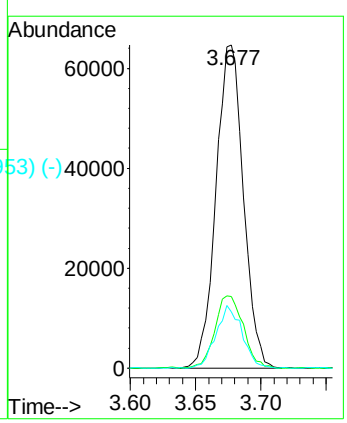


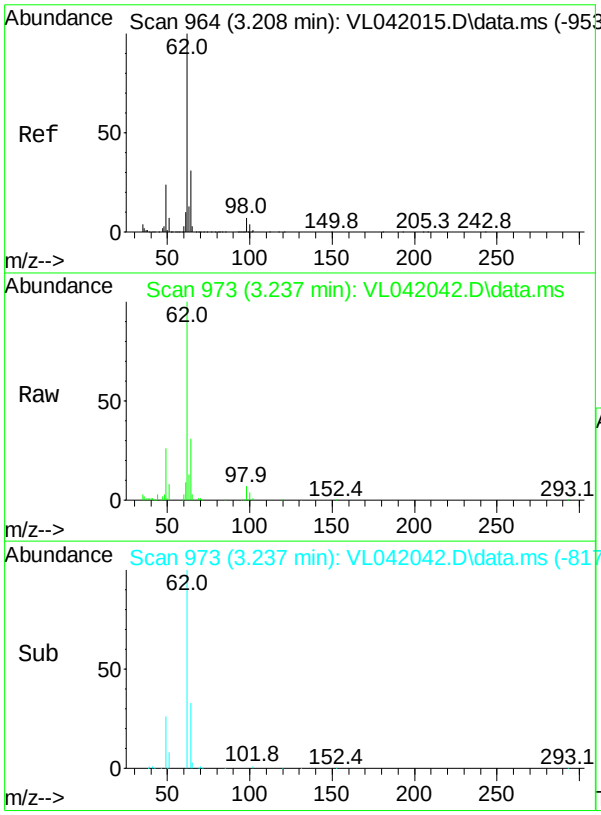


#86
Benzene
Concen: 1.822 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 78 Resp: 94277

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	17.4	15.2	22.8

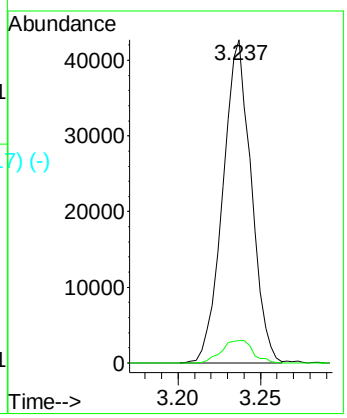


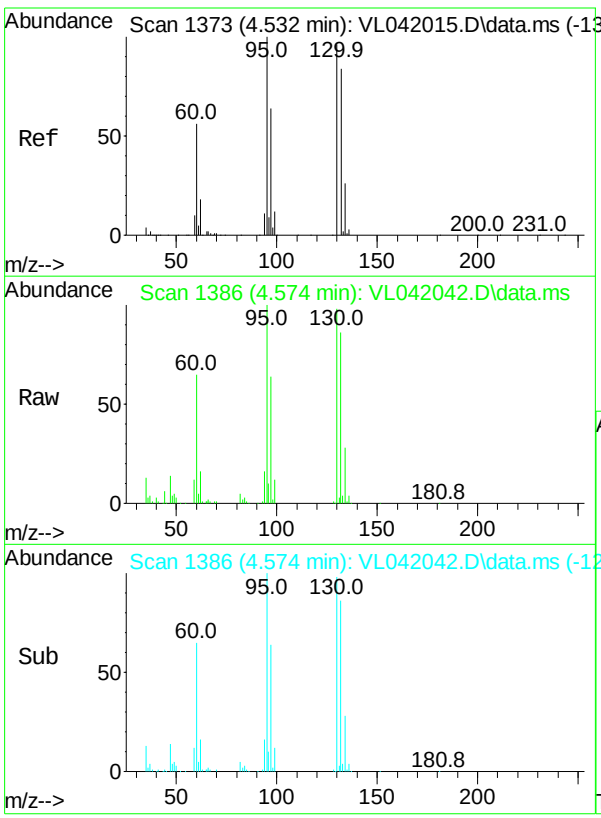


#37
1,2-Dichloroethane
Concen: 1.734 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 62 Resp: 51050

Ion	Ratio	Lower	Upper
62	100		
98	7.6	5.7	8.5

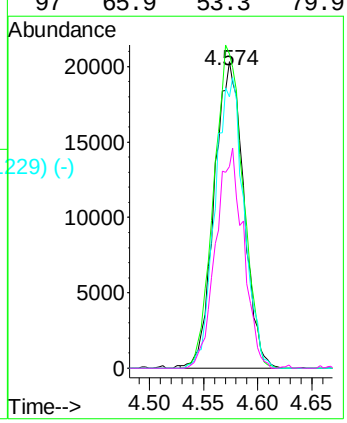




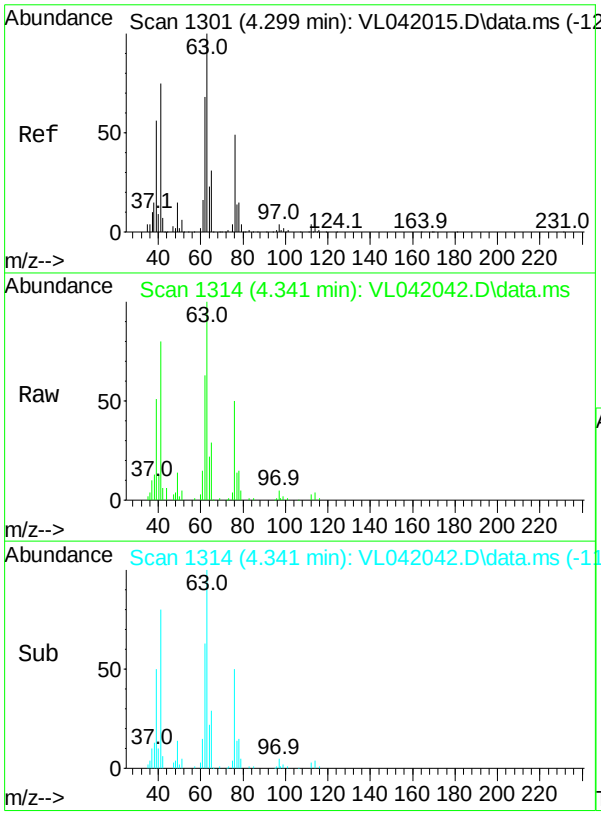
#38
Trichloroethene
Concen: 1.817 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:130 Resp: 38184

Ion	Ratio	Lower	Upper
130	100		
95	102.6	82.8	124.2
132	88.7	70.0	105.0
97	65.9	53.3	79.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

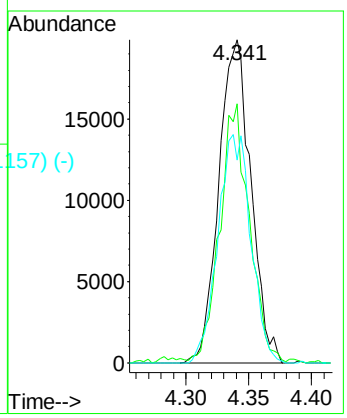


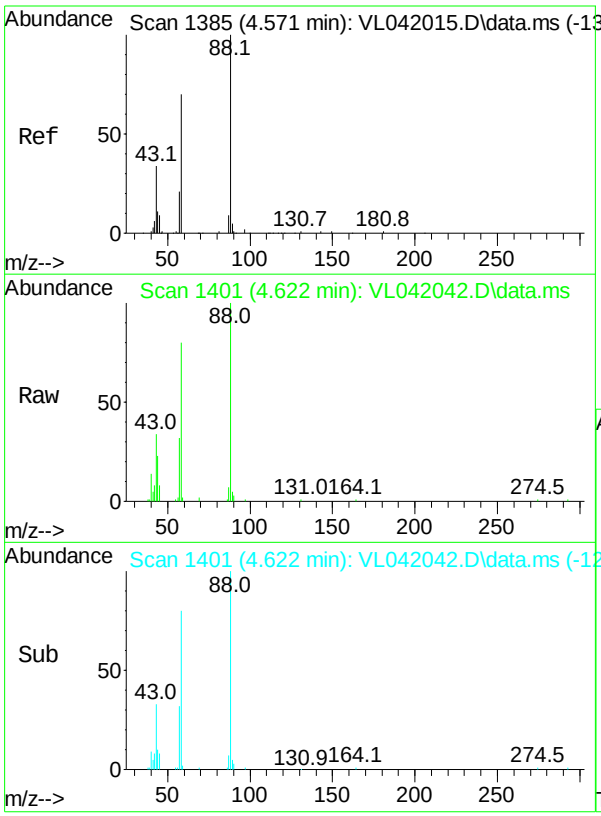
#39
1,2-Dichloropropane
Concen: 1.866 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 35396

Ion	Ratio	Lower	Upper
63	100		
41	79.2	60.1	90.1
62	62.8	54.0	81.0

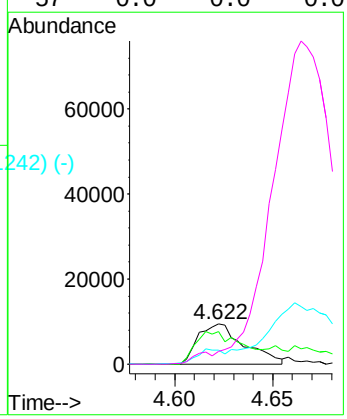


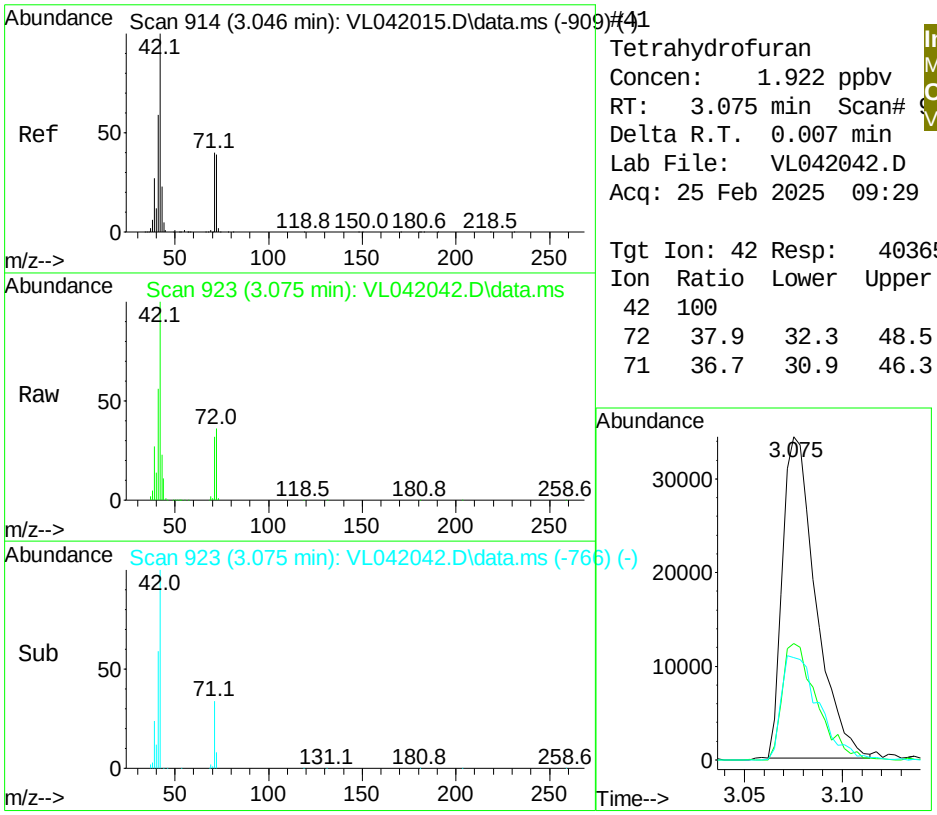


#40
1,4-Dioxane
Concen: 1.565 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 88 Resp: 15442

Ion	Ratio	Lower	Upper
88	100		
58	138.2	58.1	87.1#
43	0.0	27.3	40.9#
57	0.0	0.0	0.0



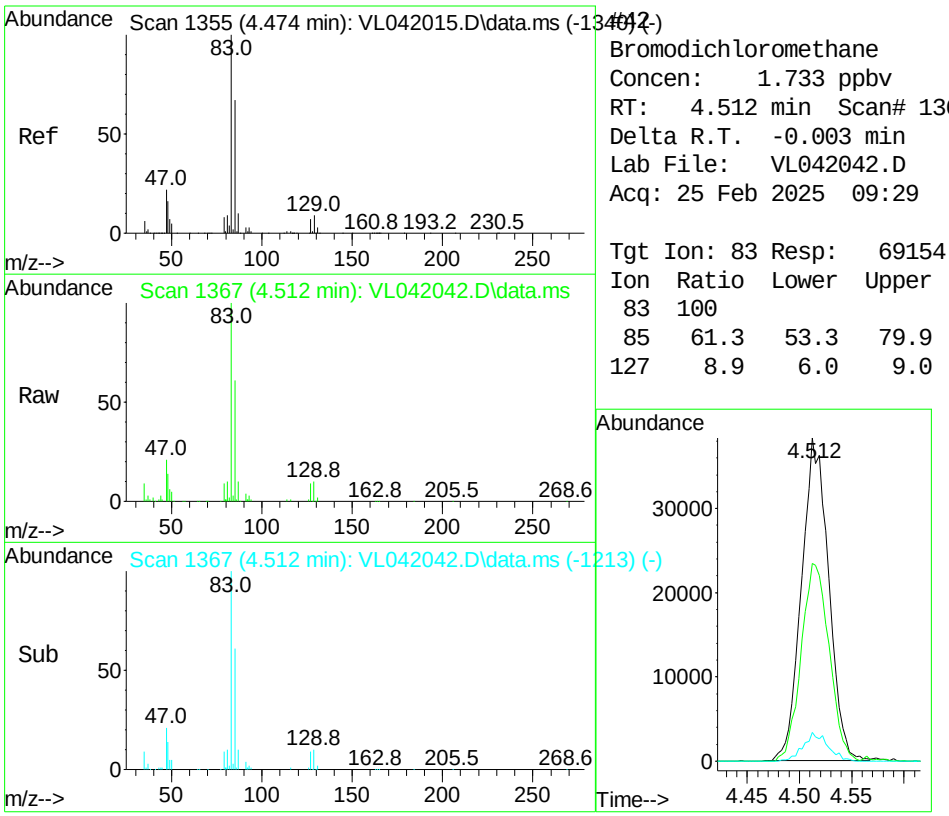


#41
Tetrahydrofuran
Concen: 1.922 ppbv
RT: 3.075 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 42 Resp: 40365

Ion	Ratio	Lower	Upper
42	100		
72	37.9	32.3	48.5
71	36.7	30.9	46.3

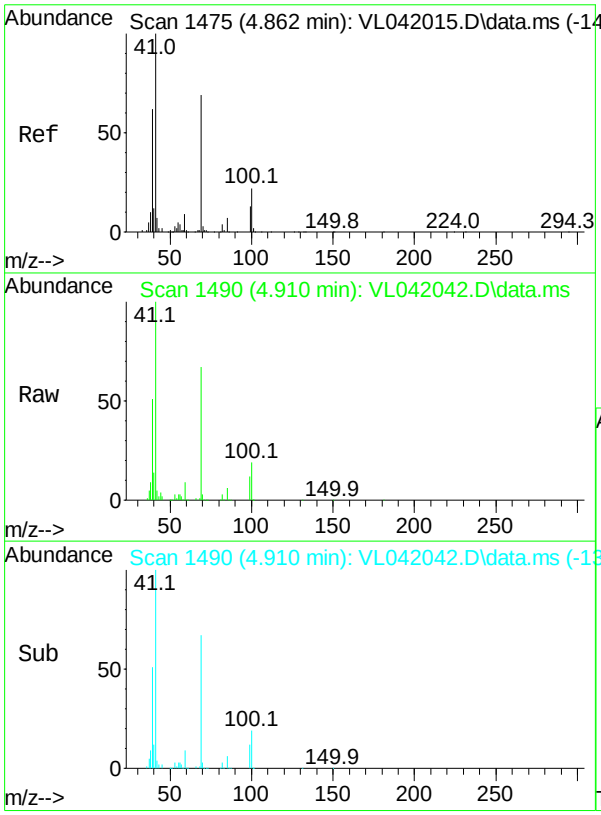
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



#42
Bromodichloromethane
Concen: 1.733 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 83 Resp: 69154

Ion	Ratio	Lower	Upper
83	100		
85	61.3	53.3	79.9
127	8.9	6.0	9.0

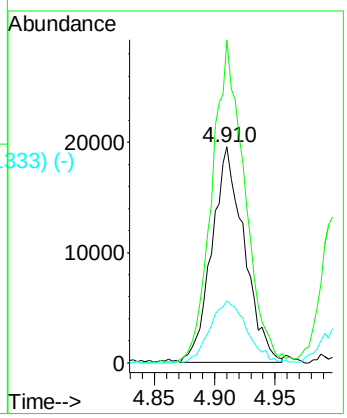


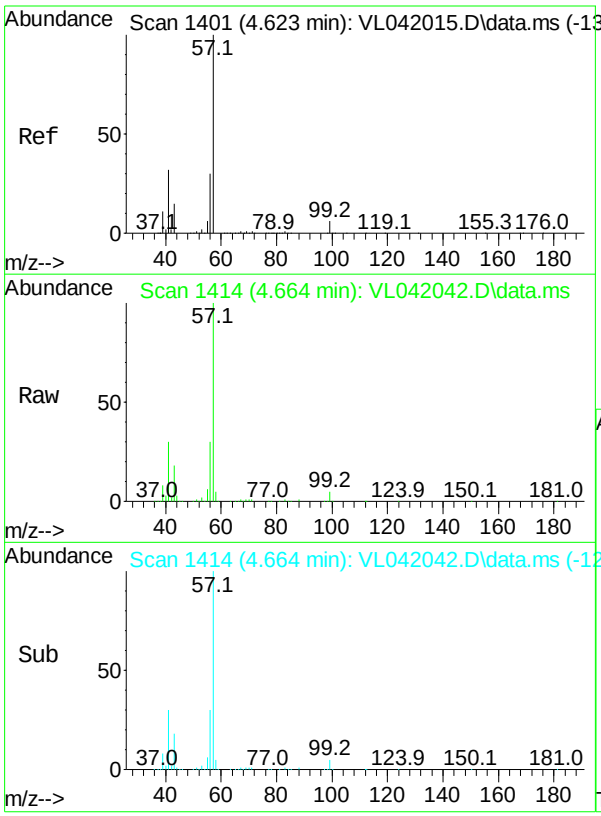
#43
Methyl Methacrylate
Concen: 1.543 ppbv
RT: 4.910 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 36393

Ion	Ratio	Lower	Upper
69	100		
41	151.7	114.9	172.3
100	33.0	28.8	43.2

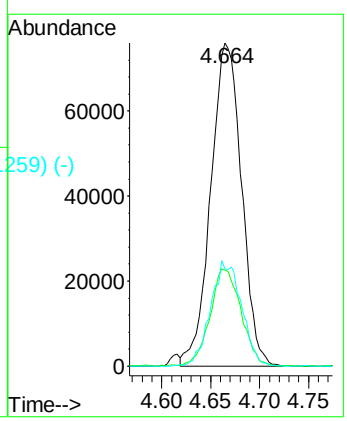


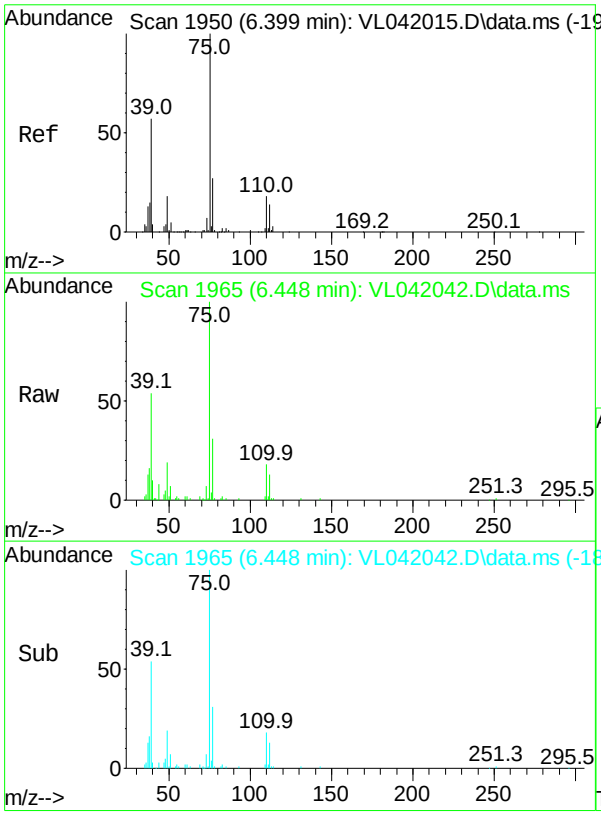


#44
2,2,4-Trimethylpentane
Concen: 1.901 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 166945

Ion	Ratio	Lower	Upper
57	100		
41	30.6	25.9	38.9
56	32.5	24.9	37.3



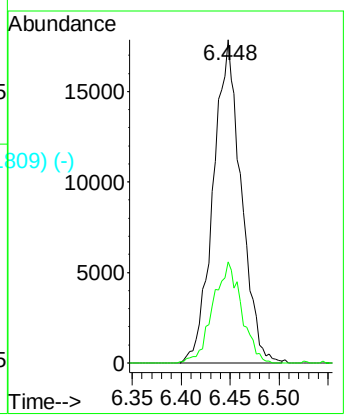


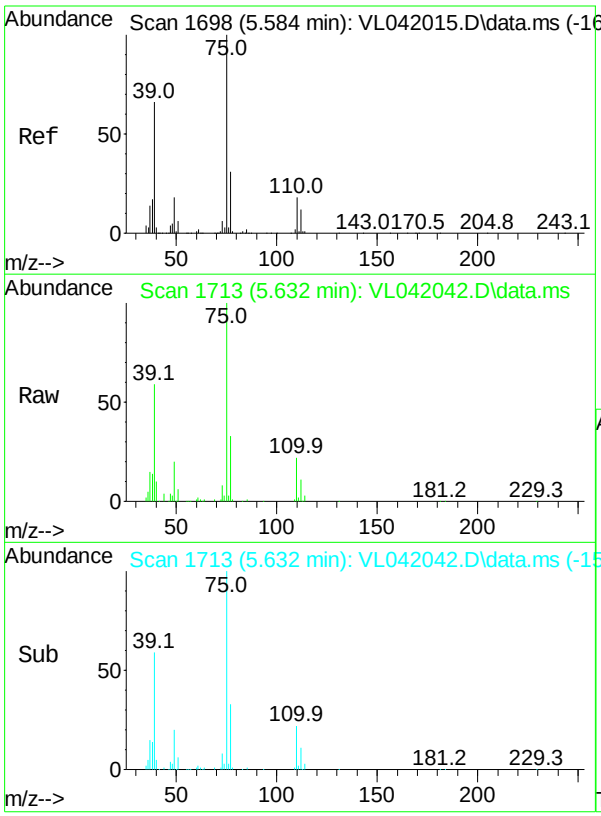
#45
t-1,3-Dichloropropene
Concen: 1.604 ppbv
RT: 6.448 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 35707

Ion	Ratio	Lower	Upper
75	100		
77	31.3	22.1	33.1

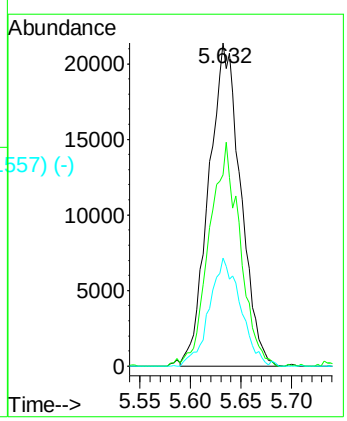


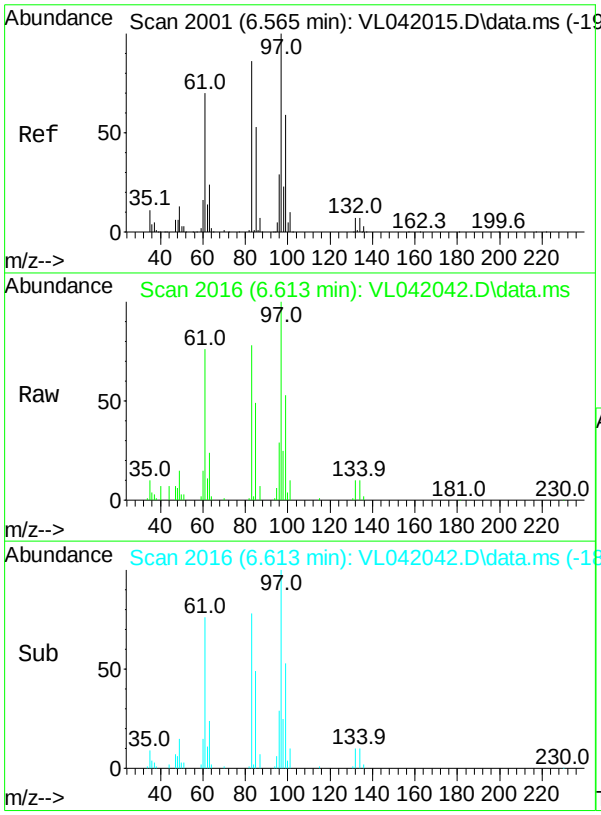


#46
cis-1,3-Dichloropropene
Concen: 1.658 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 75 Resp: 46835

Ion	Ratio	Lower	Upper
75	100		
39	59.1	52.2	78.4
77	33.4	24.5	36.7



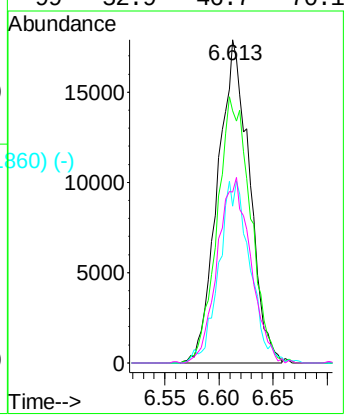


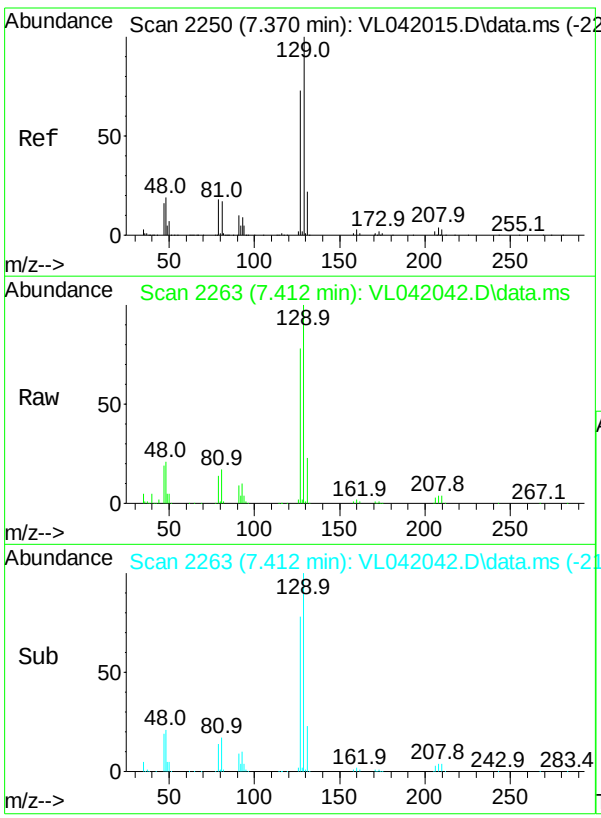
#47
1,1,2-Trichloroethane
Concen: 1.822 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 36368

Ion	Ratio	Lower	Upper
97	100		
83	78.1	68.6	102.8
85	48.5	42.2	63.4
99	52.9	46.7	70.1

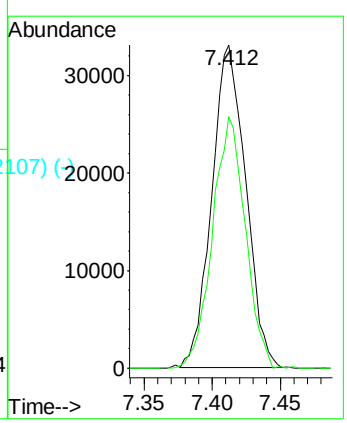


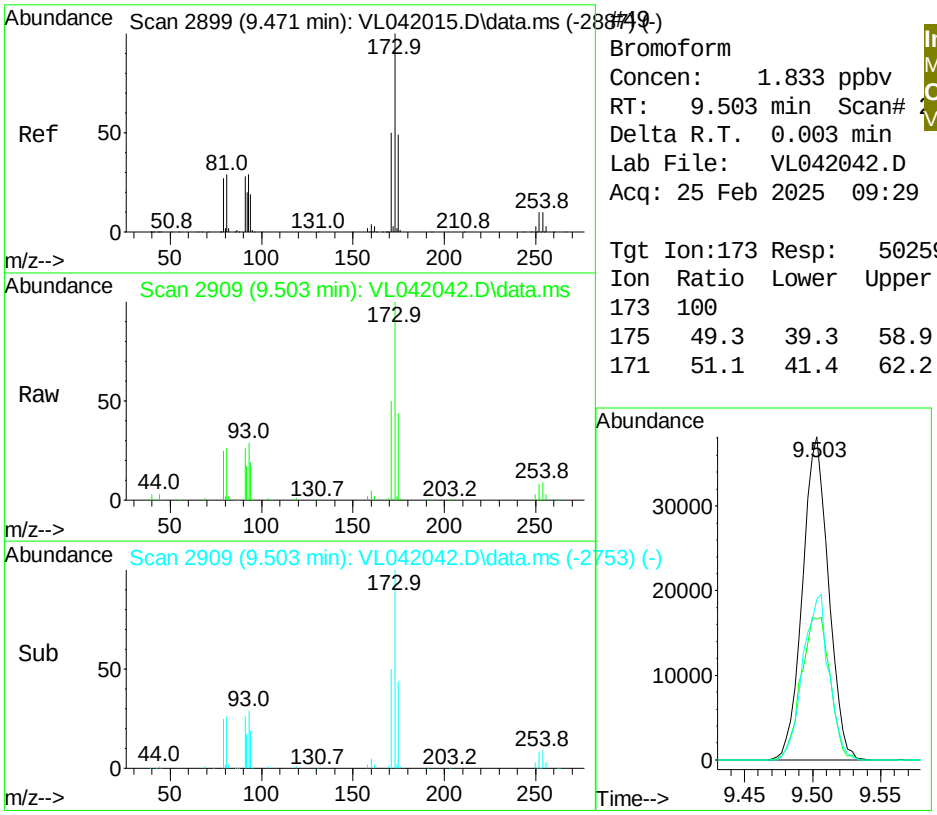


#48
Dibromochloromethane
Concen: 1.703 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:129 Resp: 56931

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.2	114.6



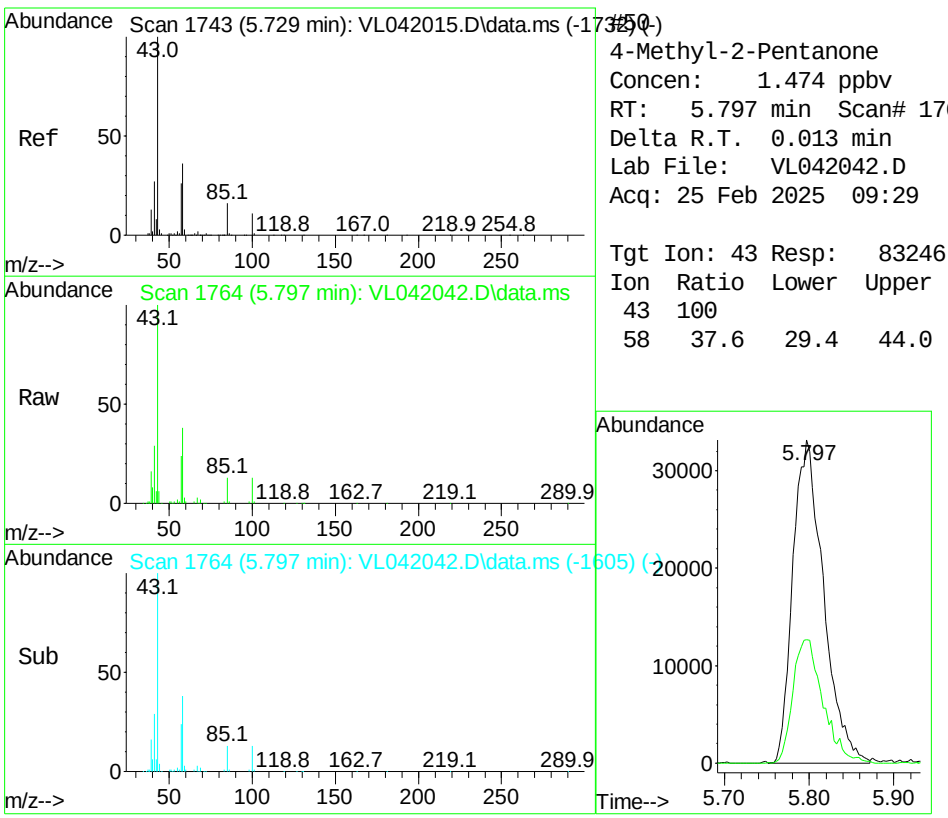


#49
Bromoform
Concen: 1.833 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:173 Resp: 50259

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.3	58.9
171	51.1	41.4	62.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

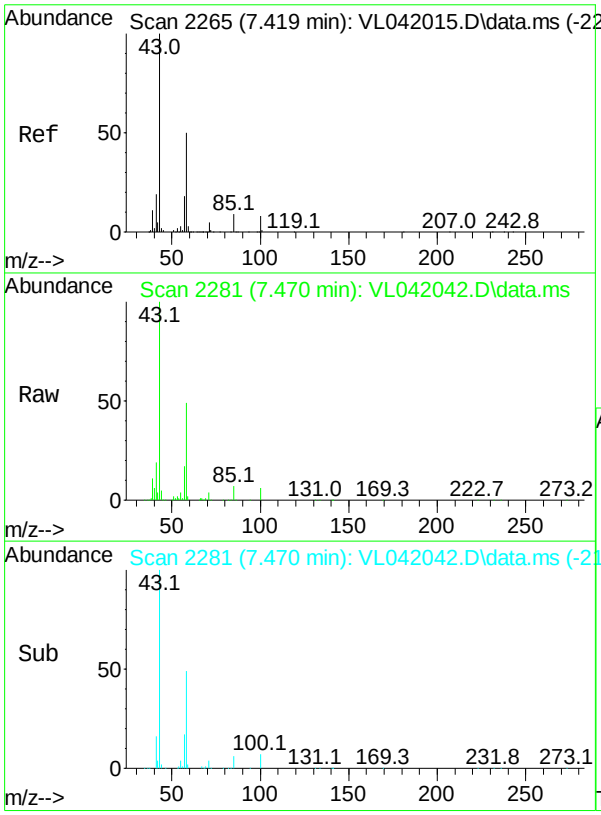


#50
4-Methyl-2-Pentanone
Concen: 1.474 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 83246

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

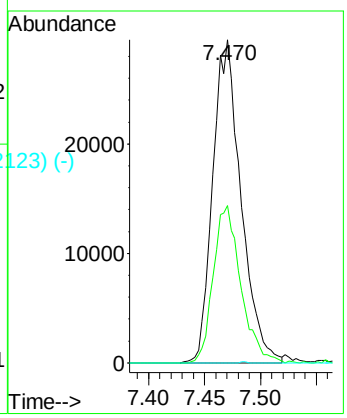
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

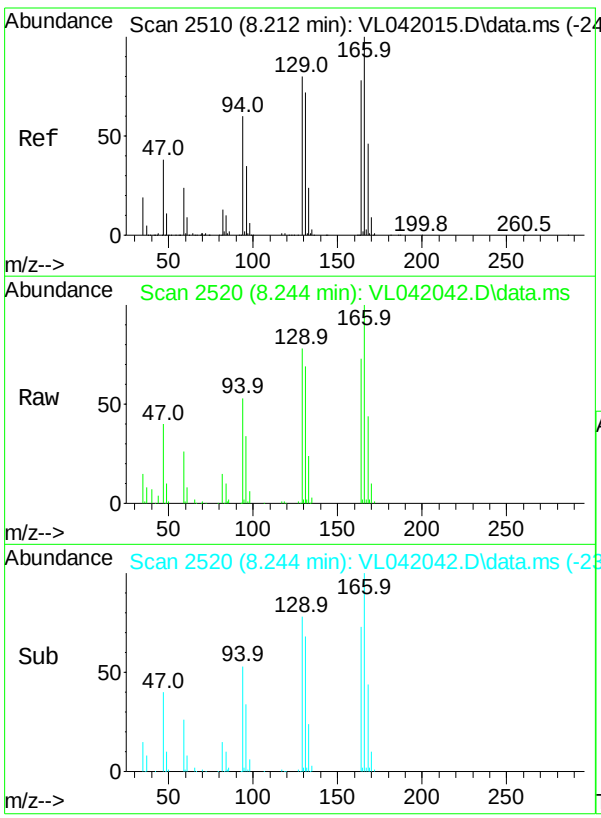


#51
2-Hexanone
Concen: 1.124 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 51926

Ion	Ratio	Lower	Upper
43	100		
58	47.5	41.4	62.0
98	0.0	0.0	0.0

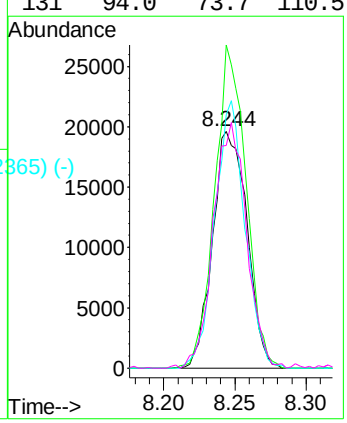


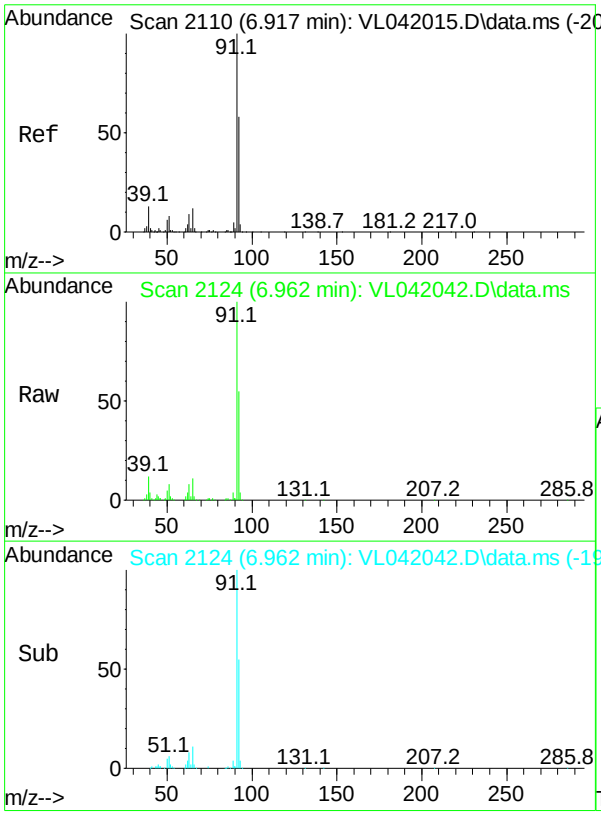


#52
Tetrachloroethene
Concen: 1.822 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:164 Resp: 32874

Ion	Ratio	Lower	Upper
164	100		
166	136.1	102.2	153.2
129	107.1	82.2	123.4
131	94.0	73.7	110.5



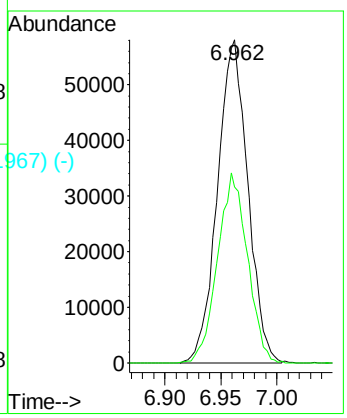


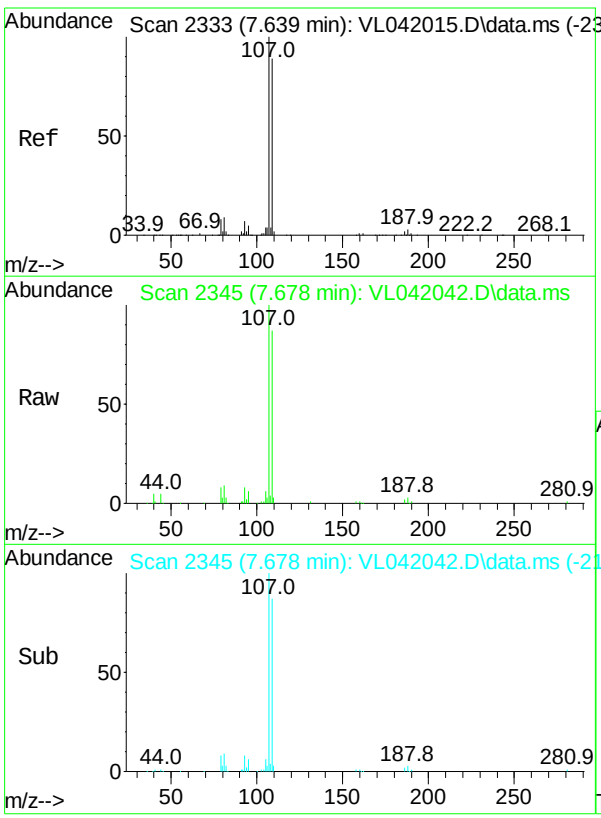
#53
Toluene
Concen: 1.779 ppbv
RT: 6.962 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 109646

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.5	71.3

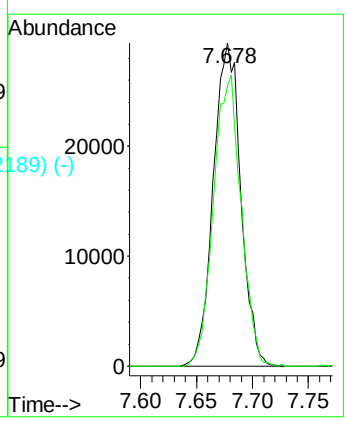


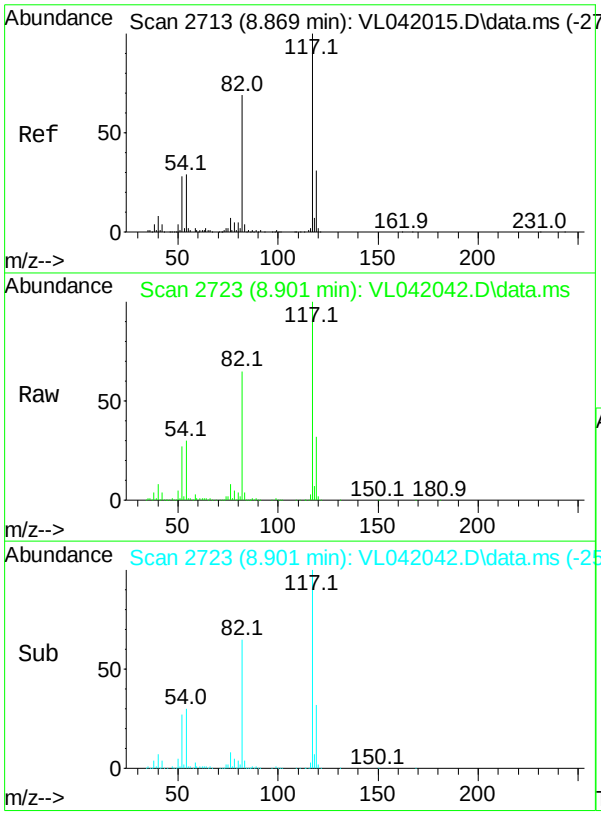


#54
1,2-Dibromoethane
Concen: 1.820 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:107 Resp: 50010

Ion	Ratio	Lower	Upper
107	100		
109	86.8	71.5	107.3



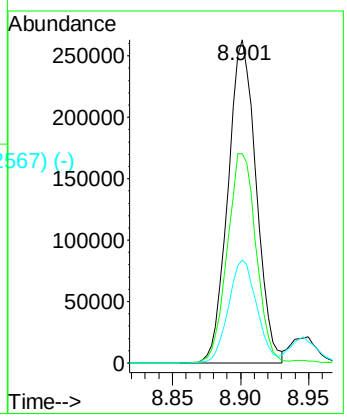


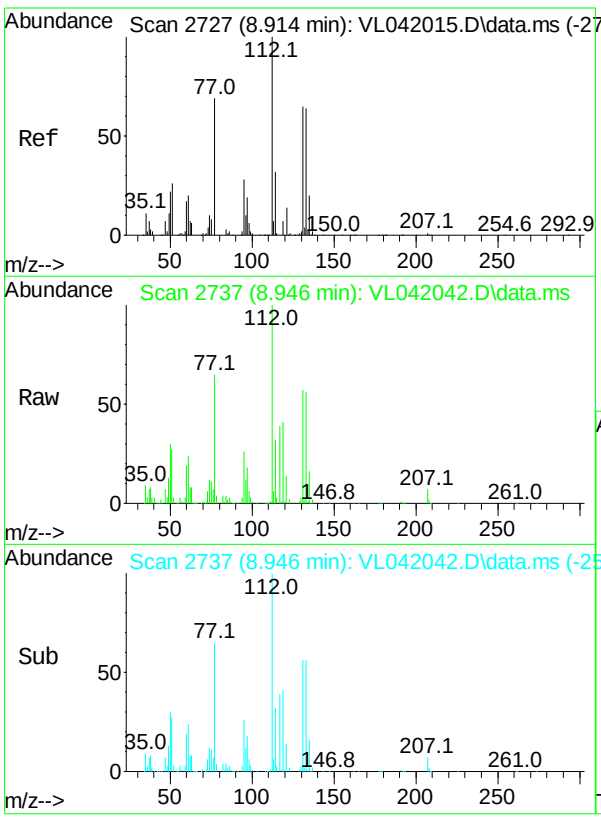
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 377910

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.7	83.5
119	32.4	25.2	37.8

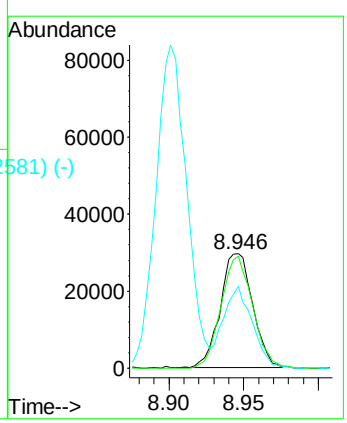


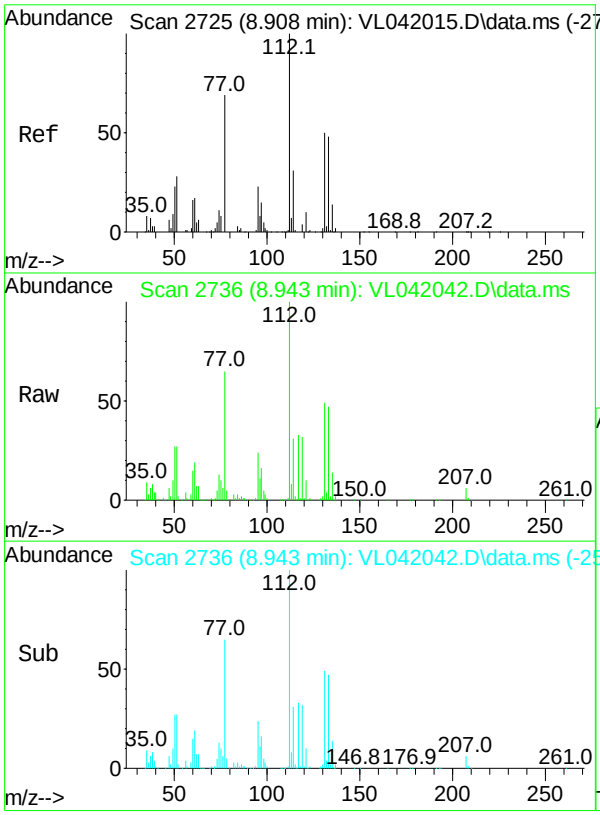


#56
1,1,1,2-Tetrachloroethane
Concen: 1.662 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:131 Resp: 44947

Ion	Ratio	Lower	Upper
131	100		
133	95.0	77.8	116.8
119	61.8	49.1	73.7

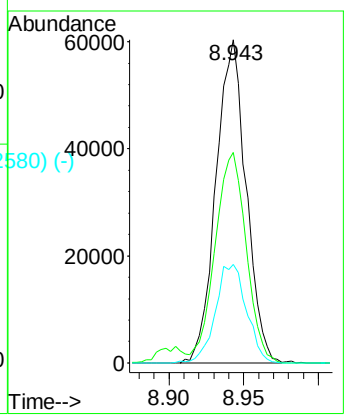


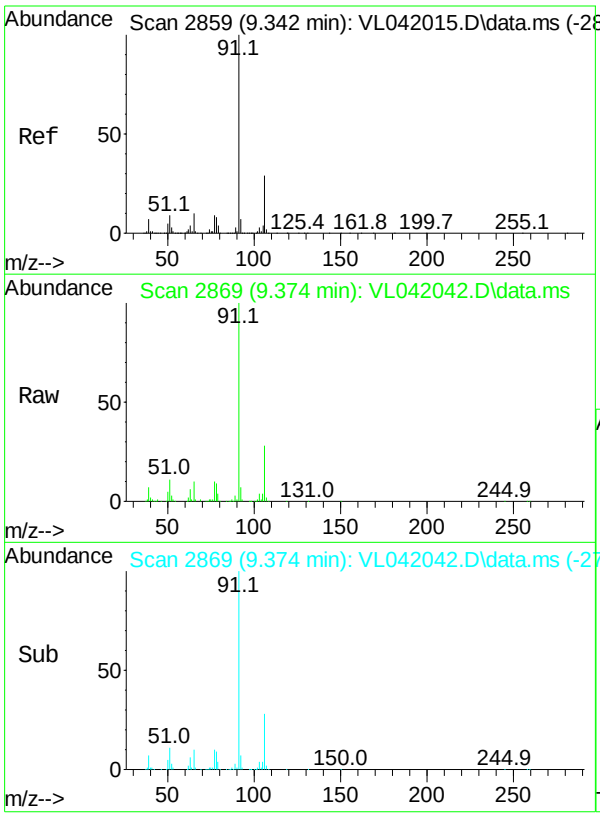


#57
Chlorobenzene
Concen: 1.906 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:112 Resp: 84749

Ion	Ratio	Lower	Upper
112	100		
77	65.2	56.2	84.2
114	30.6	28.2	34.4

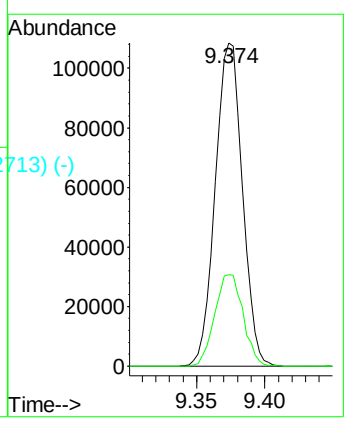




#58
Ethyl Benzene
Concen: 1.804 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

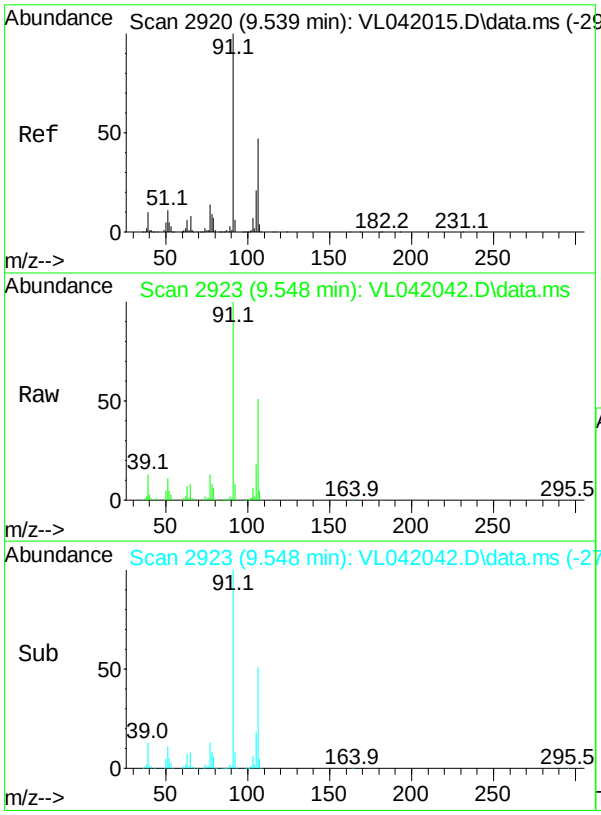
Tgt Ion: 91 Resp: 149185

Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

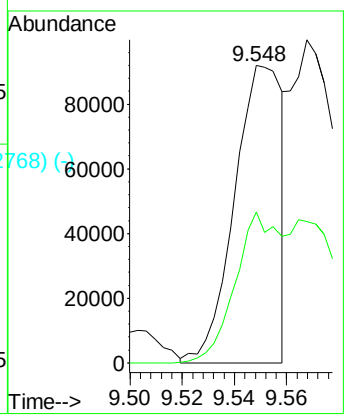
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

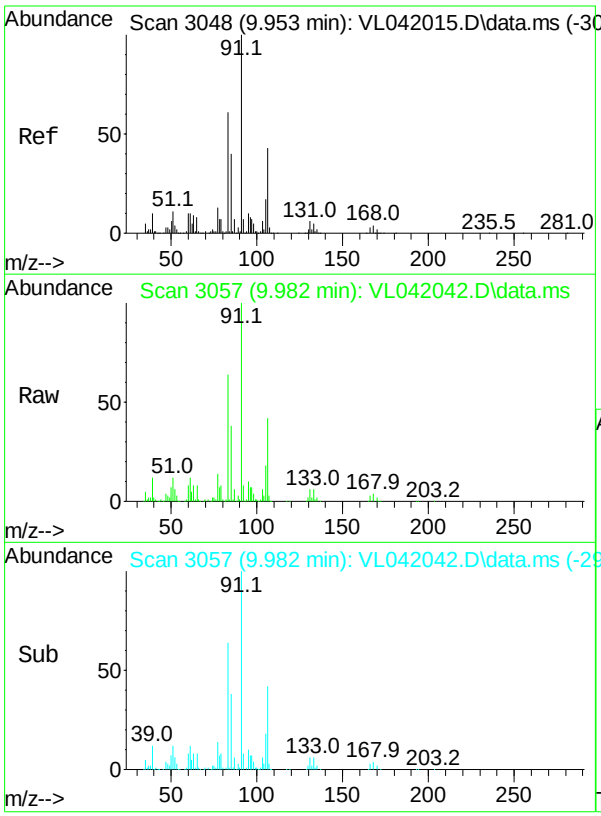


#59
m/p-Xylene
Concen: 1.773 ppbv
RT: 9.548 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 115500

Ion	Ratio	Lower	Upper
91	100		
106	97.3	35.8	53.8#

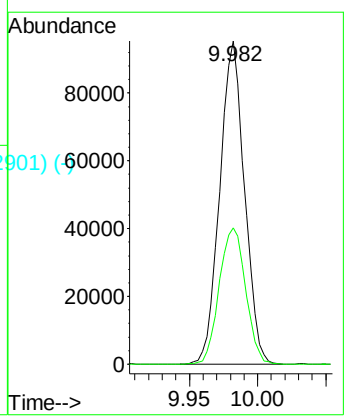


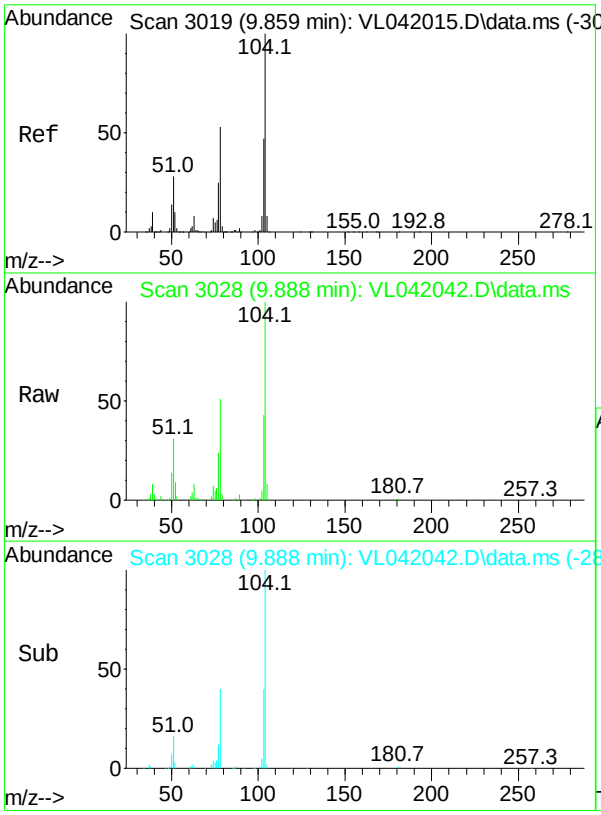


#60
o-Xylene
Concen: 1.809 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 119170

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.4	64.3

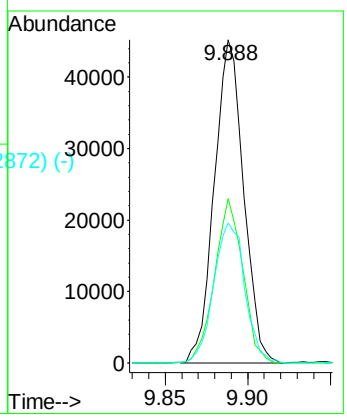


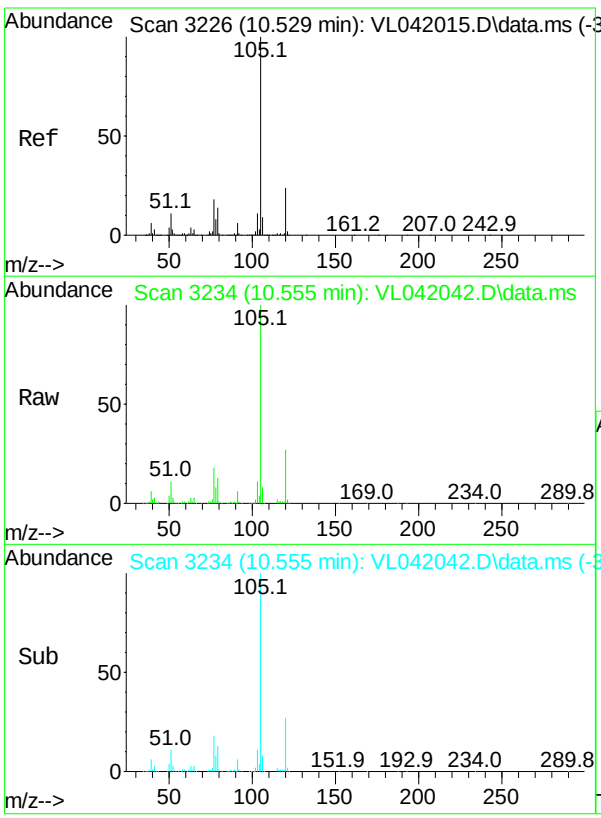


#61
Styrene
Concen: 1.776 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:104 Resp: 55798

Ion	Ratio	Lower	Upper
104	100		
78	49.1	42.2	63.4
103	46.2	38.1	57.1

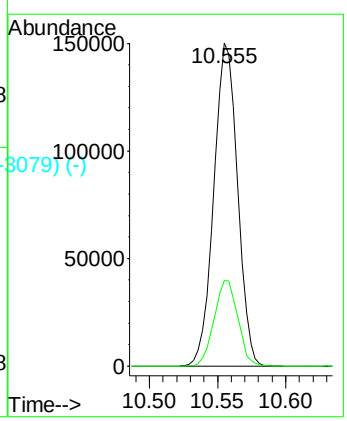




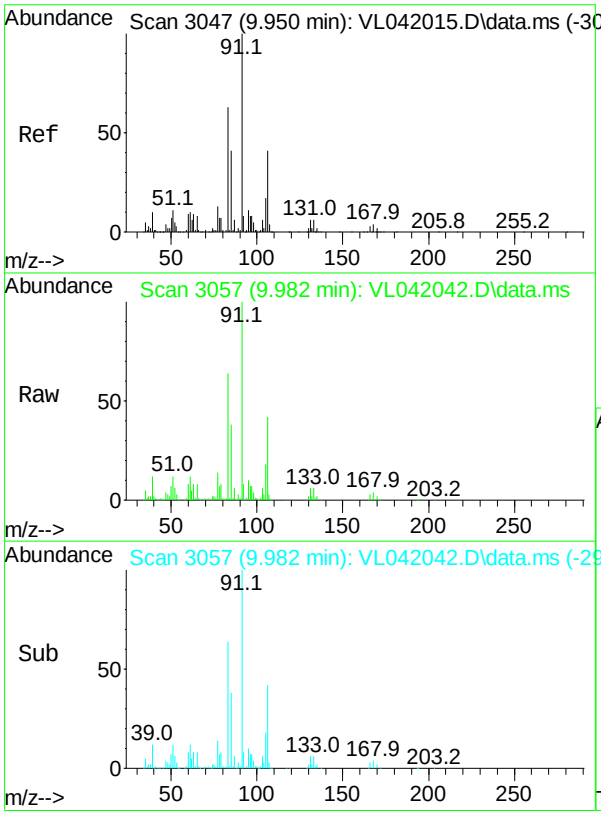
#62
Isopropylbenzene
Concen: 1.833 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 181311

Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.8	29.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

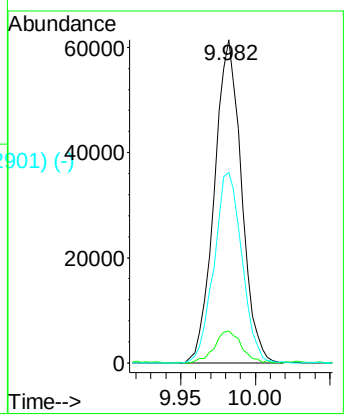


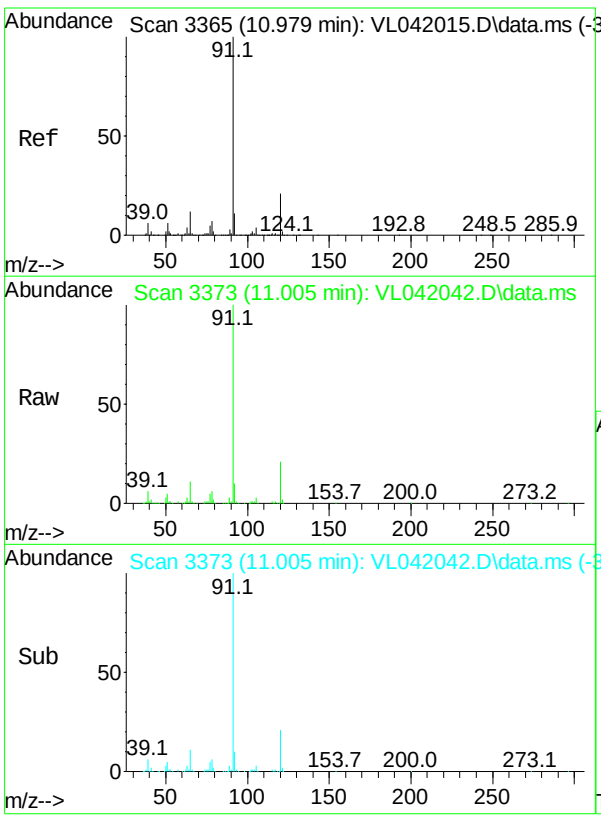
#63
1,1,2,2-Tetrachloroethan
Concen: 1.833 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 77911

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	60.6	32.1	96.3

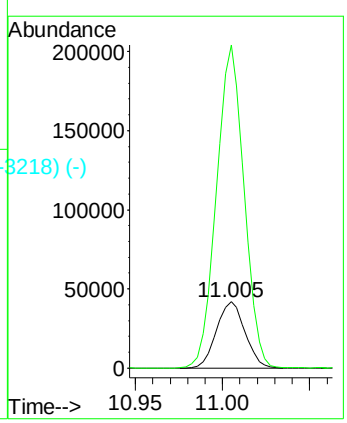


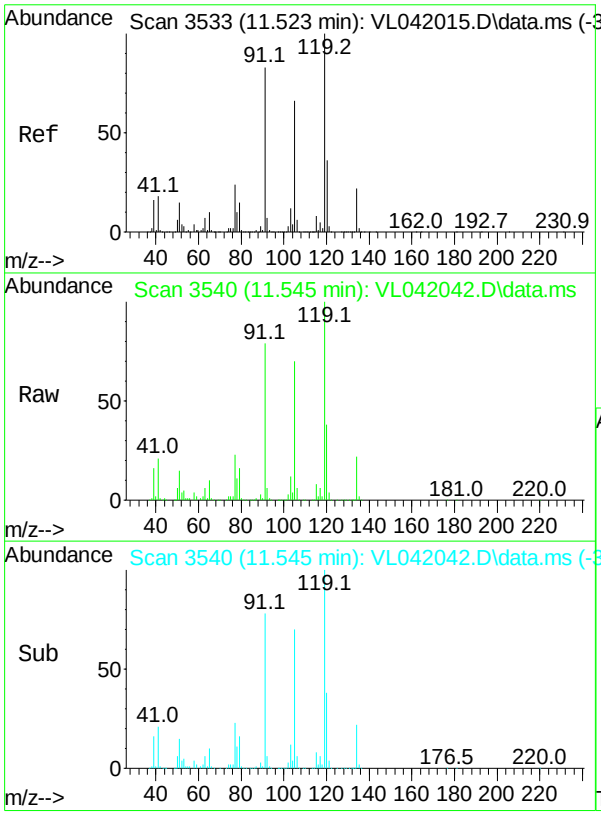


#64
n-propylbenzene
Concen: 1.965 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:120 Resp: 47764

Ion	Ratio	Lower	Upper
120	100		
91	469.7	392.2	588.2

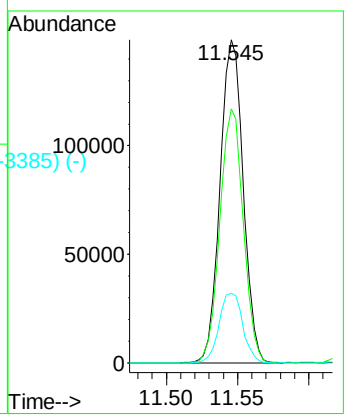




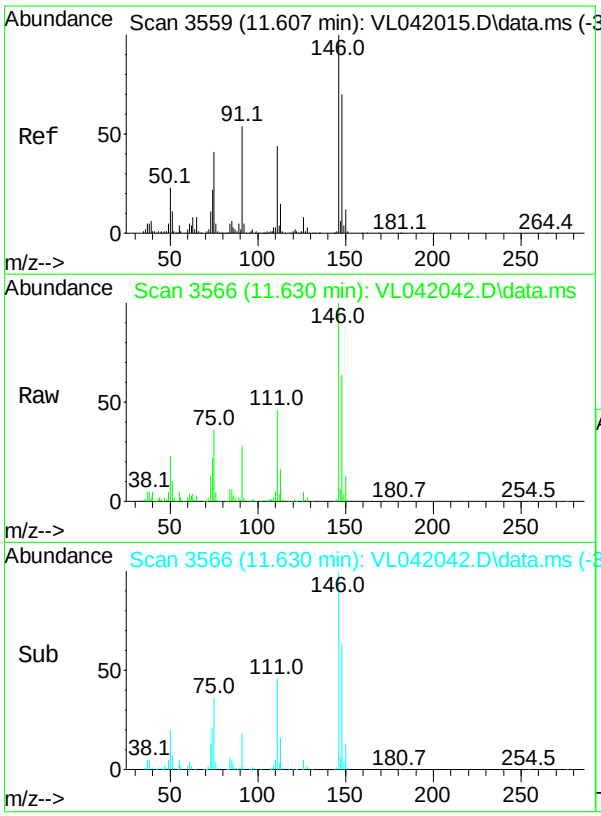
#85
tert-Butylbenzene
Concen: 1.948 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:119 Resp: 167973

Ion	Ratio	Lower	Upper
119	100		
91	79.5	66.5	99.7
134	22.1	16.6	24.8



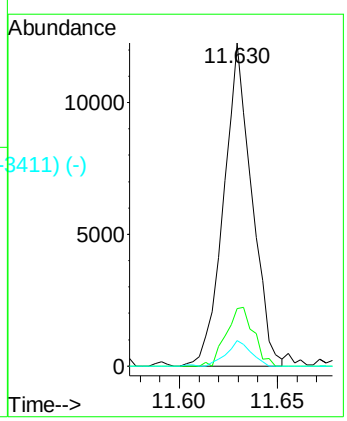
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

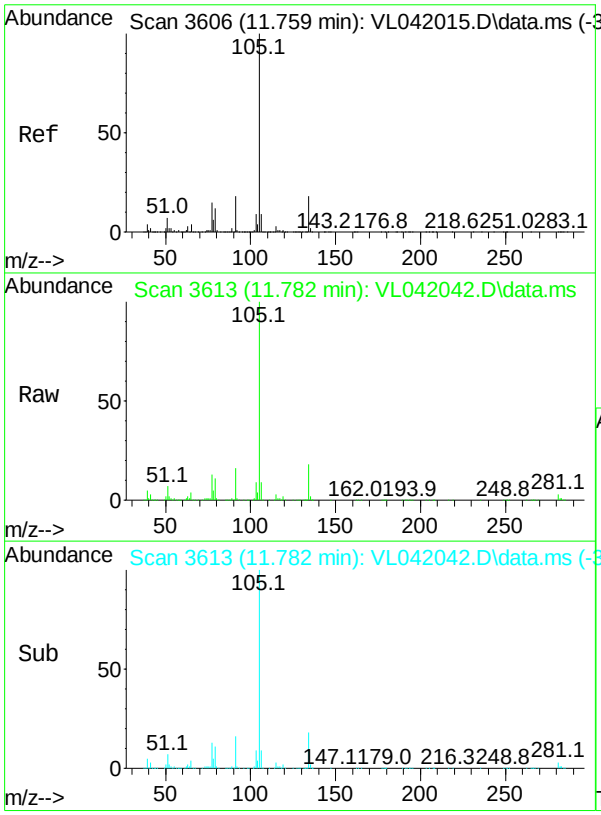


#86
Benzyl Chloride
Concen: 1.423 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 12304

Ion	Ratio	Lower	Upper
91	100		
126	17.7	13.8	20.6
128	7.0	4.1	6.1#

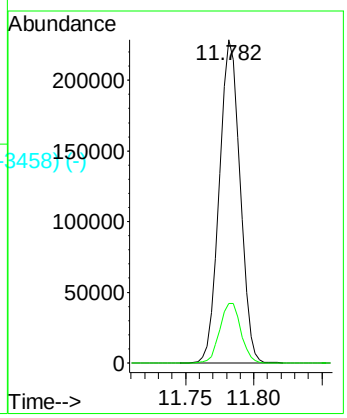




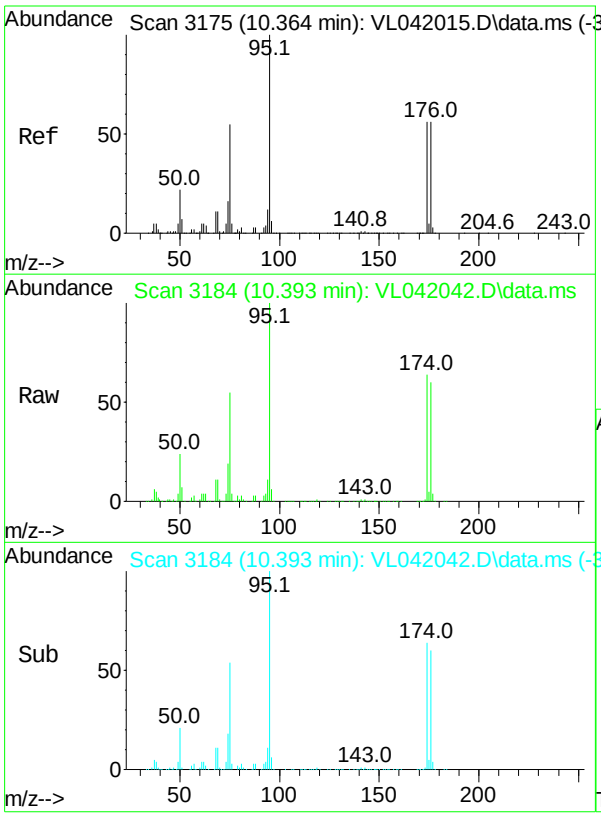
#67
sec-Butylbenzene
Concen: 1.986 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 240504

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.7	22.1



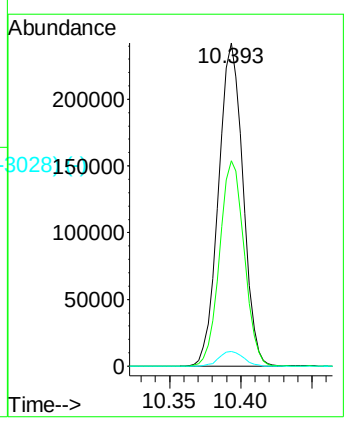
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

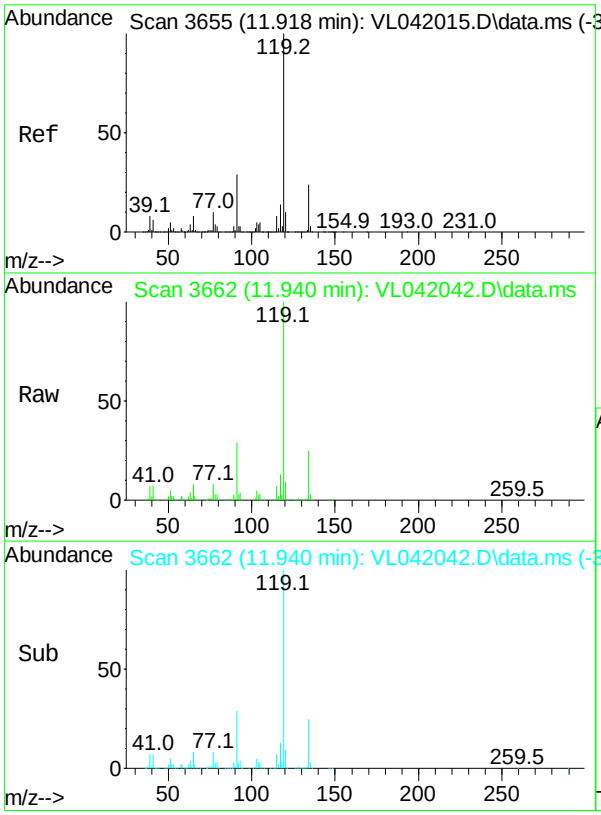


#68
1-Bromo-4-Fluorobenzene
Concen: 9.273 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 95 Resp: 289049

Ion	Ratio	Lower	Upper
95	100		
174	63.8	46.7	70.1
175	4.5	3.7	5.5

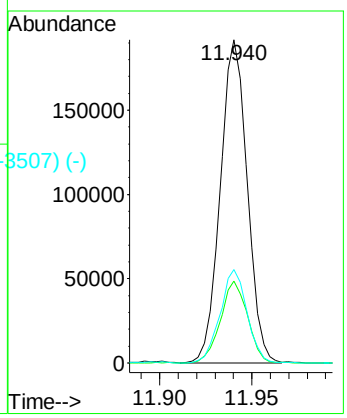




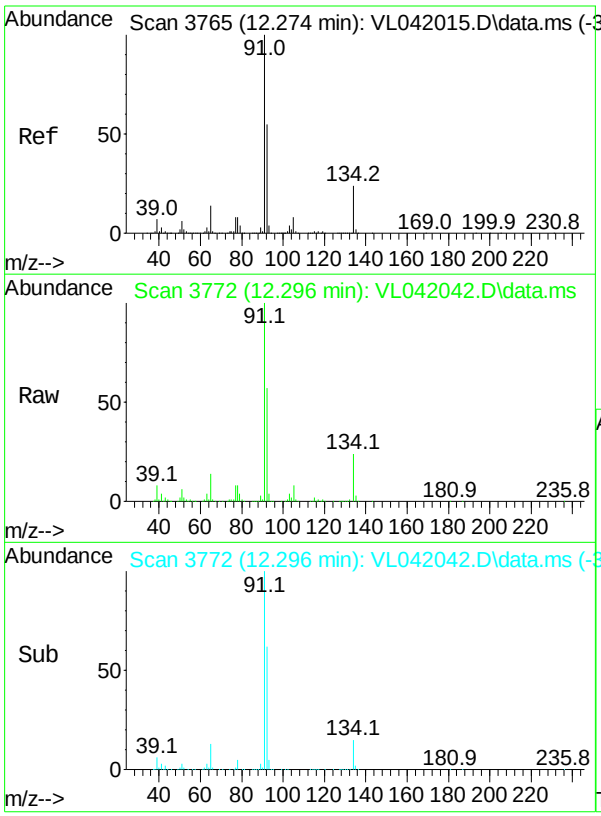
#69
p-Isopropyltoluene
Concen: 1.963 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:119 Resp: 194660

Ion	Ratio	Lower	Upper
119	100		
134	25.6	19.4	29.0
91	29.2	23.4	35.2



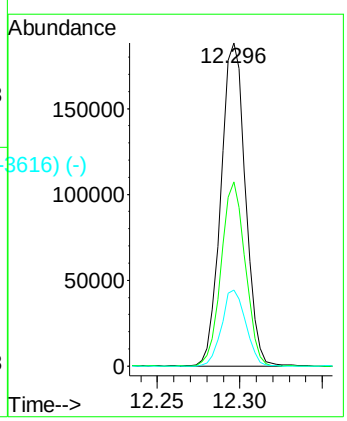
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

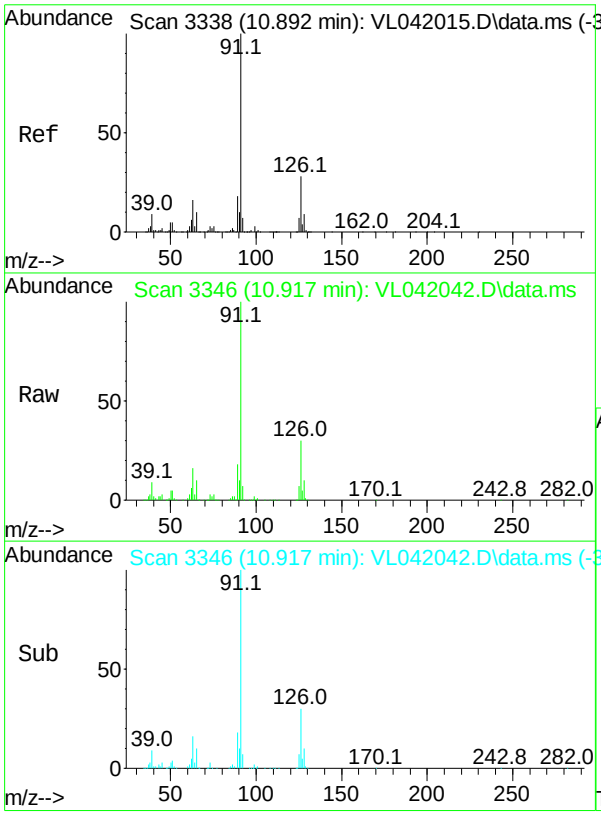


#70
n-Butylbenzene
Concen: 1.991 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 194416

Ion	Ratio	Lower	Upper
91	100		
92	56.0	43.8	65.8
134	23.2	18.6	27.8

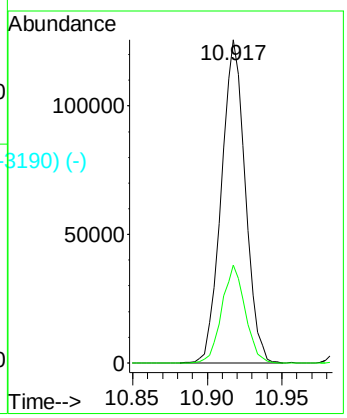




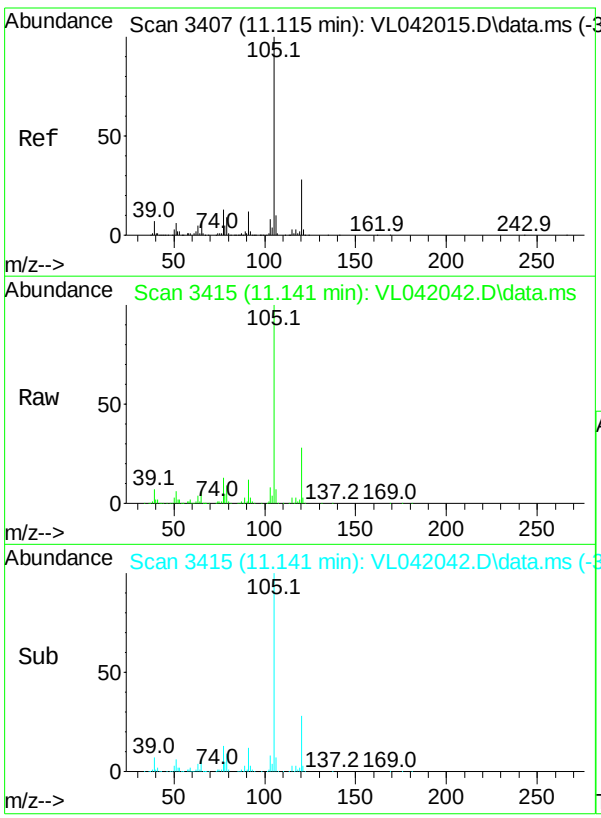
#71
2-Chlorotoluene
Concen: 1.880 ppbv
RT: 10.917 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 140068

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.2	45.0



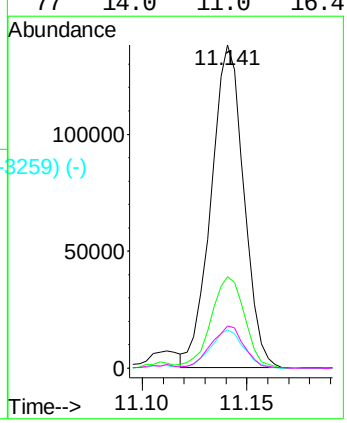
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

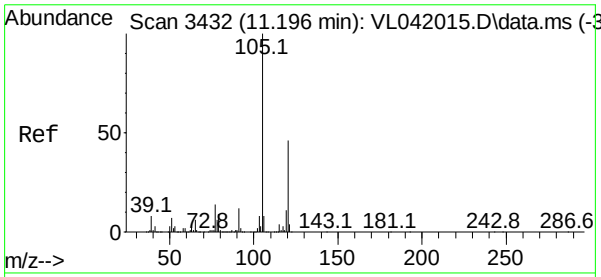


#72
4-Ethyltoluene
Concen: 1.944 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150038

Ion	Ratio	Lower	Upper
105	100		
120	30.6	22.7	34.1
91	12.9	10.2	15.2
77	14.0	11.0	16.4



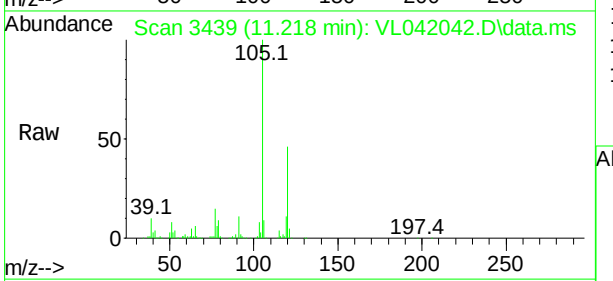


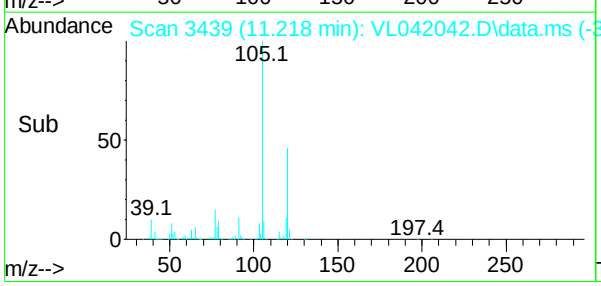
#73
1,3,5-Trimethylbenzene
Concen: 1.925 ppbv
RT: 11.218 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

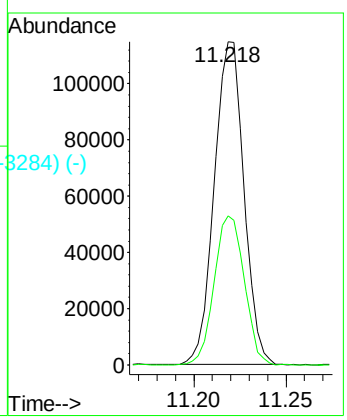
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

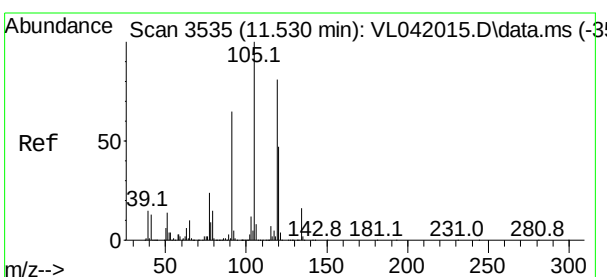
Tgt Ion:105 Resp: 128202

Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.1	55.7





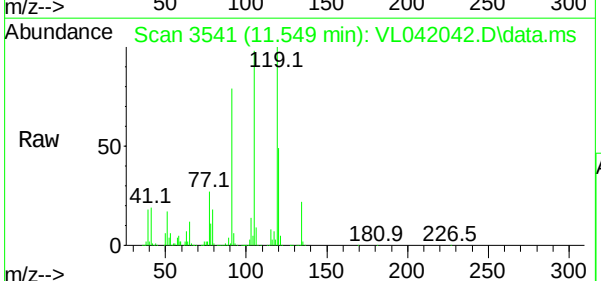


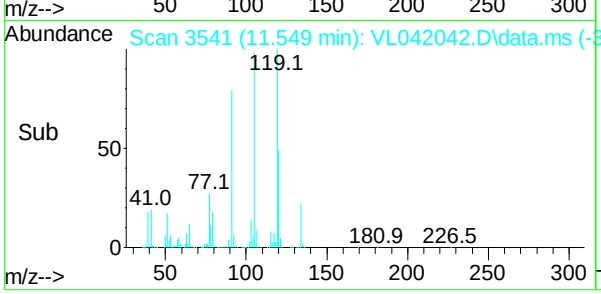


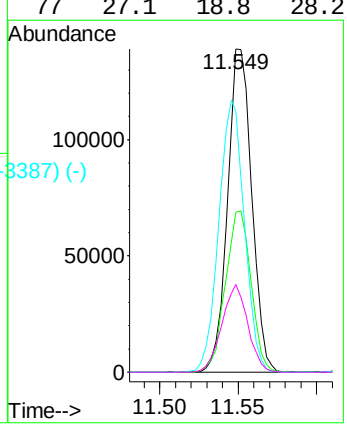
#74
1,2,4-Trimethylbenzene
Concen: 2.104 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

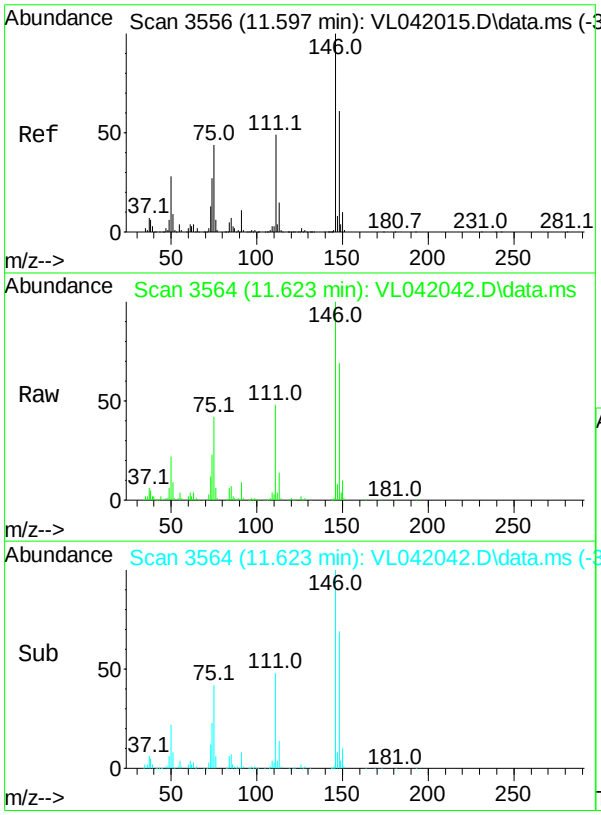
Tgt Ion:105 Resp: 150380

Ion	Ratio	Lower	Upper
105	100		
120	49.5	37.5	56.3
91	80.7	51.7	77.5#
77	27.1	18.8	28.2







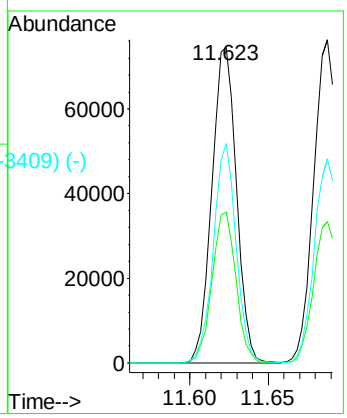


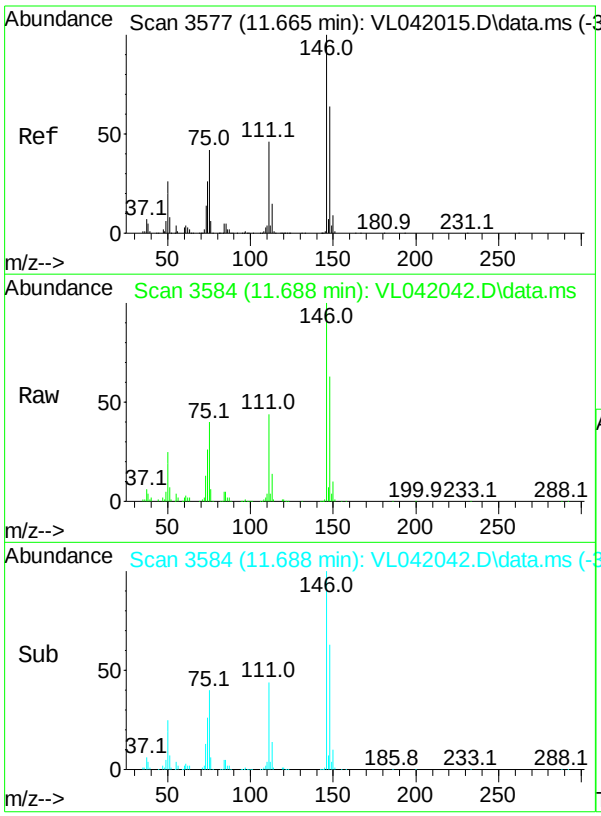
#75
1,3-Dichlorobenzene
Concen: 2.129 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 81884

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.9	71.7
148	64.4	31.5	94.5

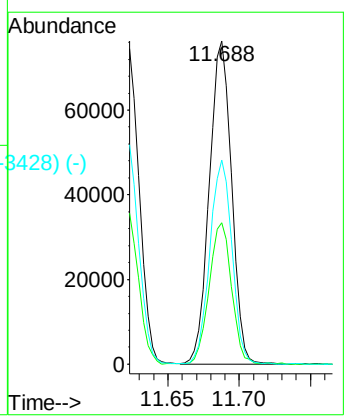




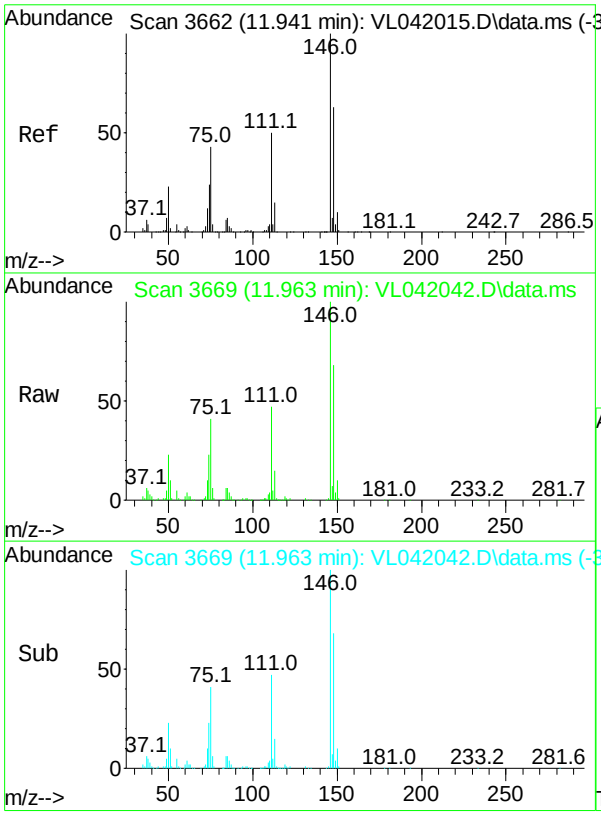
#76
1,4-Dichlorobenzene
Concen: 2.201 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 82560

Ion	Ratio	Lower	Upper
146	100		
111	44.2	23.5	70.5
148	63.0	32.3	96.9



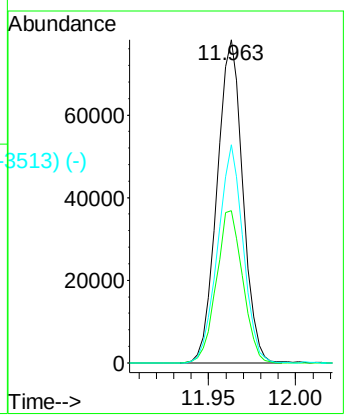
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

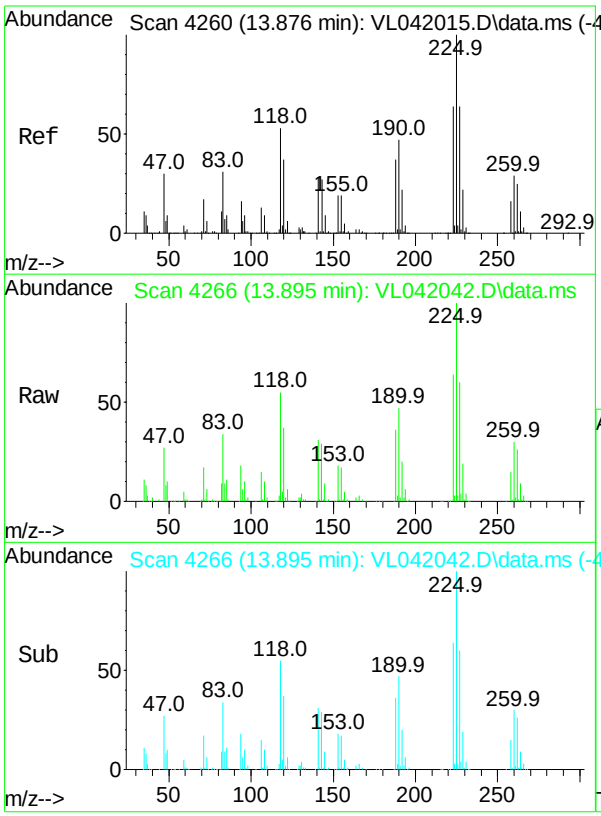


#527 (-)
1,2-Dichlorobenzene
Concen: 2.186 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 80367

Ion	Ratio	Lower	Upper
146	100		
111	48.3	25.6	76.8
148	66.6	31.9	95.7

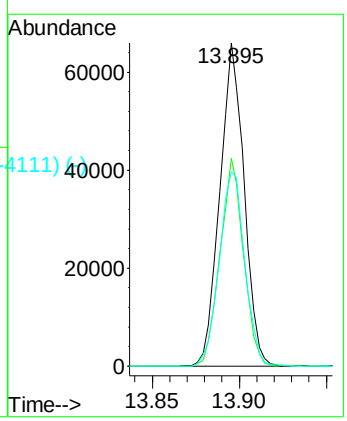


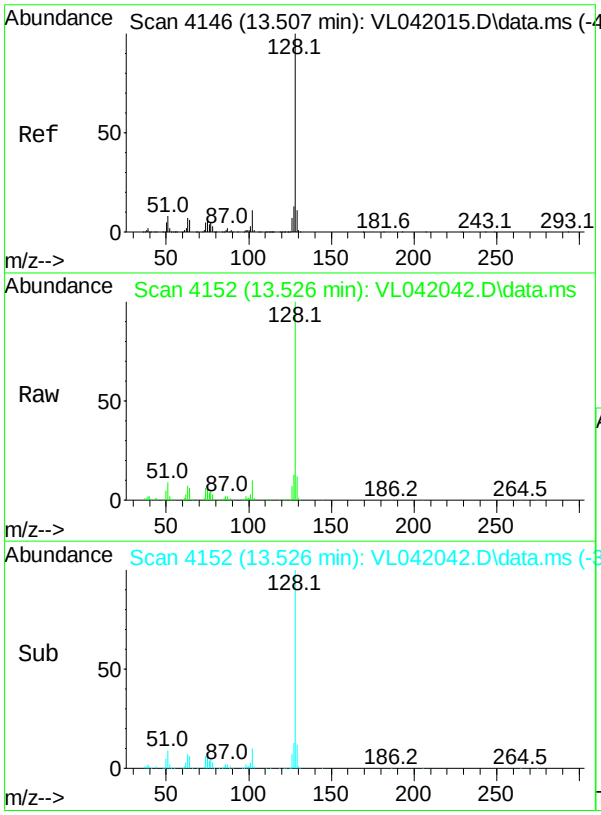


#528 (-)
Hexachloro-1,3-Butadiene
Concen: 2.098 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:225 Resp: 63815

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	75.8
227	63.3	50.9	76.3

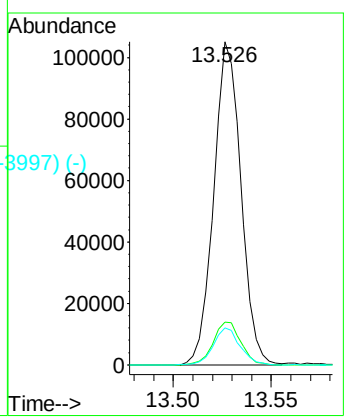


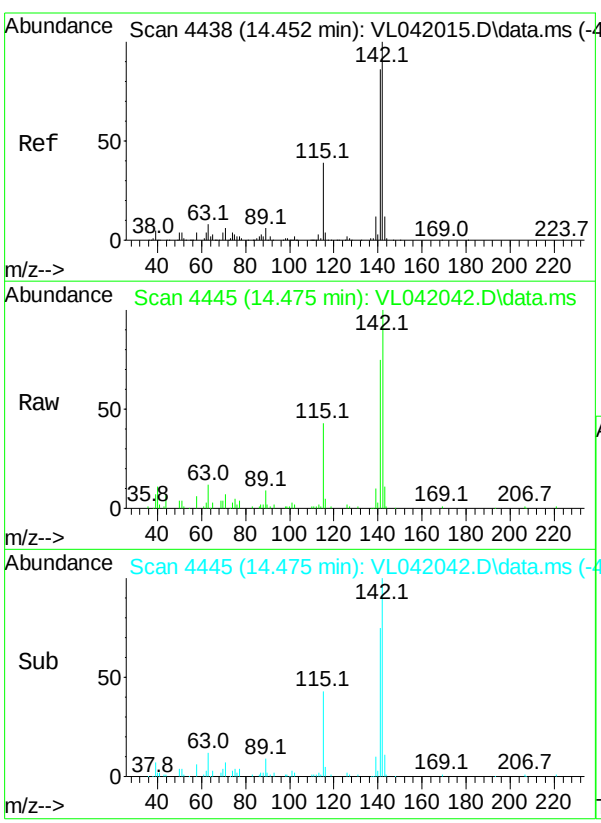


#79
Naphthalene
Concen: 1.454 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:128 Resp: 102197

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.6	8.6	13.0

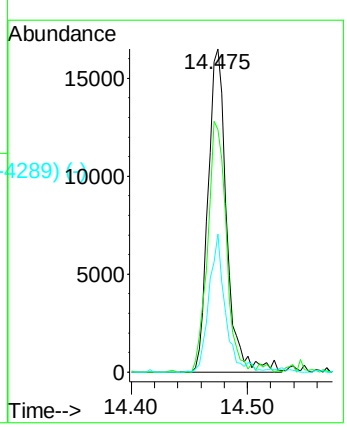




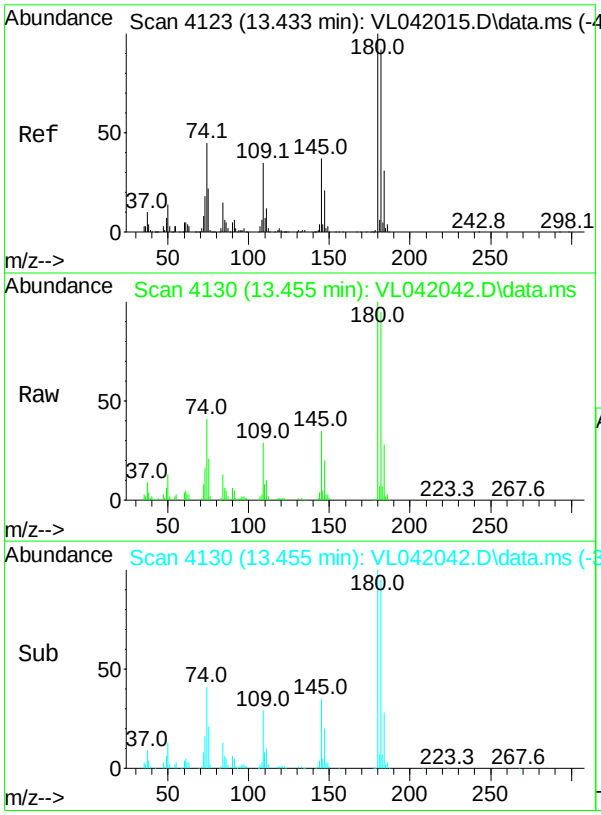
#80
Naphthalene,2-methyl-
Concen: 0.569 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:142 Resp: 18104

Ion	Ratio	Lower	Upper
142	100		
141	79.7	68.2	102.2
115	38.7	33.6	50.4



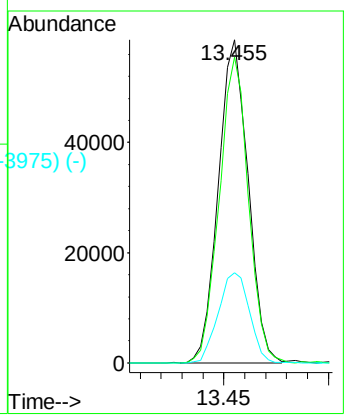
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



1,2,4-Trichlorobenzene
Concen: 2.023 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:180 Resp: 57798

Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.8	113.6
184	29.2	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	161096	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	423363	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	369917	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	287450	9.420	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	17457	0.629	ppbv	95
3) Chlorodifluoromethane	1.479	51	25229	0.823	ppbv	98
4) Chloromethane	1.538	50	6417	0.595	ppbv #	75
5) Vinyl Chloride	1.586	62	5567	0.432	ppbv	96
6) Bromomethane	1.674	94	2966	0.594	ppbv	100
7) Chloroethane	1.709	64	2542	0.605	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	14655	0.601	ppbv	90
9) Propene	1.486	41	10156	0.768	ppbv	96
10) Heptane	4.998	43	19784	0.539	ppbv #	59
11) Trichlorofluoromethane	1.884	101	18079	0.648	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	14527	0.667	ppbv	92
13) Ethanol	1.725	45	1108	0.743	ppbv	91
14) Bromoethene	1.787	108	4905	0.604	ppbv #	95
15) Acetone	1.845	43	15468	0.582	ppbv	98
16) 1,3-Butadiene	1.615	39	7010	0.556	ppbv	99
17) tert-Butyl alcohol	2.052	59	19092	0.580	ppbv	97
18) 1,1-Dichloroethene	2.043	96	7042	0.677	ppbv	94
19) Isopropyl Alcohol	1.894	45	9191	0.616	ppbv #	32
20) Methylene Chloride	2.068	84	6026	0.602	ppbv	95
21) Allyl Chloride	2.104	41	11550	0.600	ppbv	95
22) trans-1,2-Dichloroethene	2.043	96	7042	0.624	ppbv	87
23) Vinyl Acetate	2.473	43	9893	0.687	ppbv #	91
24) 1,1-Dichloroethane	2.418	63	13783	0.601	ppbv	98
25) Ethyl Acetate	2.852	43	59183	0.811	ppbv	99
26) Hexane	2.836	57	23549	0.804	ppbv	96
27) Carbon Disulfide	2.159	76	15659	0.568	ppbv #	46
28) Methyl tert-Butyl Ether	2.454	73	13593	0.759	ppbv	95
29) Chloroform	2.861	83	32925	0.776	ppbv	94
30) Cyclohexane	3.874	84	19953	0.840	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	22565	0.780	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	30870	0.656	ppbv	96
34) 2-Butanone	2.570	43	33820	0.929	ppbv	99
35) Carbon Tetrachloride	3.777	117	30618	0.745	ppbv	90
36) Benzene	3.674	78	45892	0.895	ppbv	96
37) 1,2-Dichloroethane	3.234	62	25585	0.876	ppbv	99
38) Trichloroethene	4.570	130	18921	0.908	ppbv	91
39) 1,2-Dichloropropane	4.334	63	17557	0.934	ppbv	94
40) 1,4-Dioxane	4.619	88	3890	0.398	ppbv #	1
41) Tetrahydrofuran	3.075	42	20823	1.000	ppbv	96
42) Bromodichloromethane	4.515	83	33481	0.847	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

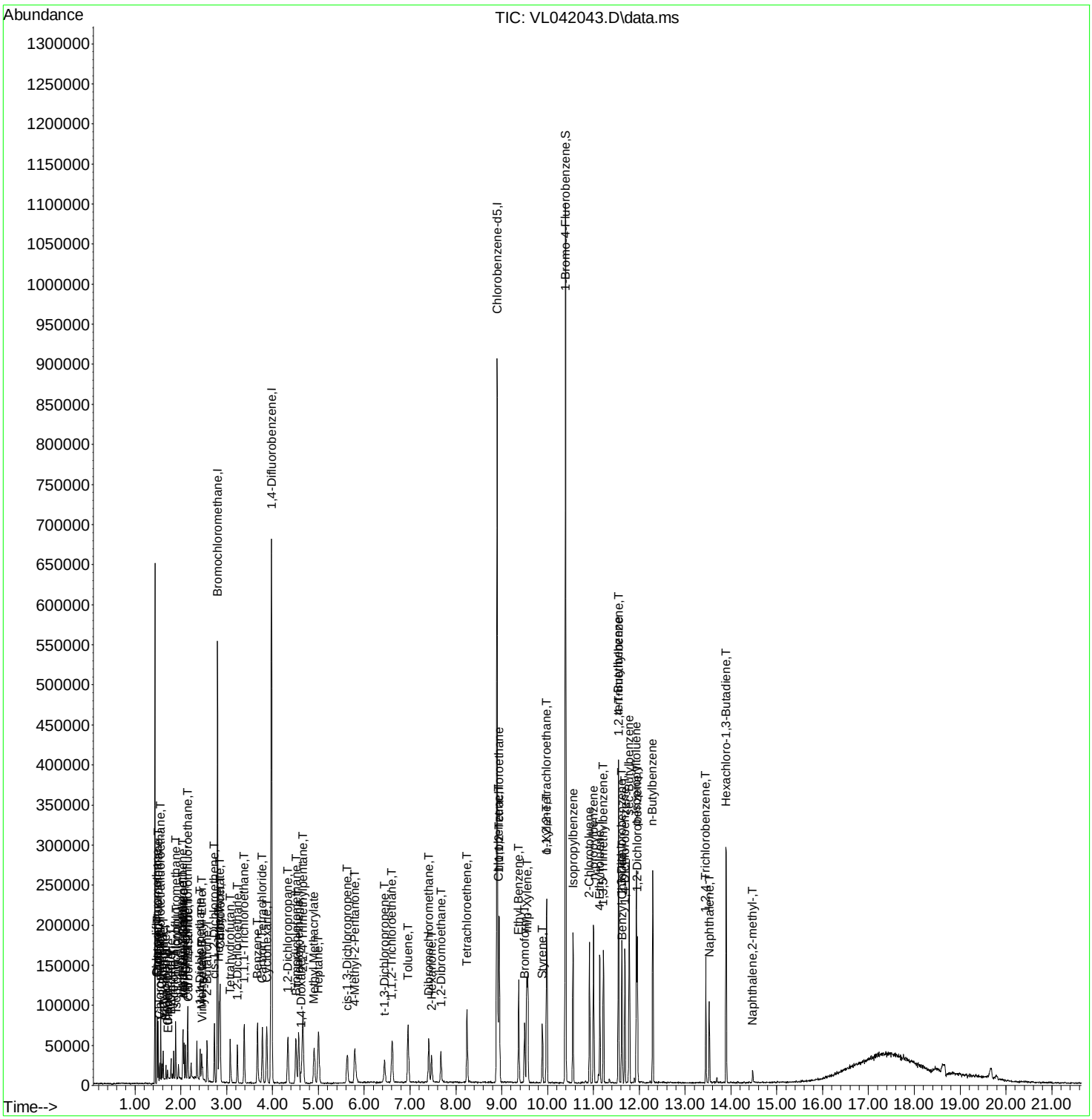
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.907	69	17679	0.756	ppbv		99
44) 2,2,4-Trimethylpentane	4.661	57	81921	0.941	ppbv		98
45) t-1,3-Dichloropropene	6.444	75	8303	0.376	ppbv	#	83
46) cis-1,3-Dichloropropene	5.632	75	5320	0.190	ppbv	#	1
47) 1,1,2-Trichloroethane	6.606	97	9420	0.476	ppbv		93
48) Dibromochloromethane	7.412	129	28239	0.852	ppbv		97
49) Bromoform	9.500	173	23310	0.858	ppbv		94
50) 4-Methyl-2-Pentanone	5.791	43	16703	0.298	ppbv	#	38
51) 2-Hexanone	7.470	43	24117	0.527	ppbv	#	97
52) Tetrachloroethene	8.241	164	16217	0.907	ppbv		89
53) Toluene	6.959	91	51231	0.838	ppbv		99
54) 1,2-Dibromoethane	7.674	107	23427	0.860	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.943	131	22060	0.833	ppbv		97
57) Chlorobenzene	8.937	112	41173	0.946	ppbv		96
58) Ethyl Benzene	9.370	91	70507	0.871	ppbv		97
59) m/p-Xylene	9.548	91	61567	0.965	ppbv	#	100
60) o-Xylene	9.979	91	57322	0.889	ppbv		99
61) Styrene	9.885	104	26596	0.865	ppbv		98
62) Isopropylbenzene	10.555	105	86533	0.894	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.979	83	38520	0.926	ppbv		98
64) n-propylbenzene	11.002	120	22456	0.944	ppbv		94
65) tert-Butylbenzene	11.545	119	83284	0.987	ppbv		99
66) Benzyl Chloride	11.626	91	3586	0.424	ppbv	#	65
67) sec-Butylbenzene	11.782	105	119435	1.007	ppbv		99
69) p-Isopropyltoluene	11.940	119	93710	0.966	ppbv		99
70) n-Butylbenzene	12.293	91	94969	0.993	ppbv		98
71) 2-Chlorotoluene	10.914	91	67655	0.928	ppbv		98
72) 4-Ethyltoluene	11.137	105	71906	0.952	ppbv		99
73) 1,3,5-Trimethylbenzene	11.215	105	64087	0.983	ppbv		96
74) 1,2,4-Trimethylbenzene	11.549	105	73323	1.048	ppbv		100
75) 1,3-Dichlorobenzene	11.620	146	41063	1.091	ppbv		99
76) 1,4-Dichlorobenzene	11.685	146	39235	1.068	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	40574	1.127	ppbv		98
78) Hexachloro-1,3-Butadiene	13.895	225	30764	1.033	ppbv		99
79) Naphthalene	13.526	128	45743	0.665	ppbv		98
80) Naphthalene,2-methyl-	14.471	142	5244	0.168	ppbv		94
81) 1,2,4-Trichlorobenzene	13.452	180	25404	0.908	ppbv		95

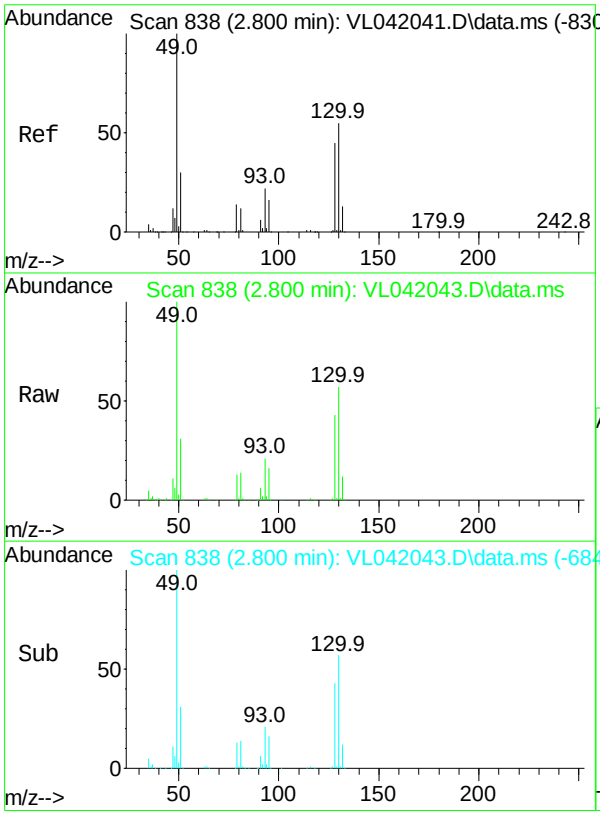
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration



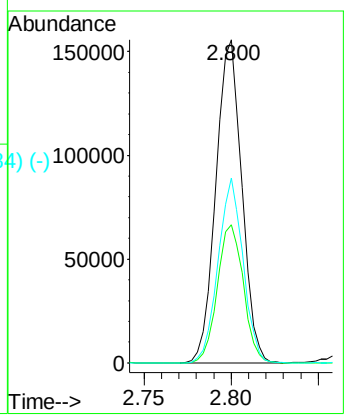


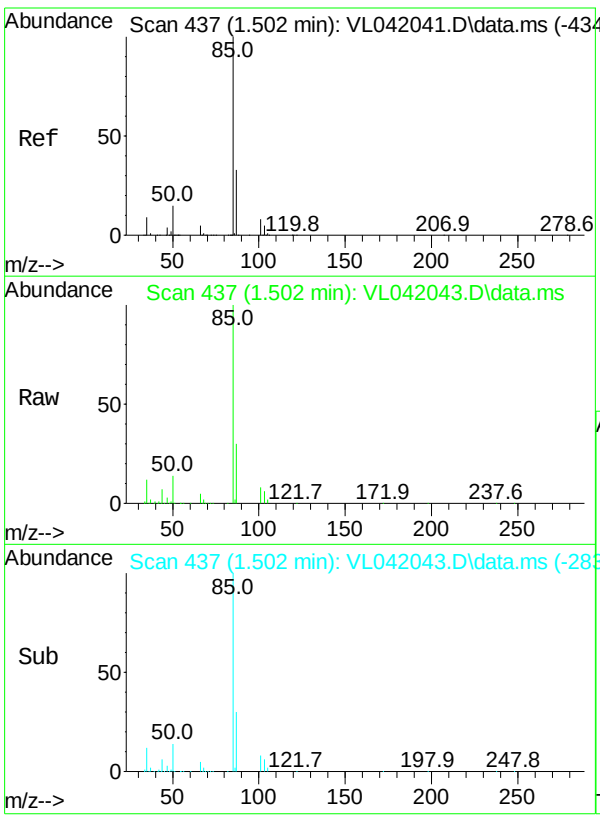
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 161096

Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.6	64.8
130	55.0	27.8	83.4

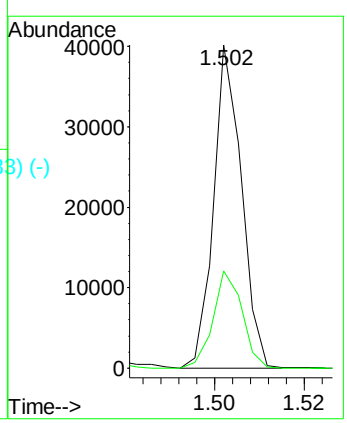


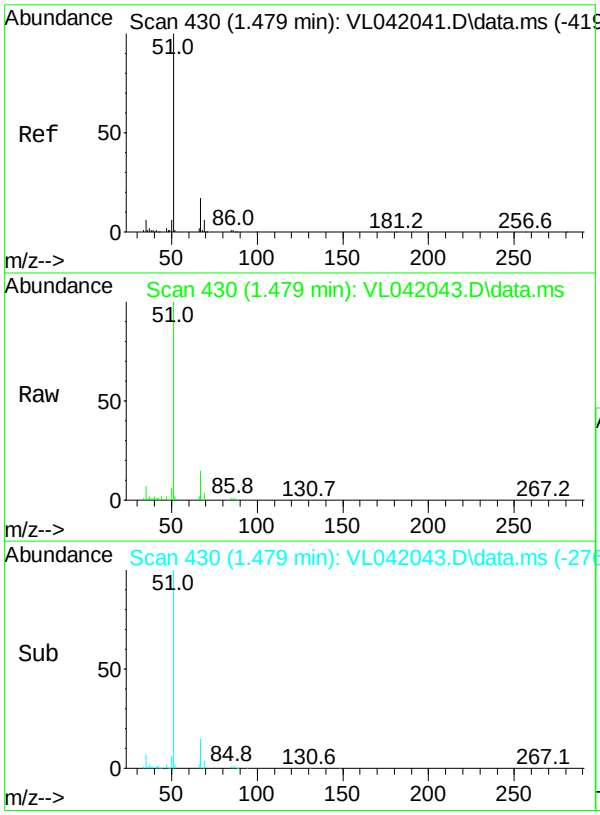


#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 17457

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.4	39.6



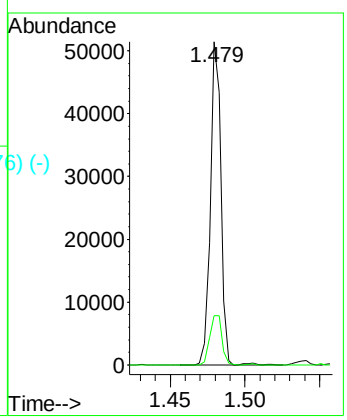


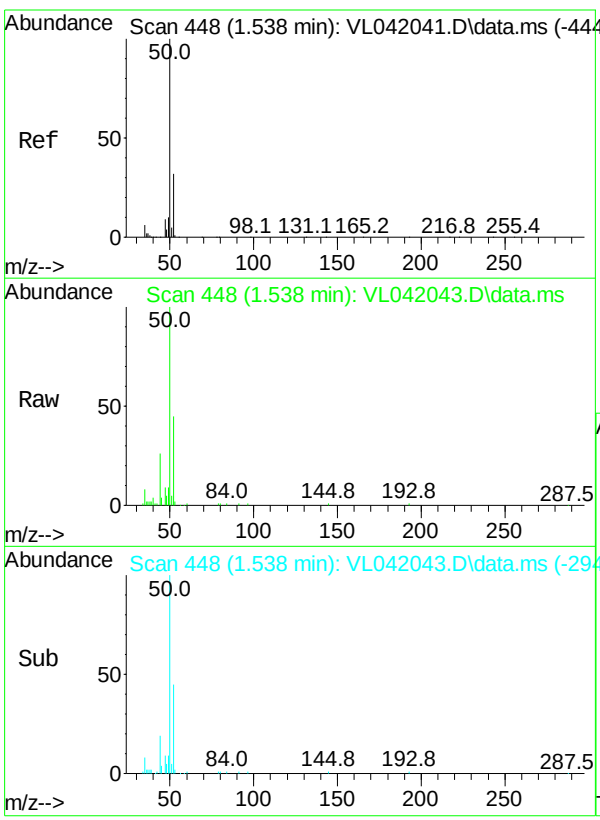
#3
Chlorodifluoromethane
Concen: 0.823 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 25229

Ion	Ratio	Lower	Upper
51	100		
67	17.9	13.7	20.5

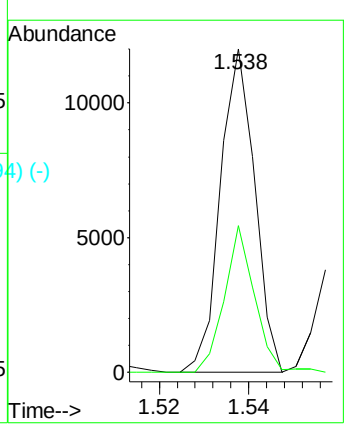


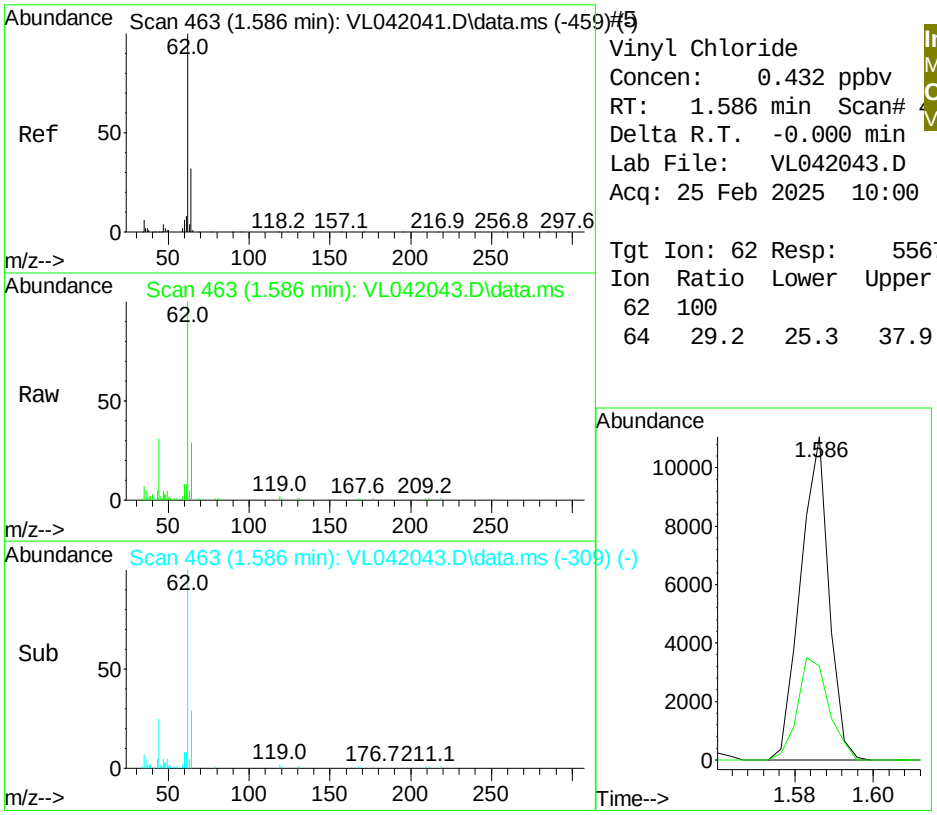


#4
Chloromethane
Concen: 0.595 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 50 Resp: 6417

Ion	Ratio	Lower	Upper
50	100		
52	45.3	25.4	38.0#

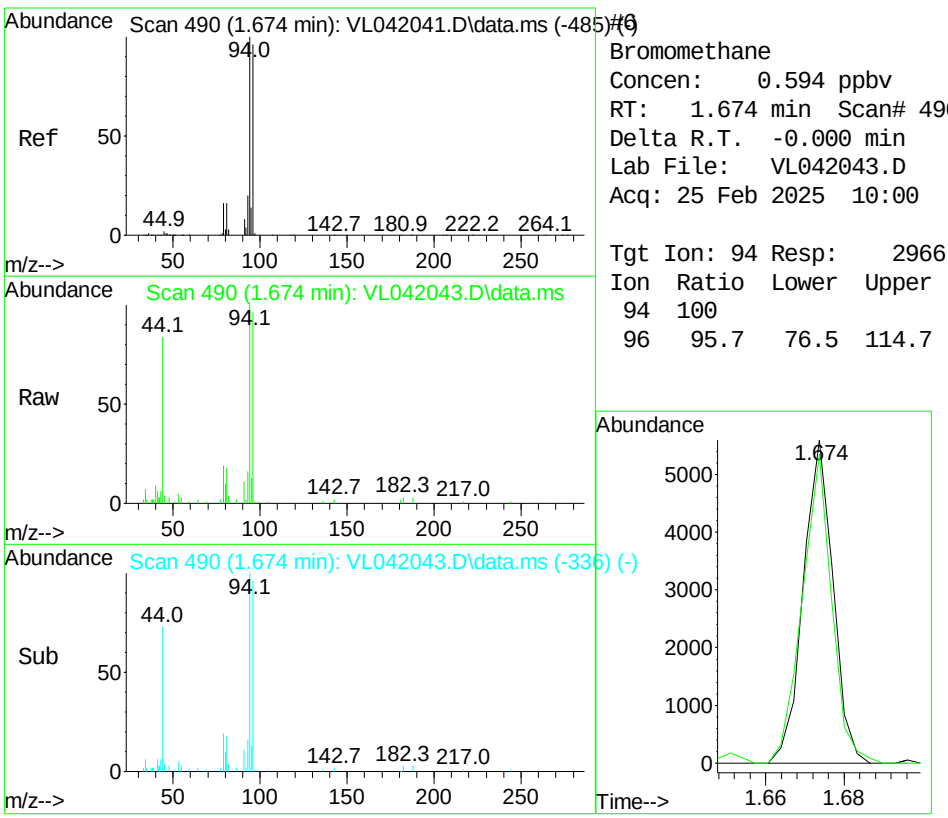




#5
Vinyl Chloride
Concen: 0.432 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 5567

Ion	Ratio	Lower	Upper
62	100		
64	29.2	25.3	37.9

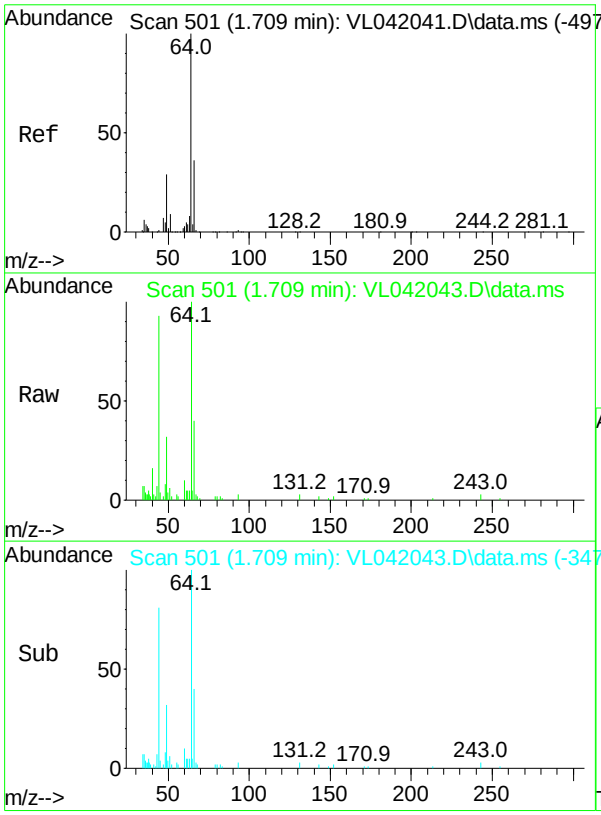


#6
Bromomethane
Concen: 0.594 ppbv
RT: 1.674 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 94 Resp: 2966

Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.5	114.7

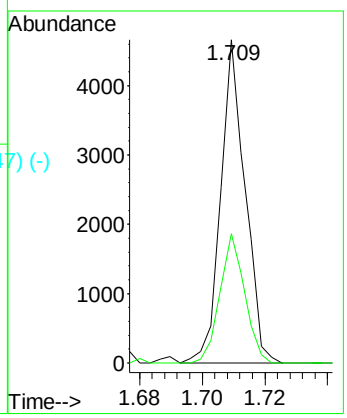
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

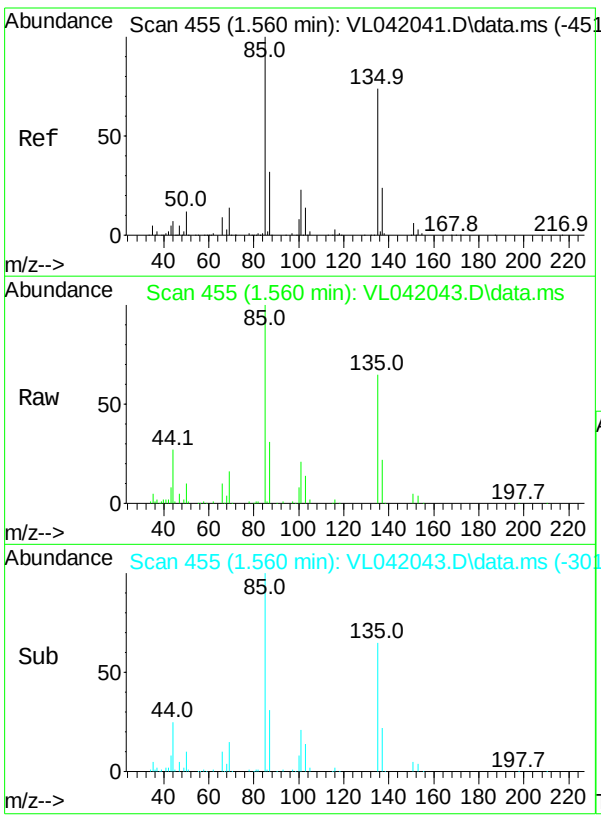


#7
Chloroethane
Concen: 0.605 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 64 Resp: 2542

Ion	Ratio	Lower	Upper
64	100		
66	37.9	28.4	42.6

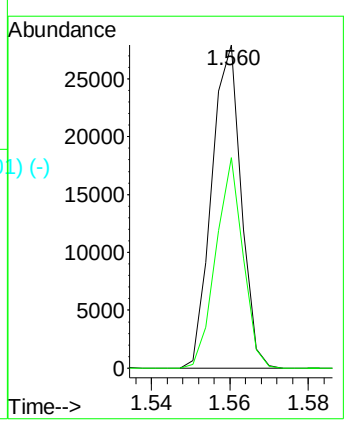




#8
Dichlorotetrafluoroethane
Concen: 0.601 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

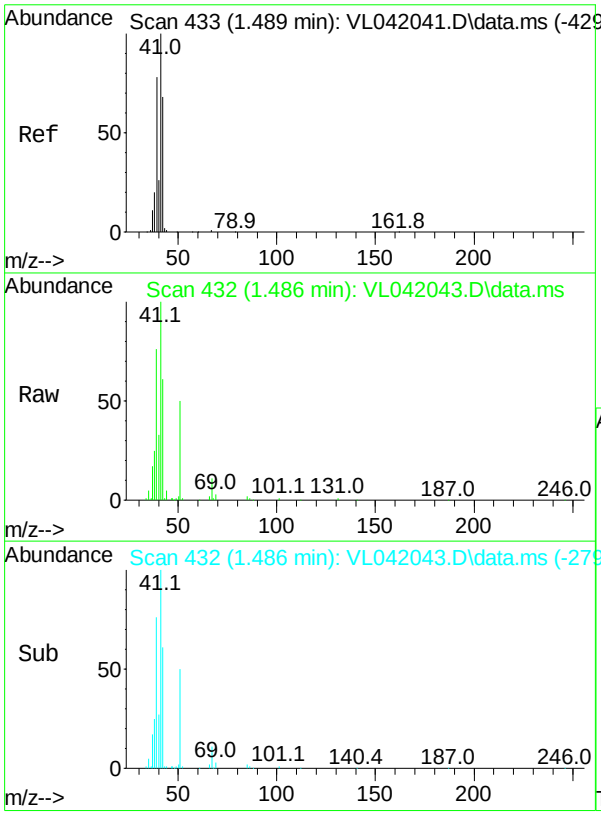
Tgt Ion: 85 Resp: 14655

Ion	Ratio	Lower	Upper
85	100		
135	59.9	54.6	81.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

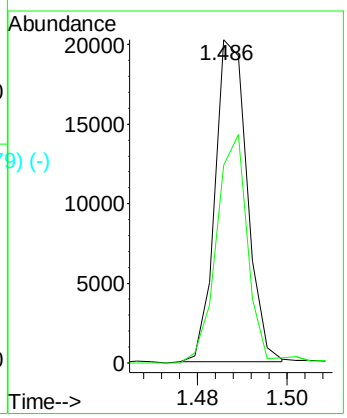
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

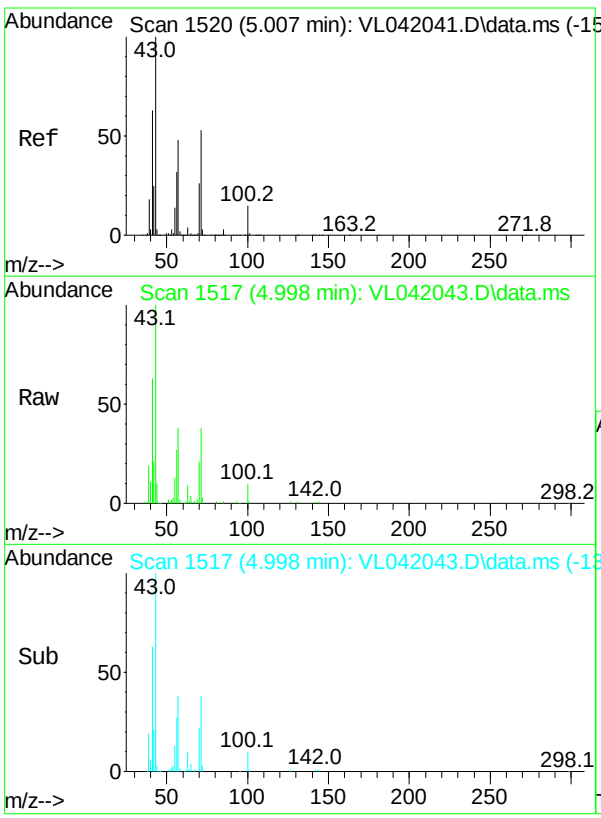


#9
Propene
Concen: 0.768 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 10156

Ion	Ratio	Lower	Upper
41	100		
42	72.6	55.8	83.6

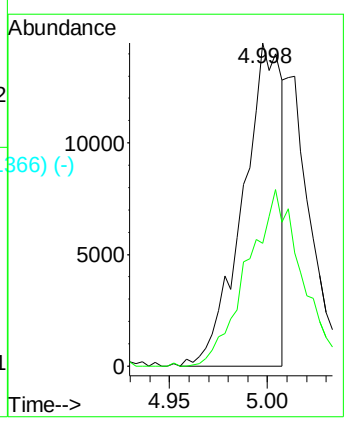


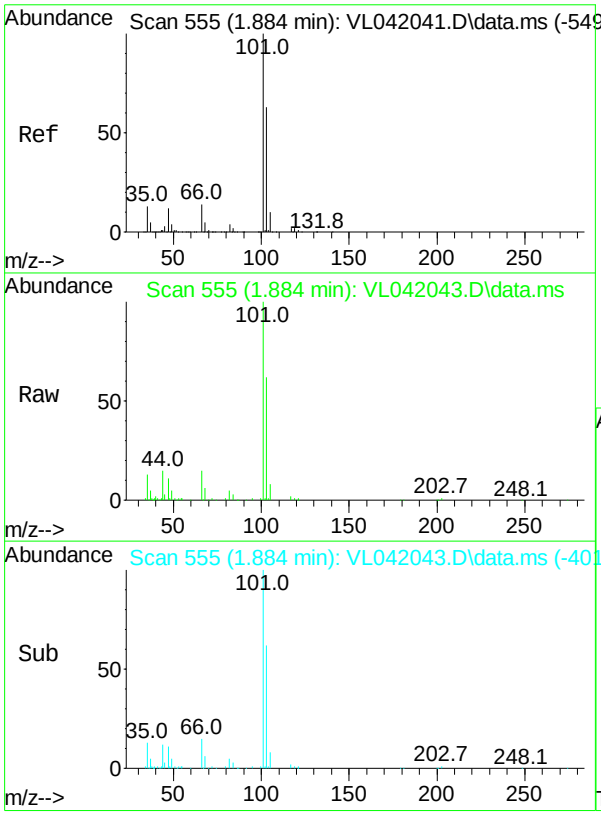


#10
Heptane
Concen: 0.539 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. -0.010 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 19784

Ion	Ratio	Lower	Upper
43	100		
57	77.2	39.4	59.0#



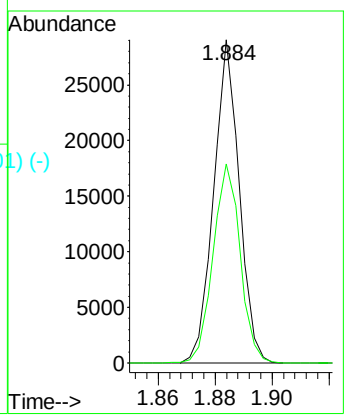


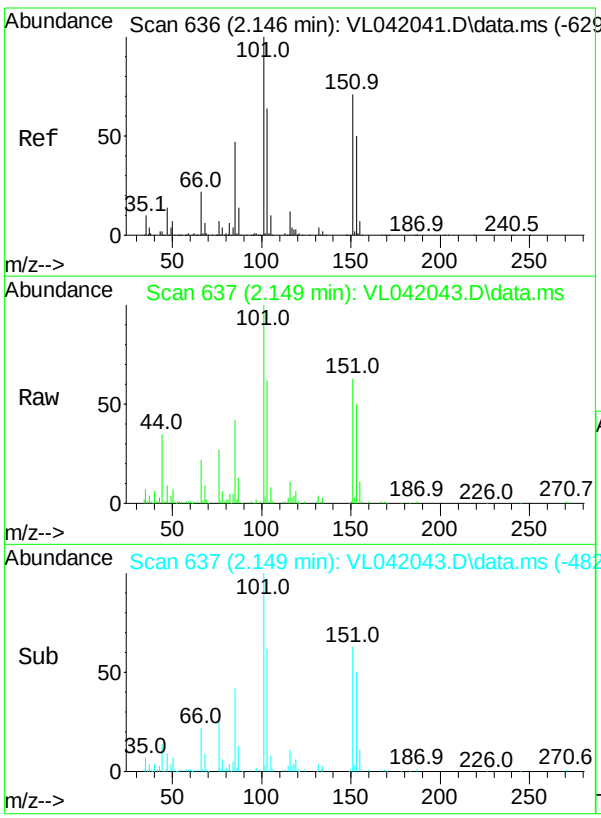
#11
Trichlorofluoromethane
Concen: 0.648 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 18079

Ion	Ratio	Lower	Upper
101	100		
103	61.5	50.6	75.8

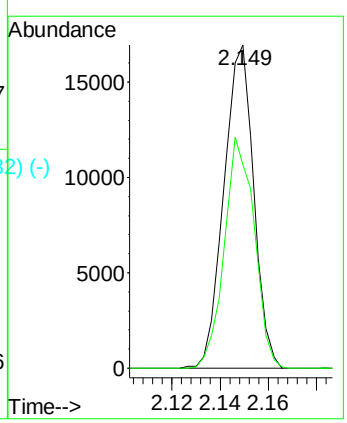


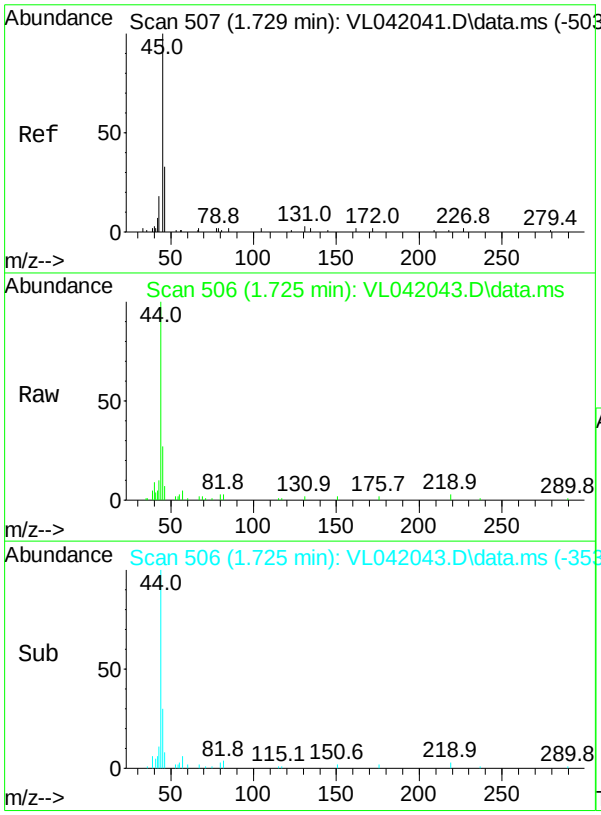


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.667 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:101 Resp: 14527

Ion	Ratio	Lower	Upper
101	100		
151	71.7	62.6	94.0

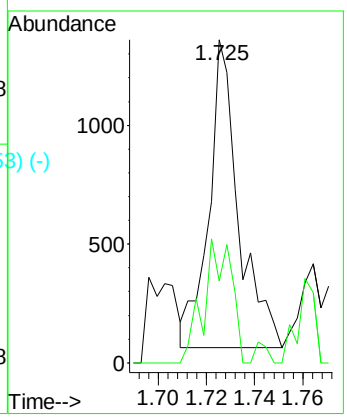


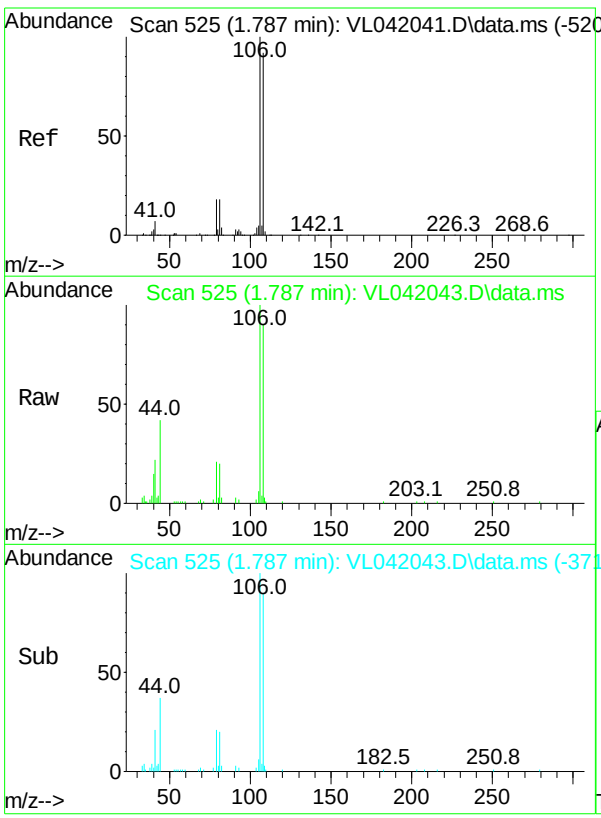


#13
Ethanol
Concen: 0.743 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 1108

Ion	Ratio	Lower	Upper
45	100		
46	37.1	17.1	68.3

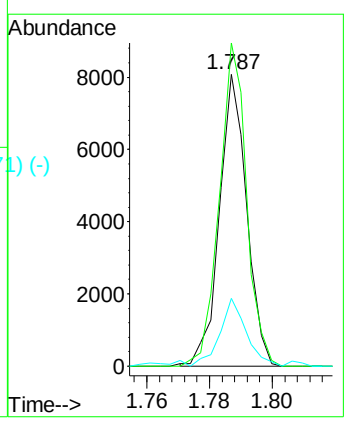


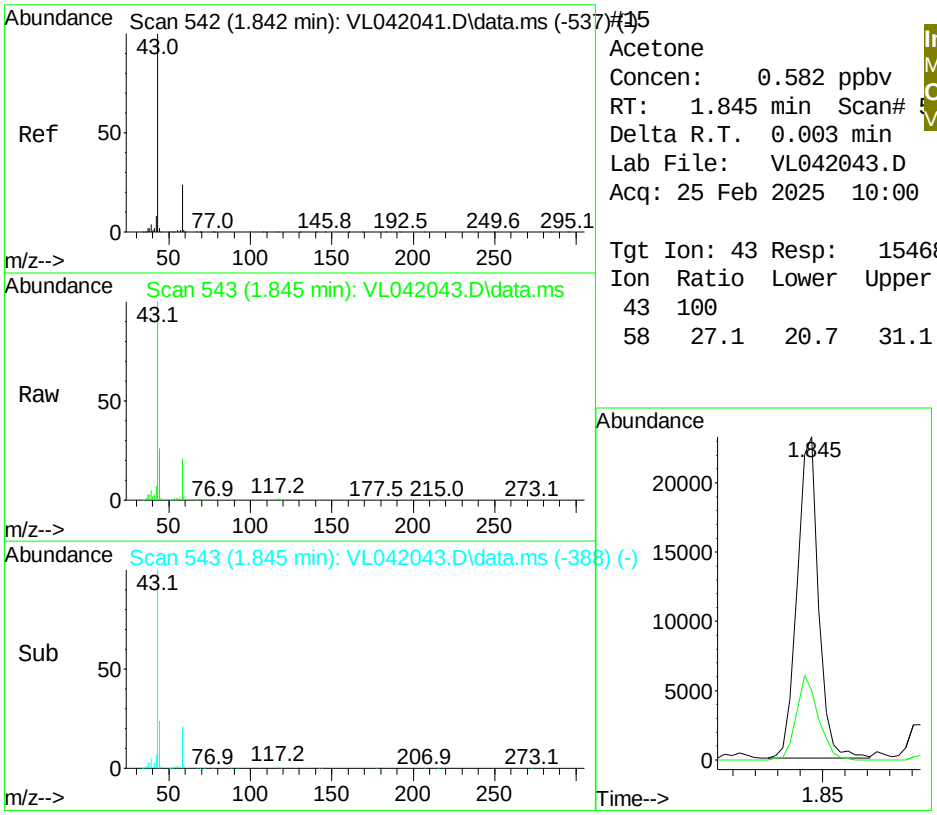


#14
Bromoethene
Concen: 0.604 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:108 Resp: 4905

Ion	Ratio	Lower	Upper
108	100		
106	110.4	85.4	128.0
79	24.9	16.5	24.7#

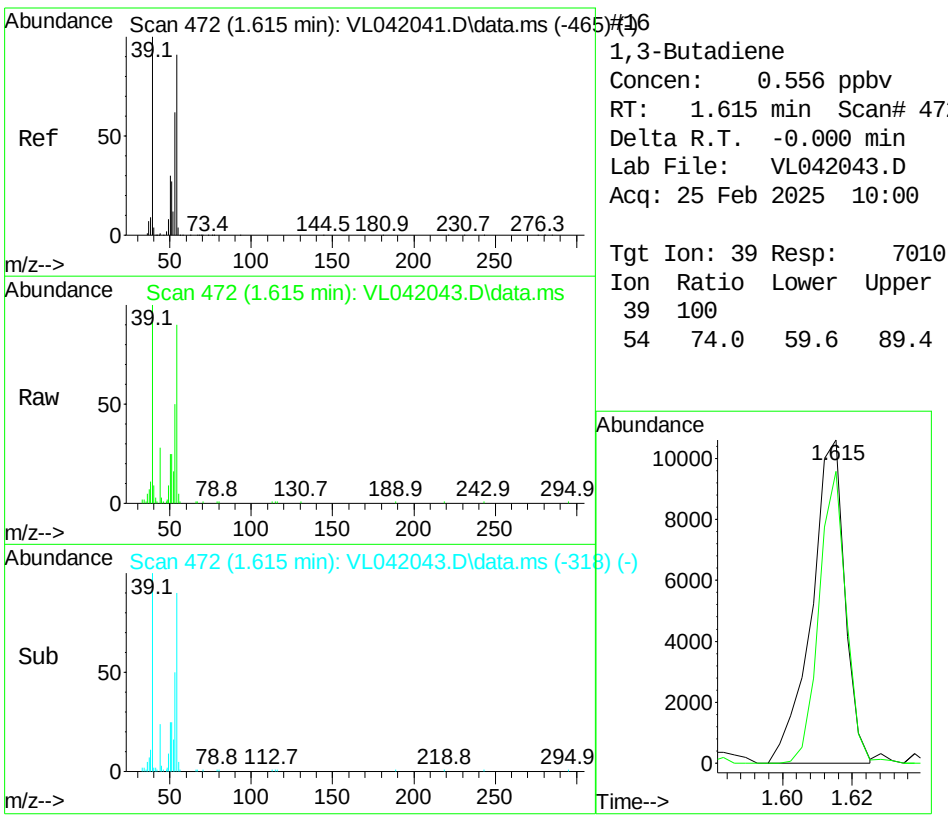




#15
Acetone
Concen: 0.582 ppbv
RT: 1.845 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 15468

Ion	Ratio	Lower	Upper
43	100		
58	27.1	20.7	31.1

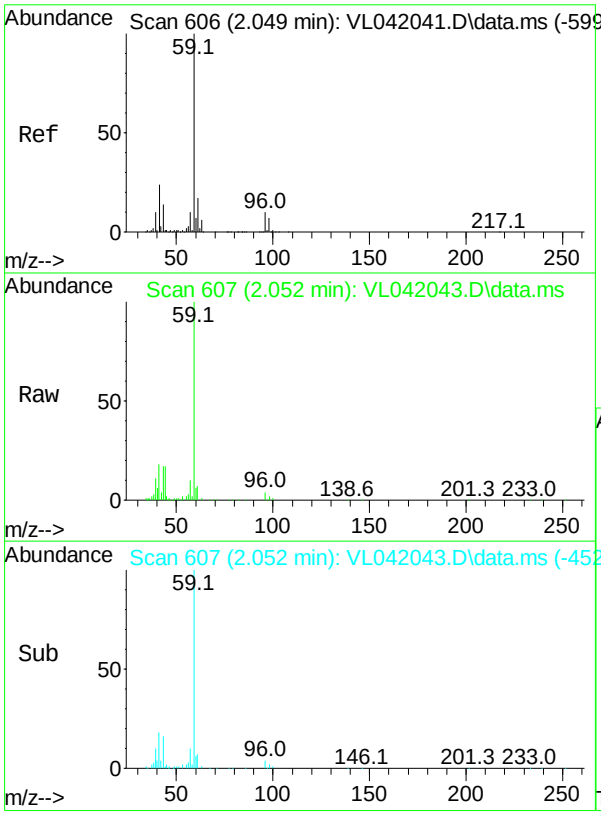


#16
1,3-Butadiene
Concen: 0.556 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 39 Resp: 7010

Ion	Ratio	Lower	Upper
39	100		
54	74.0	59.6	89.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

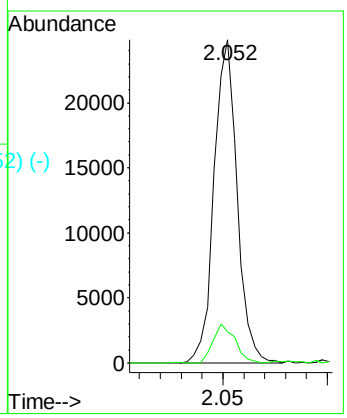


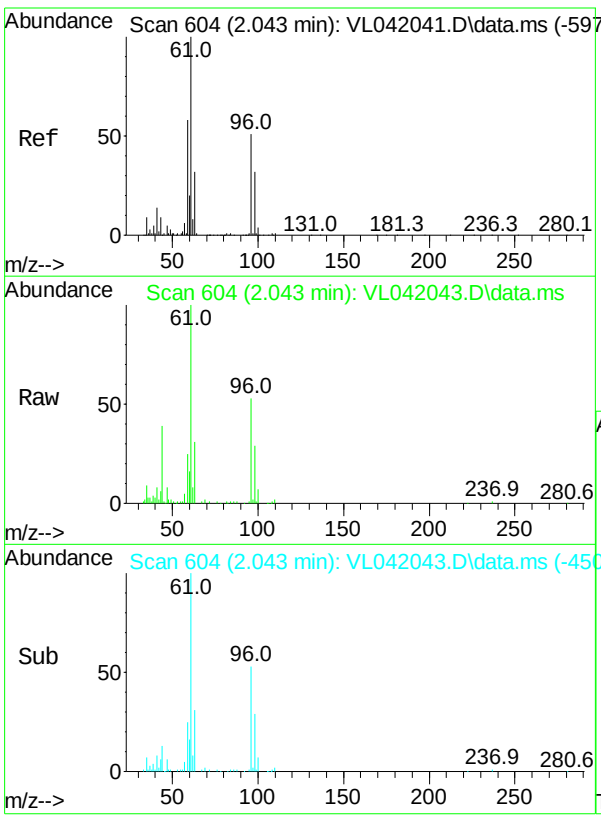
#17
tert-Butyl alcohol
Concen: 0.580 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 19092

Ion	Ratio	Lower	Upper
59	100		
57	12.6	9.3	13.9

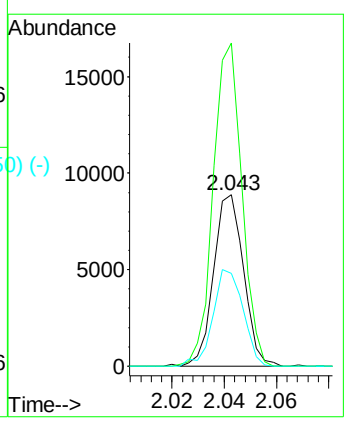


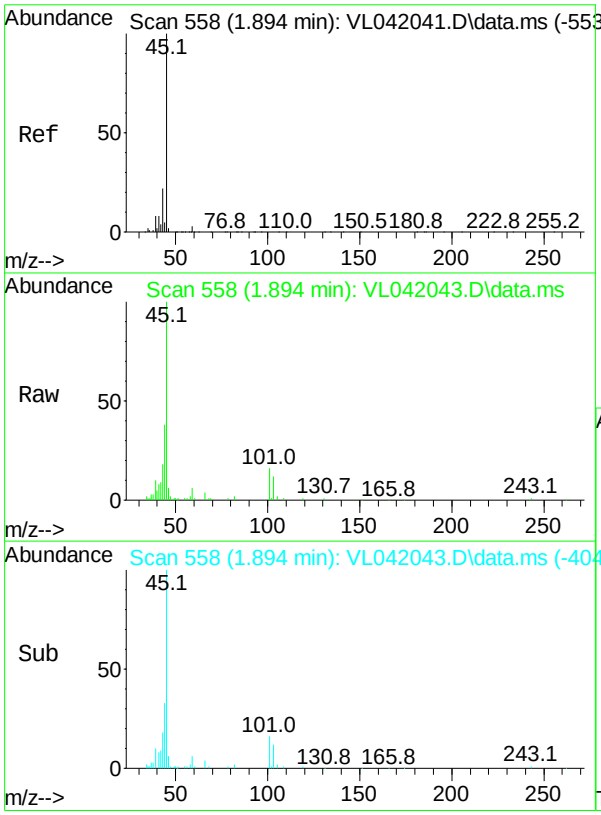


#18
1,1-Dichloroethene
Concen: 0.677 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 7042

Ion	Ratio	Lower	Upper
96	100		
61	188.5	156.0	234.0
98	53.9	49.4	74.2

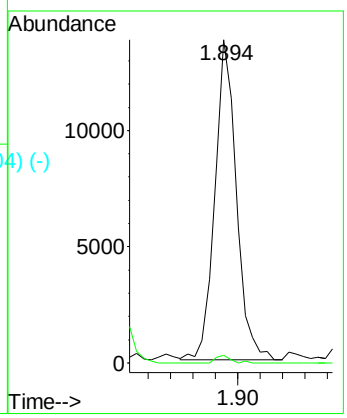


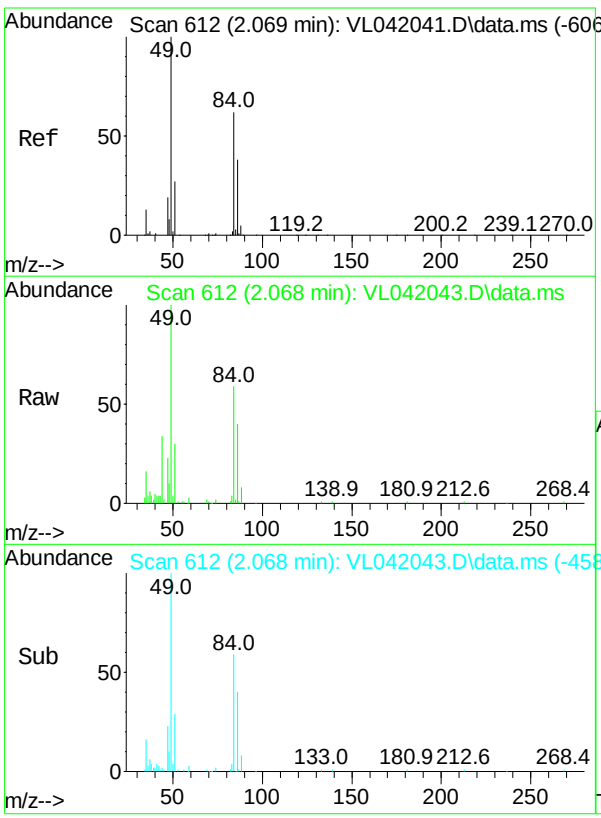


#19
Isopropyl Alcohol
Concen: 0.616 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 9191

Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#

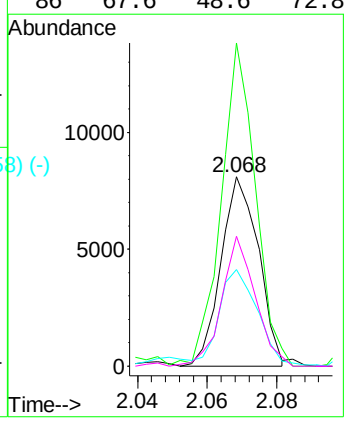




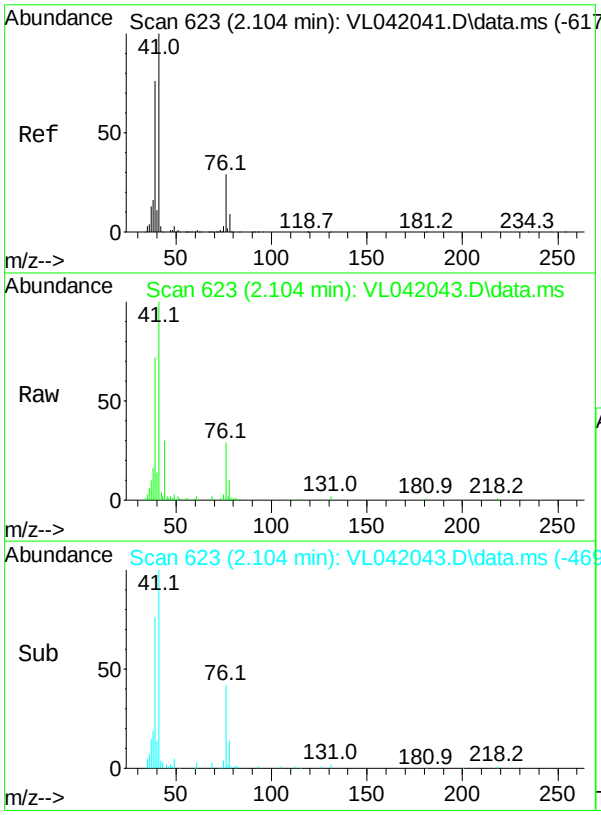
#20
Methylene Chloride
Concen: 0.602 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 6026

Ion	Ratio	Lower	Upper
84	100		
49	167.5	130.0	195.0
51	48.3	37.4	56.0
86	67.6	48.6	72.8



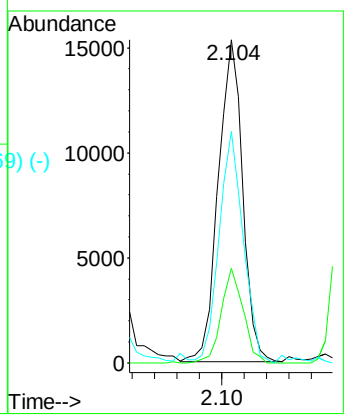
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

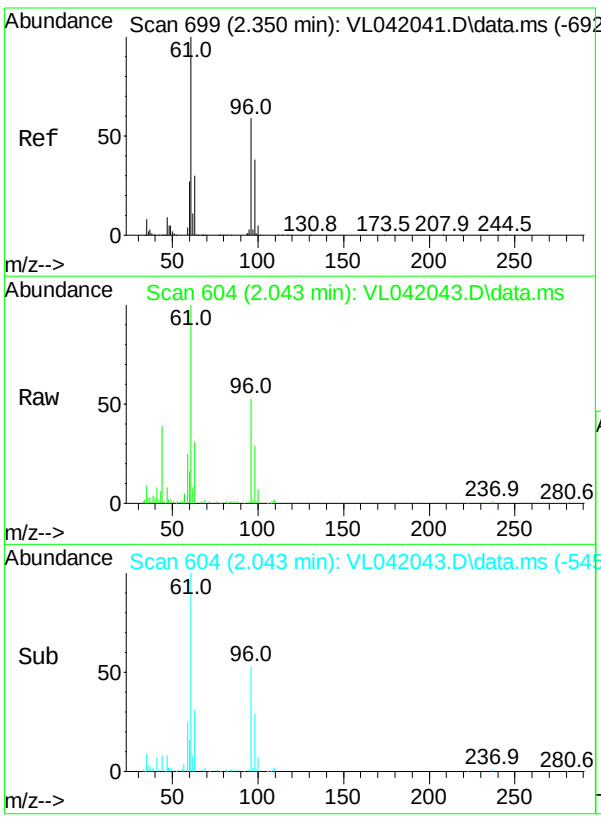


#21
Allyl Chloride
Concen: 0.600 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 11550

Ion	Ratio	Lower	Upper
41	100		
76	26.6	23.8	35.6
39	75.1	63.8	95.6

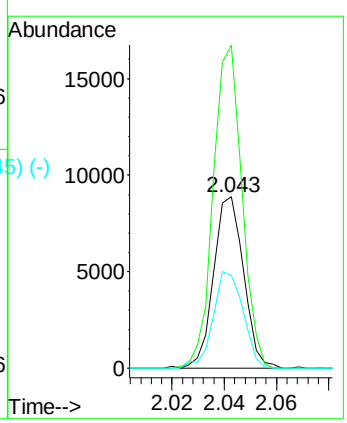




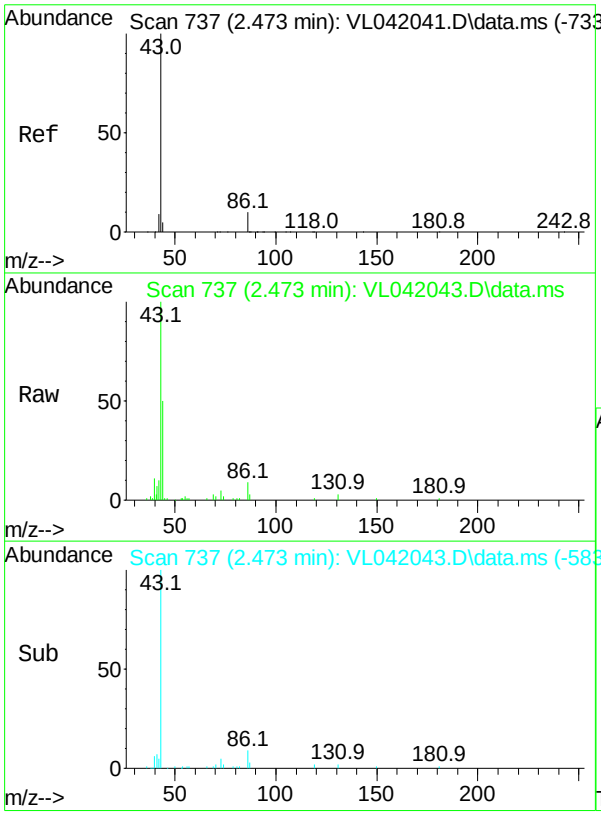
#22
trans-1,2-Dichloroethene
Concen: 0.624 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.308 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 7042

Ion	Ratio	Lower	Upper
96	100		
61	188.5	136.6	205.0
98	53.9	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

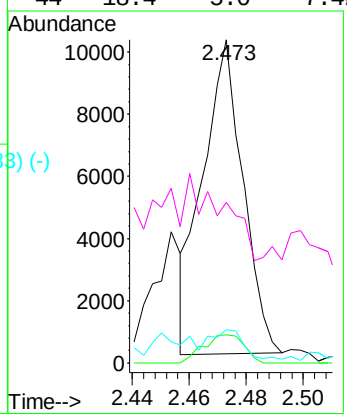


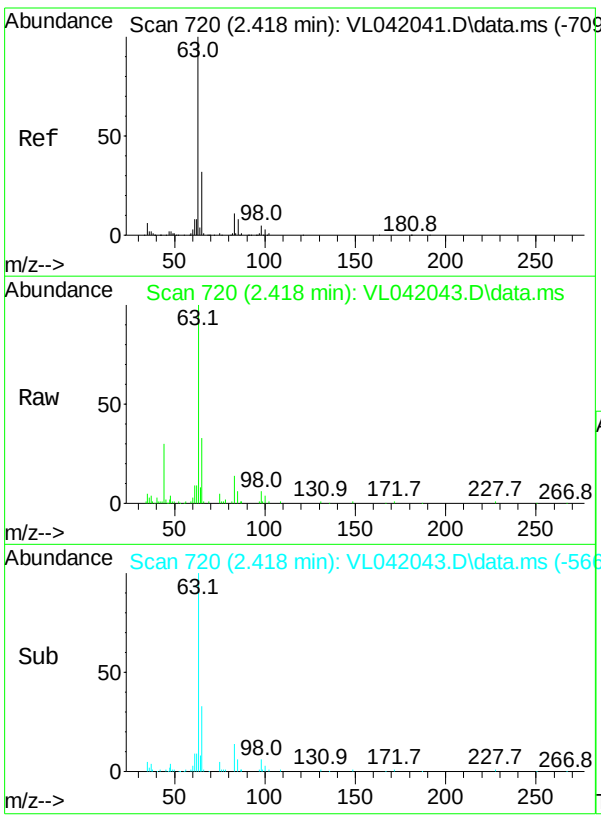
#23
Vinyl Acetate
Concen: 0.687 ppbv
RT: 2.473 min Scan#
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9893

Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.0	10.4
42	9.5	7.6	11.4
44	18.4	5.0	7.4#

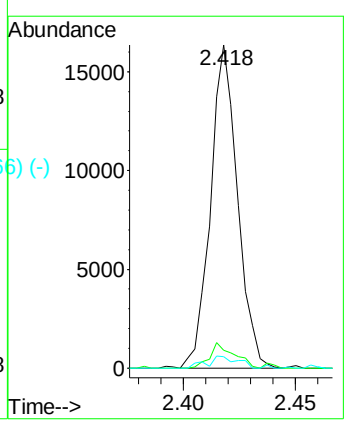


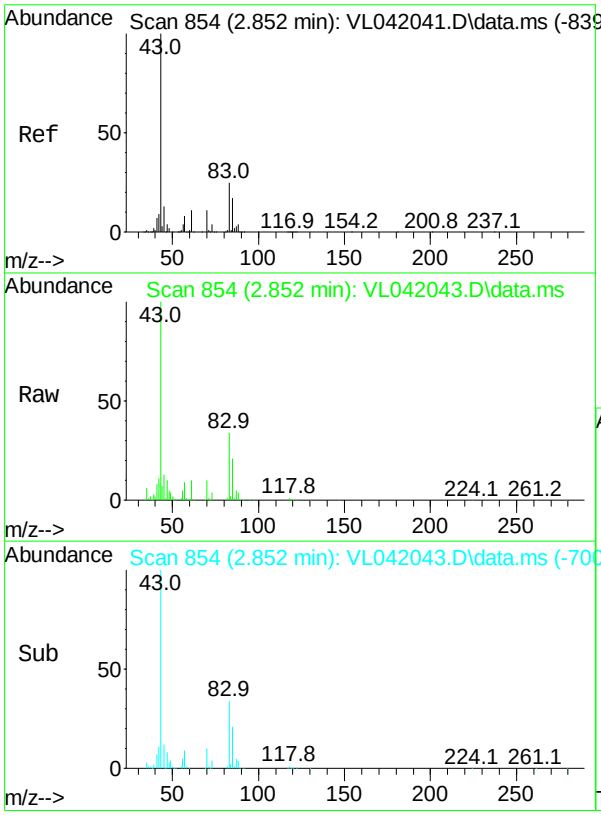


#24
1,1-Dichloroethane
Concen: 0.601 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 13783

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.4	7.2
100	3.6	1.7	5.0

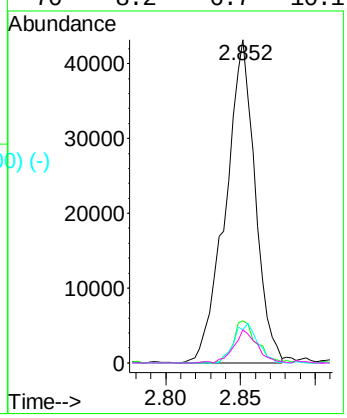


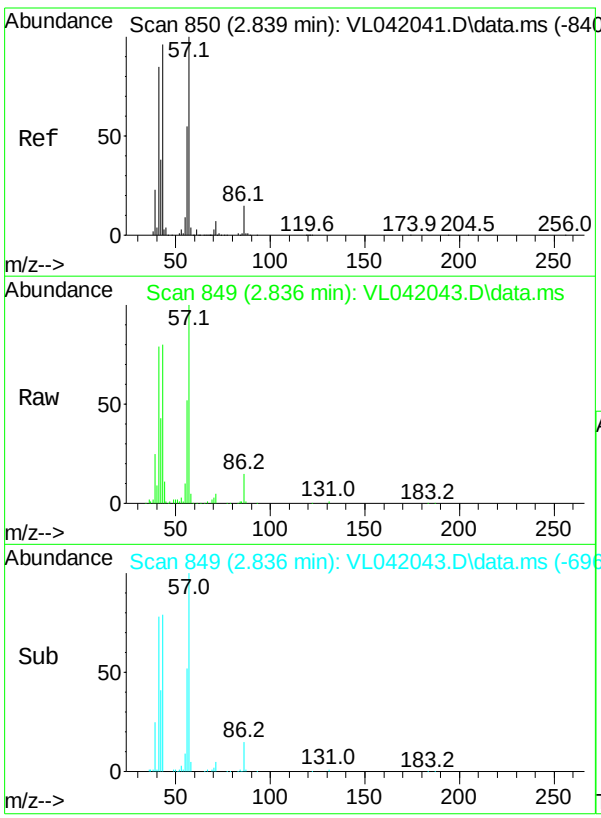


#25
Ethyl Acetate
Concen: 0.811 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 59183

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	9.7	7.2	10.8
70	8.2	6.7	10.1

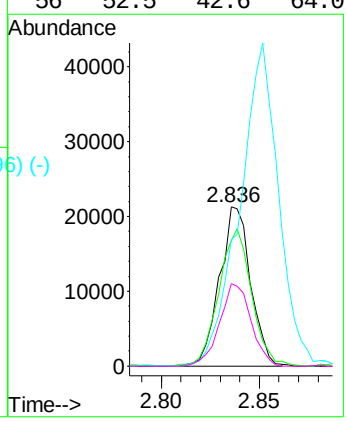




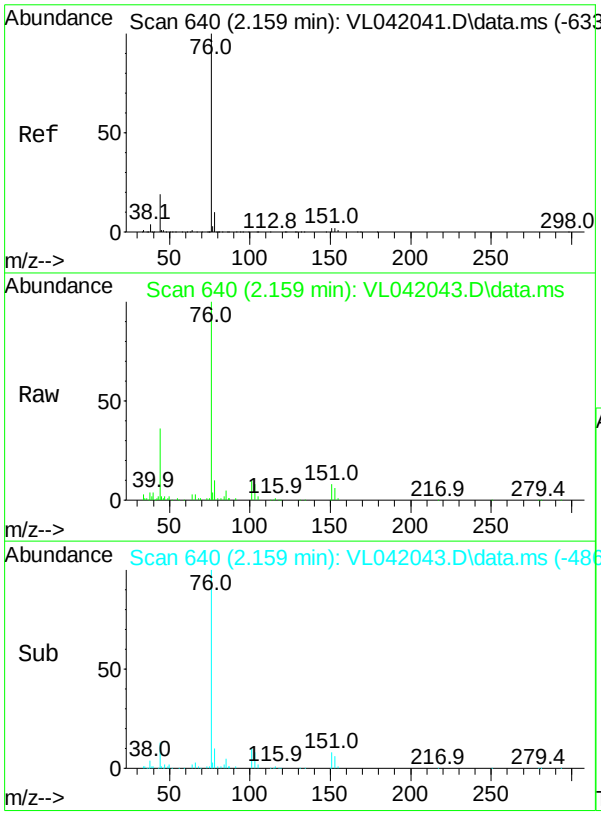
#26
Hexane
Concen: 0.804 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 57 Resp: 23549

Ion	Ratio	Lower	Upper
57	100		
41	92.1	70.6	106.0
43	256.7	199.4	299.0
56	52.5	42.6	64.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

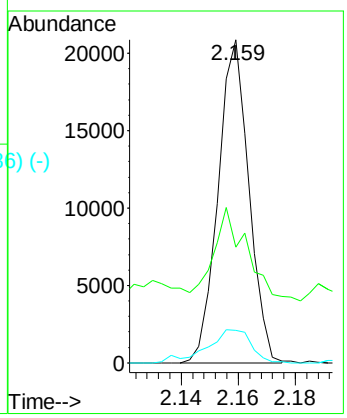


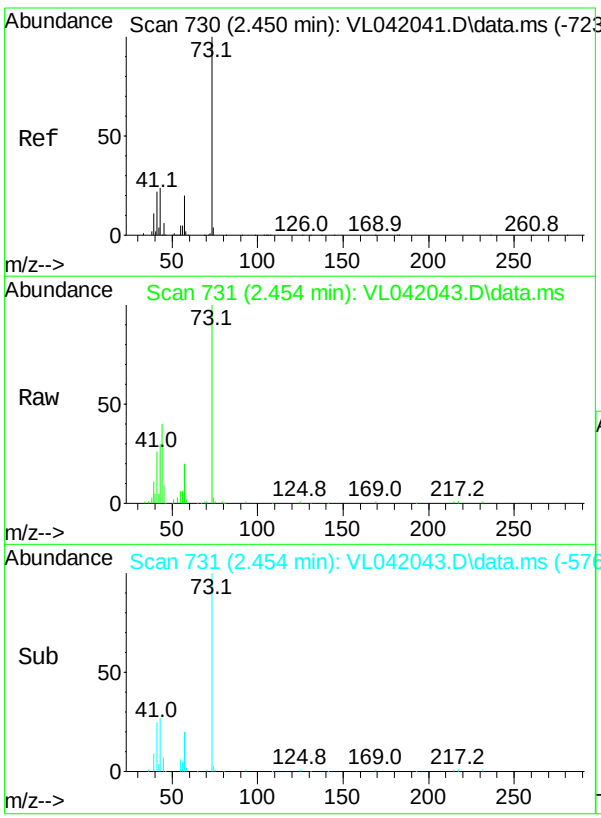
#27
Carbon Disulfide
Concen: 0.568 ppbv
RT: 2.159 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 15659

Ion	Ratio	Lower	Upper
76	100		
44	57.5	16.2	24.2#
78	14.7	9.4	14.0#

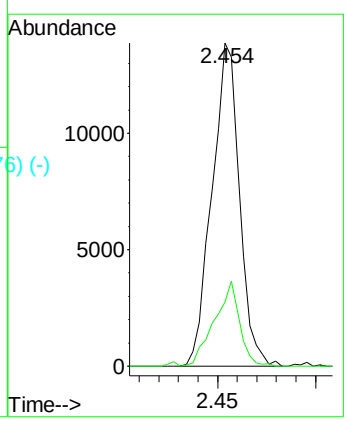


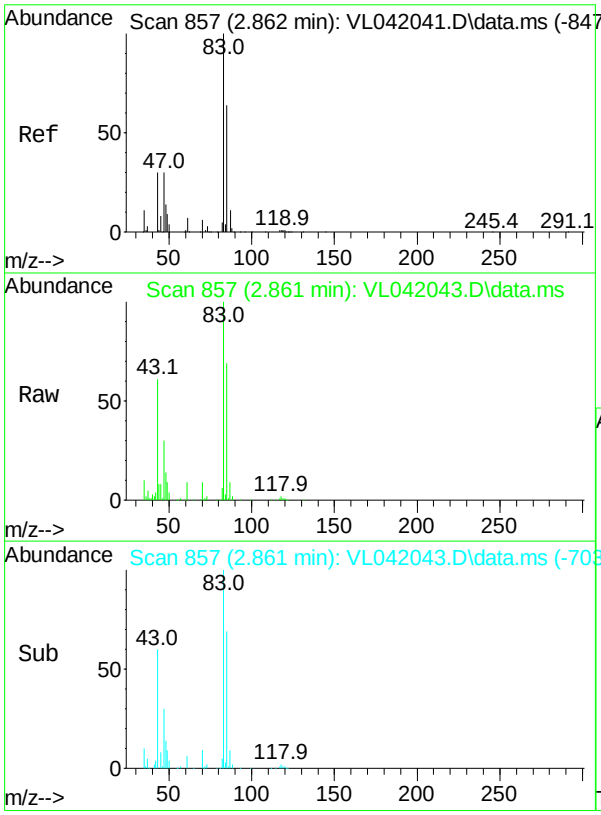


#28
Methyl tert-Butyl Ether
Concen: 0.759 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 73 Resp: 13593

Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5



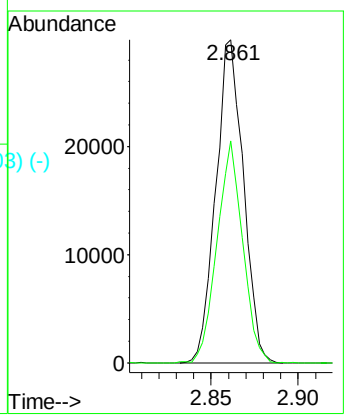


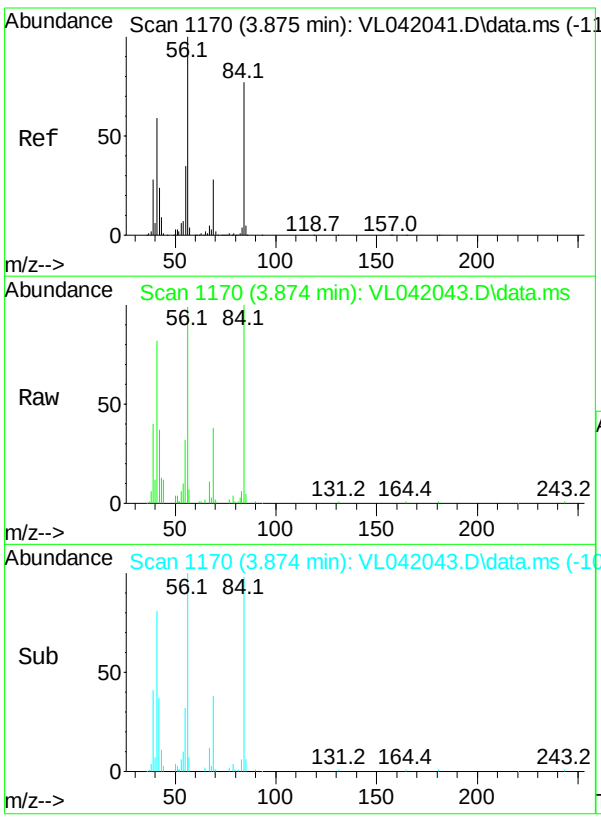
#29
Chloroform
Concen: 0.776 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 32925

Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.2	76.8

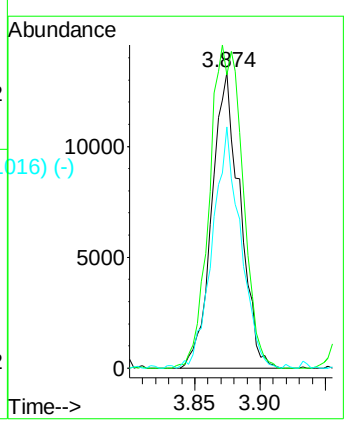


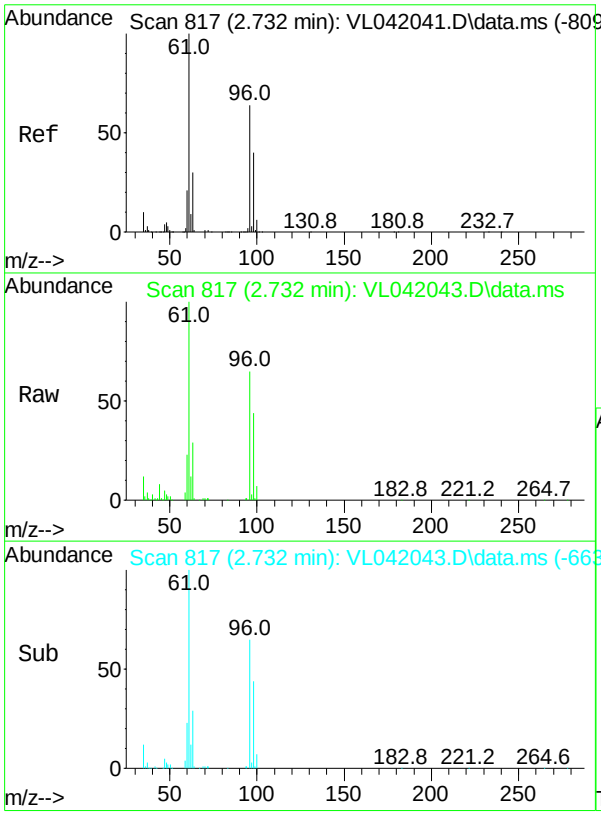


#30
Cyclohexane
Concen: 0.840 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 19953

Ion	Ratio	Lower	Upper
84	100		
56	129.3	101.5	152.3
41	82.1	62.6	93.8



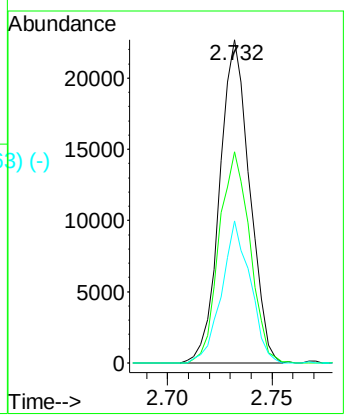


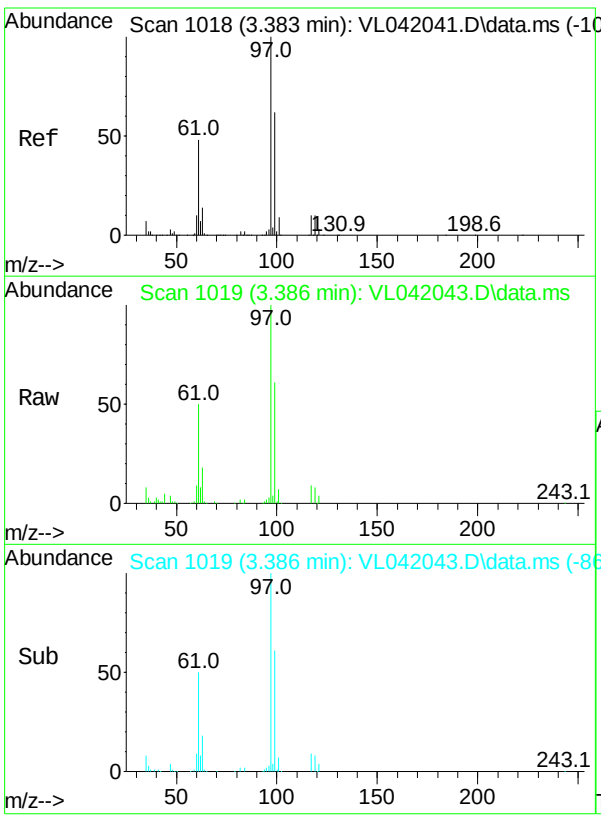
#31
cis-1,2-Dichloroethene
Concen: 0.780 ppbv
RT: 2.732 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 22565

Ion	Ratio	Lower	Upper
61	100		
96	65.3	51.5	77.3
98	43.9	32.0	48.0

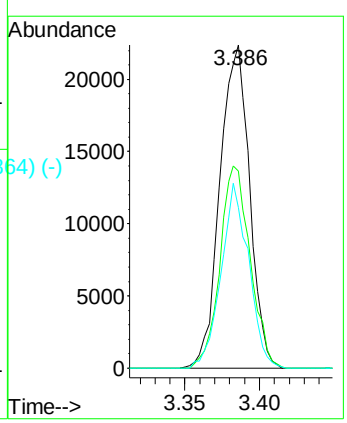


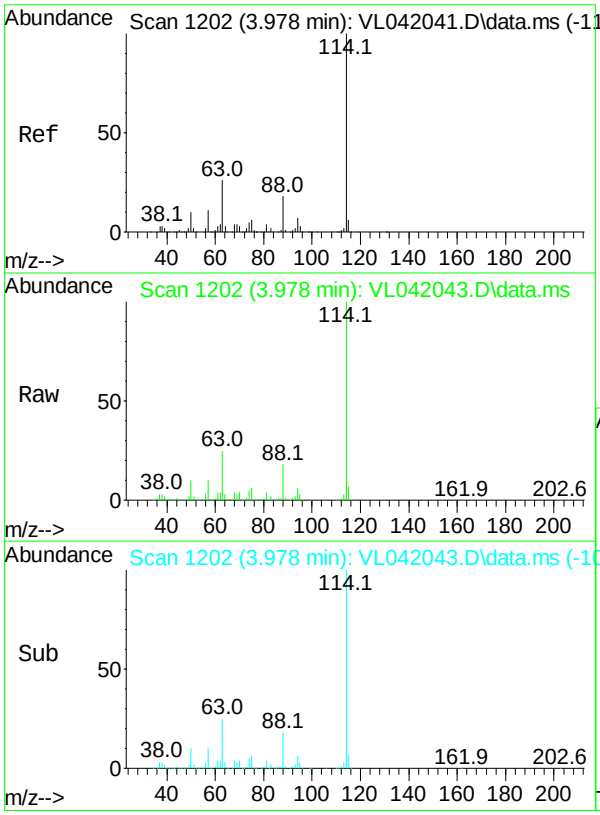


#32
1,1,1-Trichloroethane
Concen: 0.656 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 30870

Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.8	74.6
61	53.1	38.9	58.3



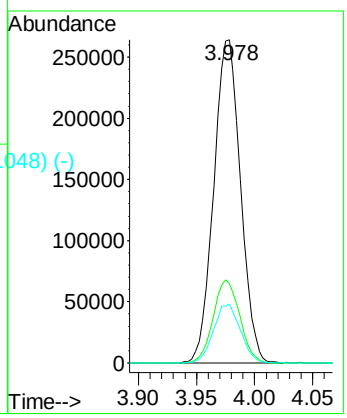


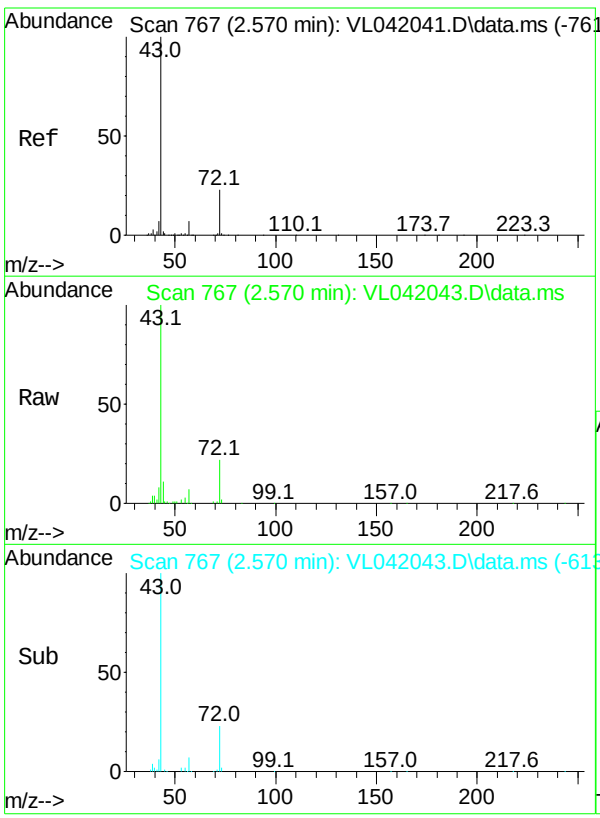
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 423363

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	18.2	14.3	21.5

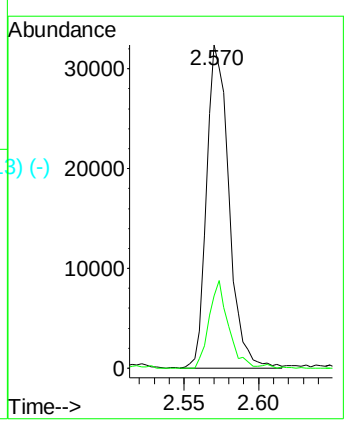


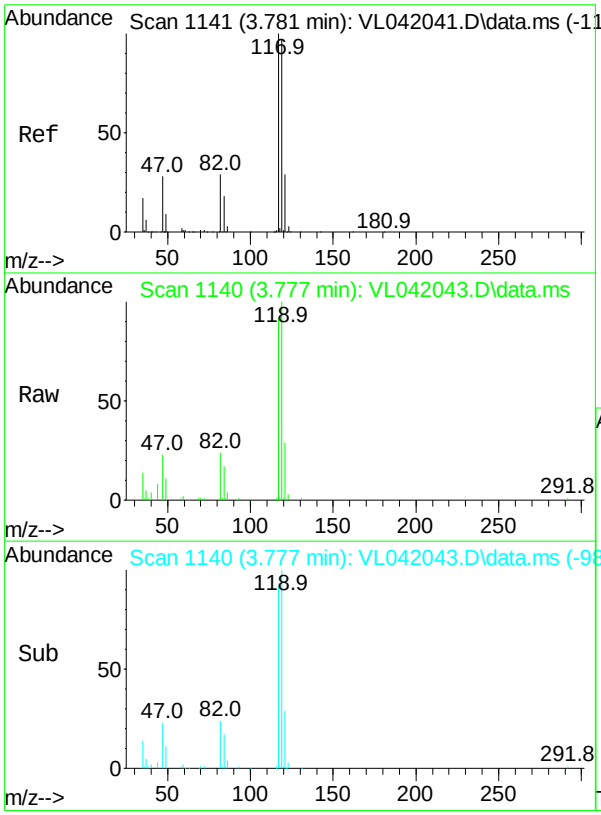


#34
2-Butanone
Concen: 0.929 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 33820

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.5	27.7



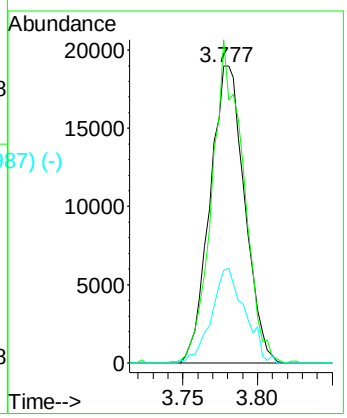


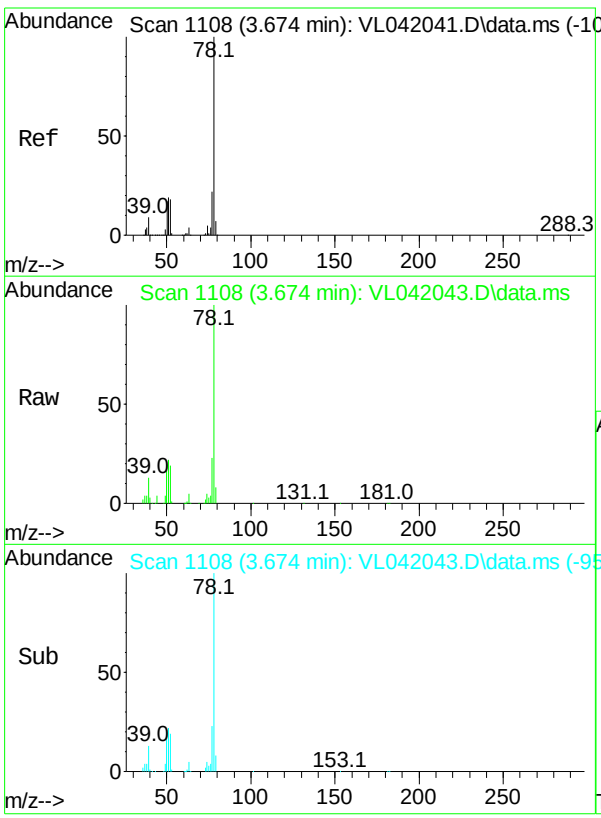
#85
Carbon Tetrachloride
Concen: 0.745 ppbv
RT: 3.777 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 30618

Ion	Ratio	Lower	Upper
117	100		
119	108.5	77.8	116.8
121	31.3	23.4	35.0

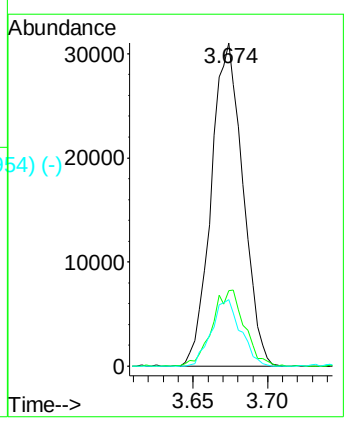


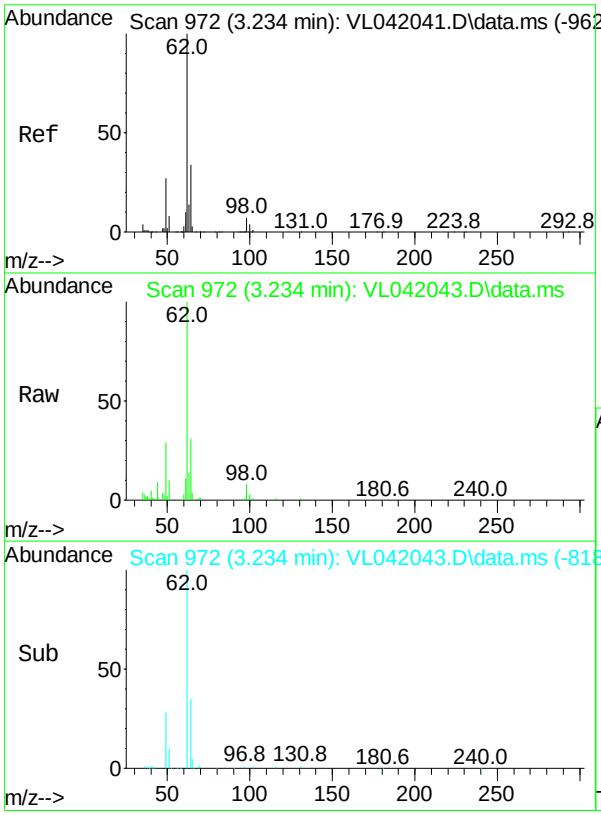


#36
Benzene
Concen: 0.895 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 78 Resp: 45892

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.7	26.5
50	20.5	13.9	20.9



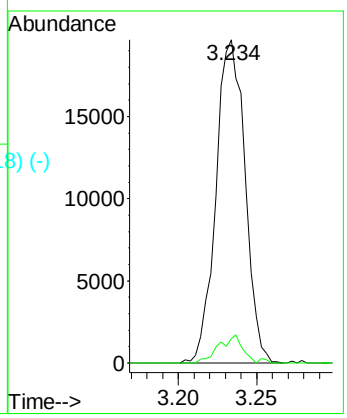


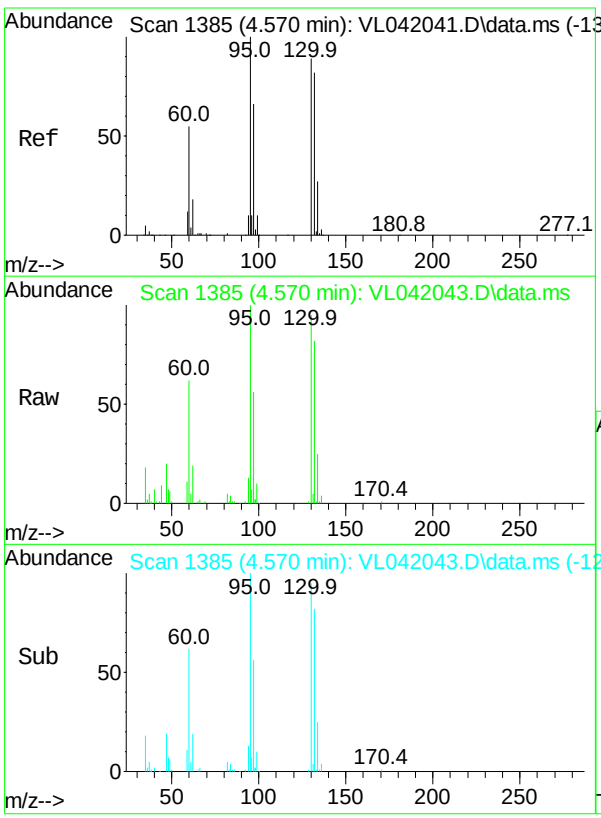
#37
1,2-Dichloroethane
Concen: 0.876 ppbv
RT: 3.234 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 25585

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.7	8.5

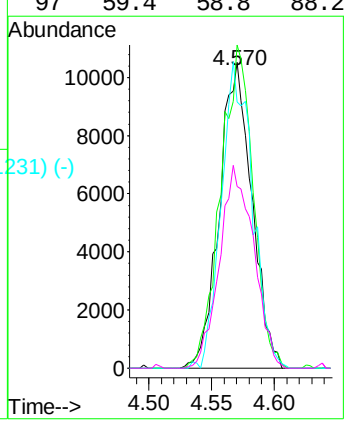


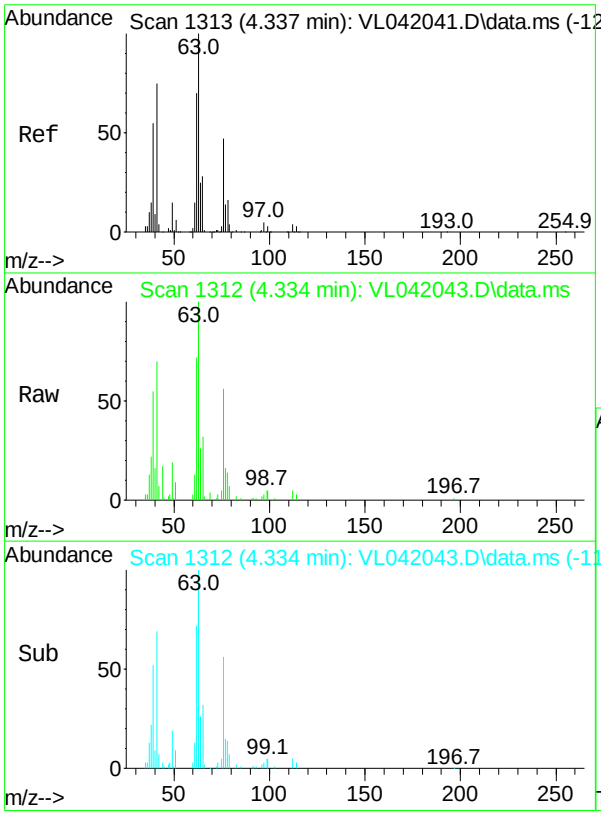


#38
Trichloroethene
Concen: 0.908 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:130 Resp: 18921

Ion	Ratio	Lower	Upper
130	100		
95	105.7	89.5	134.3
132	87.0	73.8	110.6
97	59.4	58.8	88.2



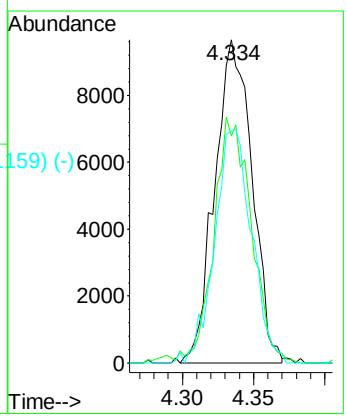


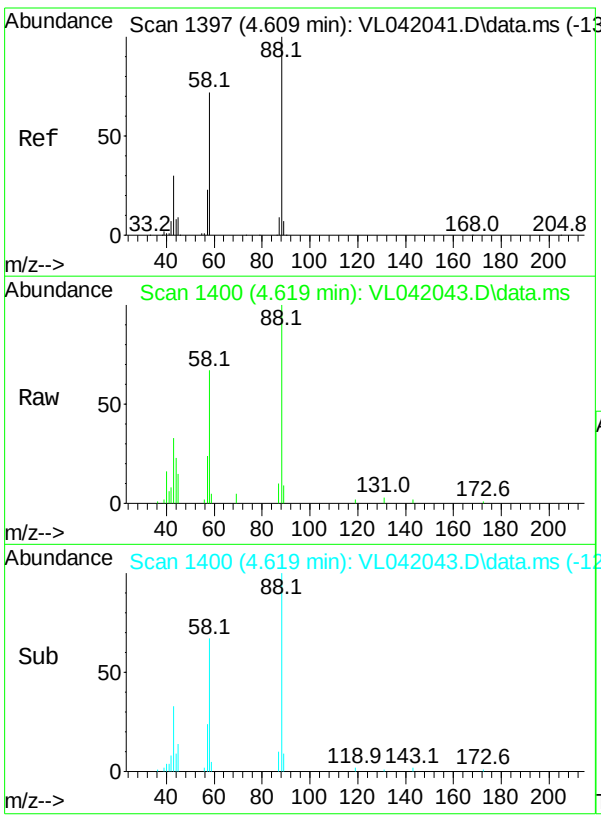
#89
1,2-Dichloropropane
Concen: 0.934 ppbv
RT: 4.334 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 17557

Ion	Ratio	Lower	Upper
63	100		
41	67.2	60.1	90.1
62	68.5	55.8	83.8

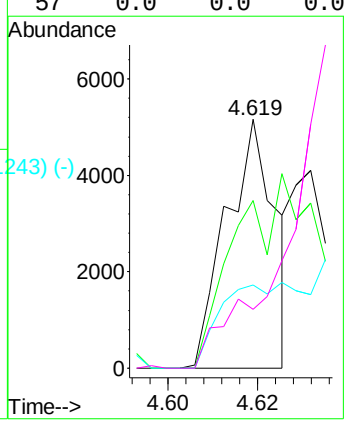


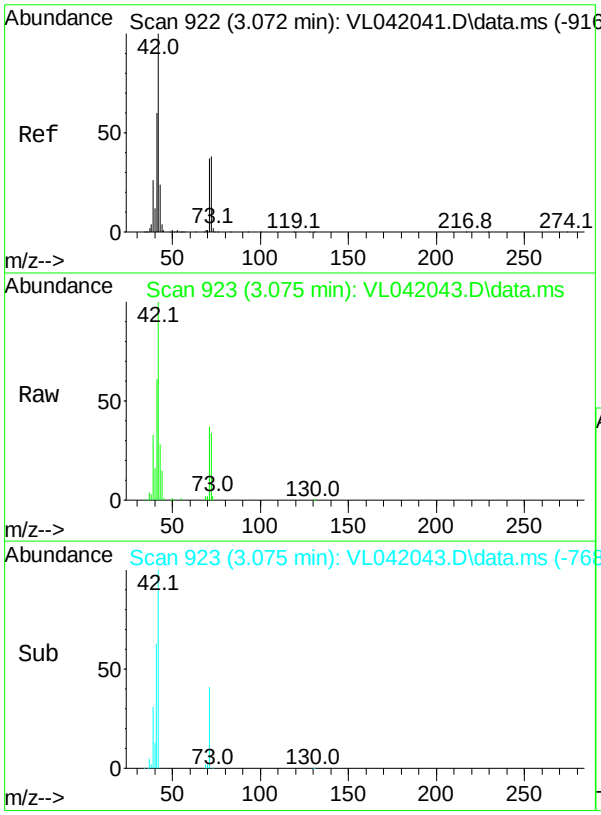


#90
1,4-Dioxane
Concen: 0.398 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 88 Resp: 3890

Ion	Ratio	Lower	Upper
88	100		
58	263.4	62.6	94.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

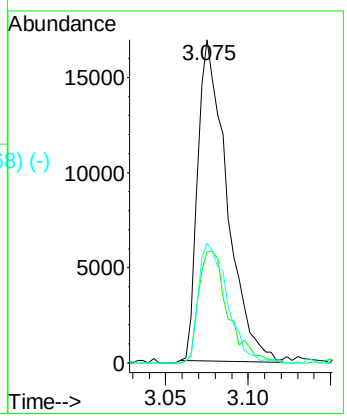




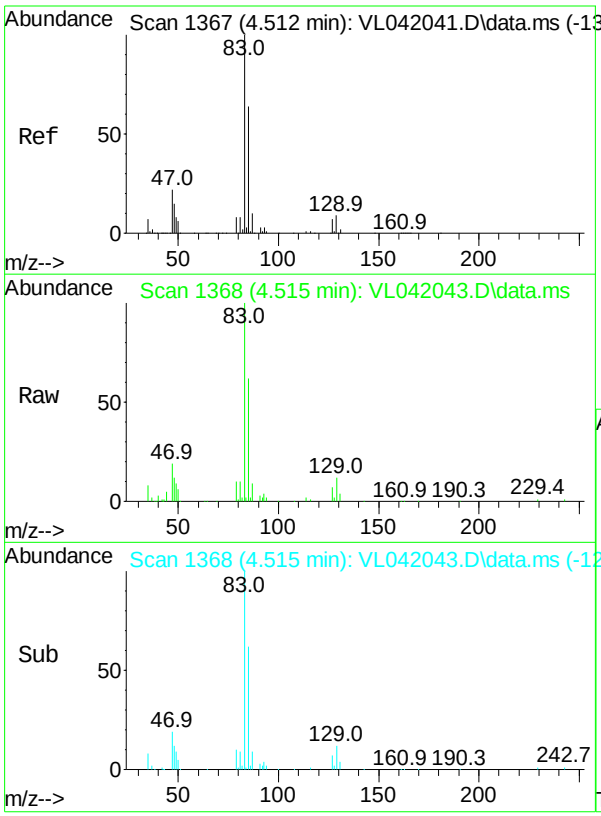
#41
Tetrahydrofuran
Concen: 1.000 ppbv
RT: 3.075 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 42 Resp: 20823

Ion	Ratio	Lower	Upper
42	100		
72	35.0	30.2	45.2
71	37.3	28.2	42.4



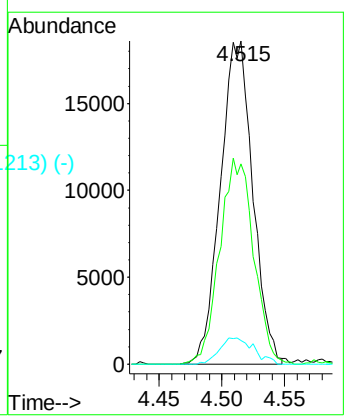
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

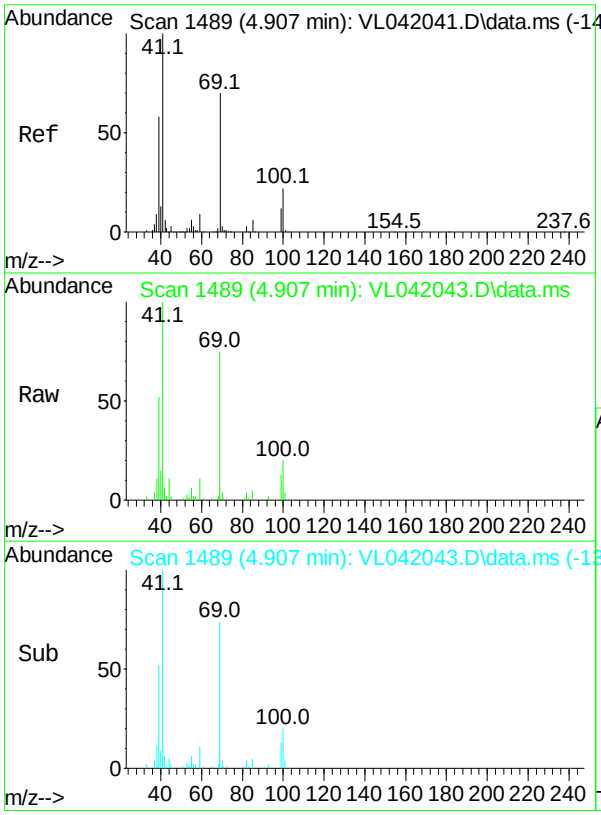


#42
Bromodichloromethane
Concen: 0.847 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 83 Resp: 33481

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2
127	7.4	5.8	8.6



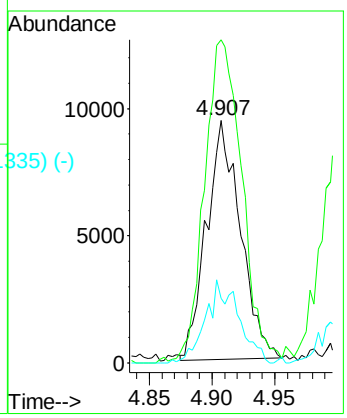


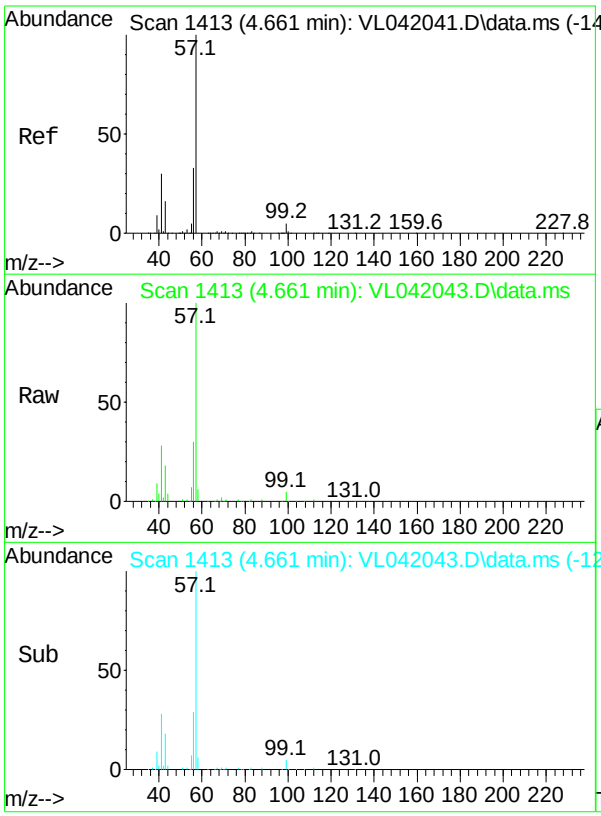
#43
Methyl Methacrylate
Concen: 0.756 ppbv
RT: 4.907 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 17679

Ion	Ratio	Lower	Upper
69	100		
41	148.9	118.2	177.4
100	34.0	27.0	40.4

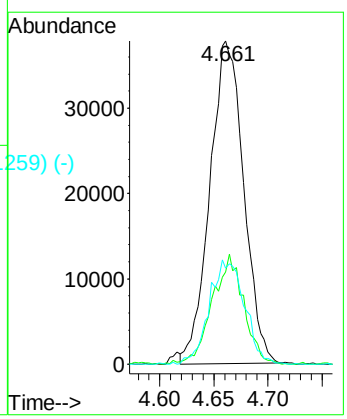


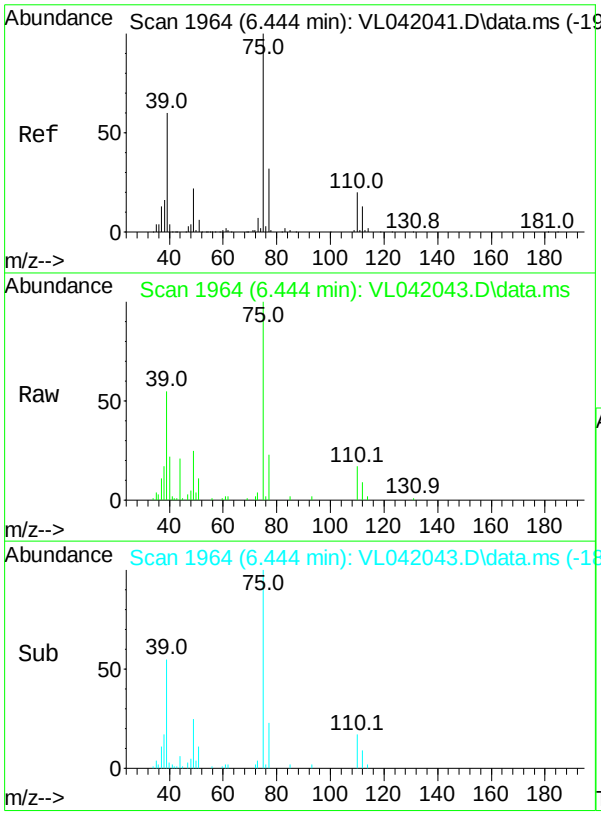


#44
2,2,4-Trimethylpentane
Concen: 0.941 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 57 Resp: 81921

Ion	Ratio	Lower	Upper
57	100		
41	31.8	24.4	36.6
56	33.7	26.5	39.7



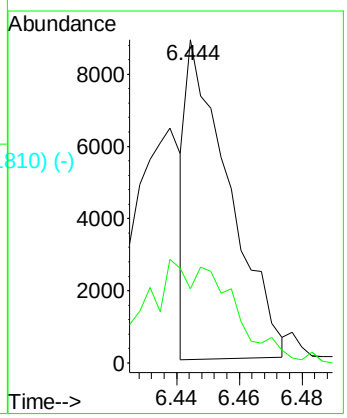


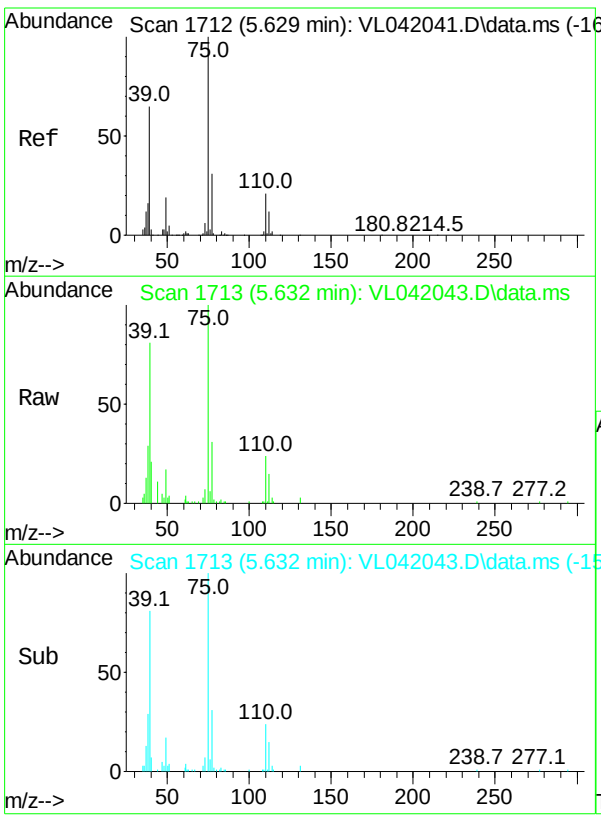
#45
t-1,3-Dichloropropene
Concen: 0.376 ppbv
RT: 6.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 8303

Ion	Ratio	Lower	Upper
75	100		
77	22.9	25.9	38.9#

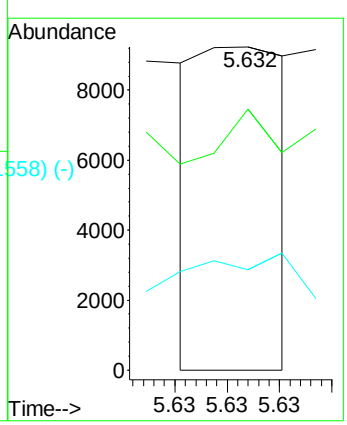


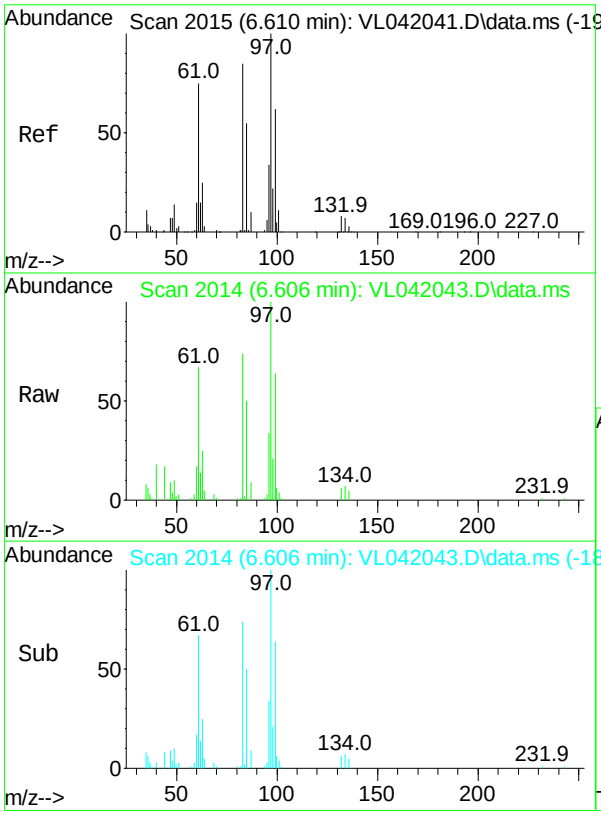


#46
cis-1,3-Dichloropropene
Concen: 0.190 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 5320

Ion	Ratio	Lower	Upper
75	100		
39	348.6	51.9	77.9#
77	12.4	24.9	37.3#



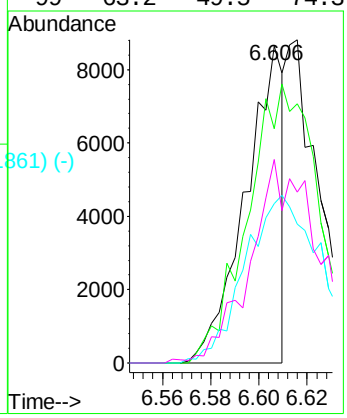


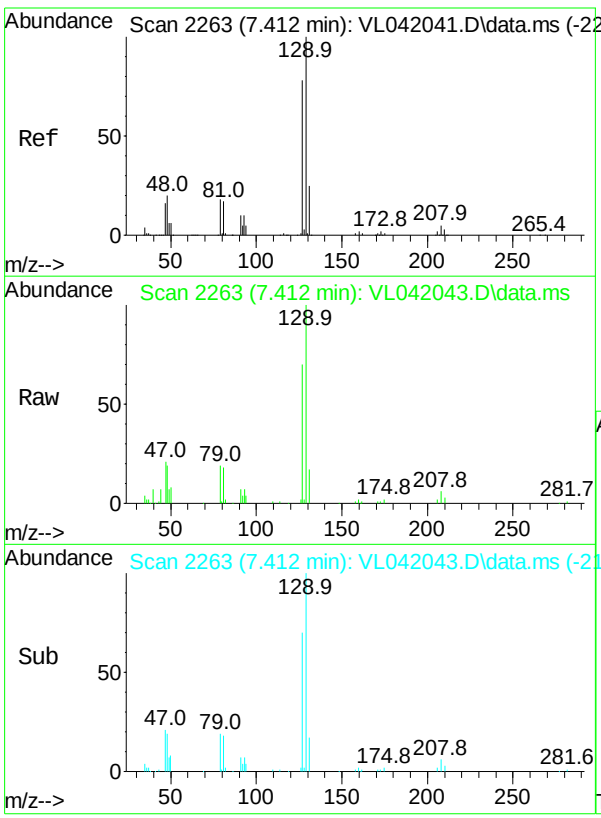
#47
1,1,2-Trichloroethane
Concen: 0.476 ppbv
RT: 6.606 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 9420

Ion	Ratio	Lower	Upper
97	100		
83	73.9	68.1	102.1
85	50.2	44.0	66.0
99	63.2	49.5	74.3

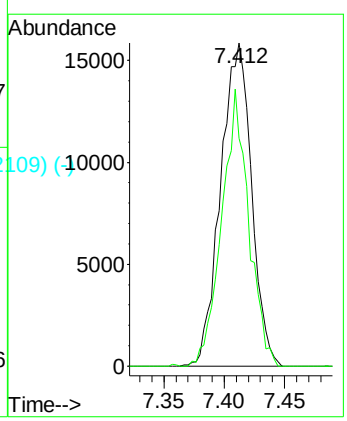


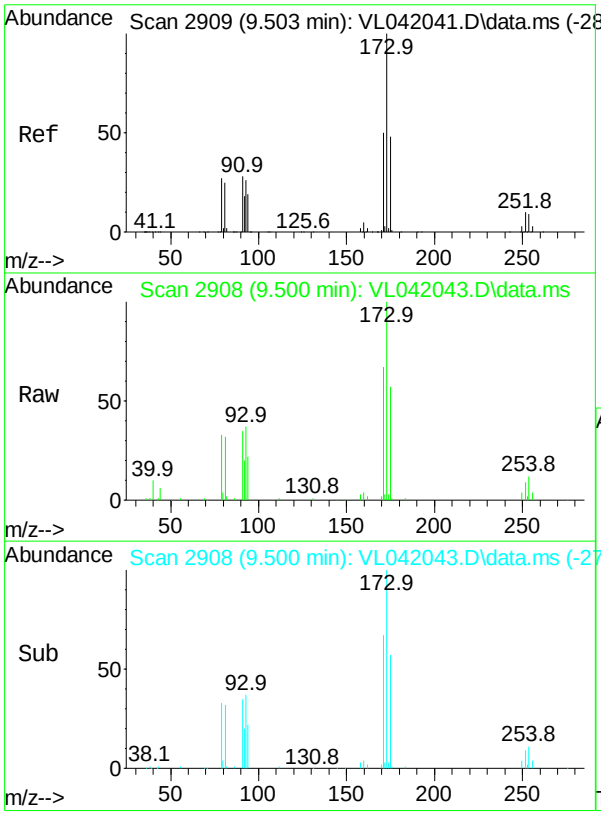


#48
Dibromochloromethane
Concen: 0.852 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:129 Resp: 28239

Ion	Ratio	Lower	Upper
129	100		
127	74.7	38.6	115.8

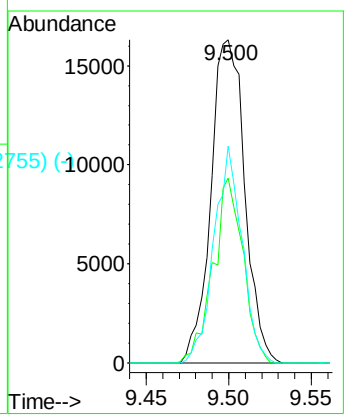




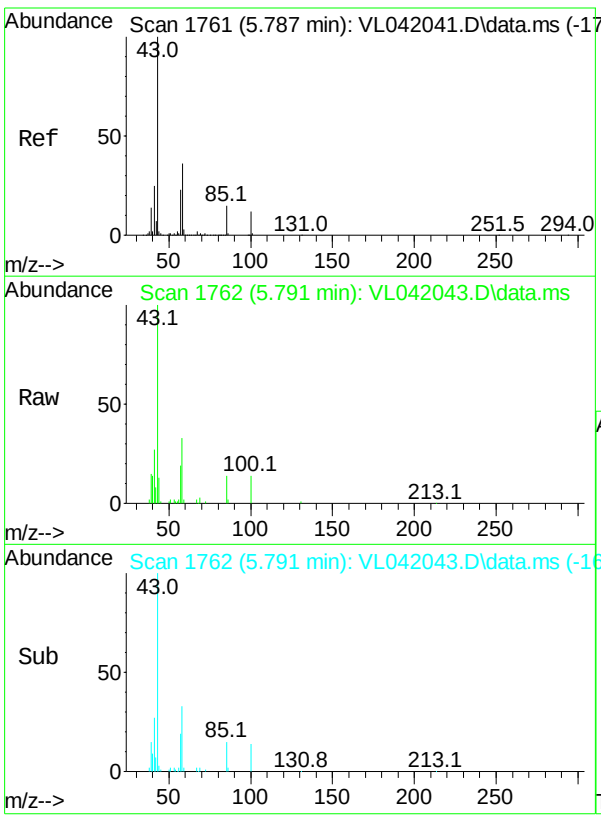
#49
Bromoform
Concen: 0.858 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:173 Resp: 23310

Ion	Ratio	Lower	Upper
173	100		
175	50.5	38.3	57.5
171	55.5	40.2	60.2



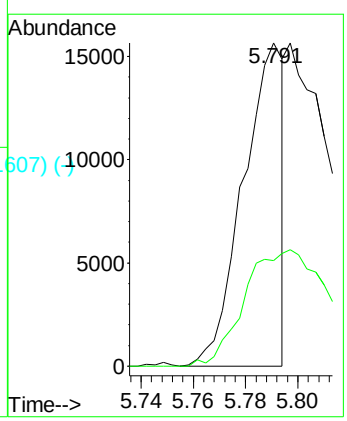
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

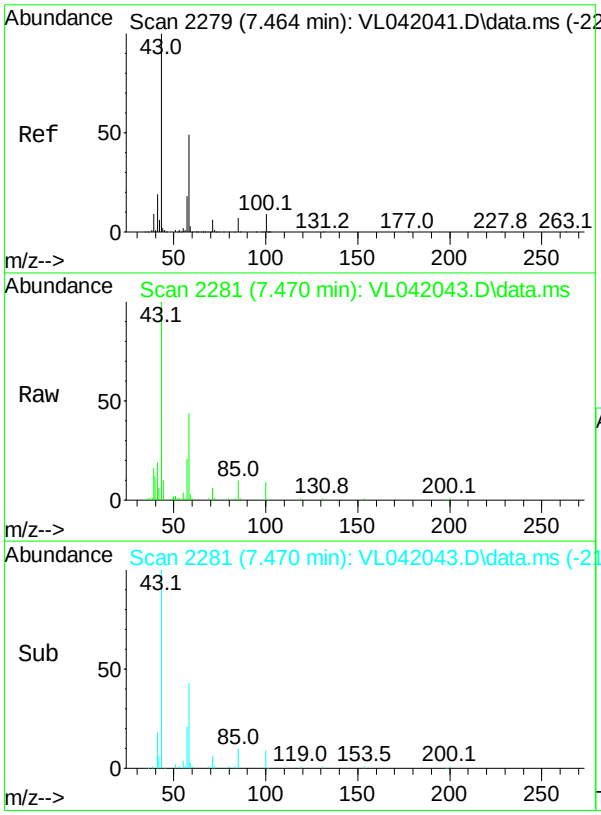


#50
4-Methyl-2-Pentanone
Concen: 0.298 ppbv
RT: 5.791 min Scan# 1762
Delta R.T. 0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 16703

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#

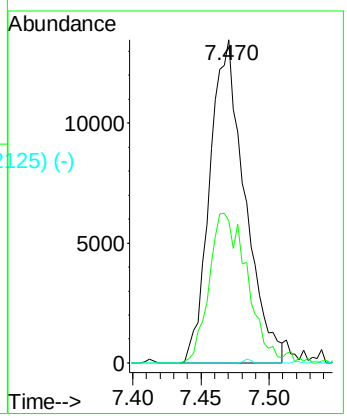


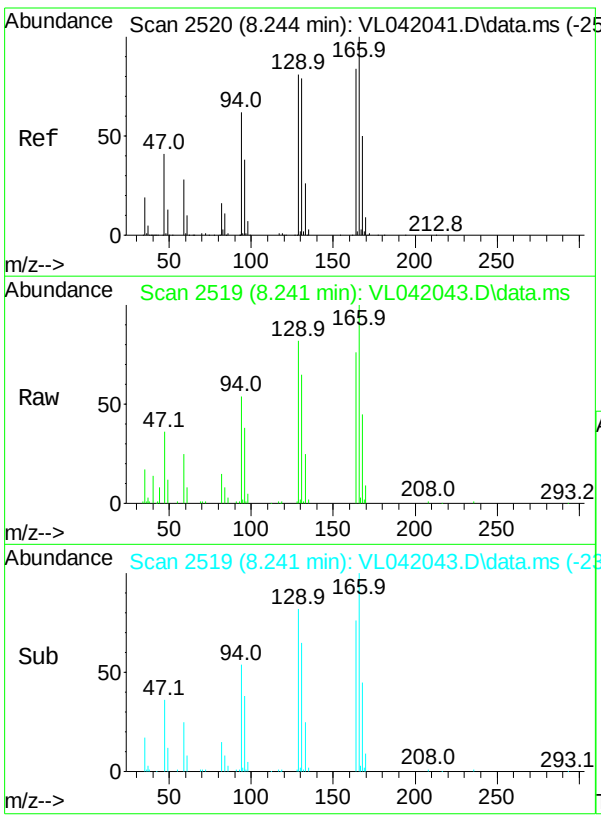


#51
2-Hexanone
Concen: 0.527 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 24117

Ion	Ratio	Lower	Upper
43	100		
58	51.0	39.0	58.6
98	0.3	0.1	0.1#

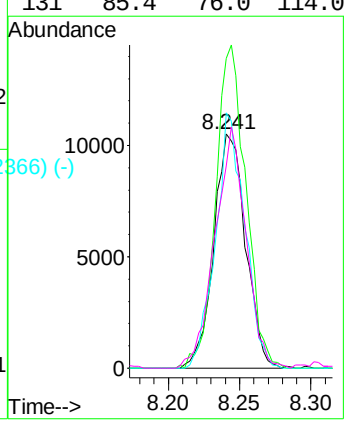




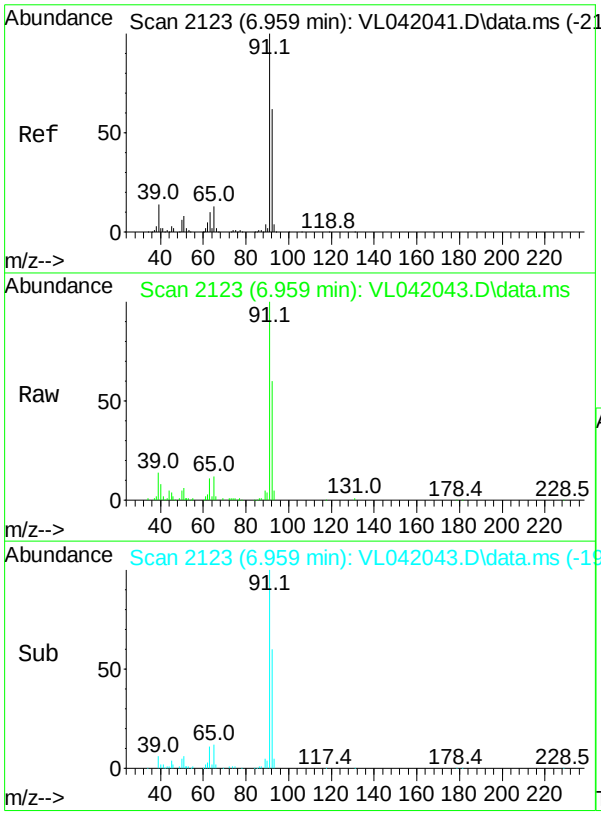
#52
Tetrachloroethene
Concen: 0.907 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 16217

Ion	Ratio	Lower	Upper
164	100		
166	131.2	95.7	143.5
129	109.1	77.1	115.7
131	85.4	76.0	114.0



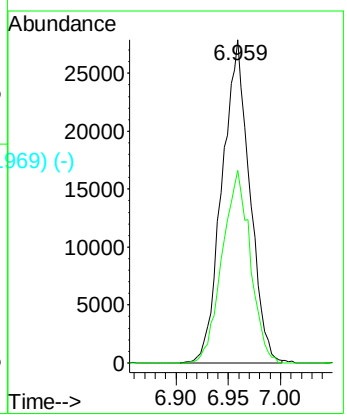
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



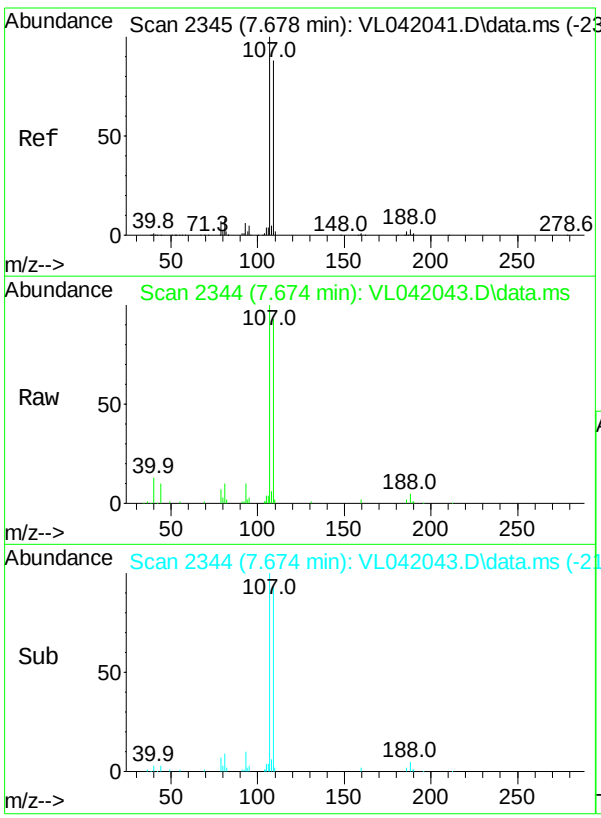
#53
Toluene
Concen: 0.838 ppbv
RT: 6.959 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 51231

Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.0	73.6



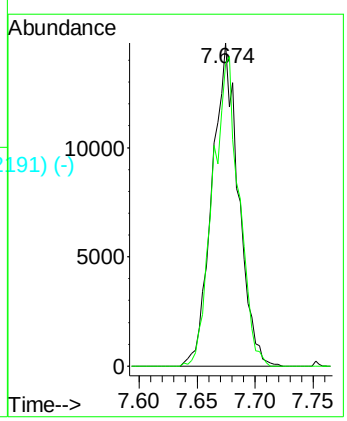
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

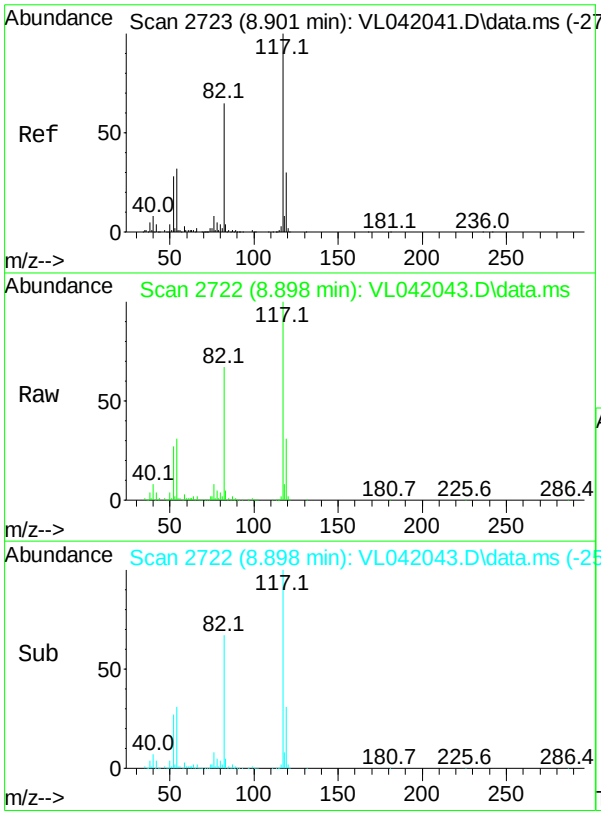


#54
1,2-Dibromoethane
Concen: 0.860 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:107 Resp: 23427

Ion	Ratio	Lower	Upper
107	100		
109	93.5	70.2	105.4



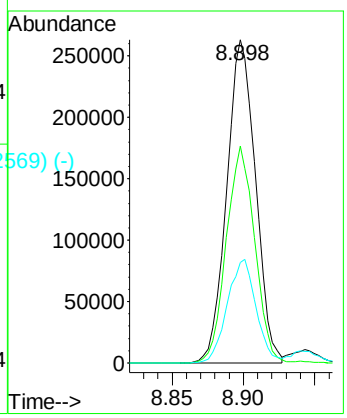


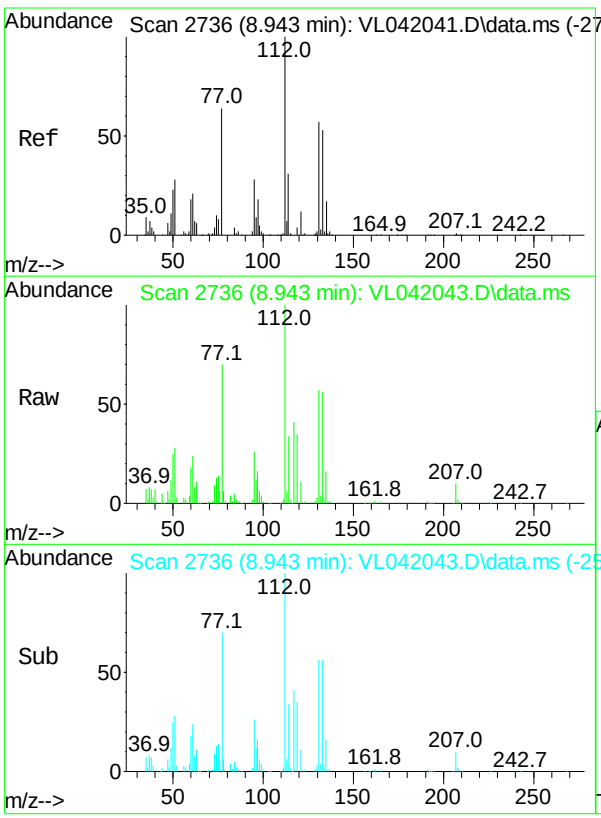
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 369917

Ion	Ratio	Lower	Upper
117	100		
82	66.5	55.0	82.6
119	32.5	25.9	38.9

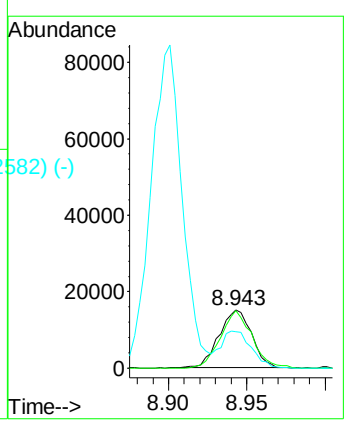


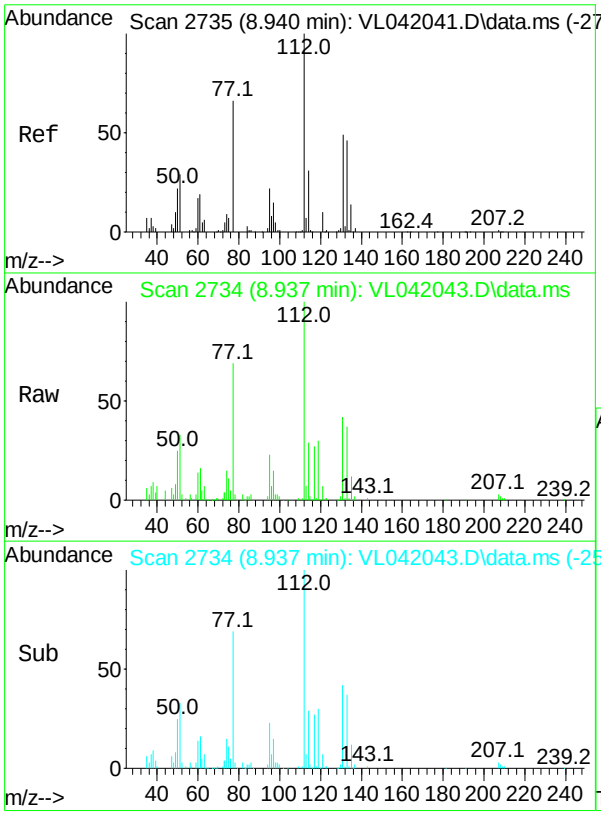


#56
1,1,1,2-Tetrachloroethane
Concen: 0.833 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:131 Resp: 22060

Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.8	113.8
119	60.4	52.1	78.1

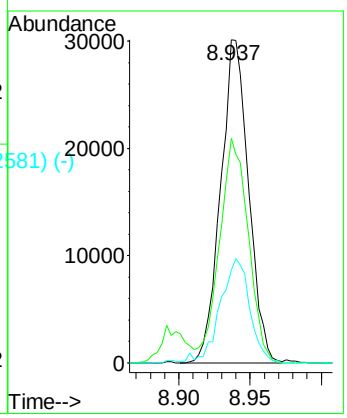


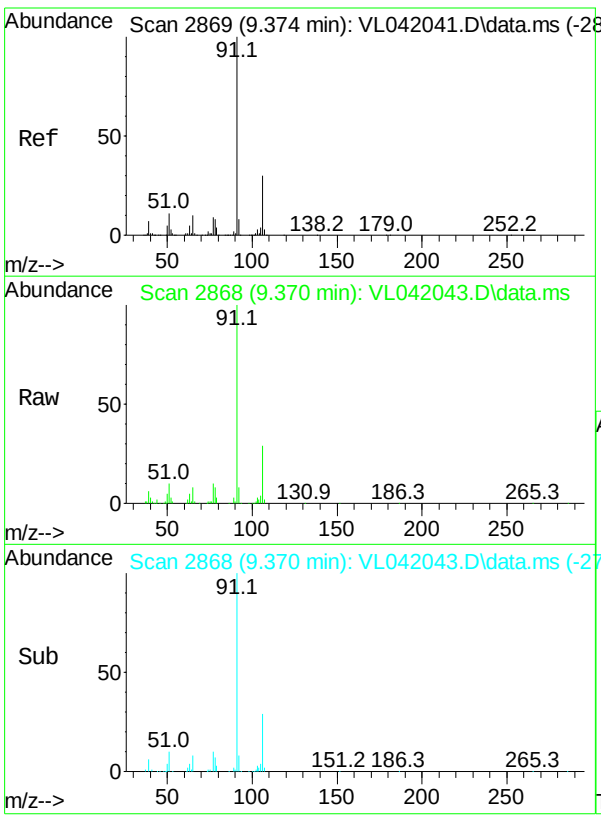


#57
Chlorobenzene
Concen: 0.946 ppbv
RT: 8.937 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:112 Resp: 41173

Ion	Ratio	Lower	Upper
112	100		
77	69.5	53.4	80.2
114	28.7	28.3	34.5

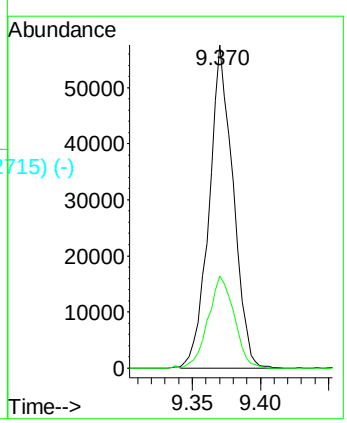




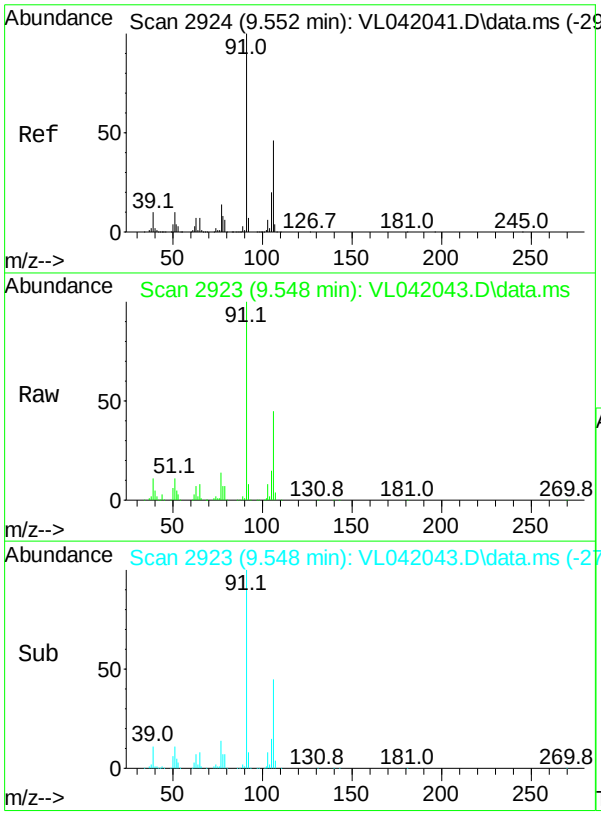
#58
Ethyl Benzene
Concen: 0.871 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 70507

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.2	36.2



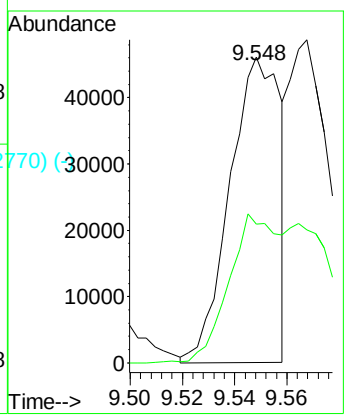
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



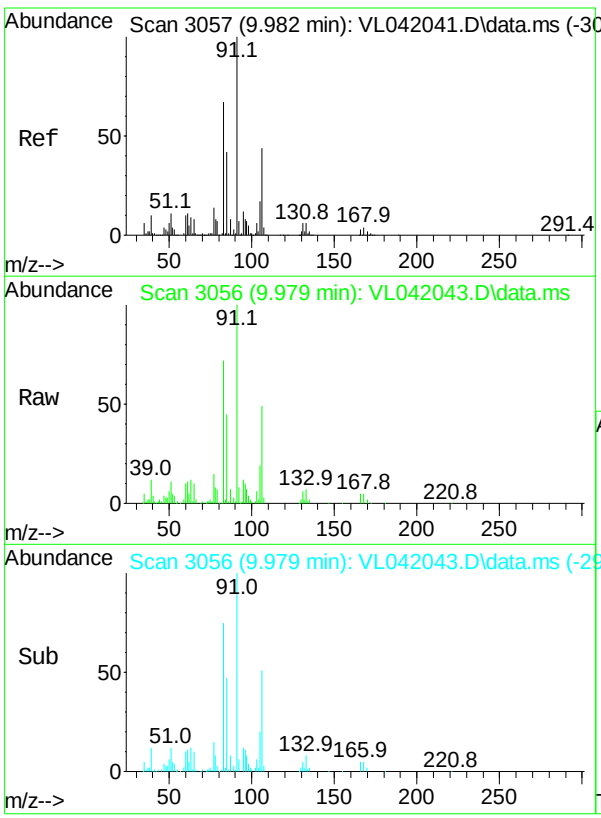
#59
m/p-Xylene
Concen: 0.965 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 61567

Ion	Ratio	Lower	Upper
91	100		
106	88.7	0.0	0.0#



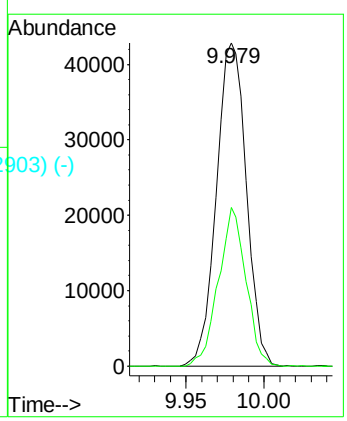
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

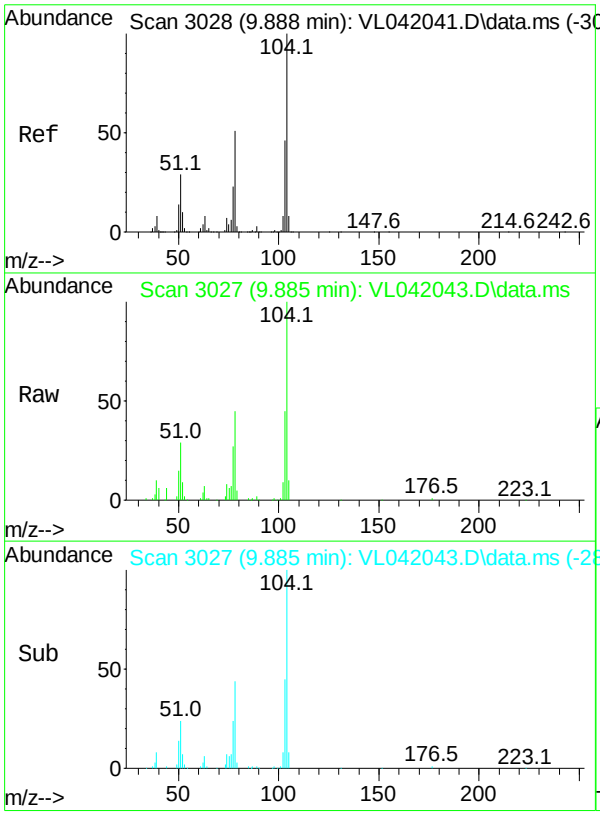


#60
o-Xylene
Concen: 0.889 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 57322

Ion	Ratio	Lower	Upper
91	100		
106	45.2	22.3	66.8

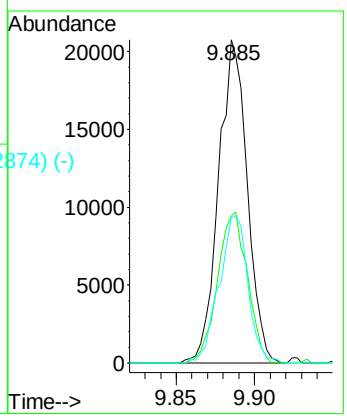


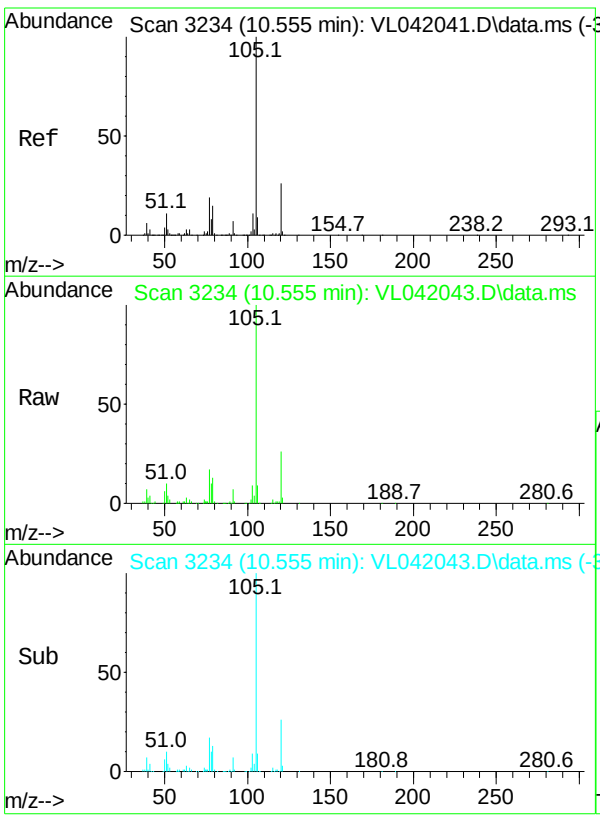


#61
Styrene
Concen: 0.865 ppbv
RT: 9.885 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:104 Resp: 26596

Ion	Ratio	Lower	Upper
104	100		
78	48.6	41.0	61.4
103	45.9	37.0	55.6

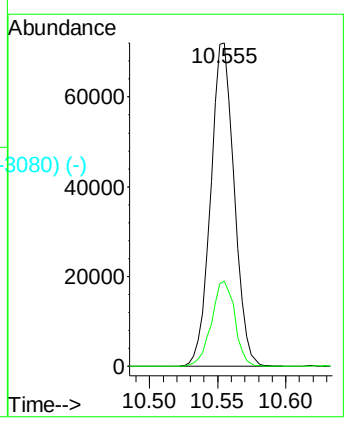




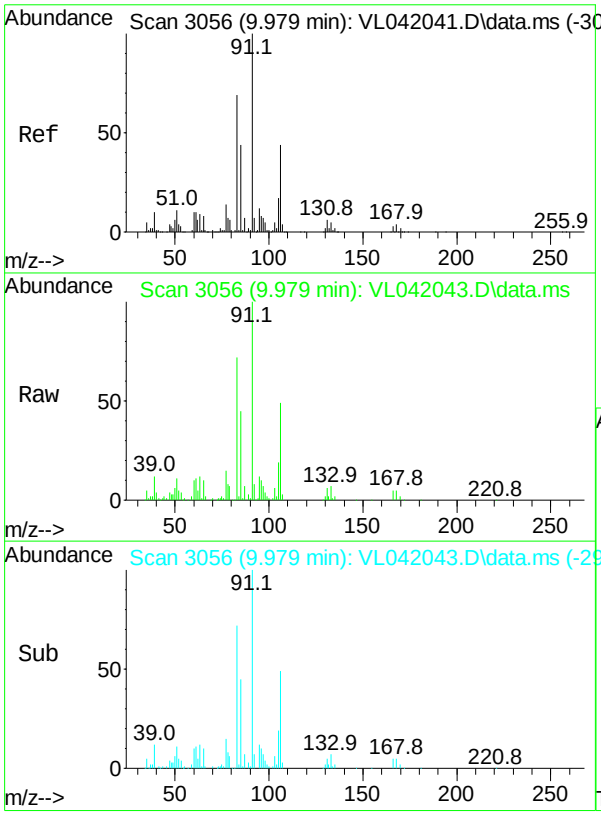
#62
Isopropylbenzene
Concen: 0.894 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 86533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

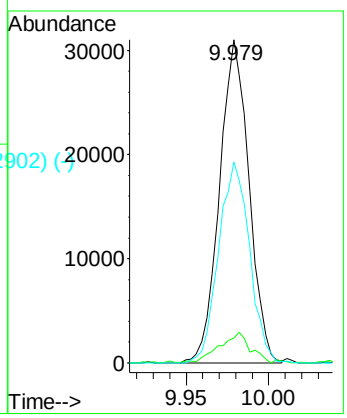


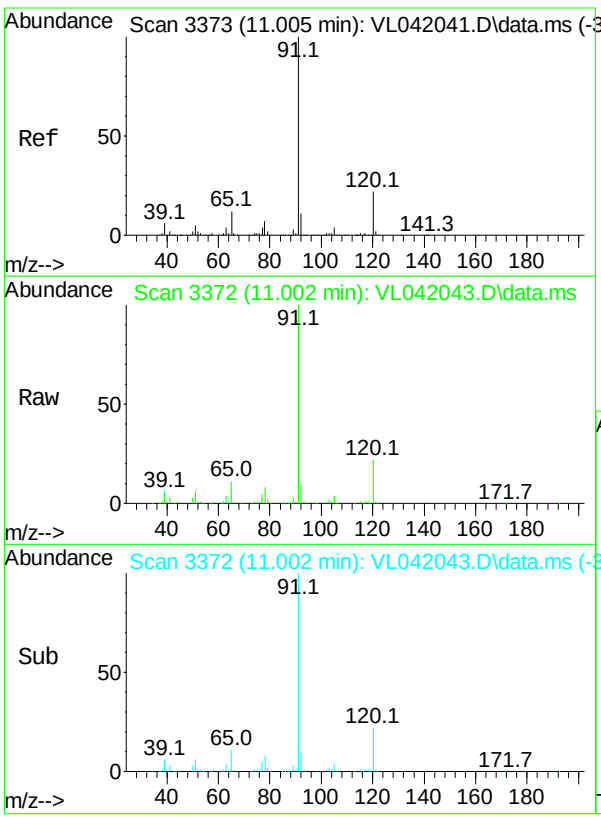
#63
1,1,2,2-Tetrachloroethar
Concen: 0.926 ppbv
RT: 9.979 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 38520

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.5	13.7
85	65.2	32.1	96.3

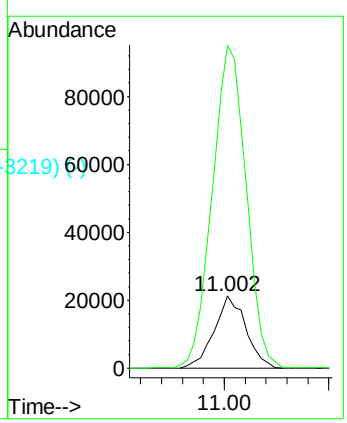




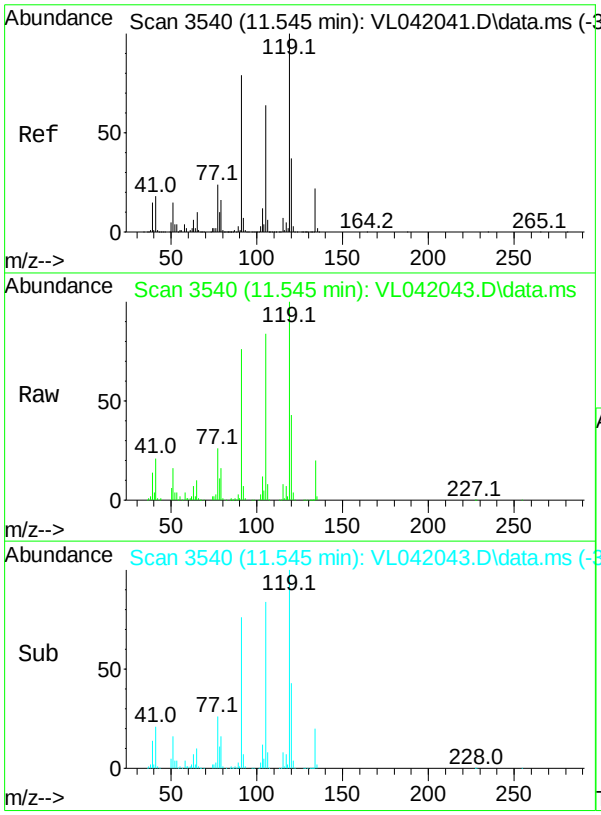
#64
n-propylbenzene
Concen: 0.944 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:120 Resp: 22456

Ion	Ratio	Lower	Upper
120	100		
91	478.3	370.6	556.0



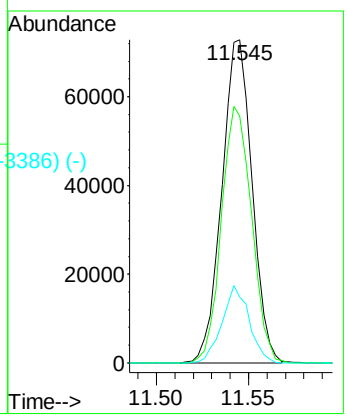
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

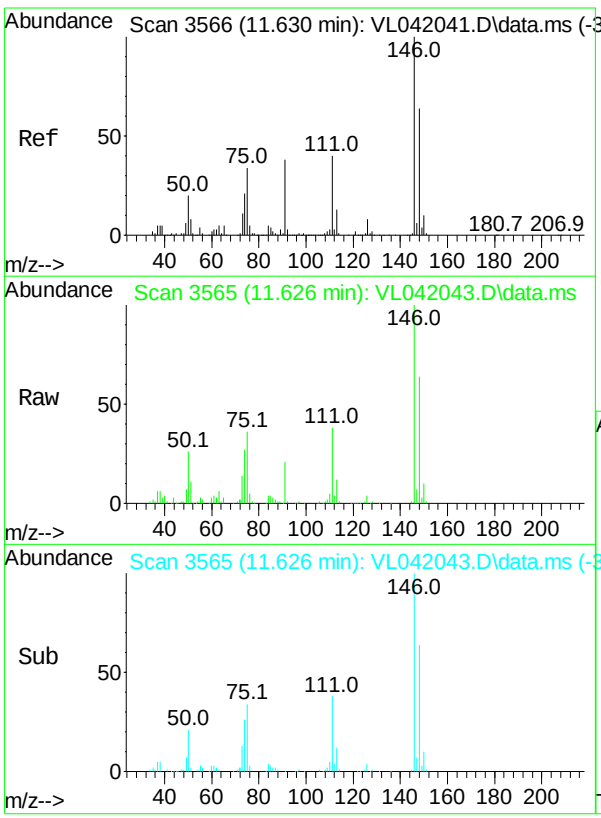


#65
tert-Butylbenzene
Concen: 0.987 ppbv
RT: 11.545 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 83284

Ion	Ratio	Lower	Upper
119	100		
91	79.2	64.2	96.2
134	21.5	17.4	26.2

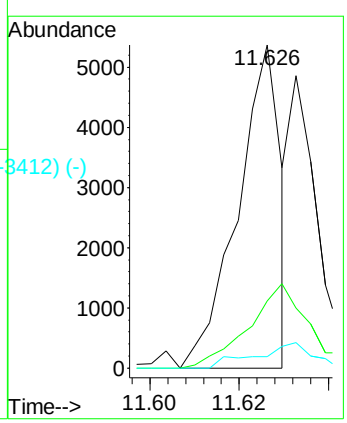


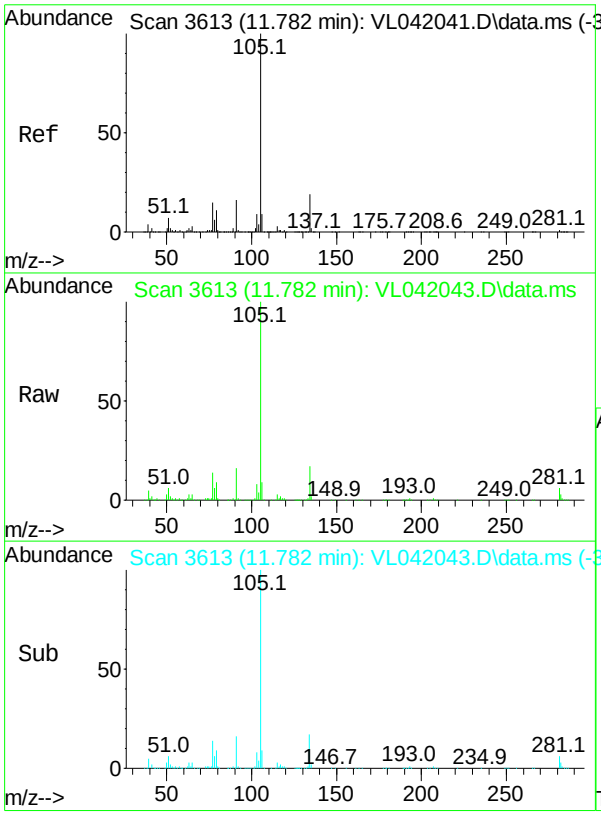


#66
Benzyl Chloride
Concen: 0.424 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 3586

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.5	21.7#
128	0.0	5.4	8.2#

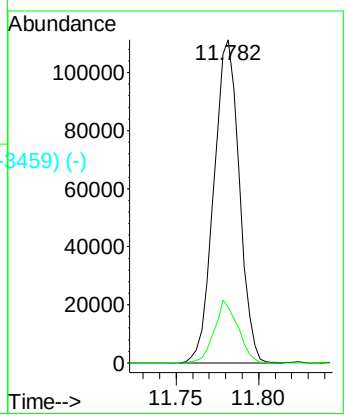




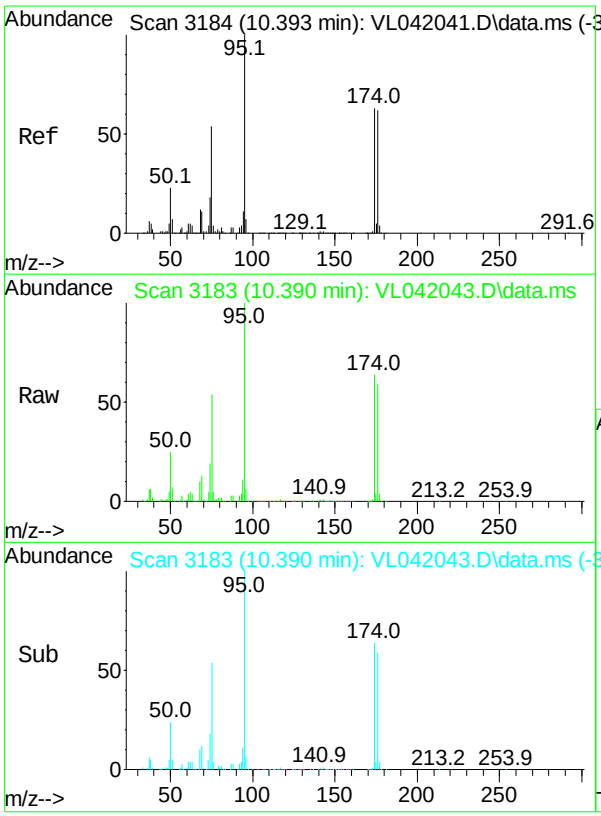
#67
sec-Butylbenzene
Concen: 1.007 ppbv
RT: 11.782 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 119435

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.9	22.3



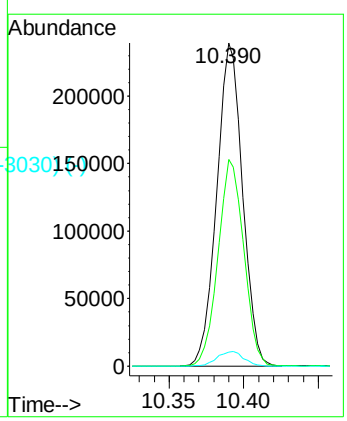
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

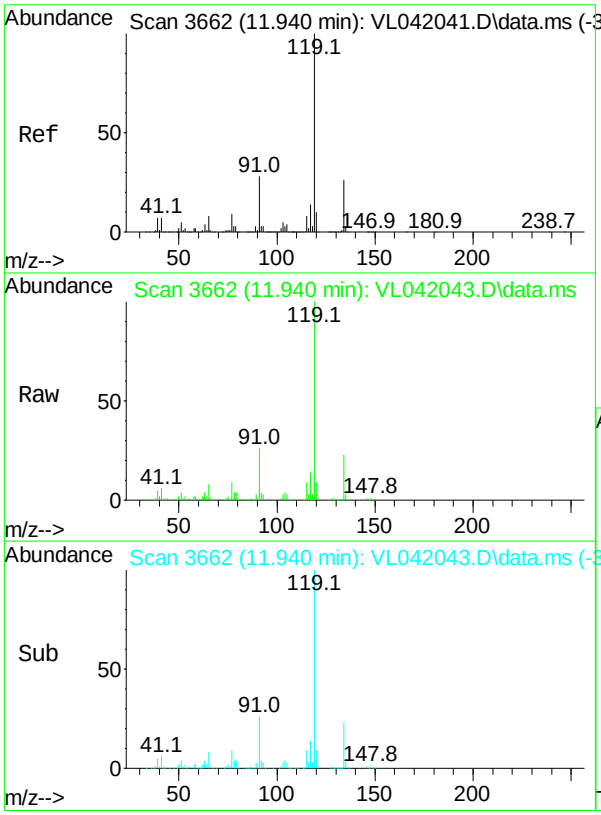


#68
1-Bromo-4-Fluorobenzene
Concen: 9.420 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 95 Resp: 287450

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.8	77.6
175	4.7	3.9	5.9

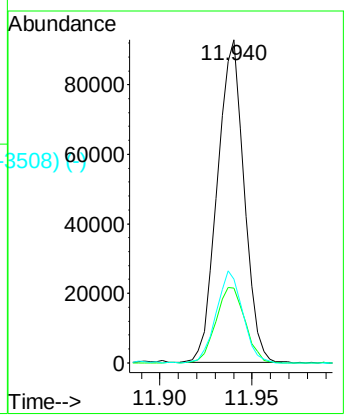




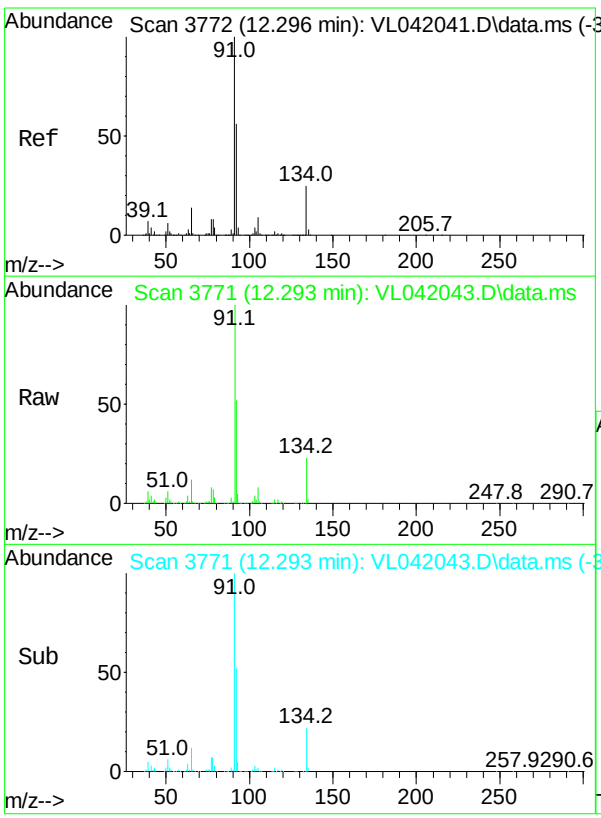
#69
p-Isopropyltoluene
Concen: 0.966 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 93710

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.9	31.3
91	28.2	23.1	34.7



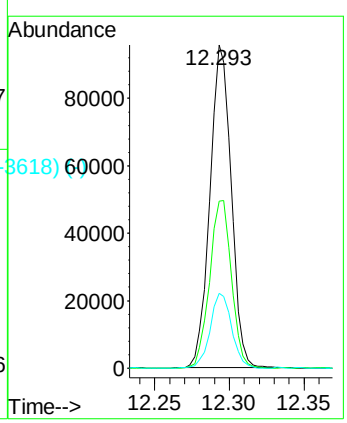
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

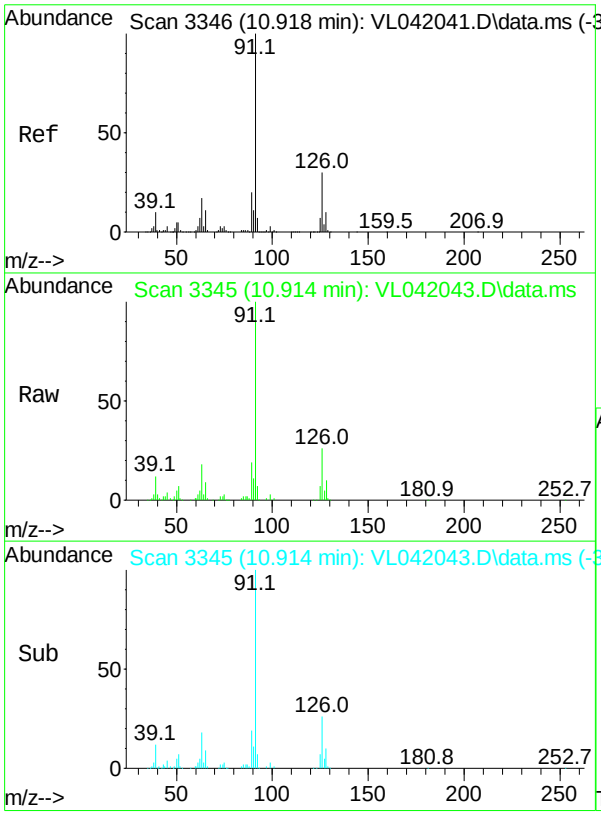


#70
n-Butylbenzene
Concen: 0.993 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 94969

Ion	Ratio	Lower	Upper
91	100		
92	53.5	44.7	67.1
134	23.5	18.9	28.3

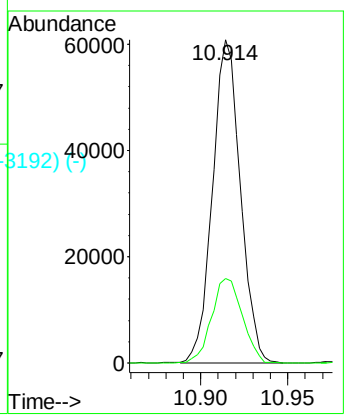




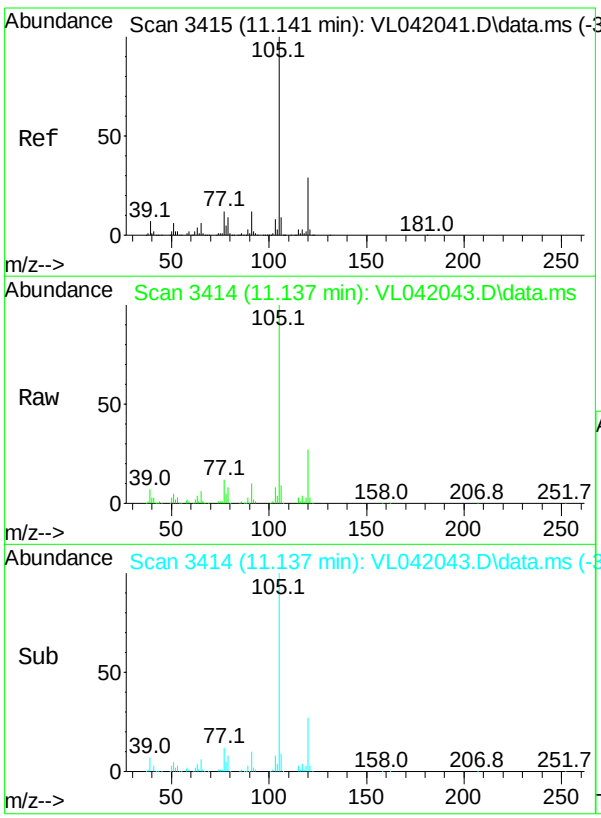
#71
2-Chlorotoluene
Concen: 0.928 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 67655

Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.9	47.5



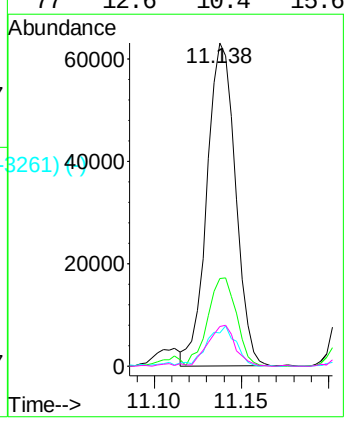
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

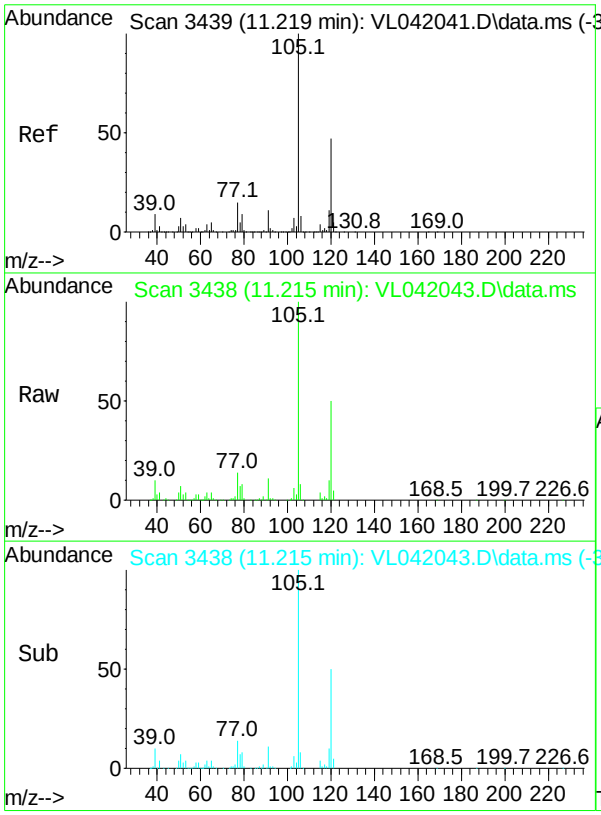


#72
4-Ethyltoluene
Concen: 0.952 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 71906

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.1	36.1
91	13.5	10.2	15.4
77	12.6	10.4	15.6

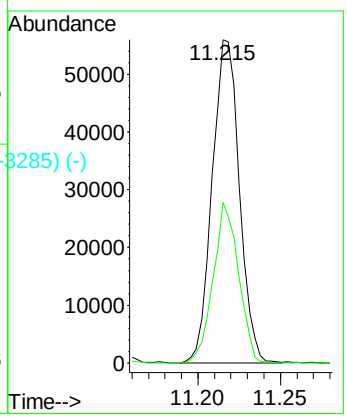




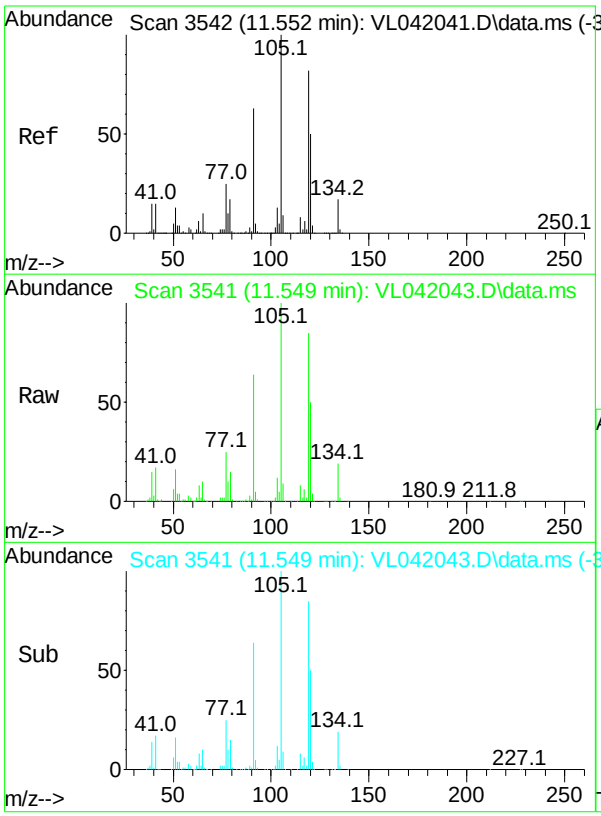
#73
1,3,5-Trimethylbenzene
Concen: 0.983 ppbv
RT: 11.215 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 64087

Ion	Ratio	Lower	Upper
105	100		
120	49.7	37.4	56.0



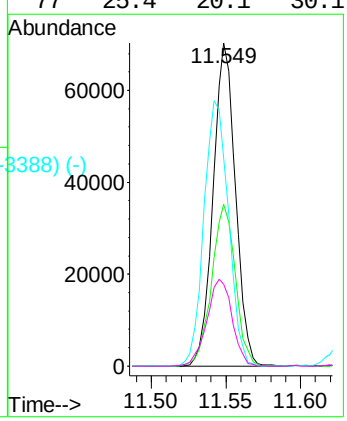
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

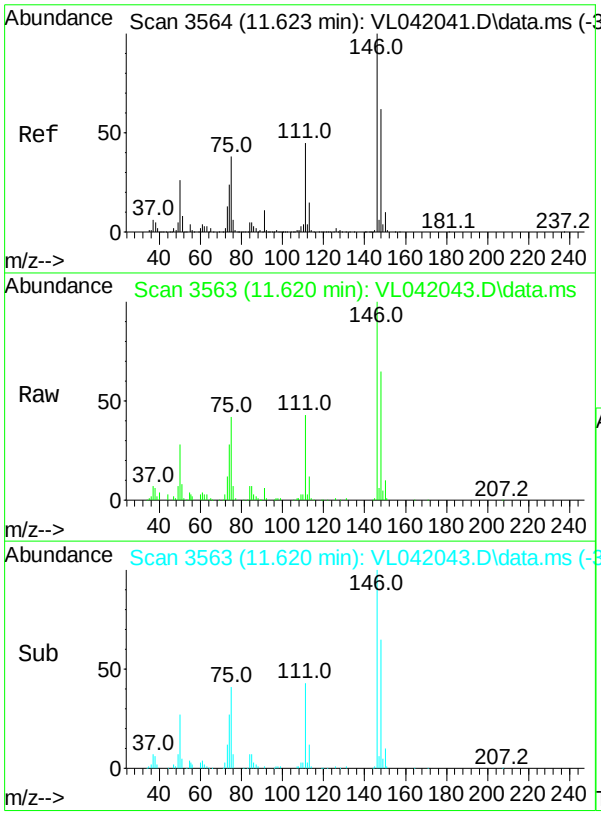


#74
1,2,4-Trimethylbenzene
Concen: 1.048 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:105 Resp: 73323

Ion	Ratio	Lower	Upper
105	100		
120	50.1	40.2	60.2
91	64.4	51.4	77.2
77	25.4	20.1	30.1



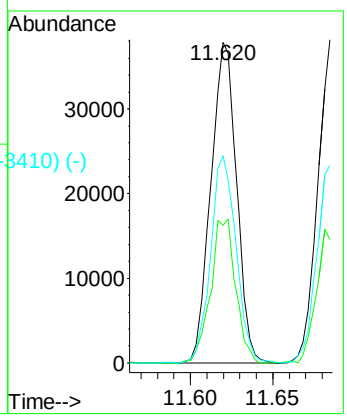


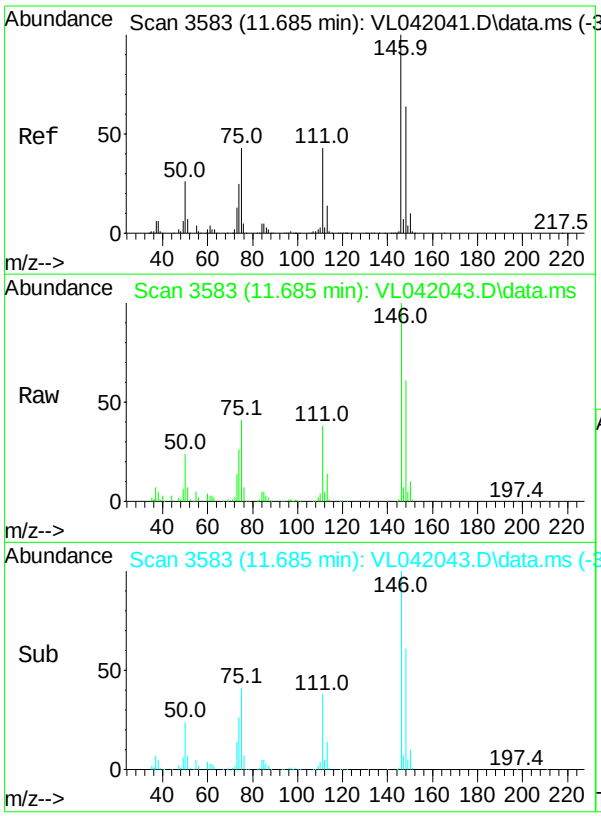
#75
1,3-Dichlorobenzene
Concen: 1.091 ppbv
RT: 11.620 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 41063

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.4	67.2
148	63.9	32.3	96.8

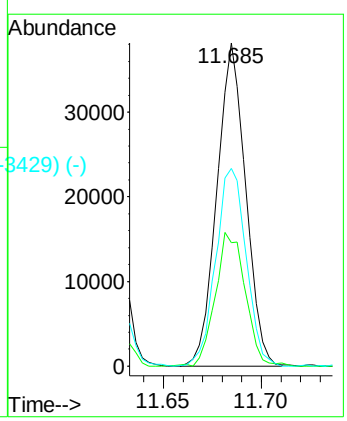


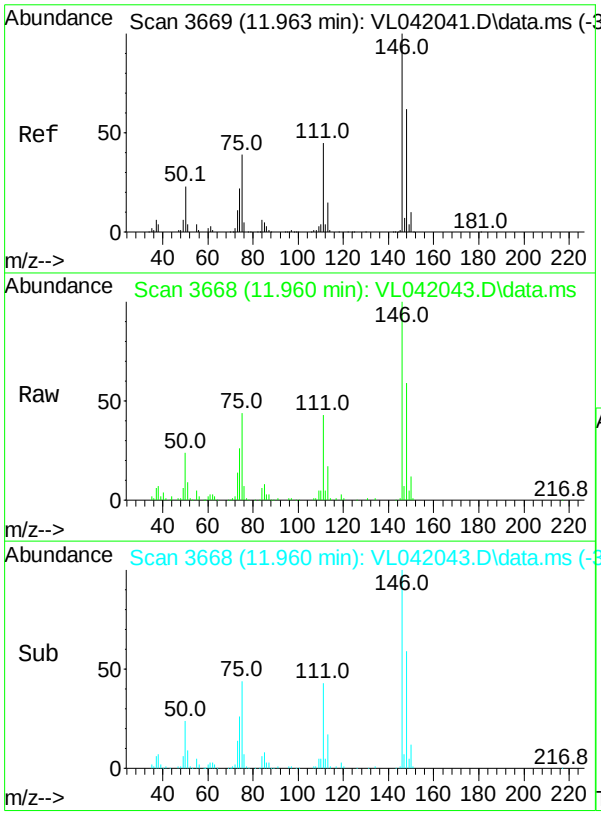


#76
1,4-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 39235

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	65.0	31.6	95.0

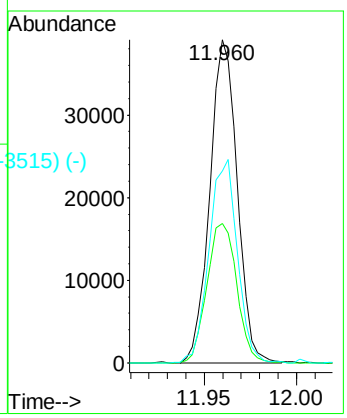




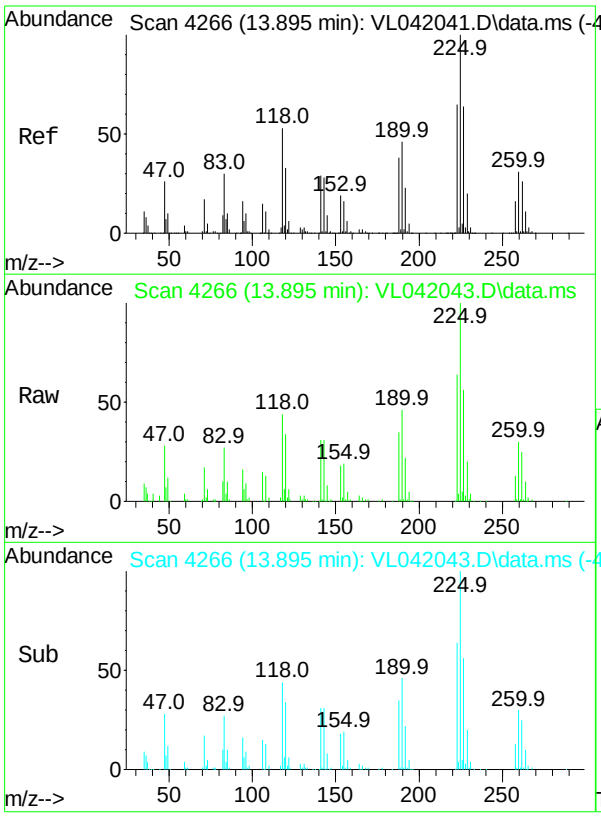
#57
1,2-Dichlorobenzene
Concen: 1.127 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 40574

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.2	69.6
148	65.4	31.4	94.2



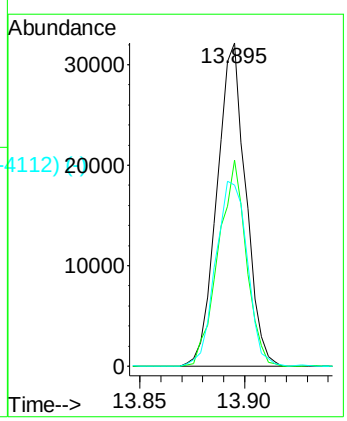
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



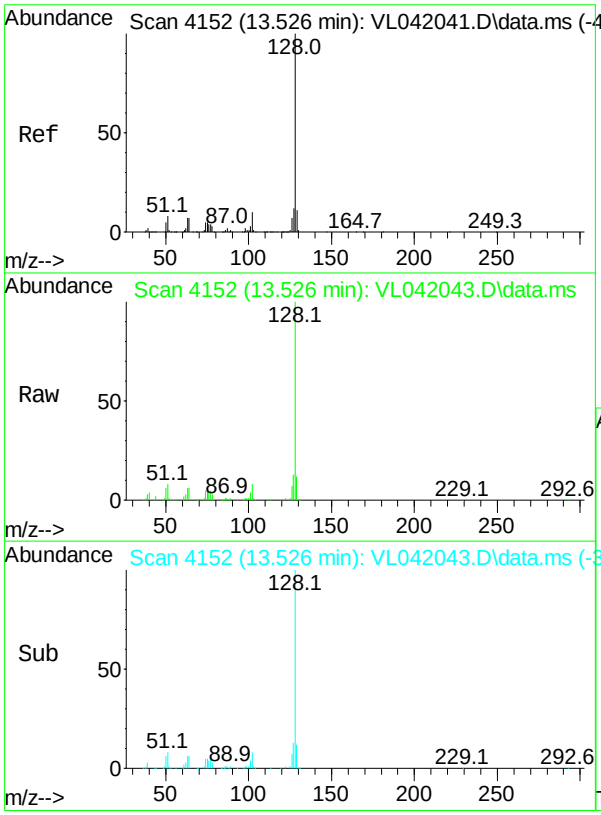
#58
Hexachloro-1,3-Butadiene
Concen: 1.033 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:225 Resp: 30764

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.2	75.2
227	63.2	50.8	76.2



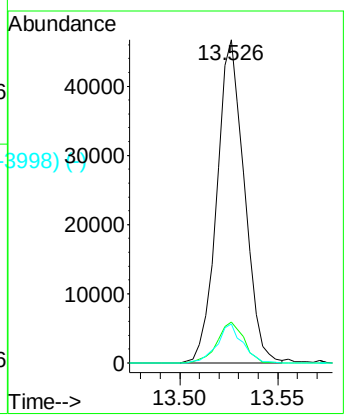
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

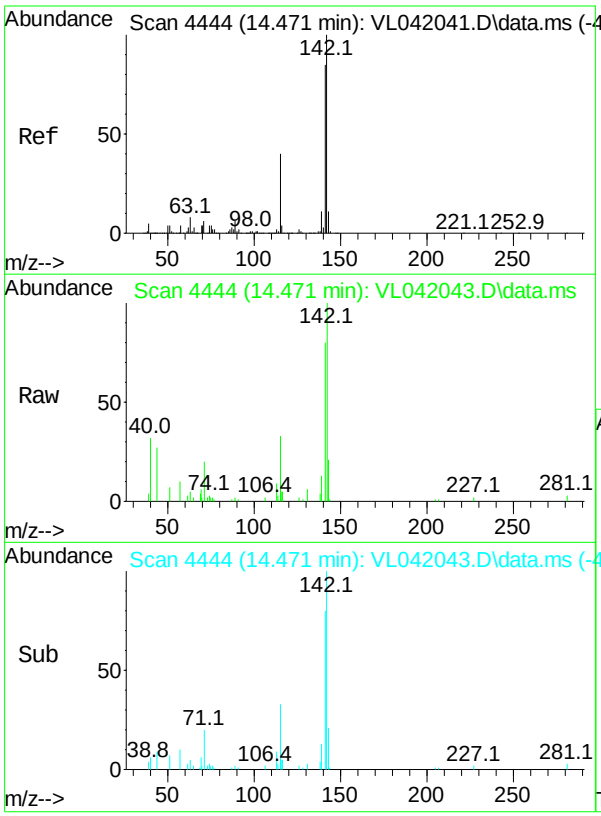


#79
Naphthalene
Concen: 0.665 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:128 Resp: 45743

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.8	14.6
129	12.0	8.6	12.8

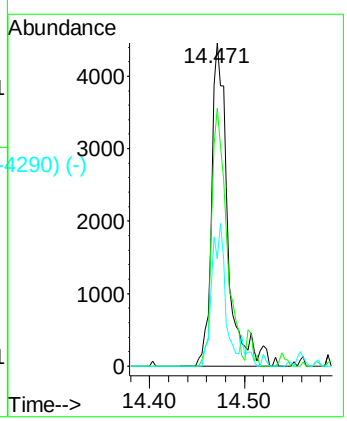


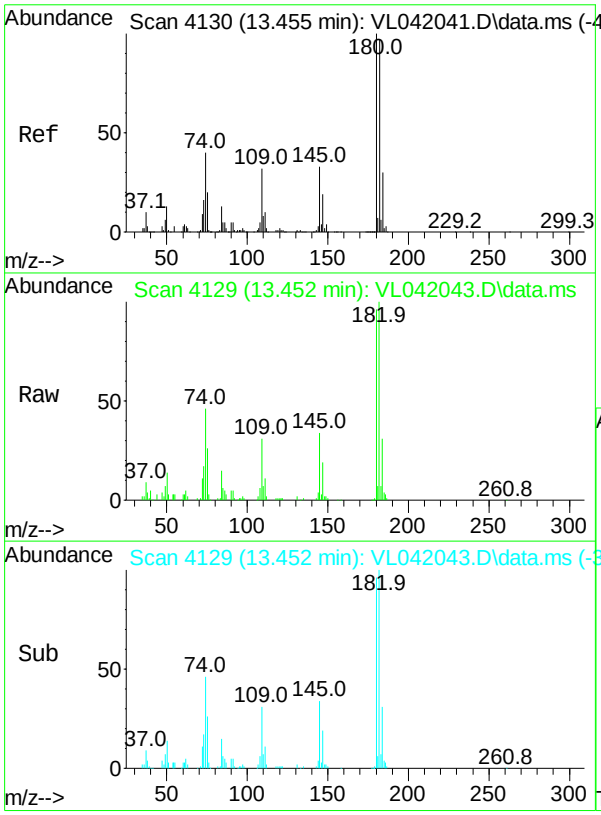


#80
Naphthalene,2-methyl-
Concen: 0.168 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:142 Resp: 5244

Ion	Ratio	Lower	Upper
142	100		
141	77.7	65.8	98.6
115	41.6	29.5	44.3

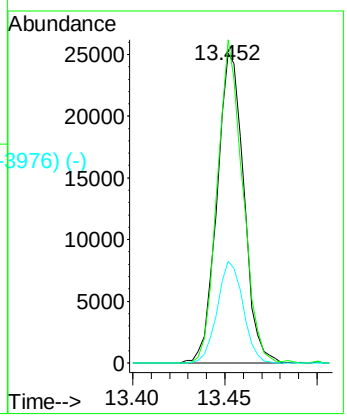




1,2,4-Trichlorobenzene
Concen: 0.908 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042043.D
Acq: 25 Feb 2025 10:00

Tgt Ion:180 Resp: 25404

Ion	Ratio	Lower	Upper
180	100		
182	98.8	75.1	112.7
184	31.4	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	159644	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	421340	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	365954	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	281042	9.310	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	8852	0.322	ppbv		98
3) Chlorodifluoromethane	1.479	51	11921	0.392	ppbv		94
4) Chloromethane	1.537	50	3497	0.327	ppbv	#	88
5) Vinyl Chloride	1.583	62	3005	0.235	ppbv		98
6) Bromomethane	1.673	94	1359	0.275	ppbv		92
7) Chloroethane	1.709	64	1205	0.290	ppbv		89
8) Dichlorotetrafluoroethane	1.557	85	7123	0.295	ppbv		99
9) Propene	1.486	41	4904	0.374	ppbv		94
10) Heptane	5.004	43	15731	0.432	ppbv		98
11) Trichlorofluoromethane	1.884	101	8429	0.305	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.146	101	7336	0.340	ppbv		98
13) Ethanol	1.725	45	426	0.288	ppbv		75
14) Bromoethene	1.787	108	2598	0.323	ppbv	#	89
15) Acetone	1.842	43	8655	0.328	ppbv		96
16) 1,3-Butadiene	1.615	39	3803	0.304	ppbv		97
17) tert-Butyl alcohol	2.049	59	9447	0.290	ppbv	#	90
18) 1,1-Dichloroethene	2.039	96	3173	0.308	ppbv		94
19) Isopropyl Alcohol	1.894	45	4481	0.303	ppbv	#	32
20) Methylene Chloride	2.068	84	3423	0.345	ppbv		97
21) Allyl Chloride	2.104	41	5640	0.296	ppbv		100
22) trans-1,2-Dichloroethene	2.039	96	3173	0.284	ppbv		92
23) Vinyl Acetate	2.473	43	5499	0.385	ppbv	#	86
24) 1,1-Dichloroethane	2.418	63	7396	0.326	ppbv	#	88
25) Ethyl Acetate	2.848	43	30593	0.423	ppbv		98
26) Hexane	2.832	57	12739	0.439	ppbv		98
27) Carbon Disulfide	2.159	76	8316	0.305	ppbv	#	15
28) Methyl tert-Butyl Ether	2.450	73	5185	0.292	ppbv	#	80
29) Chloroform	2.858	83	17278	0.411	ppbv		93
30) Cyclohexane	3.874	84	9209	0.391	ppbv		88
31) cis-1,2-Dichloroethene	2.729	61	11344	0.395	ppbv		97
32) 1,1,1-Trichloroethane	3.382	97	15027	0.322	ppbv		93
34) 2-Butanone	2.570	43	17555	0.484	ppbv		99
35) Carbon Tetrachloride	3.780	117	14223	0.348	ppbv		90
36) Benzene	3.670	78	22728	0.445	ppbv		95
37) 1,2-Dichloroethane	3.230	62	13141	0.452	ppbv		100
38) Trichloroethene	4.570	130	9115	0.440	ppbv	#	87
39) 1,2-Dichloropropane	4.331	63	8723	0.466	ppbv		91
40) 1,4-Dioxane	4.622	88	3478	0.357	ppbv	#	33
41) Tetrahydrofuran	3.078	42	9880	0.477	ppbv		98
42) Bromodichloromethane	4.505	83	16973	0.431	ppbv	#	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.904	69	8428	0.362	ppbv		93
44) 2,2,4-Trimethylpentane	4.661	57	40623	0.469	ppbv		98
45) t-1,3-Dichloropropene	6.441	75	8004	0.364	ppbv		90
46) cis-1,3-Dichloropropene	5.629	75	4036	0.145	ppbv		89
47) 1,1,2-Trichloroethane	6.609	97	5914	0.300	ppbv	#	82
48) Dibromochloromethane	7.406	129	12677	0.384	ppbv		99
49) Bromoform	9.496	173	11640	0.430	ppbv		98
50) 4-Methyl-2-Pentanone	5.794	43	11029	0.198	ppbv	#	38
51) 2-Hexanone	7.470	43	11717	0.257	ppbv	#	95
52) Tetrachloroethene	8.241	164	8012	0.450	ppbv		95
53) Toluene	6.956	91	24224	0.398	ppbv		96
54) 1,2-Dibromoethane	7.674	107	5550	0.205	ppbv		85
56) 1,1,1,2-Tetrachloroethane	8.940	131	11100	0.424	ppbv	#	61
57) Chlorobenzene	8.936	112	20167	0.468	ppbv		97
58) Ethyl Benzene	9.370	91	34506	0.431	ppbv		90
59) m/p-Xylene	9.545	91	28109	0.446	ppbv	#	100
60) o-Xylene	9.979	91	28757	0.451	ppbv		95
61) Styrene	9.885	104	12051	0.396	ppbv		99
62) Isopropylbenzene	10.552	105	42074	0.439	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.975	83	18774	0.456	ppbv		96
64) n-propylbenzene	11.001	120	10900	0.463	ppbv		100
65) tert-Butylbenzene	11.542	119	38066	0.456	ppbv		98
66) Benzyl Chloride	11.626	91	2589	0.309	ppbv	#	96
67) sec-Butylbenzene	11.778	105	54394	0.464	ppbv		97
69) p-Isopropyltoluene	11.937	119	40978	0.427	ppbv		95
70) n-Butylbenzene	12.293	91	42673	0.451	ppbv		99
71) 2-Chlorotoluene	10.914	91	32161	0.446	ppbv		99
72) 4-Ethyltoluene	11.137	105	32477	0.434	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.215	105	29130	0.452	ppbv		91
74) 1,2,4-Trimethylbenzene	11.548	105	33950	0.491	ppbv		97
75) 1,3-Dichlorobenzene	11.616	146	20339	0.546	ppbv		96
76) 1,4-Dichlorobenzene	11.684	146	20492	0.564	ppbv		93
77) 1,2-Dichlorobenzene	11.959	146	19373	0.544	ppbv		96
78) Hexachloro-1,3-Butadiene	13.892	225	15367	0.522	ppbv		99
79) Naphthalene	13.523	128	17897	0.263	ppbv	#	95
80) Naphthalene,2-methyl-	14.478	142	1646	0.053	ppbv	#	81
81) 1,2,4-Trichlorobenzene	13.452	180	10771	0.389	ppbv		94

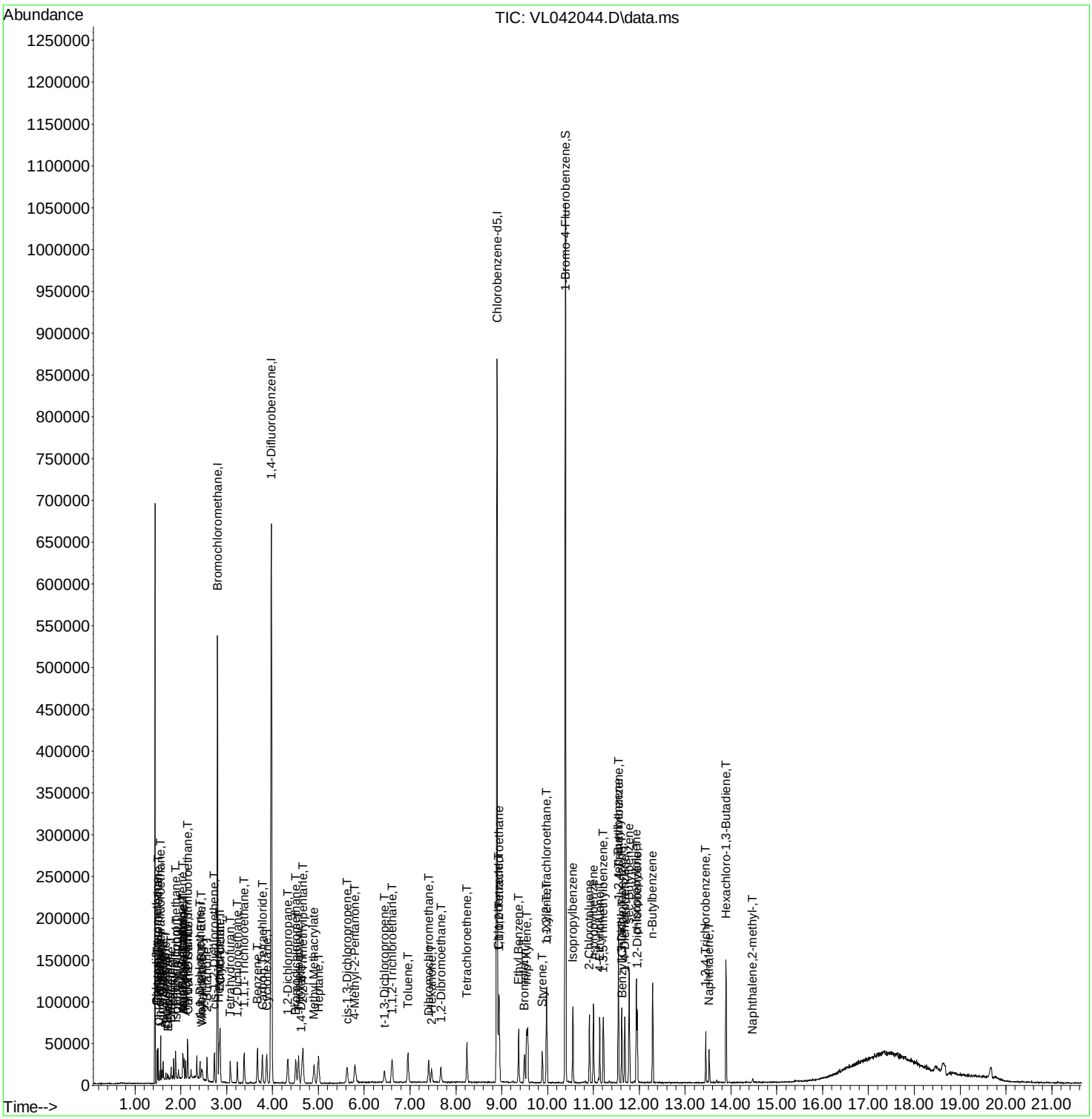
(#) = qualifier out of range (m) = manual integration (+) = signals summed

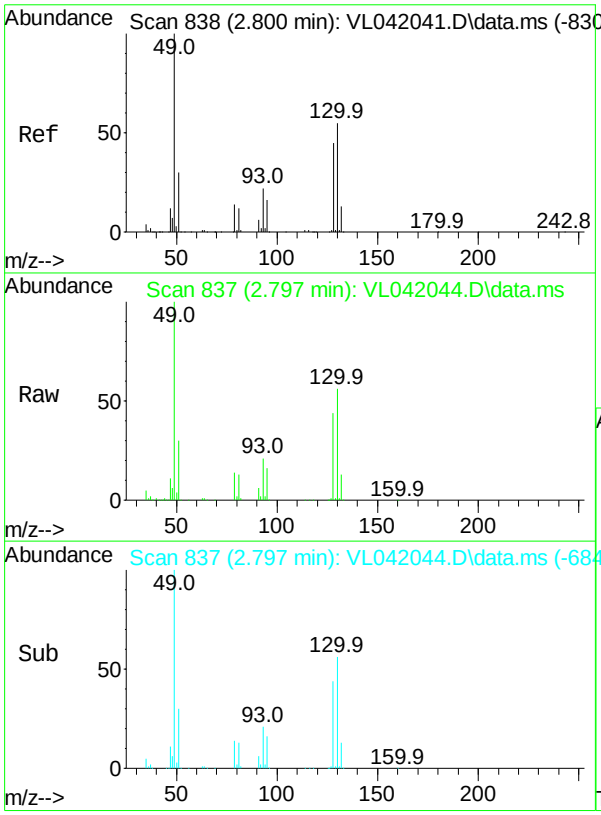
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration



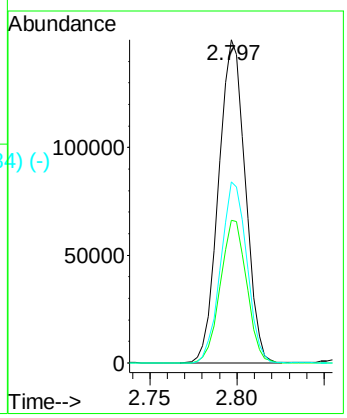


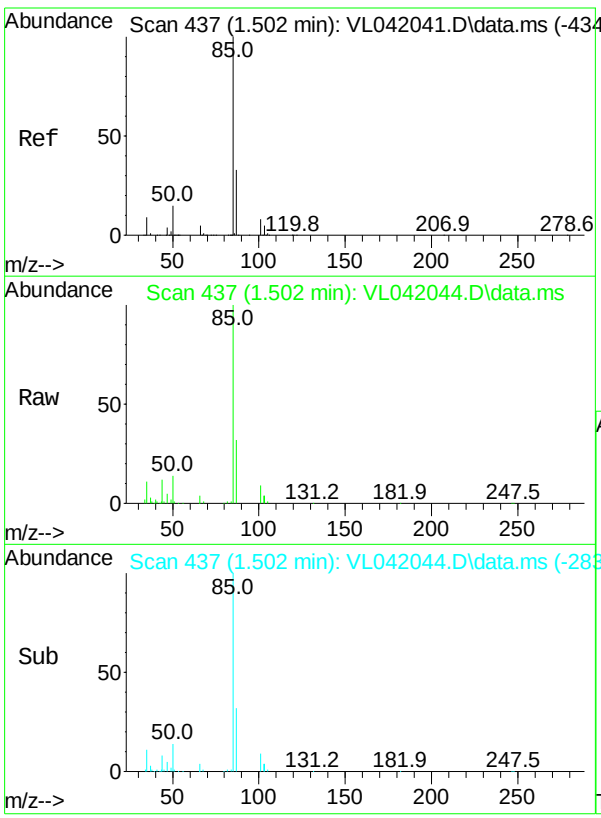
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 159644

Ion	Ratio	Lower	Upper
49	100		
128	43.5	21.6	64.8
130	55.1	27.8	83.4

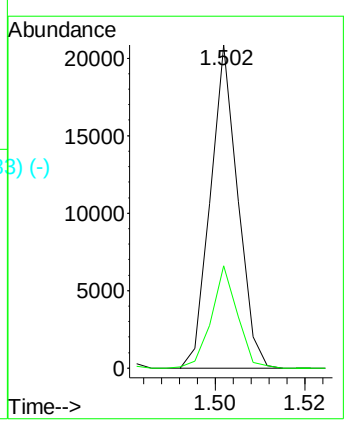


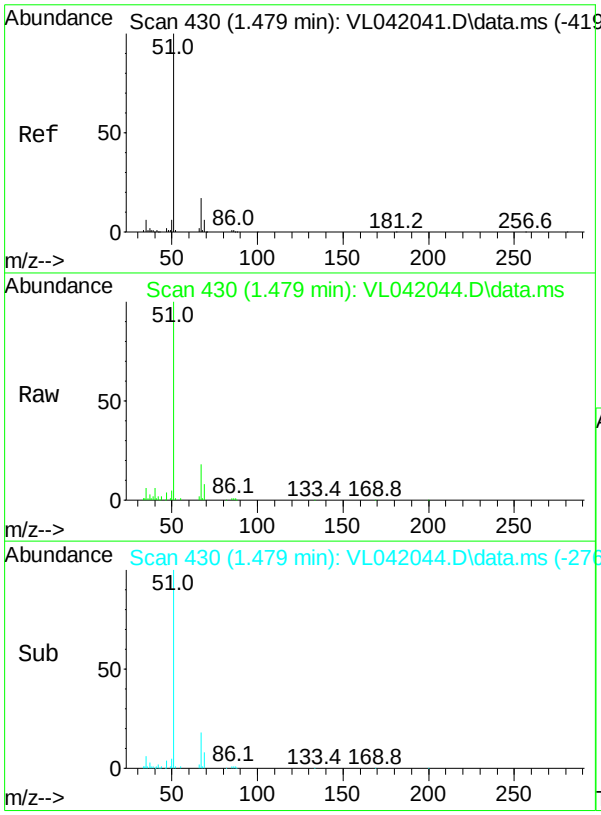


#2
Dichlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 85 Resp: 8852

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.4	39.6



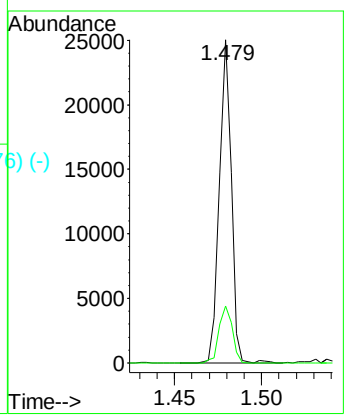


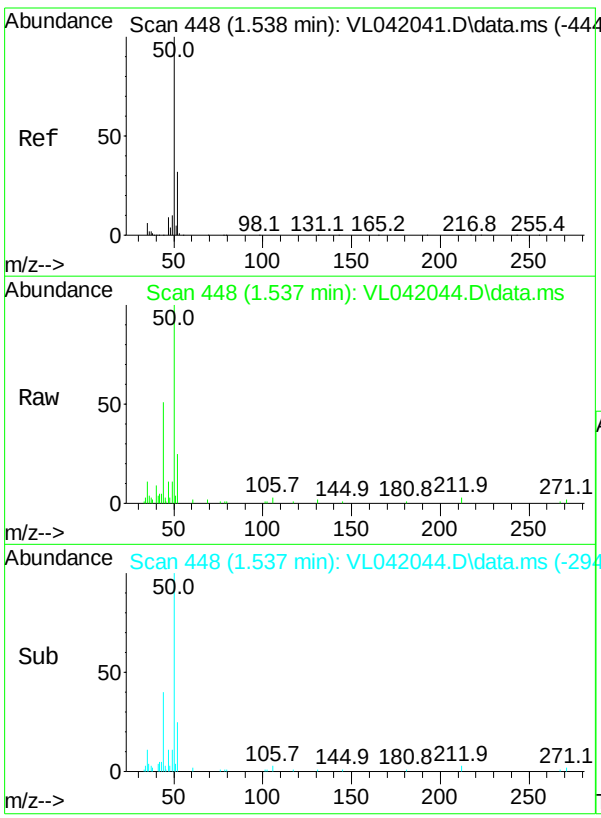
#3
Chlorodifluoromethane
Concen: 0.392 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 11921

Ion	Ratio	Lower	Upper
51	100		
67	19.6	13.7	20.5

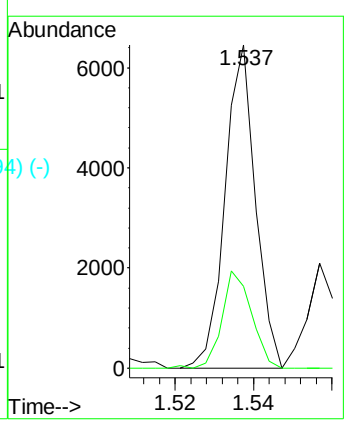


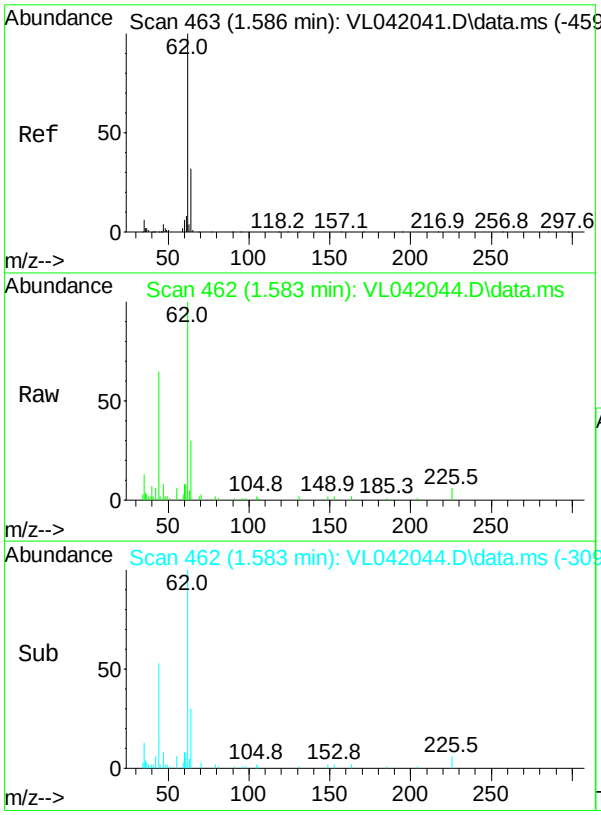


#4
Chloromethane
Concen: 0.327 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 50 Resp: 3497

Ion	Ratio	Lower	Upper
50	100		
52	25.3	25.4	38.0#

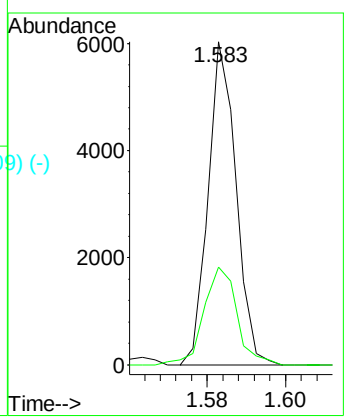




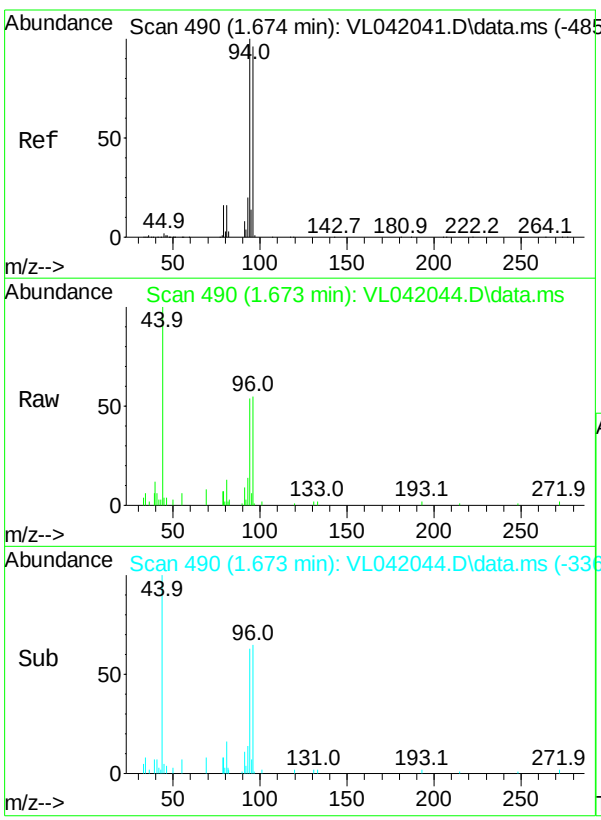
#5
Vinyl Chloride
Concen: 0.235 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 62 Resp: 3005

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.3	37.9



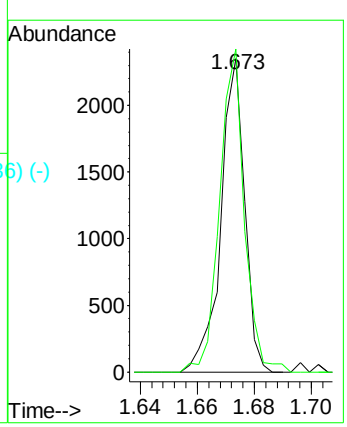
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

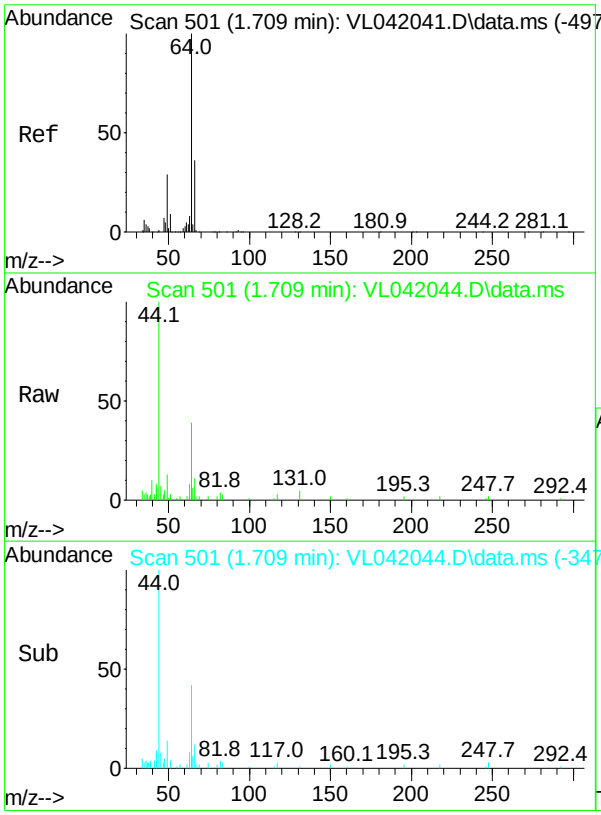


#6
Bromomethane
Concen: 0.275 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 94 Resp: 1359

Ion	Ratio	Lower	Upper
94	100		
96	103.2	76.5	114.7

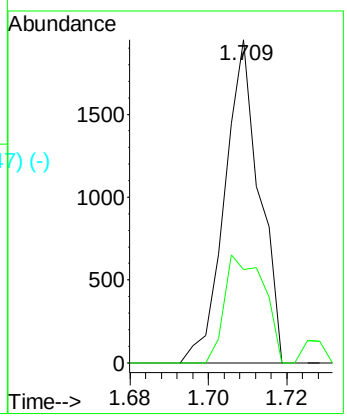


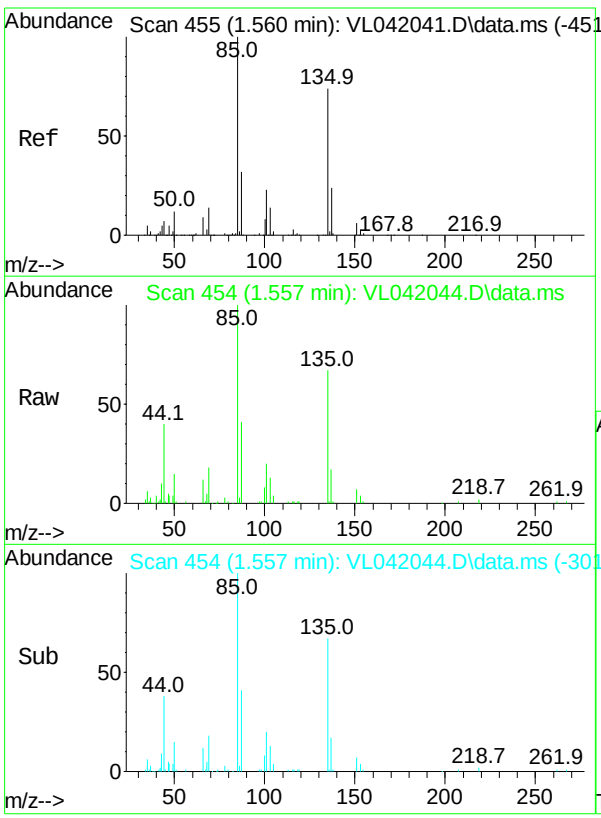


#7
Chloroethane
Concen: 0.290 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 64 Resp: 1205

Ion	Ratio	Lower	Upper
64	100		
66	28.9	28.4	42.6

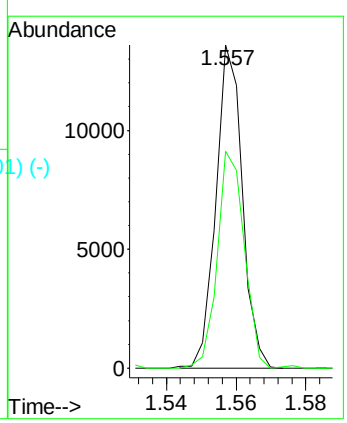




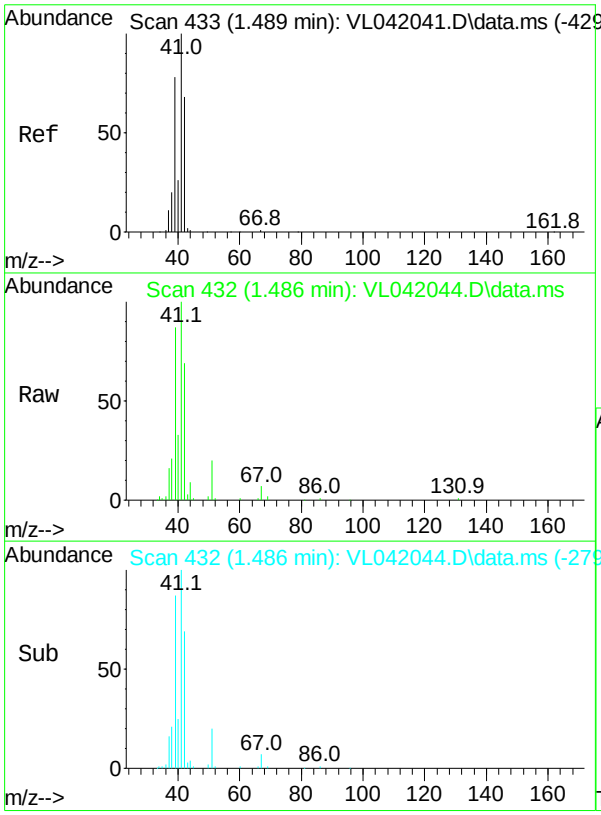
#8
Dichlorotetrafluoroethane
Concen: 0.295 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 85 Resp: 7123

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.6	81.8



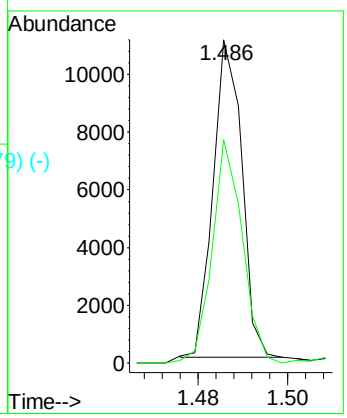
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



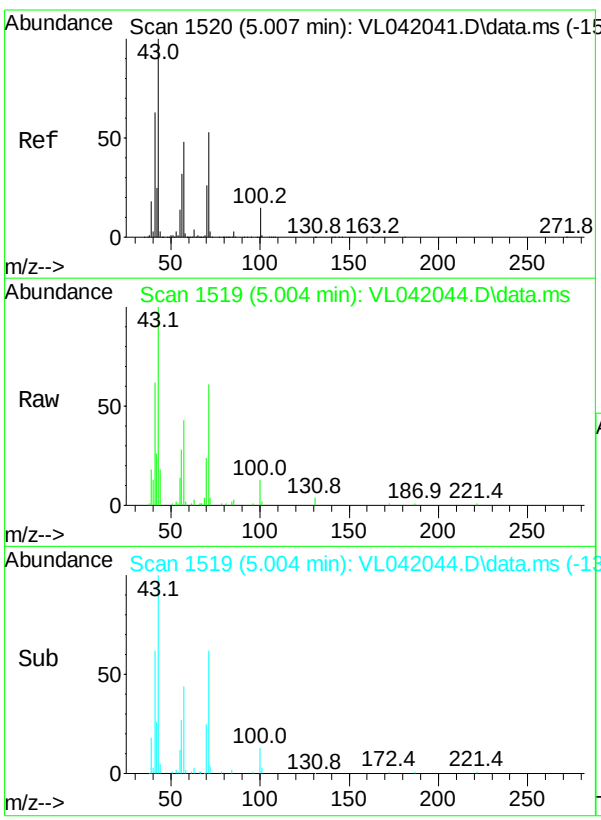
#9
Propene
Concen: 0.374 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 41 Resp: 4904

Ion	Ratio	Lower	Upper
41	100		
42	74.6	55.8	83.6



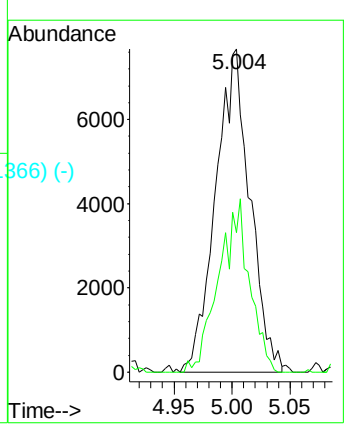
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

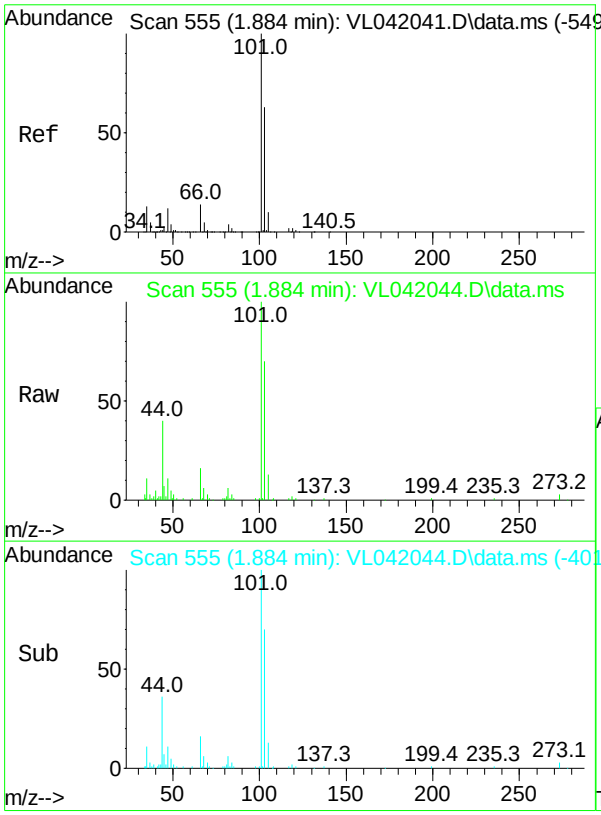


#10
Heptane
Concen: 0.432 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 15731

Ion	Ratio	Lower	Upper
43	100		
57	47.7	39.4	59.0



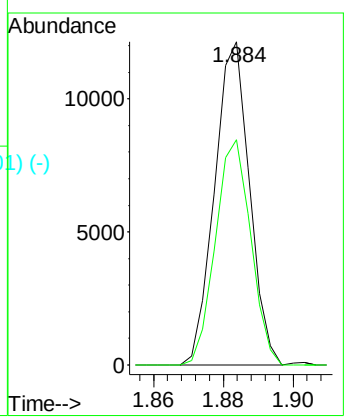


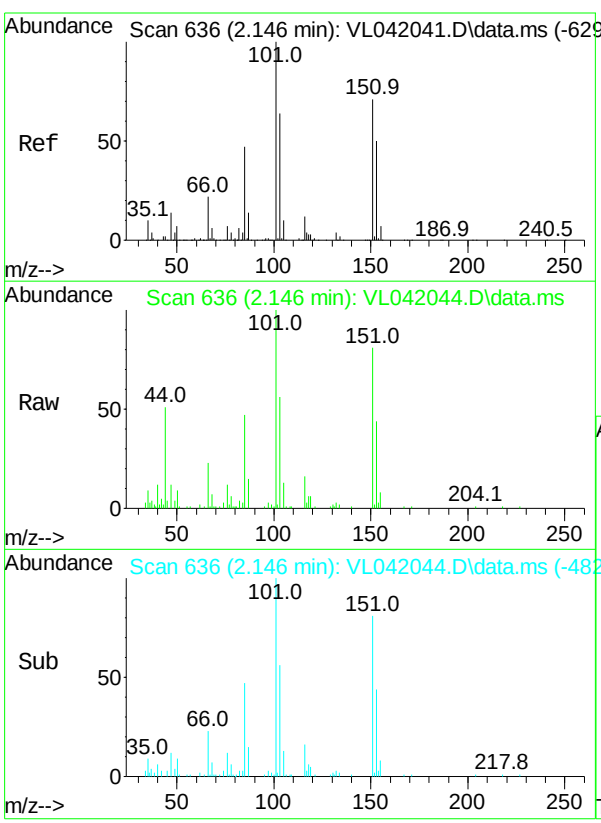
#11
Trichlorofluoromethane
Concen: 0.305 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 8429

Ion	Ratio	Lower	Upper
101	100		
103	69.6	50.6	75.8

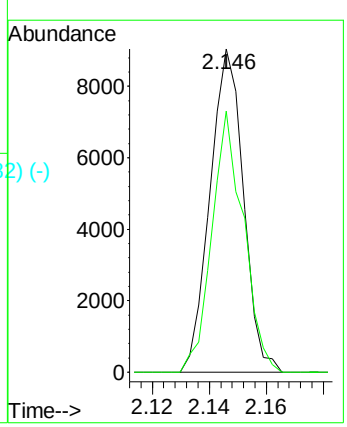


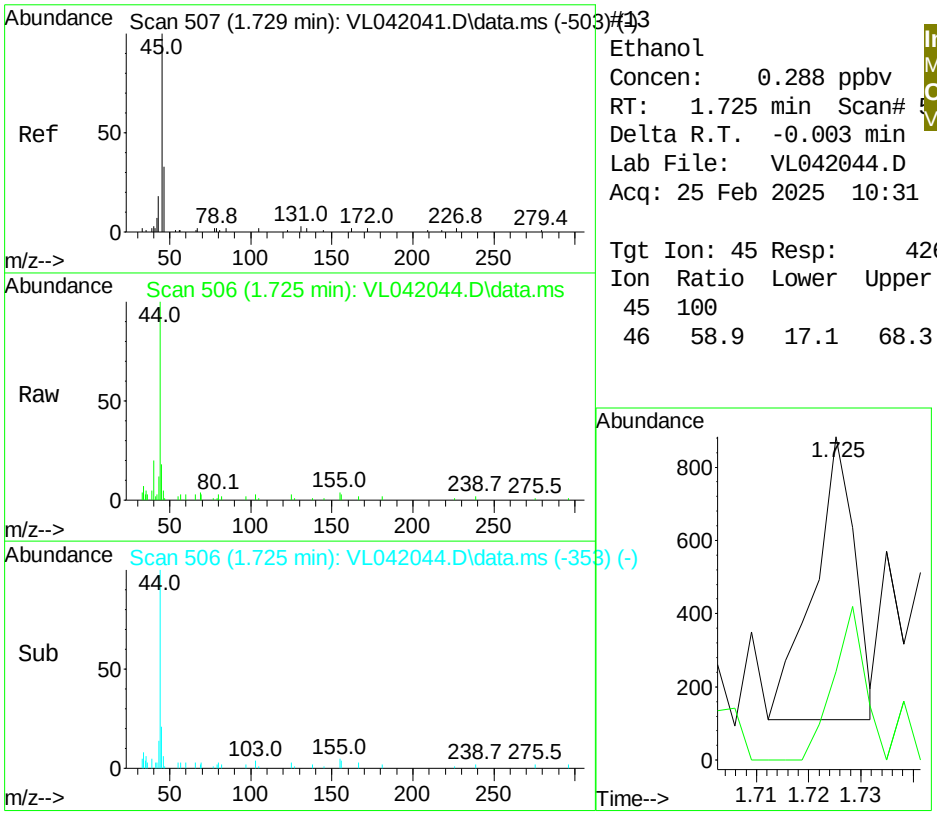


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.340 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:101 Resp: 7336

Ion	Ratio	Lower	Upper
101	100		
151	76.2	62.6	94.0



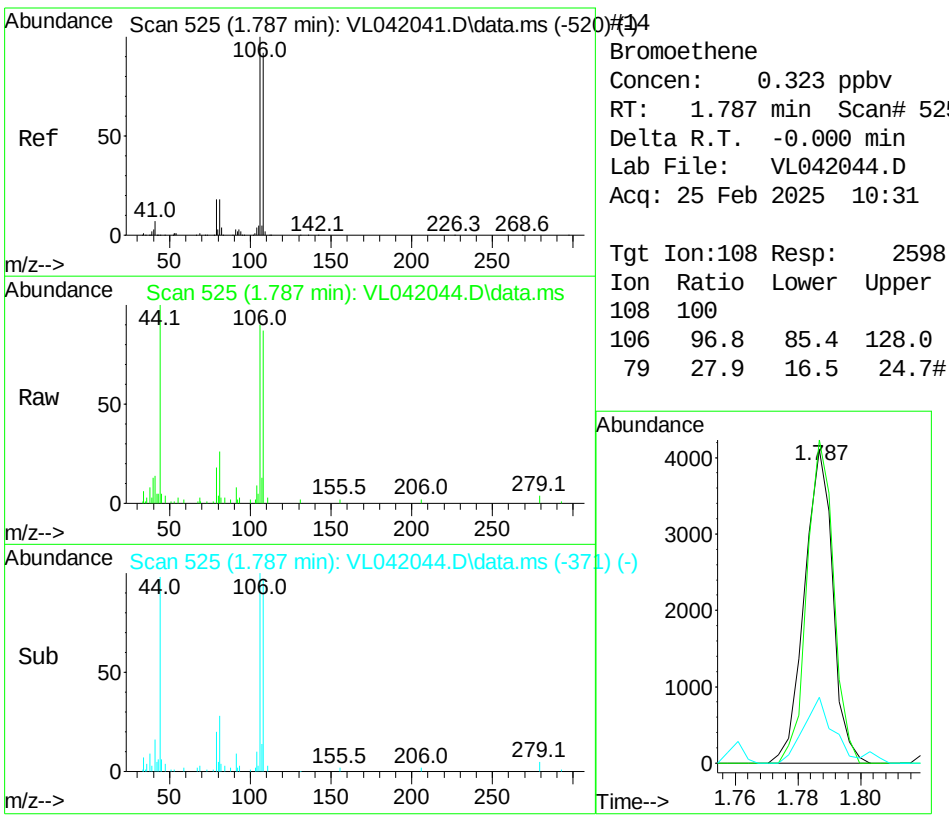


#13
Ethanol
Concen: 0.288 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 45 Resp: 426

Ion	Ratio	Lower	Upper
45	100		
46	58.9	17.1	68.3

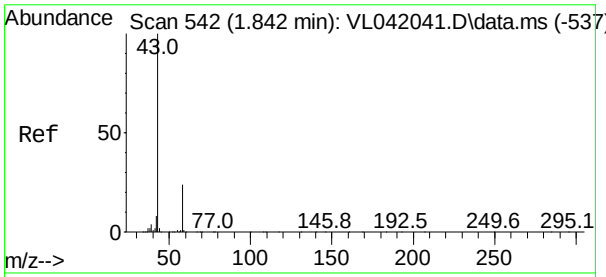
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



#14
Bromoethene
Concen: 0.323 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:108 Resp: 2598

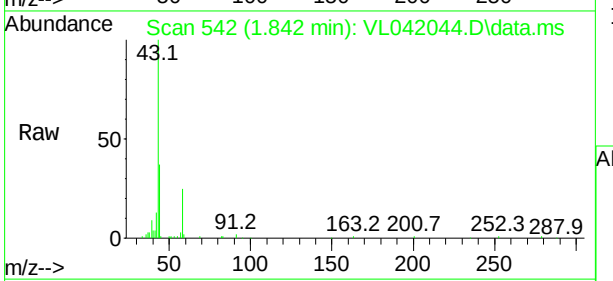
Ion	Ratio	Lower	Upper
108	100		
106	96.8	85.4	128.0
79	27.9	16.5	24.7#

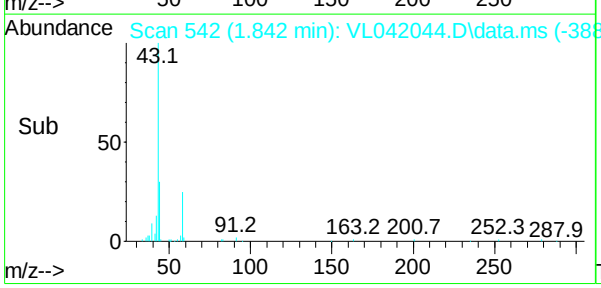


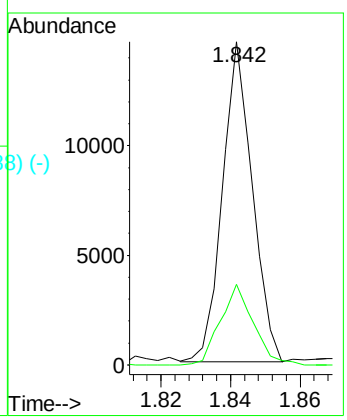
#15
Acetone
Concen: 0.328 ppbv
RT: 1.842 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

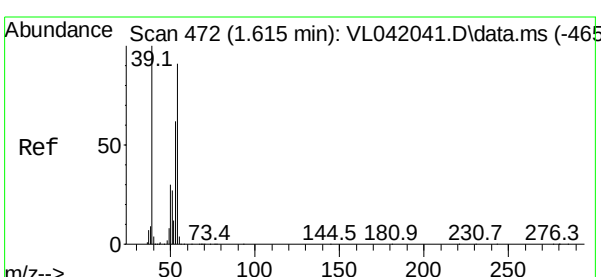
Tgt Ion: 43 Resp: 8655

Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.7	31.1





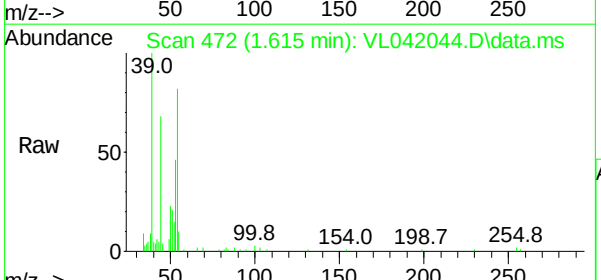


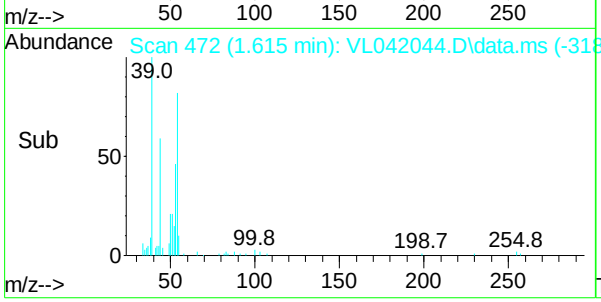


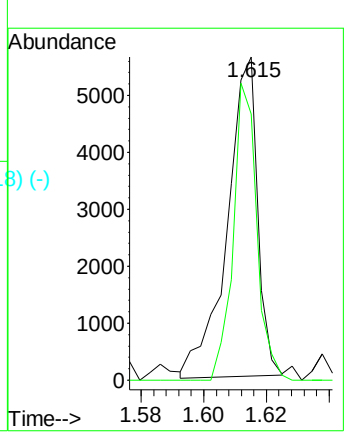
#16
1,3-Butadiene
Concen: 0.304 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

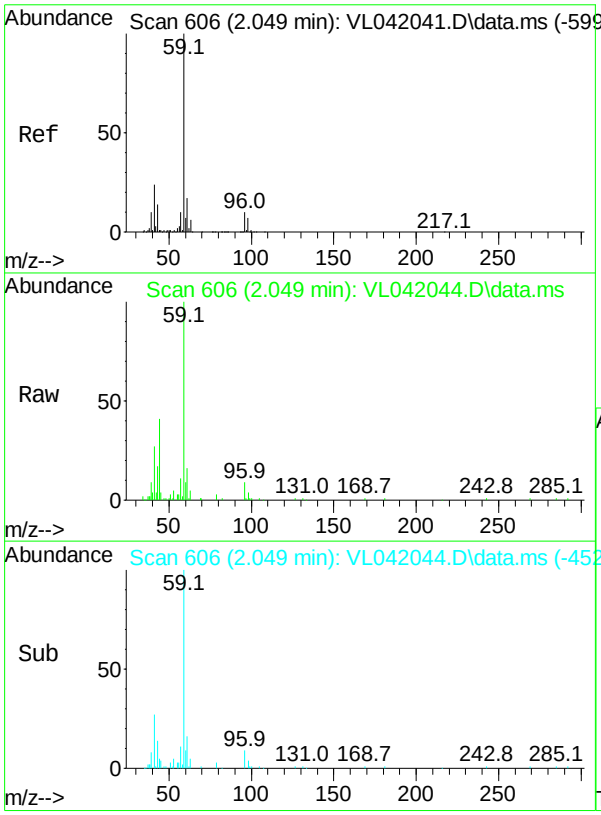
Tgt Ion: 39 Resp: 3803

Ion	Ratio	Lower	Upper
39	100		
54	71.9	59.6	89.4







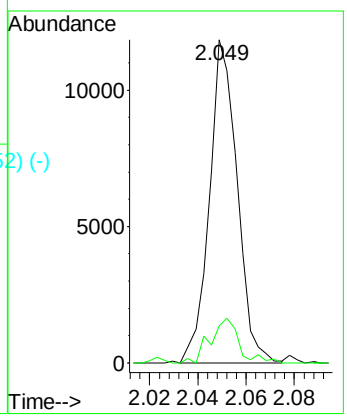


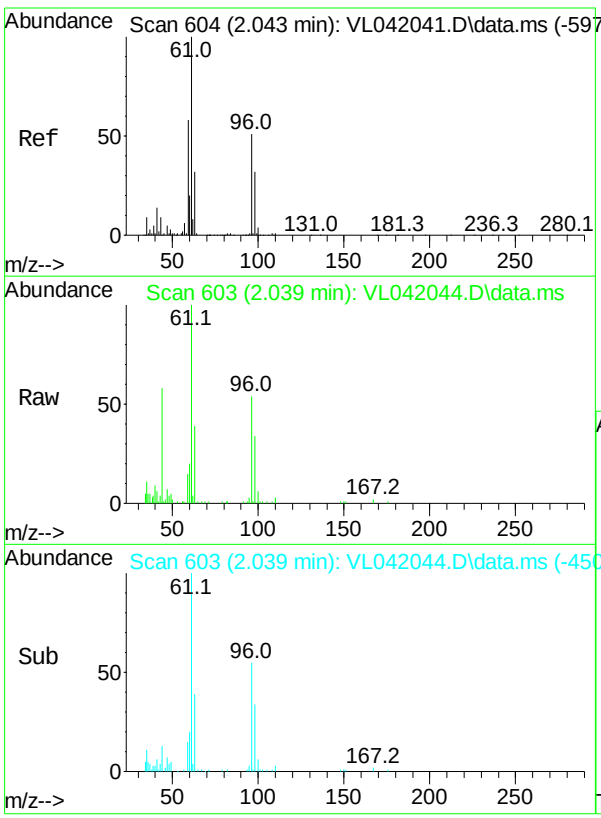
#17
tert-Butyl alcohol
Concen: 0.290 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 9447

Ion	Ratio	Lower	Upper
59	100		
57	15.3	9.3	13.9#

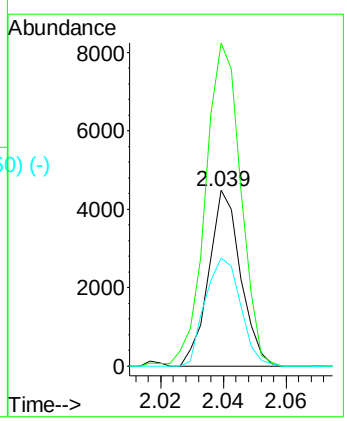


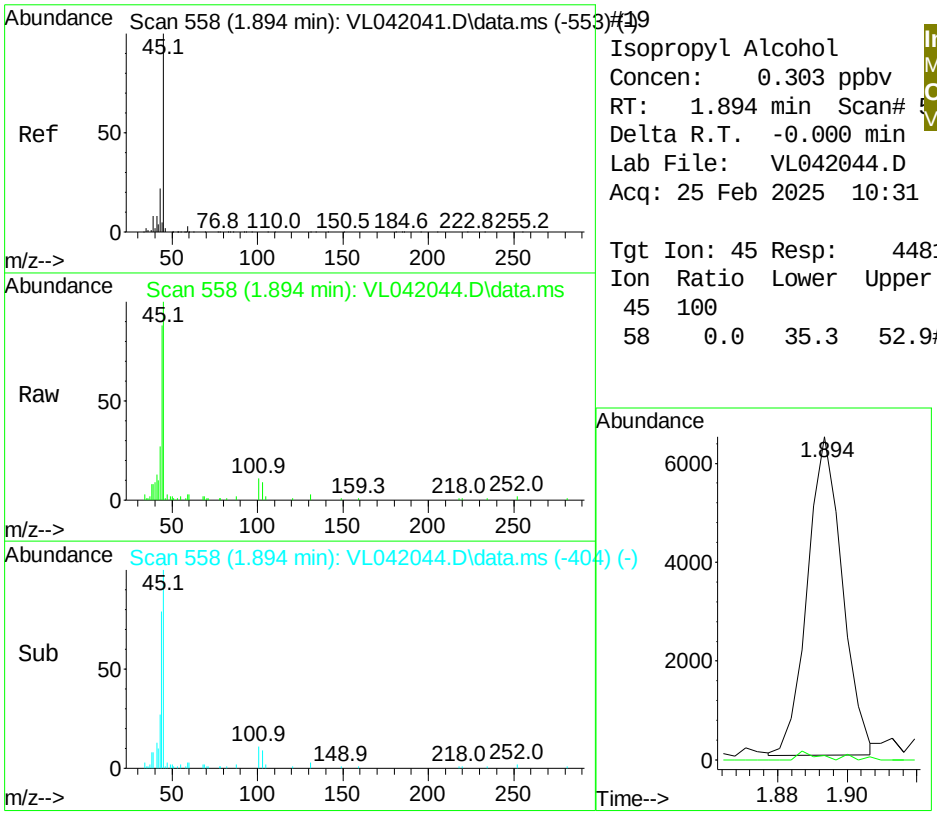


#18
1,1-Dichloroethene
Concen: 0.308 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 96 Resp: 3173

Ion	Ratio	Lower	Upper
96	100		
61	183.8	156.0	234.0
98	61.6	49.4	74.2

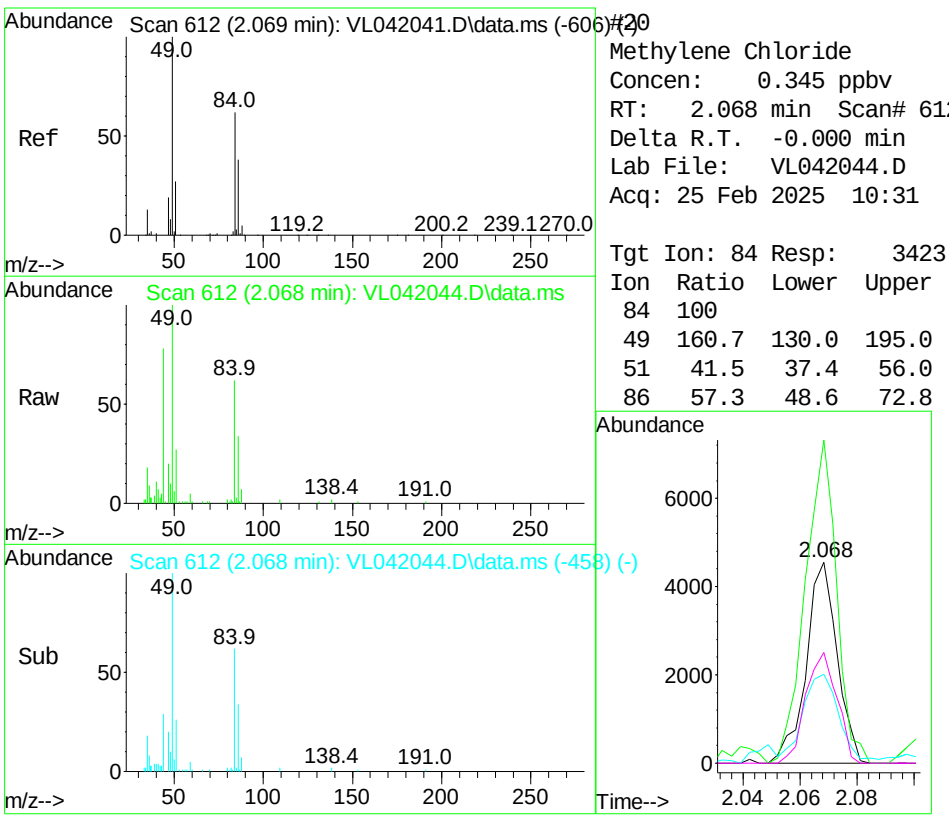




#19
Isopropyl Alcohol
Concen: 0.303 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 45 Resp: 4481

Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#

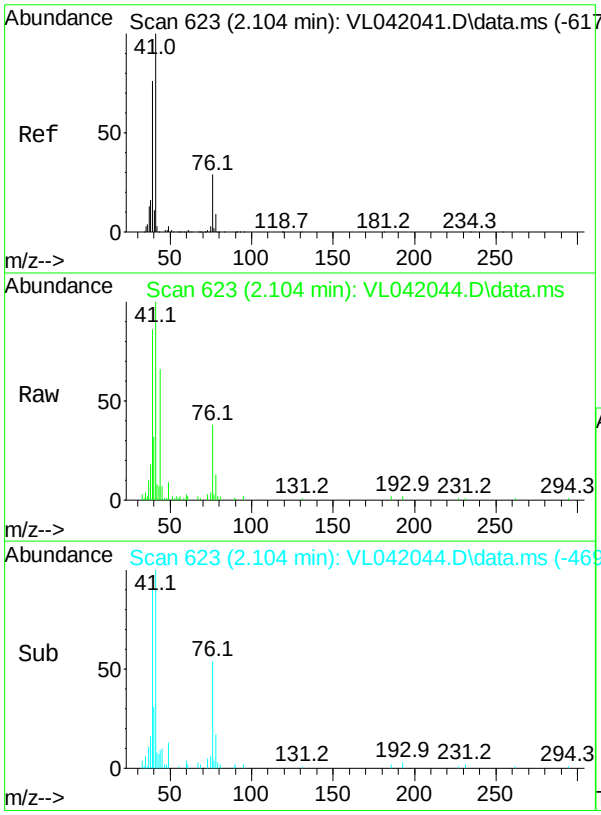


#20
Methylene Chloride
Concen: 0.345 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 84 Resp: 3423

Ion	Ratio	Lower	Upper
84	100		
49	160.7	130.0	195.0
51	41.5	37.4	56.0
86	57.3	48.6	72.8

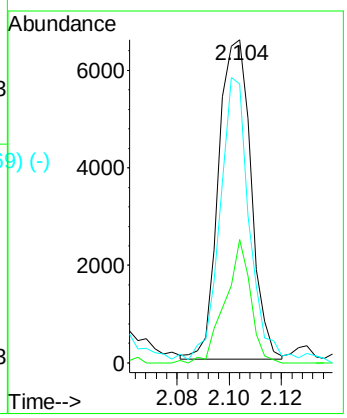
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

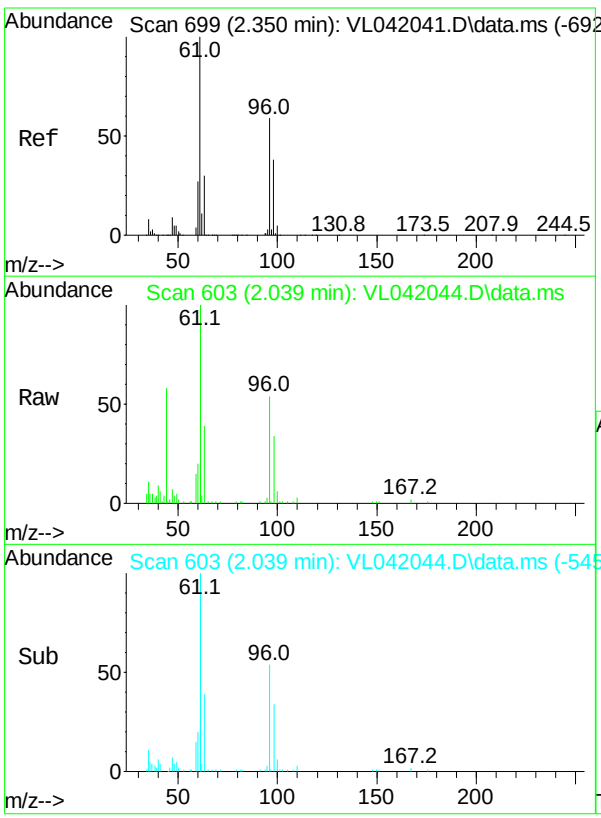


#21
Allyl Chloride
Concen: 0.296 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 41 Resp: 5640

Ion	Ratio	Lower	Upper
41	100		
76	30.2	23.8	35.6
39	79.8	63.8	95.6

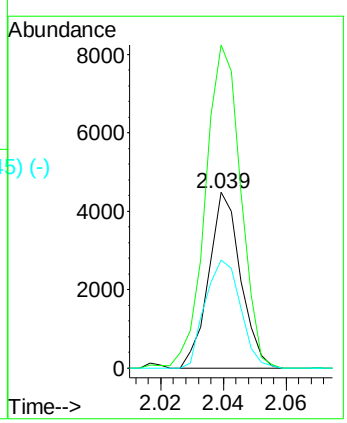




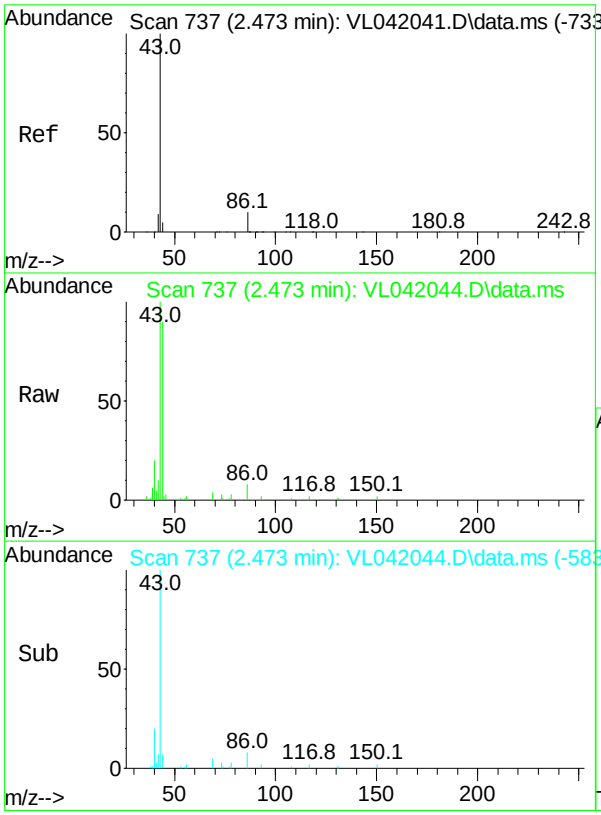
#22
trans-1,2-Dichloroethene
Concen: 0.284 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.311 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 96 Resp: 3173

Ion	Ratio	Lower	Upper
96	100		
61	183.8	136.6	205.0
98	61.6	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

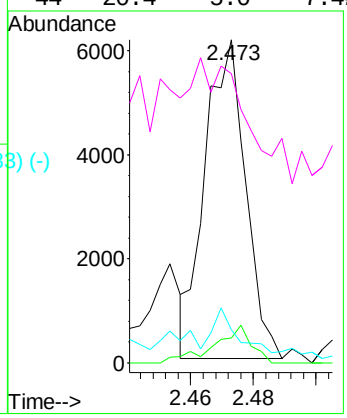


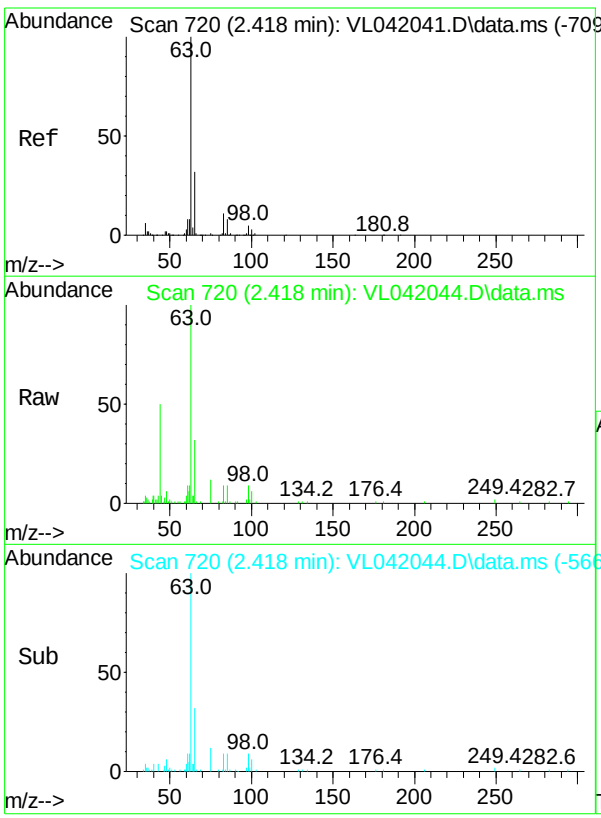
#23
Vinyl Acetate
Concen: 0.385 ppbv
RT: 2.473 min Scan#
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 5499

Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.0	10.4
42	6.8	7.6	11.4#
44	20.4	5.0	7.4#

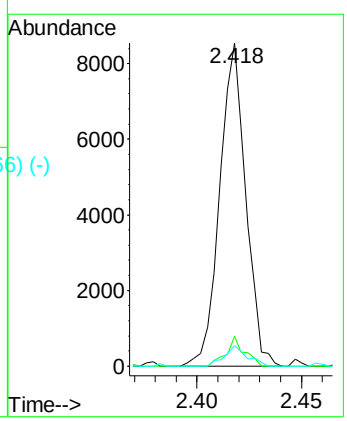


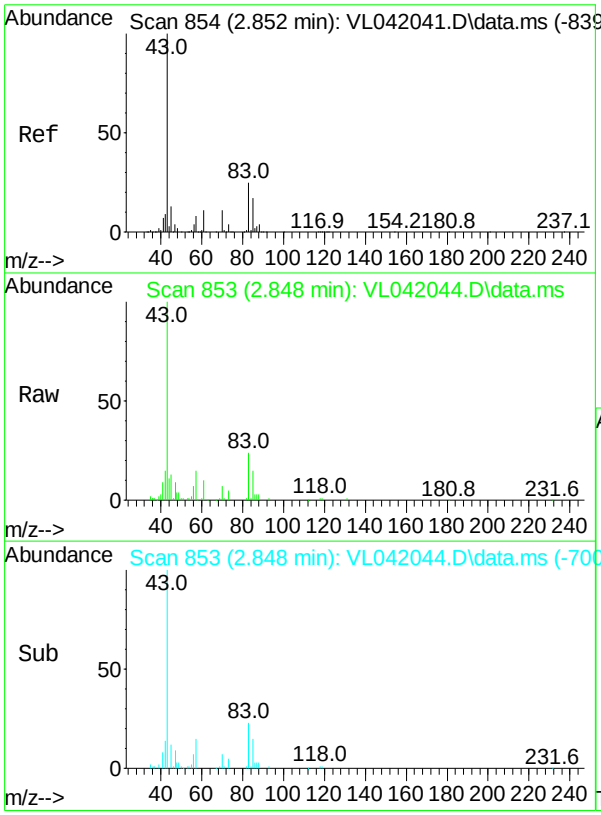


#24
1,1-Dichloroethane
Concen: 0.326 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 63 Resp: 7396

Ion	Ratio	Lower	Upper
63	100		
98	9.2	2.4	7.2#
100	6.4	1.7	5.0#

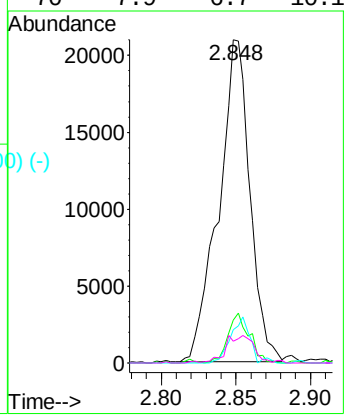


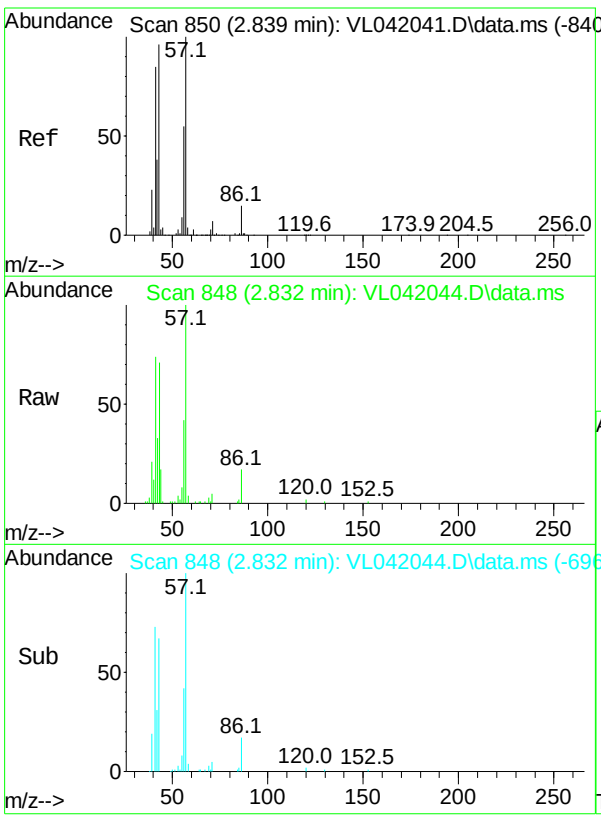


#25
Ethyl Acetate
Concen: 0.423 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 30593

Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.1	12.1
61	9.2	7.2	10.8
70	7.9	6.7	10.1

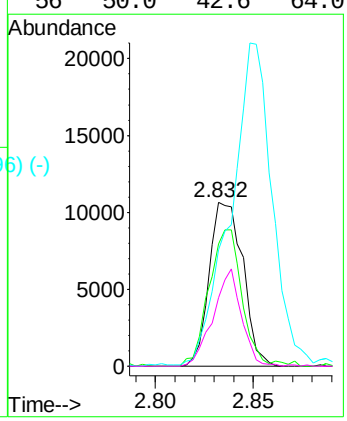




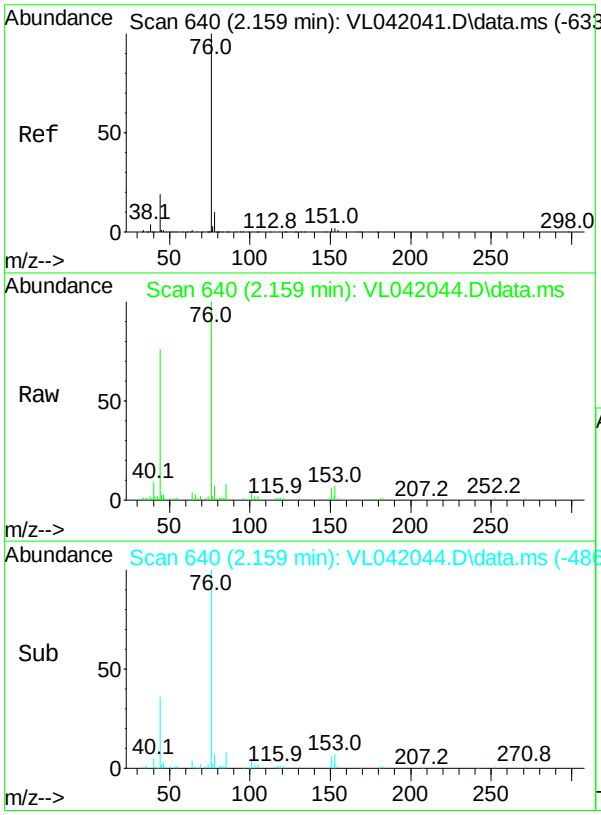
#26
Hexane
Concen: 0.439 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 12739

Ion	Ratio	Lower	Upper
57	100		
41	83.6	70.6	106.0
43	250.3	199.4	299.0
56	50.0	42.6	64.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

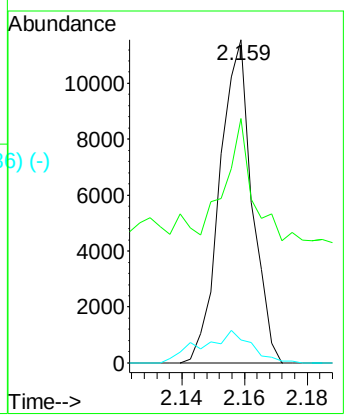


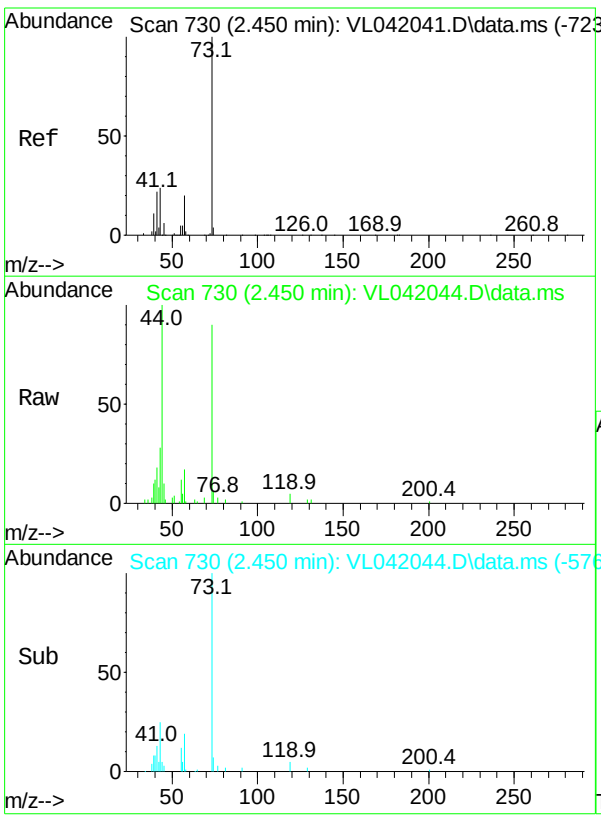
#27
Carbon Disulfide
Concen: 0.305 ppbv
RT: 2.159 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 8316

Ion	Ratio	Lower	Upper
76	100		
44	79.6	16.2	24.2#
78	15.2	9.4	14.0#

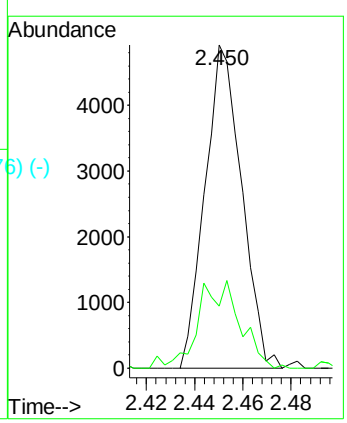


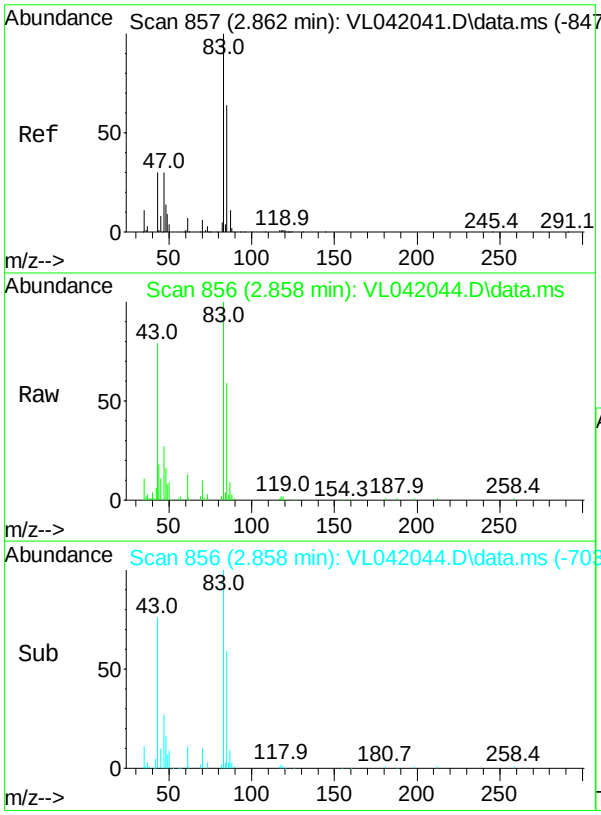


#28
Methyl tert-Butyl Ether
Concen: 0.292 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 73 Resp: 5185

Ion	Ratio	Lower	Upper
73	100		
57	31.8	17.7	26.5#



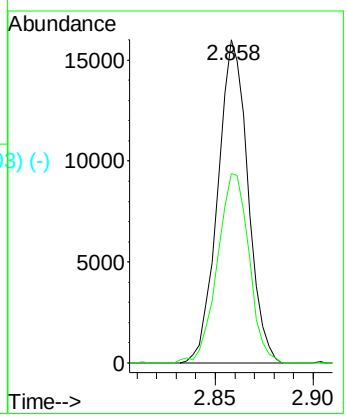


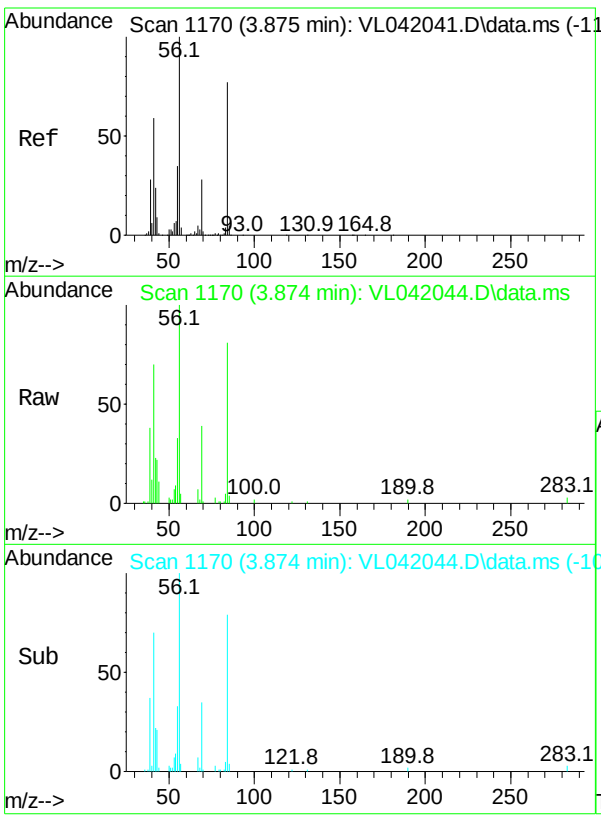
#29
Chloroform
Concen: 0.411 ppbv
RT: 2.858 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 17278

Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.2	76.8

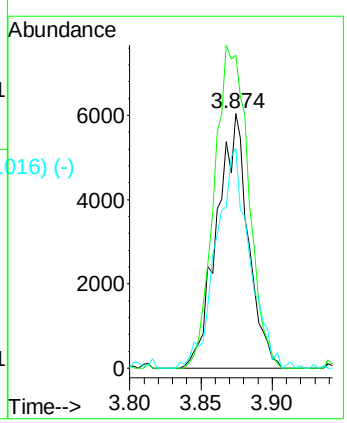


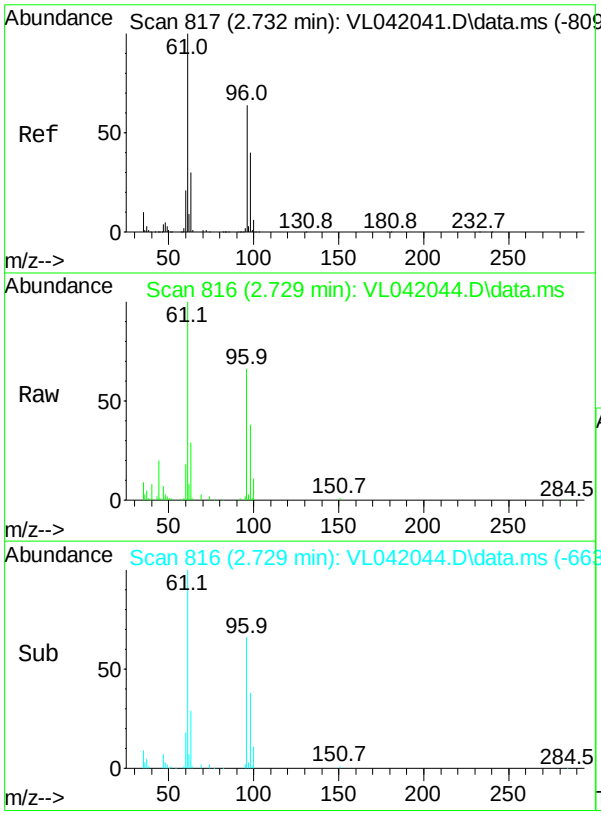


#30
Cyclohexane
Concen: 0.391 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 84 Resp: 9209

Ion	Ratio	Lower	Upper
84	100		
56	138.5	101.5	152.3
41	92.4	62.6	93.8



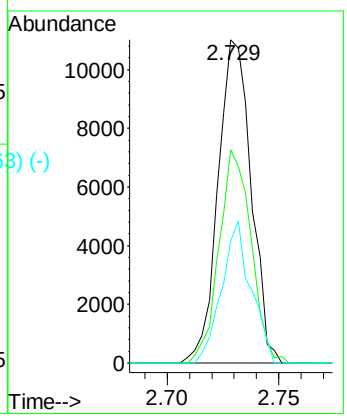


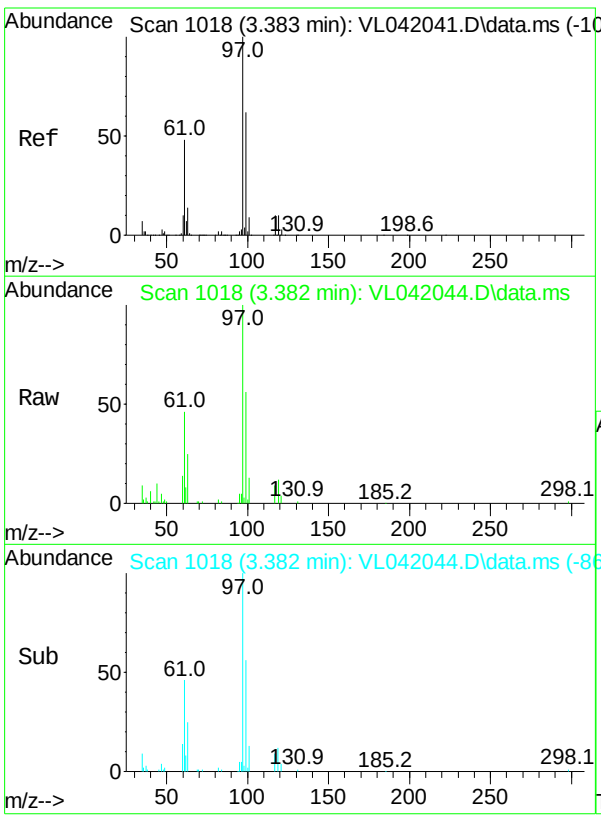
#31
cis-1,2-Dichloroethene
Concen: 0.395 ppbv
RT: 2.729 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 11344

Ion	Ratio	Lower	Upper
61	100		
96	66.0	51.5	77.3
98	37.7	32.0	48.0

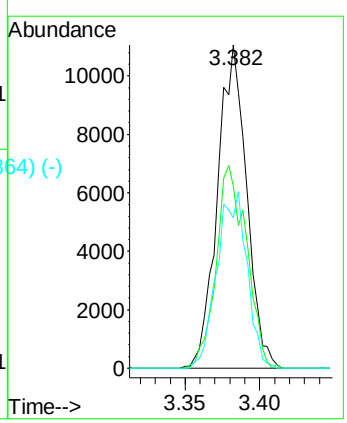


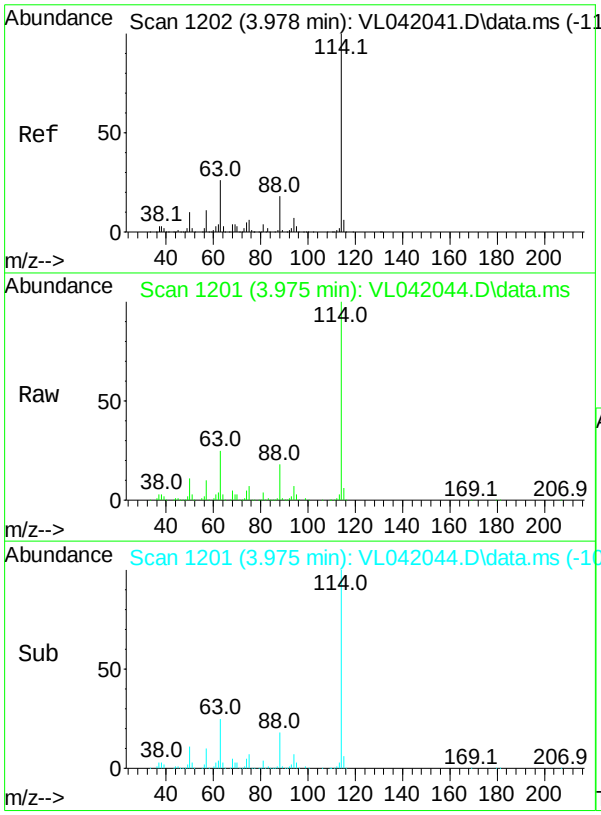


#32
1,1,1-Trichloroethane
Concen: 0.322 ppbv
RT: 3.382 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 97 Resp: 15027

Ion	Ratio	Lower	Upper
97	100		
99	65.0	49.8	74.6
61	55.9	38.9	58.3



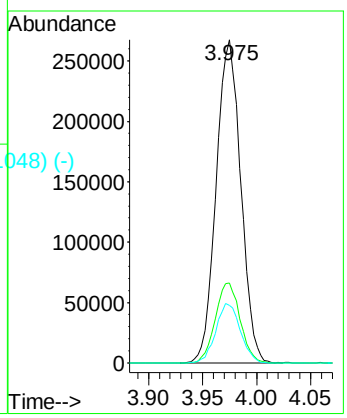


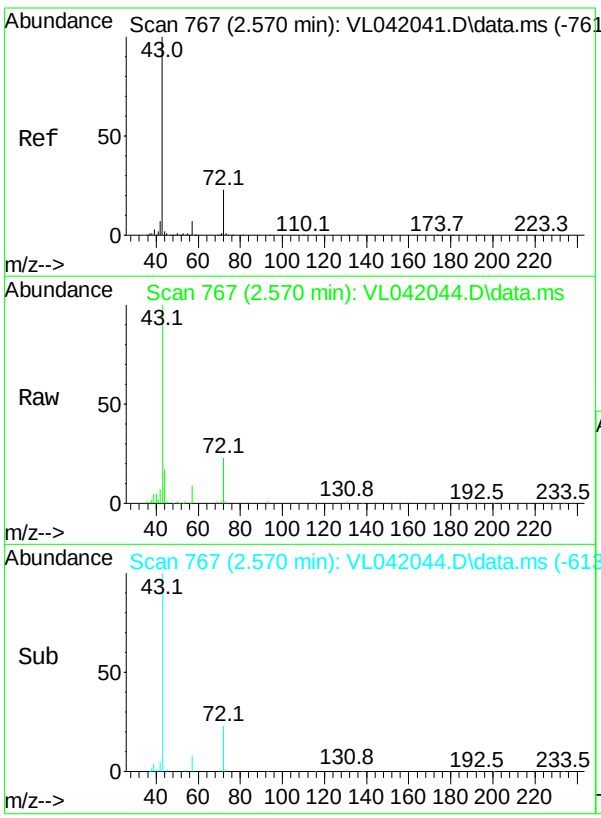
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 421340

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	18.3	14.3	21.5

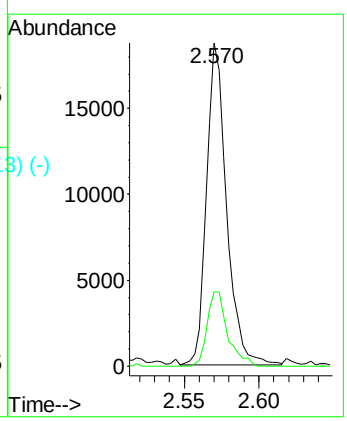


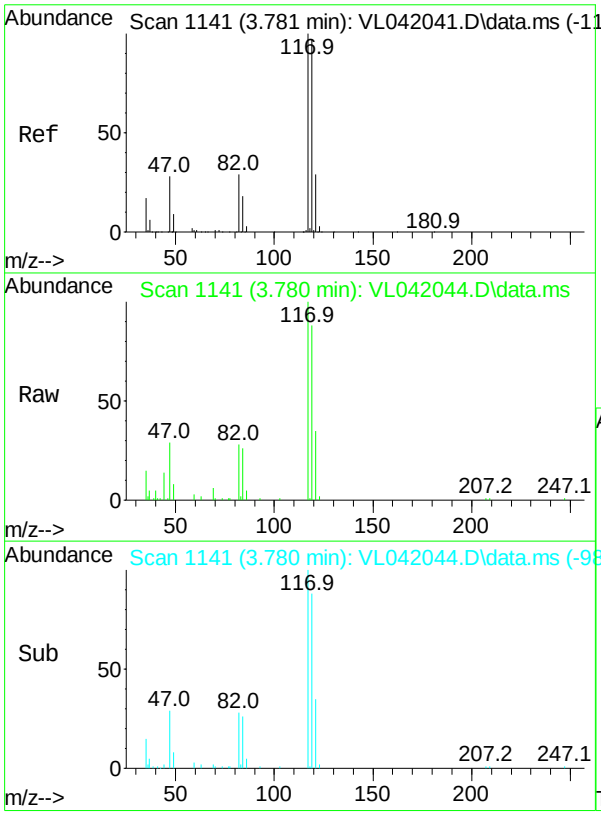


#34
2-Butanone
Concen: 0.484 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 17555

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.5	27.7



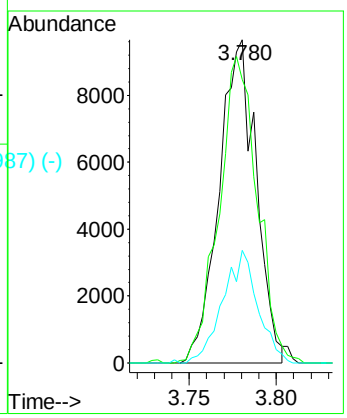


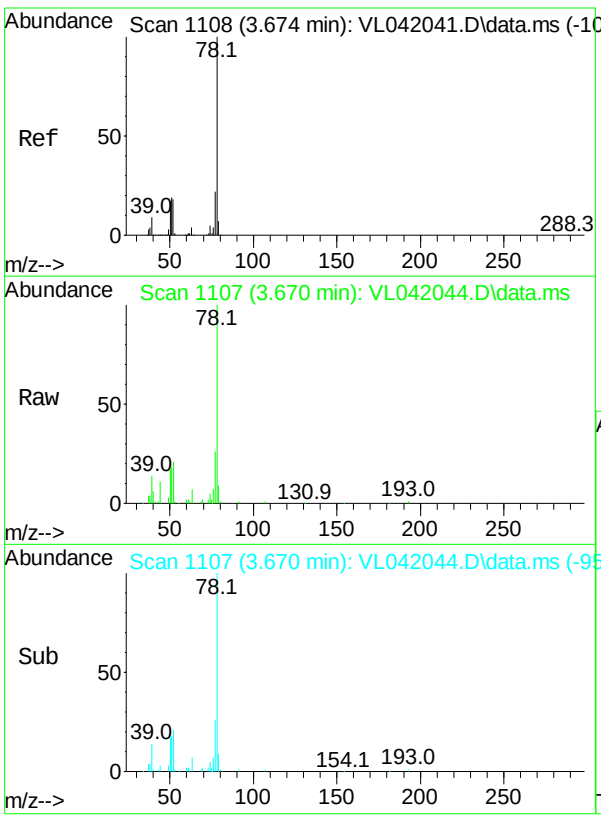
#85
Carbon Tetrachloride
Concen: 0.348 ppbv
RT: 3.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 14223

Ion	Ratio	Lower	Upper
117	100		
119	87.0	77.8	116.8
121	34.8	23.4	35.0

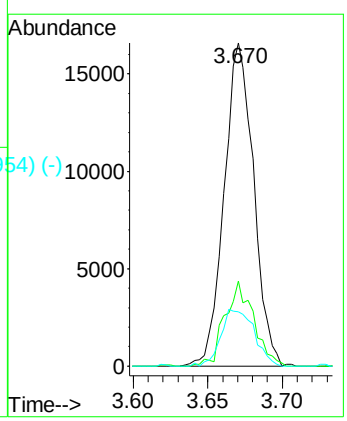


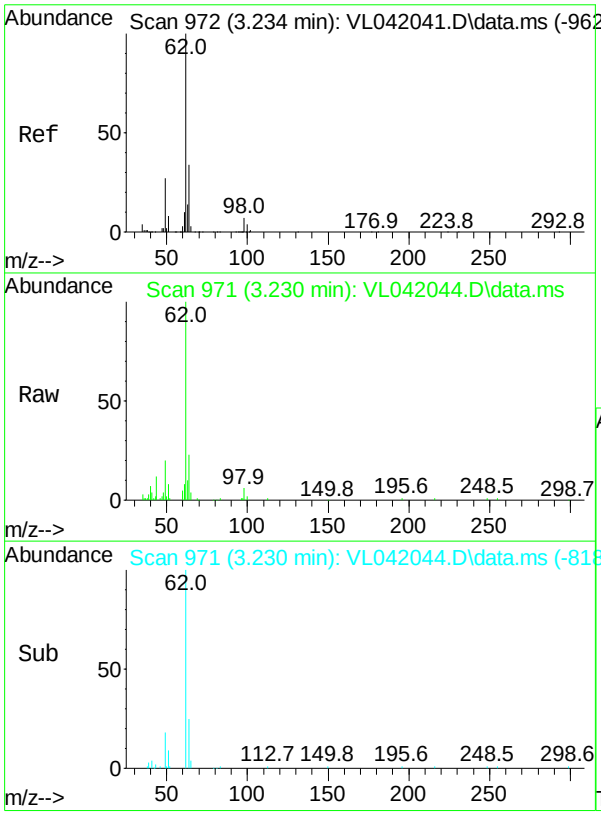


#36
Benzene
Concen: 0.445 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 78 Resp: 22728

Ion	Ratio	Lower	Upper
78	100		
77	26.3	17.7	26.5
50	16.9	13.9	20.9

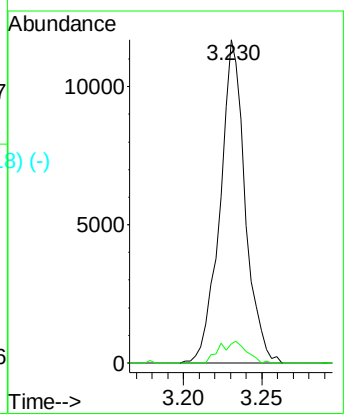




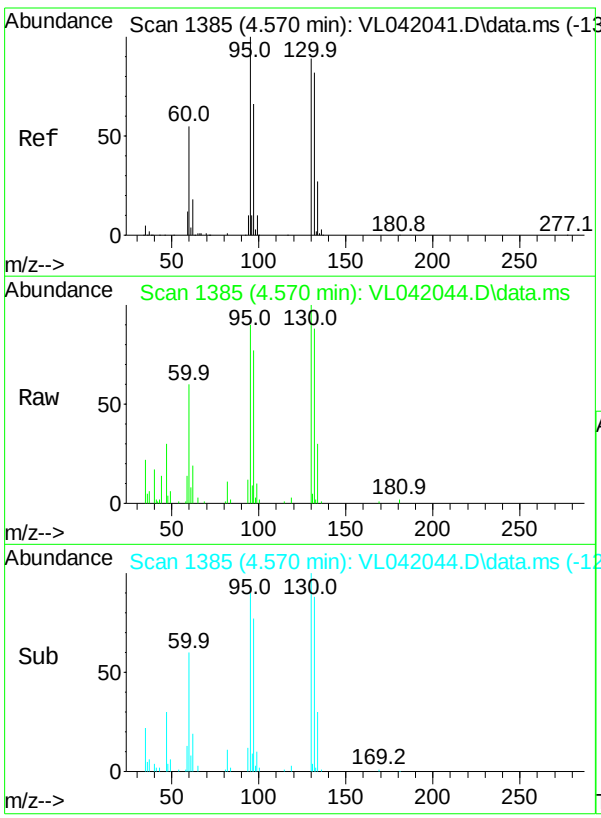
#37
1,2-Dichloroethane
Concen: 0.452 ppbv
RT: 3.230 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 62 Resp: 13141

Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.7	8.5



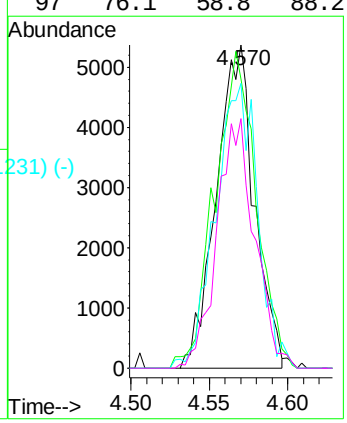
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

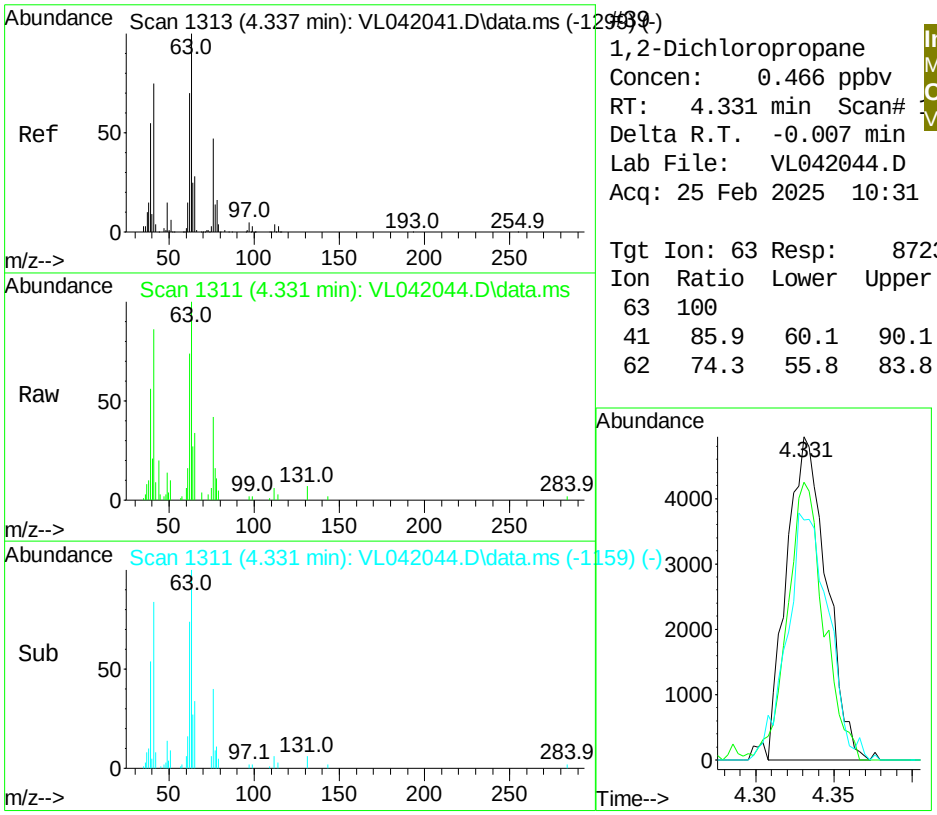


#38
Trichloroethene
Concen: 0.440 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:130 Resp: 9115

Ion	Ratio	Lower	Upper
130	100		
95	86.1	89.5	134.3#
132	85.3	73.8	110.6
97	76.1	58.8	88.2



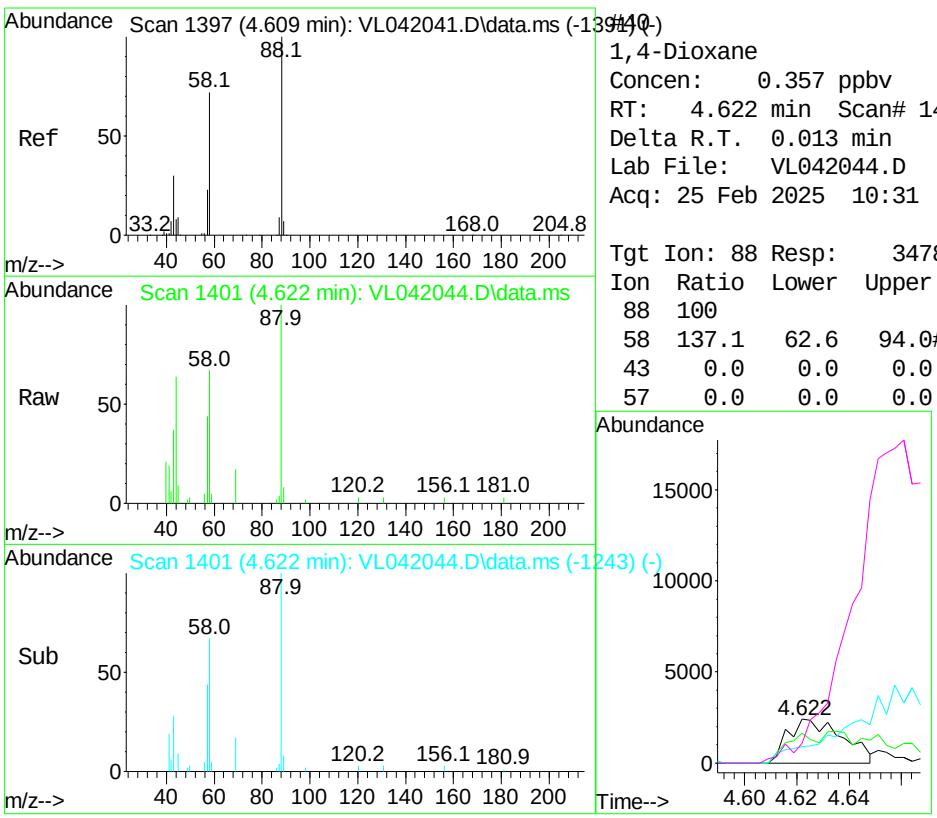


#89
1,2-Dichloropropane
Concen: 0.466 ppbv
RT: 4.331 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 8723

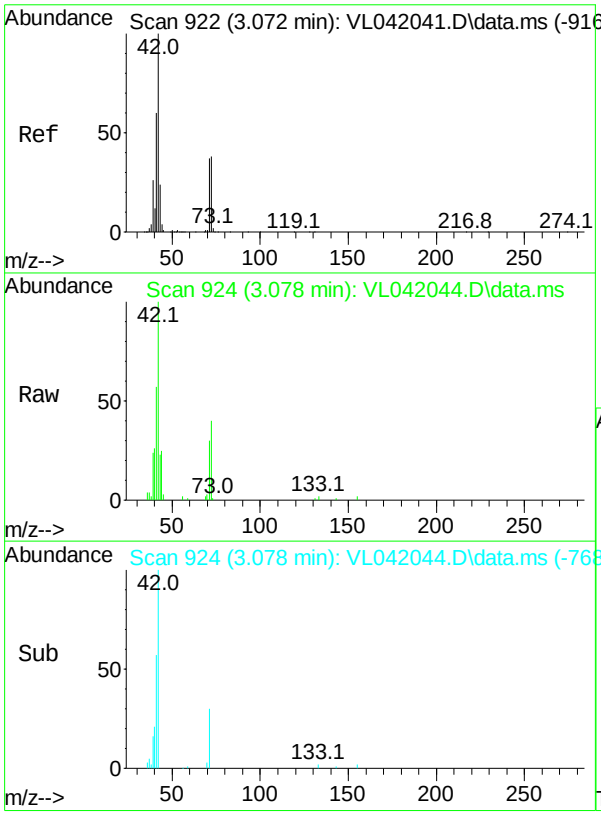
Ion	Ratio	Lower	Upper
63	100		
41	85.9	60.1	90.1
62	74.3	55.8	83.8



#90
1,4-Dioxane
Concen: 0.357 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 88 Resp: 3478

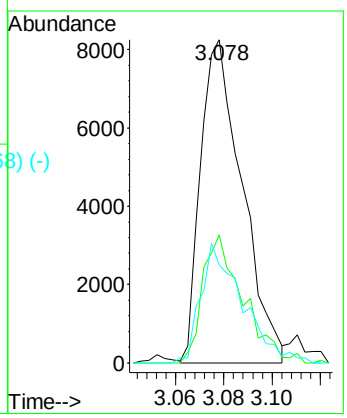
Ion	Ratio	Lower	Upper
88	100		
58	137.1	62.6	94.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

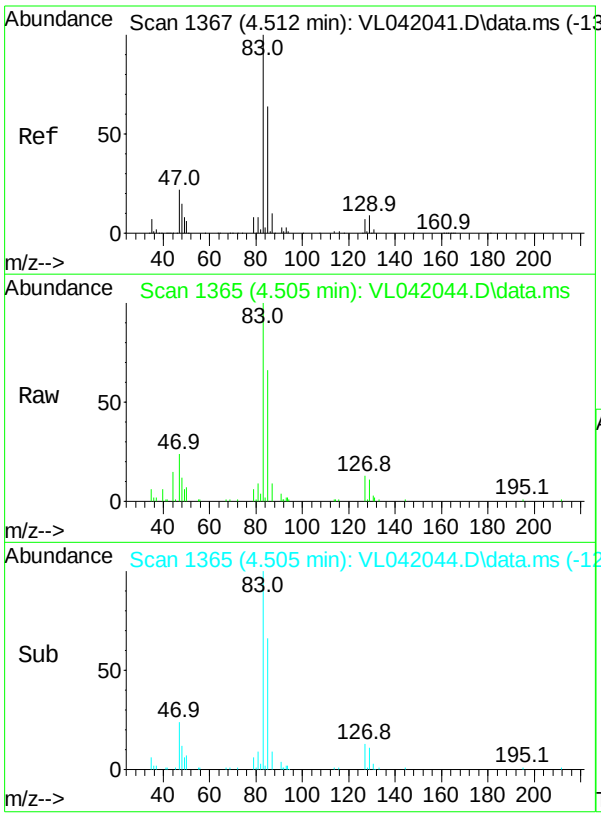


#41
Tetrahydrofuran
Concen: 0.477 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 42 Resp: 9880

Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.2	45.2
71	37.0	28.2	42.4

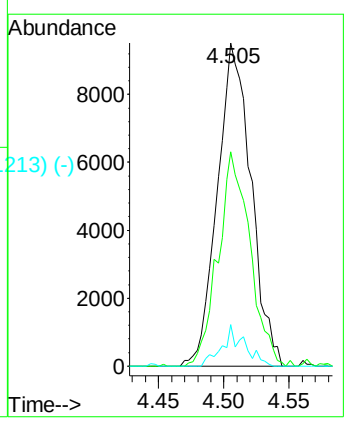




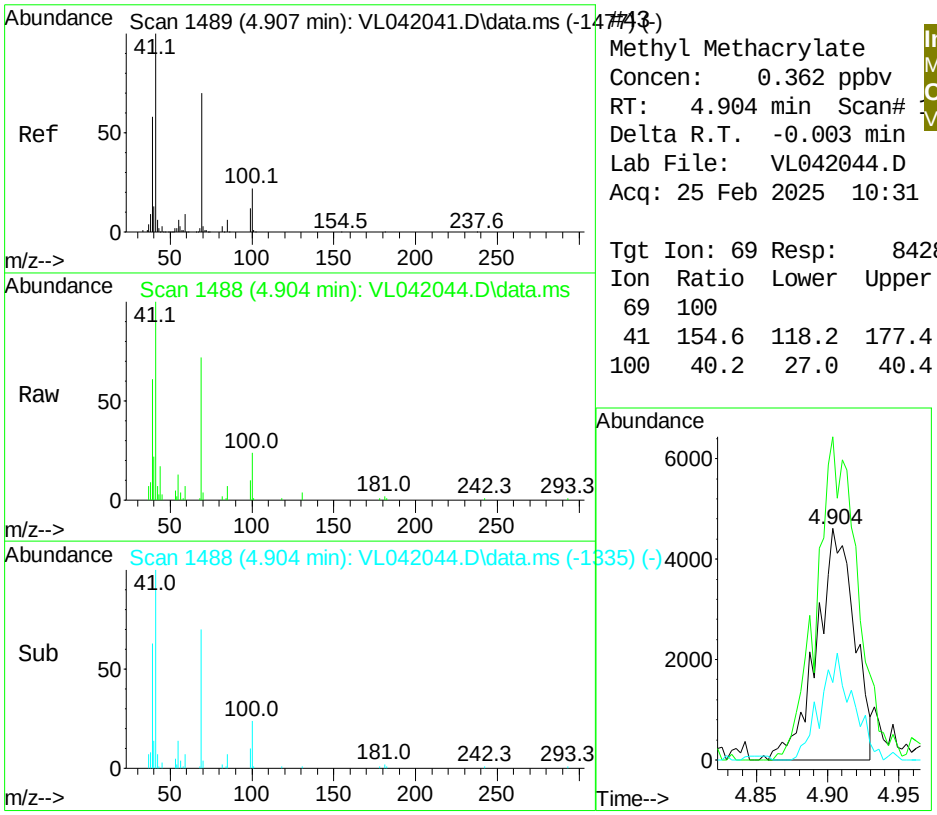
#42
Bromodichloromethane
Concen: 0.431 ppbv
RT: 4.505 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 16973

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.2
127	12.8	5.8	8.6#



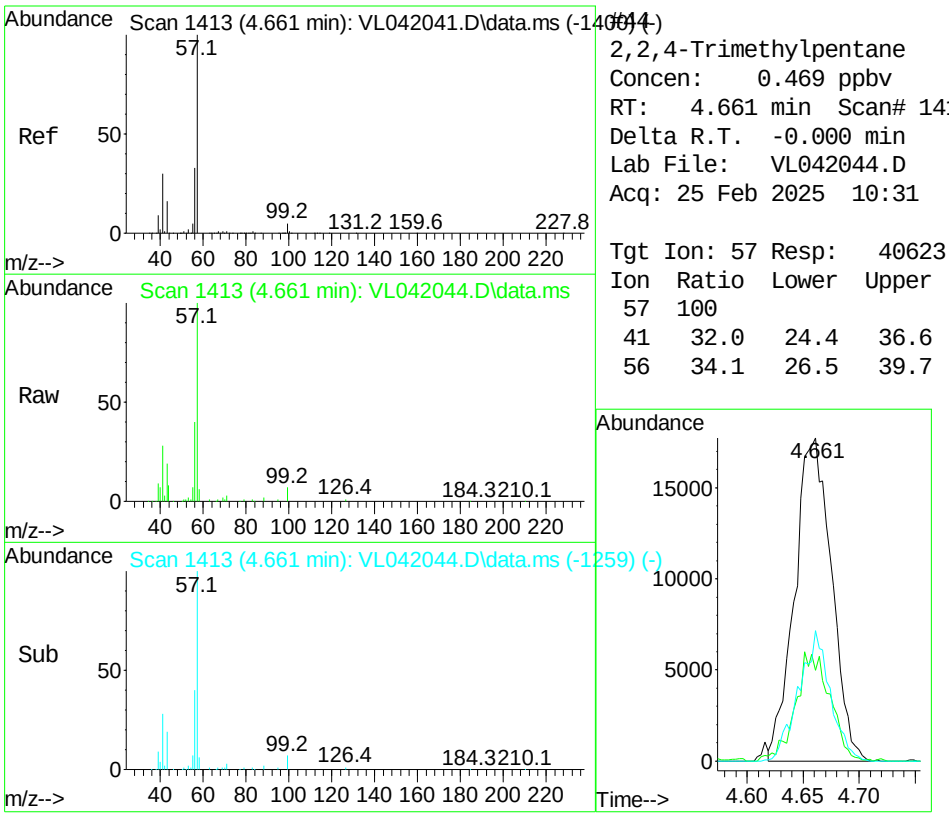
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



#43
Methyl Methacrylate
Concen: 0.362 ppbv
RT: 4.904 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 69 Resp: 8428

Ion	Ratio	Lower	Upper
69	100		
41	154.6	118.2	177.4
100	40.2	27.0	40.4

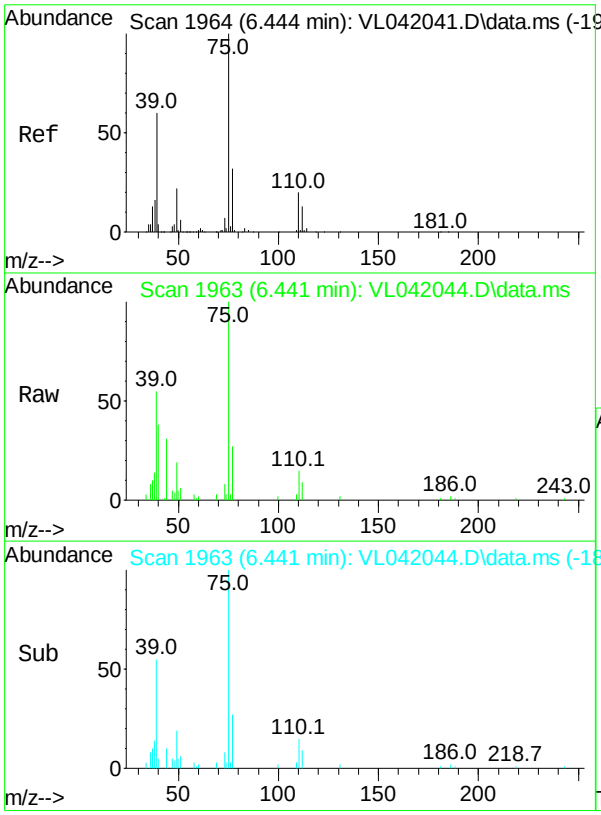


#44
2,2,4-Trimethylpentane
Concen: 0.469 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 40623

Ion	Ratio	Lower	Upper
57	100		
41	32.0	24.4	36.6
56	34.1	26.5	39.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

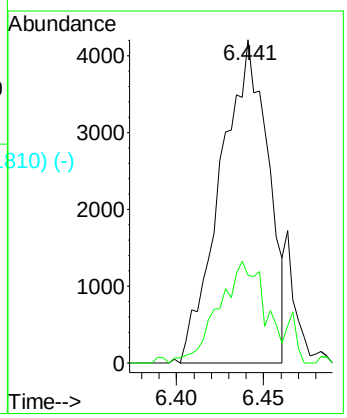


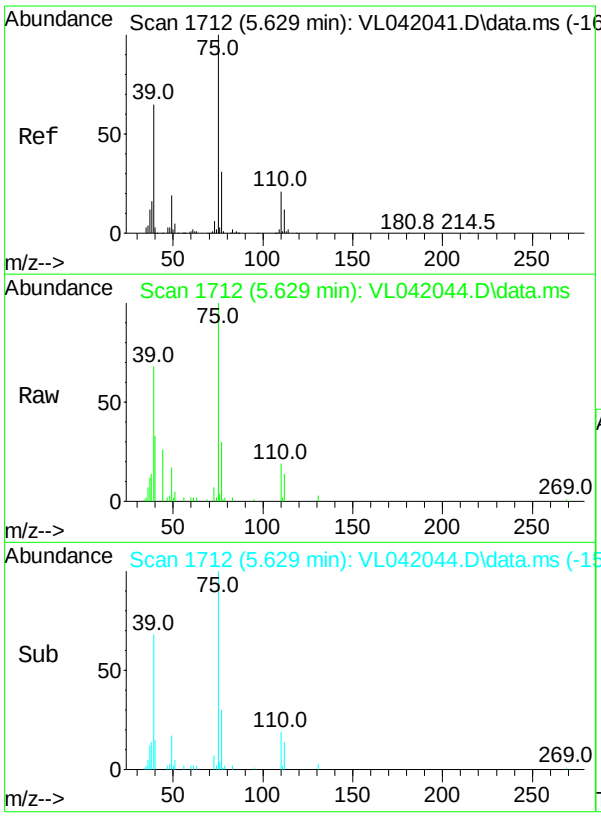
#45
t-1,3-Dichloropropene
Concen: 0.364 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 8004

Ion	Ratio	Lower	Upper
75	100		
77	27.0	25.9	38.9

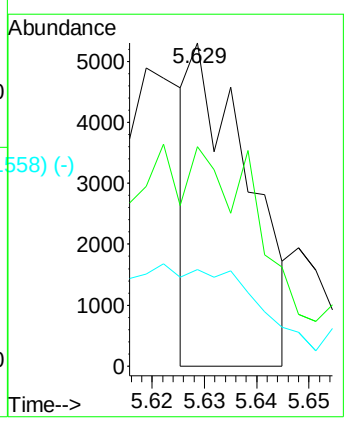


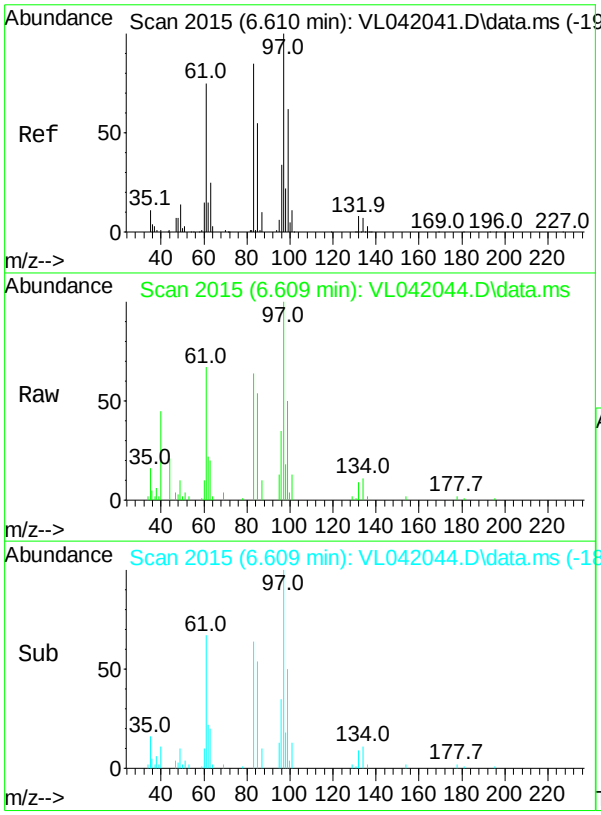


#46
cis-1,3-Dichloropropene
Concen: 0.145 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 75 Resp: 4036

Ion	Ratio	Lower	Upper
75	100		
39	55.1	51.9	77.9
77	26.6	24.9	37.3



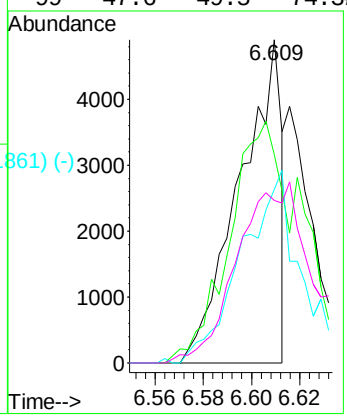


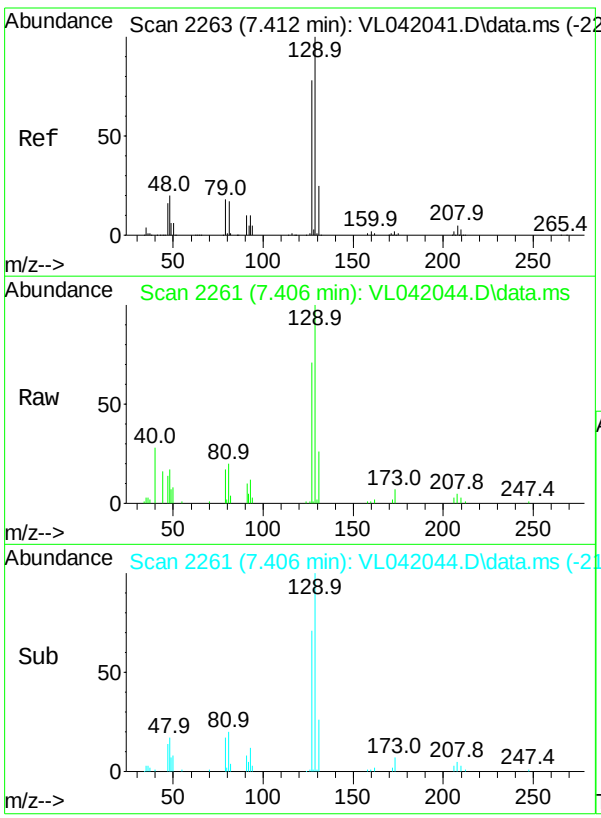
#47
1,1,2-Trichloroethane
Concen: 0.300 ppbv
RT: 6.609 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 5914

Ion	Ratio	Lower	Upper
97	100		
83	60.2	68.1	102.1#
85	53.7	44.0	66.0
99	47.6	49.5	74.3#

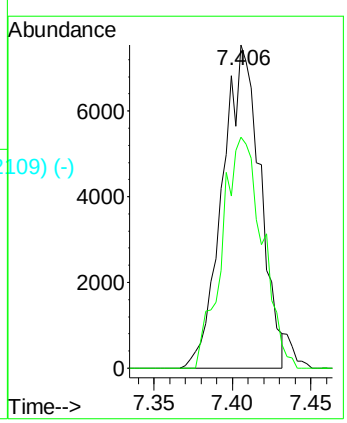


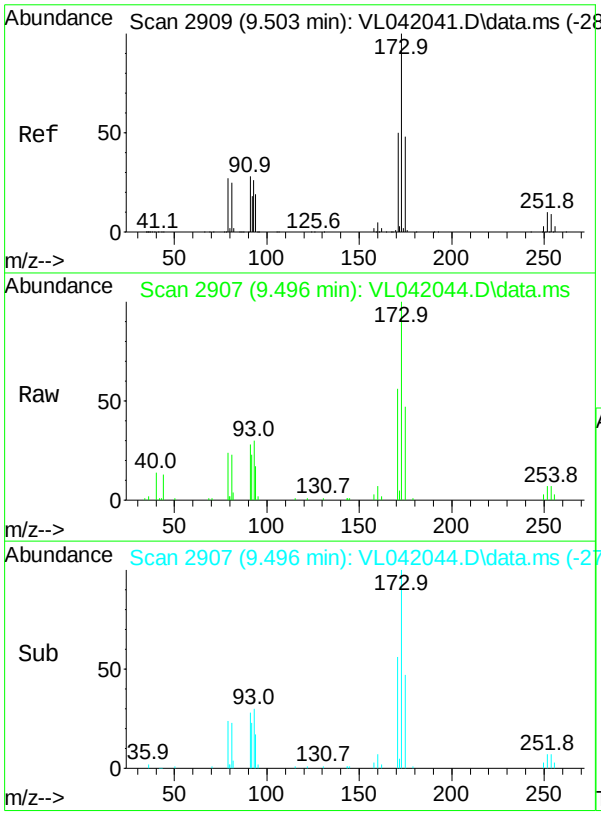


#48
Dibromochloromethane
Concen: 0.384 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:129 Resp: 12677

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.8

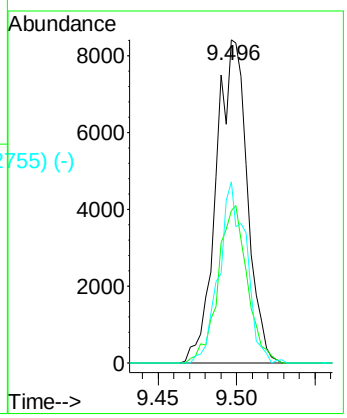




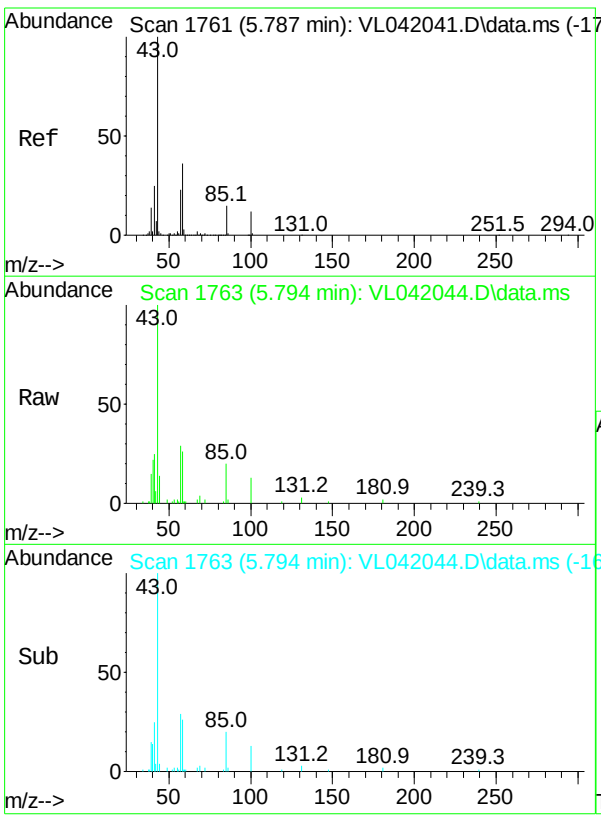
#49
Bromoform
Concen: 0.430 ppbv
RT: 9.496 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:173 Resp: 11640

Ion	Ratio	Lower	Upper
173	100		
175	46.0	38.3	57.5
171	48.8	40.2	60.2



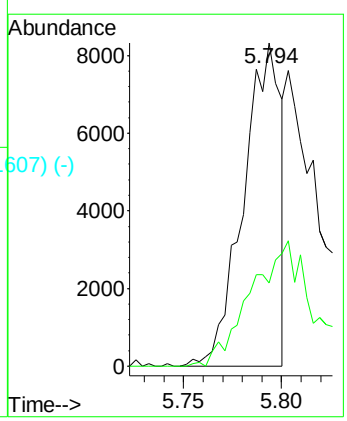
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

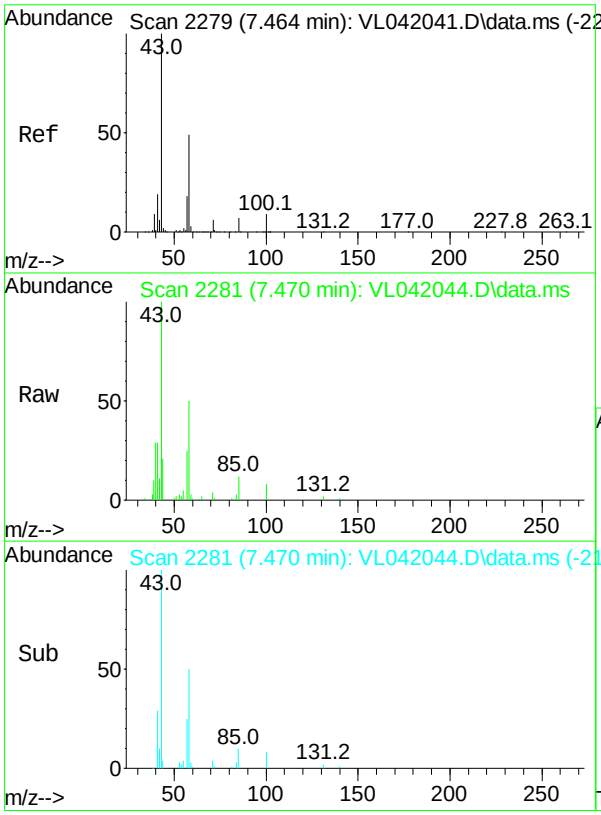


#50
4-Methyl-2-Pentanone
Concen: 0.198 ppbv
RT: 5.794 min Scan# 1763
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 11029

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#

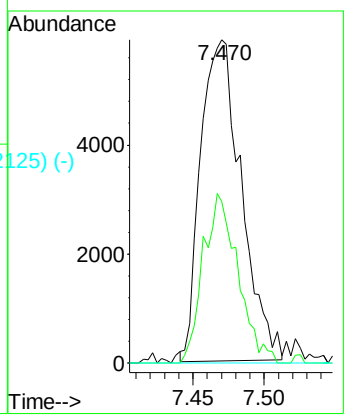


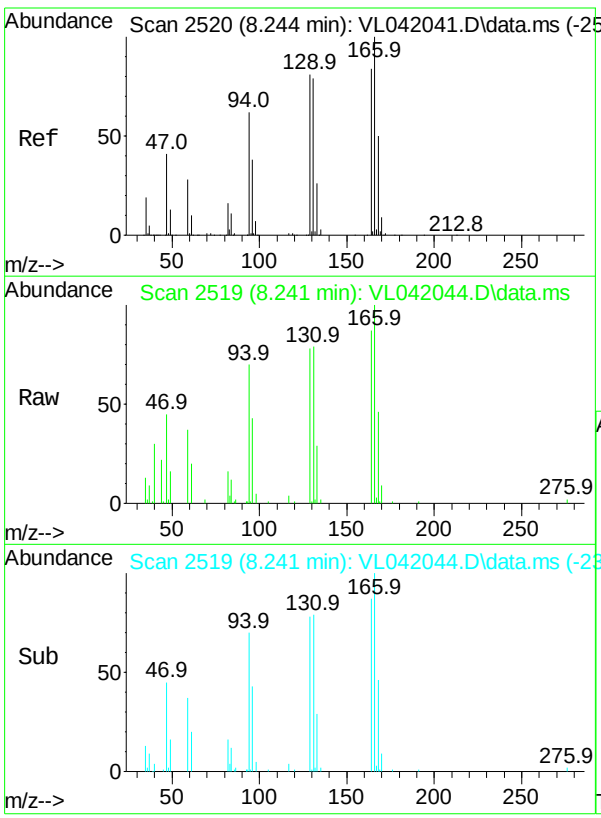


#51
2-Hexanone
Concen: 0.257 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 11717

Ion	Ratio	Lower	Upper
43	100		
58	45.4	39.0	58.6
98	0.0	0.1	0.1#

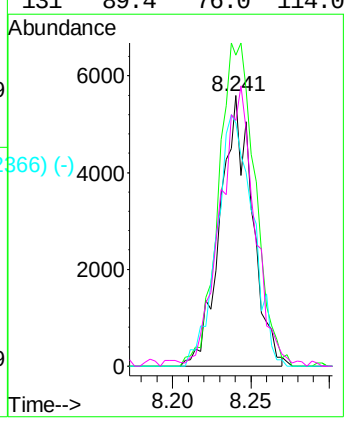




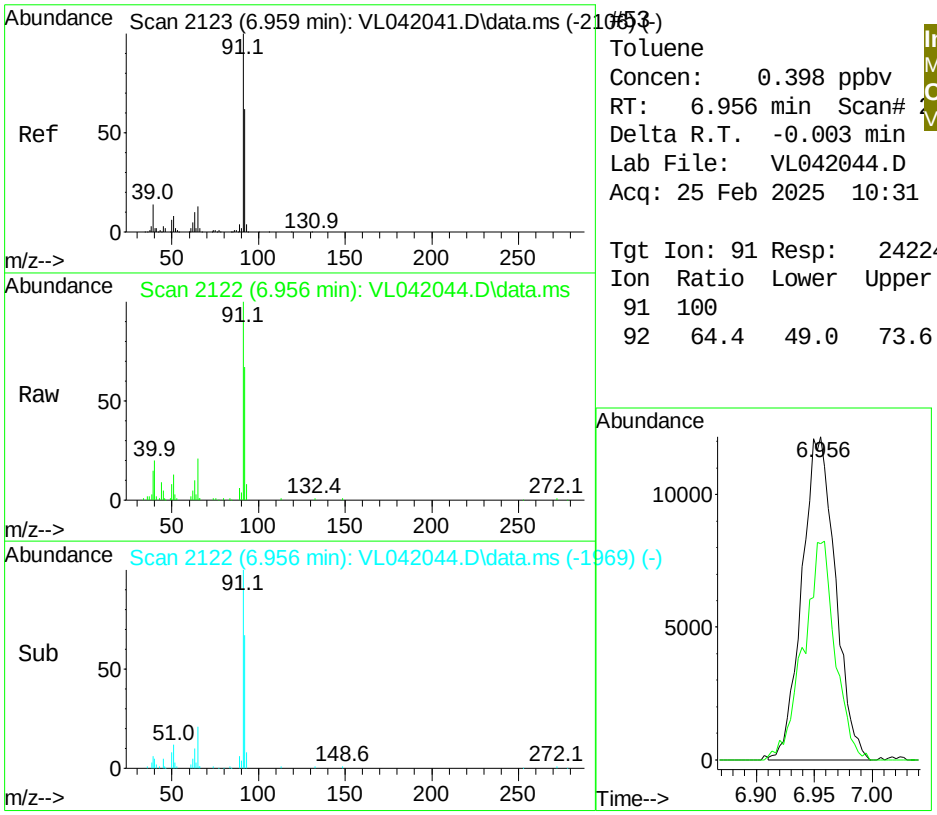
#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:164 Resp: 8012

Ion	Ratio	Lower	Upper
164	100		
166	114.8	95.7	143.5
129	89.8	77.1	115.7
131	89.4	76.0	114.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

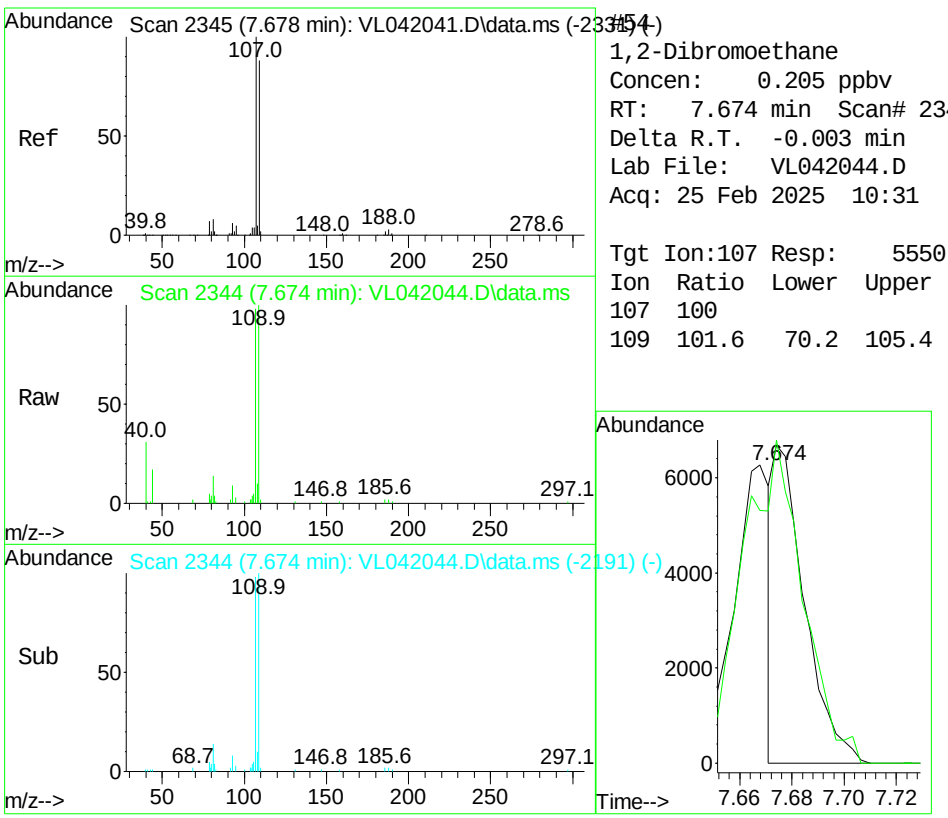


#53
Toluene
Concen: 0.398 ppbv
RT: 6.956 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 24224

Ion	Ratio	Lower	Upper
91	100		
92	64.4	49.0	73.6

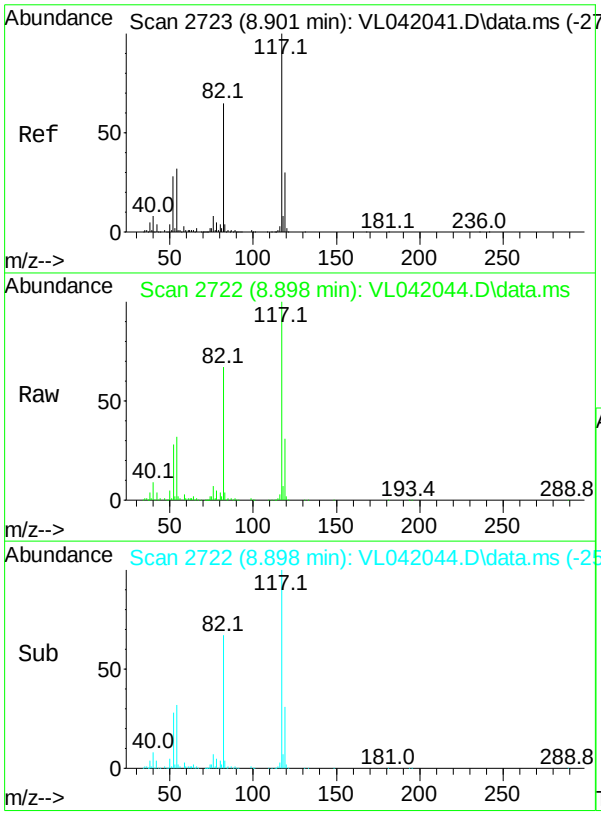
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



#54
1,2-Dibromoethane
Concen: 0.205 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:107 Resp: 5550

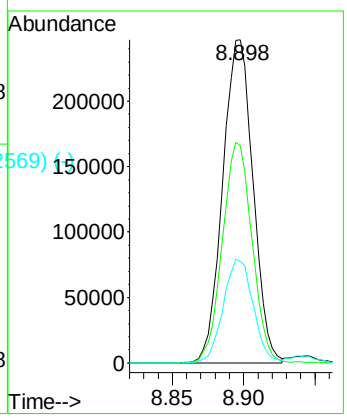
Ion	Ratio	Lower	Upper
107	100		
109	101.6	70.2	105.4



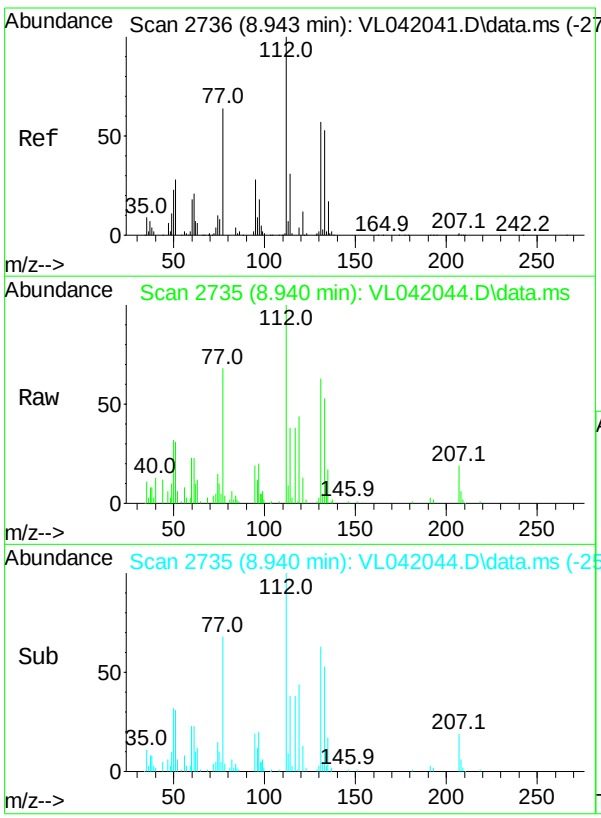
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:117 Resp: 365954

Ion	Ratio	Lower	Upper
117	100		
82	66.8	55.0	82.6
119	33.5	25.9	38.9



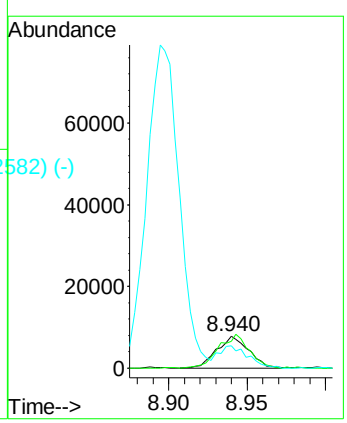
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

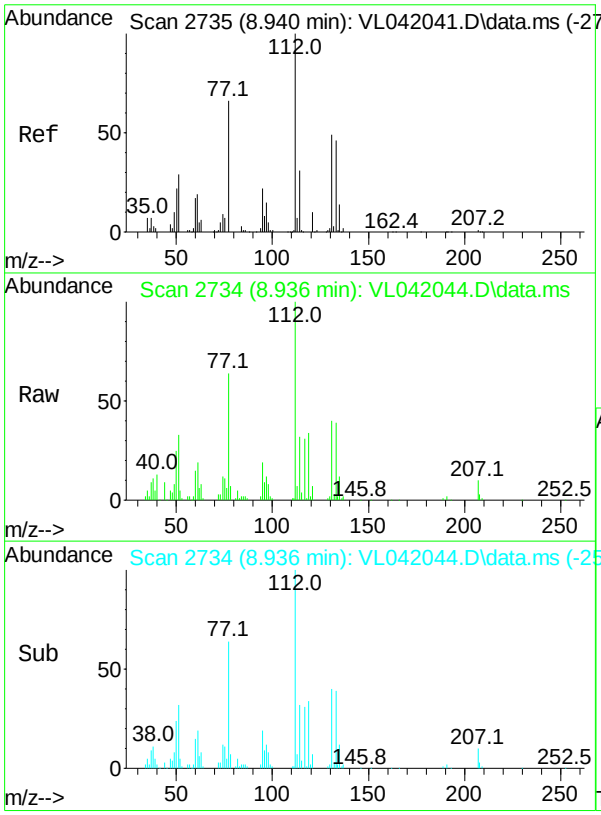


#56
1,1,1,2-Tetrachloroethane
Concen: 0.424 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:131 Resp: 11100

Ion	Ratio	Lower	Upper
131	100		
133	103.4	75.8	113.8
119	0.0	52.1	78.1#

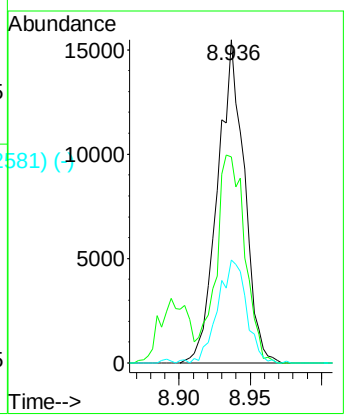


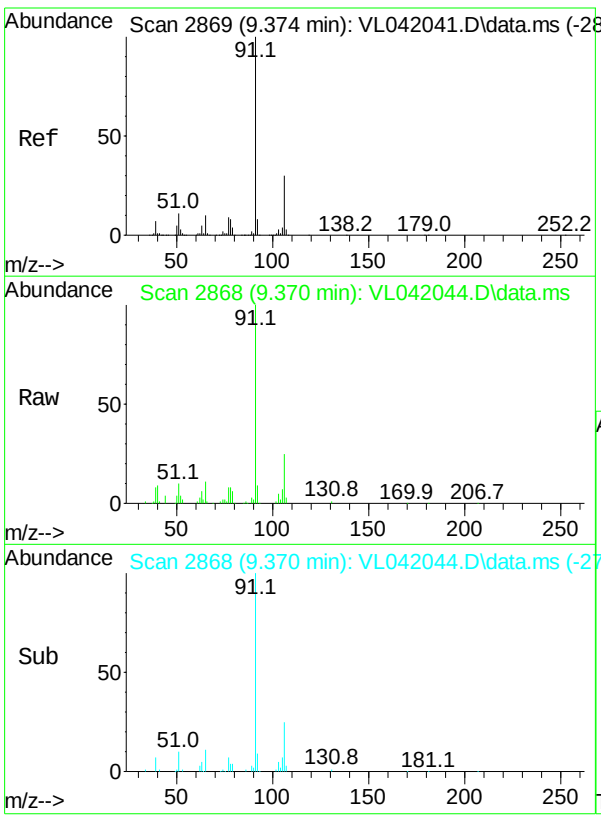


#57
Chlorobenzene
Concen: 0.468 ppbv
RT: 8.936 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:112 Resp: 20167

Ion	Ratio	Lower	Upper
112	100		
77	63.8	53.4	80.2
114	31.9	28.3	34.5

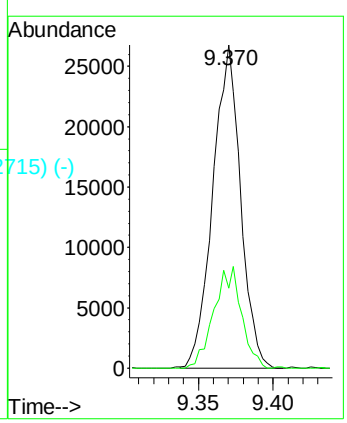




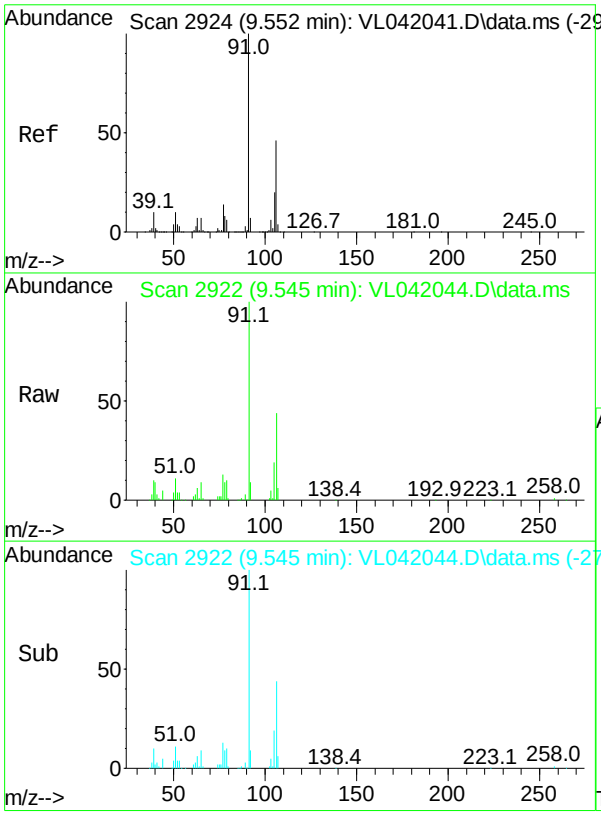
#58
Ethyl Benzene
Concen: 0.431 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 34506

Ion	Ratio	Lower	Upper
91	100		
106	24.8	24.2	36.2



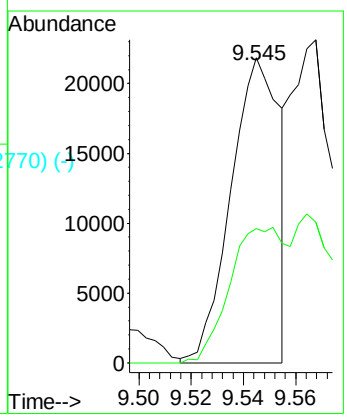
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



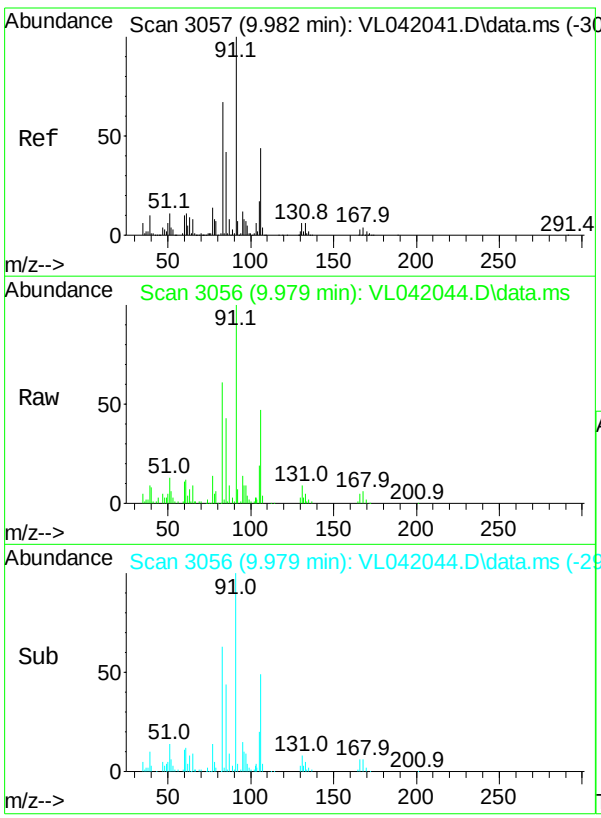
#59
m/p-Xylene
Concen: 0.446 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 28109

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



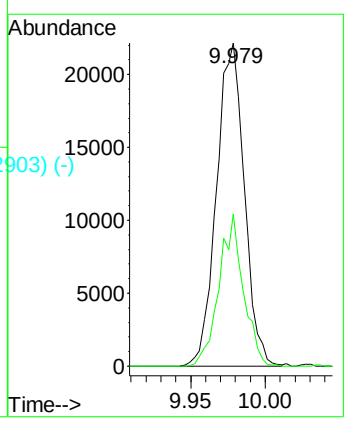
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

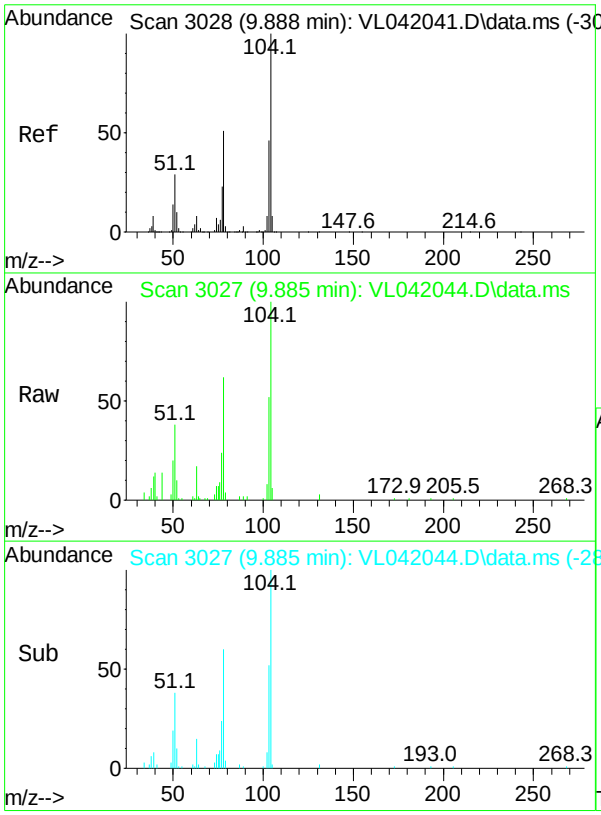


#60
o-Xylene
Concen: 0.451 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 28757

Ion	Ratio	Lower	Upper
91	100		
106	41.3	22.3	66.8

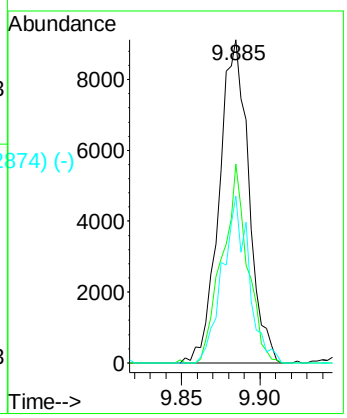




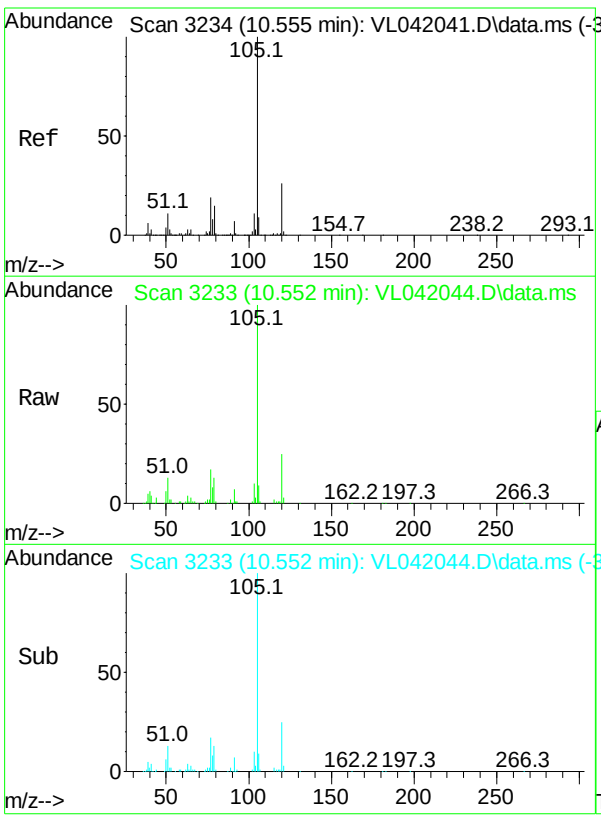
#61
Styrene
Concen: 0.396 ppbv
RT: 9.885 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:104 Resp: 12051

Ion	Ratio	Lower	Upper
104	100		
78	52.9	41.0	61.4
103	46.1	37.0	55.6



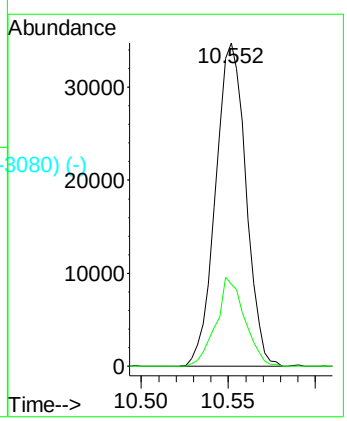
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

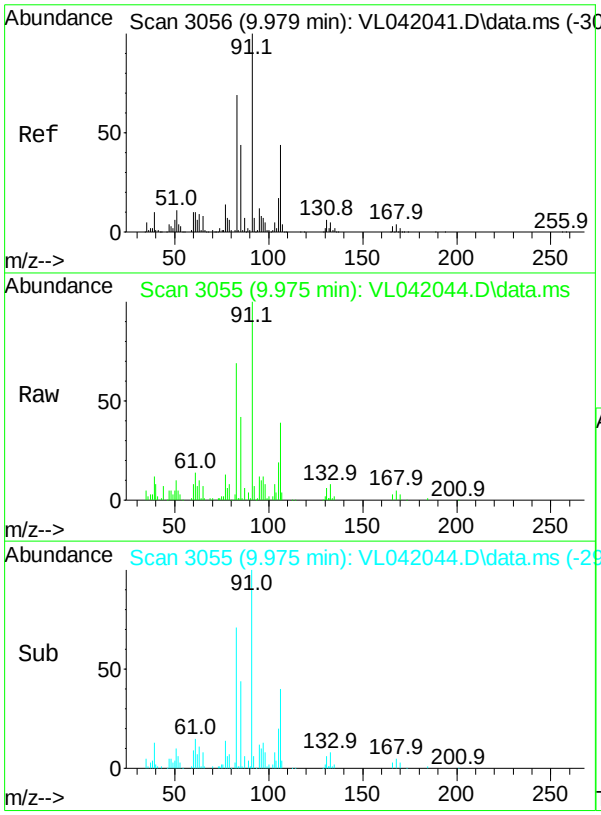


#62
Isopropylbenzene
Concen: 0.439 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 42074

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1

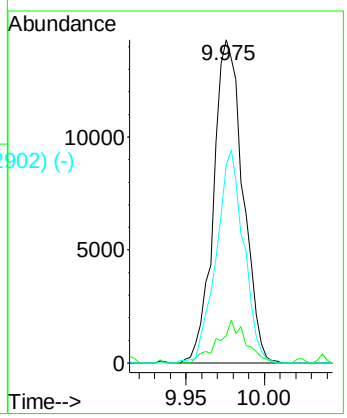




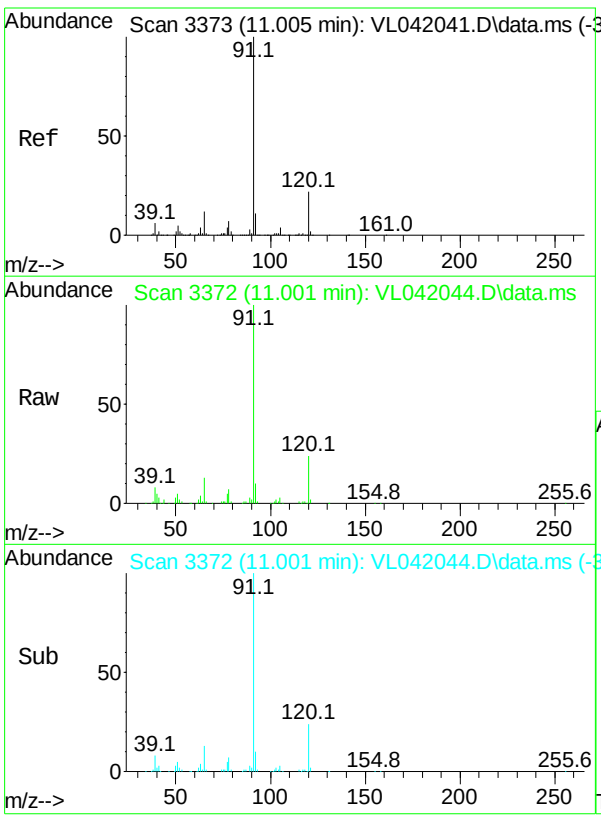
#63
1,1,2,2-Tetrachloroethan
Concen: 0.456 ppbv
RT: 9.975 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 18774

Ion	Ratio	Lower	Upper
83	100		
131	12.5	4.5	13.7
85	61.7	32.1	96.3



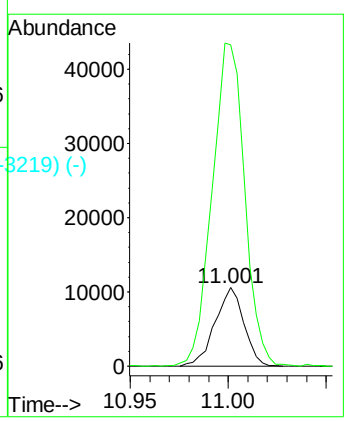
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

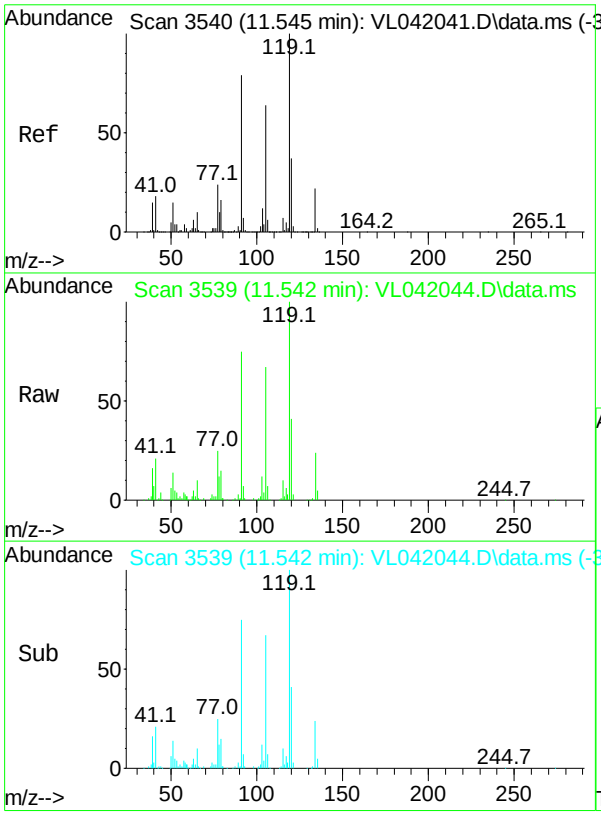


#64
n-propylbenzene
Concen: 0.463 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:120 Resp: 10900

Ion	Ratio	Lower	Upper
120	100		
91	464.2	370.6	556.0

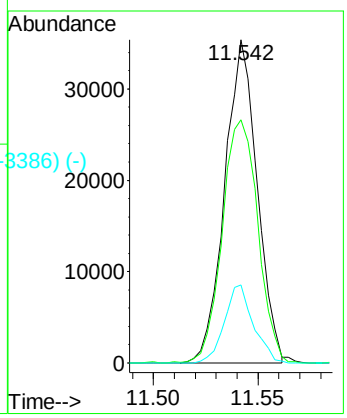


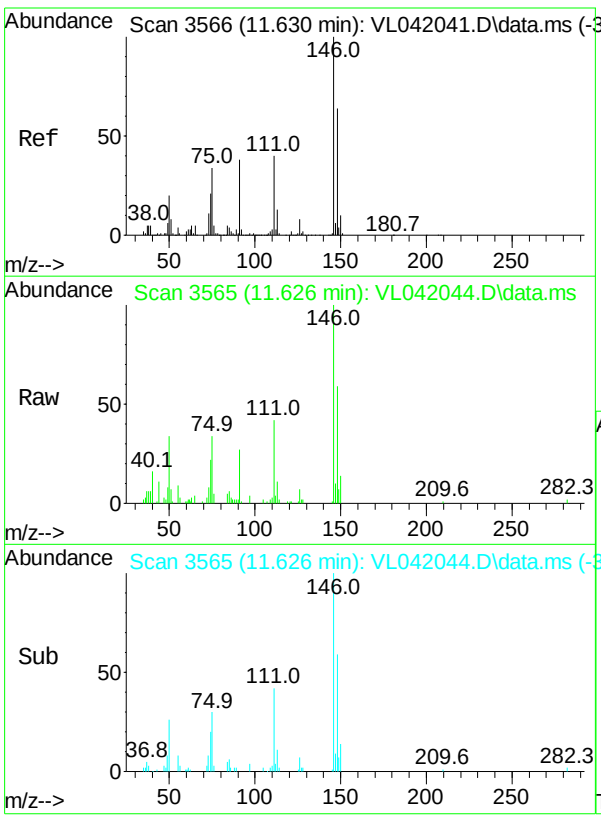


#65
tert-Butylbenzene
Concen: 0.456 ppbv
RT: 11.542 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:119 Resp: 38066

Ion	Ratio	Lower	Upper
119	100		
91	82.9	64.2	96.2
134	21.5	17.4	26.2

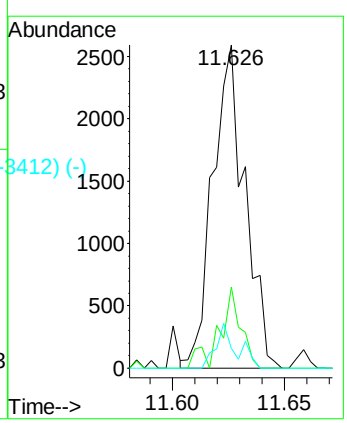




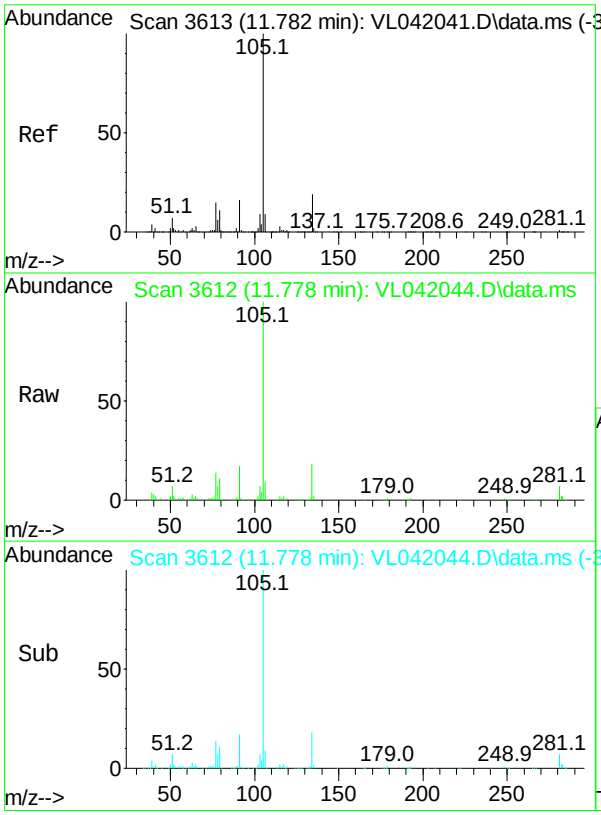
#66
Benzyl Chloride
Concen: 0.309 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 2589

Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.5	21.7
128	8.7	5.4	8.2#



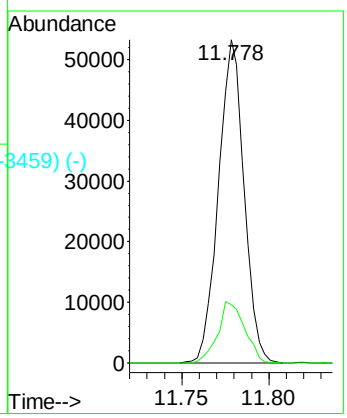
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



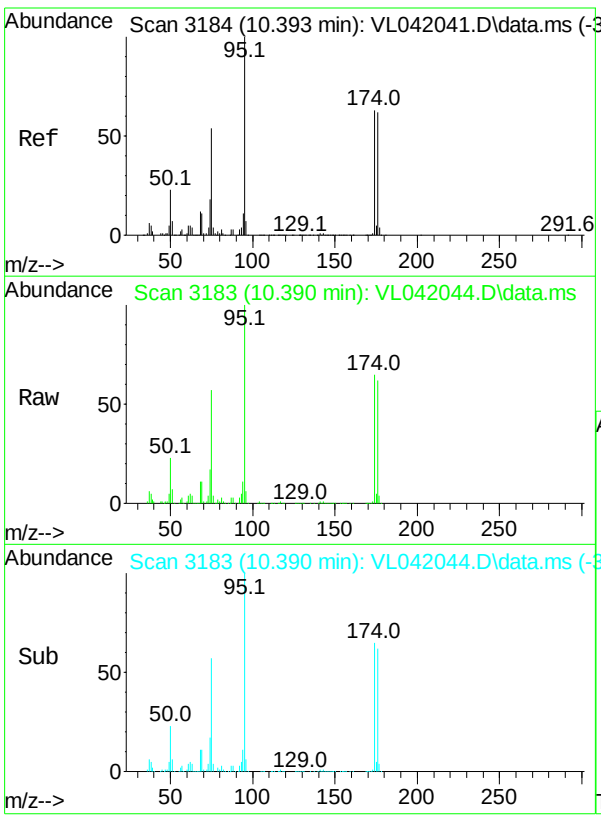
#67
sec-Butylbenzene
Concen: 0.464 ppbv
RT: 11.778 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 54394

Ion	Ratio	Lower	Upper
105	100		
134	19.9	14.9	22.3



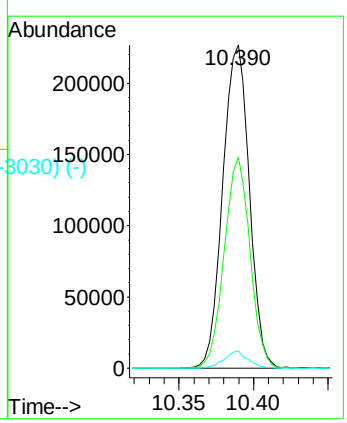
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

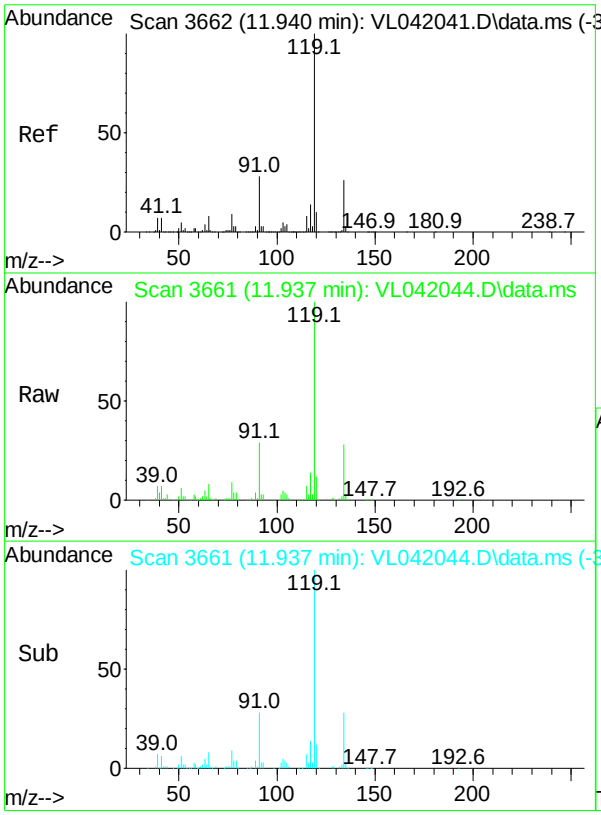


#68
1-Bromo-4-Fluorobenzene
Concen: 9.310 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 95 Resp: 281042

Ion	Ratio	Lower	Upper
95	100		
174	63.4	51.8	77.6
175	4.6	3.9	5.9

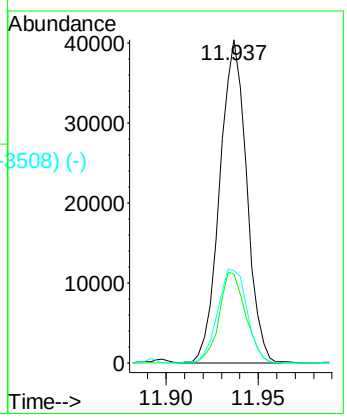




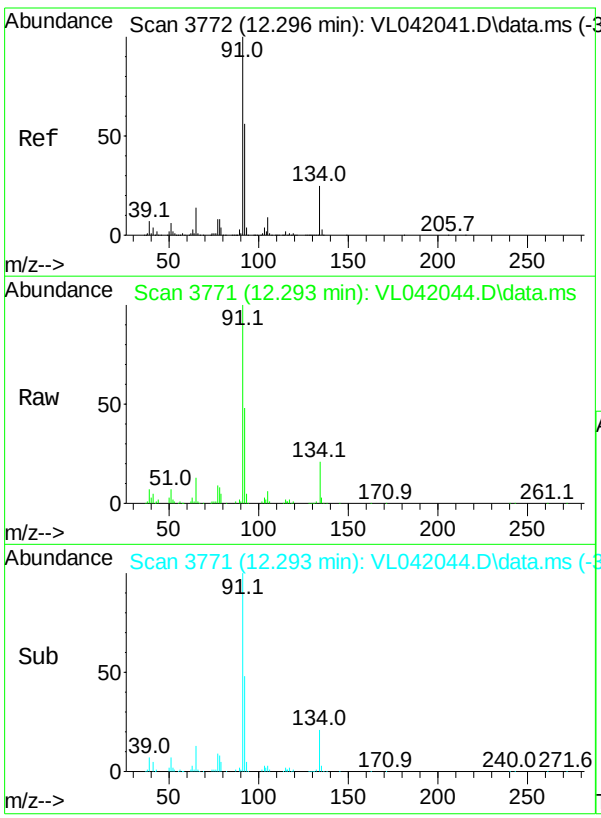
#69
p-Isopropyltoluene
Concen: 0.427 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:119 Resp: 40978

Ion	Ratio	Lower	Upper
119	100		
134	27.7	20.9	31.3
91	32.2	23.1	34.7



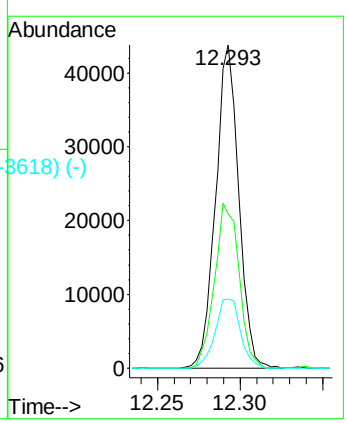
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

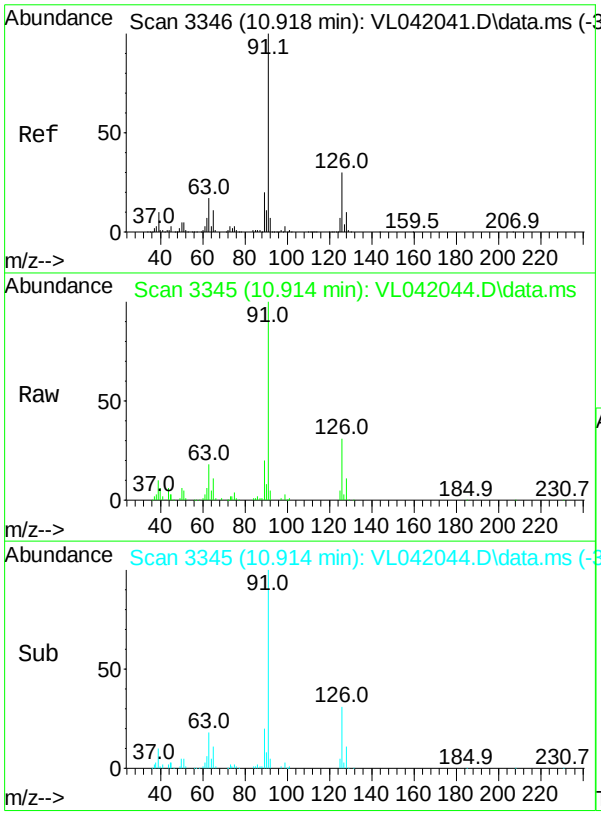


#70
n-Butylbenzene
Concen: 0.451 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 42673

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.7	67.1
134	23.5	18.9	28.3

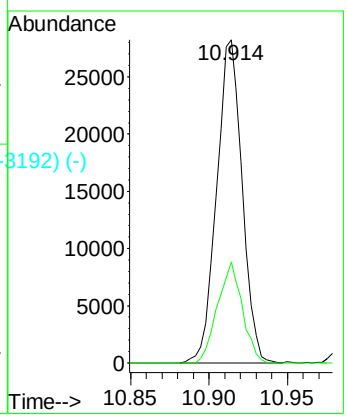


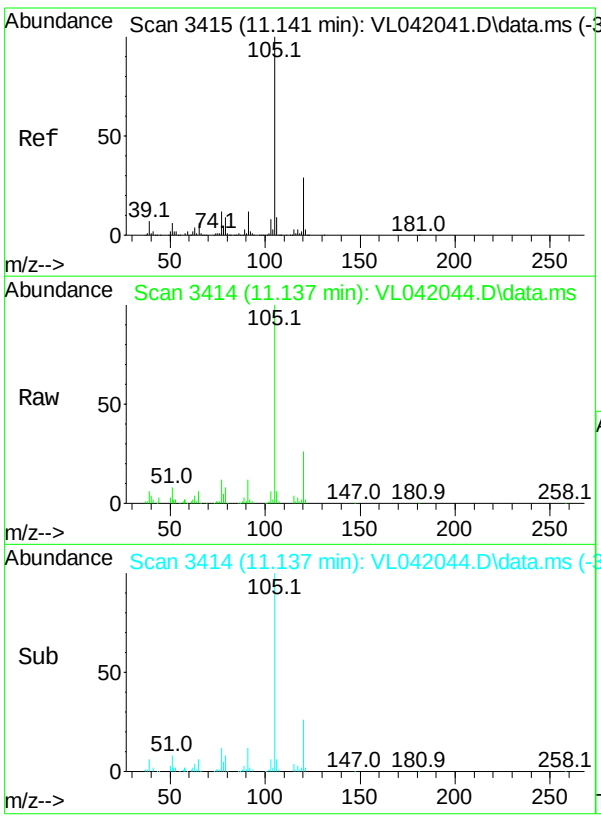


#71
2-Chlorotoluene
Concen: 0.446 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 32161

Ion	Ratio	Lower	Upper
91	100		
126	30.2	11.9	47.5

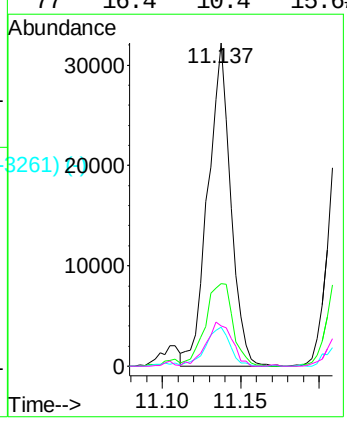




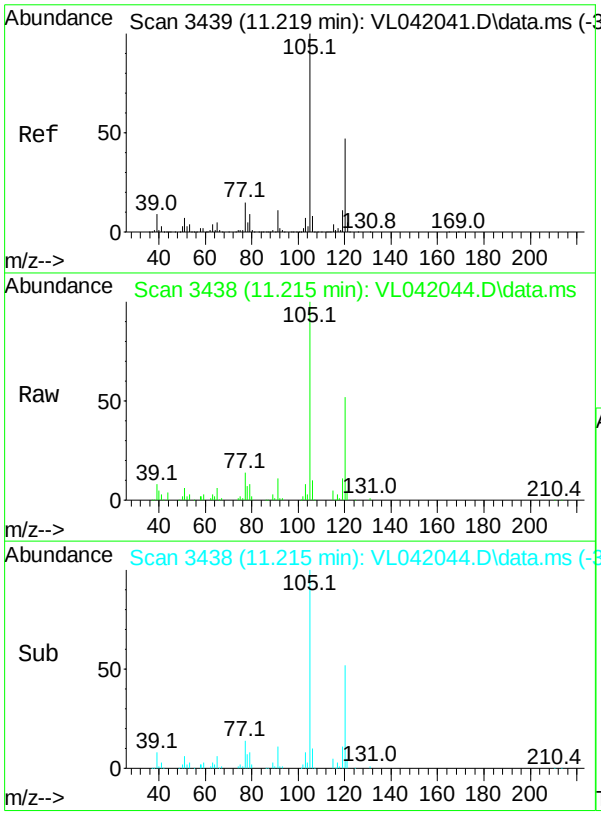
#72
4-Ethyltoluene
Concen: 0.434 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 32477

Ion	Ratio	Lower	Upper
105	100		
120	32.5	24.1	36.1
91	13.6	10.2	15.4
77	16.4	10.4	15.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

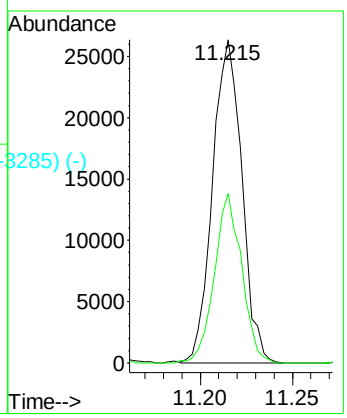


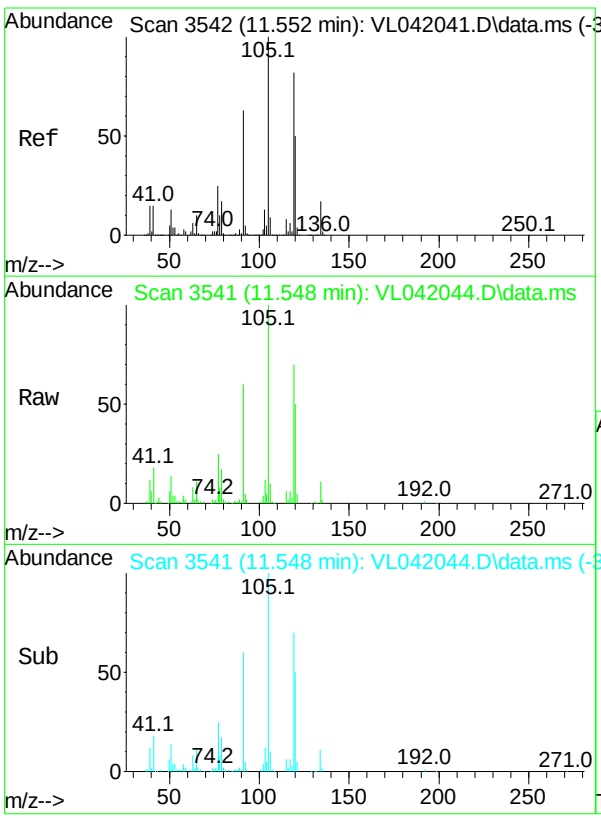
#73
1,3,5-Trimethylbenzene
Concen: 0.452 ppbv
RT: 11.215 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 29130

Ion	Ratio	Lower	Upper
105	100		
120	52.4	37.4	56.0

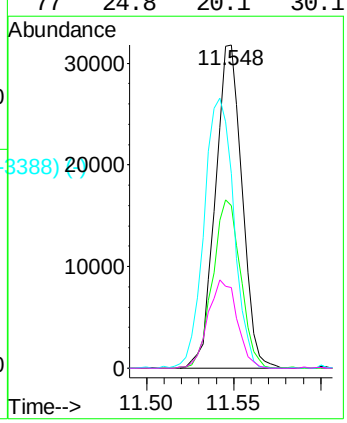


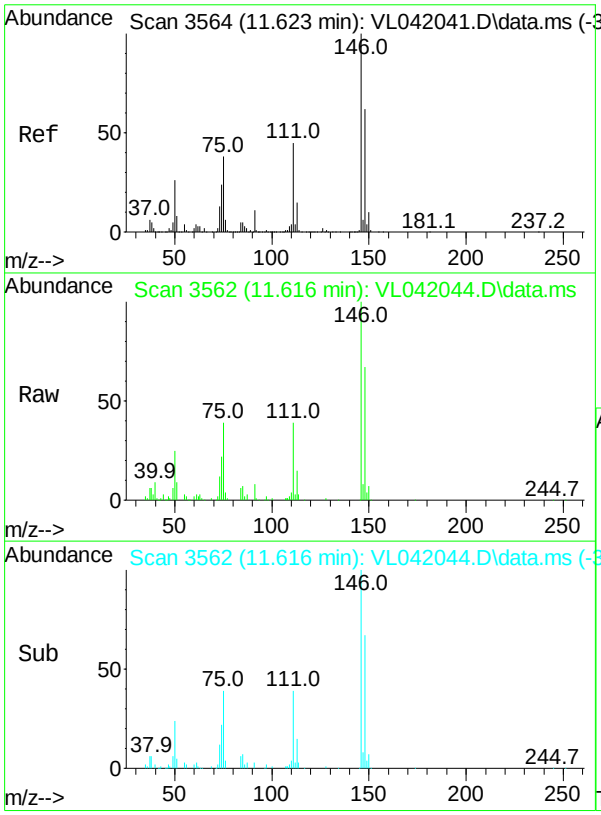


#74
1,2,4-Trimethylbenzene
Concen: 0.491 ppbv
RT: 11.548 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 33950

Ion	Ratio	Lower	Upper
105	100		
120	50.1	40.2	60.2
91	60.2	51.4	77.2
77	24.8	20.1	30.1



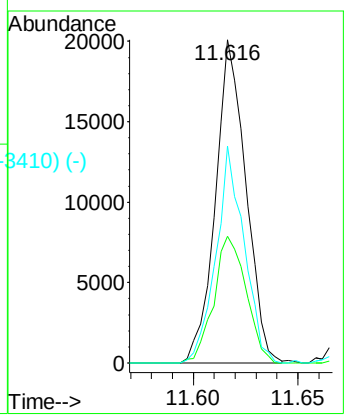


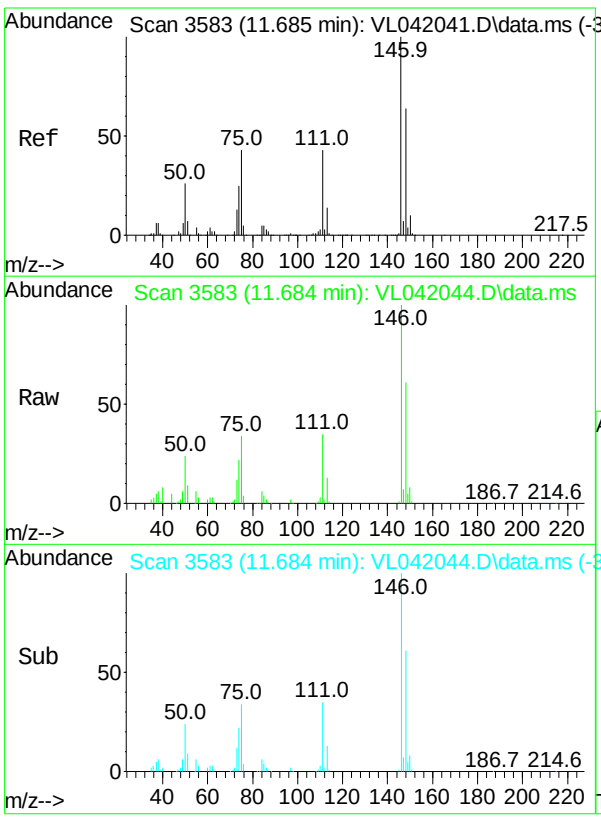
#75

1,3-Dichlorobenzene
Concen: 0.546 ppbv
RT: 11.616 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 20339

Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.4	67.2
148	61.9	32.3	96.8



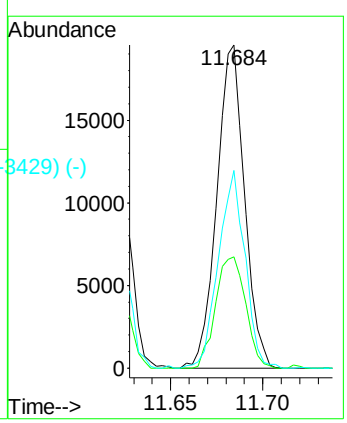


#76

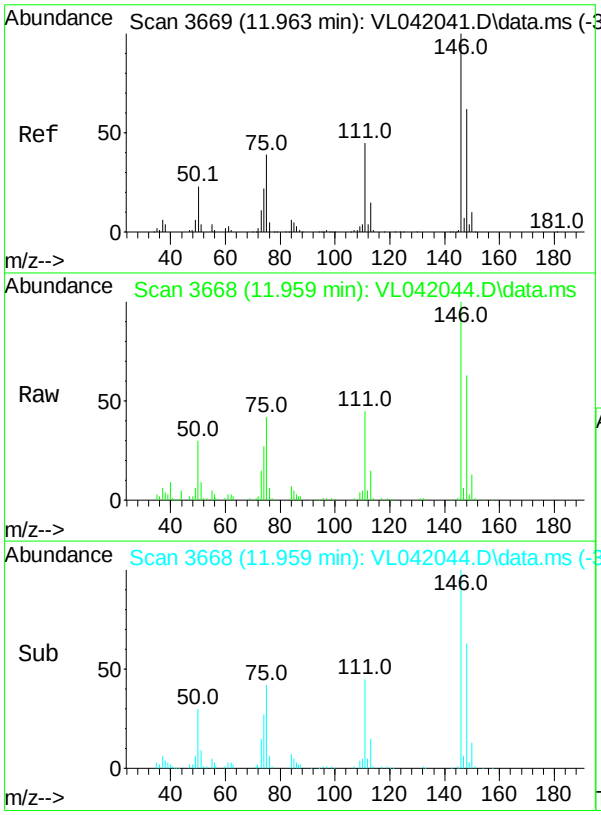
1,4-Dichlorobenzene
Concen: 0.564 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 20492

Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.5	64.5
148	58.8	31.6	95.0



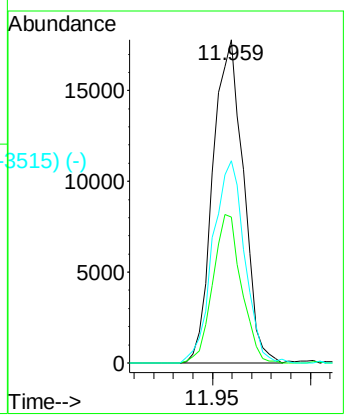
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

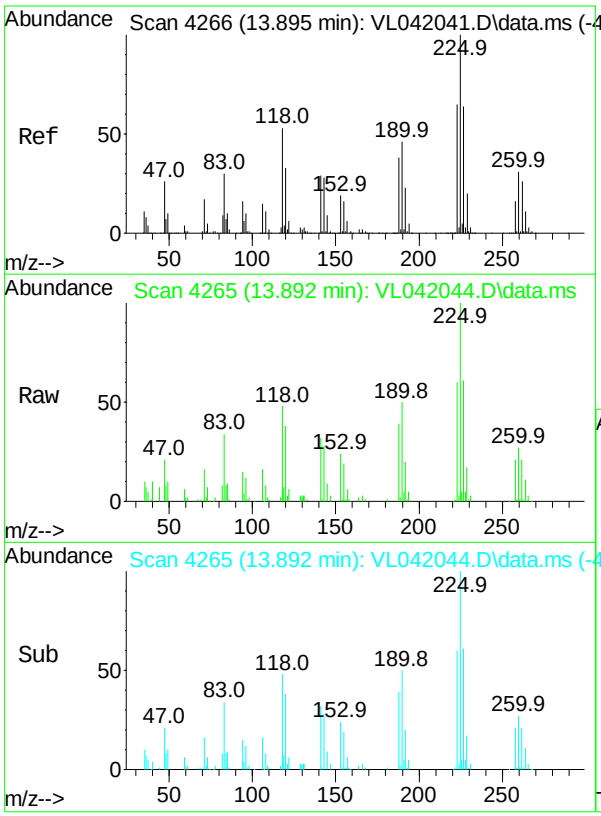


#57
1,2-Dichlorobenzene
Concen: 0.544 ppbv
RT: 11.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 19373

Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.2	69.6
148	65.0	31.4	94.2

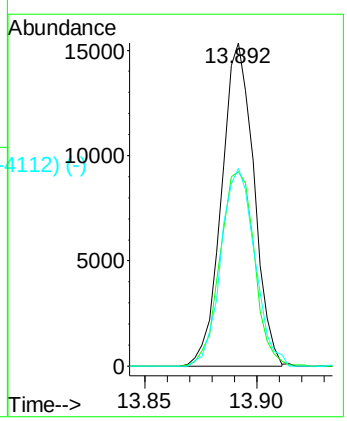




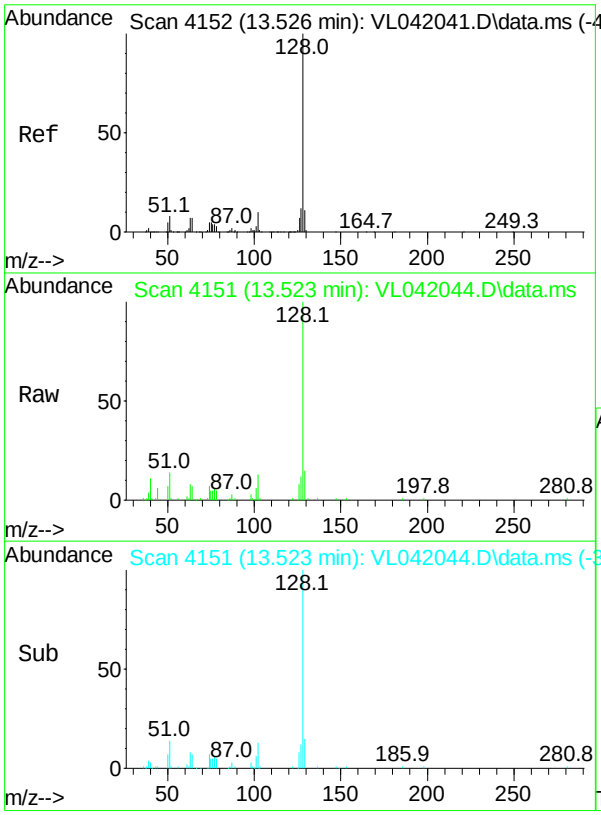
#58
Hexachloro-1,3-Butadiene
Concen: 0.522 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:225 Resp: 15367

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	64.0	50.8	76.2



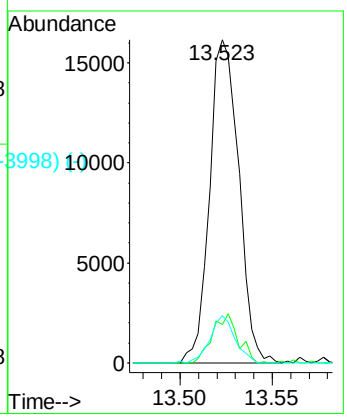
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



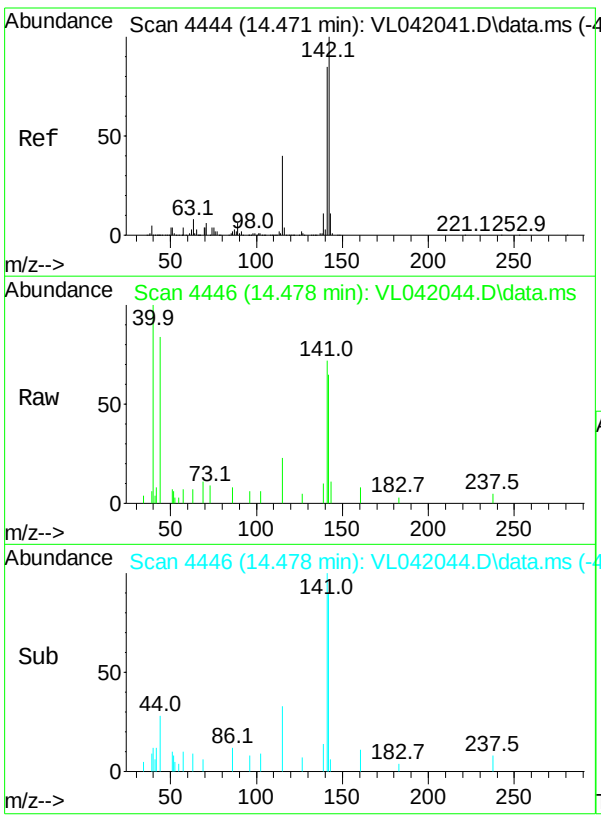
#79
Naphthalene
Concen: 0.263 ppbv
RT: 13.523 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:128 Resp: 17897

Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.6
129	14.7	8.6	12.8#



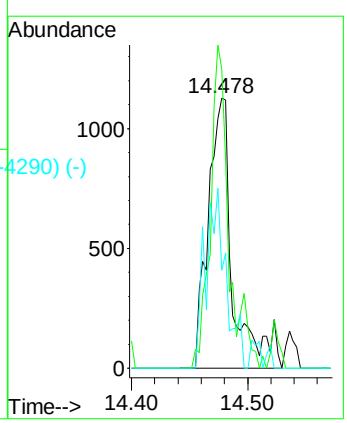
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

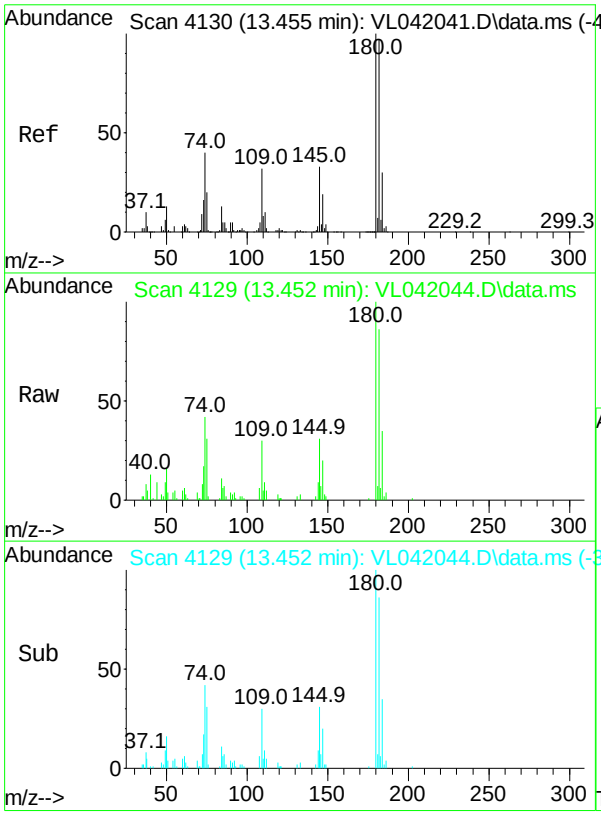


#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:142 Resp: 1646

Ion	Ratio	Lower	Upper
142	100		
141	94.8	65.8	98.6
115	55.5	29.5	44.3#

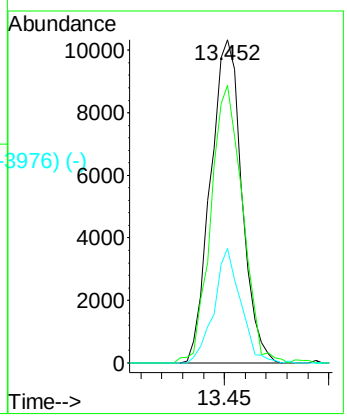




1,2,4-Trichlorobenzene
Concen: 0.389 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:180 Resp: 10771

Ion	Ratio	Lower	Upper
180	100		
182	87.1	75.1	112.7
184	30.2	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	161406	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	414875	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	363831	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	276484	9.213	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	92.100%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	1771	0.064	ppbv		93
3) Chlorodifluoromethane	1.483	51	2339	0.076	ppbv		96
4) Chloromethane	1.538	50	704	0.065	ppbv	#	45
5) Vinyl Chloride	1.586	62	543	0.042	ppbv	#	88
6) Bromomethane	1.677	94	398	0.080	ppbv	#	79
7) Chloroethane	1.716	64	213	0.051	ppbv	#	67
8) Dichlorotetrafluoroethane	1.560	85	1520	0.062	ppbv		91
9) Propene	1.489	41	1402	0.106	ppbv		95
11) Trichlorofluoromethane	1.884	101	1855	0.066	ppbv		93
12) 1,1,2-Trichlorotrifluo...	2.153	101	1337	0.061	ppbv		100
13) Ethanol	1.771	45	137	0.092	ppbv	#	1
14) Bromoethene	1.790	108	581	0.071	ppbv	#	78
15) Acetone	1.845	43	3317	0.125	ppbv		99
16) 1,3-Butadiene	1.615	39	1259	0.100	ppbv	#	75
17) tert-Butyl alcohol	2.055	59	1942	0.059	ppbv	#	89
18) 1,1-Dichloroethene	2.350	96	863	0.083	ppbv		87
19) Isopropyl Alcohol	1.897	45	1375	0.092	ppbv	#	32
20) Methylene Chloride	2.075	84	1541	0.154	ppbv	#	59
21) Allyl Chloride	2.107	41	929	0.048	ppbv	#	58
22) trans-1,2-Dichloroethene	2.350	96	863	0.076	ppbv		100
23) Vinyl Acetate	2.476	43	2203	0.153	ppbv	#	50
24) 1,1-Dichloroethane	2.418	63	1398	0.061	ppbv	#	87
25) Ethyl Acetate	2.861	43	6037	0.083	ppbv	#	90
26) Hexane	2.839	57	2417	0.082	ppbv	#	87
27) Carbon Disulfide	2.162	76	1691	0.061	ppbv	#	1
28) Methyl tert-Butyl Ether	2.457	73	1475	0.082	ppbv		92
29) Chloroform	2.865	83	3264	0.077	ppbv		96
30) Cyclohexane	3.881	84	1421	0.060	ppbv	#	22
31) cis-1,2-Dichloroethene	2.732	61	1328	0.046	ppbv	#	85
32) 1,1,1-Trichloroethane	3.386	97	3026	0.064	ppbv	#	86
34) 2-Butanone	2.577	43	4167	0.117	ppbv		100
35) Carbon Tetrachloride	3.787	117	2571	0.064	ppbv	#	85
36) Benzene	3.674	78	2614	0.052	ppbv	#	83
37) 1,2-Dichloroethane	3.237	62	2734	0.096	ppbv		98
38) Trichloroethene	4.577	130	1585	0.078	ppbv	#	44
39) 1,2-Dichloropropane	3.981	63	106722	5.792	ppbv	#	23
41) Tetrahydrofuran	3.088	42	2150	0.105	ppbv	#	63
42) Bromodichloromethane	4.515	83	2370	0.061	ppbv	#	59
43) Methyl Methacrylate	4.917	69	1045	0.046	ppbv	#	10
44) 2,2,4-Trimethylpentane	4.667	57	3926	0.046	ppbv	#	31

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	976	0.036	ppbv	#	62
48) Dibromochloromethane	7.415	129	1445	0.044	ppbv	#	23
49) Bromoform	9.506	173	1684	0.063	ppbv	#	79
53) Toluene	6.969	91	1861	0.031	ppbv	#	1
54) 1,2-Dibromoethane	7.684	107	915	0.034	ppbv	#	66
56) 1,1,1,2-Tetrachloroethane	8.943	131	1438	0.055	ppbv	#	8
57) Chlorobenzene	8.946	112	3915	0.091	ppbv	#	90
59) m/p-Xylene	9.558	91	1903	0.030	ppbv	#	100
60) o-Xylene	9.982	91	4981	0.079	ppbv		95
61) Styrene	9.891	104	1689	0.056	ppbv	#	76
62) Isopropylbenzene	10.555	105	7453	0.078	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.982	83	2654	0.065	ppbv	#	66
64) n-propylbenzene	11.005	120	2092	0.089	ppbv		95
65) tert-Butylbenzene	11.549	119	7279	0.088	ppbv		95
66) Benzyl Chloride	11.626	91	260	0.031	ppbv	#	65
67) sec-Butylbenzene	11.782	105	9708	0.083	ppbv		98
69) p-Isopropyltoluene	11.940	119	6937	0.073	ppbv		97
70) n-Butylbenzene	12.299	91	6704	0.071	ppbv		93
71) 2-Chlorotoluene	10.921	91	6558	0.091	ppbv		96
72) 4-Ethyltoluene	11.141	105	5948	0.080	ppbv	#	96
73) 1,3,5-Trimethylbenzene	11.222	105	5175	0.081	ppbv	#	80
74) 1,2,4-Trimethylbenzene	11.552	105	5323	0.077	ppbv	#	91
75) 1,3-Dichlorobenzene	11.623	146	2662	0.072	ppbv		71
76) 1,4-Dichlorobenzene	11.691	146	3477	0.096	ppbv		98
77) 1,2-Dichlorobenzene	11.969	146	3344	0.094	ppbv		95
78) Hexachloro-1,3-Butadiene	13.895	225	2487	0.085	ppbv	#	84
79) Naphthalene	13.529	128	3058	0.045	ppbv	#	91
81) 1,2,4-Trichlorobenzene	13.455	180	1262	0.046	ppbv	#	86

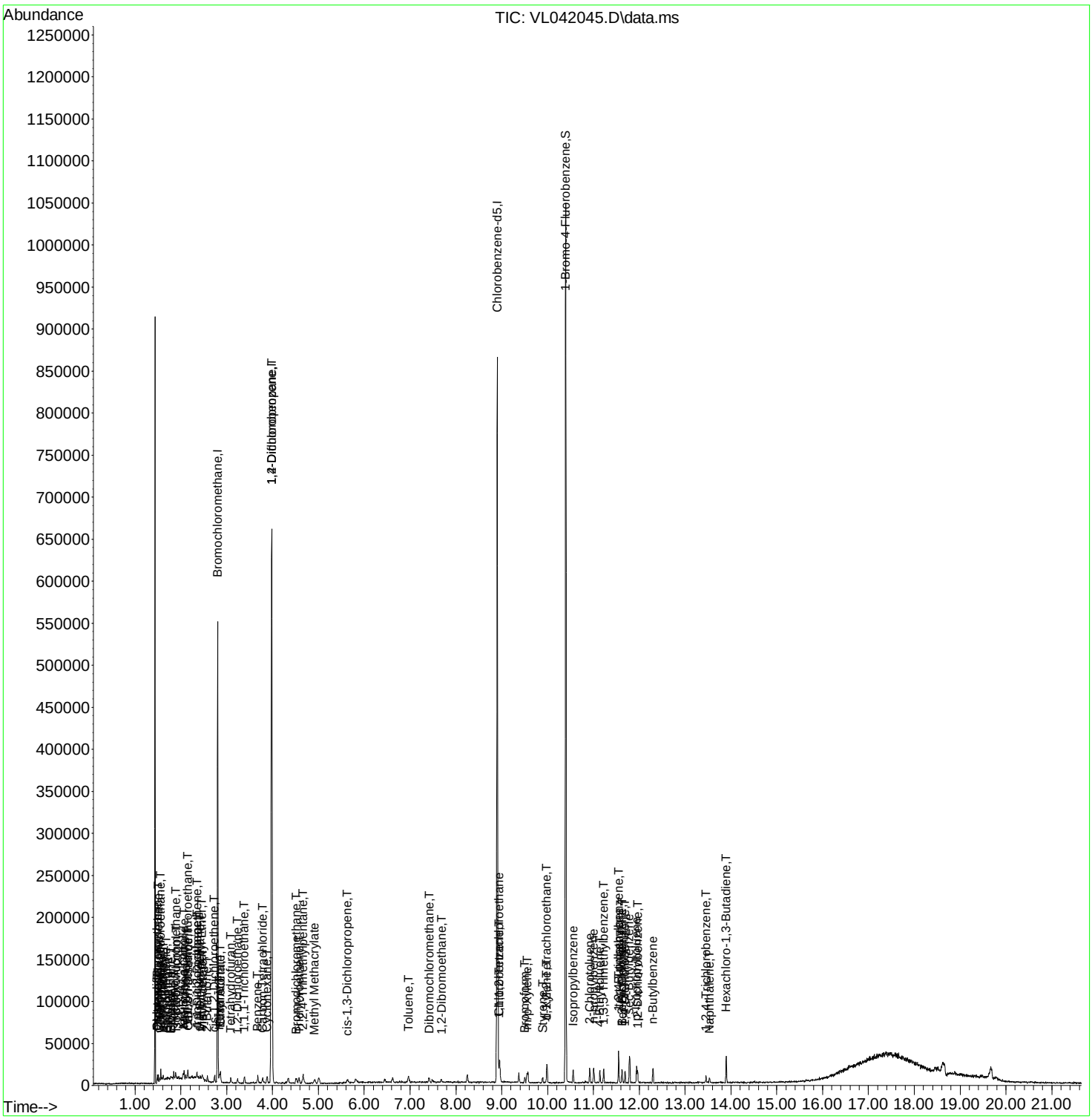
(#) = qualifier out of range (m) = manual integration (+) = signals summed

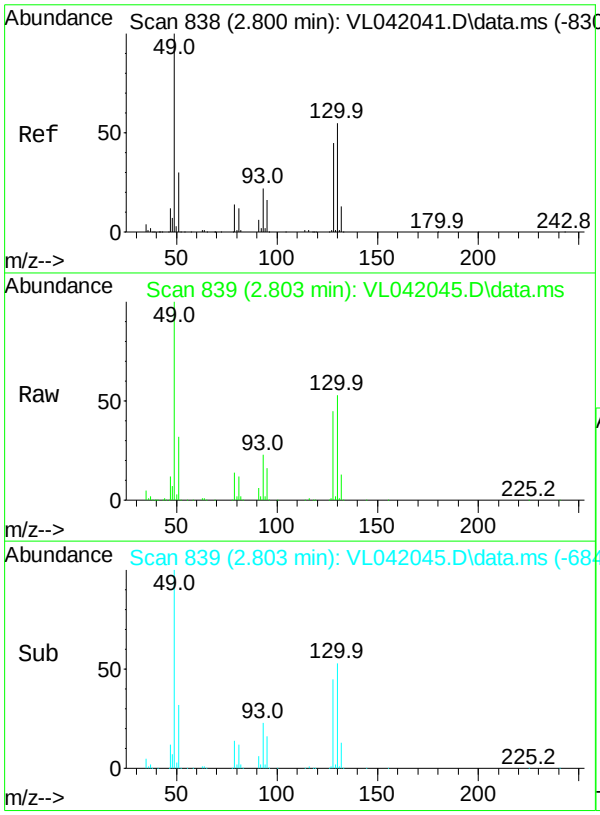
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

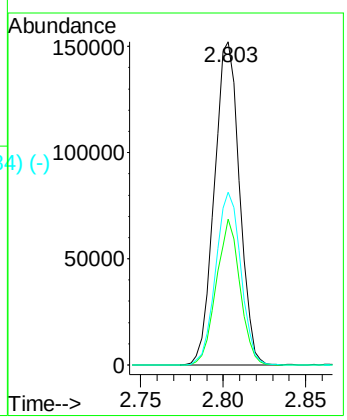


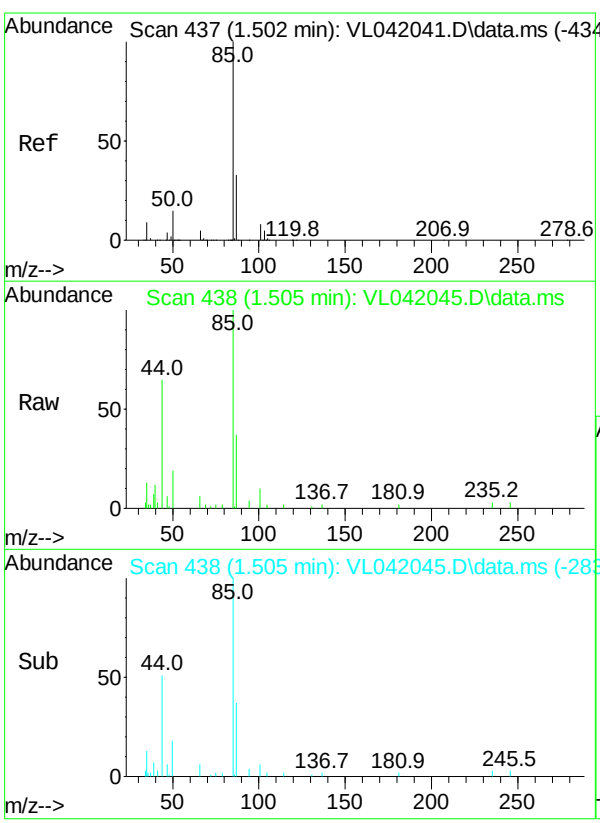


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 49 Resp: 161406

Ion	Ratio	Lower	Upper
49	100		
128	42.3	21.6	64.8
130	53.5	27.8	83.4

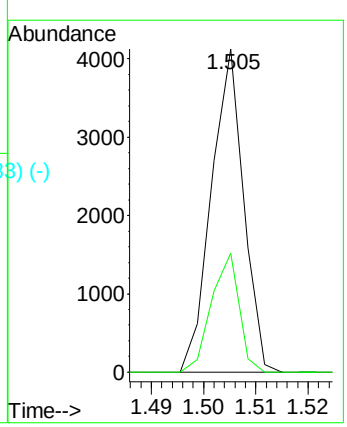




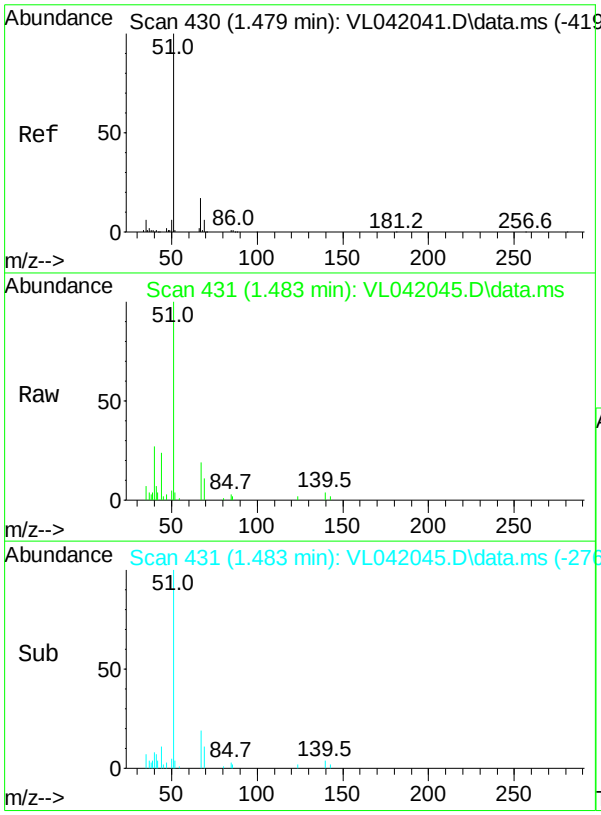
#2
Dichlorodifluoromethane
Concen: 0.064 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 85 Resp: 1771

Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.4	39.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

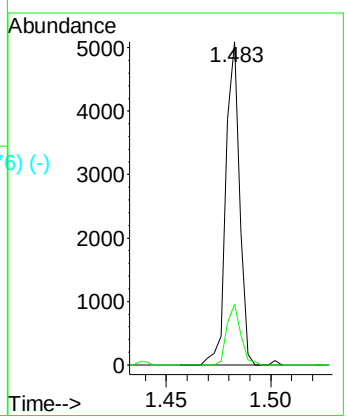


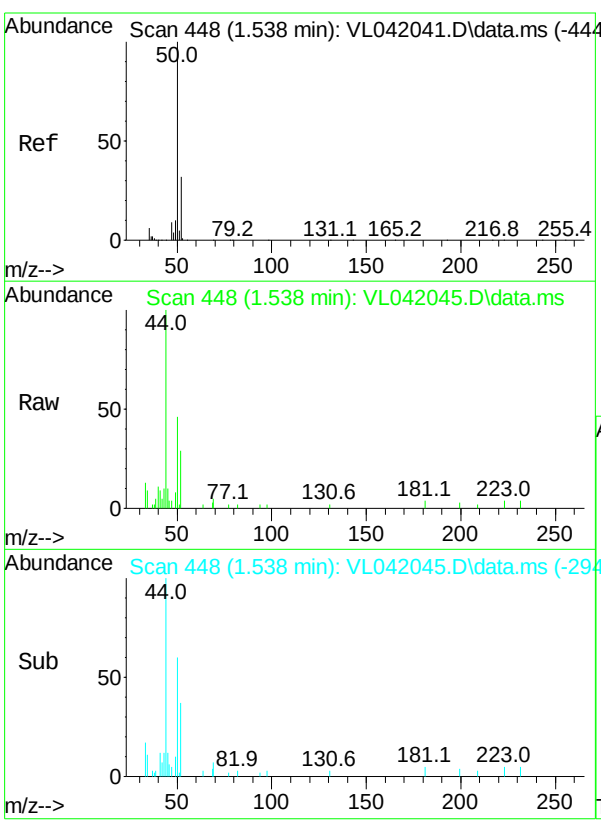
#3
Chlorodifluoromethane
Concen: 0.076 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 2339

Ion	Ratio	Lower	Upper
51	100		
67	19.0	13.7	20.5

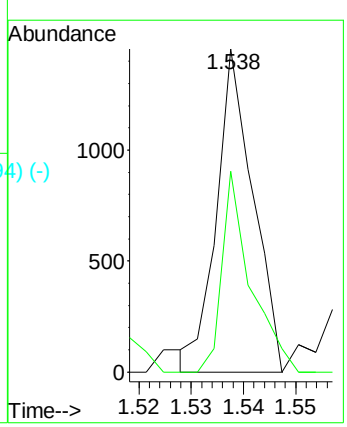


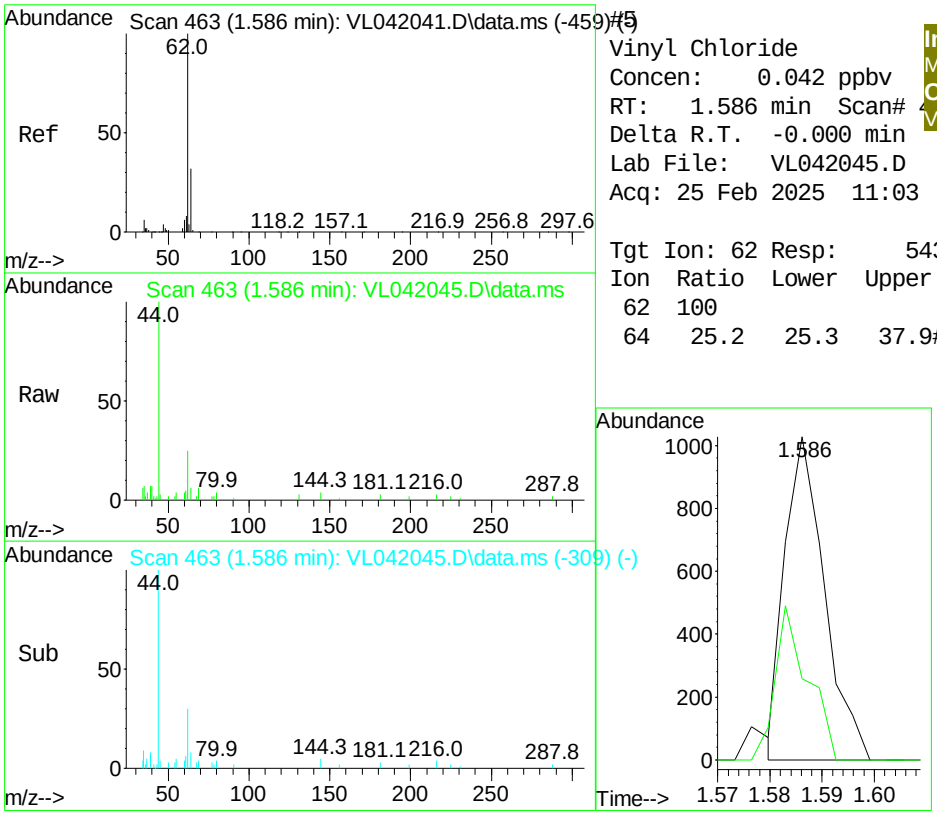


#4
Chloromethane
Concen: 0.065 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 50 Resp: 704

Ion	Ratio	Lower	Upper
50	100		
52	62.2	25.4	38.0#

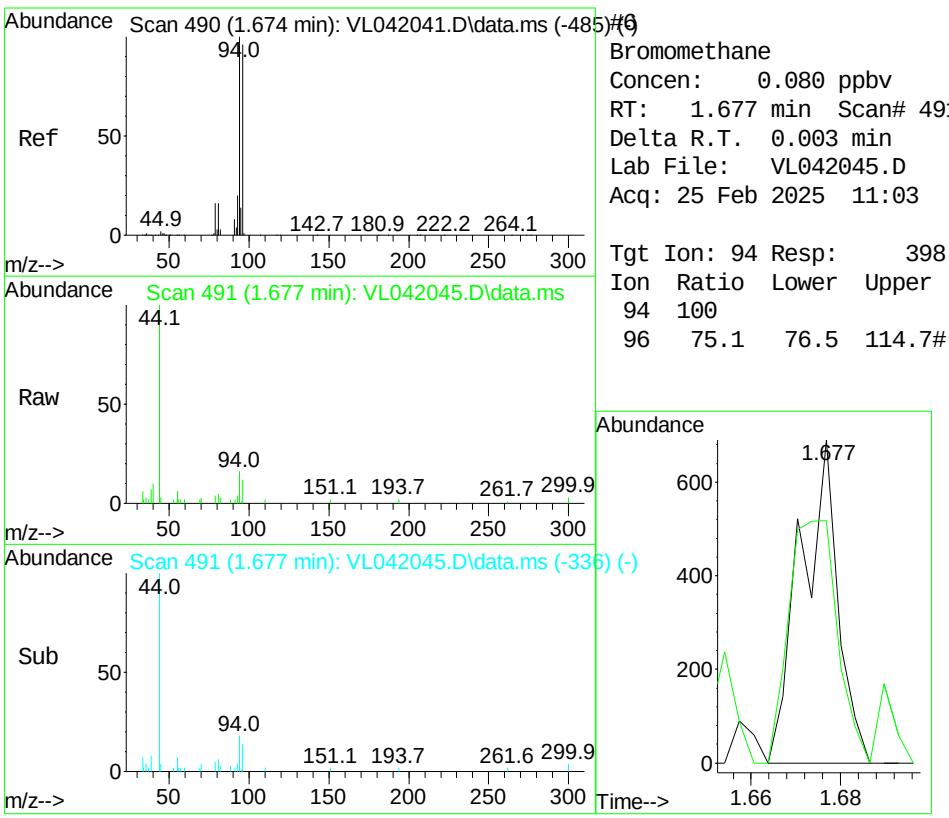




#5
Vinyl Chloride
Concen: 0.042 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 62 Resp: 543

Ion	Ratio	Lower	Upper
62	100		
64	25.2	25.3	37.9#

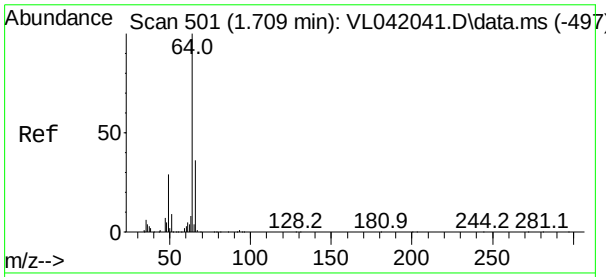


#6
Bromomethane
Concen: 0.080 ppbv
RT: 1.677 min Scan# 491
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 94 Resp: 398

Ion	Ratio	Lower	Upper
94	100		
96	75.1	76.5	114.7#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



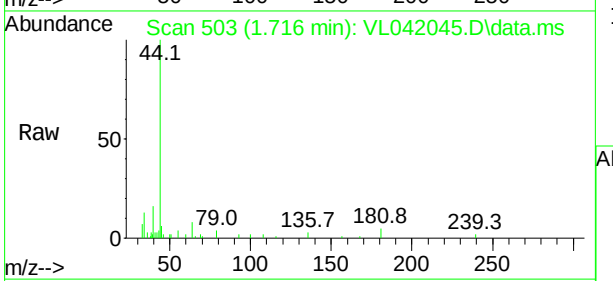
#7

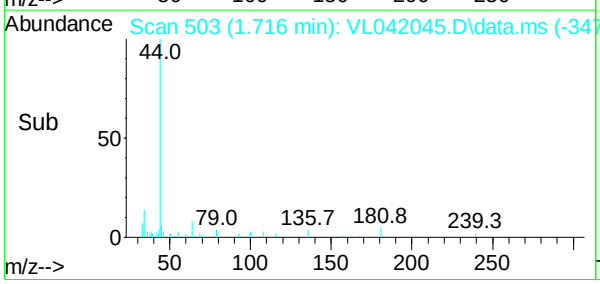
Chloroethane
Concen: 0.051 ppbv
RT: 1.716 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

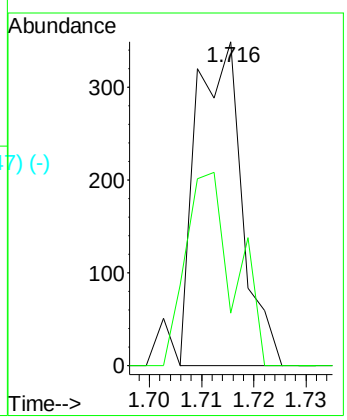
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

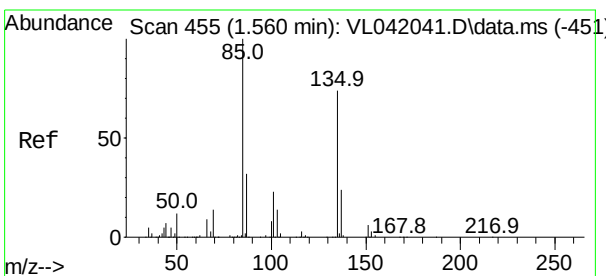
Tgt Ion: 64 Resp: 213

Ion	Ratio	Lower	Upper
64	100		
66	16.0	28.4	42.6#







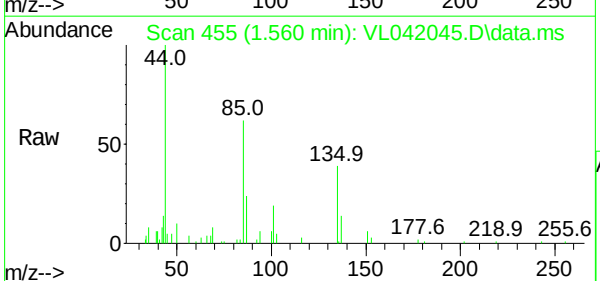


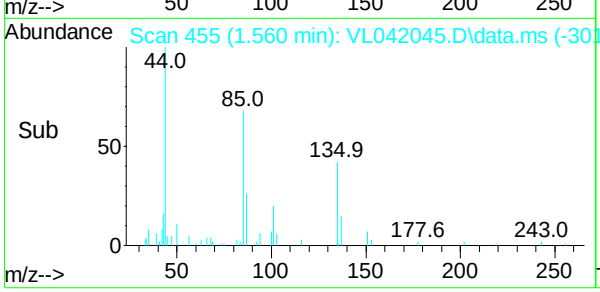
#8

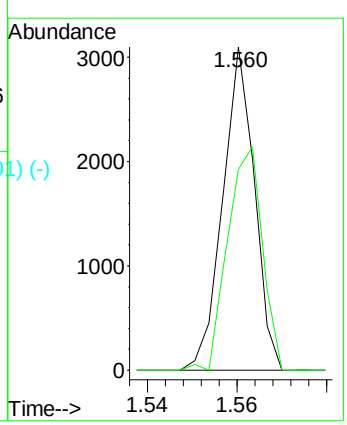
Dichlorotetrafluoroethane
Concen: 0.062 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

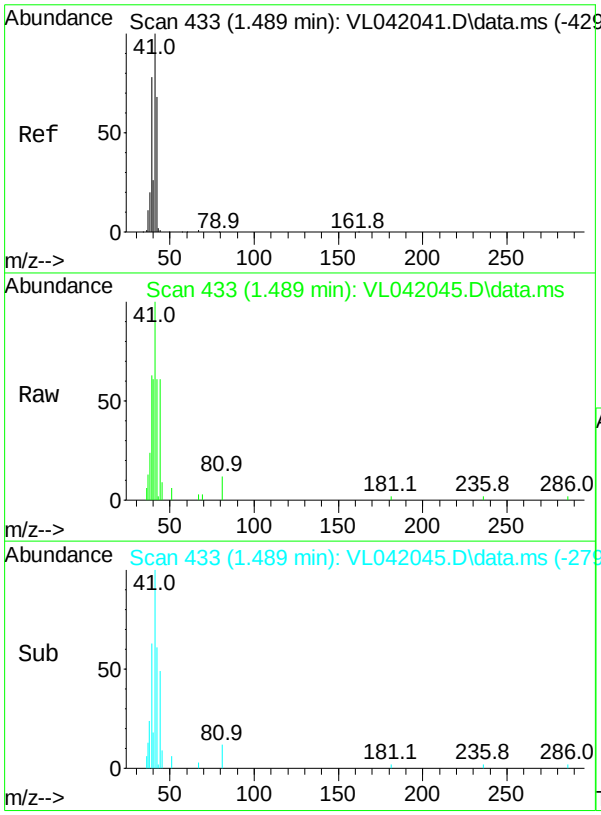
Tgt Ion: 85 Resp: 1520

Ion	Ratio	Lower	Upper
85	100		
135	75.3	54.6	81.8





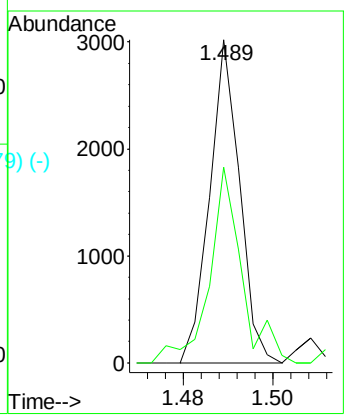




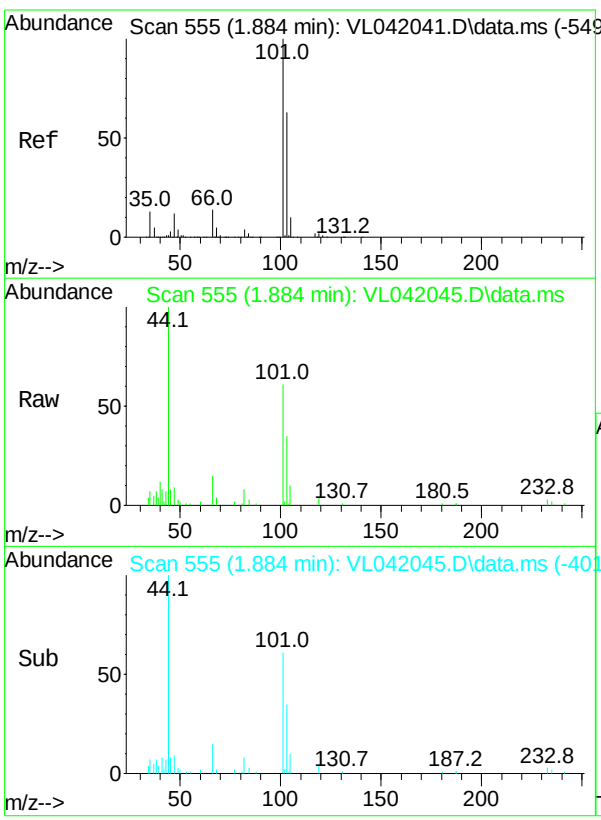
#9
Propene
Concen: 0.106 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 41 Resp: 1402

Ion	Ratio	Lower	Upper
41	100		
42	65.3	55.8	83.6



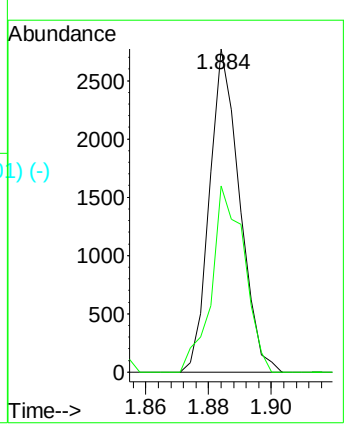
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

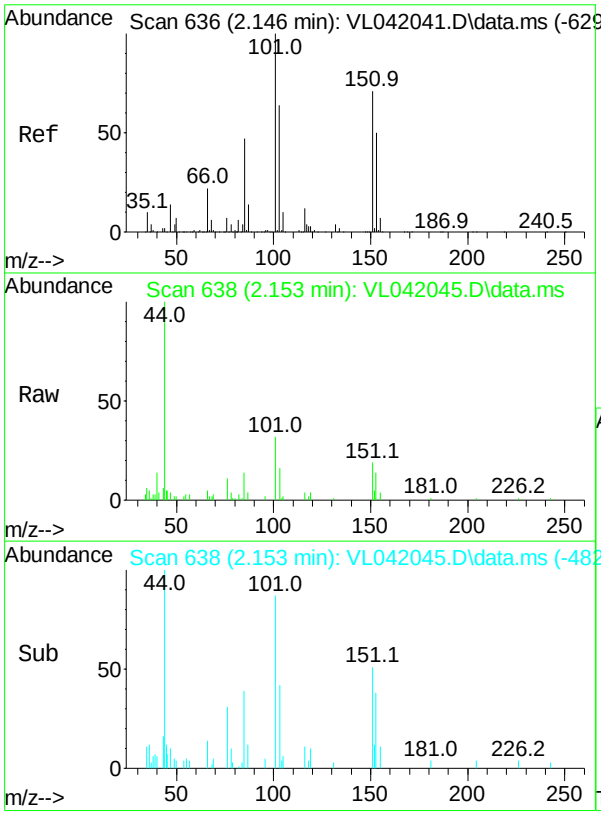


#11
Trichlorofluoromethane
Concen: 0.066 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:101 Resp: 1855

Ion	Ratio	Lower	Upper
101	100		
103	57.5	50.6	75.8

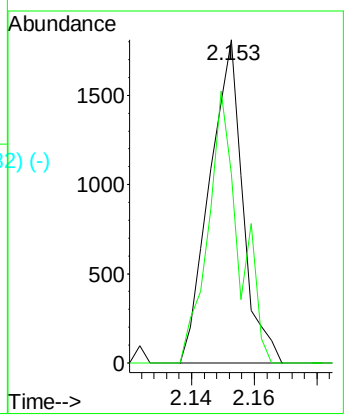




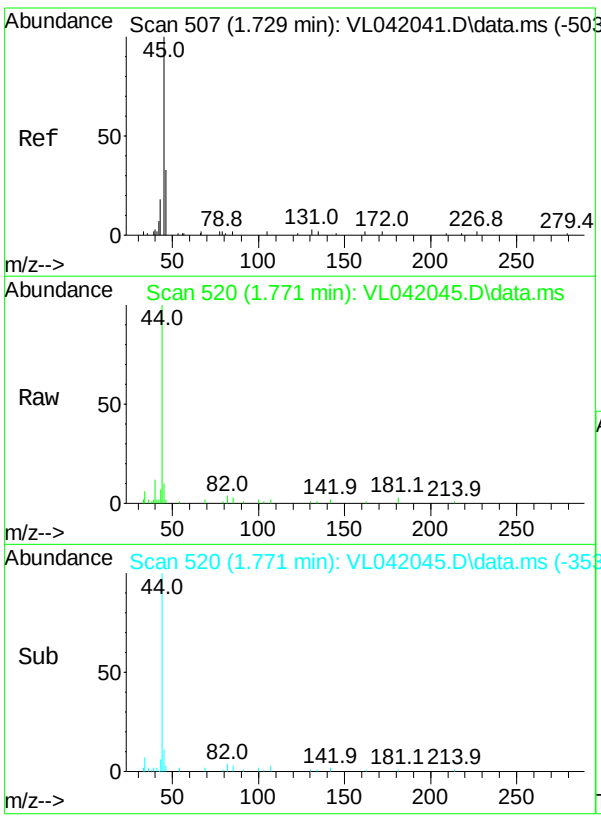
#12
1,1,2-Trichlorotrifluor
Concen: 0.061 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:101 Resp: 1337

Ion	Ratio	Lower	Upper
101	100		
151	78.1	62.6	94.0



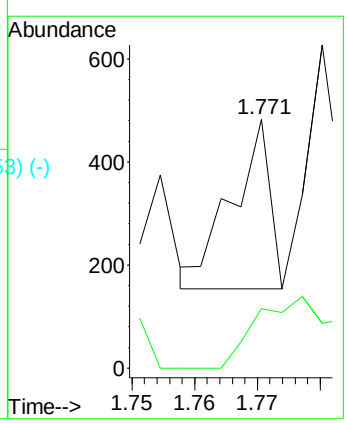
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

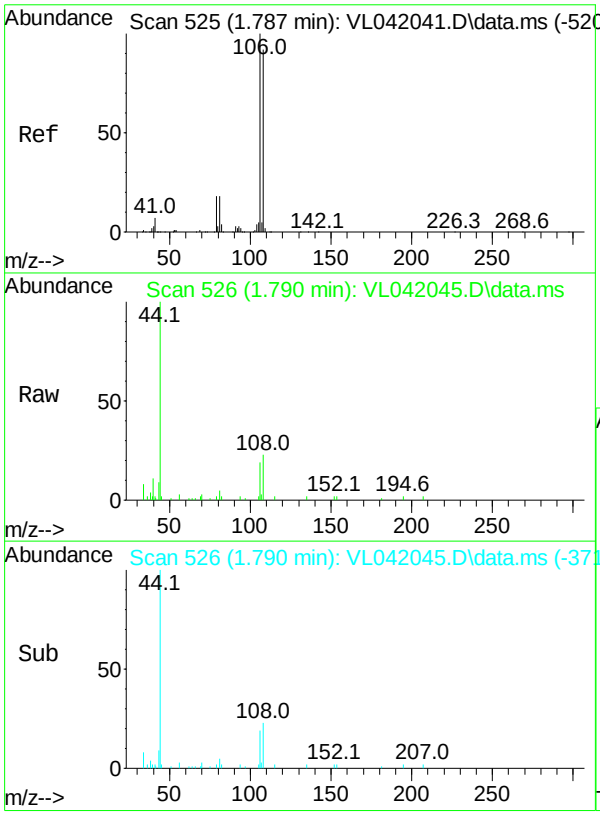


#13
Ethanol
Concen: 0.092 ppbv
RT: 1.771 min Scan# 520
Delta R.T. 0.042 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 45 Resp: 137

Ion	Ratio	Lower	Upper
45	100		
46	175.9	17.1	68.3#

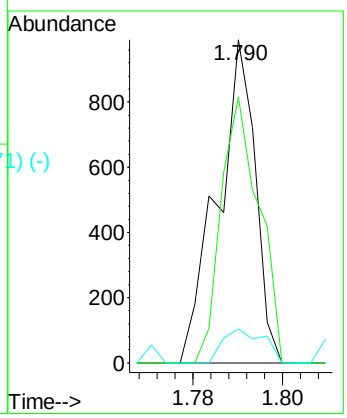


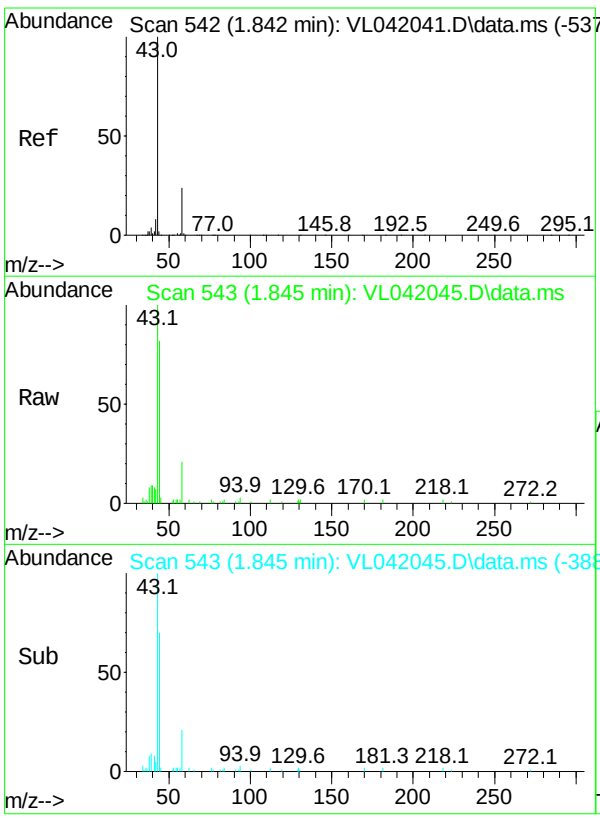


#14
Bromoethene
Concen: 0.071 ppbv
RT: 1.790 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:108 Resp: 581

Ion	Ratio	Lower	Upper
108	100		
106	82.1	85.4	128.0#
79	15.7	16.5	24.7#

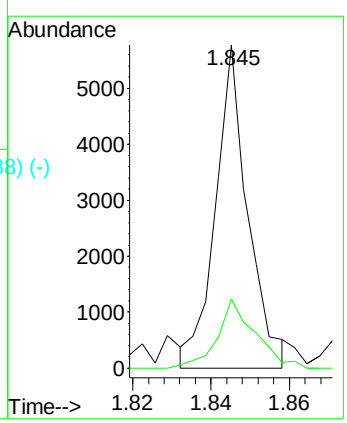




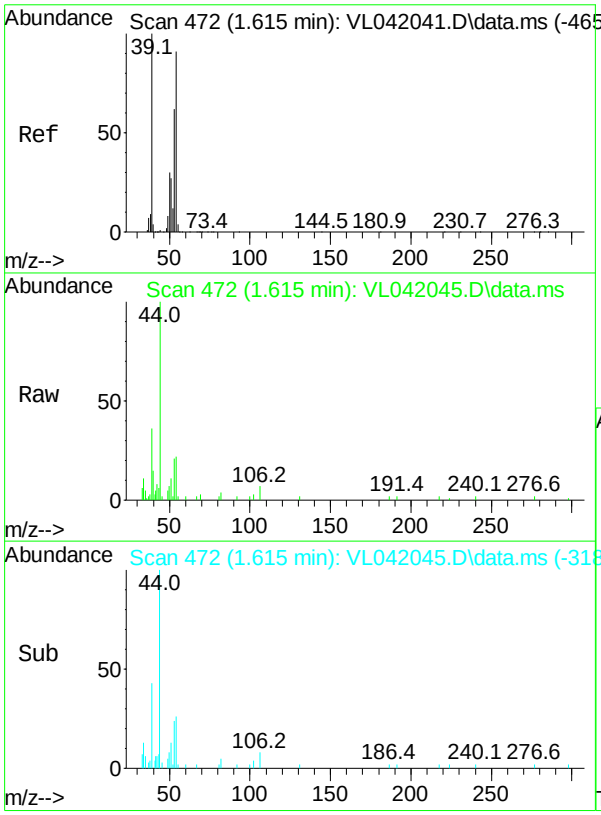
#15
Acetone
Concen: 0.125 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 43 Resp: 3317

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.7	31.1



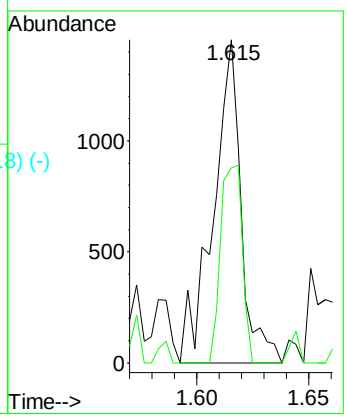
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

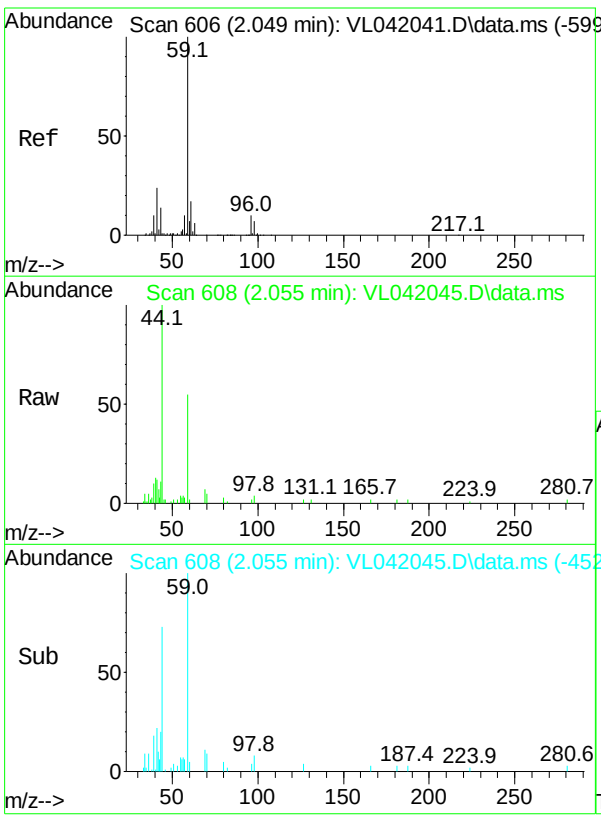


#16
1,3-Butadiene
Concen: 0.100 ppbv
RT: 1.615 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 39 Resp: 1259

Ion	Ratio	Lower	Upper
39	100		
54	53.1	59.6	89.4#

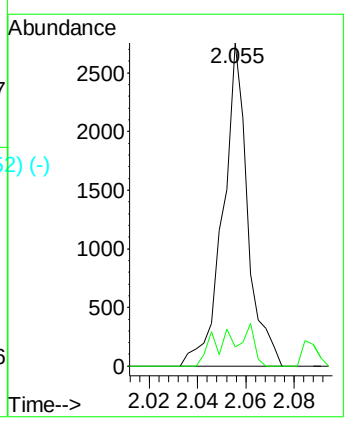




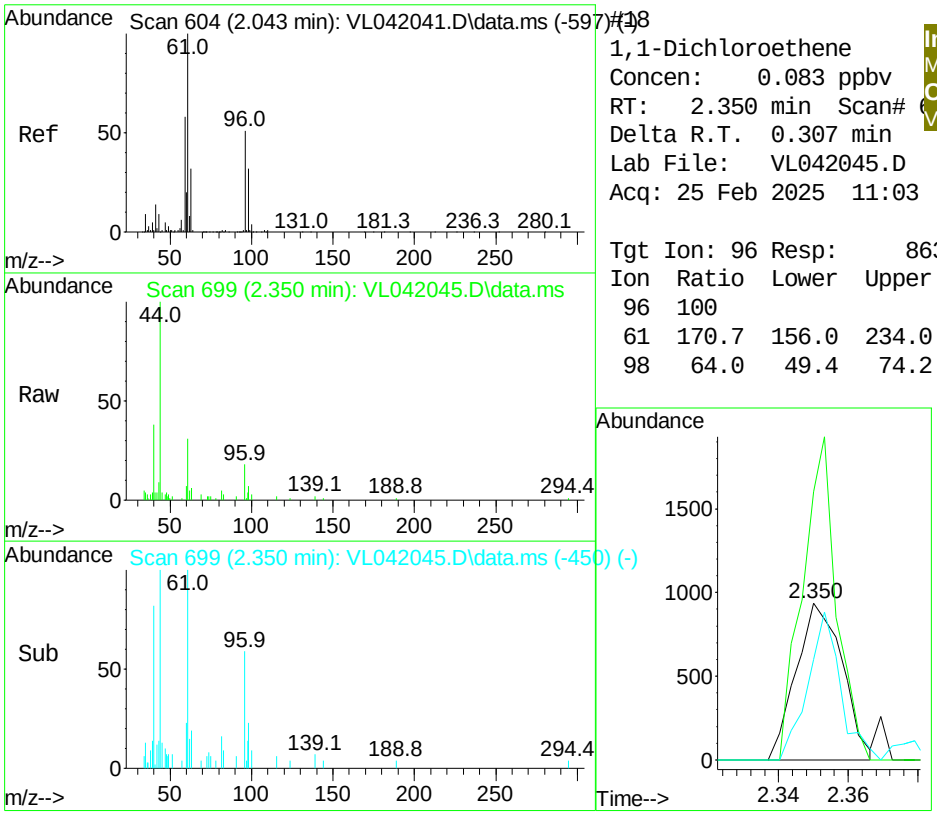
#17
tert-Butyl alcohol
Concen: 0.059 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 59 Resp: 1942

Ion	Ratio	Lower	Upper
59	100		
57	15.9	9.3	13.9#



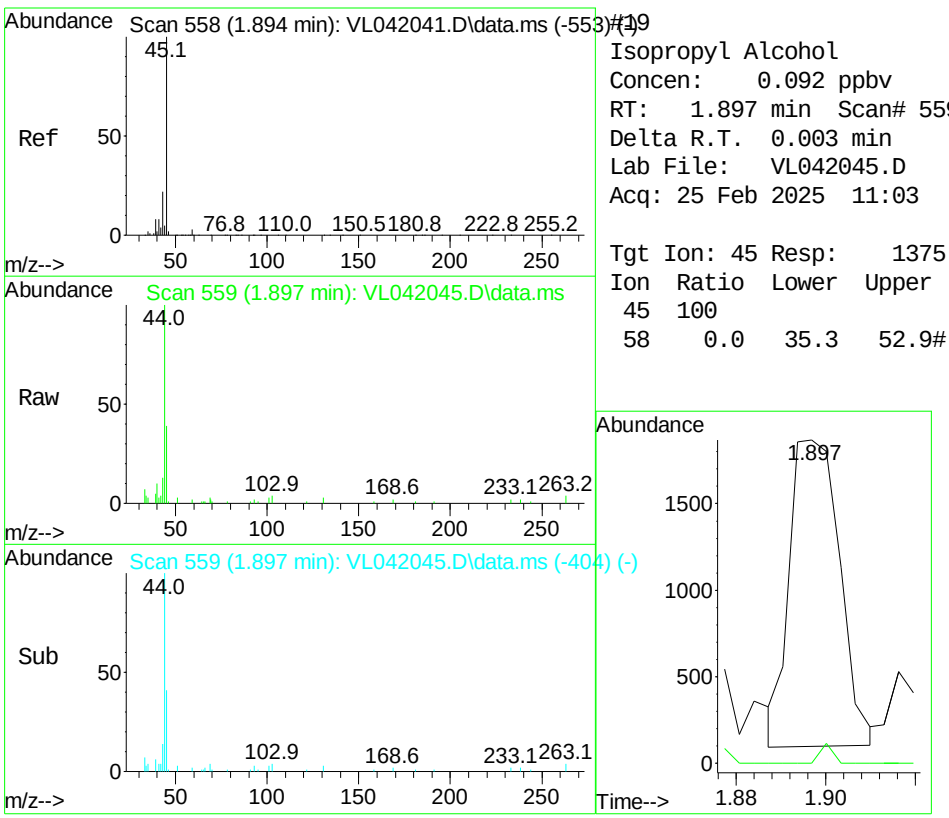
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



#18
1,1-Dichloroethene
Concen: 0.083 ppbv
RT: 2.350 min Scan# 6
Delta R.T. 0.307 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 96 Resp: 863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	156.0	234.0
98	64.0	49.4	74.2

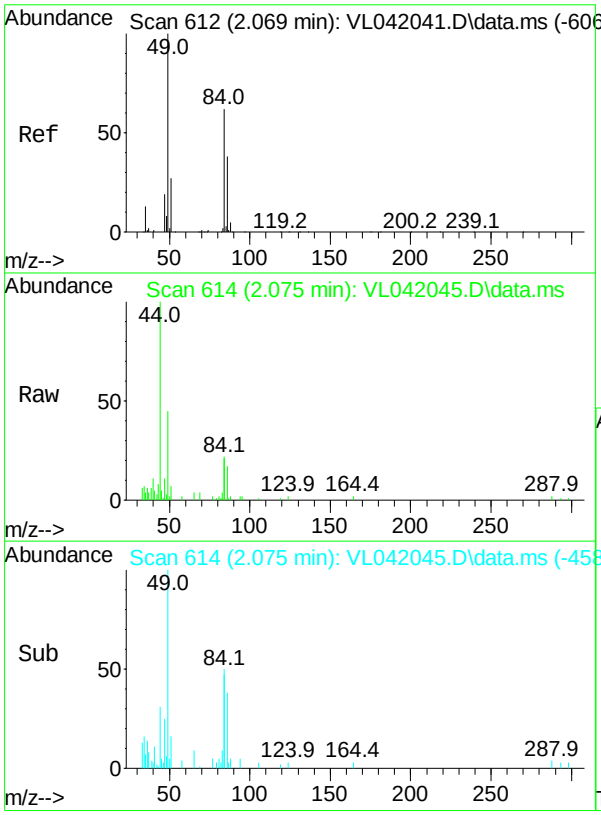


#19
Isopropyl Alcohol
Concen: 0.092 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 45 Resp: 1375

Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#

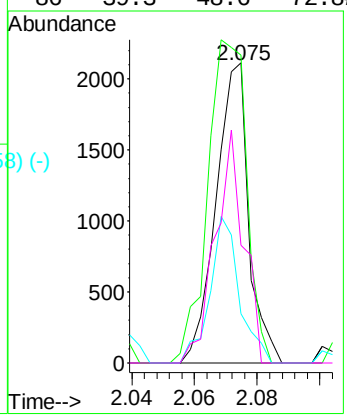
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

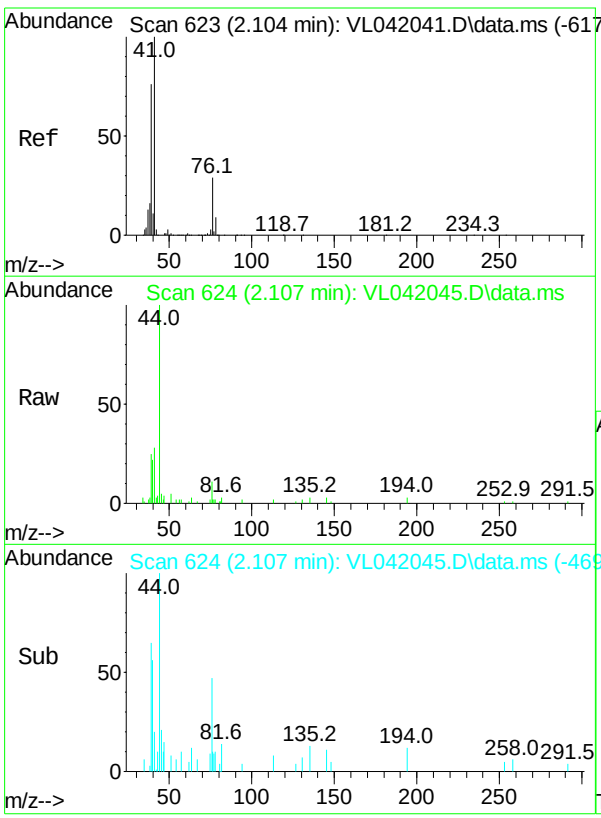


#20
Methylene Chloride
Concen: 0.154 ppbv
RT: 2.075 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 84 Resp: 1541

Ion	Ratio	Lower	Upper
84	100		
49	102.7	130.0	195.0#
51	16.4	37.4	56.0#
86	39.3	48.6	72.8#

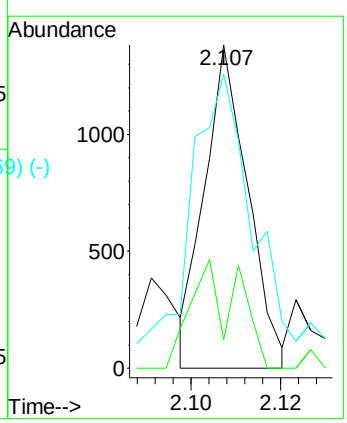




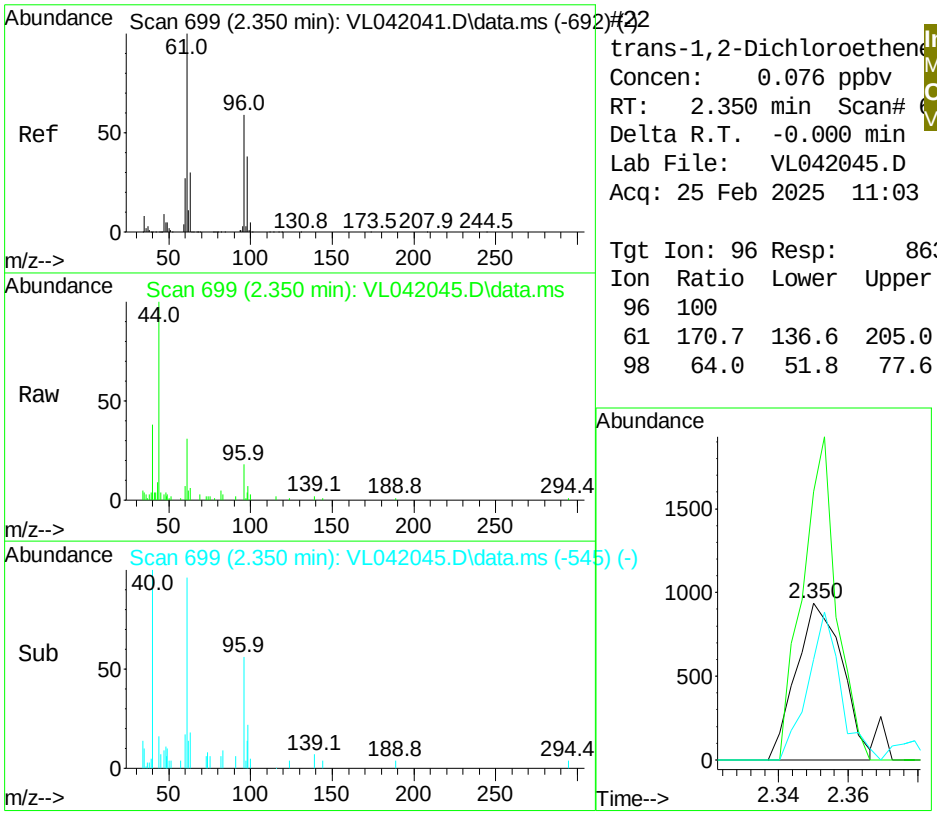
#21
Allyl Chloride
Concen: 0.048 ppbv
RT: 2.107 min Scan# 624
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 41 Resp: 929

Ion	Ratio	Lower	Upper
41	100		
76	37.5	23.8	35.6#
39	126.3	63.8	95.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

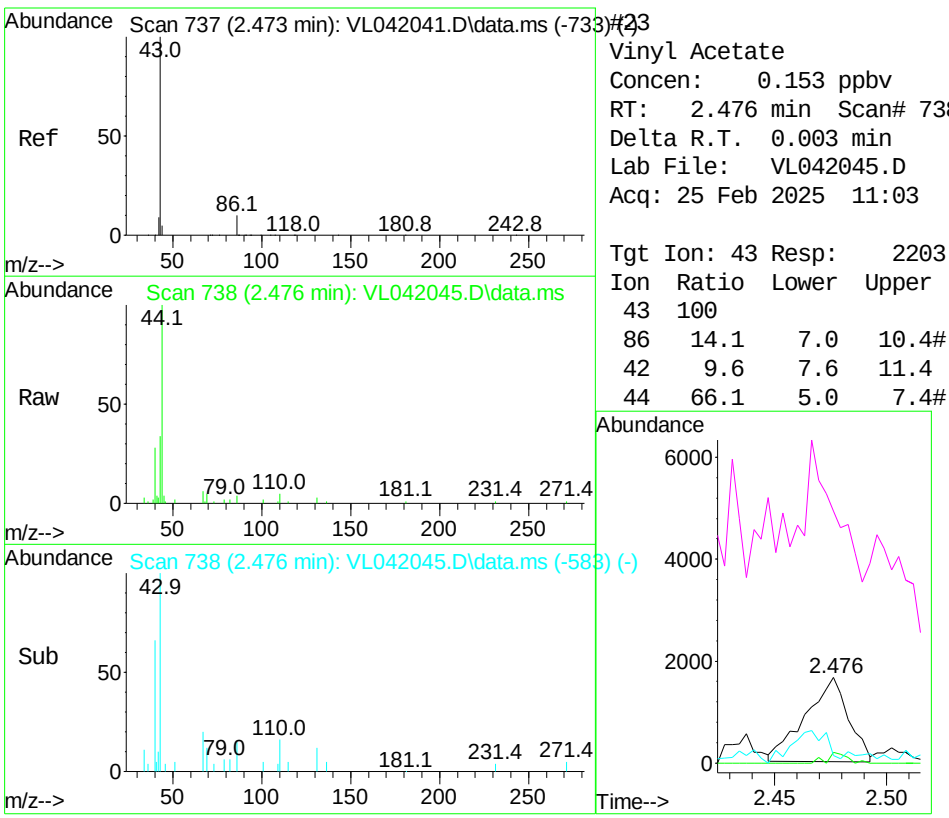


#22
trans-1,2-Dichloroethene
Concen: 0.076 ppbv
RT: 2.350 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 96 Resp: 863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	205.0
98	64.0	51.8	77.6

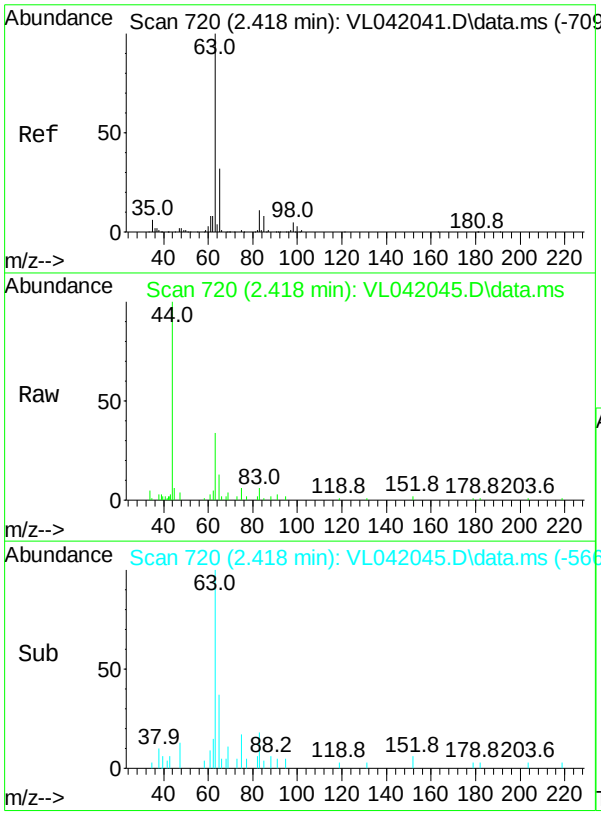
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



#23
Vinyl Acetate
Concen: 0.153 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 43 Resp: 2203

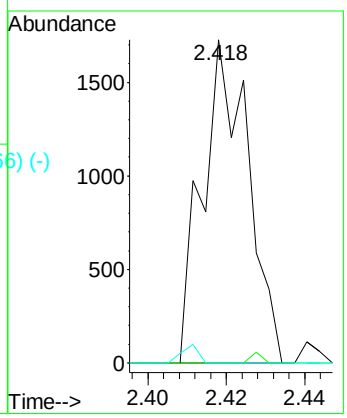
Ion	Ratio	Lower	Upper
43	100		
86	14.1	7.0	10.4#
42	9.6	7.6	11.4
44	66.1	5.0	7.4#



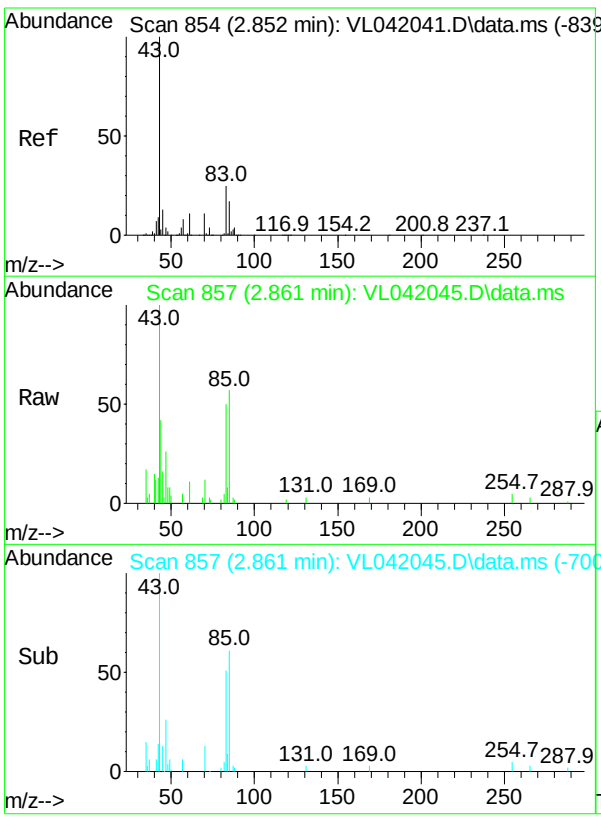
#24
1,1-Dichloroethane
Concen: 0.061 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 63 Resp: 1398

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	0.0	1.7	5.0#



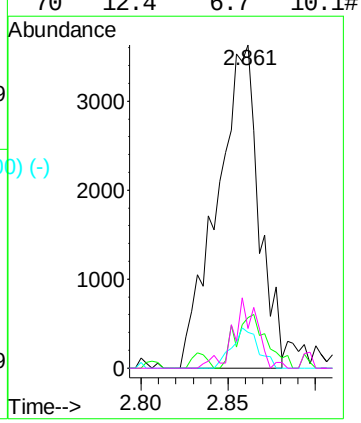
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

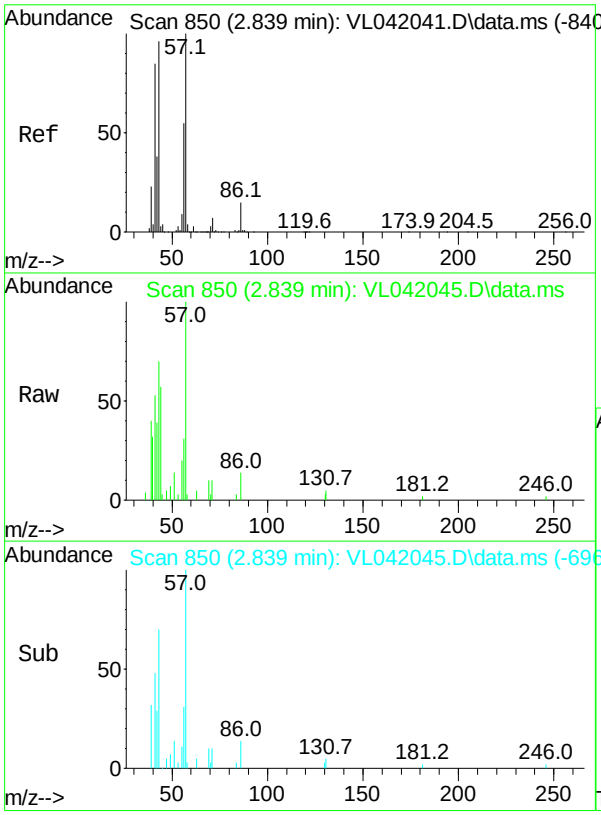


#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.010 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 43 Resp: 6037

Ion	Ratio	Lower	Upper
43	100		
45	15.5	8.1	12.1#
61	7.8	7.2	10.8
70	12.4	6.7	10.1#



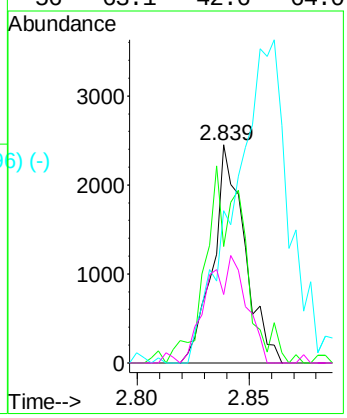


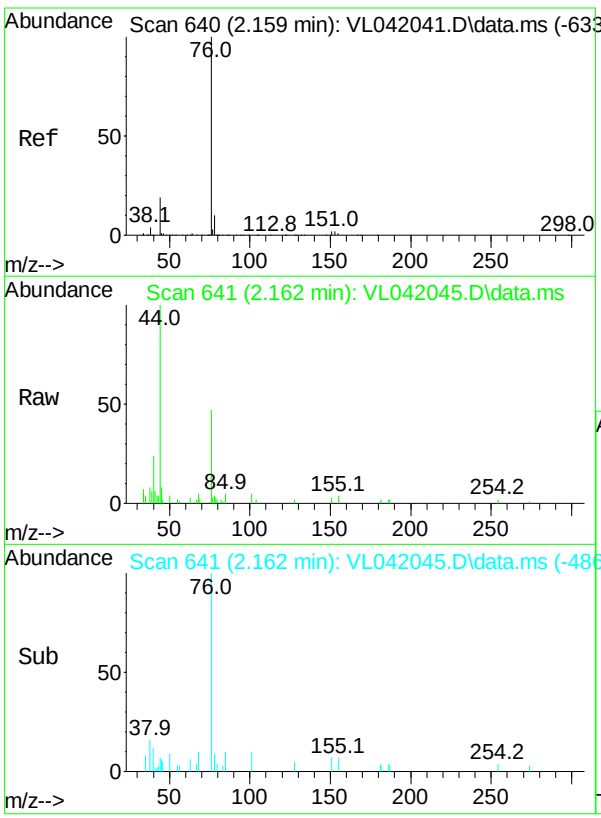
#26
Hexane
Concen: 0.082 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 57 Resp: 2417

Ion	Ratio	Lower	Upper
57	100		
41	109.7	70.6	106.0#
43	265.1	199.4	299.0
56	63.1	42.6	64.0

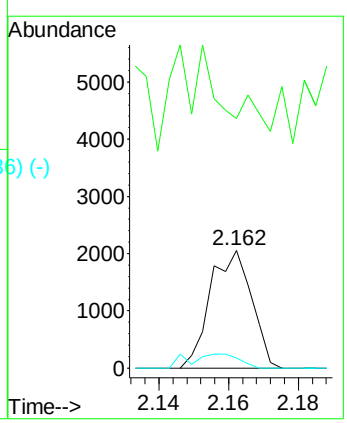


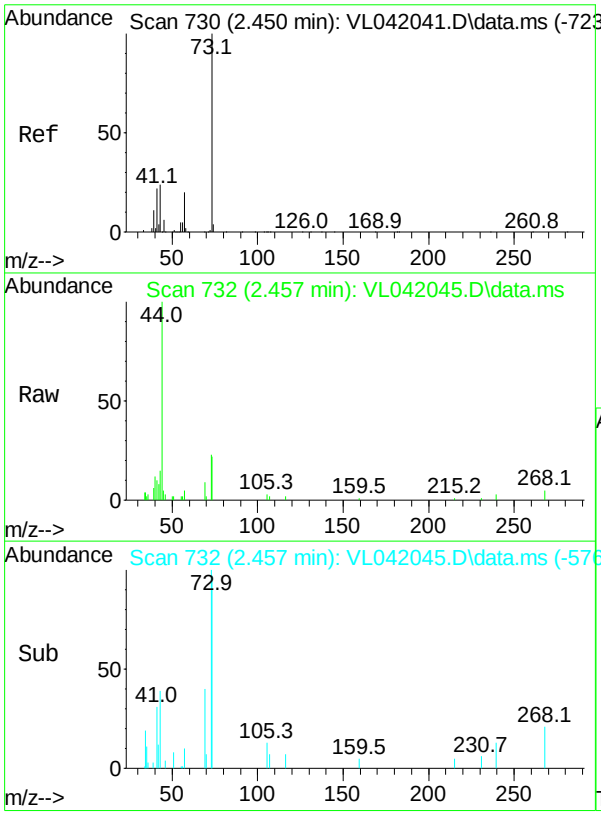


#27
Carbon Disulfide
Concen: 0.061 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 76 Resp: 1691

Ion	Ratio	Lower	Upper
76	100		
44	451.3	16.2	24.2#
78	14.4	9.4	14.0#



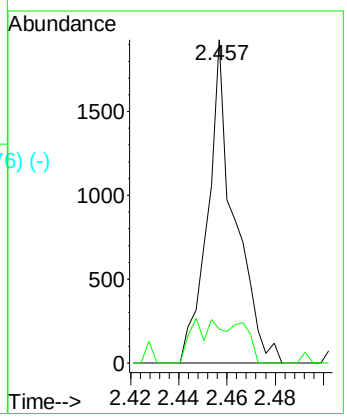


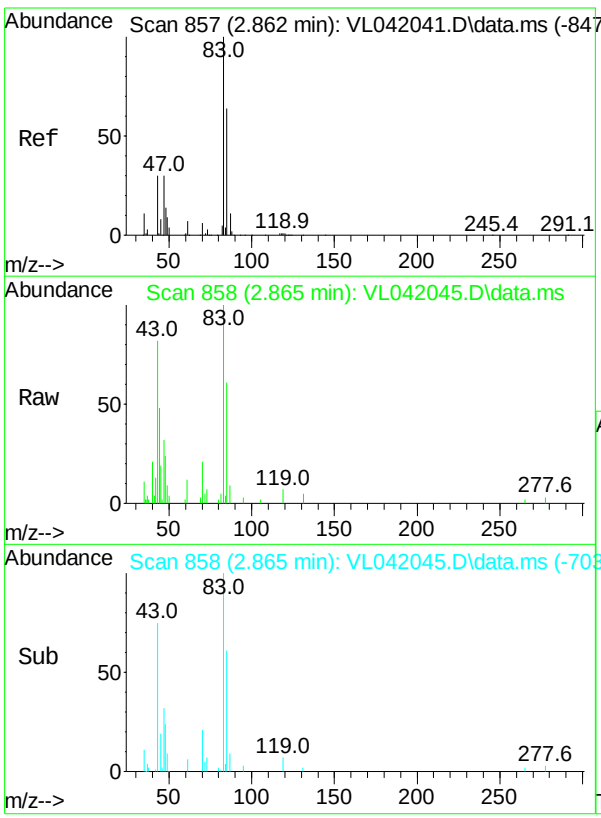
#28
Methyl tert-Butyl Ether
Concen: 0.082 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 73 Resp: 1475

Ion	Ratio	Lower	Upper
73	100		
57	26.0	17.7	26.5

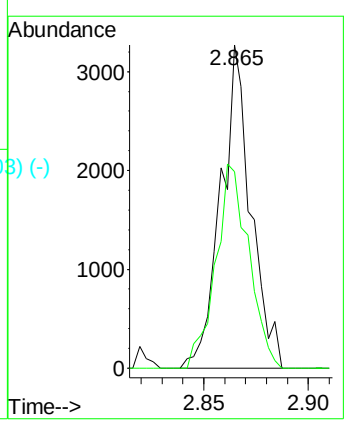


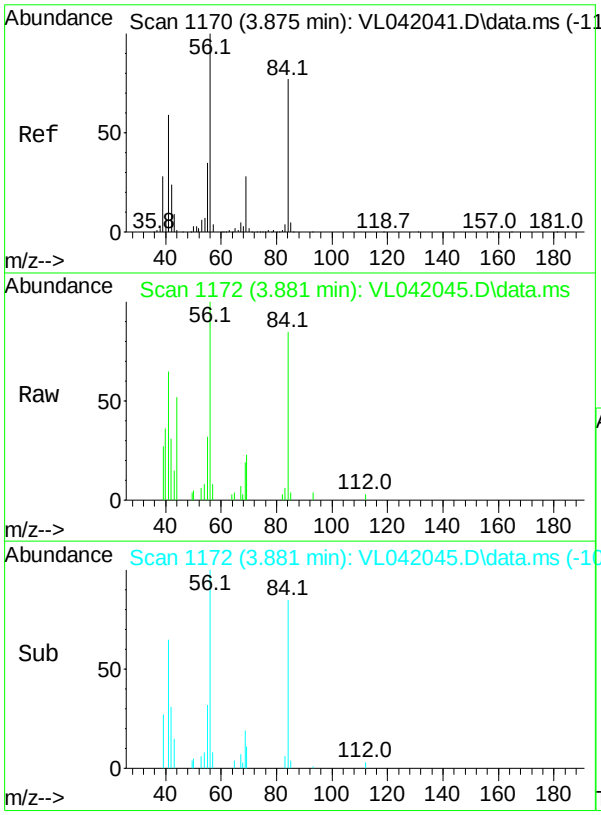


#29
Chloroform
Concen: 0.077 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 83 Resp: 3264

Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.2	76.8



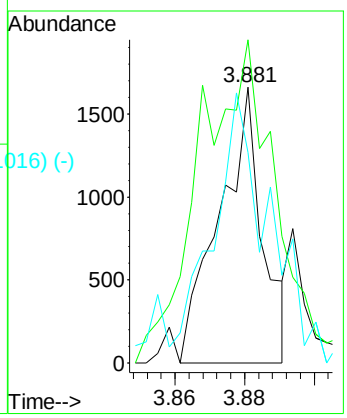


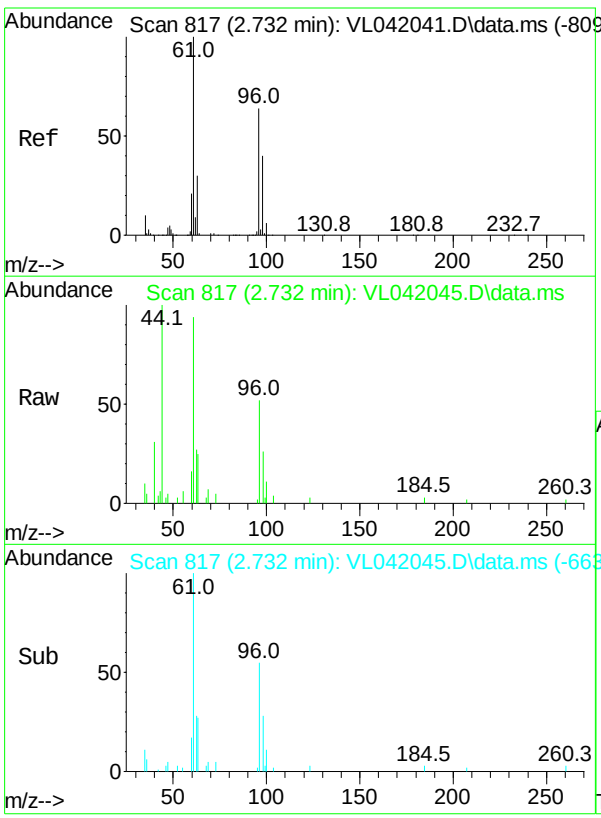
#30
Cyclohexane
Concen: 0.060 ppbv
RT: 3.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 84 Resp: 1421

Ion	Ratio	Lower	Upper
84	100		
56	209.1	101.5	152.3#
41	154.8	62.6	93.8#

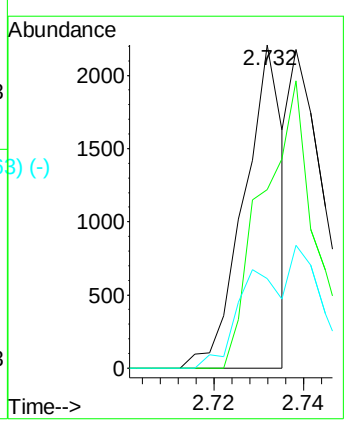


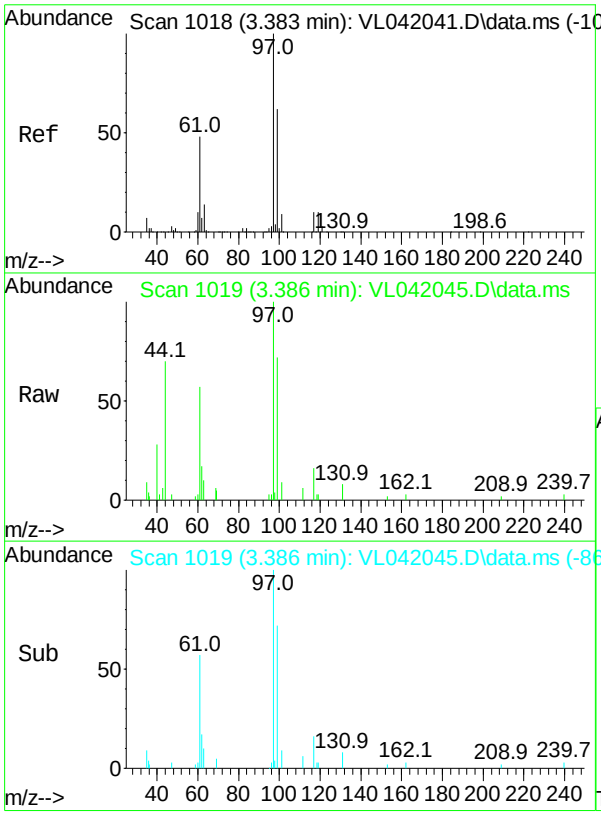


#31
cis-1,2-Dichloroethene
Concen: 0.046 ppbv
RT: 2.732 min Scan# 817
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 61 Resp: 1328

Ion	Ratio	Lower	Upper
61	100		
96	55.3	51.5	77.3
98	27.6	32.0	48.0#



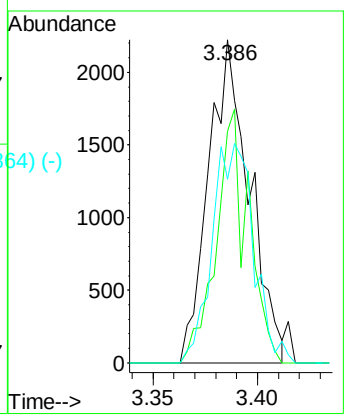


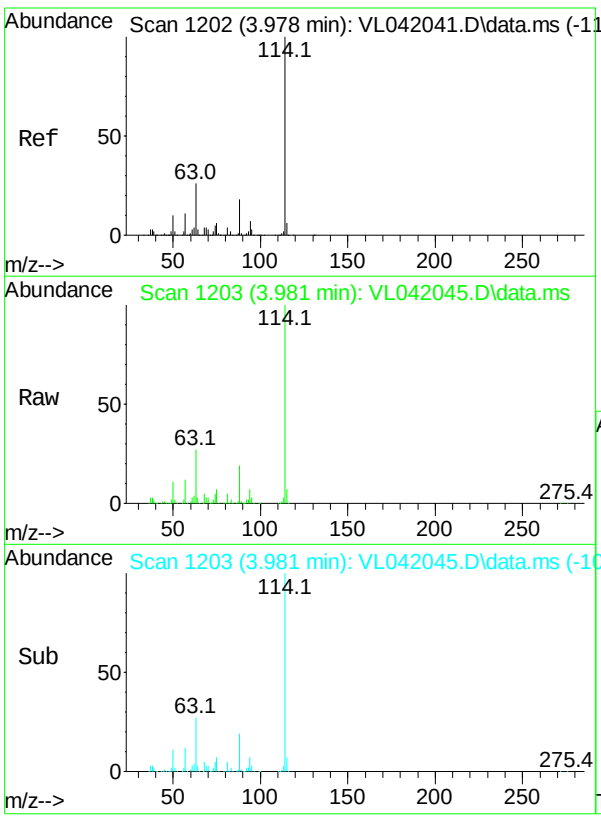
#32
1,1,1-Trichloroethane
Concen: 0.064 ppbv
RT: 3.386 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 3026

Ion	Ratio	Lower	Upper
97	100		
99	61.1	49.8	74.6
61	68.5	38.9	58.3#

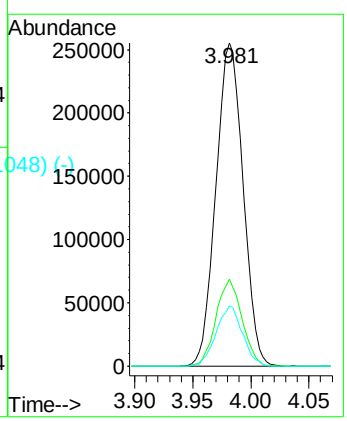


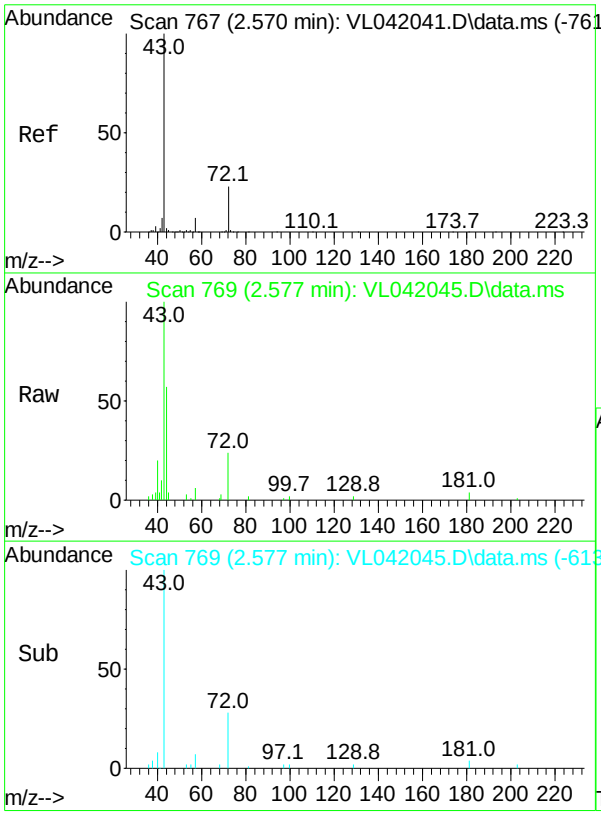


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:114 Resp: 414875

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.1	30.1
88	18.0	14.3	21.5



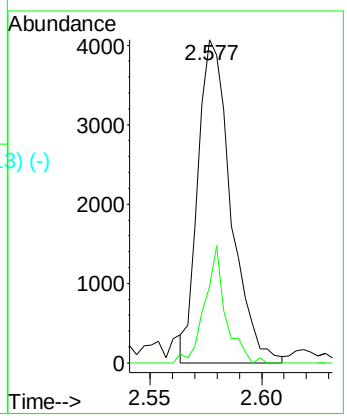


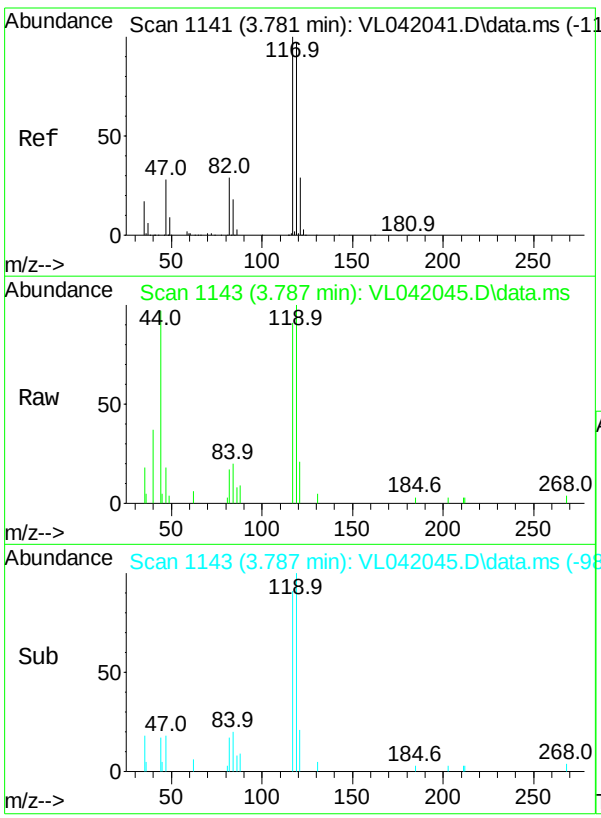
#34
2-Butanone
Concen: 0.117 ppbv
RT: 2.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 4167

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.5	27.7

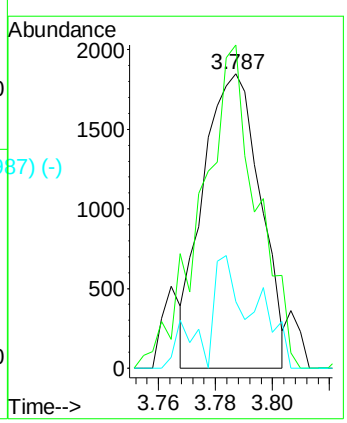


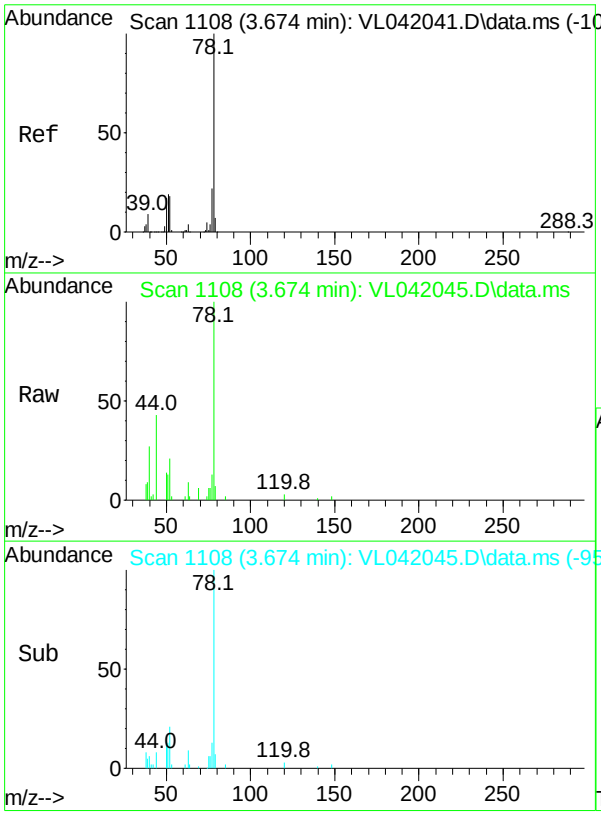


#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 3.787 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:117 Resp: 2571

Ion	Ratio	Lower	Upper
117	100		
119	89.5	77.8	116.8
121	7.7	23.4	35.0#

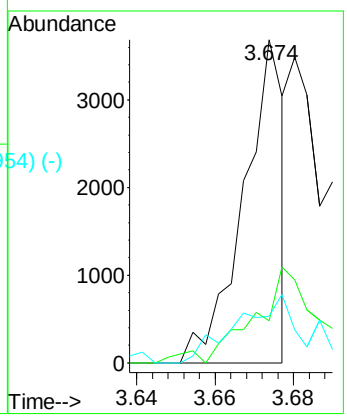




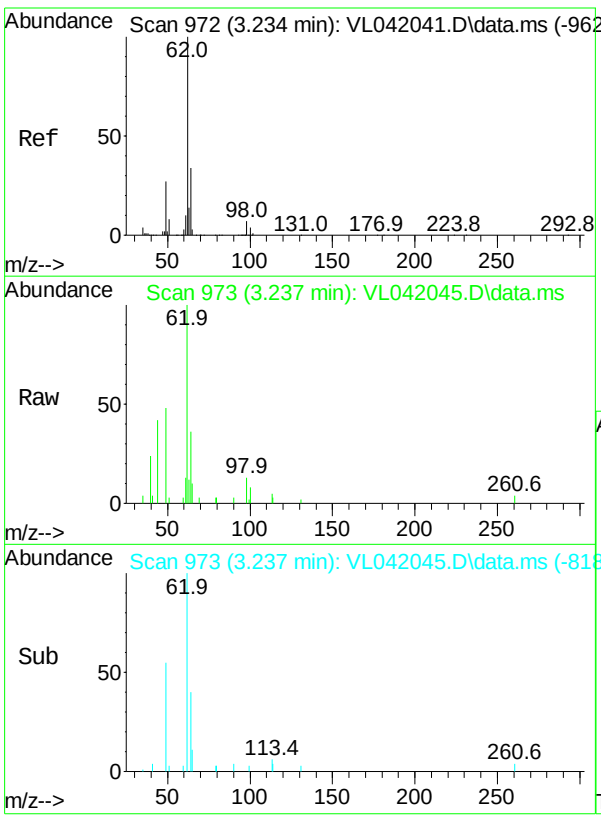
#36
Benzene
Concen: 0.052 ppbv
RT: 3.674 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 78 Resp: 2614

Ion	Ratio	Lower	Upper
78	100		
77	10.3	17.7	26.5#
50	14.4	13.9	20.9



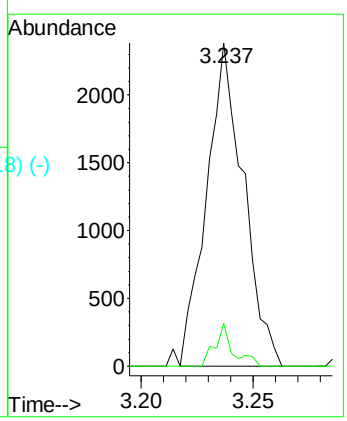
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



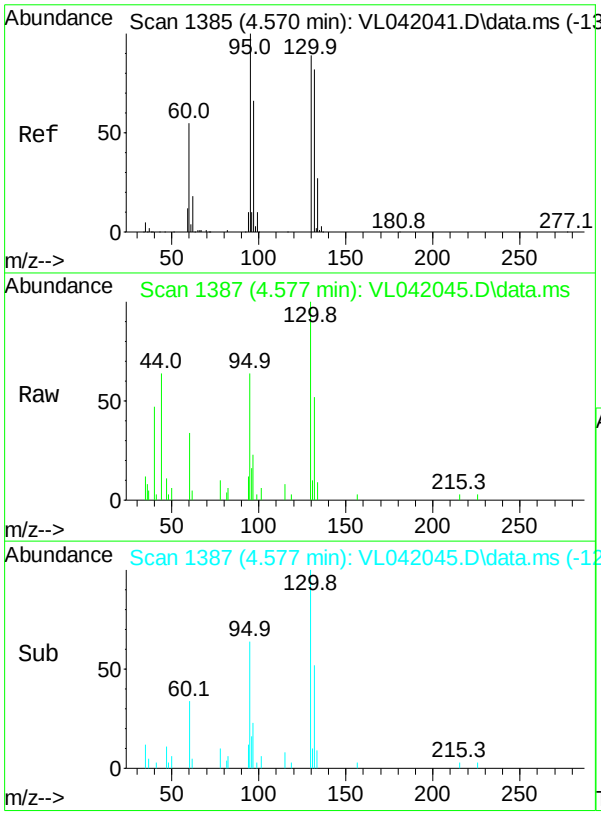
#37
1,2-Dichloroethane
Concen: 0.096 ppbv
RT: 3.237 min Scan# 973
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 62 Resp: 2734

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.7	8.5



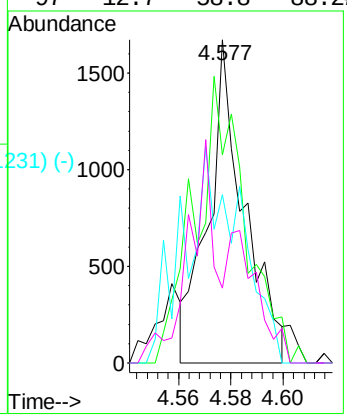
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

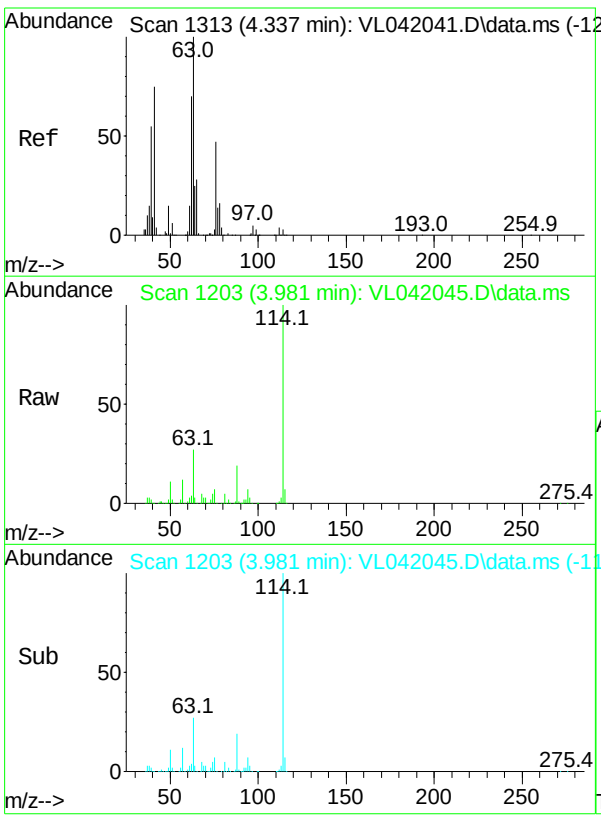


#88
Trichloroethene
Concen: 0.078 ppbv
RT: 4.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:130 Resp: 1585

Ion	Ratio	Lower	Upper
130	100		
95	50.5	89.5	134.3#
132	52.5	73.8	110.6#
97	12.7	58.8	88.2#

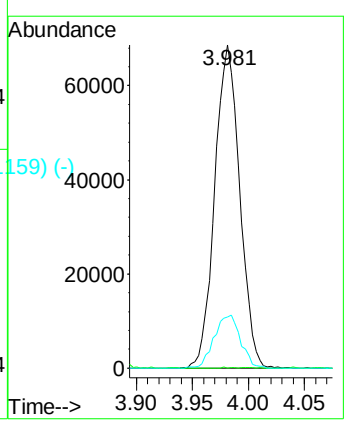


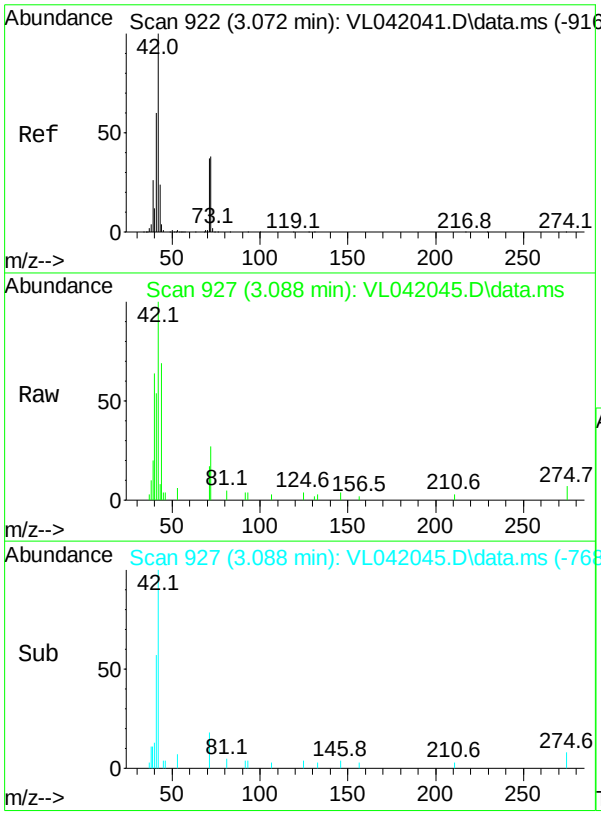


#89
1,2-Dichloropropane
Concen: 5.792 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. -0.356 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 63 Resp: 106722

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.1	90.1#
62	15.9	55.8	83.8#

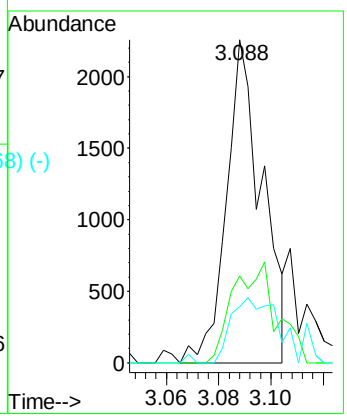




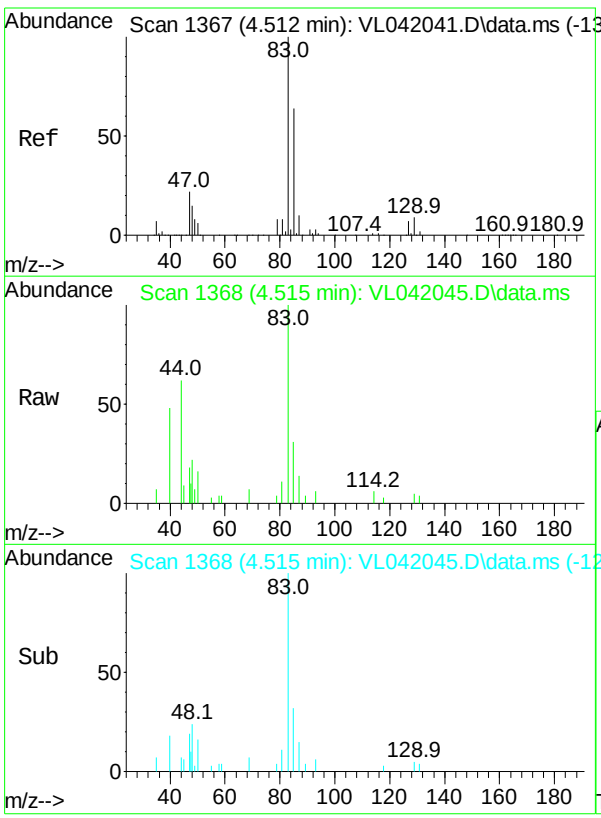
#41
Tetrahydrofuran
Concen: 0.105 ppbv
RT: 3.088 min Scan# 9
Delta R.T. 0.016 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 42 Resp: 2150

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	29.4	28.2	42.4



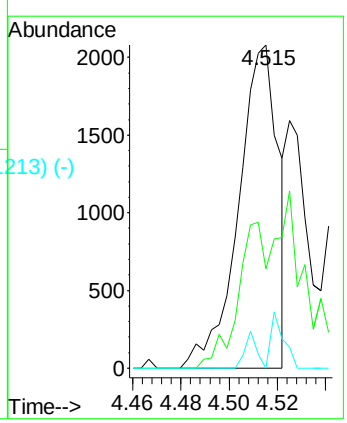
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

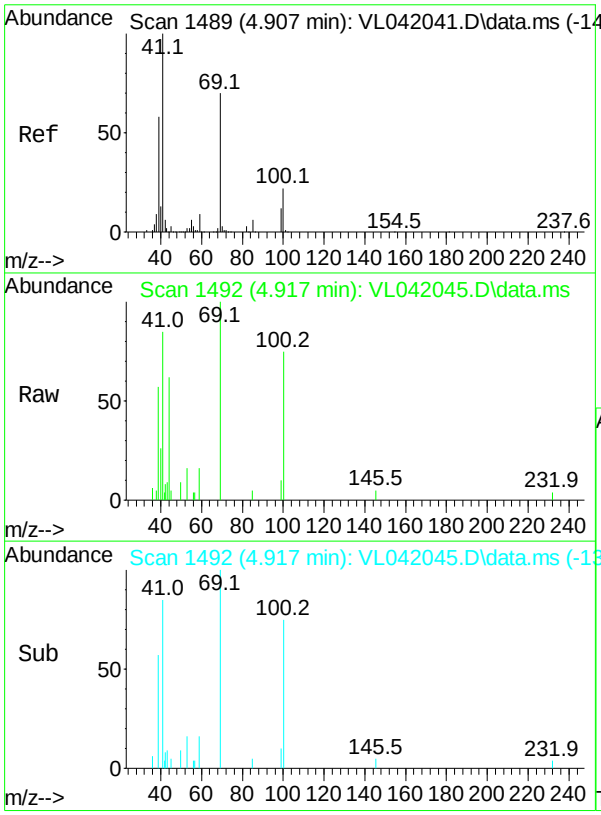


#42
Bromodichloromethane
Concen: 0.061 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 83 Resp: 2370

Ion	Ratio	Lower	Upper
83	100		
85	30.8	51.4	77.2#
127	0.0	5.8	8.6#

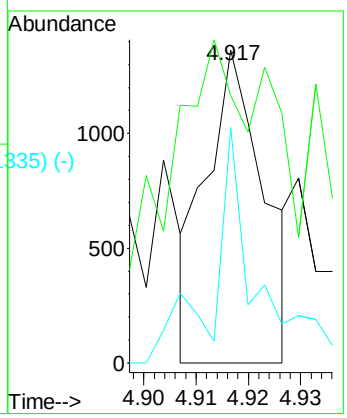


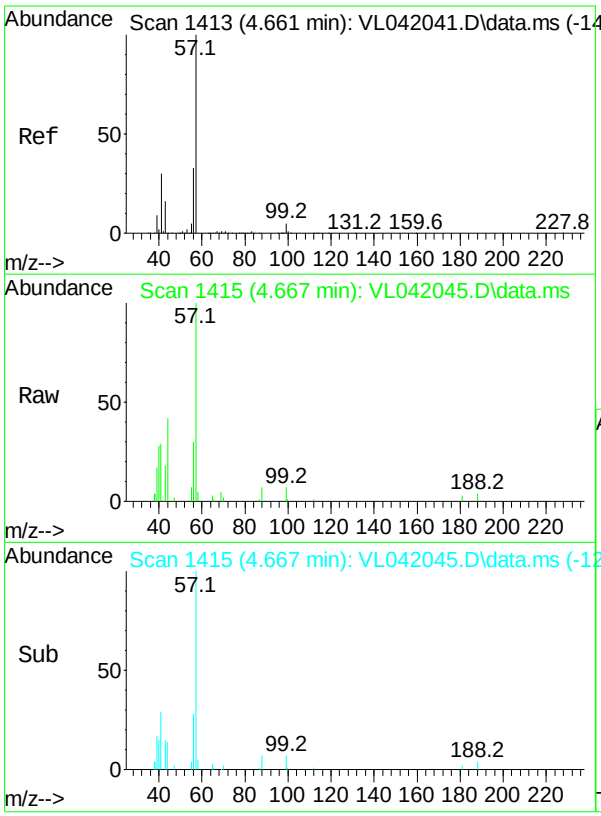


#43
Methyl Methacrylate
Concen: 0.046 ppbv
RT: 4.917 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 69 Resp: 1045

Ion	Ratio	Lower	Upper
69	100		
41	274.1	118.2	177.4#
100	58.9	27.0	40.4#

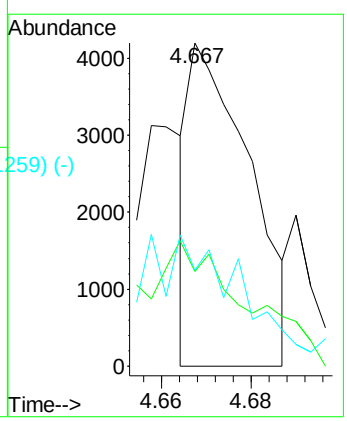




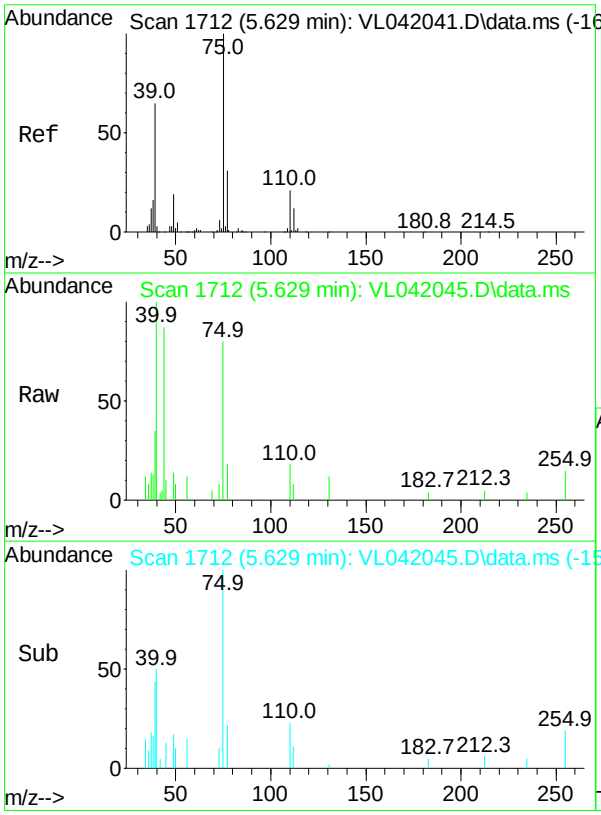
#44
2,2,4-Trimethylpentane
Concen: 0.046 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 57 Resp: 3926

Ion	Ratio	Lower	Upper
57	100		
41	74.0	24.4	36.6#
56	0.0	26.5	39.7#



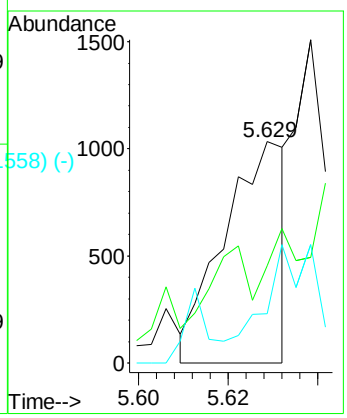
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



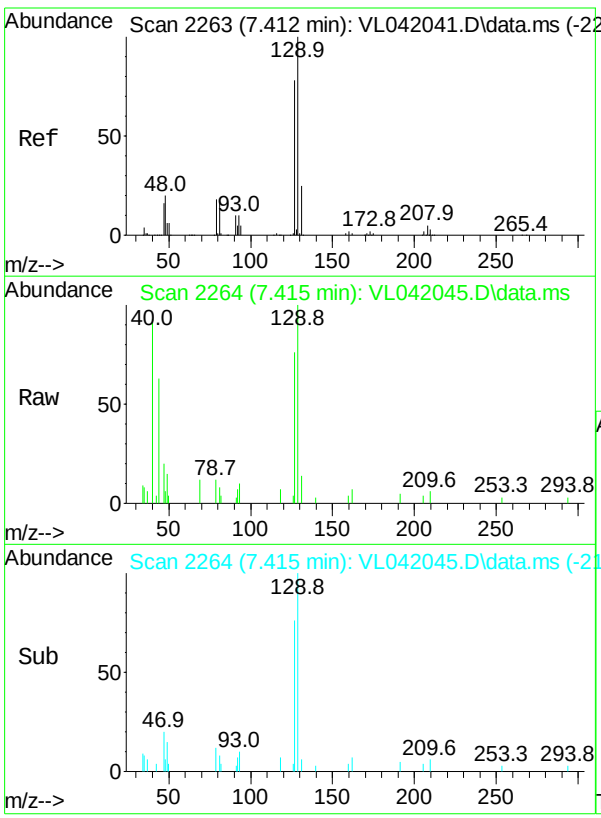
#46
cis-1,3-Dichloropropene
Concen: 0.036 ppbv
RT: 5.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 75 Resp: 976

Ion	Ratio	Lower	Upper
75	100		
39	32.6	51.9	77.9#
77	14.2	24.9	37.3#



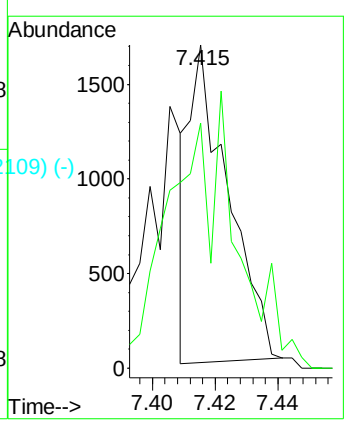
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



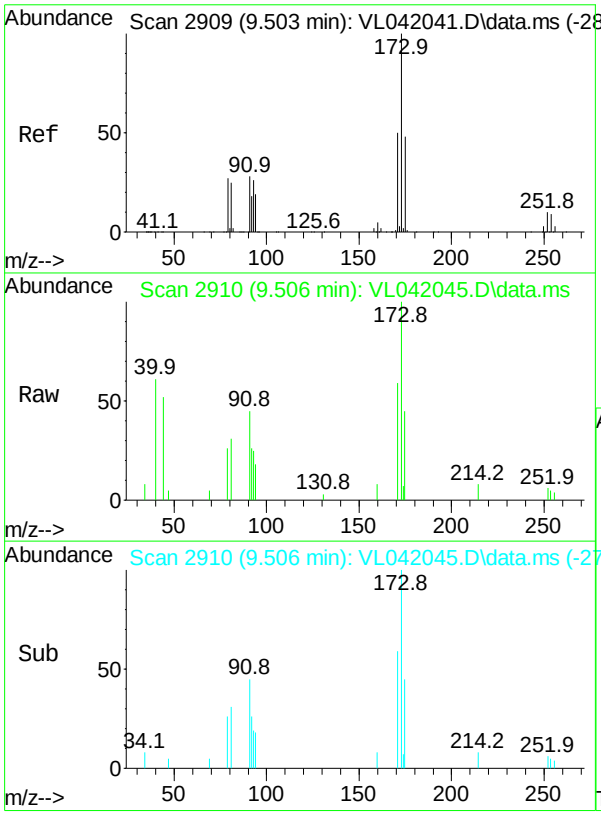
#48
Dibromochloromethane
Concen: 0.044 ppbv
RT: 7.415 min Scan# 2264
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:129 Resp: 1445

Ion	Ratio	Lower	Upper
129	100		
127	143.7	38.6	115.8#



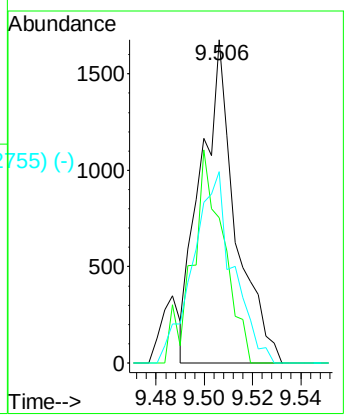
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

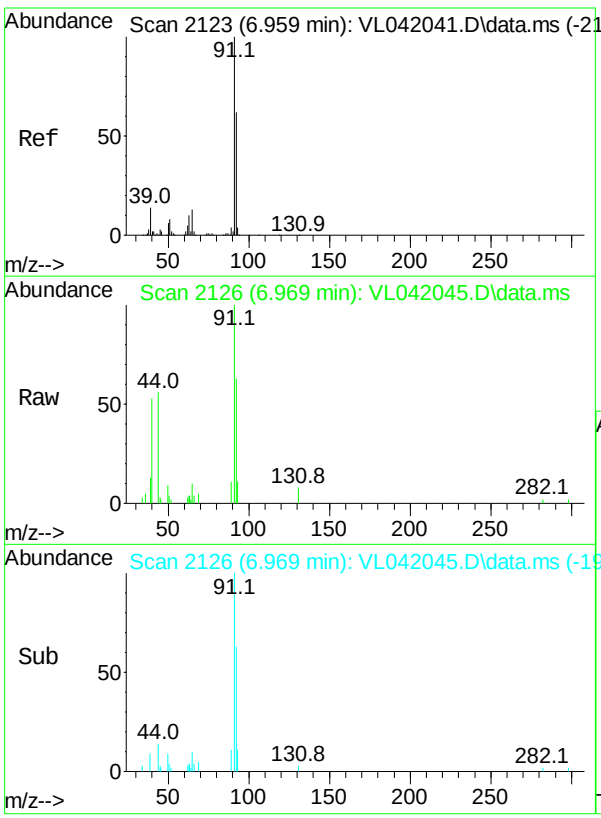


#49
Bromoform
Concen: 0.063 ppbv
RT: 9.506 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:173 Resp: 1684

Ion	Ratio	Lower	Upper
173	100		
175	59.0	38.3	57.5#
171	68.1	40.2	60.2#

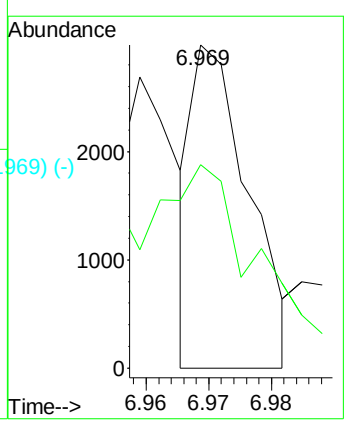


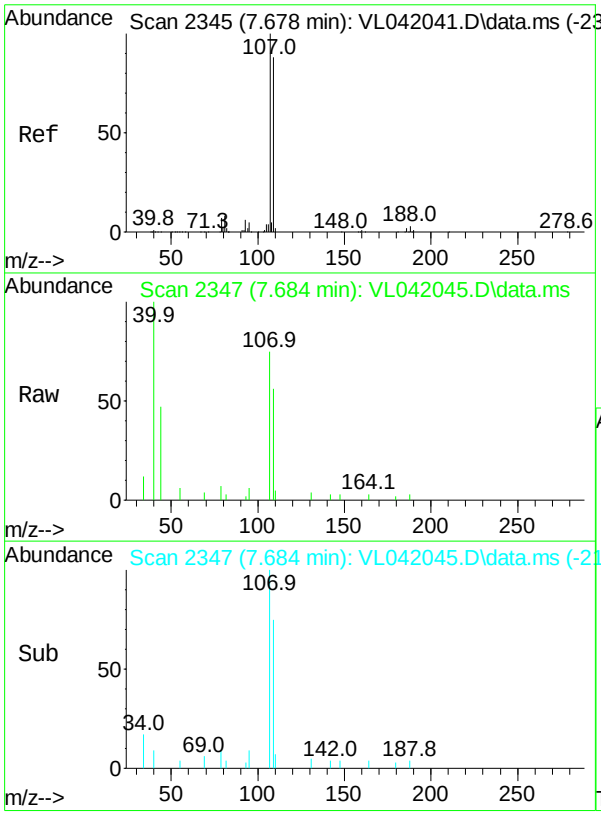


#53
Toluene
Concen: 0.031 ppbv
RT: 6.969 min Scan# 2126
Delta R.T. 0.010 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 1861

Ion	Ratio	Lower	Upper
91	100		
92	180.2	49.0	73.6#



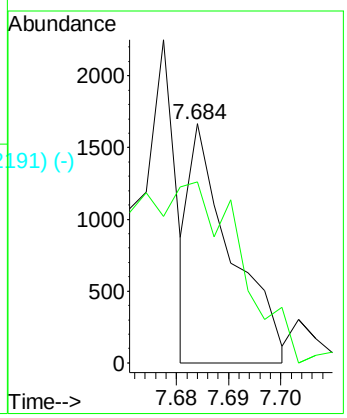


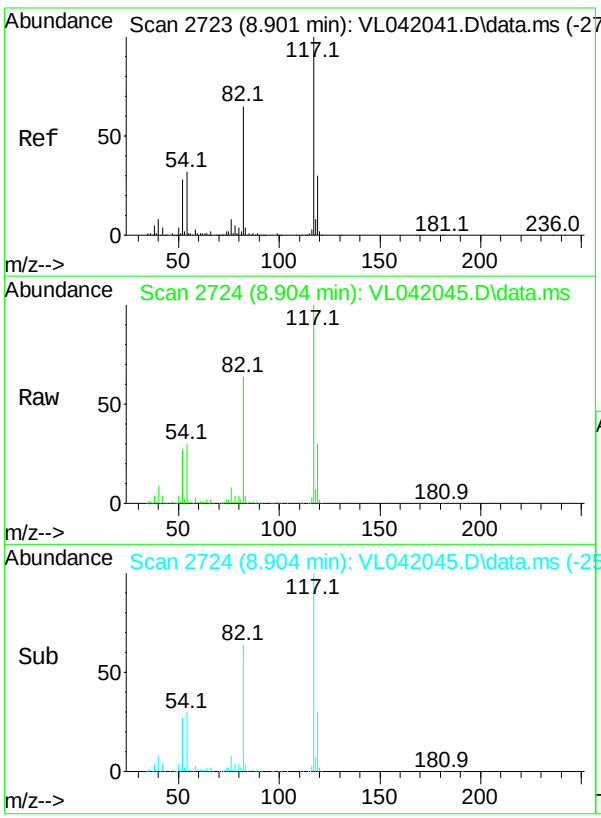
#54
1,2-Dibromoethane
Concen: 0.034 ppbv
RT: 7.684 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:107 Resp: 915

Ion	Ratio	Lower	Upper
107	100		
109	56.2	70.2	105.4#

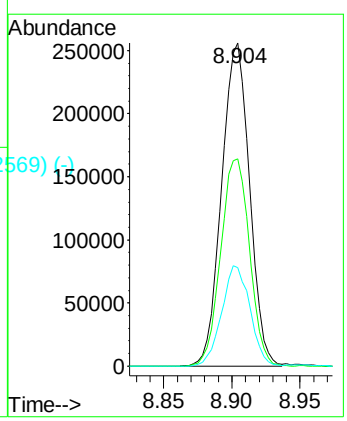


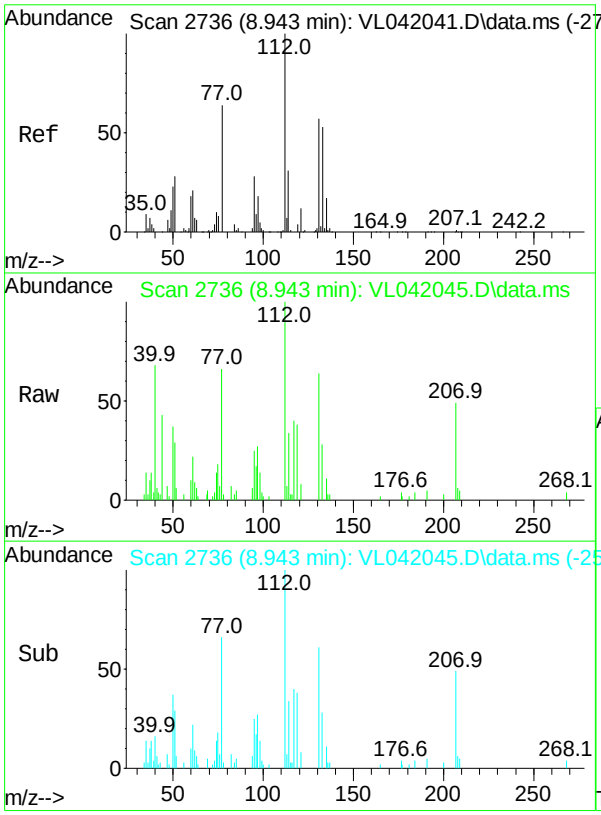


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:117 Resp: 363831

Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.0	82.6
119	31.9	25.9	38.9

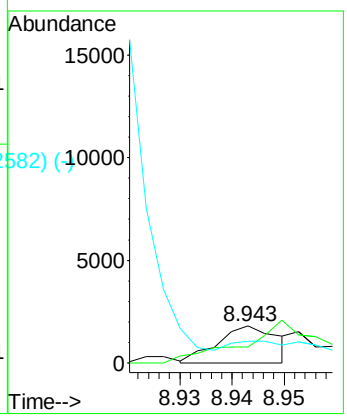




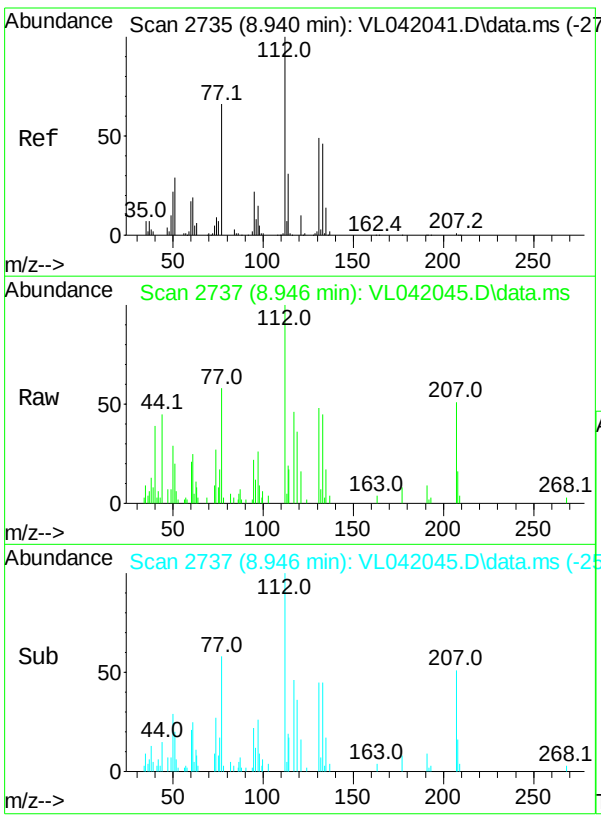
#56
1,1,1,2-Tetrachloroethan
Concen: 0.055 ppbv
RT: 8.943 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:131 Resp: 1438

Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.8	113.8#
119	0.0	52.1	78.1#



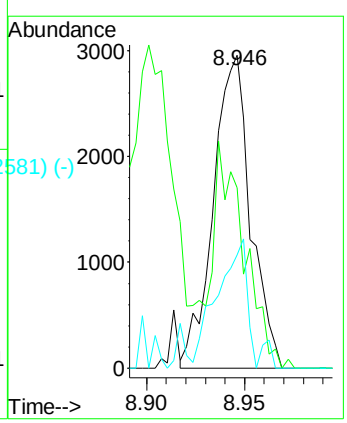
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

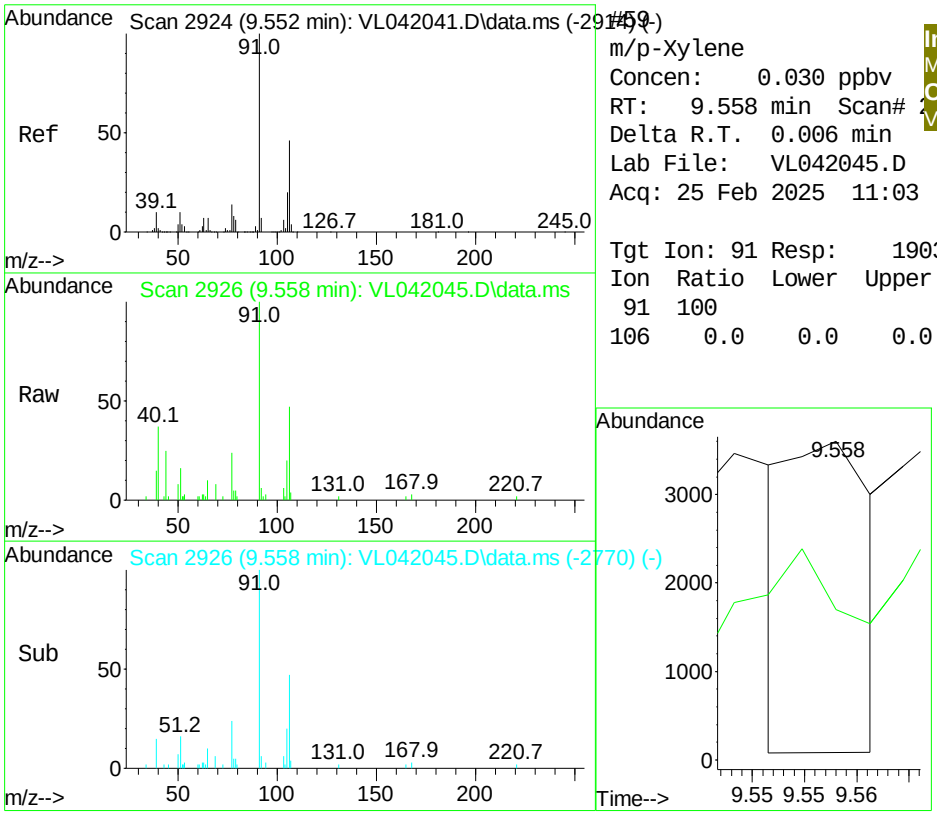


#57
Chlorobenzene
Concen: 0.091 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:112 Resp: 3915

Ion	Ratio	Lower	Upper
112	100		
77	57.8	53.4	80.2
114	36.3	28.3	34.5#



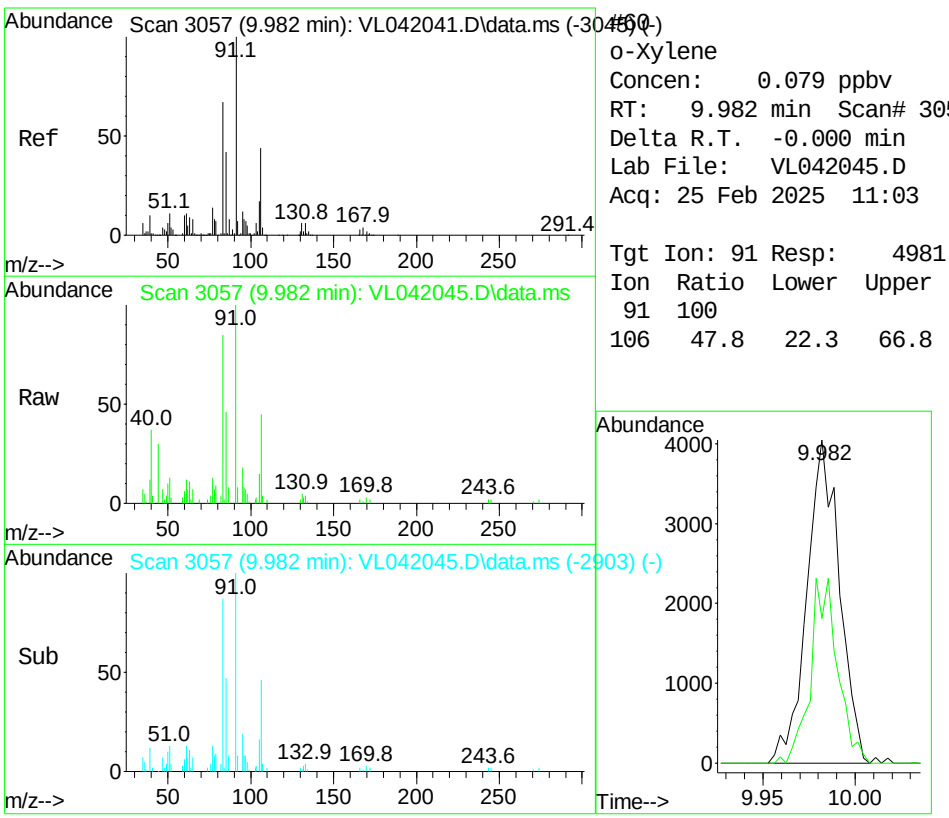


#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 9.558 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 1903

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

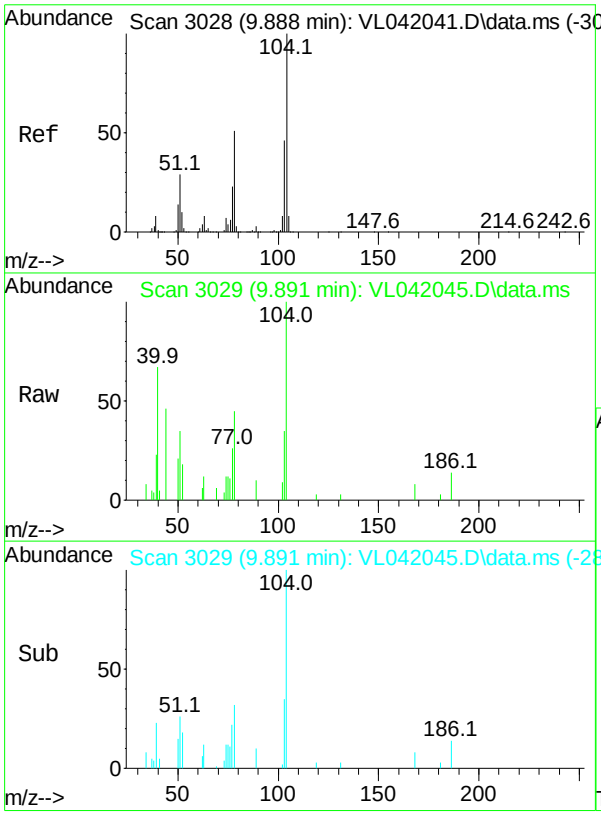
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



#60
o-Xylene
Concen: 0.079 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 4981

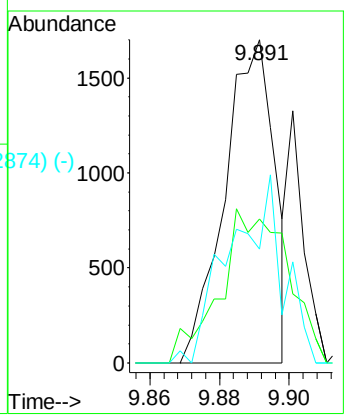
Ion	Ratio	Lower	Upper
91	100		
106	47.8	22.3	66.8



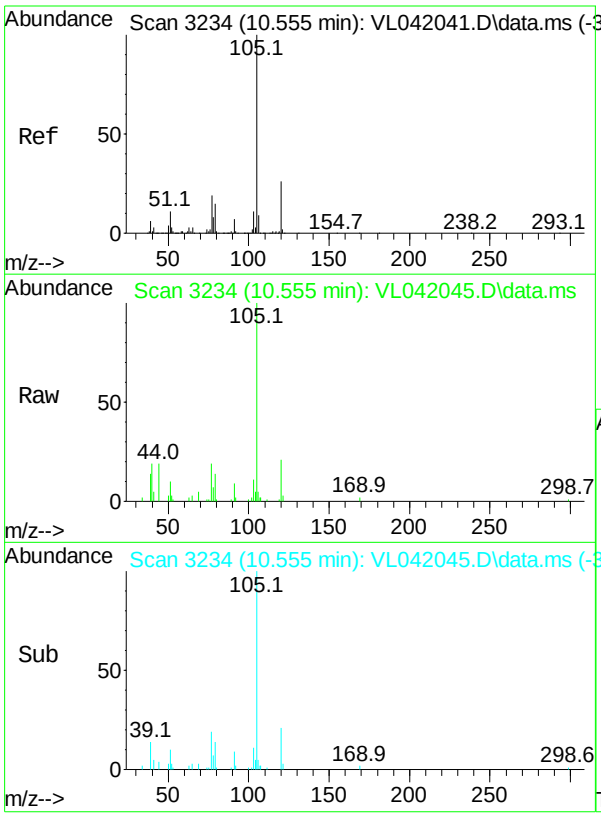
#61
Styrene
Concen: 0.056 ppbv
RT: 9.891 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:104 Resp: 1689

Ion	Ratio	Lower	Upper
104	100		
78	69.2	41.0	61.4#
103	61.5	37.0	55.6#



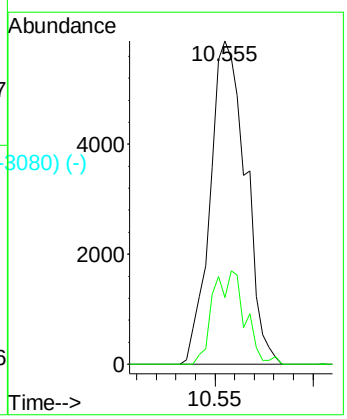
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

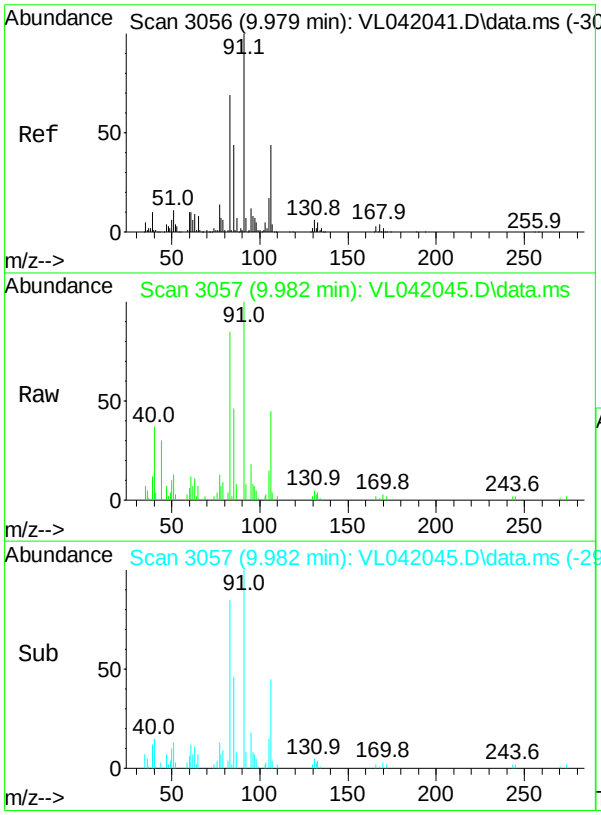


#62
Isopropylbenzene
Concen: 0.078 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:105 Resp: 7453

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.7	31.1

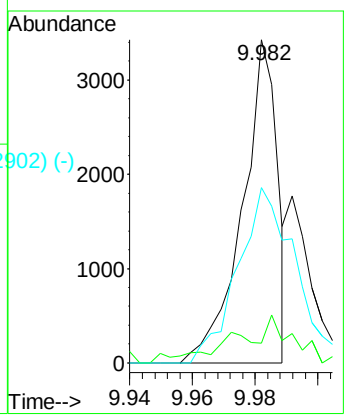




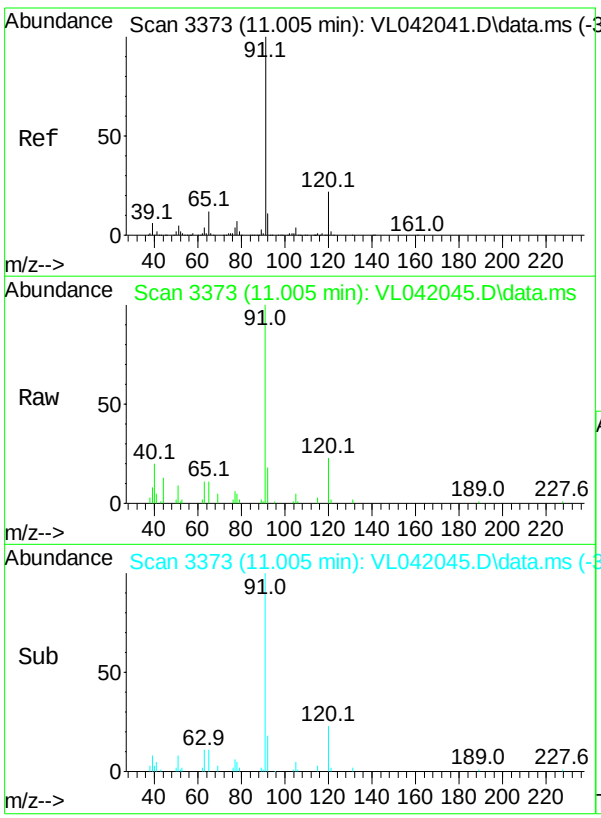
#63
1,1,2,2-Tetrachloroethan
Concen: 0.065 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 83 Resp: 2654

Ion	Ratio	Lower	Upper
83	100		
131	30.7	4.5	13.7#
85	88.3	32.1	96.3



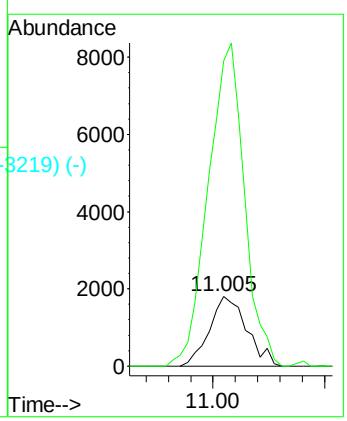
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

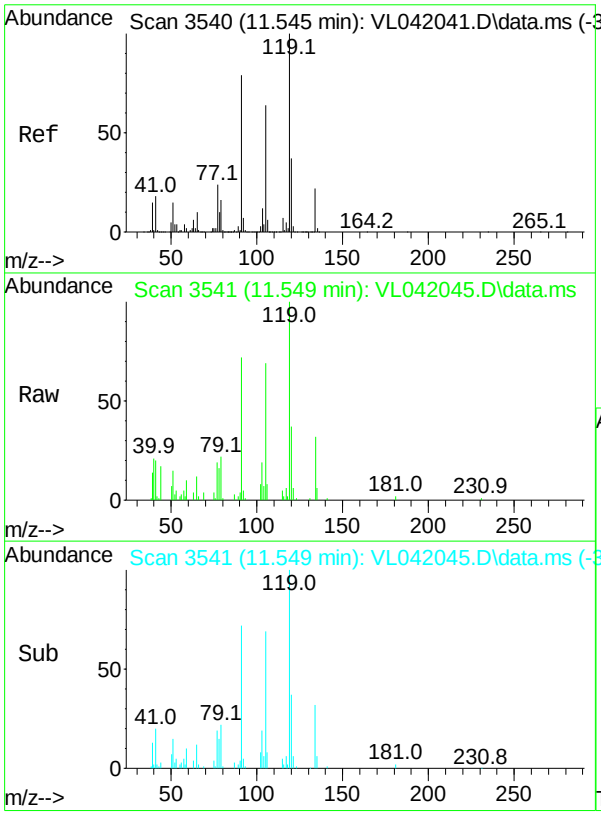


#64
n-propylbenzene
Concen: 0.089 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:120 Resp: 2092

Ion	Ratio	Lower	Upper
120	100		
91	450.0	370.6	556.0

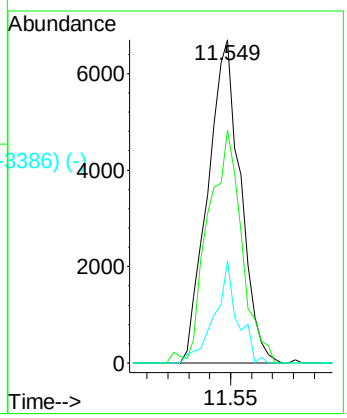




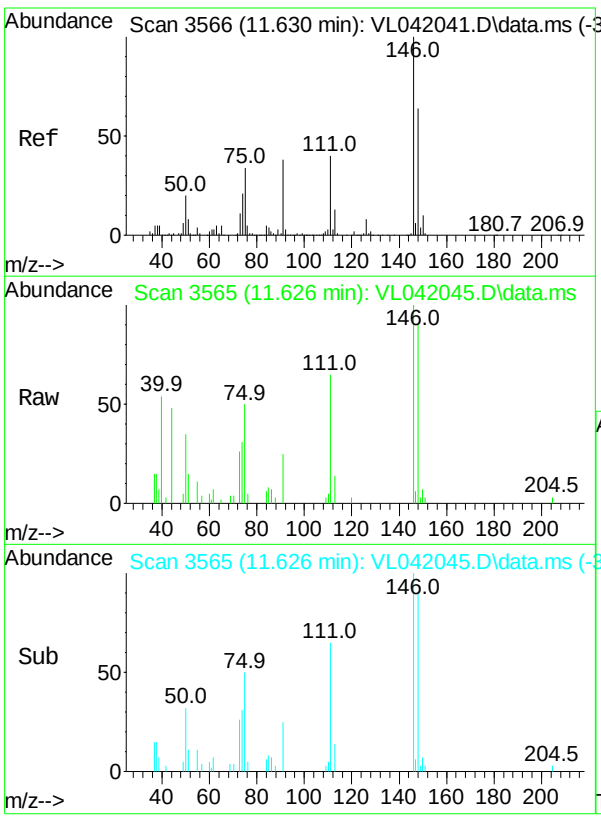
#65
tert-Butylbenzene
Concen: 0.088 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:119 Resp: 7279

Ion	Ratio	Lower	Upper
119	100		
91	74.4	64.2	96.2
134	22.0	17.4	26.2



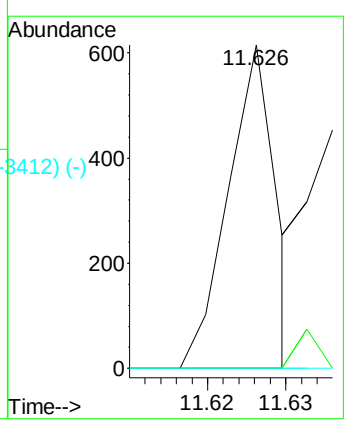
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

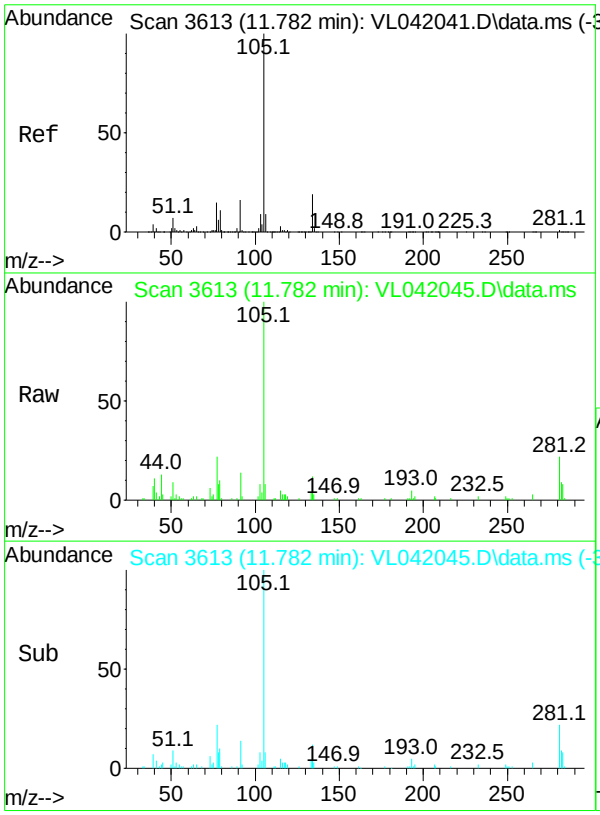


#66
Benzyl Chloride
Concen: 0.031 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 260

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.5	21.7#
128	0.0	5.4	8.2#

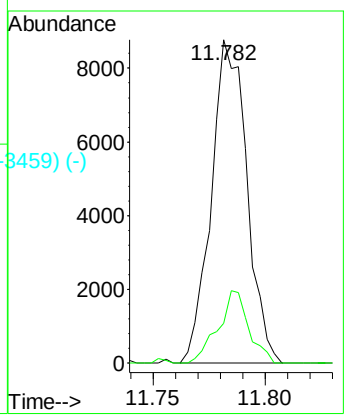




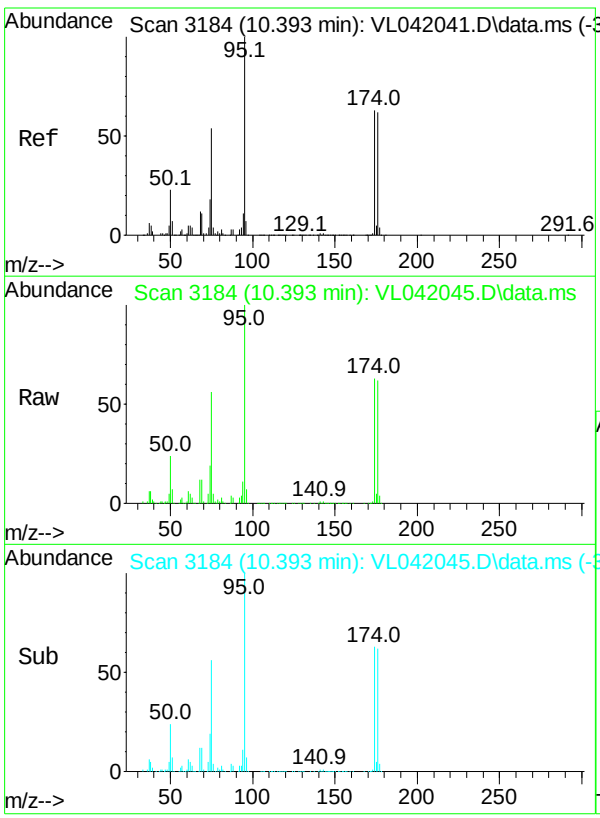
#67
sec-Butylbenzene
Concen: 0.083 ppbv
RT: 11.782 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:105 Resp: 9708

Ion	Ratio	Lower	Upper
105	100		
134	19.5	14.9	22.3



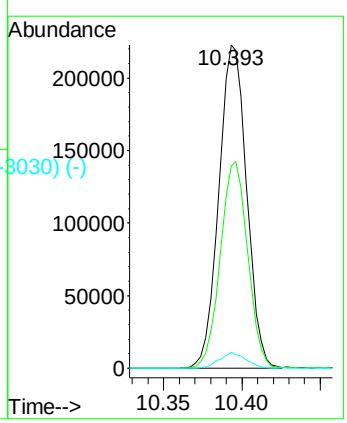
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

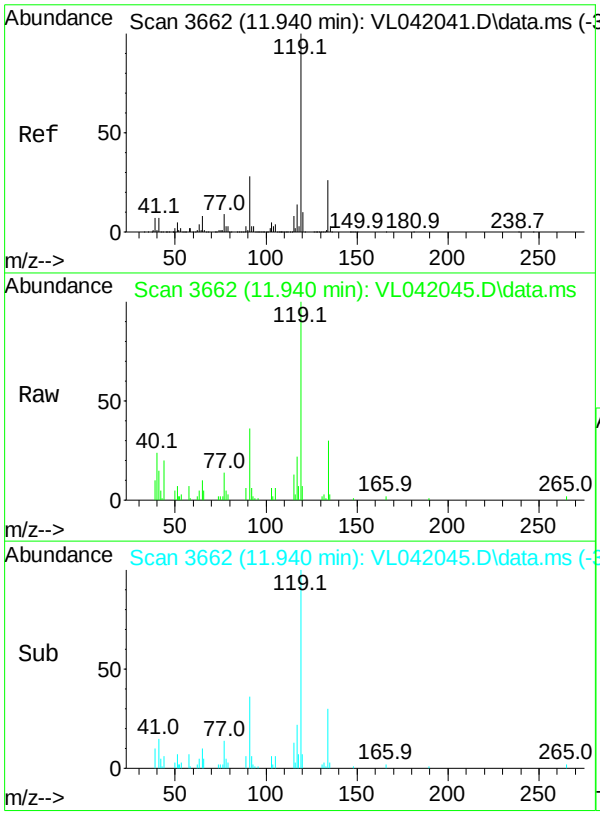


#68
1-Bromo-4-Fluorobenzene
Concen: 9.213 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 95 Resp: 276484

Ion	Ratio	Lower	Upper
95	100		
174	63.2	51.8	77.6
175	4.6	3.9	5.9

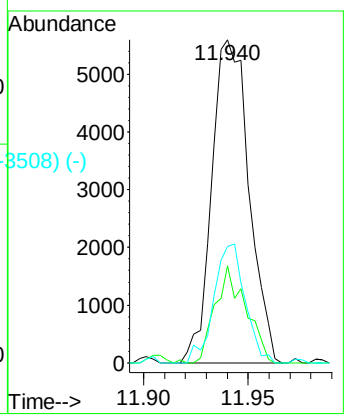




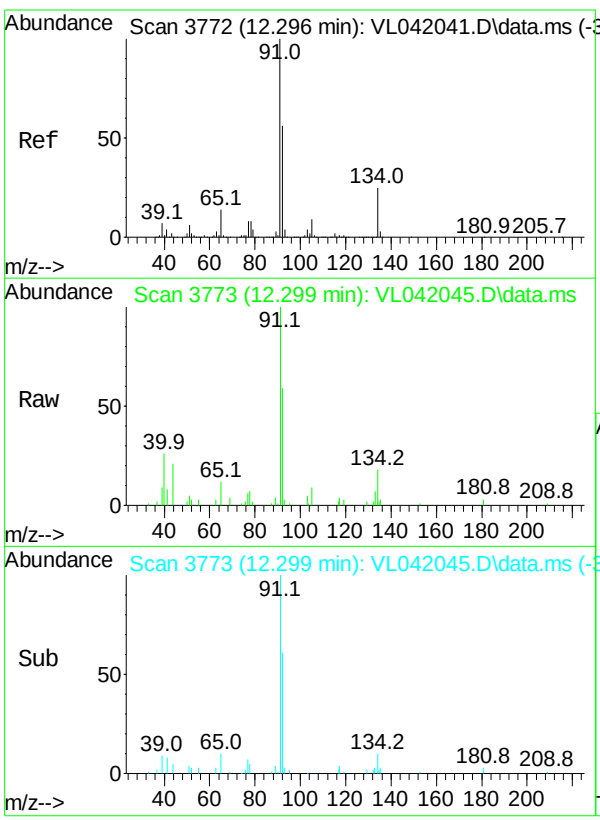
#69
p-Isopropyltoluene
Concen: 0.073 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:119 Resp: 6937

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	31.7	23.1	34.7



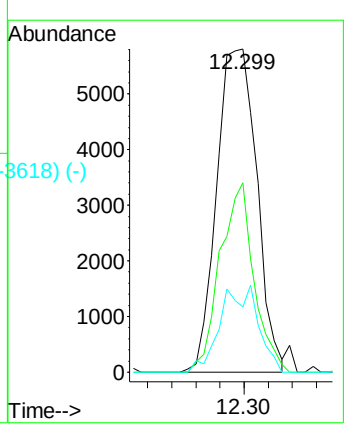
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

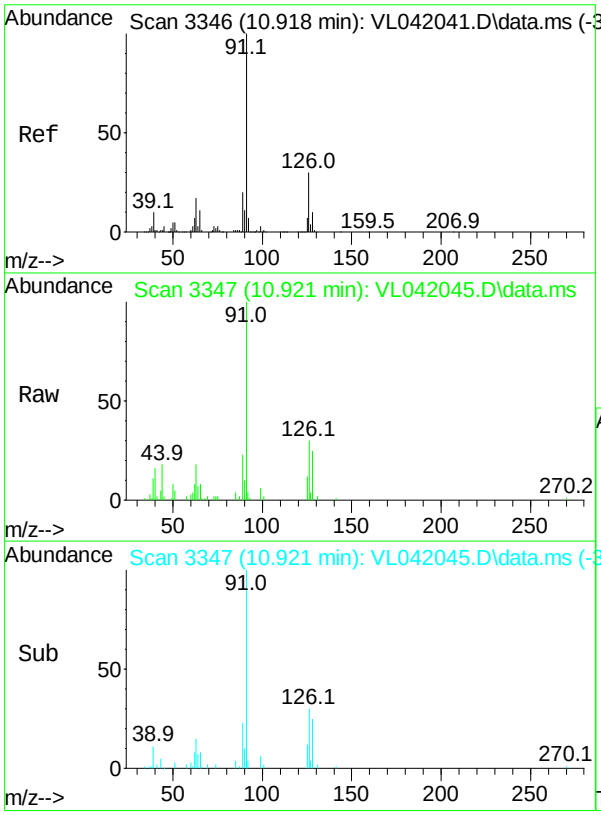


#70
n-Butylbenzene
Concen: 0.071 ppbv
RT: 12.299 min Scan# 3773
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 6704

Ion	Ratio	Lower	Upper
91	100		
92	49.3	44.7	67.1
134	25.2	18.9	28.3

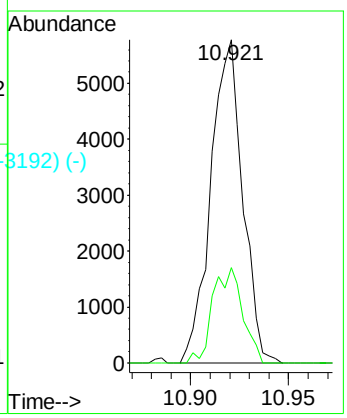


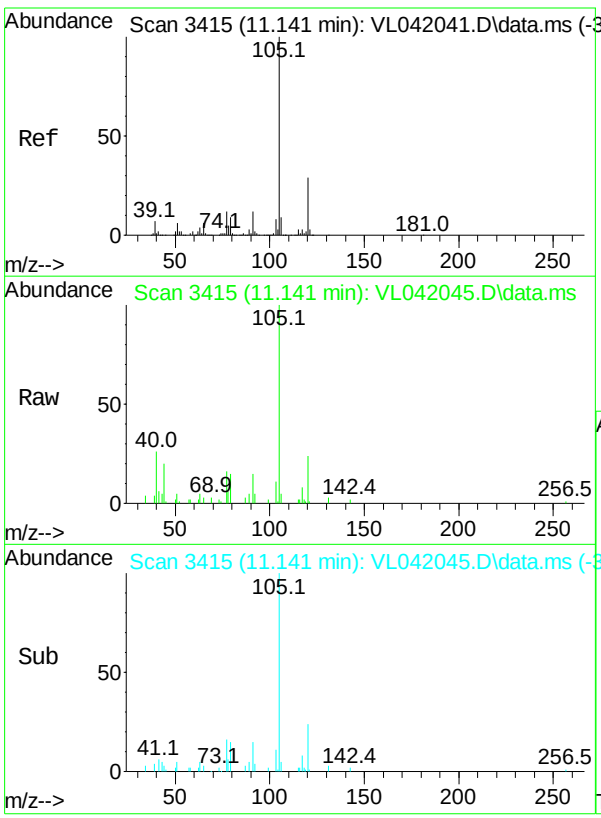


#71
2-Chlorotoluene
Concen: 0.091 ppbv
RT: 10.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion: 91 Resp: 6558

Ion	Ratio	Lower	Upper
91	100		
126	27.7	11.9	47.5

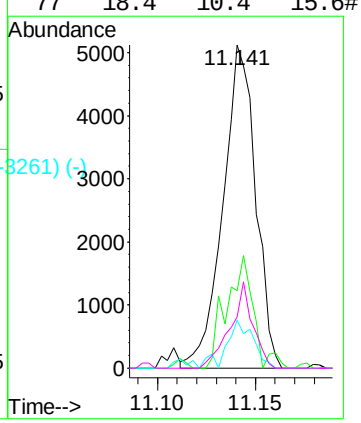




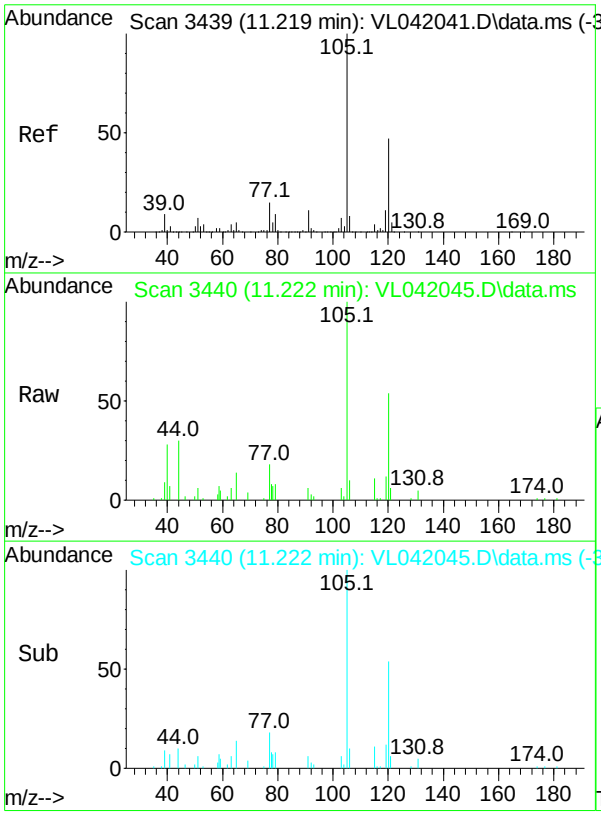
#72
4-Ethyltoluene
Concen: 0.080 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:105 Resp: 5948

Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.1	36.1
91	13.5	10.2	15.4
77	18.4	10.4	15.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



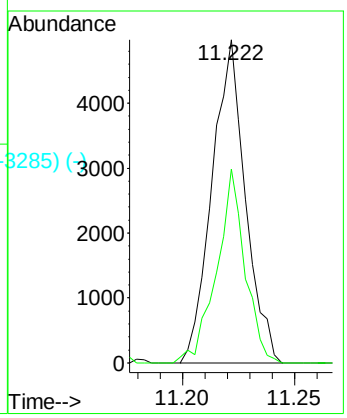
#73

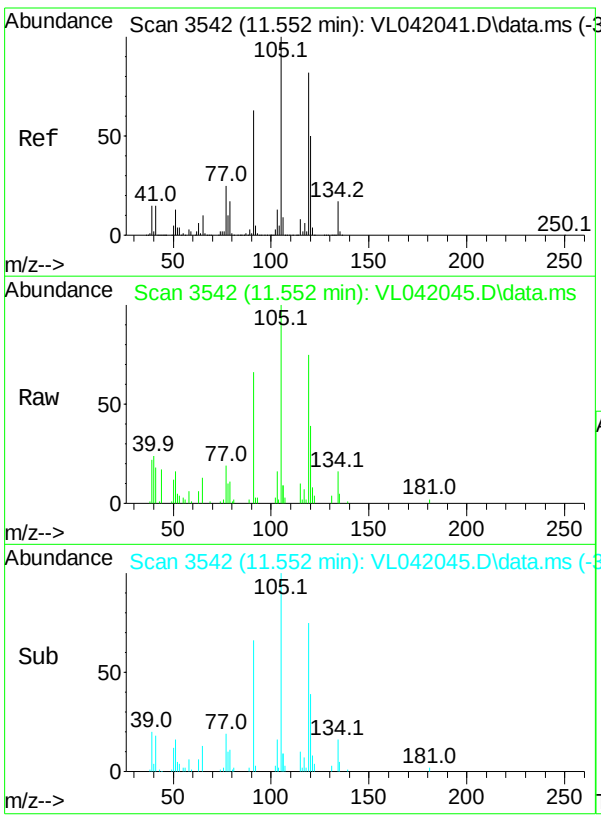
1,3,5-Trimethylbenzene
Concen: 0.081 ppbv
RT: 11.222 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 5175

Ion	Ratio	Lower	Upper
105	100		
120	60.0	37.4	56.0#



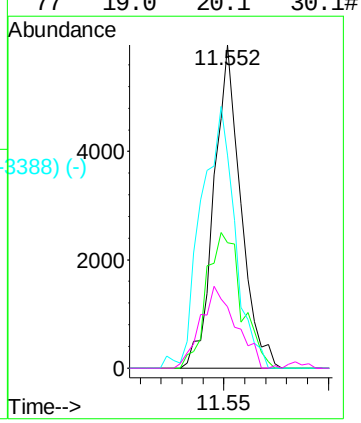


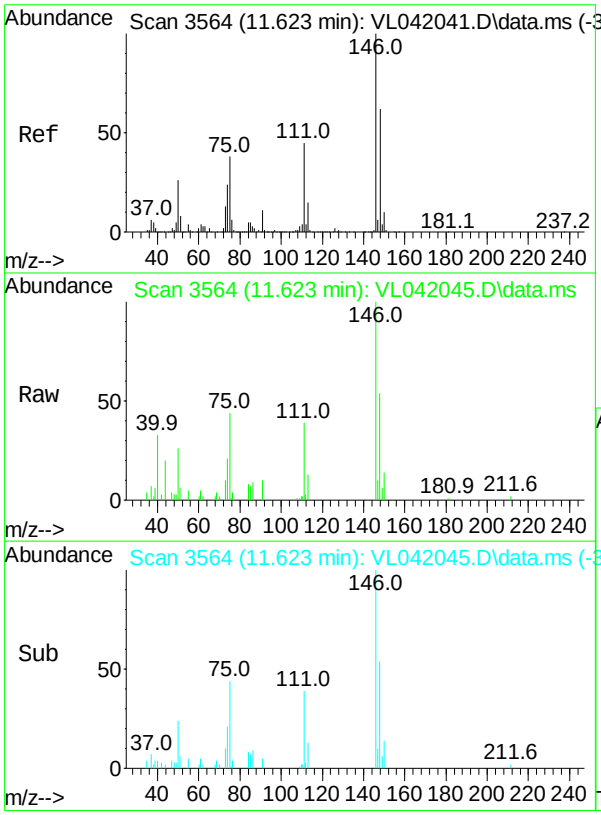
#74

1,2,4-Trimethylbenzene
Concen: 0.077 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:105 Resp: 5323

Ion	Ratio	Lower	Upper
105	100		
120	38.8	40.2	60.2#
91	66.0	51.4	77.2
77	19.0	20.1	30.1#



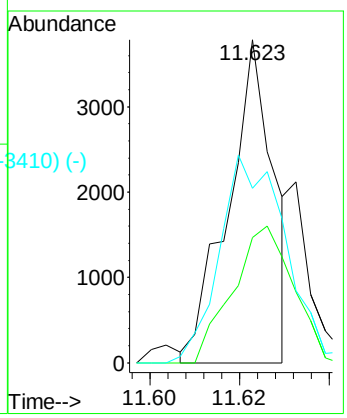


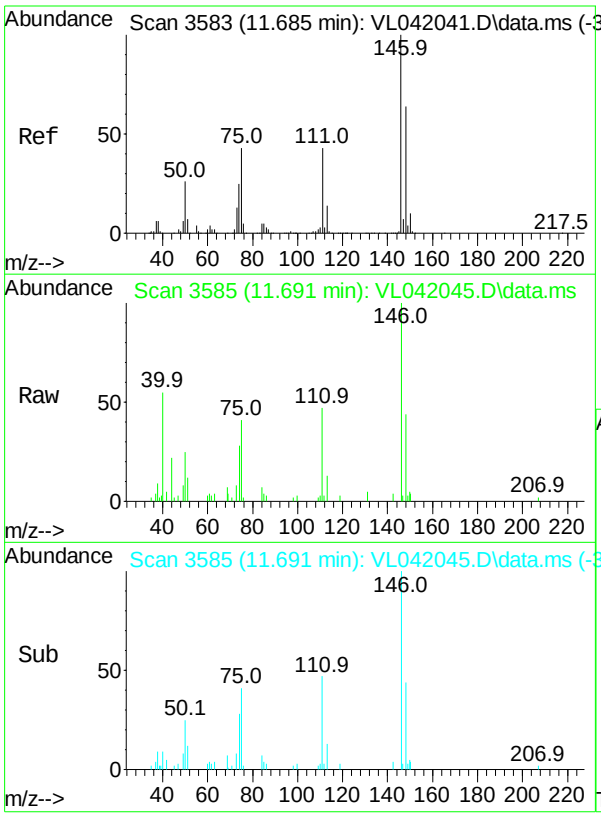
#75
1,3-Dichlorobenzene
Concen: 0.072 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2662

Ion	Ratio	Lower	Upper
146	100		
111	56.5	22.4	67.2
148	93.2	32.3	96.8

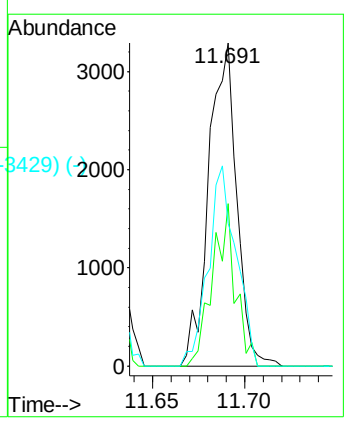


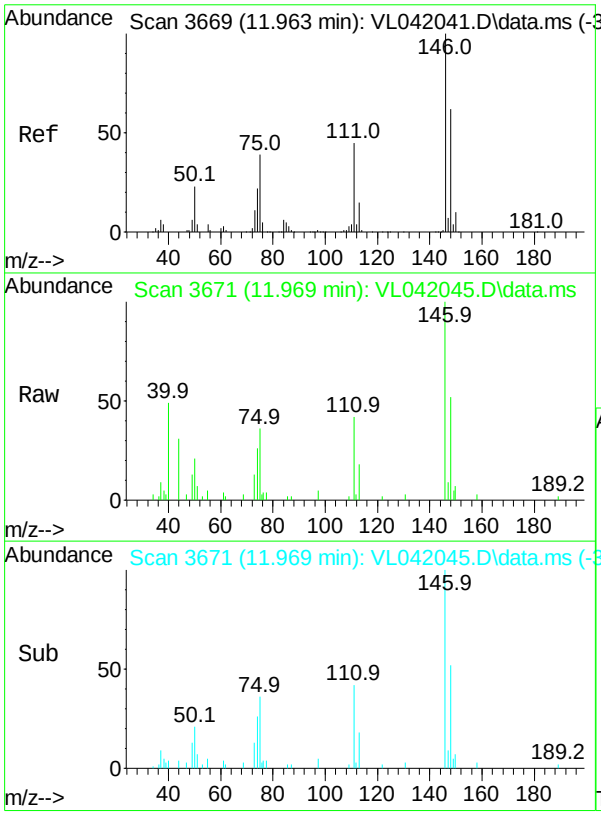


#76
1,4-Dichlorobenzene
Concen: 0.096 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:146 Resp: 3477

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.5	64.5
148	61.8	31.6	95.0

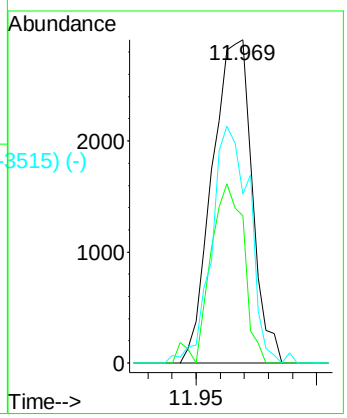


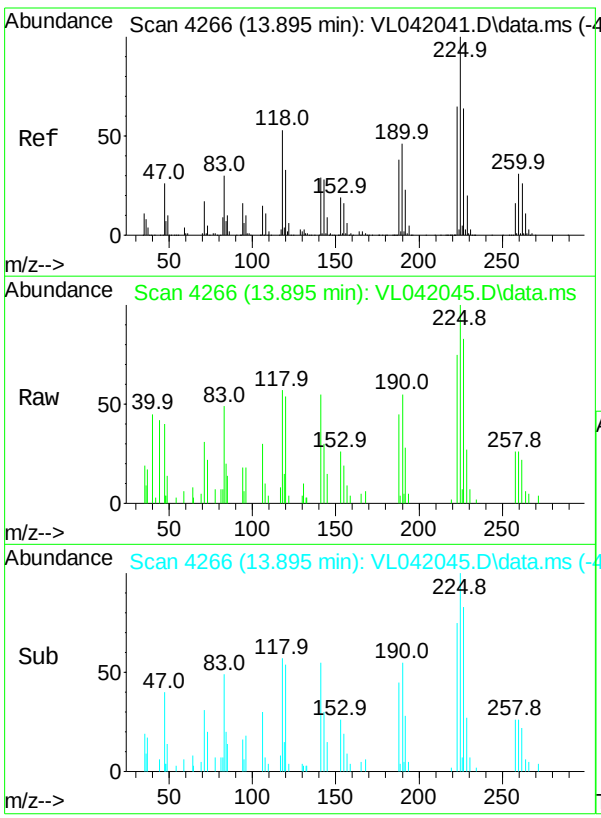


#57
1,2-Dichlorobenzene
Concen: 0.094 ppbv
RT: 11.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:146 Resp: 3344

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.2	69.6
148	69.8	31.4	94.2

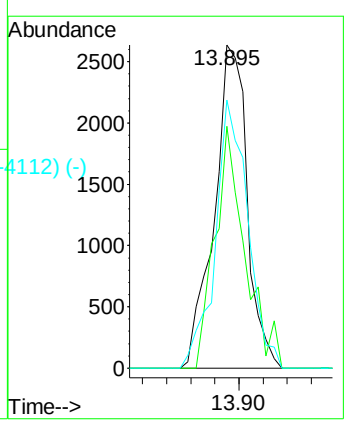




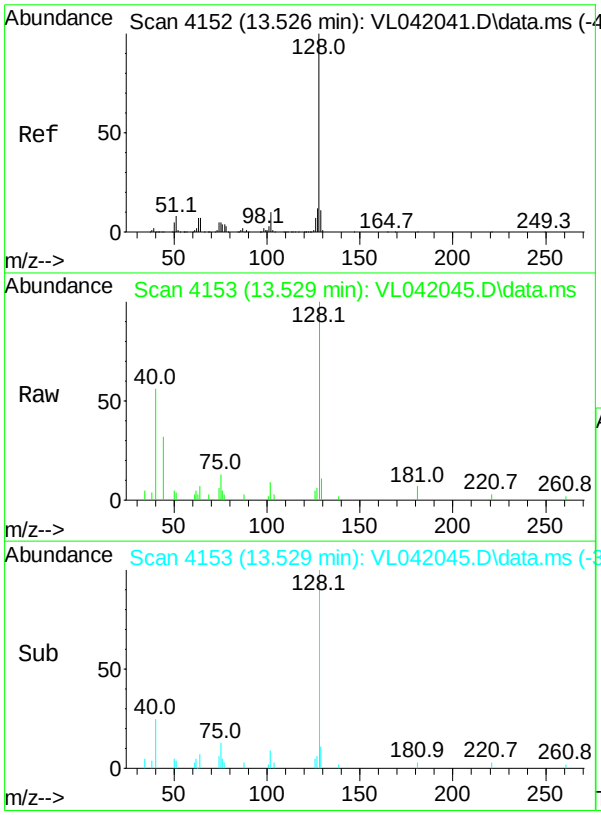
#58
Hexachloro-1,3-Butadiene
Concen: 0.085 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:225 Resp: 2487

Ion	Ratio	Lower	Upper
225	100		
223	68.4	50.2	75.2
227	81.9	50.8	76.2#



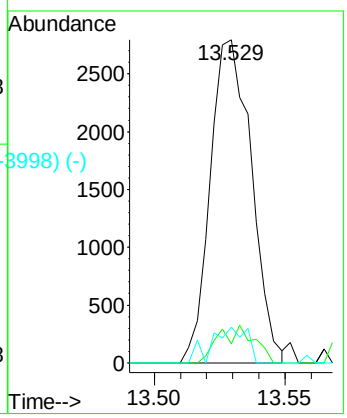
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

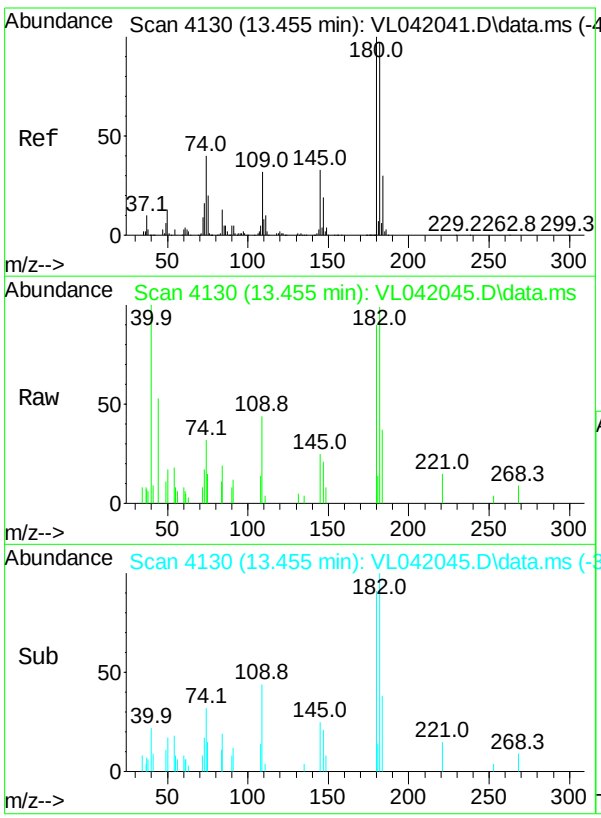


#79
Naphthalene
Concen: 0.045 ppbv
RT: 13.529 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:128 Resp: 3058

Ion	Ratio	Lower	Upper
128	100		
127	5.9	9.8	14.6#
129	11.1	8.6	12.8

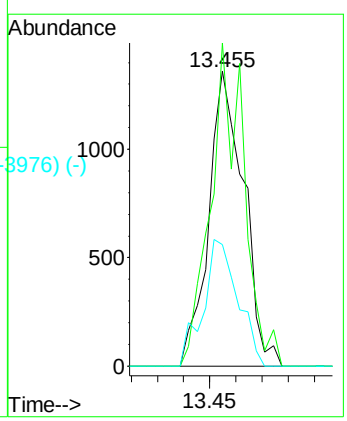




#81
1,2,4-Trichlorobenzene
Concen: 0.046 ppbv
RT: 13.455 min Scan# 4130
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

Tgt Ion:180 Resp: 1262

Ion	Ratio	Lower	Upper
180	100		
182	104.4	75.1	112.7
184	42.4	23.8	35.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quantitation Report (Not Reviewed)

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042046.D
Acq On : 25 Feb 2025 11:34
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	160156	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	410900	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	353154	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	272906	9.368	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.700%			
Target Compounds						Qvalue
9) Propene	1.489	41	666	0.051	ppbv	# 73
13) Ethanol	1.732	45	132	0.089	ppbv	# 1
15) Acetone	1.842	43	2306	0.087	ppbv	# 83
16) 1,3-Butadiene	1.612	39	451	0.036	ppbv	# 77
19) Isopropyl Alcohol	1.894	45	725	0.049	ppbv	# 32
20) Methylene Chloride	2.065	84	531	0.053	ppbv	# 81
23) Vinyl Acetate	2.463	43	1056	0.074	ppbv	# 1
34) 2-Butanone	2.577	43	1626	0.046	ppbv	93
39) 1,2-Dichloropropane	3.975	63	107084	5.868	ppbv	# 23
74) 1,2,4-Trimethylbenzene	11.545	105	2008	0.030	ppbv	# 90
75) 1,3-Dichlorobenzene	11.623	146	1244	0.035	ppbv	91
77) 1,2-Dichlorobenzene	11.960	146	1261	0.037	ppbv	98
78) Hexachloro-1,3-Butadiene	13.895	225	1218	0.043	ppbv	# 91

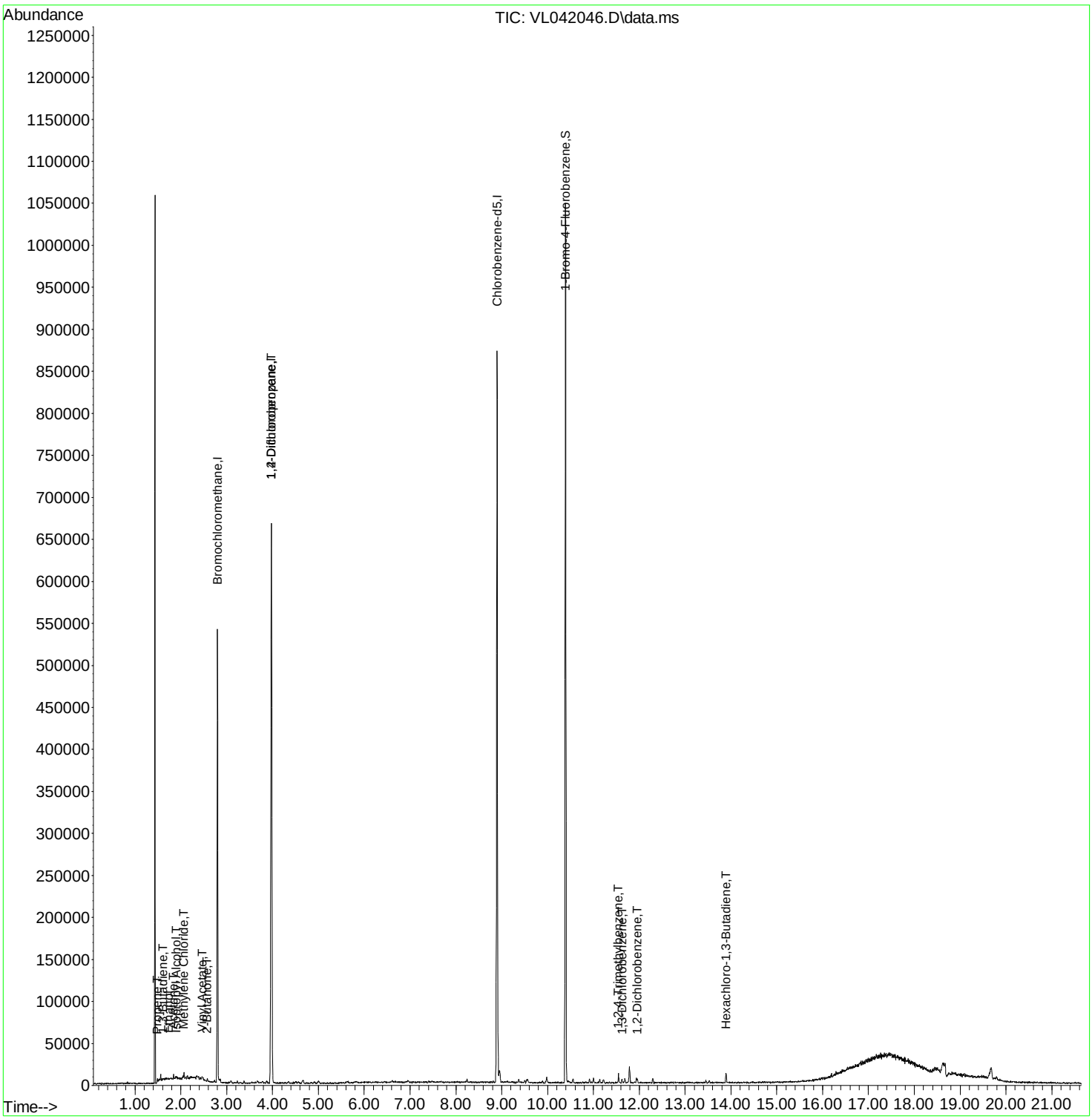
(#) = qualifier out of range (m) = manual integration (+) = signals summed

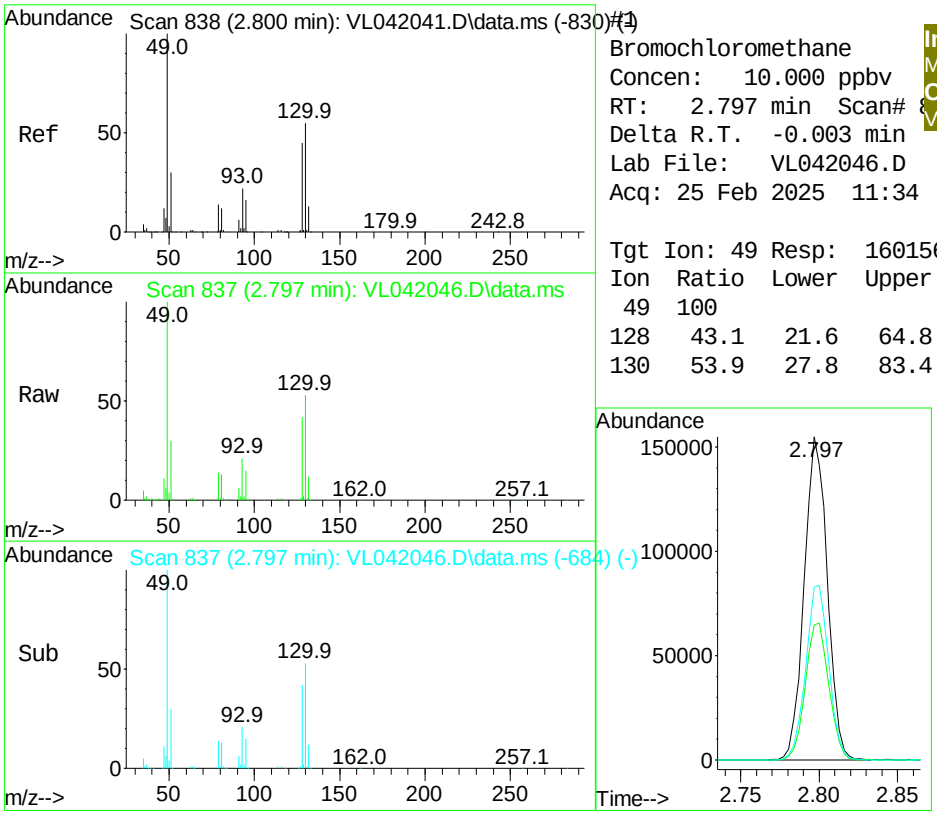
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042046.D
Acq On : 25 Feb 2025 11:34
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration



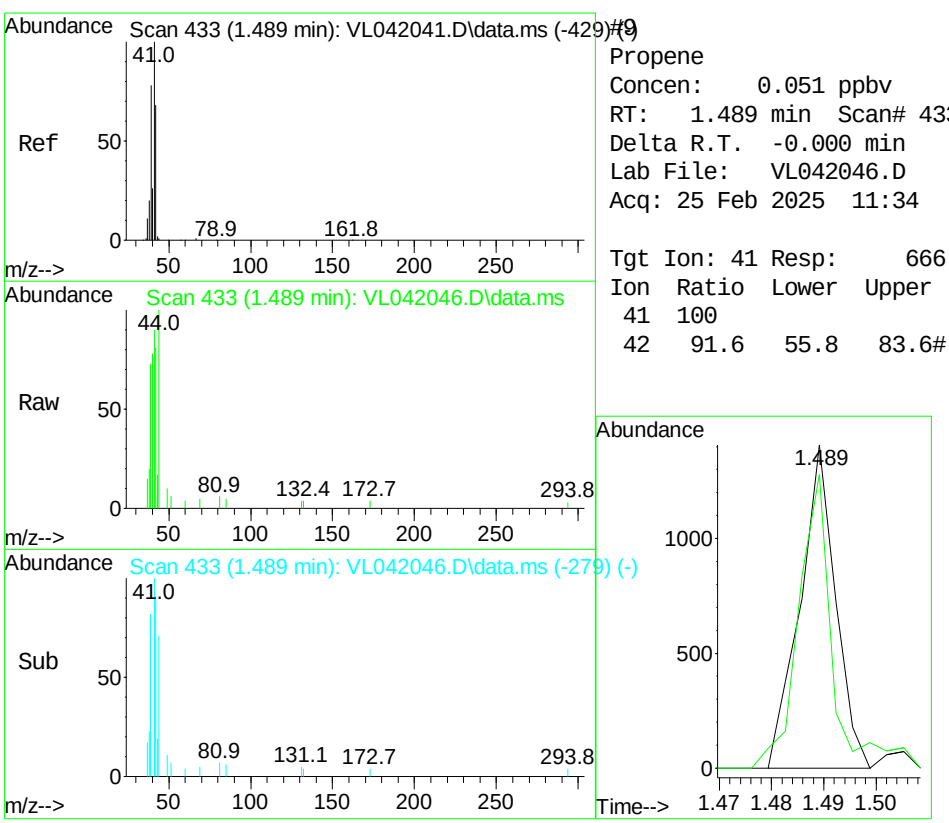


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 160156

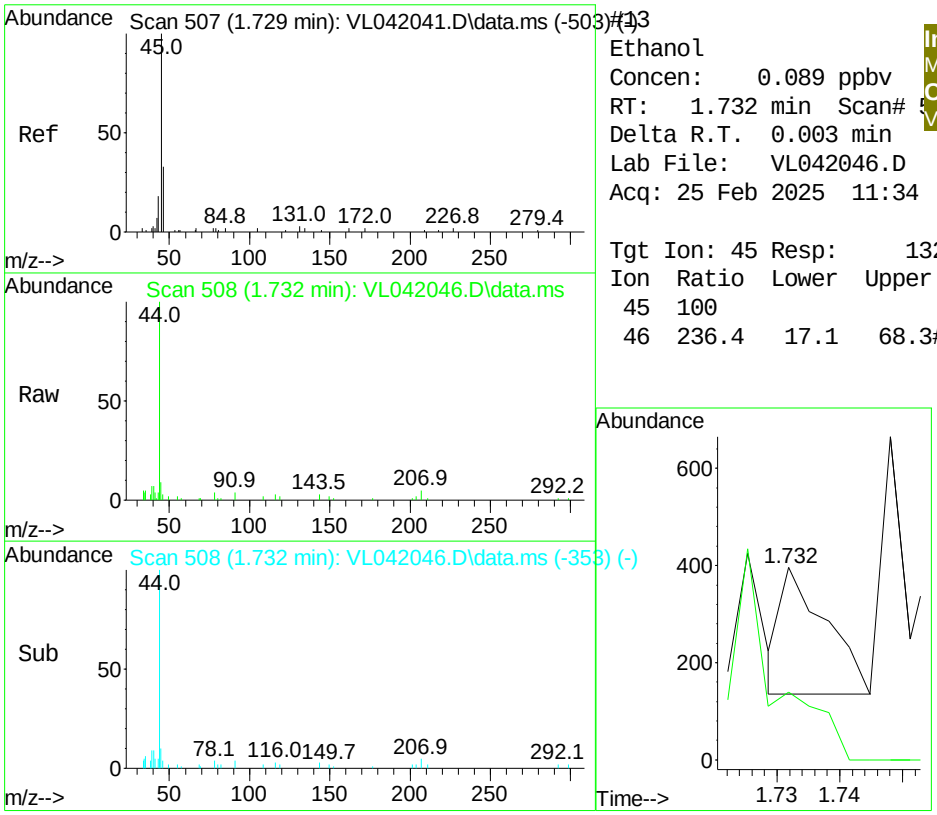
Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.6	64.8
130	53.9	27.8	83.4



#9
Propene
Concen: 0.051 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 41 Resp: 666

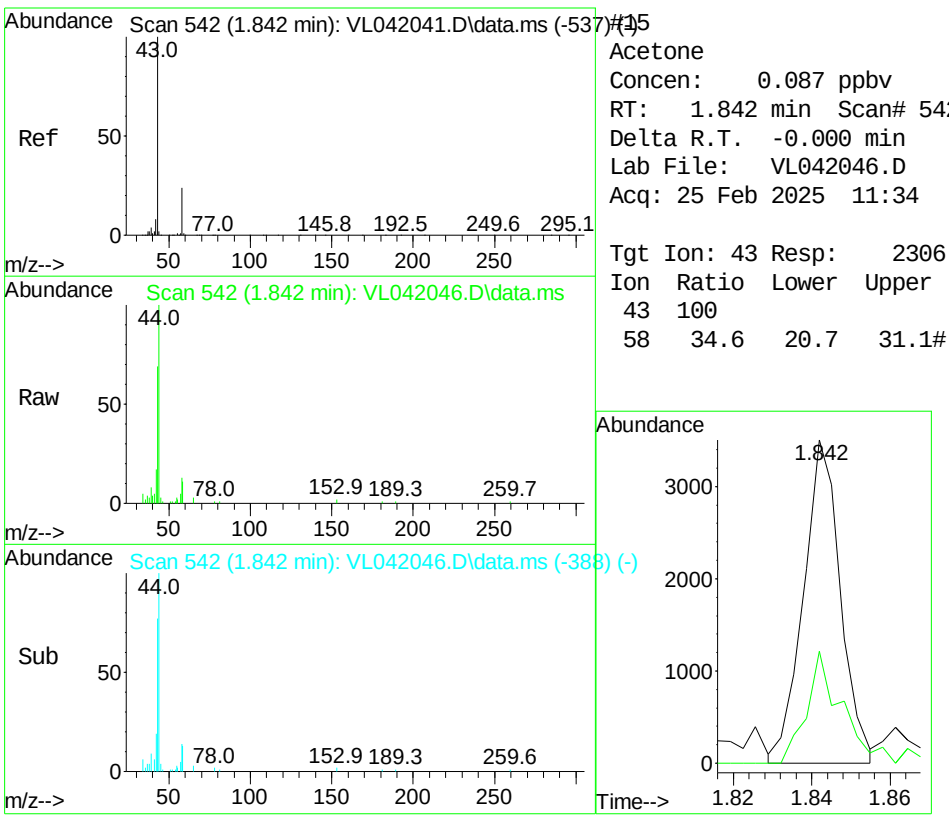
Ion	Ratio	Lower	Upper
41	100		
42	91.6	55.8	83.6#



#13
Ethanol
Concen: 0.089 ppbv
RT: 1.732 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 45 Resp: 132

Ion	Ratio	Lower	Upper
45	100		
46	236.4	17.1	68.3#

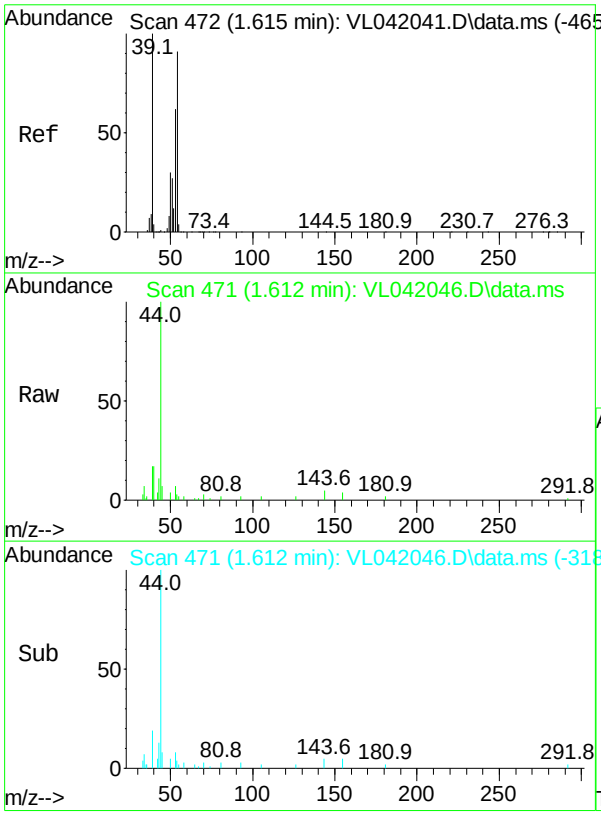


#15
Acetone
Concen: 0.087 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 43 Resp: 2306

Ion	Ratio	Lower	Upper
43	100		
58	34.6	20.7	31.1#

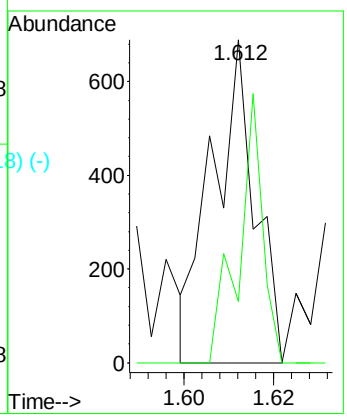
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

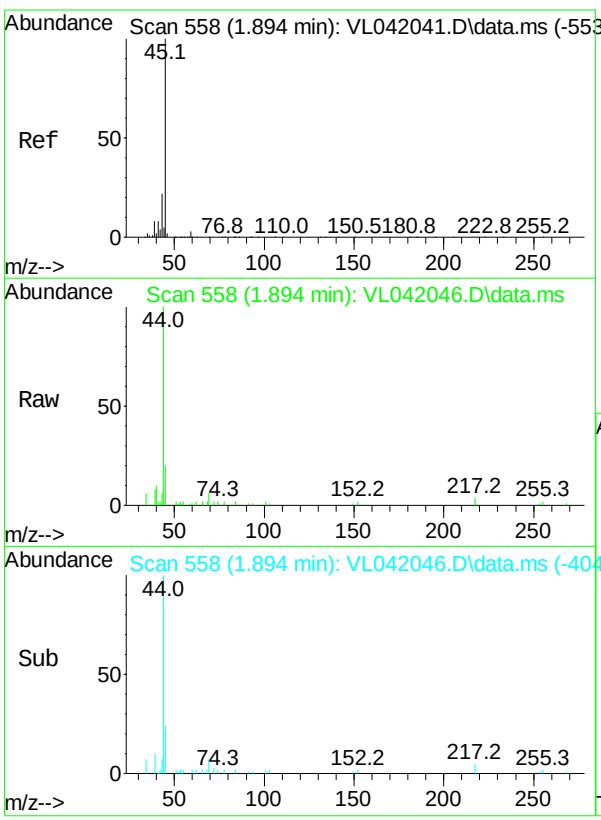


#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 1.612 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 39 Resp: 451

Ion	Ratio	Lower	Upper
39	100		
54	55.0	59.6	89.4#

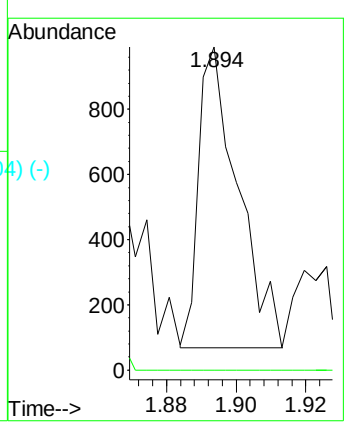




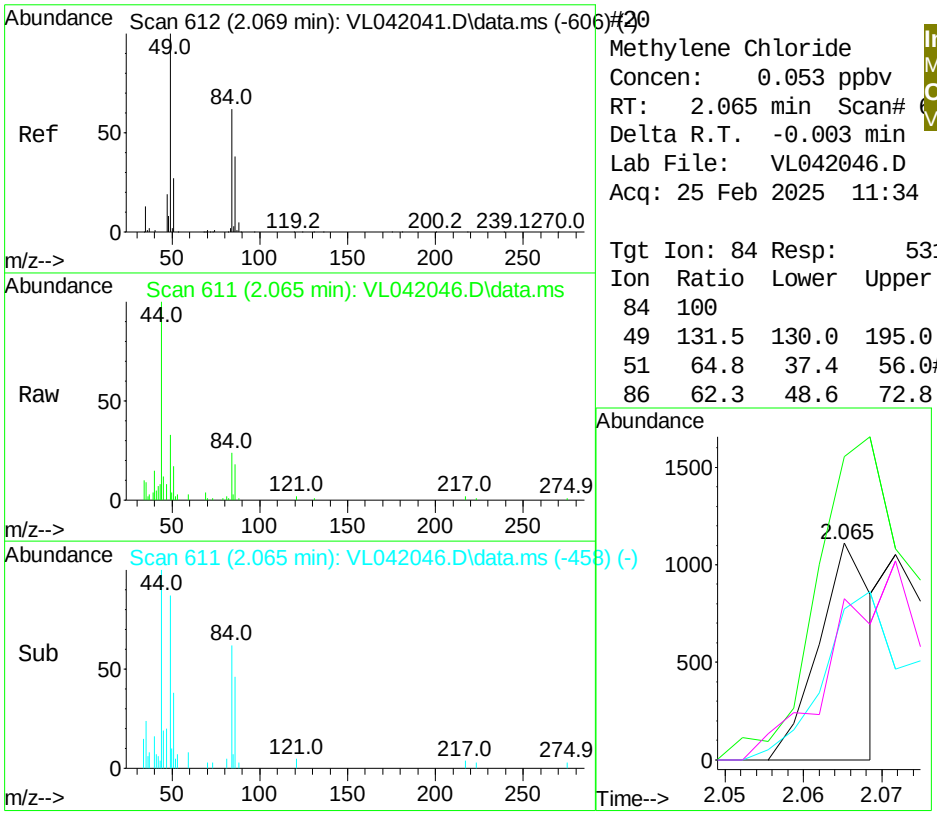
#19
Isopropyl Alcohol
Concen: 0.049 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 45 Resp: 725

Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#



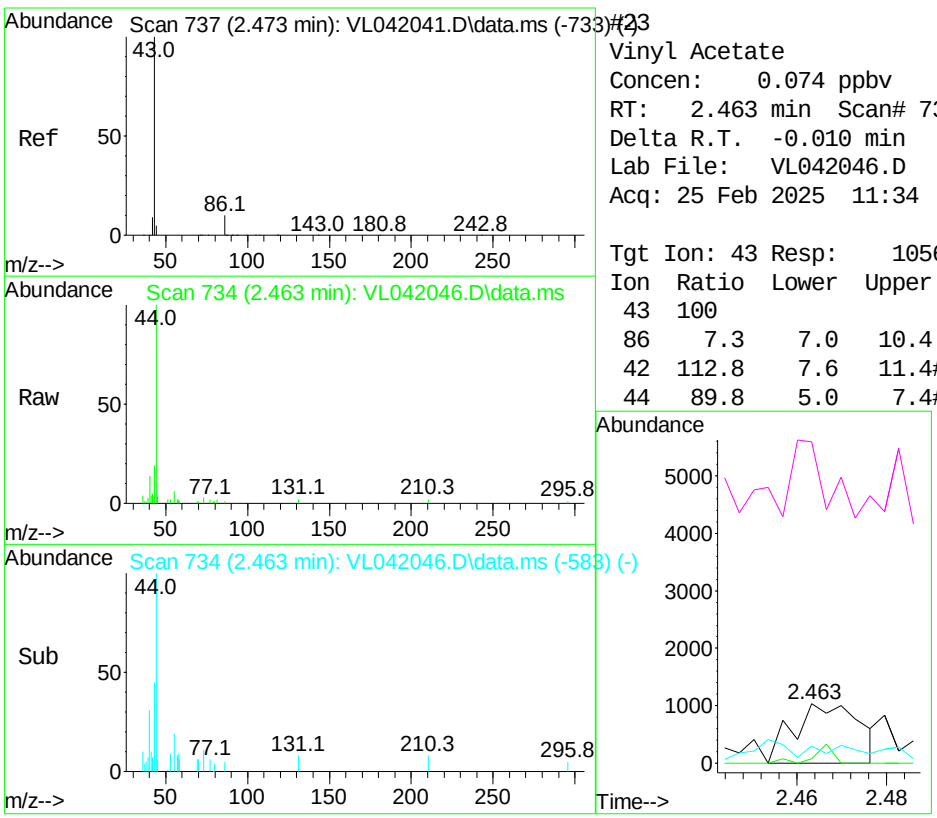
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



#20
Methylene Chloride
Concen: 0.053 ppbv
RT: 2.065 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 84 Resp: 531

Ion	Ratio	Lower	Upper
84	100		
49	131.5	130.0	195.0
51	64.8	37.4	56.0#
86	62.3	48.6	72.8

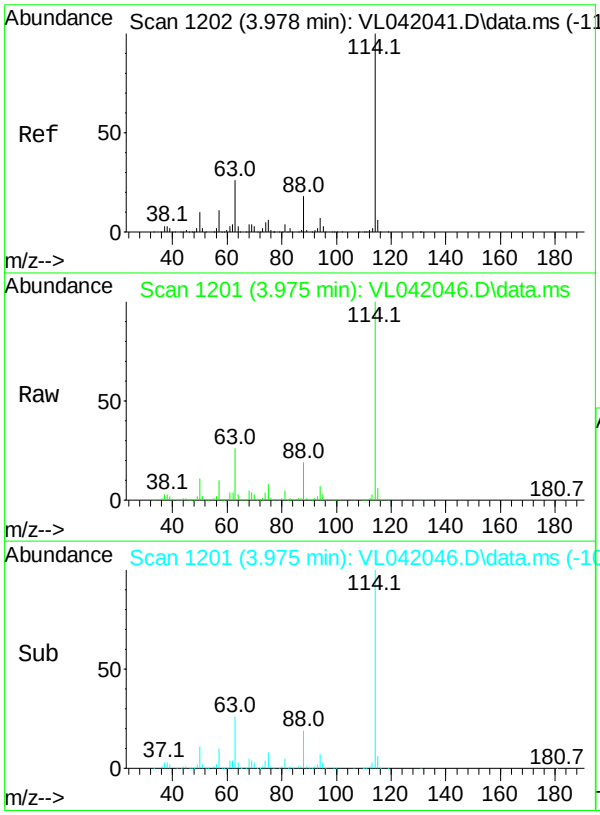


#23
Vinyl Acetate
Concen: 0.074 ppbv
RT: 2.463 min Scan# 734
Delta R.T. -0.010 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 43 Resp: 1056

Ion	Ratio	Lower	Upper
43	100		
86	7.3	7.0	10.4
42	112.8	7.6	11.4#
44	89.8	5.0	7.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

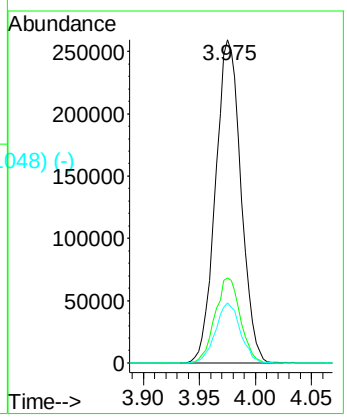


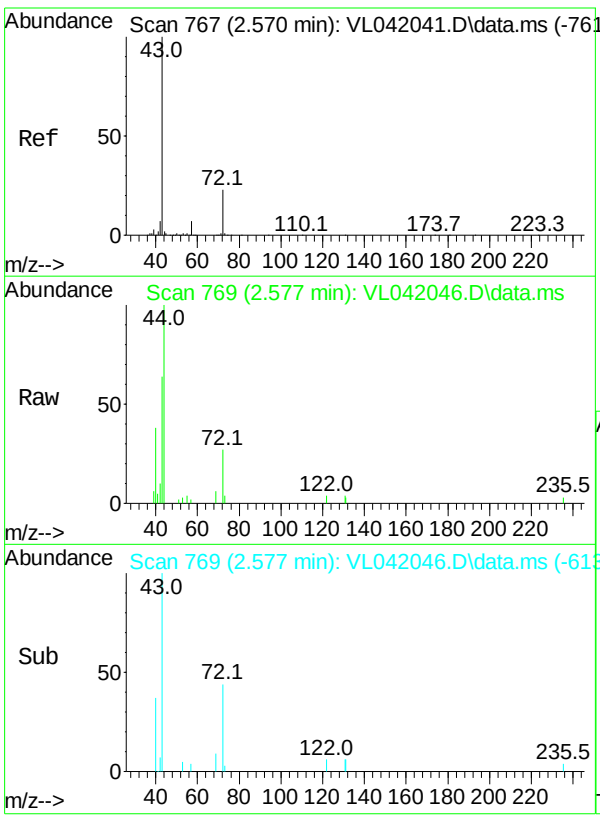
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 410900

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.1	30.1
88	18.1	14.3	21.5

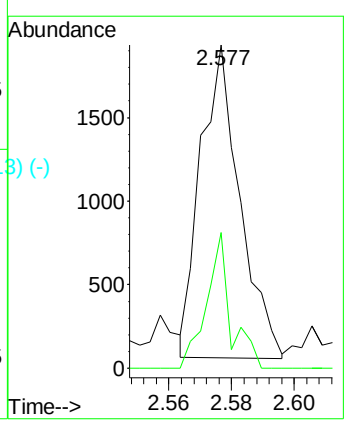


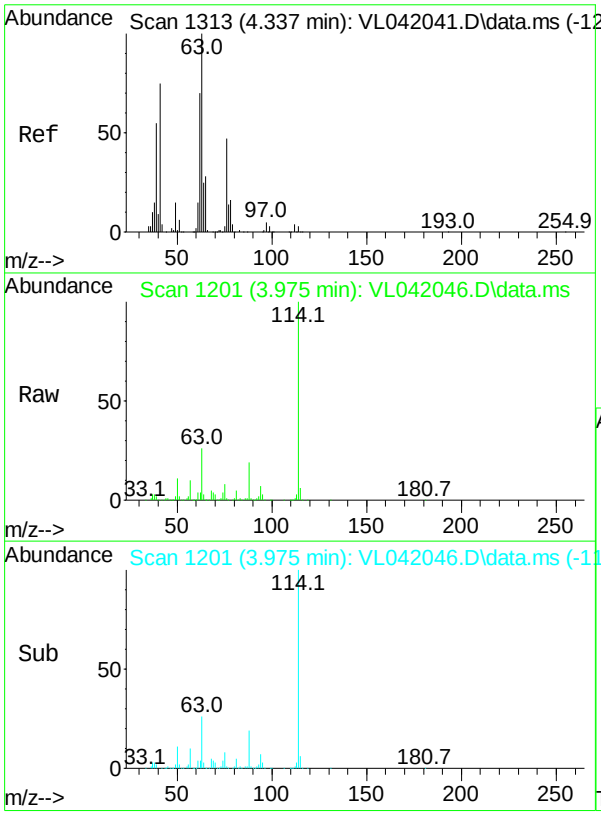


#34
2-Butanone
Concen: 0.046 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.006 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 43 Resp: 1626

Ion	Ratio	Lower	Upper
43	100		
72	26.4	18.5	27.7



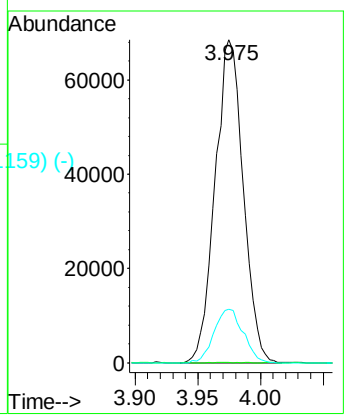


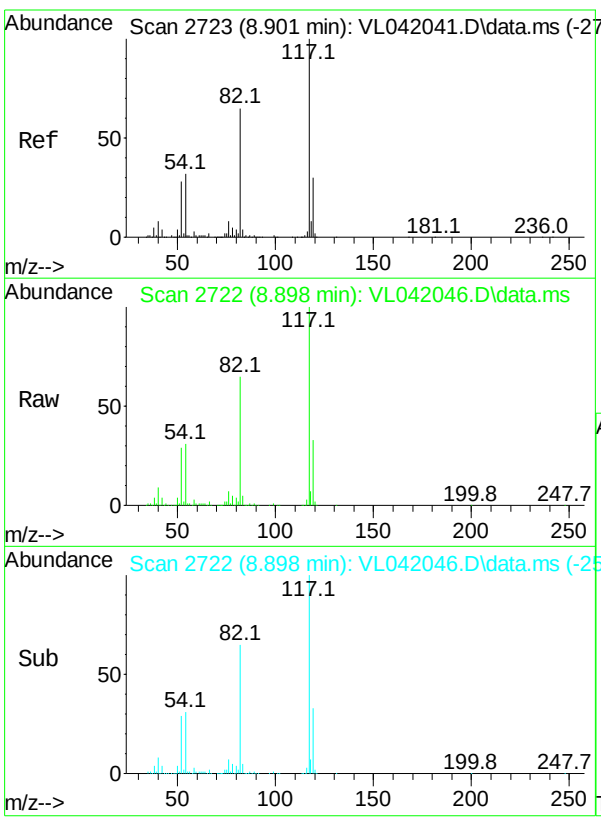
#89
1,2-Dichloropropane
Concen: 5.868 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.363 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 107084

Ion	Ratio	Lower	Upper
63	100		
41	0.2	60.1	90.1#
62	16.7	55.8	83.8#

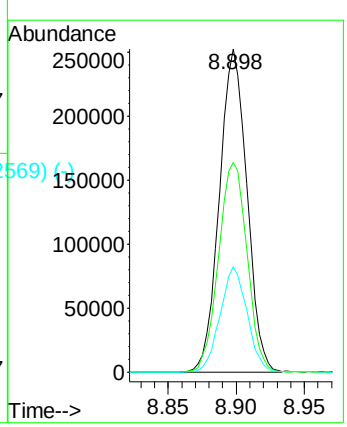


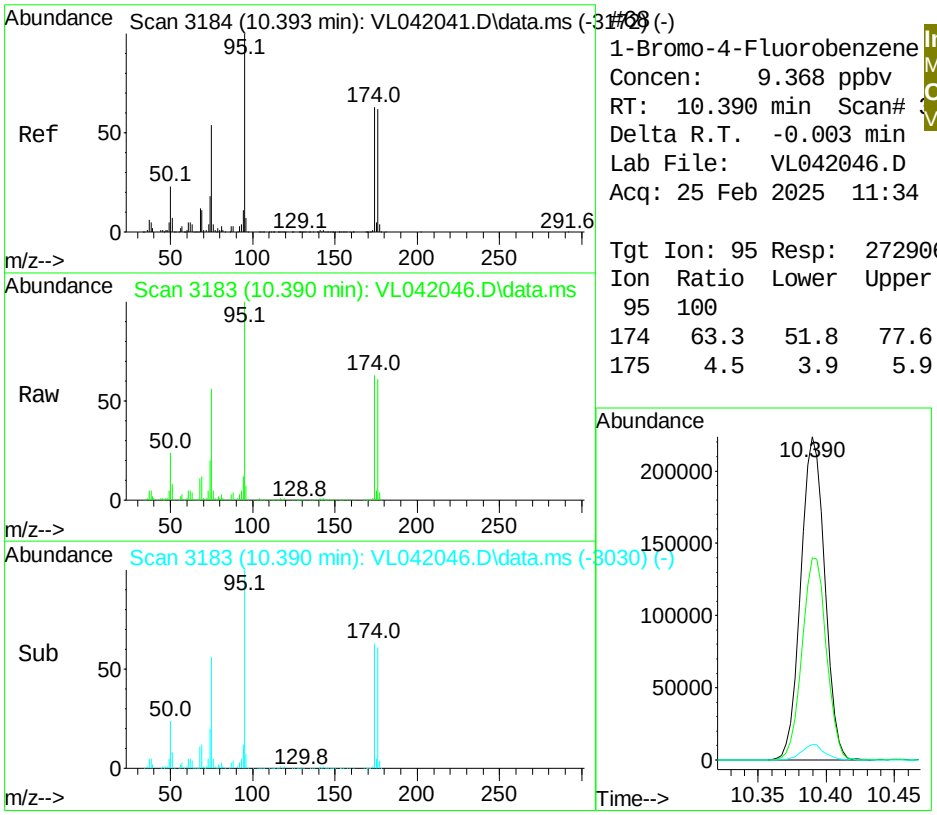


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:117 Resp: 353154

Ion	Ratio	Lower	Upper
117	100		
82	67.3	55.0	82.6
119	32.2	25.9	38.9



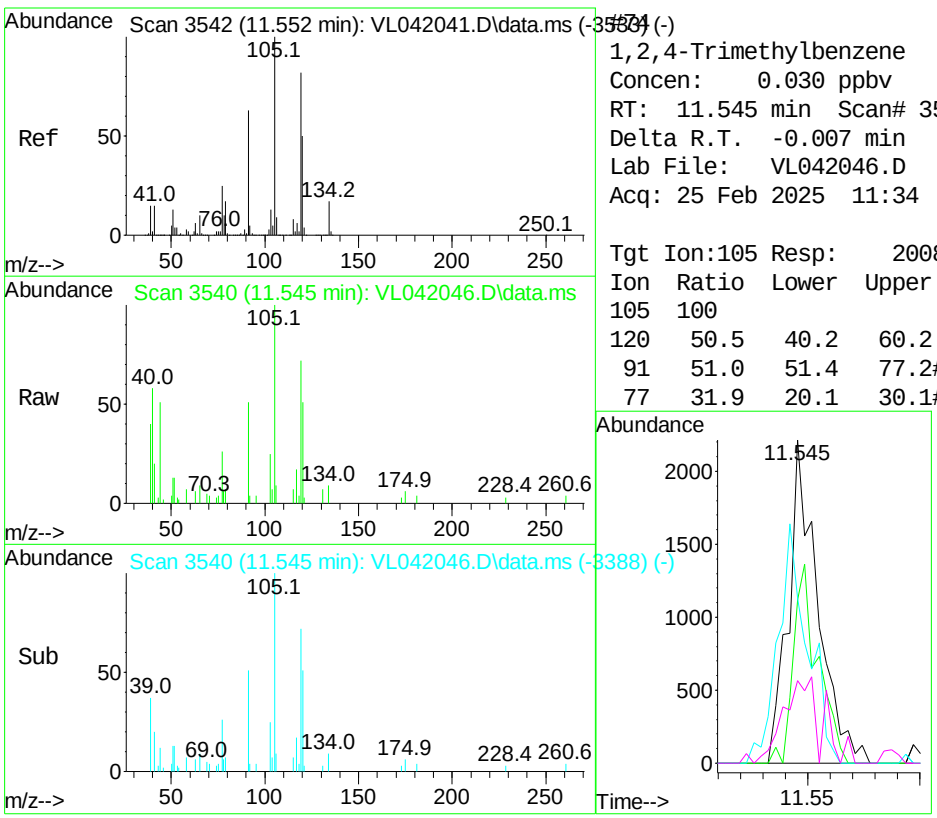


#68
1-Bromo-4-Fluorobenzene
Concen: 9.368 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 95 Resp: 272906

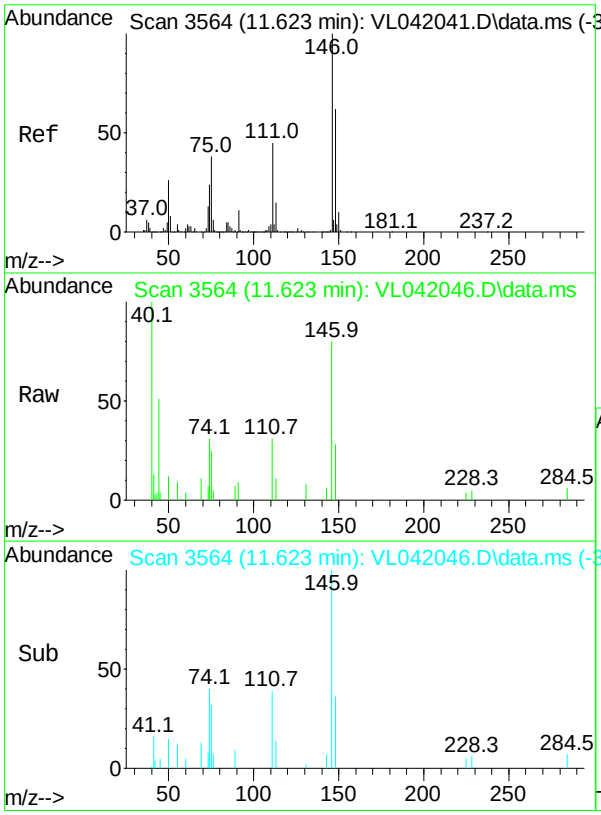
Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.8	77.6
175	4.5	3.9	5.9



#74
1,2,4-Trimethylbenzene
Concen: 0.030 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.007 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:105 Resp: 2008

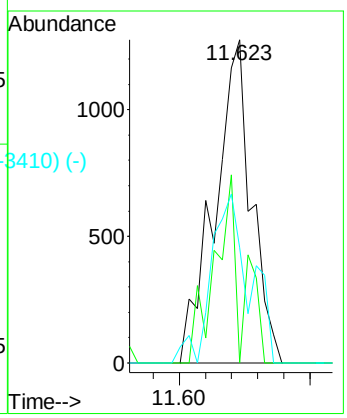
Ion	Ratio	Lower	Upper
105	100		
120	50.5	40.2	60.2
91	51.0	51.4	77.2#
77	31.9	20.1	30.1#



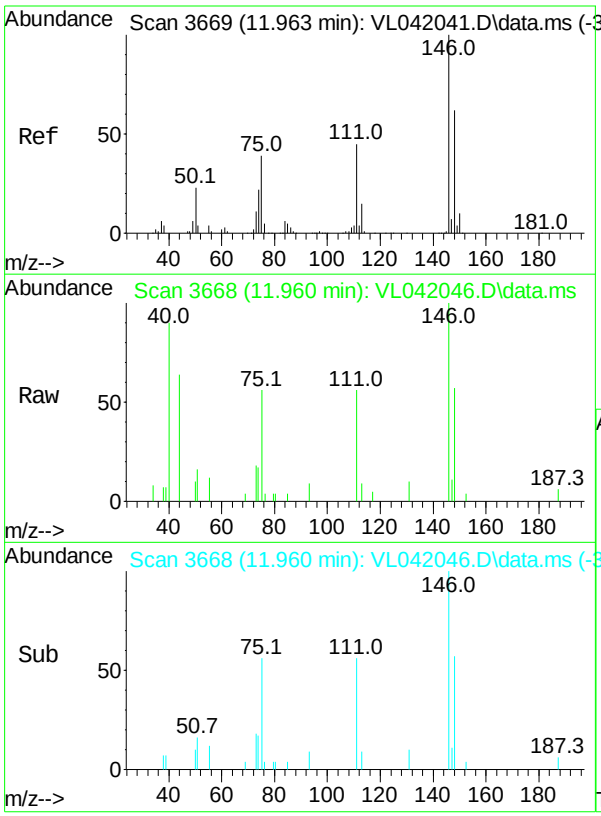
#75
1,3-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:146 Resp: 1244

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.4	67.2
148	54.5	32.3	96.8



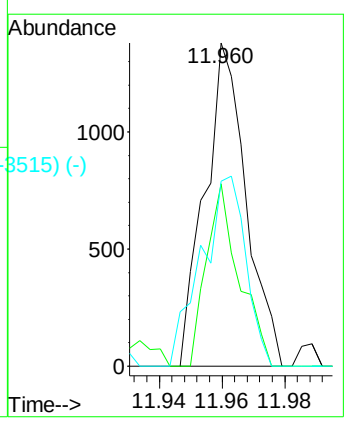
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

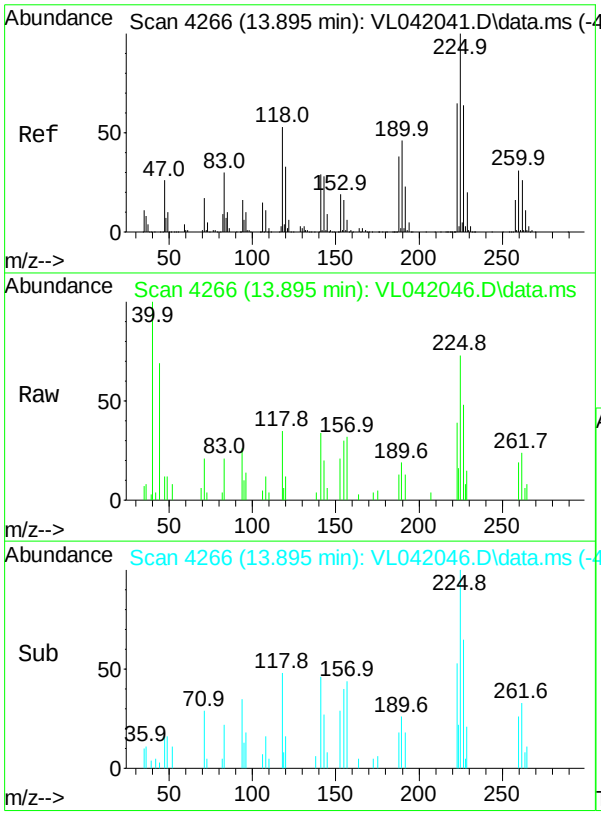


#77
1,2-Dichlorobenzene
Concen: 0.037 ppbv
RT: 11.960 min Scan# 3668
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:146 Resp: 1261

Ion	Ratio	Lower	Upper
146	100		
111	49.9	23.2	69.6
148	63.1	31.4	94.2

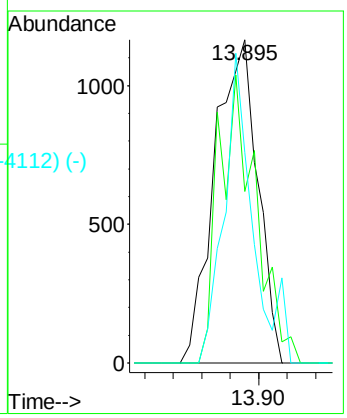




#78
Hexachloro-1,3-Butadiene
Concen: 0.043 ppbv
RT: 13.895 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:225 Resp: 1218

Ion	Ratio	Lower	Upper
225	100		
223	76.8	50.2	75.2#
227	63.8	50.8	76.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	159015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	401919	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	351637	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	273846	9.441	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery =	94.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	231978	8.474	ppbv	99
3) Chlorodifluoromethane	1.479	51	324821	10.733	ppbv	100
4) Chloromethane	1.537	50	82097	7.718	ppbv	98
5) Vinyl Chloride	1.586	62	81863	6.436	ppbv	99
6) Bromomethane	1.673	94	39366	7.983	ppbv	97
7) Chloroethane	1.709	64	33329	8.039	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	188716	7.837	ppbv	98
9) Propene	1.489	41	133086	10.201	ppbv	97
10) Heptane	5.004	43	400418	11.052	ppbv	99
11) Trichlorofluoromethane	1.884	101	230938	8.383	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	184306	8.579	ppbv	99
13) Ethanol	1.725	45	4281	2.909	ppbv	100
14) Bromoethene	1.787	108	65496	8.164	ppbv	99
15) Acetone	1.842	43	172538	6.574	ppbv	98
16) 1,3-Butadiene	1.615	39	87490	7.027	ppbv	100
17) tert-Butyl alcohol	2.049	59	239569	7.377	ppbv	98
18) 1,1-Dichloroethene	2.042	96	80535	7.845	ppbv	98
19) Isopropyl Alcohol	1.894	45	102365	6.955	ppbv	99
20) Methylene Chloride	2.068	84	66282	6.709	ppbv	98
21) Allyl Chloride	2.104	41	140726	7.406	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	94321	8.466	ppbv	95
23) Vinyl Acetate	2.473	43	139727	9.831	ppbv	99
24) 1,1-Dichloroethane	2.418	63	180882	7.997	ppbv	99
25) Ethyl Acetate	2.848	43	767353	10.652	ppbv	99
26) Hexane	2.839	57	306864	10.615	ppbv	99
27) Carbon Disulfide	2.159	76	224609	8.261	ppbv	98
28) Methyl tert-Butyl Ether	2.453	73	168058	9.510	ppbv	98
29) Chloroform	2.861	83	409240	9.774	ppbv	100
30) Cyclohexane	3.874	84	256687	10.946	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	299324	10.476	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	417615	8.994	ppbv	98
34) 2-Butanone	2.570	43	457602	13.234	ppbv	98
35) Carbon Tetrachloride	3.780	117	410730	10.524	ppbv	96
36) Benzene	3.674	78	602107	12.367	ppbv	97
37) 1,2-Dichloroethane	3.233	62	335275	12.097	ppbv	99
38) Trichloroethene	4.573	130	228298	11.542	ppbv	98
39) 1,2-Dichloropropane	4.337	63	228418	12.797	ppbv	98
40) 1,4-Dioxane	4.609	88	104519	11.253	ppbv #	96
41) Tetrahydrofuran	3.068	42	271202	13.724	ppbv	100
42) Bromodichloromethane	4.512	83	461272	12.285	ppbv	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.907	69	246468	11.105	ppbv		97
44) 2,2,4-Trimethylpentane	4.667	57	1054880	12.763	ppbv		99
45) t-1,3-Dichloropropene	6.444	75	249612	11.914	ppbv		95
46) cis-1,3-Dichloropropene	5.635	75	317266	11.935	ppbv		98
47) 1,1,2-Trichloroethane	6.609	97	226021	12.032	ppbv		95
48) Dibromochloromethane	7.412	129	369666	11.750	ppbv		99
49) Bromoform	9.503	173	317322	12.297	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	650307	12.237	ppbv		99
51) 2-Hexanone	7.461	43	530165	12.198	ppbv	#	100
52) Tetrachloroethene	8.247	164	203233	11.968	ppbv		94
53) Toluene	6.959	91	673822	11.615	ppbv		99
54) 1,2-Dibromoethane	7.677	107	309982	11.985	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.946	131	276326	10.979	ppbv		99
57) Chlorobenzene	8.943	112	494606	11.957	ppbv		98
58) Ethyl Benzene	9.373	91	922265	11.984	ppbv		100
59) m/p-Xylene	9.551	91	770010	12.703	ppbv	#	100
60) o-Xylene	9.982	91	712735	11.626	ppbv		99
61) Styrene	9.888	104	363855	12.446	ppbv		99
62) Isopropylbenzene	10.558	105	1068777	11.612	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.982	83	459839	11.626	ppbv		100
64) n-propylbenzene	11.005	120	282364	12.486	ppbv		99
65) tert-Butylbenzene	11.548	119	924810	11.526	ppbv		99
66) Benzyl Chloride	11.633	91	78975	9.819	ppbv		98
67) sec-Butylbenzene	11.785	105	1315730	11.674	ppbv		99
69) p-Isopropyltoluene	11.940	119	1084253	11.752	ppbv		99
70) n-Butylbenzene	12.296	91	1118373	12.306	ppbv		99
71) 2-Chlorotoluene	10.917	91	818204	11.804	ppbv		100
72) 4-Ethyltoluene	11.141	105	880883	12.264	ppbv		99
73) 1,3,5-Trimethylbenzene	11.218	105	738619	11.921	ppbv		98
74) 1,2,4-Trimethylbenzene	11.552	105	784701	11.801	ppbv		91
75) 1,3-Dichlorobenzene	11.623	146	465436	13.003	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	467249	13.386	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	449222	13.129	ppbv		98
78) Hexachloro-1,3-Butadiene	13.895	225	351085	12.403	ppbv		100
79) Naphthalene	13.526	128	764990	11.696	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	324431	10.956	ppbv		99
81) 1,2,4-Trichlorobenzene	13.455	180	354990	13.351	ppbv		99

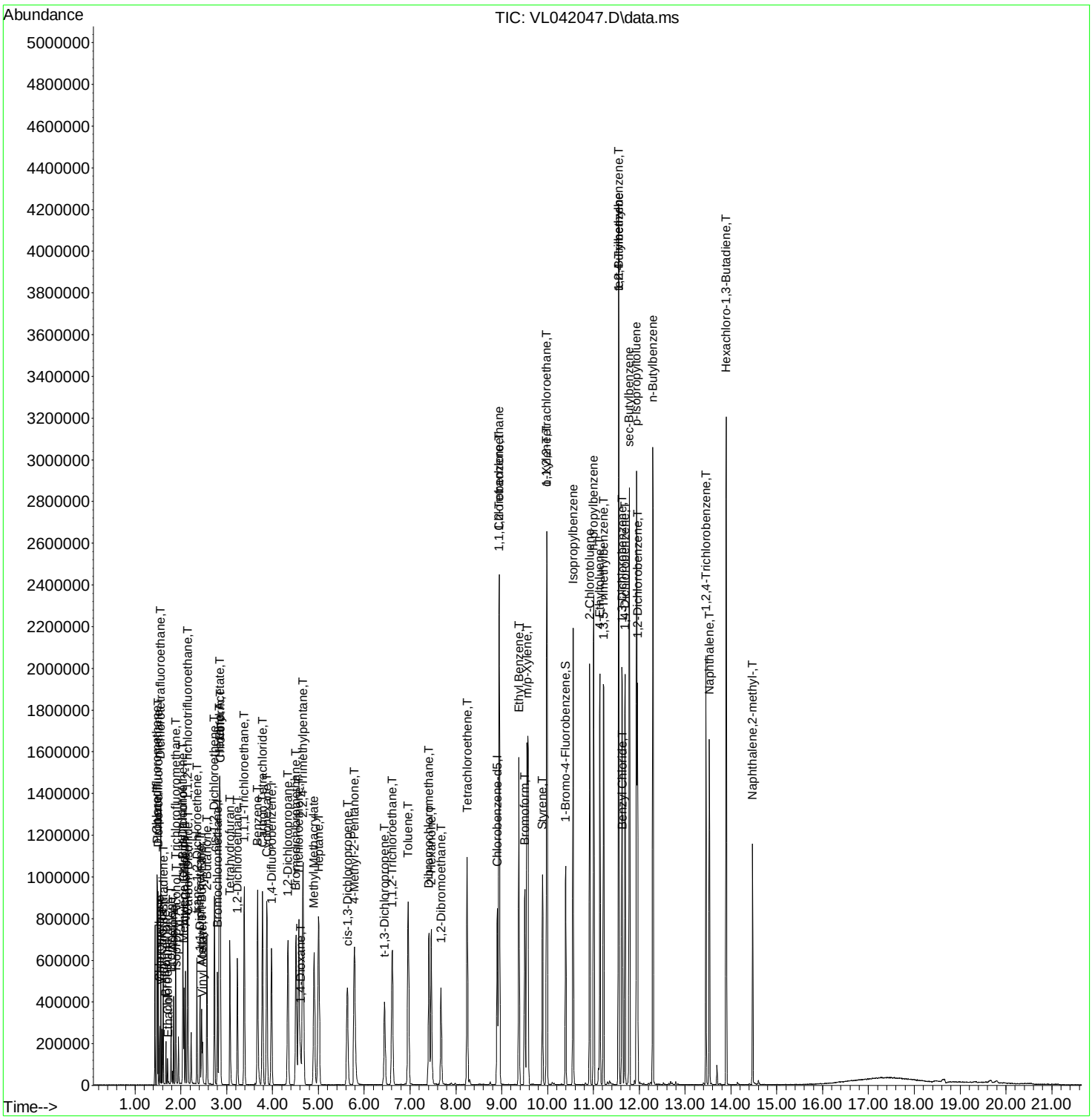
(#) = qualifier out of range (m) = manual integration (+) = signals summed

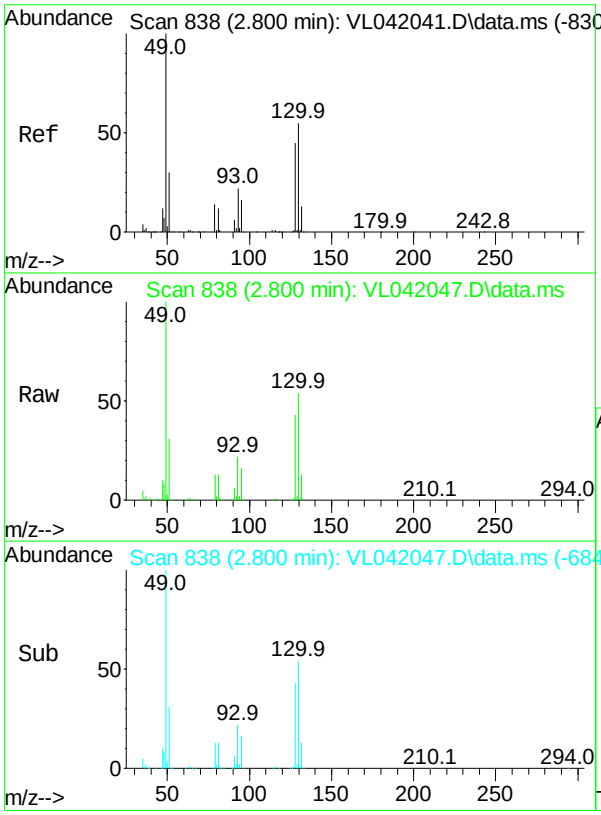
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration



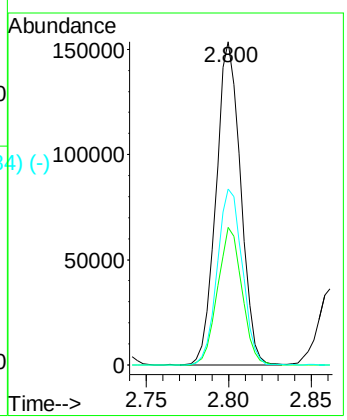


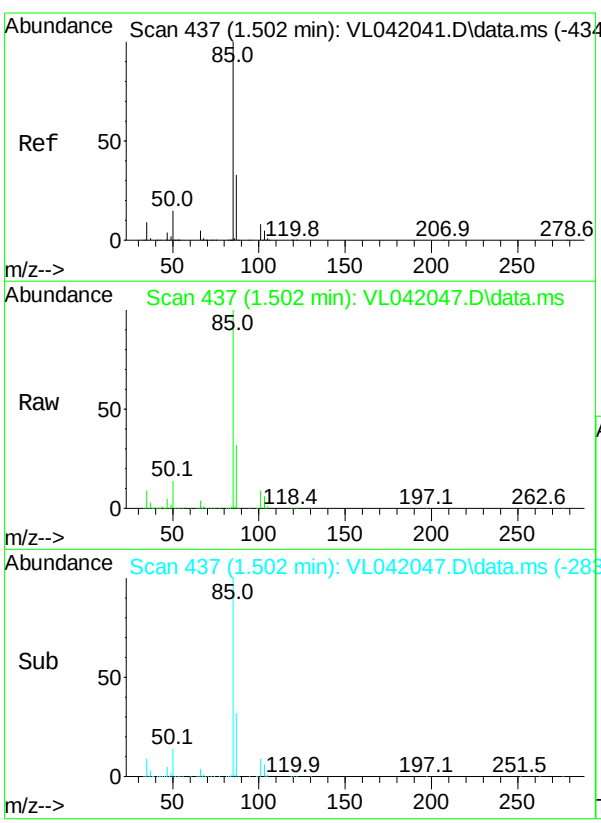
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 159015

Ion	Ratio	Lower	Upper
49	100		
128	42.1	21.6	64.8
130	55.6	27.8	83.4

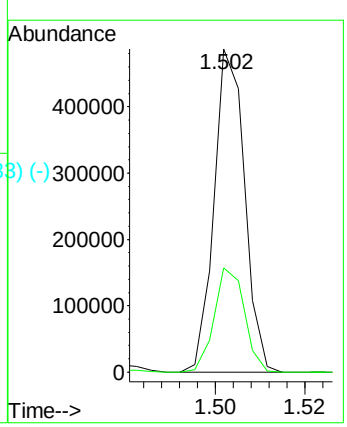


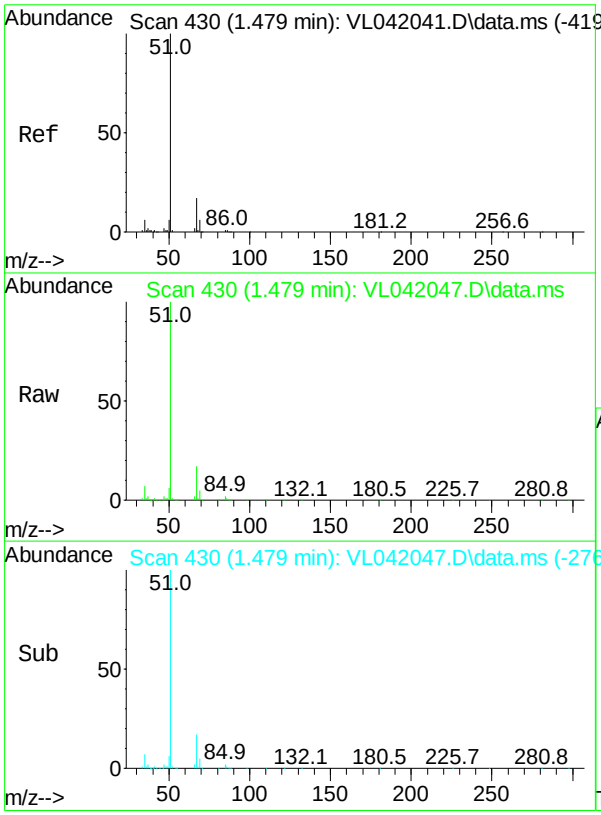


#2
Dichlorodifluoromethane
Concen: 8.474 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 85 Resp: 231978

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.4	39.6

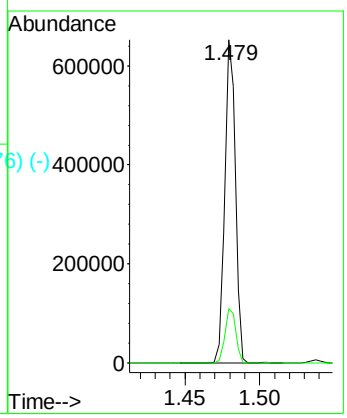




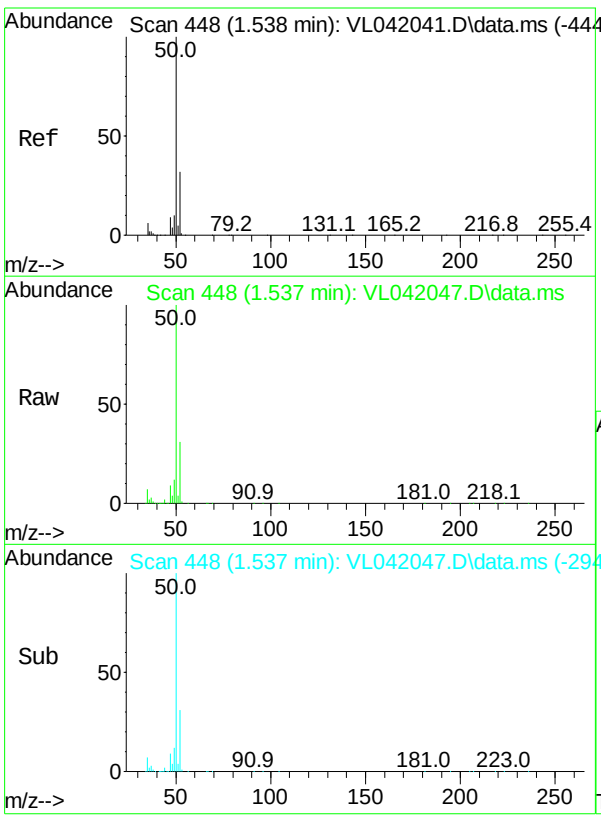
#3
Chlorodifluoromethane
Concen: 10.733 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 51 Resp: 324821

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.7	20.5



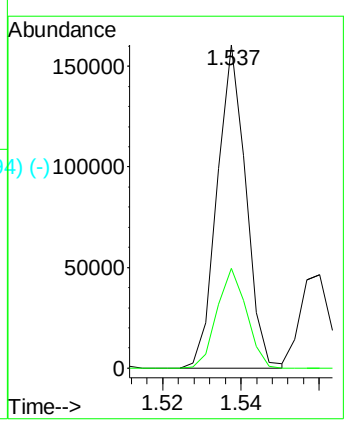
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

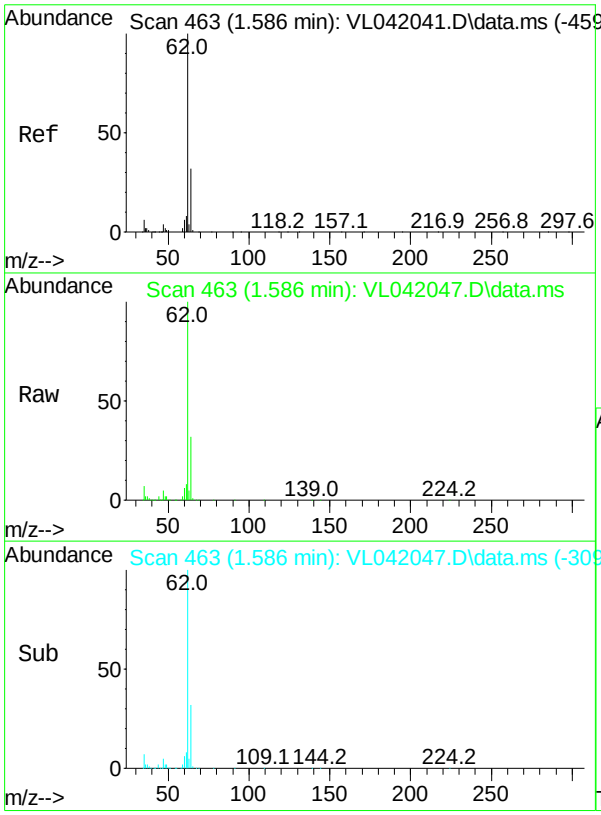


#4
Chloromethane
Concen: 7.718 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 50 Resp: 82097

Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.4	38.0



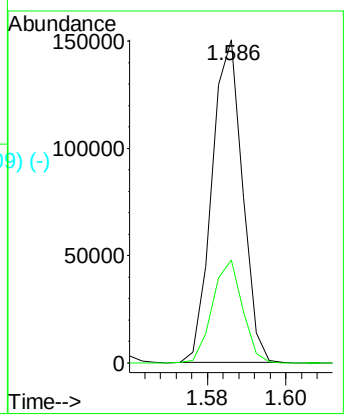


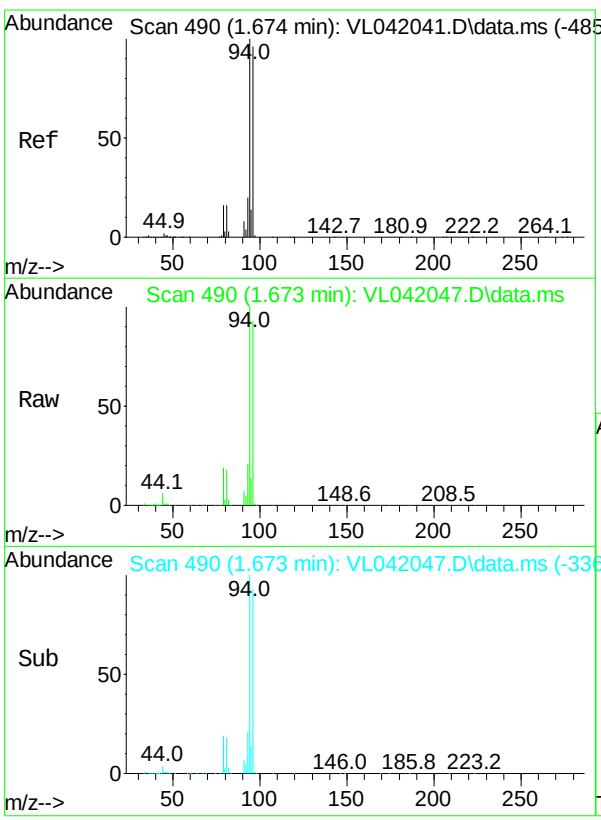
#5
Vinyl Chloride
Concen: 6.436 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 81863

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.3	37.9

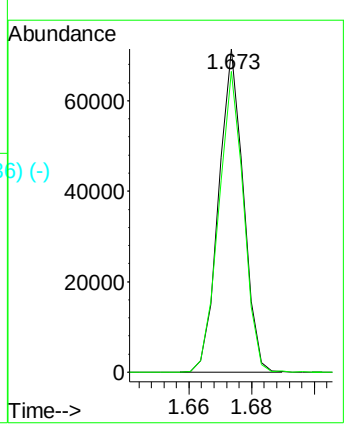


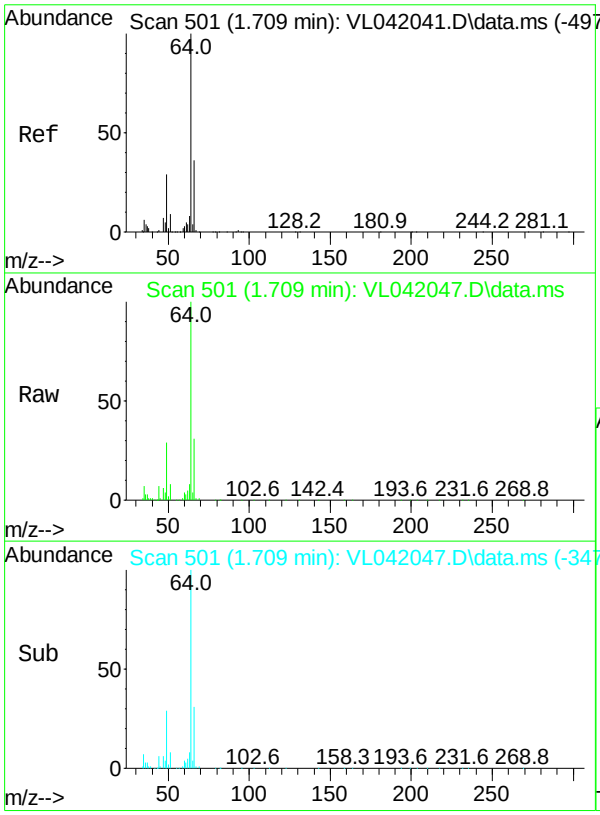


#6
Bromomethane
Concen: 7.983 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 94 Resp: 39366

Ion	Ratio	Lower	Upper
94	100		
96	93.0	76.5	114.7

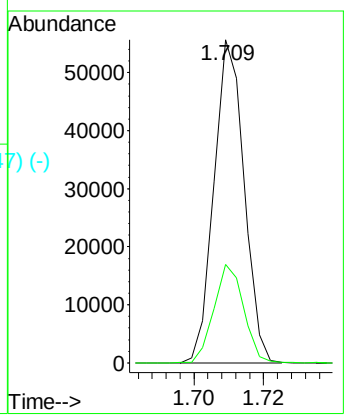


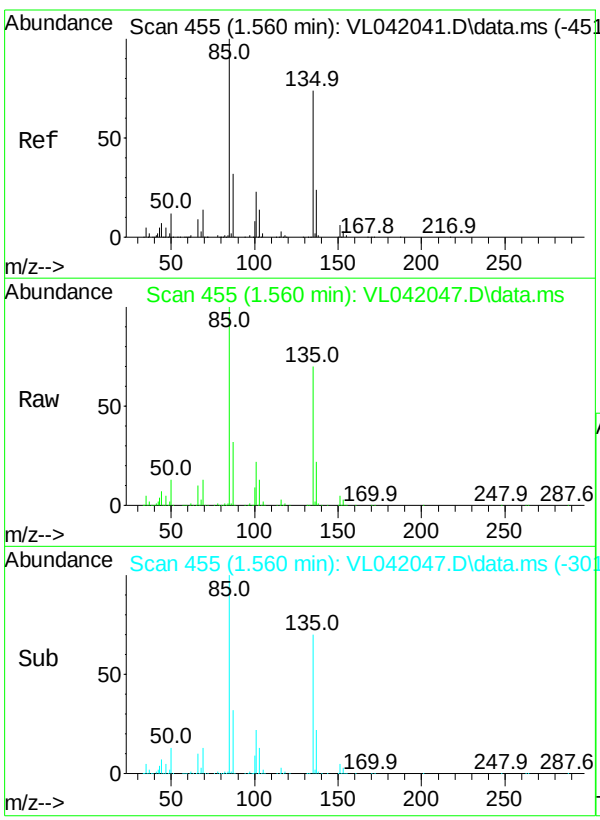


#7
Chloroethane
Concen: 8.039 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 64 Resp: 33329

Ion	Ratio	Lower	Upper
64	100		
66	30.6	28.4	42.6

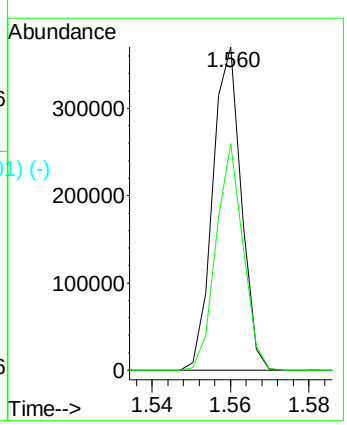




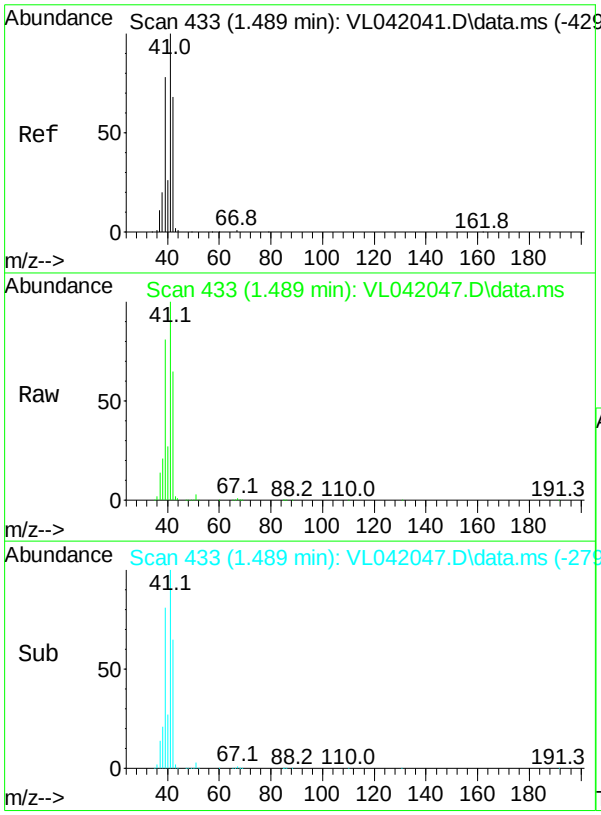
#8
Dichlorotetrafluoroethane
Concen: 7.837 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 85 Resp: 188716

Ion	Ratio	Lower	Upper
85	100		
135	66.5	54.6	81.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

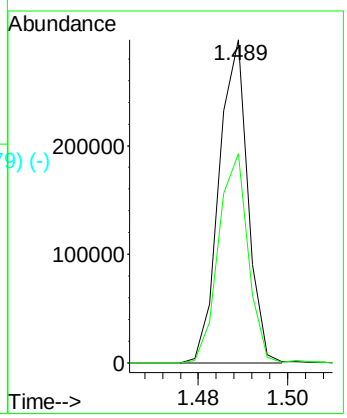


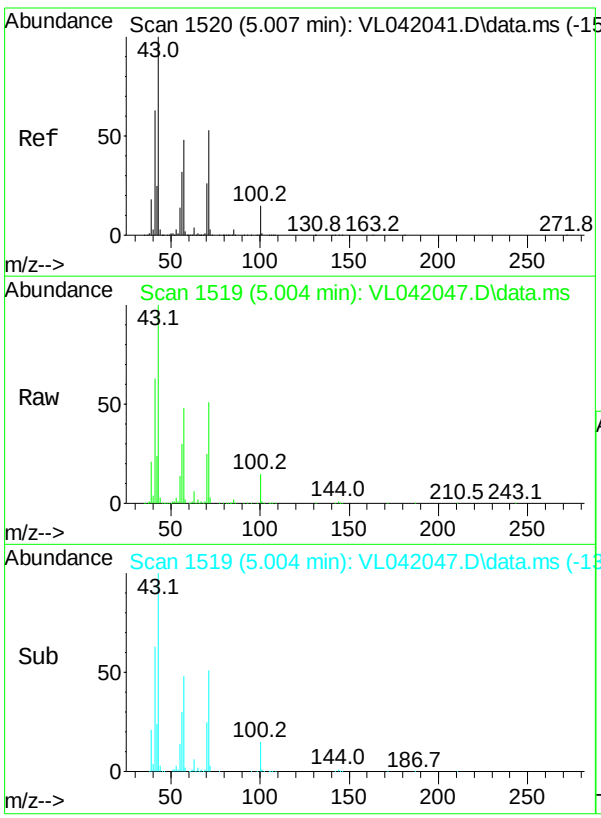
#9
Propene
Concen: 10.201 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 133086

Ion	Ratio	Lower	Upper
41	100		
42	67.4	55.8	83.6

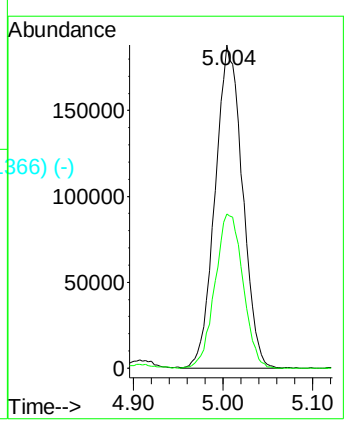


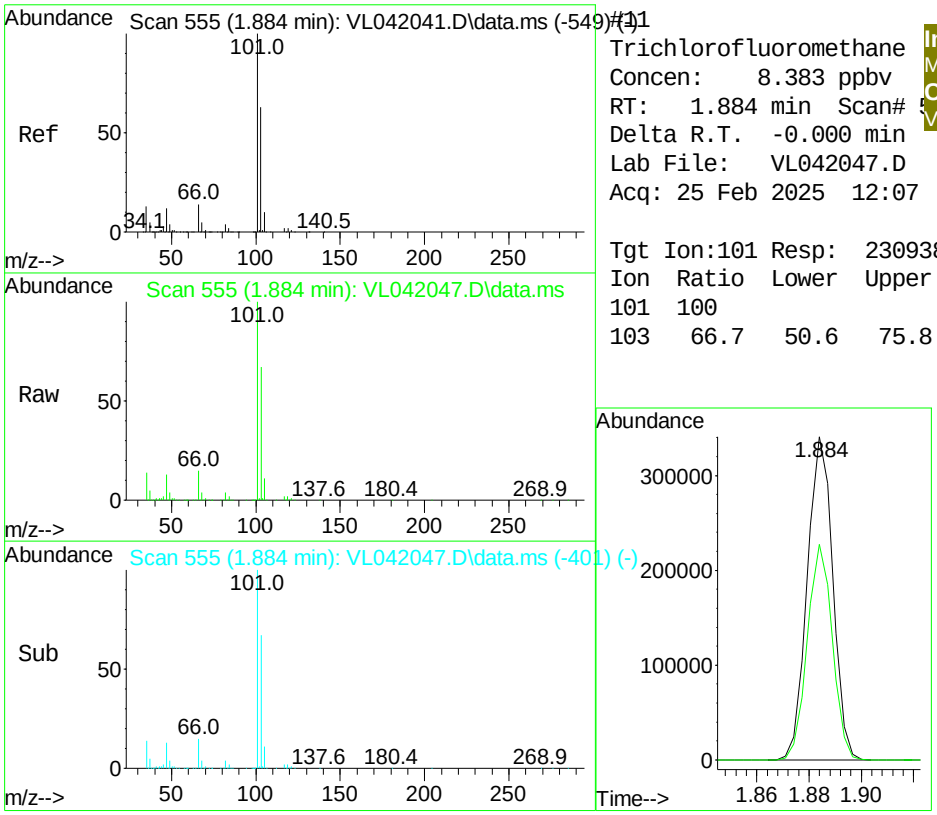


#10
Heptane
Concen: 11.052 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 400418

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.4	59.0



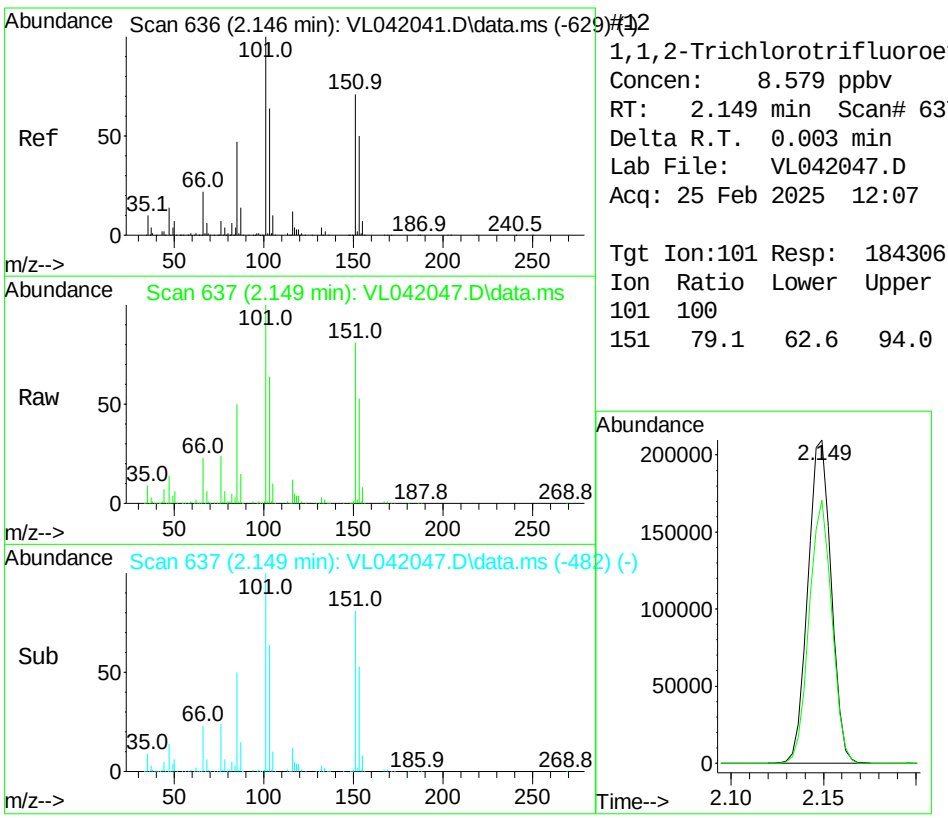


#11
Trichlorofluoromethane
Concen: 8.383 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 230938

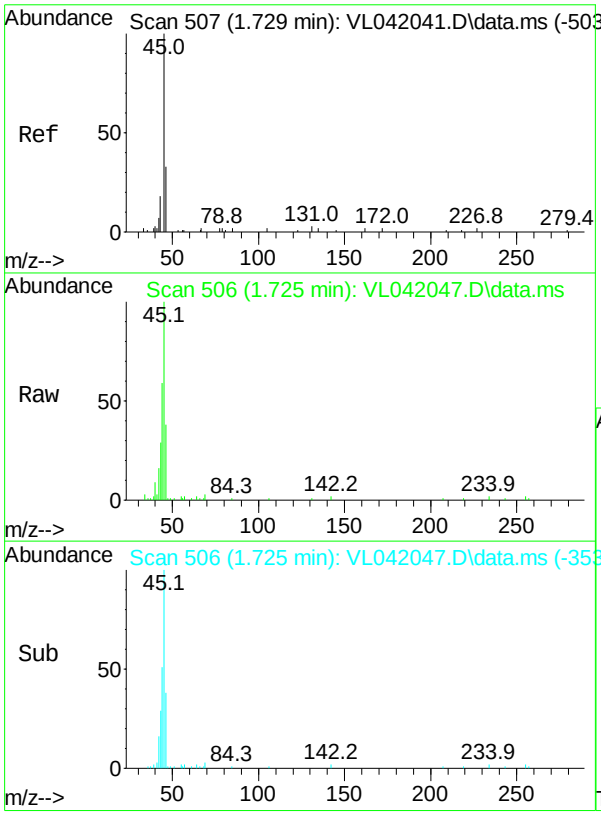
Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.6	75.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.579 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:101 Resp: 184306

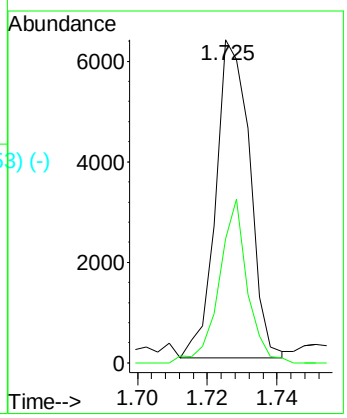
Ion	Ratio	Lower	Upper
101	100		
151	79.1	62.6	94.0

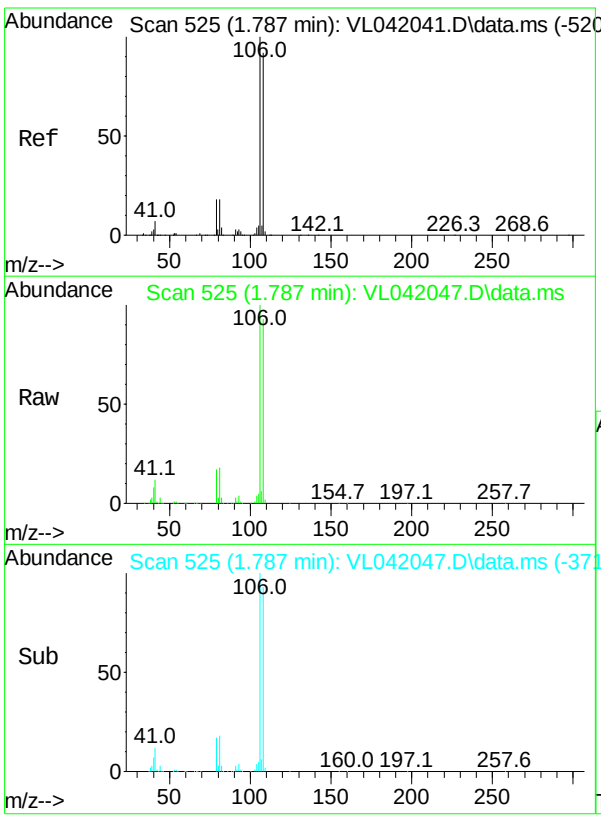


#13
Ethanol
Concen: 2.909 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 45 Resp: 4281

Ion	Ratio	Lower	Upper
45	100		
46	42.7	17.1	68.3

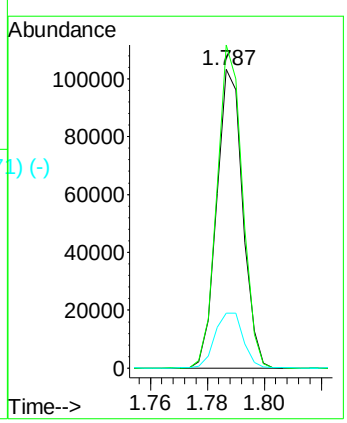




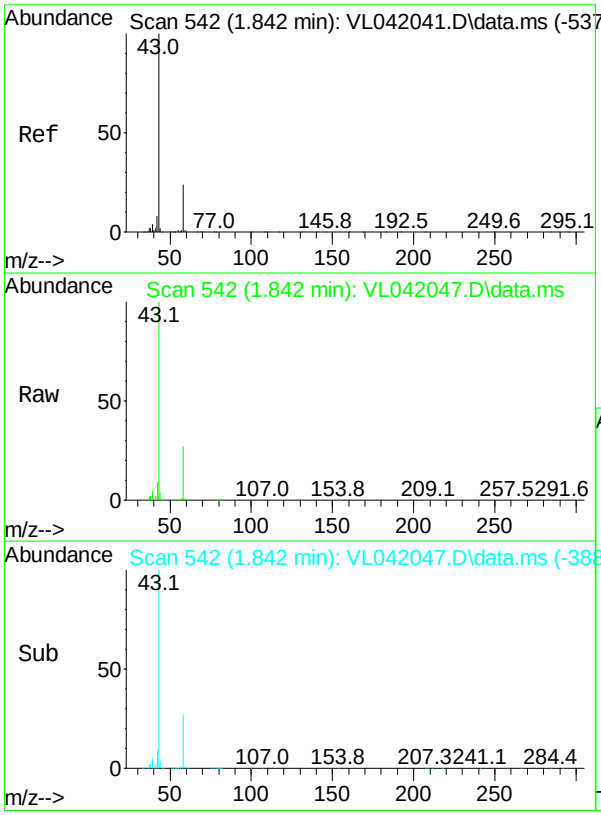
#14
Bromoethene
Concen: 8.164 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:108 Resp: 65496

Ion	Ratio	Lower	Upper
108	100		
106	105.7	85.4	128.0
79	20.5	16.5	24.7



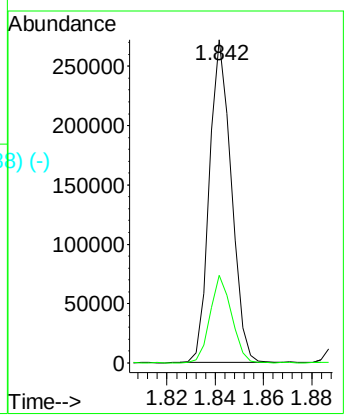
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

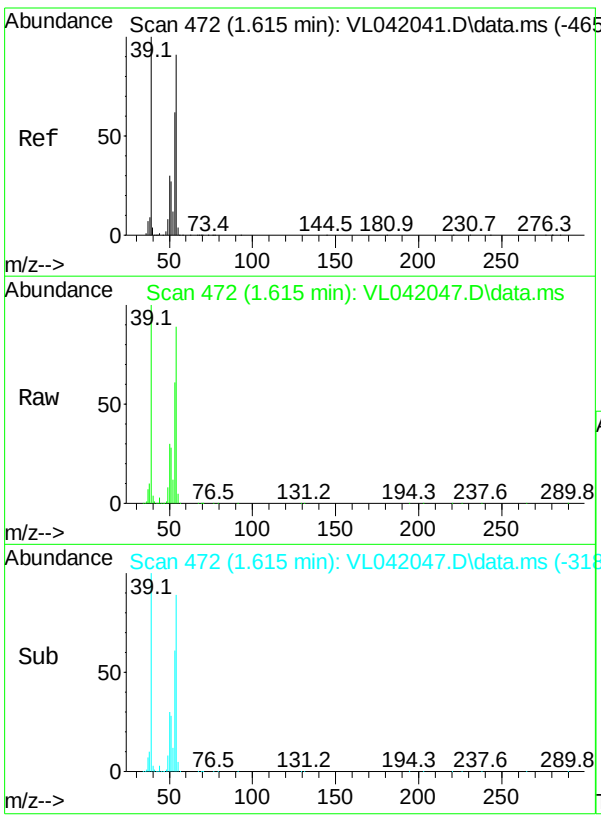


#15
Acetone
Concen: 6.574 ppbv
RT: 1.842 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 172538

Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.7	31.1

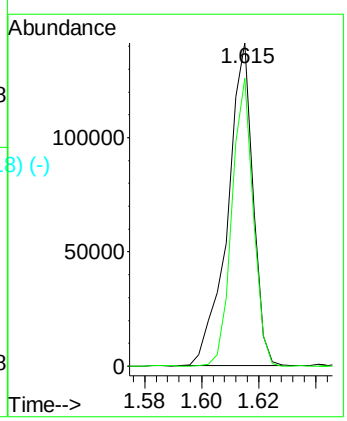




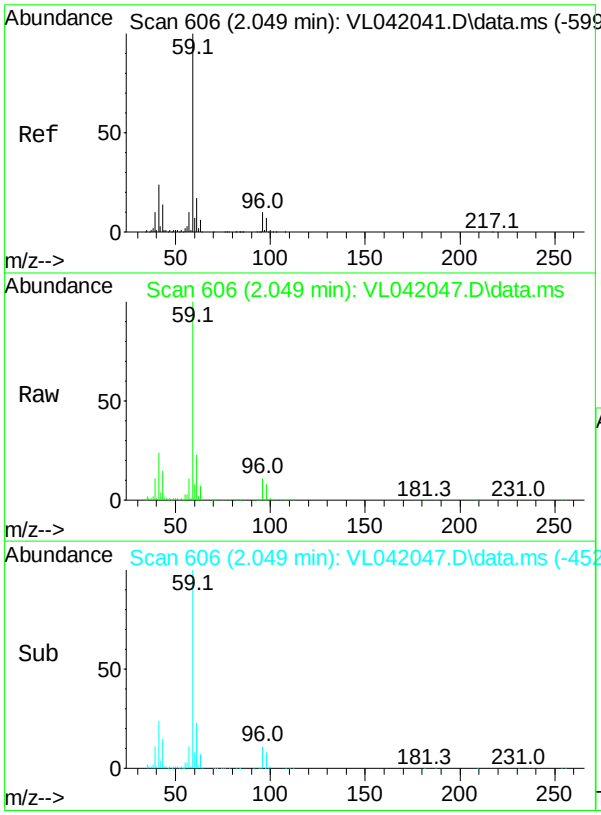
#16
1,3-Butadiene
Concen: 7.027 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 39 Resp: 87490

Ion	Ratio	Lower	Upper
39	100		
54	74.6	59.6	89.4



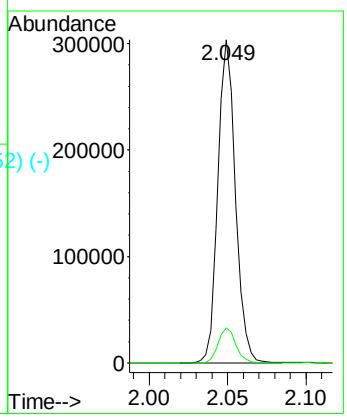
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

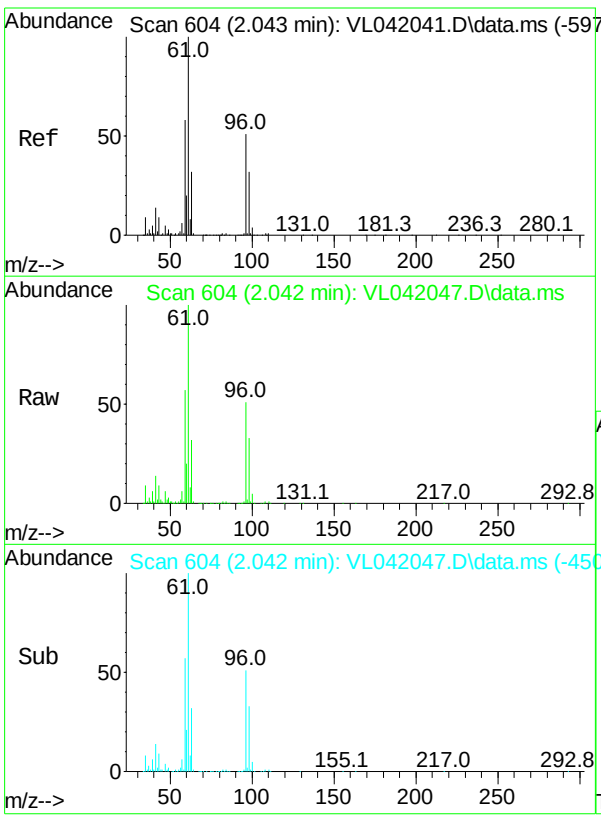


#17
tert-Butyl alcohol
Concen: 7.377 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 59 Resp: 239569

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.3	13.9

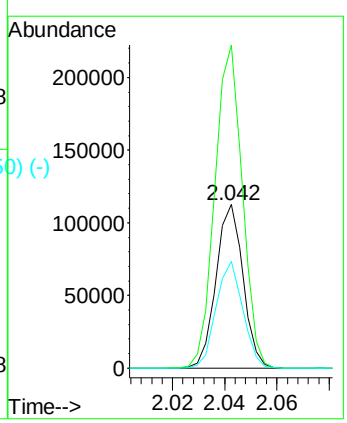




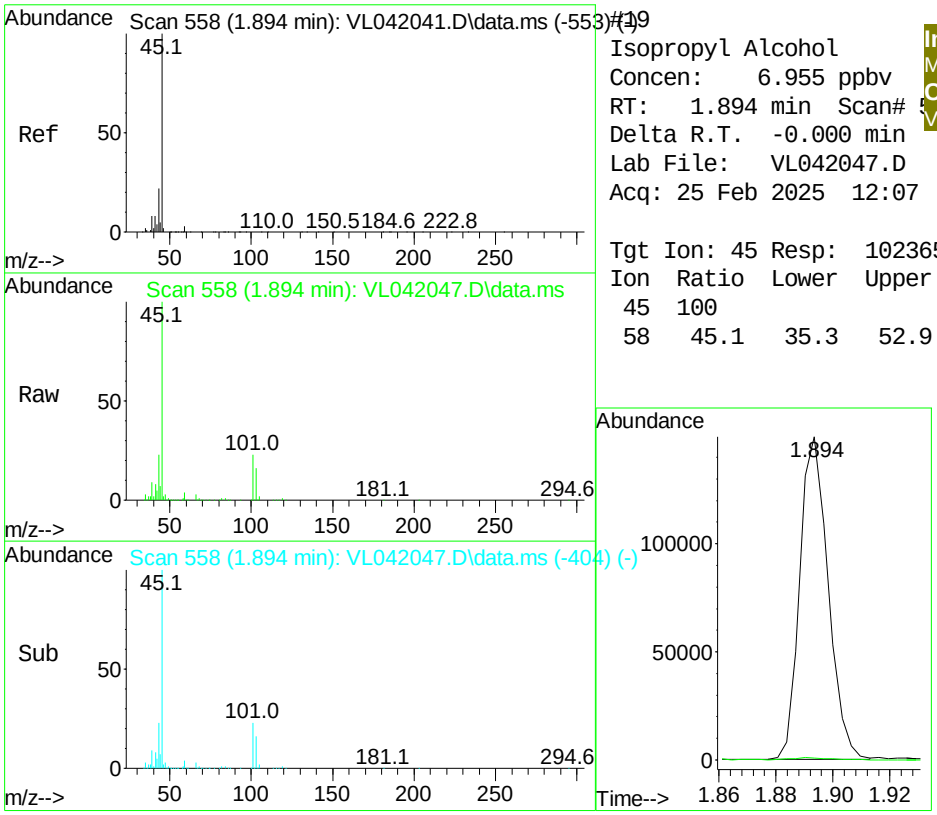
#18
1,1-Dichloroethene
Concen: 7.845 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 96 Resp: 80535

Ion	Ratio	Lower	Upper
96	100		
61	197.3	156.0	234.0
98	65.4	49.4	74.2



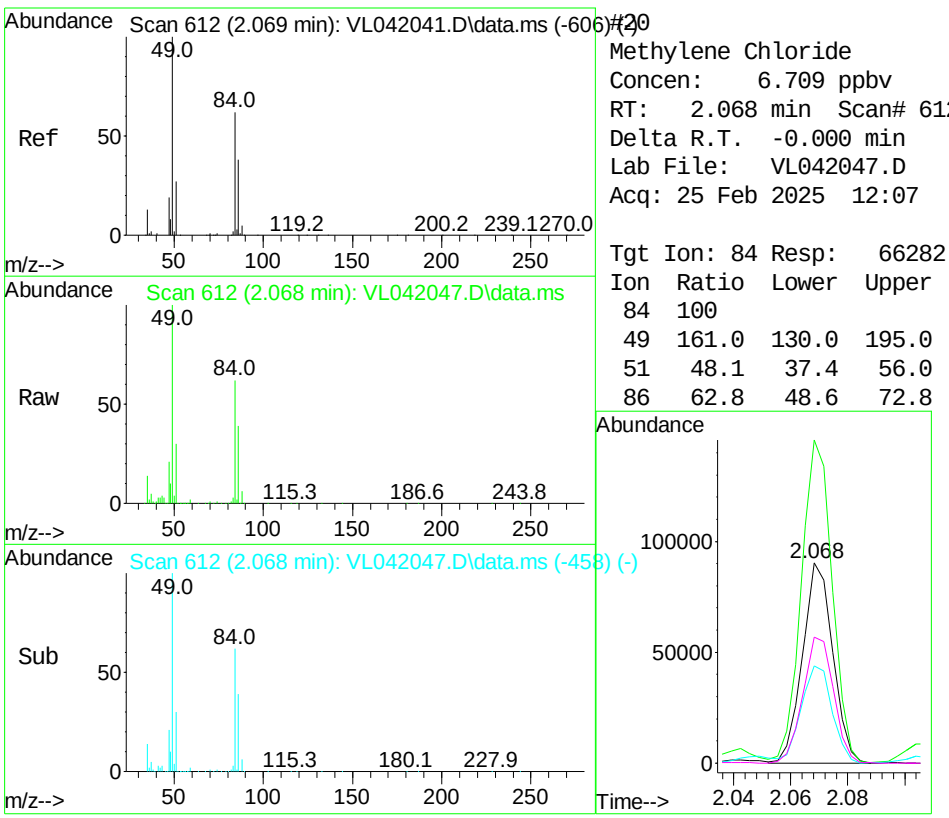
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



#19
Isopropyl Alcohol
Concen: 6.955 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 45 Resp: 102365

Ion	Ratio	Lower	Upper
45	100		
58	45.1	35.3	52.9

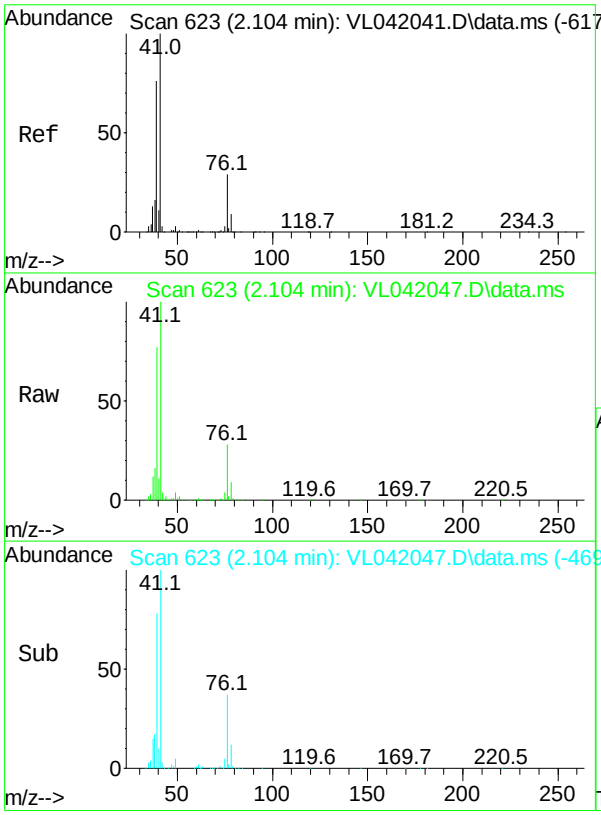


#20
Methylene Chloride
Concen: 6.709 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 84 Resp: 66282

Ion	Ratio	Lower	Upper
84	100		
49	161.0	130.0	195.0
51	48.1	37.4	56.0
86	62.8	48.6	72.8

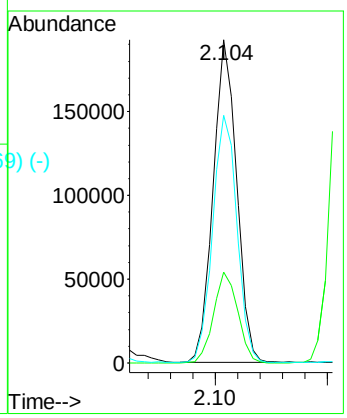
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

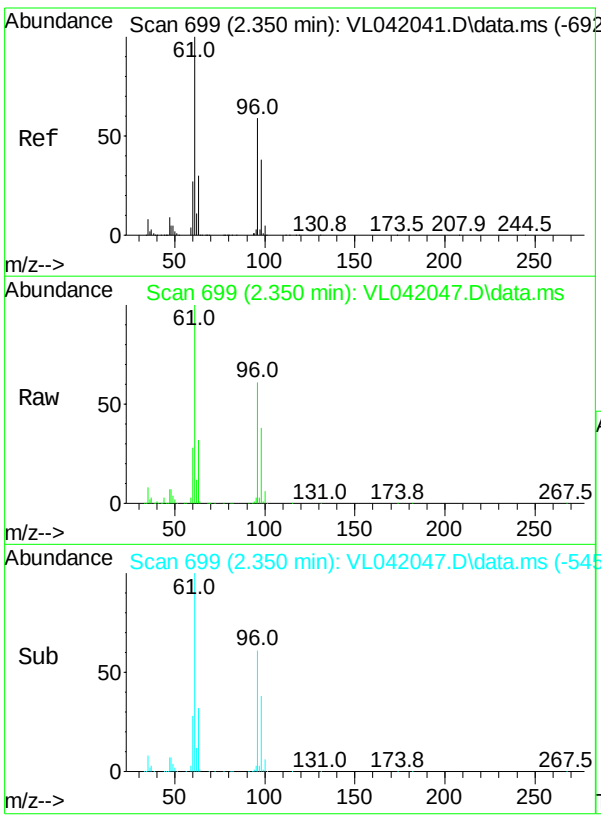


#21
Allyl Chloride
Concen: 7.406 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 41 Resp: 140726

Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.8	35.6
39	79.2	63.8	95.6

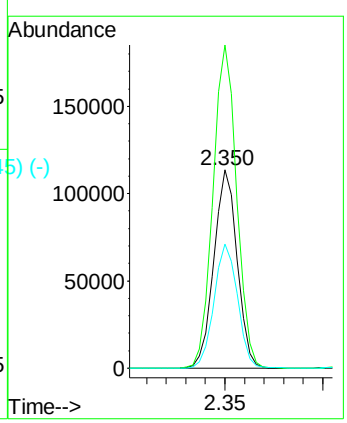




#22
trans-1,2-Dichloroethene
Concen: 8.466 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

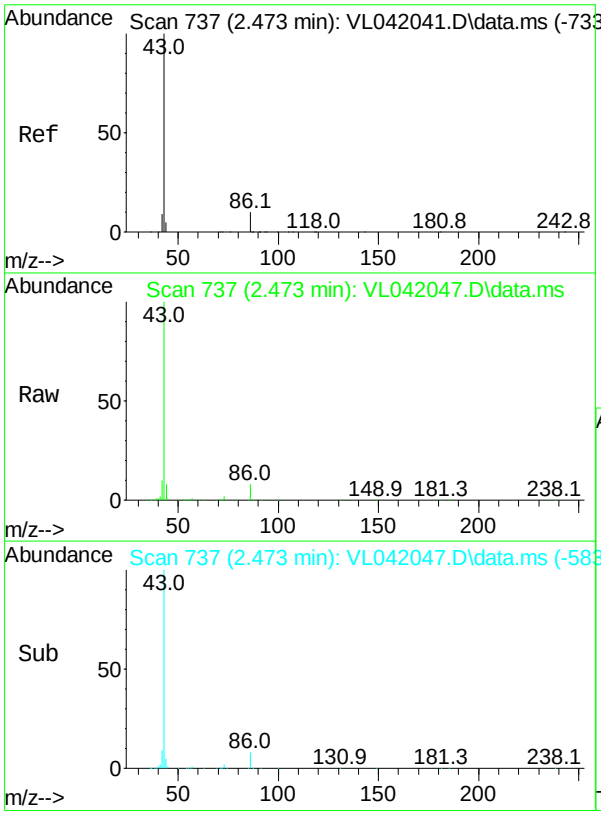
Tgt Ion: 96 Resp: 94321

Ion	Ratio	Lower	Upper
96	100		
61	162.9	136.6	205.0
98	62.6	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

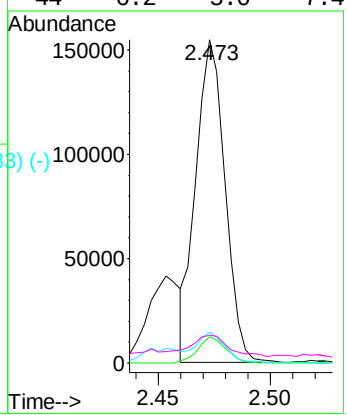
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

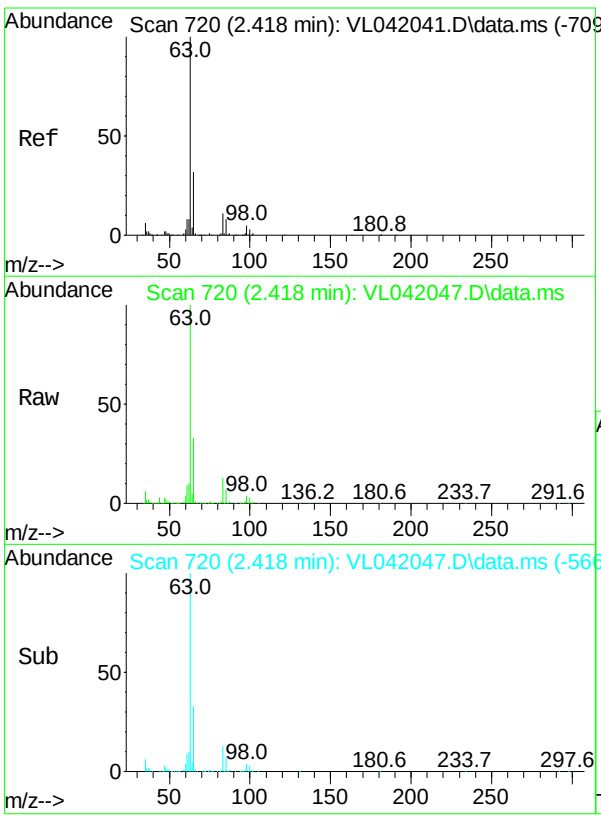


#23
Vinyl Acetate
Concen: 9.831 ppbv
RT: 2.473 min Scan# 737
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 139727

Ion	Ratio	Lower	Upper
43	100		
86	8.1	7.0	10.4
42	9.5	7.6	11.4
44	6.2	5.0	7.4

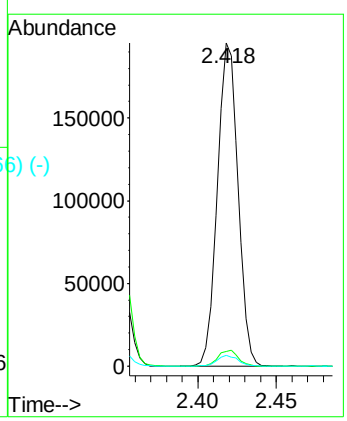


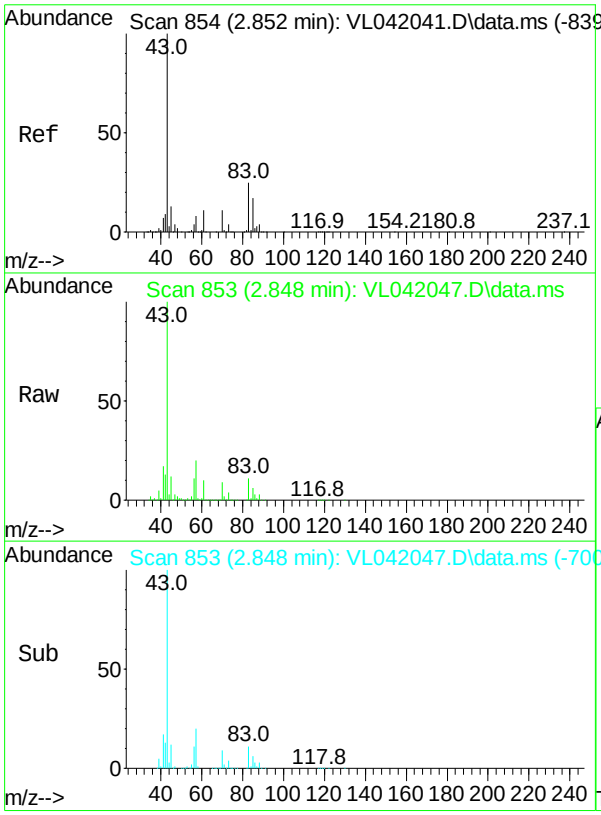


#24
1,1-Dichloroethane
Concen: 7.997 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 63 Resp: 180882

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.2
100	3.3	1.7	5.0



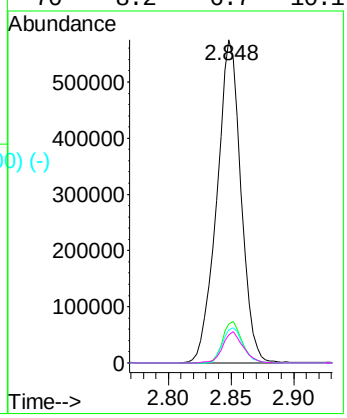


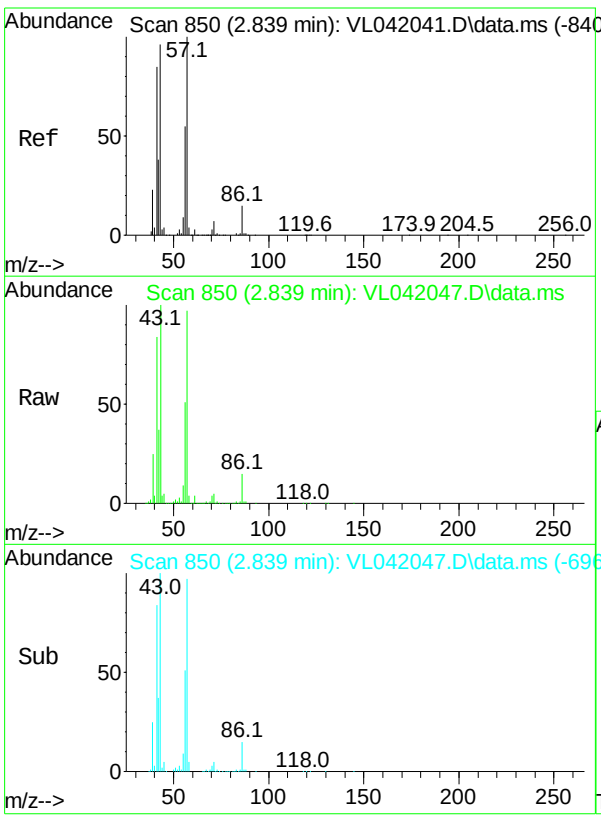
#25
Ethyl Acetate
Concen: 10.652 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 767353

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.1	7.2	10.8
70	8.2	6.7	10.1

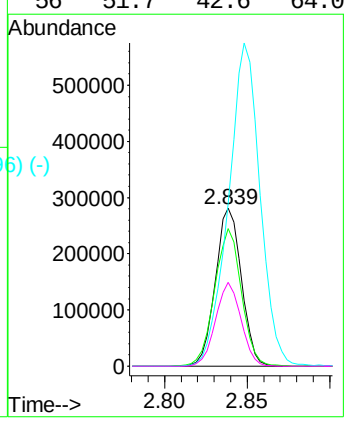


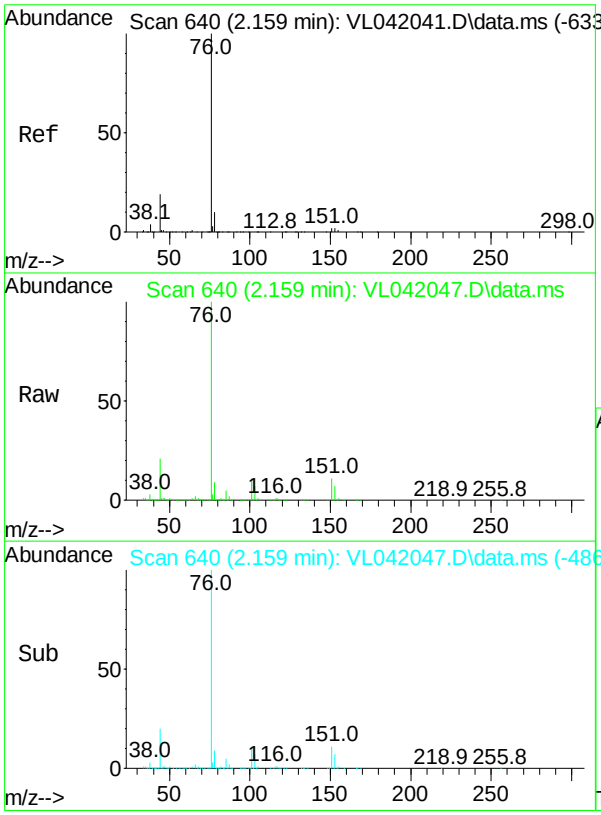


#26
Hexane
Concen: 10.615 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 57 Resp: 306864

Ion	Ratio	Lower	Upper
57	100		
41	89.9	70.6	106.0
43	250.3	199.4	299.0
56	51.7	42.6	64.0

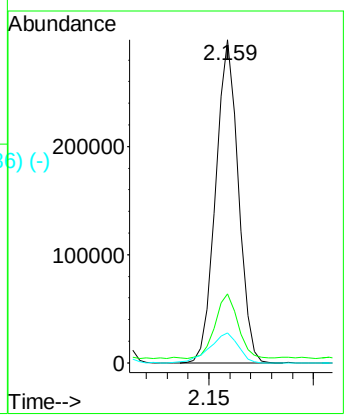


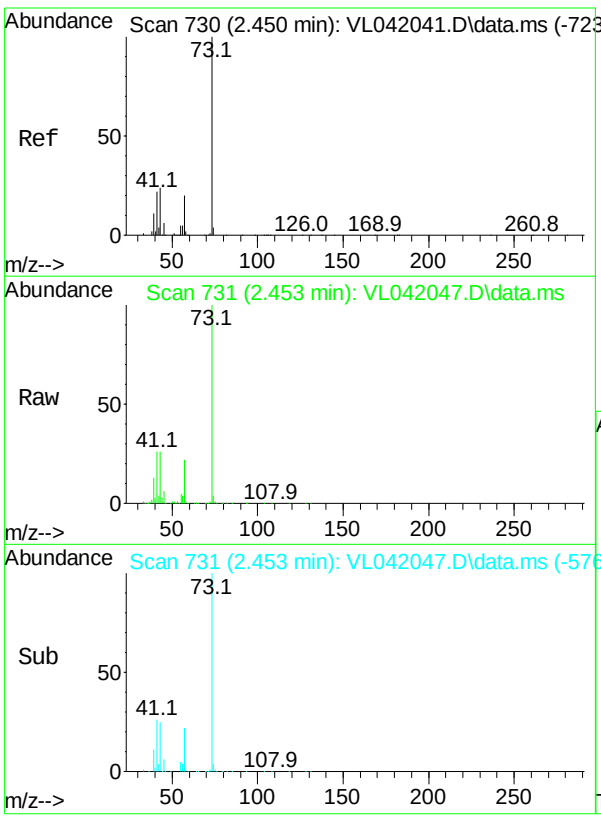


#27
Carbon Disulfide
Concen: 8.261 ppbv
RT: 2.159 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 76 Resp: 224609

Ion	Ratio	Lower	Upper
76	100		
44	21.3	16.2	24.2
78	11.7	9.4	14.0

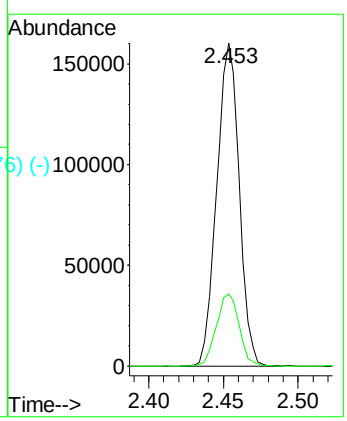




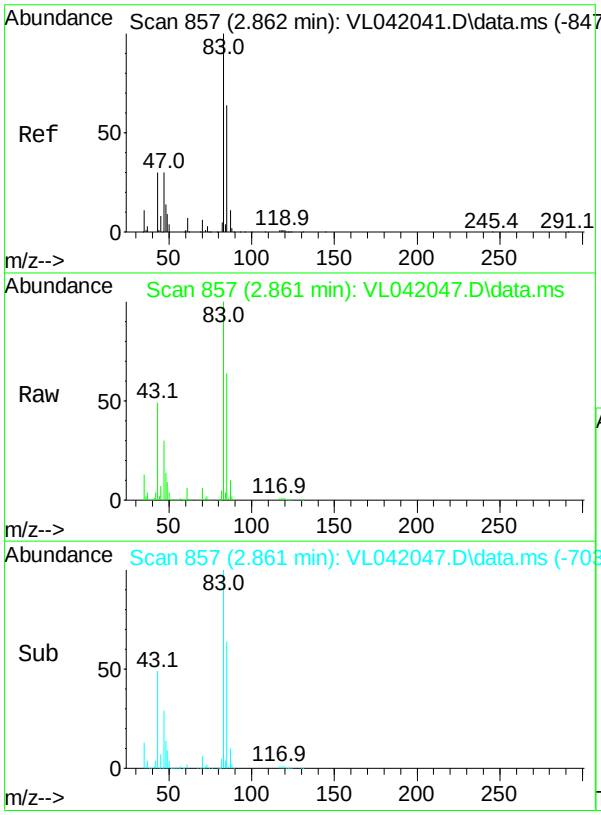
#28
Methyl tert-Butyl Ether
Concen: 9.510 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 73 Resp: 168058

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

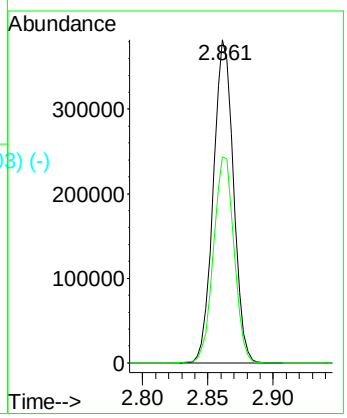


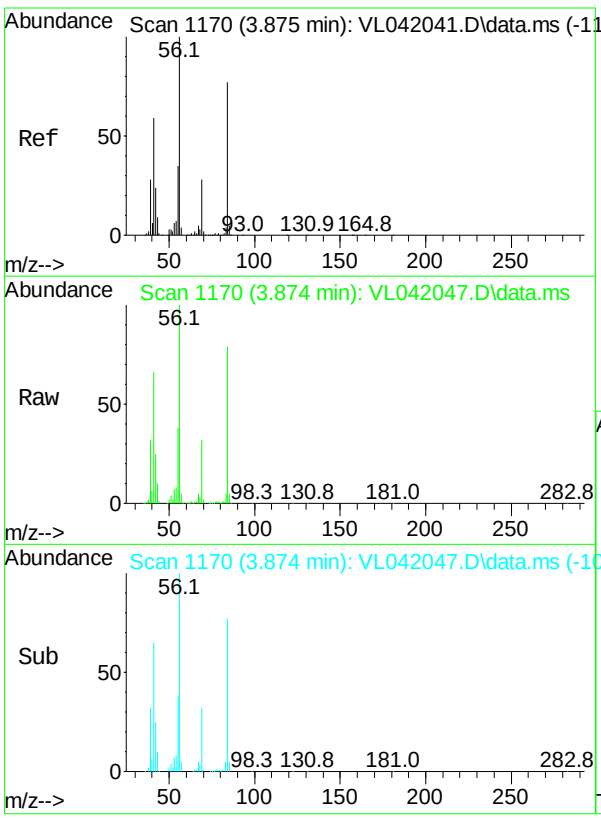
#29
Chloroform
Concen: 9.774 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 409240

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.2	76.8

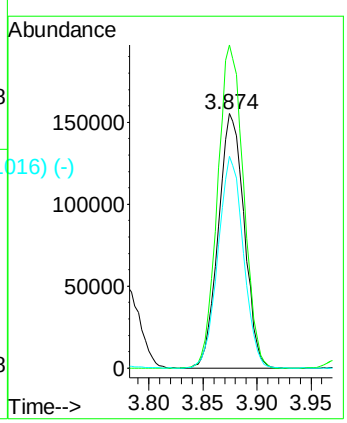


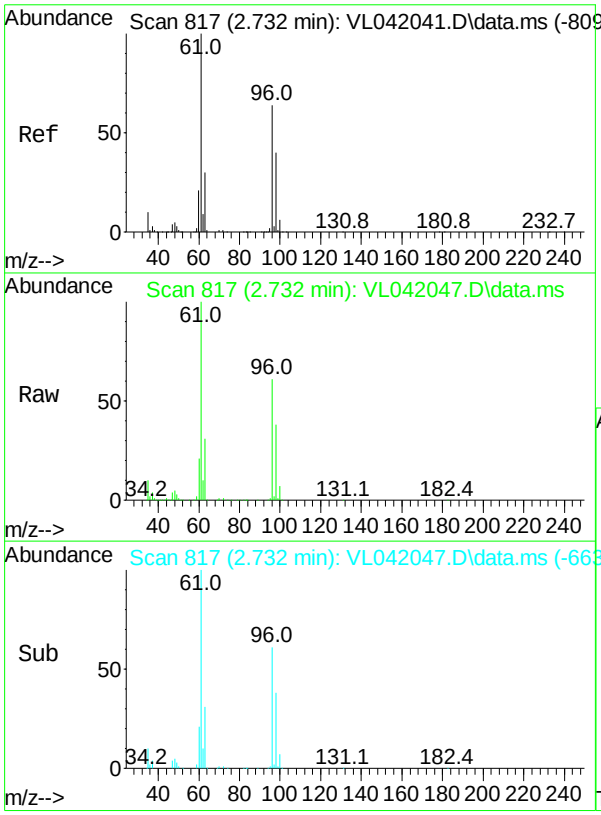


#30
Cyclohexane
Concen: 10.946 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 84 Resp: 256687

Ion	Ratio	Lower	Upper
84	100		
56	127.5	101.5	152.3
41	81.7	62.6	93.8



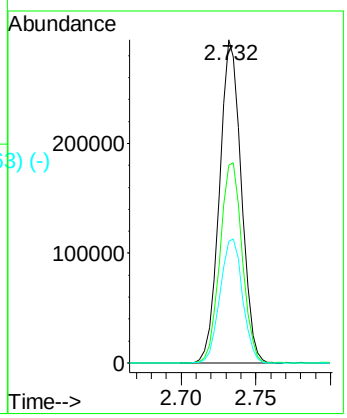


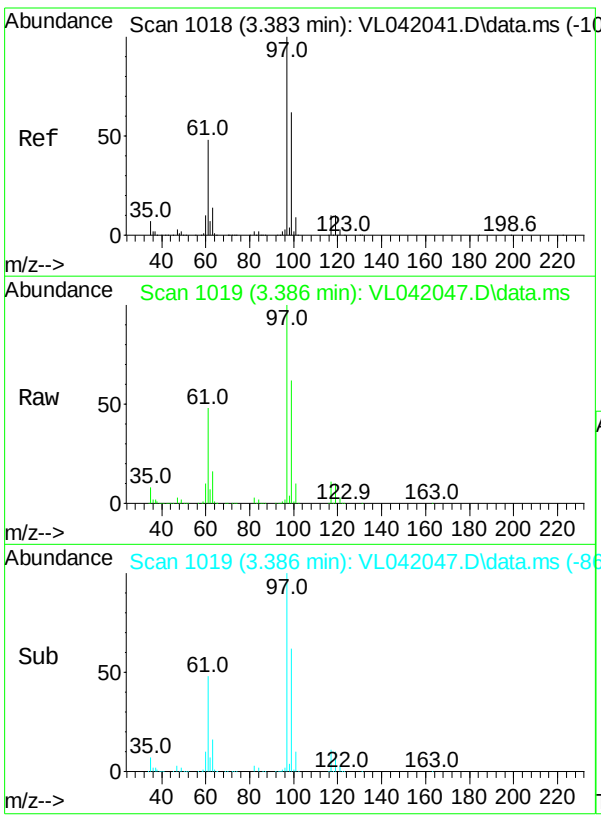
#31
cis-1,2-Dichloroethene
Concen: 10.476 ppbv
RT: 2.732 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 299324

Ion	Ratio	Lower	Upper
61	100		
96	61.2	51.5	77.3
98	37.6	32.0	48.0

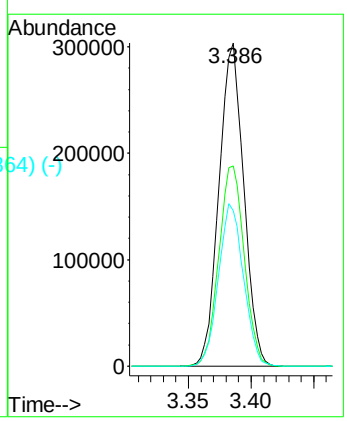


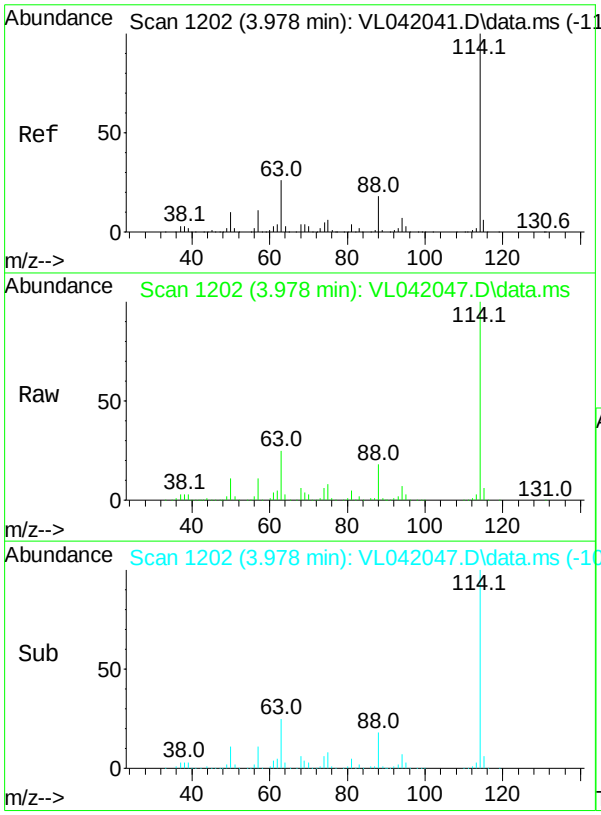


#32
1,1,1-Trichloroethane
Concen: 8.994 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 97 Resp: 417615

Ion	Ratio	Lower	Upper
97	100		
99	63.5	49.8	74.6
61	50.7	38.9	58.3



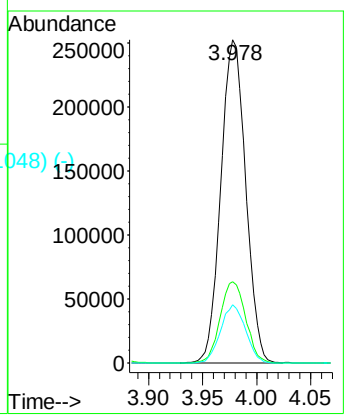


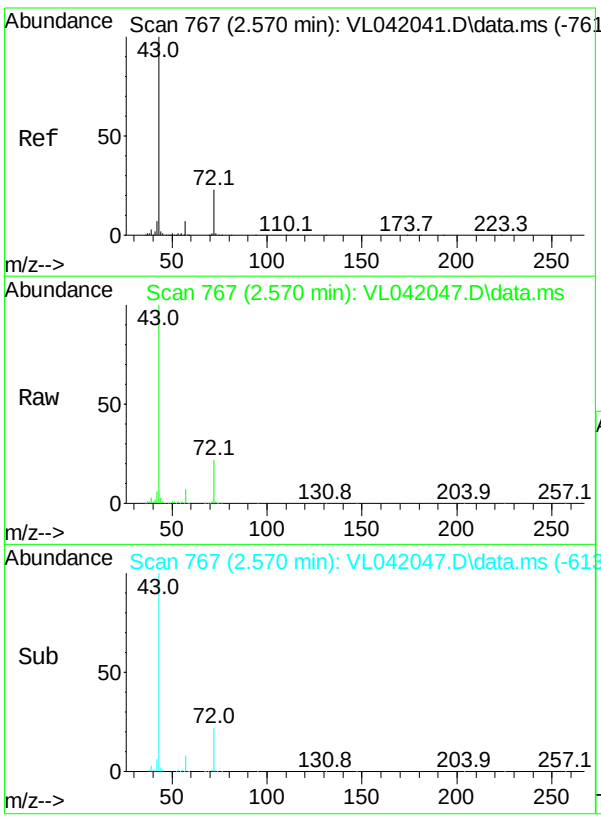
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 401919

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.1	30.1
88	18.1	14.3	21.5

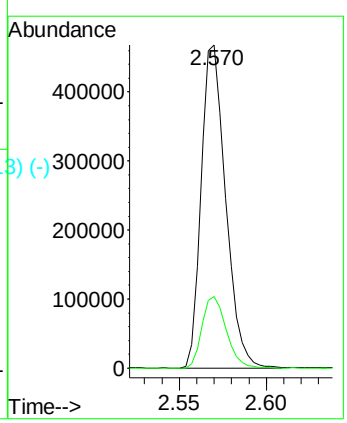


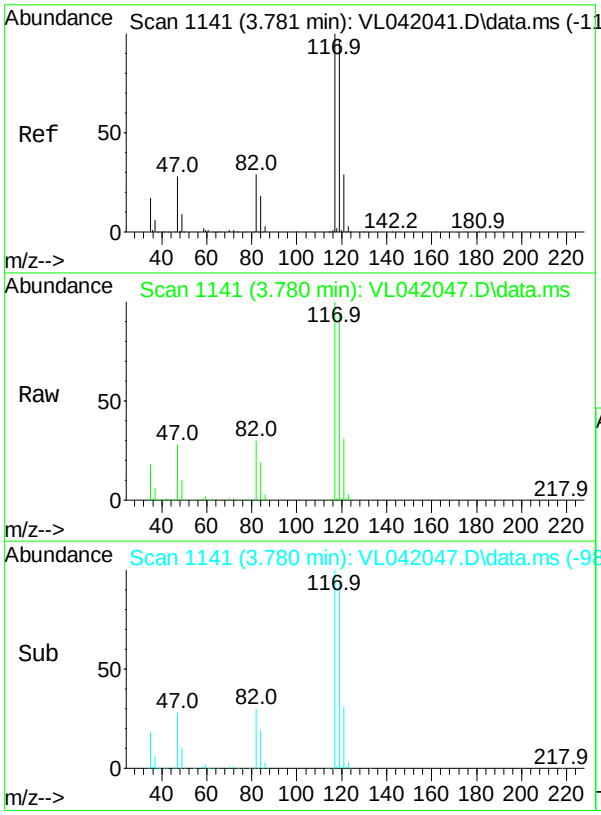


#34
2-Butanone
Concen: 13.234 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 457602

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.5	27.7



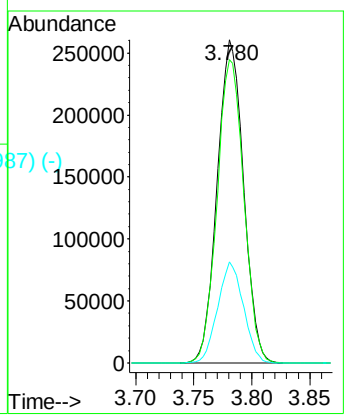


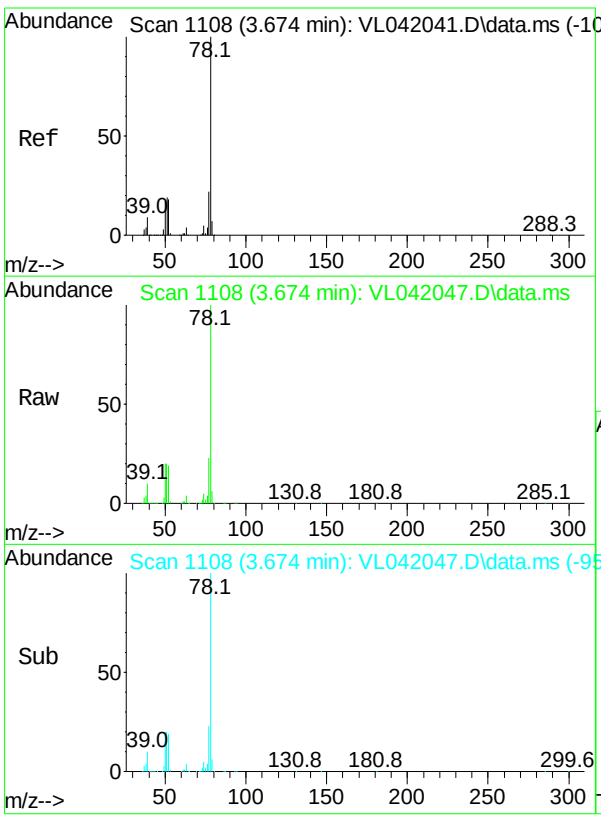
#85
Carbon Tetrachloride
Concen: 10.524 ppbv
RT: 3.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 410730

Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.8	116.8
121	31.3	23.4	35.0

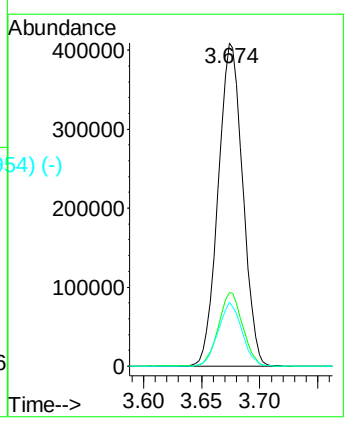


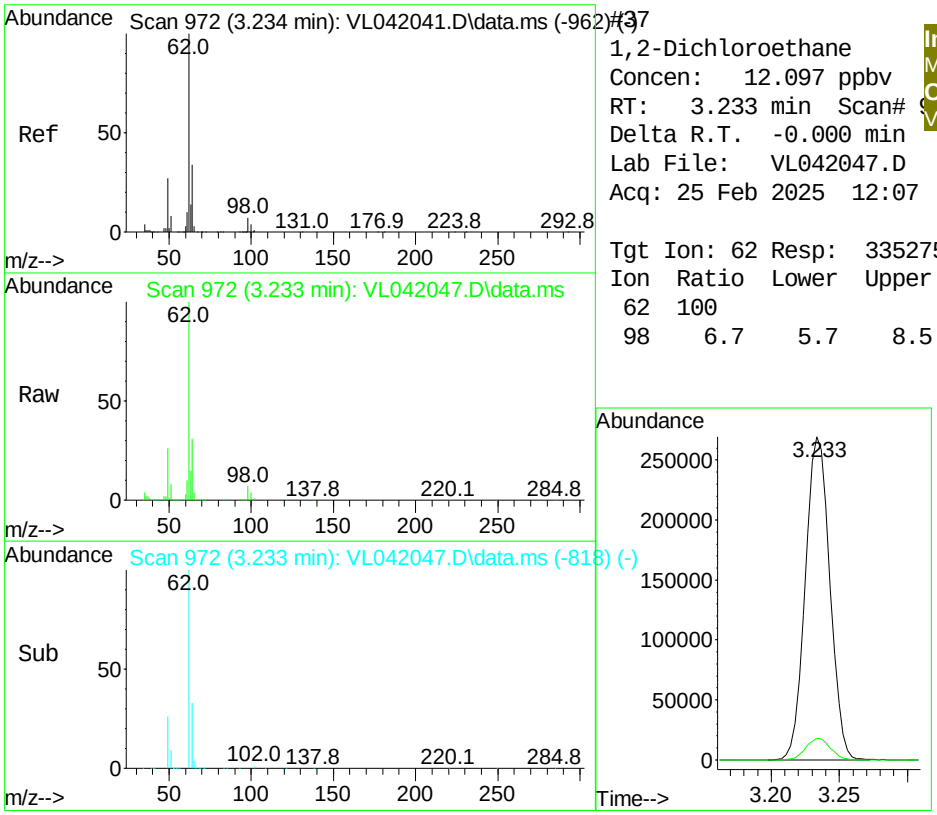


#36
Benzene
Concen: 12.367 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 78 Resp: 602107

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	19.7	13.9	20.9



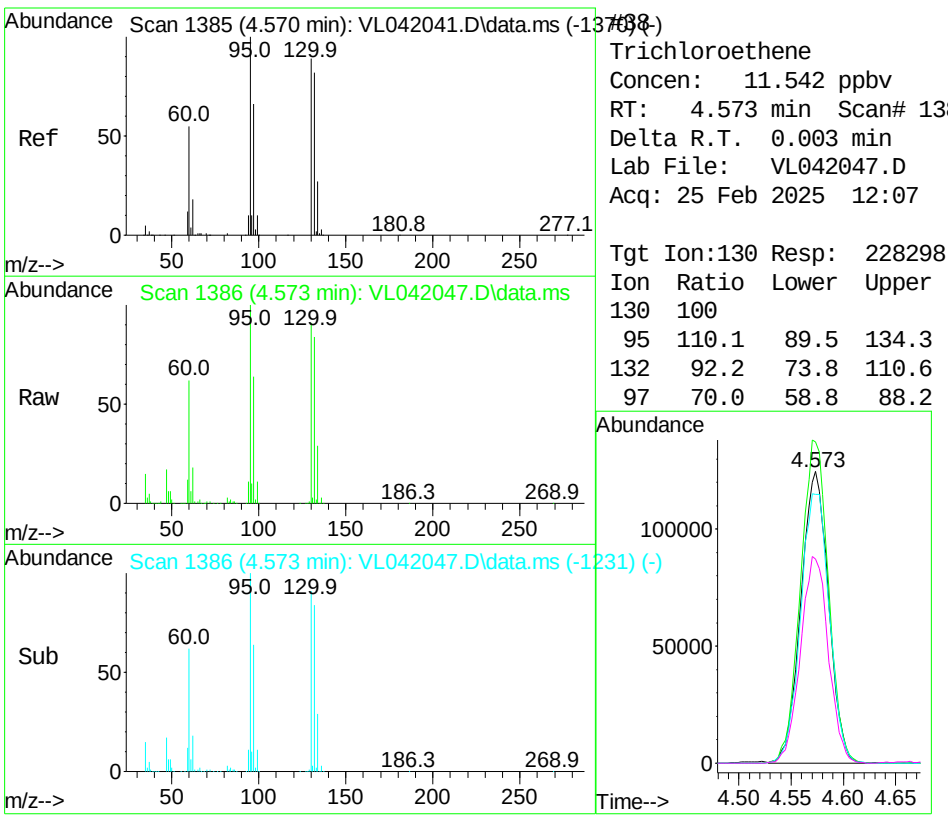


#37
1,2-Dichloroethane
Concen: 12.097 ppbv
RT: 3.233 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 335275

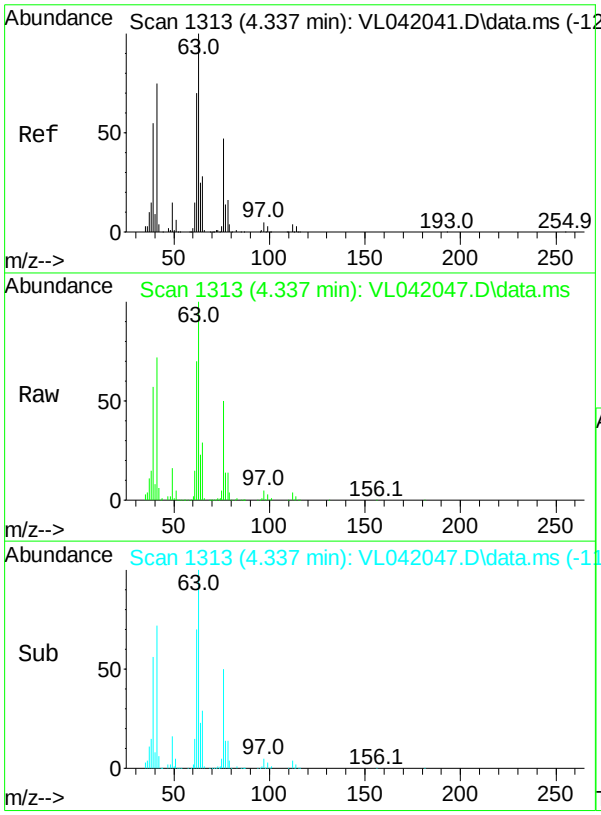
Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.7	8.5



#38
Trichloroethene
Concen: 11.542 ppbv
RT: 4.573 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:130 Resp: 228298

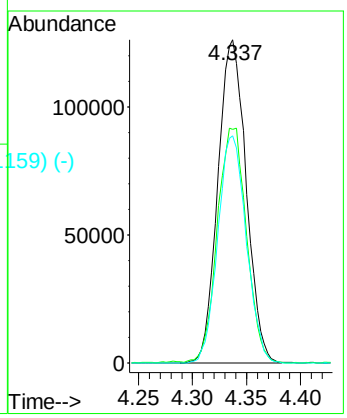
Ion	Ratio	Lower	Upper
130	100		
95	110.1	89.5	134.3
132	92.2	73.8	110.6
97	70.0	58.8	88.2

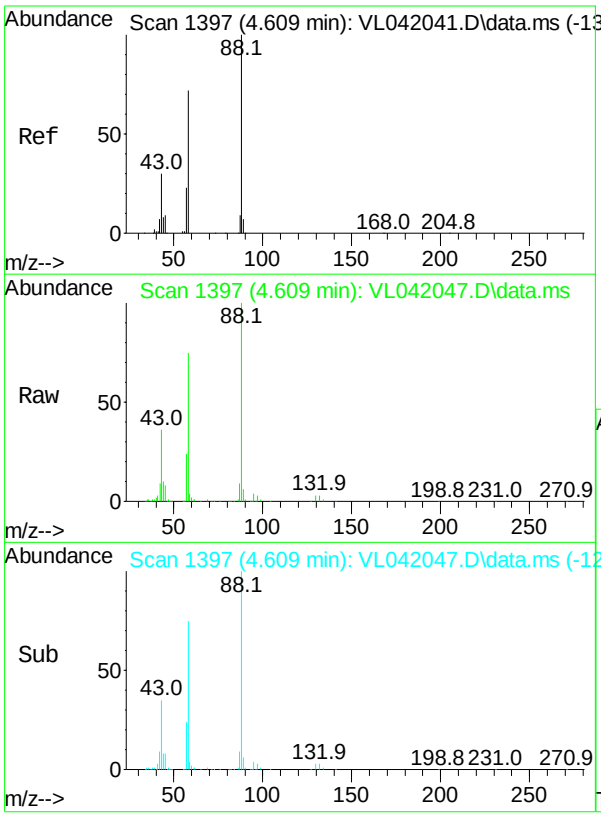


#39
1,2-Dichloropropane
Concen: 12.797 ppbv
RT: 4.337 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 63 Resp: 228418

Ion	Ratio	Lower	Upper
63	100		
41	72.2	60.1	90.1
62	70.3	55.8	83.8

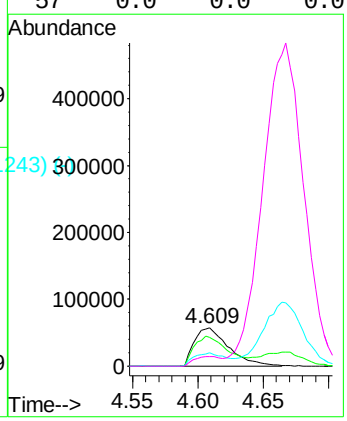




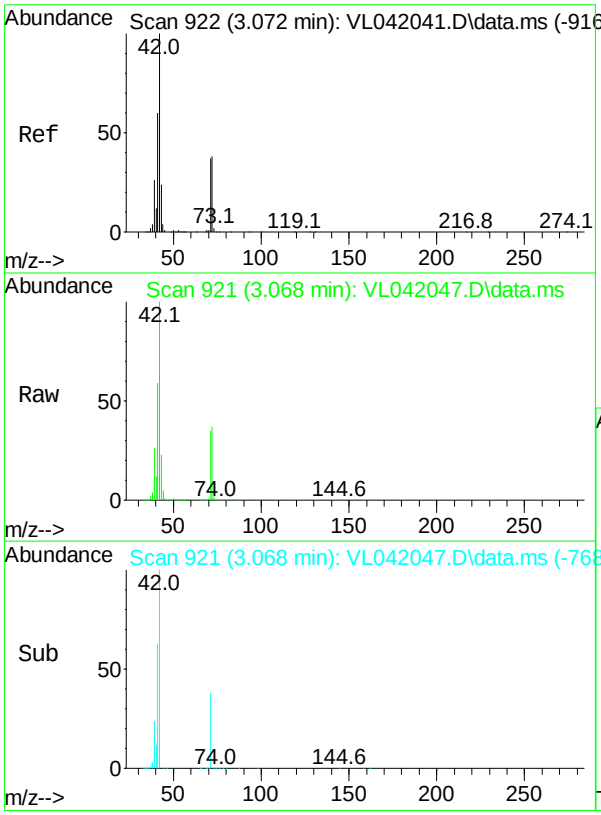
#40
1,4-Dioxane
Concen: 11.253 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 88 Resp: 104519

Ion	Ratio	Lower	Upper
88	100		
58	81.6	62.6	94.0
43	30.4	0.0	0.0#
57	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

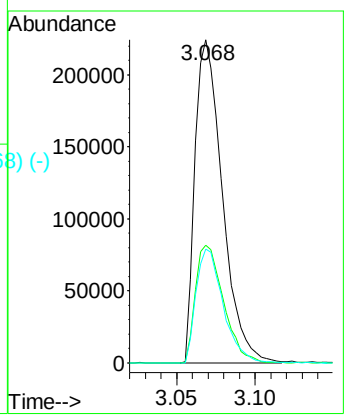


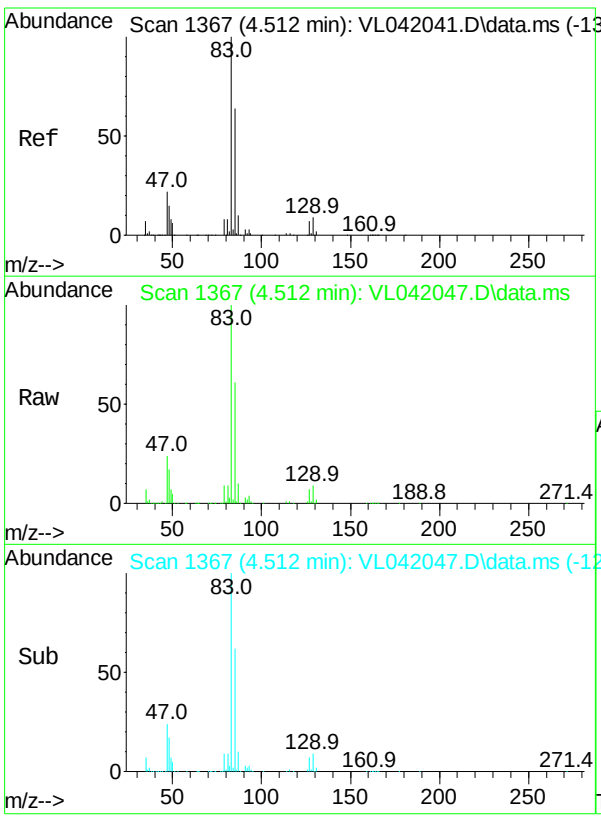
#41
Tetrahydrofuran
Concen: 13.724 ppbv
RT: 3.068 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 271202

Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.2	45.2
71	35.1	28.2	42.4

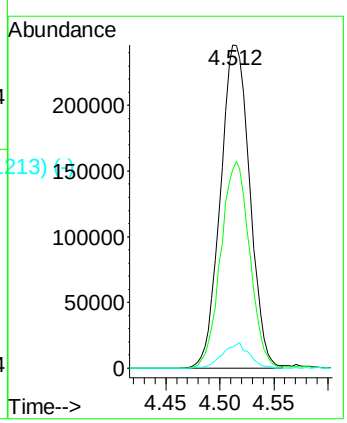




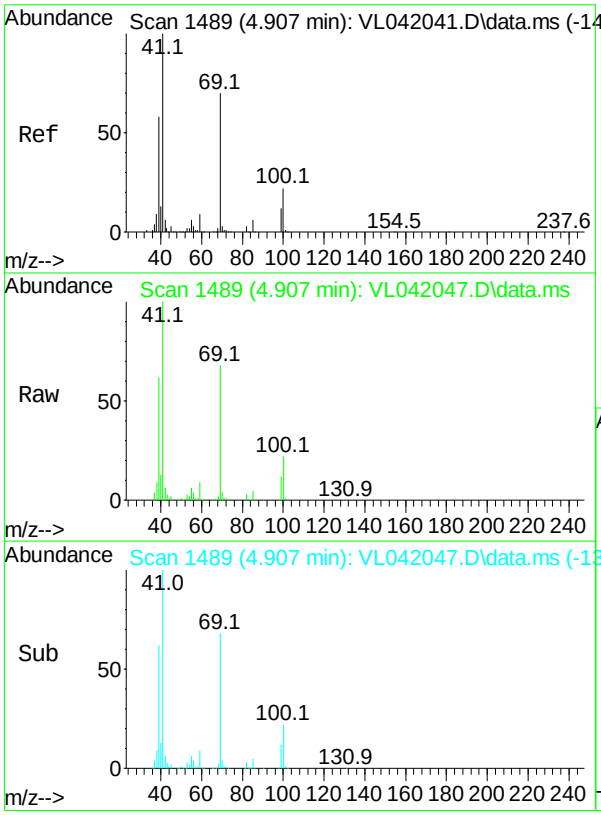
#42
Bromodichloromethane
Concen: 12.285 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 83 Resp: 461272

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.2
127	6.6	5.8	8.6



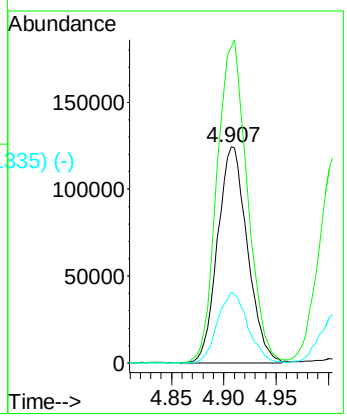
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

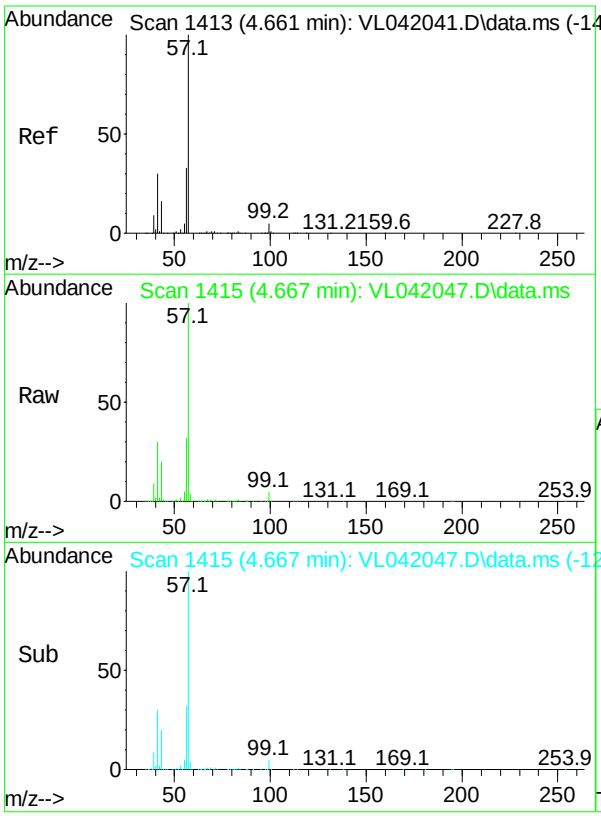


#43
Methyl Methacrylate
Concen: 11.105 ppbv
RT: 4.907 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 69 Resp: 246468

Ion	Ratio	Lower	Upper
69	100		
41	151.9	118.2	177.4
100	33.2	27.0	40.4

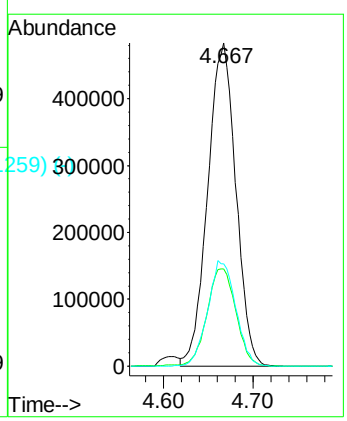


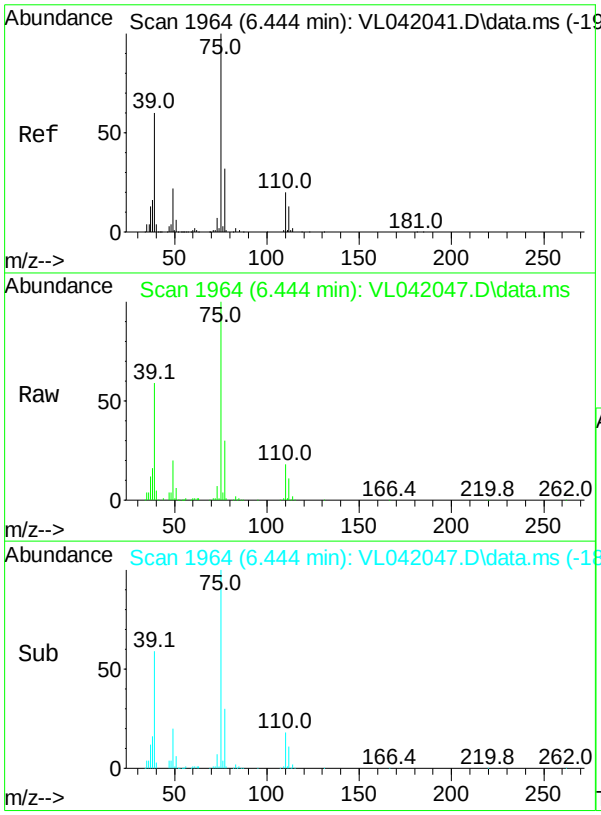


#44
2,2,4-Trimethylpentane
Concen: 12.763 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 57 Resp: 1054880

Ion	Ratio	Lower	Upper
57	100		
41	31.2	24.4	36.6
56	32.4	26.5	39.7



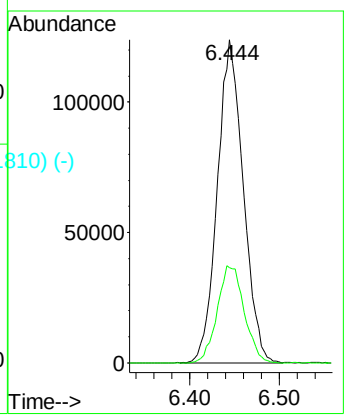


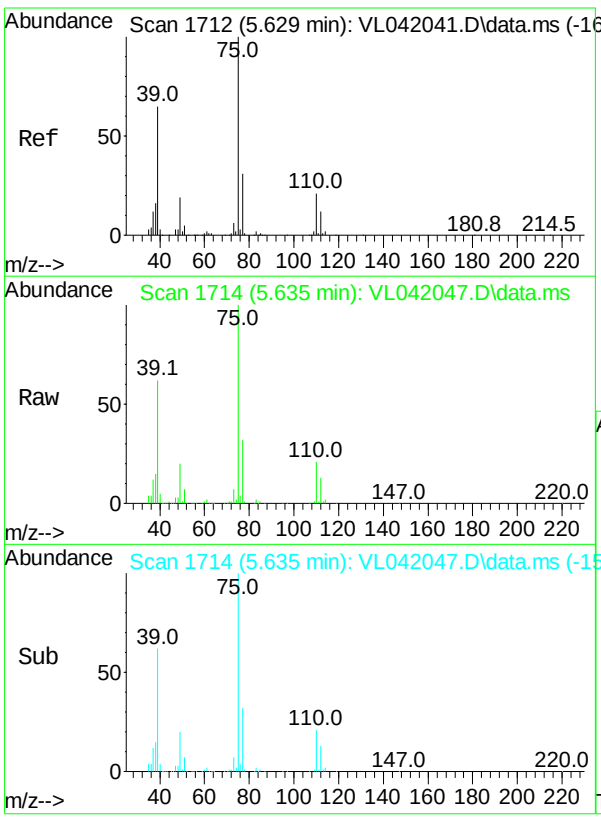
#45
t-1,3-Dichloropropene
Concen: 11.914 ppbv
RT: 6.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 249612

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.9	38.9

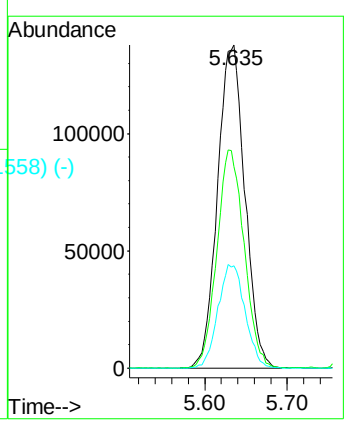


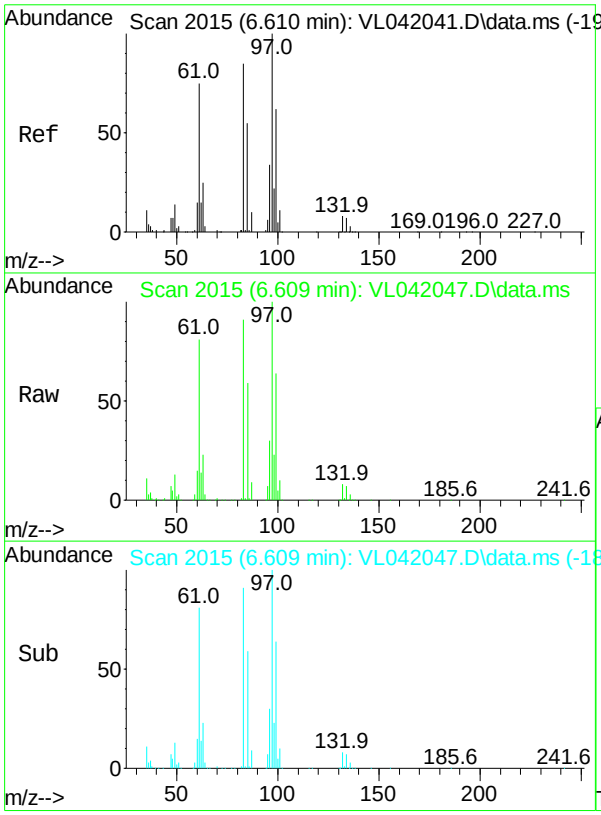


#46
cis-1,3-Dichloropropene
Concen: 11.935 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.006 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 75 Resp: 317266

Ion	Ratio	Lower	Upper
75	100		
39	62.4	51.9	77.9
77	31.6	24.9	37.3

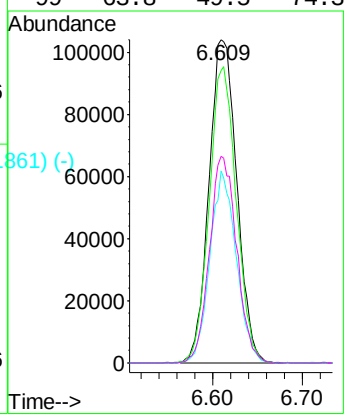


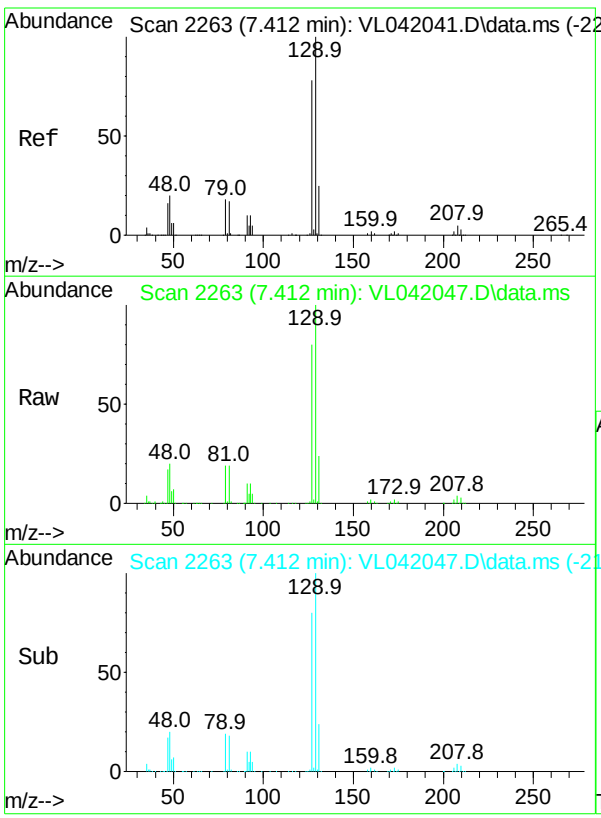


#47
1,1,2-Trichloroethane
Concen: 12.032 ppbv
RT: 6.609 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 97 Resp: 226021

Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	59.4	44.0	66.0
99	63.8	49.5	74.3

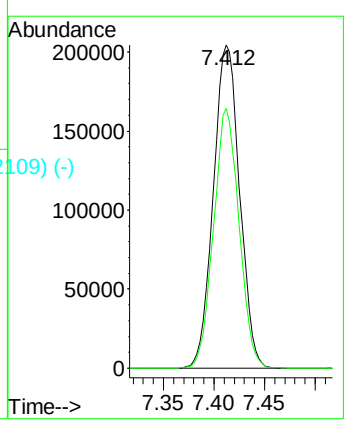




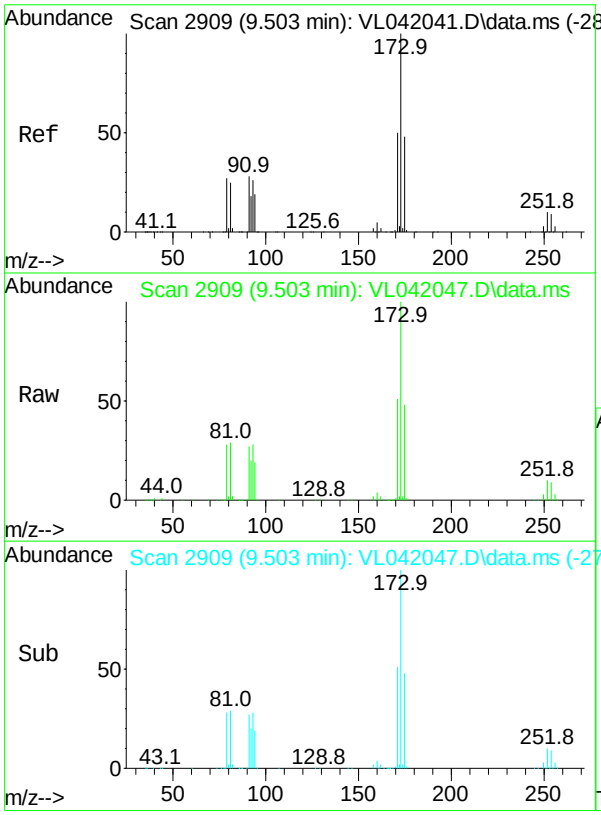
#48
Dibromochloromethane
Concen: 11.750 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:129 Resp: 369666

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	115.8



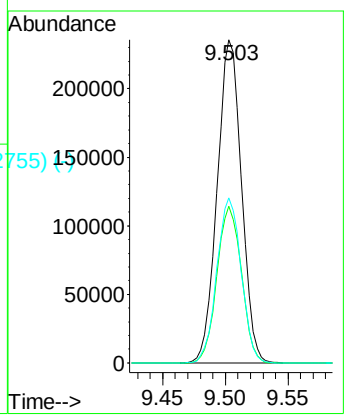
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

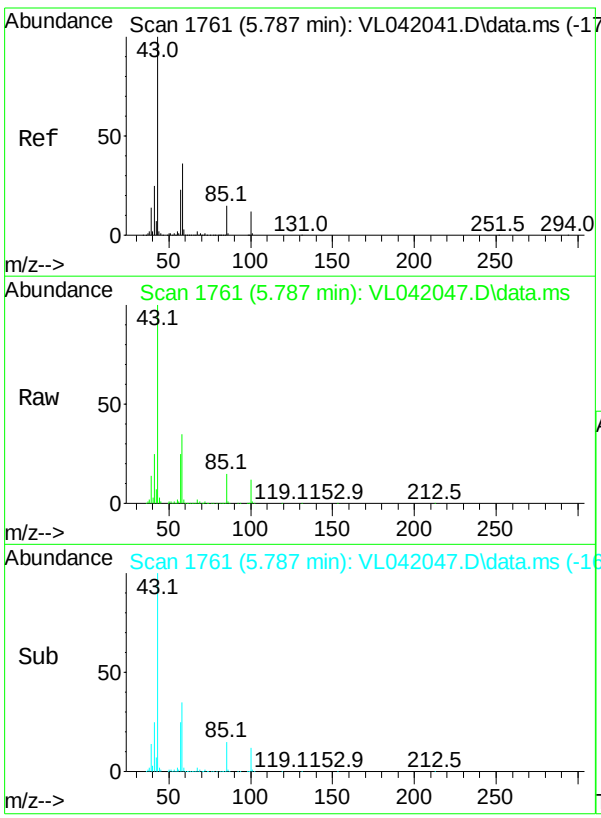


#49
Bromoform
Concen: 12.297 ppbv
RT: 9.503 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:173 Resp: 317322

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.3	57.5
171	51.2	40.2	60.2

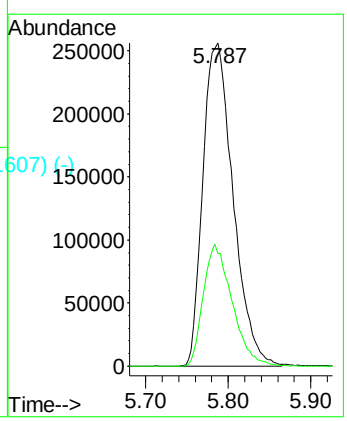




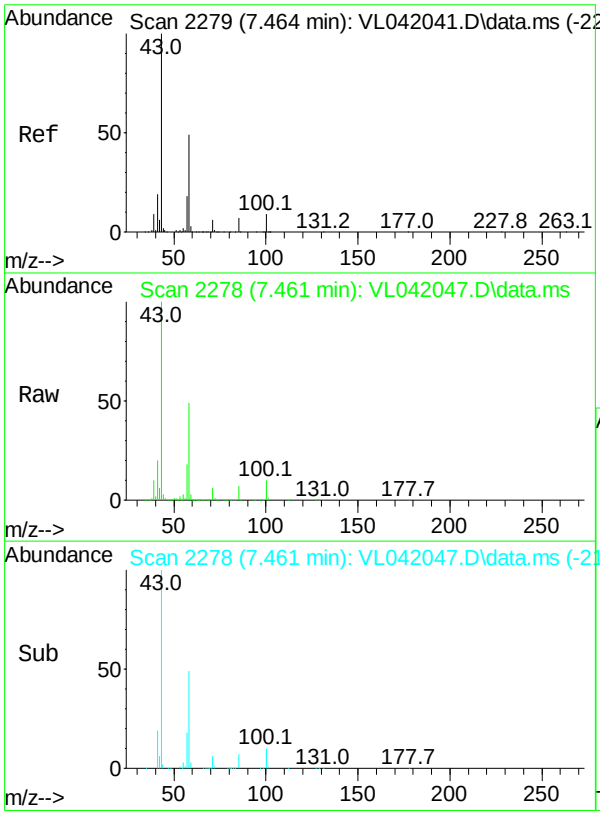
#50
4-Methyl-2-Pentanone
Concen: 12.237 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 650307

Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.3	43.9



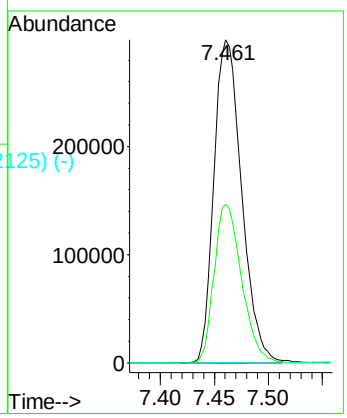
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

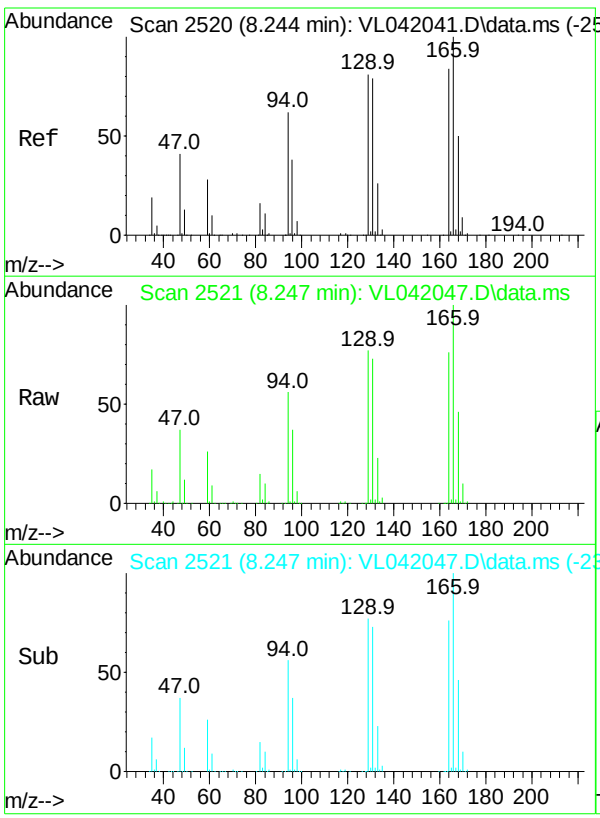


#51
2-Hexanone
Concen: 12.198 ppbv
RT: 7.461 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 43 Resp: 530165

Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
98	0.2	0.1	0.1#

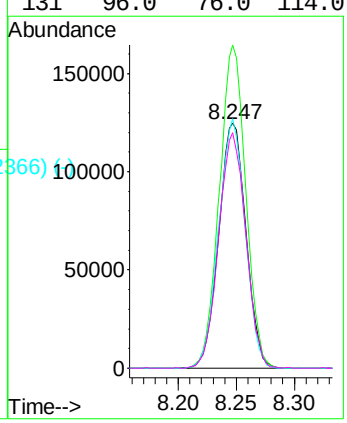




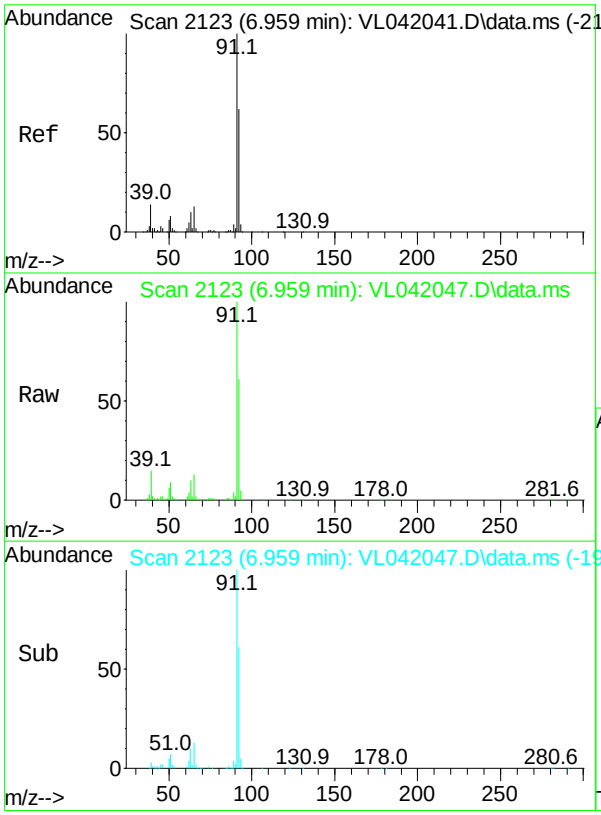
#52
Tetrachloroethene
Concen: 11.968 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:164 Resp: 203233

Ion	Ratio	Lower	Upper
164	100		
166	132.0	95.7	143.5
129	102.0	77.1	115.7
131	96.0	76.0	114.0



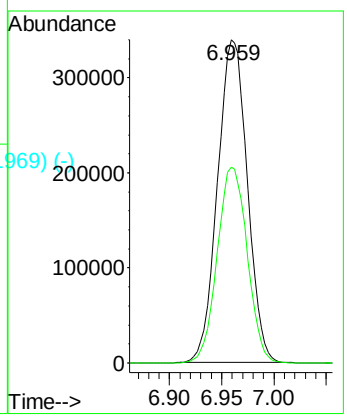
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



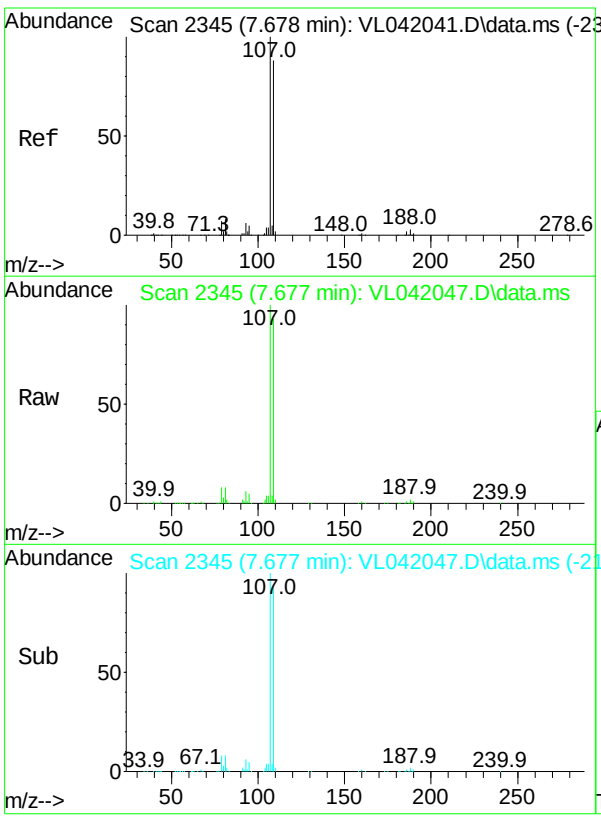
#53
Toluene
Concen: 11.615 ppbv
RT: 6.959 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 673822

Ion	Ratio	Lower	Upper
91	100		
92	60.9	49.0	73.6



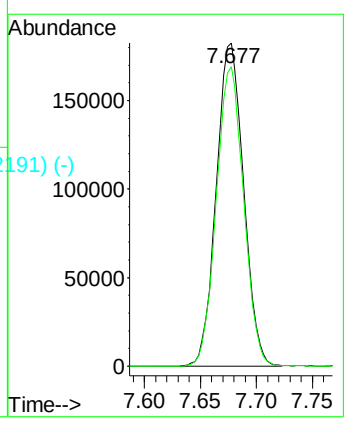
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

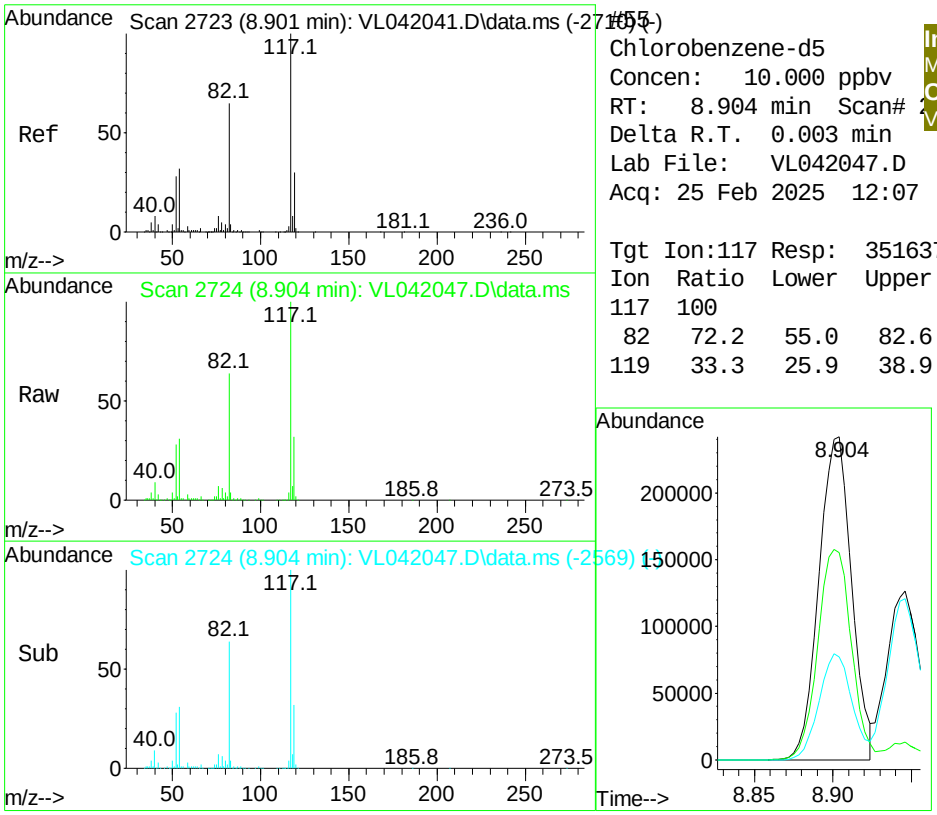


#54
1,2-Dibromoethane
Concen: 11.985 ppbv
RT: 7.677 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:107 Resp: 309982

Ion	Ratio	Lower	Upper
107	100		
109	92.7	70.2	105.4

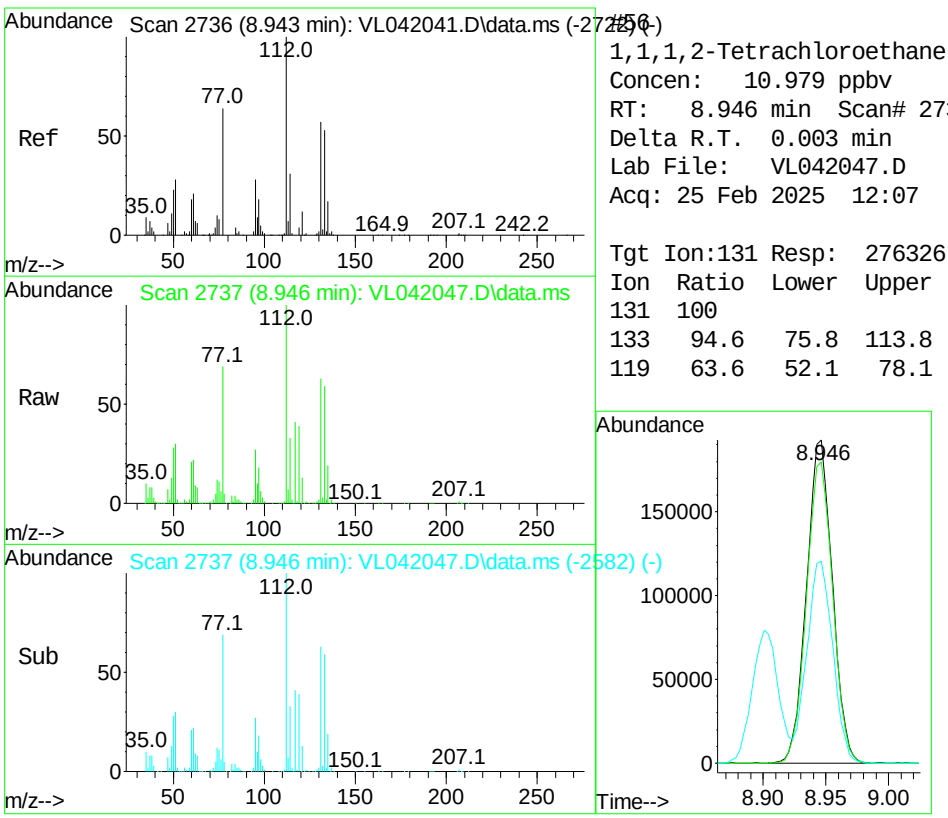




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:117 Resp: 351637

Ion	Ratio	Lower	Upper
117	100		
82	72.2	55.0	82.6
119	33.3	25.9	38.9

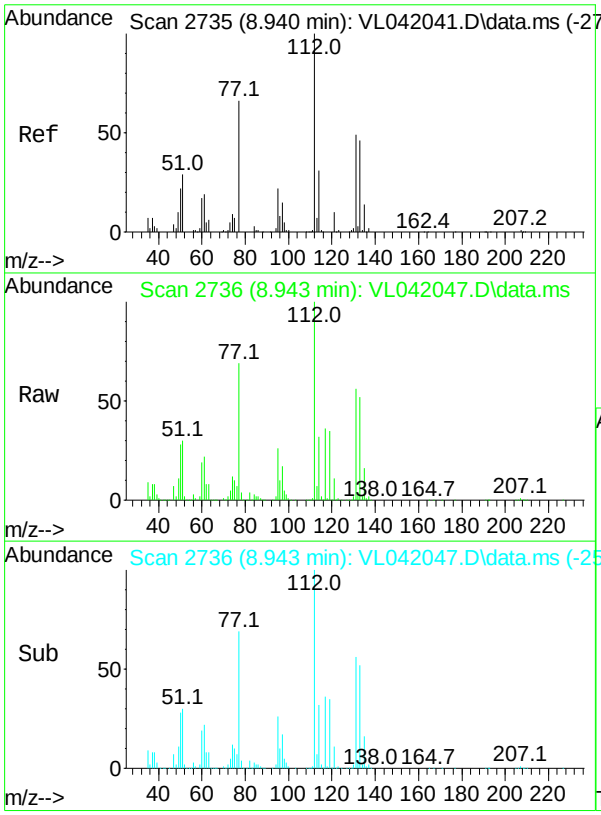


#56
1,1,1,2-Tetrachloroethane
Concen: 10.979 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:131 Resp: 276326

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.8	113.8
119	63.6	52.1	78.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

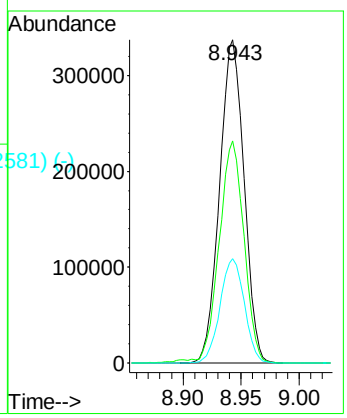


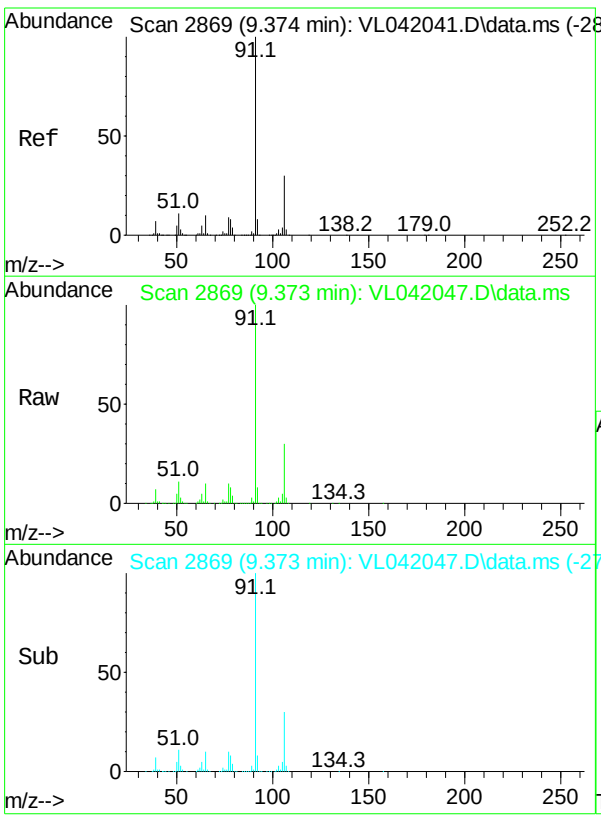
#57
Chlorobenzene
Concen: 11.957 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 494606

Ion	Ratio	Lower	Upper
112	100		
77	68.6	53.4	80.2
114	32.4	28.3	34.5

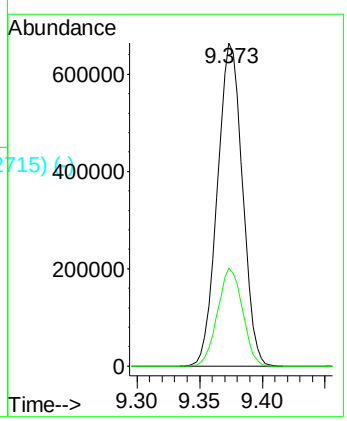


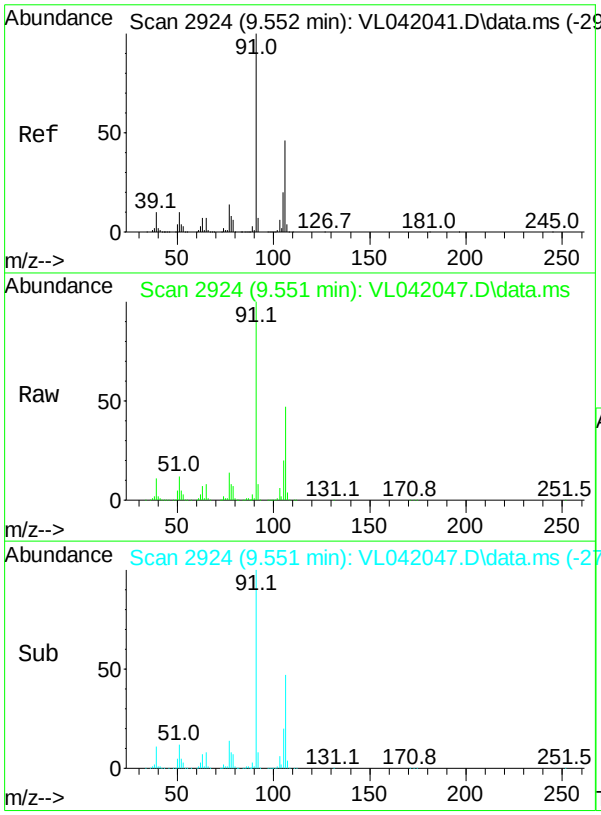


#58
Ethyl Benzene
Concen: 11.984 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 922265

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.2

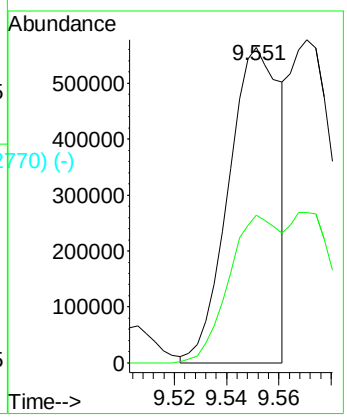




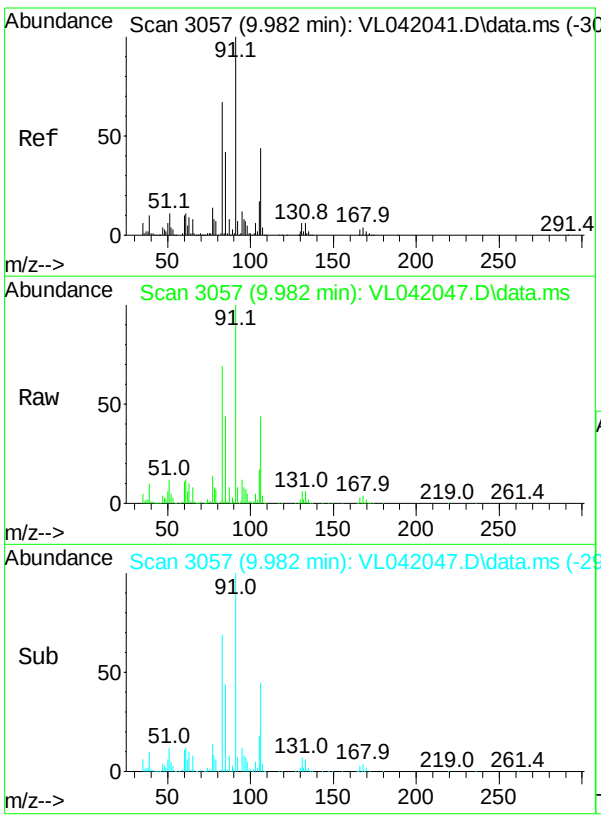
#59
m/p-Xylene
Concen: 12.703 ppbv
RT: 9.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 770010

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



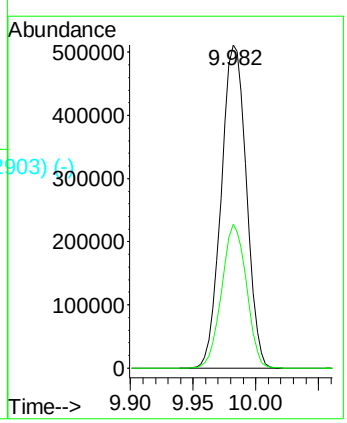
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



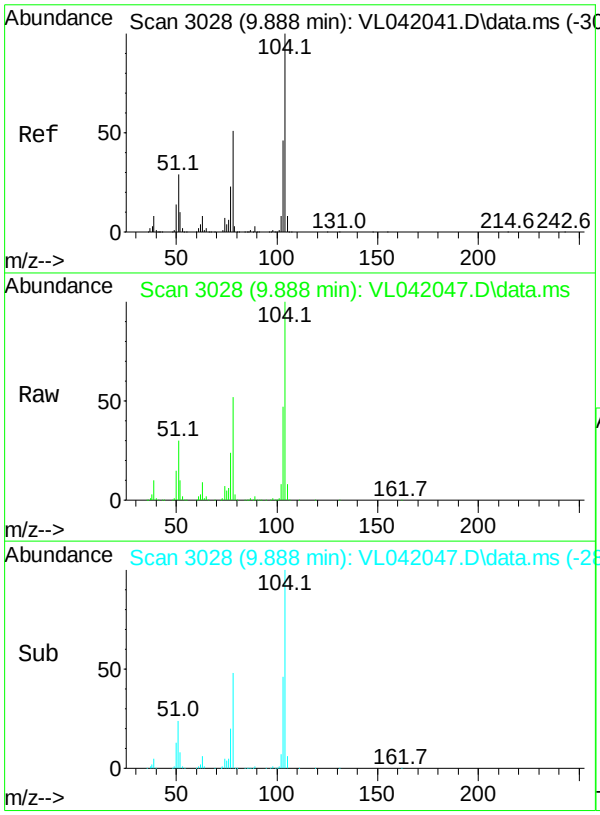
#60
o-Xylene
Concen: 11.626 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 712735

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.3	66.8



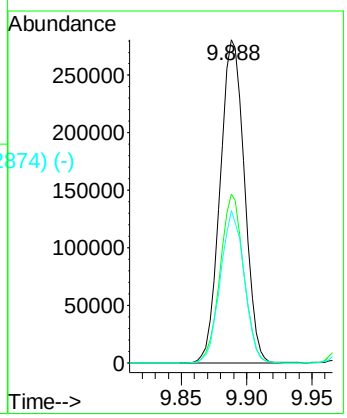
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

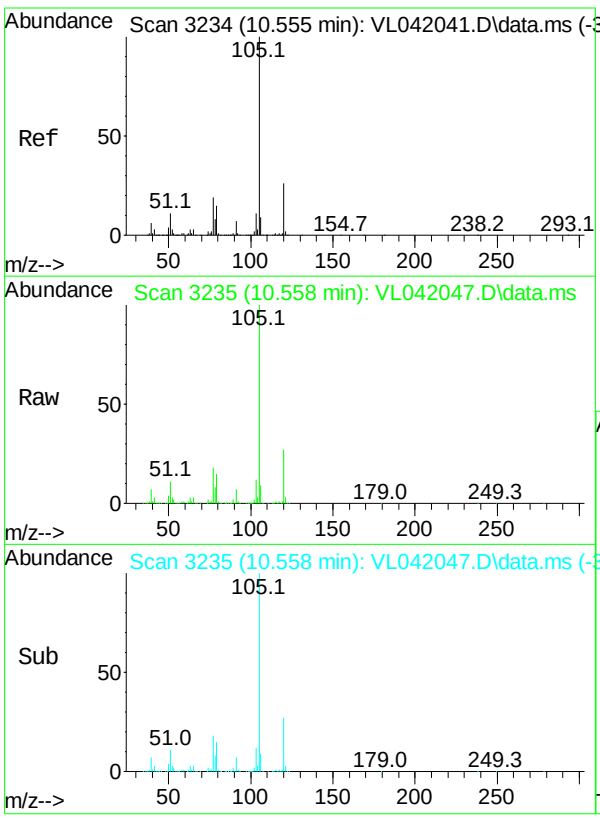


#61
Styrene
Concen: 12.446 ppbv
RT: 9.888 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:104 Resp: 363855

Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.0	61.4
103	46.2	37.0	55.6

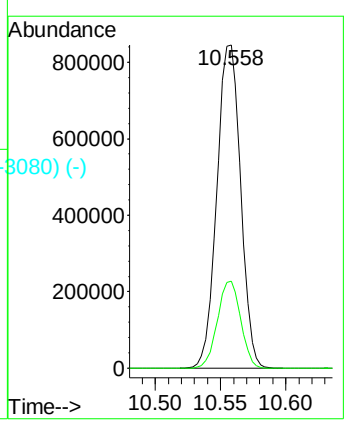


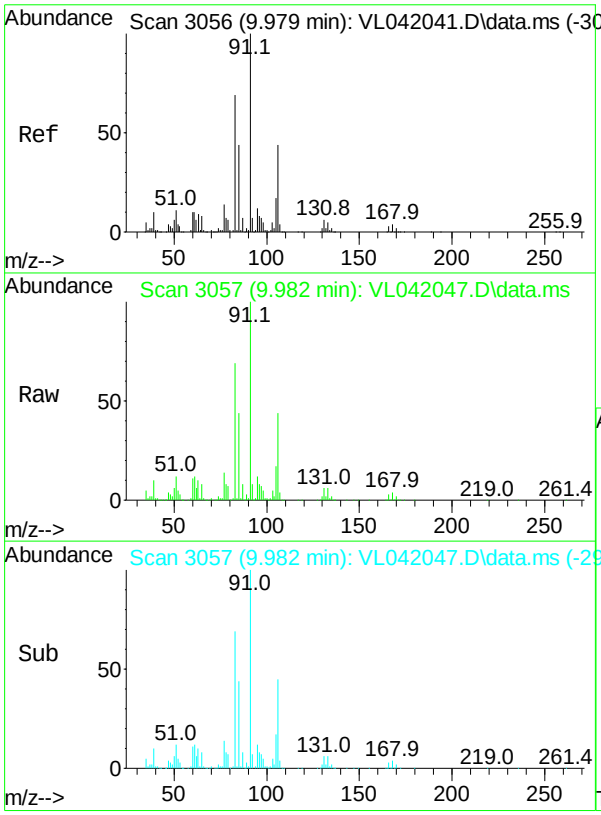


#62
Isopropylbenzene
Concen: 11.612 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 1068777

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.7	31.1

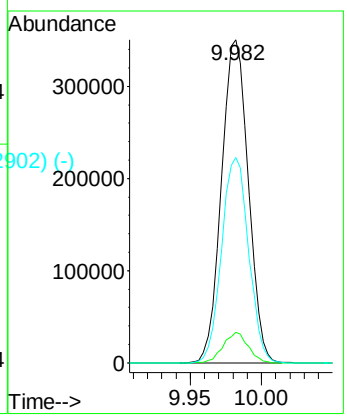




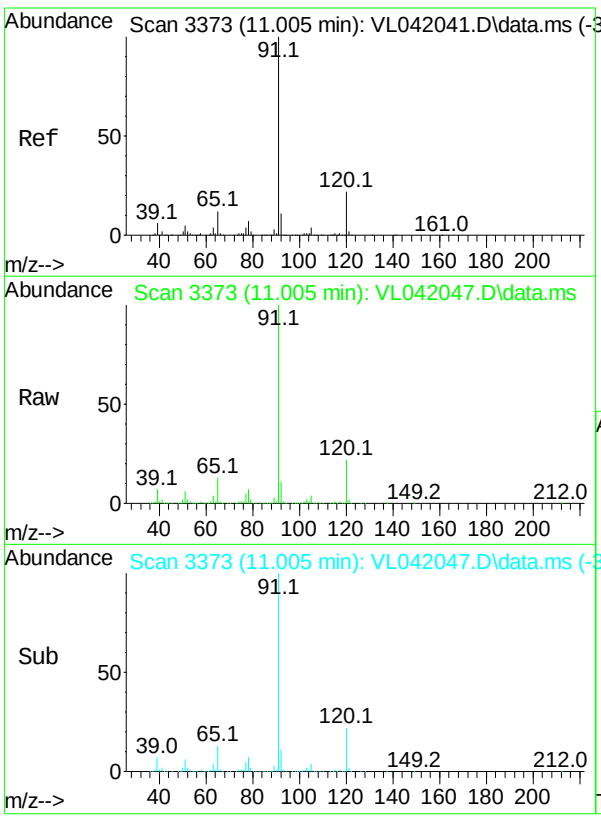
#63
1,1,2,2-Tetrachloroethar
Concen: 11.626 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 83 Resp: 459839

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.7
85	63.9	32.1	96.3



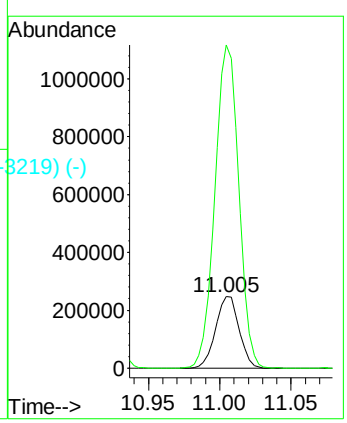
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

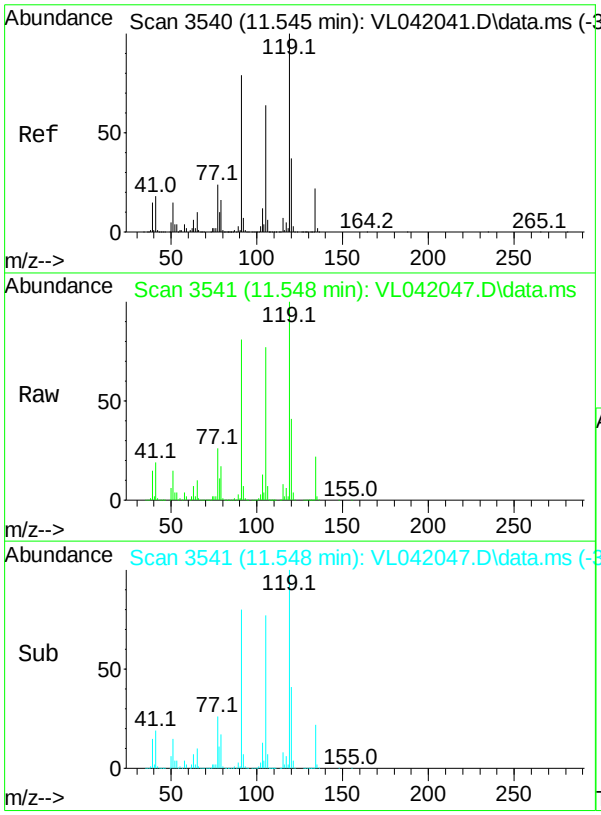


#64
n-propylbenzene
Concen: 12.486 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:120 Resp: 282364

Ion	Ratio	Lower	Upper
120	100		
91	460.6	370.6	556.0

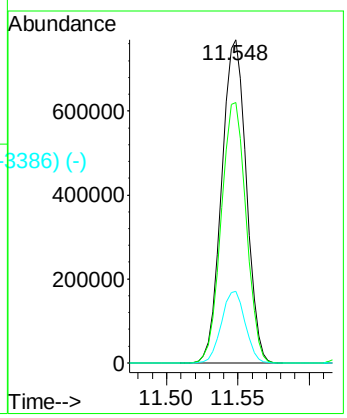


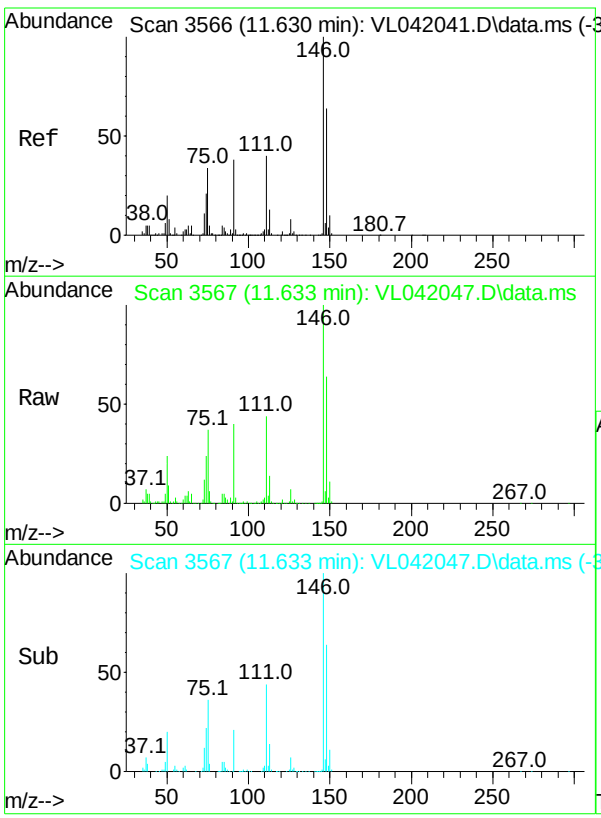


#65
tert-Butylbenzene
Concen: 11.526 ppbv
RT: 11.548 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:119 Resp: 924810

Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.2	96.2
134	21.4	17.4	26.2

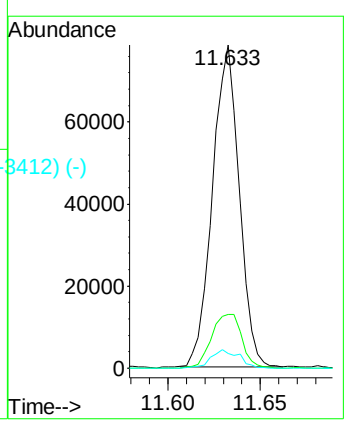




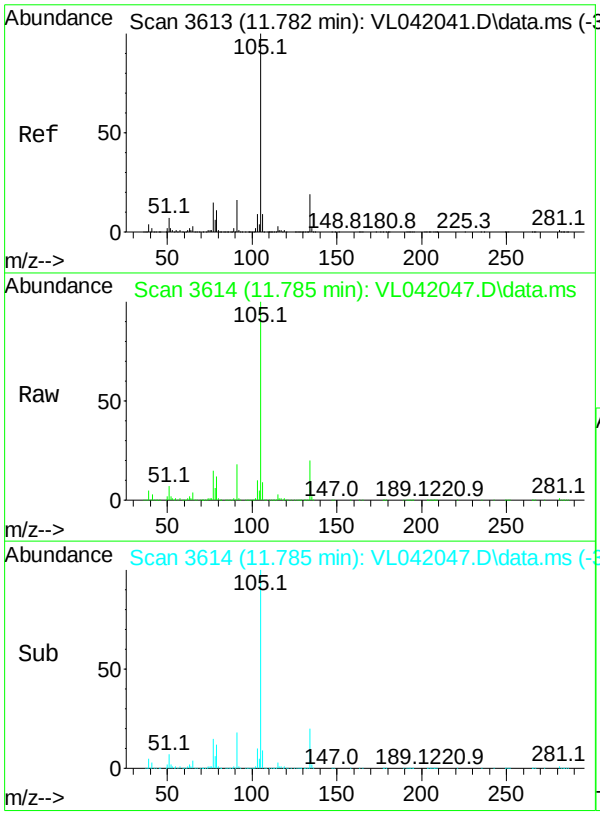
#66
Benzyl Chloride
Concen: 9.819 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 78975

Ion	Ratio	Lower	Upper
91	100		
126	19.0	14.5	21.7
128	6.0	5.4	8.2



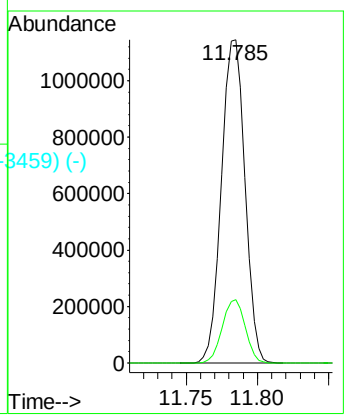
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



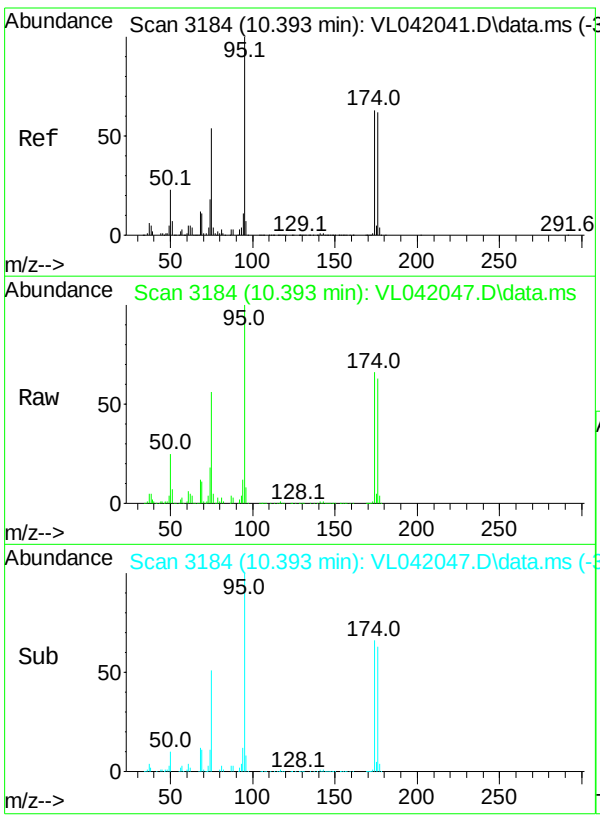
#67
sec-Butylbenzene
Concen: 11.674 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 1315730

Ion	Ratio	Lower	Upper
105	100		
134	19.2	14.9	22.3



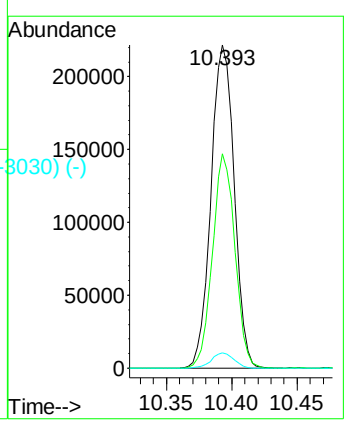
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

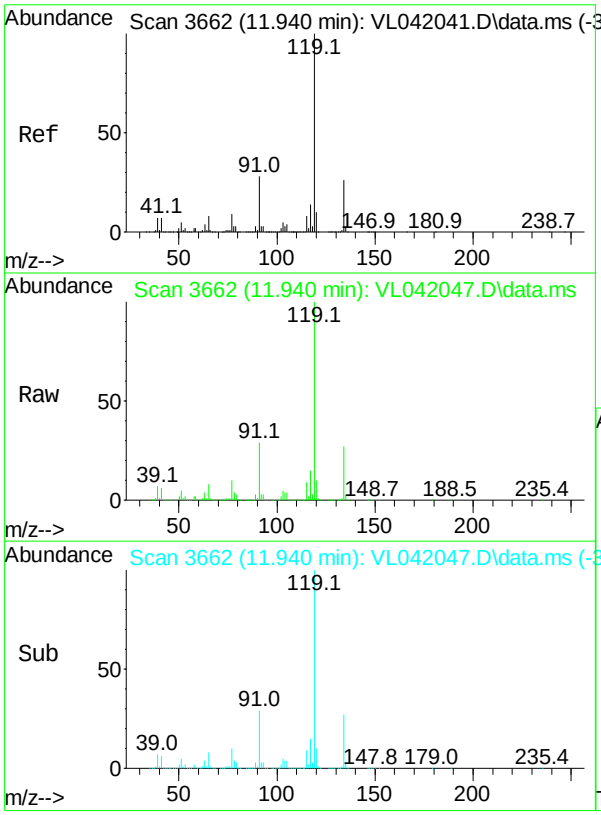


#68
1-Bromo-4-Fluorobenzene
Concen: 9.441 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 95 Resp: 273846

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.8	77.6
175	4.6	3.9	5.9

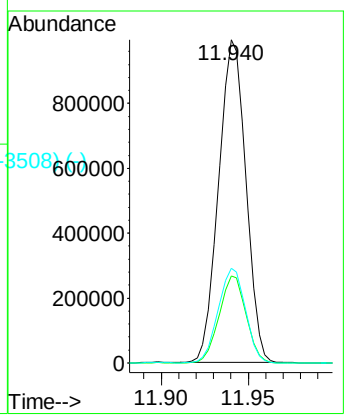


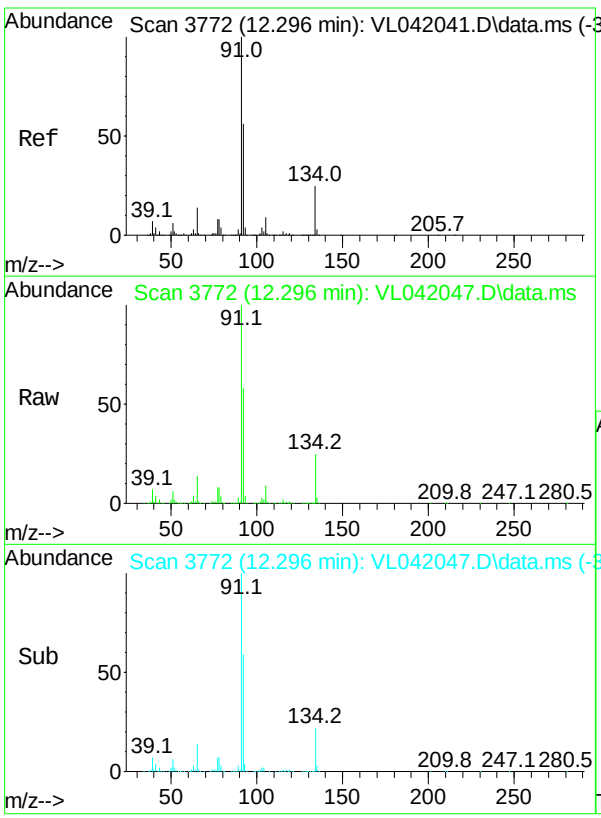


#69
p-Isopropyltoluene
Concen: 11.752 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:119 Resp: 1084253

Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.9	31.3
91	29.4	23.1	34.7

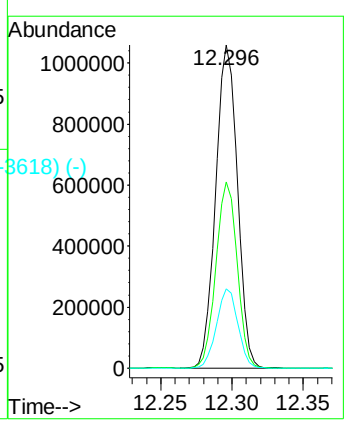




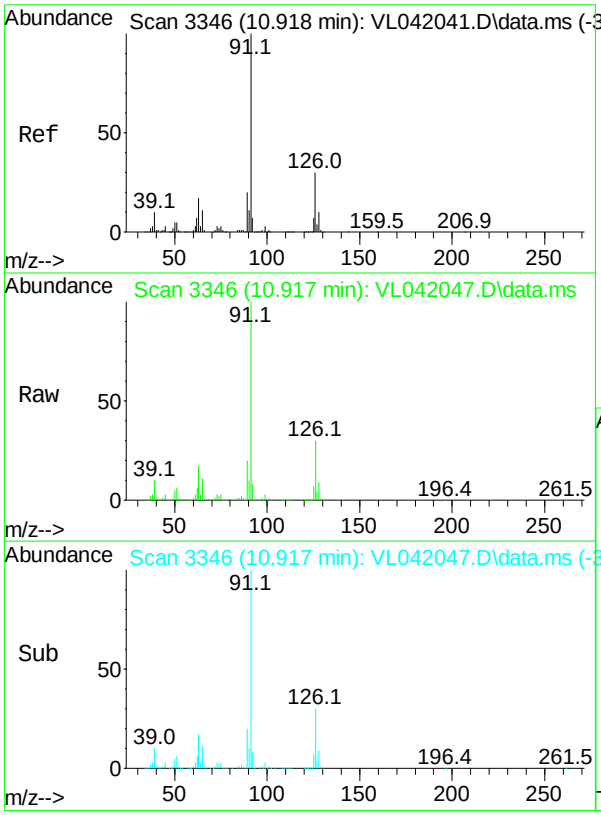
#70
n-Butylbenzene
Concen: 12.306 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 1118373

Ion	Ratio	Lower	Upper
91	100		
92	56.6	44.7	67.1
134	24.0	18.9	28.3



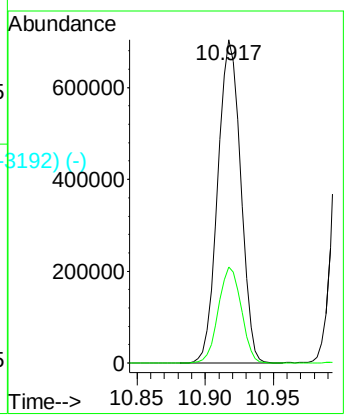
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

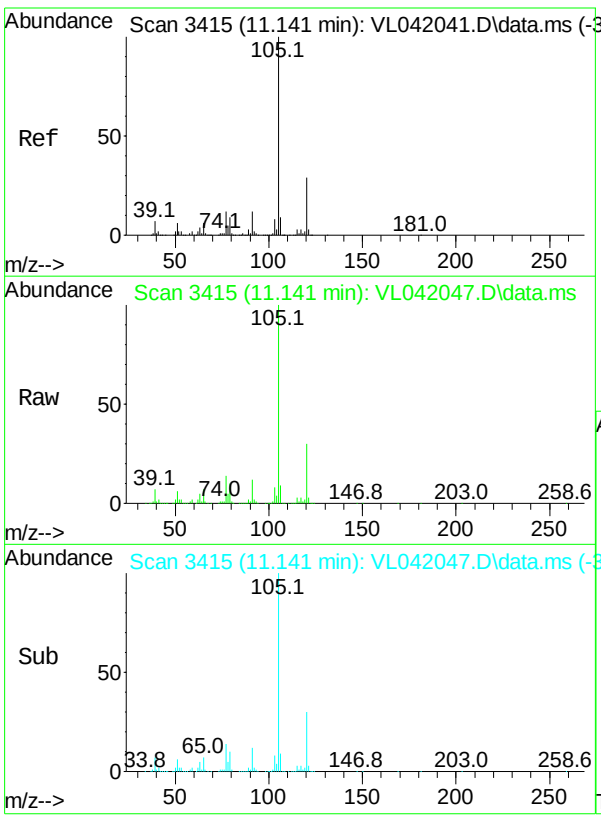


#71
2-Chlorotoluene
Concen: 11.804 ppbv
RT: 10.917 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 818204

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.9	47.5

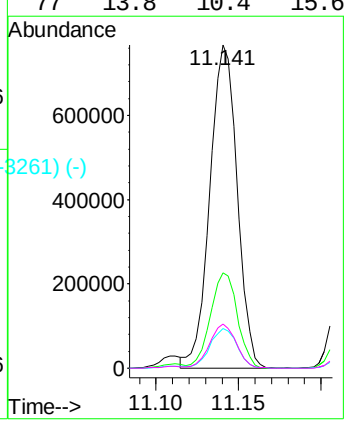




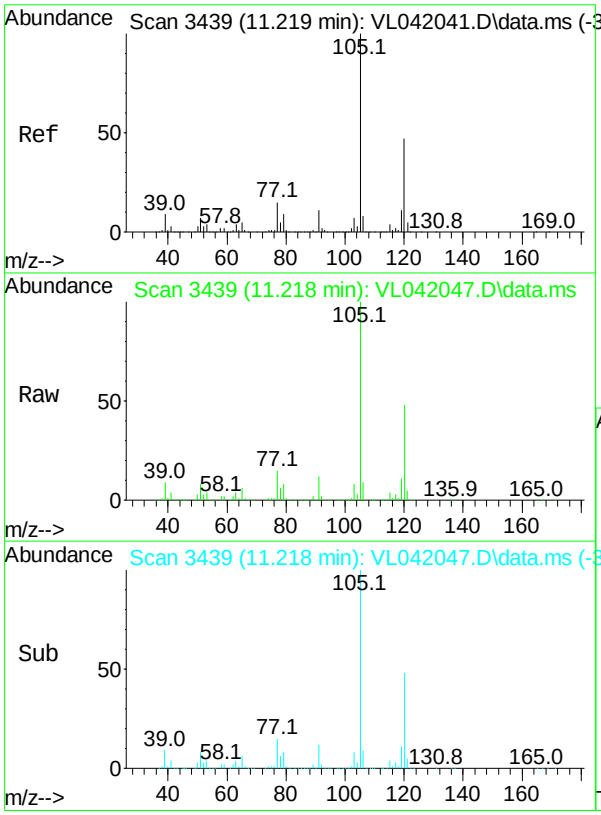
#72
4-Ethyltoluene
Concen: 12.264 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 880883

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.1	36.1
91	12.7	10.2	15.4
77	13.8	10.4	15.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

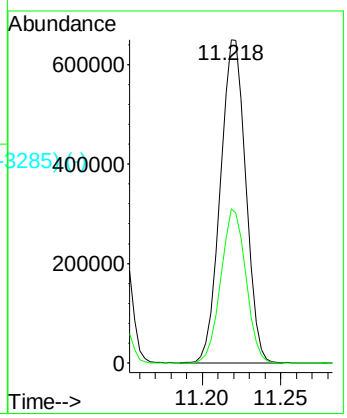


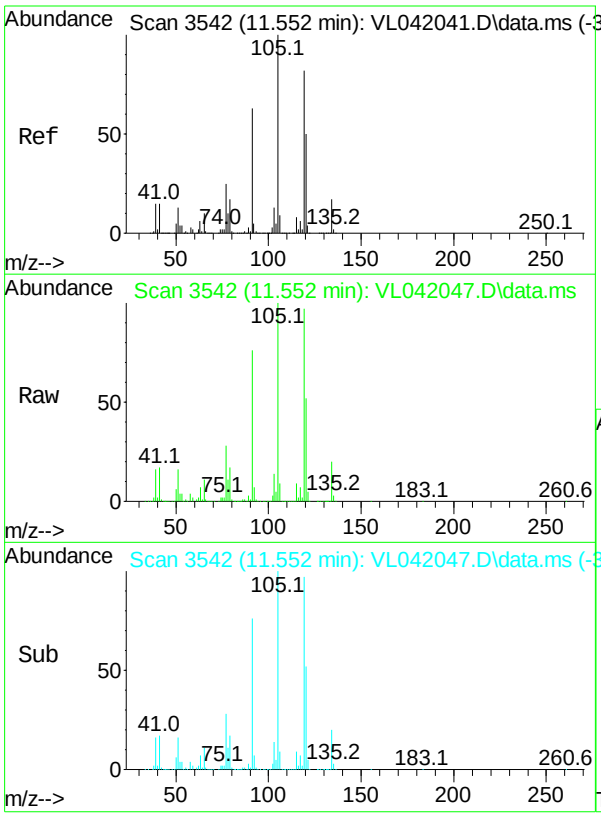
#73
1,3,5-Trimethylbenzene
Concen: 11.921 ppbv
RT: 11.218 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 738619

Ion	Ratio	Lower	Upper
105	100		
120	47.8	37.4	56.0

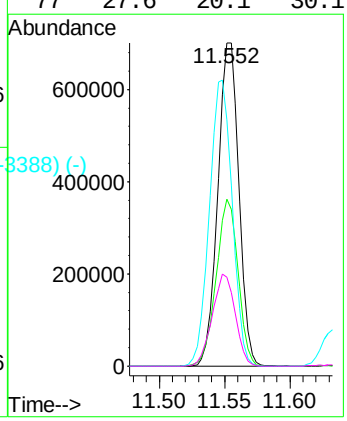


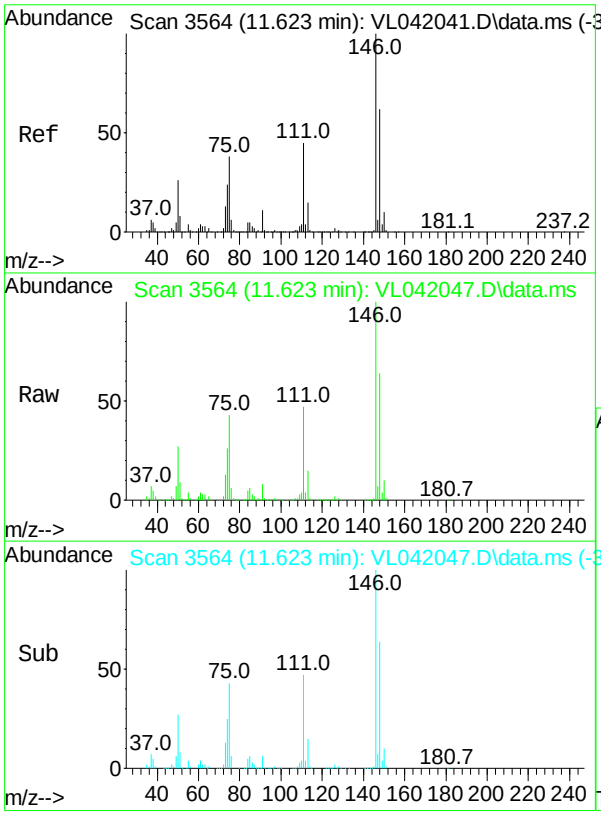


#74
1,2,4-Trimethylbenzene
Concen: 11.801 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 784701

Ion	Ratio	Lower	Upper
105	100		
120	51.6	40.2	60.2
91	76.3	51.4	77.2
77	27.6	20.1	30.1

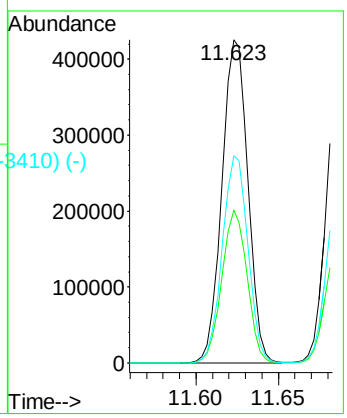


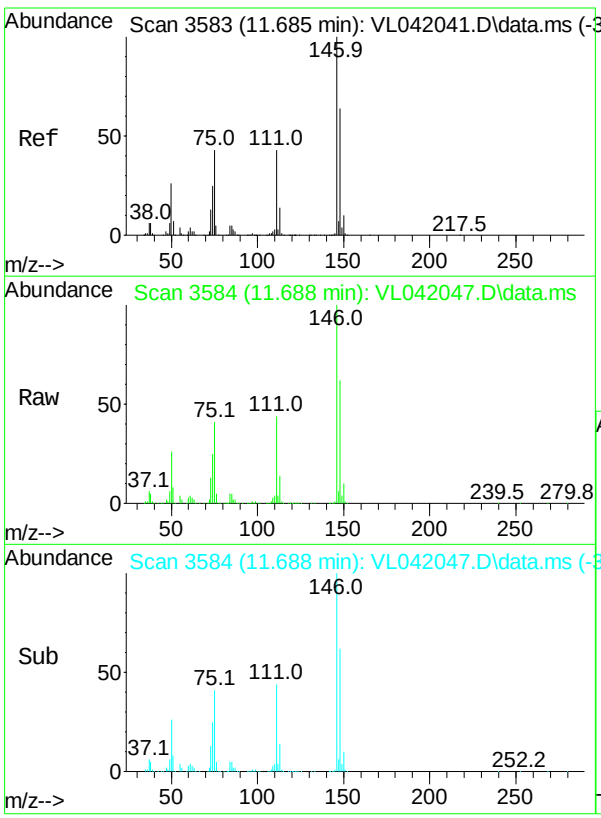


#75
1,3-Dichlorobenzene
Concen: 13.003 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:146 Resp: 465436

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.4	67.2
148	63.5	32.3	96.8

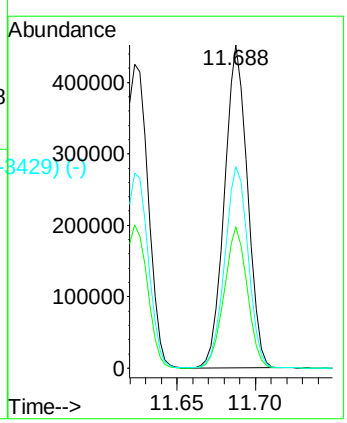




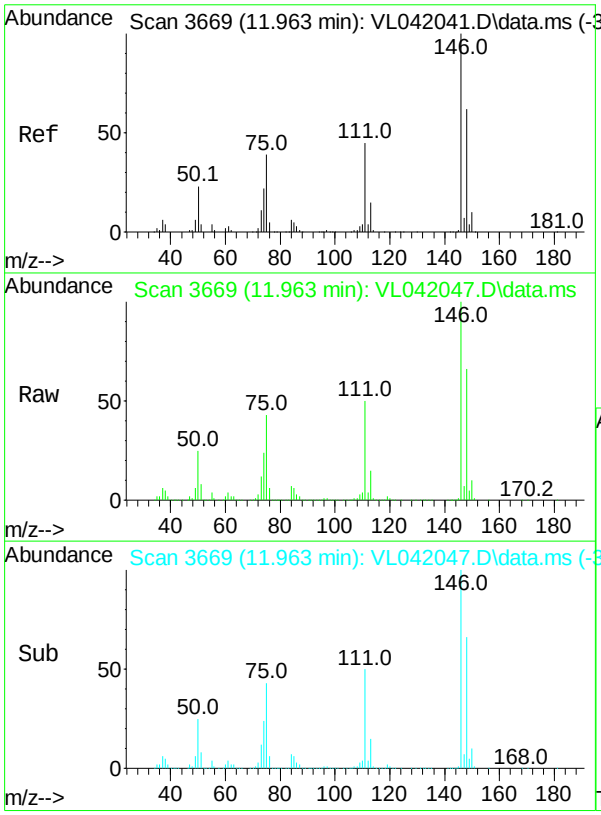
#76
1,4-Dichlorobenzene
Concen: 13.386 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:146 Resp: 467249

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	63.7	31.6	95.0



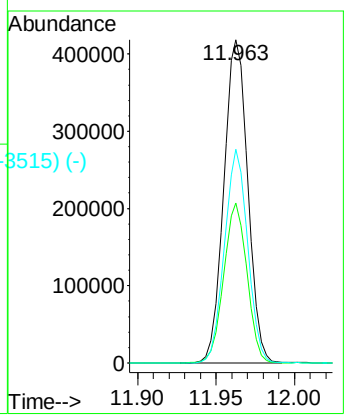
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



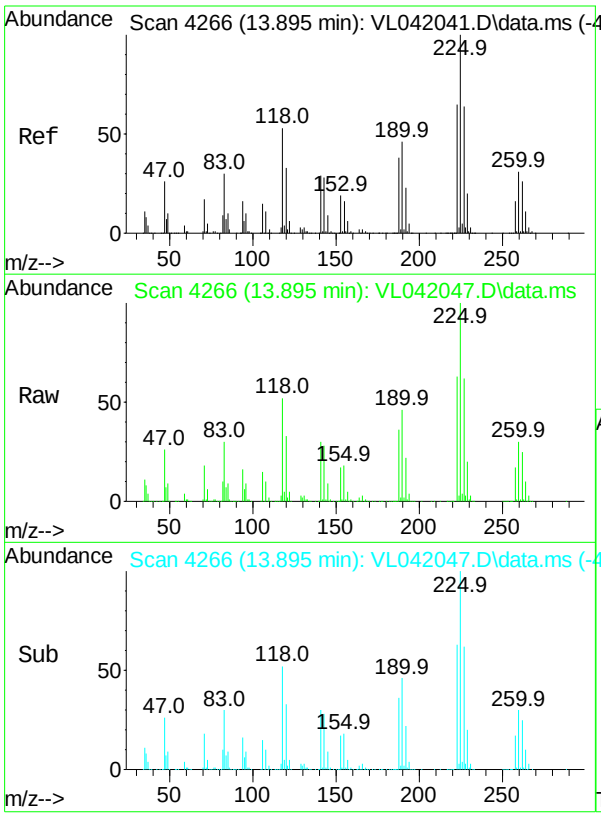
#57
1,2-Dichlorobenzene
Concen: 13.129 ppbv
RT: 11.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:146 Resp: 449222

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.2	69.6
148	64.0	31.4	94.2



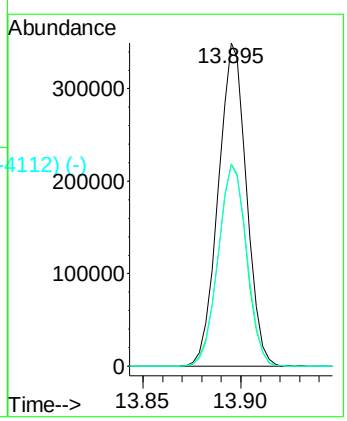
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



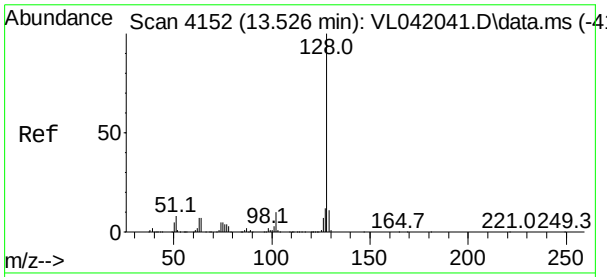
#58
Hexachloro-1,3-Butadiene
Concen: 12.403 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:225 Resp: 351085

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2
227	63.4	50.8	76.2



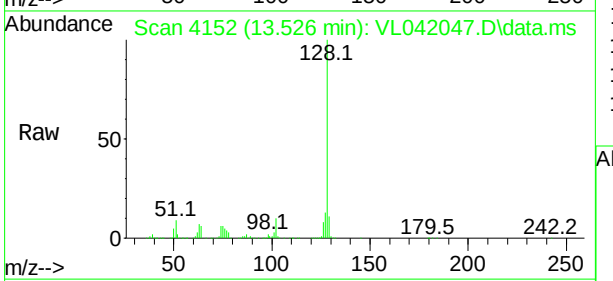
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

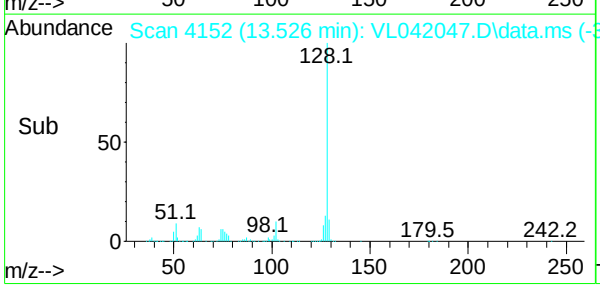


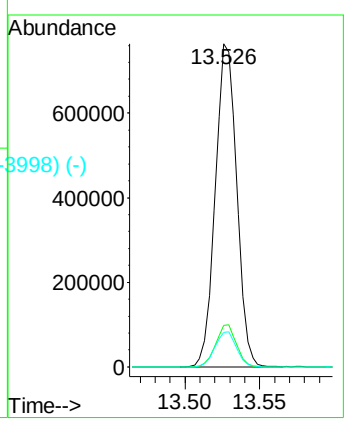
#79
Naphthalene
Concen: 11.696 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

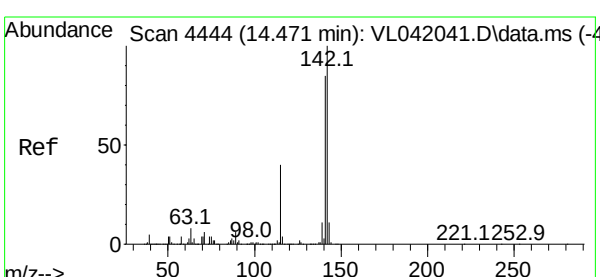
Tgt Ion:128 Resp: 764990

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.6
129	10.7	8.6	12.8





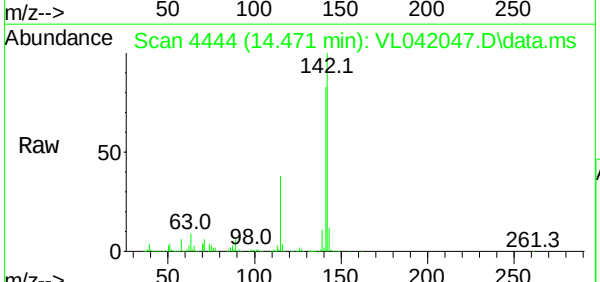


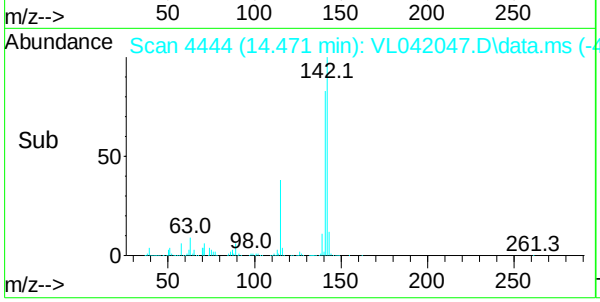


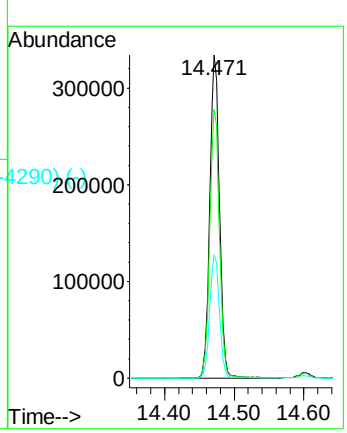
#80
Naphthalene,2-methyl-
Concen: 10.956 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

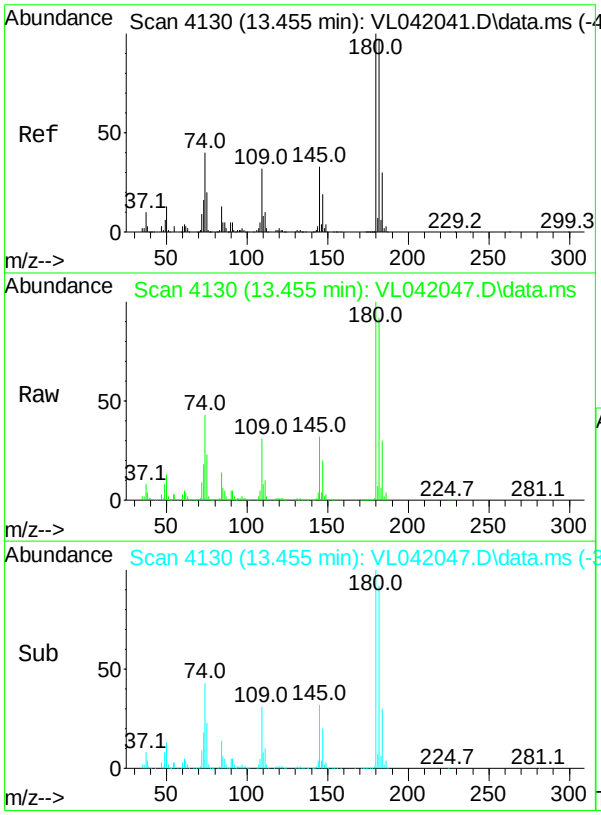
Tgt Ion:142 Resp: 324431

Ion	Ratio	Lower	Upper
142	100		
141	82.9	65.8	98.6
115	38.5	29.5	44.3





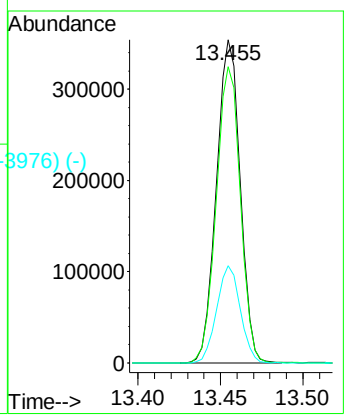




#81
1,2,4-Trichlorobenzene
Concen: 13.351 ppbv
RT: 13.455 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:180 Resp: 354990

Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.1	112.7
184	29.9	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	158881	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	406520	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	350262	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	274527	10.188	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	158709	9.606	ppbv		99
3) Chlorodifluoromethane	1.479	51	219646	9.512	ppbv		100
4) Chloromethane	1.537	50	54628	8.941	ppbv		100
5) Vinyl Chloride	1.586	62	52672	9.114	ppbv		98
6) Bromomethane	1.673	94	25374	9.221	ppbv		100
7) Chloroethane	1.709	64	22174	9.443	ppbv	#	87
8) Dichlorotetrafluoroethane	1.560	85	127046	9.354	ppbv		100
9) Propene	1.489	41	90844	9.657	ppbv		96
10) Heptane	5.010	43	269133	9.188	ppbv		99
11) Trichlorofluoromethane	1.884	101	156871	9.476	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.149	101	115089	8.715	ppbv		99
13) Ethanol	1.728	45	2630	4.404	ppbv		98
14) Bromoethene	1.790	108	43546	9.338	ppbv		98
15) Acetone	1.842	43	118697	8.460	ppbv		97
16) 1,3-Butadiene	1.615	39	61603	9.434	ppbv		98
17) tert-Butyl alcohol	2.049	59	154116	8.779	ppbv		98
18) 1,1-Dichloroethene	2.042	96	51973	8.711	ppbv		98
19) Isopropyl Alcohol	1.894	45	69546	8.629	ppbv		96
20) Methylene Chloride	2.072	84	42028	7.919	ppbv		96
21) Allyl Chloride	2.104	41	90745	8.951	ppbv		98
22) trans-1,2-Dichloroethene	2.350	96	59140	8.502	ppbv		98
23) Vinyl Acetate	2.476	43	93605	9.488	ppbv	#	98
24) 1,1-Dichloroethane	2.421	63	112869	8.721	ppbv		100
25) Ethyl Acetate	2.852	43	533113	9.492	ppbv		99
26) Hexane	2.839	57	208955	9.203	ppbv		97
27) Carbon Disulfide	2.159	76	138176	8.978	ppbv		97
28) Methyl tert-Butyl Ether	2.453	73	94554	8.365	ppbv		100
29) Chloroform	2.865	83	281191	9.202	ppbv		97
30) Cyclohexane	3.878	84	168830	9.161	ppbv		94
31) cis-1,2-Dichloroethene	2.735	61	199564	9.285	ppbv		99
32) 1,1,1-Trichloroethane	3.386	97	278512	9.396	ppbv		98
34) 2-Butanone	2.570	43	308064	9.727	ppbv		97
35) Carbon Tetrachloride	3.784	117	276599	9.867	ppbv		98
36) Benzene	3.677	78	399804	9.395	ppbv		98
37) 1,2-Dichloroethane	3.233	62	223946	9.491	ppbv		99
38) Trichloroethene	4.573	130	156488	9.005	ppbv		96
39) 1,2-Dichloropropane	4.340	63	152063	9.414	ppbv		97
40) 1,4-Dioxane	4.616	88	65010	8.817	ppbv	#	98
41) Tetrahydrofuran	3.072	42	181453	9.696	ppbv		99
42) Bromodichloromethane	4.512	83	305385	9.606	ppbv		97
43) Methyl Methacrylate	4.910	69	160954	9.685	ppbv		95
44) 2,2,4-Trimethylpentane	4.667	57	712051	9.480	ppbv		99
45) t-1,3-Dichloropropene	6.447	75	159680	9.671	ppbv		90

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	206836	9.680	ppbv		96
47) 1,1,2-Trichloroethane	6.613	97	148220	9.039	ppbv		95
48) Dibromochloromethane	7.412	129	241593	9.407	ppbv		100
49) Bromoform	9.503	173	210370	9.432	ppbv		98
50) 4-Methyl-2-Pentanone	5.790	43	431123	10.526	ppbv		98
51) 2-Hexanone	7.464	43	354515	12.576	ppbv	#	100
52) Tetrachloroethene	8.247	164	134062	9.202	ppbv		97
53) Toluene	6.962	91	448495	9.430	ppbv		98
54) 1,2-Dibromoethane	7.677	107	206335	9.307	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.946	131	182800	9.234	ppbv		99
57) Chlorobenzene	8.943	112	334696	9.216	ppbv		99
58) Ethyl Benzene	9.377	91	613622	9.513	ppbv		99
59) m/p-Xylene	9.551	91	505100	9.840	ppbv	#	100
60) o-Xylene	9.985	91	481683	9.334	ppbv		100
61) Styrene	9.891	104	241617	9.959	ppbv		99
62) Isopropylbenzene	10.558	105	729350	9.437	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.982	83	312794	9.204	ppbv		99
64) n-propylbenzene	11.008	120	192704	9.506	ppbv		99
65) tert-Butylbenzene	11.548	119	632202	8.988	ppbv		100
66) Benzyl Chloride	11.633	91	52645	9.808	ppbv		98
67) sec-Butylbenzene	11.785	105	914405	9.090	ppbv		99
69) p-Isopropyltoluene	11.940	119	753761	9.418	ppbv		100
70) n-Butylbenzene	12.296	91	781034	9.560	ppbv		99
71) 2-Chlorotoluene	10.917	91	559993	9.399	ppbv		100
72) 4-Ethyltoluene	11.144	105	602156	9.557	ppbv		99
73) 1,3,5-Trimethylbenzene	11.222	105	505451	9.248	ppbv		100
74) 1,2,4-Trimethylbenzene	11.555	105	547176	8.891	ppbv		95
75) 1,3-Dichlorobenzene	11.623	146	324491	9.161	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	322712	9.176	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	312159	9.081	ppbv		99
78) Hexachloro-1,3-Butadiene	13.895	225	228480	8.543	ppbv		99
79) Naphthalene	13.529	128	513148	12.160	ppbv		98
80) Naphthalene,2-methyl-	14.474	142	198077	17.152	ppbv		98
81) 1,2,4-Trichlorobenzene	13.455	180	234354	9.965	ppbv		97

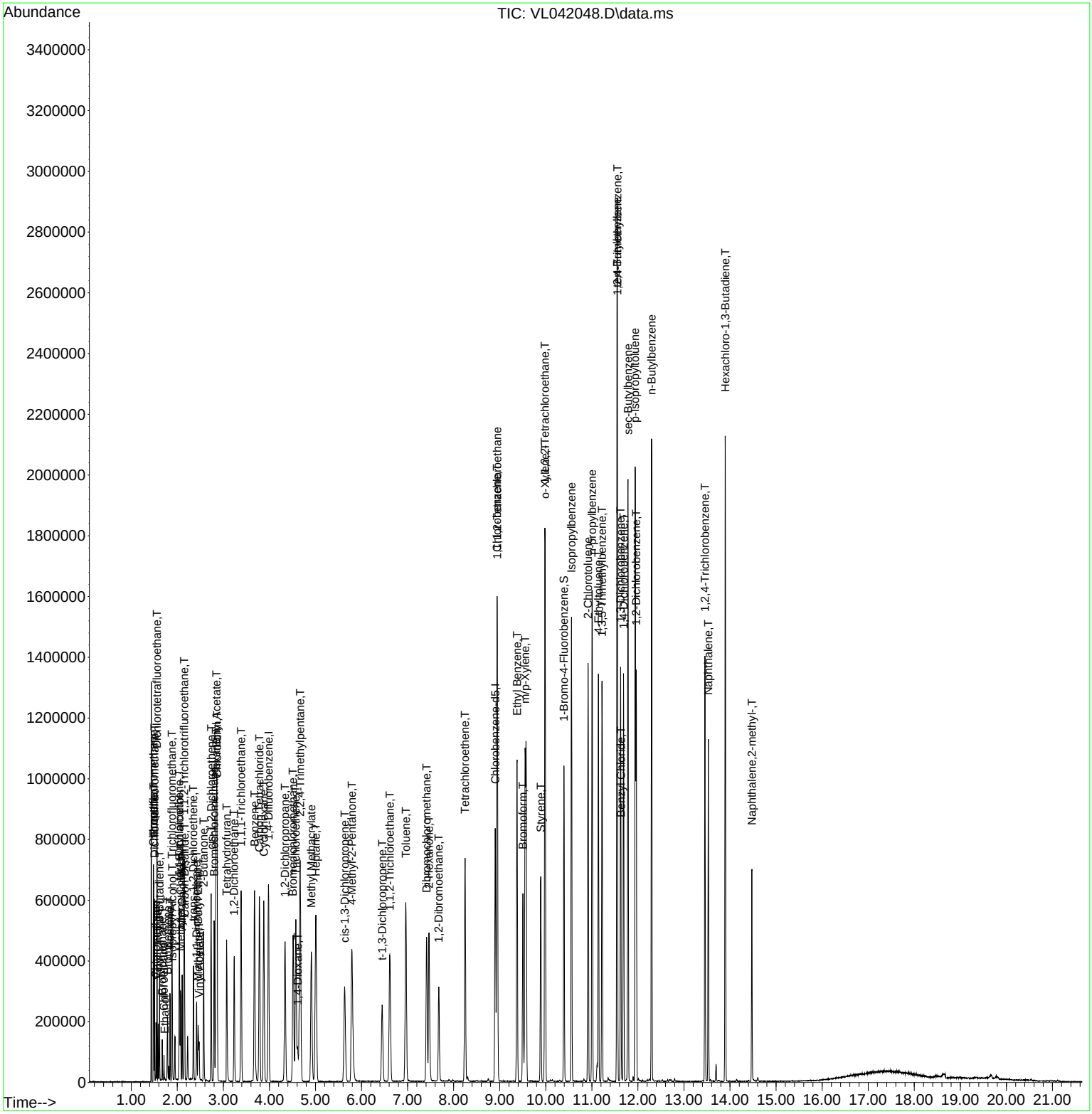
(#) = qualifier out of range (m) = manual integration (+) = signals summed

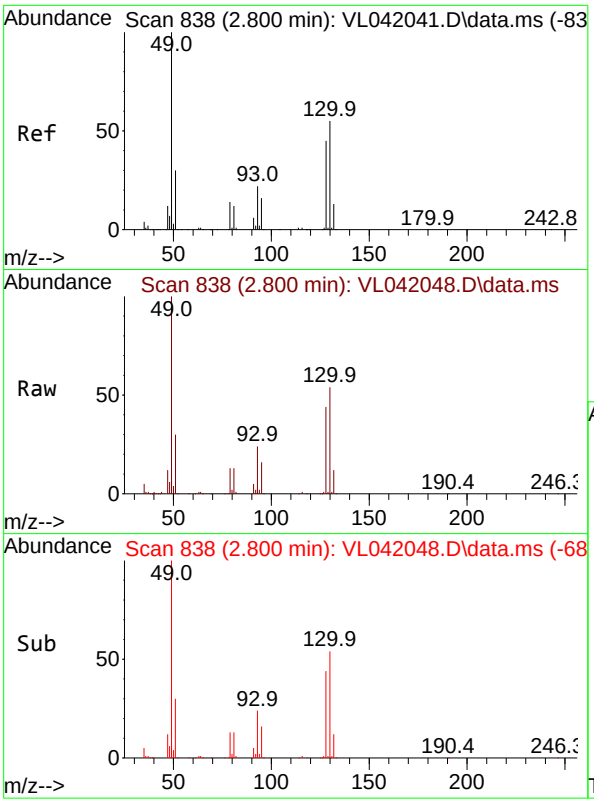
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



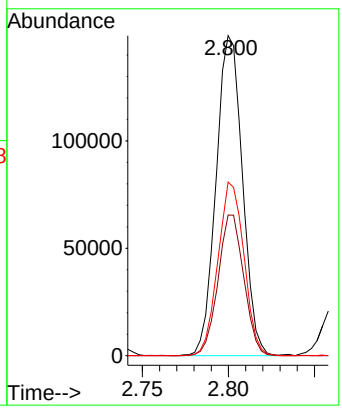


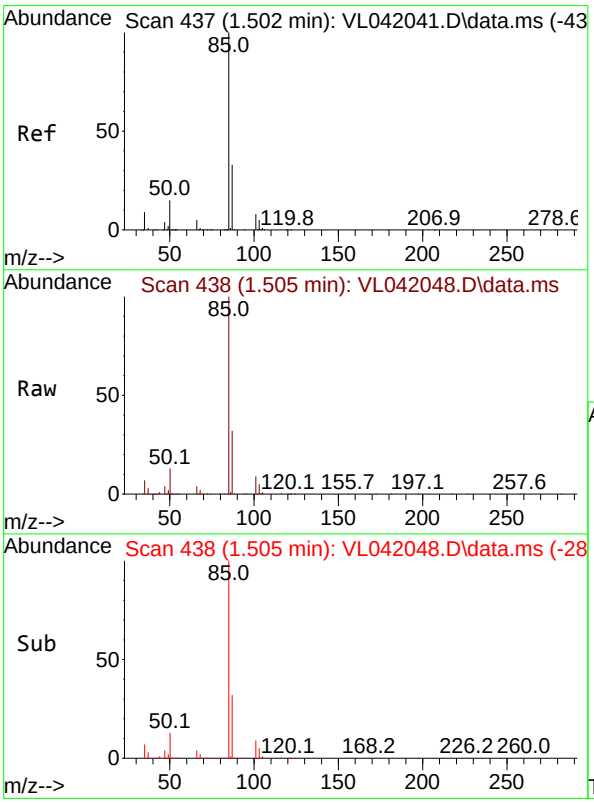
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 49 Resp: 158881

Ion	Ratio	Lower	Upper
49	100		
128	43.0	21.6	64.8
130	53.4	27.8	83.4

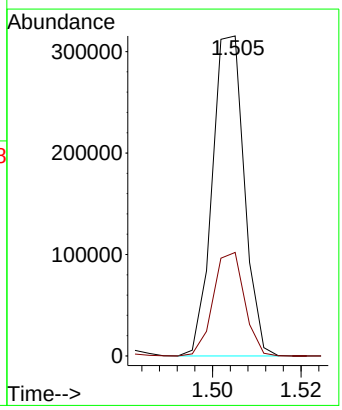


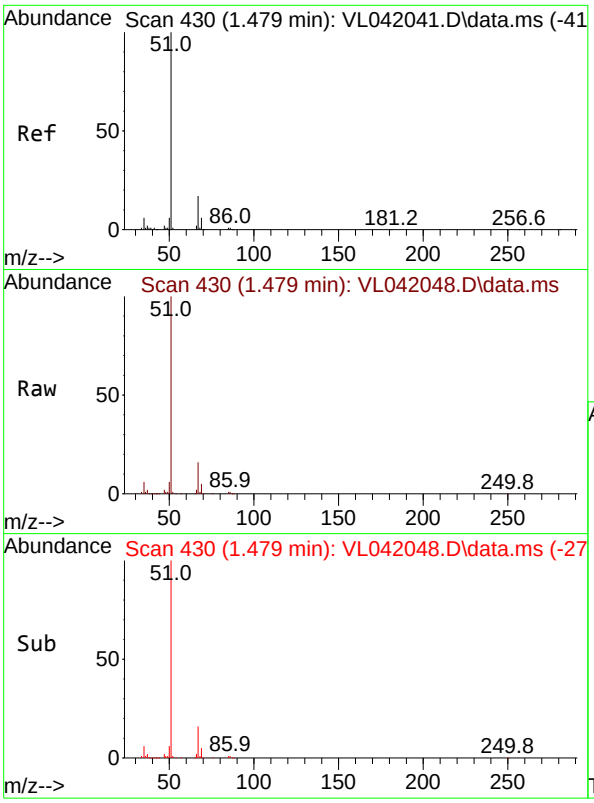


#2
Dichlorodifluoromethane
Concen: 9.606 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 85 Resp: 158709

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.4	39.6



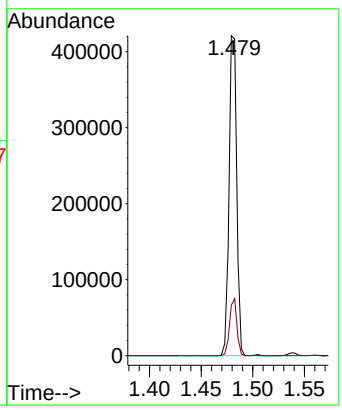


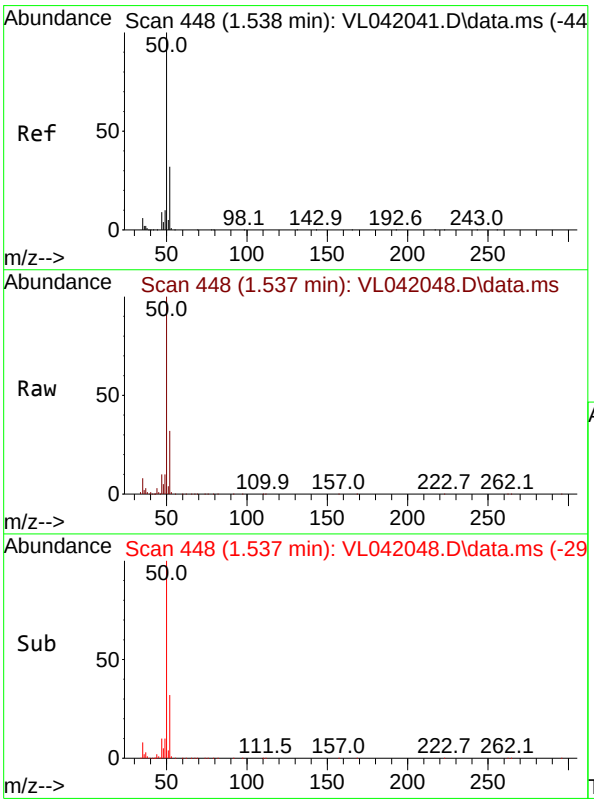
#3
Chlorodifluoromethane
Concen: 9.512 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 51 Resp: 219646

Ion	Ratio	Lower	Upper
51	100		
67	16.9	13.7	20.5

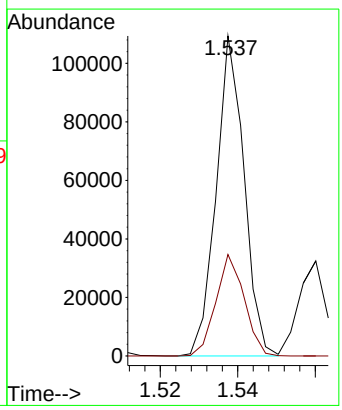


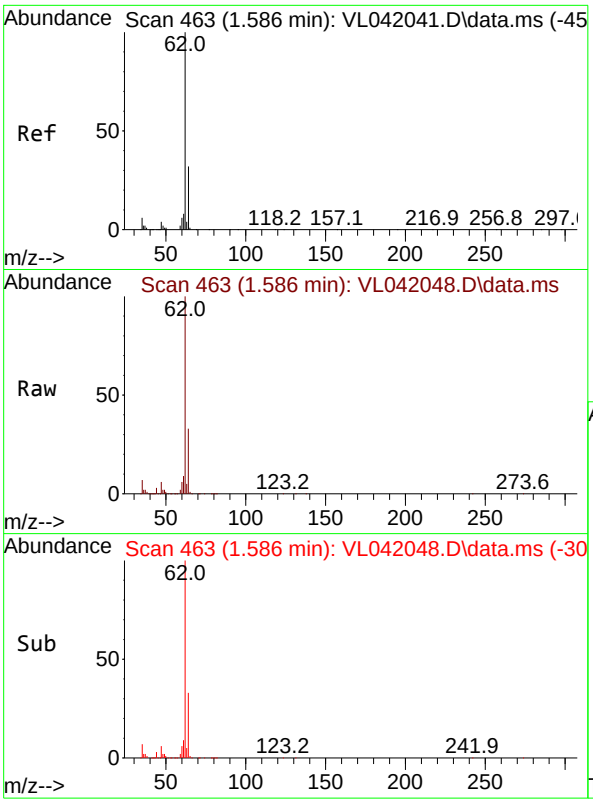


#4
Chloromethane
Concen: 8.941 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 50 Resp: 54628

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.4	38.0



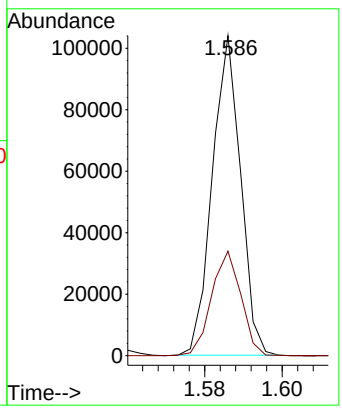


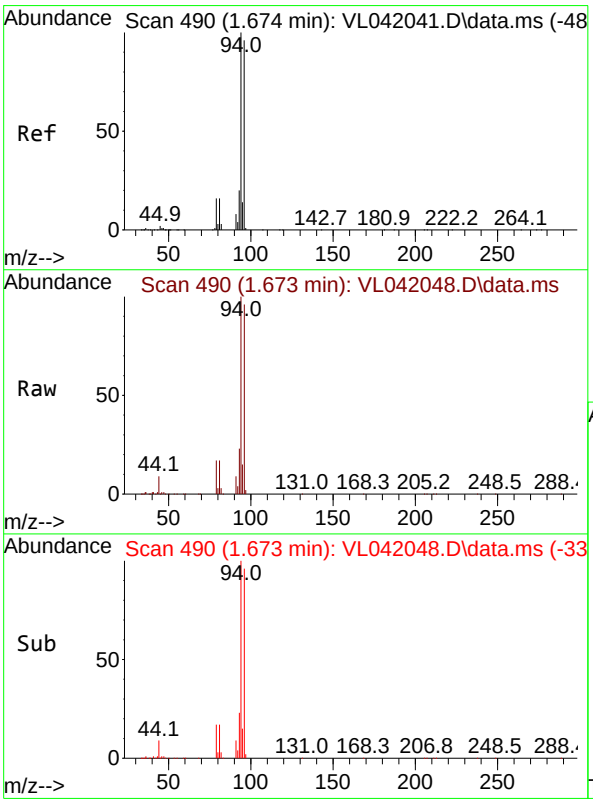
#5
Vinyl Chloride
Concen: 9.114 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 62 Resp: 52672

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.3	37.9

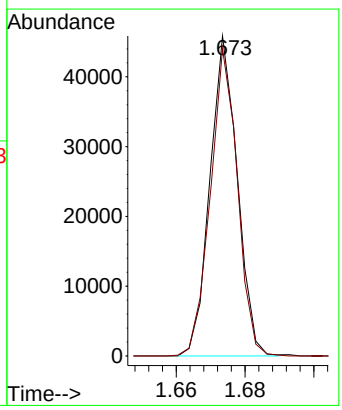


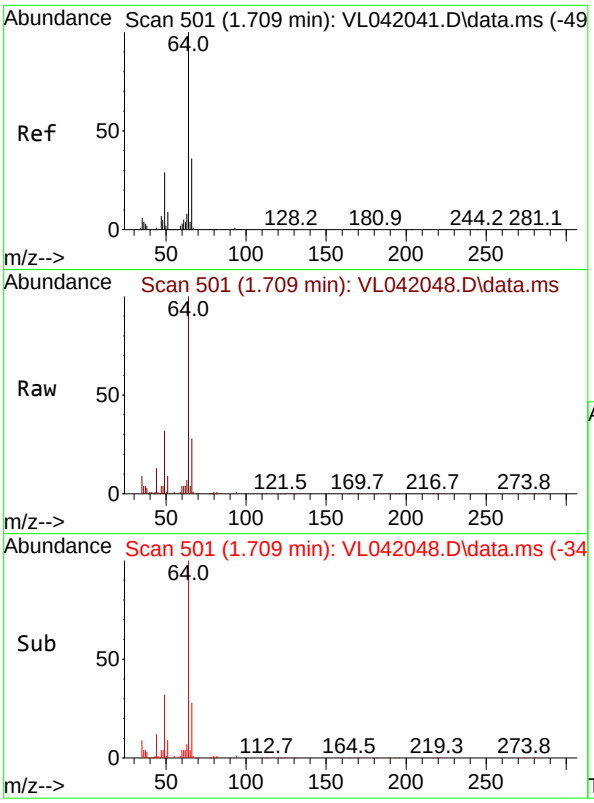


#6
Bromomethane
Concen: 9.221 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 94 Resp: 25374

Ion	Ratio	Lower	Upper
94	100		
96	96.0	76.5	114.7



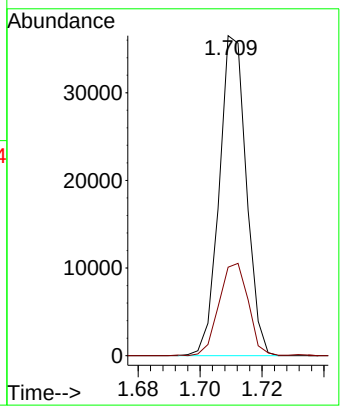


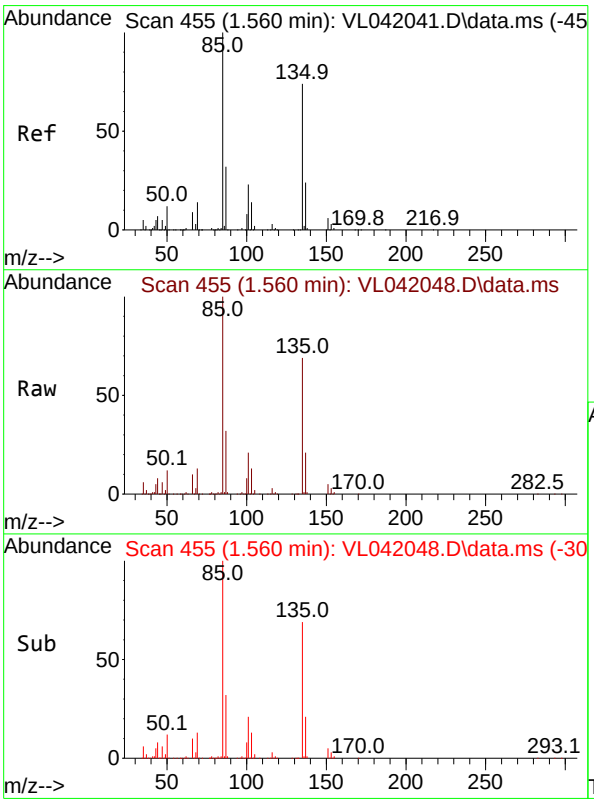
#7
Chloroethane
Concen: 9.443 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 64 Resp: 22174

Ion	Ratio	Lower	Upper
64	100		
66	27.6	28.4	42.6#

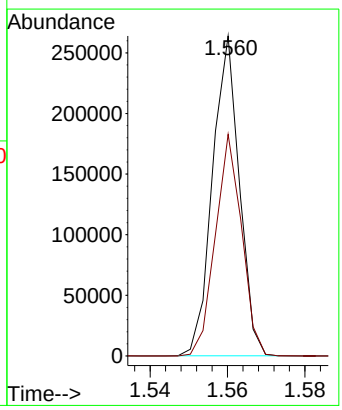


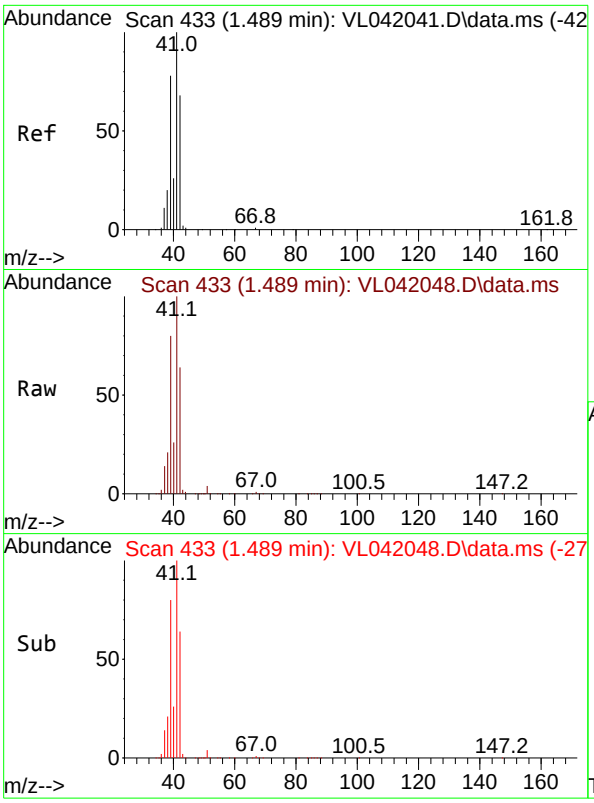


#8
Dichlorotetrafluoroethane
Concen: 9.354 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 85 Resp: 127046

Ion	Ratio	Lower	Upper
85	100		
135	68.0	54.6	81.8



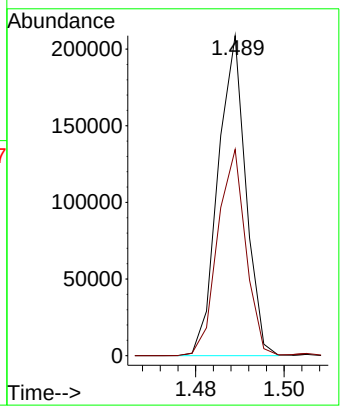


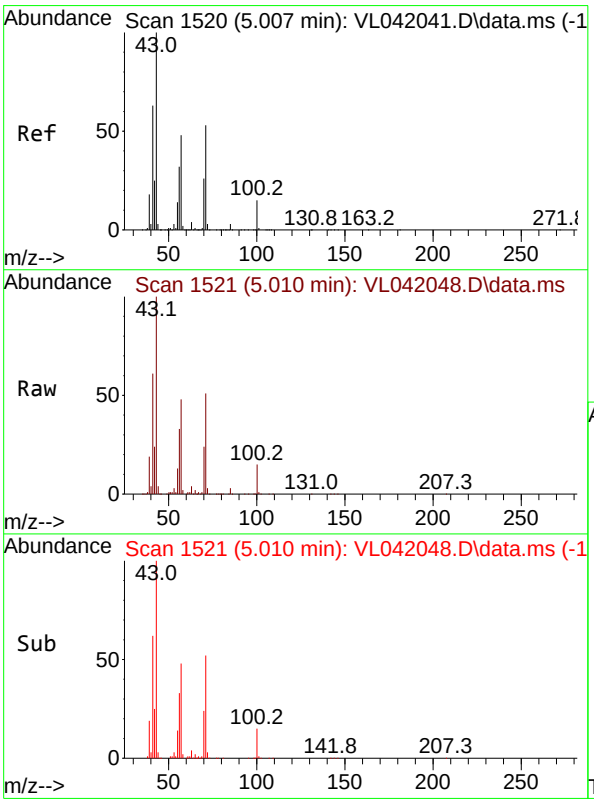
#9
Propene
Concen: 9.657 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 41 Resp: 90844

Ion	Ratio	Lower	Upper
41	100		
42	66.2	55.8	83.6

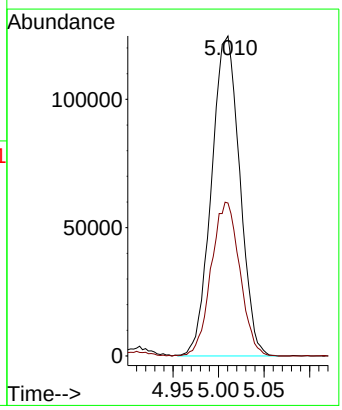


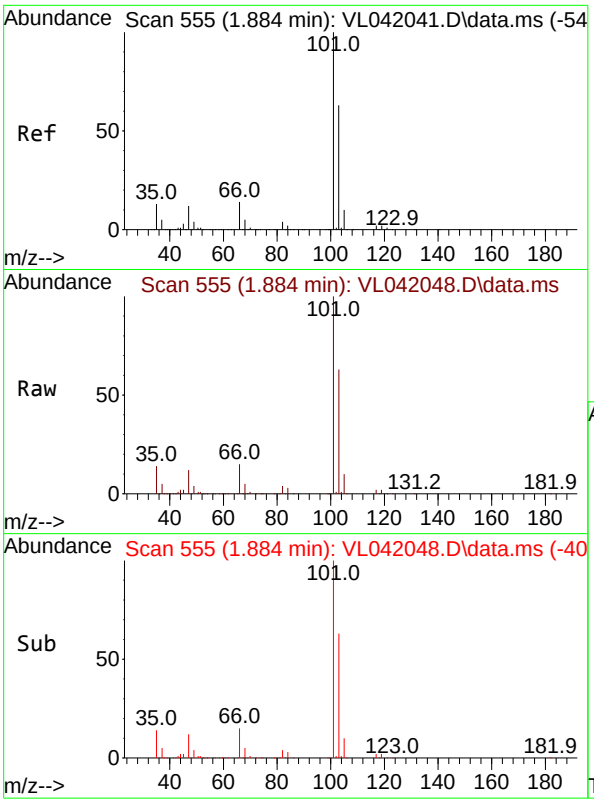


#10
Heptane
Concen: 9.188 ppbv
RT: 5.010 min Scan# 1521
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 269133

Ion	Ratio	Lower	Upper
43	100		
57	48.6	39.4	59.0



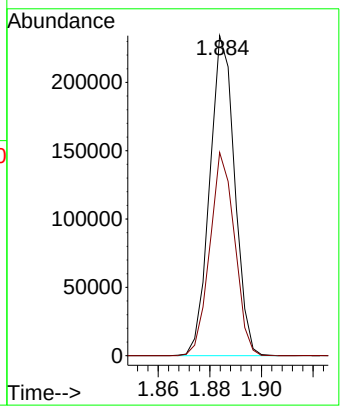


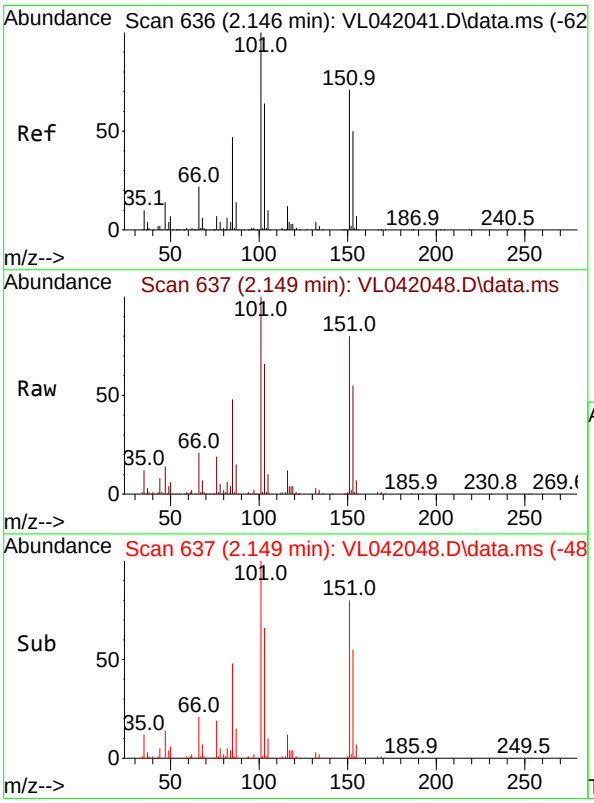
#11
Trichlorofluoromethane
Concen: 9.476 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:101 Resp: 156871

Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.6	75.8

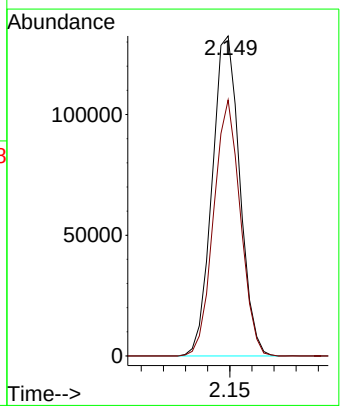


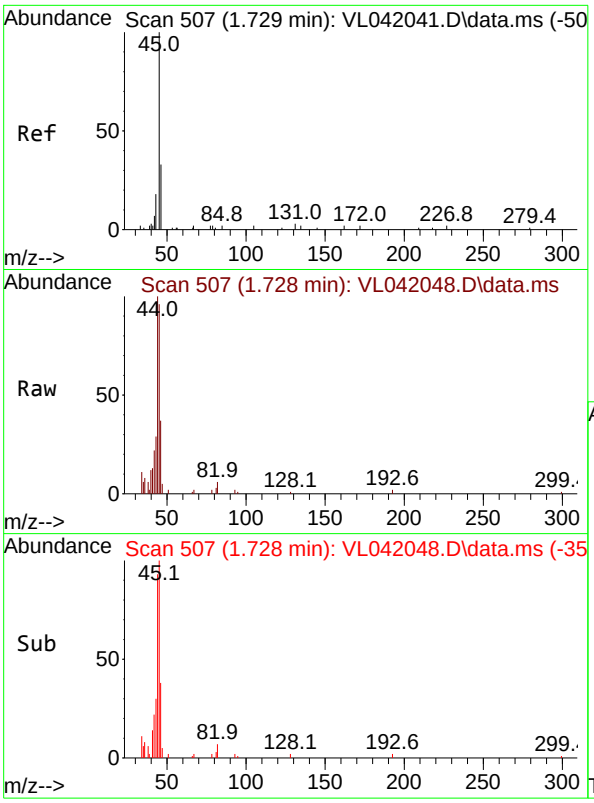


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:101 Resp: 115089

Ion	Ratio	Lower	Upper
101	100		
151	77.3	62.6	94.0



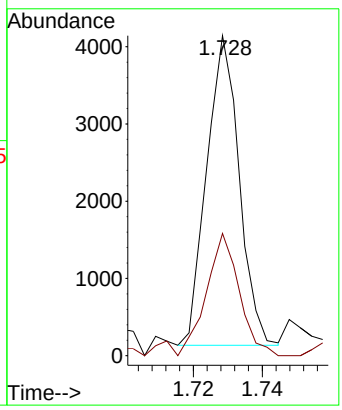


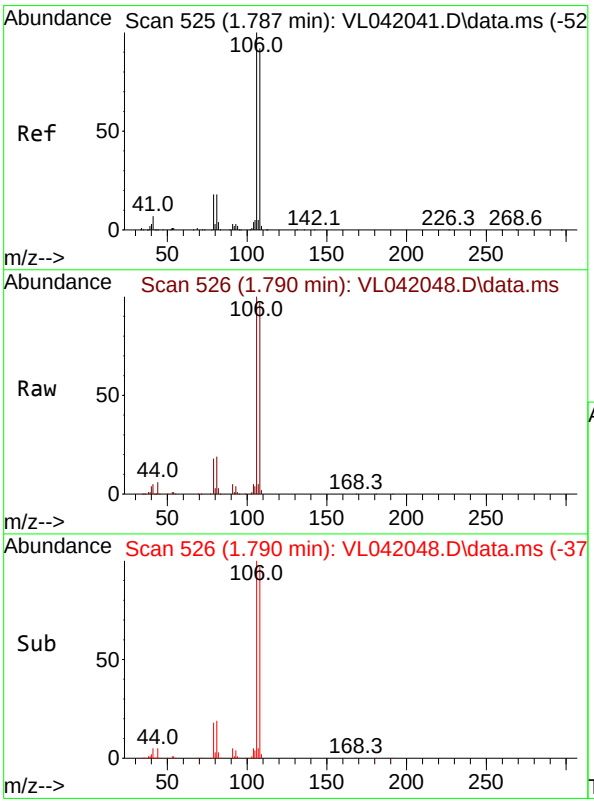
#13
Ethanol
Concen: 4.404 ppbv
RT: 1.728 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 45 Resp: 2630

Ion	Ratio	Lower	Upper
45	100		
46	44.0	17.1	68.3

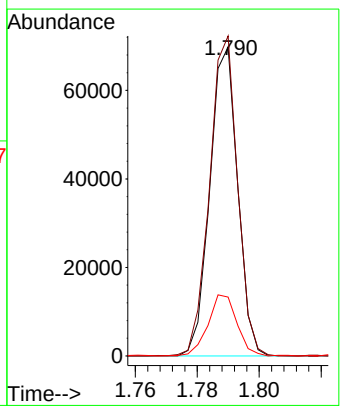


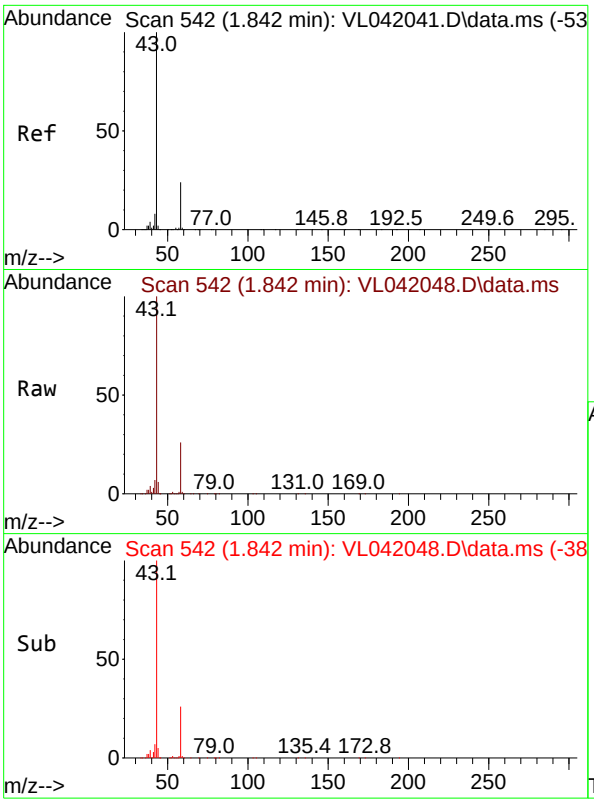


#14
Bromoethene
Concen: 9.338 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:108 Resp: 43546

Ion	Ratio	Lower	Upper
108	100		
106	104.1	85.4	128.0
79	21.0	16.5	24.7



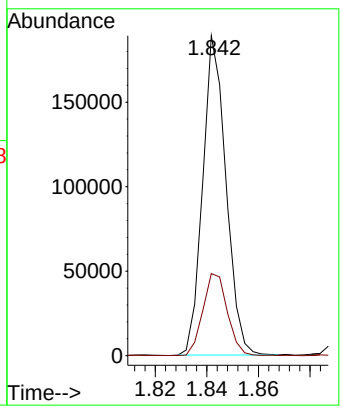


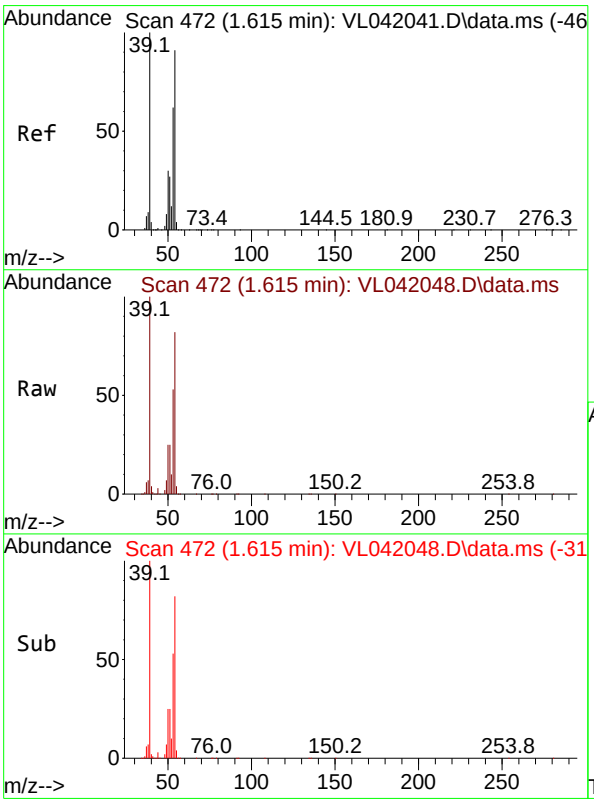
#15
Acetone
Concen: 8.460 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 43 Resp: 118697

Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.7	31.1

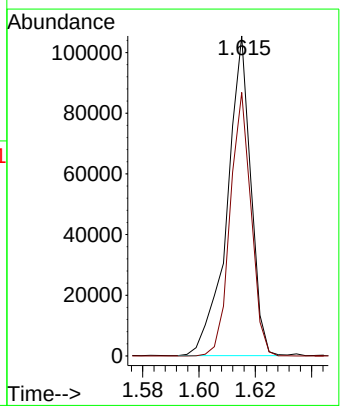


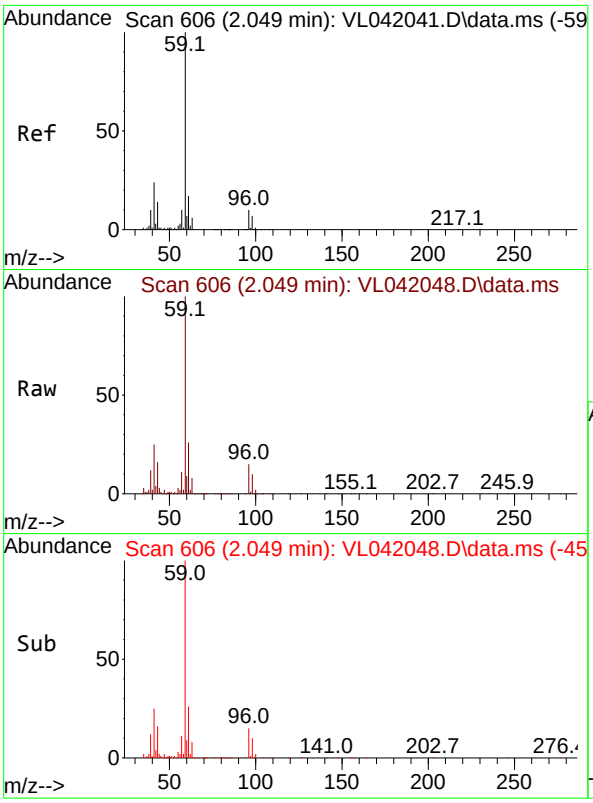


#16
1,3-Butadiene
Concen: 9.434 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 39 Resp: 61603

Ion	Ratio	Lower	Upper
39	100		
54	72.5	59.6	89.4



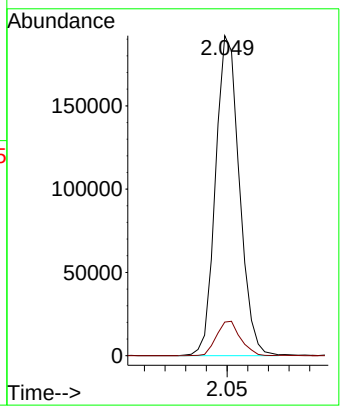


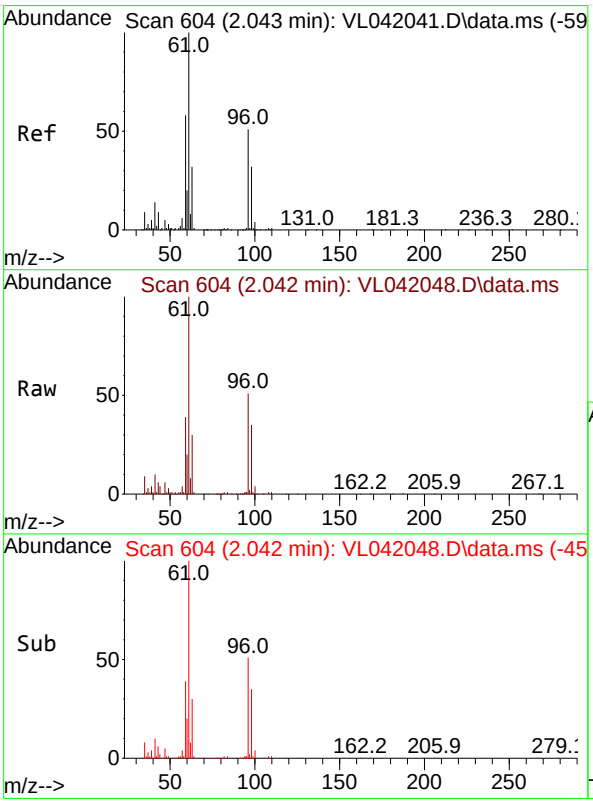
#17
tert-Butyl alcohol
Concen: 8.779 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 59 Resp: 154116

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.3	13.9

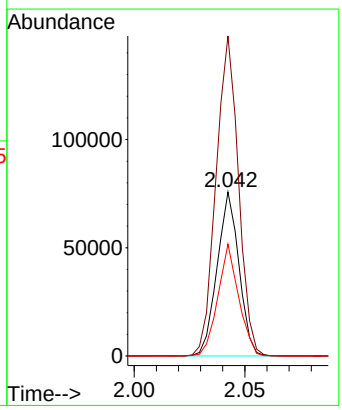


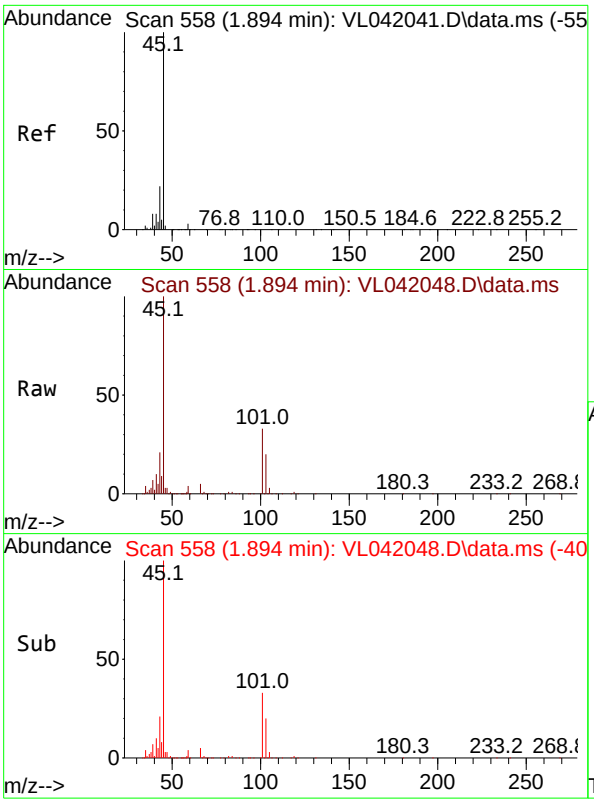


#18
1,1-Dichloroethene
Concen: 8.711 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 96 Resp: 51973

Ion	Ratio	Lower	Upper
96	100		
61	195.1	156.0	234.0
98	68.3	49.4	74.2



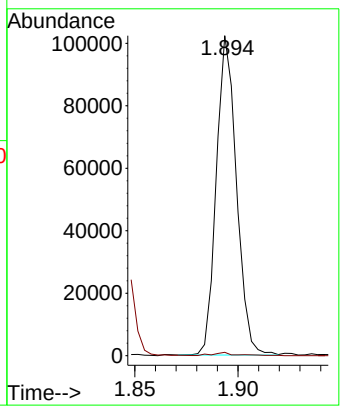


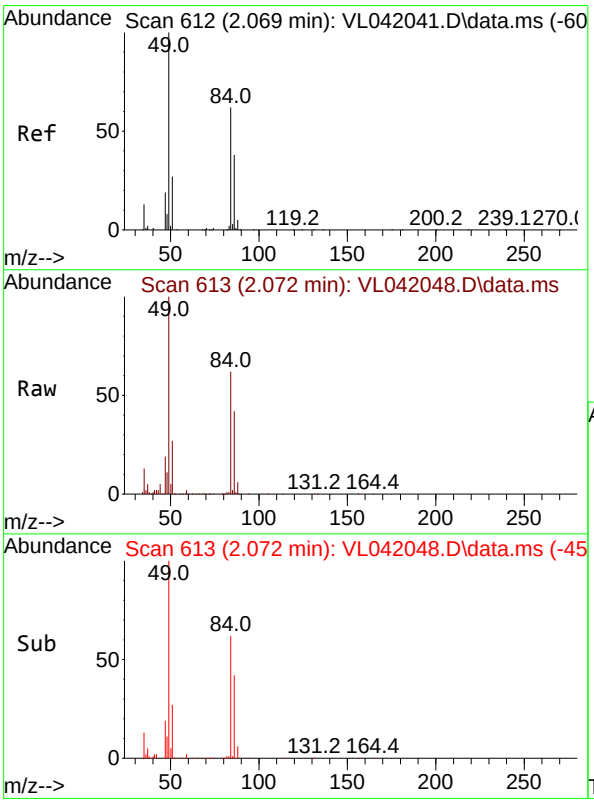
#19
Isopropyl Alcohol
Concen: 8.629 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 45 Resp: 69546

Ion	Ratio	Lower	Upper
45	100		
58	46.7	35.3	52.9

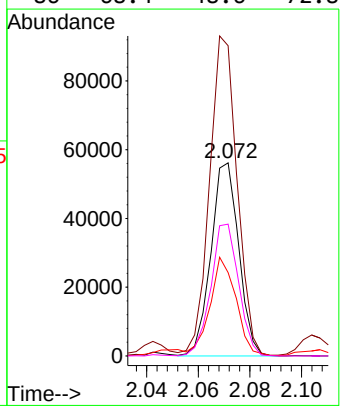


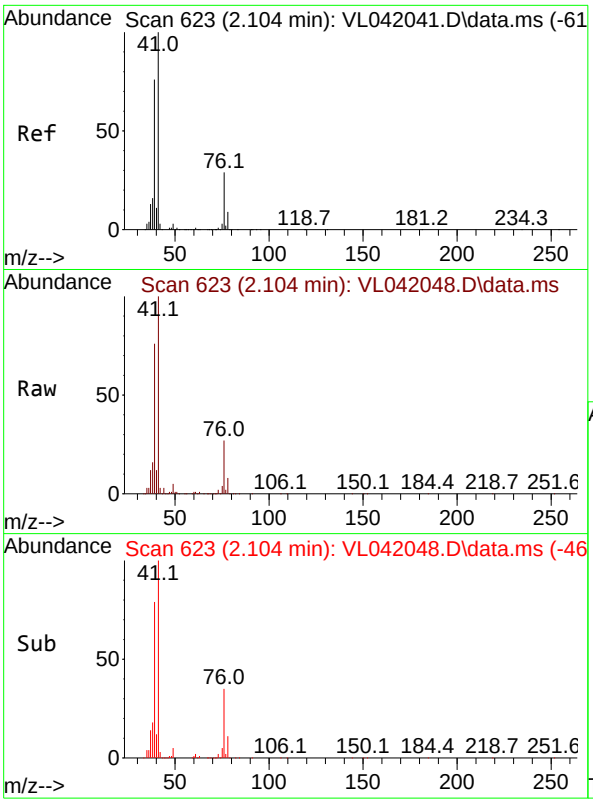


#20
Methylene Chloride
Concen: 7.919 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 84 Resp: 42028

Ion	Ratio	Lower	Upper
84	100		
49	160.5	130.0	195.0
51	43.0	37.4	56.0
86	68.4	48.6	72.8



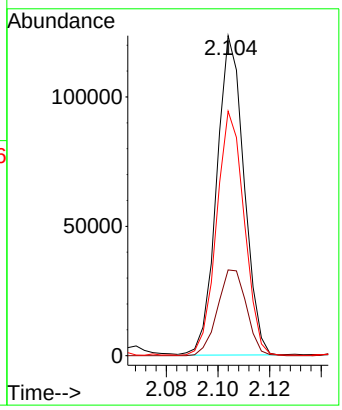


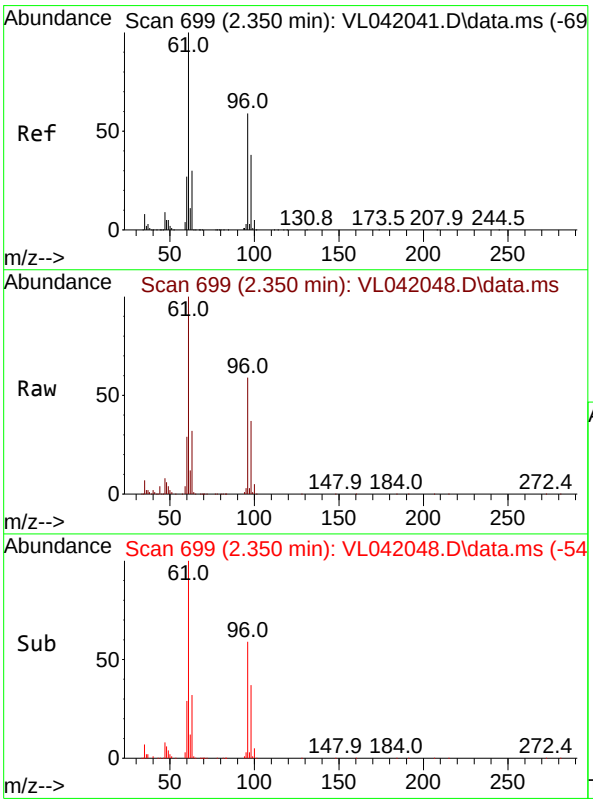
#21
Allyl Chloride
Concen: 8.951 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 41 Resp: 90745

Ion	Ratio	Lower	Upper
41	100		
76	28.5	23.8	35.6
39	77.5	63.8	95.6

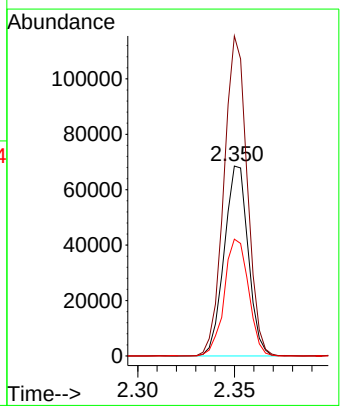


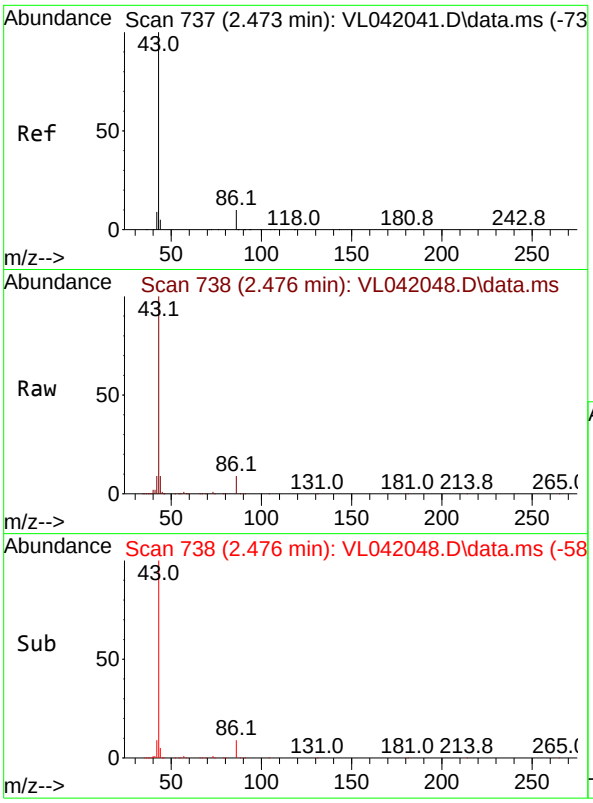


#22
trans-1,2-Dichloroethene
Concen: 8.502 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 96 Resp: 59140

Ion	Ratio	Lower	Upper
96	100		
61	168.4	136.6	205.0
98	61.5	51.8	77.6



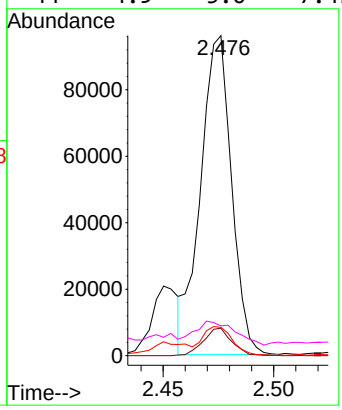


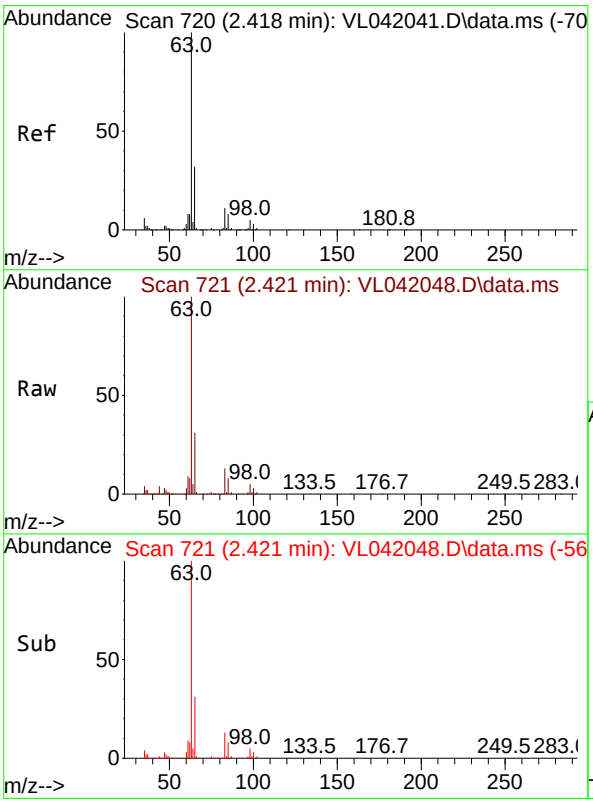
#23
Vinyl Acetate
Concen: 9.488 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 43 Resp: 93605

Ion	Ratio	Lower	Upper
43	100		
86	8.6	7.0	10.4
42	8.3	7.6	11.4
44	4.9	5.0	7.4#

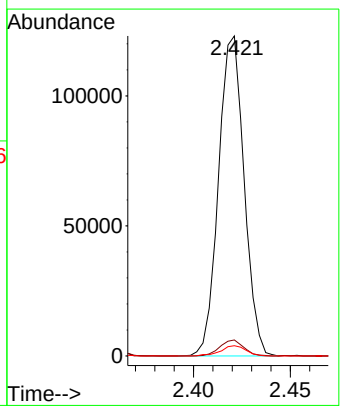


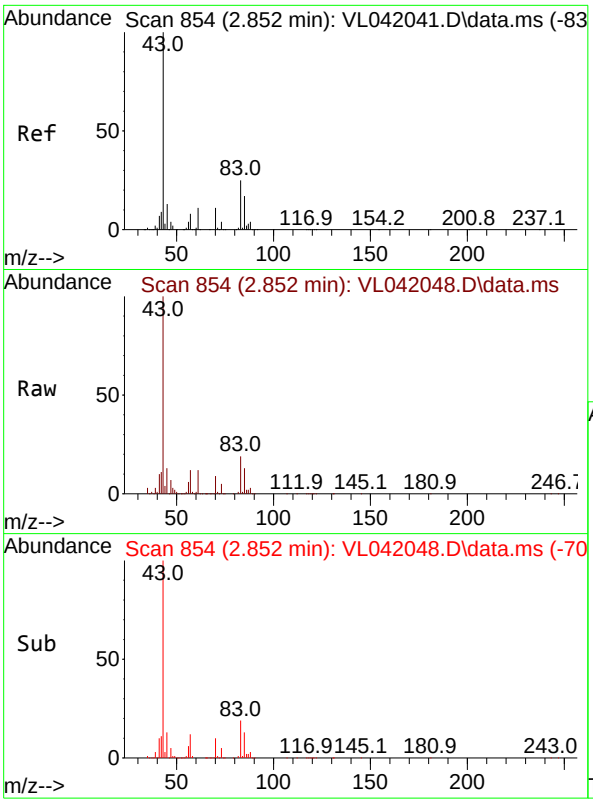


#24
1,1-Dichloroethane
Concen: 8.721 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 63 Resp: 112869

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.2
100	3.2	1.7	5.0



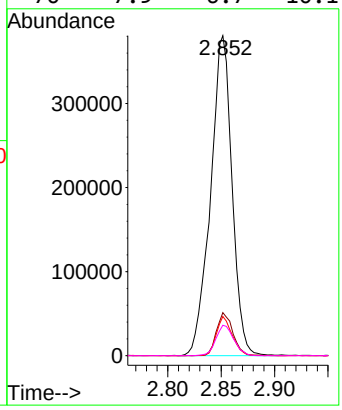


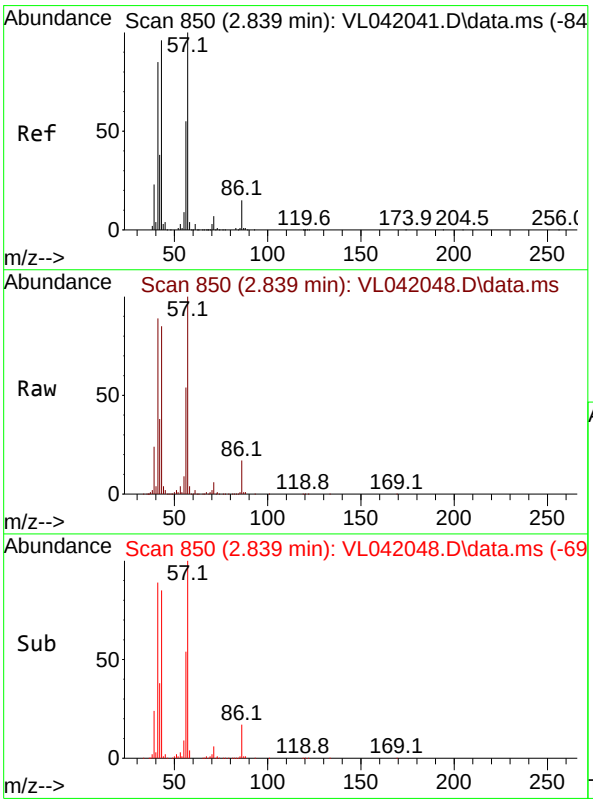
#25
Ethyl Acetate
Concen: 9.492 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 43 Resp: 533113

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.0	7.2	10.8
70	7.9	6.7	10.1

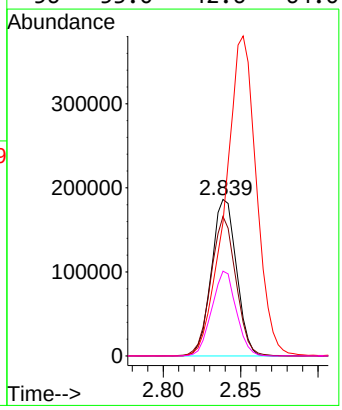


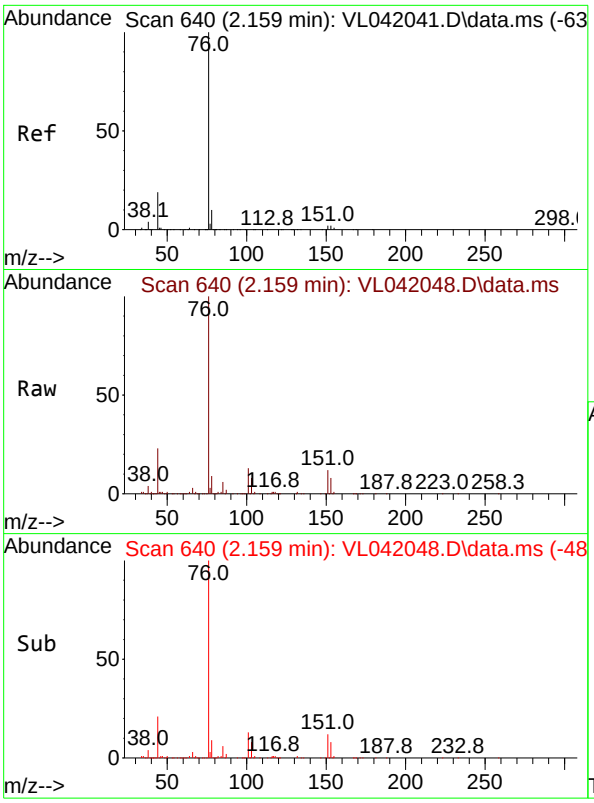


#26
Hexane
Concen: 9.203 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 57 Resp: 208955

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.6	106.0
43	256.2	199.4	299.0
56	53.0	42.6	64.0



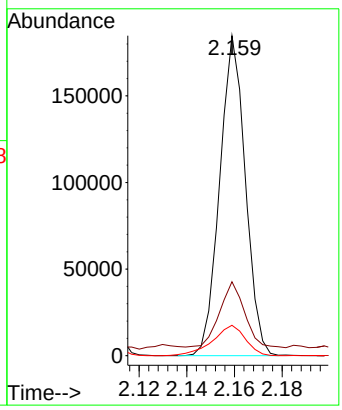


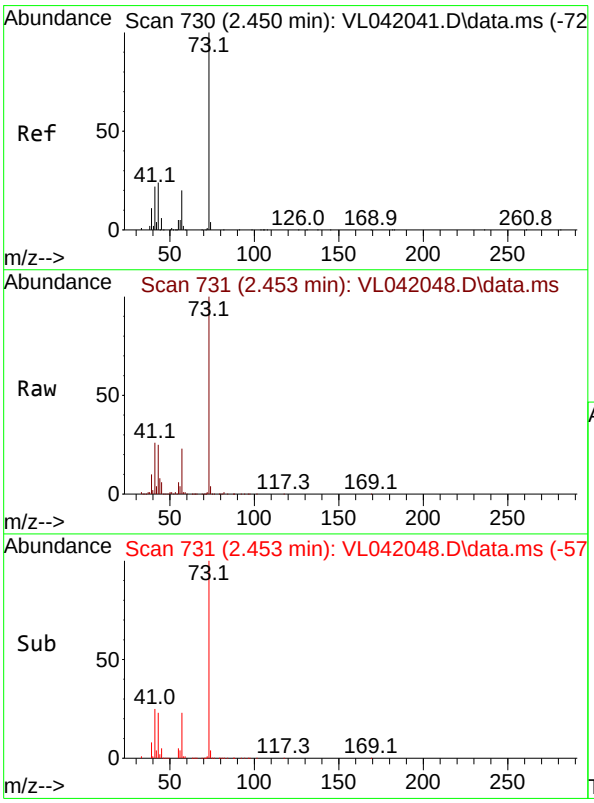
#27
Carbon Disulfide
Concen: 8.978 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 76 Resp: 138176

Ion	Ratio	Lower	Upper
76	100		
44	21.9	16.2	24.2
78	12.1	9.4	14.0

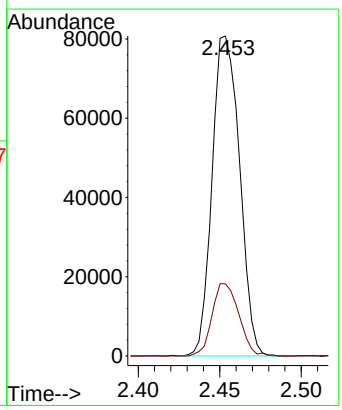


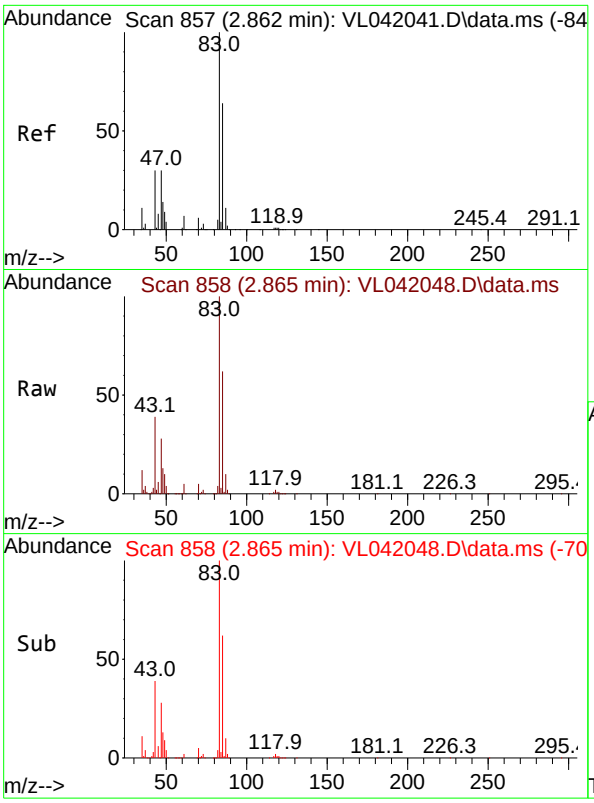


#28
Methyl tert-Butyl Ether
Concen: 8.365 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 73 Resp: 94554

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



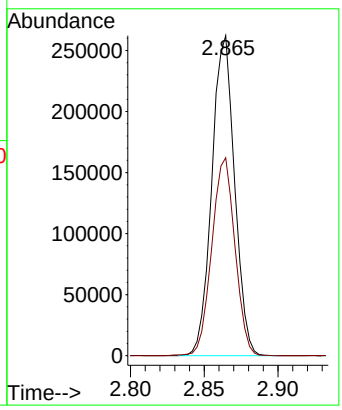


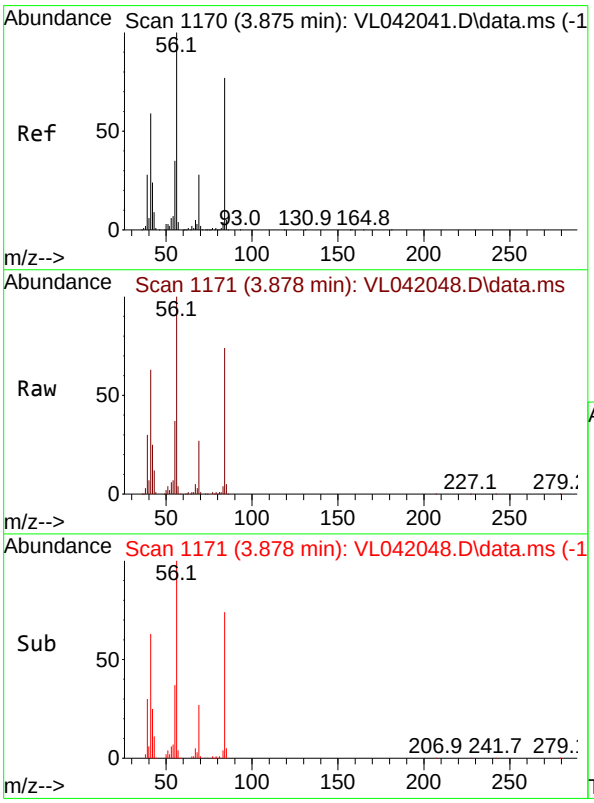
#29
Chloroform
Concen: 9.202 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 83 Resp: 281191

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.2	76.8

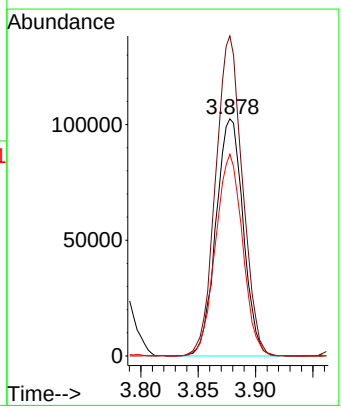


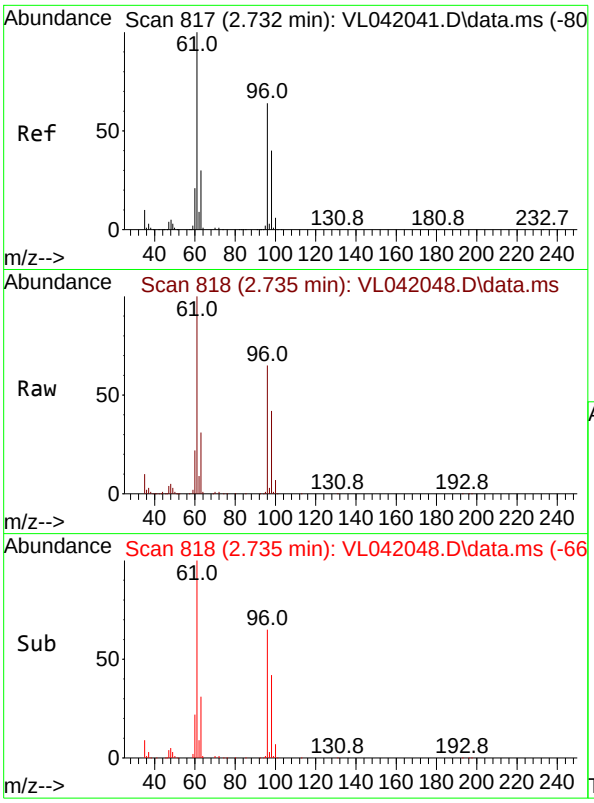


#30
Cyclohexane
Concen: 9.161 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 84 Resp: 168830

Ion	Ratio	Lower	Upper
84	100		
56	133.0	101.5	152.3
41	84.8	62.6	93.8



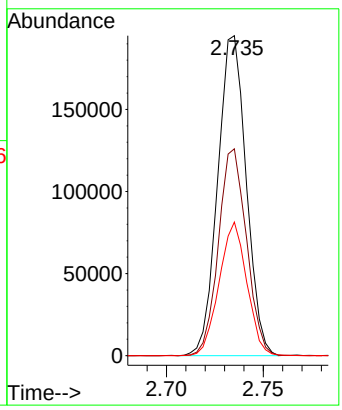


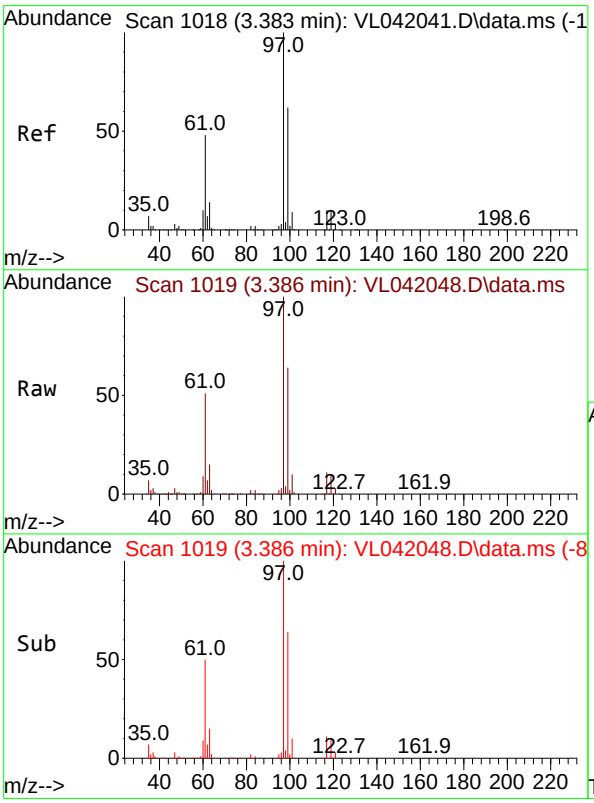
#31
cis-1,2-Dichloroethene
Concen: 9.285 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 61 Resp: 199564

Ion	Ratio	Lower	Upper
61	100		
96	64.7	51.5	77.3
98	41.8	32.0	48.0

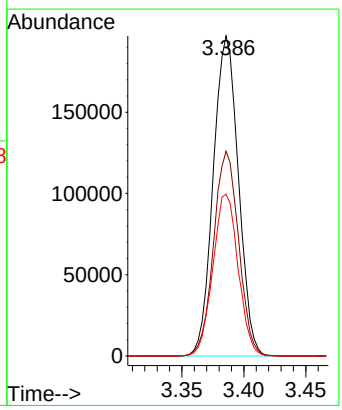


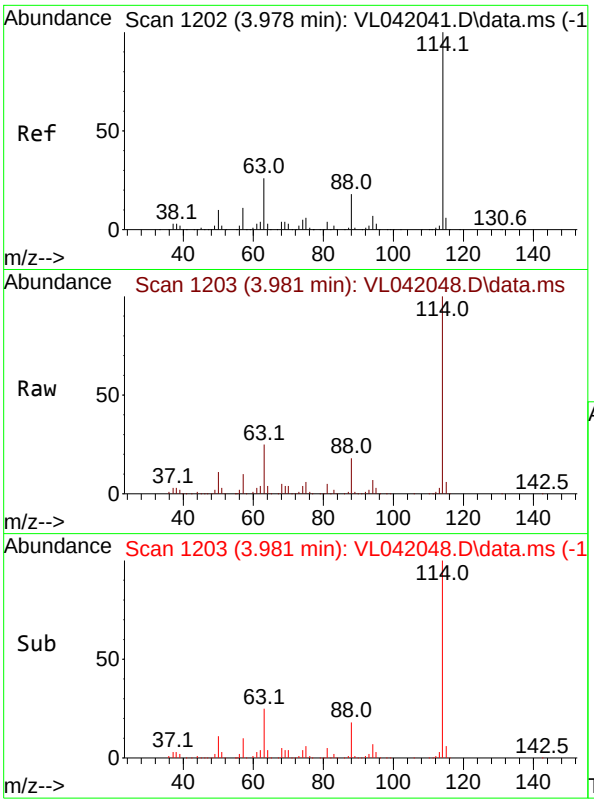


#32
1,1,1-Trichloroethane
Concen: 9.396 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 97 Resp: 278512

Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.8	74.6
61	50.8	38.9	58.3



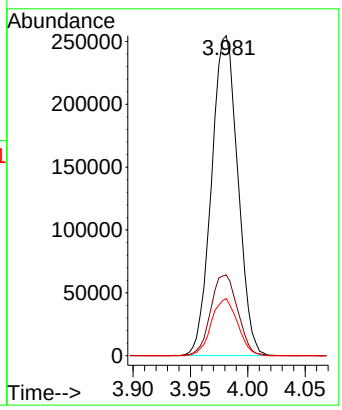


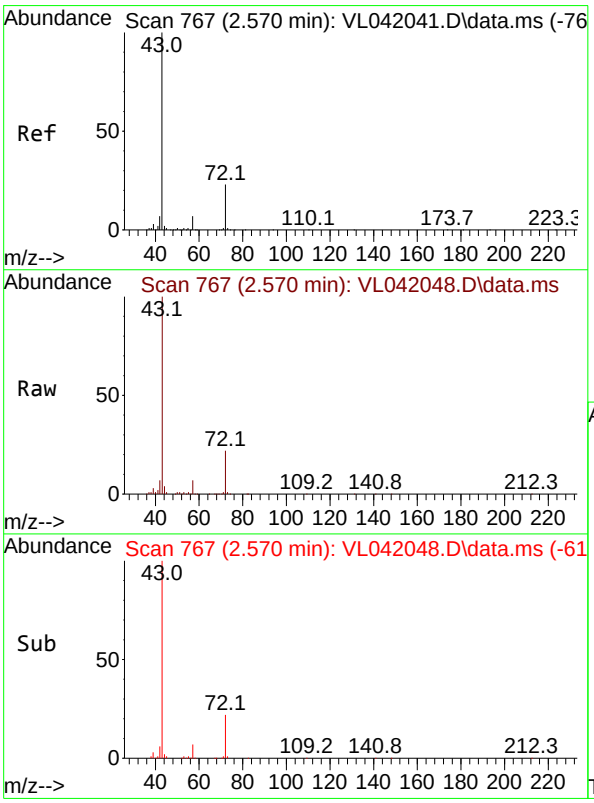
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:114 Resp: 406520

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.1	30.1
88	17.8	14.3	21.5

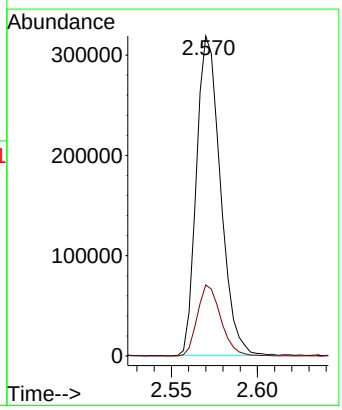


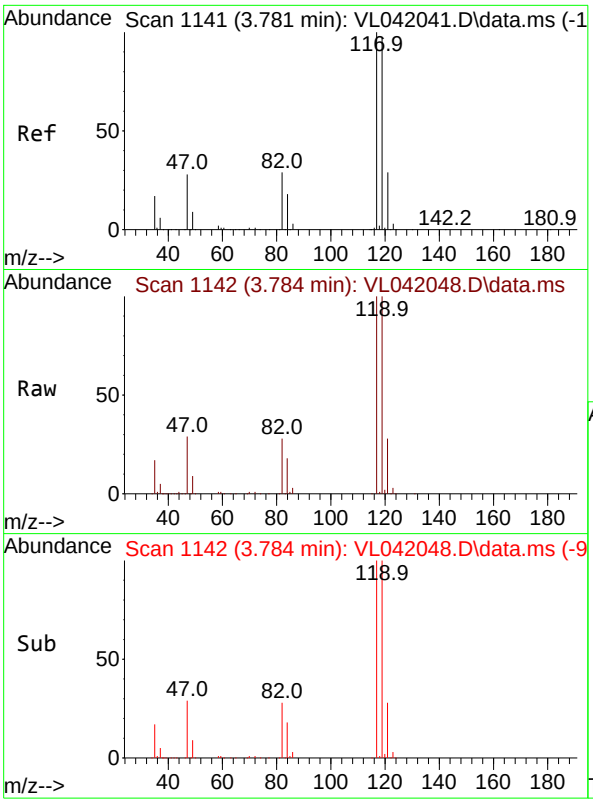


#34
2-Butanone
Concen: 9.727 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 308064

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7



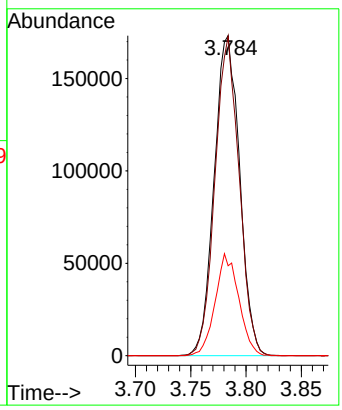


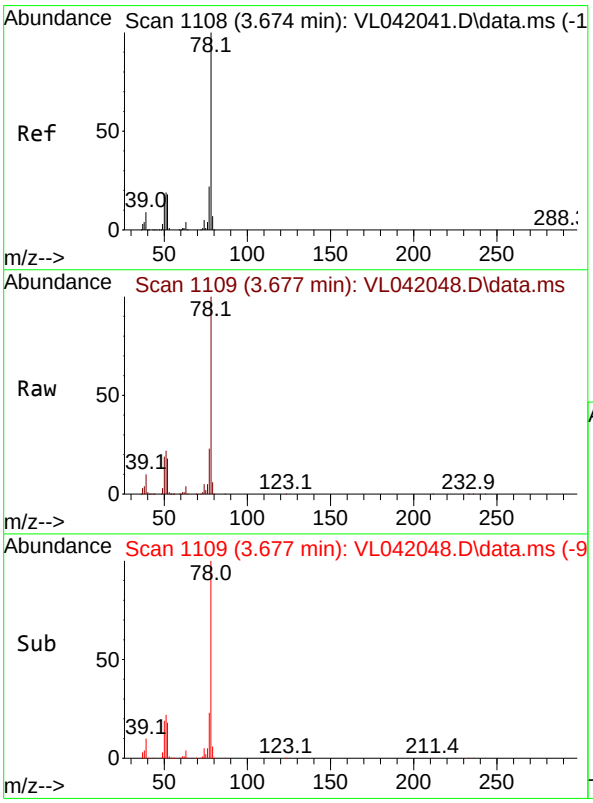
#35
Carbon Tetrachloride
Concen: 9.867 ppbv
RT: 3.784 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:117 Resp: 276599

Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.8	116.8
121	28.1	23.4	35.0

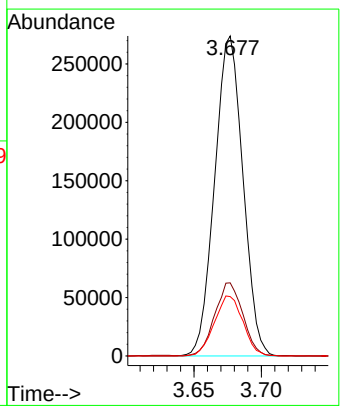


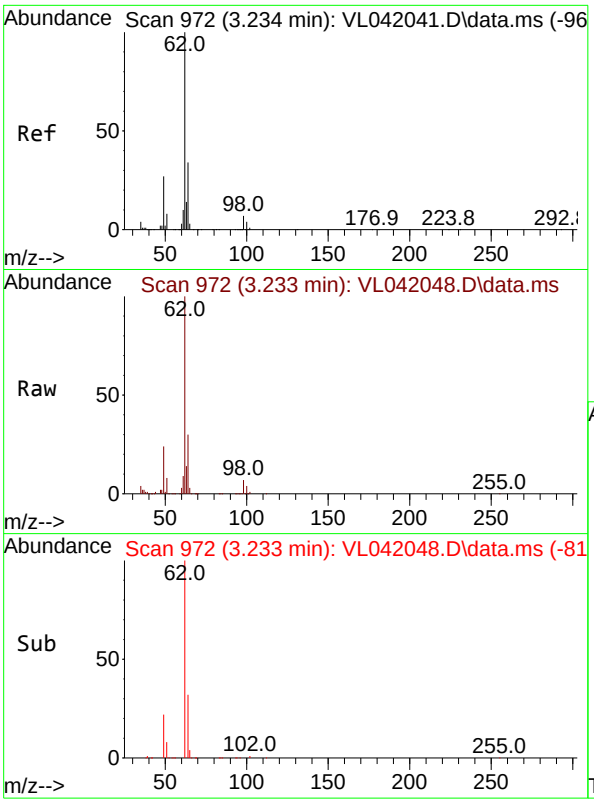


#36
Benzene
Concen: 9.395 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 78 Resp: 399804

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	18.6	13.9	20.9



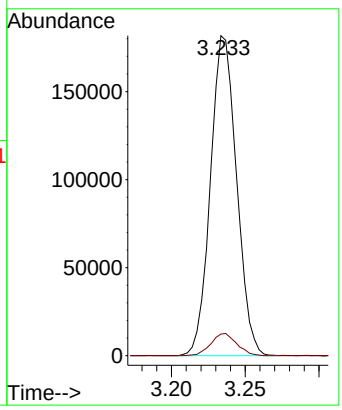


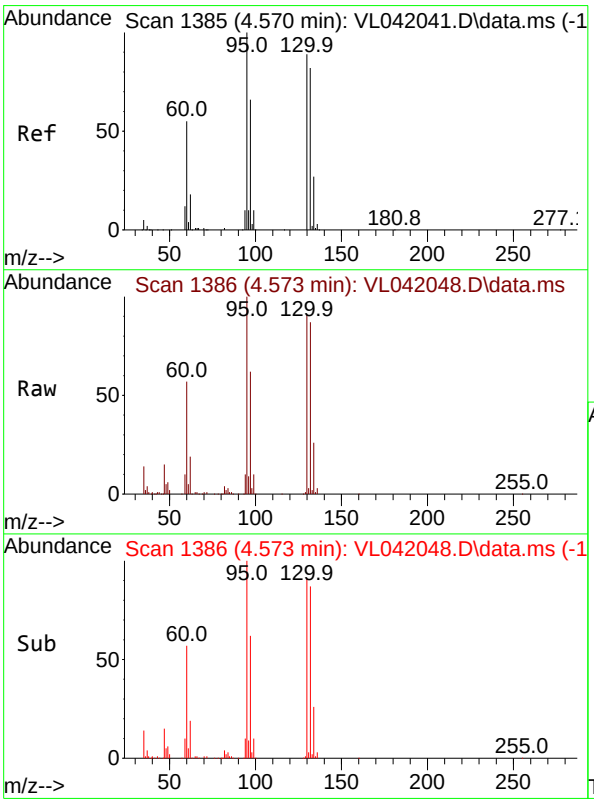
#37
1,2-Dichloroethane
Concen: 9.491 ppbv
RT: 3.233 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 62 Resp: 223946

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.7	8.5

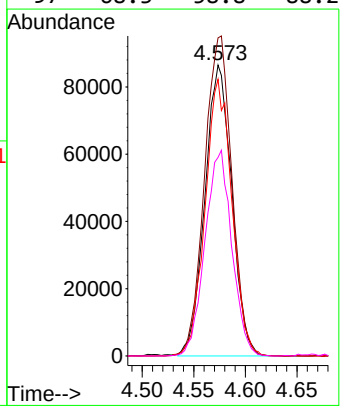


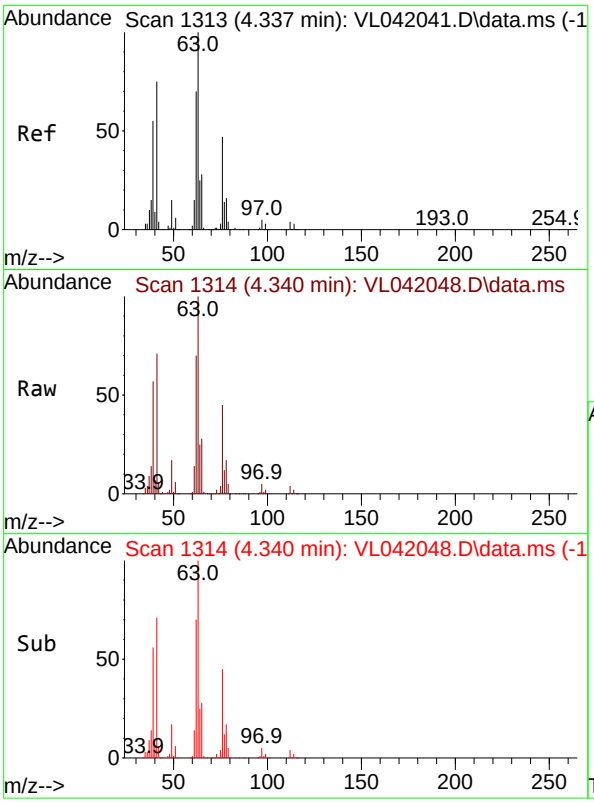


#38
Trichloroethene
Concen: 9.005 ppbv
RT: 4.573 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:130 Resp: 156488

Ion	Ratio	Lower	Upper
130	100		
95	109.3	89.5	134.3
132	95.1	73.8	110.6
97	68.3	58.8	88.2



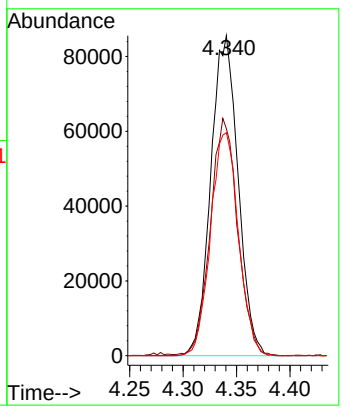


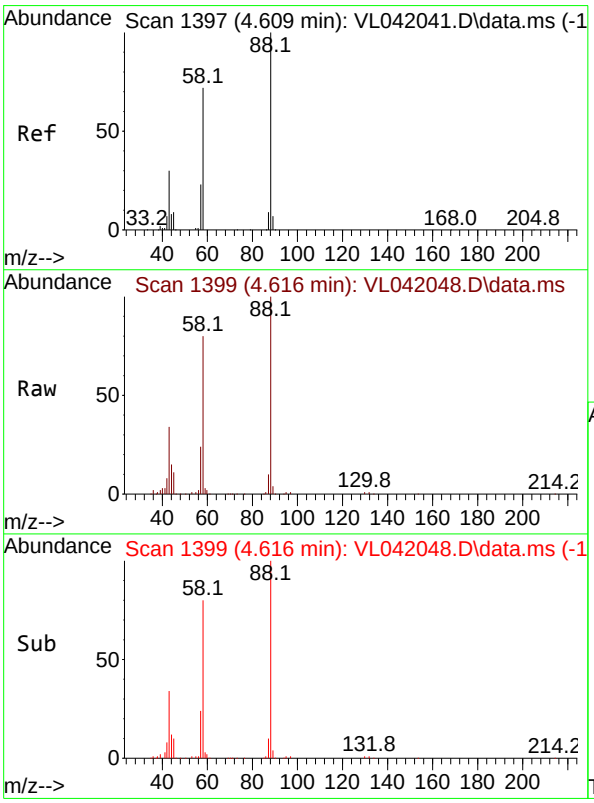
#39
1,2-Dichloropropane
Concen: 9.414 ppbv
RT: 4.340 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 63 Resp: 152063

Ion	Ratio	Lower	Upper
63	100		
41	70.8	60.1	90.1
62	69.7	55.8	83.8

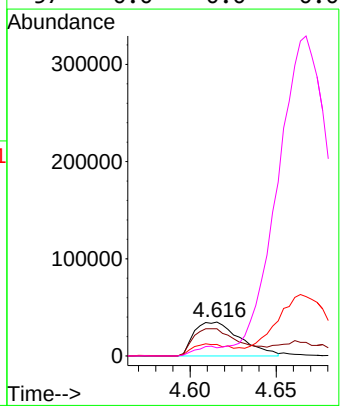


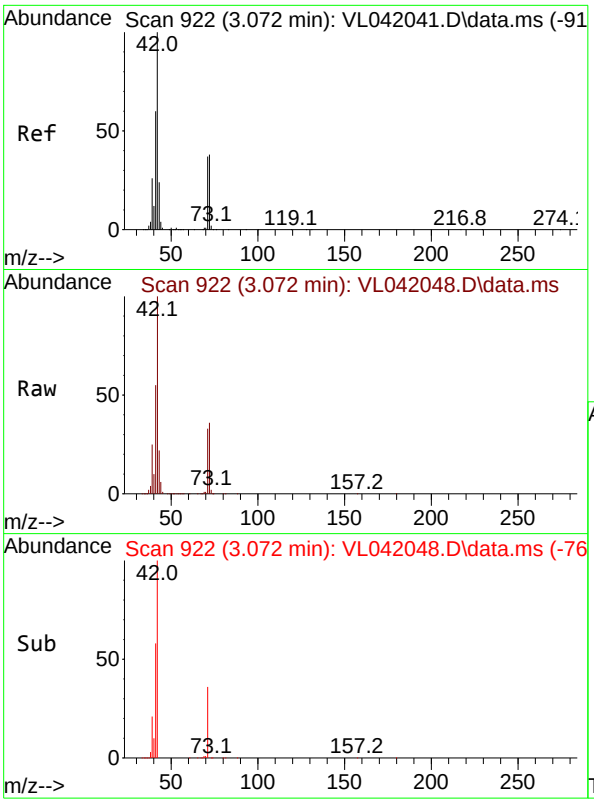


#40
1,4-Dioxane
Concen: 8.817 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 88 Resp: 65010

Ion	Ratio	Lower	Upper
88	100		
58	76.5	62.6	94.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



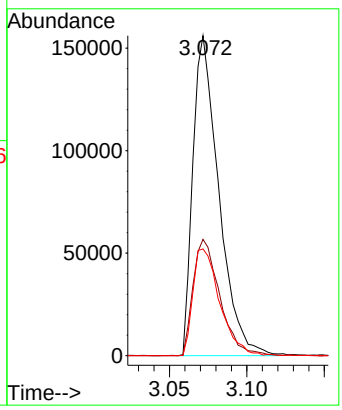


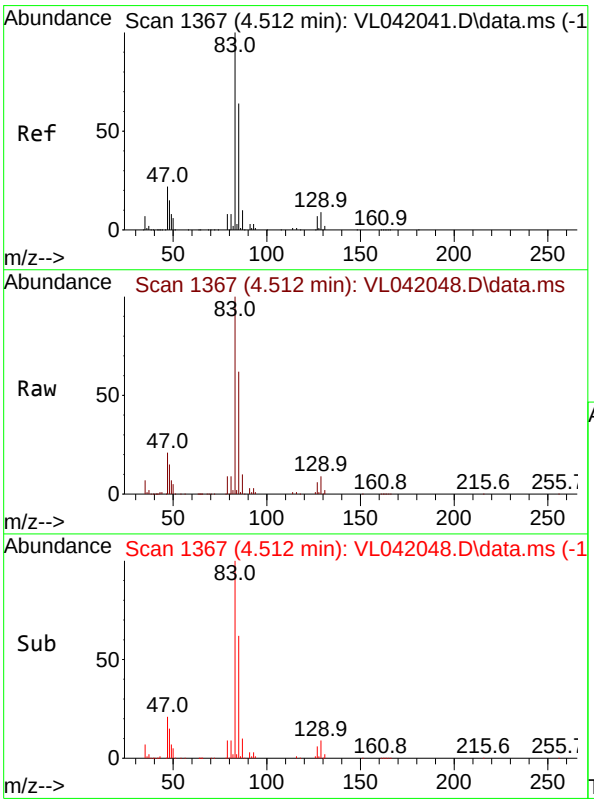
#41
Tetrahydrofuran
Concen: 9.696 ppbv
RT: 3.072 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 42 Resp: 181453

Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.2	45.2
71	34.8	28.2	42.4

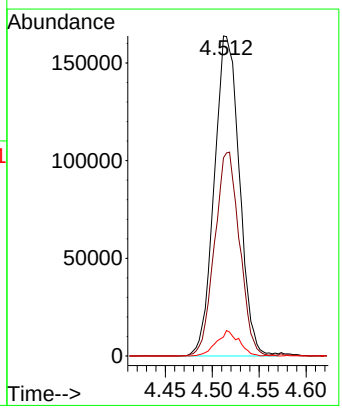


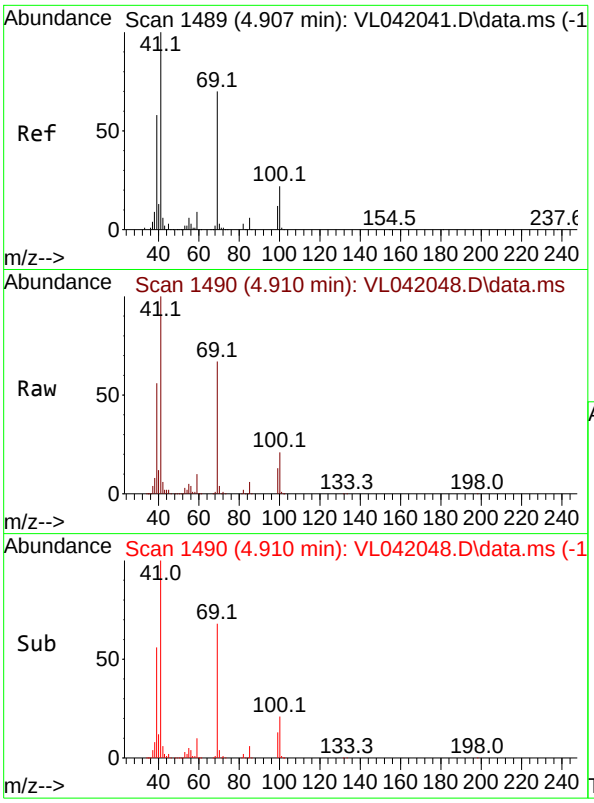


#42
Bromodichloromethane
Concen: 9.606 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 83 Resp: 305385

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2
127	5.9	5.8	8.6



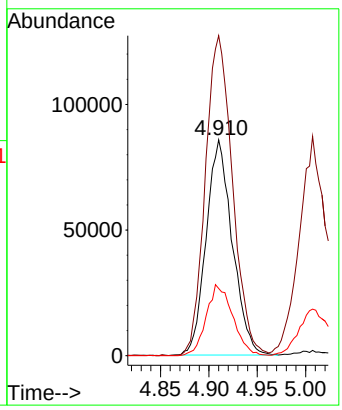


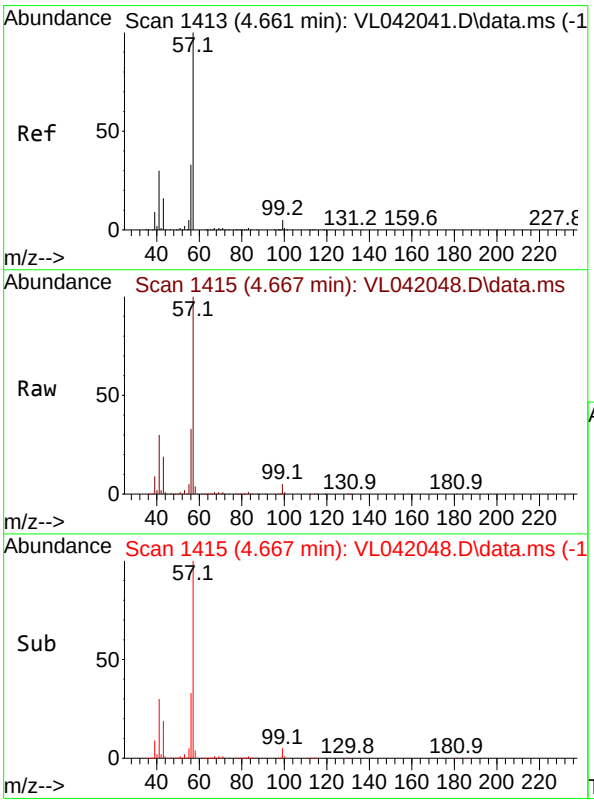
#43
Methyl Methacrylate
Concen: 9.685 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 69 Resp: 160954

Ion	Ratio	Lower	Upper
69	100		
41	154.7	118.2	177.4
100	33.4	27.0	40.4

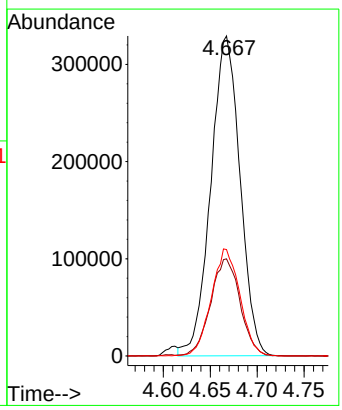


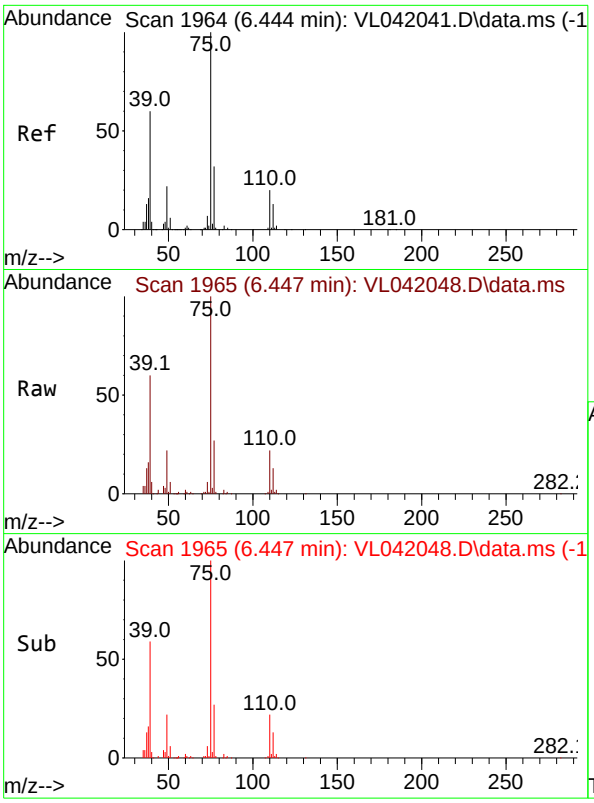


#44
2,2,4-Trimethylpentane
Concen: 9.480 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 57 Resp: 712051

Ion	Ratio	Lower	Upper
57	100		
41	31.0	24.4	36.6
56	32.7	26.5	39.7



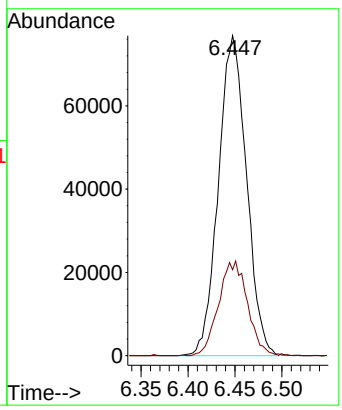


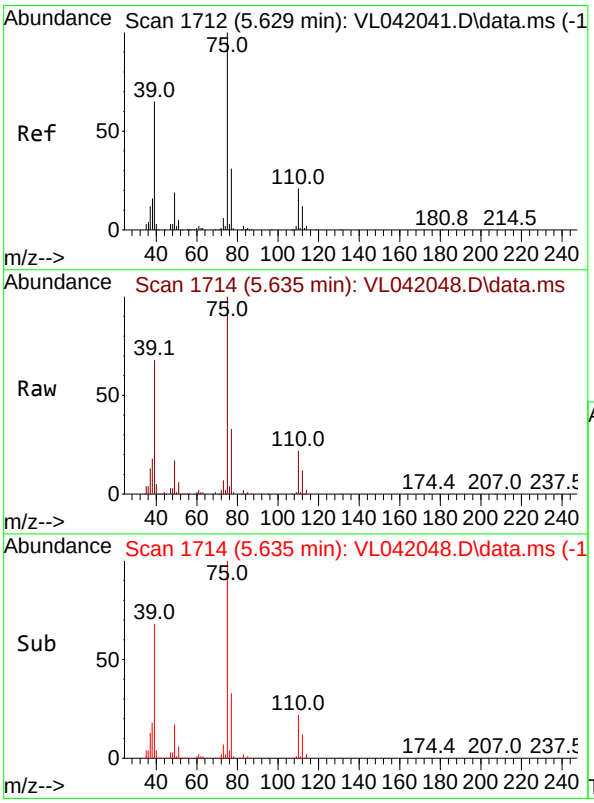
#45
t-1,3-Dichloropropene
Concen: 9.671 ppbv
RT: 6.447 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 75 Resp: 159680

Ion	Ratio	Lower	Upper
75	100		
77	26.8	25.9	38.9

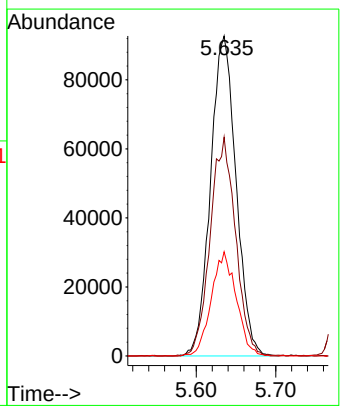


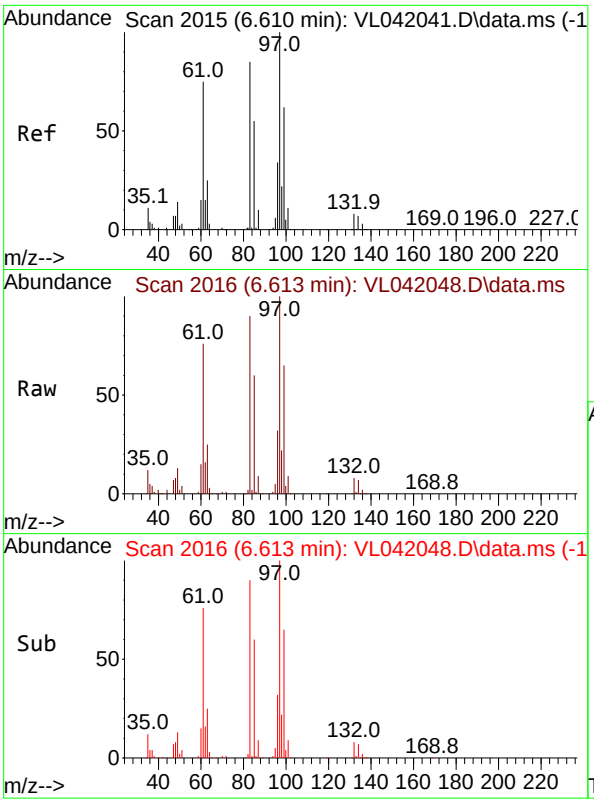


#46
cis-1,3-Dichloropropene
Concen: 9.680 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.006 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 75 Resp: 206836

Ion	Ratio	Lower	Upper
75	100		
39	68.1	51.9	77.9
77	32.6	24.9	37.3



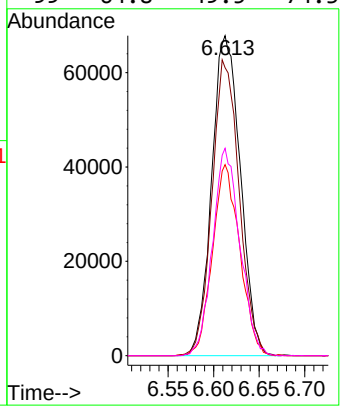


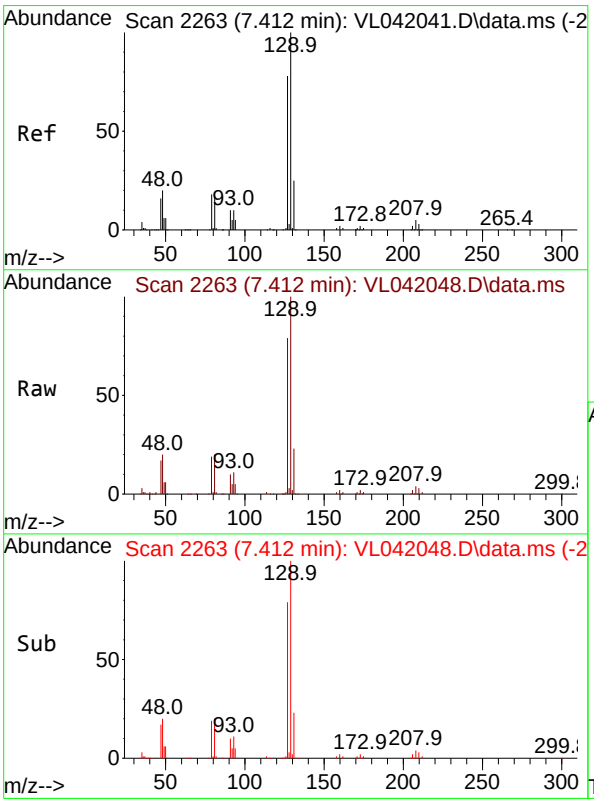
#47
1,1,2-Trichloroethane
Concen: 9.039 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 97 Resp: 148220

Ion	Ratio	Lower	Upper
97	100		
83	89.8	68.1	102.1
85	59.5	44.0	66.0
99	64.8	49.5	74.3

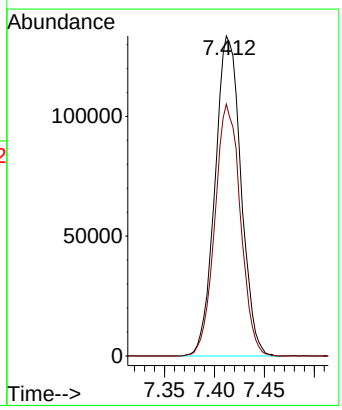


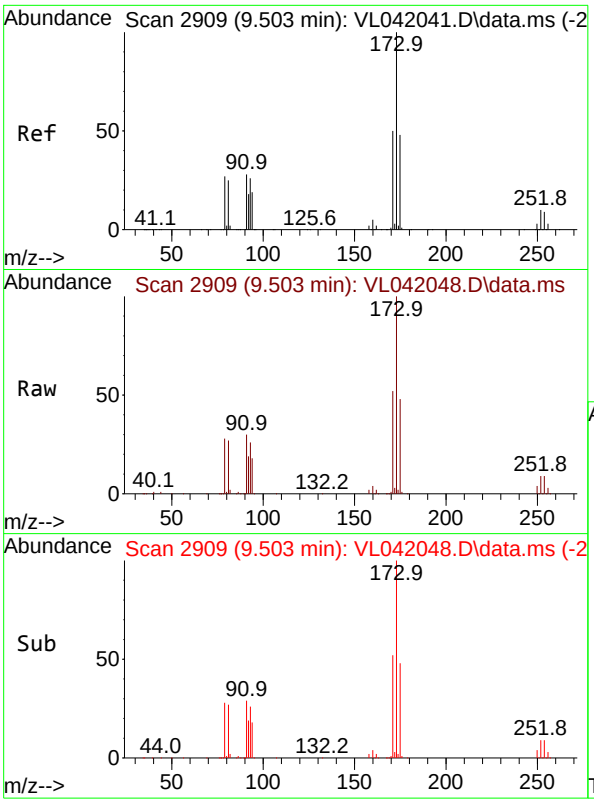


#48
Dibromochloromethane
Concen: 9.407 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:129 Resp: 241593

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8



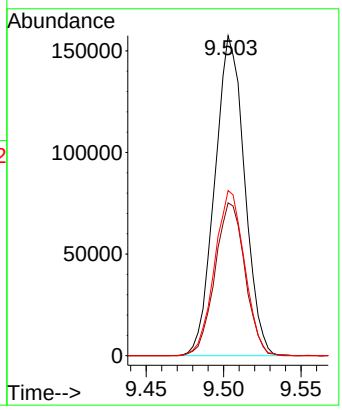


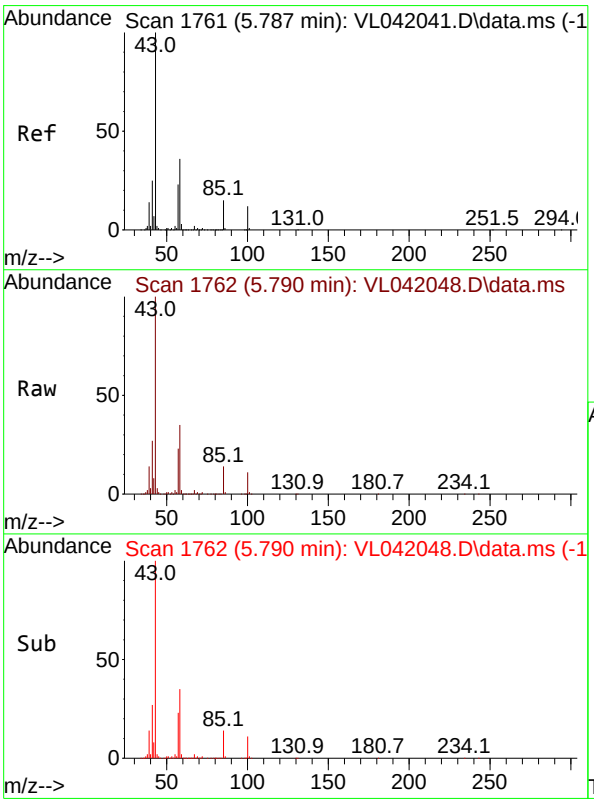
#49
Bromoform
Concen: 9.432 ppbv
RT: 9.503 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:173 Resp: 210370

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.3	57.5
171	52.0	40.2	60.2

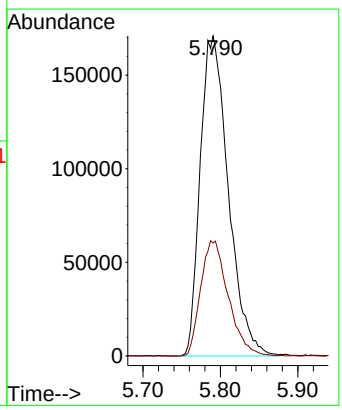


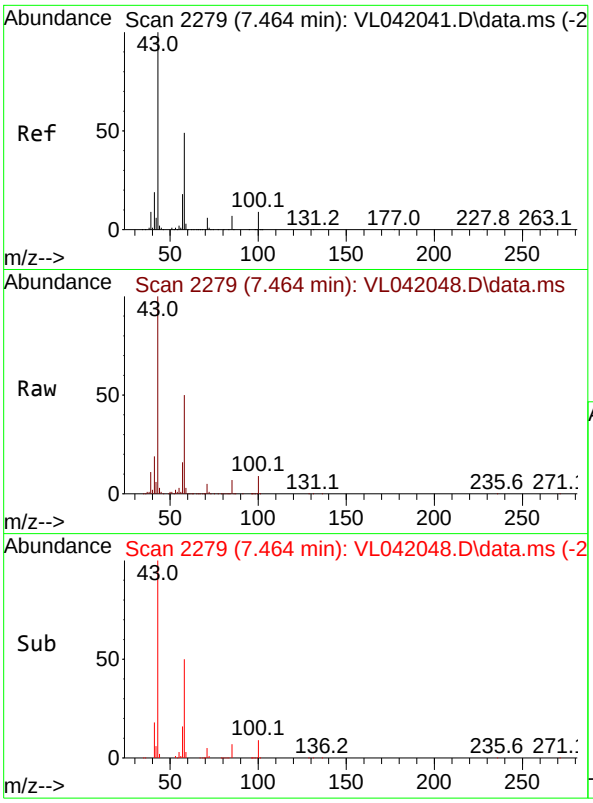


#50
4-Methyl-2-Pentanone
Concen: 10.526 ppbv
RT: 5.790 min Scan# 1762
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 43 Resp: 431123

Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.3	43.9



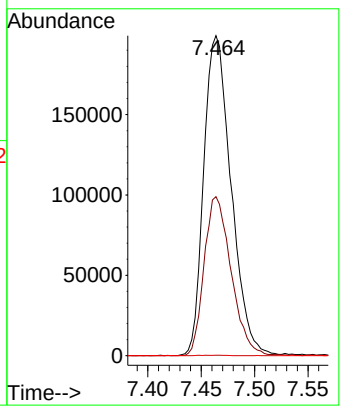


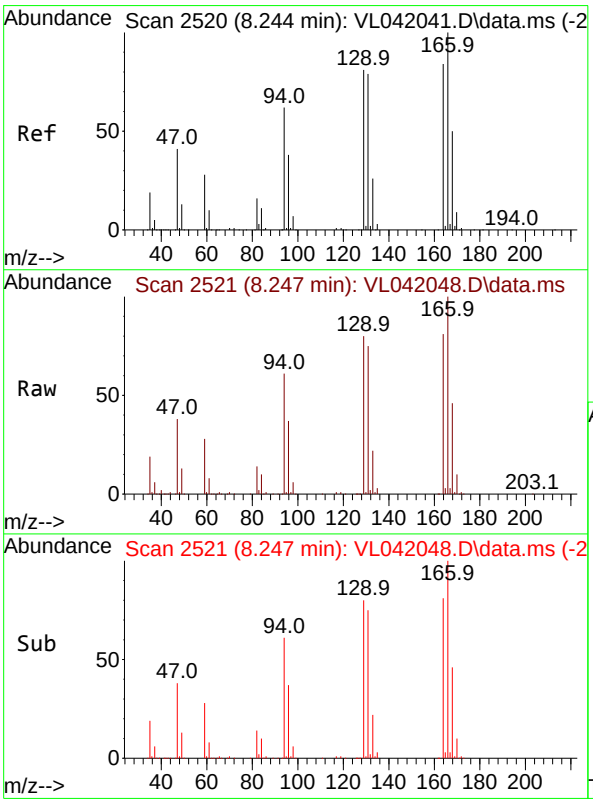
#51
2-Hexanone
Concen: 12.576 ppbv
RT: 7.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 43 Resp: 354515

Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.0	58.6
98	0.1	0.1	0.1#

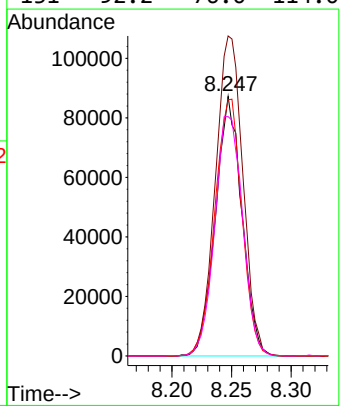


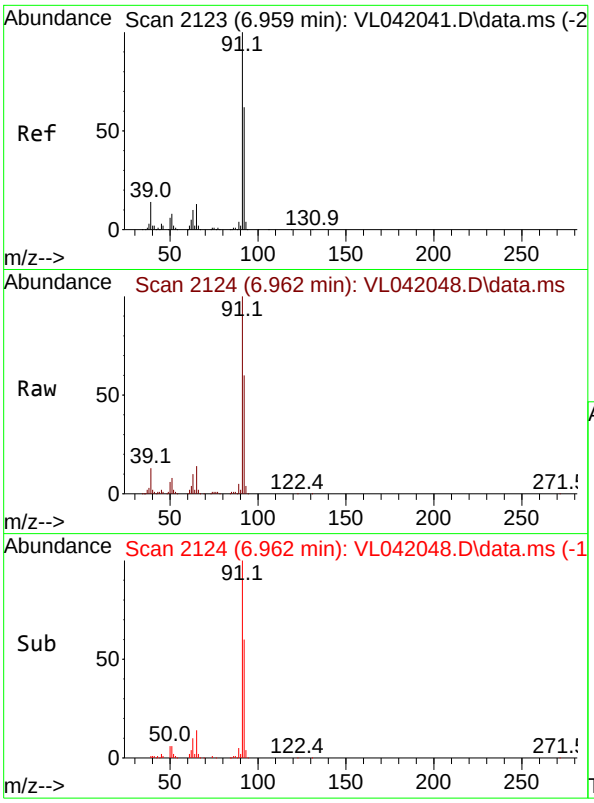


#52
Tetrachloroethene
Concen: 9.202 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:164 Resp: 134062

Ion	Ratio	Lower	Upper
164	100		
166	123.3	95.7	143.5
129	98.7	77.1	115.7
131	92.2	76.0	114.0



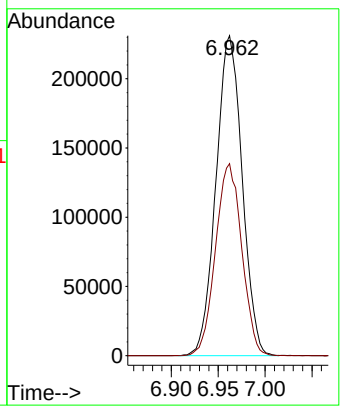


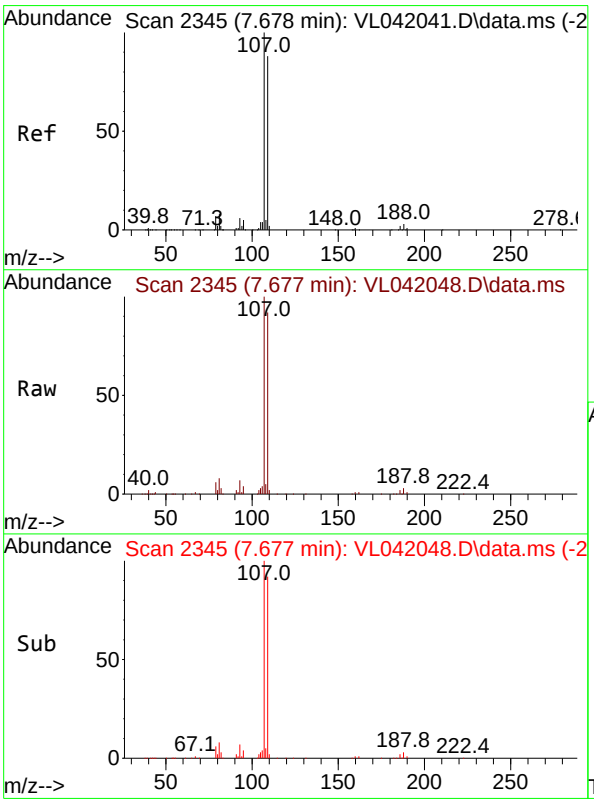
#53
Toluene
Concen: 9.430 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 91 Resp: 448495

Ion	Ratio	Lower	Upper
91	100		
92	60.1	49.0	73.6

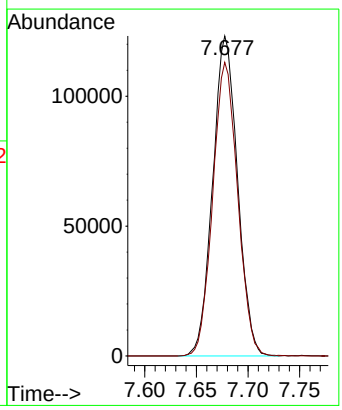


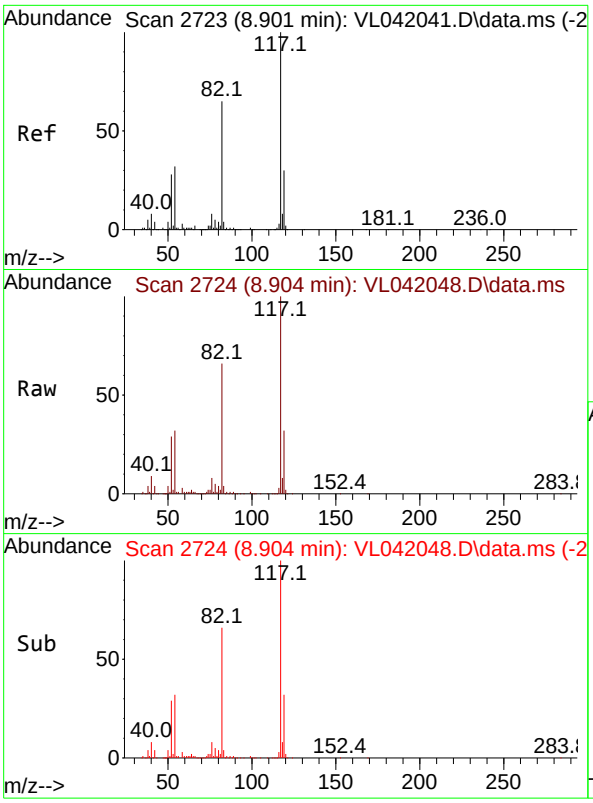


#54
1,2-Dibromoethane
Concen: 9.307 ppbv
RT: 7.677 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:107 Resp: 206335

Ion	Ratio	Lower	Upper
107	100		
109	91.7	70.2	105.4



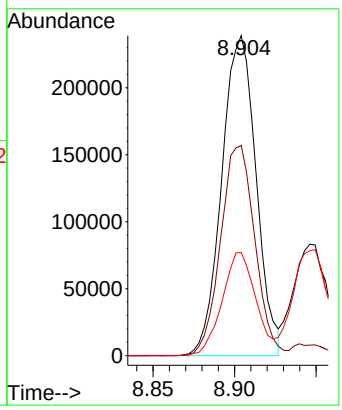


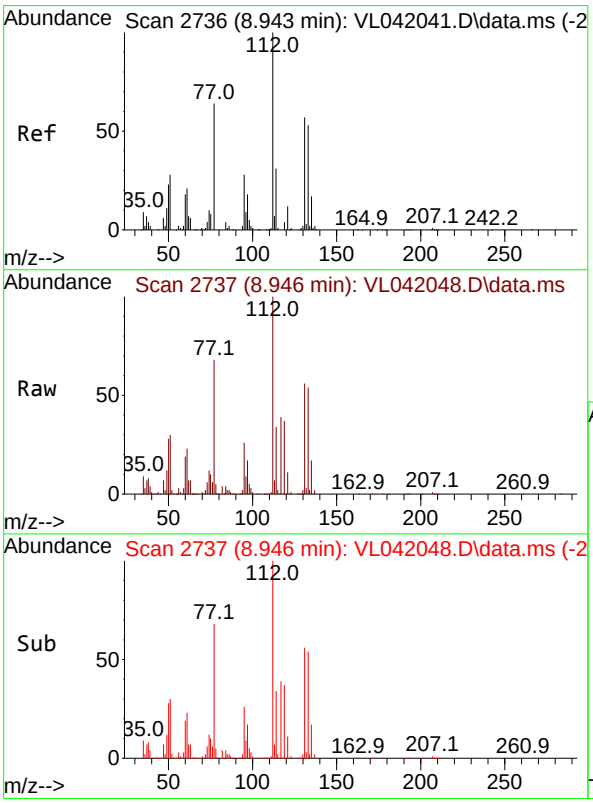
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:117 Resp: 350262

Ion	Ratio	Lower	Upper
117	100		
82	68.9	55.0	82.6
119	31.5	25.9	38.9

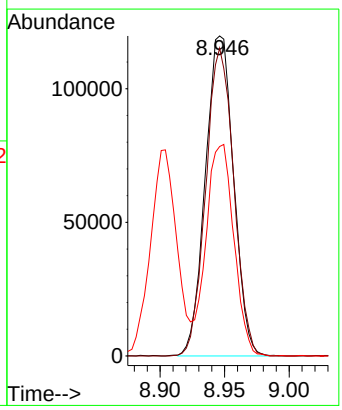


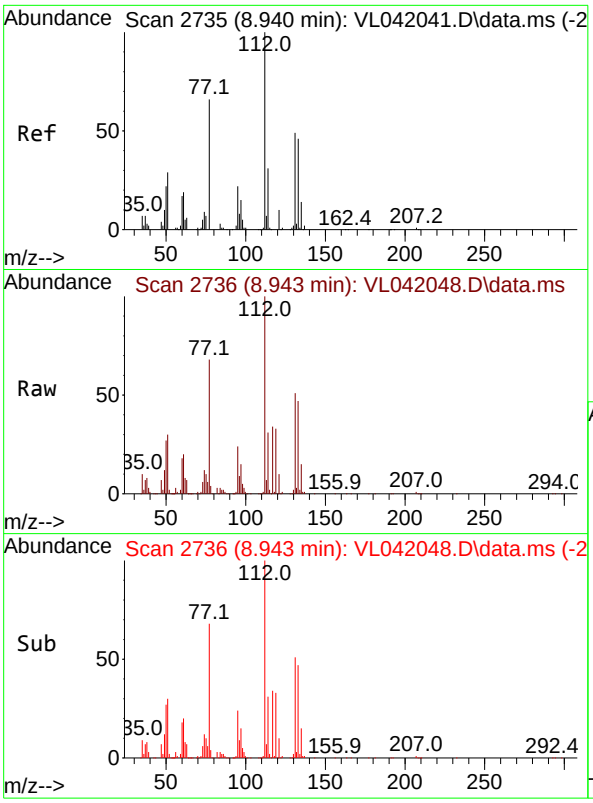


#56
1,1,1,2-Tetrachloroethane
Concen: 9.234 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:131 Resp: 182800

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.8	113.8
119	66.4	52.1	78.1



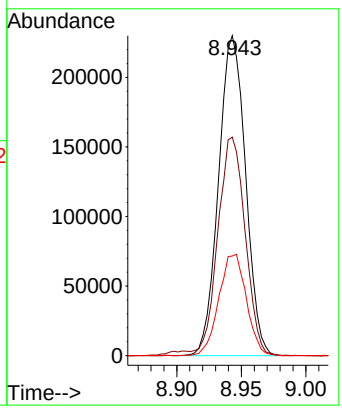


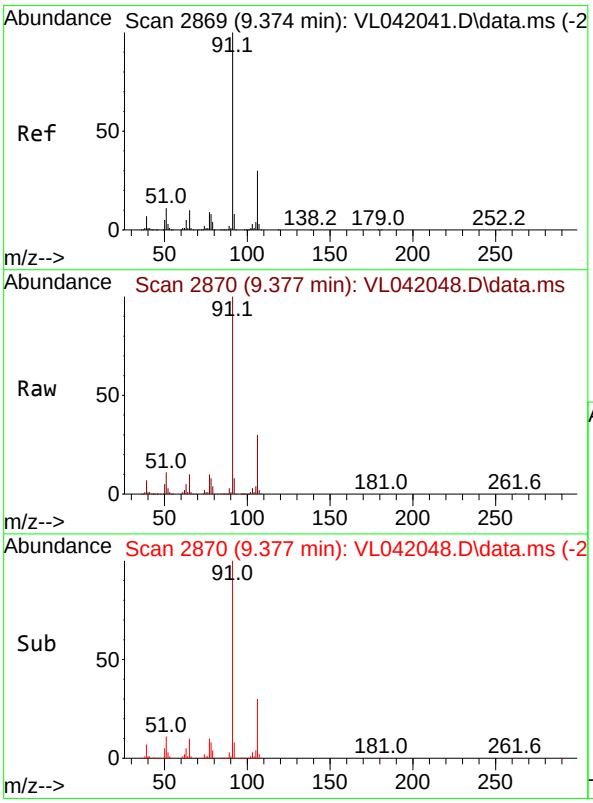
#57
Chlorobenzene
Concen: 9.216 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:112 Resp: 334696

Ion	Ratio	Lower	Upper
112	100		
77	68.0	53.4	80.2
114	31.1	28.3	34.5

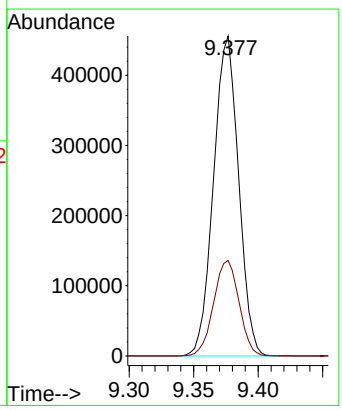


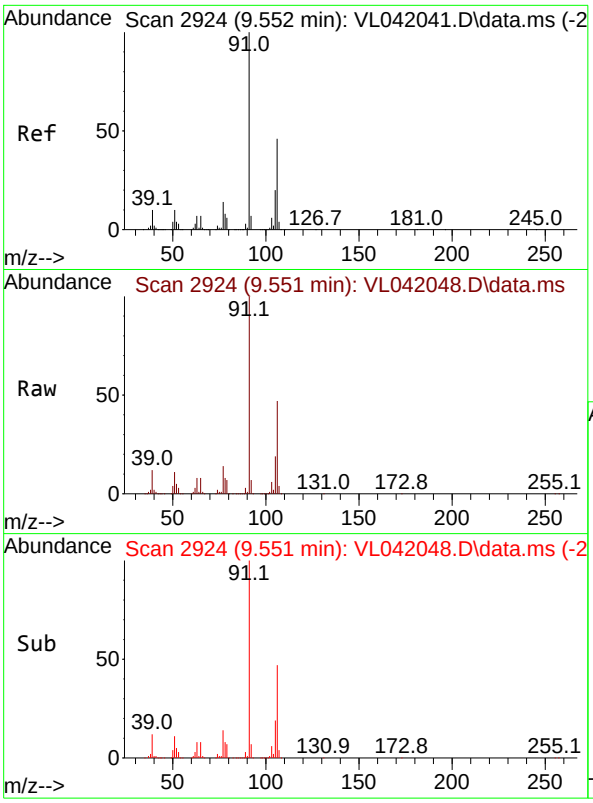


#58
Ethyl Benzene
Concen: 9.513 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 613622

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2



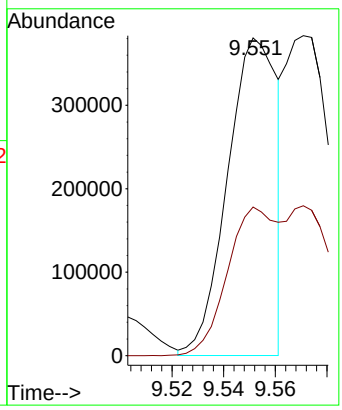


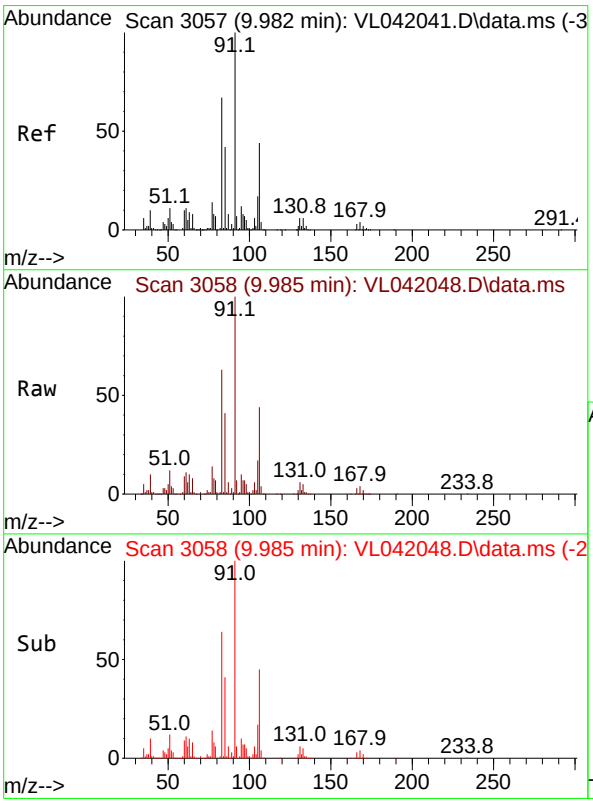
#59
m/p-Xylene
Concen: 9.840 ppbv
RT: 9.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 91 Resp: 505100

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

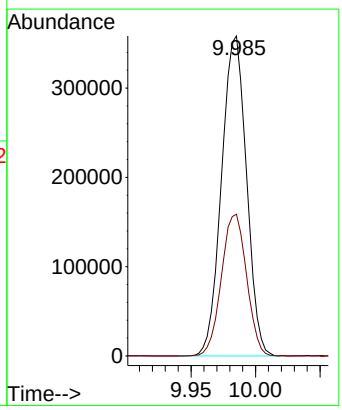


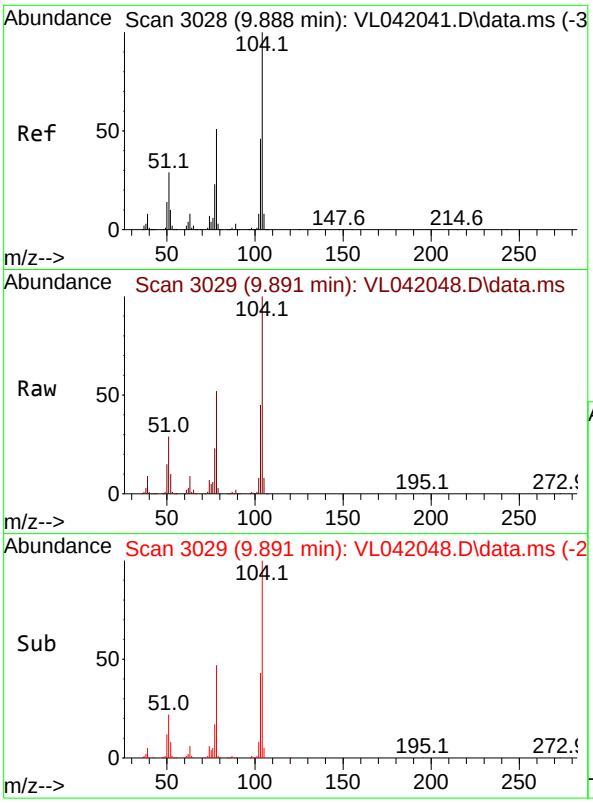


#60
o-Xylene
Concen: 9.334 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 481683

Ion	Ratio	Lower	Upper
91	100		
106	44.7	22.3	66.8



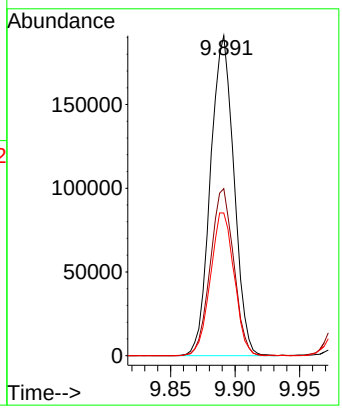


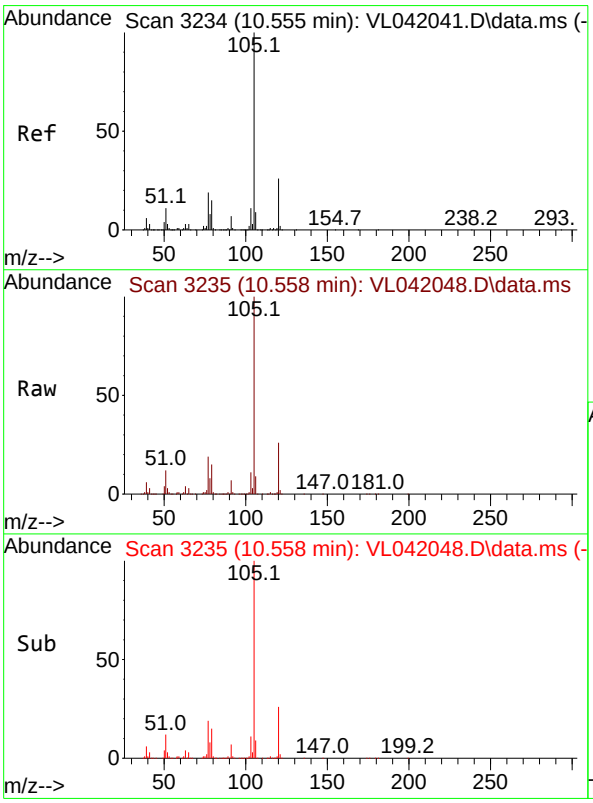
#61
Styrene
Concen: 9.959 ppbv
RT: 9.891 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:104 Resp: 241617

Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.0	61.4
103	45.3	37.0	55.6

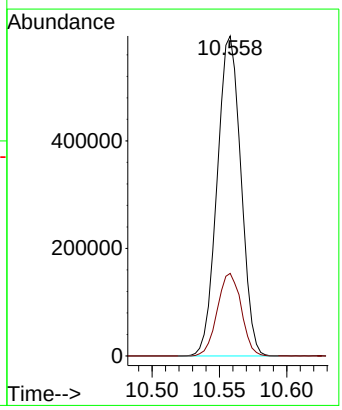


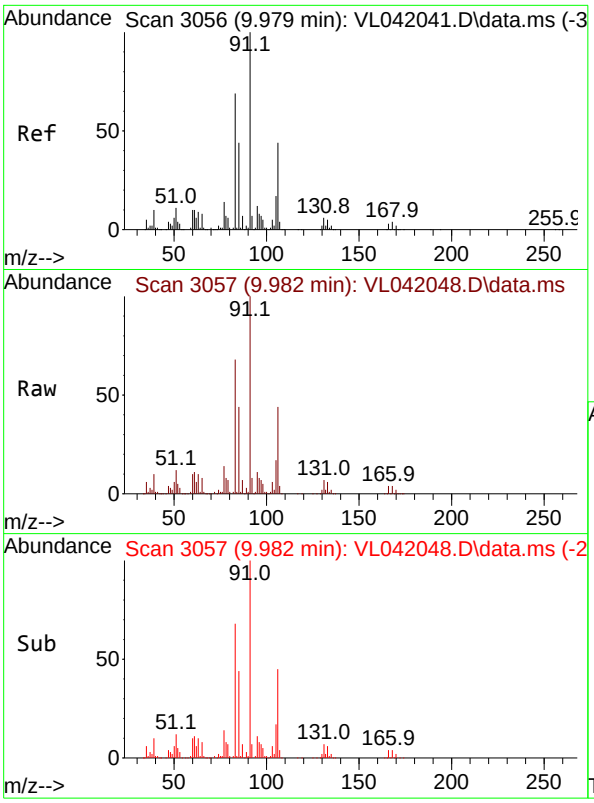


#62
Isopropylbenzene
Concen: 9.437 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 729350

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1



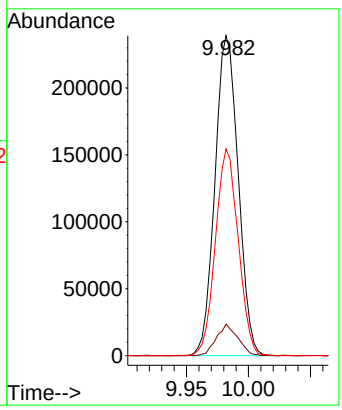


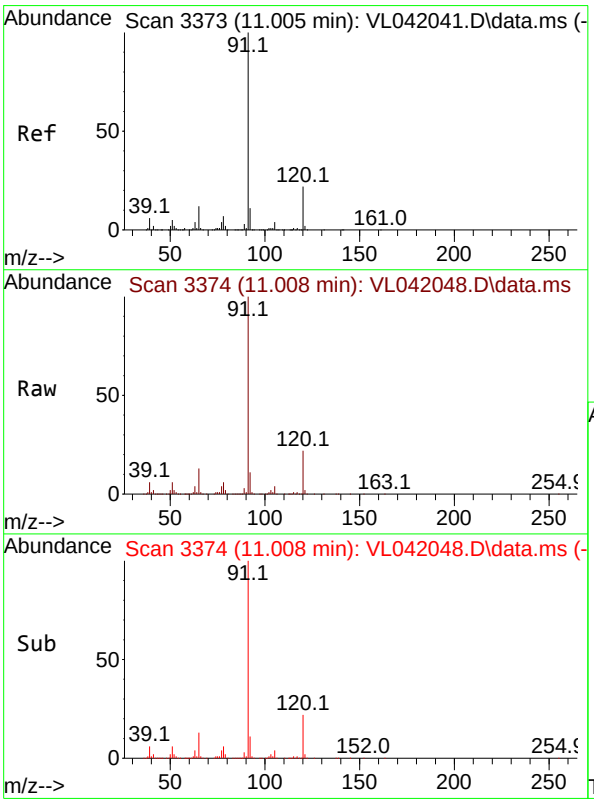
#63
1,1,2,2-Tetrachloroethane
Concen: 9.204 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 83 Resp: 312794

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.7
85	63.5	32.1	96.3

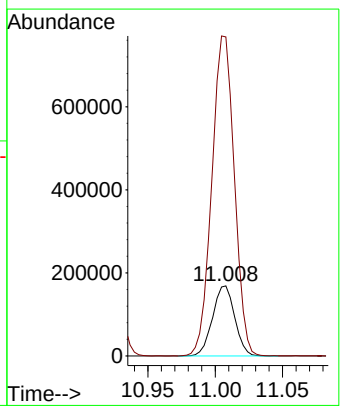


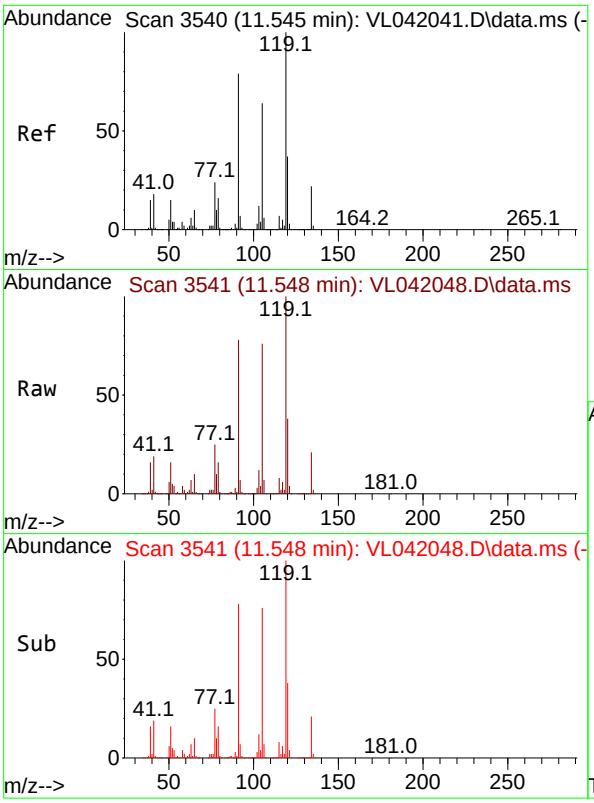


#64
n-propylbenzene
Concen: 9.506 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:120 Resp: 192704

Ion	Ratio	Lower	Upper
120	100		
91	466.1	370.6	556.0



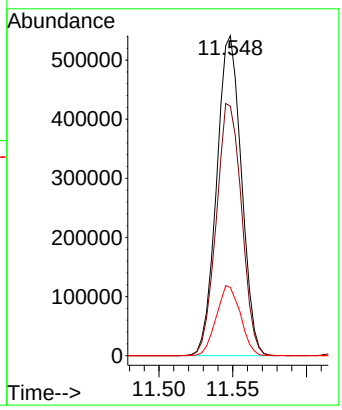


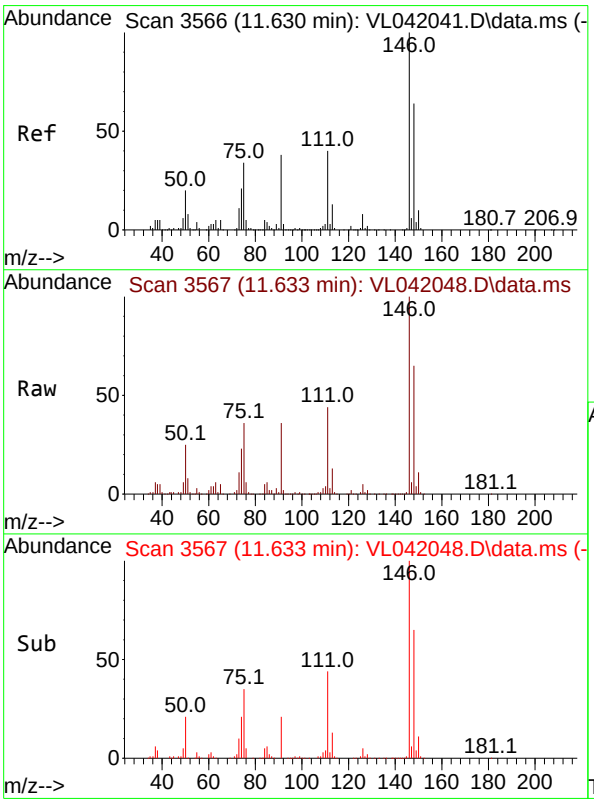
#65
tert-Butylbenzene
Concen: 8.988 ppbv
RT: 11.548 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:119 Resp: 632202

Ion	Ratio	Lower	Upper
119	100		
91	80.5	64.2	96.2
134	21.4	17.4	26.2

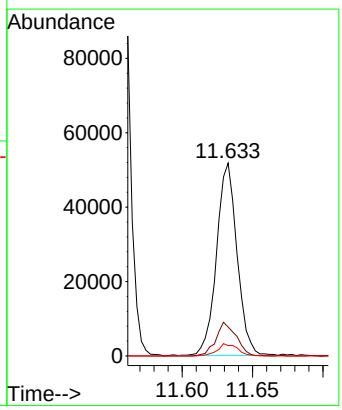


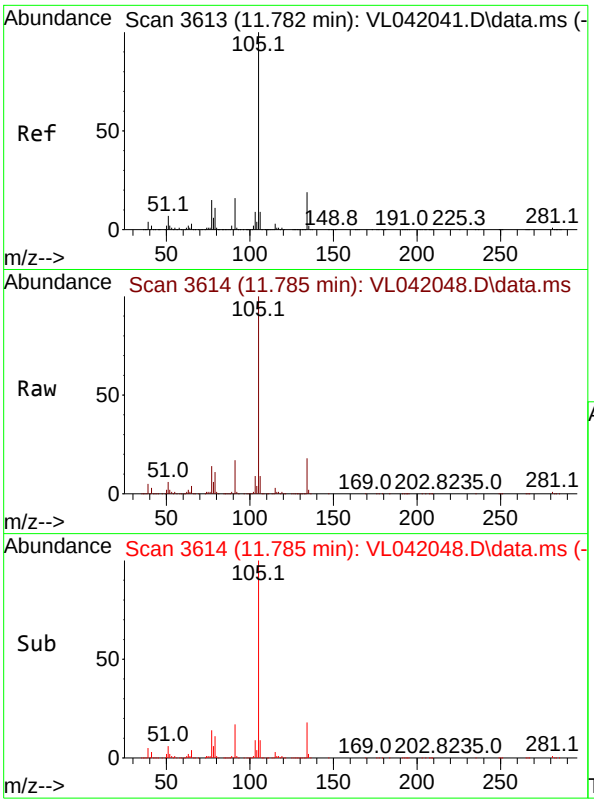


#66
Benzyl Chloride
Concen: 9.808 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 52645

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.5	21.7
128	6.2	5.4	8.2



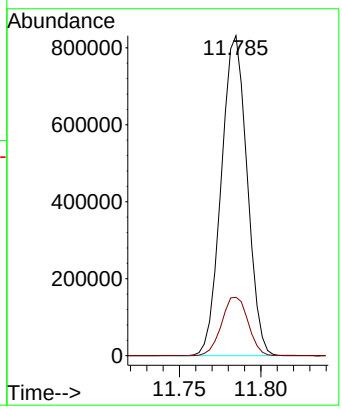


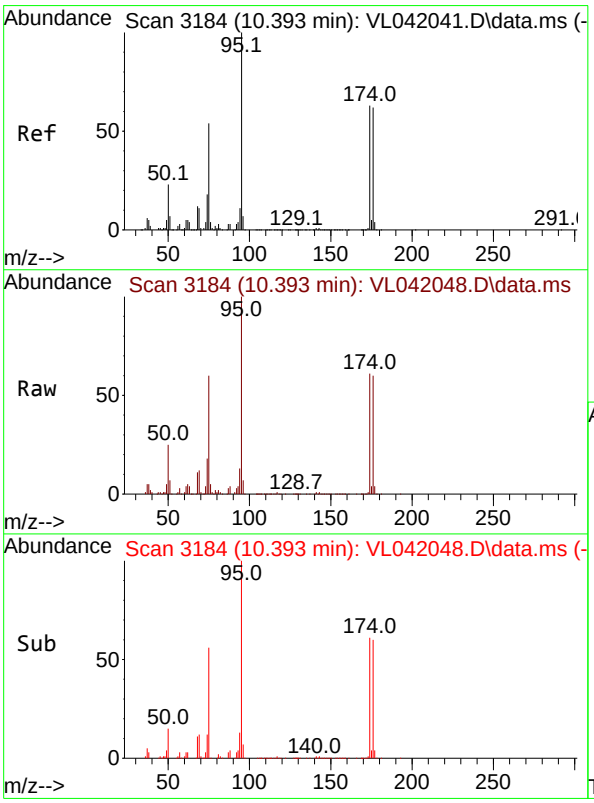
#67
sec-Butylbenzene
Concen: 9.090 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:105 Resp: 914405

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.9	22.3

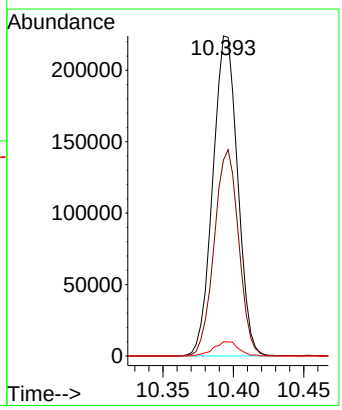


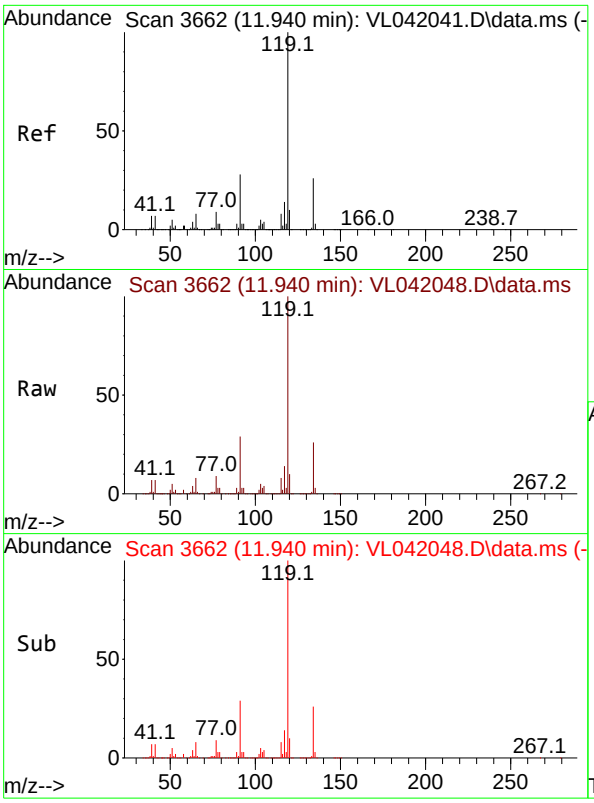


#68
1-Bromo-4-Fluorobenzene
Concen: 10.188 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 95 Resp: 274527

Ion	Ratio	Lower	Upper
95	100		
174	63.6	51.8	77.6
175	4.5	3.9	5.9



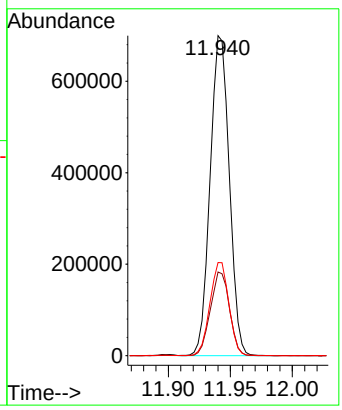


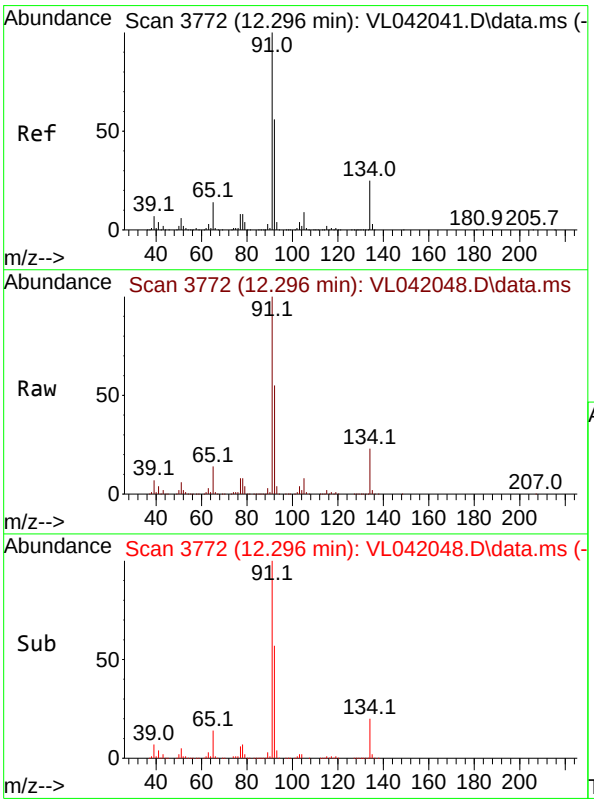
#69
p-Isopropyltoluene
Concen: 9.418 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:119 Resp: 753761

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.9	31.3
91	28.9	23.1	34.7

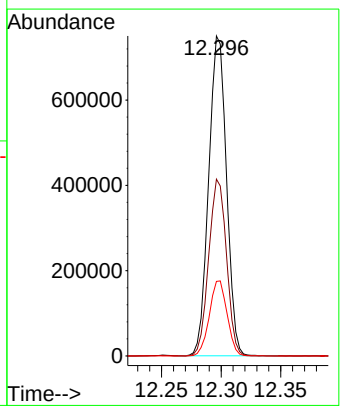


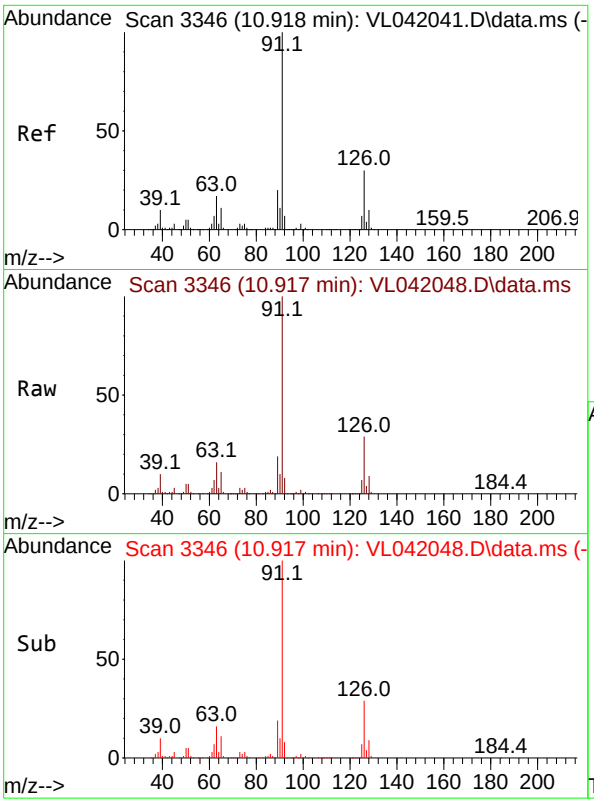


#70
n-Butylbenzene
Concen: 9.560 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion: 91 Resp: 781034

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.7	67.1
134	23.4	18.9	28.3



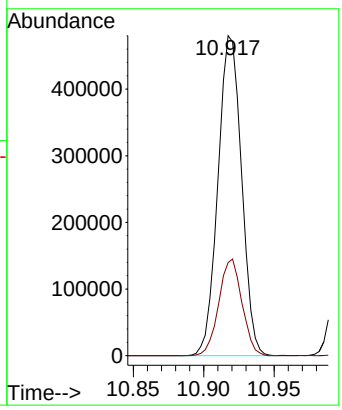


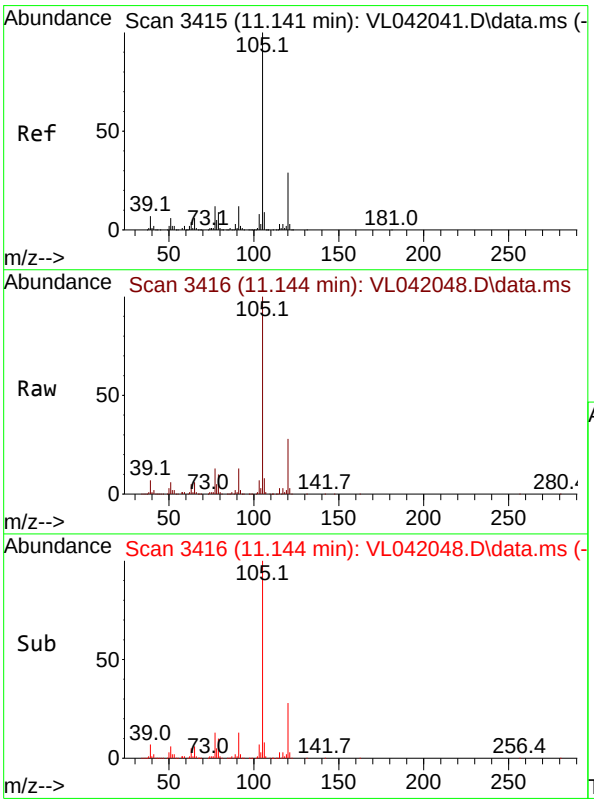
#71
2-Chlorotoluene
Concen: 9.399 ppbv
RT: 10.917 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion: 91 Resp: 559993

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.9	47.5

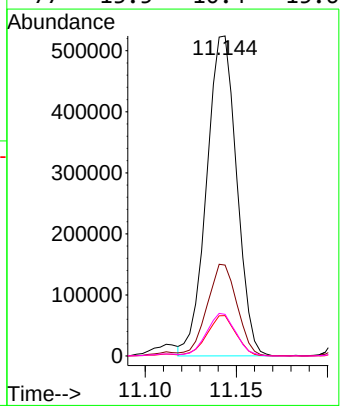


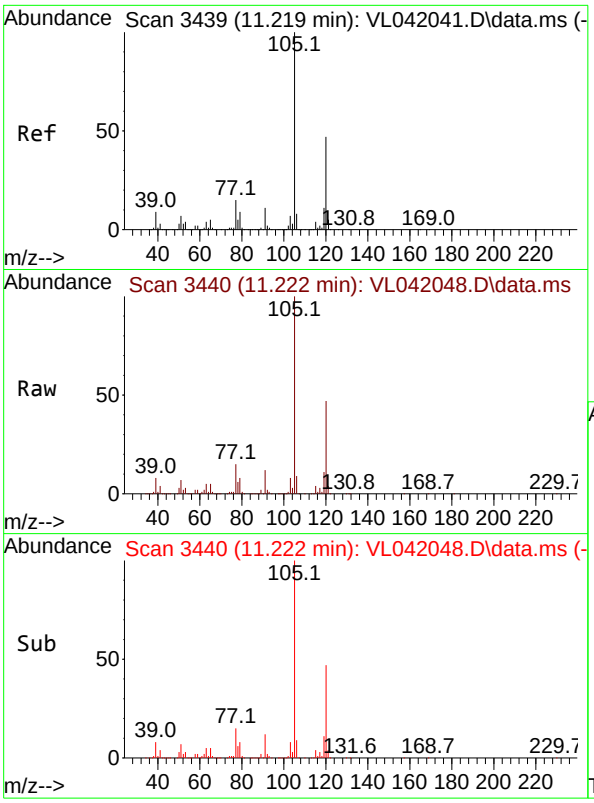


#72
4-Ethyltoluene
Concen: 9.557 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 602156

Ion	Ratio	Lower	Upper
105	100		
120	29.5	24.1	36.1
91	12.7	10.2	15.4
77	13.5	10.4	15.6



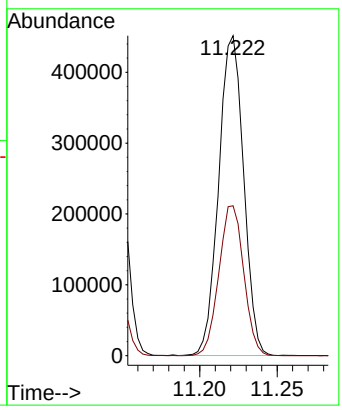


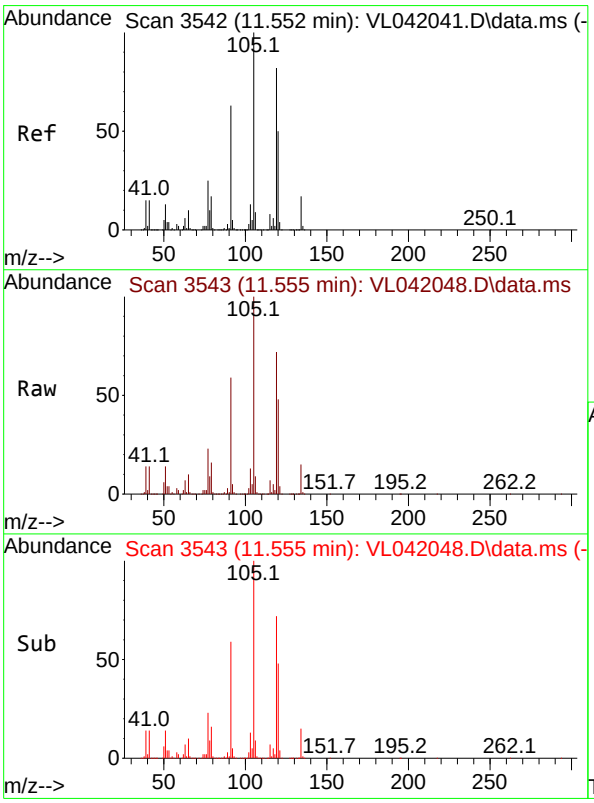
#73
1,3,5-Trimethylbenzene
Concen: 9.248 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:105 Resp: 505451

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.4	56.0

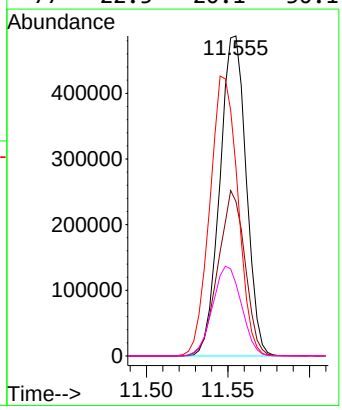


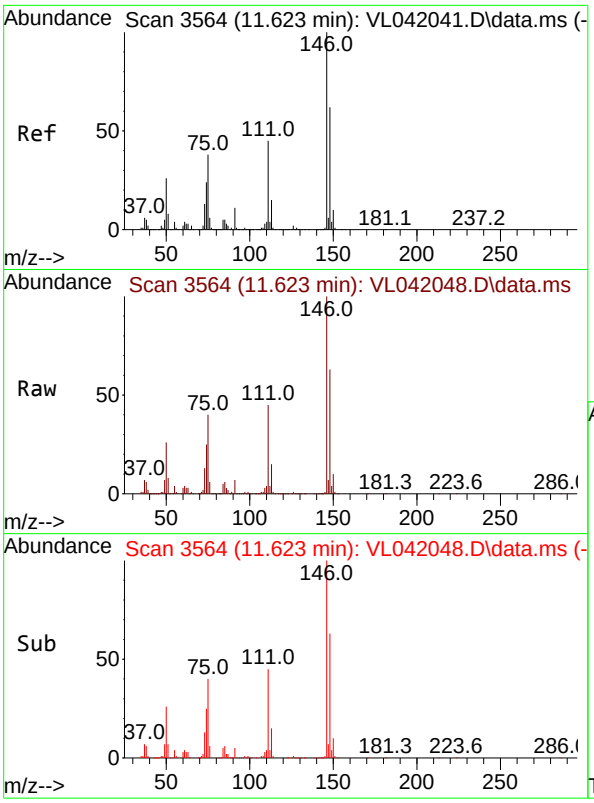


#74
1,2,4-Trimethylbenzene
Concen: 8.891 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:105 Resp: 547176

Ion	Ratio	Lower	Upper
105	100		
120	48.2	40.2	60.2
91	58.9	51.4	77.2
77	22.5	20.1	30.1



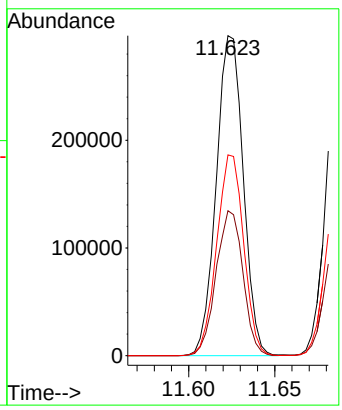


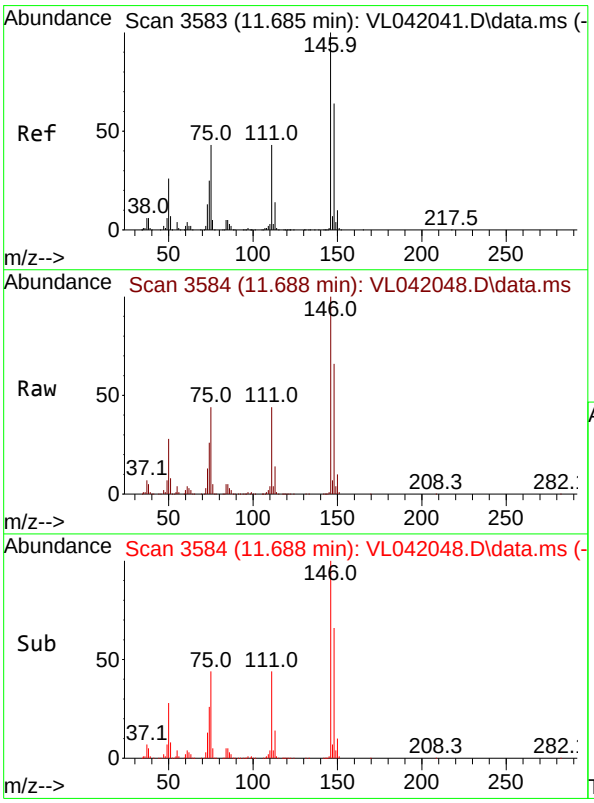
#75
1,3-Dichlorobenzene
Concen: 9.161 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:146 Resp: 324491

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.2
148	62.7	32.3	96.8

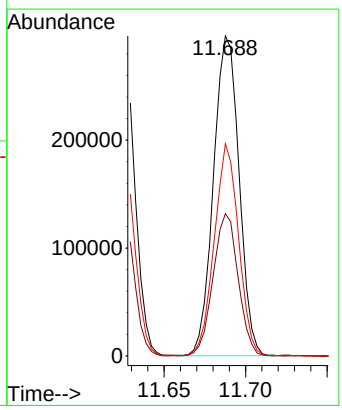


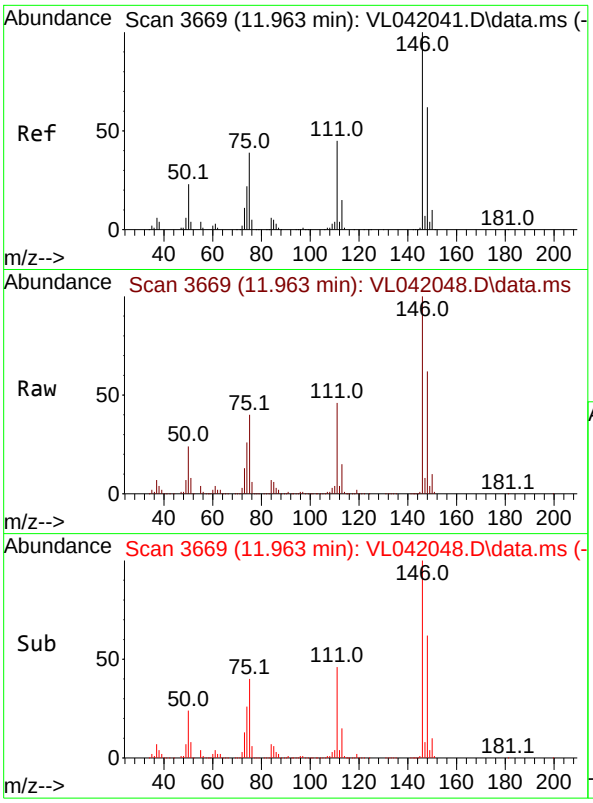


#76
1,4-Dichlorobenzene
Concen: 9.176 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:146 Resp: 322712

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.5	64.5
148	63.2	31.6	95.0



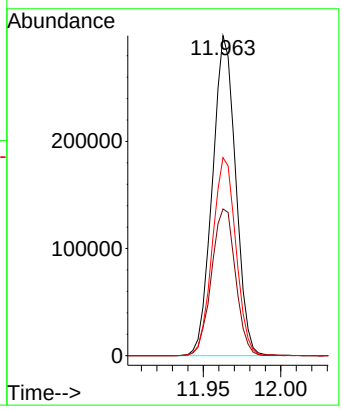


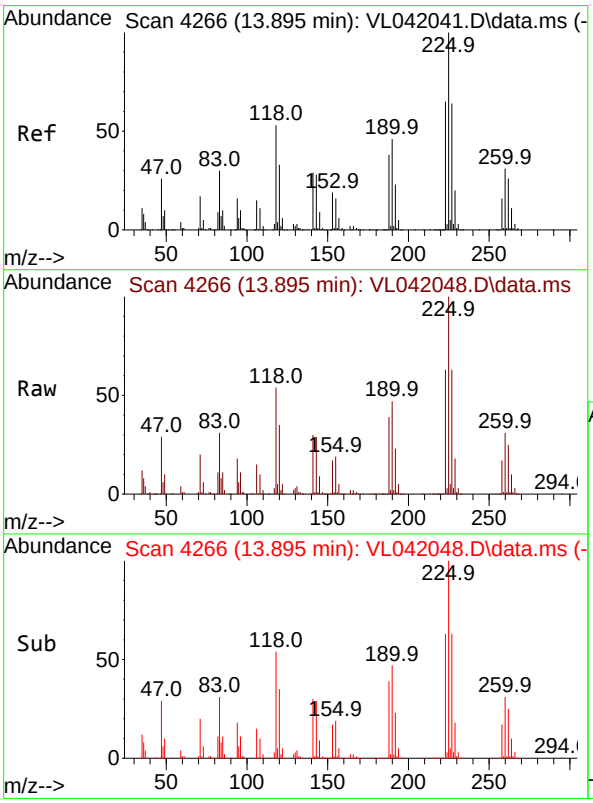
#77
1,2-Dichlorobenzene
Concen: 9.081 ppbv
RT: 11.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:146 Resp: 312159

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.2	69.6
148	62.6	31.4	94.2

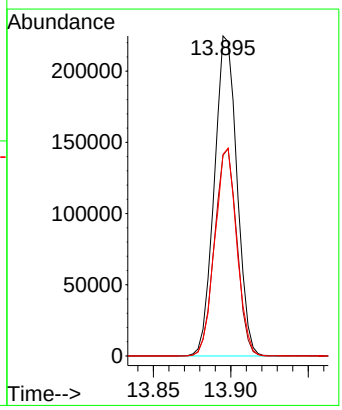


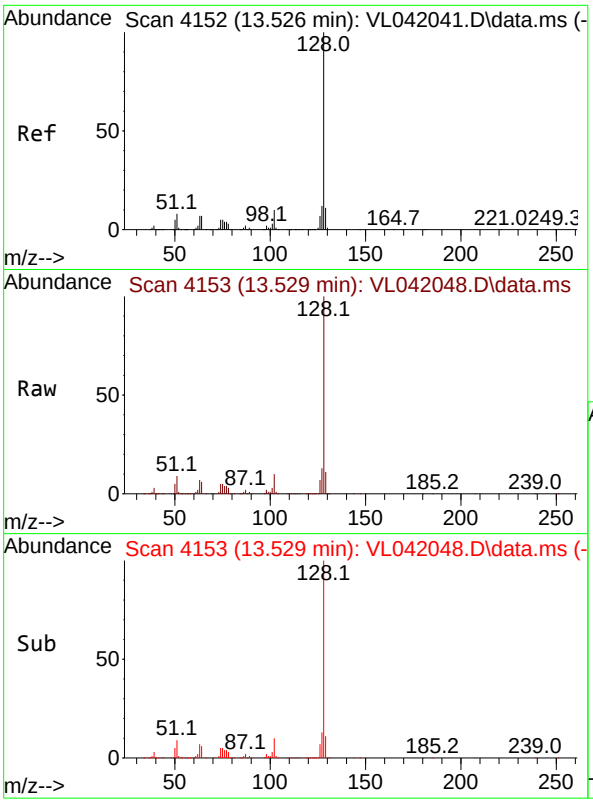


#78
Hexachloro-1,3-Butadiene
Concen: 8.543 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:225 Resp: 228480

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.2
227	63.1	50.8	76.2



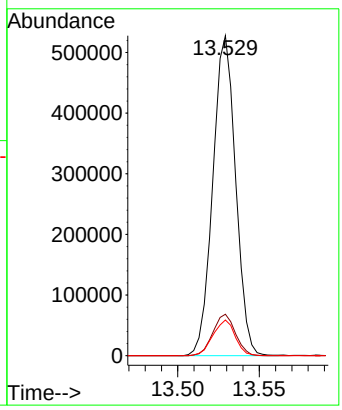


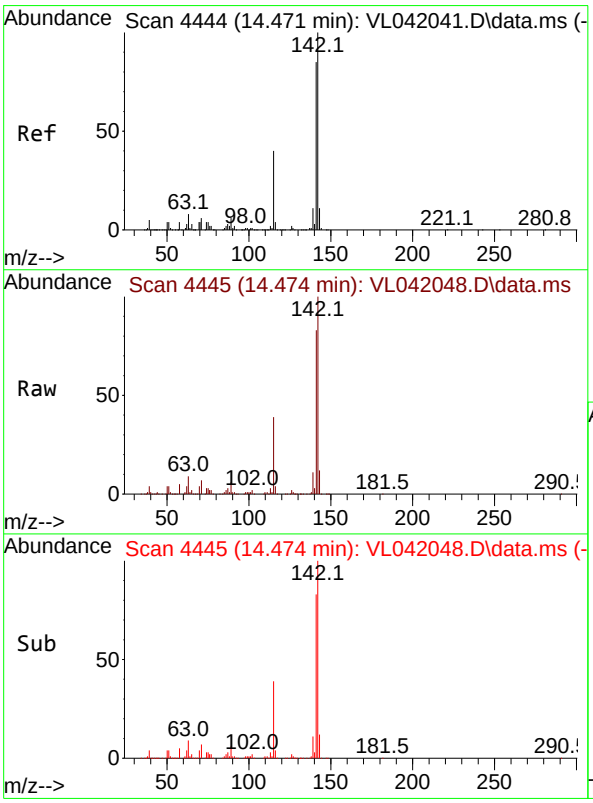
#79
Naphthalene
Concen: 12.160 ppbv
RT: 13.529 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:128 Resp: 513148

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.6
129	11.1	8.6	12.8

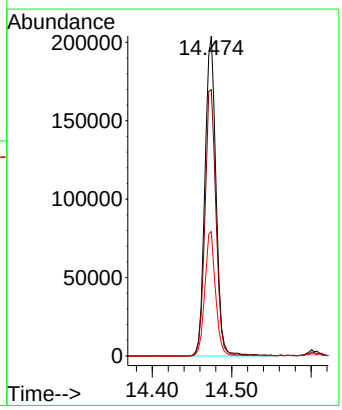


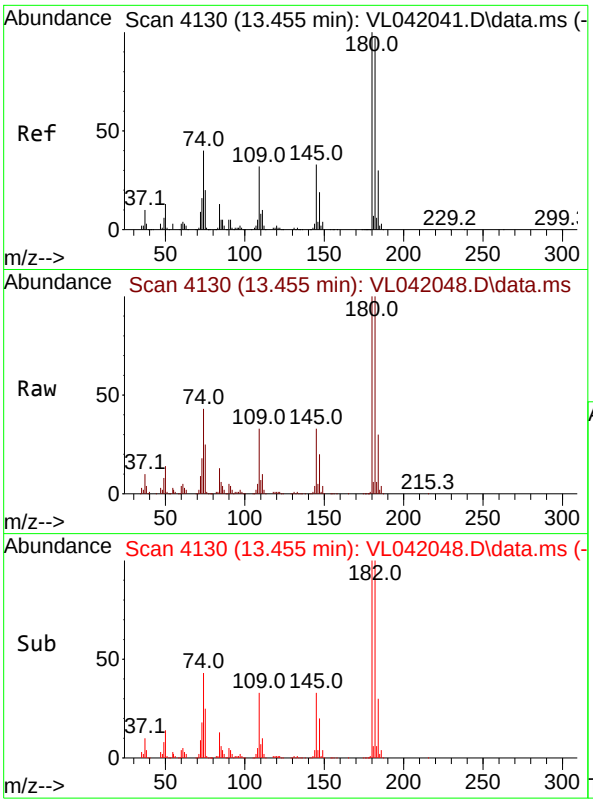


#80
Naphthalene,2-methyl-
Concen: 17.152 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Tgt Ion:142 Resp: 198077

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.6
115	38.2	29.5	44.3



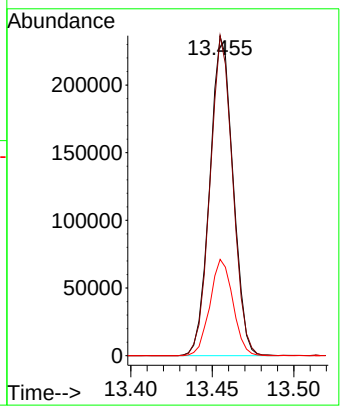


#81
1,2,4-Trichlorobenzene
Concen: 9.965 ppbv
RT: 13.455 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042048.D
Acq: 25 Feb 2025 13:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Tgt Ion:180 Resp: 234354

Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.1	112.7
184	29.7	23.8	35.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	167493	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	395790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	337104	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	286841	11.060	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	184928	10.618	ppbv	98
3) Chlorodifluoromethane	1.480	51	220495	9.058	ppbv	99
4) Chloromethane	1.538	50	72484	11.254	ppbv	100
5) Vinyl Chloride	1.583	62	68484	11.241	ppbv	96
6) Bromomethane	1.674	94	32623	11.245	ppbv	98
7) Chloroethane	1.709	64	26650	10.766	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	159560	11.144	ppbv	98
9) Propene	1.489	41	87298	8.803	ppbv	98
10) Heptane	5.001	43	250907	8.126	ppbv	100
11) Trichlorofluoromethane	1.884	101	201429	11.542	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	143413	10.302	ppbv	97
13) Ethanol	1.729	45	6795	10.794	ppbv	93
14) Bromoethene	1.787	108	53205	10.823	ppbv	98
15) Acetone	1.842	43	154356	10.436	ppbv	98
16) 1,3-Butadiene	1.615	39	73169	10.630	ppbv	98
17) tert-Butyl alcohol	2.049	59	169215	9.144	ppbv	99
18) 1,1-Dichloroethene	2.043	96	64914	10.320	ppbv	99
19) Isopropyl Alcohol	1.894	45	85293	10.039	ppbv #	36
20) Methylene Chloride	2.069	84	66711	11.923	ppbv	96
21) Allyl Chloride	2.104	41	105215	9.845	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	70772	9.652	ppbv	98
23) Vinyl Acetate	2.473	43	85199	8.192	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	143507	10.518	ppbv	99
25) Ethyl Acetate	2.849	43	522573	8.826	ppbv	99
26) Hexane	2.839	57	215056	8.985	ppbv	97
27) Carbon Disulfide	2.159	76	168859	10.407	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	106277	8.918	ppbv	97
29) Chloroform	2.862	83	281634	8.743	ppbv	99
30) Cyclohexane	3.875	84	154902	7.973	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	175545	7.747	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	255298	8.170	ppbv	96
34) 2-Butanone	2.570	43	280367	9.093	ppbv	97
35) Carbon Tetrachloride	3.781	117	267761	9.811	ppbv	96
36) Benzene	3.674	78	370323	8.938	ppbv	98
37) 1,2-Dichloroethane	3.234	62	208967	9.097	ppbv	99
38) Trichloroethene	4.574	130	139636	8.253	ppbv	98
39) 1,2-Dichloropropane	4.334	63	139773	8.888	ppbv	99
40) 1,4-Dioxane	4.609	88	64556	8.992	ppbv #	99
41) Tetrahydrofuran	3.069	42	158186	8.682	ppbv	97
42) Bromodichloromethane	4.512	83	280274	9.055	ppbv	100
43) Methyl Methacrylate	4.904	69	130801	8.084	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	671554	9.184	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	115280	7.171	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	165501	7.956	ppbv		96
47) 1,1,2-Trichloroethane	6.610	97	145150	9.091	ppbv		96
48) Dibromochloromethane	7.409	129	224553	8.980	ppbv		98
49) Bromoform	9.500	173	200168	9.218	ppbv		97
50) 4-Methyl-2-Pentanone	5.784	43	373666	9.370	ppbv		96
51) 2-Hexanone	7.461	43	295520	10.767	ppbv	#	95
52) Tetrachloroethene	8.247	164	118316	8.341	ppbv		93
53) Toluene	6.959	91	381354	8.235	ppbv		99
54) 1,2-Dibromoethane	7.678	107	185862	8.611	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.943	131	184992	9.709	ppbv		99
57) Chlorobenzene	8.940	112	331509	9.485	ppbv		98
58) Ethyl Benzene	9.374	91	534526	8.610	ppbv		96
59) m/p-Xylene	9.549	91	453561	9.181	ppbv	#	100
60) o-Xylene	9.979	91	462522	9.313	ppbv		99
61) Styrene	9.888	104	197855	8.473	ppbv		97
62) Isopropylbenzene	10.555	105	683249	9.185	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.982	83	329971	10.088	ppbv		99
64) n-propylbenzene	11.005	120	188690	9.671	ppbv		98
65) tert-Butylbenzene	11.546	119	630108	9.308	ppbv		98
66) Benzyl Chloride	11.626	91	45119	8.734	ppbv	#	98
67) sec-Butylbenzene	11.782	105	911015	9.410	ppbv		99
69) p-Isopropyltoluene	11.940	119	729864	9.476	ppbv		98
70) n-Butylbenzene	12.293	91	749368	9.531	ppbv		99
71) 2-Chlorotoluene	10.918	91	510373	8.901	ppbv		99
72) 4-Ethyltoluene	11.141	105	565254	9.321	ppbv		99
73) 1,3,5-Trimethylbenzene	11.219	105	475661	9.043	ppbv		100
74) 1,2,4-Trimethylbenzene	11.552	105	555462	9.378	ppbv		94
75) 1,3-Dichlorobenzene	11.623	146	328628	9.640	ppbv		97
76) 1,4-Dichlorobenzene	11.685	146	317775	9.389	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	322801	9.758	ppbv		99
78) Hexachloro-1,3-Butadiene	13.892	225	225792	8.772	ppbv		99
79) Naphthalene	13.526	128	468885	11.545	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	135870	12.224	ppbv		99
81) 1,2,4-Trichlorobenzene	13.452	180	210617	9.305	ppbv		97

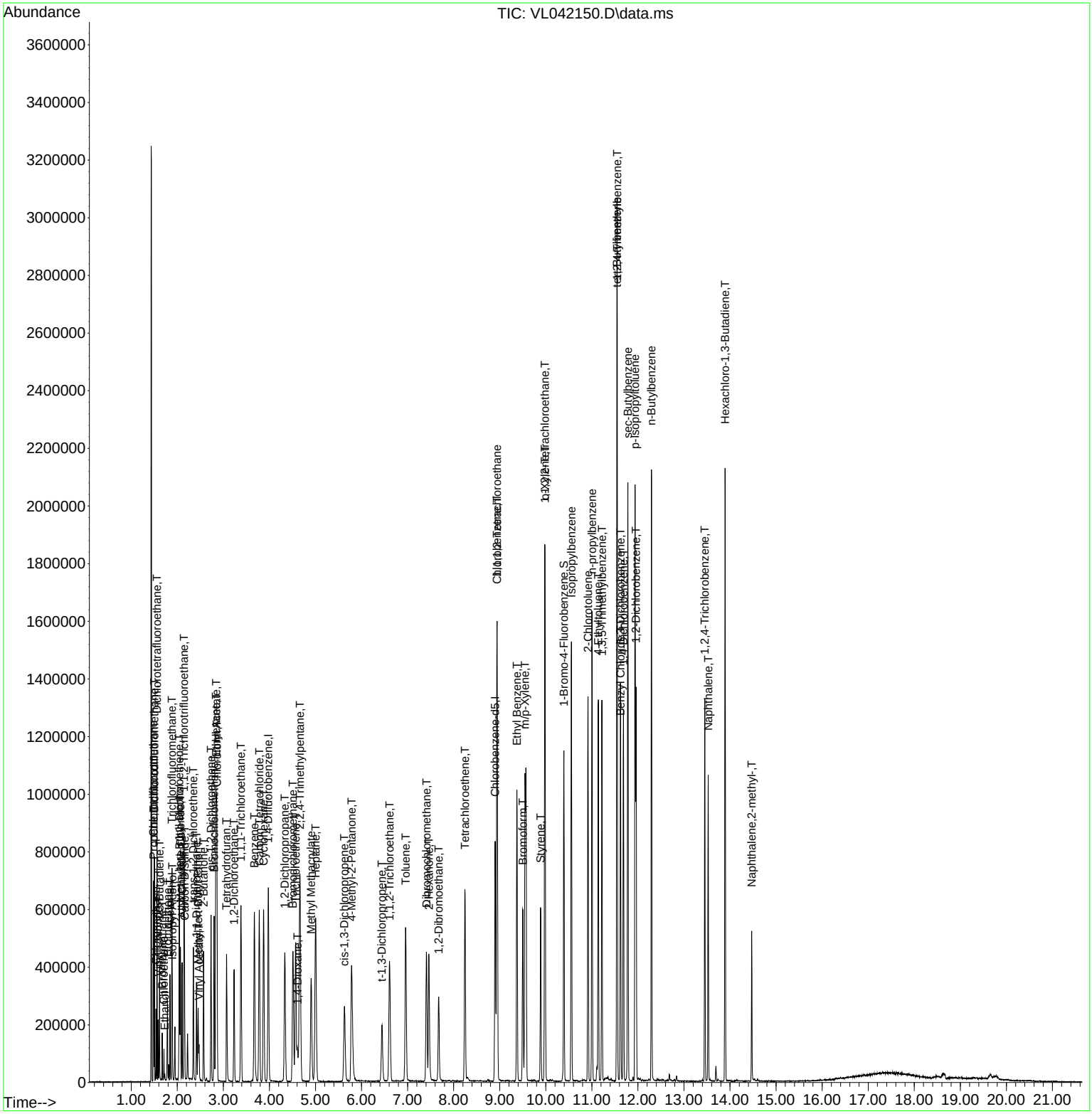
(#) = qualifier out of range (m) = manual integration (+) = signals summed

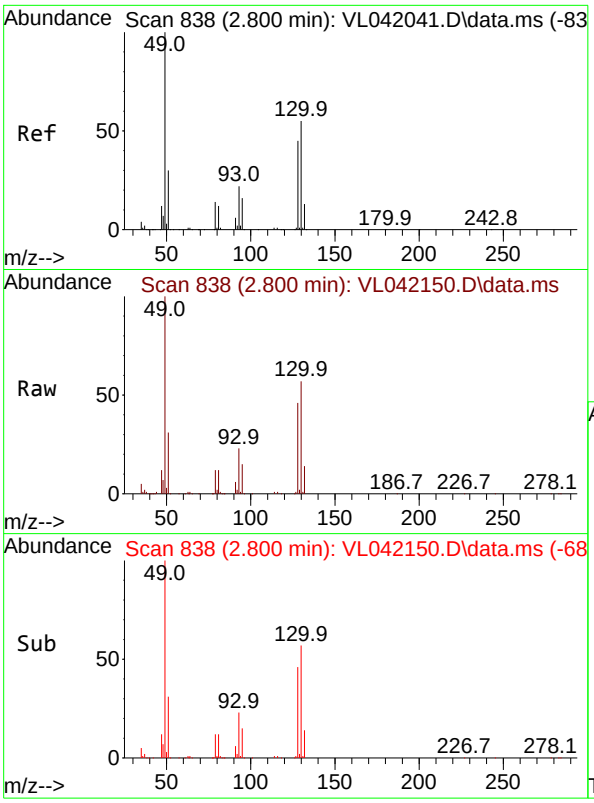
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042150.D
Acq On : 17 Mar 2025 09:55
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



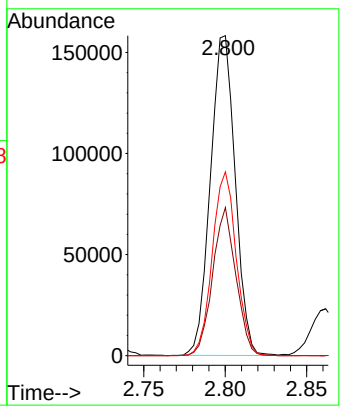


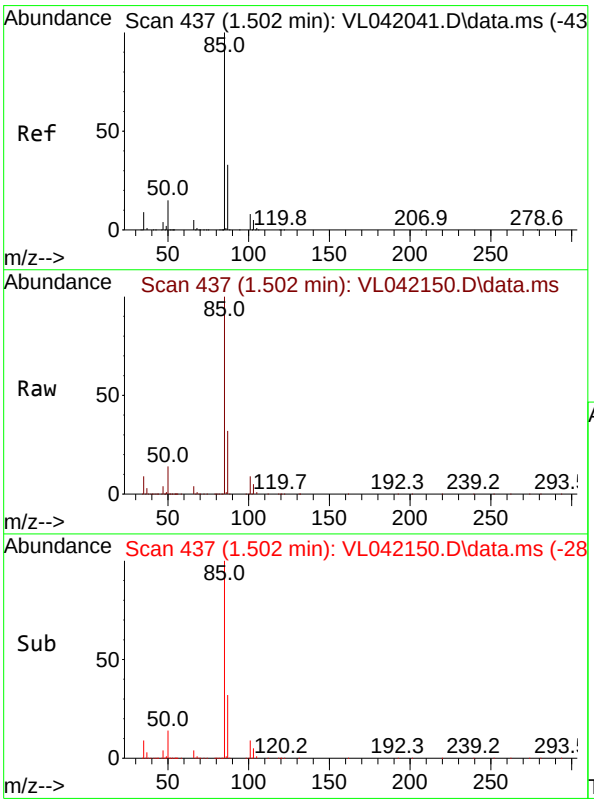
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 167493

Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.6	64.8
130	55.5	27.8	83.4

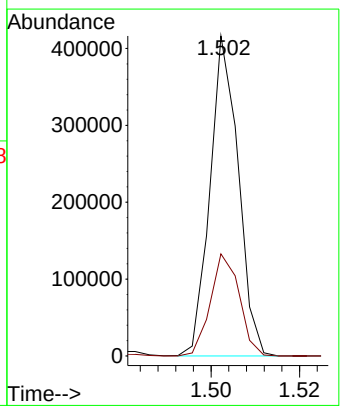


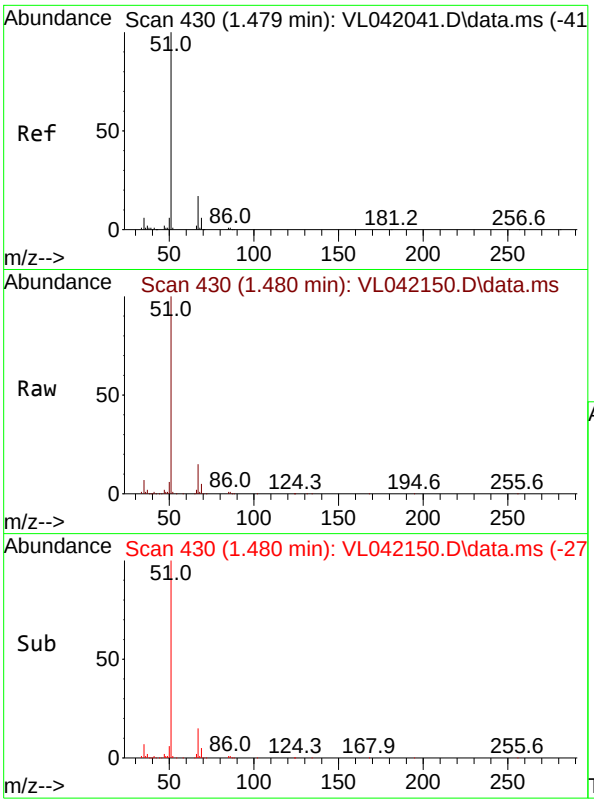


#2
Dichlorodifluoromethane
Concen: 10.618 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 85 Resp: 184928

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.4	39.6



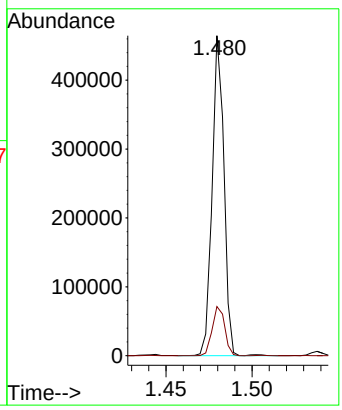


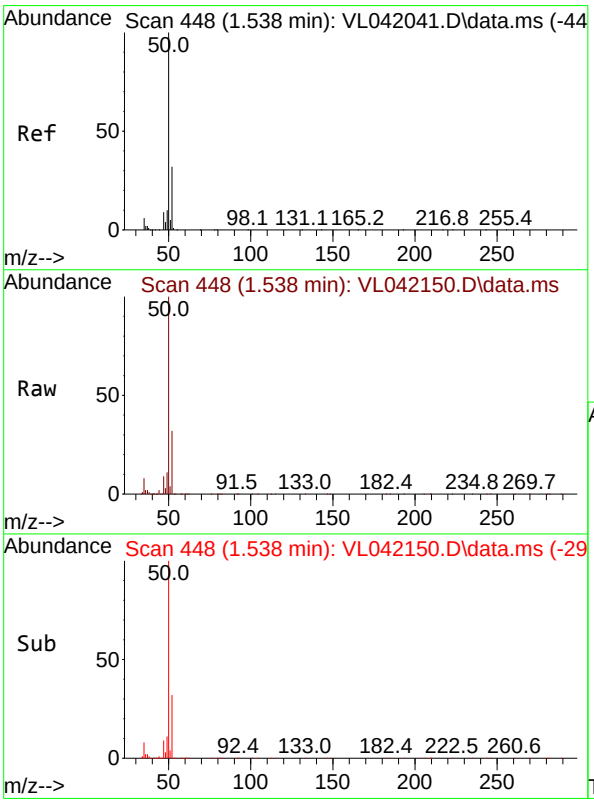
#3
Chlorodifluoromethane
Concen: 9.058 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 220495

Ion	Ratio	Lower	Upper
51	100		
67	16.5	13.7	20.5

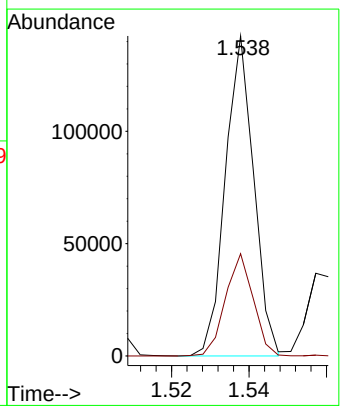


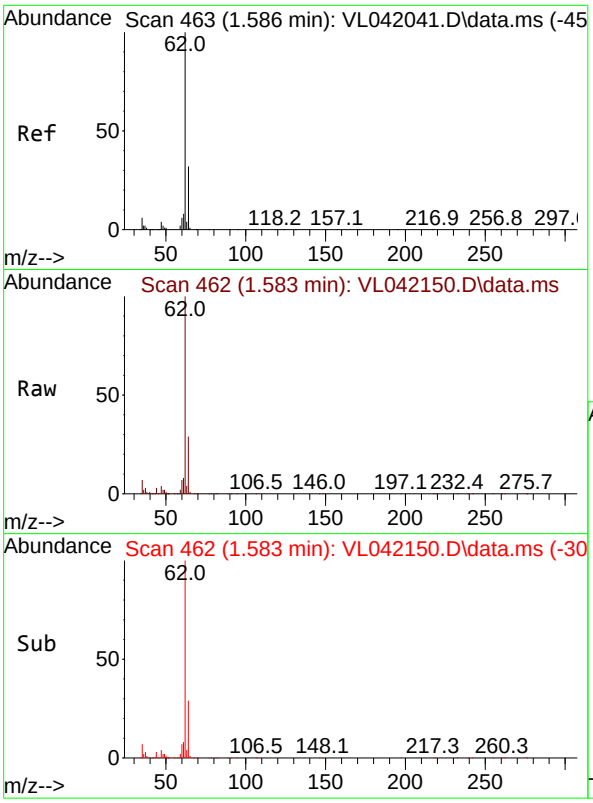


#4
Chloromethane
Concen: 11.254 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 50 Resp: 72484

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.4	38.0



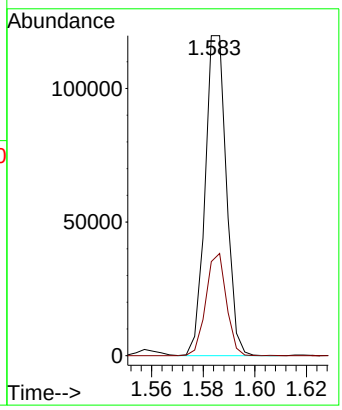


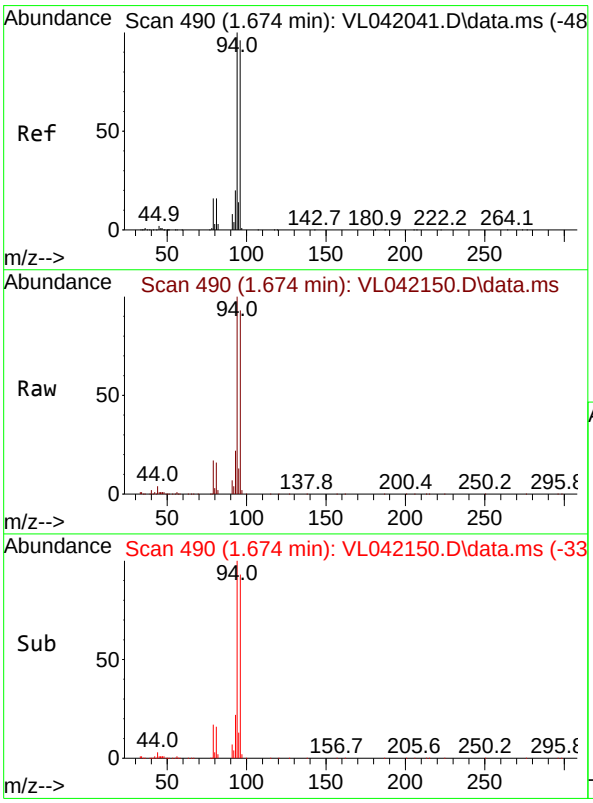
#5
Vinyl Chloride
Concen: 11.241 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 68484

Ion	Ratio	Lower	Upper
62	100		
64	29.4	25.3	37.9

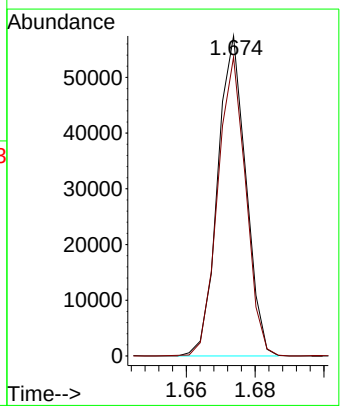


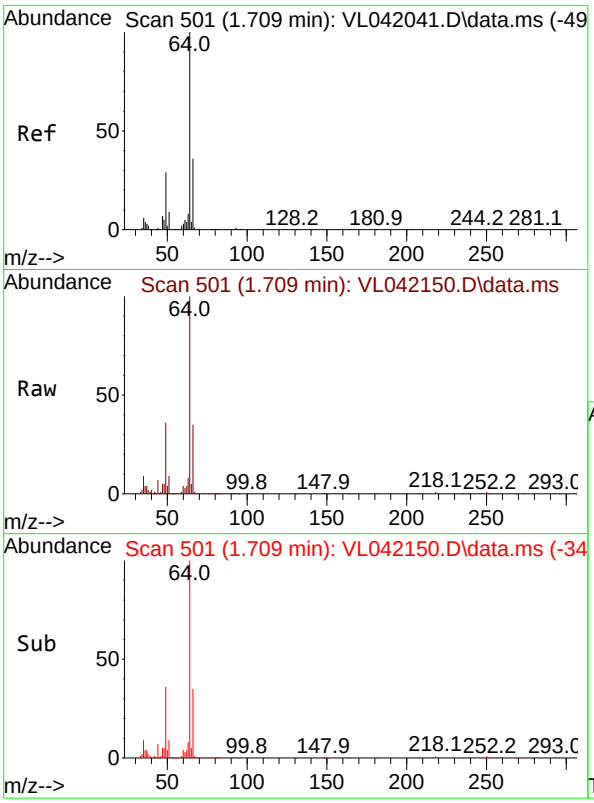


#6
Bromomethane
Concen: 11.245 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 94 Resp: 32623

Ion	Ratio	Lower	Upper
94	100		
96	93.2	76.5	114.7



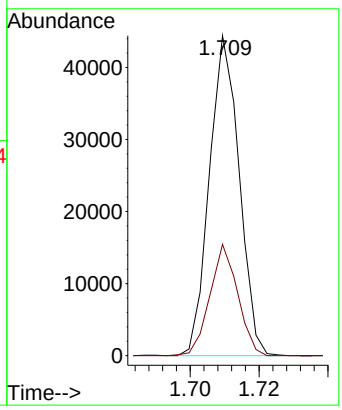


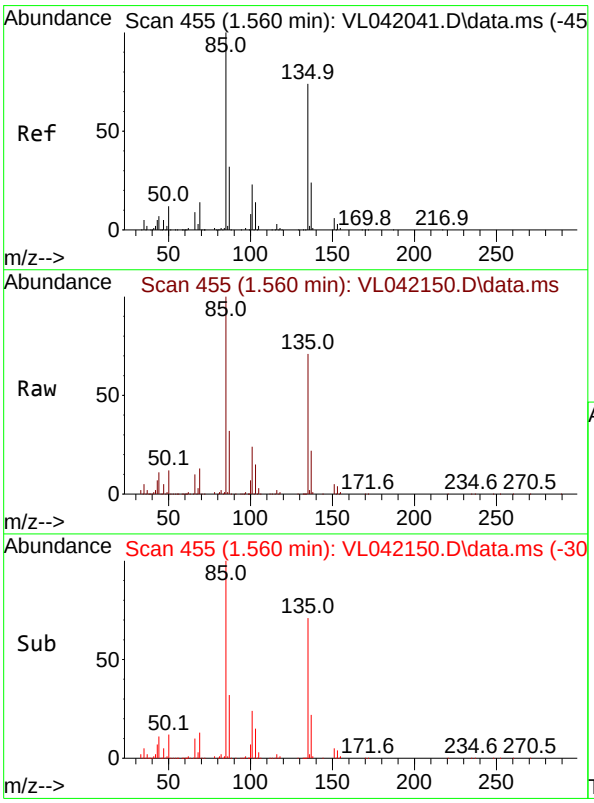
#7
Chloroethane
Concen: 10.766 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 26650

Ion	Ratio	Lower	Upper
64	100		
66	34.8	28.4	42.6

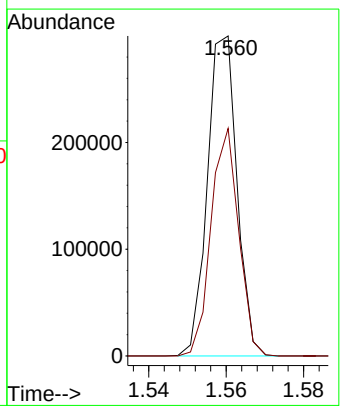


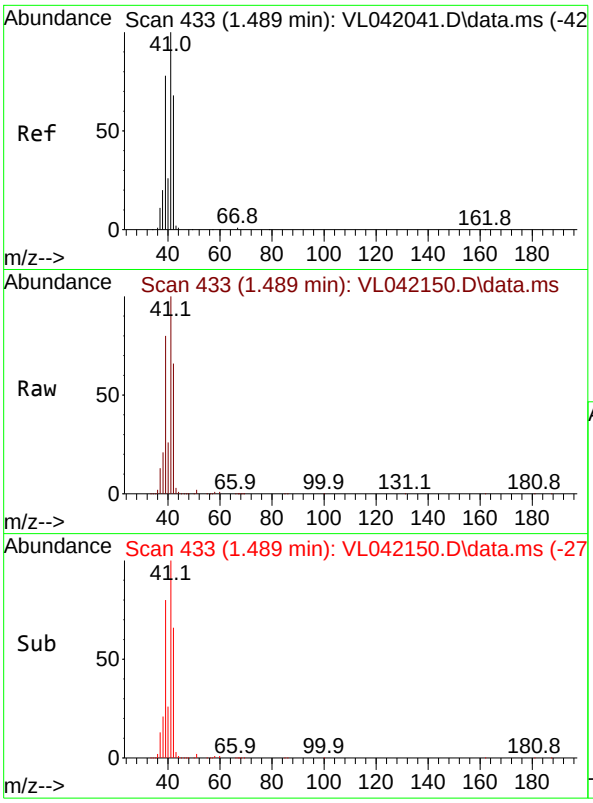


#8
Dichlorotetrafluoroethane
Concen: 11.144 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 85 Resp: 159560

Ion	Ratio	Lower	Upper
85	100		
135	66.3	54.6	81.8



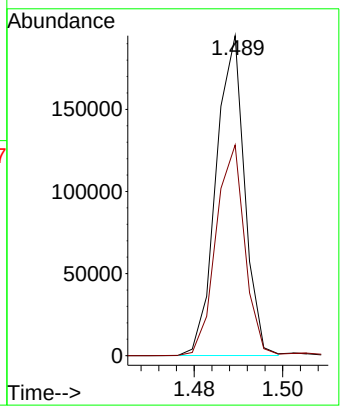


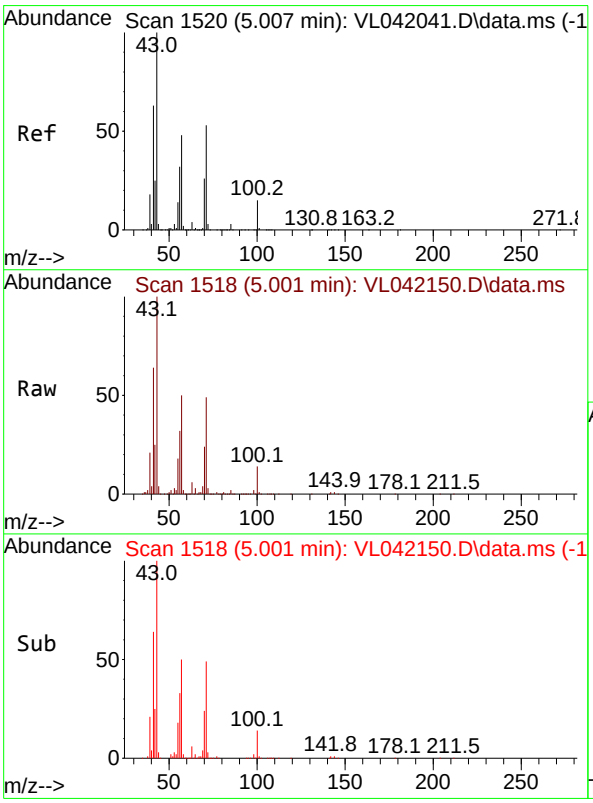
#9
Propene
Concen: 8.803 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 87298

Ion	Ratio	Lower	Upper
41	100		
42	68.2	55.8	83.6

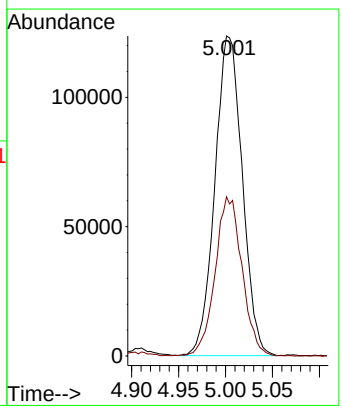


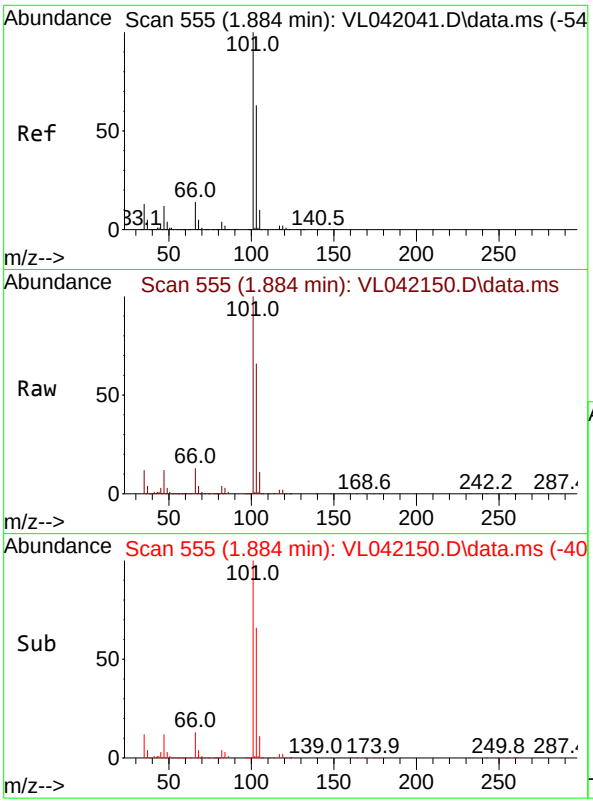


#10
Heptane
Concen: 8.126 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. -0.006 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 250907

Ion	Ratio	Lower	Upper
43	100		
57	48.9	39.4	59.0



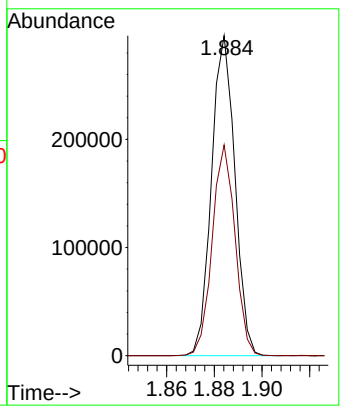


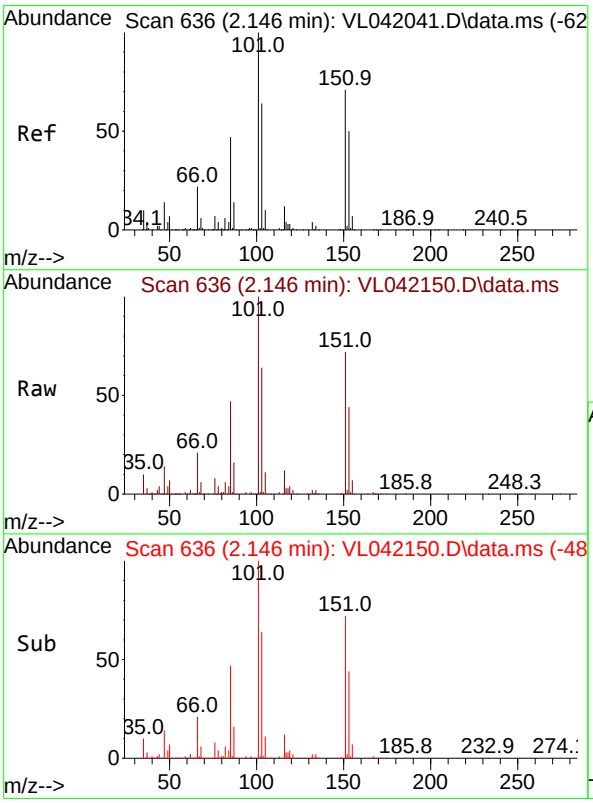
#11
Trichlorofluoromethane
Concen: 11.542 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 201429

Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.6	75.8

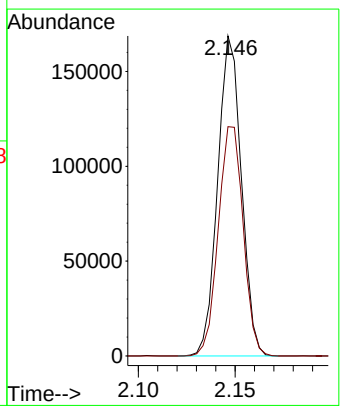


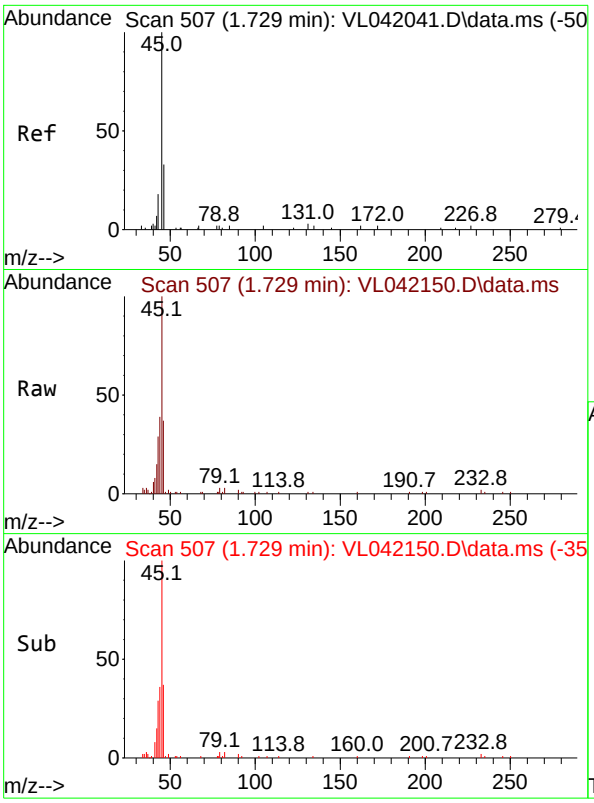


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.302 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:101 Resp: 143413

Ion	Ratio	Lower	Upper
101	100		
151	75.3	62.6	94.0



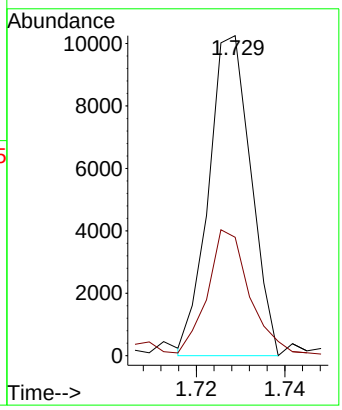


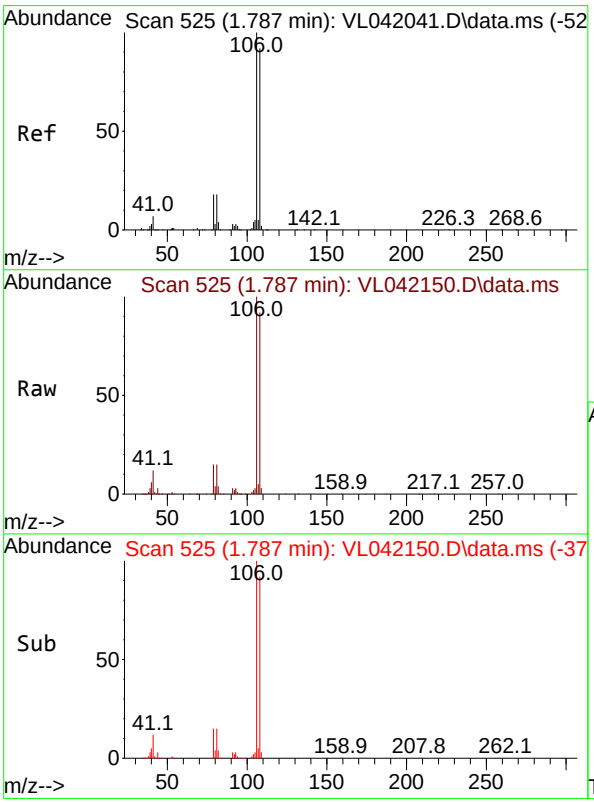
#13
Ethanol
Concen: 10.794 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 6795

Ion	Ratio	Lower	Upper
45	100		
46	46.9	17.1	68.3

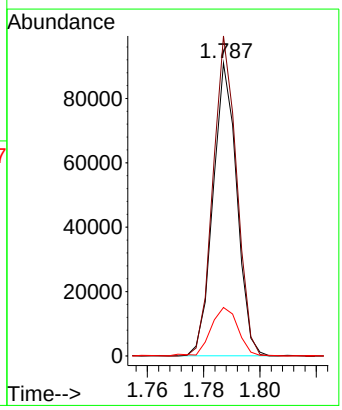


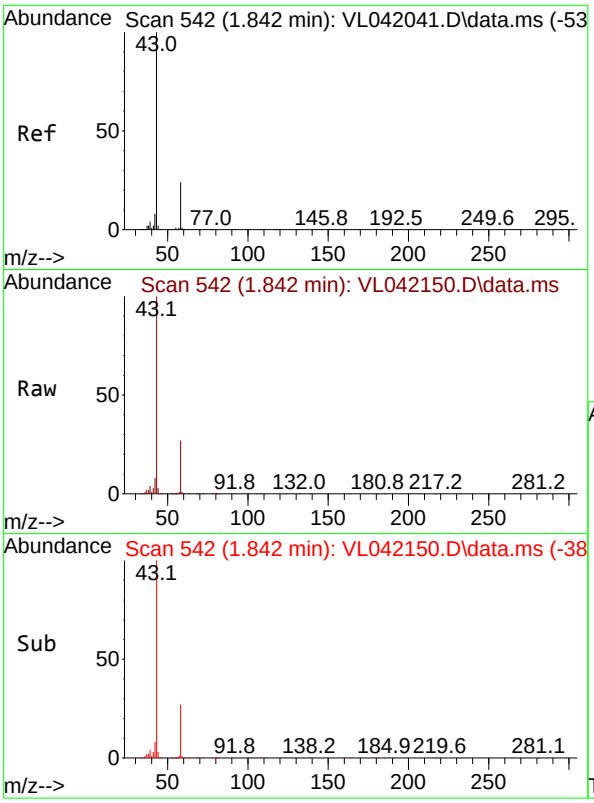


#14
Bromoethene
Concen: 10.823 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:108 Resp: 53205

Ion	Ratio	Lower	Upper
108	100		
106	108.6	85.4	128.0
79	19.3	16.5	24.7



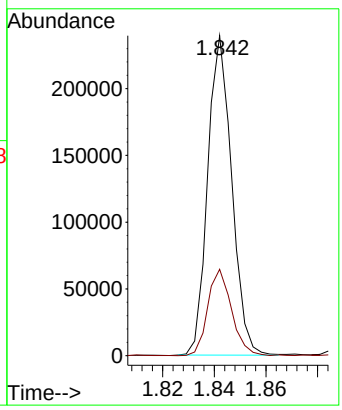


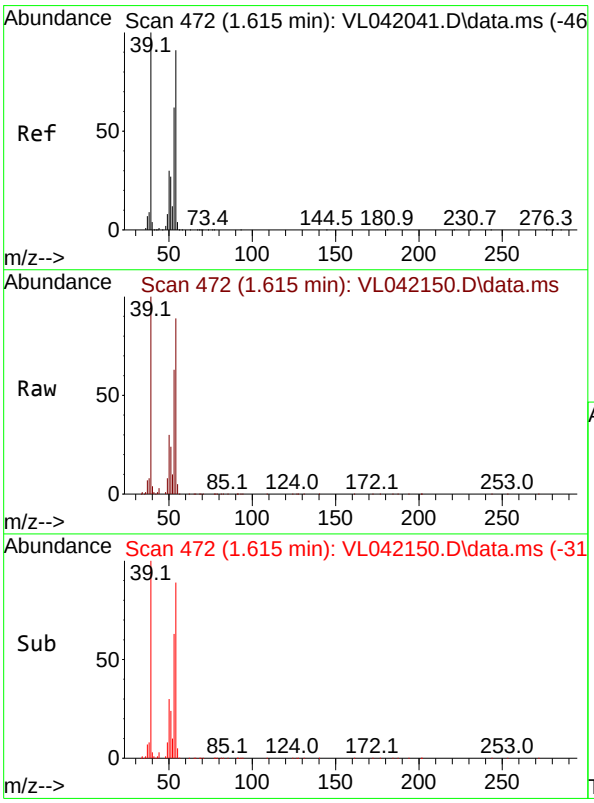
#15
Acetone
Concen: 10.436 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 154356

Ion	Ratio	Lower	Upper
43	100		
58	27.2	20.7	31.1

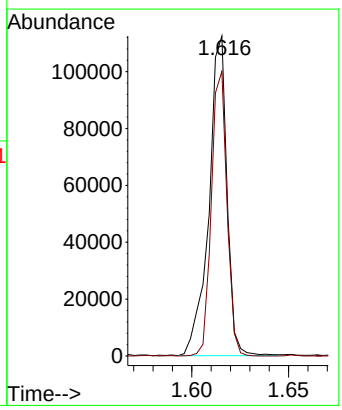


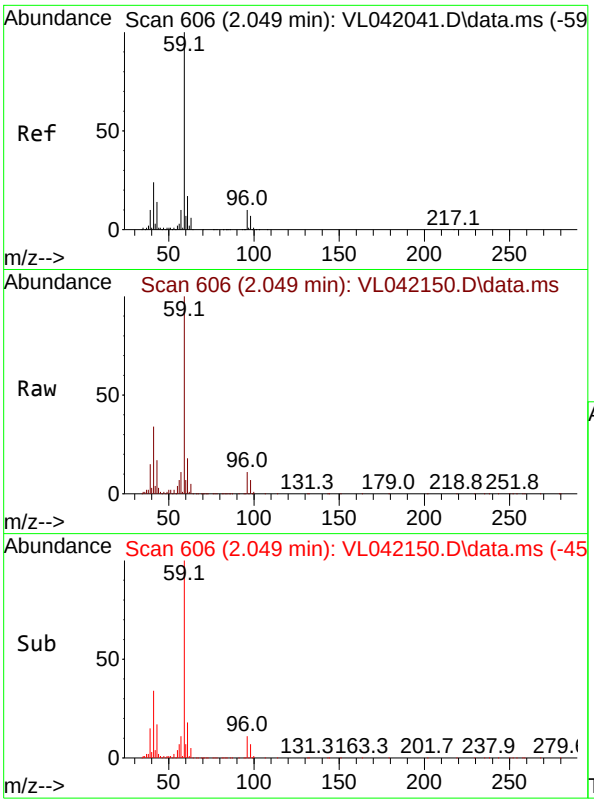


#16
1,3-Butadiene
Concen: 10.630 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 39 Resp: 73169

Ion	Ratio	Lower	Upper
39	100		
54	76.3	59.6	89.4



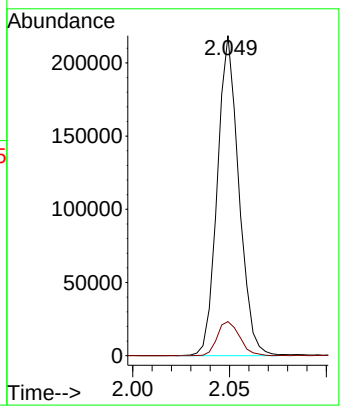


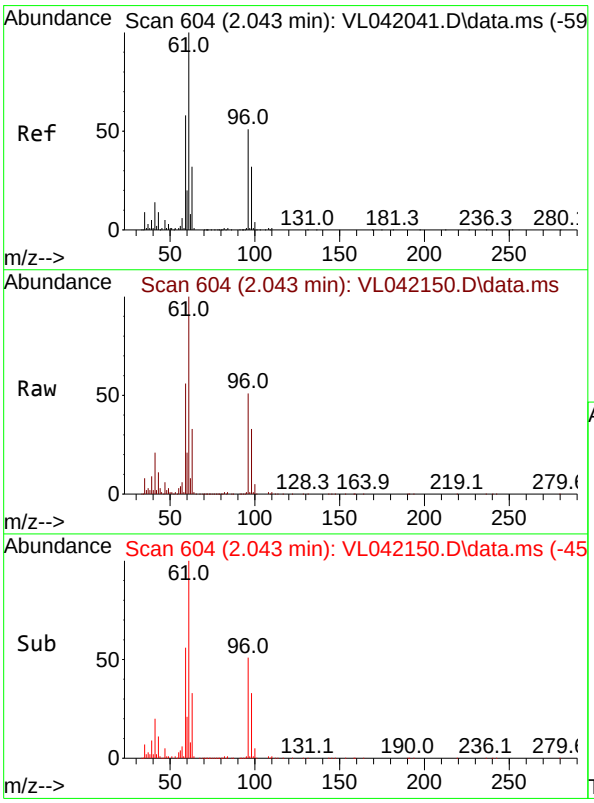
#17
tert-Butyl alcohol
Concen: 9.144 ppbv
RT: 2.049 min Scan# 6(
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 169215

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.3	13.9

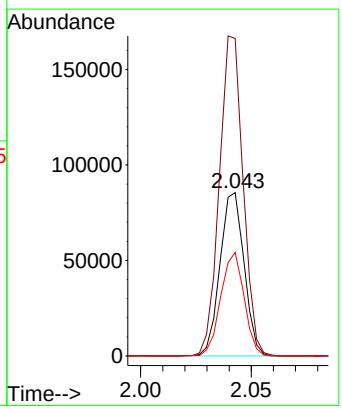


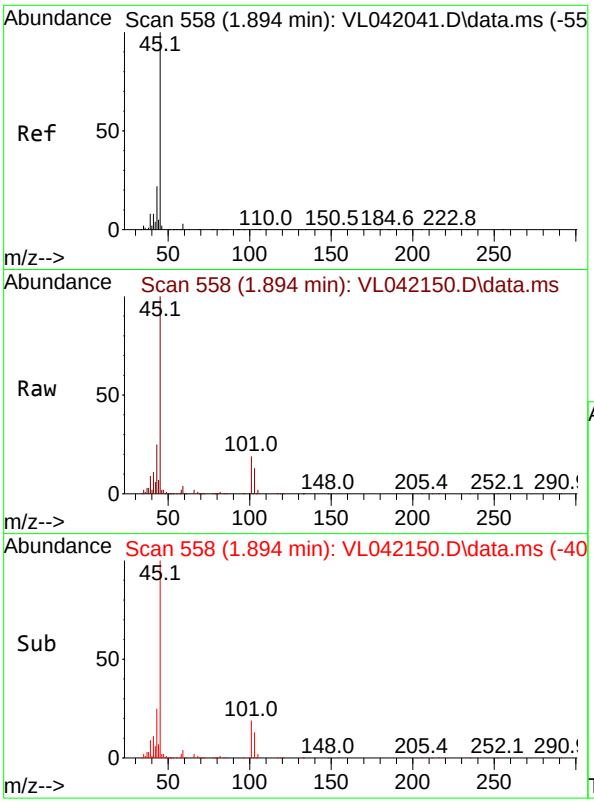


#18
1,1-Dichloroethene
Concen: 10.320 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 96 Resp: 64914

Ion	Ratio	Lower	Upper
96	100		
61	194.5	156.0	234.0
98	63.4	49.4	74.2



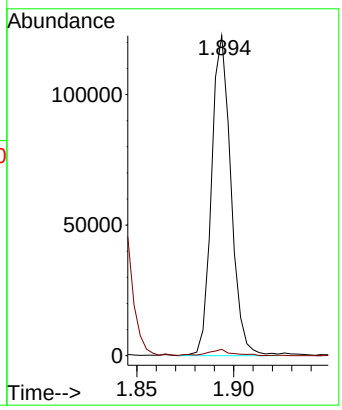


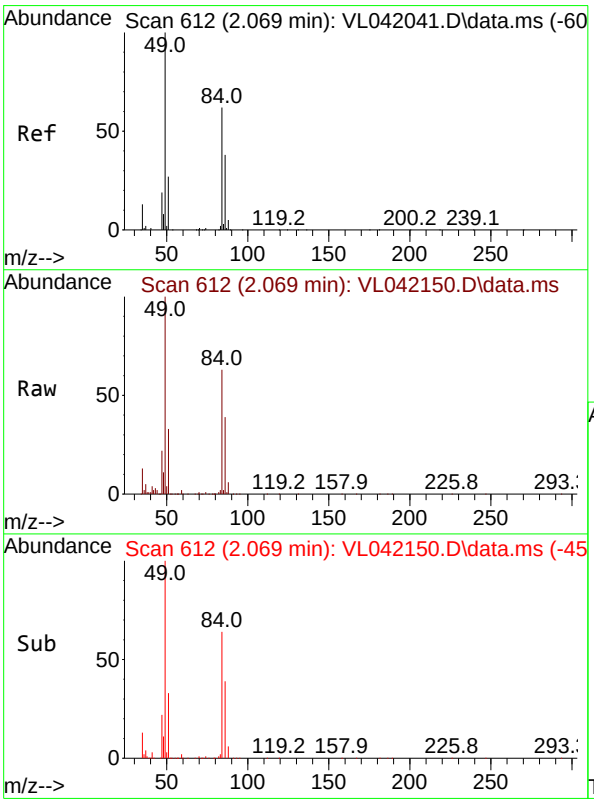
#19
Isopropyl Alcohol
Concen: 10.039 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 85293

Ion	Ratio	Lower	Upper
45	100		
58	2.6	35.3	52.9#

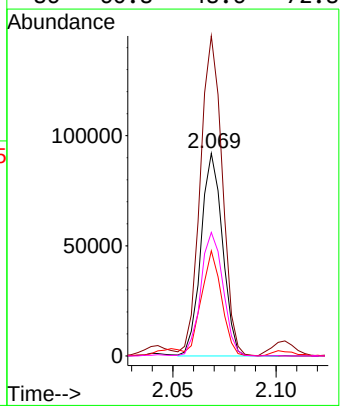


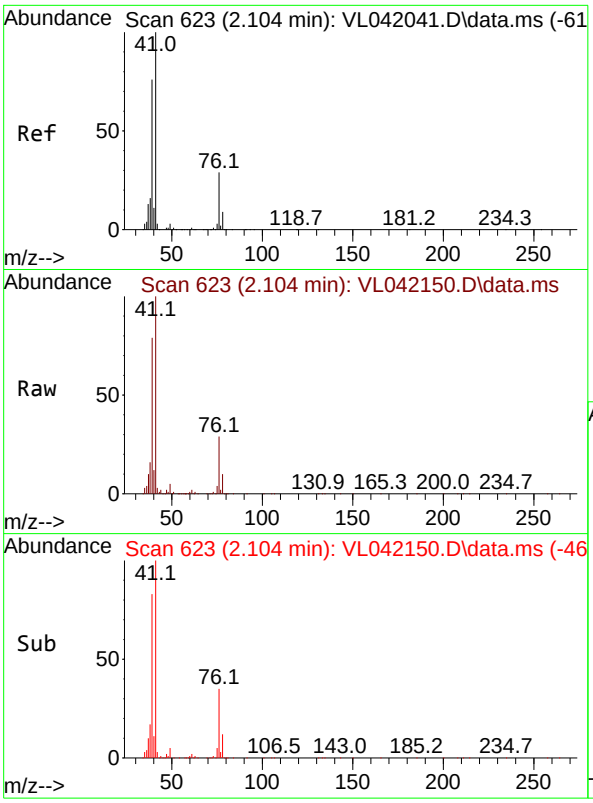


#20
Methylene Chloride
Concen: 11.923 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 84 Resp: 66711

Ion	Ratio	Lower	Upper
84	100		
49	155.9	130.0	195.0
51	49.2	37.4	56.0
86	60.8	48.6	72.8



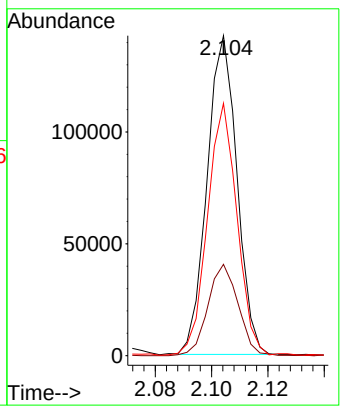


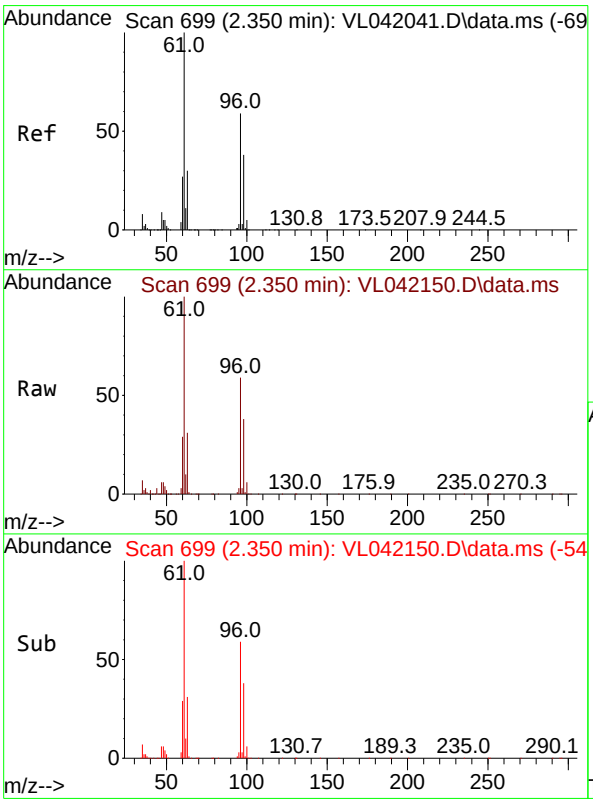
#21
Allyl Chloride
Concen: 9.845 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 105215

Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.8	35.6
39	78.1	63.8	95.6

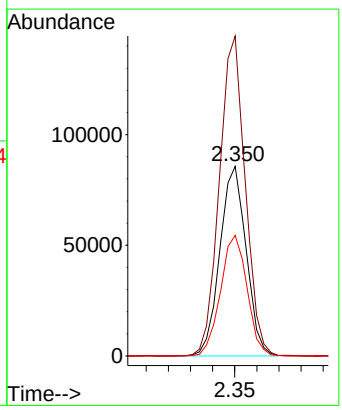


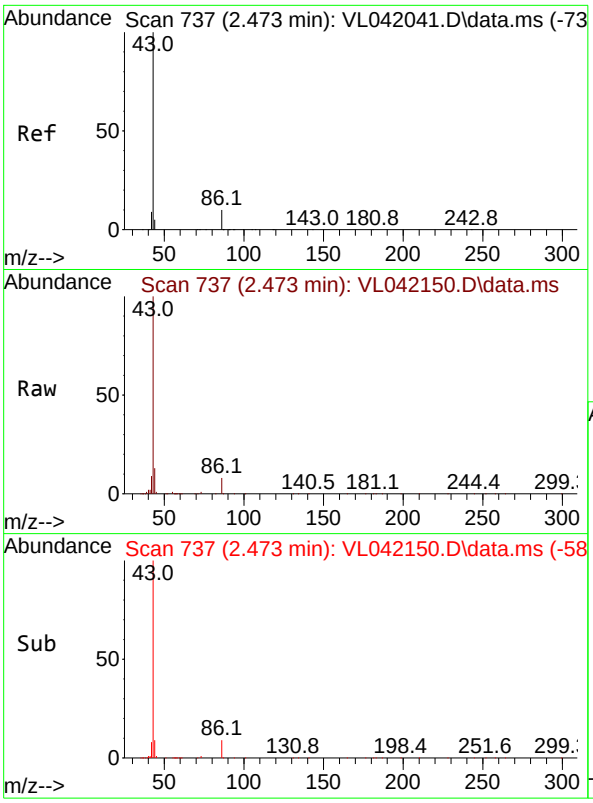


#22
trans-1,2-Dichloroethene
Concen: 9.652 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 96 Resp: 70772

Ion	Ratio	Lower	Upper
96	100		
61	168.6	136.6	205.0
98	63.6	51.8	77.6



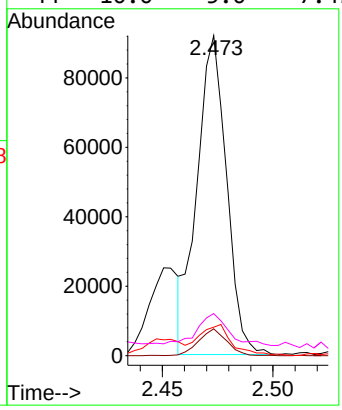


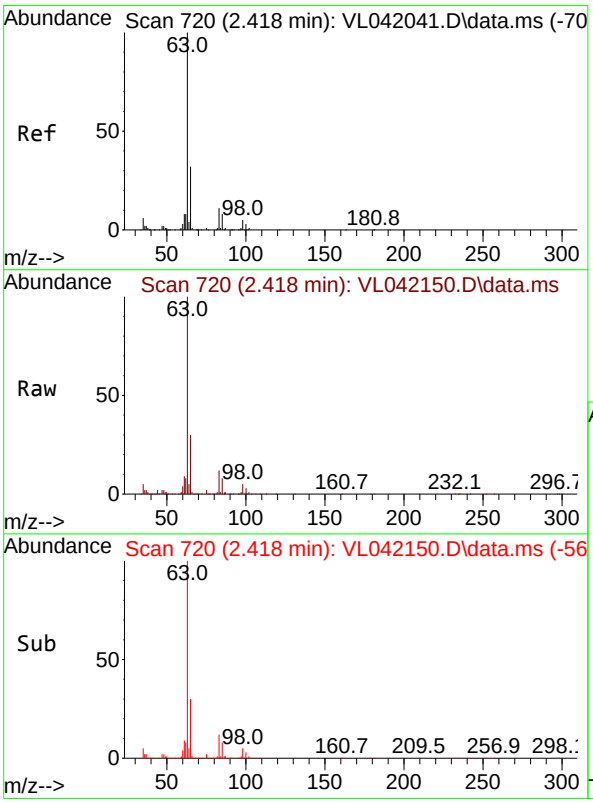
#23
Vinyl Acetate
Concen: 8.192 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 85199

Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.0	10.4
42	8.4	7.6	11.4
44	10.0	5.0	7.4#

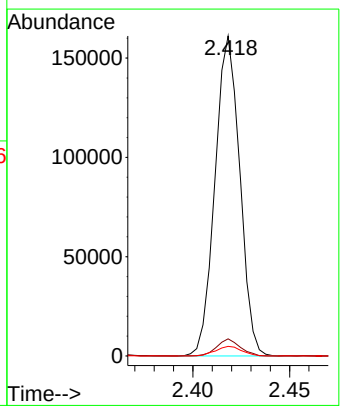


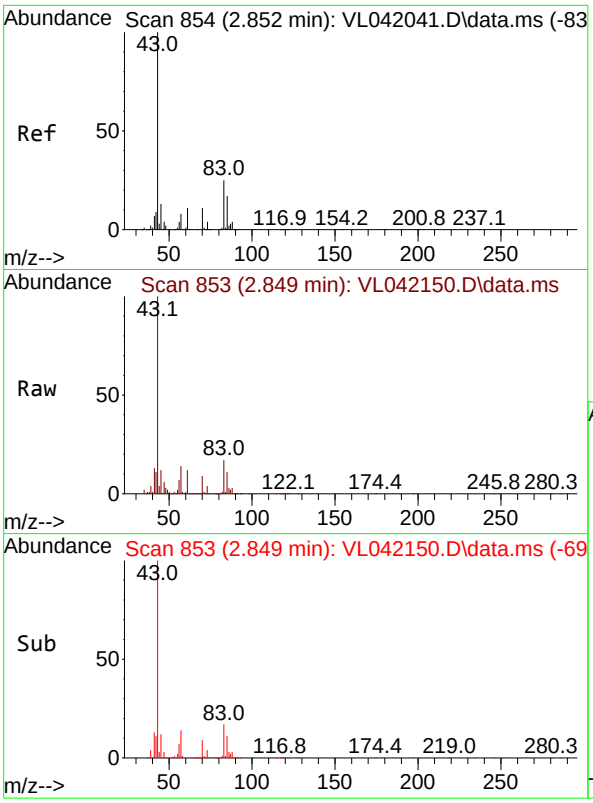


#24
1,1-Dichloroethane
Concen: 10.518 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 63 Resp: 143507

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.4	7.2
100	3.0	1.7	5.0



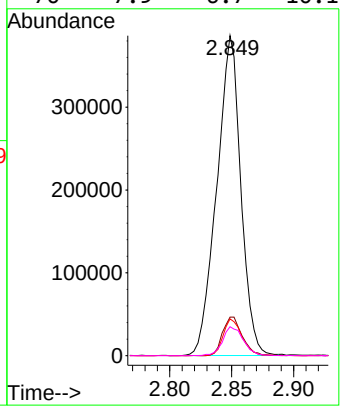


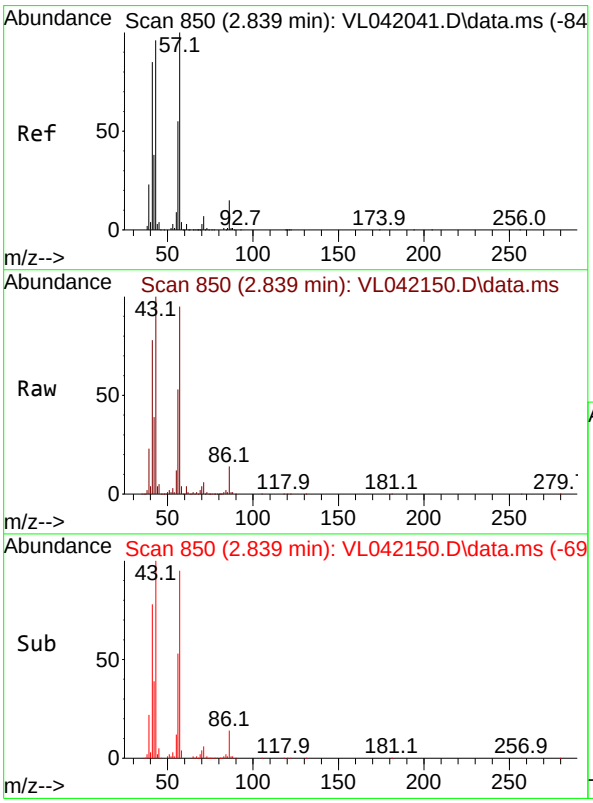
#25
Ethyl Acetate
Concen: 8.826 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 522573

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.0	7.2	10.8
70	7.9	6.7	10.1

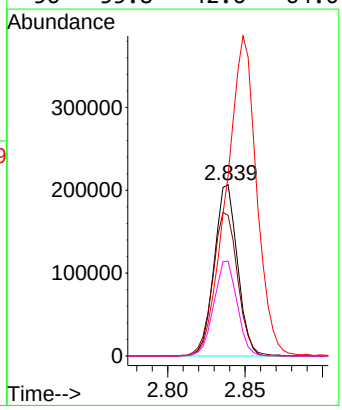


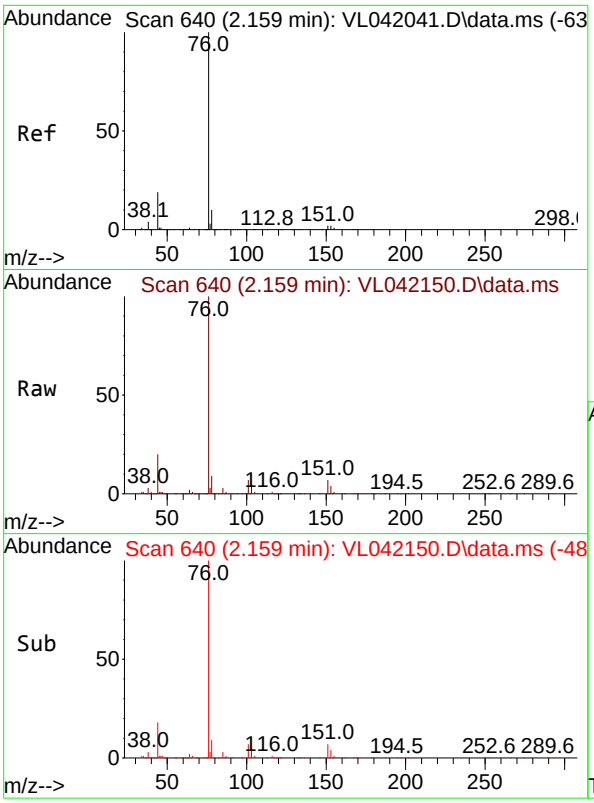


#26
Hexane
Concen: 8.985 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 57 Resp: 215056

Ion	Ratio	Lower	Upper
57	100		
41	91.1	70.6	106.0
43	244.1	199.4	299.0
56	55.8	42.6	64.0



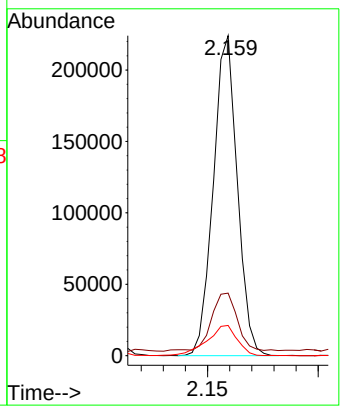


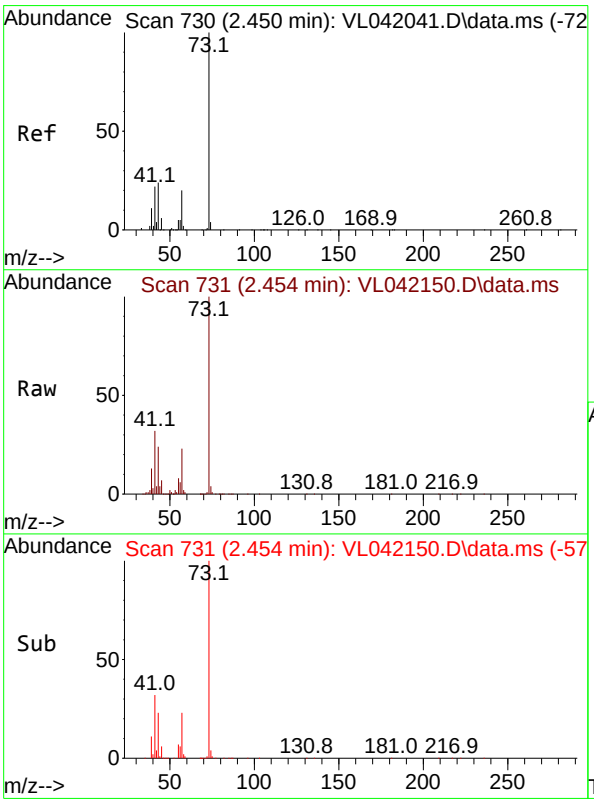
#27
Carbon Disulfide
Concen: 10.407 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 168859

Ion	Ratio	Lower	Upper
76	100		
44	19.8	16.2	24.2
78	11.9	9.4	14.0

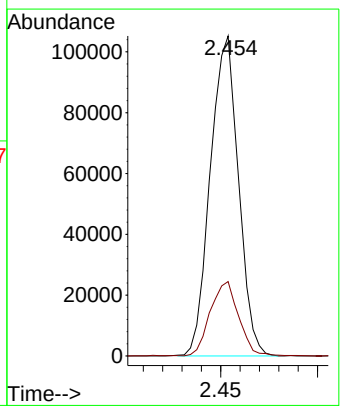


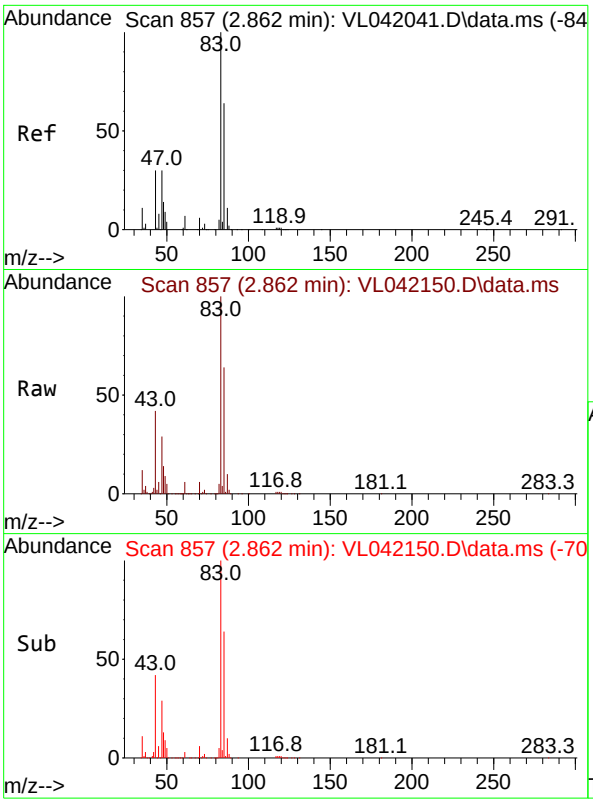


#28
Methyl tert-Butyl Ether
Concen: 8.918 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 73 Resp: 106277

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5



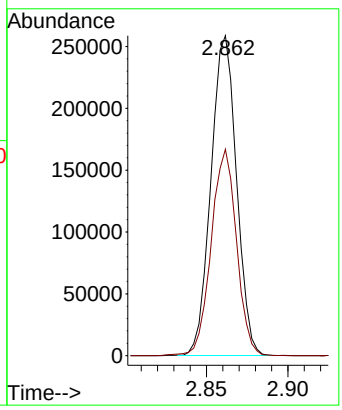


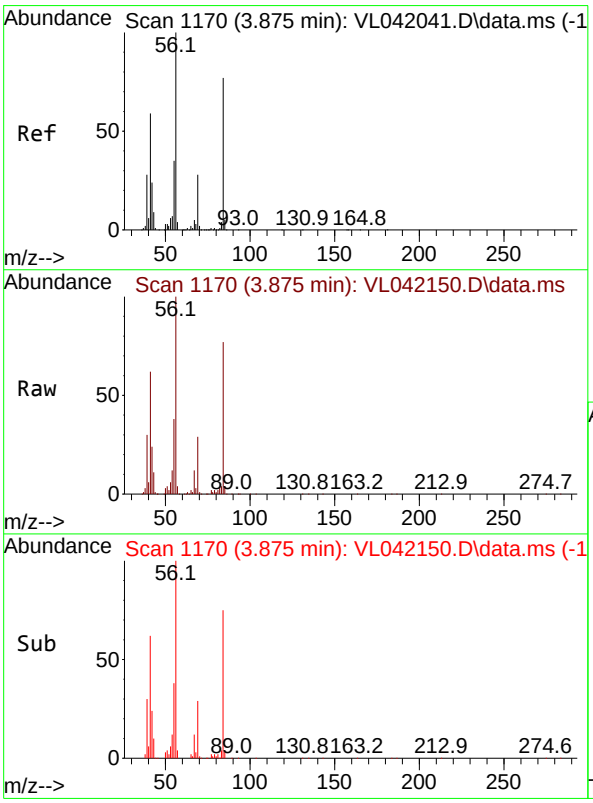
#29
Chloroform
Concen: 8.743 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 281634

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8

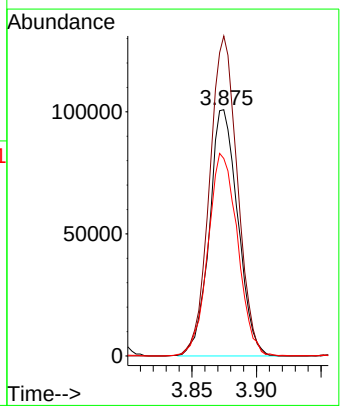


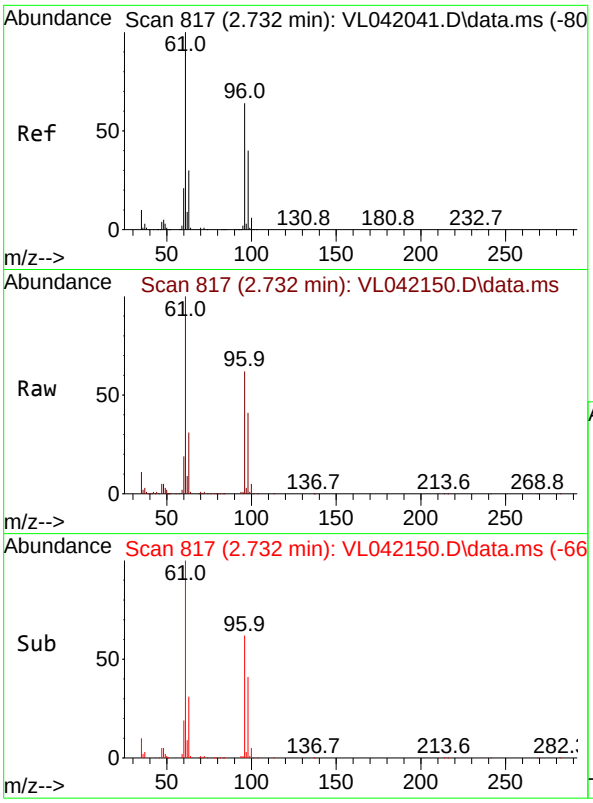


#30
Cyclohexane
Concen: 7.973 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 84 Resp: 154902

Ion	Ratio	Lower	Upper
84	100		
56	127.1	101.5	152.3
41	85.5	62.6	93.8



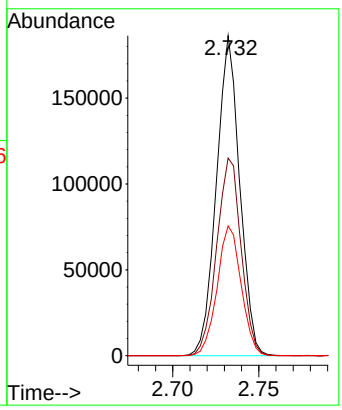


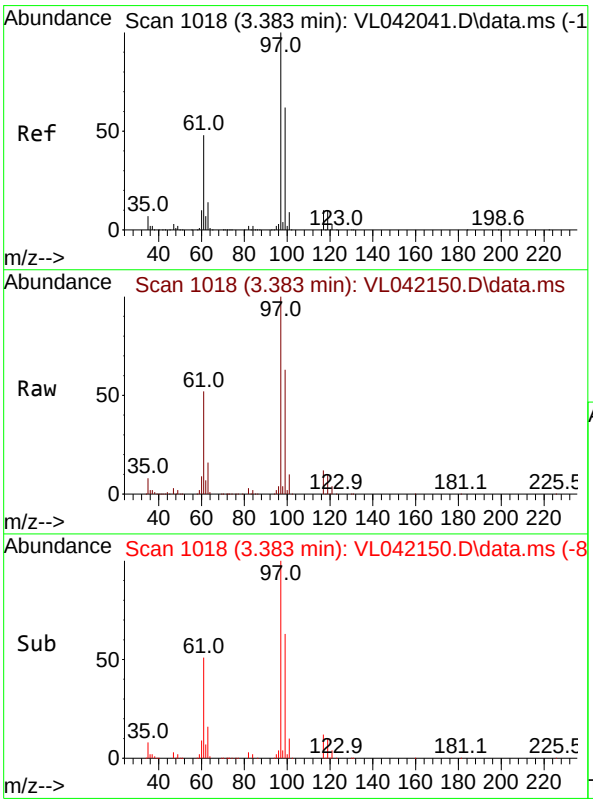
#31
cis-1,2-Dichloroethene
Concen: 7.747 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 175545

Ion	Ratio	Lower	Upper
61	100		
96	61.7	51.5	77.3
98	40.5	32.0	48.0

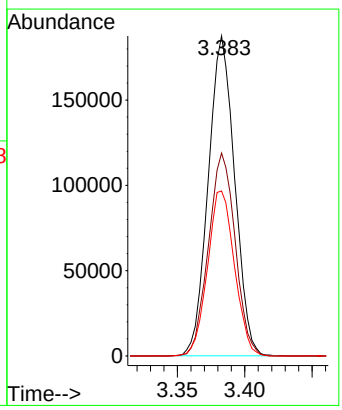


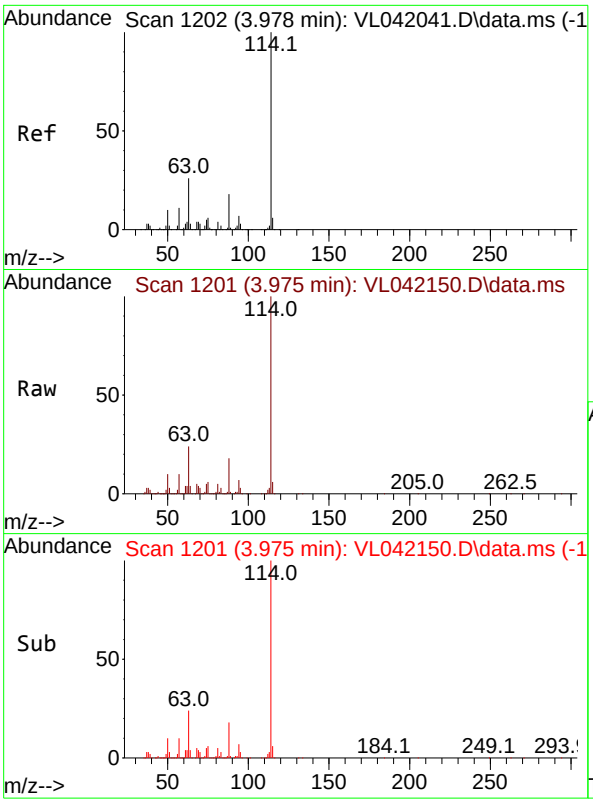


#32
1,1,1-Trichloroethane
Concen: 8.170 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 97 Resp: 255298

Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	52.7	38.9	58.3



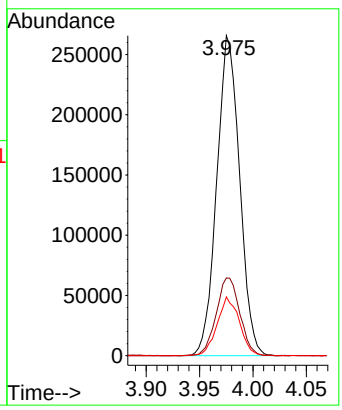


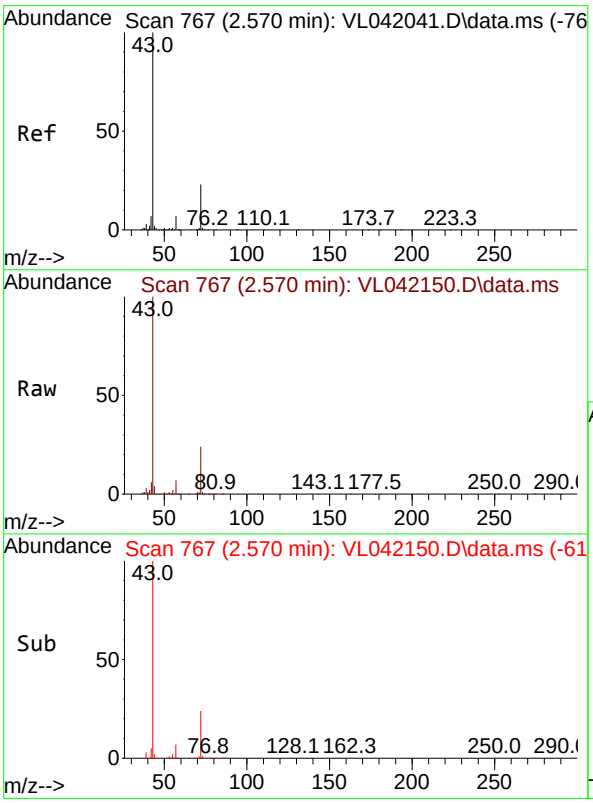
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 395790

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.8	14.3	21.5

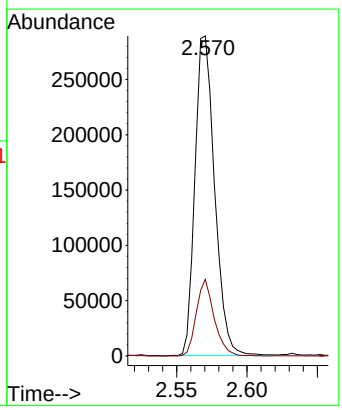


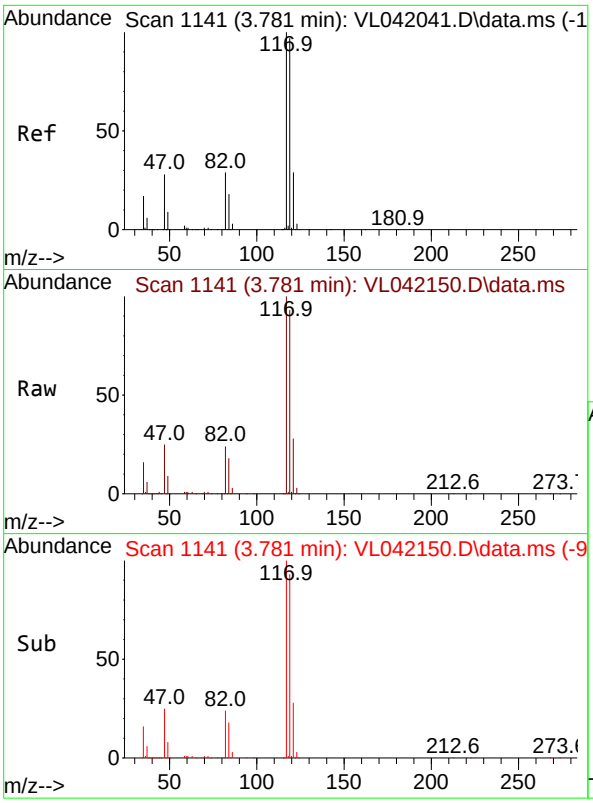


#34
2-Butanone
Concen: 9.093 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 280367

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7



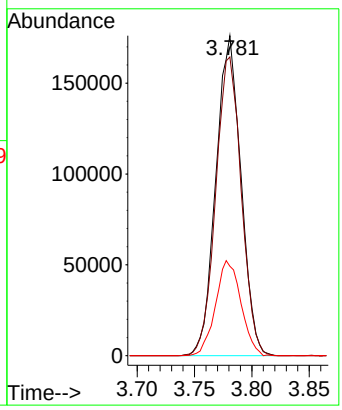


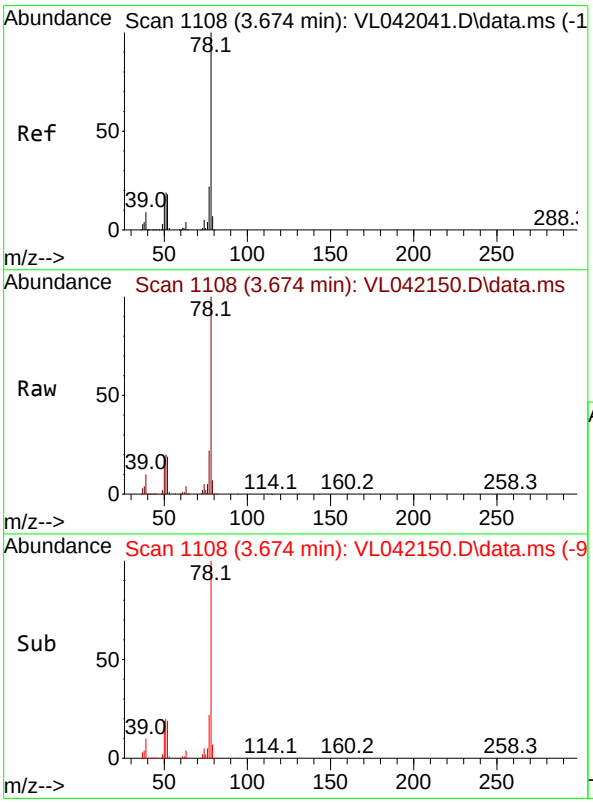
#35
Carbon Tetrachloride
Concen: 9.811 ppbv
RT: 3.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 267761

Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.8
121	27.9	23.4	35.0

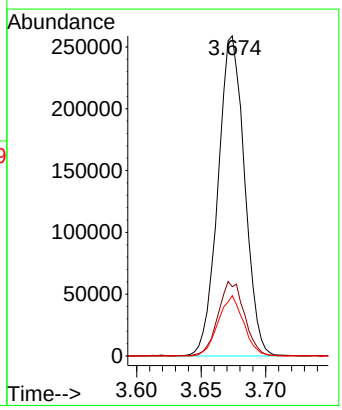


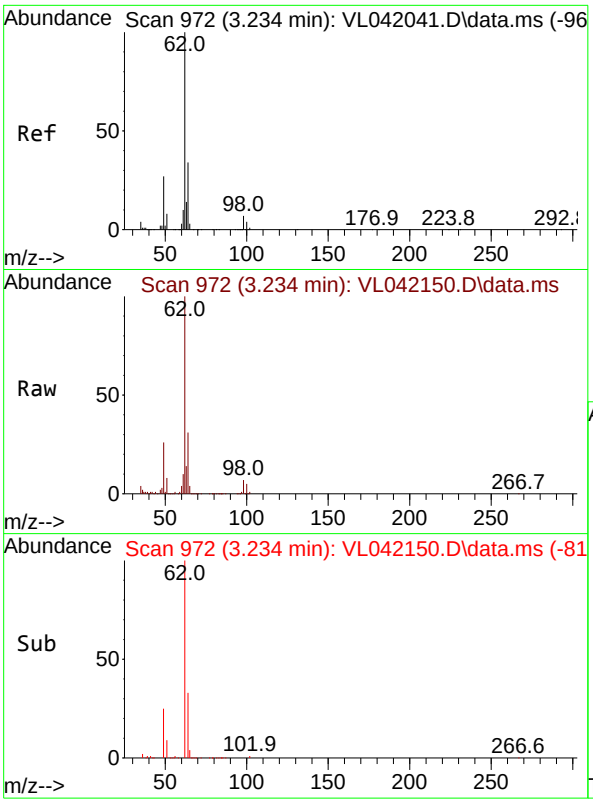


#36
Benzene
Concen: 8.938 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 78 Resp: 370323

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.7	26.5
50	18.8	13.9	20.9



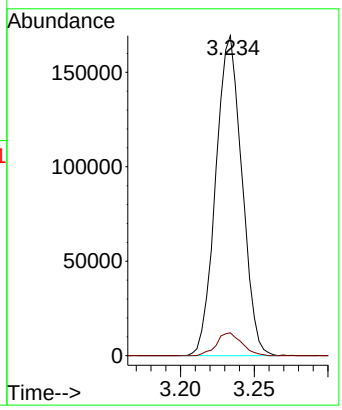


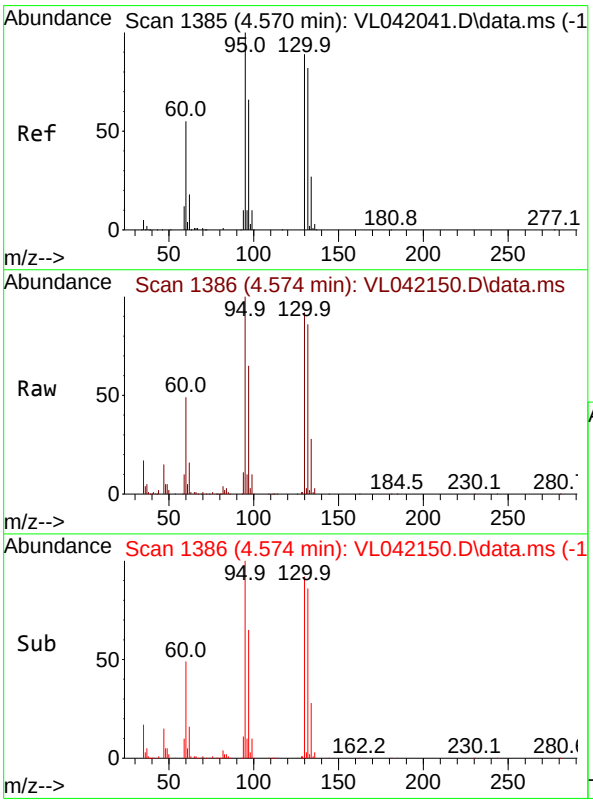
#37
1,2-Dichloroethane
Concen: 9.097 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 208967

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.7	8.5

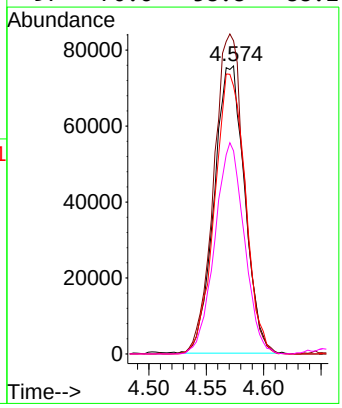


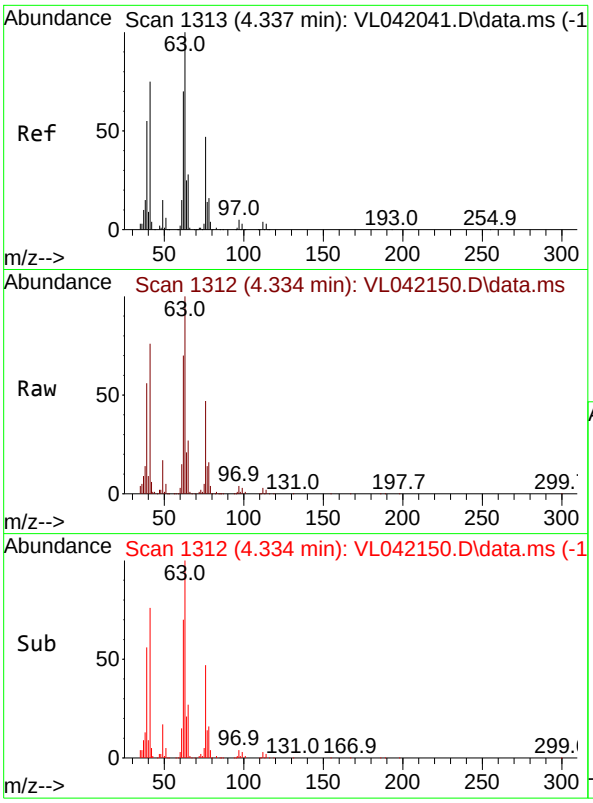


#38
Trichloroethene
Concen: 8.253 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:130 Resp: 139636

Ion	Ratio	Lower	Upper
130	100		
95	108.7	89.5	134.3
132	93.3	73.8	110.6
97	70.6	58.8	88.2



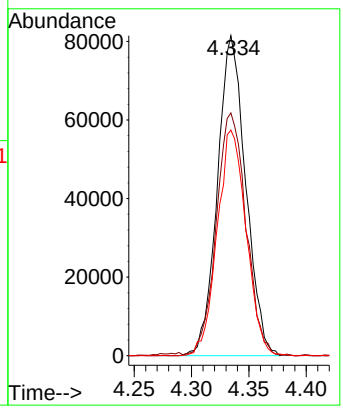


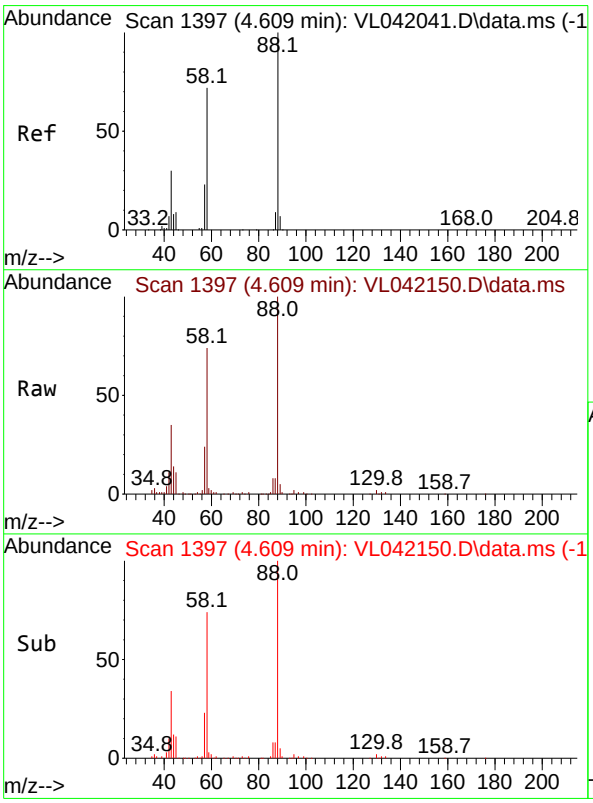
#39
1,2-Dichloropropane
Concen: 8.888 ppbv
RT: 4.334 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 139773

Ion	Ratio	Lower	Upper
63	100		
41	75.5	60.1	90.1
62	70.5	55.8	83.8

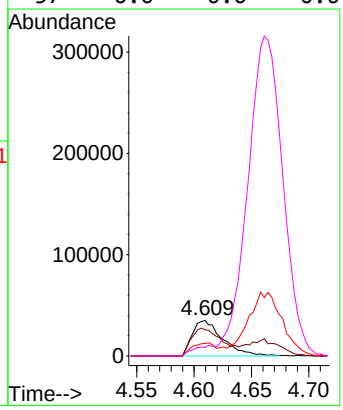


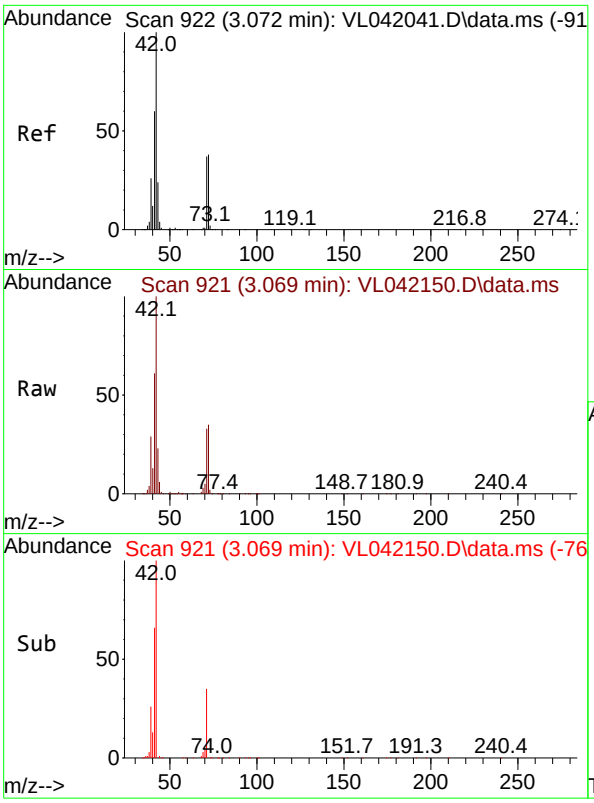


#40
1,4-Dioxane
Concen: 8.992 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 88 Resp: 64556

Ion	Ratio	Lower	Upper
88	100		
58	79.0	62.6	94.0
43	27.6	0.0	0.0#
57	0.0	0.0	0.0



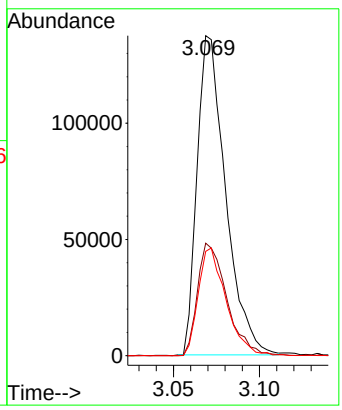


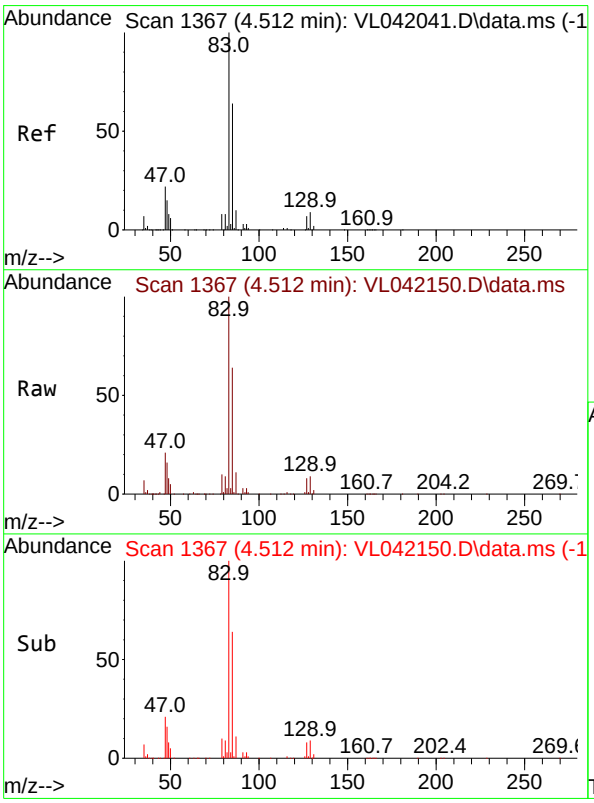
#41
Tetrahydrofuran
Concen: 8.682 ppbv
RT: 3.069 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 158186

Ion	Ratio	Lower	Upper
42	100		
72	36.2	30.2	45.2
71	33.1	28.2	42.4

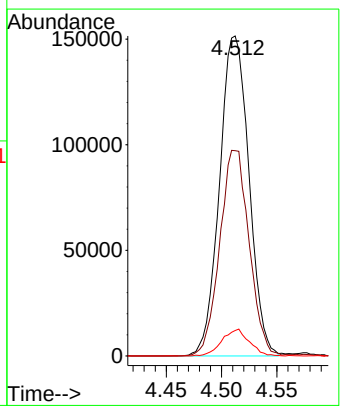


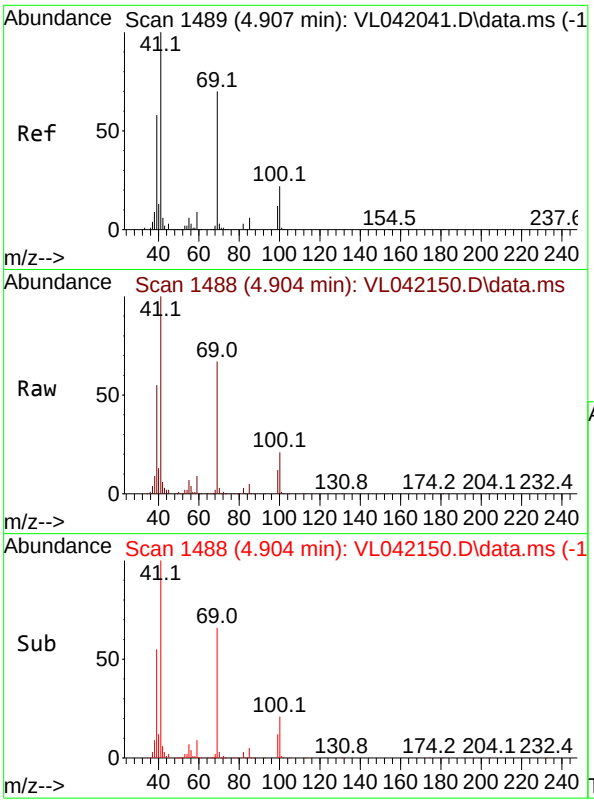


#42
Bromodichloromethane
Concen: 9.055 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 83 Resp: 280274

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	8.0	5.8	8.6



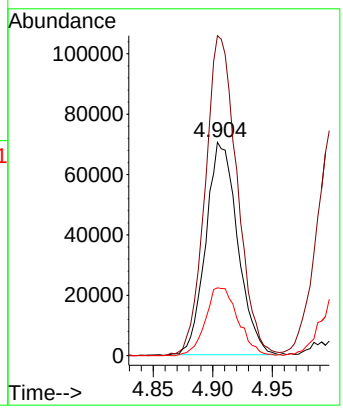


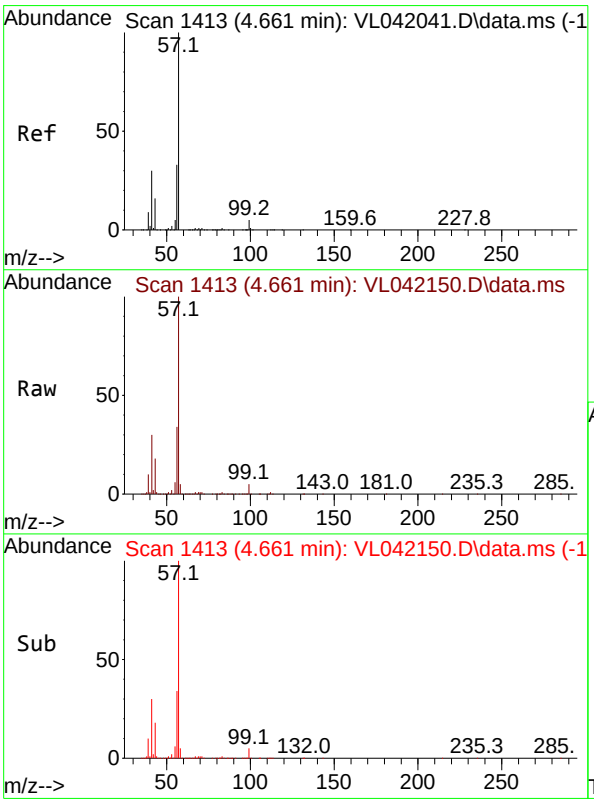
#43
Methyl Methacrylate
Concen: 8.084 ppbv
RT: 4.904 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 130801

Ion	Ratio	Lower	Upper
69	100		
41	151.1	118.2	177.4
100	32.8	27.0	40.4

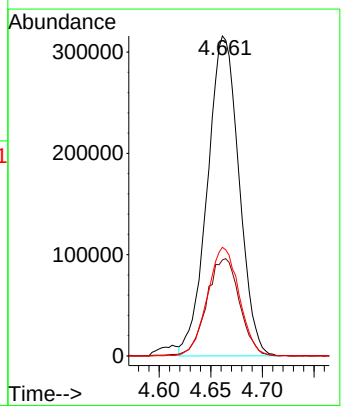


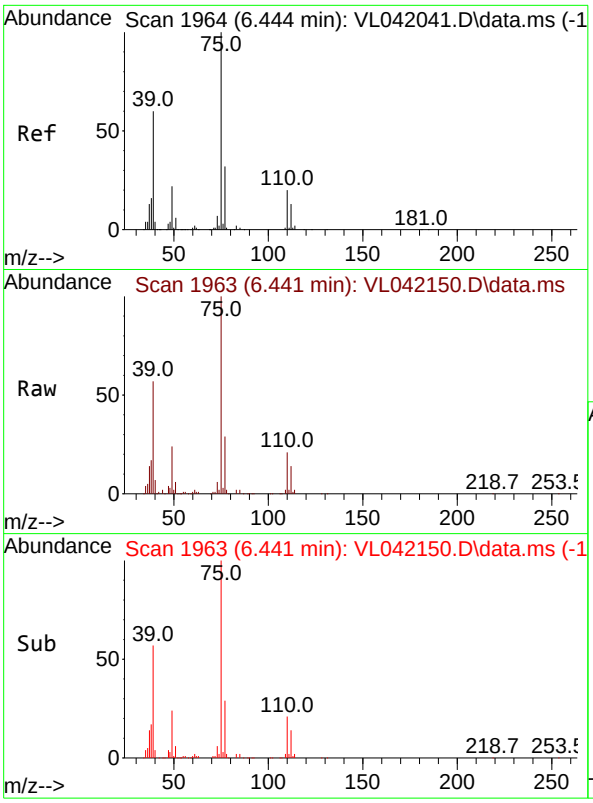


#44
2,2,4-Trimethylpentane
Concen: 9.184 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 57 Resp: 671554

Ion	Ratio	Lower	Upper
57	100		
41	31.9	24.4	36.6
56	34.3	26.5	39.7



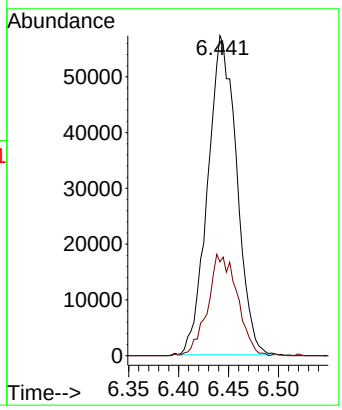


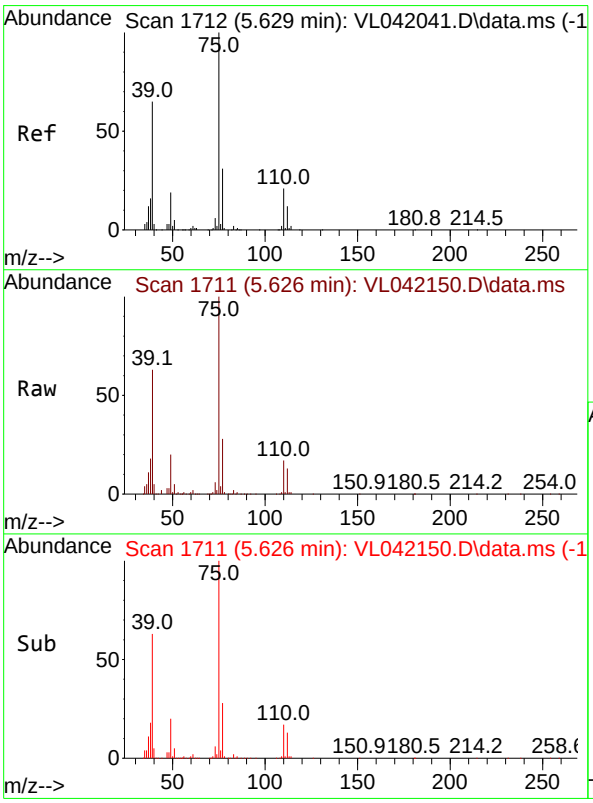
#45
t-1,3-Dichloropropene
Concen: 7.171 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 115280

Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.9	38.9

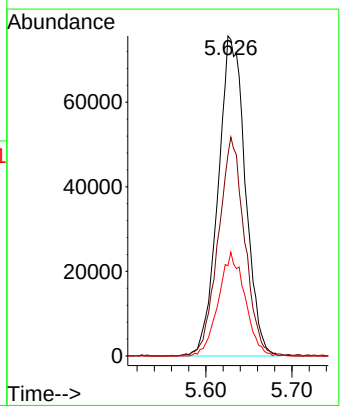


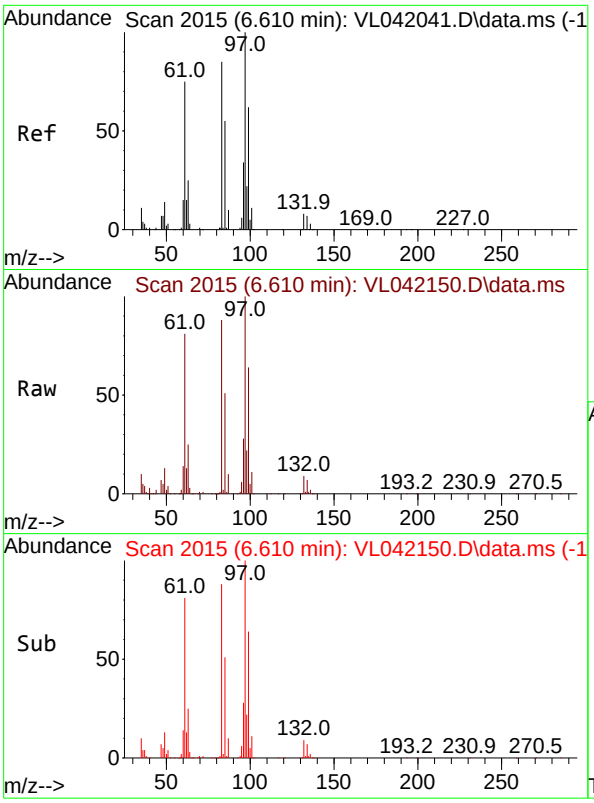


#46
cis-1,3-Dichloropropene
Concen: 7.956 ppbv
RT: 5.626 min Scan# 1711
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 75 Resp: 165501

Ion	Ratio	Lower	Upper
75	100		
39	62.7	51.9	77.9
77	28.2	24.9	37.3



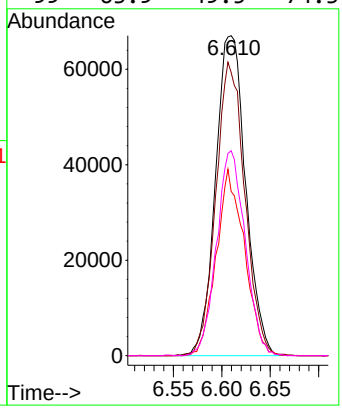


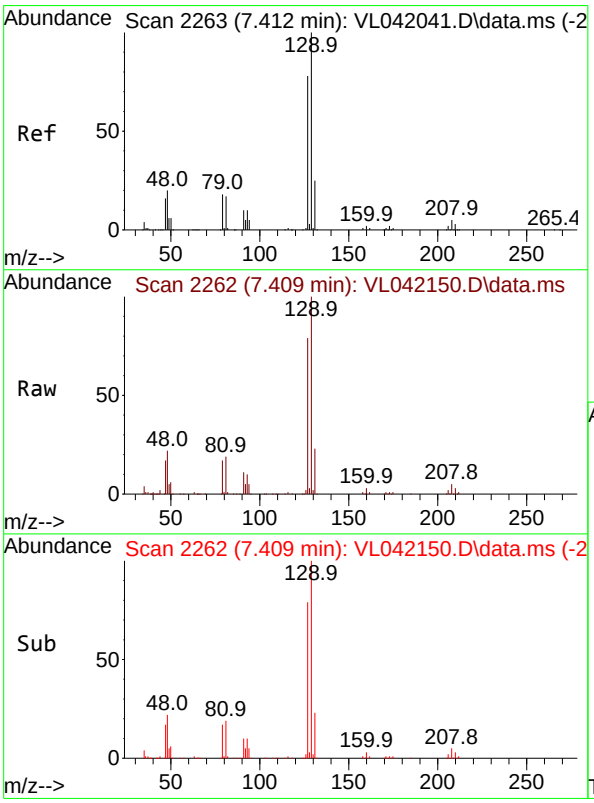
#47
1,1,2-Trichloroethane
Concen: 9.091 ppbv
RT: 6.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 145150

Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.1	102.1
85	51.3	44.0	66.0
99	63.9	49.5	74.3

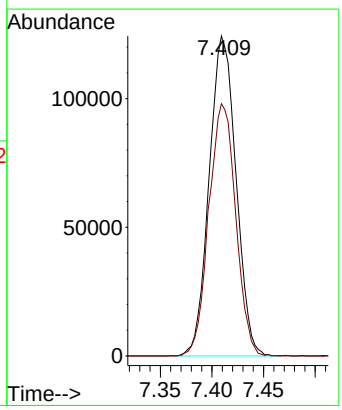


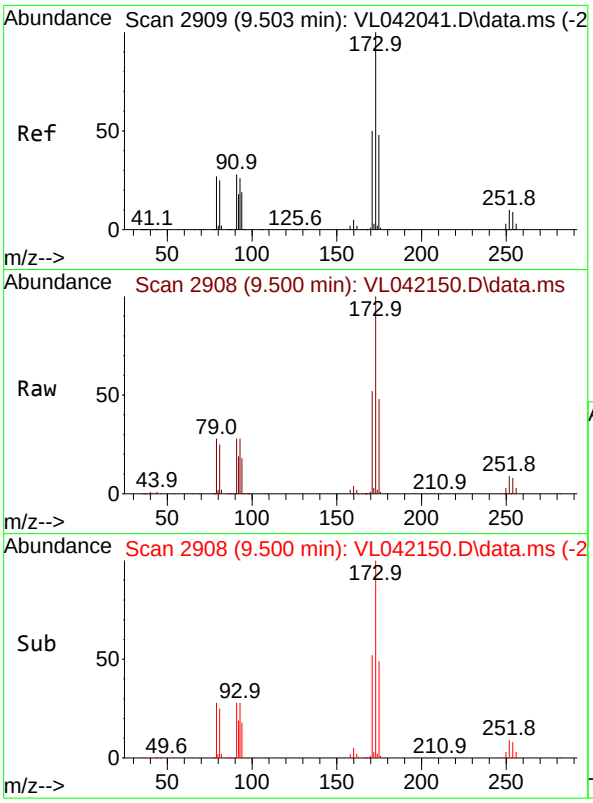


#48
Dibromochloromethane
Concen: 8.980 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:129 Resp: 224553

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.8



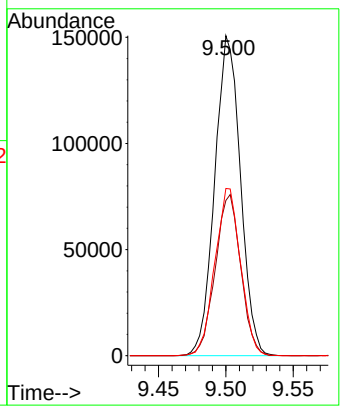


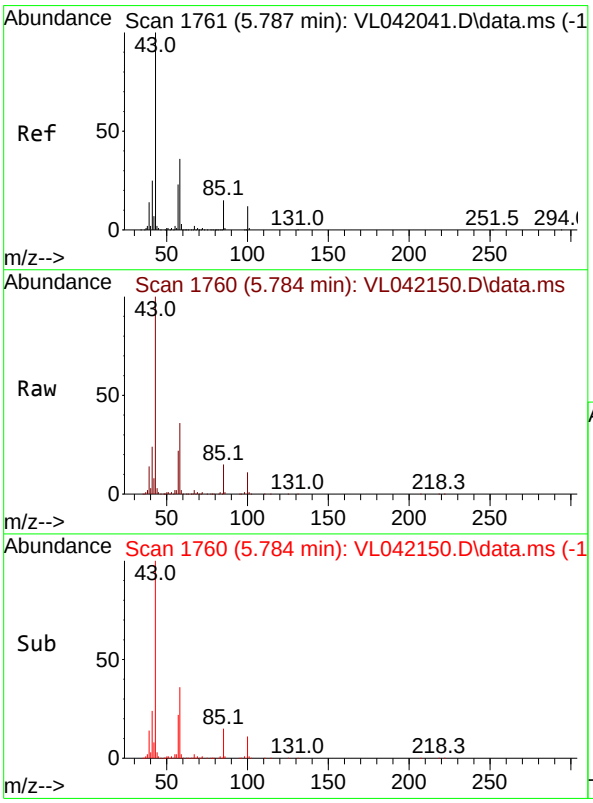
#49
Bromoform
Concen: 9.218 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 200168

Ion	Ratio	Lower	Upper
173	100		
175	49.9	38.3	57.5
171	52.1	40.2	60.2

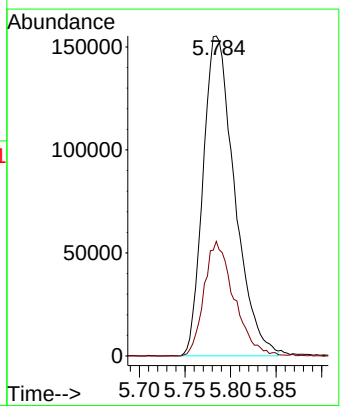


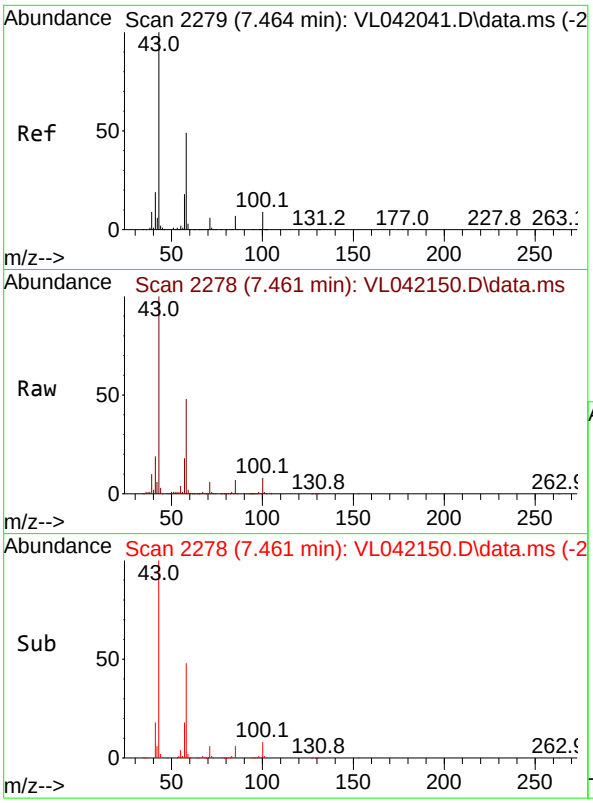


#50
4-Methyl-2-Pentanone
Concen: 9.370 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 43 Resp: 373666

Ion	Ratio	Lower	Upper
43	100		
58	34.2	29.3	43.9



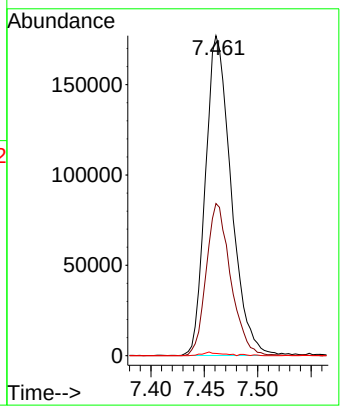


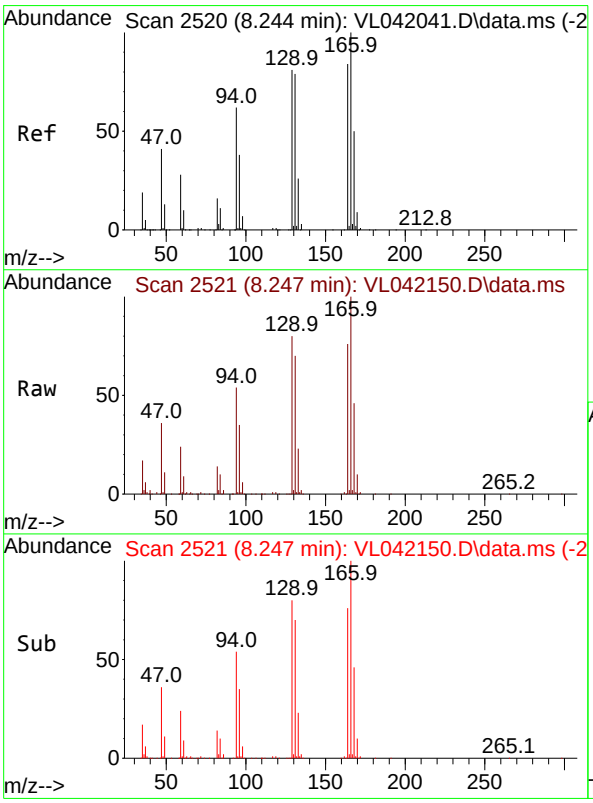
#51
2-Hexanone
Concen: 10.767 ppbv
RT: 7.461 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 295520

Ion	Ratio	Lower	Upper
43	100		
58	45.5	39.0	58.6
98	1.0	0.1	0.1#

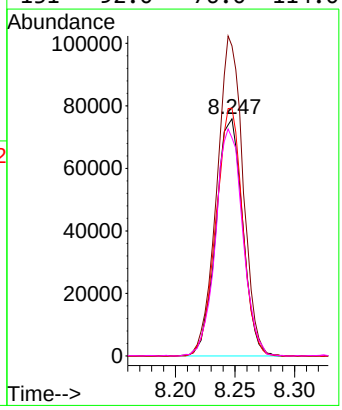


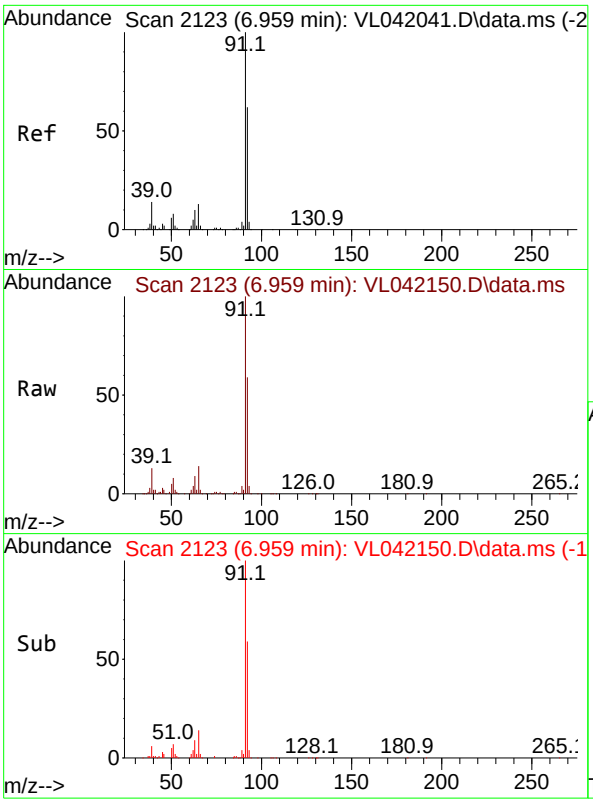


#52
Tetrachloroethene
Concen: 8.341 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:164 Resp: 118316

Ion	Ratio	Lower	Upper
164	100		
166	130.7	95.7	143.5
129	104.6	77.1	115.7
131	92.0	76.0	114.0



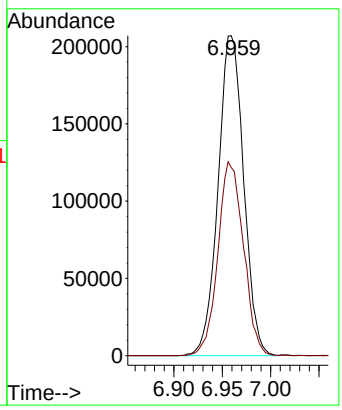


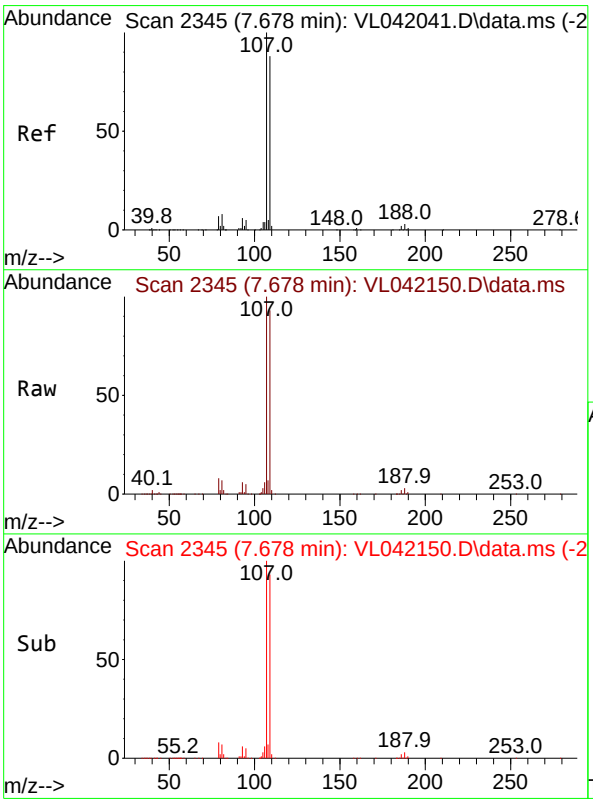
#53
Toluene
Concen: 8.235 ppbv
RT: 6.959 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 381354

Ion	Ratio	Lower	Upper
91	100		
92	60.6	49.0	73.6

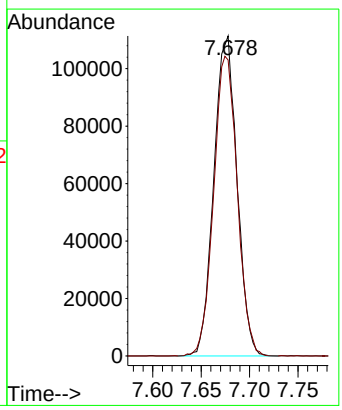


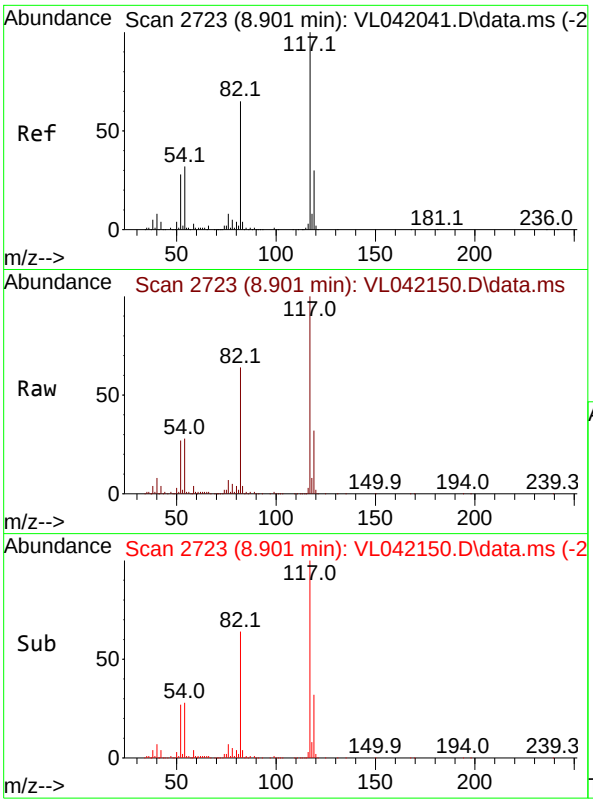


#54
1,2-Dibromoethane
Concen: 8.611 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:107 Resp: 185862

Ion	Ratio	Lower	Upper
107	100		
109	92.5	70.2	105.4



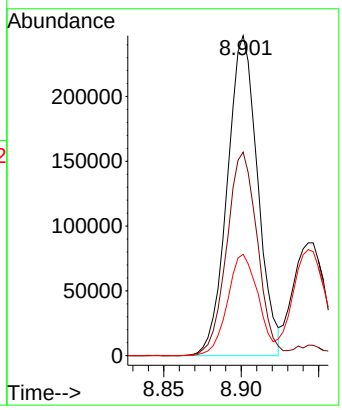


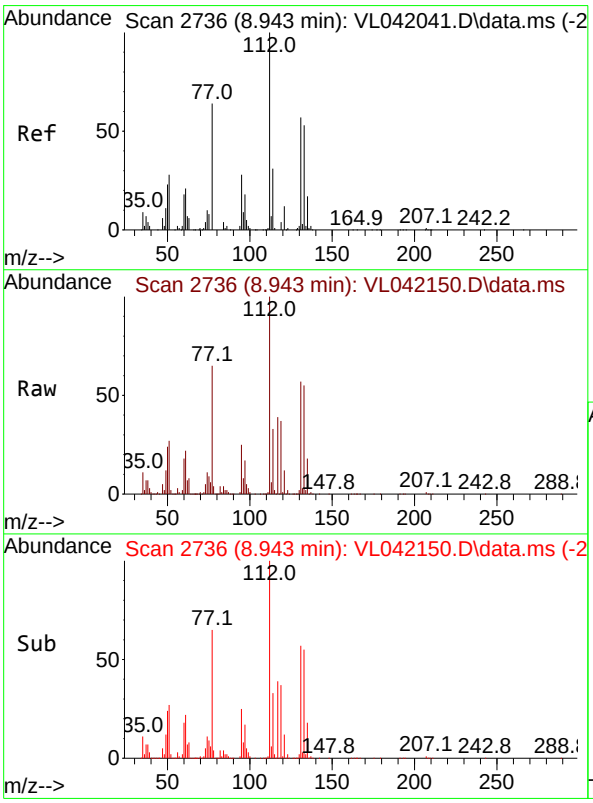
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 337104

Ion	Ratio	Lower	Upper
117	100		
82	67.5	55.0	82.6
119	31.3	25.9	38.9

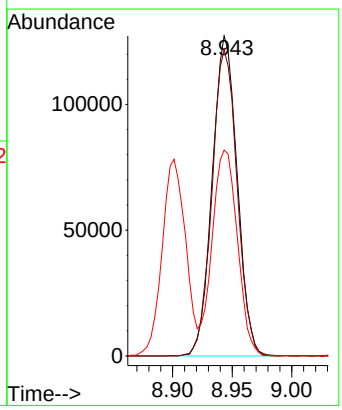


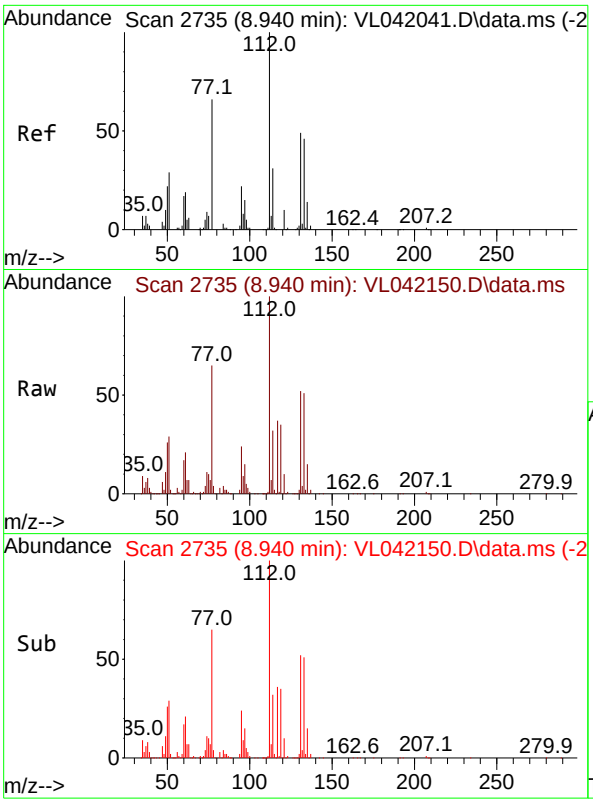


#56
1,1,1,2-Tetrachloroethane
Concen: 9.709 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:131 Resp: 184992

Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.8	113.8
119	65.5	52.1	78.1



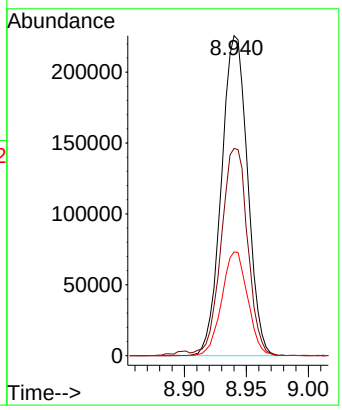


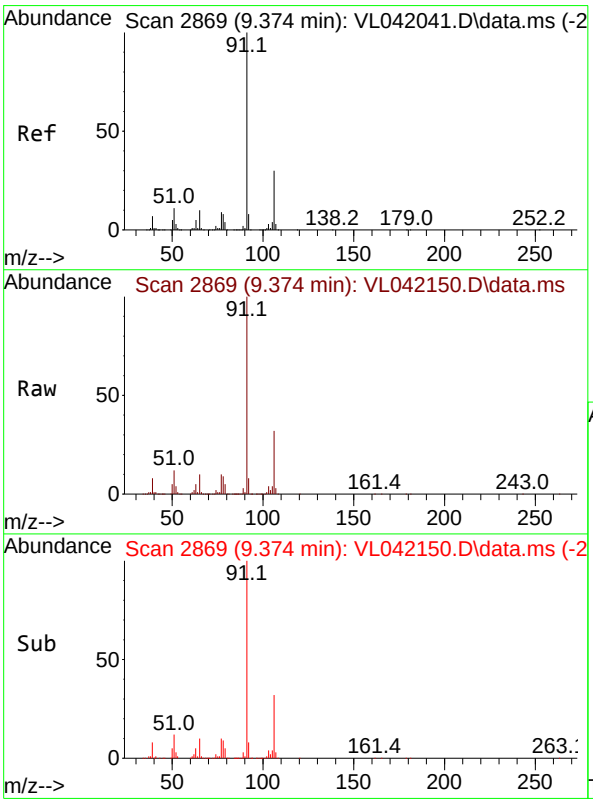
#57
Chlorobenzene
Concen: 9.485 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 331509

Ion	Ratio	Lower	Upper
112	100		
77	64.6	53.4	80.2
114	32.3	28.3	34.5

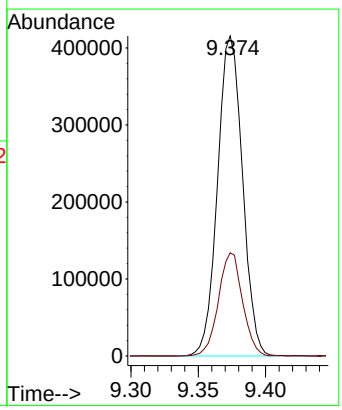


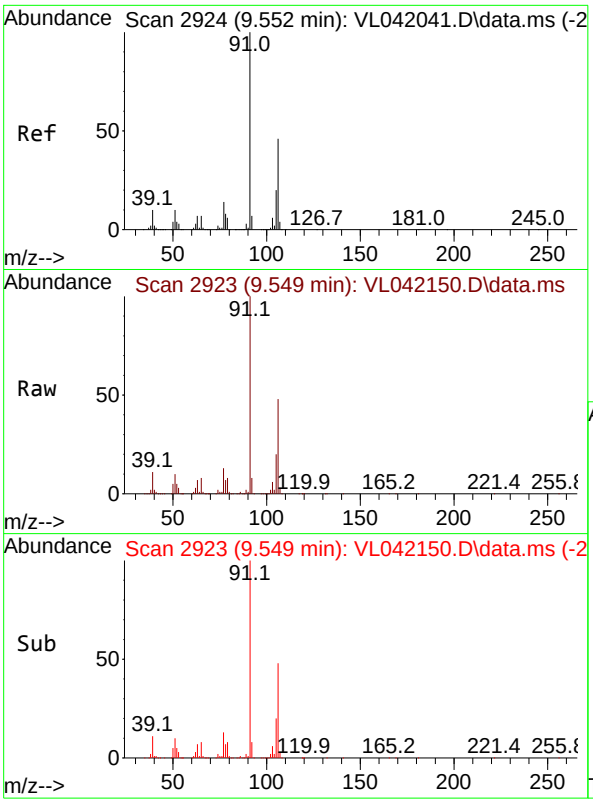


#58
Ethyl Benzene
Concen: 8.610 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 534526

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.2	36.2



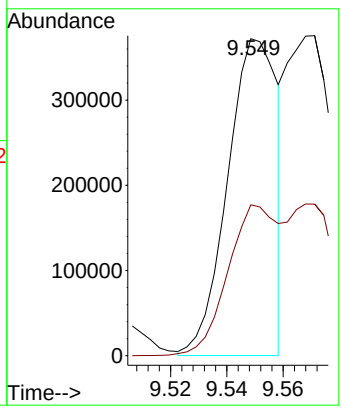


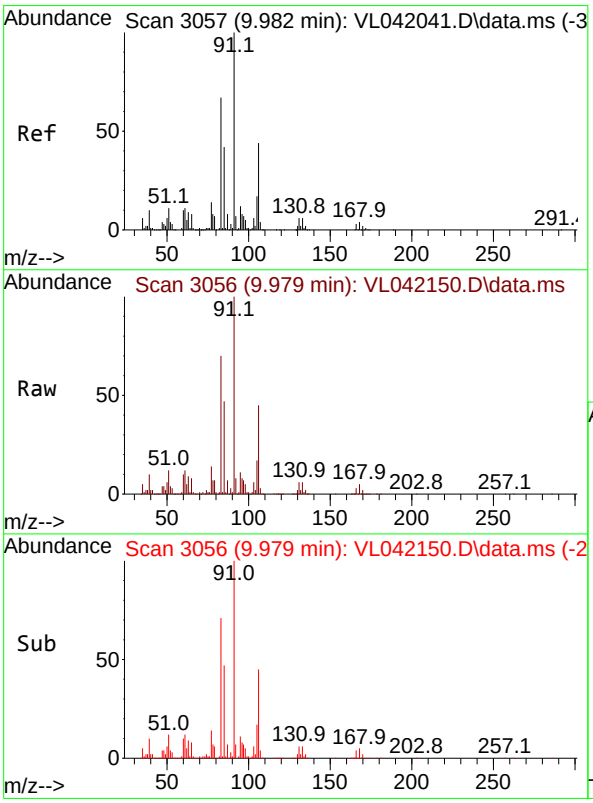
#59
m/p-Xylene
Concen: 9.181 ppbv
RT: 9.549 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 453561

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

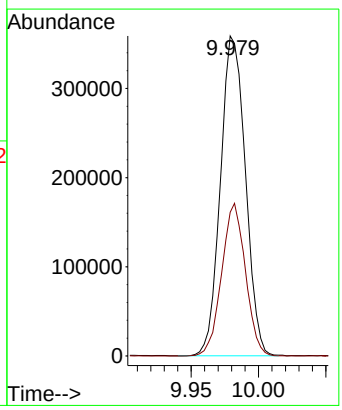


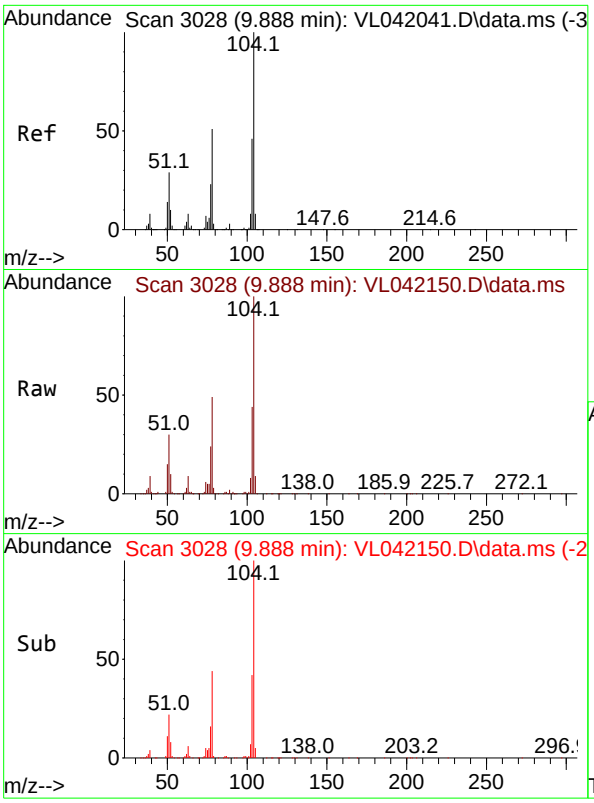


#60
o-Xylene
Concen: 9.313 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 462522

Ion	Ratio	Lower	Upper
91	100		
106	45.5	22.3	66.8



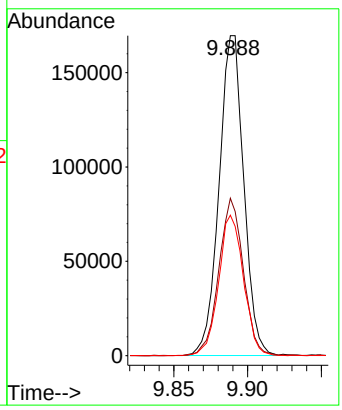


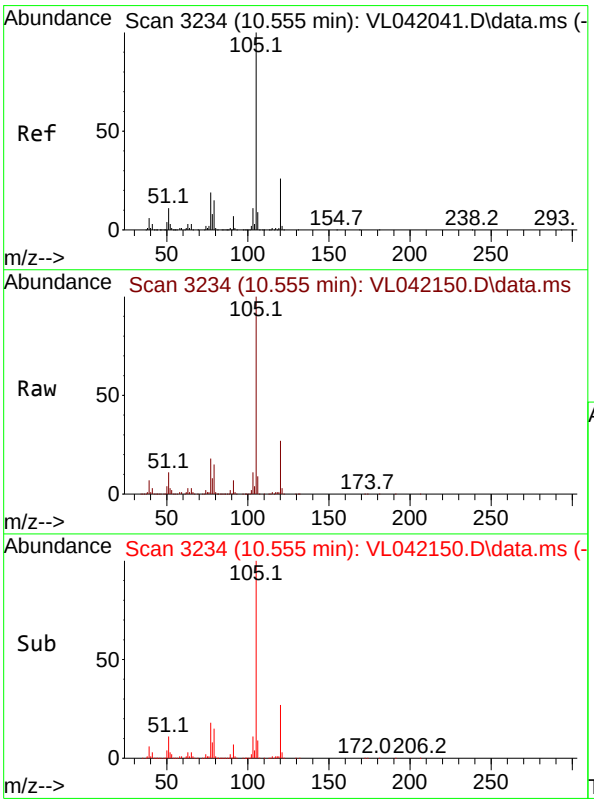
#61
Styrene
Concen: 8.473 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 197855

Ion	Ratio	Lower	Upper
104	100		
78	49.1	41.0	61.4
103	44.4	37.0	55.6

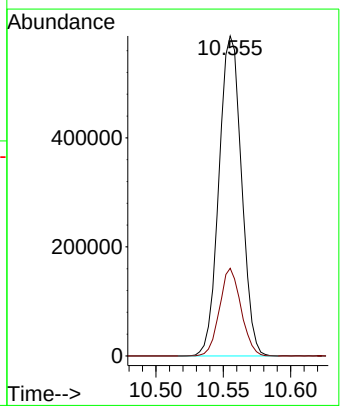


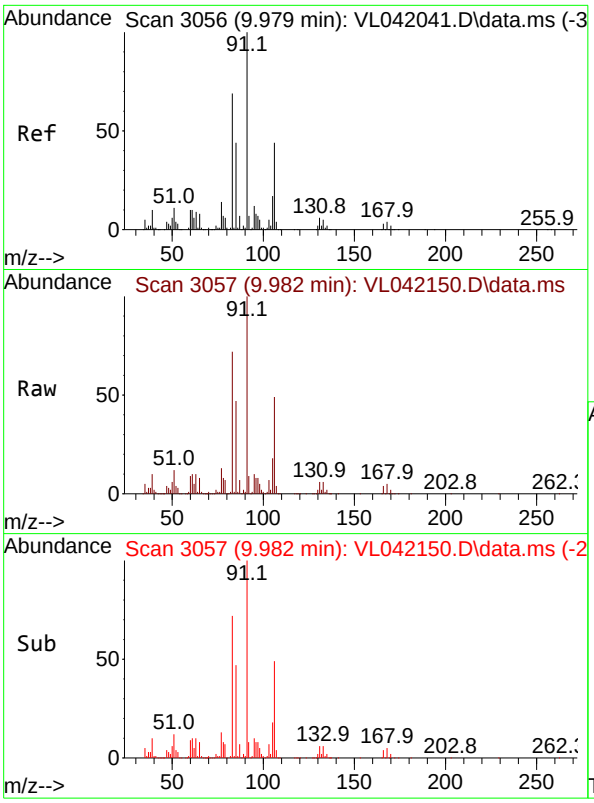


#62
Isopropylbenzene
Concen: 9.185 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 683249

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.7	31.1



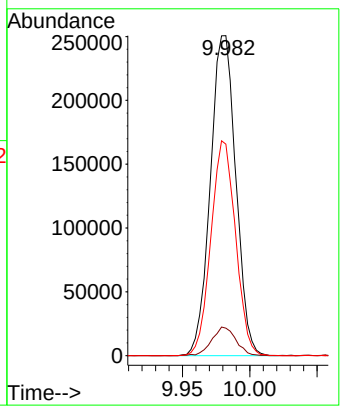


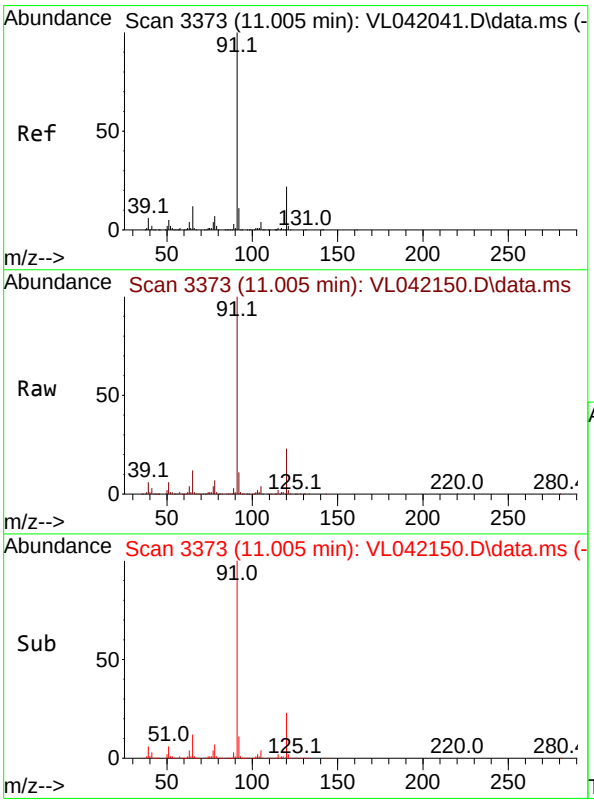
#63
1,1,2,2-Tetrachloroethane
Concen: 10.088 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 329971

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.5	13.7
85	65.0	32.1	96.3

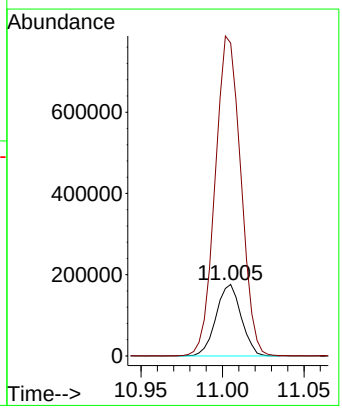


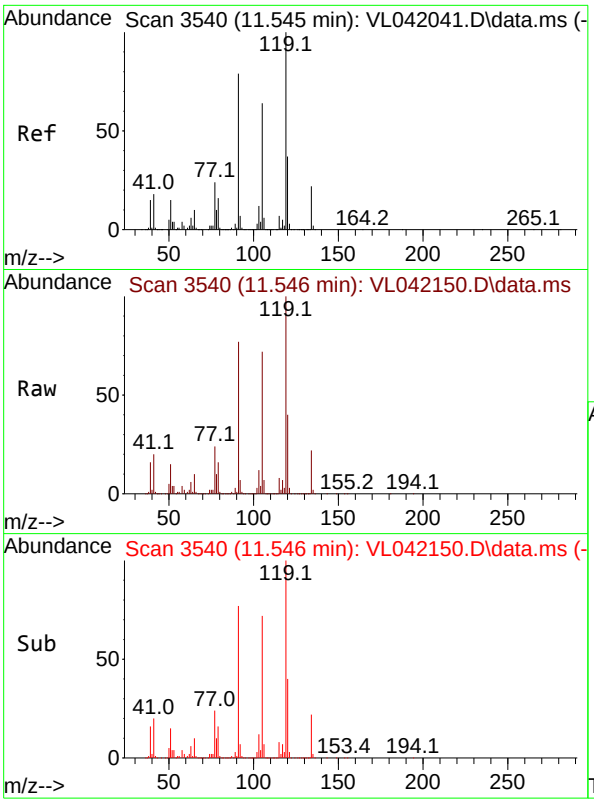


#64
n-propylbenzene
Concen: 9.671 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:120 Resp: 188690

Ion	Ratio	Lower	Upper
120	100		
91	457.3	370.6	556.0



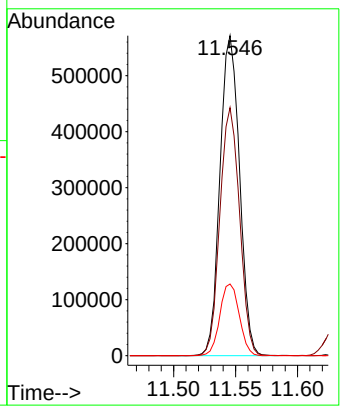


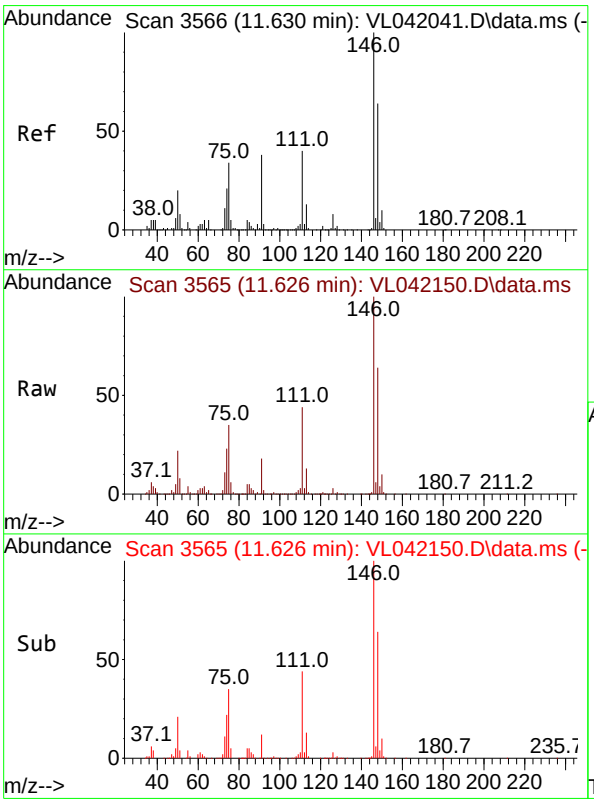
#65
tert-Butylbenzene
Concen: 9.308 ppbv
RT: 11.546 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 630108

Ion	Ratio	Lower	Upper
119	100		
91	77.8	64.2	96.2
134	22.2	17.4	26.2

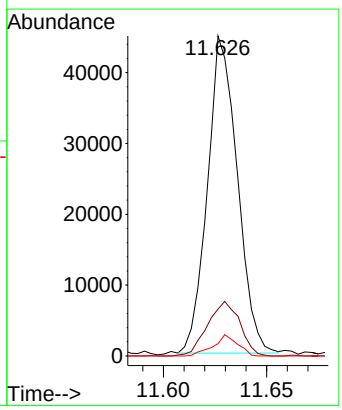


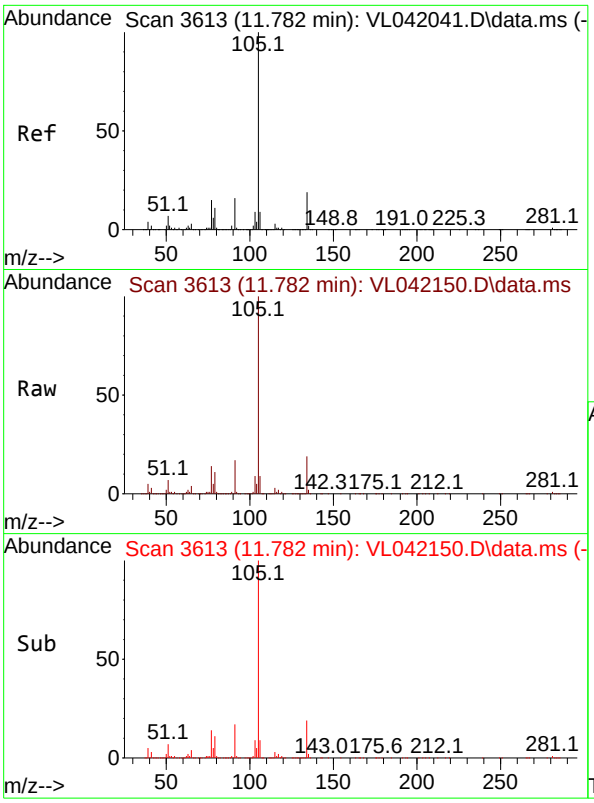


#66
Benzyl Chloride
Concen: 8.734 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 45119

Ion	Ratio	Lower	Upper
91	100		
126	18.7	14.5	21.7
128	5.4	5.4	8.2#



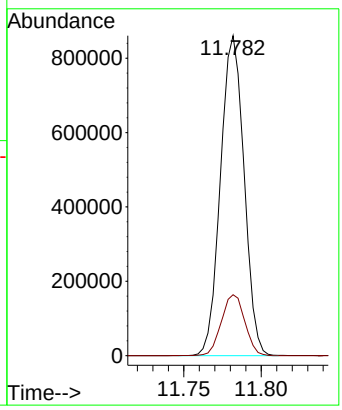


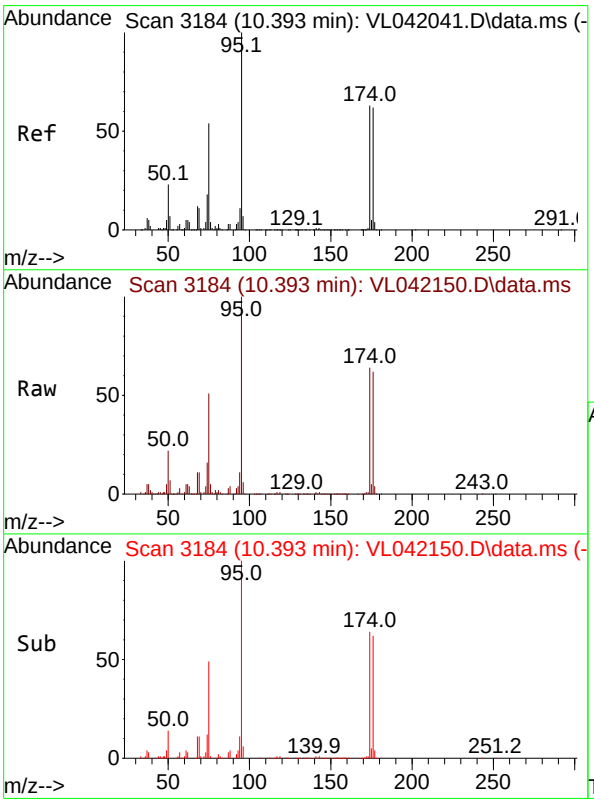
#67
sec-Butylbenzene
Concen: 9.410 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 911015

Ion	Ratio	Lower	Upper
105	100		
134	19.0	14.9	22.3

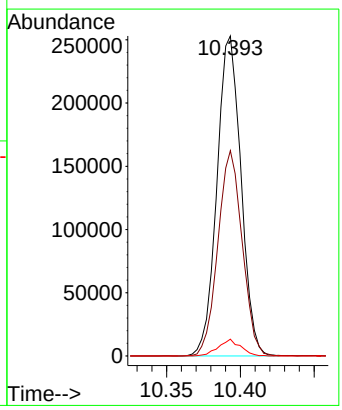


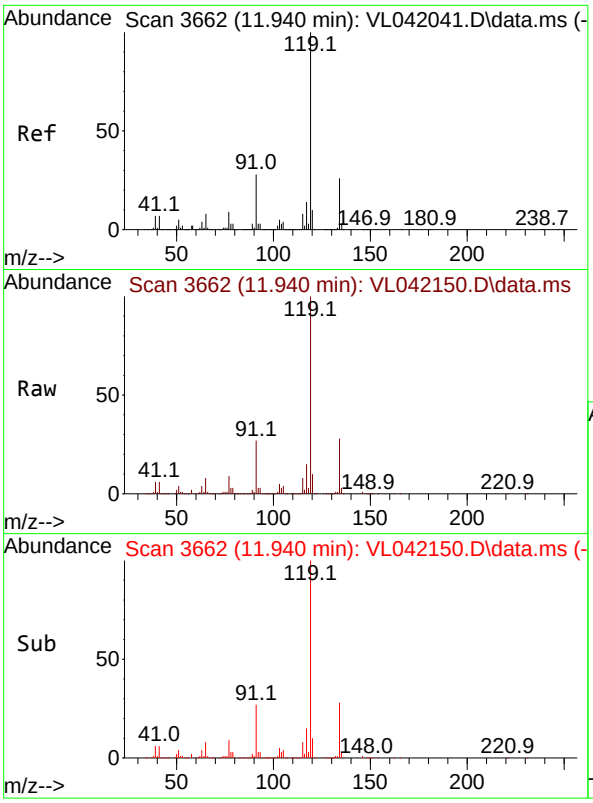


#68
1-Bromo-4-Fluorobenzene
Concen: 11.060 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 95 Resp: 286841

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.8	77.6
175	4.8	3.9	5.9



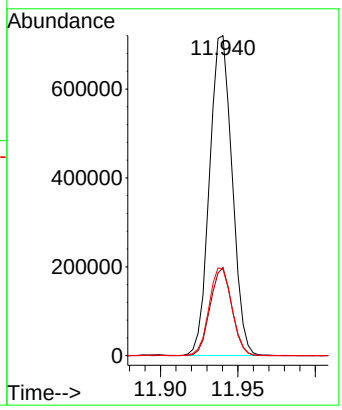


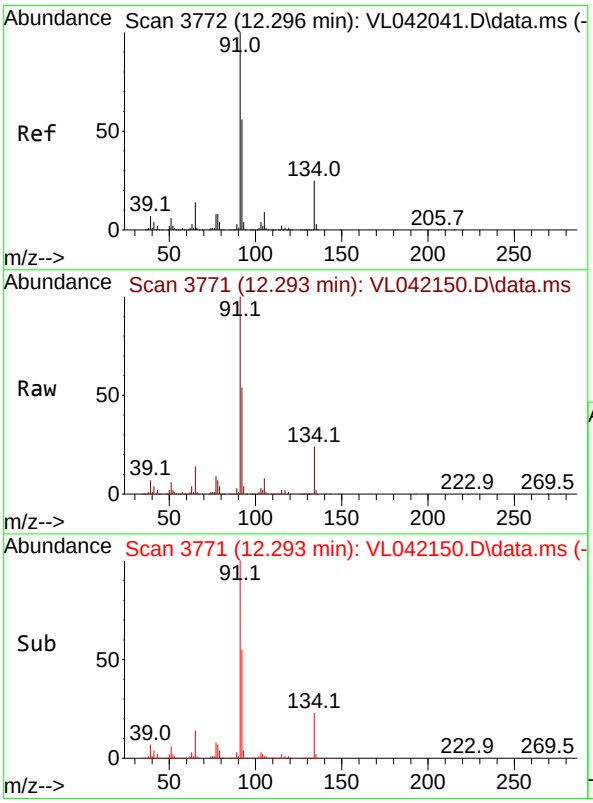
#69
p-Isopropyltoluene
Concen: 9.476 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 729864

Ion	Ratio	Lower	Upper
119	100		
134	26.5	20.9	31.3
91	27.8	23.1	34.7

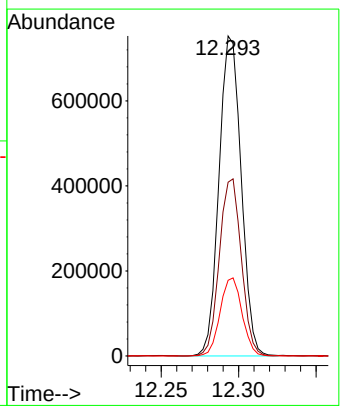


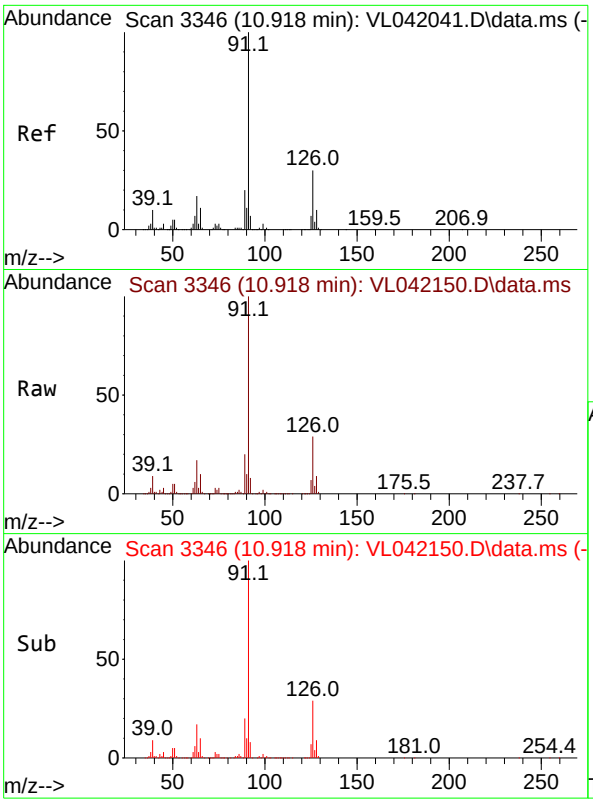


#70
n-Butylbenzene
Concen: 9.531 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 749368

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.7	67.1
134	24.2	18.9	28.3



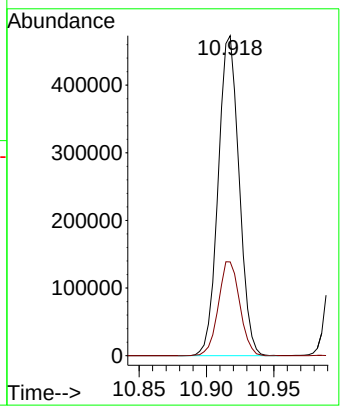


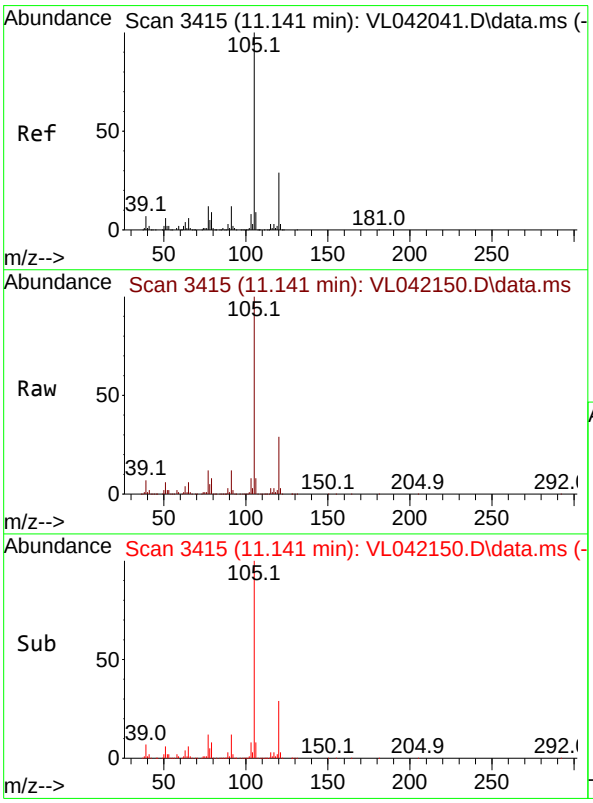
#71
2-Chlorotoluene
Concen: 8.901 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 510373

Ion	Ratio	Lower	Upper
91	100		
126	30.0	11.9	47.5

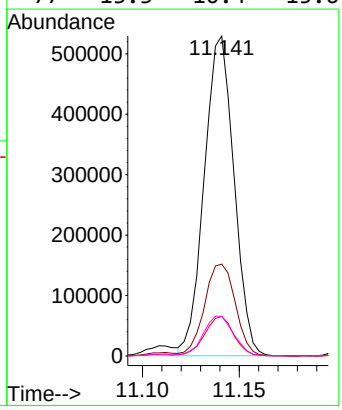


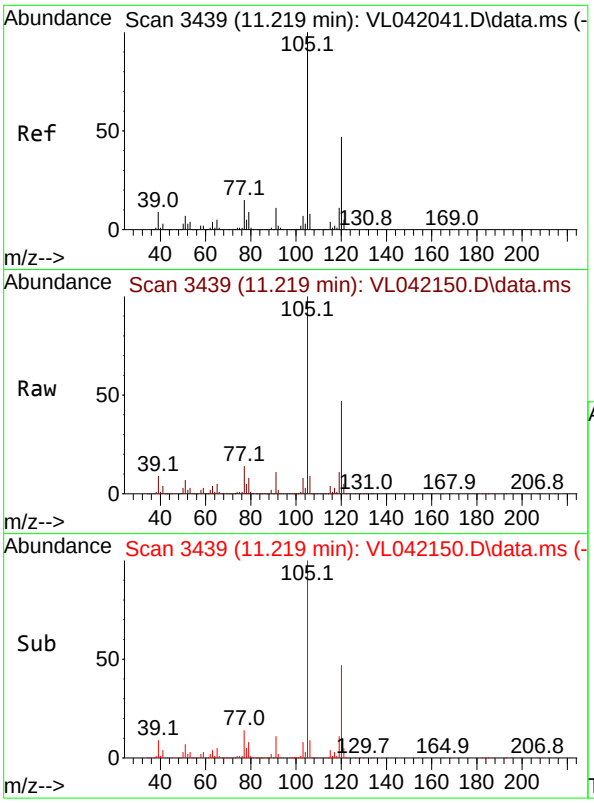


#72
4-Ethyltoluene
Concen: 9.321 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 565254

Ion	Ratio	Lower	Upper
105	100		
120	30.9	24.1	36.1
91	12.6	10.2	15.4
77	13.3	10.4	15.6



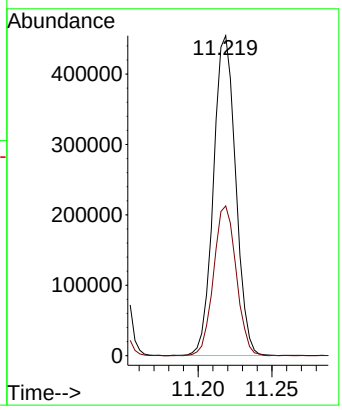


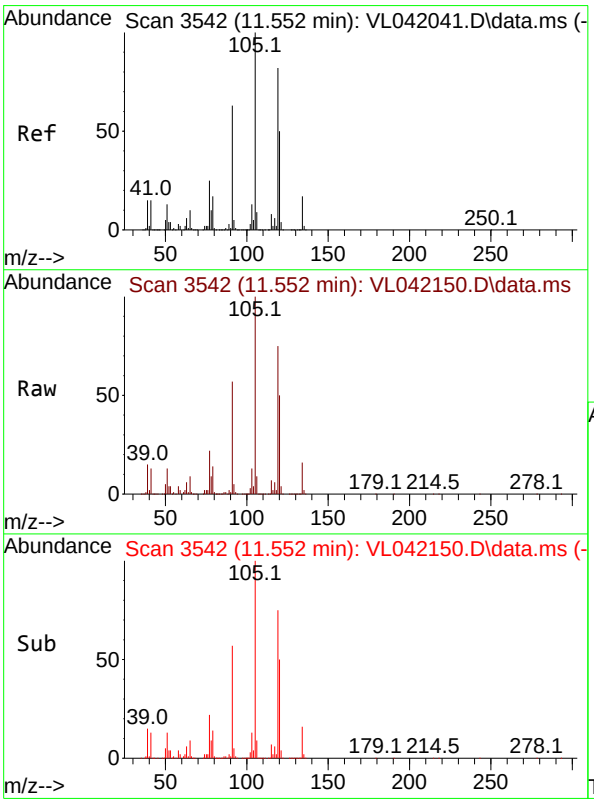
#73
1,3,5-Trimethylbenzene
Concen: 9.043 ppbv
RT: 11.219 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 475661

Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.4	56.0

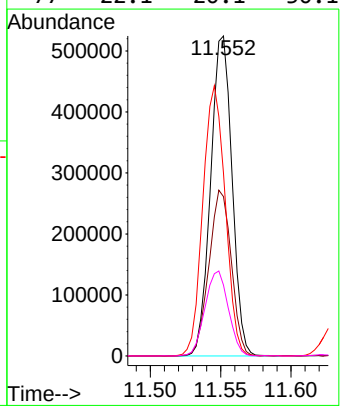


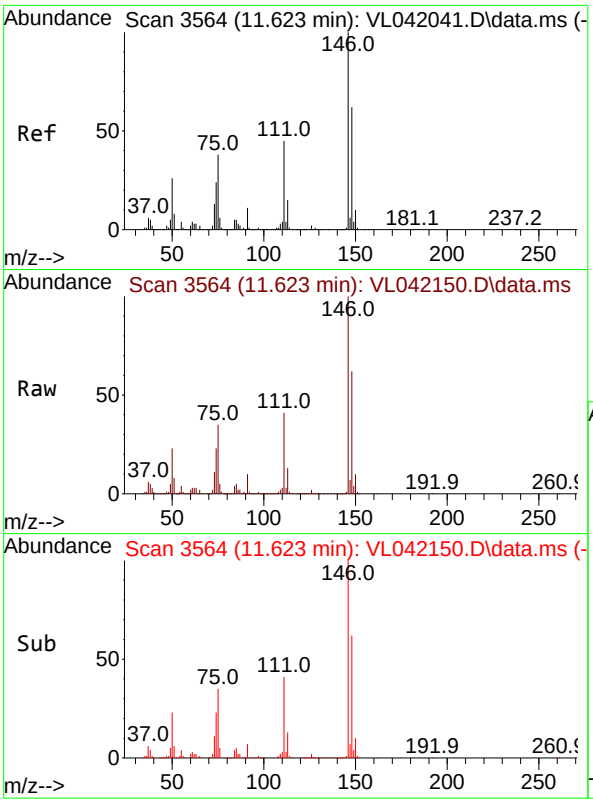


#74
1,2,4-Trimethylbenzene
Concen: 9.378 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 555462

Ion	Ratio	Lower	Upper
105	100		
120	49.7	40.2	60.2
91	57.0	51.4	77.2
77	22.1	20.1	30.1



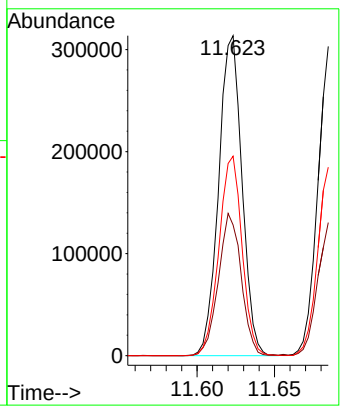


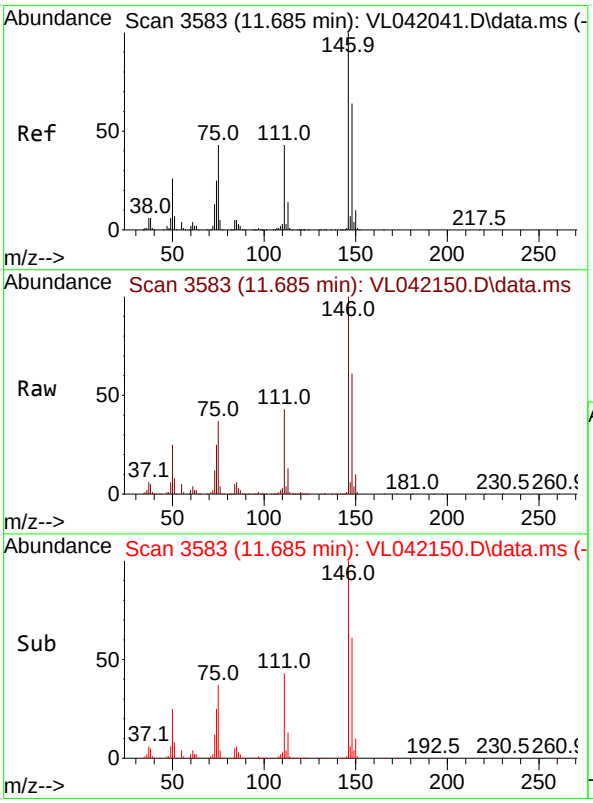
#75
1,3-Dichlorobenzene
Concen: 9.640 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 328628

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.4	67.2
148	62.0	32.3	96.8

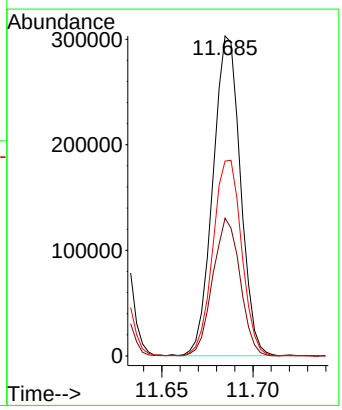


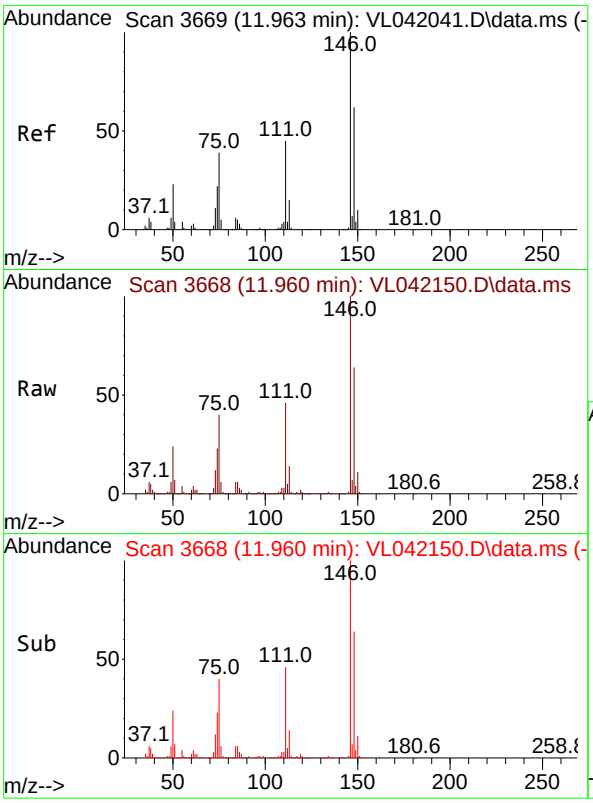


#76
1,4-Dichlorobenzene
Concen: 9.389 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:146 Resp: 317775

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	64.1	31.6	95.0



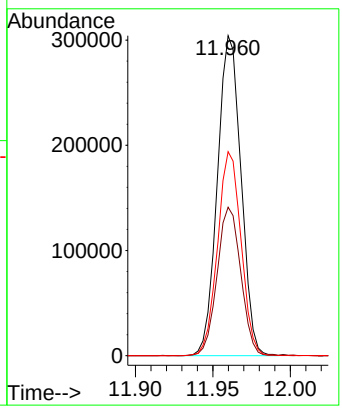


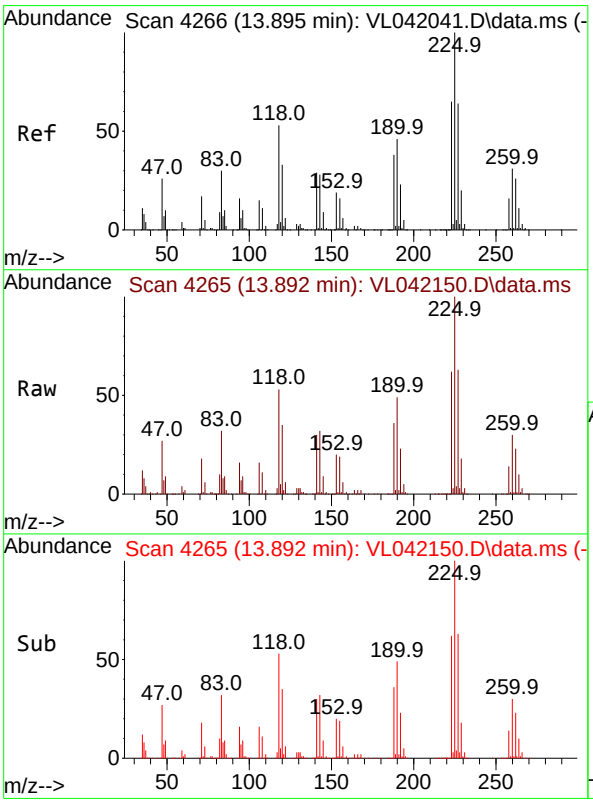
#77
1,2-Dichlorobenzene
Concen: 9.758 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 322801

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.2	69.6
148	63.4	31.4	94.2

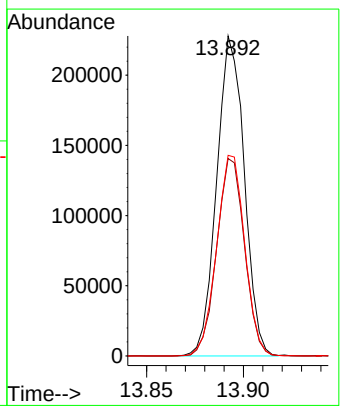


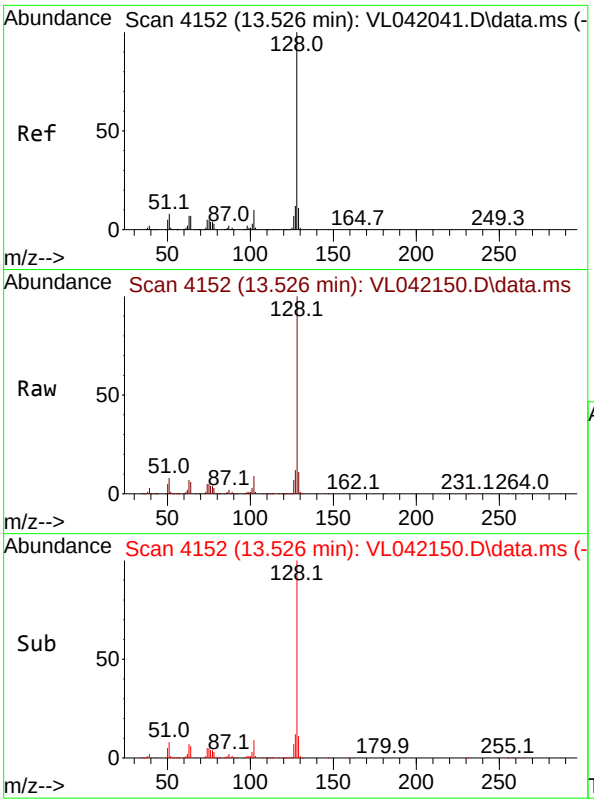


#78
Hexachloro-1,3-Butadiene
Concen: 8.772 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:225 Resp: 225792

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	63.9	50.8	76.2



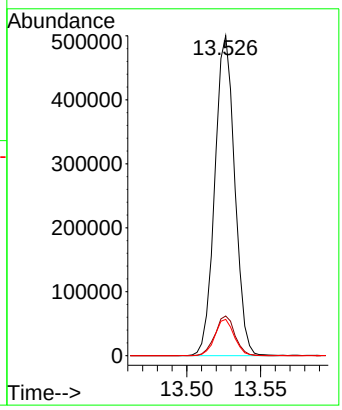


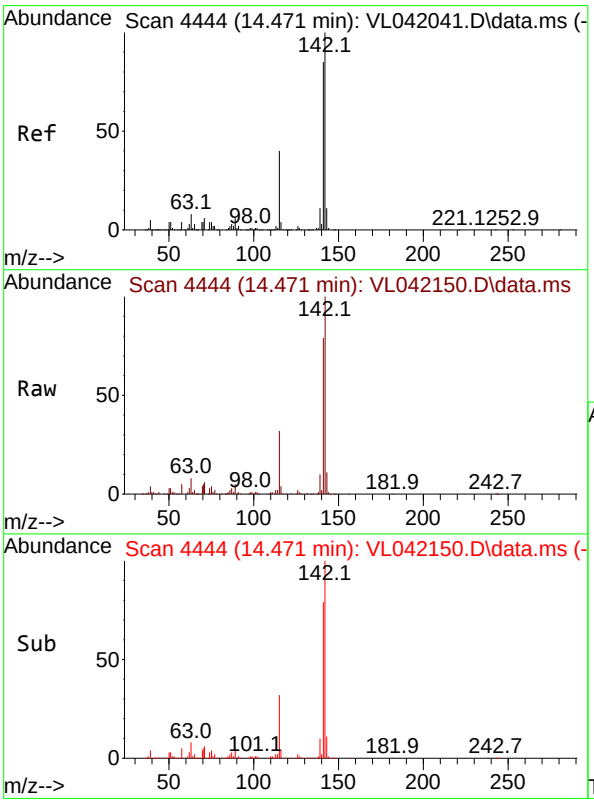
#79
Naphthalene
Concen: 11.545 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 468885

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	11.3	8.6	12.8

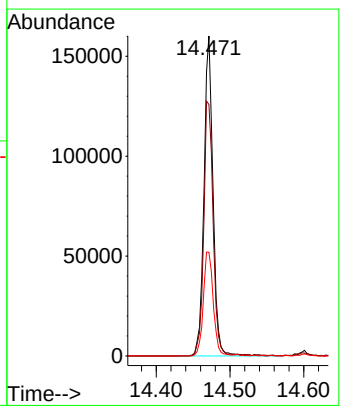


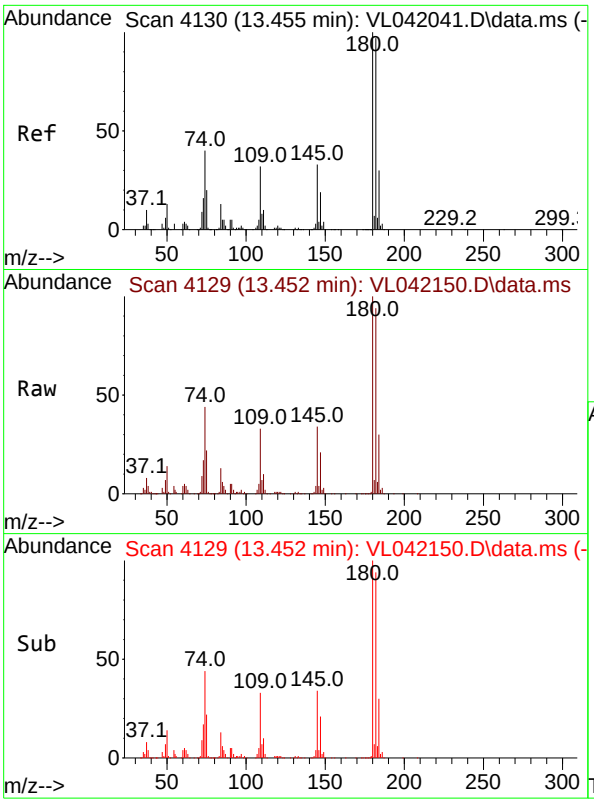


#80
Naphthalene,2-methyl-
Concen: 12.224 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:142 Resp: 135870

Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.8	98.6
115	36.3	29.5	44.3



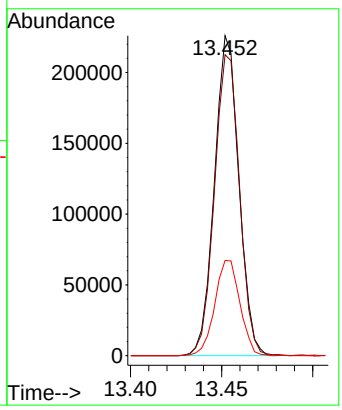


#81
1,2,4-Trichlorobenzene
Concen: 9.305 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 210617

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.1	112.7
184	30.7	23.8	35.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042152.D
Acq On : 17 Mar 2025 11:38
Operator : SY/MD
Sample : VL0317ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Quant Time: Mar 18 01:22:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	168331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	405507	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	339099	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	282890	10.844	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	180681	10.322	ppbv	99
3) Chlorodifluoromethane	1.479	51	219701	8.980	ppbv	100
4) Chloromethane	1.538	50	71134	10.989	ppbv	99
5) Vinyl Chloride	1.586	62	68001	11.106	ppbv	99
6) Bromomethane	1.674	94	32244	11.059	ppbv	97
7) Chloroethane	1.709	64	26575	10.682	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	152871	10.624	ppbv	100
9) Propene	1.489	41	87265	8.756	ppbv	99
10) Heptane	5.004	43	250401	8.069	ppbv	97
11) Trichlorofluoromethane	1.884	101	193415	11.028	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	142239	10.167	ppbv	96
13) Ethanol	1.729	45	6589	10.414	ppbv	100
14) Bromoethene	1.787	108	53682	10.866	ppbv	99
15) Acetone	1.842	43	153734	10.342	ppbv	97
16) 1,3-Butadiene	1.615	39	73596	10.638	ppbv	99
17) tert-Butyl alcohol	2.049	59	168888	9.081	ppbv	97
18) 1,1-Dichloroethene	2.043	96	64186	10.153	ppbv	92
19) Isopropyl Alcohol	1.894	45	87101	10.200	ppbv	93
20) Methylene Chloride	2.068	84	69871	12.426	ppbv	97
21) Allyl Chloride	2.104	41	107619	10.020	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	70469	9.562	ppbv	94
23) Vinyl Acetate	2.473	43	86073	8.235	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	136457	9.951	ppbv	99
25) Ethyl Acetate	2.848	43	522277	8.777	ppbv	99
26) Hexane	2.836	57	219929	9.143	ppbv	95
27) Carbon Disulfide	2.159	76	170724	10.470	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	96989	8.099	ppbv	98
29) Chloroform	2.861	83	279316	8.627	ppbv	98
30) Cyclohexane	3.871	84	153350	7.854	ppbv	96
31) cis-1,2-Dichloroethene	2.732	61	175002	7.685	ppbv	96
32) 1,1,1-Trichloroethane	3.382	97	252623	8.044	ppbv	96
34) 2-Butanone	2.567	43	285475	9.036	ppbv	98
35) Carbon Tetrachloride	3.777	117	263308	9.416	ppbv	97
36) Benzene	3.671	78	368780	8.687	ppbv	99
37) 1,2-Dichloroethane	3.230	62	205805	8.744	ppbv	99
38) Trichloroethene	4.570	130	141107	8.140	ppbv	97
39) 1,2-Dichloropropane	4.334	63	138287	8.583	ppbv	97
40) 1,4-Dioxane	4.609	88	62727	8.528	ppbv #	98
41) Tetrahydrofuran	3.069	42	158737	8.504	ppbv	97
42) Bromodichloromethane	4.512	83	284311	8.966	ppbv	99
43) Methyl Methacrylate	4.910	69	132841	8.013	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	662648	8.845	ppbv	97
45) t-1,3-Dichloropropene	6.441	75	120373	7.308	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042152.D
Acq On : 17 Mar 2025 11:38
Operator : SY/MD
Sample : VL0317ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Quant Time: Mar 18 01:22:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

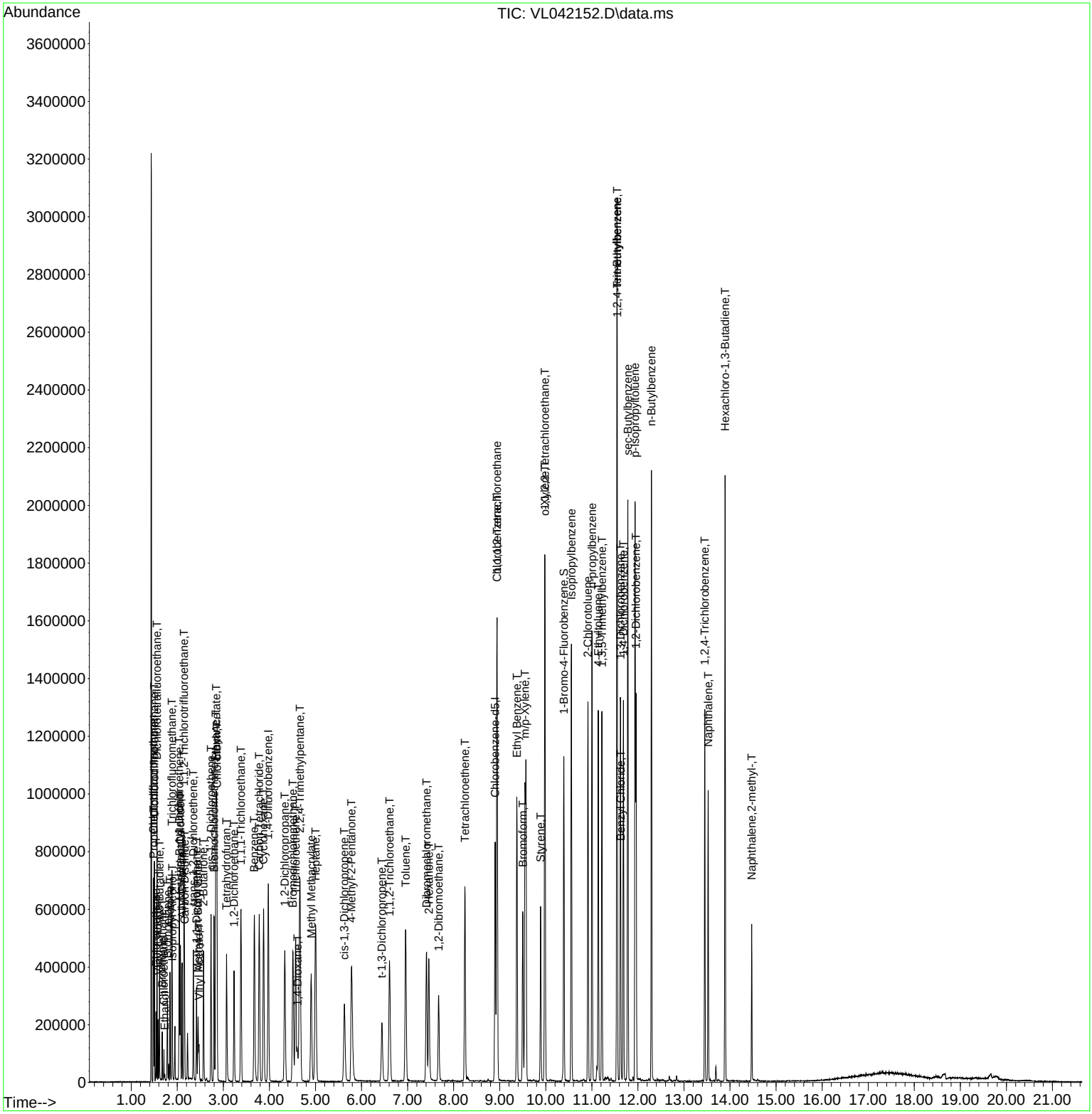
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	168060	7.885	ppbv		97
47) 1,1,2-Trichloroethane	6.606	97	145834	8.915	ppbv		97
48) Dibromochloromethane	7.412	129	224861	8.777	ppbv		98
49) Bromoform	9.500	173	203574	9.150	ppbv		99
50) 4-Methyl-2-Pentanone	5.781	43	378000	9.252	ppbv		97
51) 2-Hexanone	7.461	43	289813	10.306	ppbv	#	96
52) Tetrachloroethene	8.244	164	121217	8.341	ppbv		97
53) Toluene	6.959	91	380447	8.019	ppbv		98
54) 1,2-Dibromoethane	7.674	107	187462	8.477	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.943	131	183855	9.593	ppbv		100
57) Chlorobenzene	8.940	112	325825	9.267	ppbv		98
58) Ethyl Benzene	9.374	91	530577	8.496	ppbv		99
59) m/p-Xylene	9.548	91	464619	9.349	ppbv	#	100
60) o-Xylene	9.982	91	457063	9.148	ppbv		99
61) Styrene	9.888	104	195754	8.334	ppbv		99
62) Isopropylbenzene	10.555	105	674921	9.020	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.979	83	324554	9.864	ppbv		99
64) n-propylbenzene	11.005	120	183756	9.363	ppbv		100
65) tert-Butylbenzene	11.545	119	624075	9.165	ppbv		98
66) Benzyl Chloride	11.629	91	42782	8.233	ppbv		97
67) sec-Butylbenzene	11.782	105	891362	9.153	ppbv		99
69) p-Isopropyltoluene	11.937	119	713173	9.204	ppbv		98
70) n-Butylbenzene	12.293	91	740235	9.359	ppbv		99
71) 2-Chlorotoluene	10.914	91	498827	8.648	ppbv		99
72) 4-Ethyltoluene	11.141	105	553863	9.080	ppbv		99
73) 1,3,5-Trimethylbenzene	11.218	105	470478	8.891	ppbv		99
74) 1,2,4-Trimethylbenzene	11.552	105	546537	9.173	ppbv		92
75) 1,3-Dichlorobenzene	11.623	146	315233	9.193	ppbv		99
76) 1,4-Dichlorobenzene	11.684	146	312196	9.170	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	313994	9.436	ppbv		99
78) Hexachloro-1,3-Butadiene	13.892	225	219764	8.487	ppbv		99
79) Naphthalene	13.526	128	451423	11.049	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	140075	12.529	ppbv		100
81) 1,2,4-Trichlorobenzene	13.452	180	209284	9.192	ppbv		98

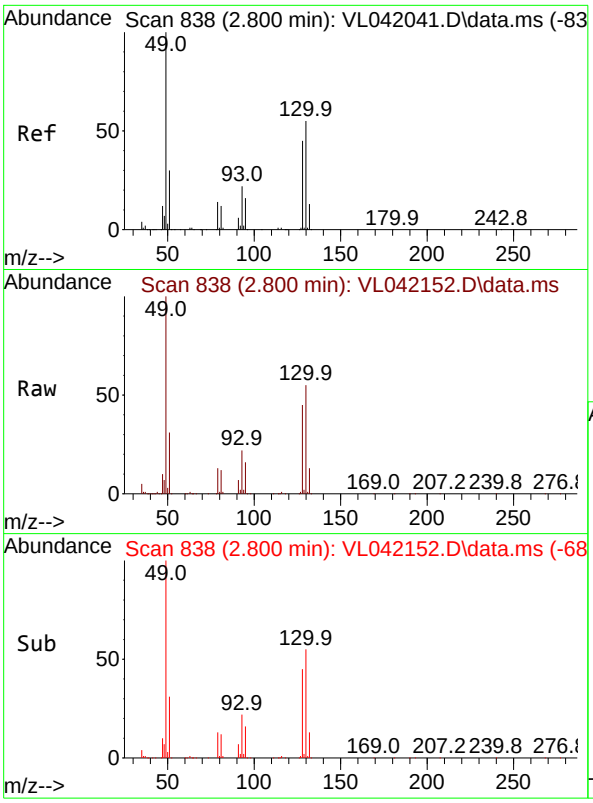
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042152.D
Acq On : 17 Mar 2025 11:38
Operator : SY/MD
Sample : VL0317ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Quant Time: Mar 18 01:22:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



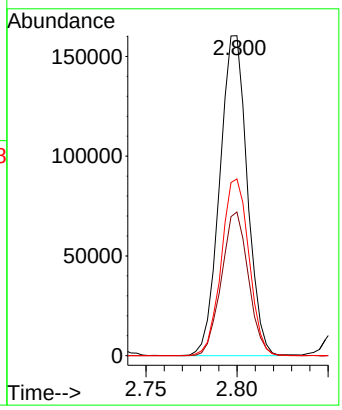


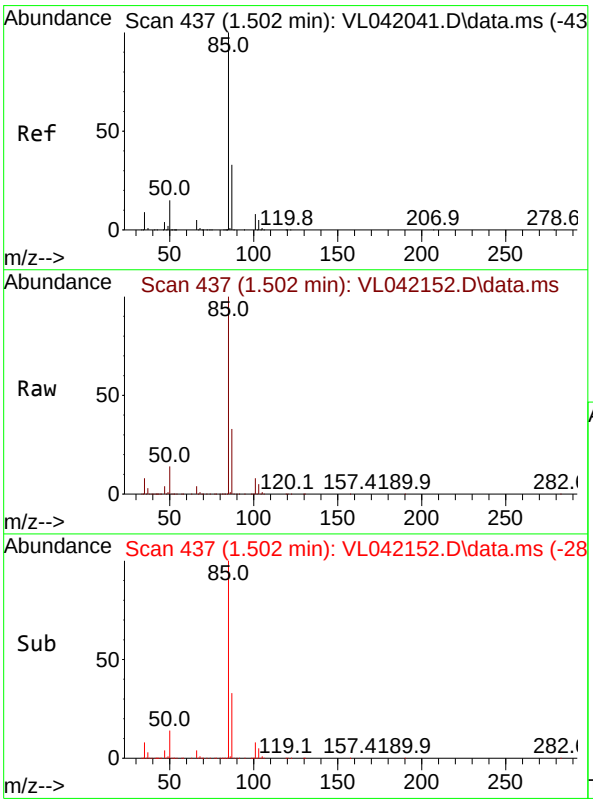
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 49 Resp: 168331

Ion	Ratio	Lower	Upper
49	100		
128	43.9	21.6	64.8
130	55.3	27.8	83.4

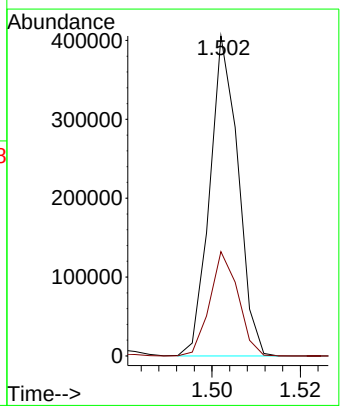


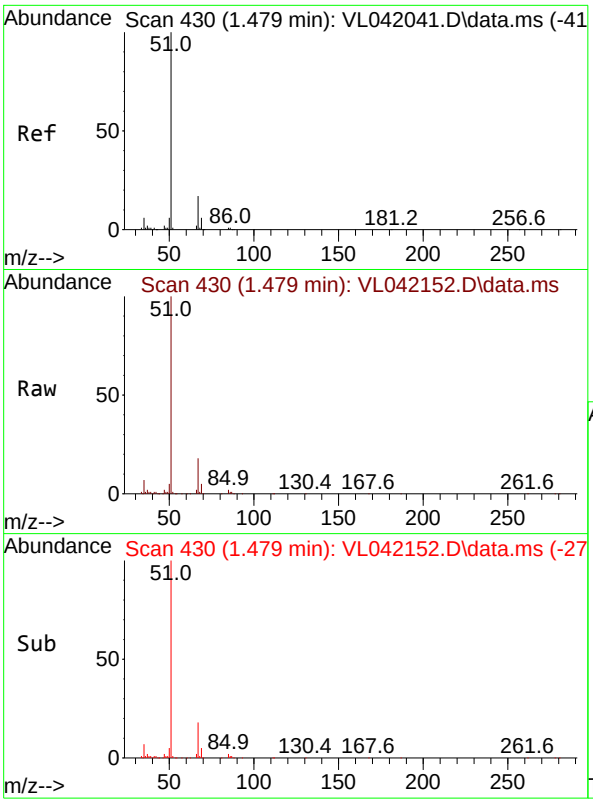


#2
Dichlorodifluoromethane
Concen: 10.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 85 Resp: 180681

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.4	39.6



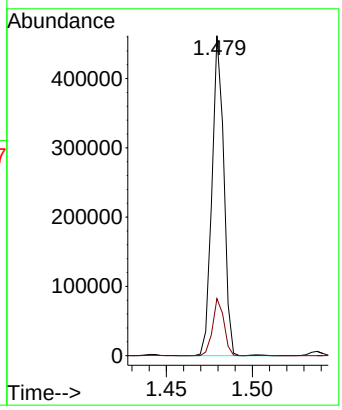


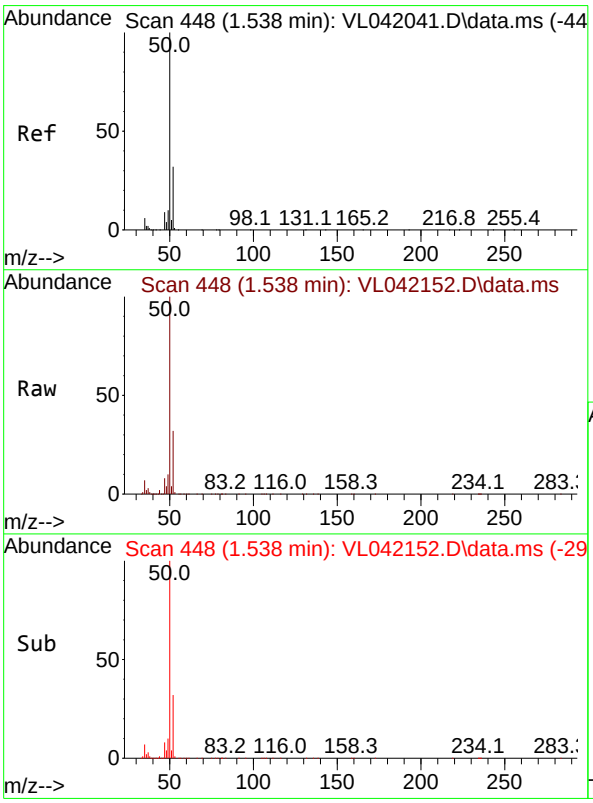
#3
Chlorodifluoromethane
Concen: 8.980 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 51 Resp: 219701

Ion	Ratio	Lower	Upper
51	100		
67	17.2	13.7	20.5

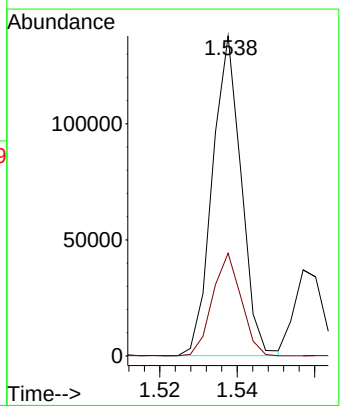


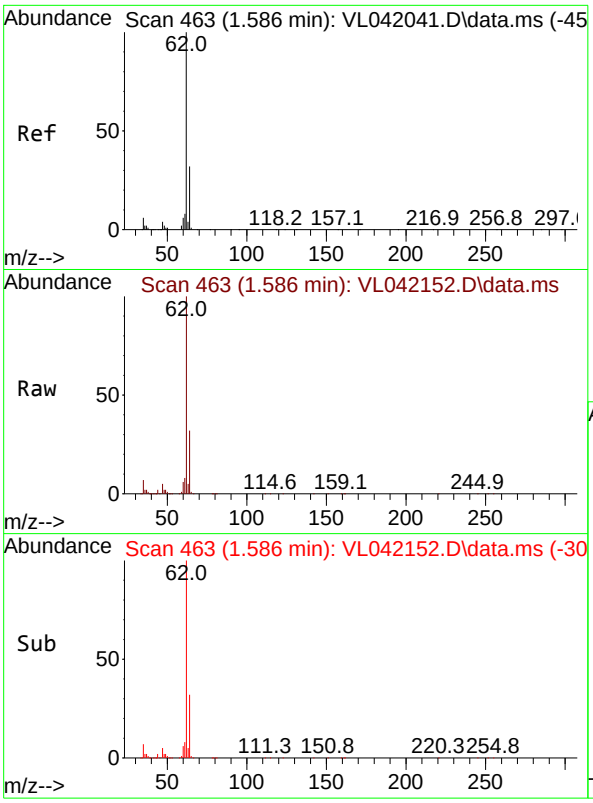


#4
Chloromethane
Concen: 10.989 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 50 Resp: 71134

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.4	38.0



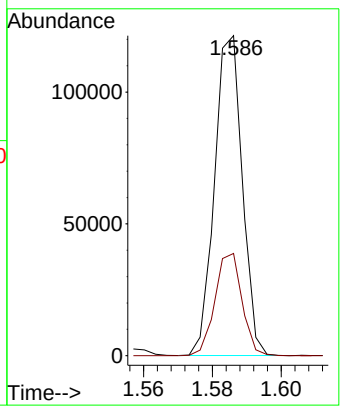


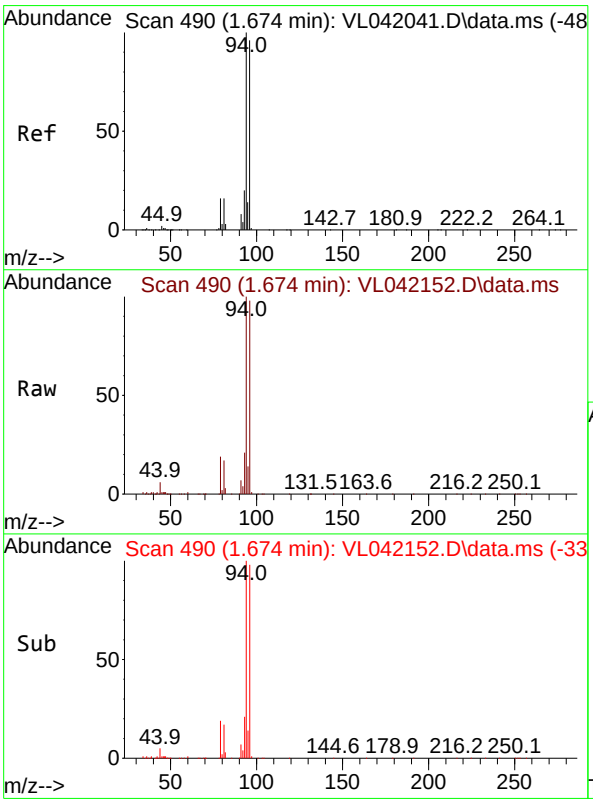
#5
Vinyl Chloride
Concen: 11.106 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 62 Resp: 68001

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9

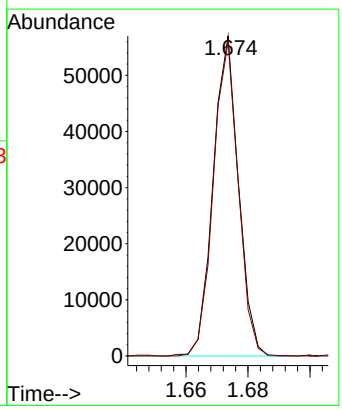


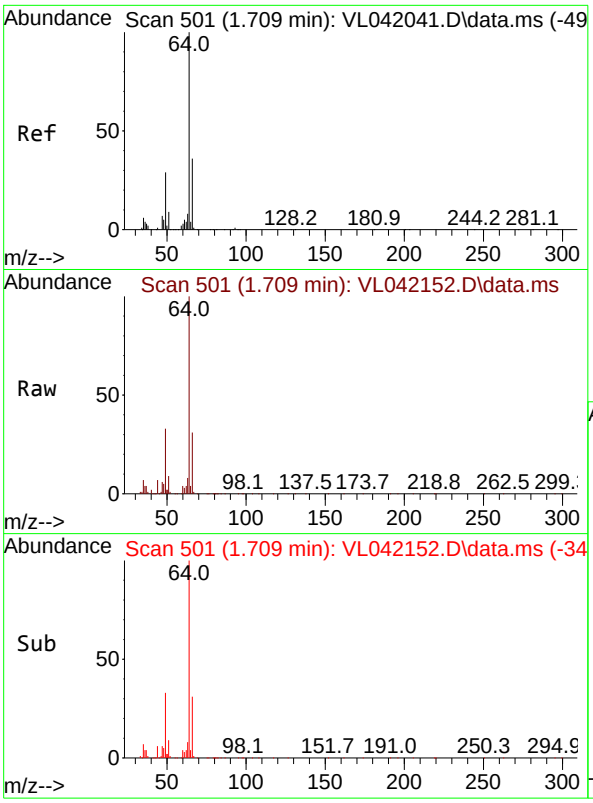


#6
Bromomethane
Concen: 11.059 ppbv
RT: 1.674 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 94 Resp: 32244

Ion	Ratio	Lower	Upper
94	100		
96	98.2	76.5	114.7



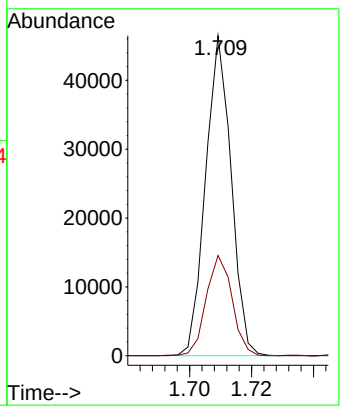


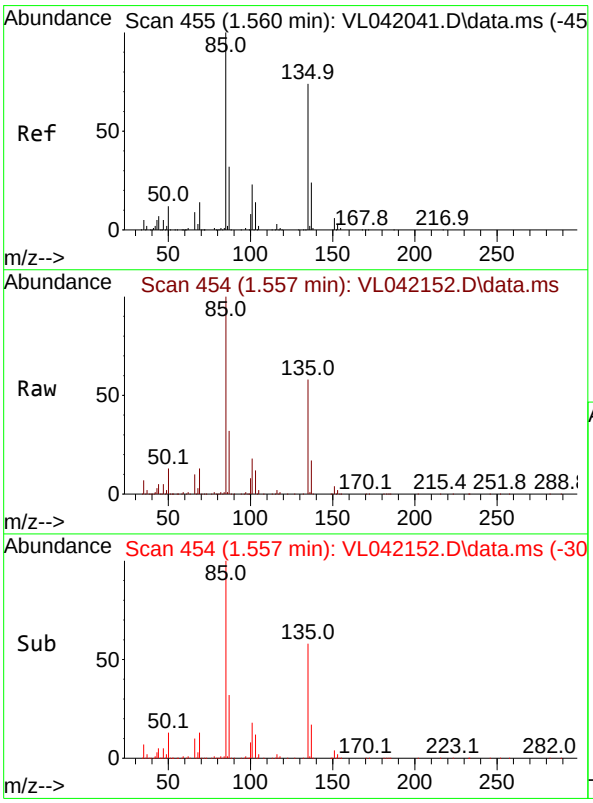
#7
Chloroethane
Concen: 10.682 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 64 Resp: 26575

Ion	Ratio	Lower	Upper
64	100		
66	31.3	28.4	42.6

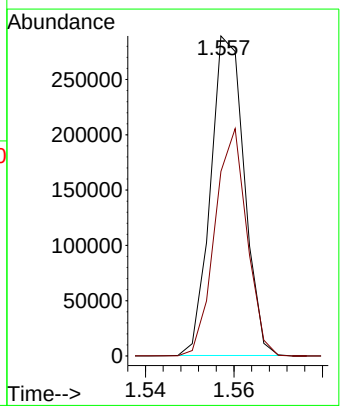


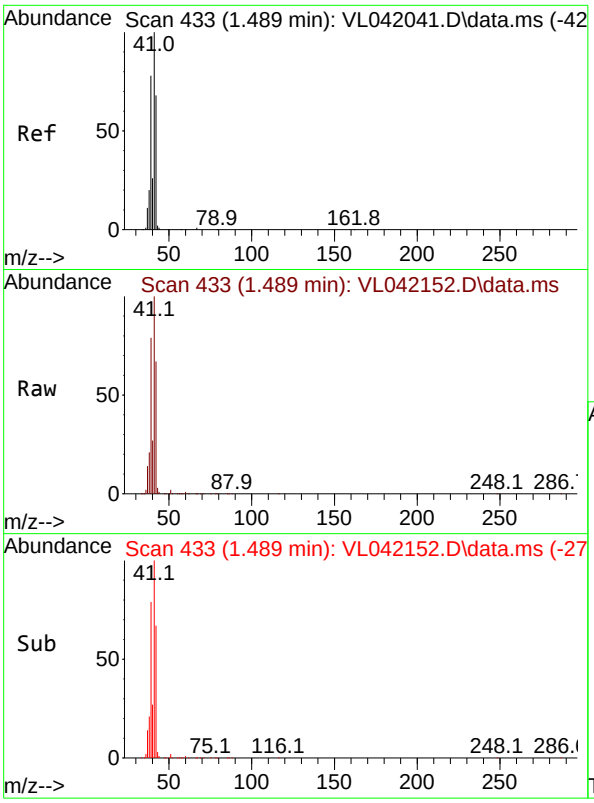


#8
Dichlorotetrafluoroethane
Concen: 10.624 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 85 Resp: 152871

Ion	Ratio	Lower	Upper
85	100		
135	67.8	54.6	81.8



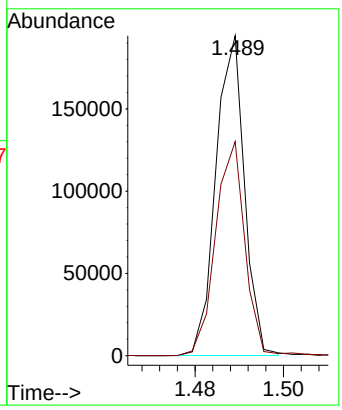


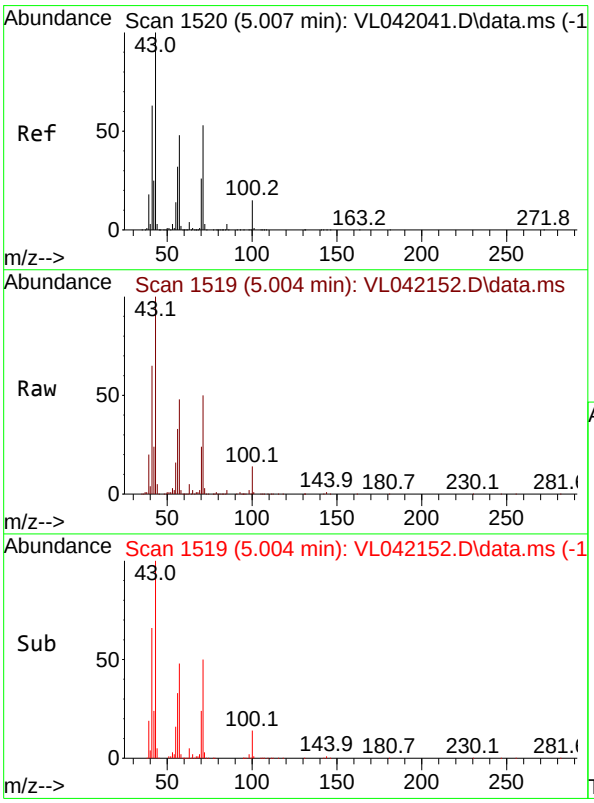
#9
Propene
Concen: 8.756 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 41 Resp: 87265

Ion	Ratio	Lower	Upper
41	100		
42	69.2	55.8	83.6

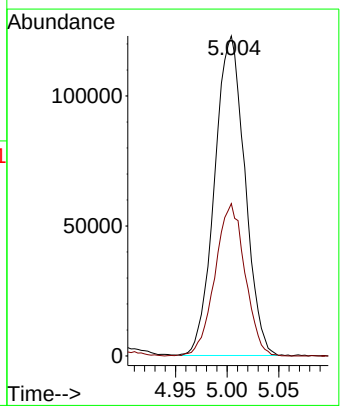


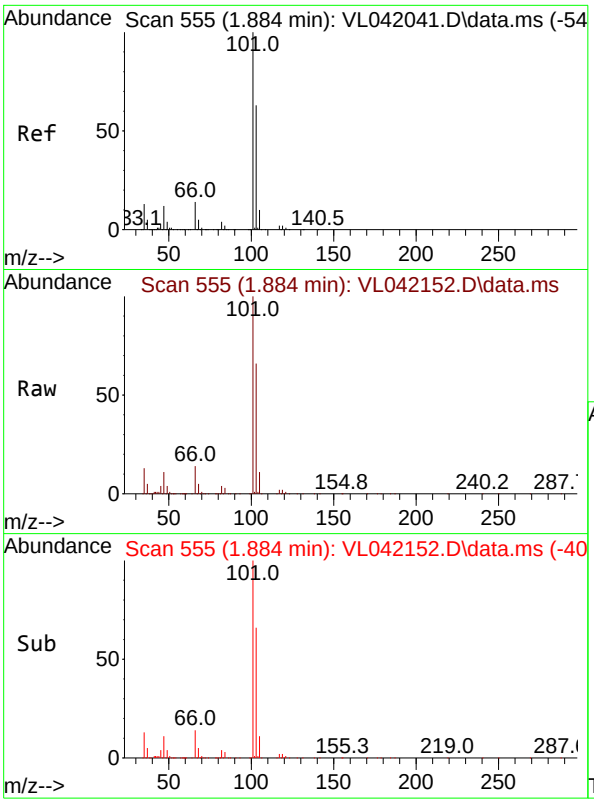


#10
Heptane
Concen: 8.069 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 250401

Ion	Ratio	Lower	Upper
43	100		
57	47.2	39.4	59.0



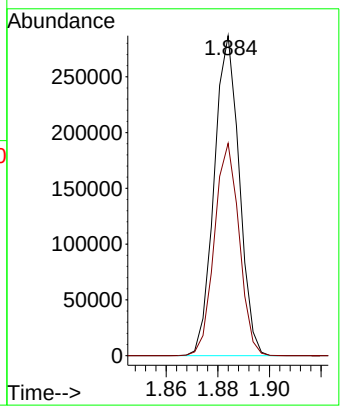


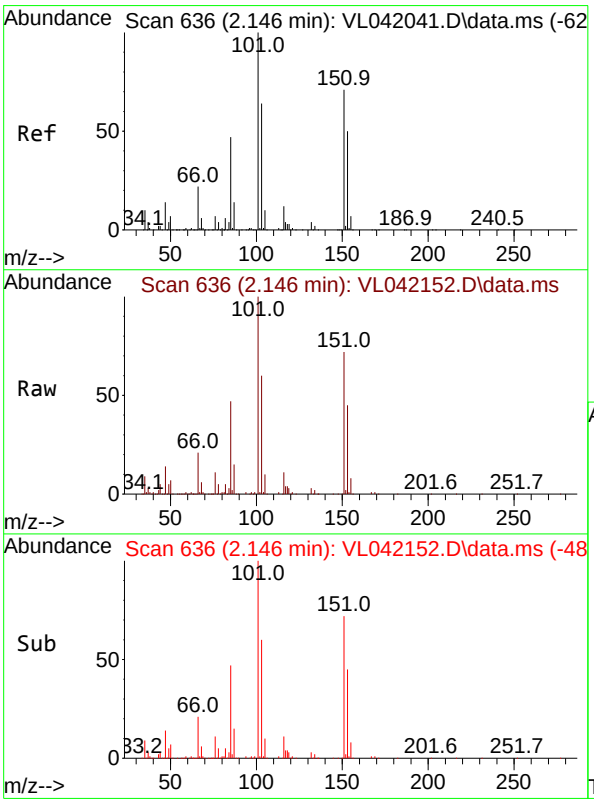
#11
Trichlorofluoromethane
Concen: 11.028 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:101 Resp: 193415

Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.6	75.8

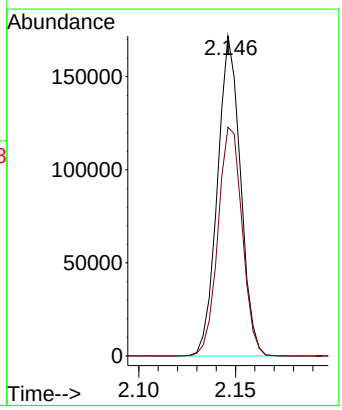


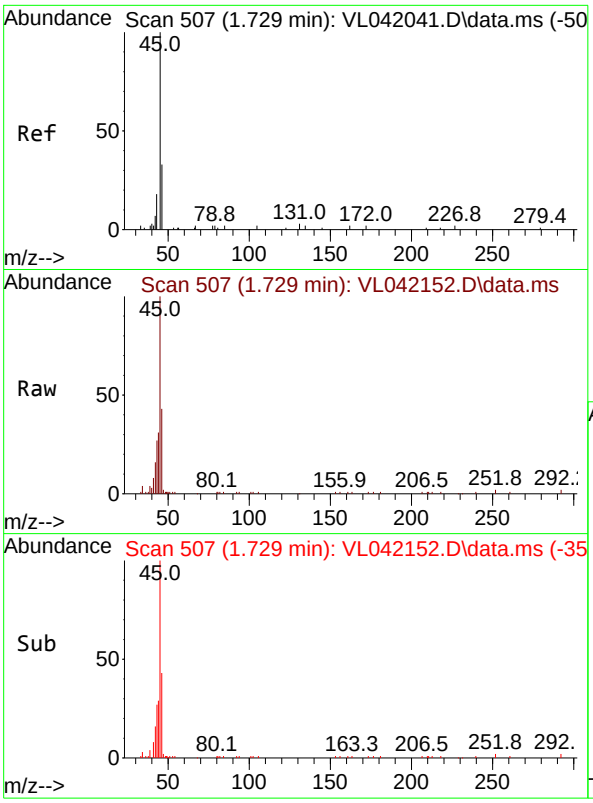


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.167 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:101 Resp: 142239

Ion	Ratio	Lower	Upper
101	100		
151	75.1	62.6	94.0



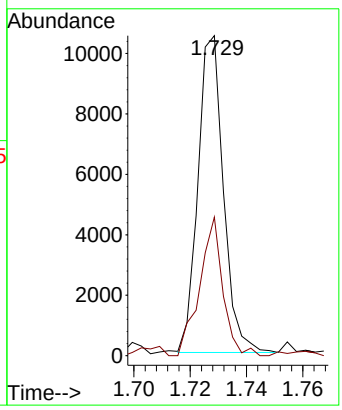


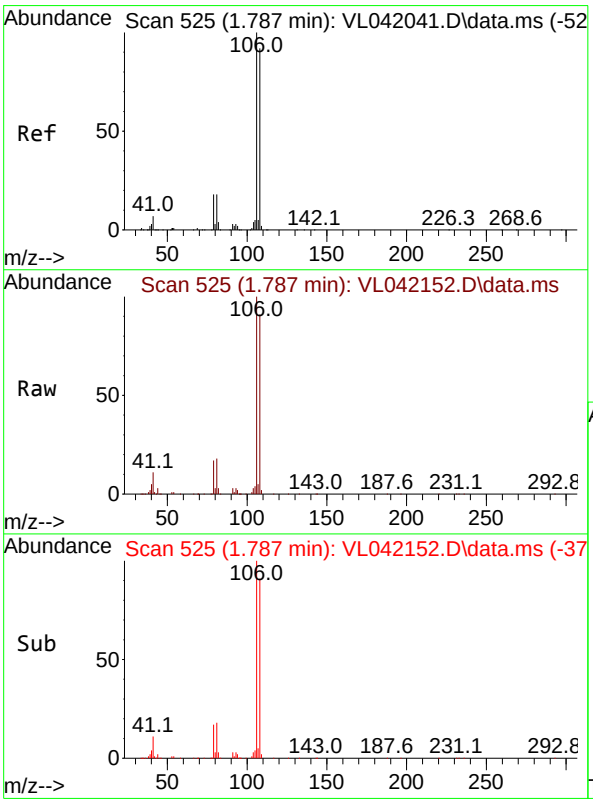
#13
Ethanol
Concen: 10.414 ppbv
RT: 1.729 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 45 Resp: 6589

Ion	Ratio	Lower	Upper
45	100		
46	43.0	17.1	68.3

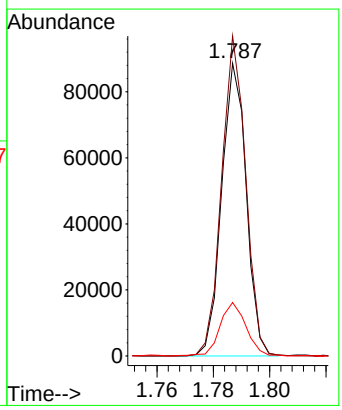


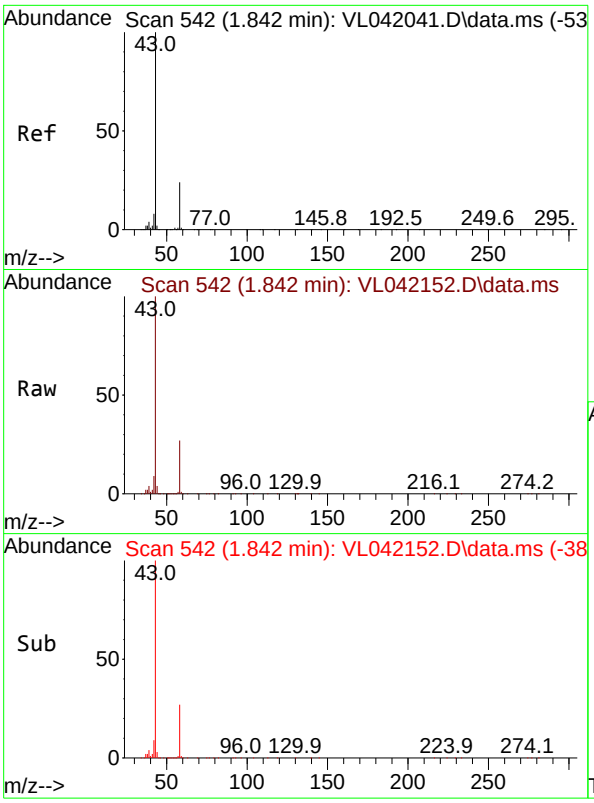


#14
Bromoethene
Concen: 10.866 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:108 Resp: 53682

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.4	128.0
79	19.7	16.5	24.7



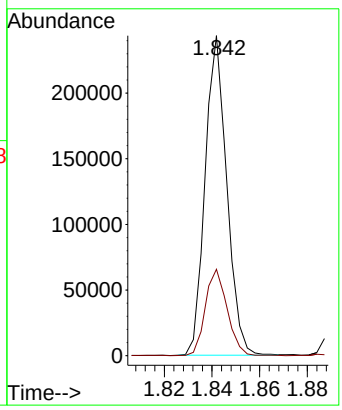


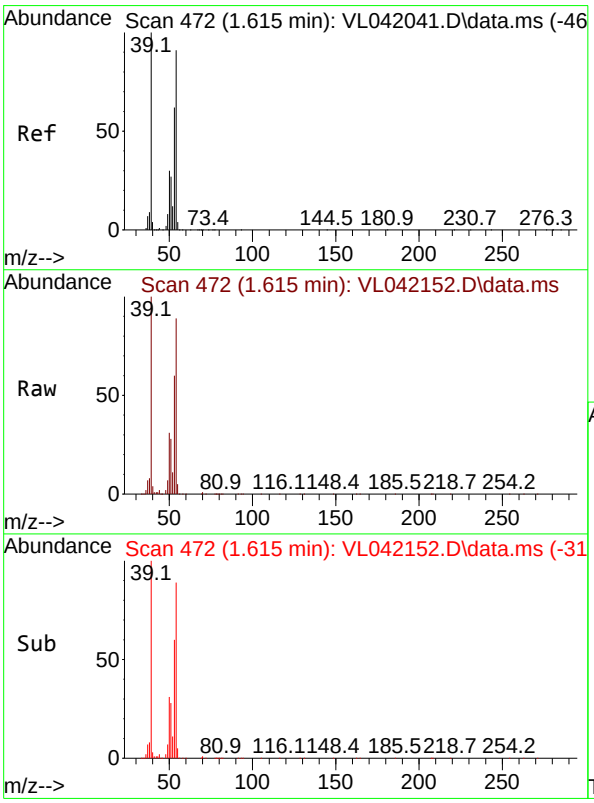
#15
Acetone
Concen: 10.342 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 43 Resp: 153734

Ion	Ratio	Lower	Upper
43	100		
58	27.5	20.7	31.1

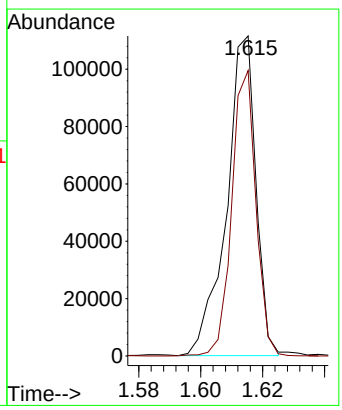


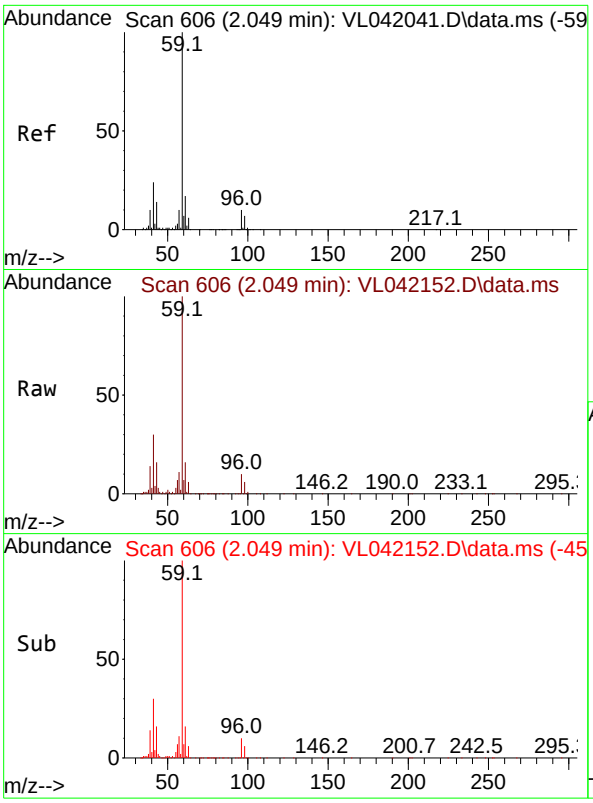


#16
1,3-Butadiene
Concen: 10.638 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 39 Resp: 73596

Ion	Ratio	Lower	Upper
39	100		
54	73.4	59.6	89.4



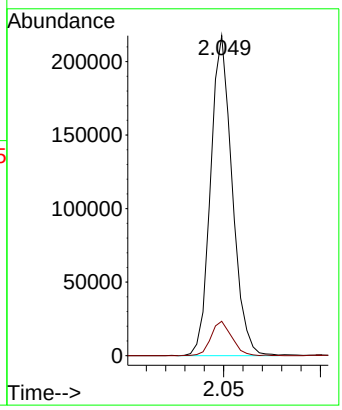


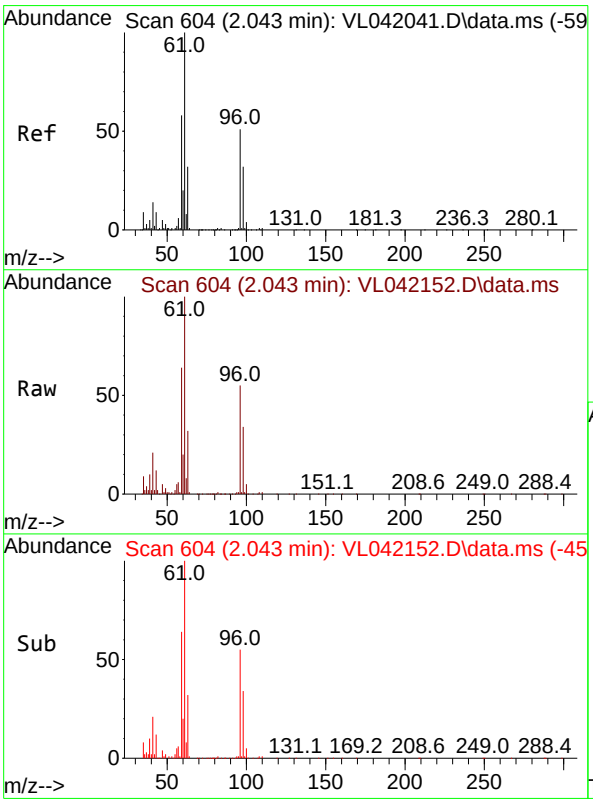
#17
tert-Butyl alcohol
Concen: 9.081 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 59 Resp: 168888

Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.3	13.9

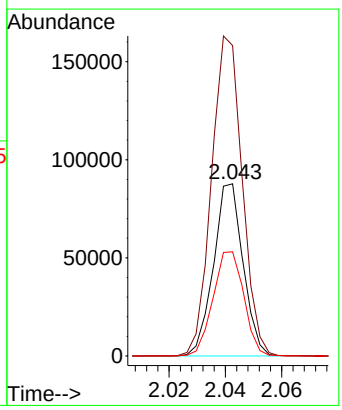


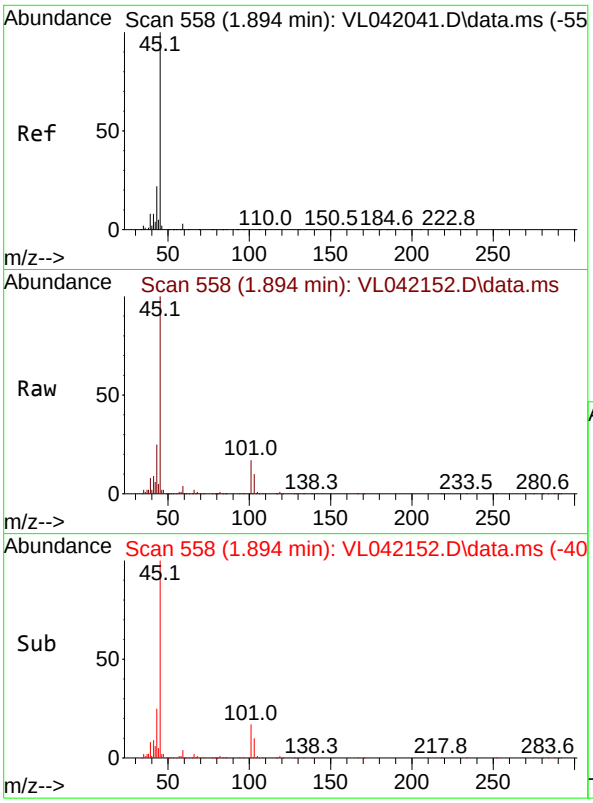


#18
1,1-Dichloroethene
Concen: 10.153 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 96 Resp: 64186

Ion	Ratio	Lower	Upper
96	100		
61	180.1	156.0	234.0
98	60.4	49.4	74.2



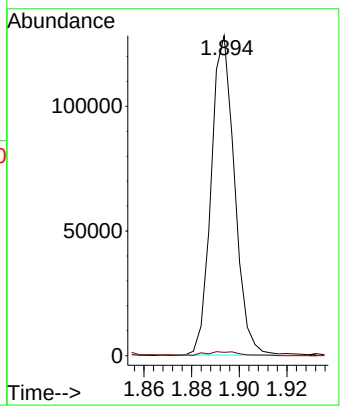


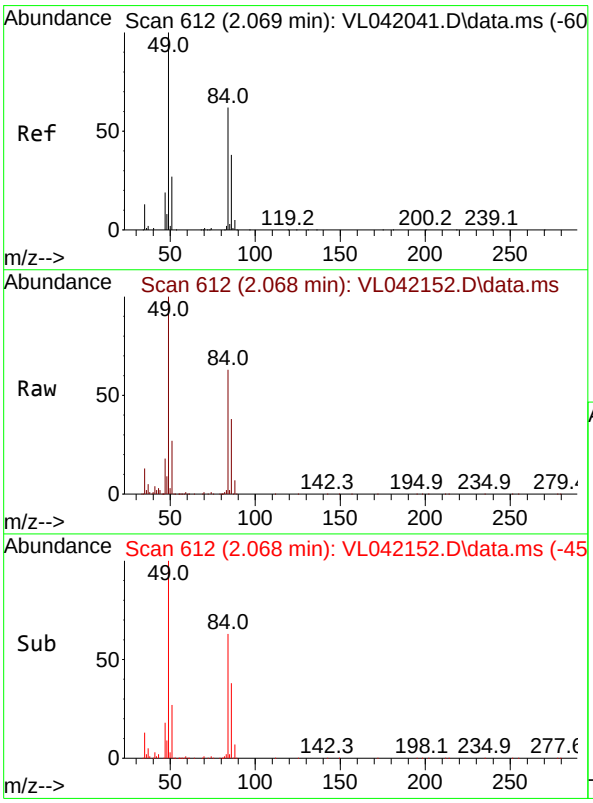
#19
Isopropyl Alcohol
Concen: 10.200 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 45 Resp: 87101

Ion	Ratio	Lower	Upper
45	100		
58	48.5	35.3	52.9

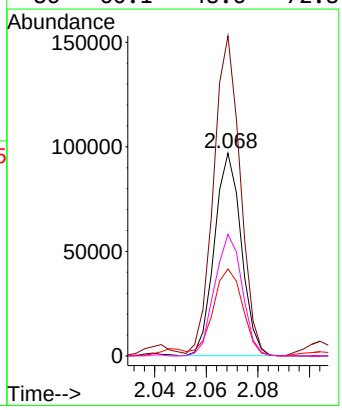


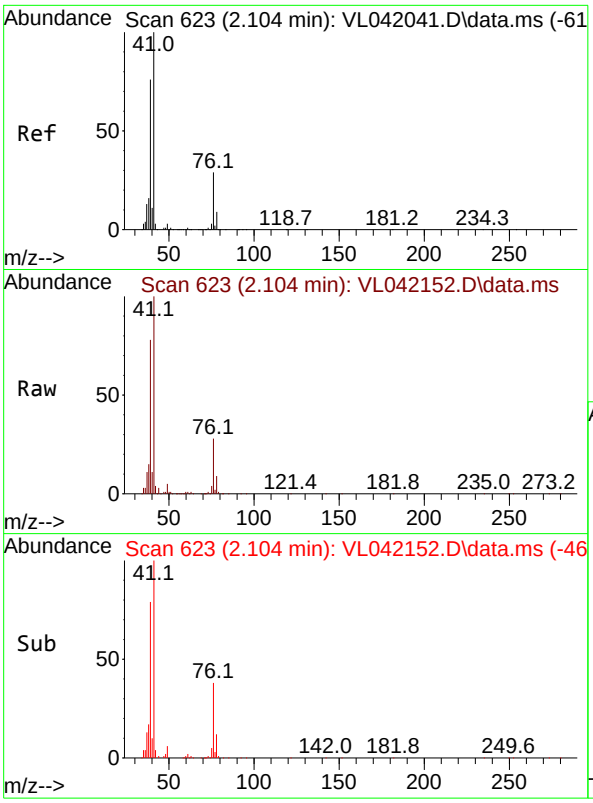


#20
Methylene Chloride
Concen: 12.426 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 84 Resp: 69871

Ion	Ratio	Lower	Upper
84	100		
49	158.1	130.0	195.0
51	42.9	37.4	56.0
86	60.1	48.6	72.8



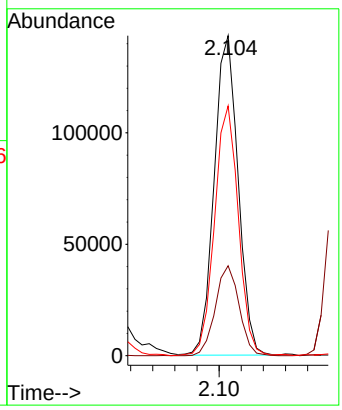


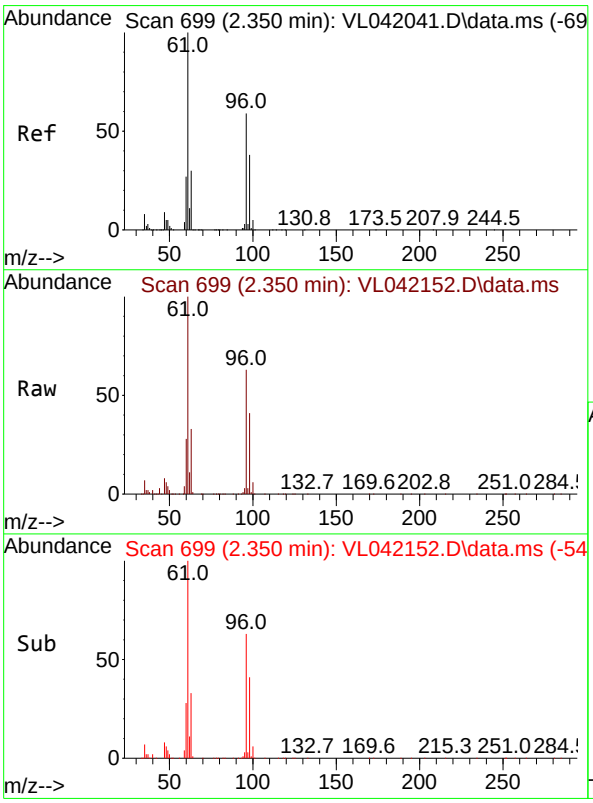
#21
Allyl Chloride
Concen: 10.020 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 41 Resp: 107619

Ion	Ratio	Lower	Upper
41	100		
76	28.0	23.8	35.6
39	77.4	63.8	95.6

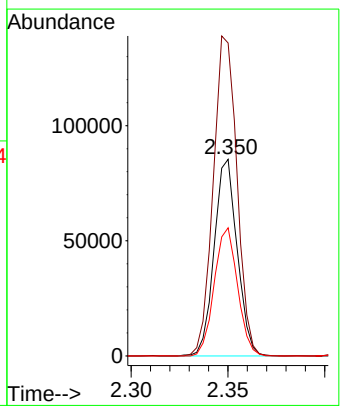


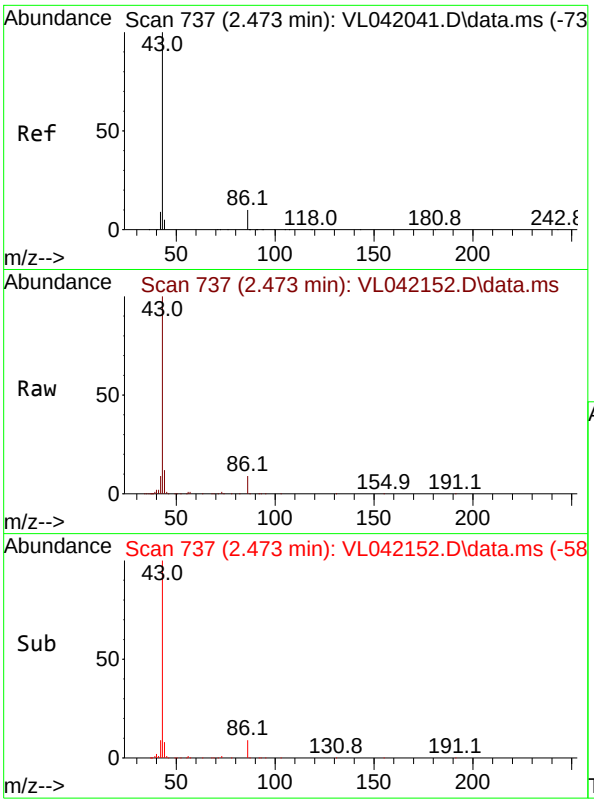


#22
trans-1,2-Dichloroethene
Concen: 9.562 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 96 Resp: 70469

Ion	Ratio	Lower	Upper
96	100		
61	159.1	136.6	205.0
98	65.1	51.8	77.6



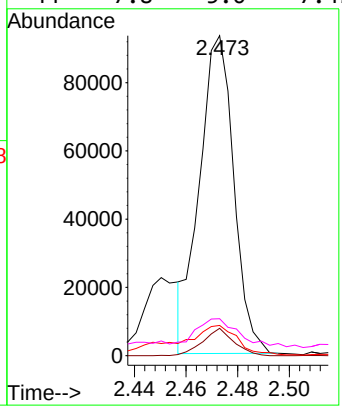


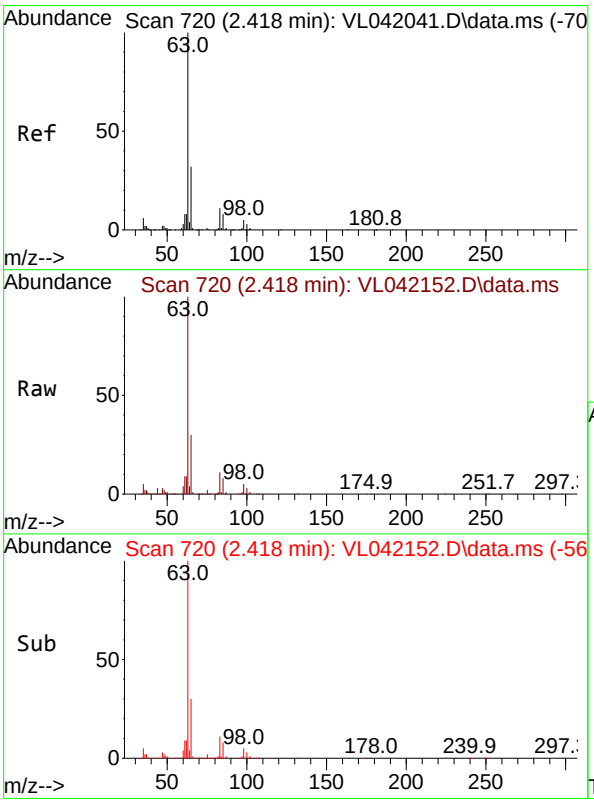
#23
Vinyl Acetate
Concen: 8.235 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 43 Resp: 86073

Ion	Ratio	Lower	Upper
43	100		
86	8.6	7.0	10.4
42	9.0	7.6	11.4
44	7.8	5.0	7.4#

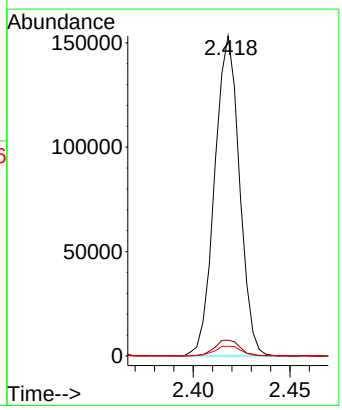


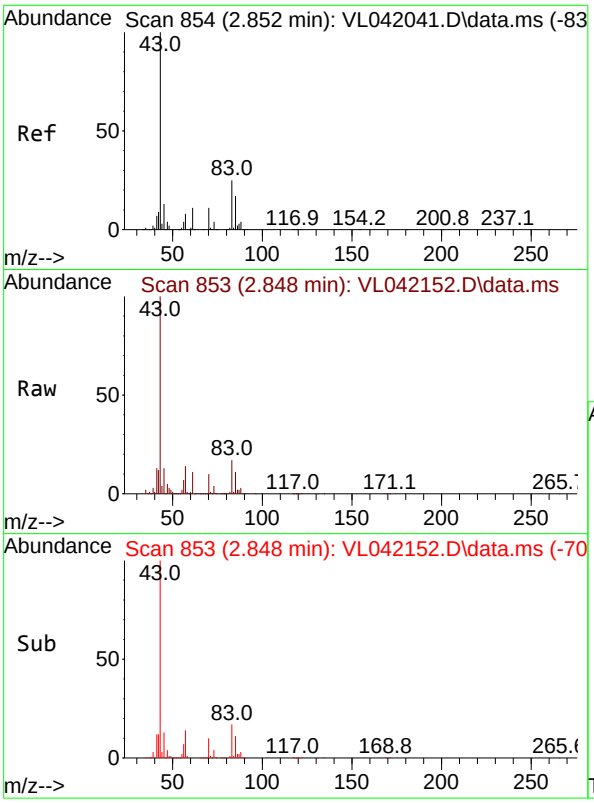


#24
1,1-Dichloroethane
Concen: 9.951 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 63 Resp: 136457

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.2
100	3.0	1.7	5.0



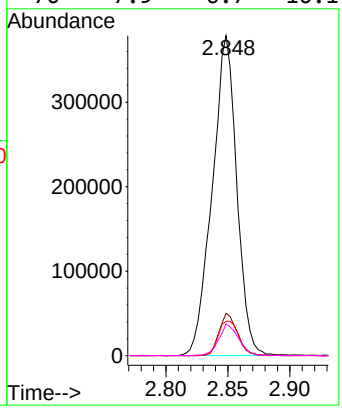


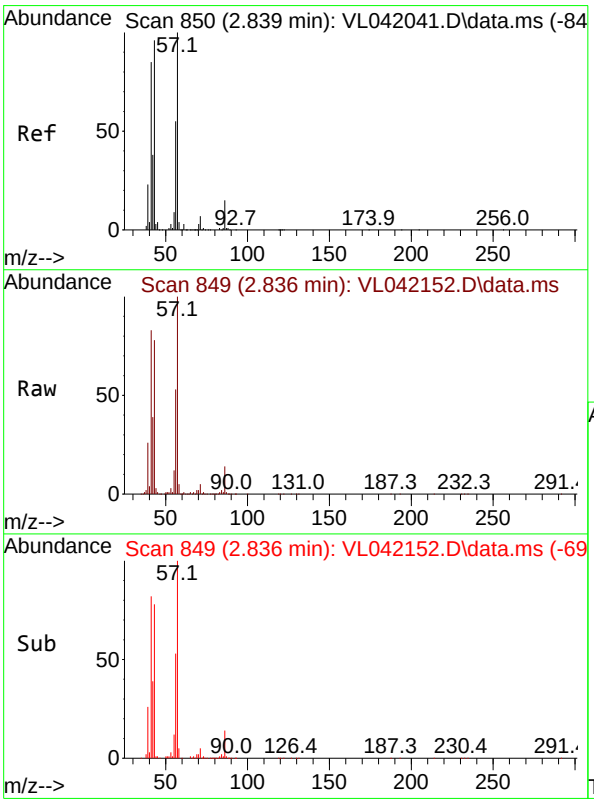
#25
Ethyl Acetate
Concen: 8.777 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 43 Resp: 522277

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.2	7.2	10.8
70	7.9	6.7	10.1

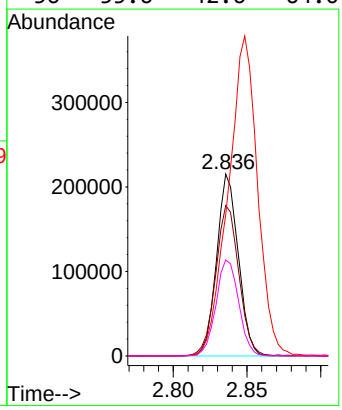


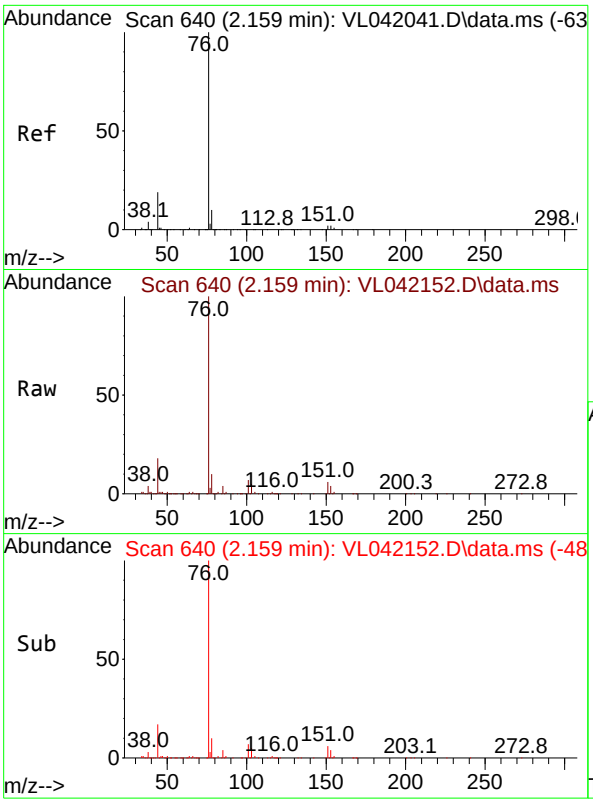


#26
Hexane
Concen: 9.143 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 57 Resp: 219929

Ion	Ratio	Lower	Upper
57	100		
41	89.7	70.6	106.0
43	238.2	199.4	299.0
56	55.6	42.6	64.0



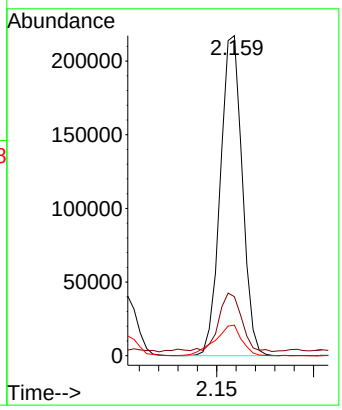


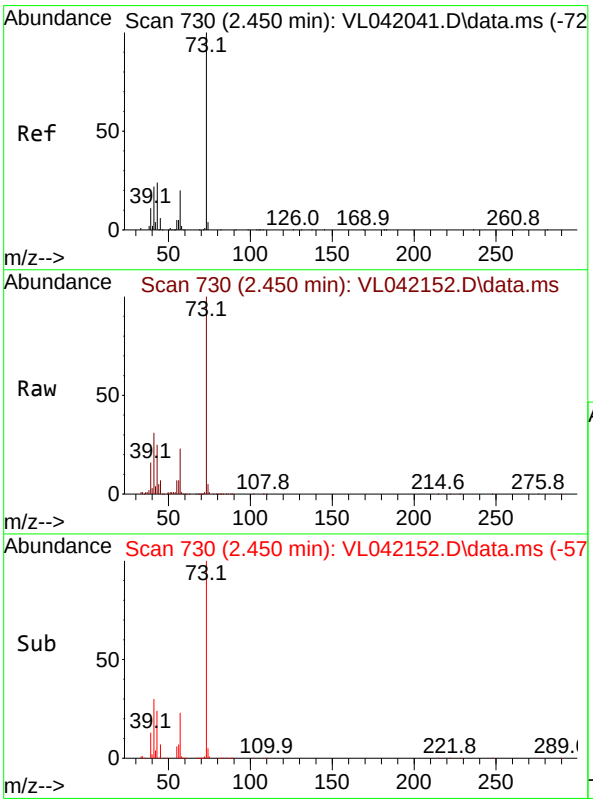
#27
Carbon Disulfide
Concen: 10.470 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 76 Resp: 170724

Ion	Ratio	Lower	Upper
76	100		
44	18.4	16.2	24.2
78	11.8	9.4	14.0

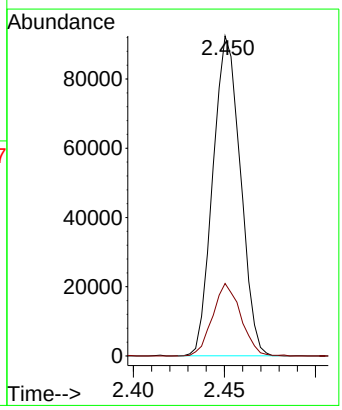


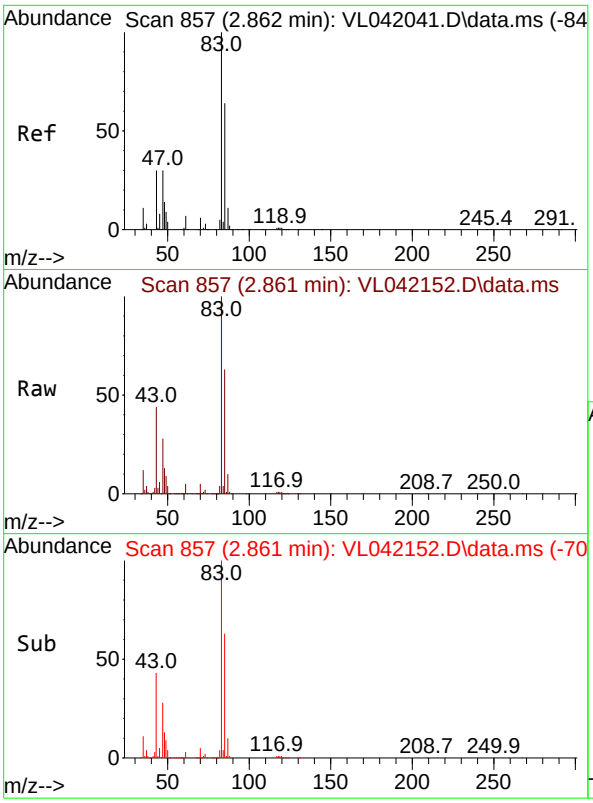


#28
Methyl tert-Butyl Ether
Concen: 8.099 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 73 Resp: 96989

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5



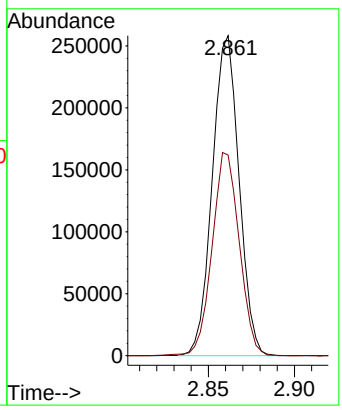


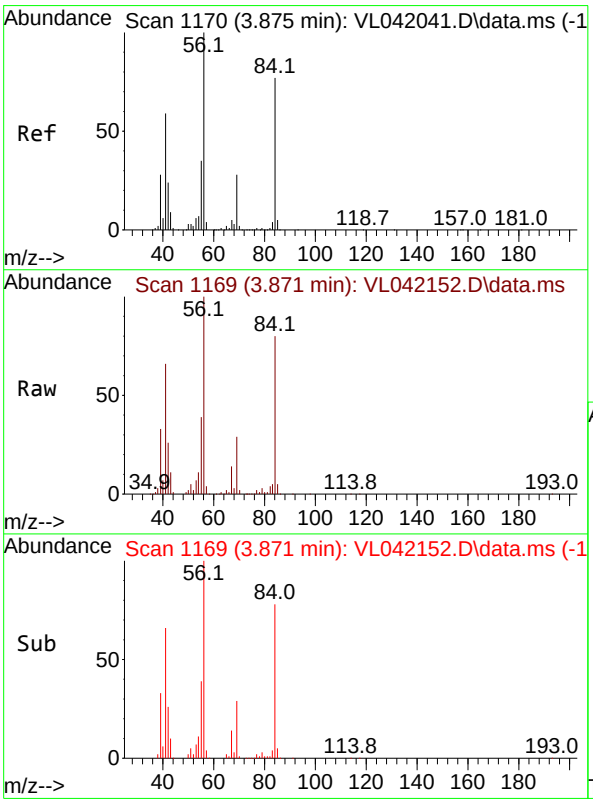
#29
Chloroform
Concen: 8.627 ppbv
RT: 2.861 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 83 Resp: 279316

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8

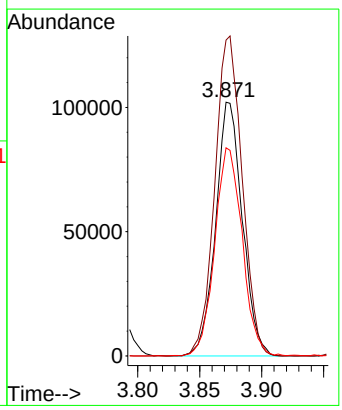


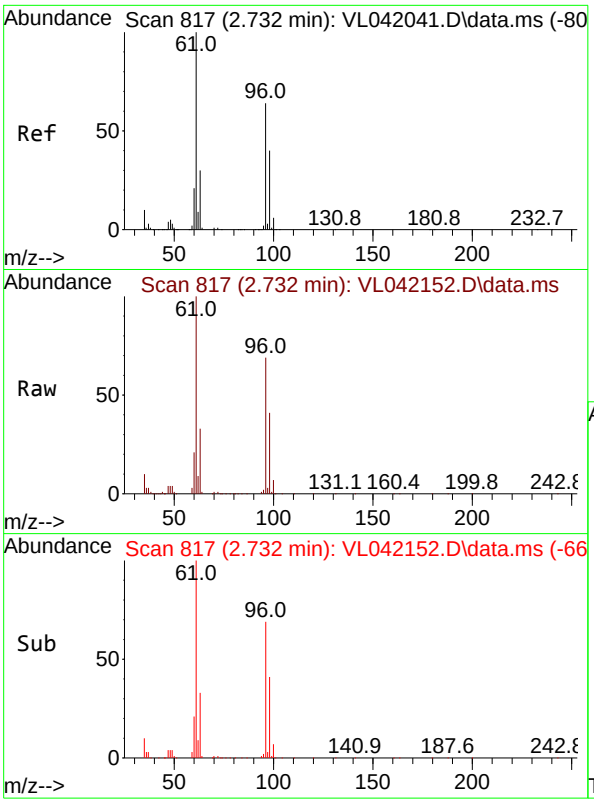


#30
Cyclohexane
Concen: 7.854 ppbv
RT: 3.871 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 84 Resp: 153350

Ion	Ratio	Lower	Upper
84	100		
56	129.1	101.5	152.3
41	84.8	62.6	93.8



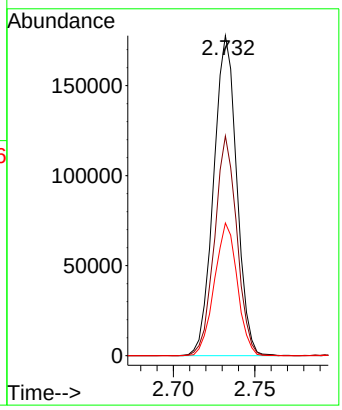


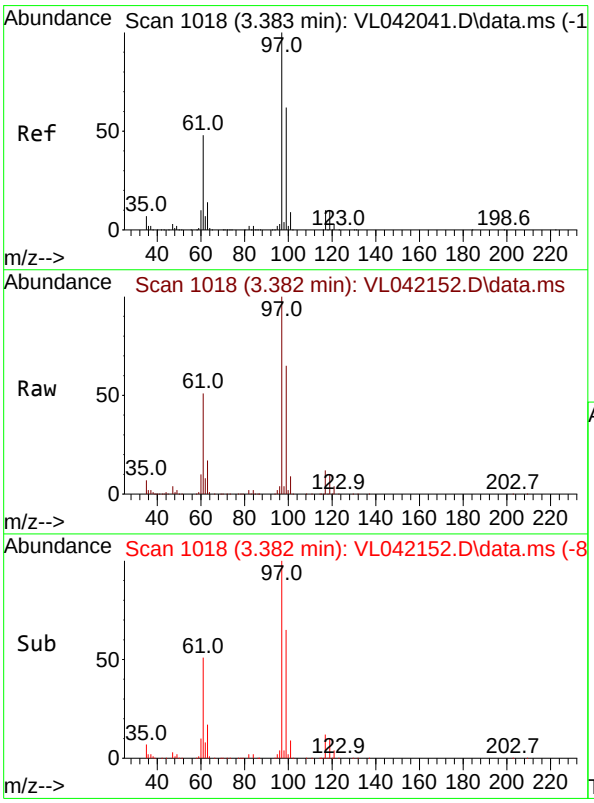
#31
cis-1,2-Dichloroethene
Concen: 7.685 ppbv
RT: 2.732 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 61 Resp: 175002

Ion	Ratio	Lower	Upper
61	100		
96	68.6	51.5	77.3
98	41.5	32.0	48.0

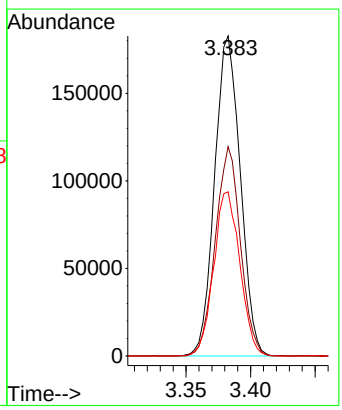


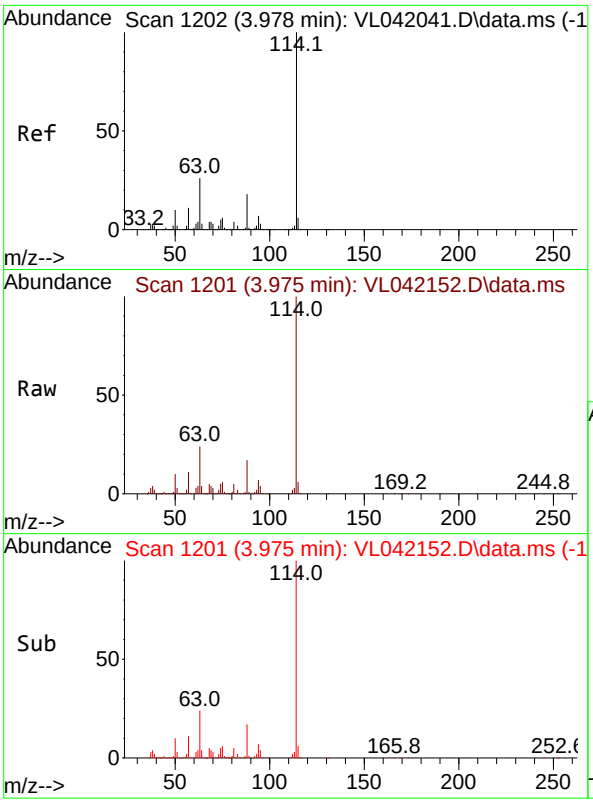


#32
1,1,1-Trichloroethane
Concen: 8.044 ppbv
RT: 3.382 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 97 Resp: 252623

Ion	Ratio	Lower	Upper
97	100		
99	63.8	49.8	74.6
61	52.4	38.9	58.3



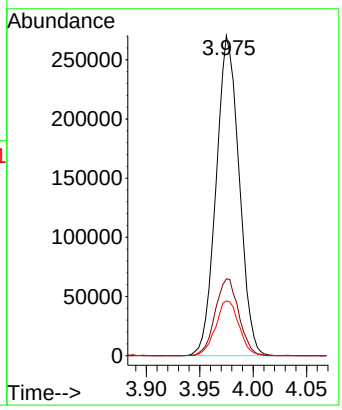


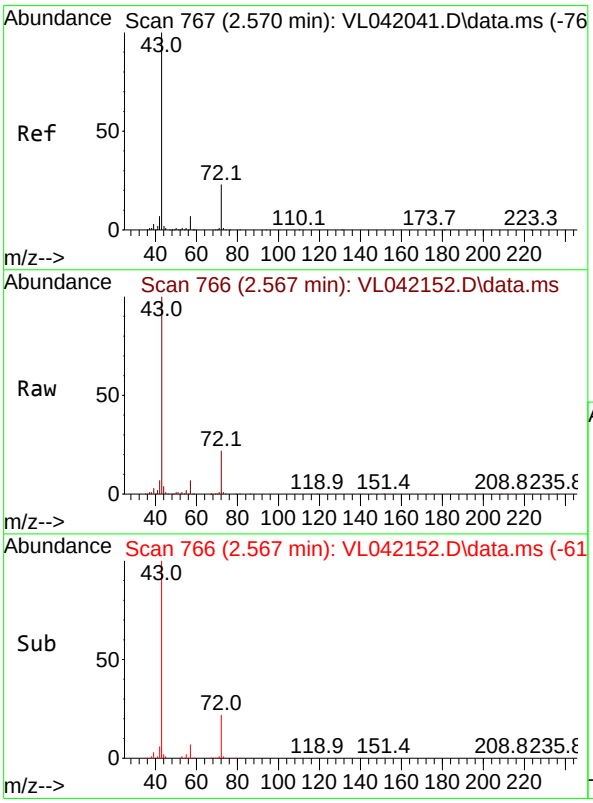
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:114 Resp: 405507

Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.1	30.1
88	17.4	14.3	21.5

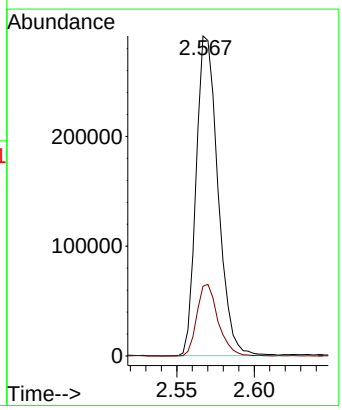


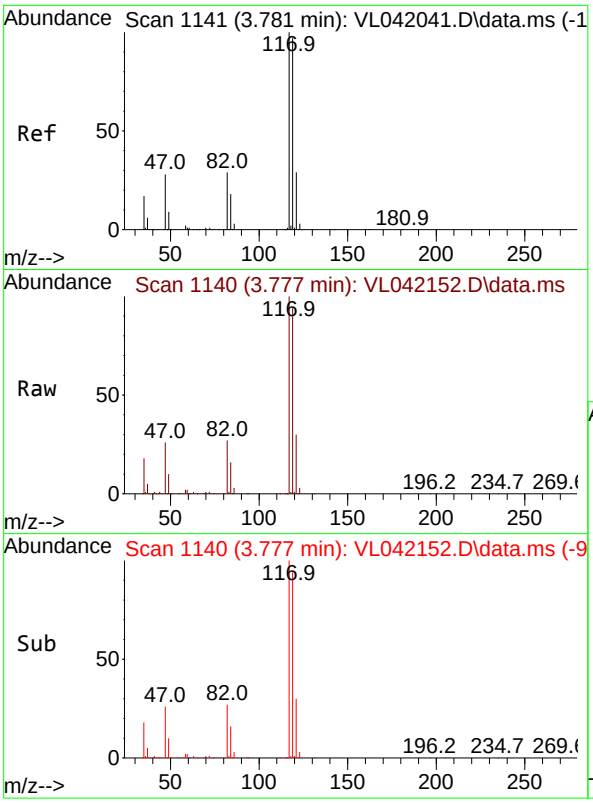


#34
2-Butanone
Concen: 9.036 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 285475

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7



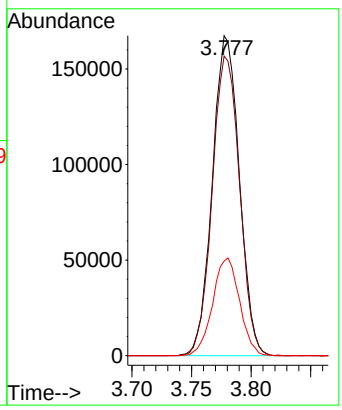


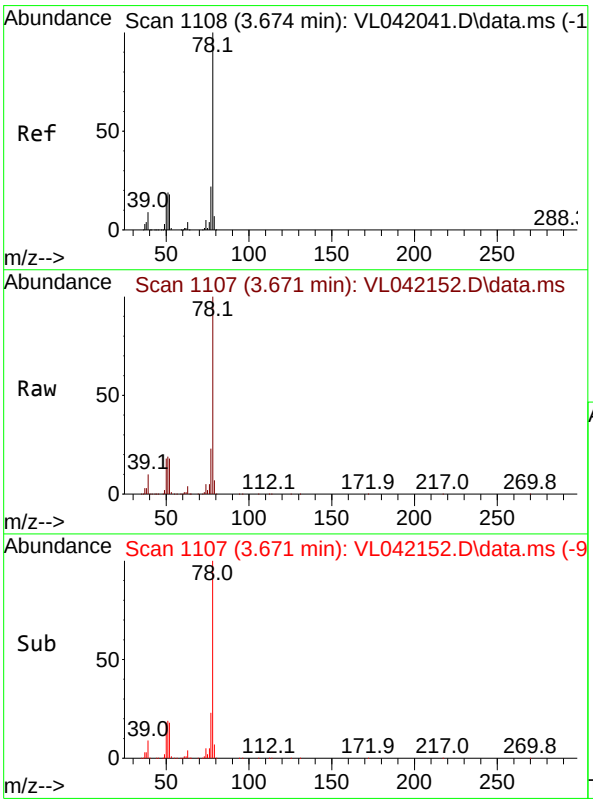
#35
Carbon Tetrachloride
Concen: 9.416 ppbv
RT: 3.777 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:117 Resp: 263308

Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.8	116.8
121	29.6	23.4	35.0

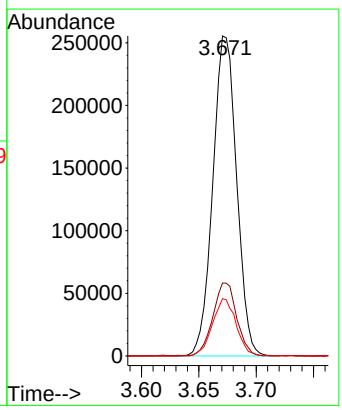


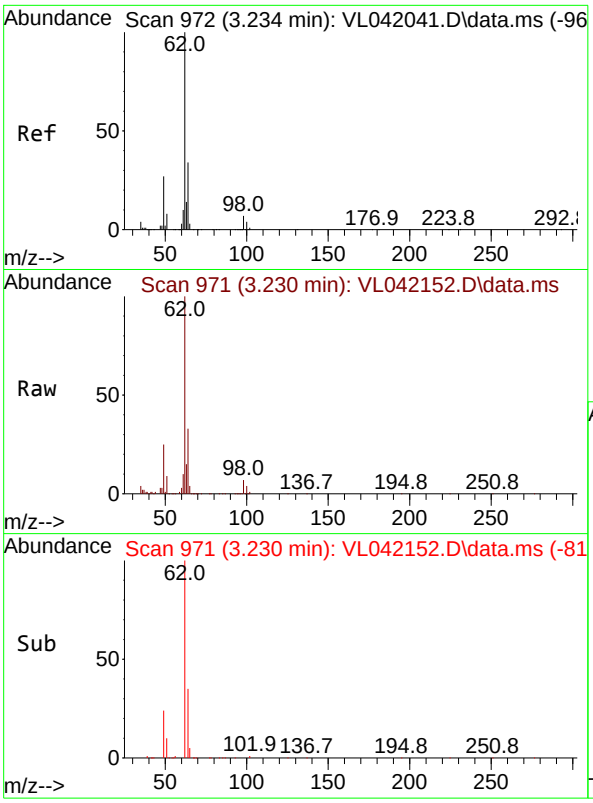


#36
Benzene
Concen: 8.687 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 78 Resp: 368780

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	17.9	13.9	20.9



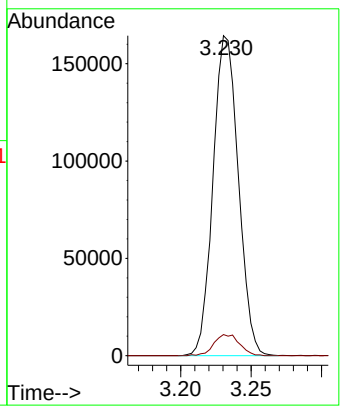


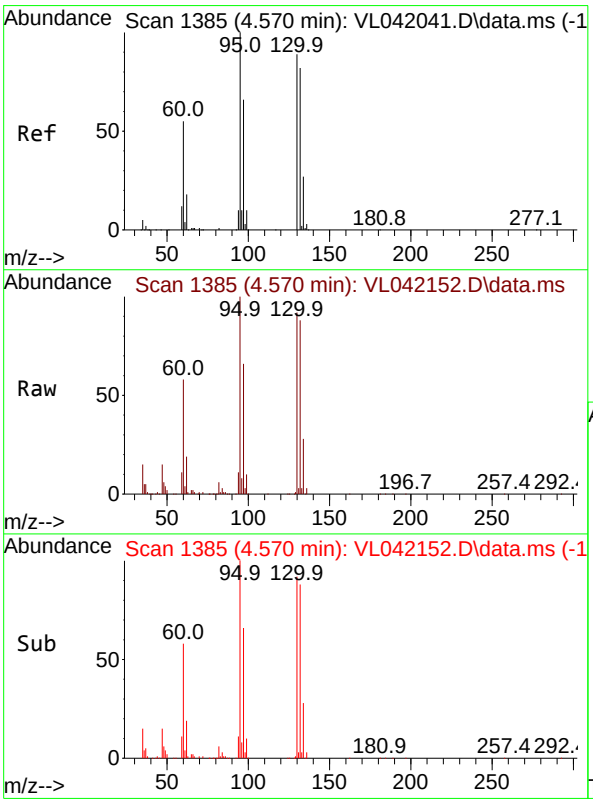
#37
1,2-Dichloroethane
Concen: 8.744 ppbv
RT: 3.230 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 62 Resp: 205805

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.7	8.5

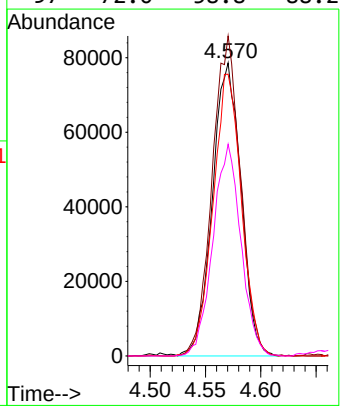


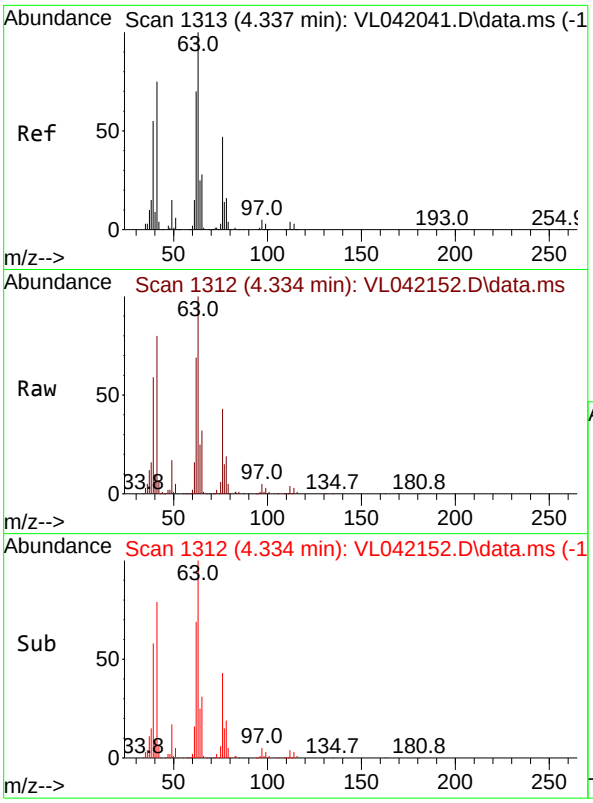


#38
Trichloroethene
Concen: 8.140 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:130 Resp: 141107

Ion	Ratio	Lower	Upper
130	100		
95	109.1	89.5	134.3
132	96.1	73.8	110.6
97	72.0	58.8	88.2



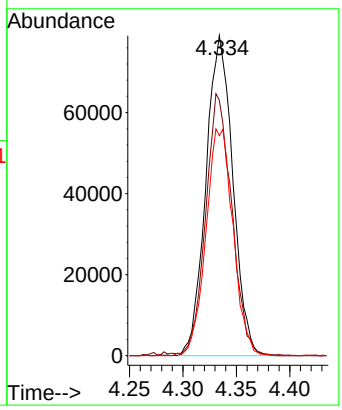


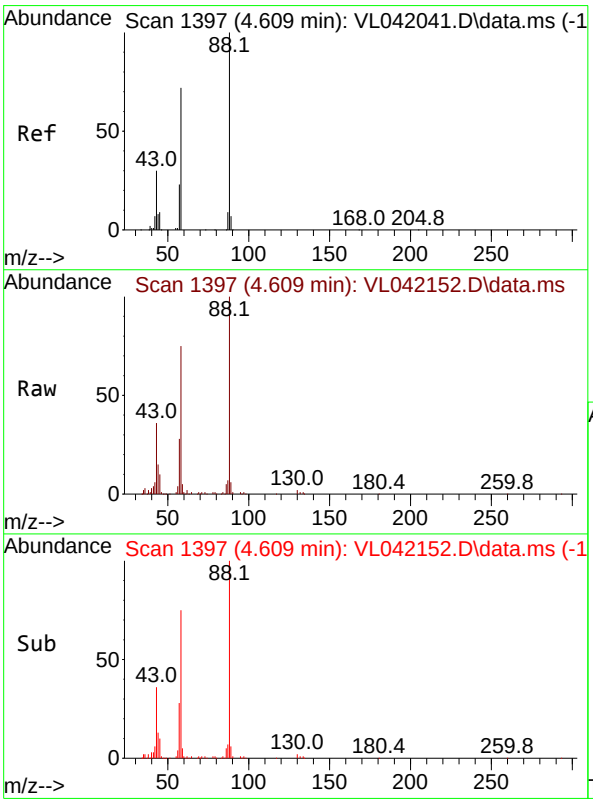
#39
1,2-Dichloropropane
Concen: 8.583 ppbv
RT: 4.334 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 63 Resp: 138287

Ion	Ratio	Lower	Upper
63	100		
41	79.5	60.1	90.1
62	68.8	55.8	83.8

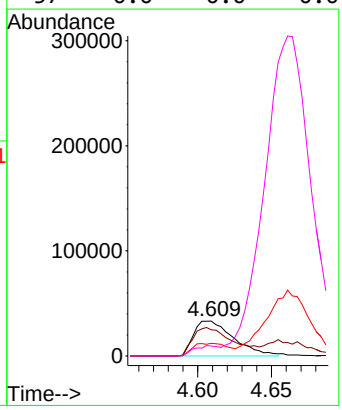


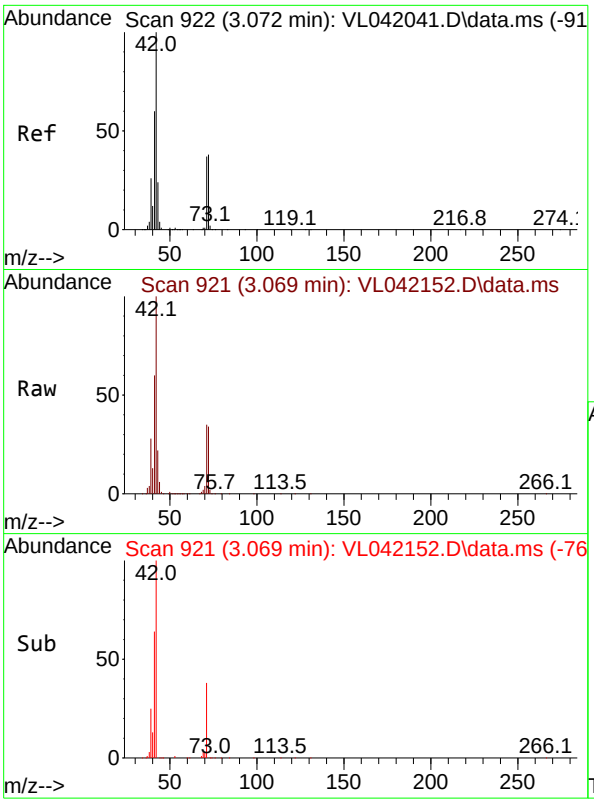


#40
1,4-Dioxane
Concen: 8.528 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 88 Resp: 62727

Ion	Ratio	Lower	Upper
88	100		
58	80.2	62.6	94.0
43	35.9	0.0	0.0#
57	0.0	0.0	0.0



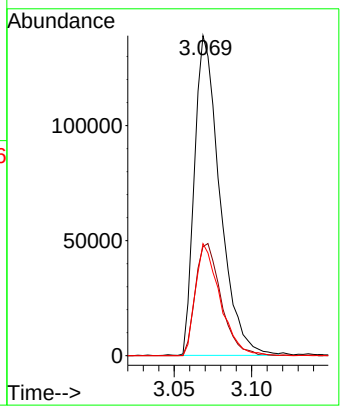


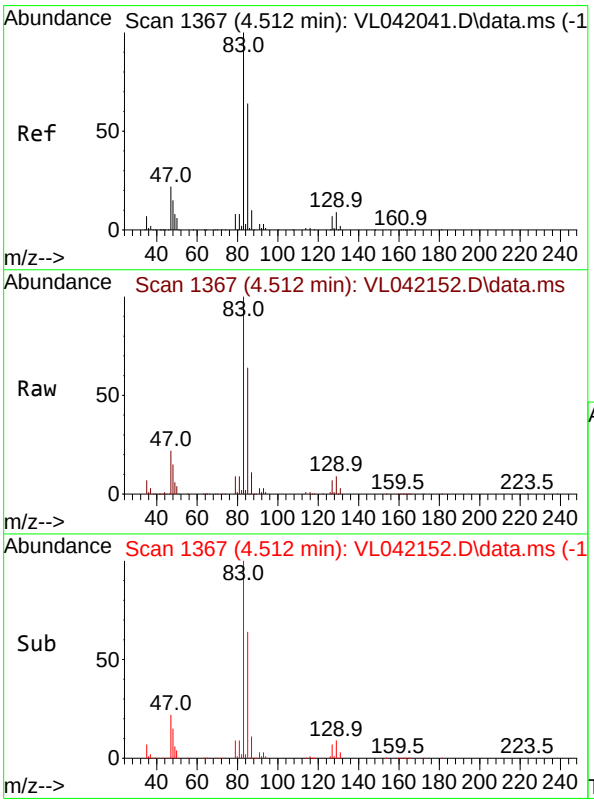
#41
Tetrahydrofuran
Concen: 8.504 ppbv
RT: 3.069 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 42 Resp: 158737

Ion	Ratio	Lower	Upper
42	100		
72	35.5	30.2	45.2
71	34.1	28.2	42.4

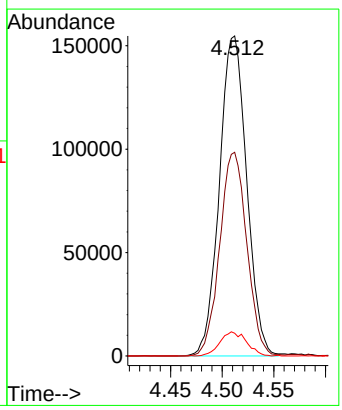


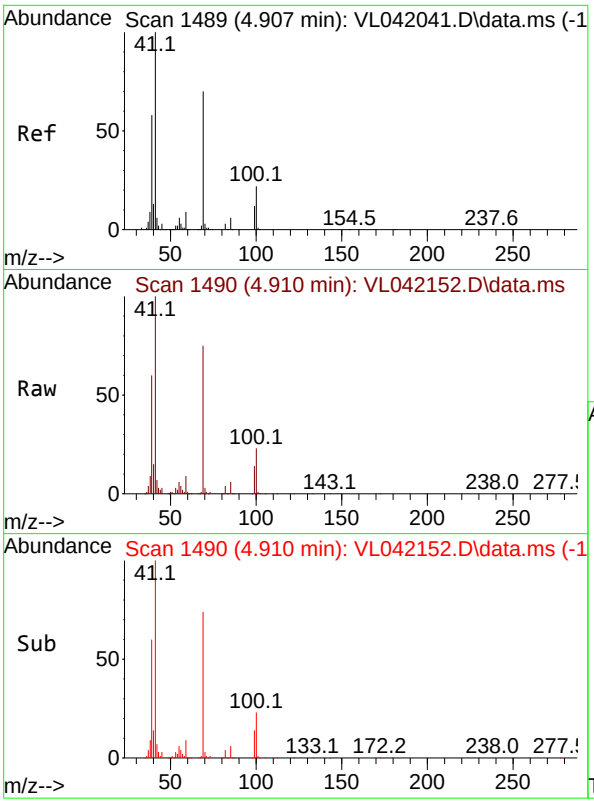


#42
Bromodichloromethane
Concen: 8.966 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 83 Resp: 284311

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2
127	7.1	5.8	8.6



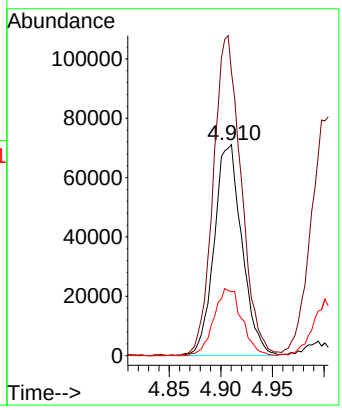


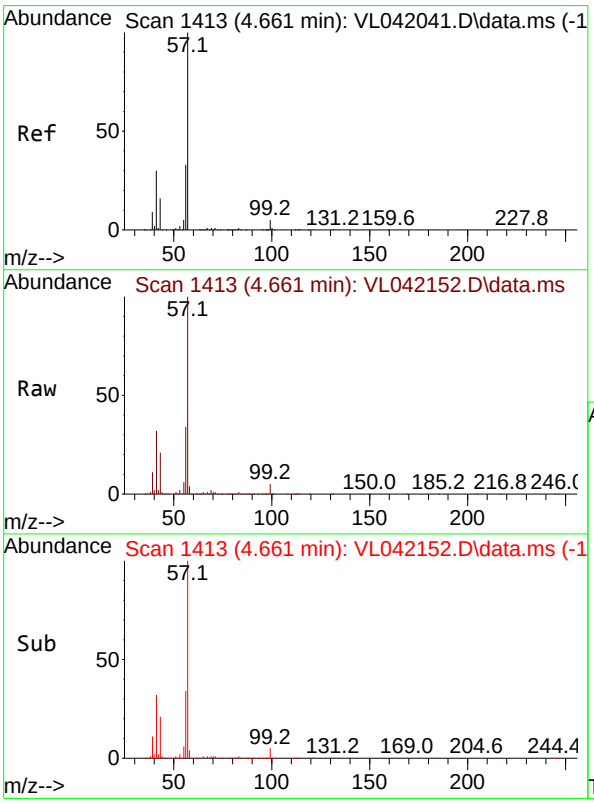
#43
Methyl Methacrylate
Concen: 8.013 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 69 Resp: 132841

Ion	Ratio	Lower	Upper
69	100		
41	152.1	118.2	177.4
100	32.5	27.0	40.4

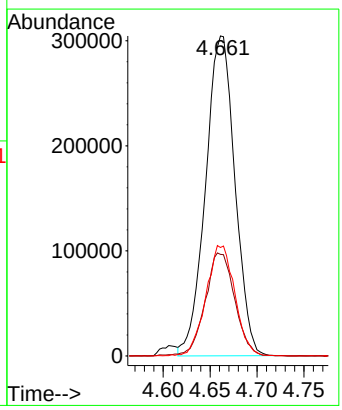


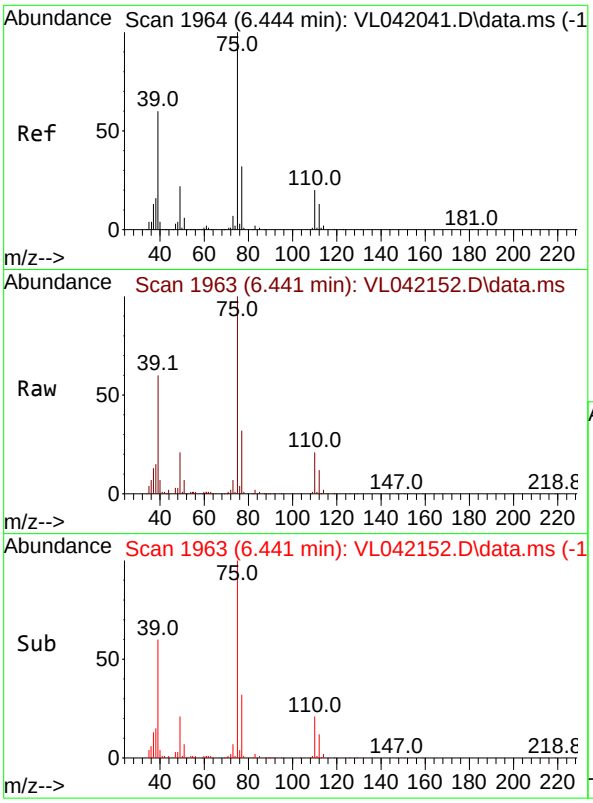


#44
2,2,4-Trimethylpentane
Concen: 8.845 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 57 Resp: 662648

Ion	Ratio	Lower	Upper
57	100		
41	32.6	24.4	36.6
56	34.0	26.5	39.7



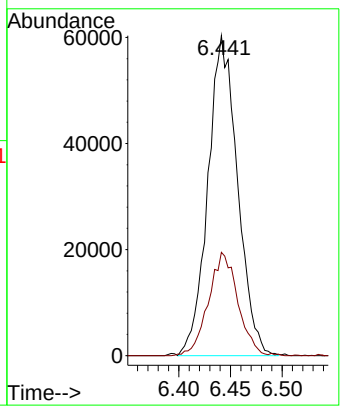


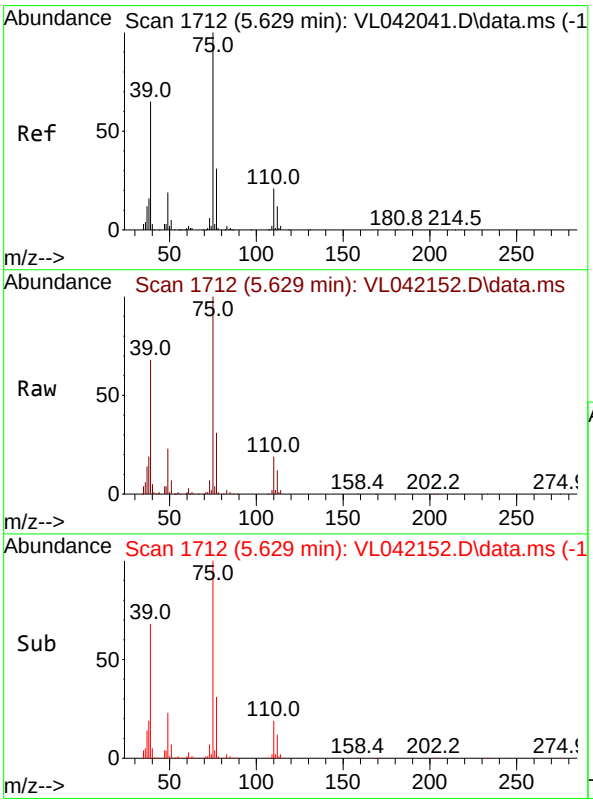
#45
t-1,3-Dichloropropene
Concen: 7.308 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 75 Resp: 120373

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.9	38.9

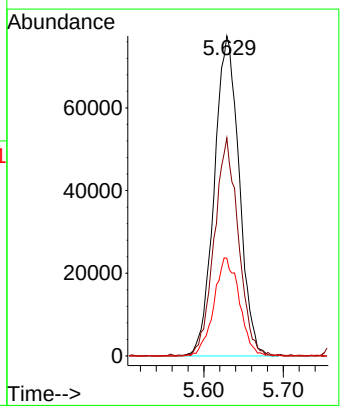


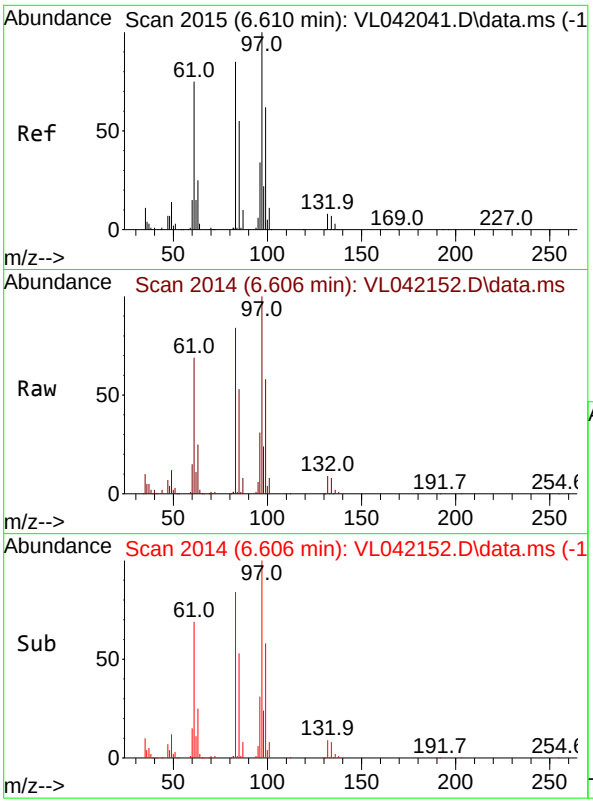


#46
cis-1,3-Dichloropropene
Concen: 7.885 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 75 Resp: 168060

Ion	Ratio	Lower	Upper
75	100		
39	67.8	51.9	77.9
77	30.5	24.9	37.3



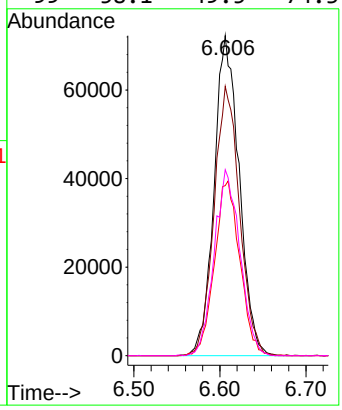


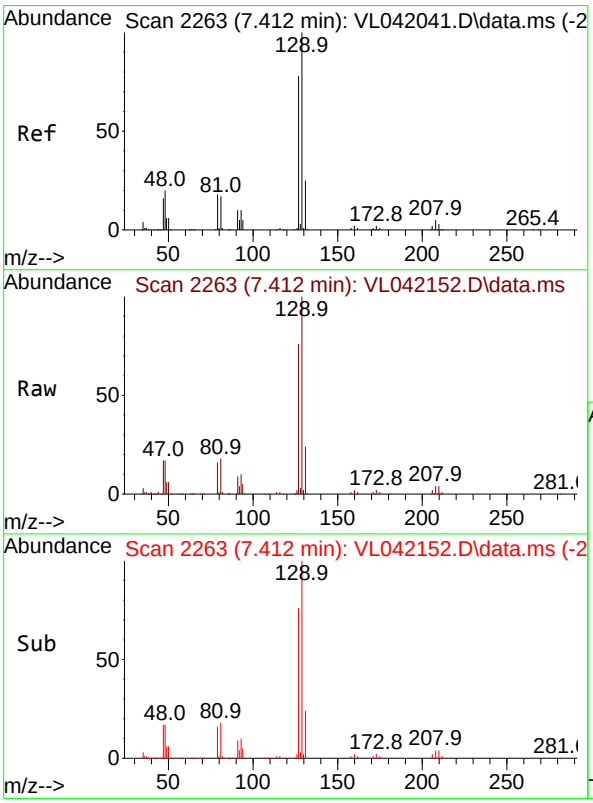
#47
1,1,2-Trichloroethane
Concen: 8.915 ppbv
RT: 6.606 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 97 Resp: 145834

Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.1	102.1
85	53.2	44.0	66.0
99	58.1	49.5	74.3

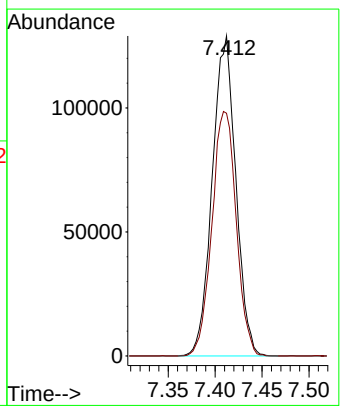


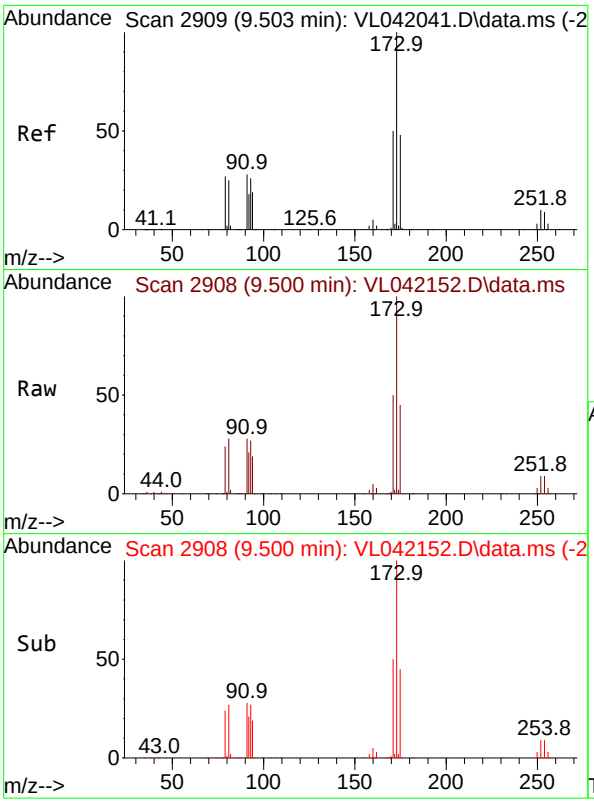


#48
Dibromochloromethane
Concen: 8.777 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:129 Resp: 224861

Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.6	115.8



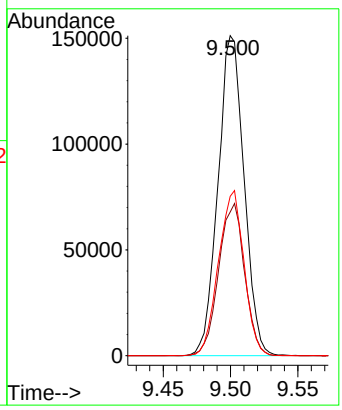


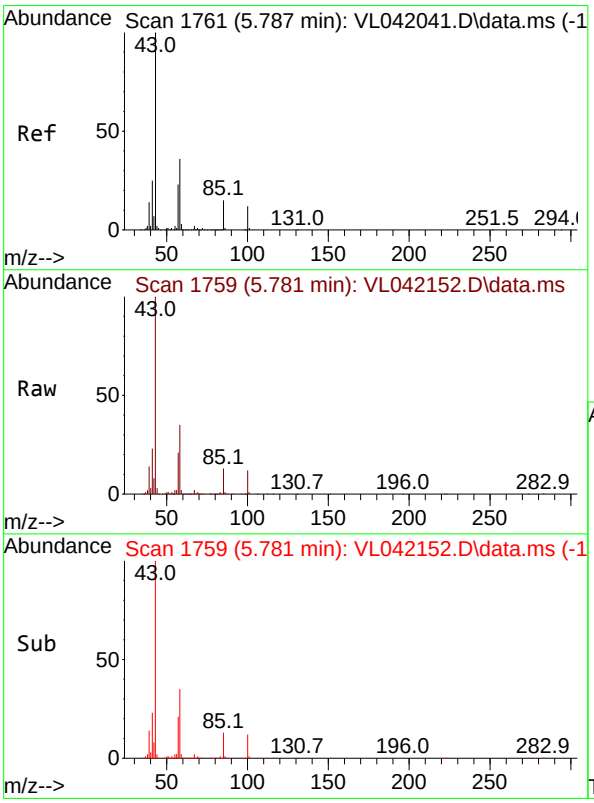
#49
Bromoform
Concen: 9.150 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:173 Resp: 203574

Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.3	57.5
171	50.6	40.2	60.2

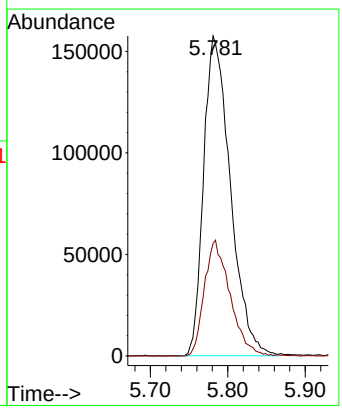


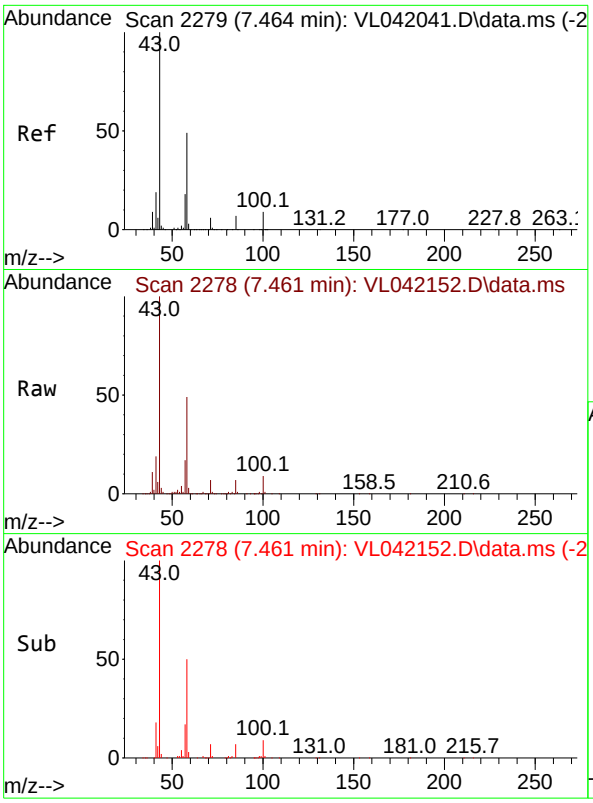


#50
4-Methyl-2-Pentanone
Concen: 9.252 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. -0.007 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 43 Resp: 378000

Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.3	43.9



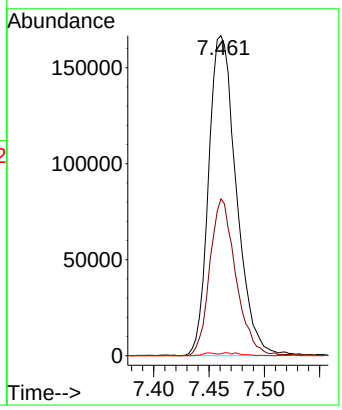


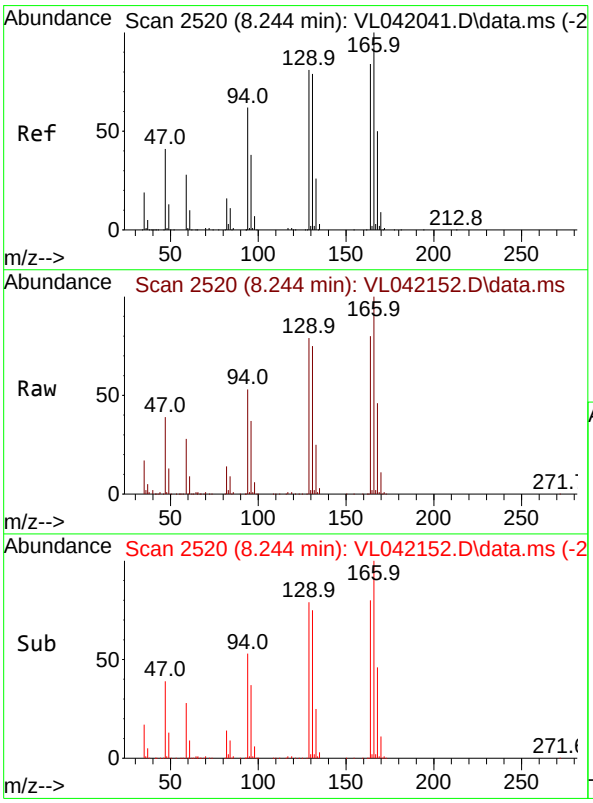
#51
2-Hexanone
Concen: 10.306 ppbv
RT: 7.461 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 43 Resp: 289813

Ion	Ratio	Lower	Upper
43	100		
58	46.3	39.0	58.6
98	1.1	0.1	0.1#

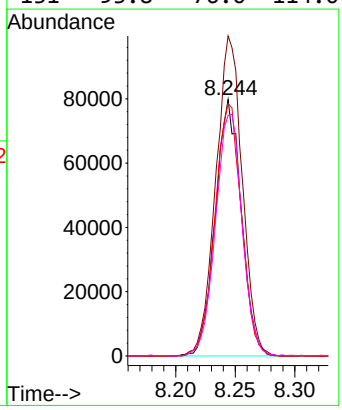


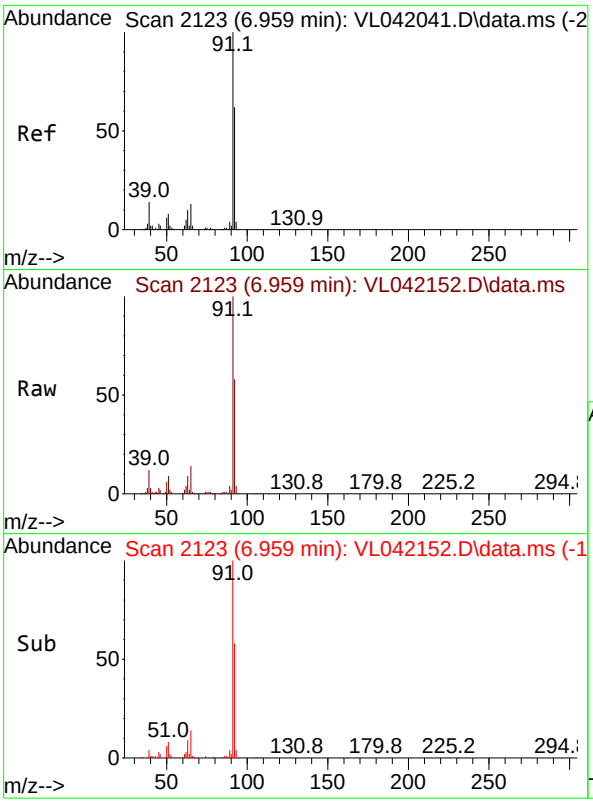


#52
Tetrachloroethene
Concen: 8.341 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:164 Resp: 121217

Ion	Ratio	Lower	Upper
164	100		
166	124.7	95.7	143.5
129	98.4	77.1	115.7
131	93.8	76.0	114.0



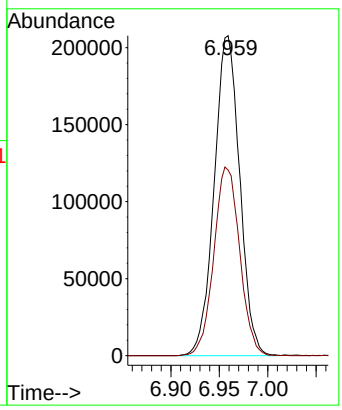


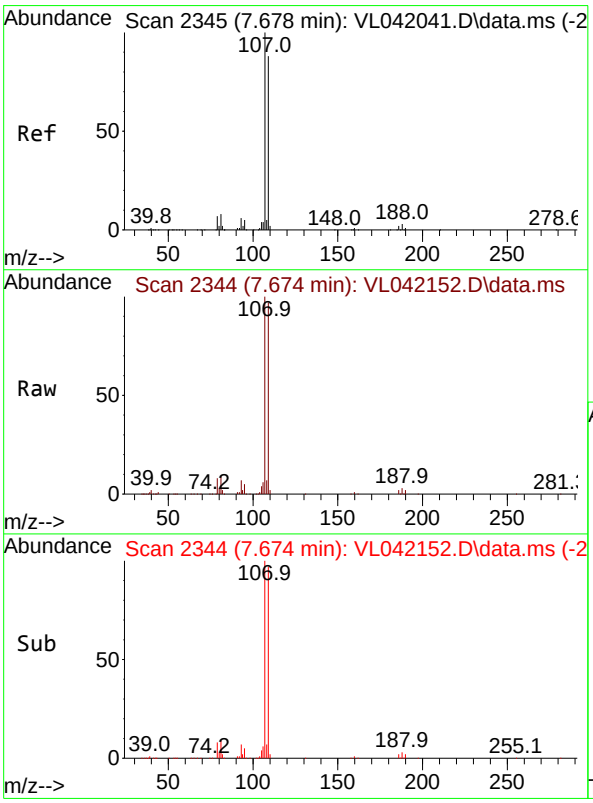
#53
Toluene
Concen: 8.019 ppbv
RT: 6.959 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 91 Resp: 380447

Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.0	73.6

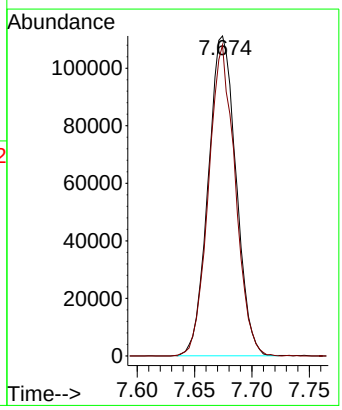


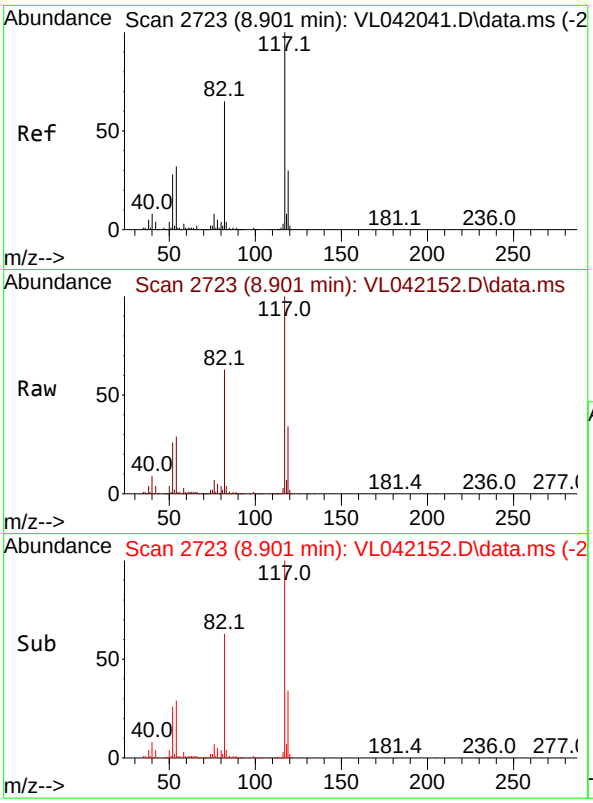


#54
1,2-Dibromoethane
Concen: 8.477 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:107 Resp: 187462

Ion	Ratio	Lower	Upper
107	100		
109	97.2	70.2	105.4



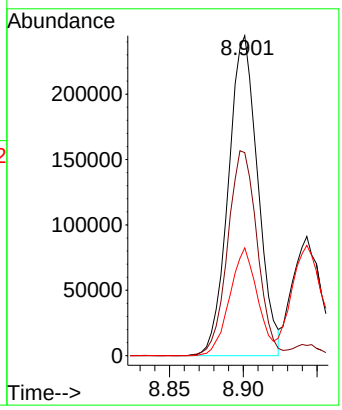


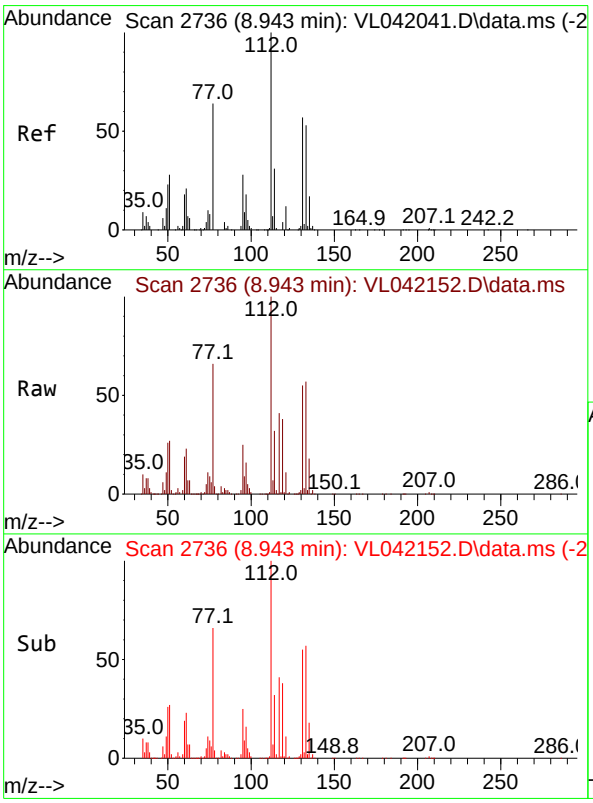
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:117 Resp: 339099

Ion	Ratio	Lower	Upper
117	100		
82	67.6	55.0	82.6
119	31.3	25.9	38.9

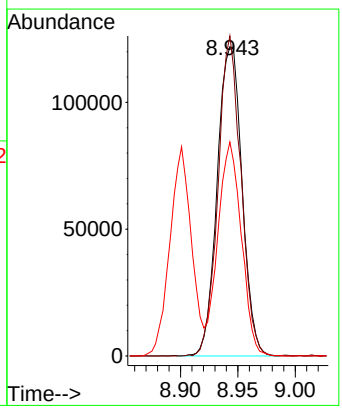


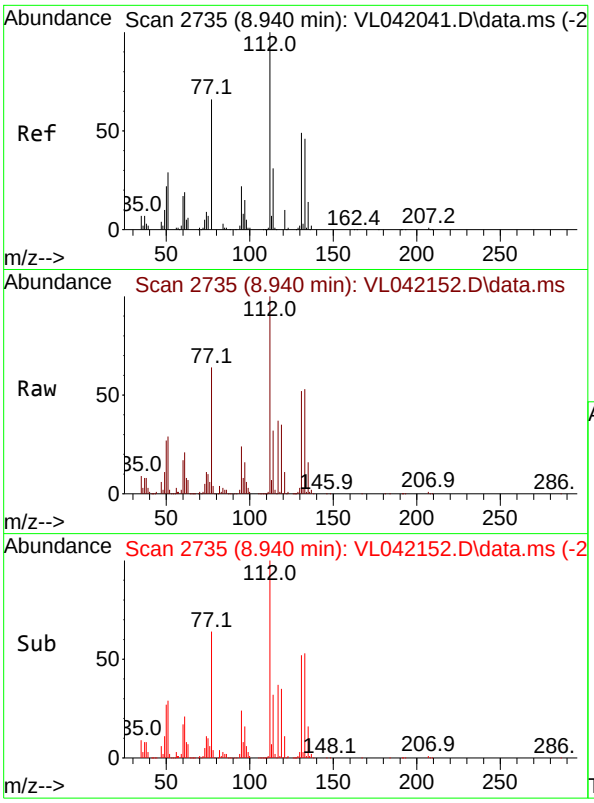


#56
1,1,1,2-Tetrachloroethane
Concen: 9.593 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:131 Resp: 183855

Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.8	113.8
119	65.4	52.1	78.1



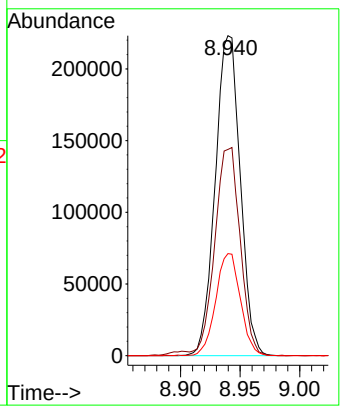


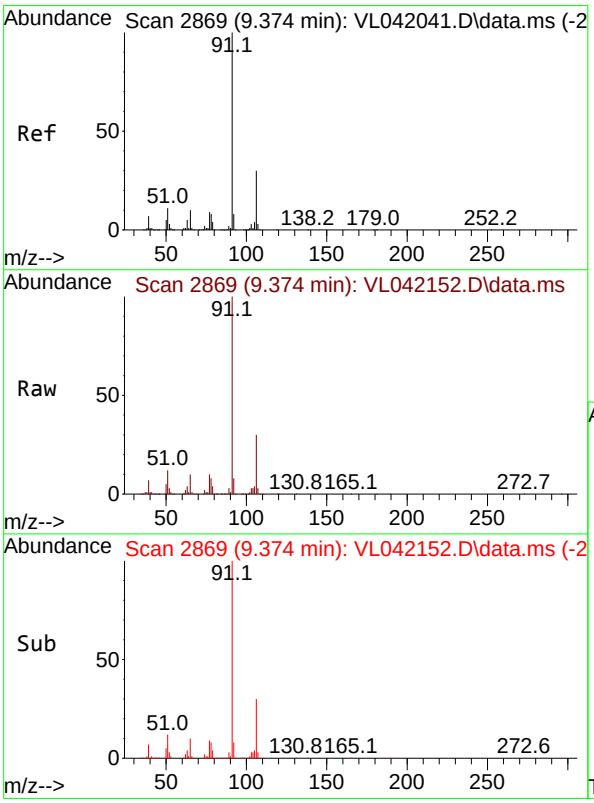
#57
Chlorobenzene
Concen: 9.267 ppbv
RT: 8.940 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:112 Resp: 325825

Ion	Ratio	Lower	Upper
112	100		
77	64.4	53.4	80.2
114	31.9	28.3	34.5

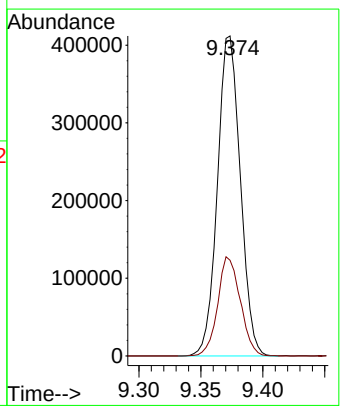


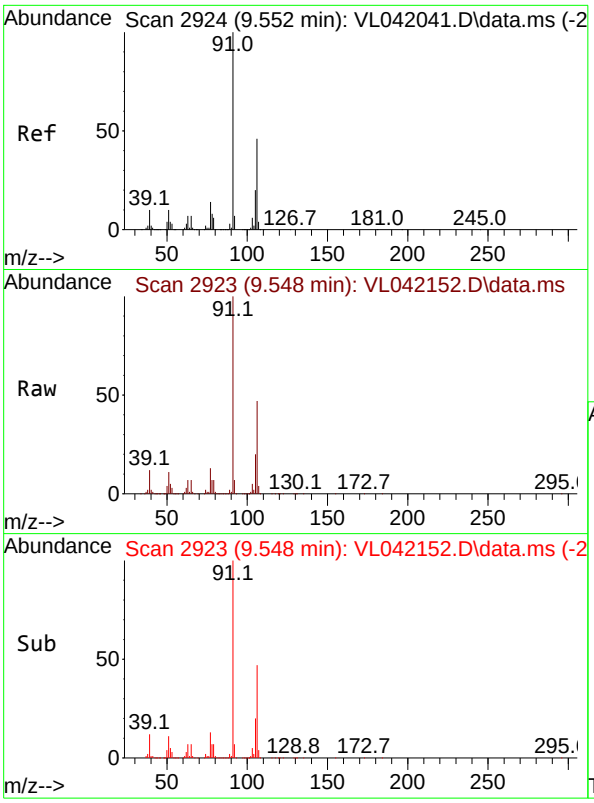


#58
Ethyl Benzene
Concen: 8.496 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 530577

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2



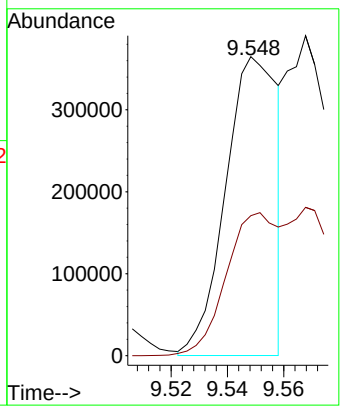


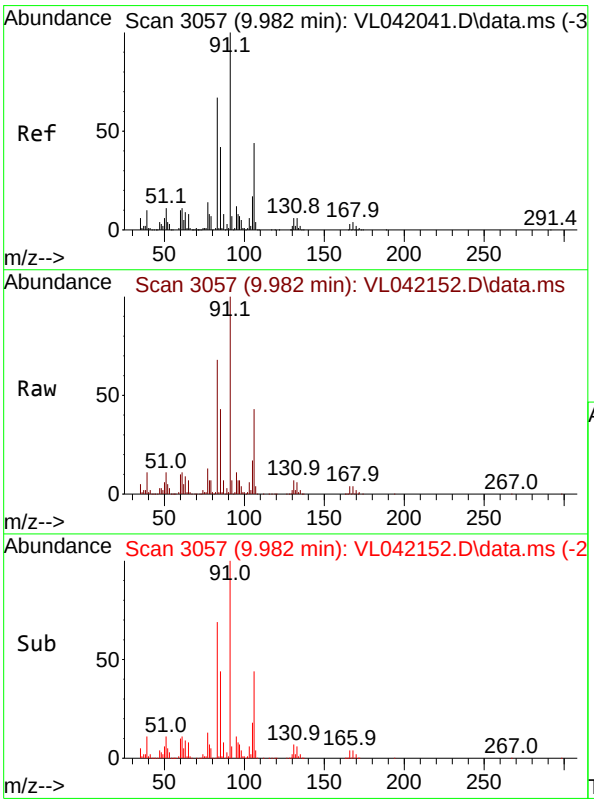
#59
m/p-Xylene
Concen: 9.349 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 91 Resp: 464619

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

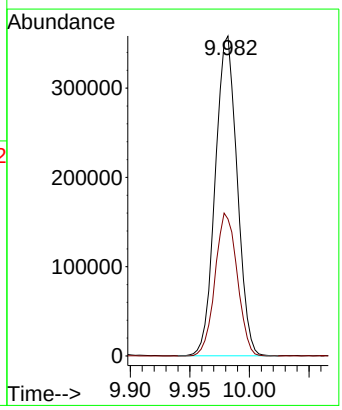


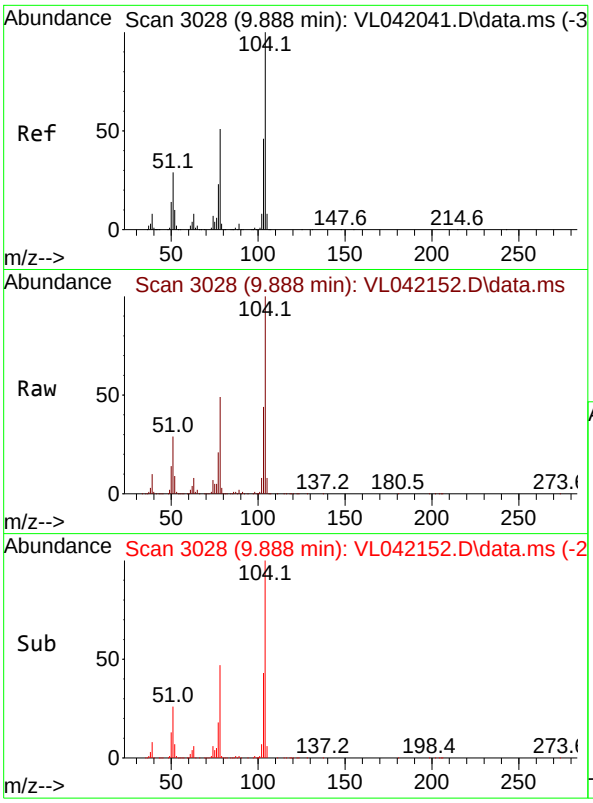


#60
o-Xylene
Concen: 9.148 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 457063

Ion	Ratio	Lower	Upper
91	100		
106	45.3	22.3	66.8



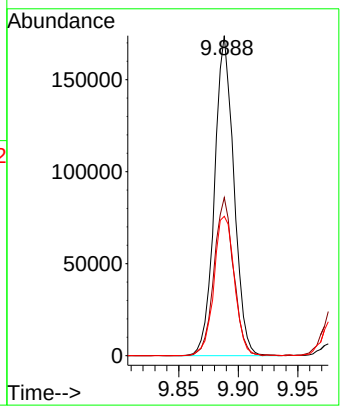


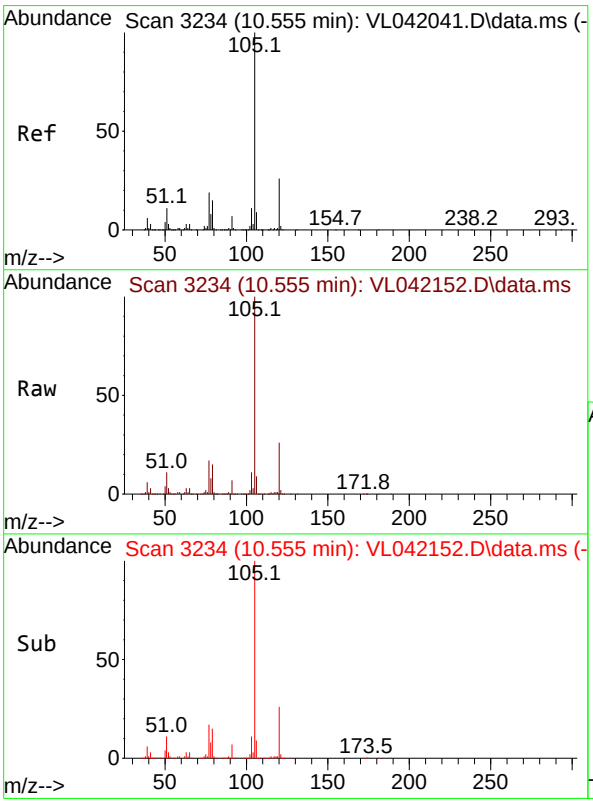
#61
Styrene
Concen: 8.334 ppbv
RT: 9.888 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:104 Resp: 195754

Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.0	61.4
103	46.5	37.0	55.6

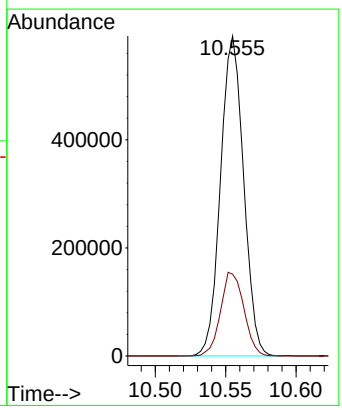


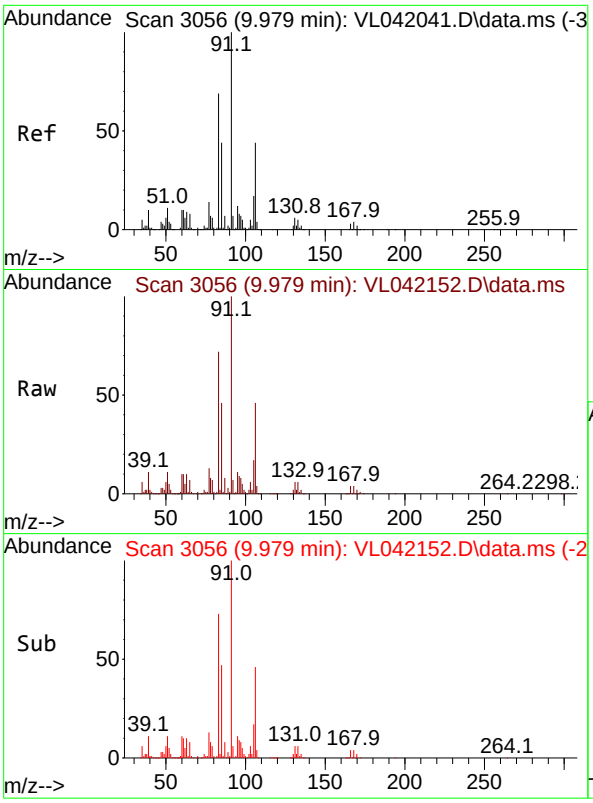


#62
Isopropylbenzene
Concen: 9.020 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 674921

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.7	31.1



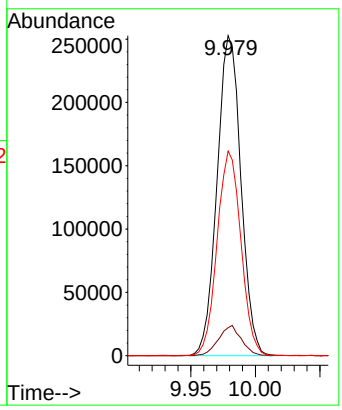


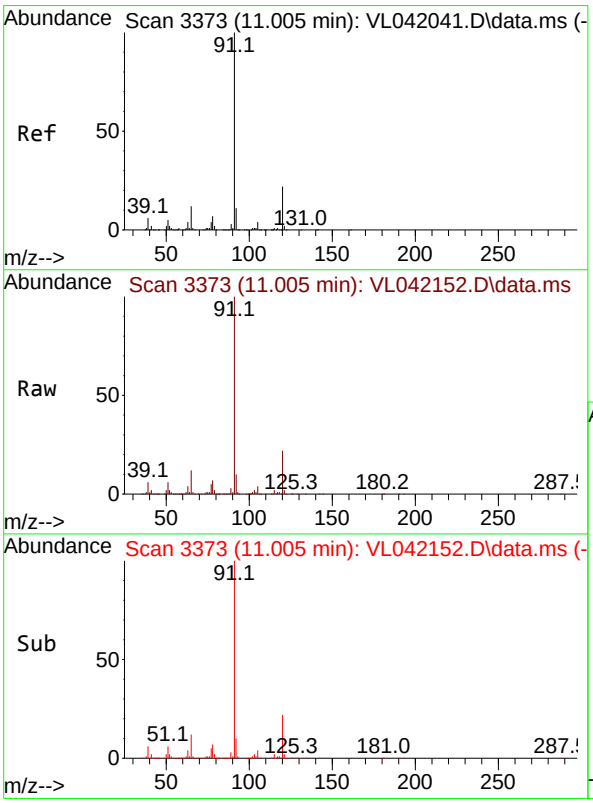
#63
1,1,2,2-Tetrachloroethane
Concen: 9.864 ppbv
RT: 9.979 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 83 Resp: 324554

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	63.7	32.1	96.3

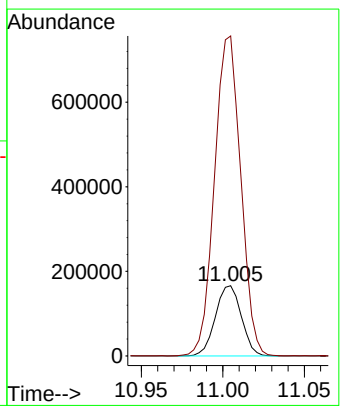


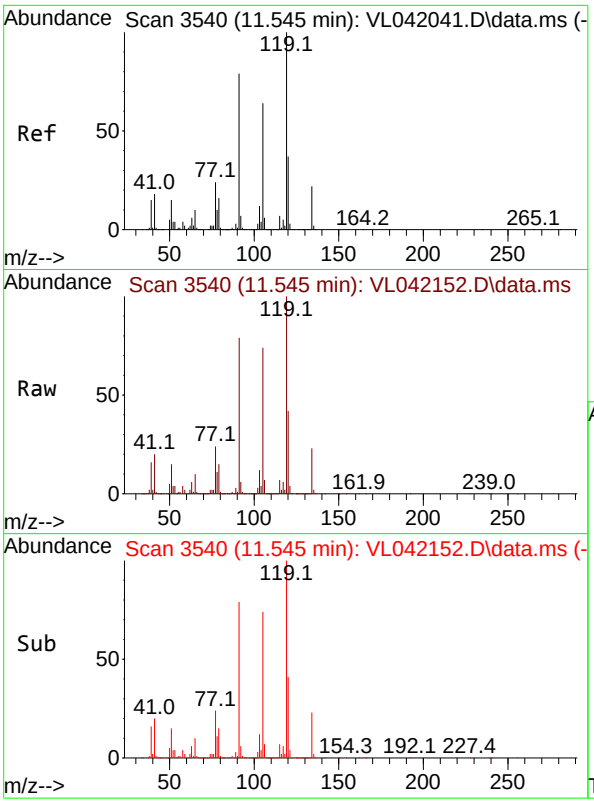


#64
n-propylbenzene
Concen: 9.363 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:120 Resp: 183756

Ion	Ratio	Lower	Upper
120	100		
91	462.1	370.6	556.0



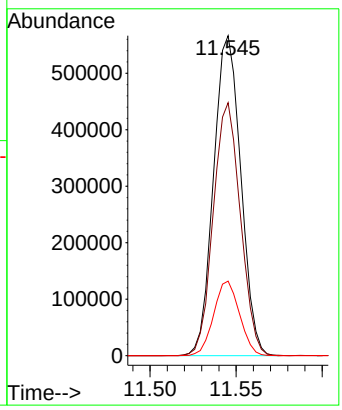


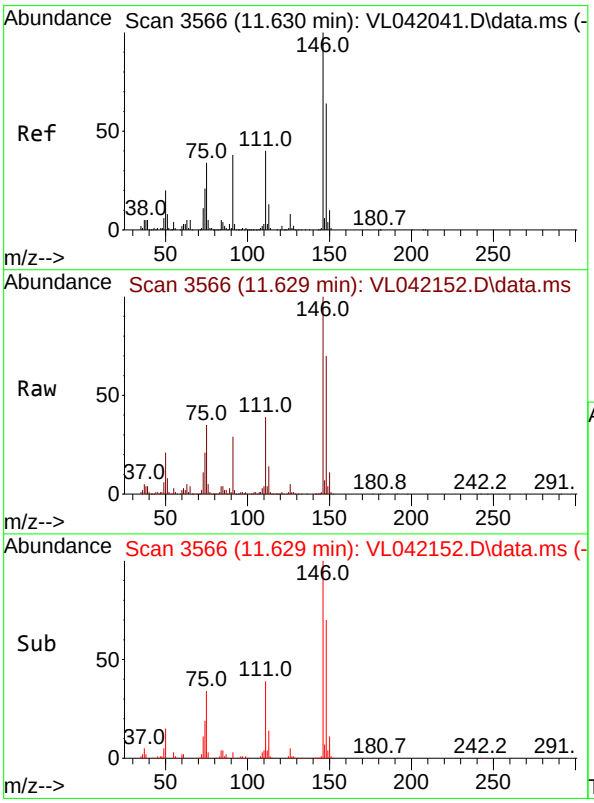
#65
tert-Butylbenzene
Concen: 9.165 ppbv
RT: 11.545 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:119 Resp: 624075

Ion	Ratio	Lower	Upper
119	100		
91	78.6	64.2	96.2
134	22.2	17.4	26.2

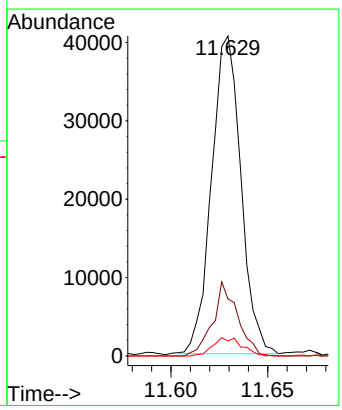


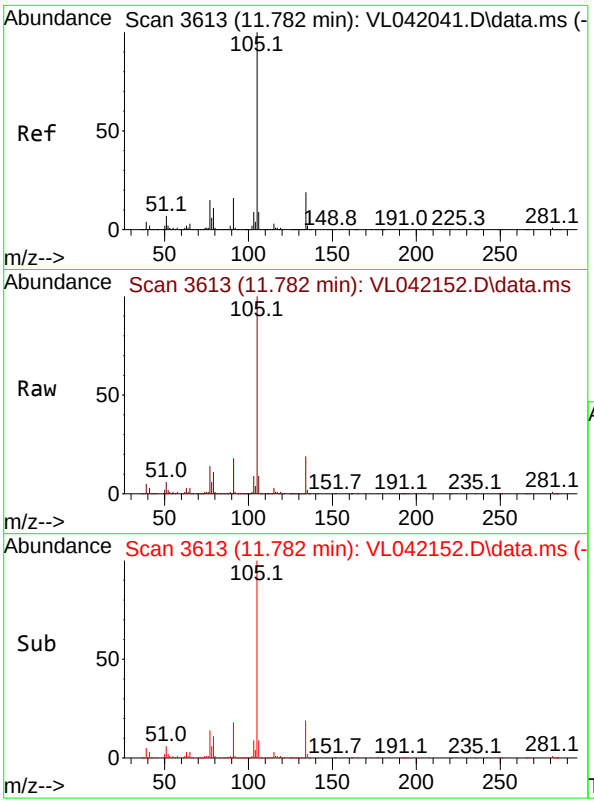


#66
Benzyl Chloride
Concen: 8.233 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 42782

Ion	Ratio	Lower	Upper
91	100		
126	19.6	14.5	21.7
128	5.7	5.4	8.2



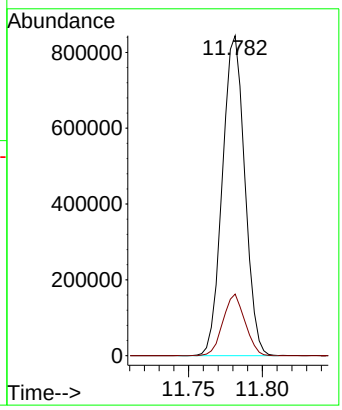


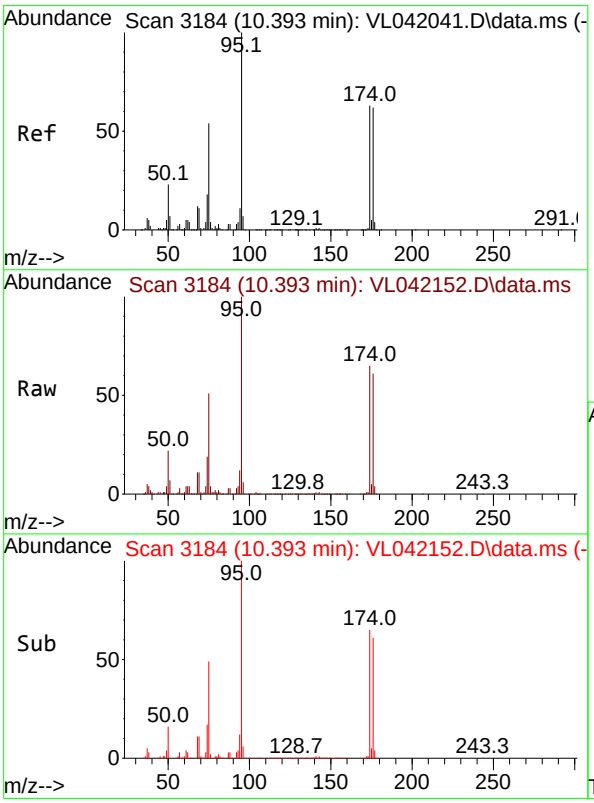
#67
sec-Butylbenzene
Concen: 9.153 ppbv
RT: 11.782 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:105 Resp: 891362

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.9	22.3

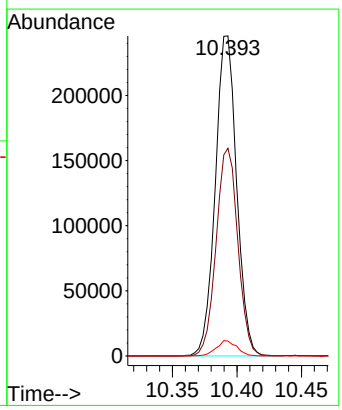


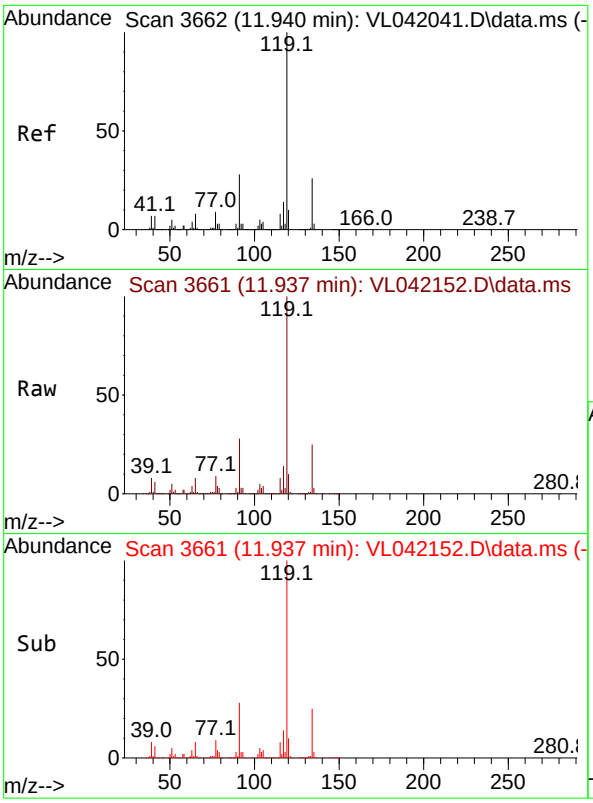


#68
1-Bromo-4-Fluorobenzene
Concen: 10.844 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 95 Resp: 282890

Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.8	77.6
175	4.6	3.9	5.9



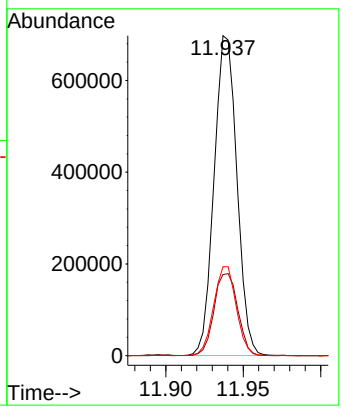


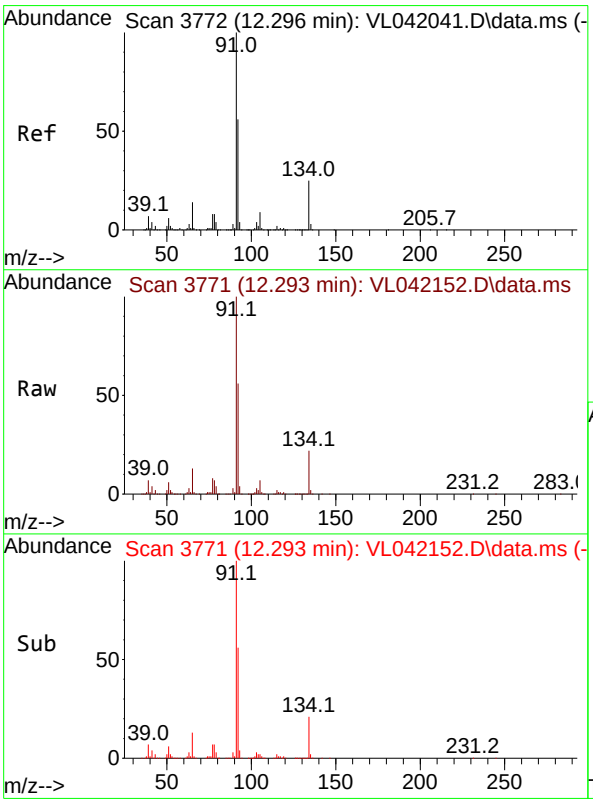
#69
p-Isopropyltoluene
Concen: 9.204 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:119 Resp: 713173

Ion	Ratio	Lower	Upper
119	100		
134	26.9	20.9	31.3
91	27.8	23.1	34.7

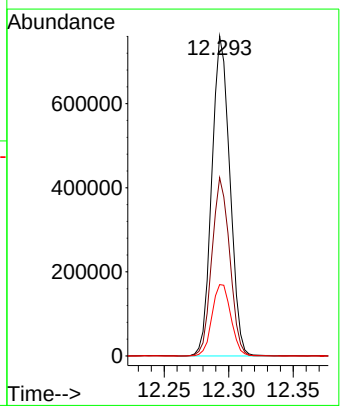


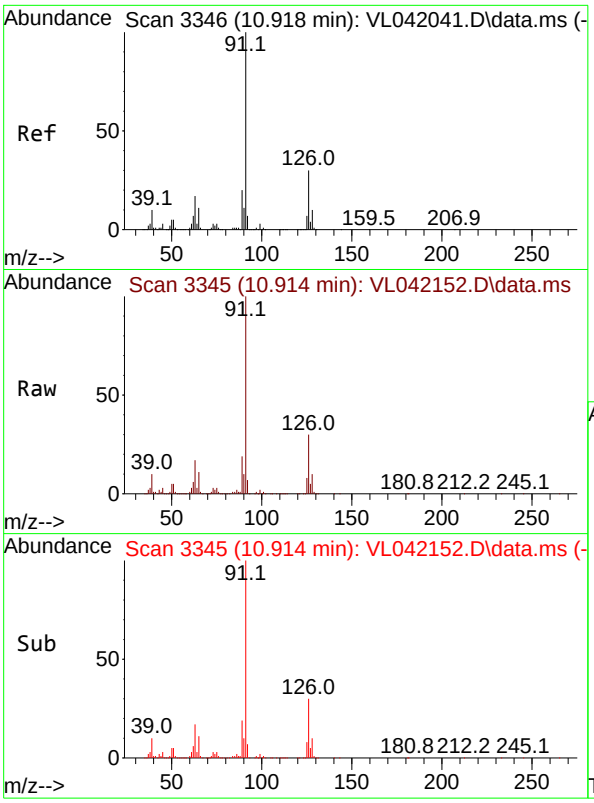


#70
n-Butylbenzene
Concen: 9.359 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion: 91 Resp: 740235

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.7	67.1
134	23.3	18.9	28.3



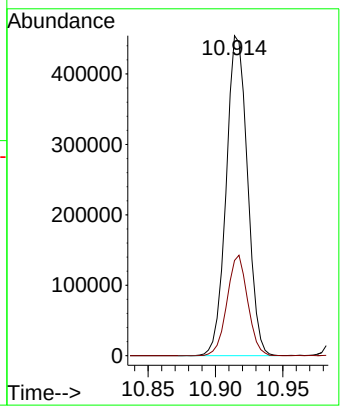


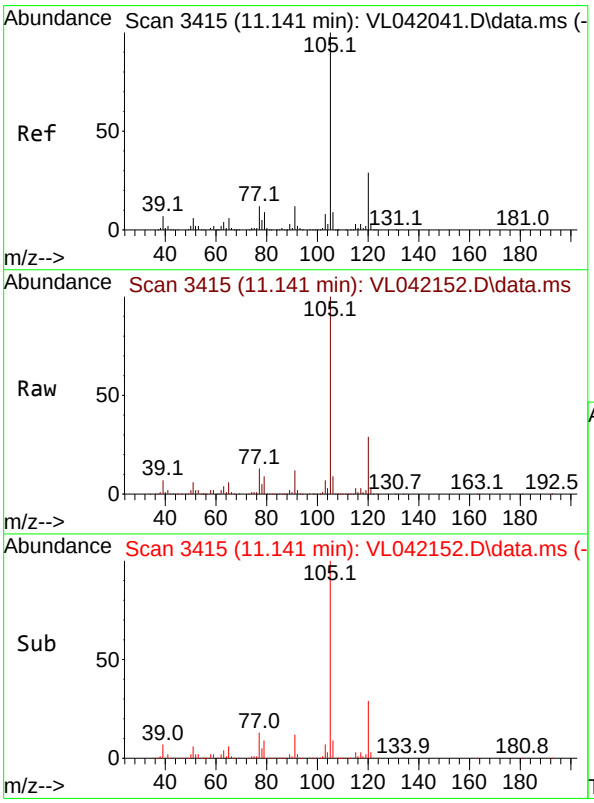
#71
2-Chlorotoluene
Concen: 8.648 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion: 91 Resp: 498827

Ion	Ratio	Lower	Upper
91	100		
126	30.5	11.9	47.5

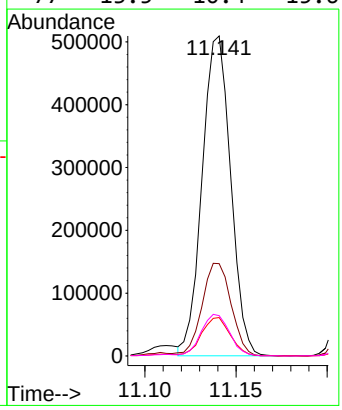


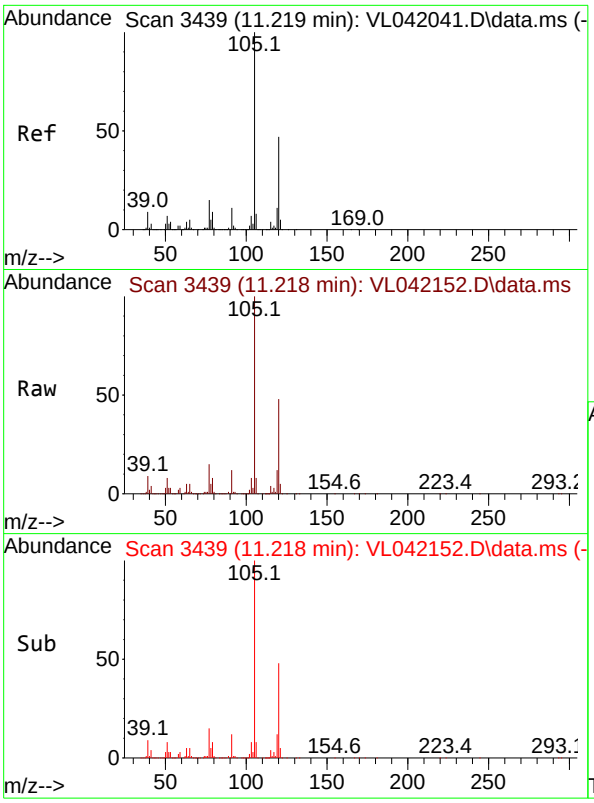


#72
4-Ethyltoluene
Concen: 9.080 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 553863

Ion	Ratio	Lower	Upper
105	100		
120	30.6	24.1	36.1
91	12.8	10.2	15.4
77	13.5	10.4	15.6



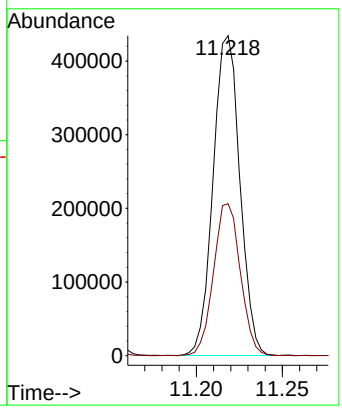


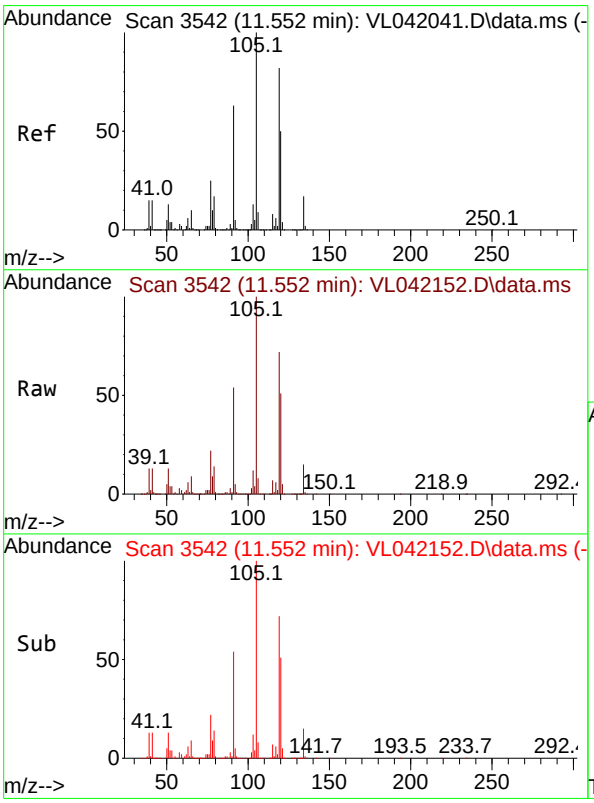
#73
1,3,5-Trimethylbenzene
Concen: 8.891 ppbv
RT: 11.218 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:105 Resp: 470478

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.4	56.0

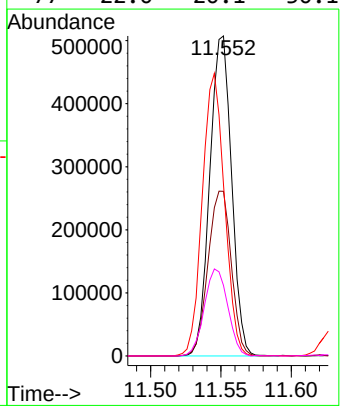


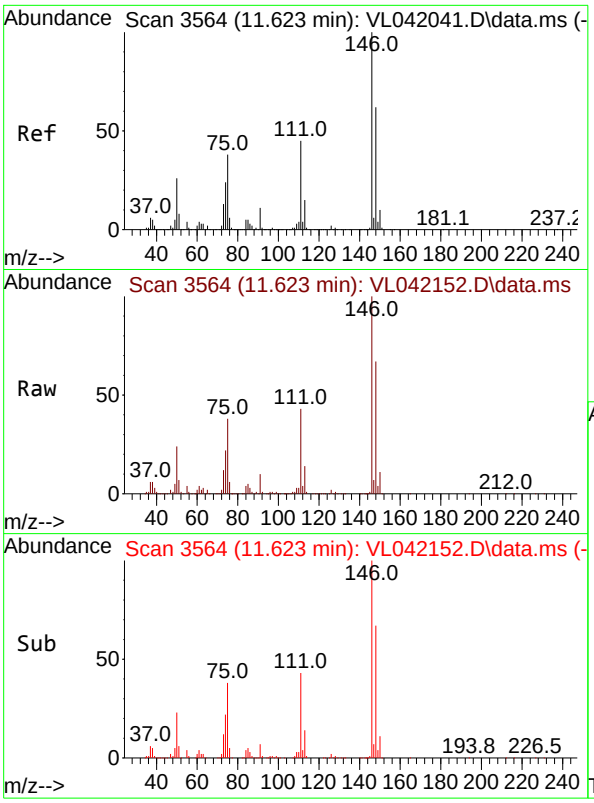


#74
1,2,4-Trimethylbenzene
Concen: 9.173 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:105 Resp: 546537

Ion	Ratio	Lower	Upper
105	100		
120	51.4	40.2	60.2
91	53.6	51.4	77.2
77	22.0	20.1	30.1



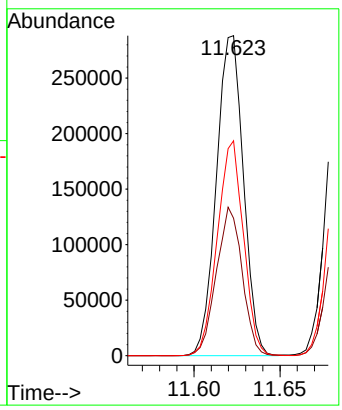


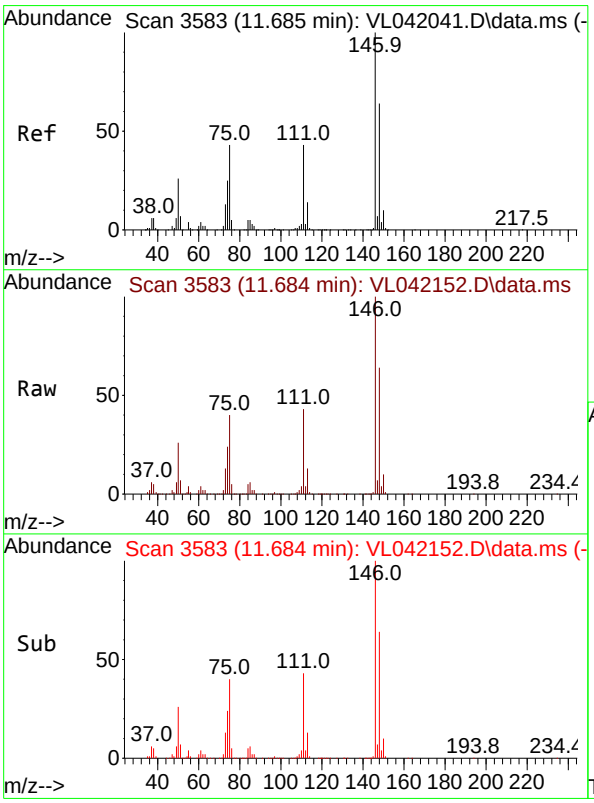
#75
1,3-Dichlorobenzene
Concen: 9.193 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:146 Resp: 315233

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.4	67.2
148	65.0	32.3	96.8

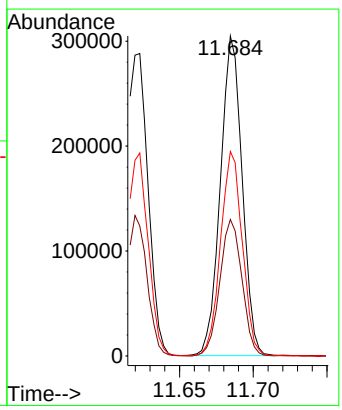


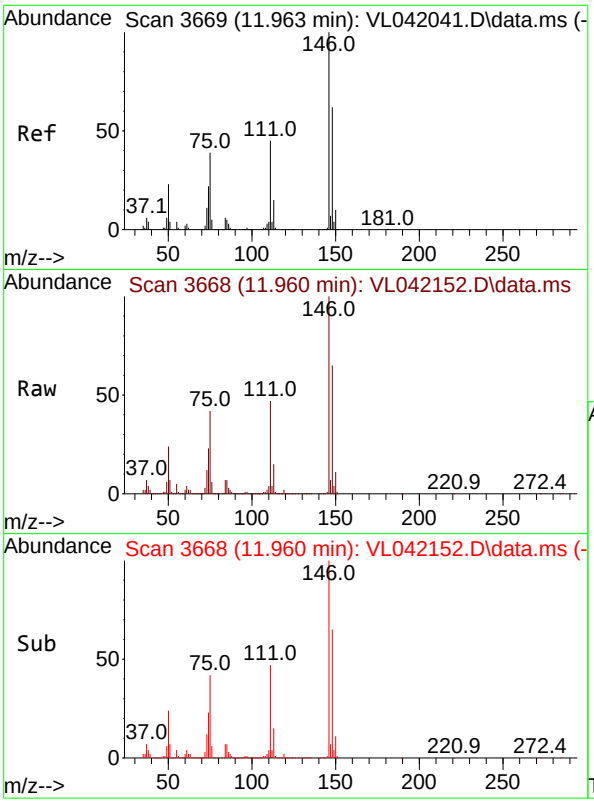


#76
1,4-Dichlorobenzene
Concen: 9.170 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:146 Resp: 312196

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.1	31.6	95.0



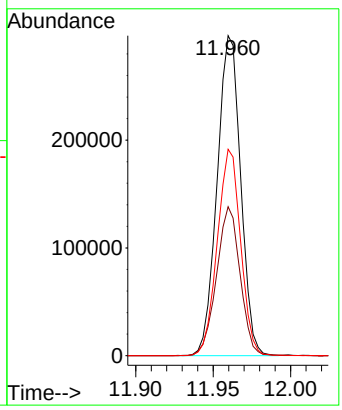


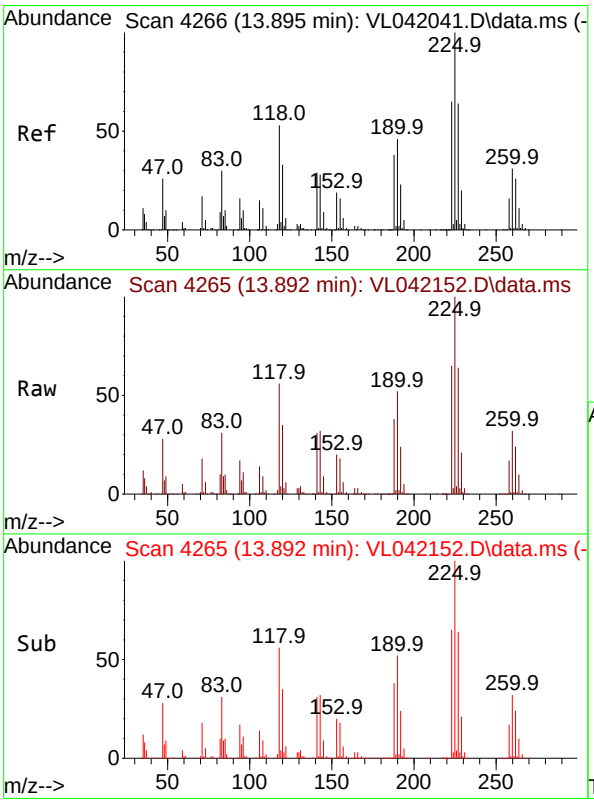
#77
1,2-Dichlorobenzene
Concen: 9.436 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:146 Resp: 313994

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.2	69.6
148	63.9	31.4	94.2

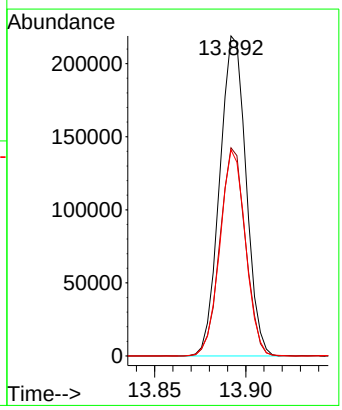


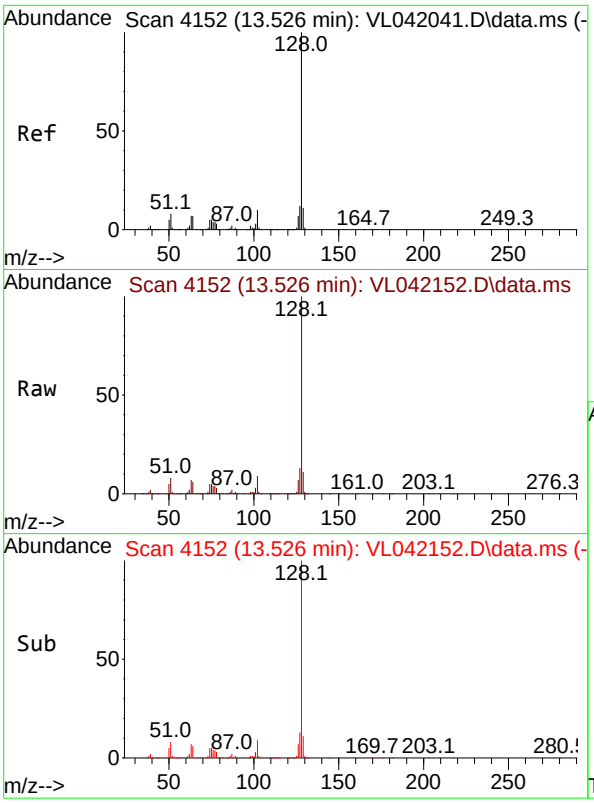


#78
Hexachloro-1,3-Butadiene
Concen: 8.487 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:225 Resp: 219764

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.2
227	62.5	50.8	76.2



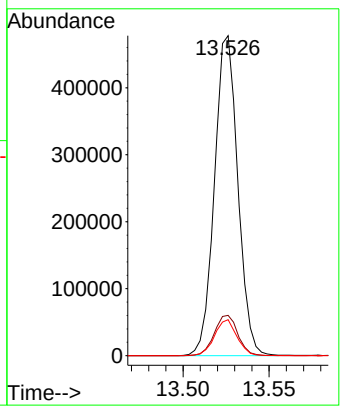


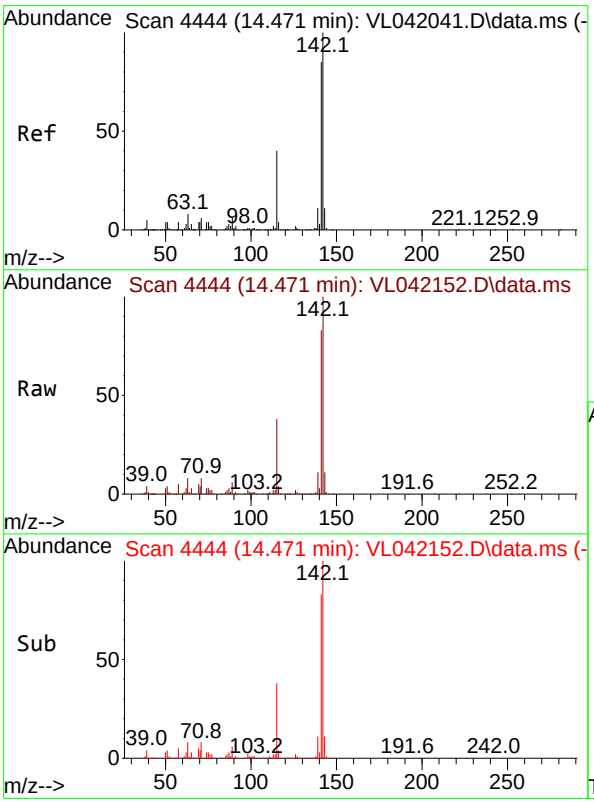
#79
Naphthalene
Concen: 11.049 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:128 Resp: 451423

Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.8	14.6
129	11.2	8.6	12.8

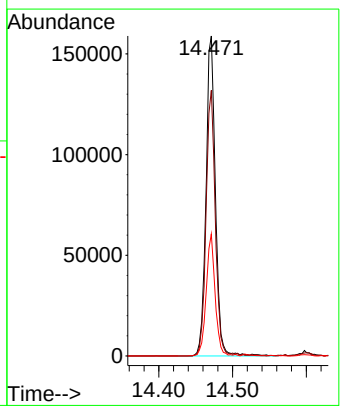


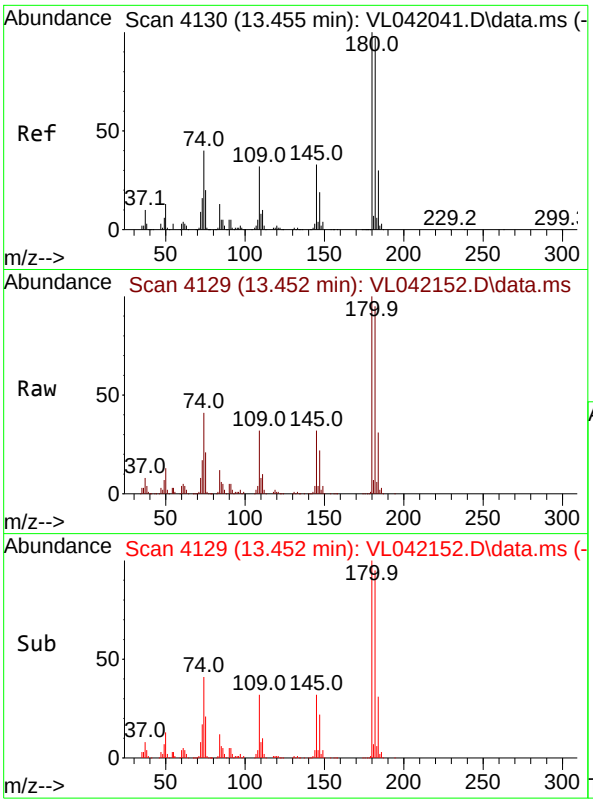


#80
Naphthalene,2-methyl-
Concen: 12.529 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Tgt Ion:142 Resp: 140075

Ion	Ratio	Lower	Upper
142	100		
141	82.4	65.8	98.6
115	36.9	29.5	44.3



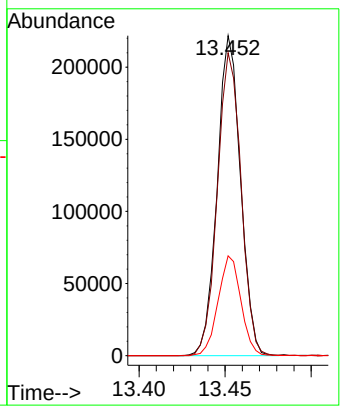


#81
1,2,4-Trichlorobenzene
Concen: 9.192 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042152.D
Acq: 17 Mar 2025 11:38

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tgt Ion:180 Resp: 209284

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.1	112.7
184	30.6	23.8	35.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042154.D
Acq On : 17 Mar 2025 12:51
Operator : SY/MD
Sample : Q1586-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Quant Time: Mar 18 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	191555	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	526330	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	471205	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	349708	9.647	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3076	0.154	ppbv		97
3) Chlorodifluoromethane	1.625	51	42997	1.544	ppbv	#	61
4) Chloromethane	1.602	50	5426	0.737	ppbv	#	74
5) Vinyl Chloride	1.784	62	930	0.133	ppbv	#	65
7) Chloroethane	1.780	64	159	0.056	ppbv	#	1
9) Propene	1.560	41	87372	7.704	ppbv	#	15
10) Heptane	5.027	43	5052114	143.063	ppbv		86
11) Trichlorofluoromethane	1.881	101	1305	0.065	ppbv	#	76
13) Ethanol	1.725	45	21840	30.334	ppbv	#	33
15) Acetone	1.845	43	4043924	239.055	ppbv	#	76
16) 1,3-Butadiene	1.602	39	38544	4.896	ppbv	#	12
17) tert-Butyl alcohol	2.049	59	10601	0.501	ppbv	#	70
19) Isopropyl Alcohol	1.890	45	17018	1.751	ppbv	#	1
20) Methylene Chloride	2.049	84	73592	11.501	ppbv	#	8
21) Allyl Chloride	2.081	41	2027073	165.846	ppbv	#	44
23) Vinyl Acetate	2.454	43	5264911	442.629	ppbv	#	1
24) 1,1-Dichloroethane	2.450	63	47394	3.037	ppbv	#	87
25) Ethyl Acetate	2.855	43	5660661	83.600	ppbv	#	78
26) Hexane	2.855	57	6634605	242.367	ppbv	#	31
27) Carbon Disulfide	2.156	76	2468	0.133	ppbv	#	62
28) Methyl tert-Butyl Ether	2.457	73	5150	0.378	ppbv	#	54
29) Chloroform	2.936	83	57220	1.553	ppbv	#	1
30) Cyclohexane	3.881	84	4024741	181.143	ppbv	#	86
31) cis-1,2-Dichloroethene	2.690	61	11676	0.451	ppbv	#	26
34) 2-Butanone	2.567	43	343349	8.374	ppbv		100
36) Benzene	3.677	78	3929144	71.311	ppbv	#	75
37) 1,2-Dichloroethane	3.221	62	2144	0.070	ppbv	#	1
39) 1,2-Dichloropropane	4.318	63	11498	0.550	ppbv	#	1
41) Tetrahydrofuran	3.130	42	587025	24.229	ppbv	#	39
42) Bromodichloromethane	4.473	83	748943	18.196	ppbv	#	24
43) Methyl Methacrylate	4.839	69	483309	22.461	ppbv	#	47
44) 2,2,4-Trimethylpentane	4.635	57	189214	1.946	ppbv	#	1
47) 1,1,2-Trichloroethane	6.503	97	131446	6.191	ppbv	#	43
50) 4-Methyl-2-Pentanone	5.820	43	133553	2.518	ppbv		93
51) 2-Hexanone	7.448	43	868528	23.796	ppbv	#	32
52) Tetrachloroethene	8.247	164	84220	4.465	ppbv		93
53) Toluene	6.959	91	305311	4.958	ppbv		98
57) Chlorobenzene	8.891	112	8584	0.176	ppbv	#	36
58) Ethyl Benzene	9.374	91	232110	2.675	ppbv		98
59) m/p-Xylene	9.548	91	672715	9.741	ppbv	#	100
60) o-Xylene	9.982	91	201180	2.898	ppbv		97
61) Styrene	9.888	104	7224	0.221	ppbv	#	73
62) Isopropylbenzene	10.555	105	22053	0.212	ppbv		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042154.D
Acq On : 17 Mar 2025 12:51
Operator : SY/MD
Sample : Q1586-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Quant Time: Mar 18 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

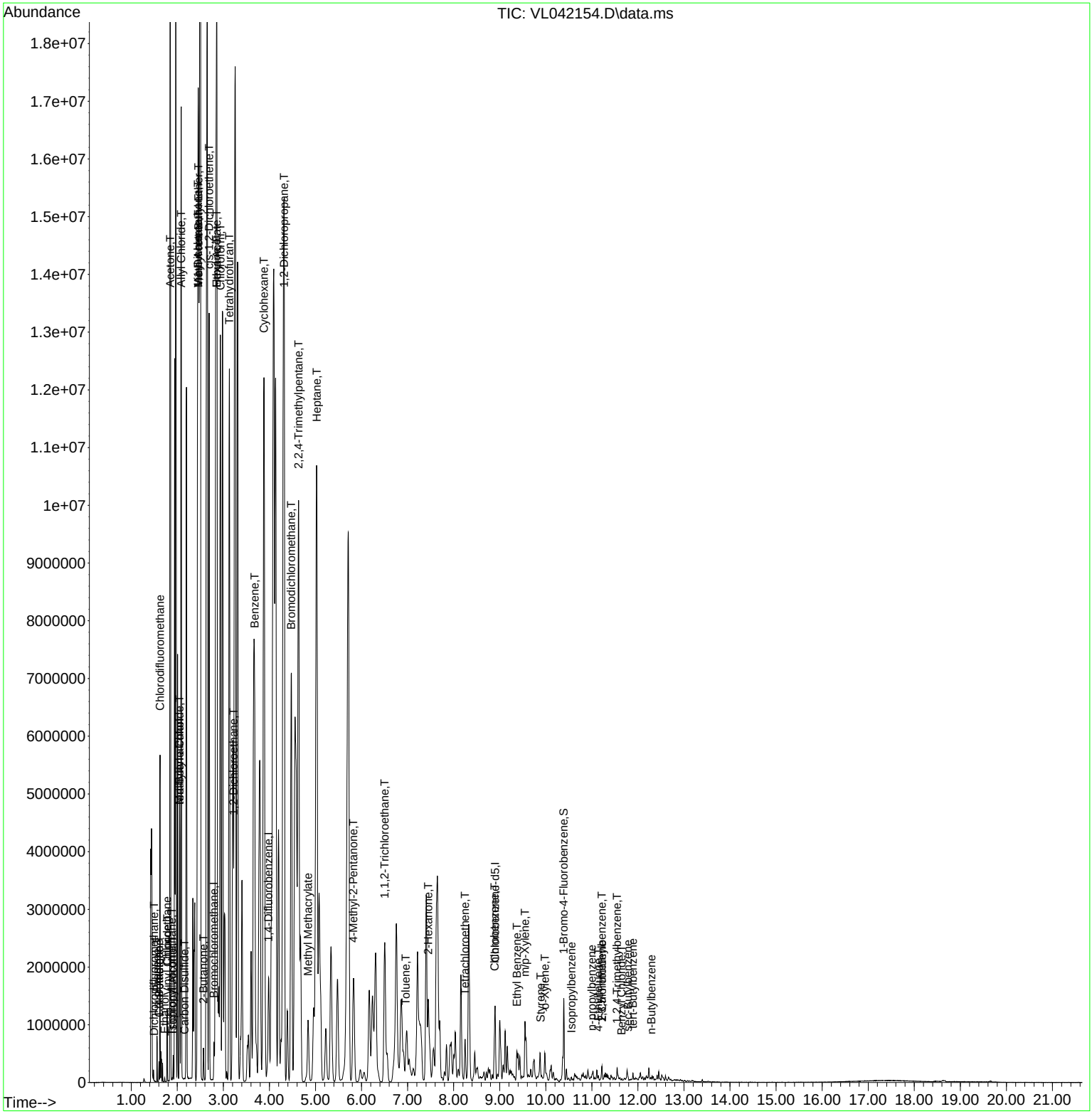
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
64) n-propylbenzene	11.002	120	5898	0.216	ppbv		83
65) tert-Butylbenzene	11.892	119	8598	0.091	ppbv		92
66) Benzyl Chloride	11.642	91	306	0.042	ppbv	#	1
67) sec-Butylbenzene	11.782	105	5614	0.041	ppbv	#	50
70) n-Butylbenzene	12.290	91	5711	0.052	ppbv	#	67
71) 2-Chlorotoluene	11.218	91	4983	0.062	ppbv		90
72) 4-Ethyltoluene	11.138	105	24902	0.294	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.215	105	38025	0.517	ppbv		93
74) 1,2,4-Trimethylbenzene	11.549	105	74719	0.902	ppbv	#	60

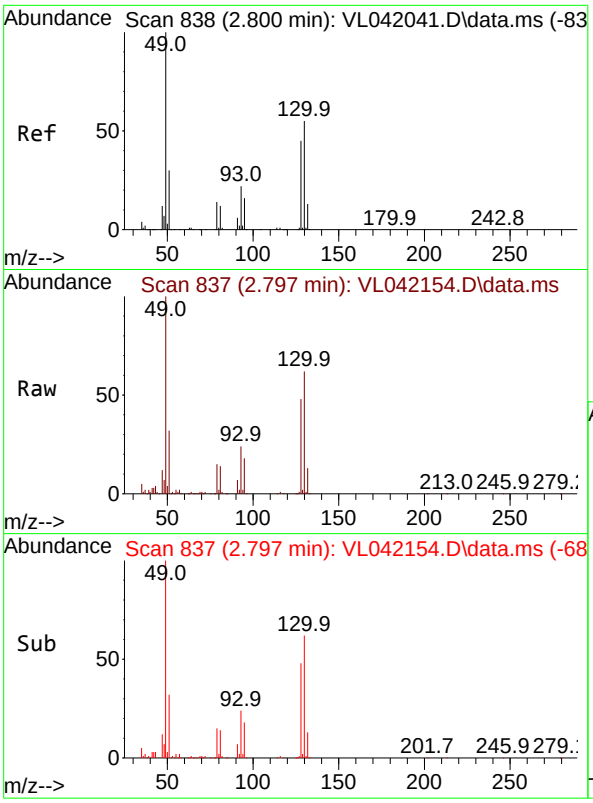
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042154.D
Acq On : 17 Mar 2025 12:51
Operator : SY/MD
Sample : Q1586-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Quant Time: Mar 18 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



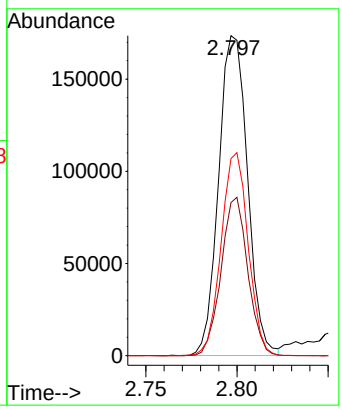


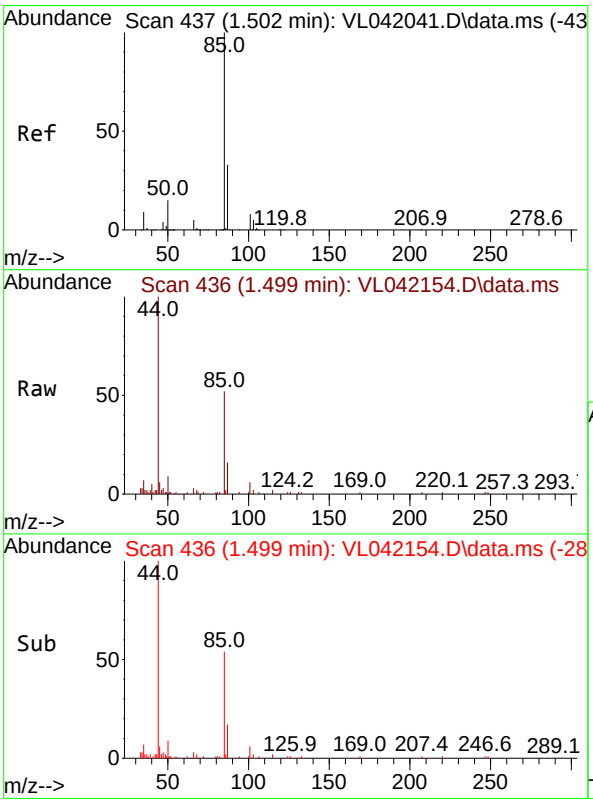
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 49 Resp: 191555

Ion	Ratio	Lower	Upper
49	100		
128	45.7	21.6	64.8
130	59.4	27.8	83.4

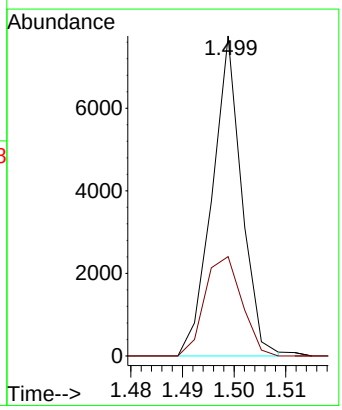


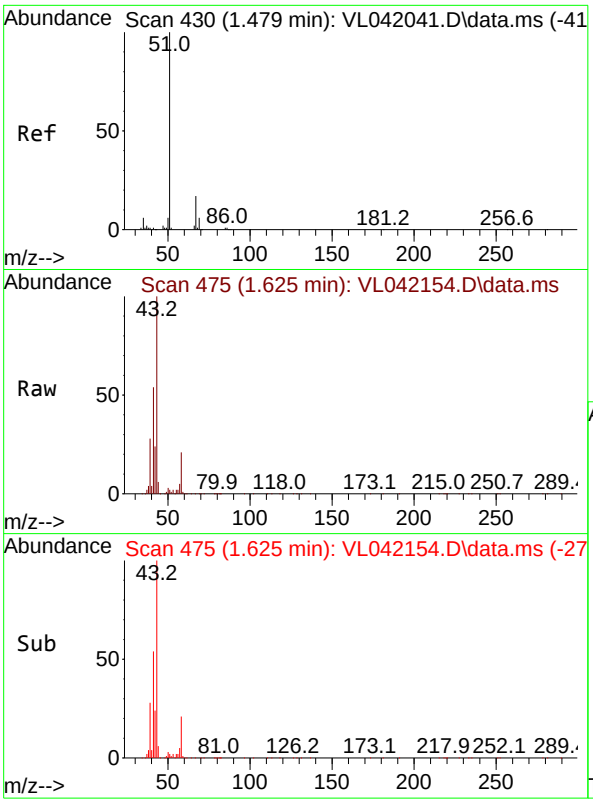


#2
Dichlorodifluoromethane
Concen: 0.154 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 85 Resp: 3076

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.4	39.6



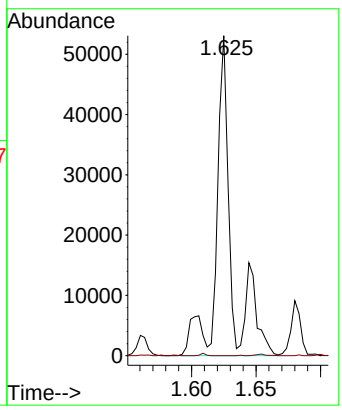


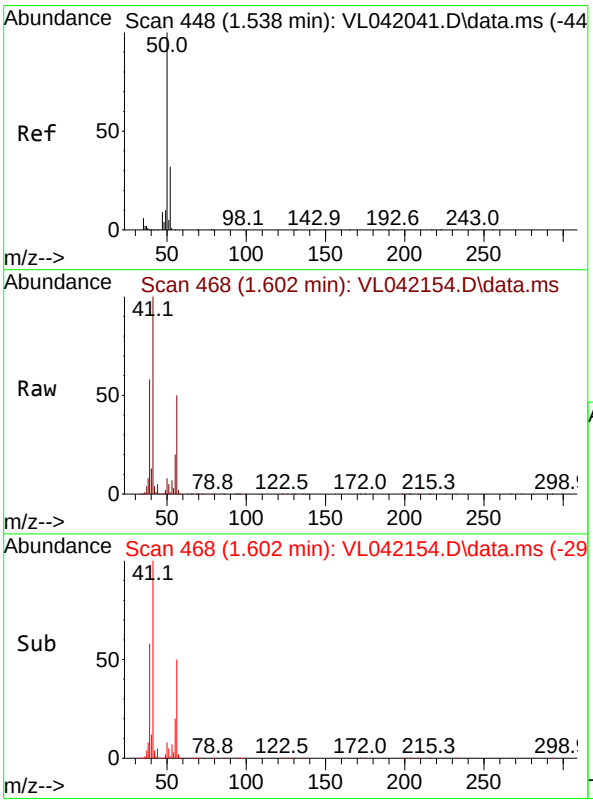
#3
Chlorodifluoromethane
Concen: 1.544 ppbv
RT: 1.625 min Scan# 4
Delta R.T. 0.146 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 51 Resp: 42997

Ion	Ratio	Lower	Upper
51	100		
67	0.0	13.7	20.5#

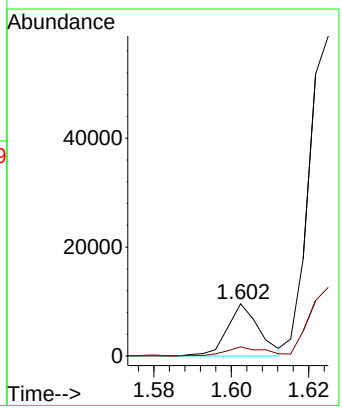


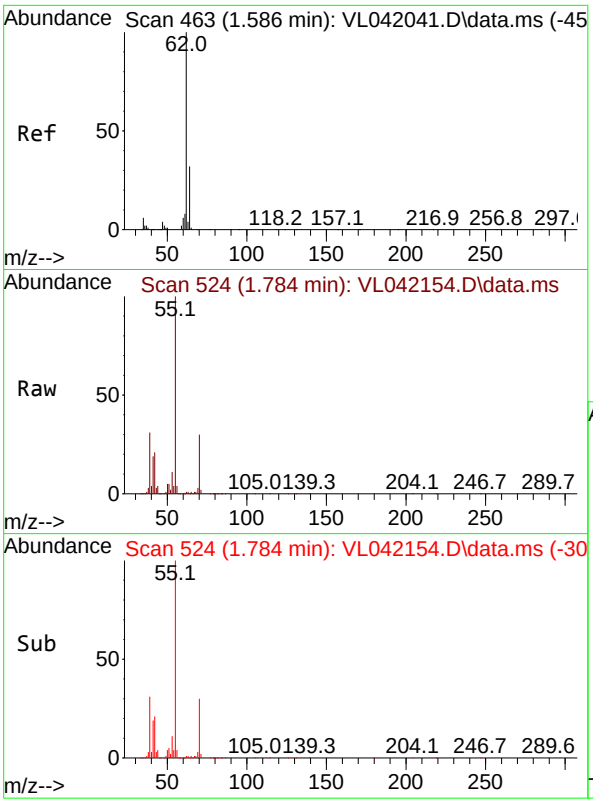


#4
Chloromethane
Concen: 0.737 ppbv
RT: 1.602 min Scan# 468
Delta R.T. 0.065 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 50 Resp: 5426

Ion	Ratio	Lower	Upper
50	100		
52	17.5	25.4	38.0#



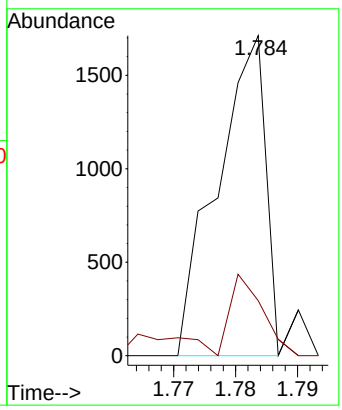


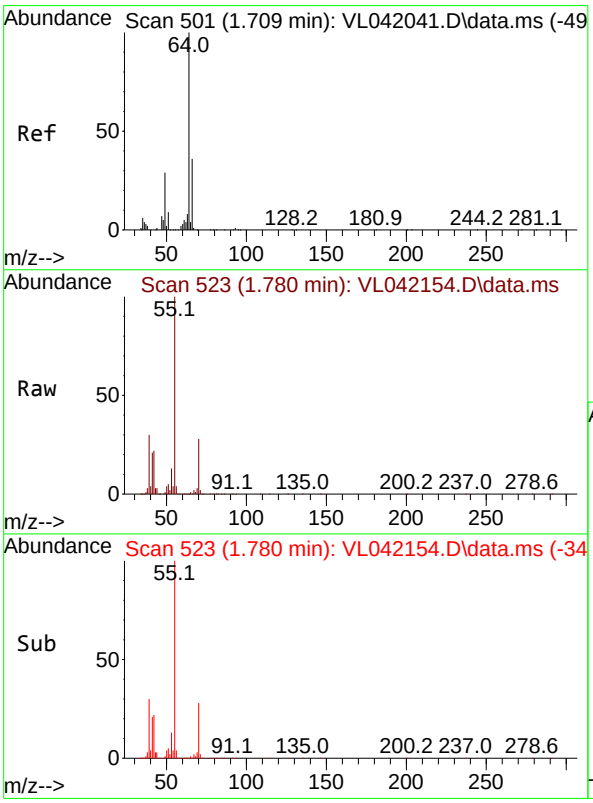
#5
Vinyl Chloride
Concen: 0.133 ppbv
RT: 1.784 min Scan# 5
Delta R.T. 0.197 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 62 Resp: 930

Ion	Ratio	Lower	Upper
62	100		
64	12.1	25.3	37.9#

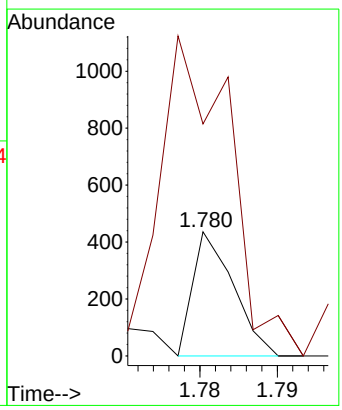


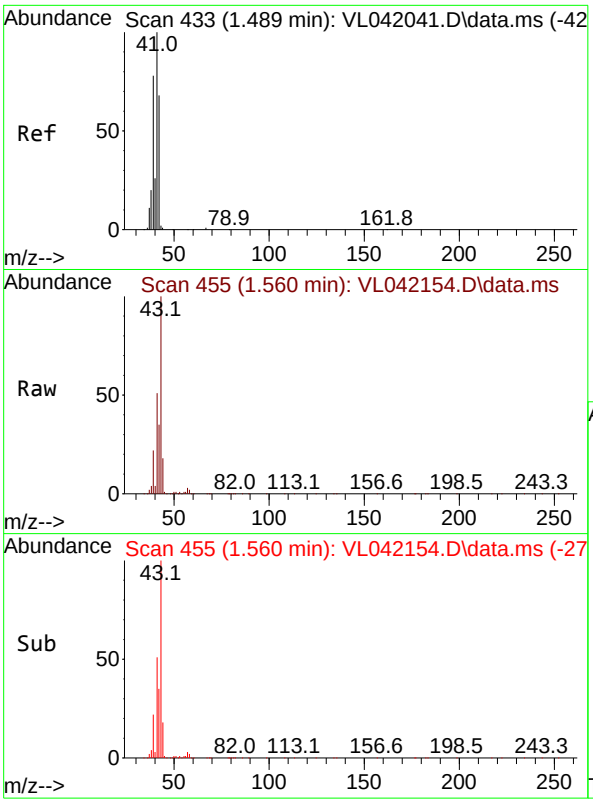


#7
Chloroethane
Concen: 0.056 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.071 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 64 Resp: 159

Ion	Ratio	Lower	Upper
64	100		
66	186.9	28.4	42.6#



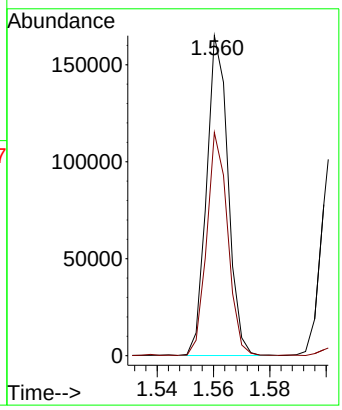


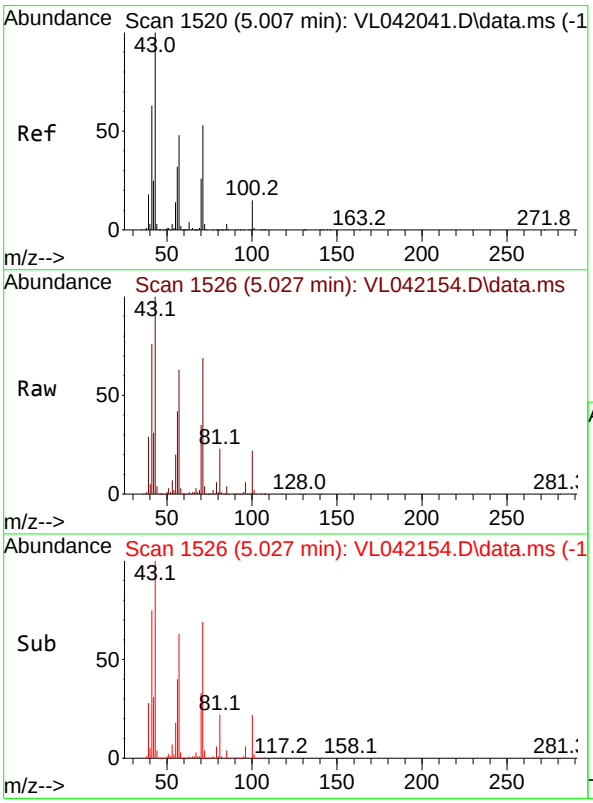
#9
Propene
Concen: 7.704 ppbv
RT: 1.560 min Scan# 4
Delta R.T. 0.071 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 41 Resp: 87372

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.8	83.6#

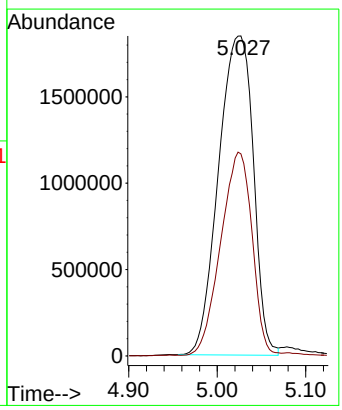


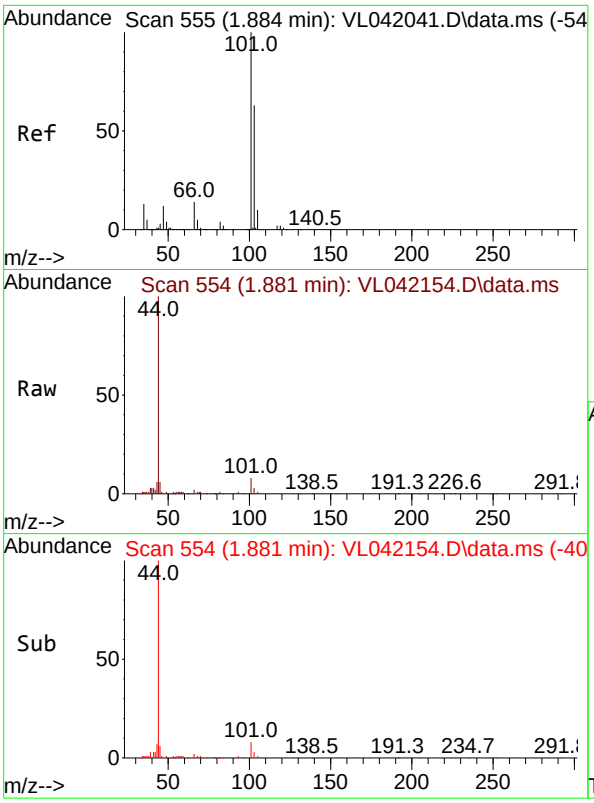


#10
Heptane
Concen: 143.063 ppbv
RT: 5.027 min Scan# 1526
Delta R.T. 0.019 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 43 Resp: 5052114

Ion	Ratio	Lower	Upper
43	100		
57	58.4	39.4	59.0



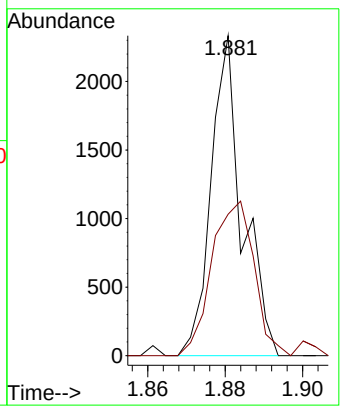


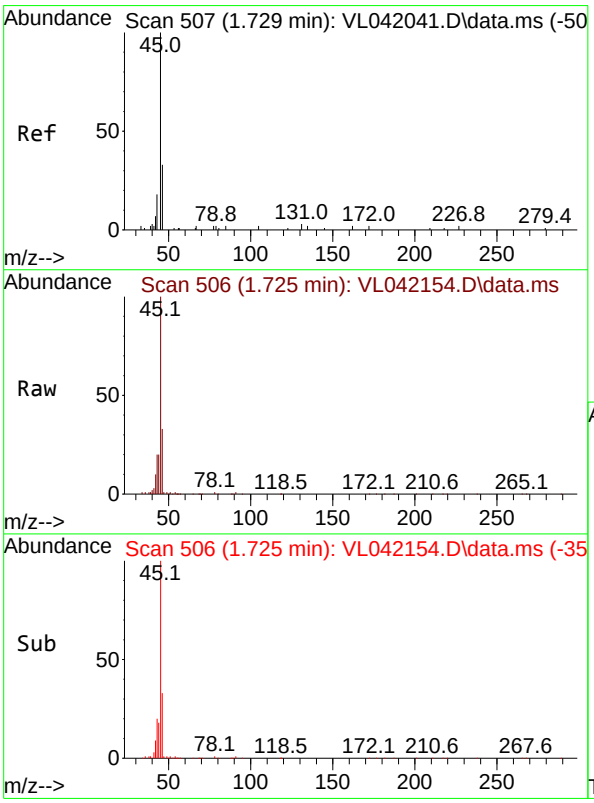
#11
Trichlorofluoromethane
Concen: 0.065 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion:101 Resp: 1305

Ion	Ratio	Lower	Upper
101	100		
103	44.2	50.6	75.8#

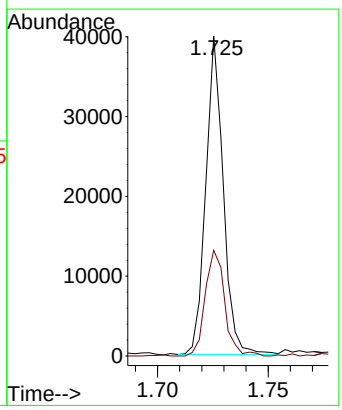


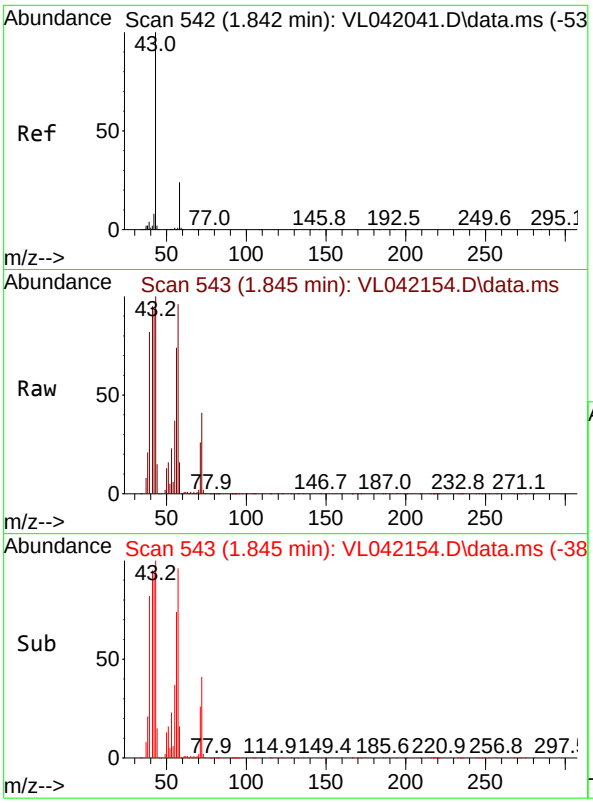


#13
Ethanol
Concen: 30.334 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 45 Resp: 21840

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.1	68.3#



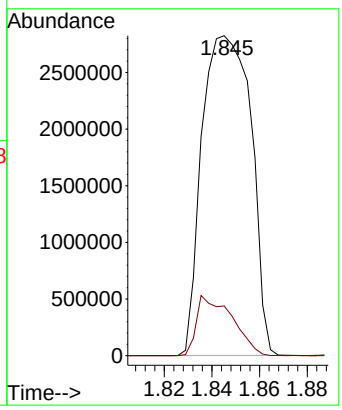


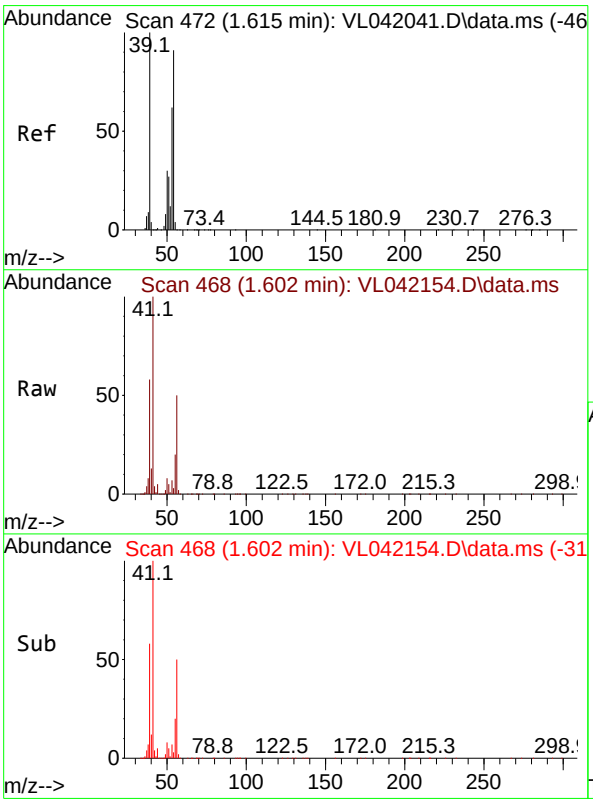
#15
Acetone
Concen: 239.055 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 43 Resp: 4043924

Ion	Ratio	Lower	Upper
43	100		
58	13.7	20.7	31.1#

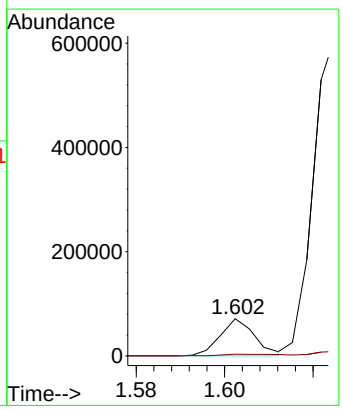


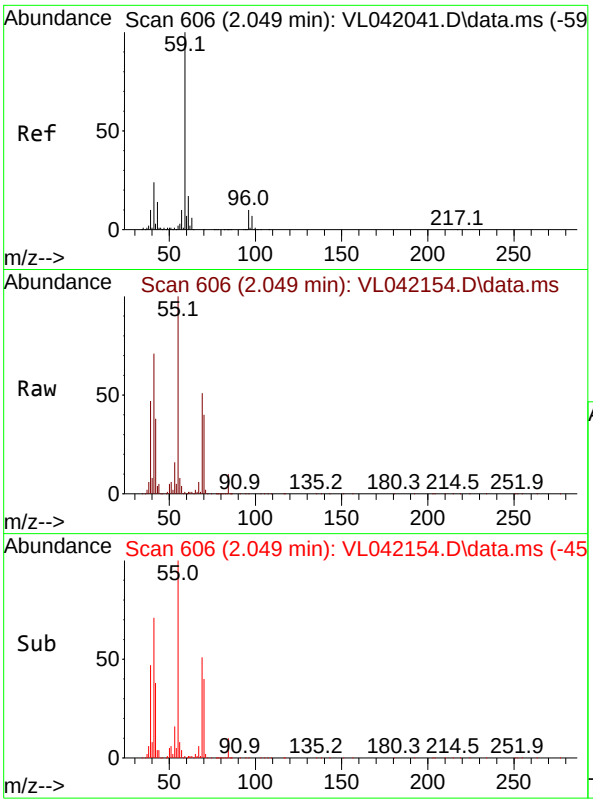


#16
1,3-Butadiene
Concen: 4.896 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.013 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 39 Resp: 38544

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.6	89.4#



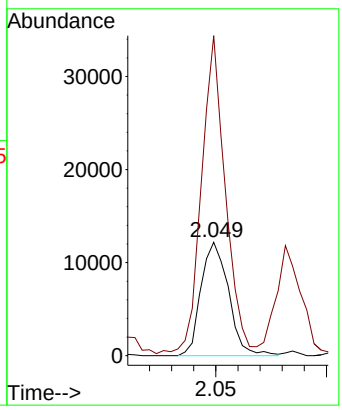


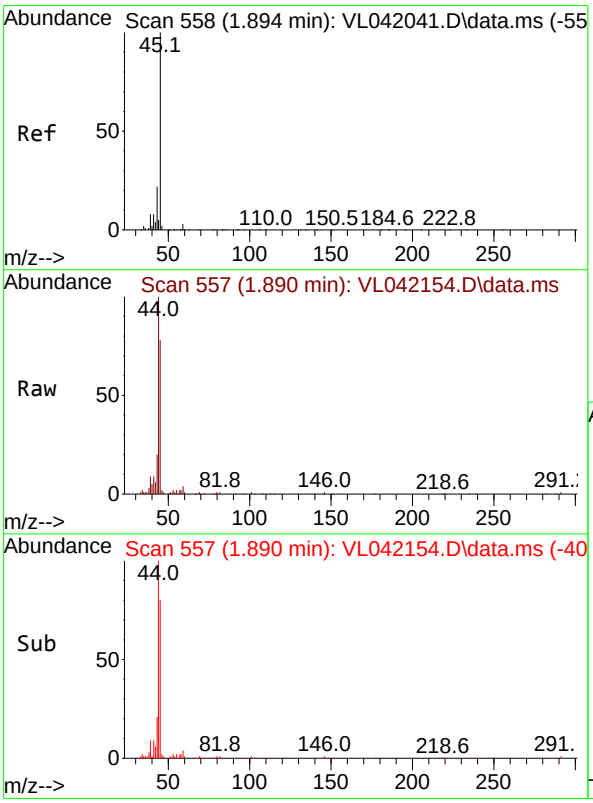
#17
tert-Butyl alcohol
Concen: 0.501 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 59 Resp: 10601

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

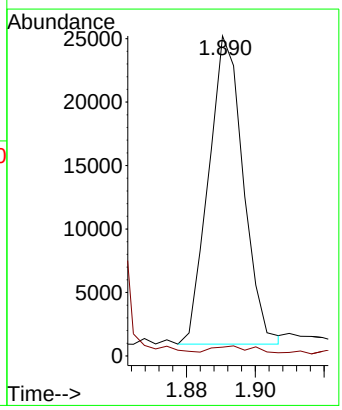


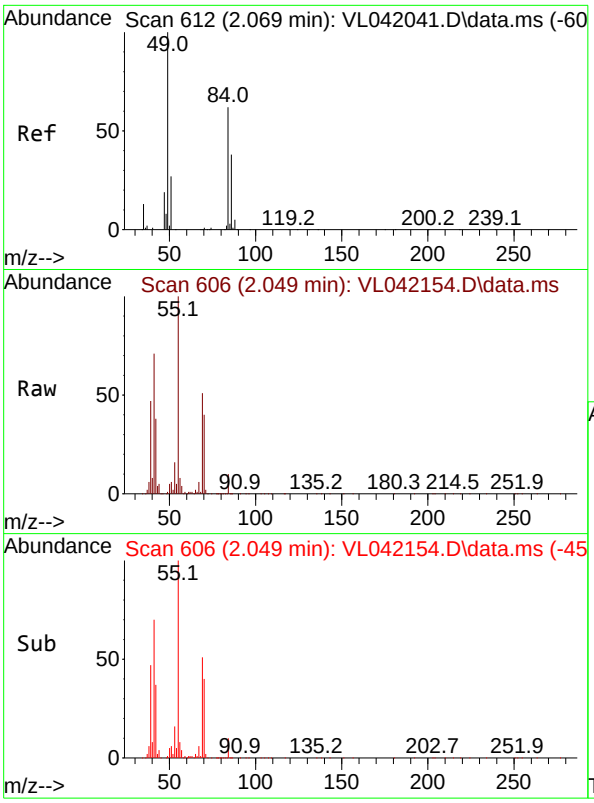


#19
Isopropyl Alcohol
Concen: 1.751 ppbv
RT: 1.890 min Scan# 557
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 45 Resp: 17018

Ion	Ratio	Lower	Upper
45	100		
58	3252.6	35.3	52.9#



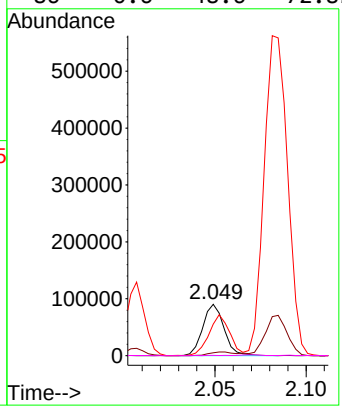


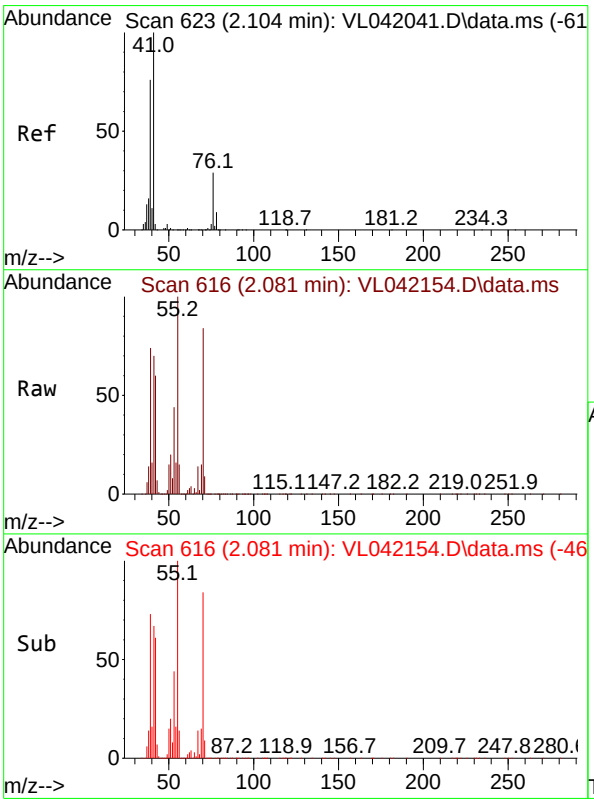
#20
Methylene Chloride
Concen: 11.501 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.020 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 84 Resp: 73592

Ion	Ratio	Lower	Upper
84	100		
49	5.7	130.0	195.0#
51	60.6	37.4	56.0#
86	0.6	48.6	72.8#

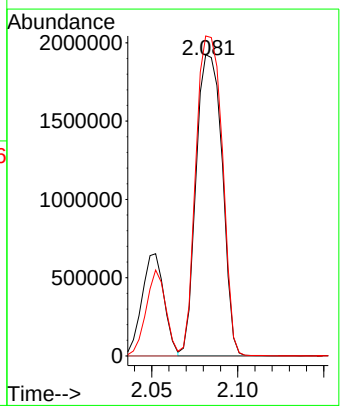


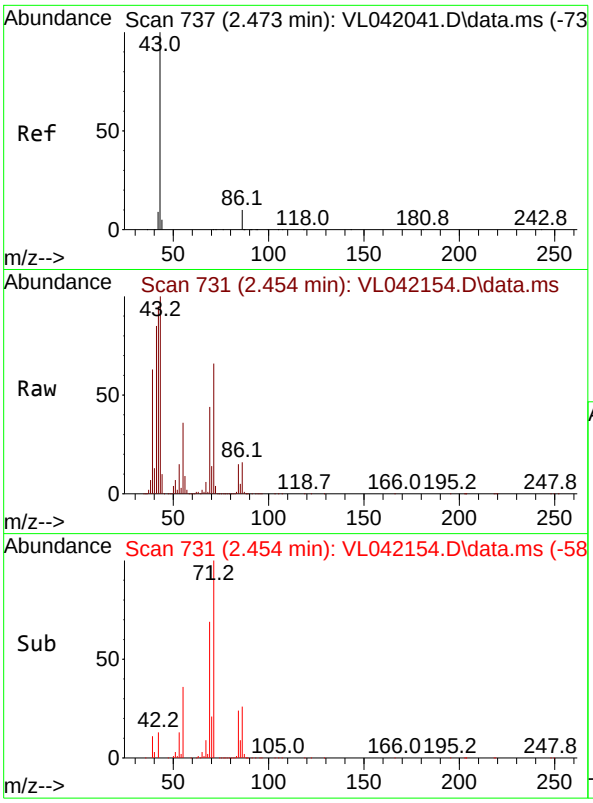


#21
Allyl Chloride
Concen: 165.846 ppbv
RT: 2.081 min Scan# 616
Delta R.T. -0.023 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 41 Resp: 2027073

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.8	35.6#
39	129.2	63.8	95.6#



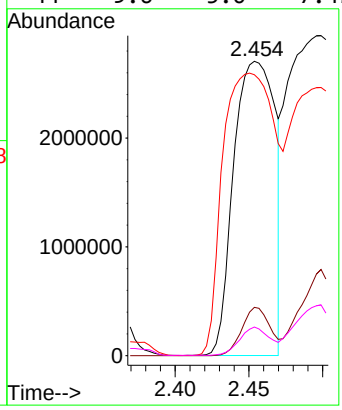


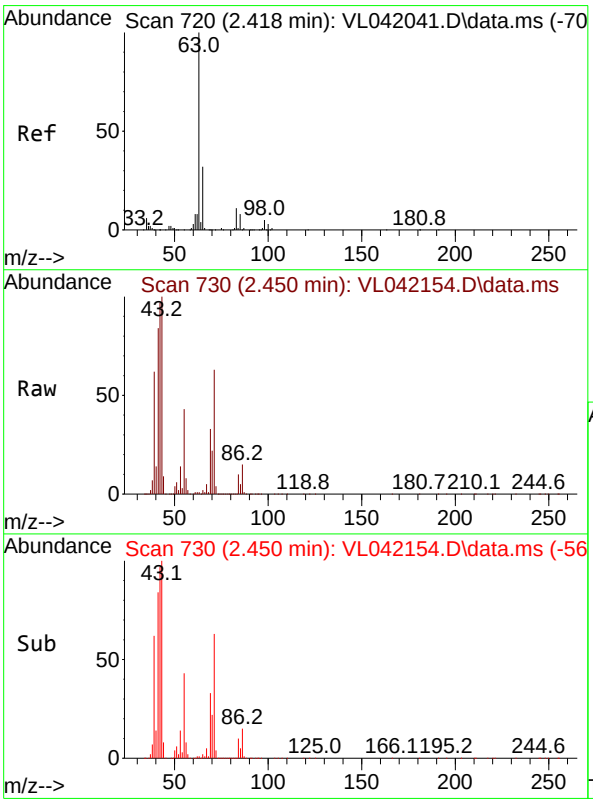
#23
Vinyl Acetate
Concen: 442.629 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.020 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 43 Resp: 5264911

Ion	Ratio	Lower	Upper
43	100		
86	16.4	7.0	10.4#
42	95.4	7.6	11.4#
44	9.6	5.0	7.4#

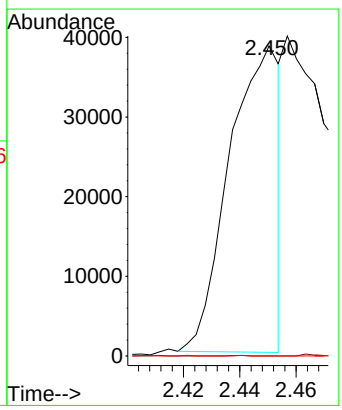


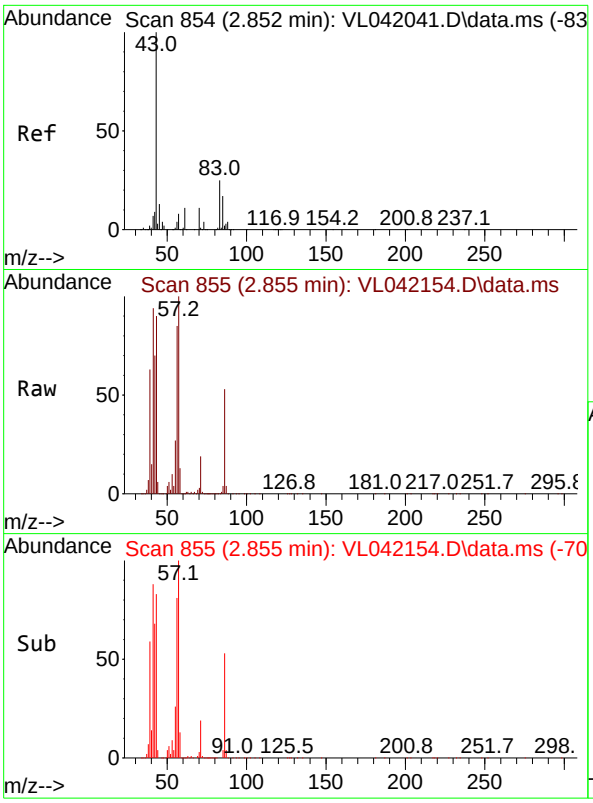


#24
1,1-Dichloroethane
Concen: 3.037 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.032 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 63 Resp: 47394

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	0.0	1.7	5.0#



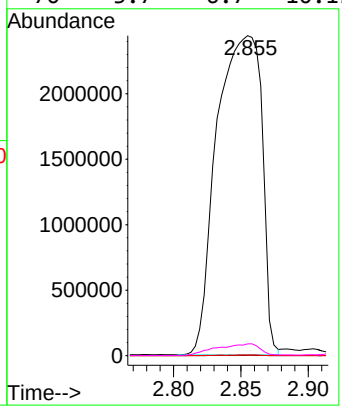


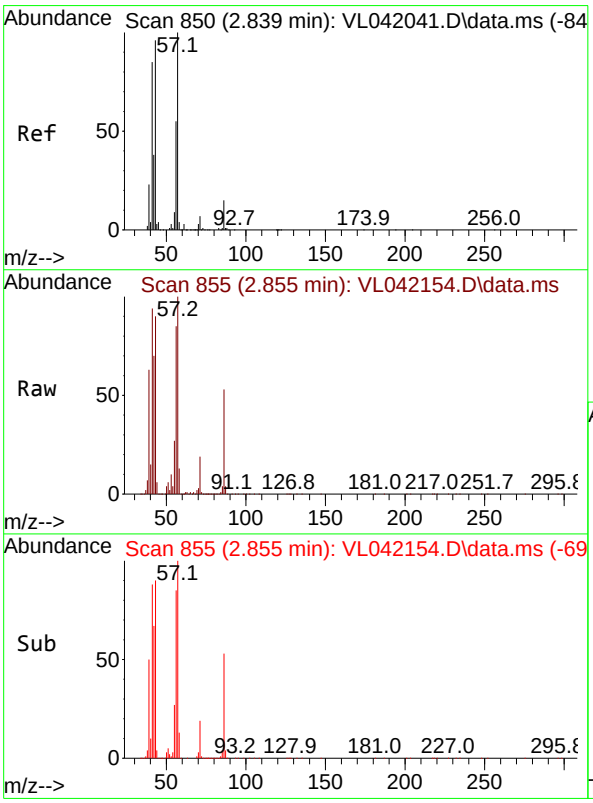
#25
Ethyl Acetate
Concen: 83.600 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 43 Resp: 5660661

Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.1	12.1#
61	0.3	7.2	10.8#
70	3.7	6.7	10.1#

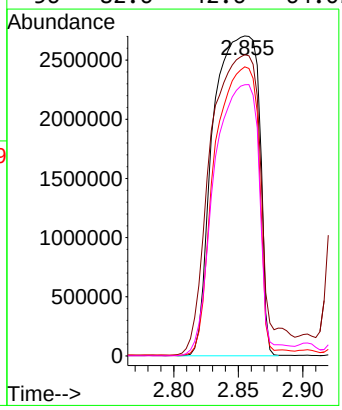


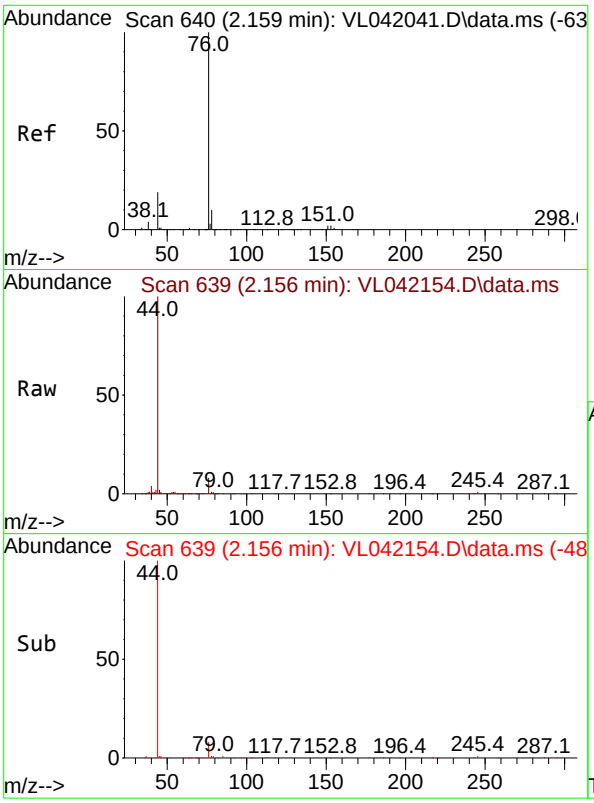


#26
Hexane
Concen: 242.367 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.016 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 57 Resp: 6634605

Ion	Ratio	Lower	Upper
57	100		
41	102.5	70.6	106.0
43	85.8	199.4	299.0#
56	82.6	42.6	64.0#



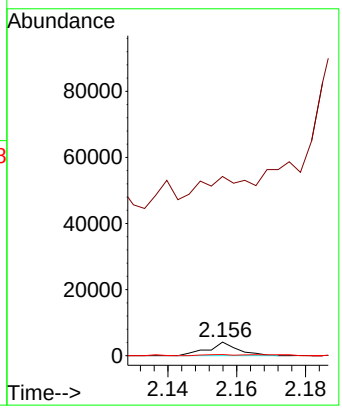


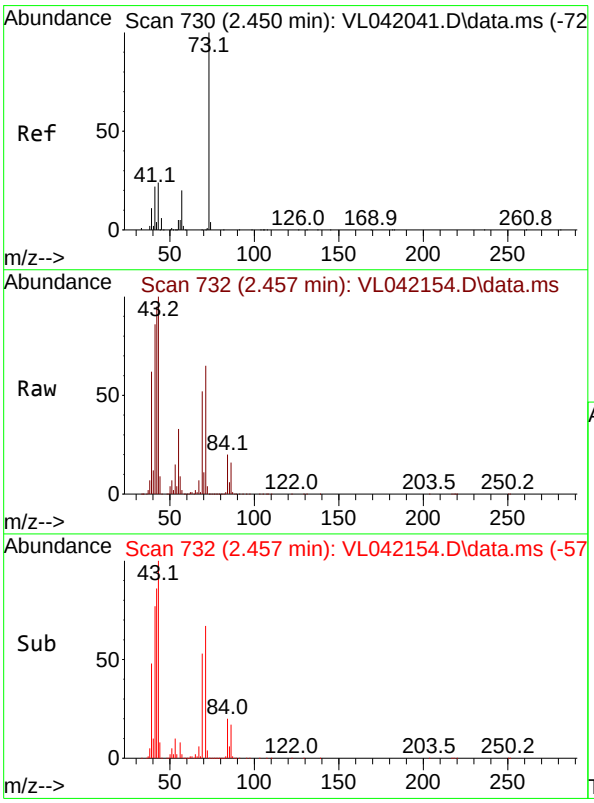
#27
Carbon Disulfide
Concen: 0.133 ppbv
RT: 2.156 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 76 Resp: 2468

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.2	24.2#
78	22.1	9.4	14.0#

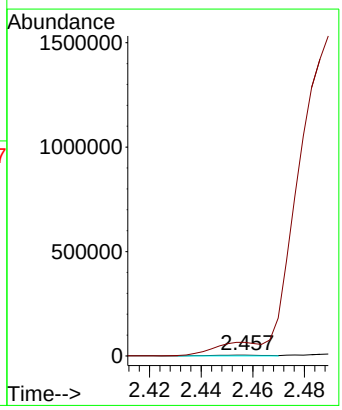


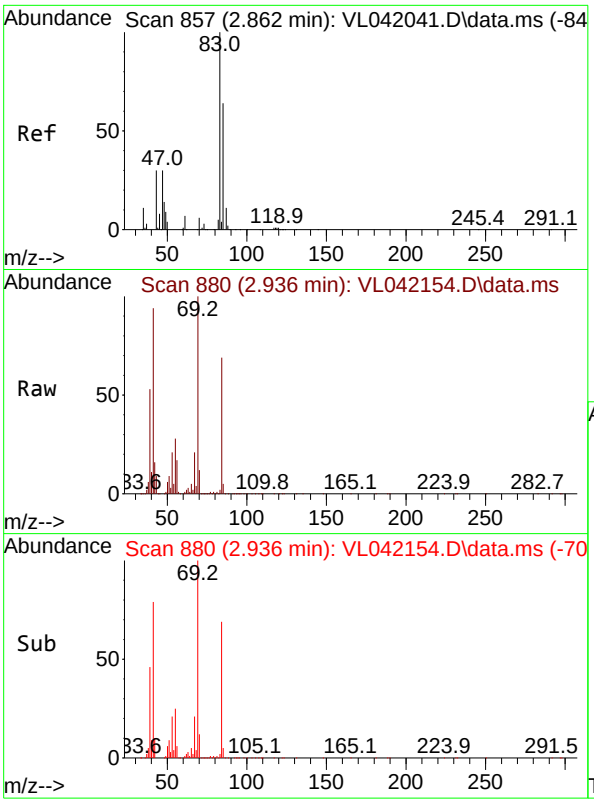


#28
Methyl tert-Butyl Ether
Concen: 0.378 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.006 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 73 Resp: 5150

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.7	26.5#



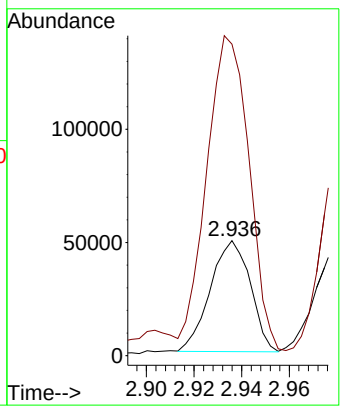


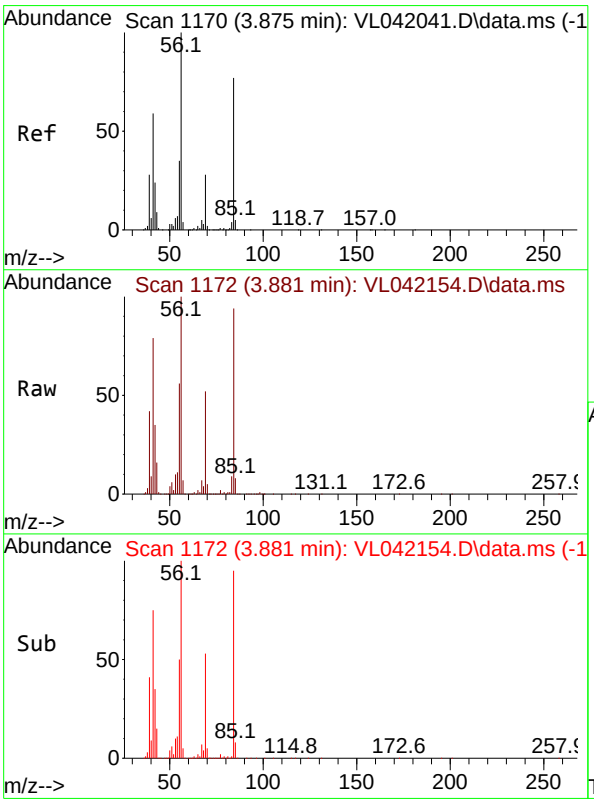
#29
Chloroform
Concen: 1.553 ppbv
RT: 2.936 min Scan# 8
Delta R.T. 0.074 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 83 Resp: 57220

Ion	Ratio	Lower	Upper
83	100		
85	275.1	51.2	76.8#

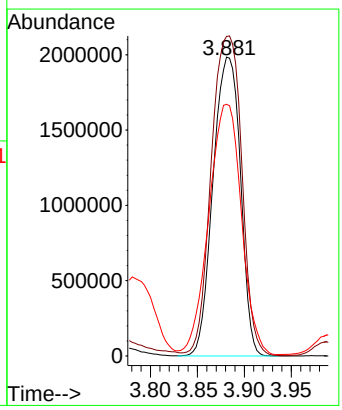


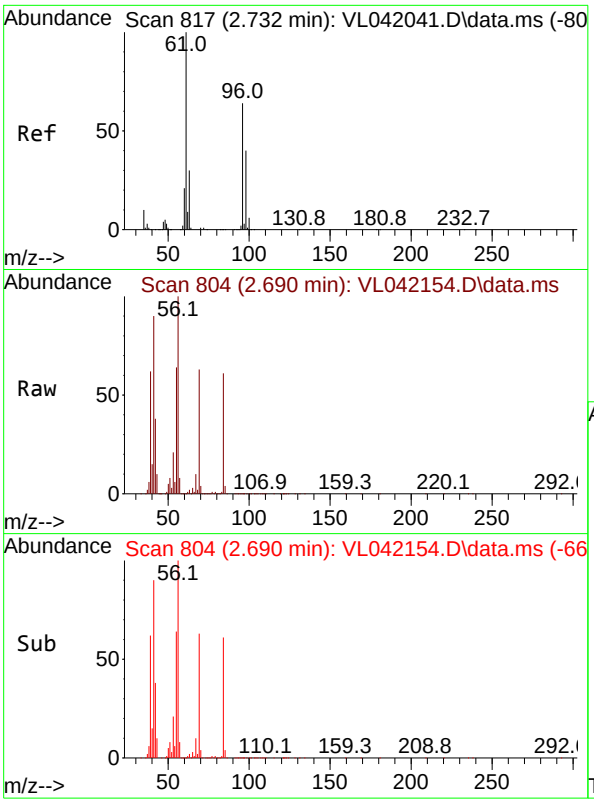


#30
Cyclohexane
Concen: 181.143 ppbv
RT: 3.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 84 Resp: 4024741

Ion	Ratio	Lower	Upper
84	100		
56	119.1	101.5	152.3
41	99.4	62.6	93.8#



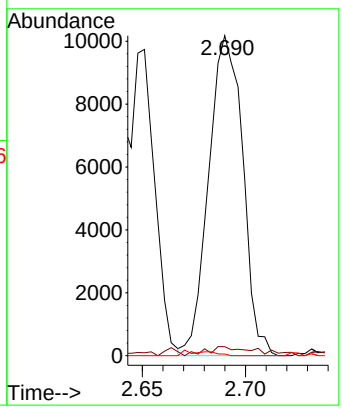


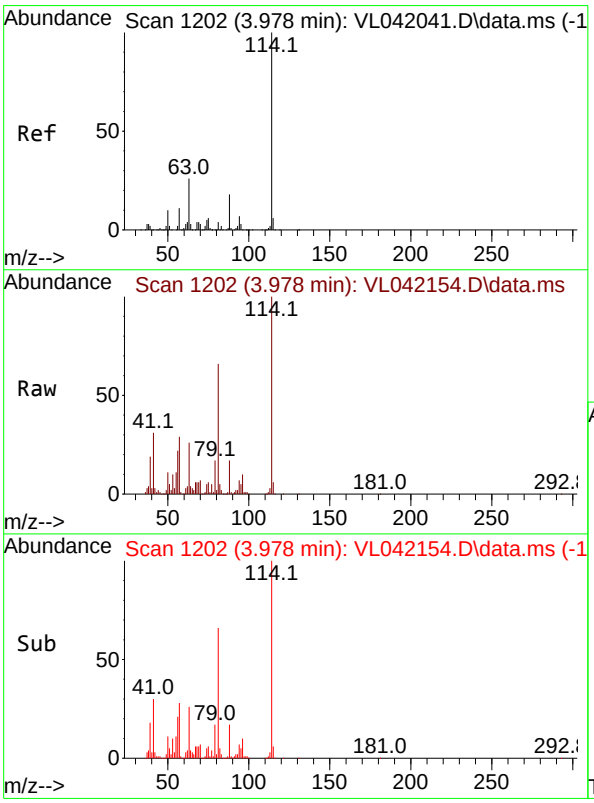
#31
cis-1,2-Dichloroethene
Concen: 0.451 ppbv
RT: 2.690 min Scan# 8
Delta R.T. -0.042 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 61 Resp: 11676

Ion	Ratio	Lower	Upper
61	100		
96	2.0	51.5	77.3#
98	0.5	32.0	48.0#

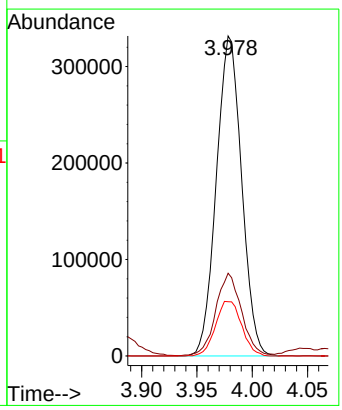


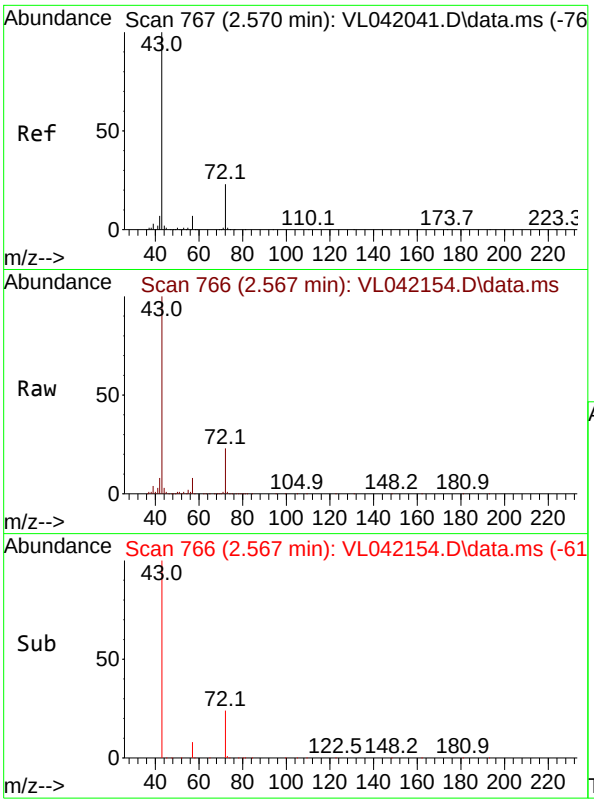


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:114 Resp: 526330

Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.1	30.1
88	17.7	14.3	21.5



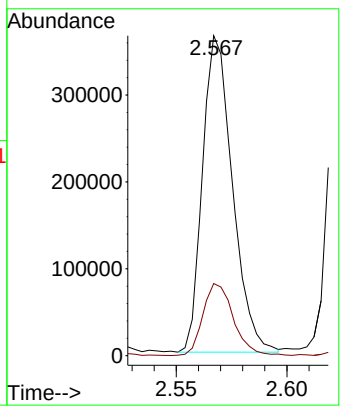


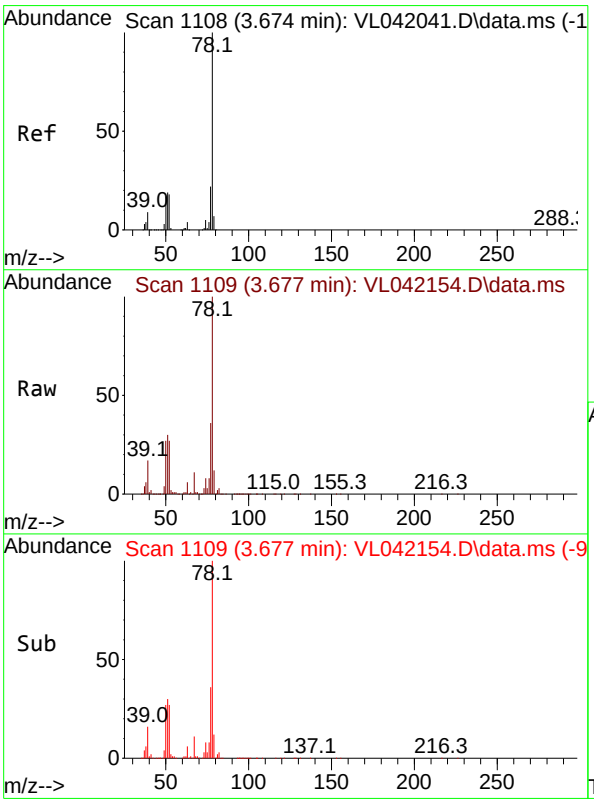
#34
2-Butanone
Concen: 8.374 ppbv
RT: 2.567 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 43 Resp: 343349

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.5	27.7

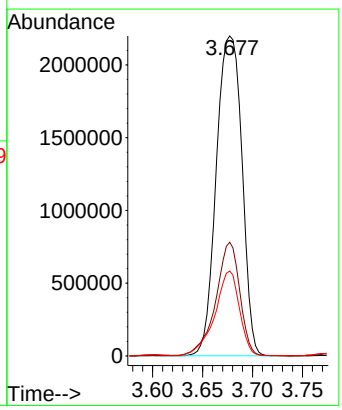


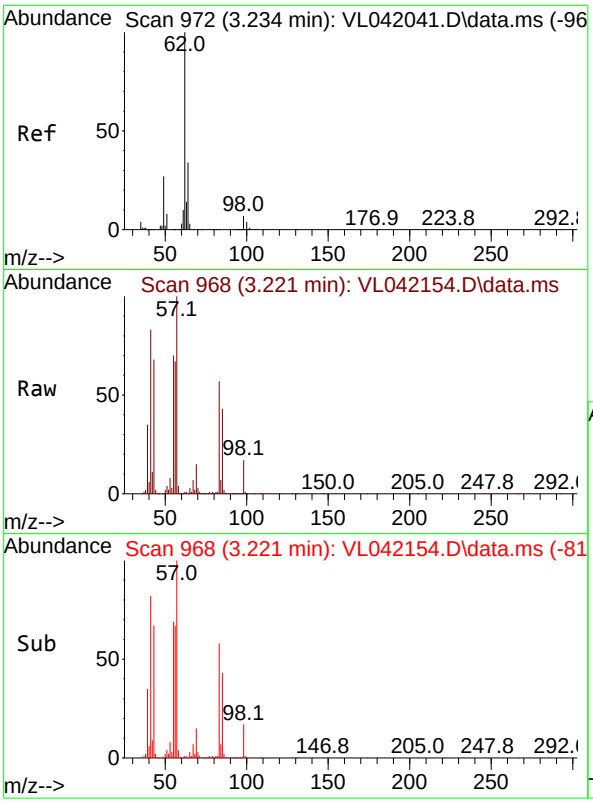


#36
Benzene
Concen: 71.311 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 78 Resp: 3929144

Ion	Ratio	Lower	Upper
78	100		
77	35.4	17.7	26.5#
50	26.4	13.9	20.9#



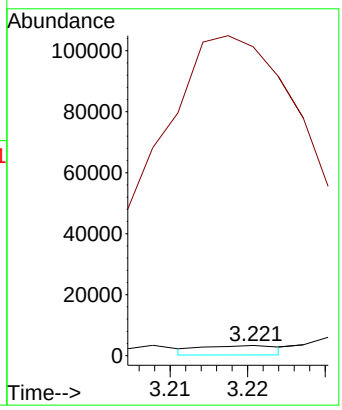


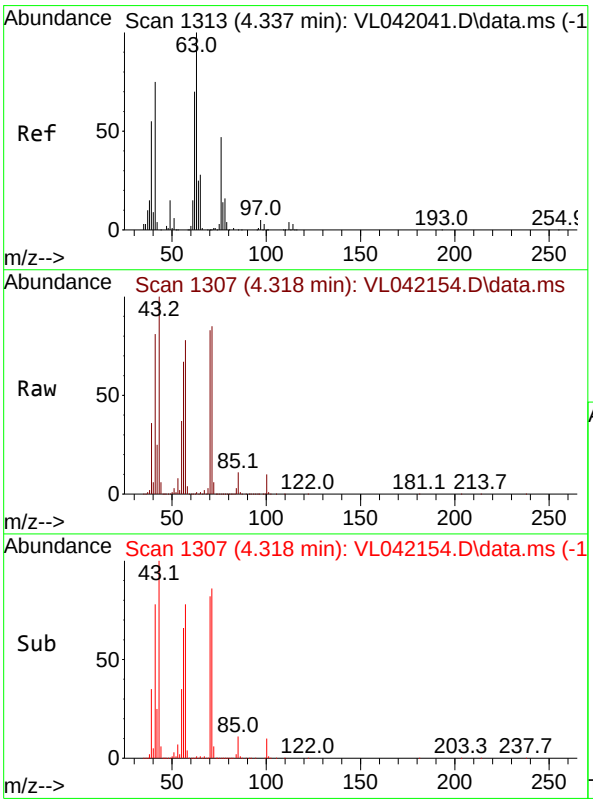
#37
1,2-Dichloroethane
Concen: 0.070 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.013 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 62 Resp: 2144

Ion	Ratio	Lower	Upper
62	100		
98	8037.7	5.7	8.5#

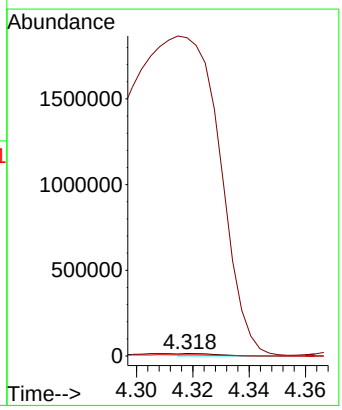


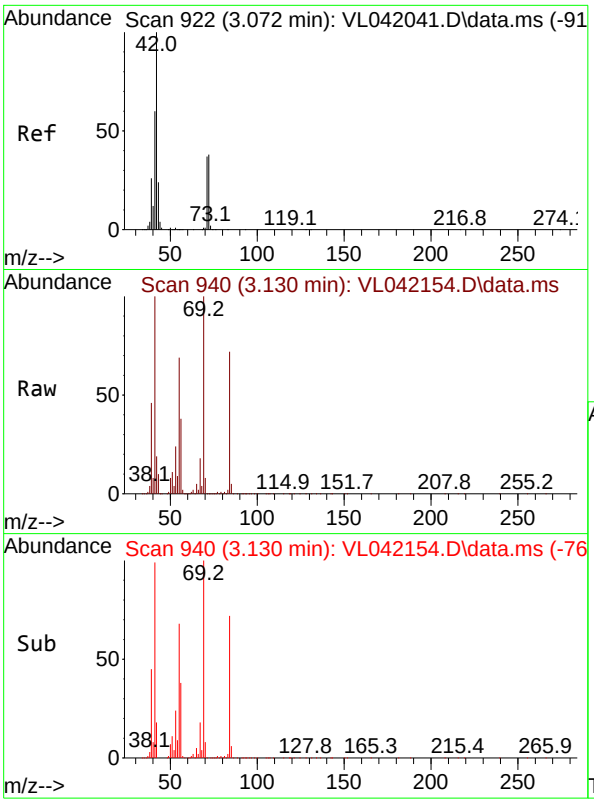


#39
1,2-Dichloropropane
Concen: 0.550 ppbv
RT: 4.318 min Scan# 1307
Delta R.T. -0.020 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 63 Resp: 11498

Ion	Ratio	Lower	Upper
63	100		
41	13492.2	60.1	90.1#
62	49.7	55.8	83.8#



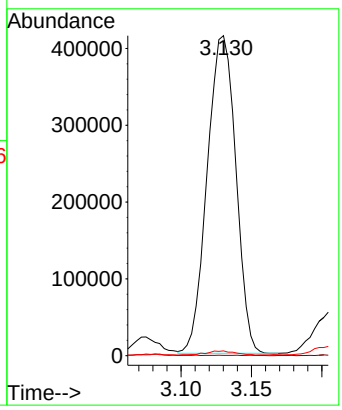


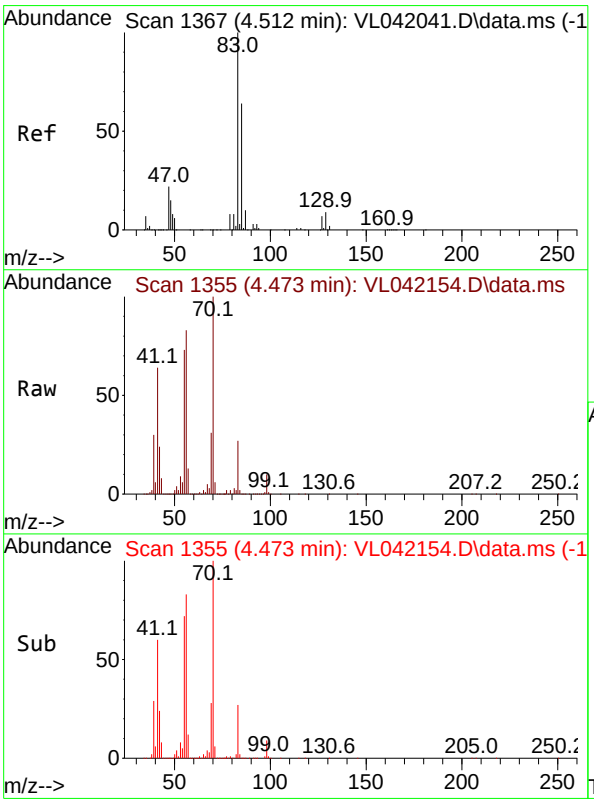
#41
Tetrahydrofuran
Concen: 24.229 ppbv
RT: 3.130 min Scan# 9
Delta R.T. 0.058 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 42 Resp: 587025

Ion	Ratio	Lower	Upper
42	100		
72	0.4	30.2	45.2#
71	0.0	28.2	42.4#

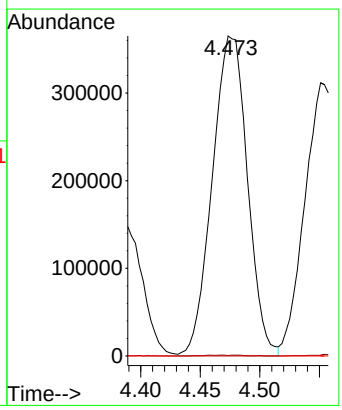


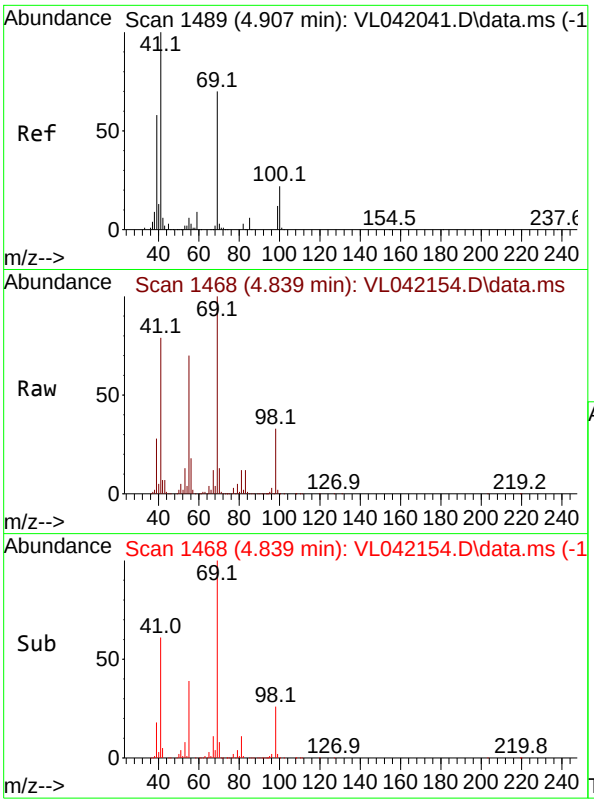


#42
Bromodichloromethane
Concen: 18.196 ppbv
RT: 4.473 min Scan# 1355
Delta R.T. -0.039 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 83 Resp: 748943

Ion	Ratio	Lower	Upper
83	100		
85	0.2	51.4	77.2#
127	0.0	5.8	8.6#



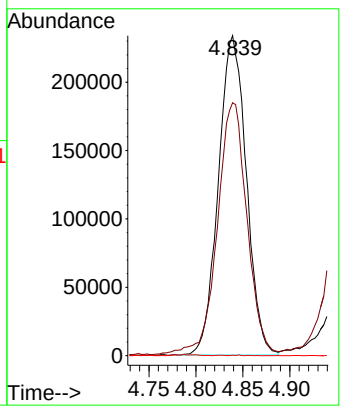


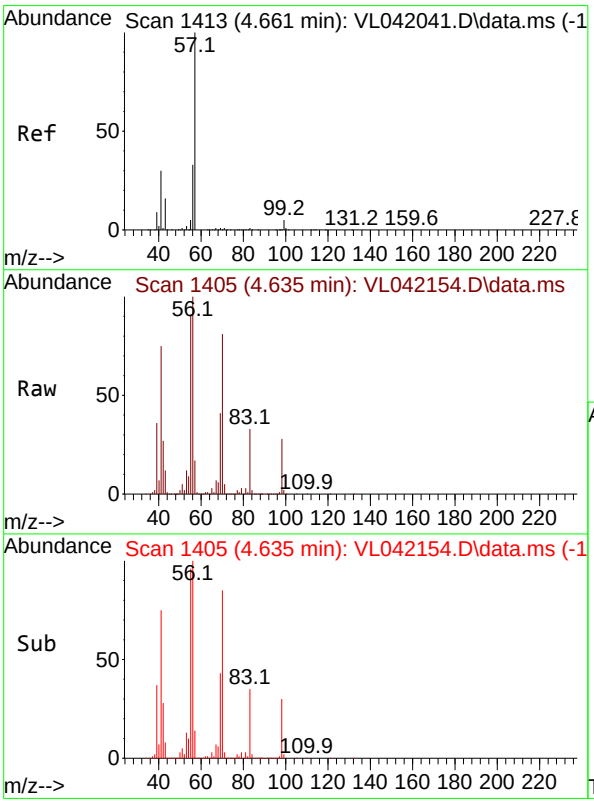
#43
Methyl Methacrylate
Concen: 22.461 ppbv
RT: 4.839 min Scan# 14
Delta R.T. -0.068 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 69 Resp: 483309

Ion	Ratio	Lower	Upper
69	100		
41	82.5	118.2	177.4#
100	0.0	27.0	40.4#

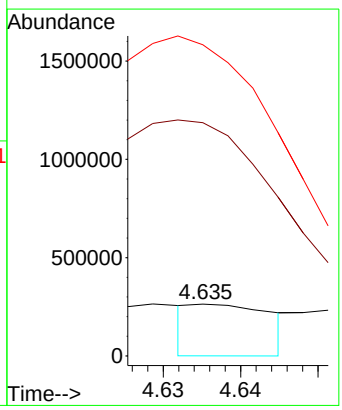


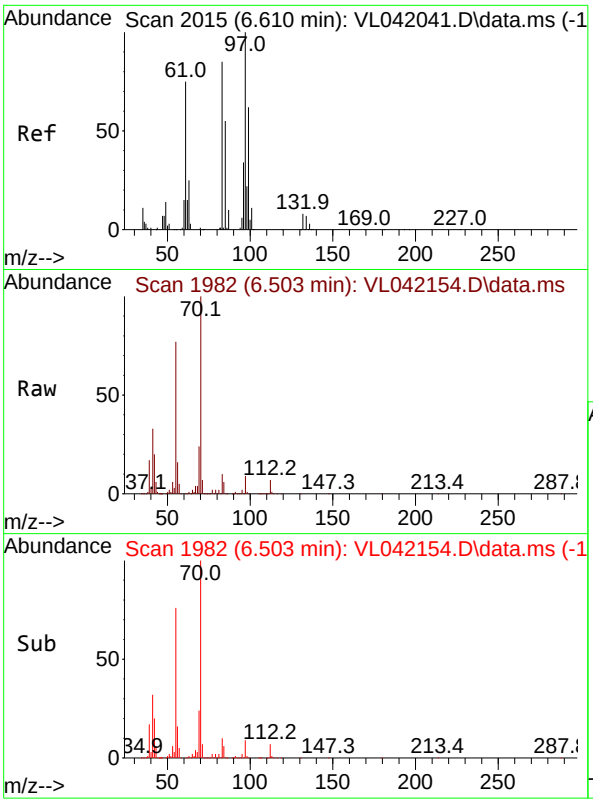


#44
2,2,4-Trimethylpentane
Concen: 1.946 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.026 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 57 Resp: 189214

Ion	Ratio	Lower	Upper
57	100		
41	1788.8	24.4	36.6#
56	2214.0	26.5	39.7#



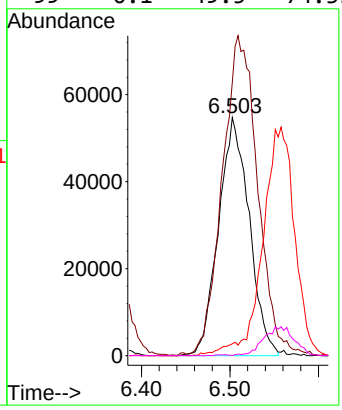


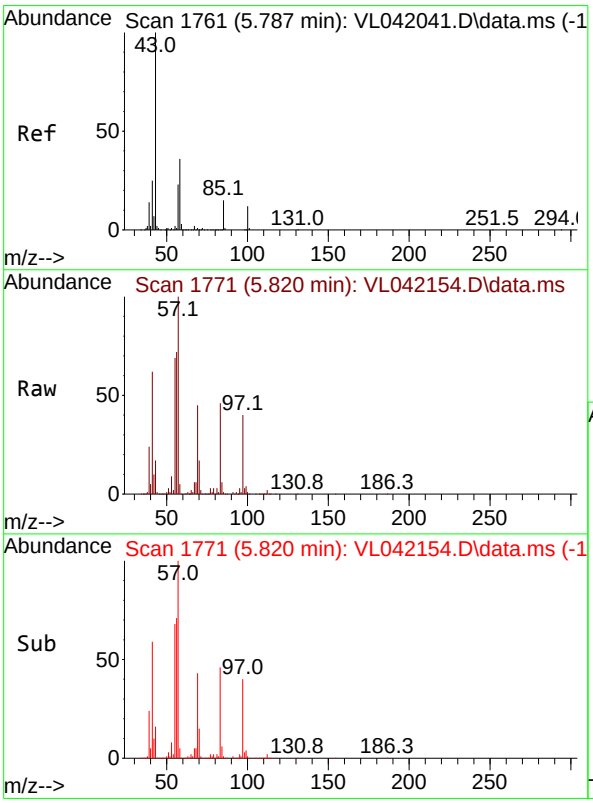
#47
1,1,2-Trichloroethane
Concen: 6.191 ppbv
RT: 6.503 min Scan# 1
Delta R.T. -0.107 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 97 Resp: 131446

Ion	Ratio	Lower	Upper
97	100		
83	114.4	68.1	102.1#
85	5.0	44.0	66.0#
99	0.1	49.5	74.3#

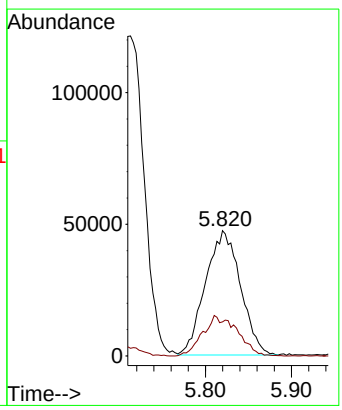


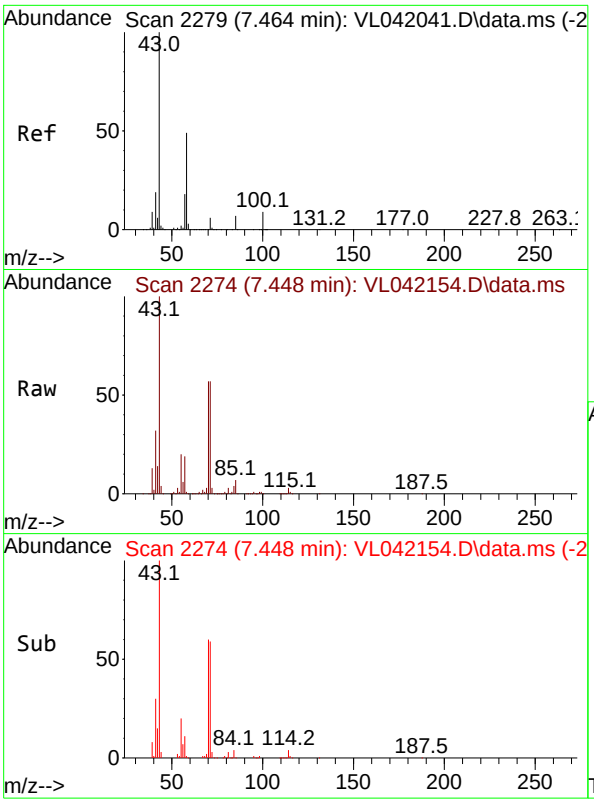


#50
4-Methyl-2-Pentanone
Concen: 2.518 ppbv
RT: 5.820 min Scan# 1771
Delta R.T. 0.032 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 43 Resp: 133553

Ion	Ratio	Lower	Upper
43	100		
58	32.2	29.3	43.9



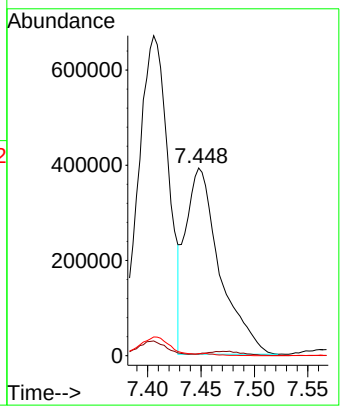


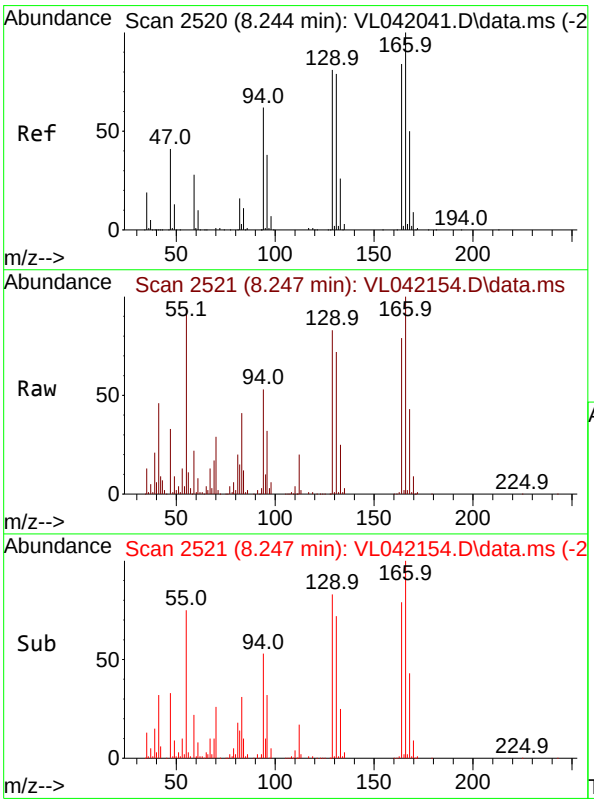
#51
2-Hexanone
Concen: 23.796 ppbv
RT: 7.448 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 43 Resp: 868528

Ion	Ratio	Lower	Upper
43	100		
58	2.6	39.0	58.6#
98	0.0	0.1	0.1#

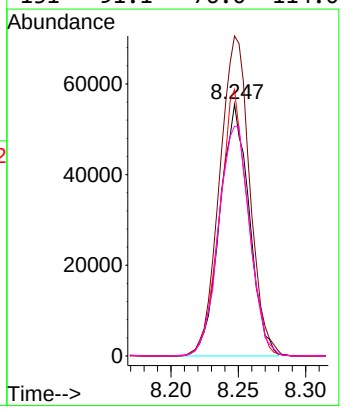


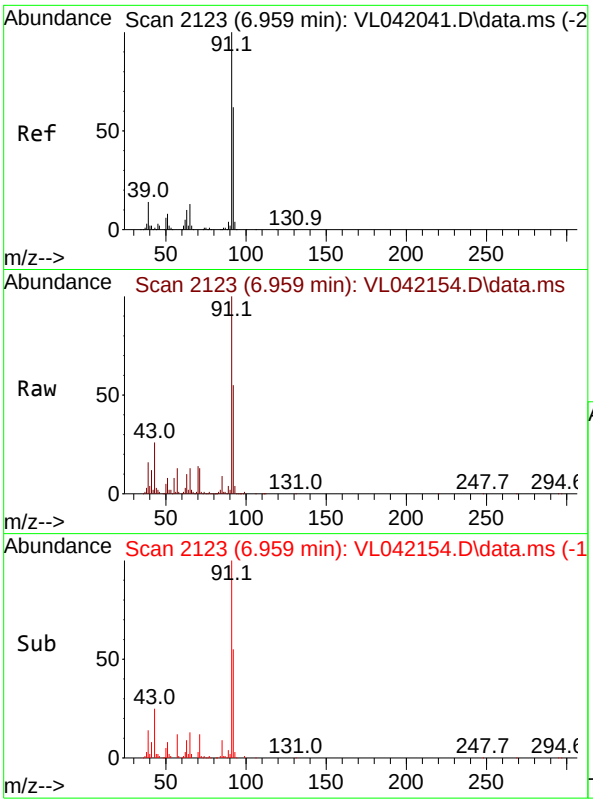


#52
Tetrachloroethene
Concen: 4.465 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:164 Resp: 84220

Ion	Ratio	Lower	Upper
164	100		
166	127.2	95.7	143.5
129	105.7	77.1	115.7
131	91.1	76.0	114.0



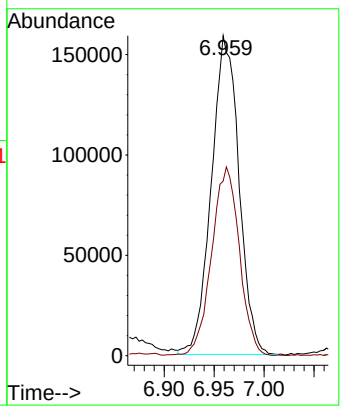


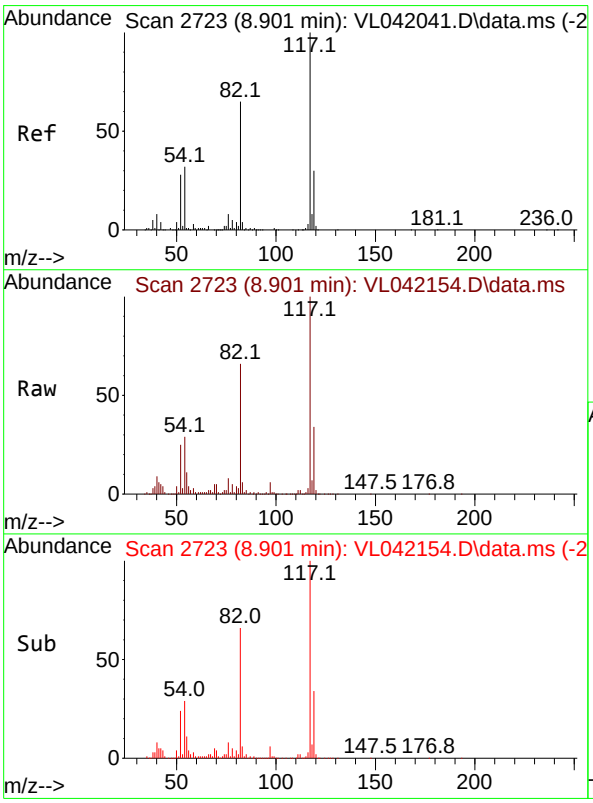
#53
Toluene
Concen: 4.958 ppbv
RT: 6.959 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 91 Resp: 305311

Ion	Ratio	Lower	Upper
91	100		
92	59.5	49.0	73.6

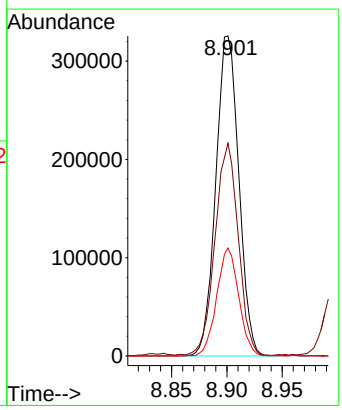


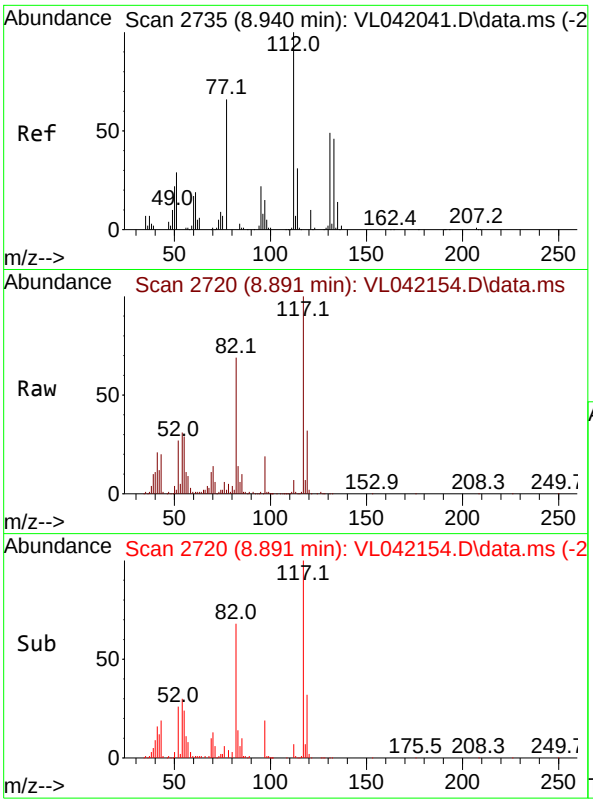


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:117 Resp: 471205

Ion	Ratio	Lower	Upper
117	100		
82	66.6	55.0	82.6
119	32.3	25.9	38.9



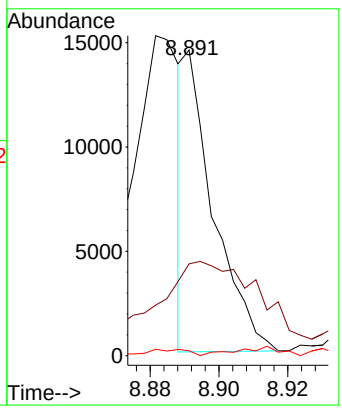


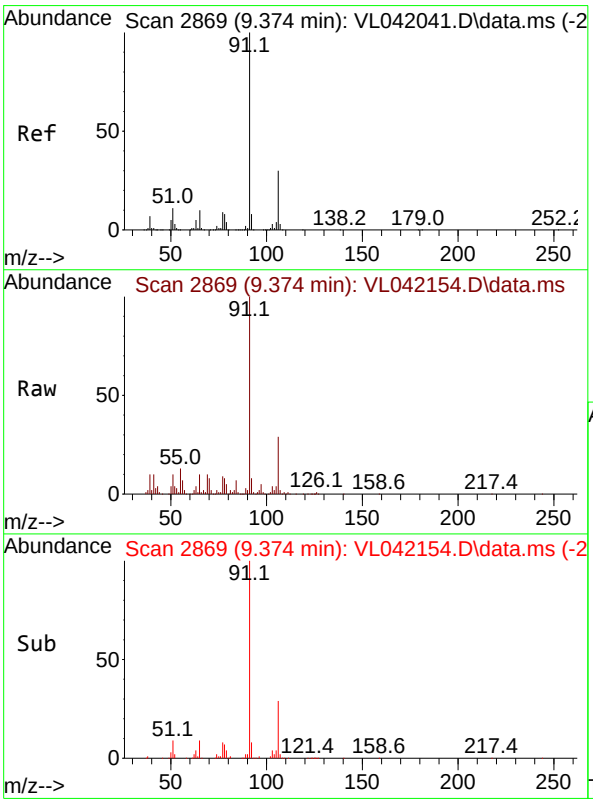
#57
Chlorobenzene
Concen: 0.176 ppbv
RT: 8.891 min Scan# 2
Delta R.T. -0.049 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion:112 Resp: 8584

Ion	Ratio	Lower	Upper
112	100		
77	12.6	53.4	80.2#
114	0.5	28.3	34.5#

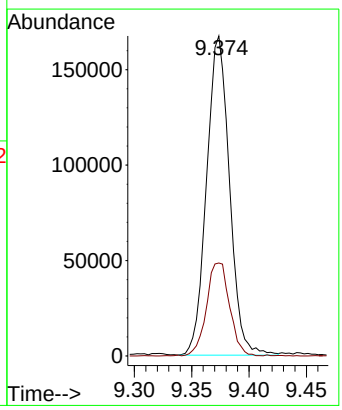


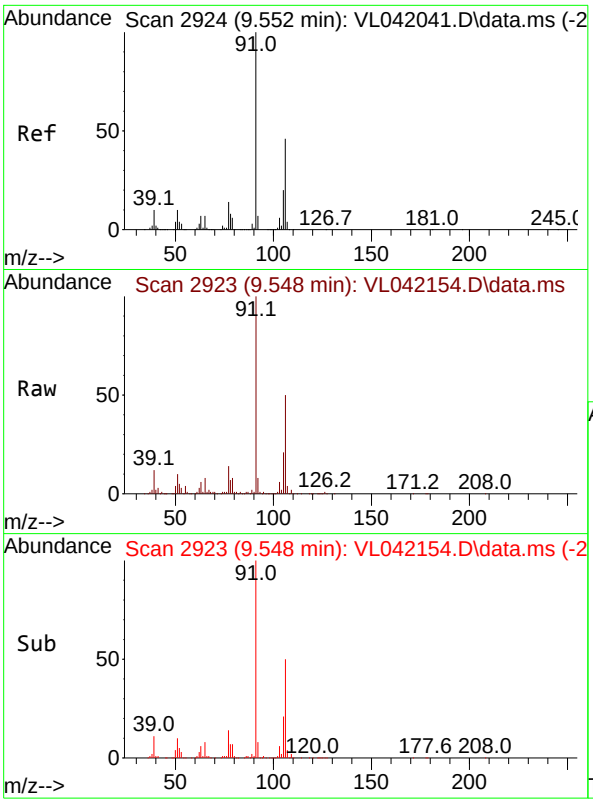


#58
Ethyl Benzene
Concen: 2.675 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 232110

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.2	36.2



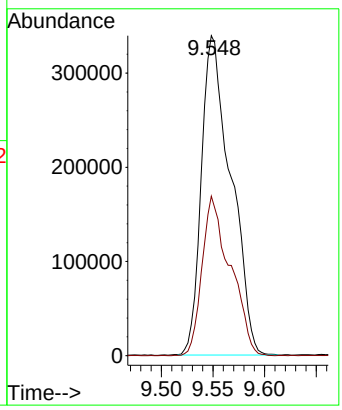


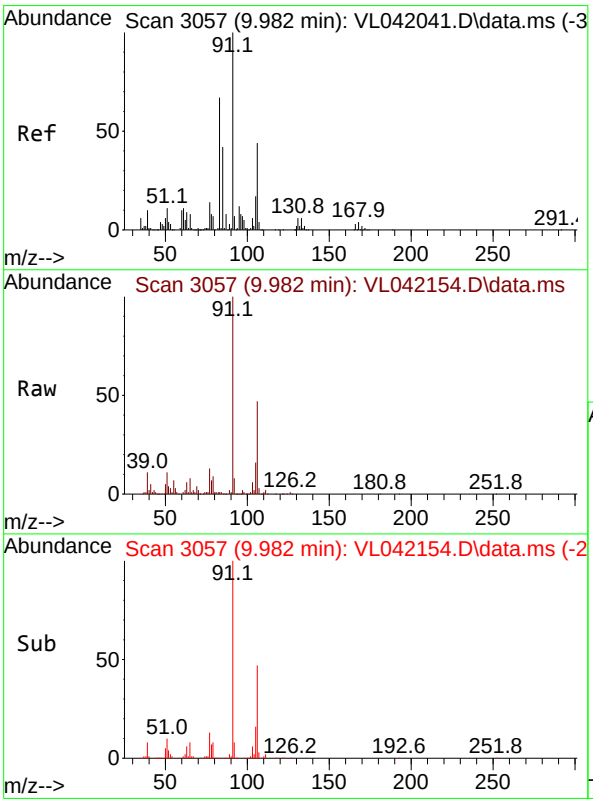
#59
m/p-Xylene
Concen: 9.741 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 91 Resp: 672715

Ion	Ratio	Lower	Upper
91	100		
106	47.9	0.0	0.0#

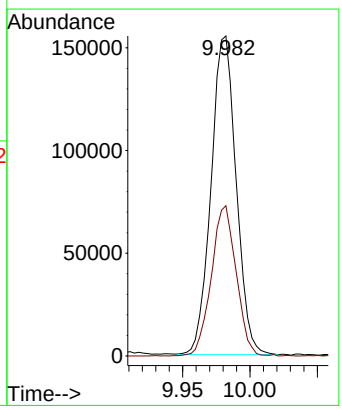


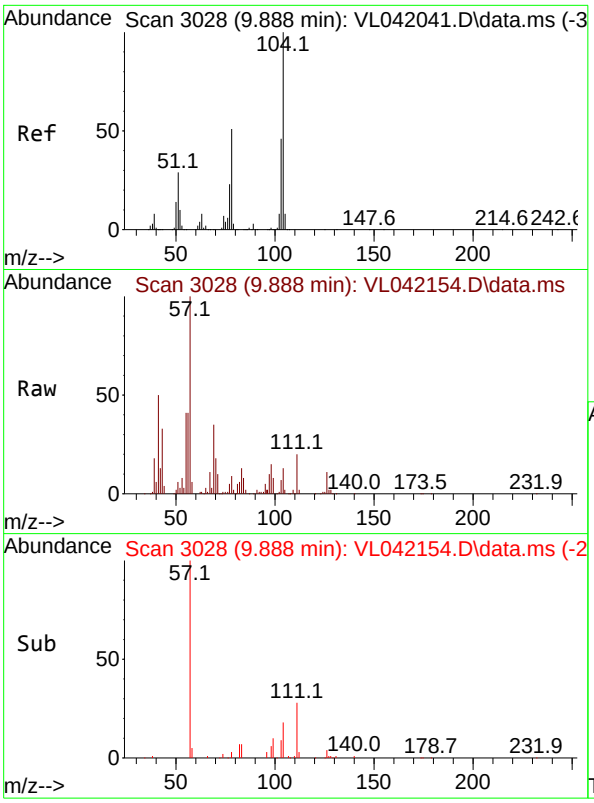


#60
o-Xylene
Concen: 2.898 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 201180

Ion	Ratio	Lower	Upper
91	100		
106	46.7	22.3	66.8



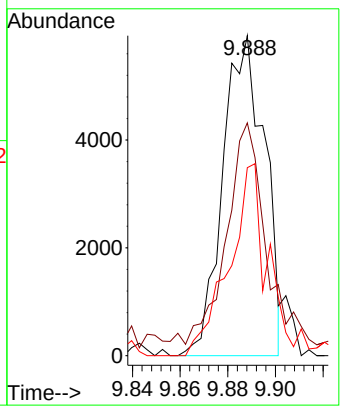


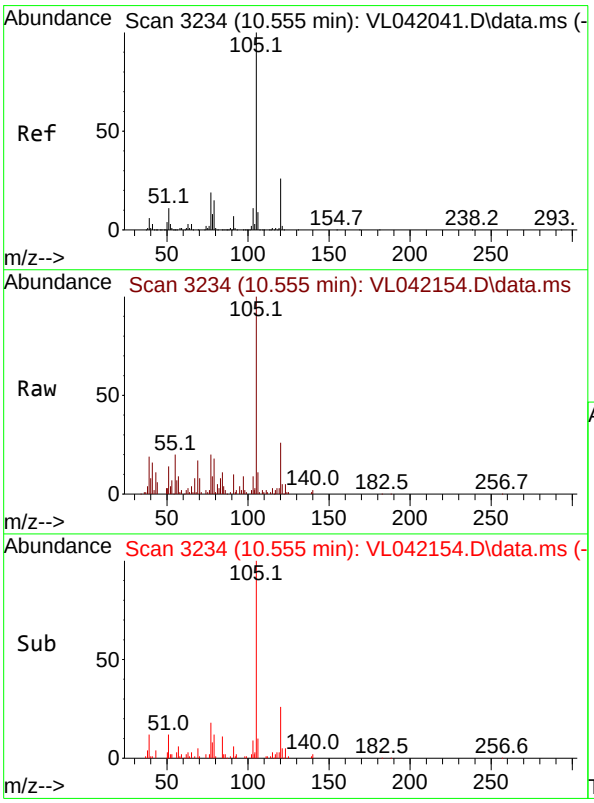
#61
Styrene
Concen: 0.221 ppbv
RT: 9.888 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion:104 Resp: 7224

Ion	Ratio	Lower	Upper
104	100		
78	77.0	41.0	61.4#
103	57.5	37.0	55.6#

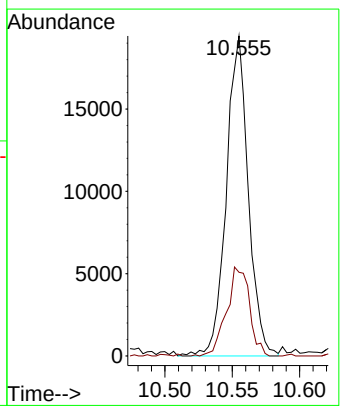


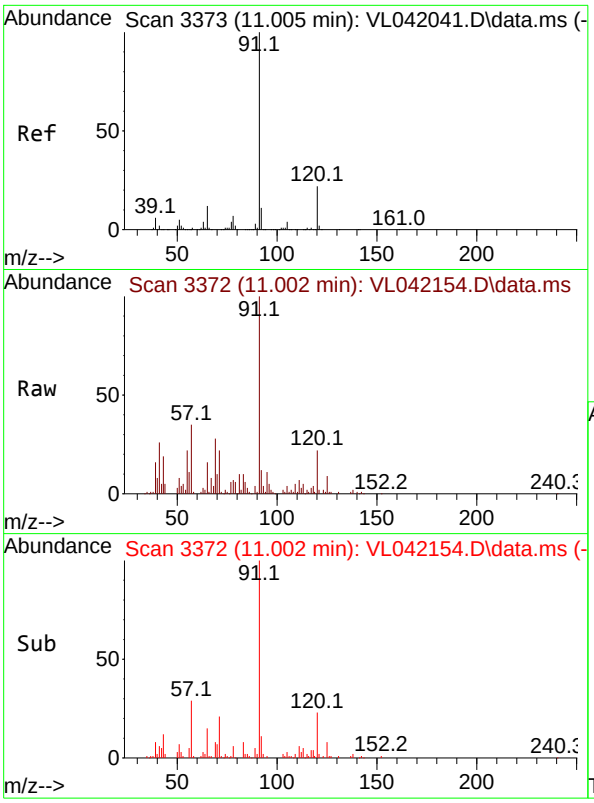


#62
Isopropylbenzene
Concen: 0.212 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 22053

Ion	Ratio	Lower	Upper
105	100		
120	29.4	20.7	31.1



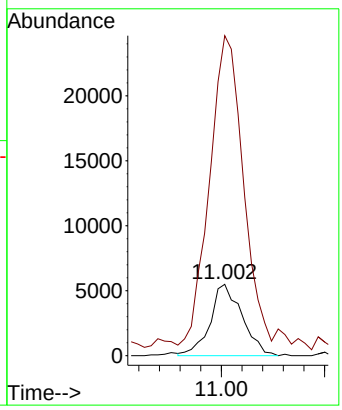


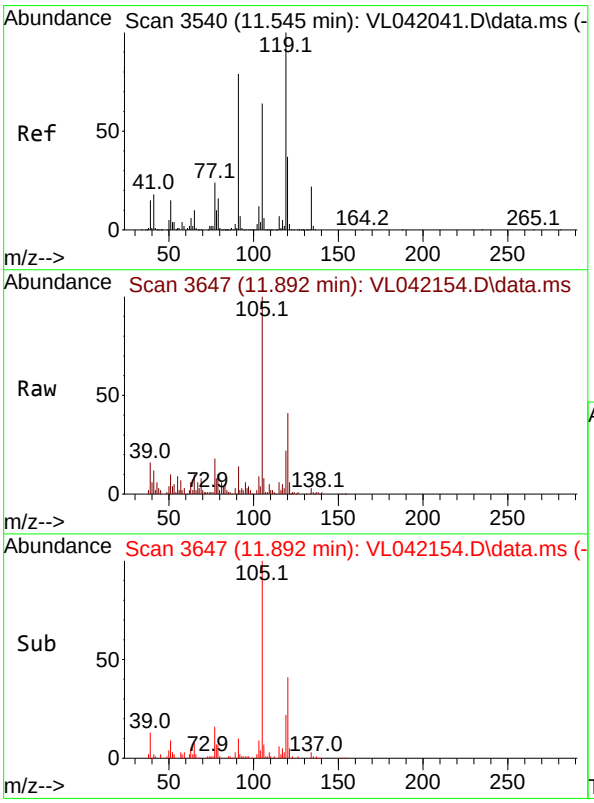
#64
n-propylbenzene
Concen: 0.216 ppbv
RT: 11.002 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion:120 Resp: 5898

Ion	Ratio	Lower	Upper
120	100		
91	507.1	370.6	556.0

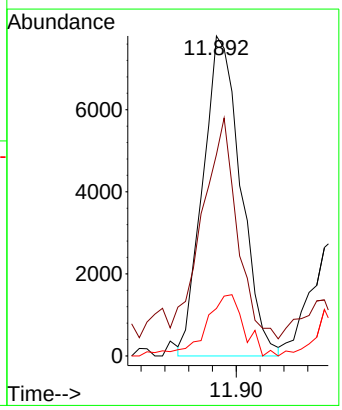


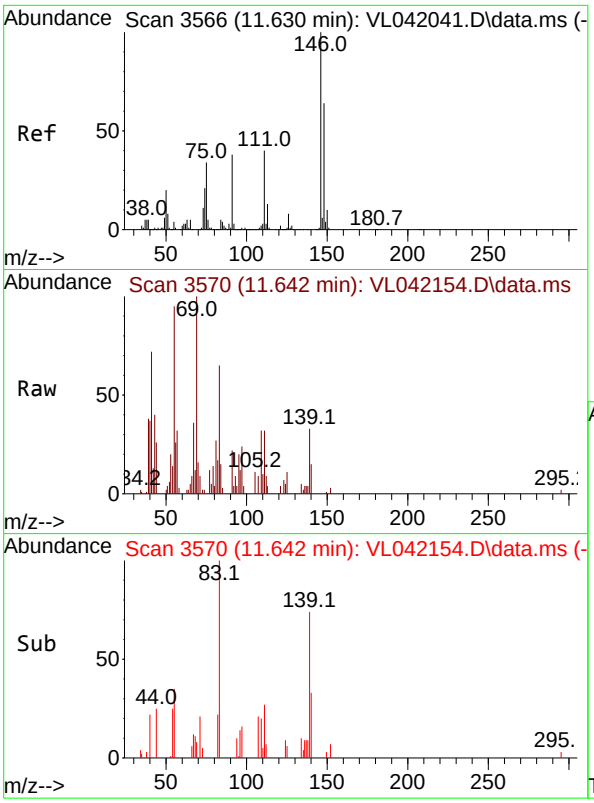


#65
tert-Butylbenzene
Concen: 0.091 ppbv
RT: 11.892 min Scan# 3647
Delta R.T. 0.346 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:119 Resp: 8598

Ion	Ratio	Lower	Upper
119	100		
91	72.4	64.2	96.2
134	19.9	17.4	26.2



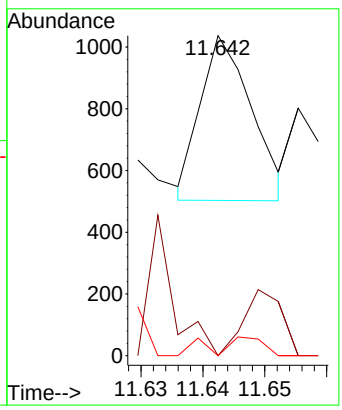


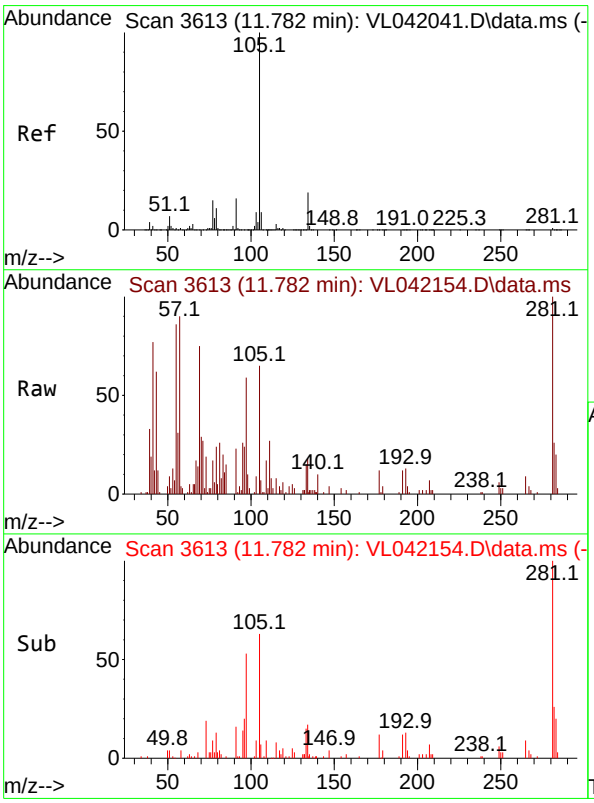
#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 11.642 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 91 Resp: 306

Ion	Ratio	Lower	Upper
91	100		
126	90.8	14.5	21.7#
128	20.9	5.4	8.2#

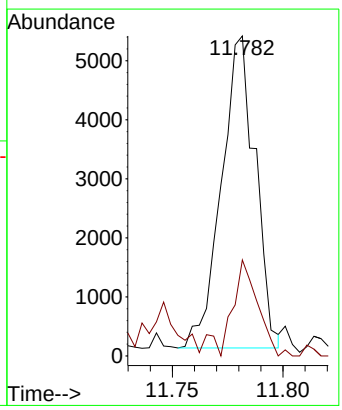


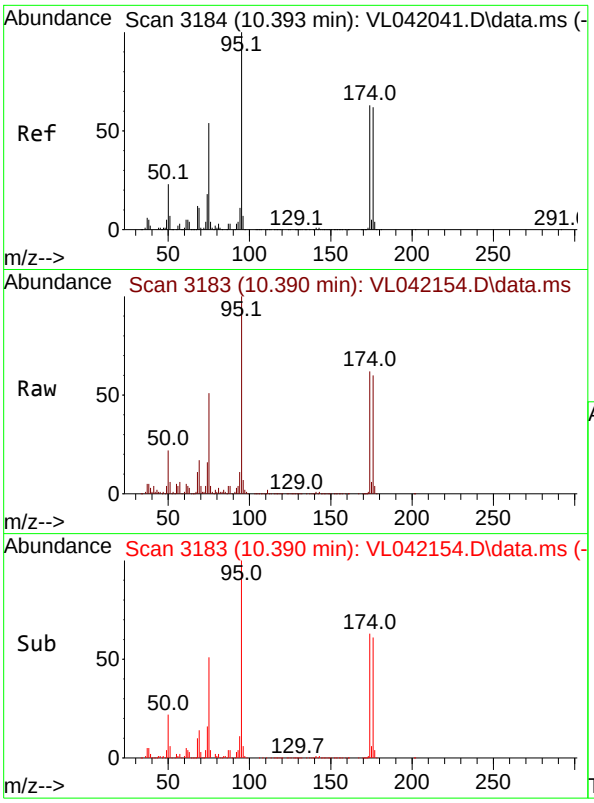


#67
sec-Butylbenzene
Concen: 0.041 ppbv
RT: 11.782 min Scan# 3613
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 5614

Ion	Ratio	Lower	Upper
105	100		
134	41.1	14.9	22.3#



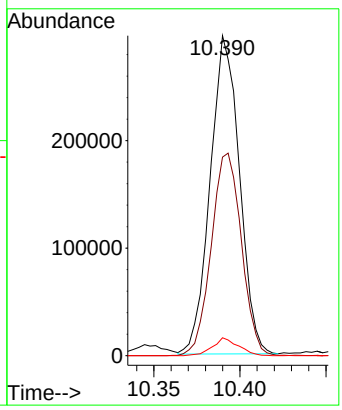


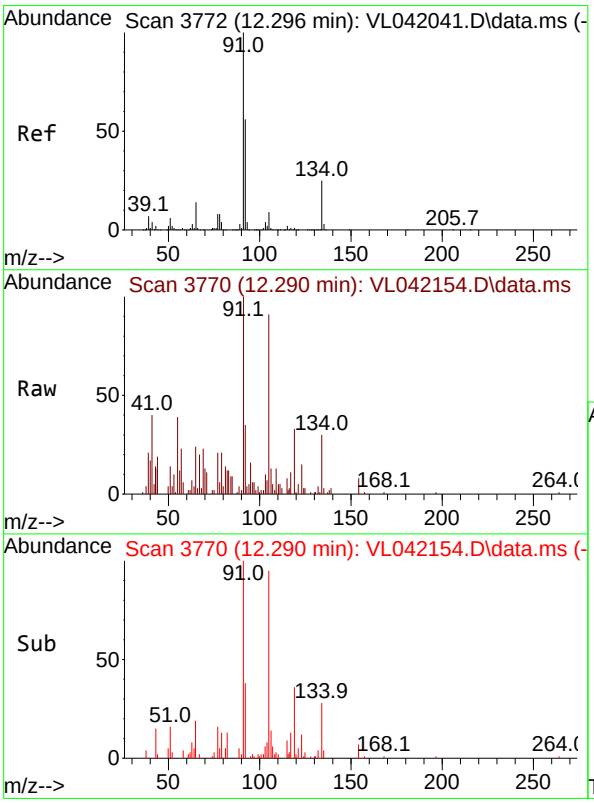
#68
1-Bromo-4-Fluorobenzene
Concen: 9.647 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 95 Resp: 349708

Ion	Ratio	Lower	Upper
95	100		
174	65.7	51.8	77.6
175	5.0	3.9	5.9

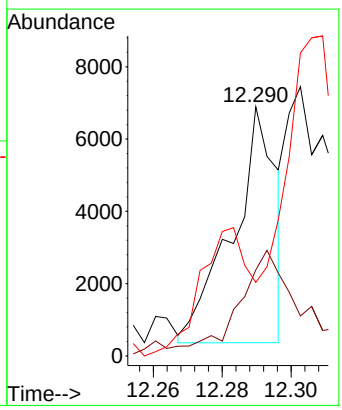


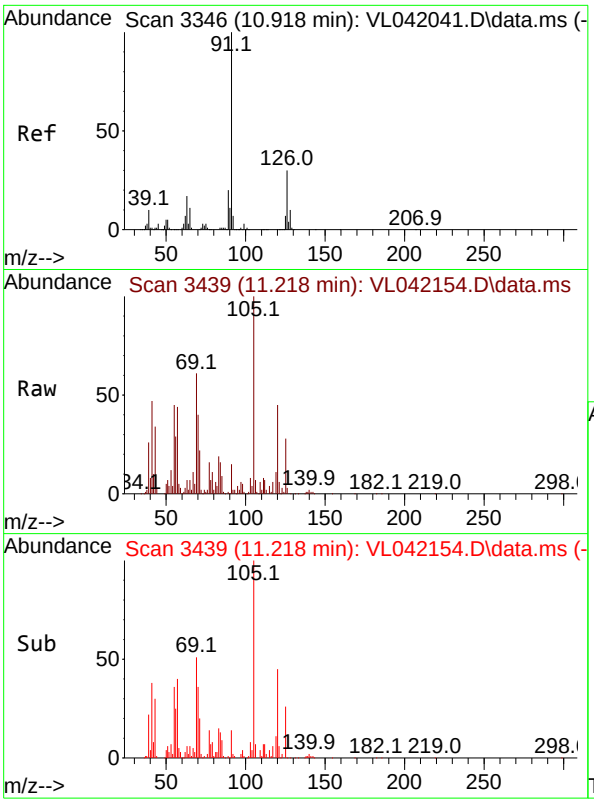


#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.007 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 5711

Ion	Ratio	Lower	Upper
91	100		
92	75.8	44.7	67.1#
134	0.0	18.9	28.3#



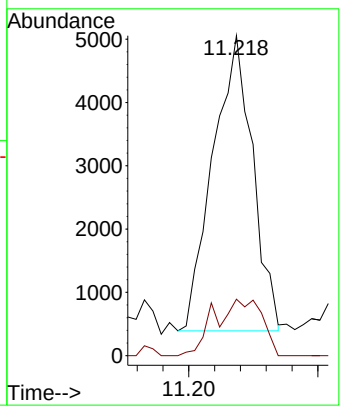


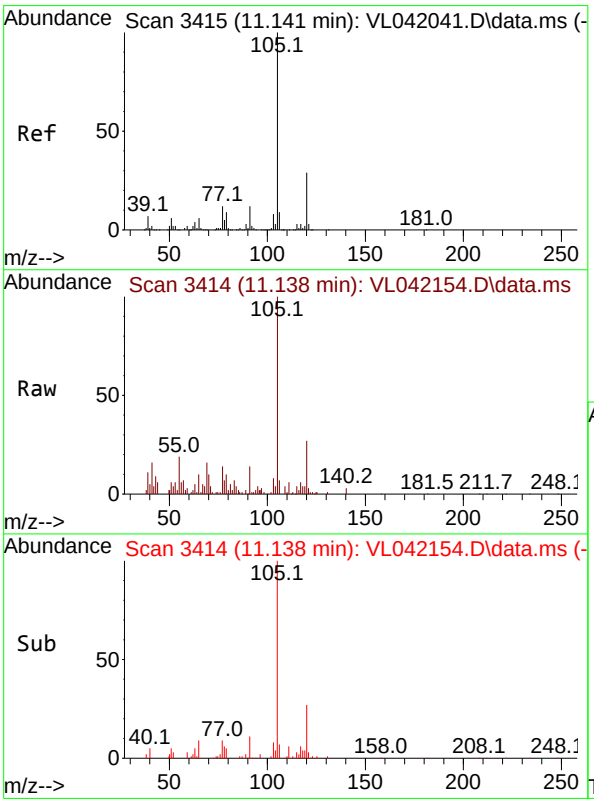
#71
2-Chlorotoluene
Concen: 0.062 ppbv
RT: 11.218 min Scan# 34
Delta R.T. 0.301 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion: 91 Resp: 4983

Ion	Ratio	Lower	Upper
91	100		
126	24.1	11.9	47.5

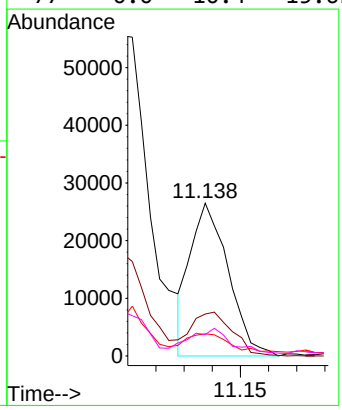


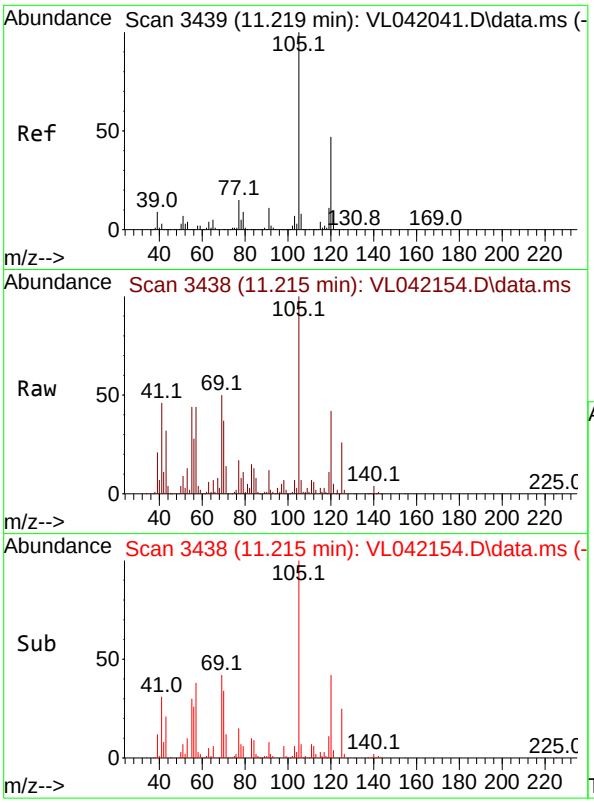


#72
4-Ethyltoluene
Concen: 0.294 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 24902

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.1	36.1#
91	0.0	10.2	15.4#
77	0.0	10.4	15.6#



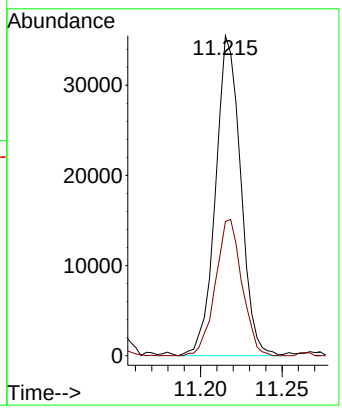


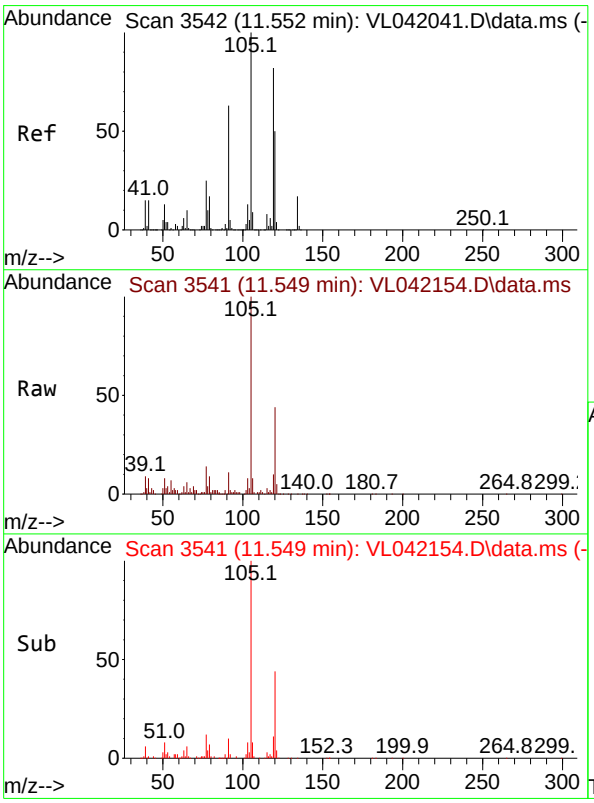
#73
1,3,5-Trimethylbenzene
Concen: 0.517 ppbv
RT: 11.215 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

Tgt Ion:105 Resp: 38025

Ion	Ratio	Lower	Upper
105	100		
120	41.9	37.4	56.0

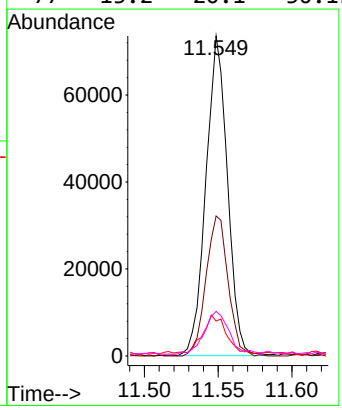




#74
1,2,4-Trimethylbenzene
Concen: 0.902 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 74719

Ion	Ratio	Lower	Upper
105	100		
120	43.8	40.2	60.2
91	9.9	51.4	77.2#
77	13.2	20.1	30.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042155.D
Acq On : 17 Mar 2025 13:37
Operator : SY/MD
Sample : Q1586-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Quant Time: Mar 18 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

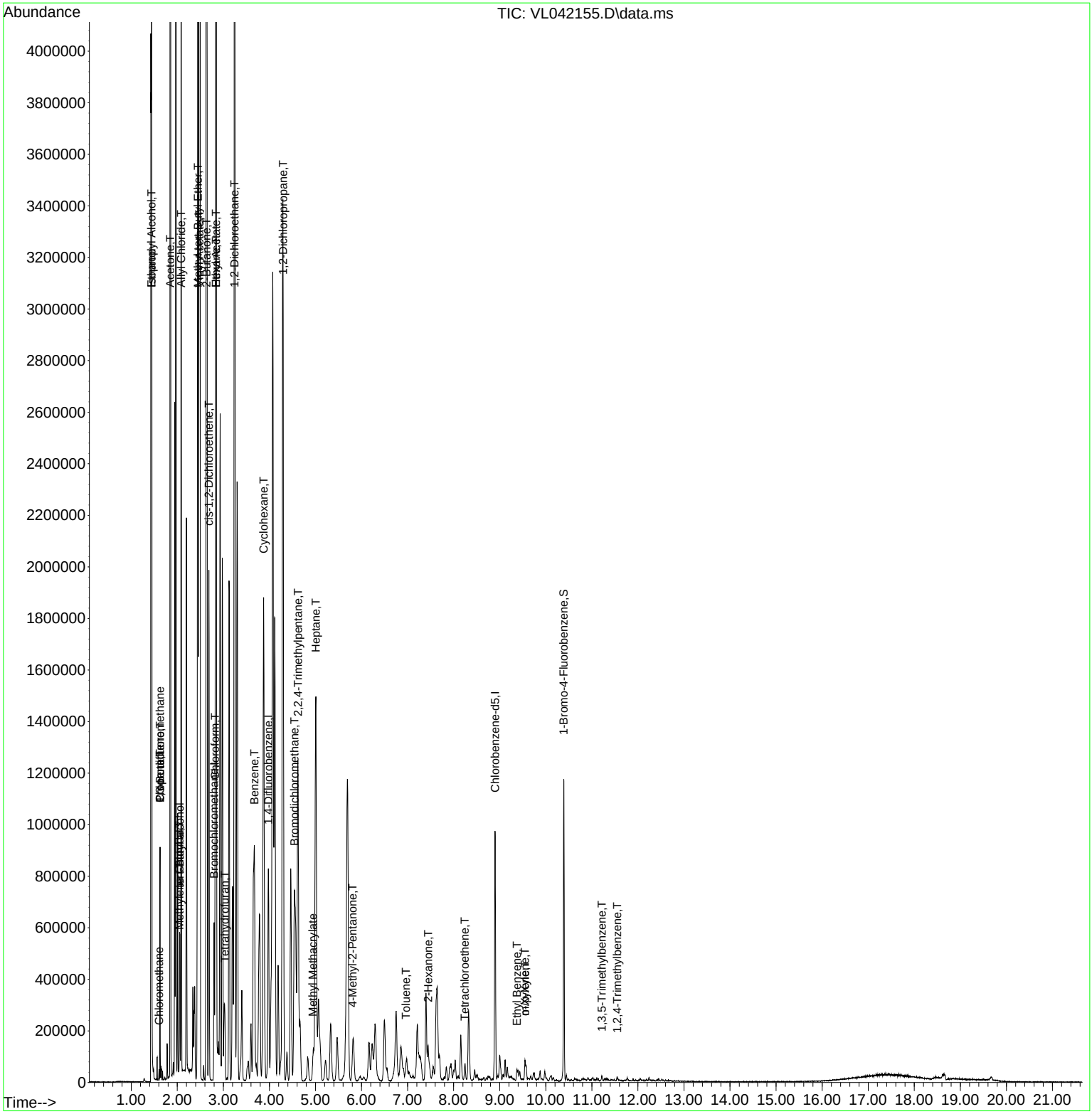
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	177355	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	461268	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.901	117	407257	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	297836	9.506	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.100%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	1.625	51	4852	0.188	ppbv	#	89
4) Chloromethane	1.602	50	884	0.130	ppbv	#	57
9) Propene	1.625	41	86354	8.223	ppbv	#	15
10) Heptane	5.007	43	679876	20.794	ppbv		98
13) Ethanol	1.441	45	225846	338.797	ppbv	#	1
15) Acetone	1.848	43	2071622	132.268	ppbv	#	60
16) 1,3-Butadiene	1.625	39	39324	5.395	ppbv	#	12
17) tert-Butyl alcohol	2.052	59	1393	0.071	ppbv	#	70
19) Isopropyl Alcohol	1.441	45	225846	25.103	ppbv	#	52
20) Methylene Chloride	2.049	84	8490	1.433	ppbv	#	9
21) Allyl Chloride	2.085	41	430112	38.007	ppbv	#	51
23) Vinyl Acetate	2.483	43	3961961	359.757	ppbv	#	23
25) Ethyl Acetate	2.839	43	2224980	35.491	ppbv	#	76
26) Hexane	2.839	57	2899377	114.396	ppbv	#	34
28) Methyl tert-Butyl Ether	2.447	73	529	0.042	ppbv	#	54
29) Chloroform	2.819	83	1153	0.034	ppbv	#	1
30) Cyclohexane	3.875	84	551515	26.810	ppbv	#	90
31) cis-1,2-Dichloroethene	2.687	61	1701	0.071	ppbv	#	25
34) 2-Butanone	2.635	43	1265953	35.228	ppbv	#	55
36) Benzene	3.674	78	534931	11.078	ppbv		97
37) 1,2-Dichloroethane	3.243	62	5606	0.209	ppbv	#	79
39) 1,2-Dichloropropane	4.299	63	3570	0.195	ppbv	#	1
41) Tetrahydrofuran	3.030	42	36213	1.705	ppbv	#	38
42) Bromodichloromethane	4.545	83	65960	1.829	ppbv	#	25
43) Methyl Methacrylate	4.939	69	3047	0.162	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.619	57	44149	0.518	ppbv	#	1
50) 4-Methyl-2-Pentanone	5.804	43	4976	0.107	ppbv	#	38
51) 2-Hexanone	7.448	43	39007	1.219	ppbv	#	37
52) Tetrachloroethene	8.241	164	8686	0.525	ppbv	#	77
53) Toluene	6.962	91	26788	0.496	ppbv		99
58) Ethyl Benzene	9.374	91	16465	0.220	ppbv		95
59) m/p-Xylene	9.548	91	50752	0.850	ppbv	#	100
60) o-Xylene	9.548	91	50752	0.846	ppbv		92
73) 1,3,5-Trimethylbenzene	11.215	105	2873	0.045	ppbv		91
74) 1,2,4-Trimethylbenzene	11.552	105	4923	0.069	ppbv	#	57

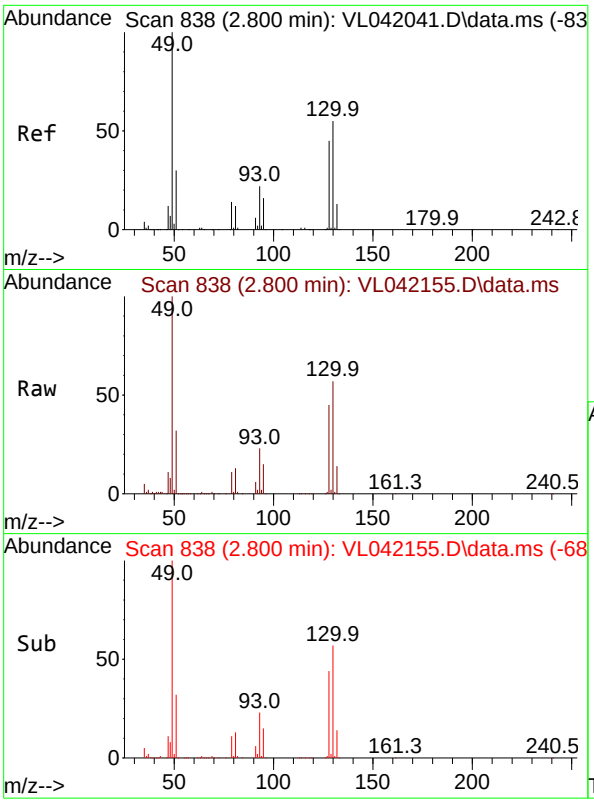
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042155.D
Acq On : 17 Mar 2025 13:37
Operator : SY/MD
Sample : Q1586-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Quant Time: Mar 18 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



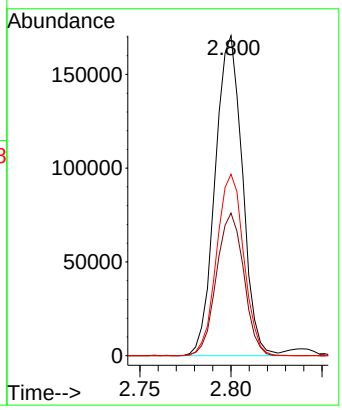


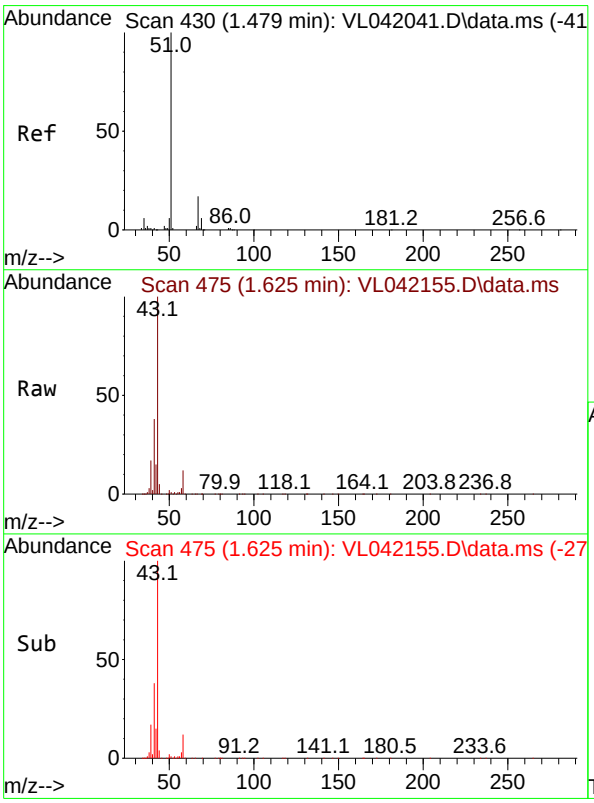
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 49 Resp: 177355

Ion	Ratio	Lower	Upper
49	100		
128	44.7	21.6	64.8
130	56.6	27.8	83.4

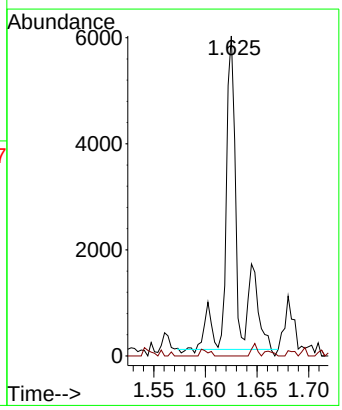


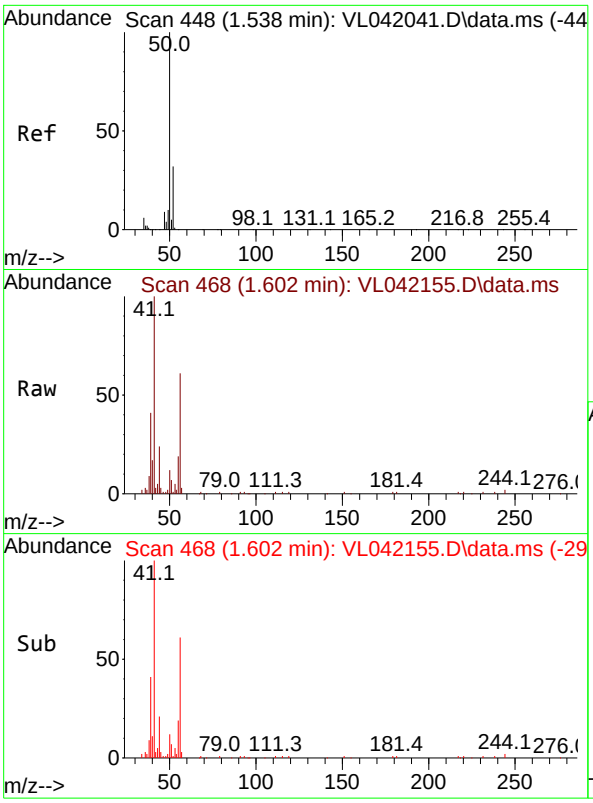


#3
Chlorodifluoromethane
Concen: 0.188 ppbv
RT: 1.625 min Scan# 475
Delta R.T. 0.146 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 51 Resp: 4852

Ion	Ratio	Lower	Upper
51	100		
67	12.2	13.7	20.5#



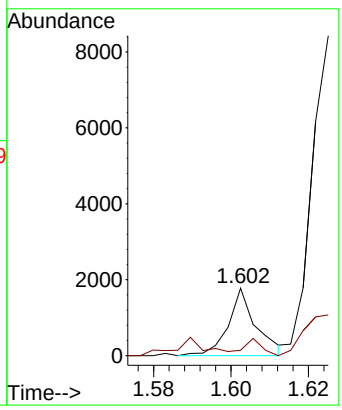


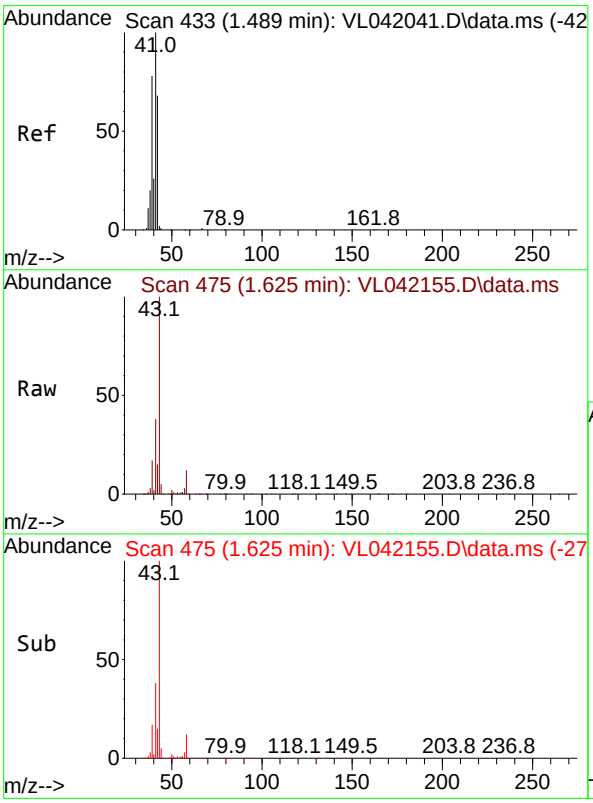
#4
Chloromethane
Concen: 0.130 ppbv
RT: 1.602 min Scan# 4
Delta R.T. 0.065 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 50 Resp: 884

Ion	Ratio	Lower	Upper
50	100		
52	8.1	25.4	38.0#

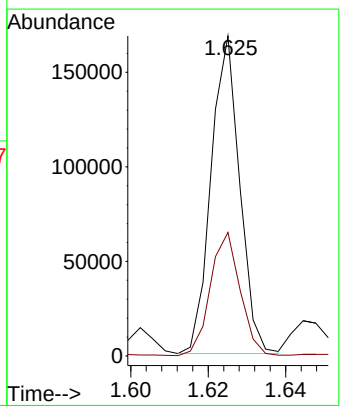


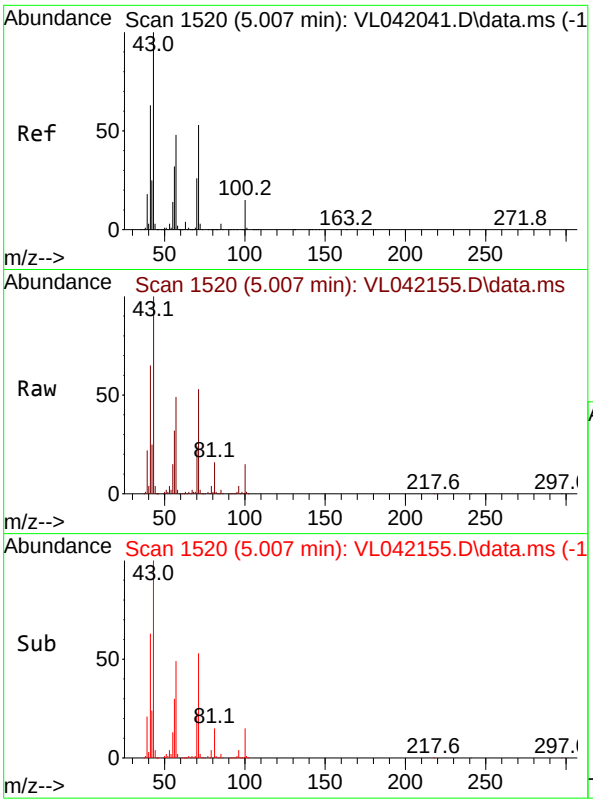


#9
Propene
Concen: 8.223 ppbv
RT: 1.625 min Scan# 475
Delta R.T. 0.136 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 41 Resp: 86354

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.8	83.6#



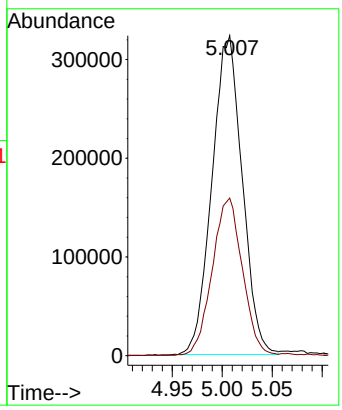


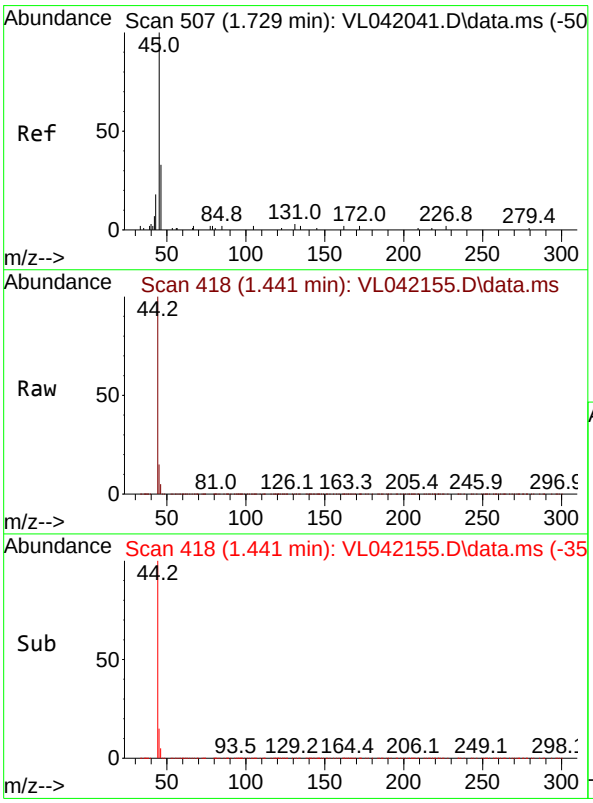
#10
Heptane
Concen: 20.794 ppbv
RT: 5.007 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 43 Resp: 679876

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.4	59.0

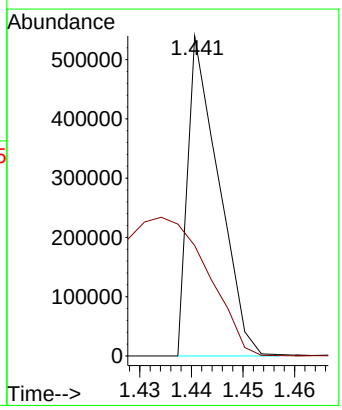


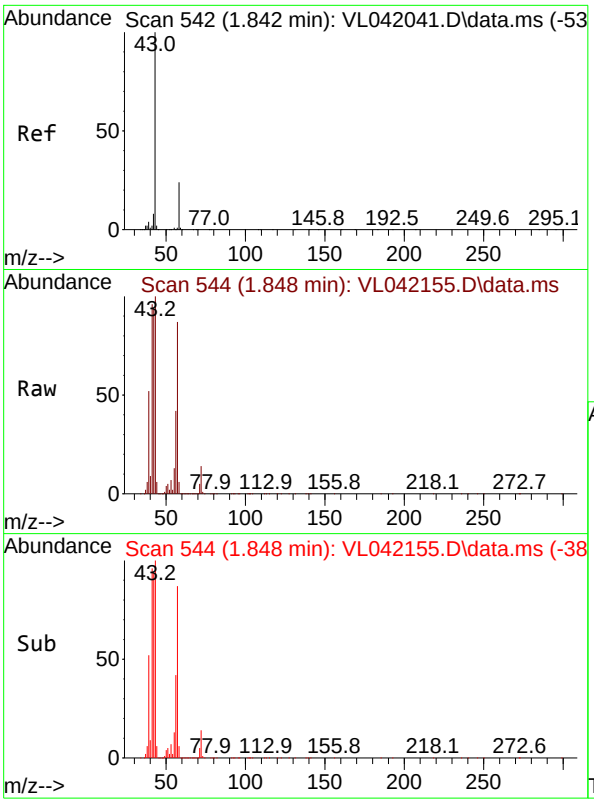


#13
Ethanol
Concen: 338.797 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.288 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 45 Resp: 225846

Ion	Ratio	Lower	Upper
45	100		
46	124.2	17.1	68.3#



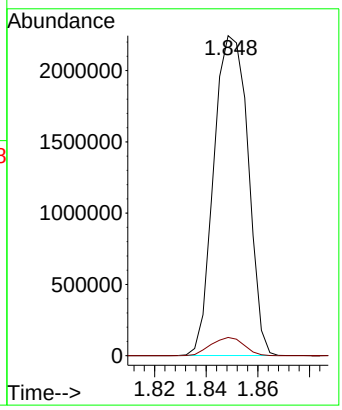


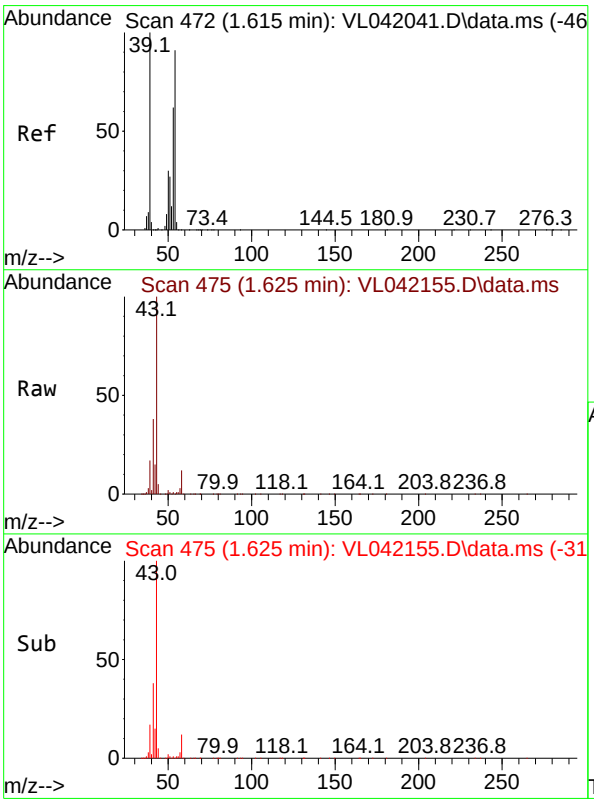
#15
Acetone
Concen: 132.268 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 43 Resp: 2071622

Ion	Ratio	Lower	Upper
43	100		
58	5.5	20.7	31.1#

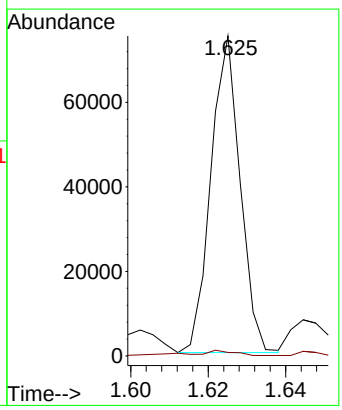


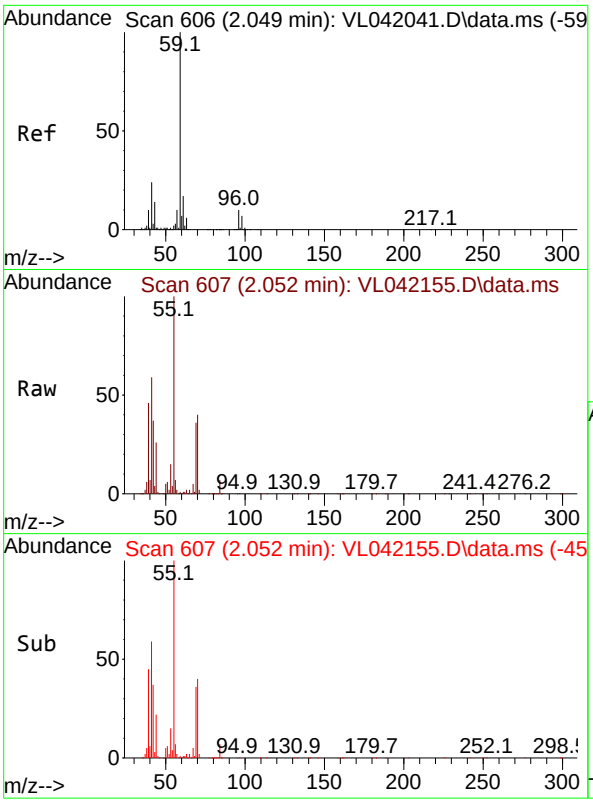


#16
1,3-Butadiene
Concen: 5.395 ppbv
RT: 1.625 min Scan# 475
Delta R.T. 0.010 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 39 Resp: 39324

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.6	89.4#



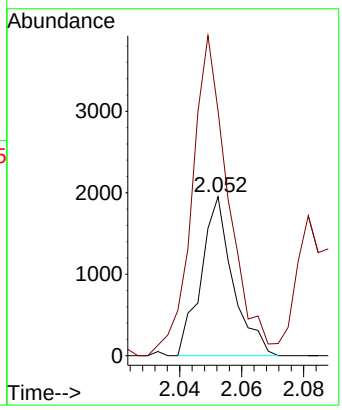


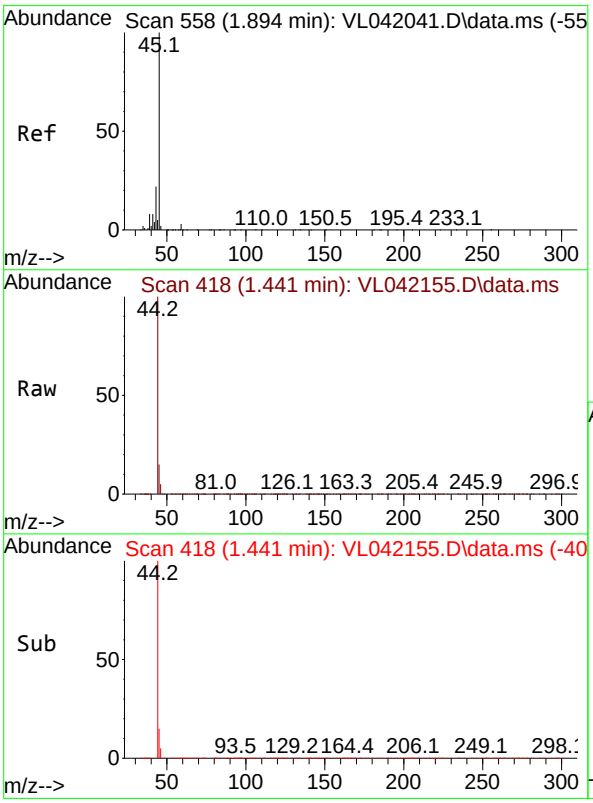
#17
tert-Butyl alcohol
Concen: 0.071 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 59 Resp: 1393

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

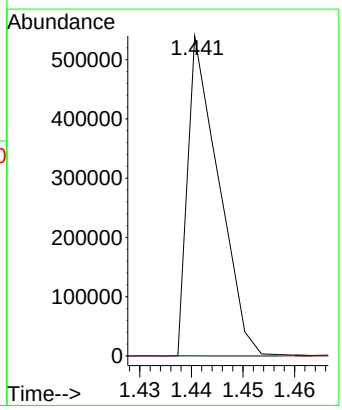


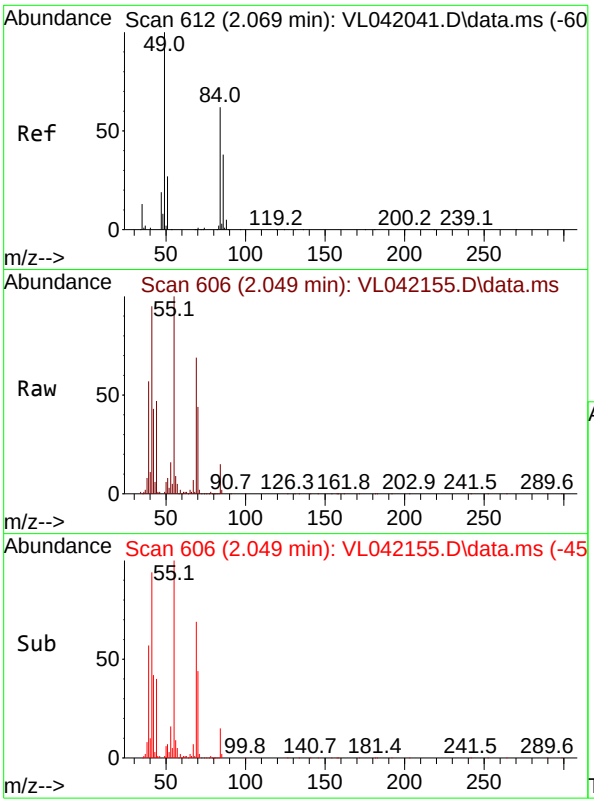


#19
Isopropyl Alcohol
Concen: 25.103 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.453 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 45 Resp: 225846

Ion	Ratio	Lower	Upper
45	100		
58	13.1	35.3	52.9#



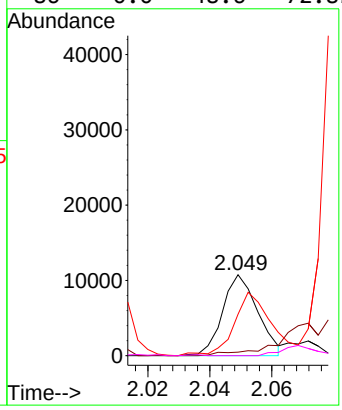


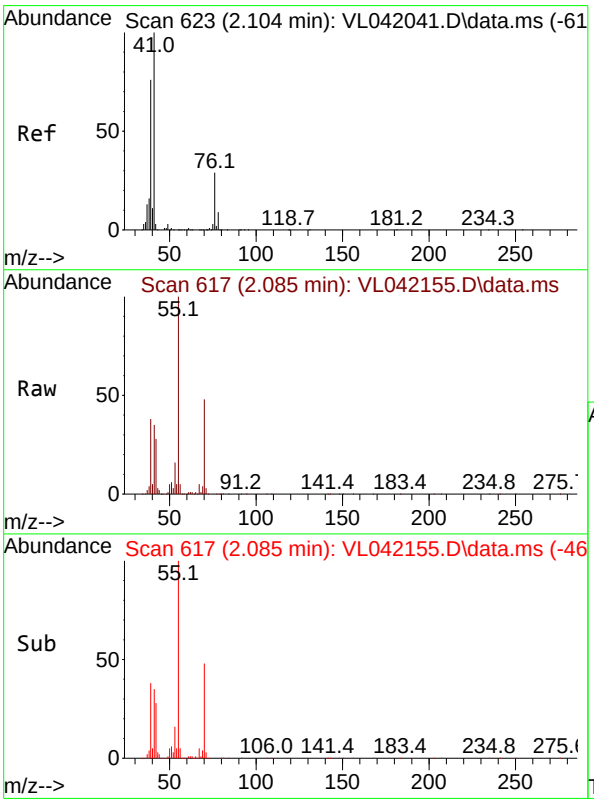
#20
Methylene Chloride
Concen: 1.433 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.019 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 84 Resp: 8490

Ion	Ratio	Lower	Upper
84	100		
49	4.5	130.0	195.0#
51	51.1	37.4	56.0
86	0.0	48.6	72.8#

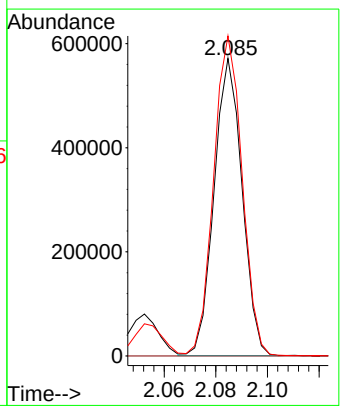


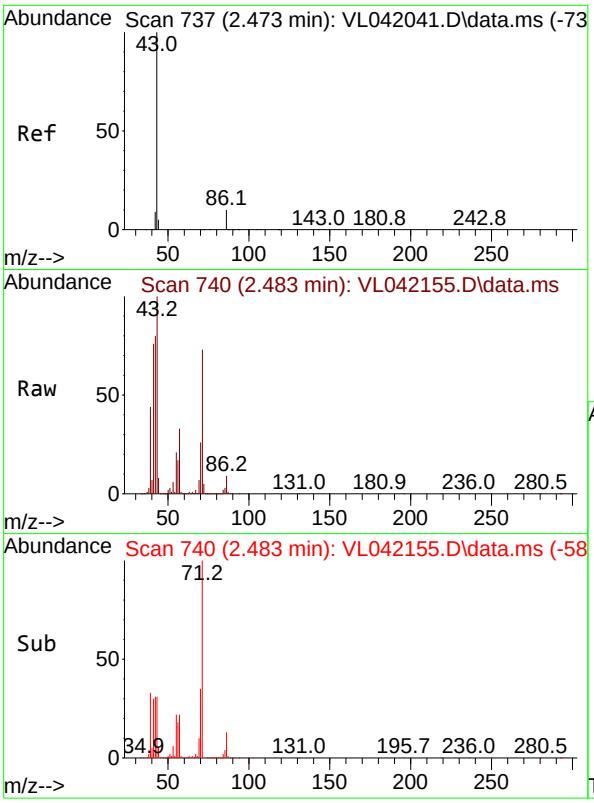


#21
Allyl Chloride
Concen: 38.007 ppbv
RT: 2.085 min Scan# 617
Delta R.T. -0.019 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 41 Resp: 430112

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.8	35.6#
39	121.4	63.8	95.6#



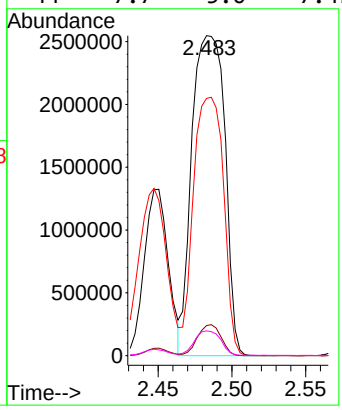


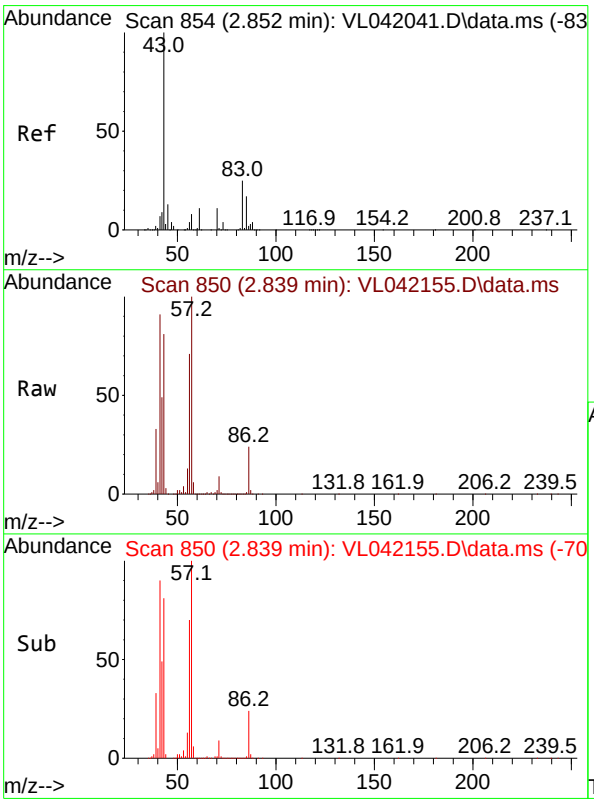
#23
Vinyl Acetate
Concen: 359.757 ppbv
RT: 2.483 min Scan# 74
Delta R.T. 0.010 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 43 Resp: 3961961

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.0	10.4
42	80.4	7.6	11.4#
44	7.7	5.0	7.4#

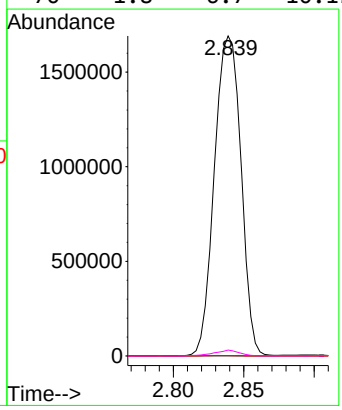


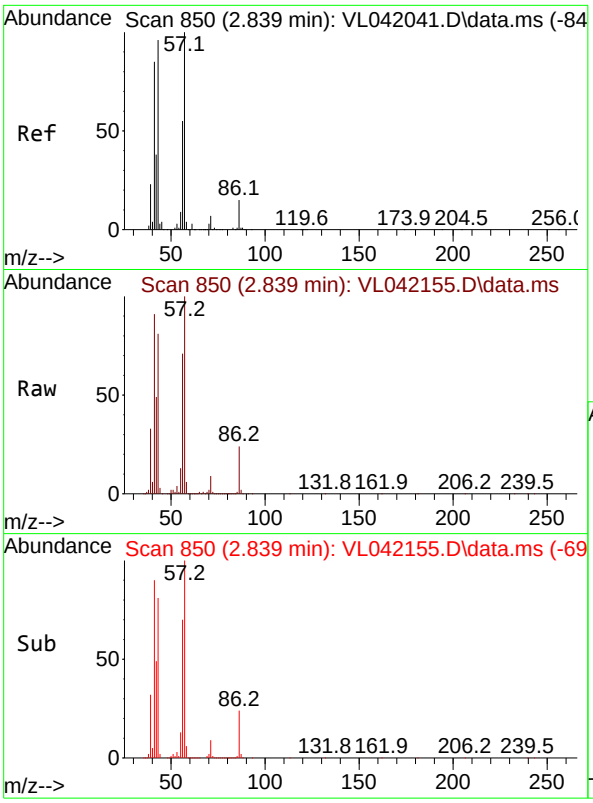


#25
Ethyl Acetate
Concen: 35.491 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.013 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 43 Resp: 2224980

Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.1	12.1#
61	0.1	7.2	10.8#
70	1.8	6.7	10.1#



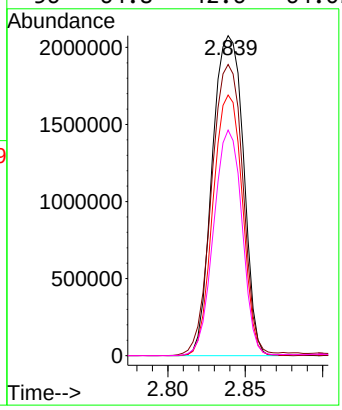


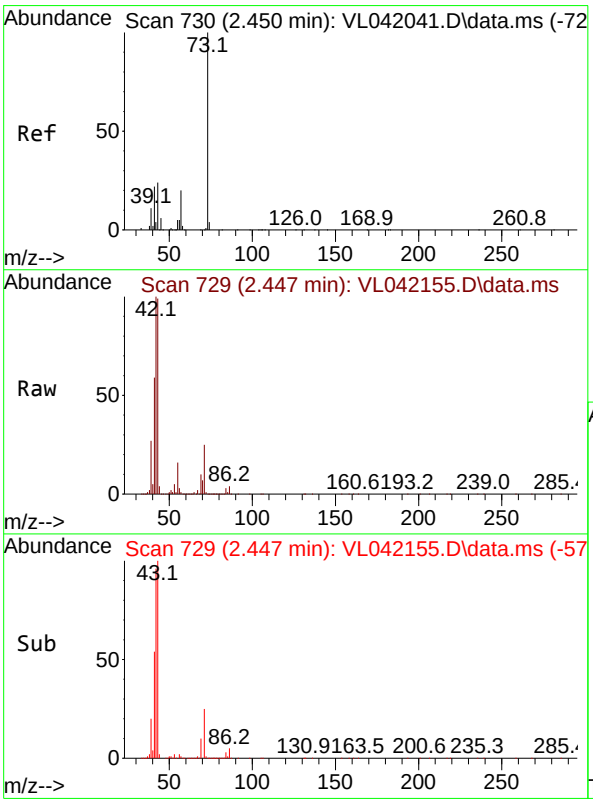
#26
Hexane
Concen: 114.396 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 57 Resp: 2899377

Ion	Ratio	Lower	Upper
57	100		
41	92.5	70.6	106.0
43	76.8	199.4	299.0#
56	64.8	42.6	64.0#

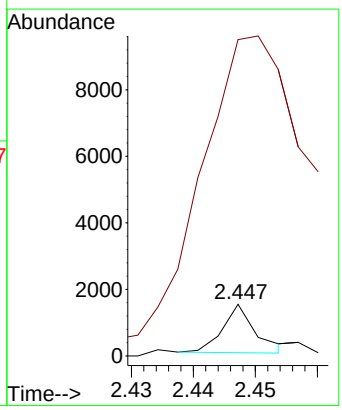


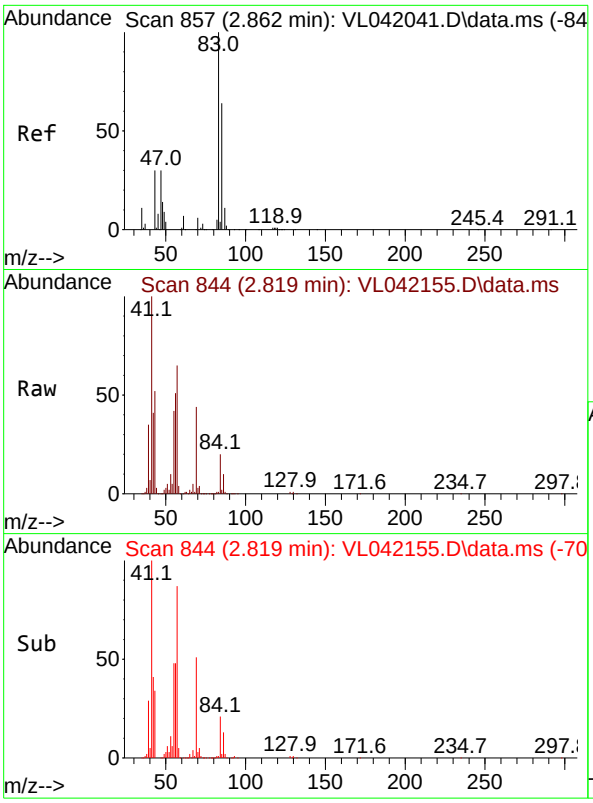


#28
Methyl tert-Butyl Ether
Concen: 0.042 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 73 Resp: 529

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.7	26.5#



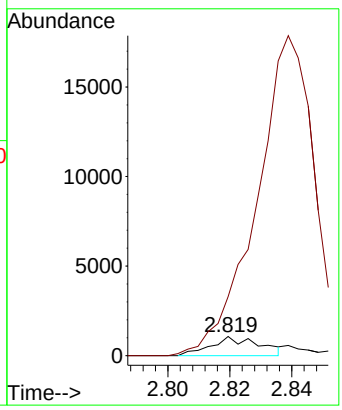


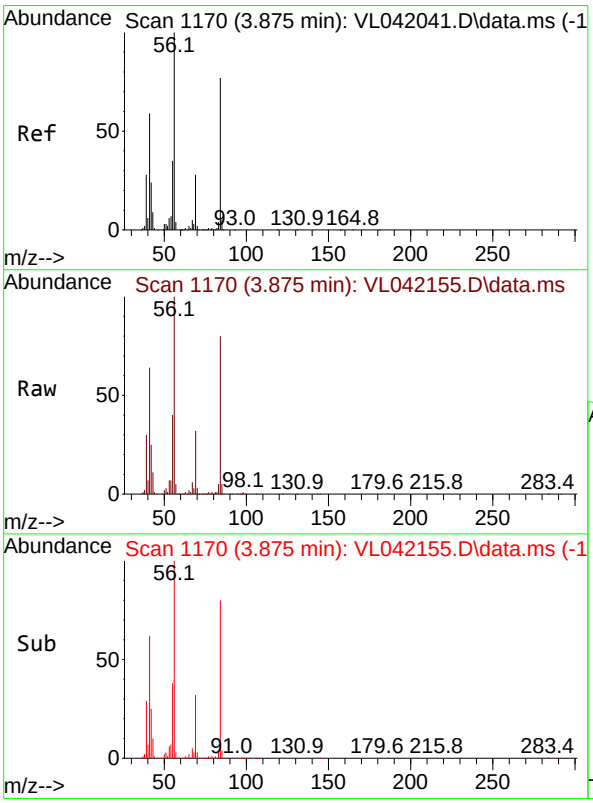
#29
Chloroform
Concen: 0.034 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.042 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 83 Resp: 1153

Ion	Ratio	Lower	Upper
83	100		
85	296.8	51.2	76.8#

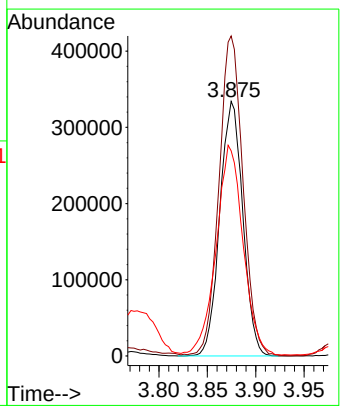


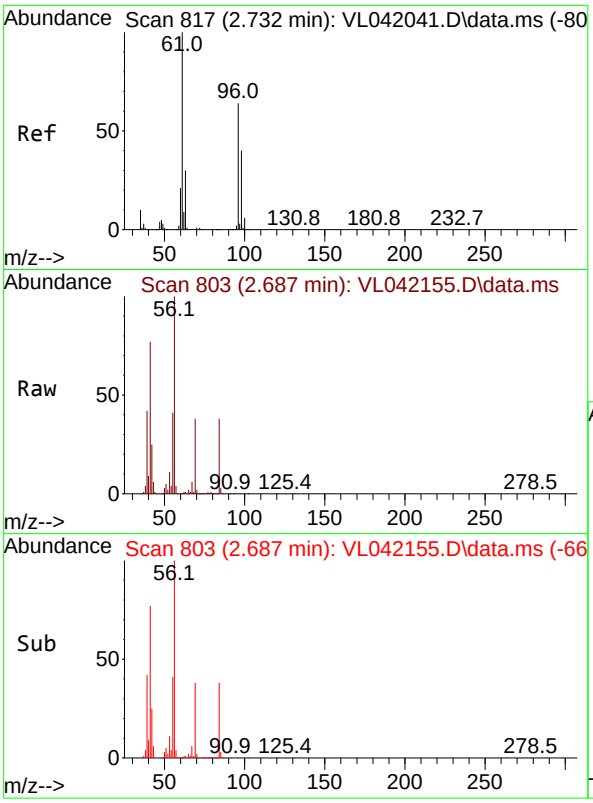


#30
Cyclohexane
Concen: 26.810 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 84 Resp: 551515

Ion	Ratio	Lower	Upper
84	100		
56	131.7	101.5	152.3
41	96.1	62.6	93.8#



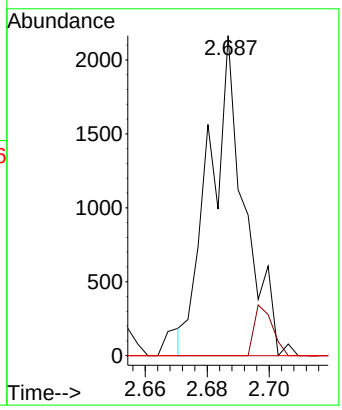


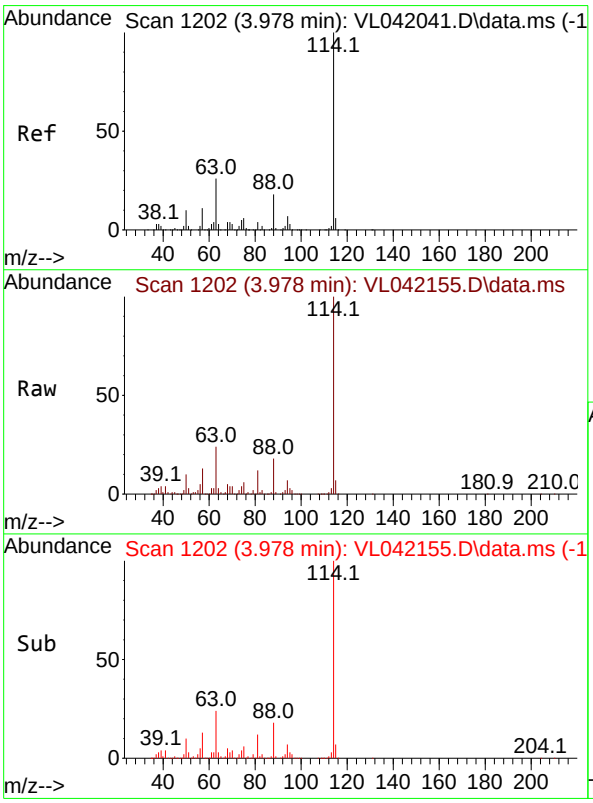
#31
cis-1,2-Dichloroethene
Concen: 0.071 ppbv
RT: 2.687 min Scan# 8
Delta R.T. -0.045 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 61 Resp: 1701

Ion	Ratio	Lower	Upper
61	100		
96	0.0	51.5	77.3#
98	0.0	32.0	48.0#

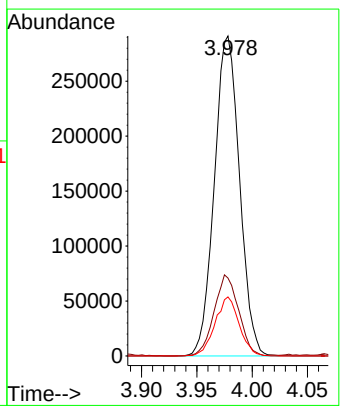


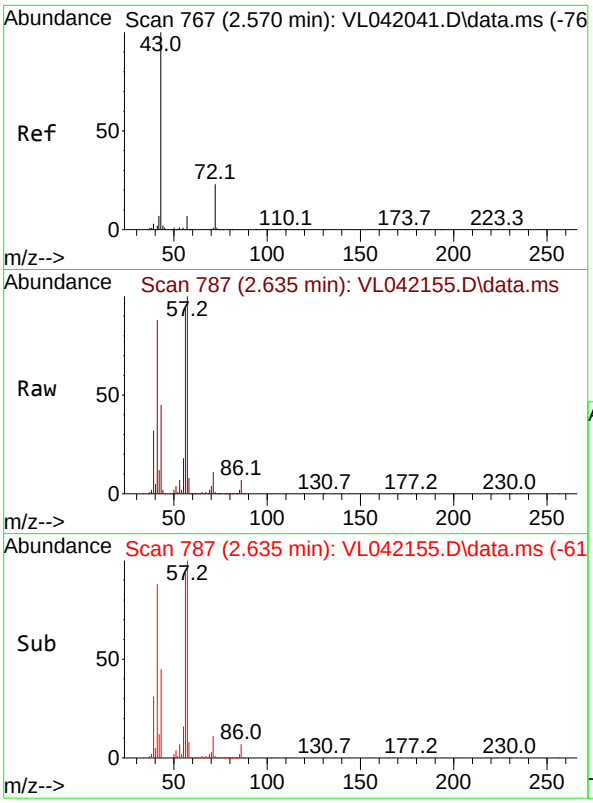


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion:114 Resp: 461268

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.7	14.3	21.5



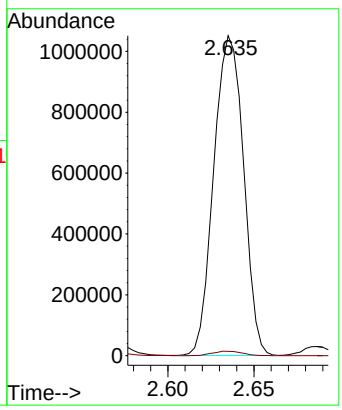


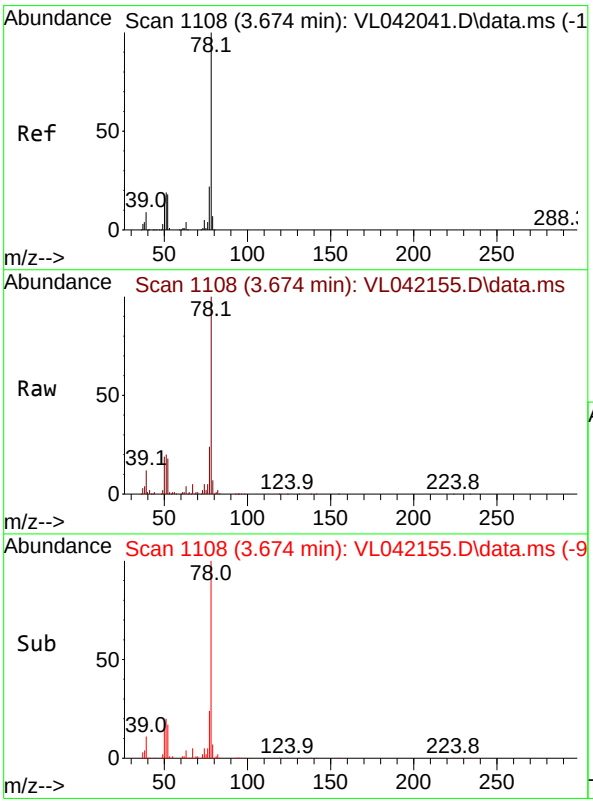
#34
2-Butanone
Concen: 35.228 ppbv
RT: 2.635 min Scan# 7
Delta R.T. 0.065 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 43 Resp: 1265953

Ion	Ratio	Lower	Upper
43	100		
72	1.4	18.5	27.7#

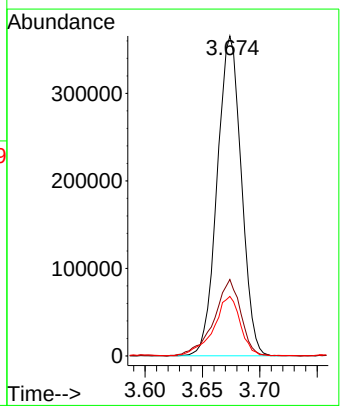


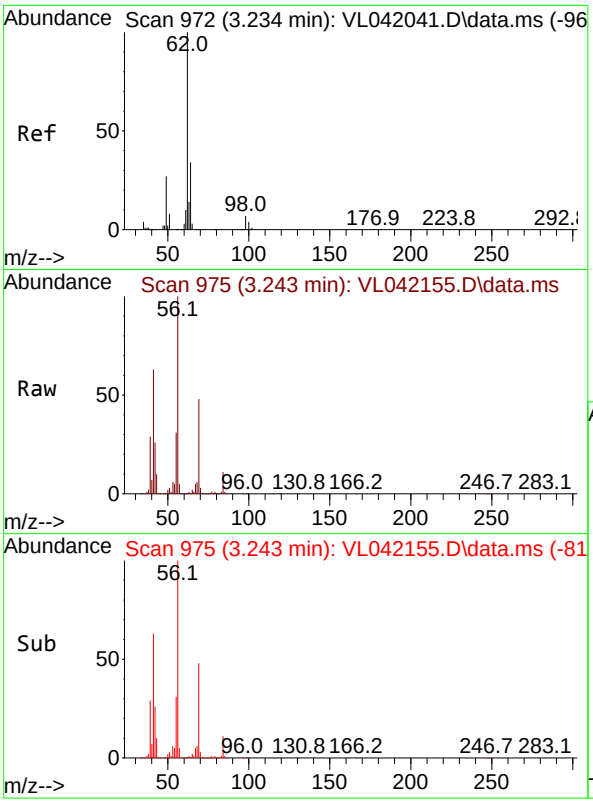


#36
Benzene
Concen: 11.078 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 78 Resp: 534931

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.7	26.5
50	18.4	13.9	20.9



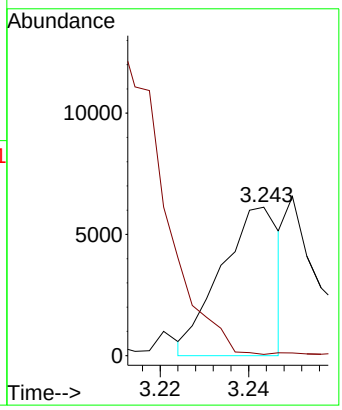


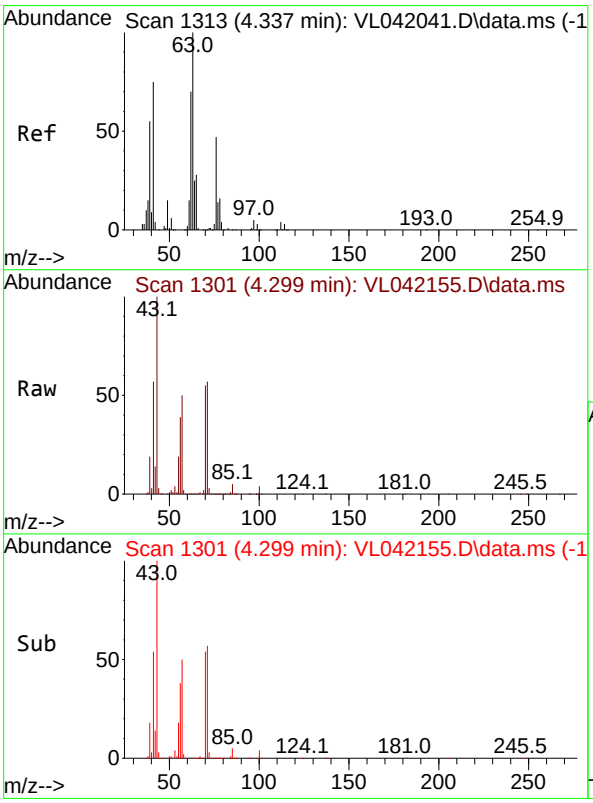
#37
1,2-Dichloroethane
Concen: 0.209 ppbv
RT: 3.243 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 62 Resp: 5606

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.7	8.5#

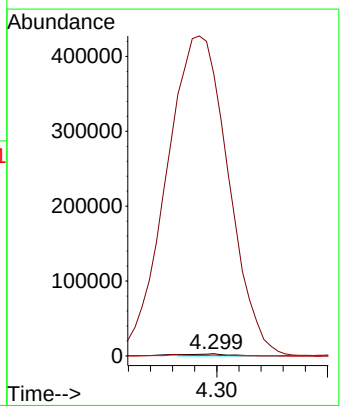


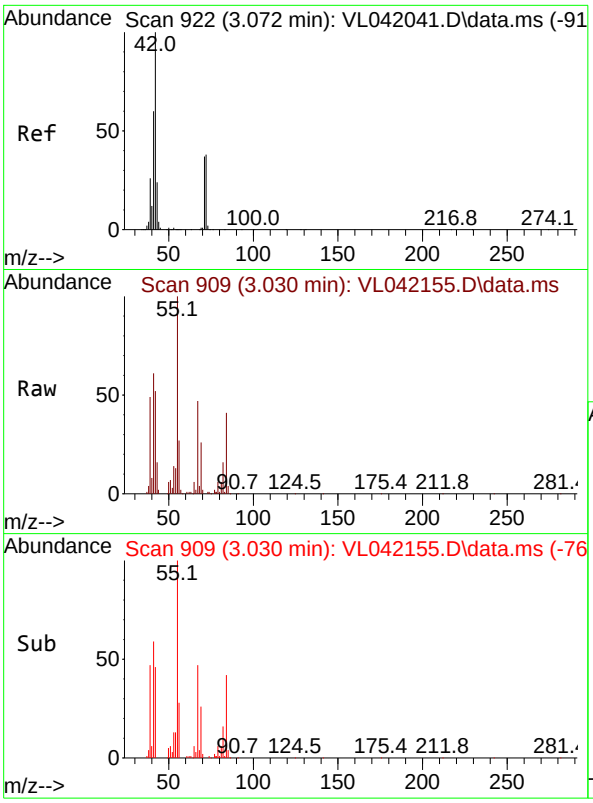


#39
1,2-Dichloropropane
Concen: 0.195 ppbv
RT: 4.299 min Scan# 1301
Delta R.T. -0.039 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 63 Resp: 3570

Ion	Ratio	Lower	Upper
63	100		
41	12463.5	60.1	90.1#
62	36.6	55.8	83.8#



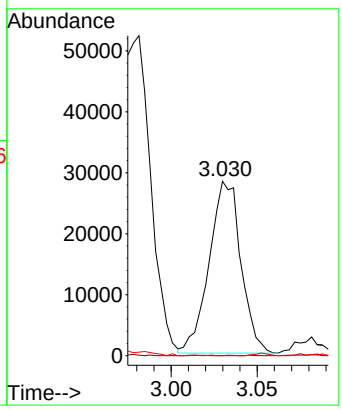


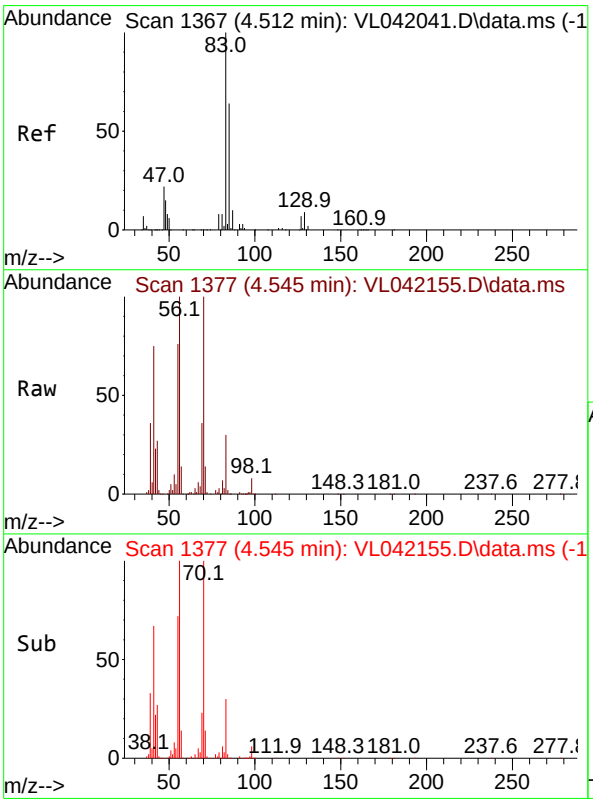
#41
Tetrahydrofuran
Concen: 1.705 ppbv
RT: 3.030 min Scan# 9
Delta R.T. -0.042 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 42 Resp: 36213

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	0.0	28.2	42.4#

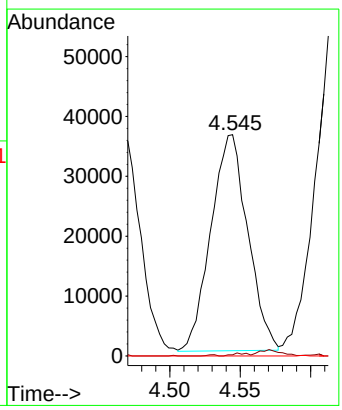


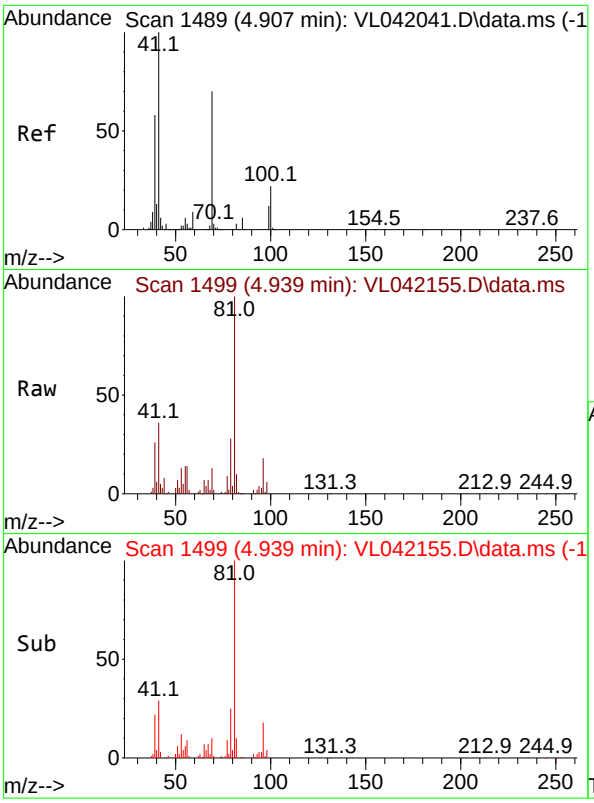


#42
Bromodichloromethane
Concen: 1.829 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.032 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 83 Resp: 65960

Ion	Ratio	Lower	Upper
83	100		
85	0.5	51.4	77.2#
127	0.0	5.8	8.6#



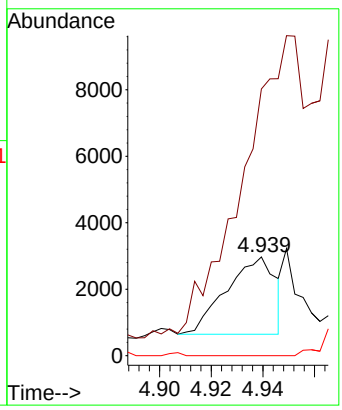


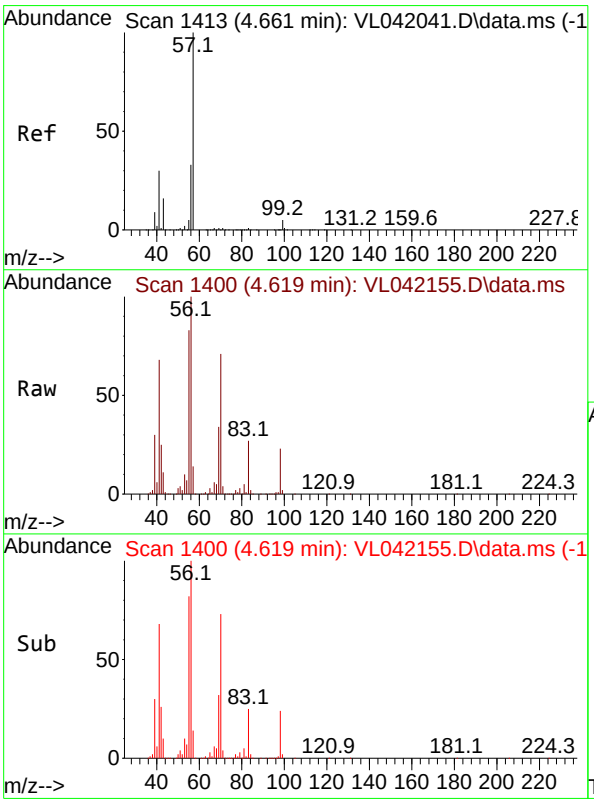
#43
Methyl Methacrylate
Concen: 0.162 ppbv
RT: 4.939 min Scan# 14
Delta R.T. 0.032 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 69 Resp: 3047

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.2	177.4#
100	0.0	27.0	40.4#

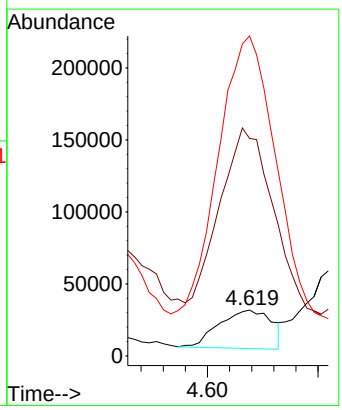


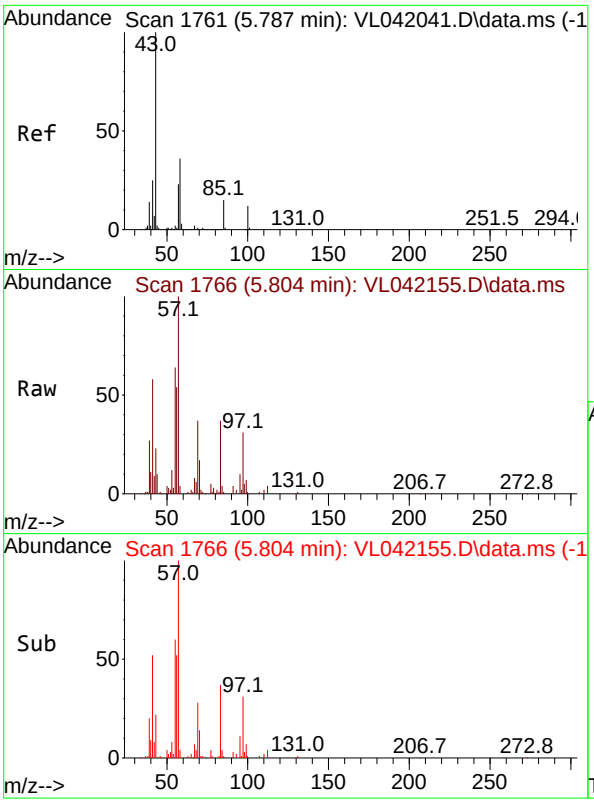


#44
2,2,4-Trimethylpentane
Concen: 0.518 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. -0.042 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 57 Resp: 44149

Ion	Ratio	Lower	Upper
57	100		
41	868.0	24.4	36.6#
56	1154.8	26.5	39.7#



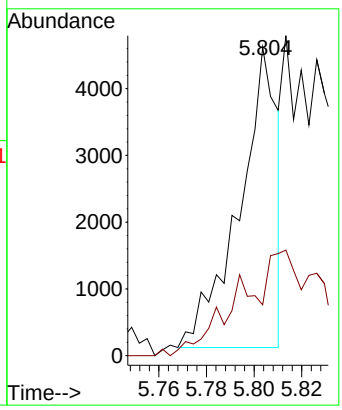


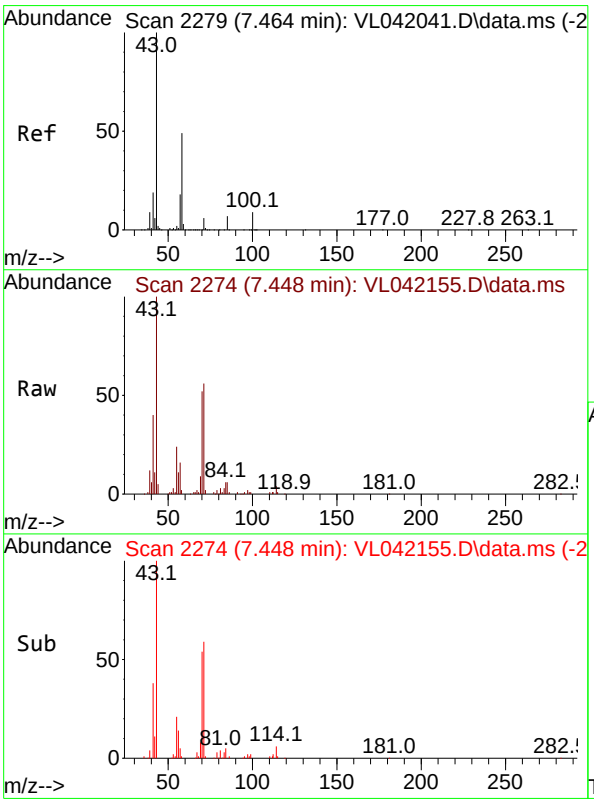
#50
4-Methyl-2-Pentanone
Concen: 0.107 ppbv
RT: 5.804 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 43 Resp: 4976

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#

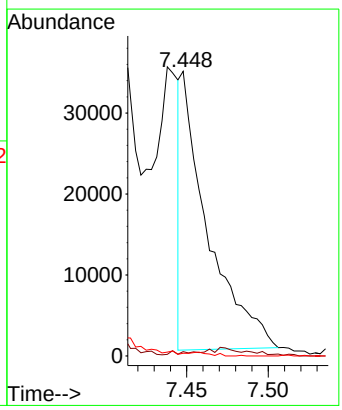


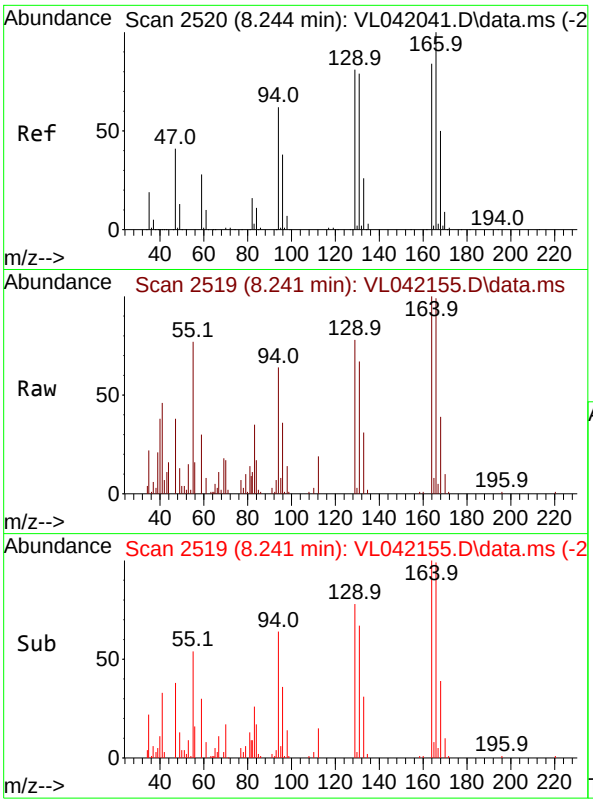


#51
2-Hexanone
Concen: 1.219 ppbv
RT: 7.448 min Scan# 2274
Delta R.T. -0.016 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 43 Resp: 39007

Ion	Ratio	Lower	Upper
43	100		
58	5.9	39.0	58.6#
98	0.0	0.1	0.1#



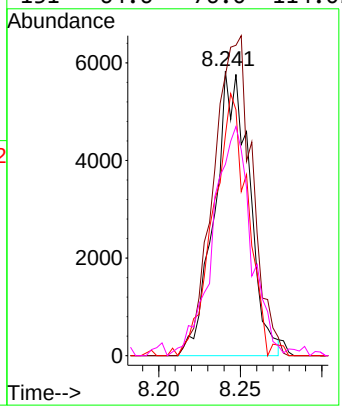


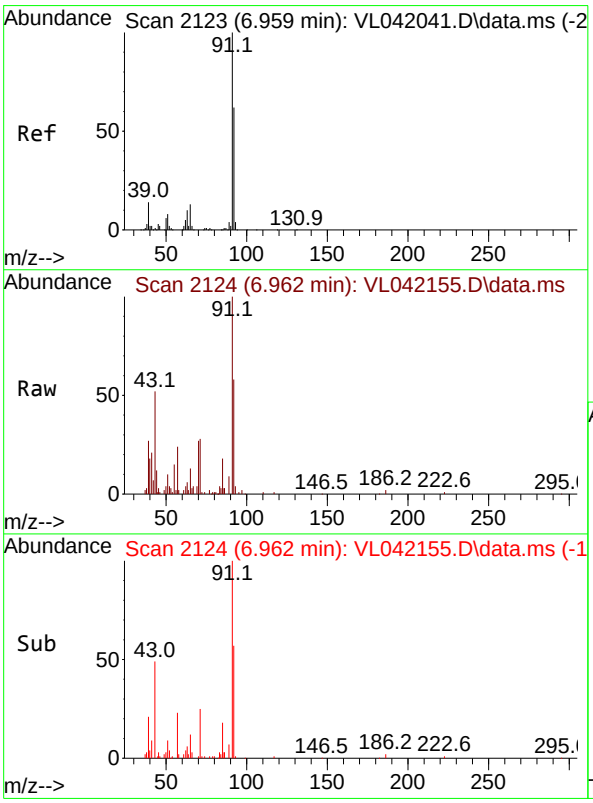
#52
Tetrachloroethene
Concen: 0.525 ppbv
RT: 8.241 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion:164 Resp: 8686

Ion	Ratio	Lower	Upper
164	100		
166	98.5	95.7	143.5
129	77.5	77.1	115.7
131	64.6	76.0	114.0#

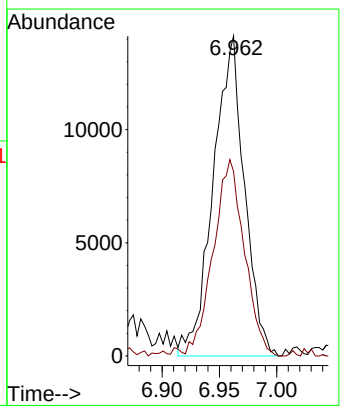


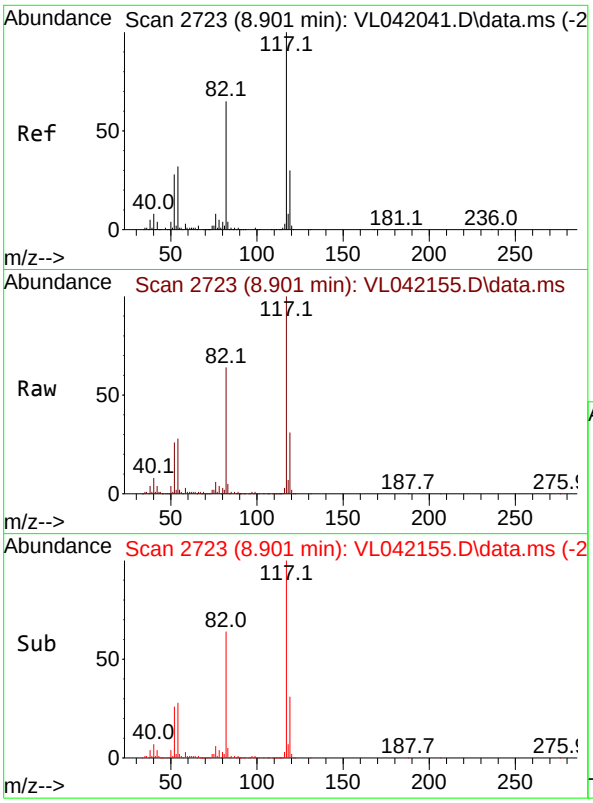


#53
Toluene
Concen: 0.496 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 26788

Ion	Ratio	Lower	Upper
91	100		
92	62.4	49.0	73.6



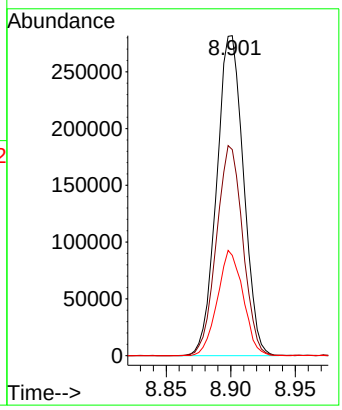


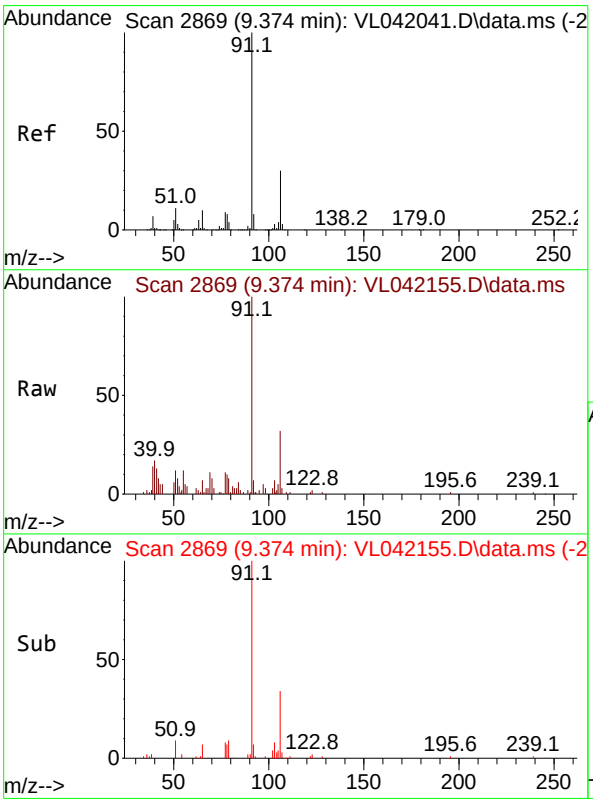
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion:117 Resp: 407257

Ion	Ratio	Lower	Upper
117	100		
82	64.8	55.0	82.6
119	31.6	25.9	38.9

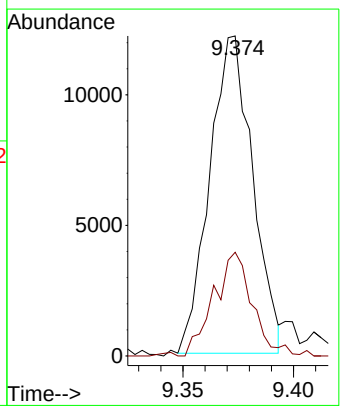


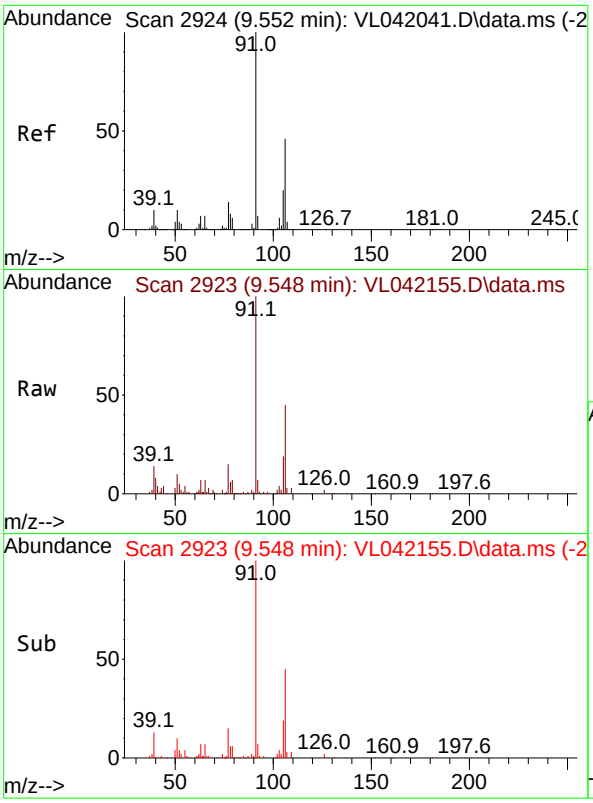


#58
Ethyl Benzene
Concen: 0.220 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 16465

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.2



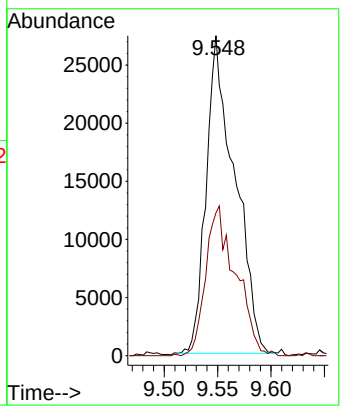


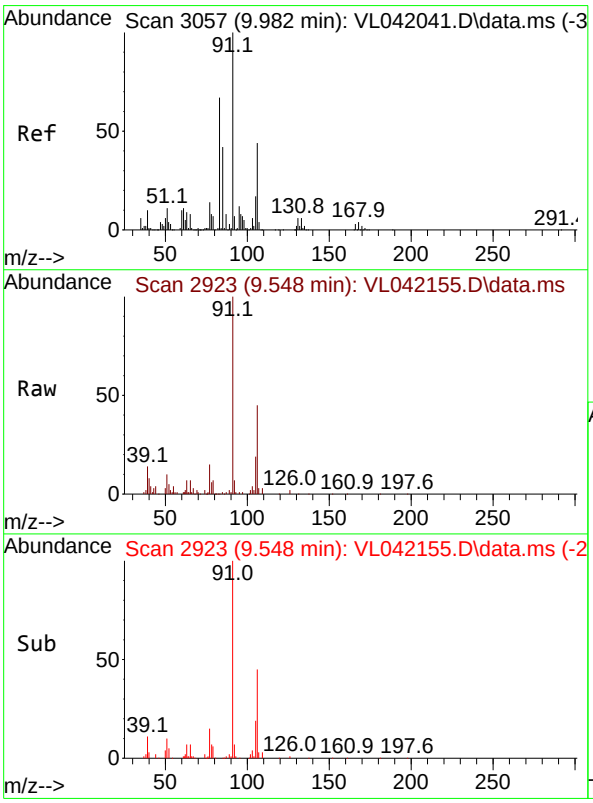
#59
m/p-Xylene
Concen: 0.850 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 91 Resp: 50752

Ion	Ratio	Lower	Upper
91	100		
106	49.6	0.0	0.0#

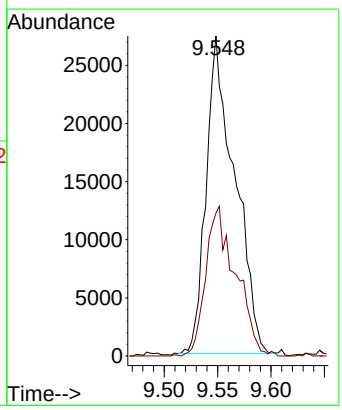


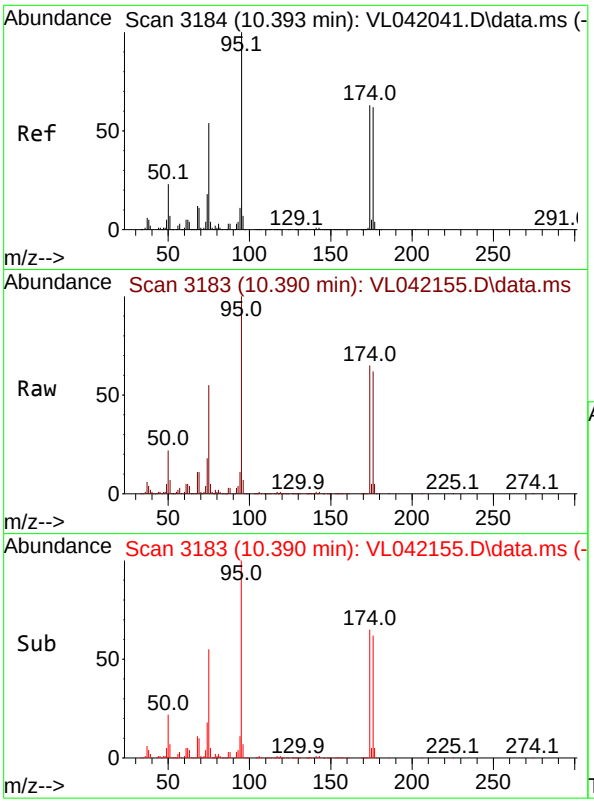


#60
o-Xylene
Concen: 0.846 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. -0.434 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion: 91 Resp: 50752

Ion	Ratio	Lower	Upper
91	100		
106	49.6	22.3	66.8



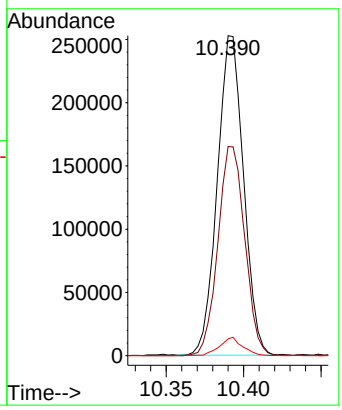


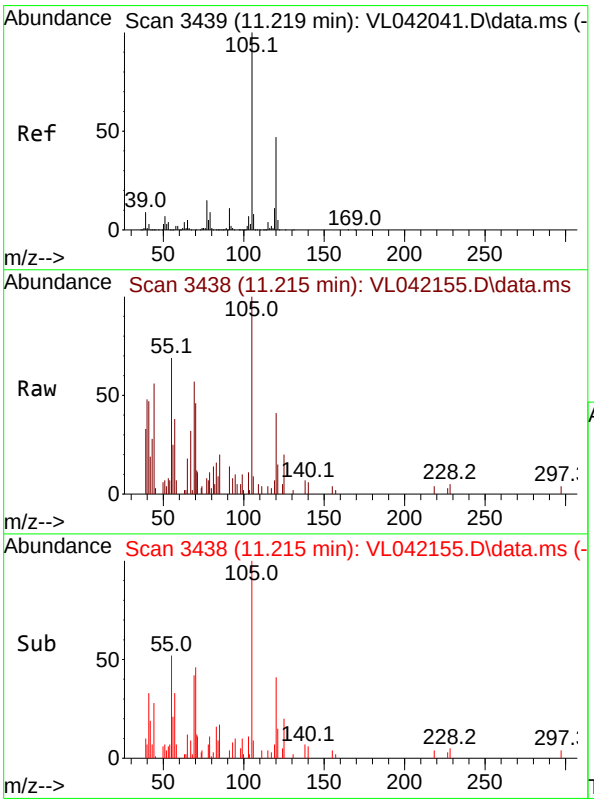
#68
1-Bromo-4-Fluorobenzene
Concen: 9.506 ppbv
RT: 10.390 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion: 95 Resp: 297836

Ion	Ratio	Lower	Upper
95	100		
174	67.1	51.8	77.6
175	5.1	3.9	5.9

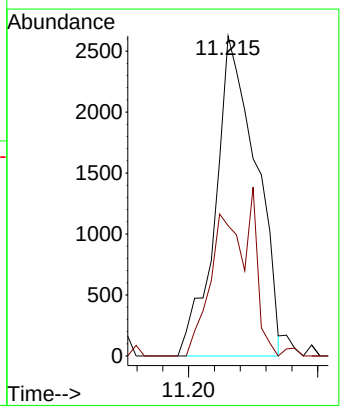


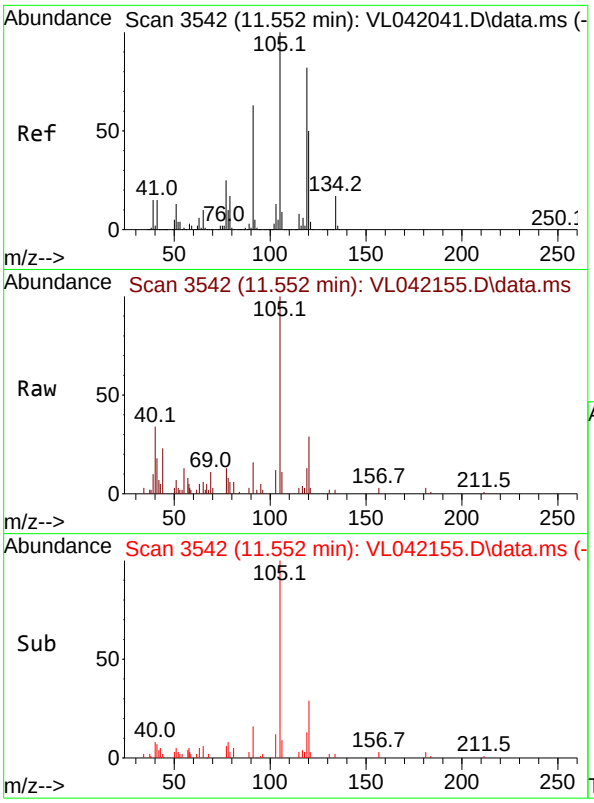


#73
1,3,5-Trimethylbenzene
Concen: 0.045 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. -0.003 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Tgt Ion:105 Resp: 2873

Ion	Ratio	Lower	Upper
105	100		
120	40.7	37.4	56.0



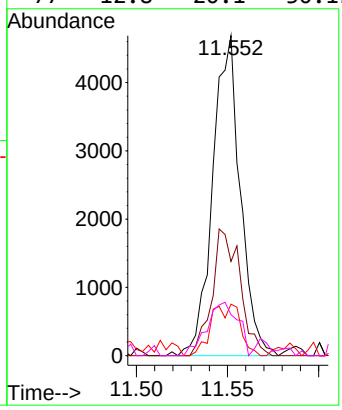


#74
1,2,4-Trimethylbenzene
Concen: 0.069 ppbv
RT: 11.552 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042155.D
Acq: 17 Mar 2025 13:37

Instrument :
MSVOA_L
ClientSampleId :
565-SG-1DL

Tgt Ion:105 Resp: 4923

Ion	Ratio	Lower	Upper
105	100		
120	32.5	40.2	60.2#
91	13.5	51.4	77.2#
77	12.8	20.1	30.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042158.D
Acq On : 17 Mar 2025 15:19
Operator : SY/MD
Sample : Q1586-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Quant Time: Mar 18 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	163274	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	382025	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	334931	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	264151	10.251	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9601	0.565	ppbv		96
3) Chlorodifluoromethane	1.479	51	13012	0.548	ppbv	#	86
4) Chloromethane	1.538	50	1815	0.289	ppbv		97
9) Propene	1.489	41	7485	0.774	ppbv		91
10) Heptane	5.011	43	1107	0.037	ppbv	#	28
11) Trichlorofluoromethane	1.884	101	5041	0.296	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.146	101	1022	0.075	ppbv	#	77
13) Ethanol	1.735	45	403900	658.155	ppbv		92
15) Acetone	1.845	43	218573	15.159	ppbv		96
16) 1,3-Butadiene	1.625	39	5162	0.769	ppbv	#	30
17) tert-Butyl alcohol	2.059	59	10351	0.574	ppbv		97
19) Isopropyl Alcohol	1.900	45	39394	4.756	ppbv	#	1
20) Methylene Chloride	2.068	84	3246	0.595	ppbv	#	92
21) Allyl Chloride	2.085	41	1458	0.140	ppbv	#	28
23) Vinyl Acetate	2.483	43	30164	2.975	ppbv	#	51
25) Ethyl Acetate	2.858	43	3304	0.057	ppbv	#	1
26) Hexane	2.835	57	16293	0.698	ppbv	#	38
27) Carbon Disulfide	2.159	76	38336	2.424	ppbv	#	65
29) Chloroform	2.861	83	268454	8.549	ppbv		99
30) Cyclohexane	3.878	84	1555	0.082	ppbv	#	1
31) cis-1,2-Dichloroethene	2.735	61	3117	0.141	ppbv	#	89
34) 2-Butanone	2.573	43	38525	1.294	ppbv		98
35) Carbon Tetrachloride	3.781	117	2456	0.093	ppbv	#	96
36) Benzene	3.674	78	138238	3.457	ppbv		97
38) Trichloroethene	4.570	130	4011	0.246	ppbv		92
39) 1,2-Dichloropropane	3.975	63	96425	6.352	ppbv	#	24
41) Tetrahydrofuran	3.078	42	828	0.047	ppbv	#	38
42) Bromodichloromethane	4.506	83	4737	0.159	ppbv	#	98
51) 2-Hexanone	7.464	43	893	0.034	ppbv	#	16
52) Tetrachloroethene	8.244	164	179431	13.106	ppbv		97
53) Toluene	6.949	91	4024	0.090	ppbv	#	20
59) m/p-Xylene	9.552	91	4835	0.099	ppbv	#	100
60) o-Xylene	9.979	91	2357	0.048	ppbv	#	59
62) Isopropylbenzene	10.555	105	45133	0.611	ppbv		98
65) tert-Butylbenzene	11.545	119	2382	0.035	ppbv	#	11
66) Benzyl Chloride	11.623	91	424	0.083	ppbv	#	65
69) p-Isopropyltoluene	11.937	119	4286	0.056	ppbv	#	50
70) n-Butylbenzene	12.303	91	11208	0.143	ppbv	#	18
72) 4-Ethyltoluene	11.134	105	2554	0.042	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.212	105	2119	0.041	ppbv		90
74) 1,2,4-Trimethylbenzene	11.549	105	20132	0.342	ppbv	#	63
79) Naphthalene	13.526	128	31084	0.770	ppbv	#	93
80) Naphthalene,2-methyl-	14.468	142	3244	0.294	ppbv	#	44

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042158.D
Acq On : 17 Mar 2025 15:19
Operator : SY/MD
Sample : Q1586-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Quant Time: Mar 18 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

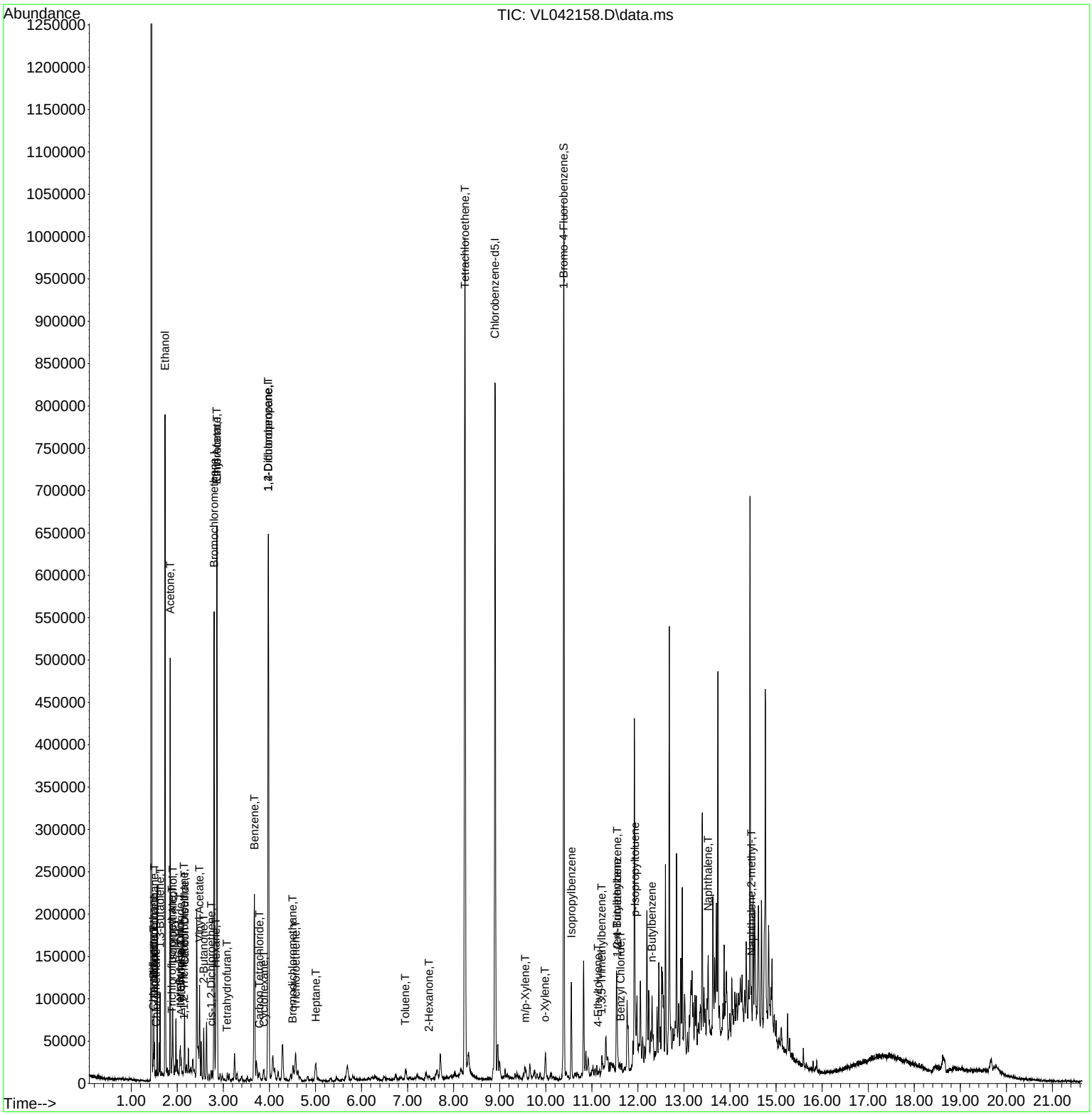
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

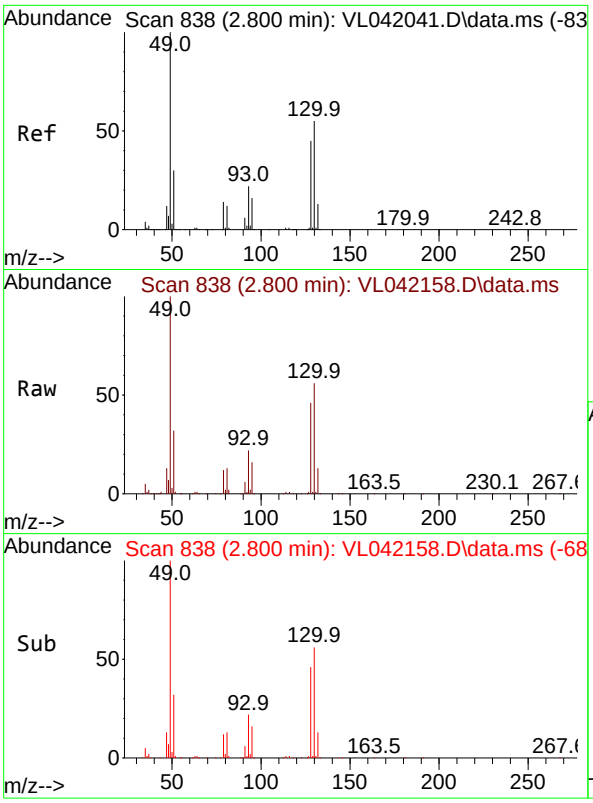
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042158.D
Acq On : 17 Mar 2025 15:19
Operator : SY/MD
Sample : Q1586-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Quant Time: Mar 18 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



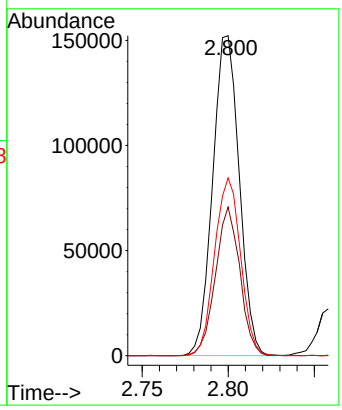


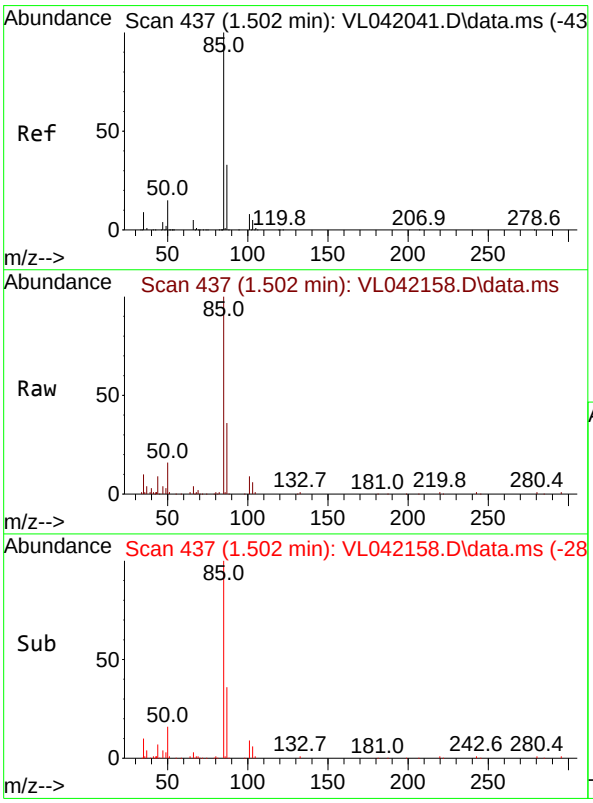
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 49 Resp: 163274

Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.6	64.8
130	54.4	27.8	83.4

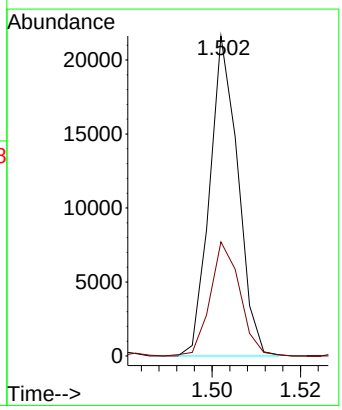


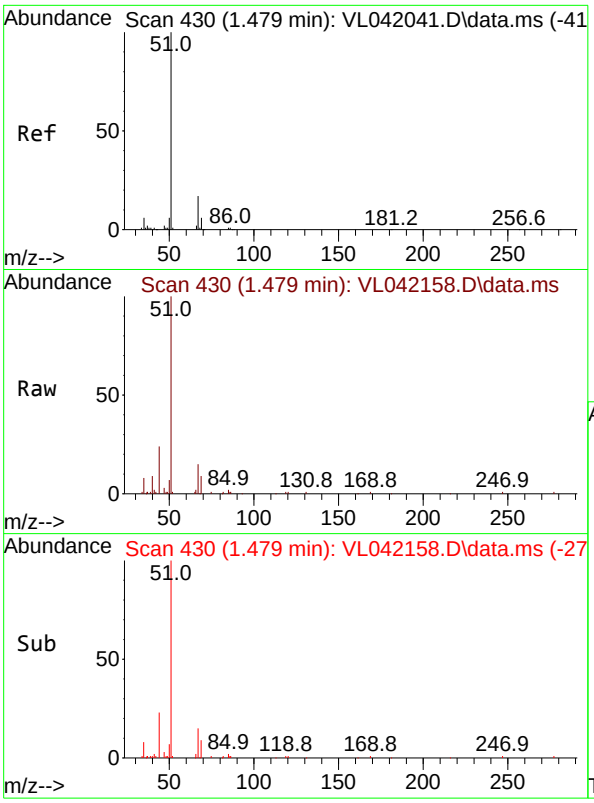


#2
Dichlorodifluoromethane
Concen: 0.565 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 85 Resp: 9601

Ion	Ratio	Lower	Upper
85	100		
87	35.3	26.4	39.6



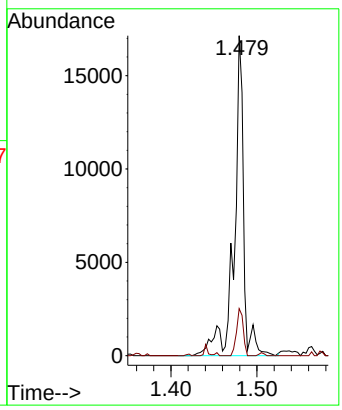


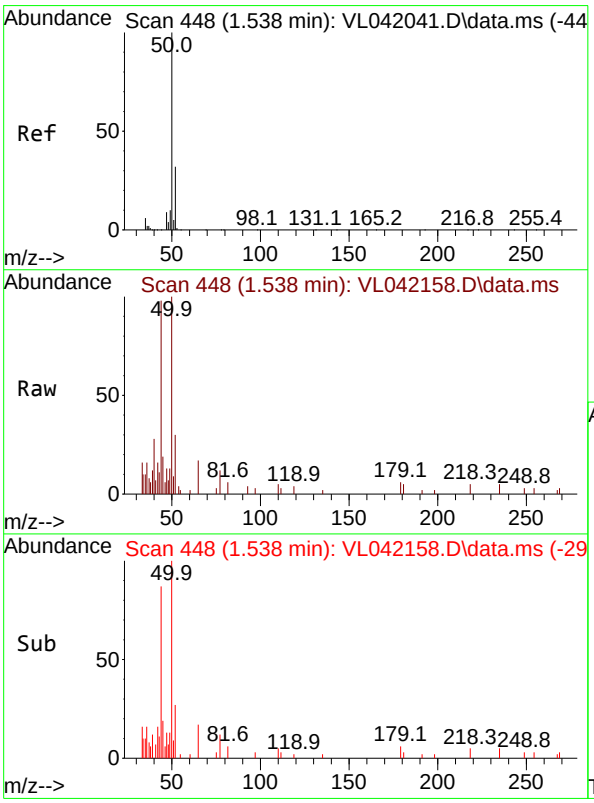
#3
Chlorodifluoromethane
Concen: 0.548 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 51 Resp: 13012

Ion	Ratio	Lower	Upper
51	100		
67	10.8	13.7	20.5#

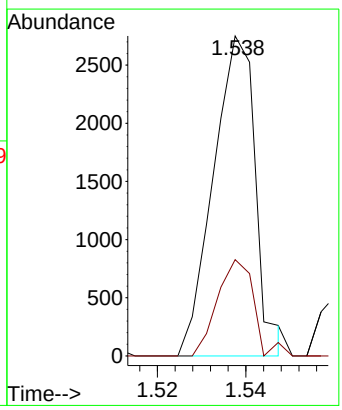


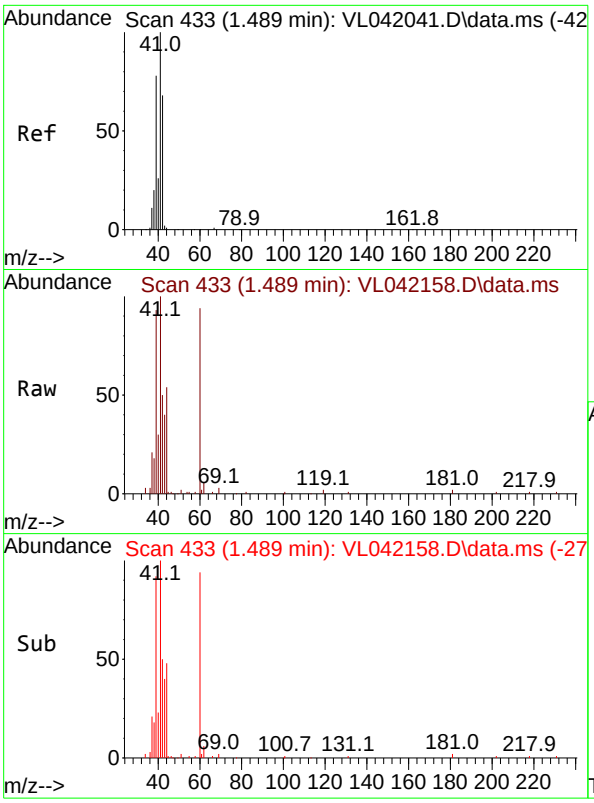


#4
Chloromethane
Concen: 0.289 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 50 Resp: 1815

Ion	Ratio	Lower	Upper
50	100		
52	30.1	25.4	38.0



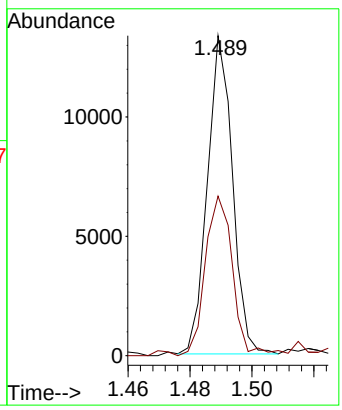


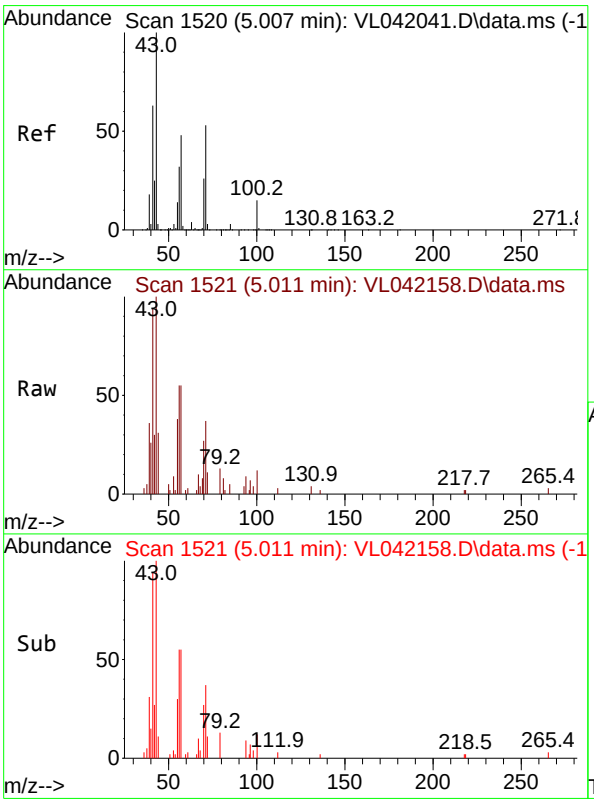
#9
Propene
Concen: 0.774 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 41 Resp: 7485

Ion	Ratio	Lower	Upper
41	100		
42	62.5	55.8	83.6

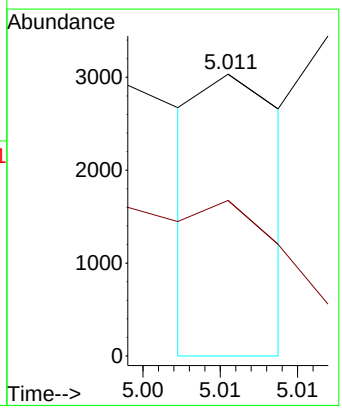


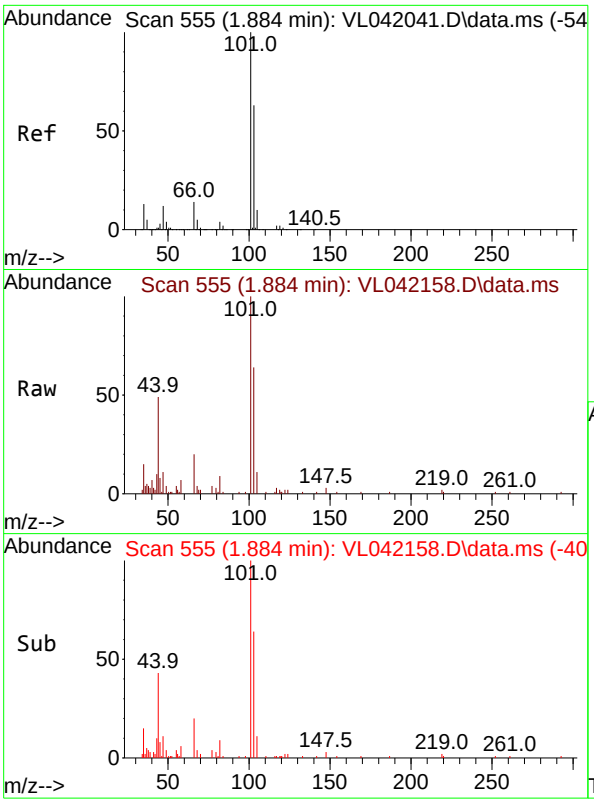


#10
Heptane
Concen: 0.037 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 1107

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.0#



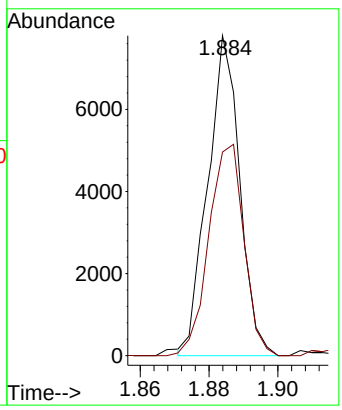


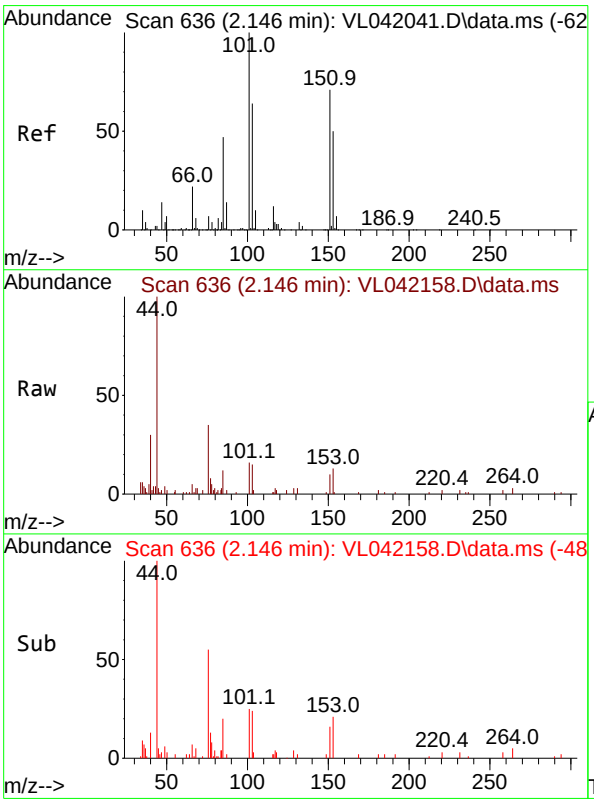
#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:101 Resp: 5041

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.6	75.8

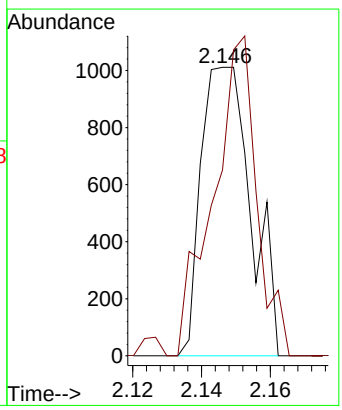


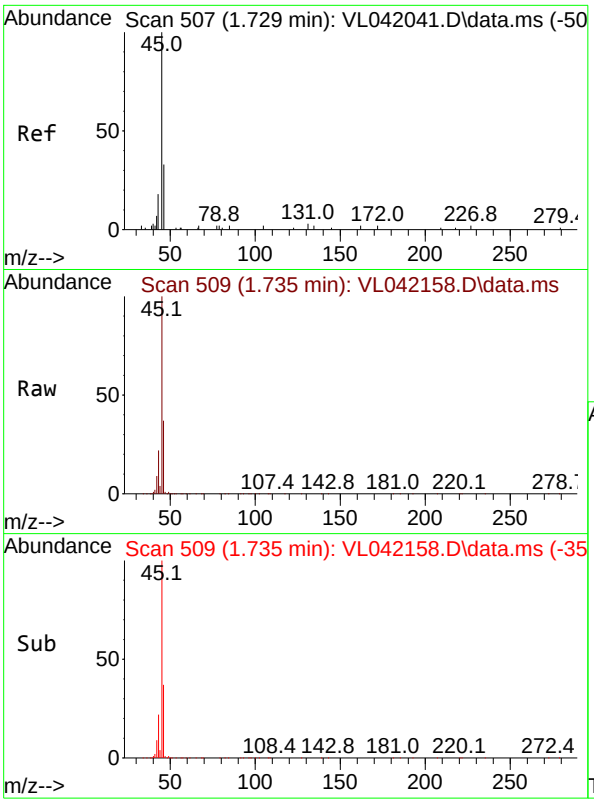


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.075 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:101 Resp: 1022

Ion	Ratio	Lower	Upper
101	100		
151	98.3	62.6	94.0#



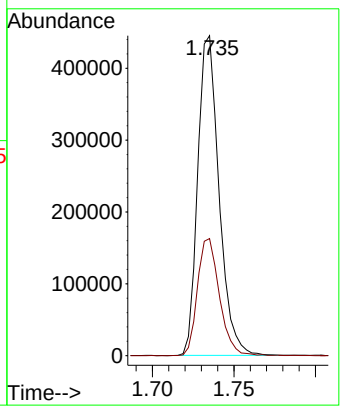


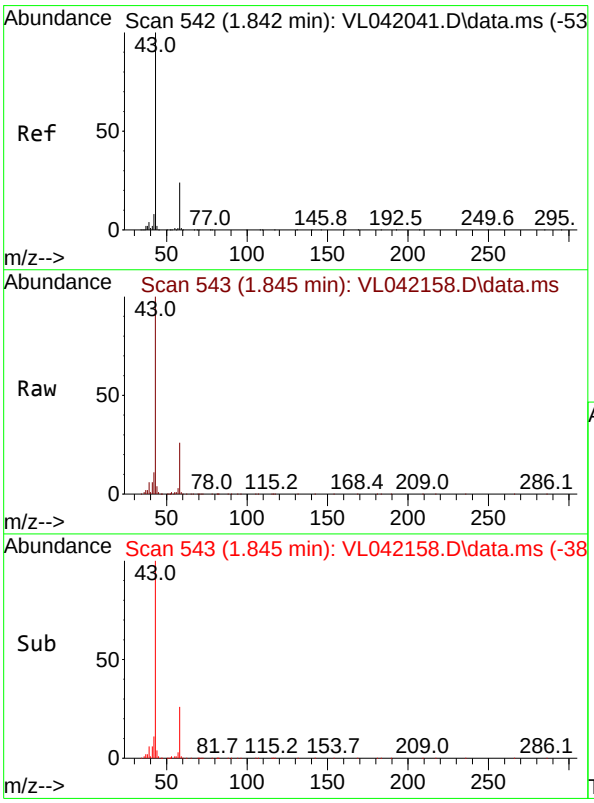
#13
Ethanol
Concen: 658.155 ppbv
RT: 1.735 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 45 Resp: 403900

Ion	Ratio	Lower	Upper
45	100		
46	37.8	17.1	68.3

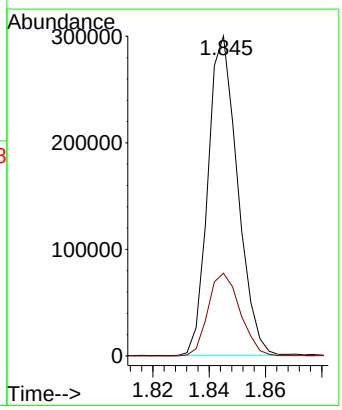


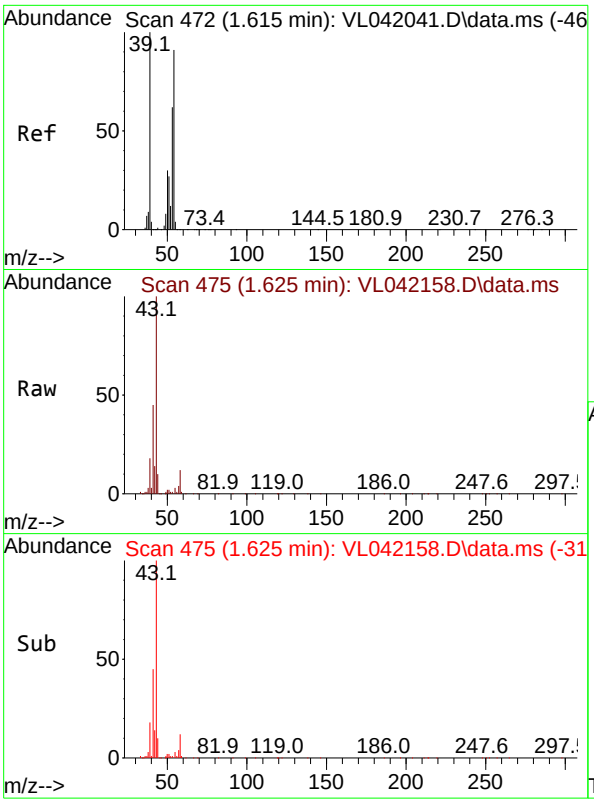


#15
Acetone
Concen: 15.159 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 218573

Ion	Ratio	Lower	Upper
43	100		
58	28.1	20.7	31.1



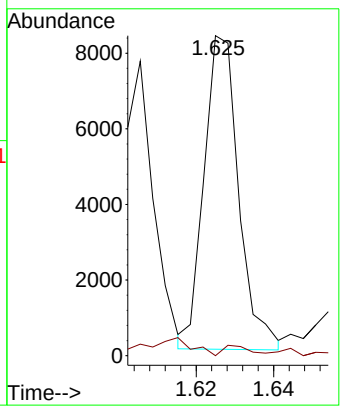


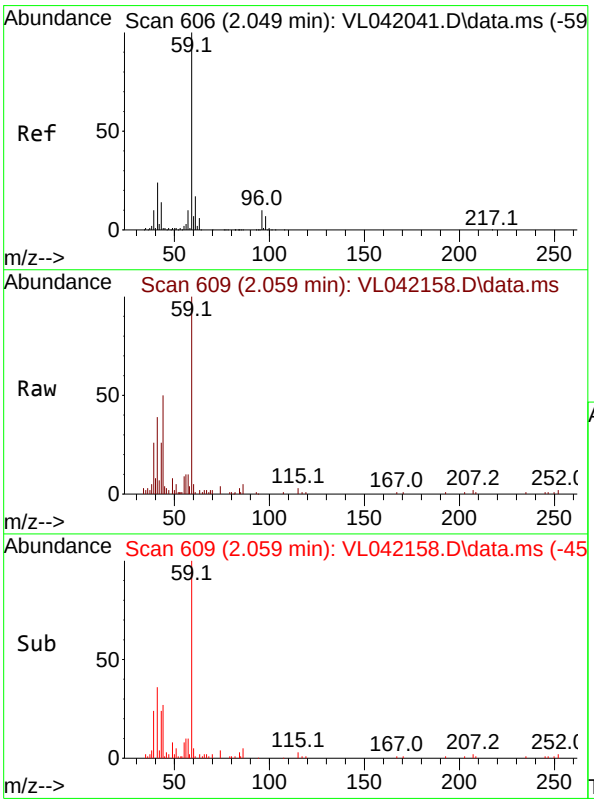
#16
1,3-Butadiene
Concen: 0.769 ppbv
RT: 1.625 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 39 Resp: 5162

Ion	Ratio	Lower	Upper
39	100		
54	15.4	59.6	89.4#

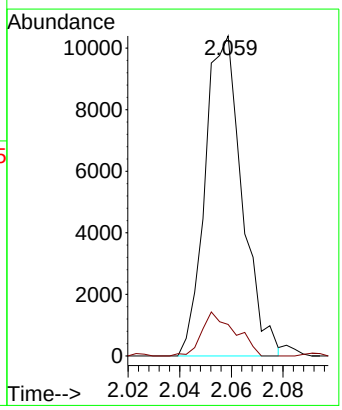


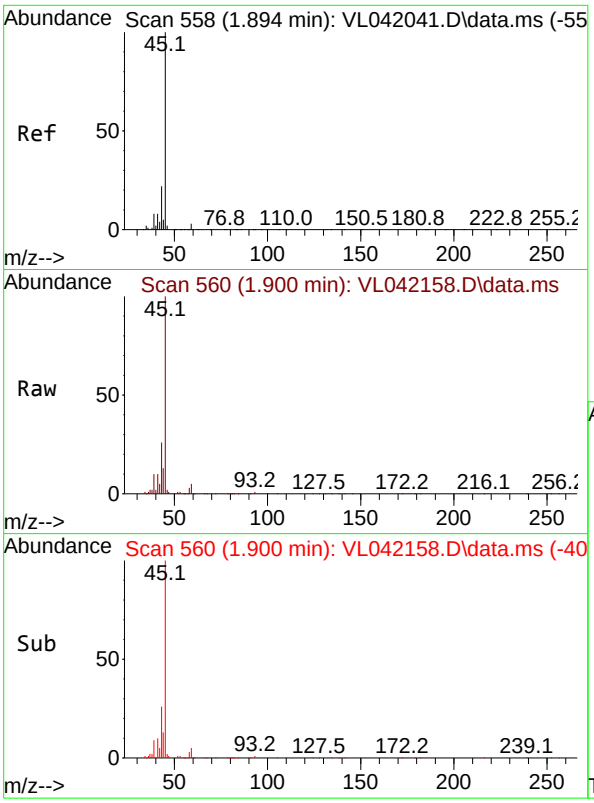


#17
tert-Butyl alcohol
Concen: 0.574 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 59 Resp: 10351

Ion	Ratio	Lower	Upper
59	100		
57	12.6	9.3	13.9



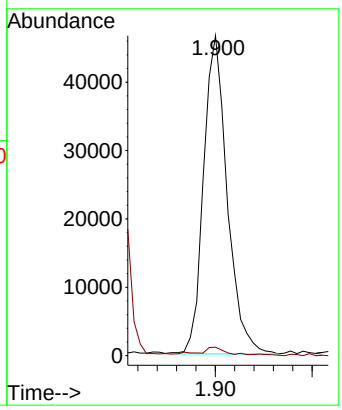


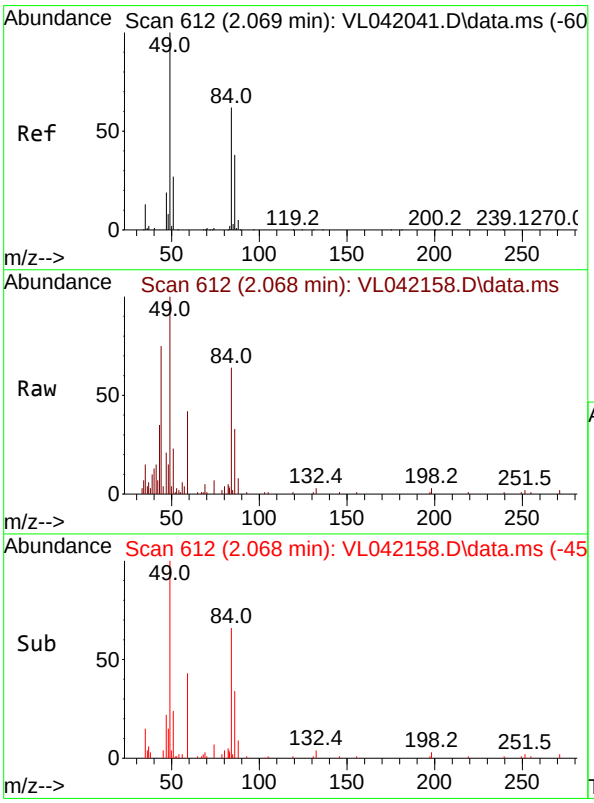
#19
Isopropyl Alcohol
Concen: 4.756 ppbv
RT: 1.900 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 45 Resp: 39394

Ion	Ratio	Lower	Upper
45	100		
58	156.0	35.3	52.9#

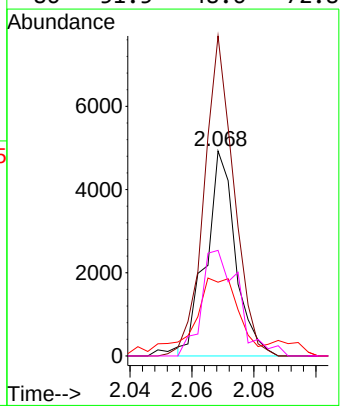


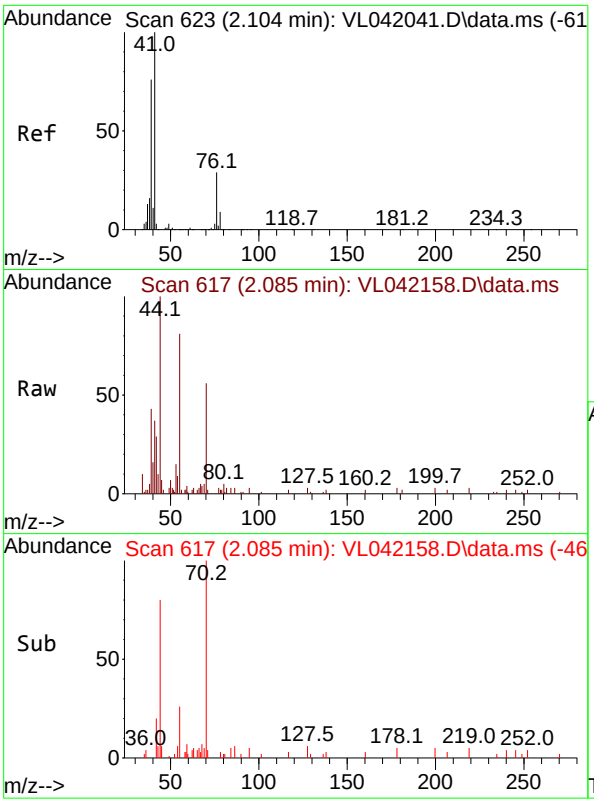


#20
Methylene Chloride
Concen: 0.595 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 84 Resp: 3246

Ion	Ratio	Lower	Upper
84	100		
49	161.7	130.0	195.0
51	29.1	37.4	56.0#
86	51.5	48.6	72.8



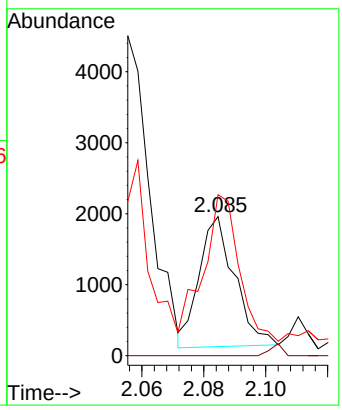


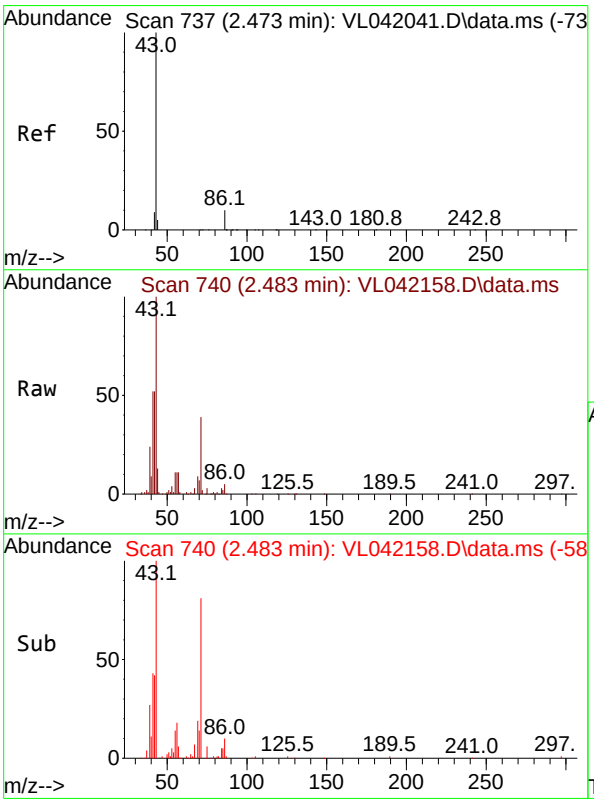
#21
Allyl Chloride
Concen: 0.140 ppbv
RT: 2.085 min Scan# 61
Delta R.T. -0.020 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 41 Resp: 1458

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.8	35.6#
39	149.2	63.8	95.6#

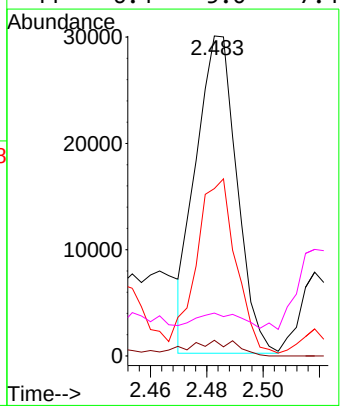


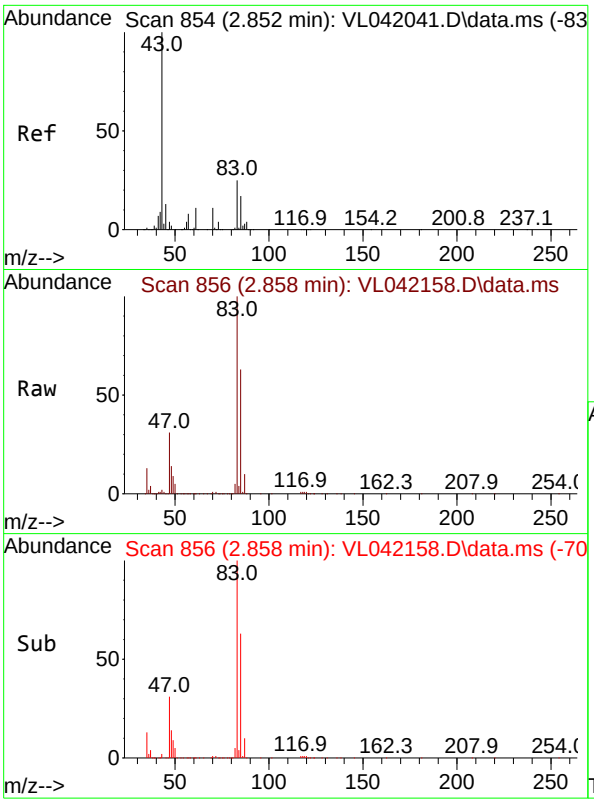


#23
Vinyl Acetate
Concen: 2.975 ppbv
RT: 2.483 min Scan# 740
Delta R.T. 0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 30164

Ion	Ratio	Lower	Upper
43	100		
86	5.0	7.0	10.4#
42	52.1	7.6	11.4#
44	6.4	5.0	7.4



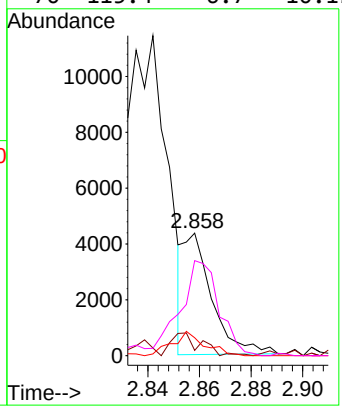


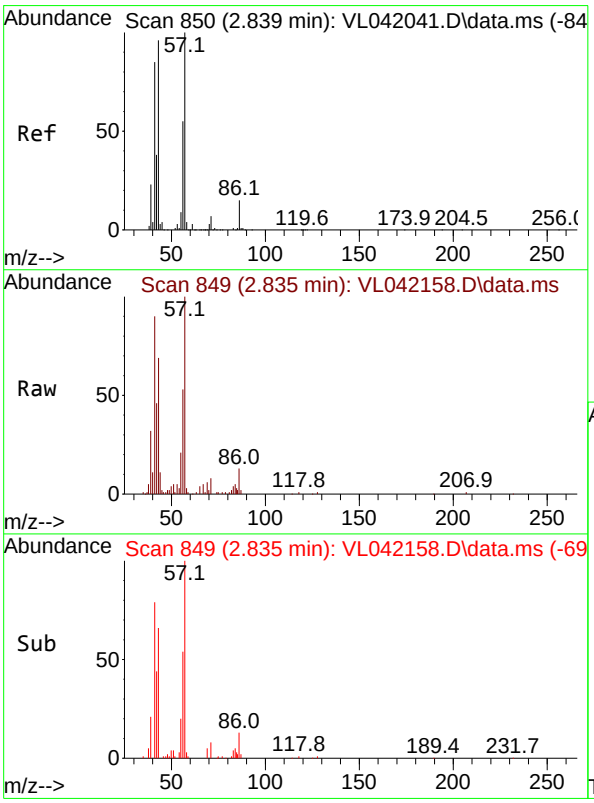
#25
Ethyl Acetate
Concen: 0.057 ppbv
RT: 2.858 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 43 Resp: 3304

Ion	Ratio	Lower	Upper
43	100		
45	28.9	8.1	12.1#
61	23.3	7.2	10.8#
70	115.4	6.7	10.1#

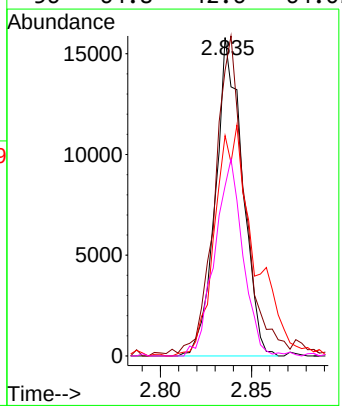


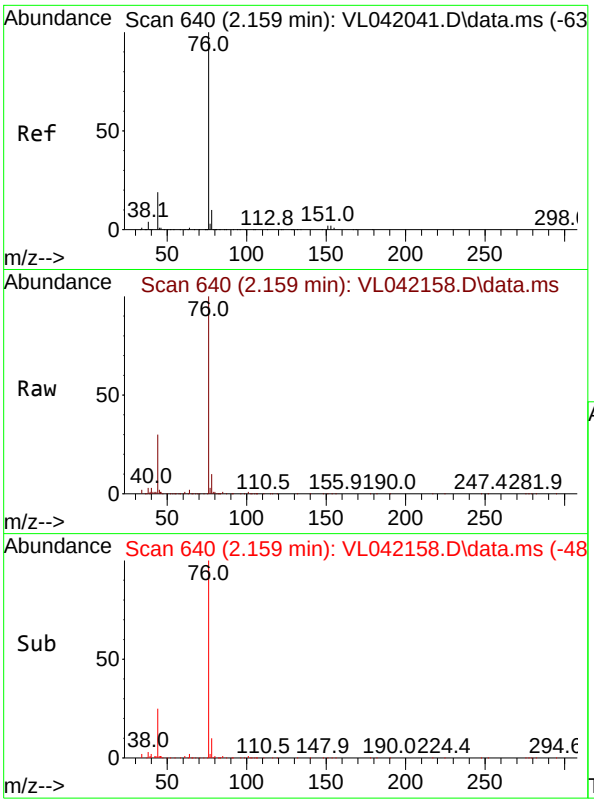


#26
Hexane
Concen: 0.698 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 57 Resp: 16293

Ion	Ratio	Lower	Upper
57	100		
41	116.7	70.6	106.0#
43	105.7	199.4	299.0#
56	64.8	42.6	64.0#



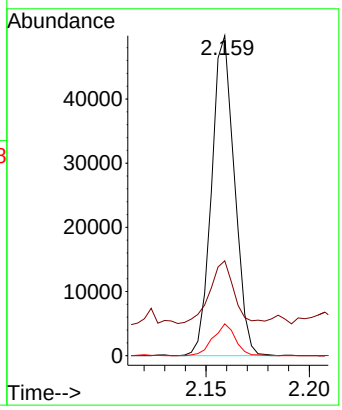


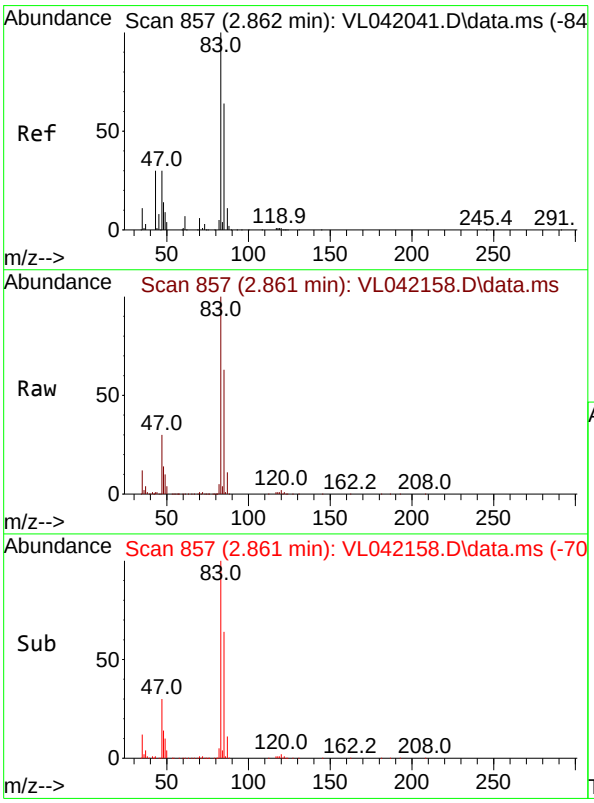
#27
Carbon Disulfide
Concen: 2.424 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 76 Resp: 38336

Ion	Ratio	Lower	Upper
76	100		
44	44.3	16.2	24.2#
78	10.0	9.4	14.0

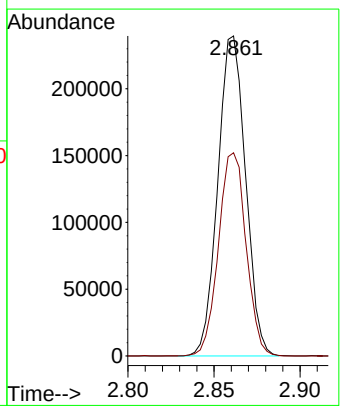


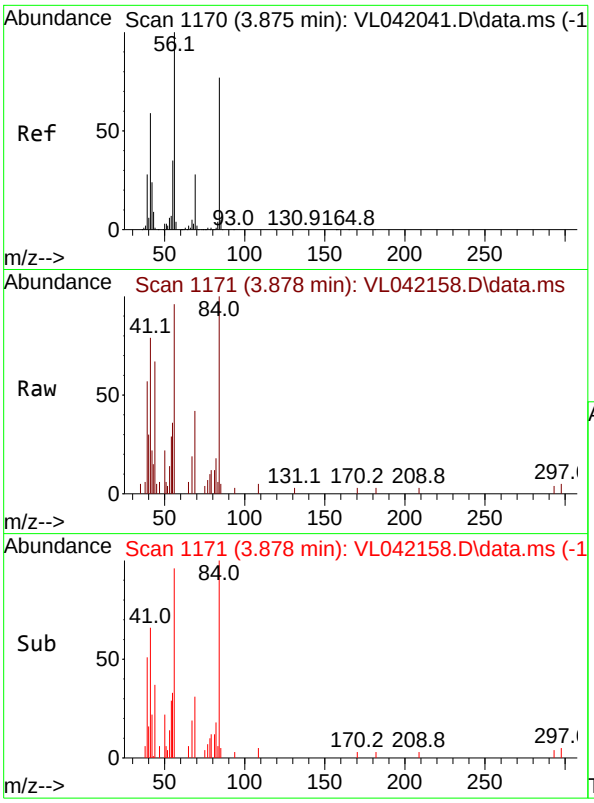


#29
Chloroform
Concen: 8.549 ppbv
RT: 2.861 min Scan# 857
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 83 Resp: 268454

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.2	76.8



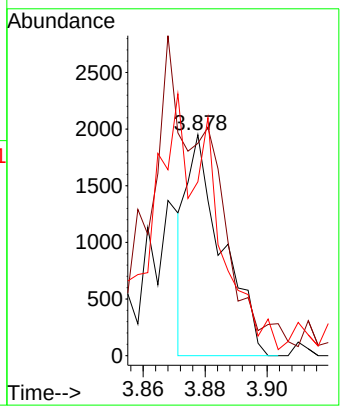


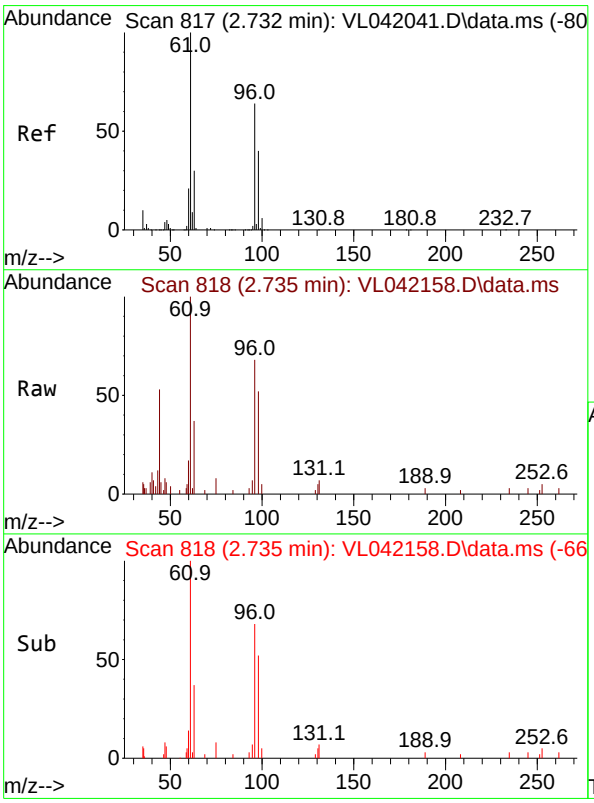
#30
Cyclohexane
Concen: 0.082 ppbv
RT: 3.878 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 84 Resp: 1555

Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.5	152.3#
41	0.0	62.6	93.8#

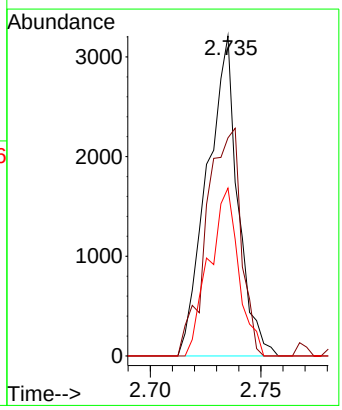


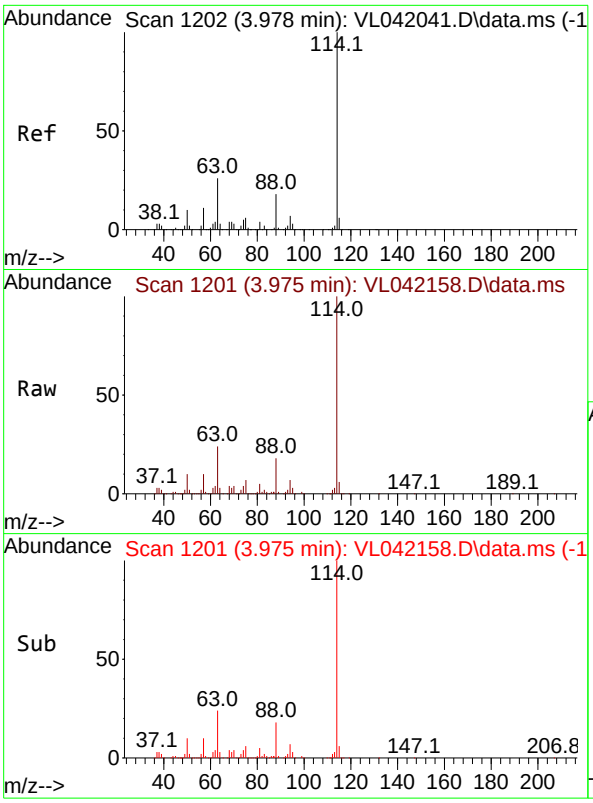


#31
cis-1,2-Dichloroethene
Concen: 0.141 ppbv
RT: 2.735 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 61 Resp: 3117

Ion	Ratio	Lower	Upper
61	100		
96	68.2	51.5	77.3
98	52.5	32.0	48.0#



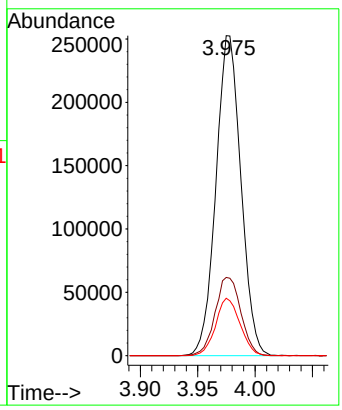


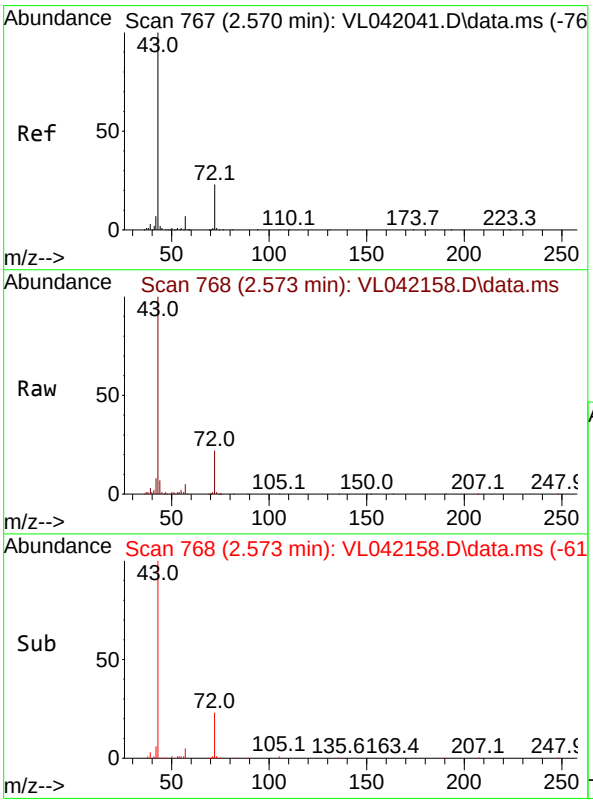
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:114 Resp: 382025

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.6	14.3	21.5

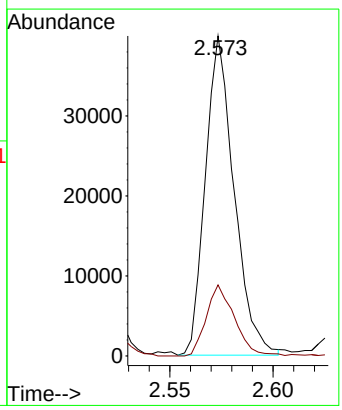


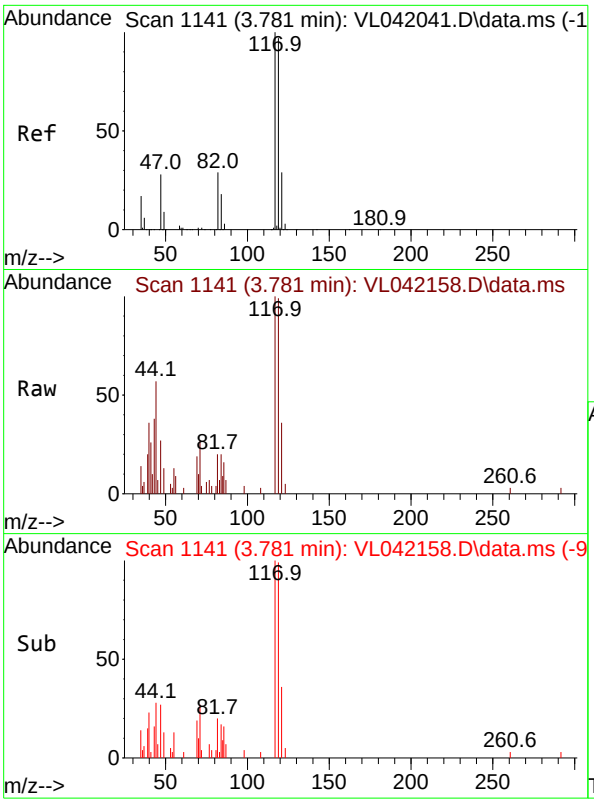


#34
2-Butanone
Concen: 1.294 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 38525

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.5	27.7



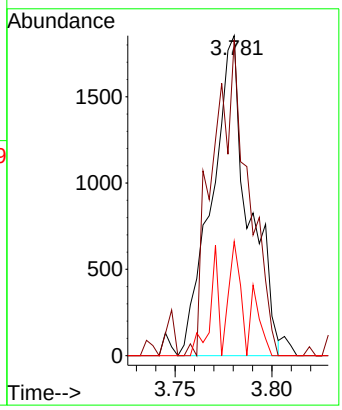


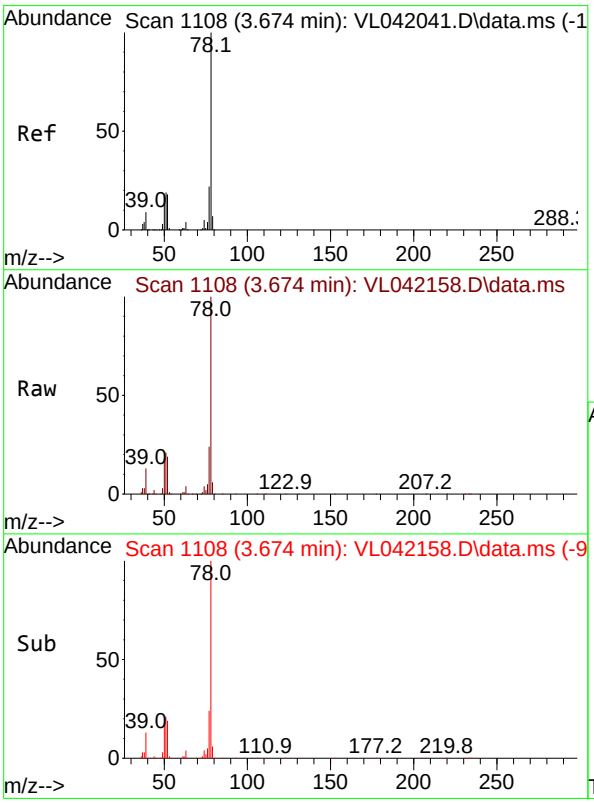
#35
Carbon Tetrachloride
Concen: 0.093 ppbv
RT: 3.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:117 Resp: 2456

Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.8	116.8
121	35.7	23.4	35.0#

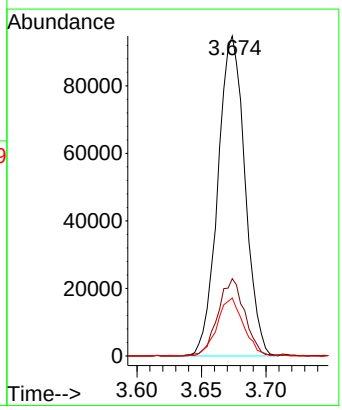


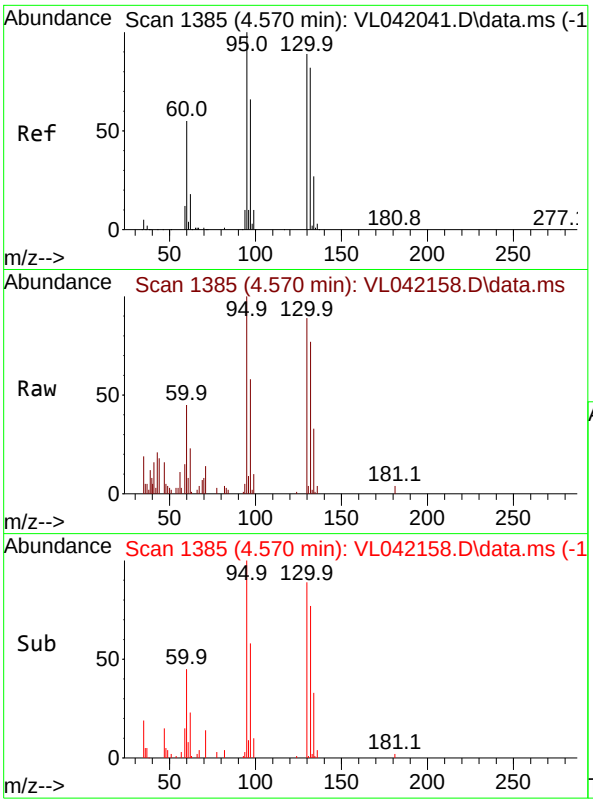


#36
Benzene
Concen: 3.457 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 78 Resp: 138238

Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.7	26.5
50	18.1	13.9	20.9



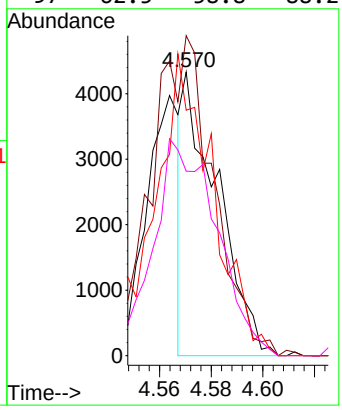


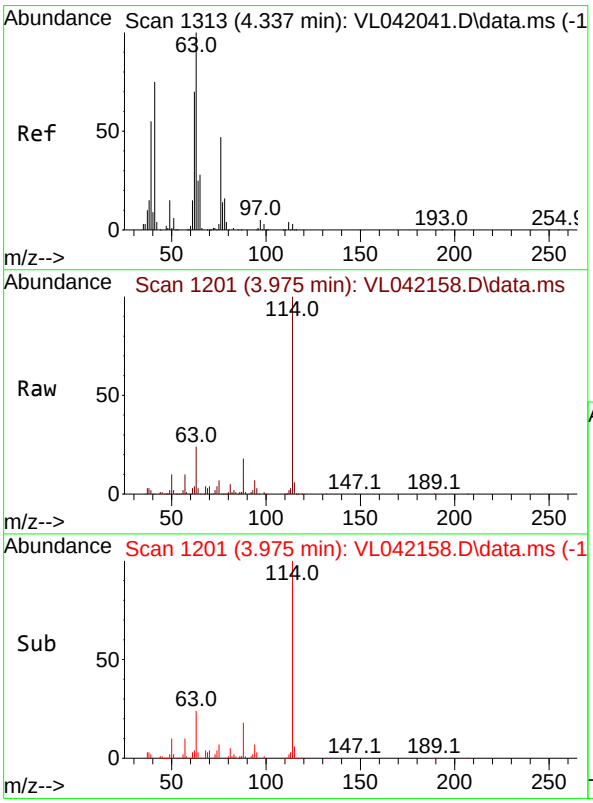
#38
Trichloroethene
Concen: 0.246 ppbv
RT: 4.570 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:130 Resp: 4011

Ion	Ratio	Lower	Upper
130	100		
95	108.4	89.5	134.3
132	83.2	73.8	110.6
97	62.5	58.8	88.2

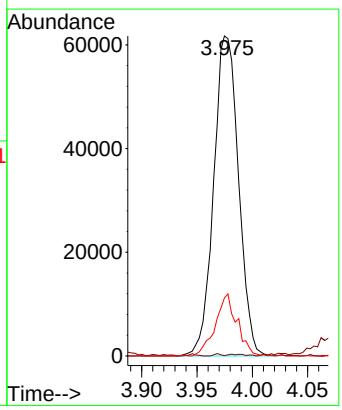


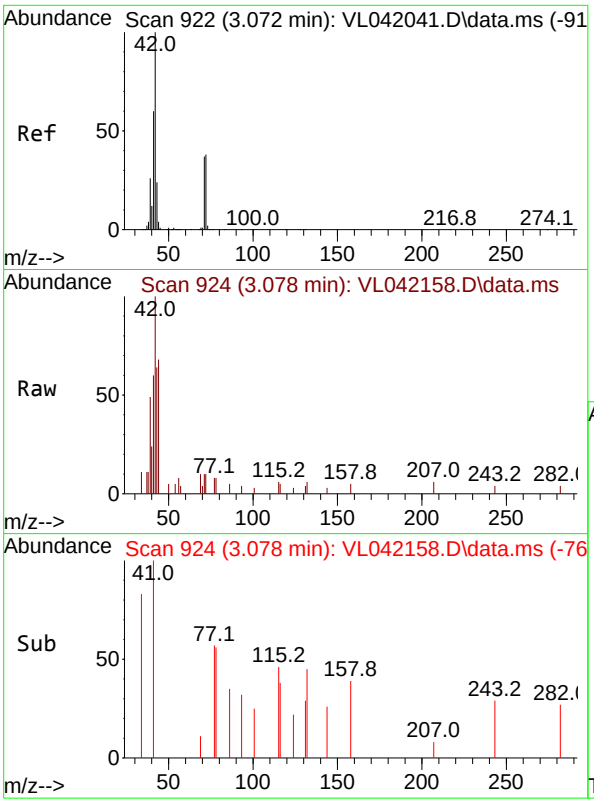


#39
1,2-Dichloropropane
Concen: 6.352 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.363 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 63 Resp: 96425

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.1	90.1#
62	18.2	55.8	83.8#



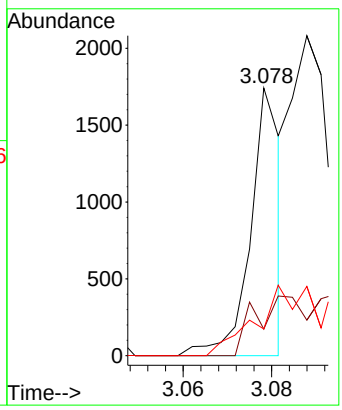


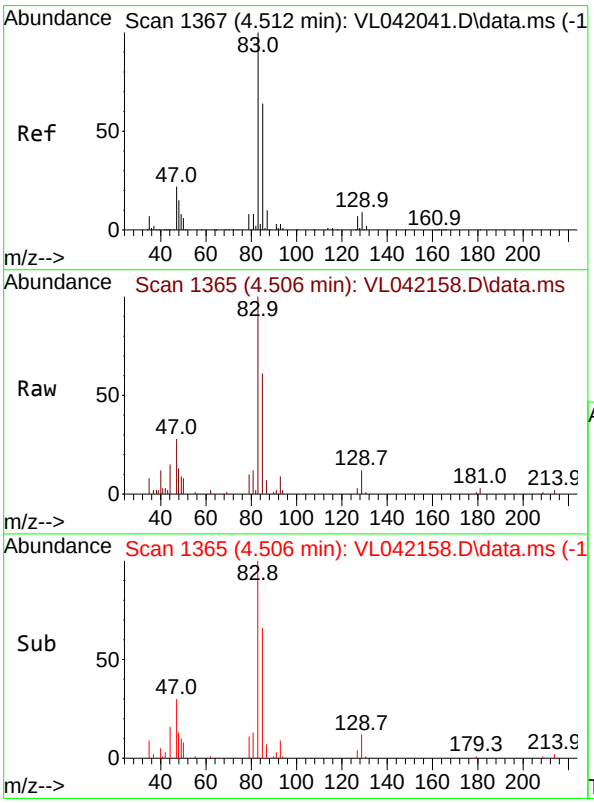
#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 42 Resp: 828

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	0.0	28.2	42.4#

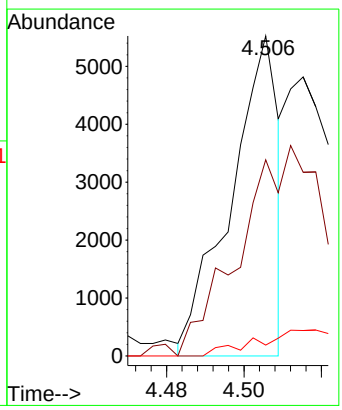


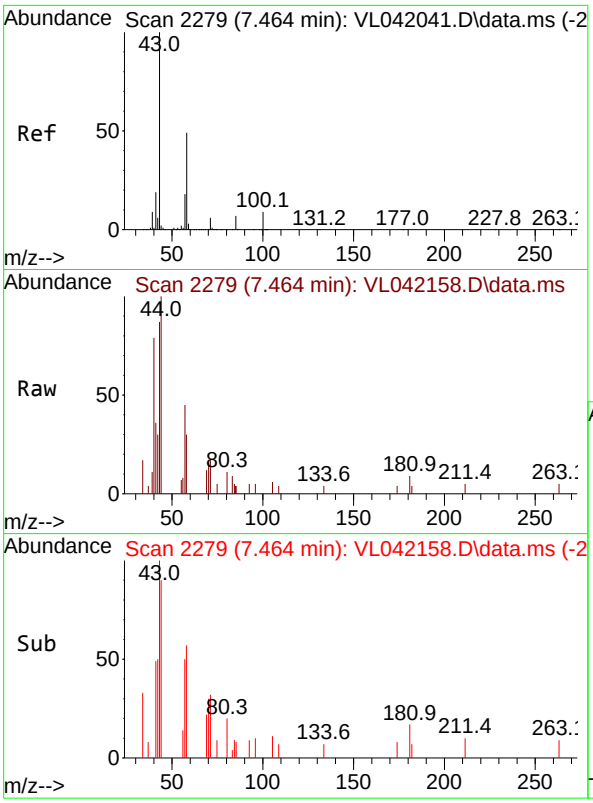


#42
Bromodichloromethane
Concen: 0.159 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 83 Resp: 4737

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2
127	3.5	5.8	8.6#



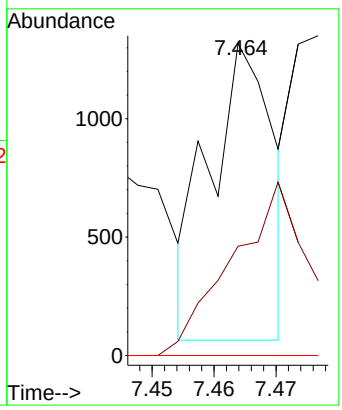


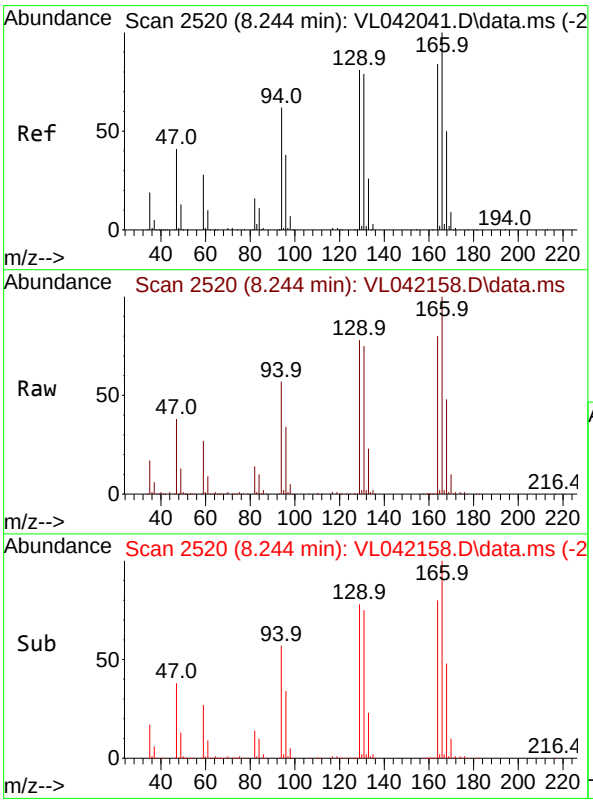
#51
2-Hexanone
Concen: 0.034 ppbv
RT: 7.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 43 Resp: 893

Ion	Ratio	Lower	Upper
43	100		
58	106.0	39.0	58.6#
98	0.0	0.1	0.1#

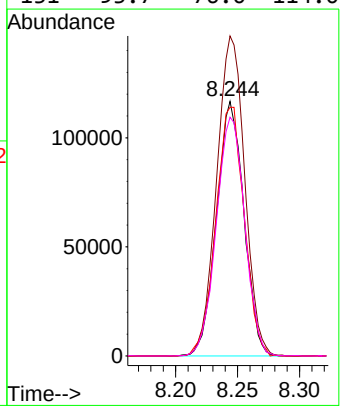


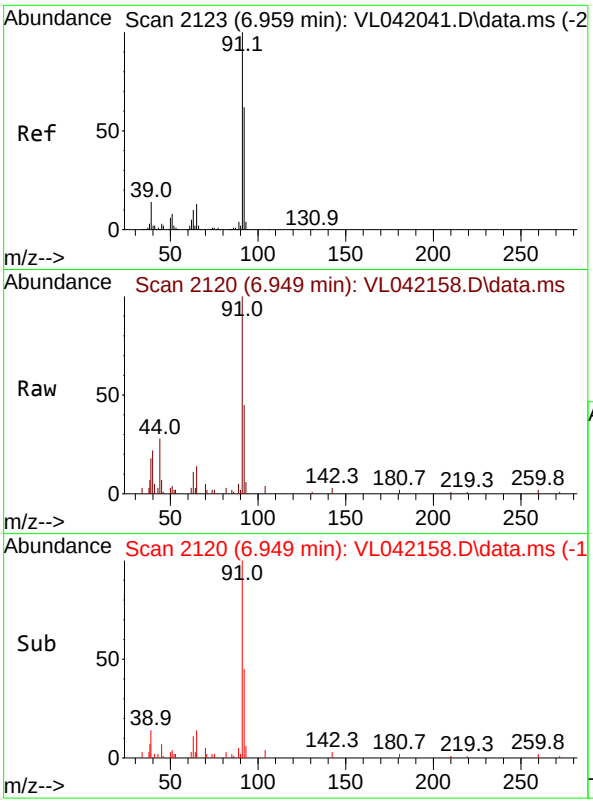


#52
Tetrachloroethene
Concen: 13.106 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:164 Resp: 179431

Ion	Ratio	Lower	Upper
164	100		
166	125.6	95.7	143.5
129	97.7	77.1	115.7
131	93.7	76.0	114.0



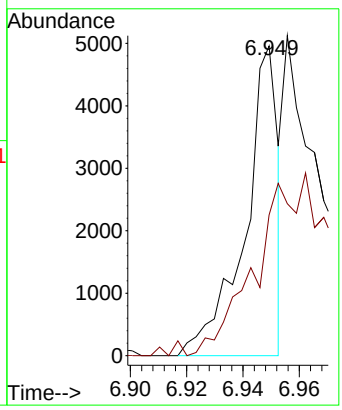


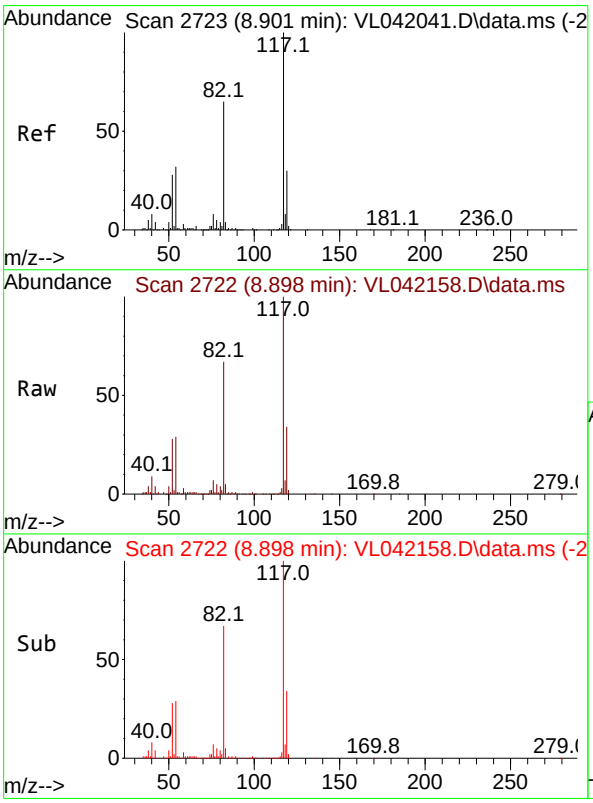
#53
Toluene
Concen: 0.090 ppbv
RT: 6.949 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 91 Resp: 4024

Ion	Ratio	Lower	Upper
91	100		
92	0.0	49.0	73.6#

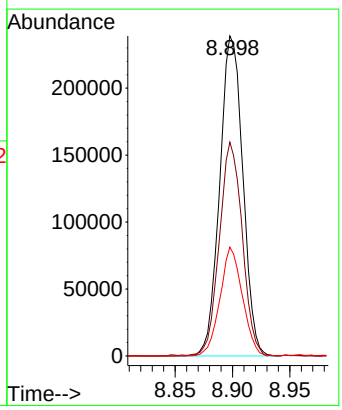


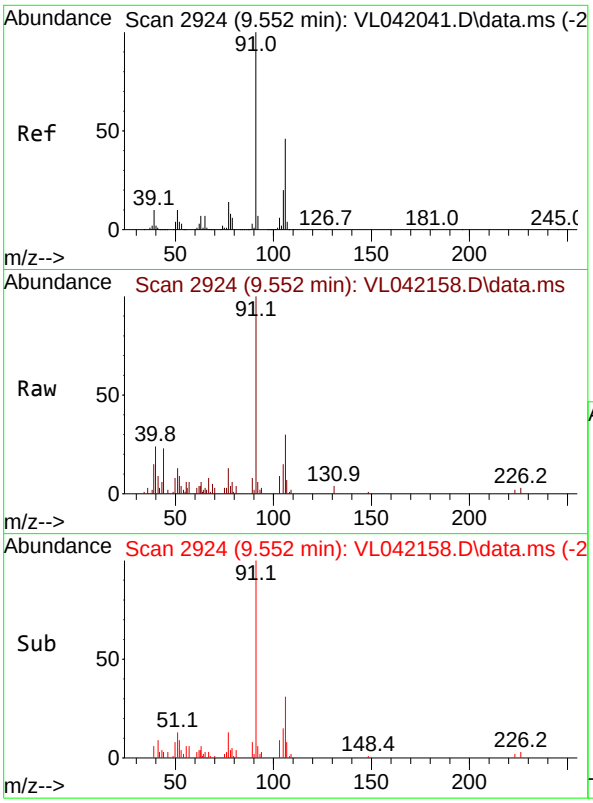


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:117 Resp: 334931

Ion	Ratio	Lower	Upper
117	100		
82	66.5	55.0	82.6
119	33.0	25.9	38.9



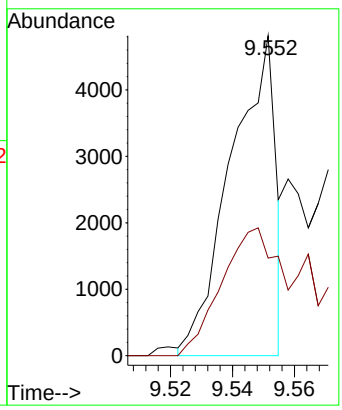


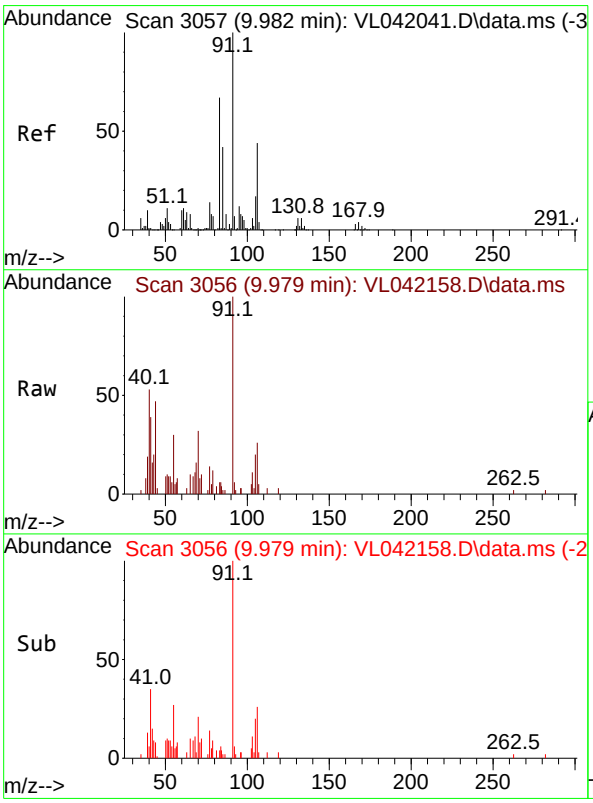
#59
m/p-Xylene
Concen: 0.099 ppbv
RT: 9.552 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 91 Resp: 4835

Ion	Ratio	Lower	Upper
91	100		
106	80.5	0.0	0.0#

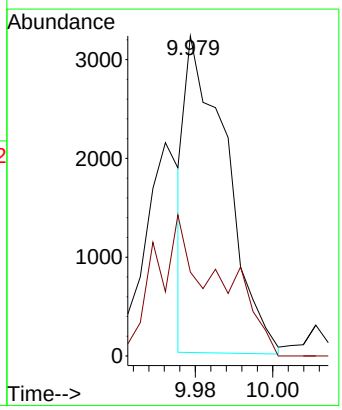


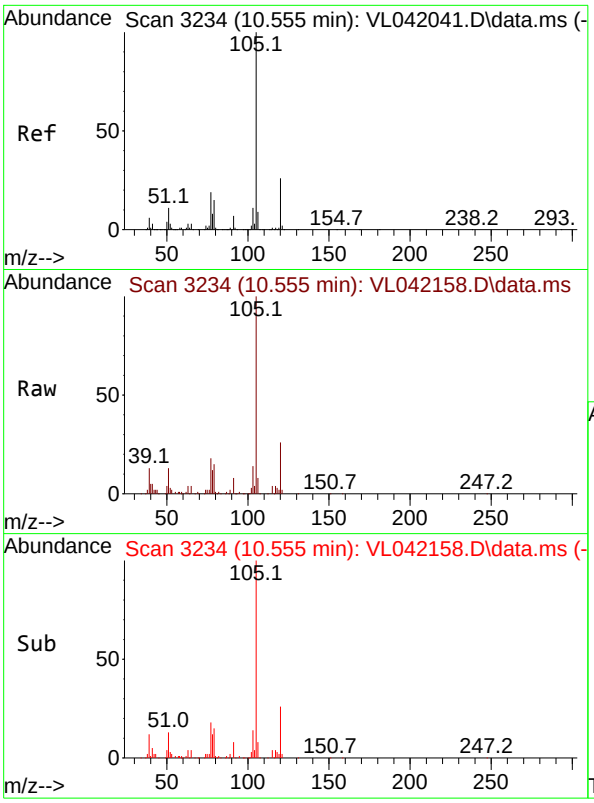


#60
o-Xylene
Concen: 0.048 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 91 Resp: 2357

Ion	Ratio	Lower	Upper
91	100		
106	71.1	22.3	66.8#



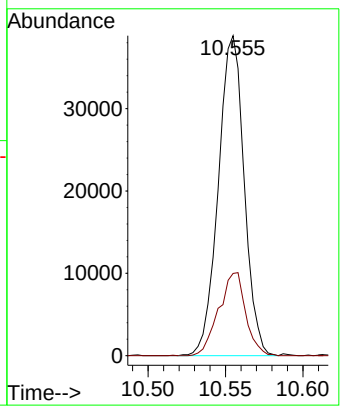


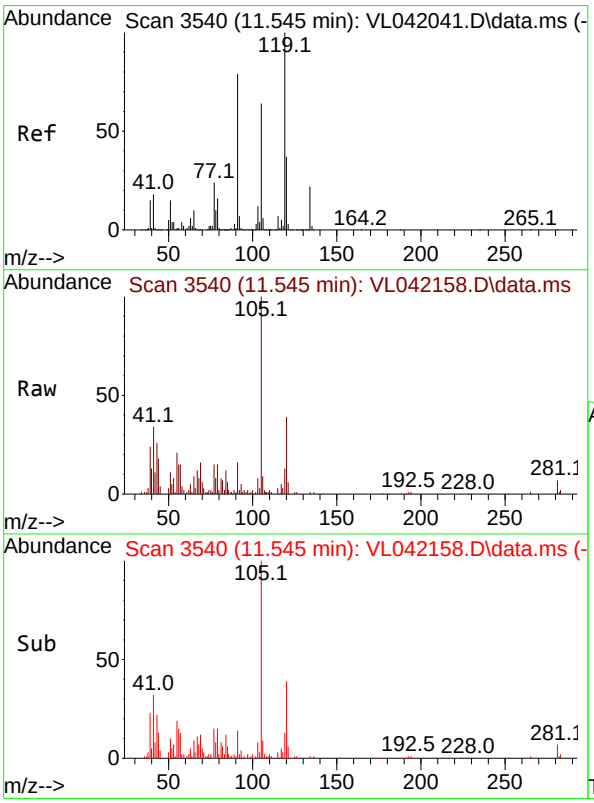
#62
Isopropylbenzene
Concen: 0.611 ppbv
RT: 10.555 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:105 Resp: 45133

Ion	Ratio	Lower	Upper
105	100		
120	27.0	20.7	31.1

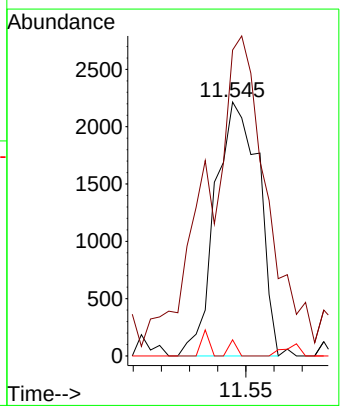


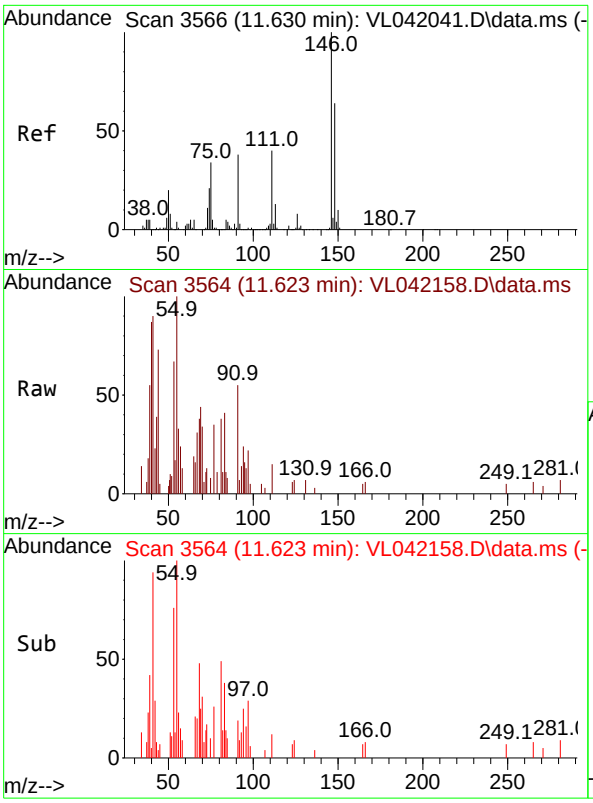


#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:119 Resp: 2382

Ion	Ratio	Lower	Upper
119	100		
91	171.2	64.2	96.2#
134	4.8	17.4	26.2#



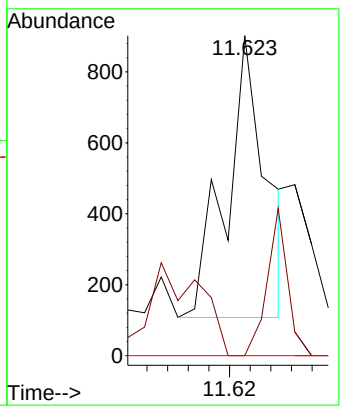


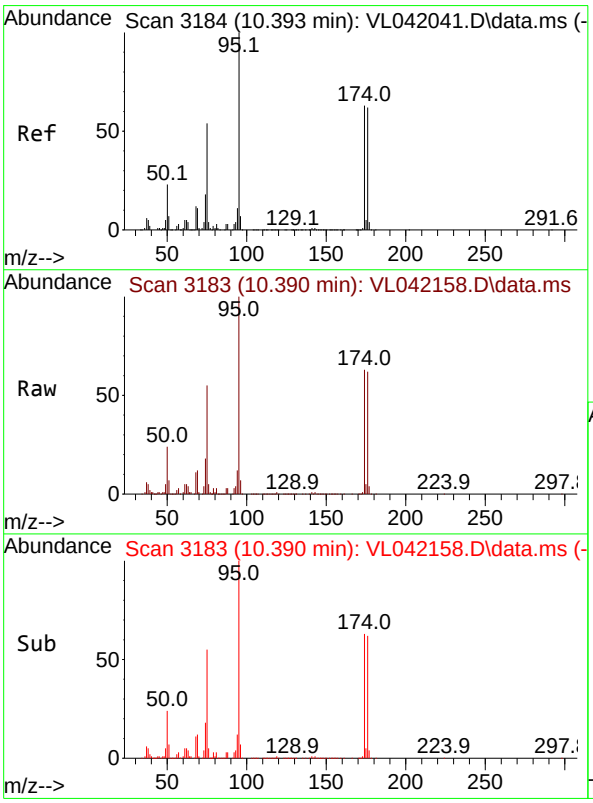
#66
Benzyl Chloride
Concen: 0.083 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion: 91 Resp: 424

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.5	21.7#
128	0.0	5.4	8.2#

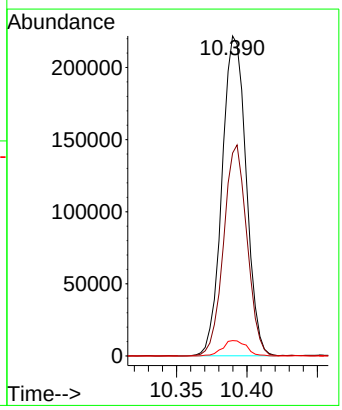


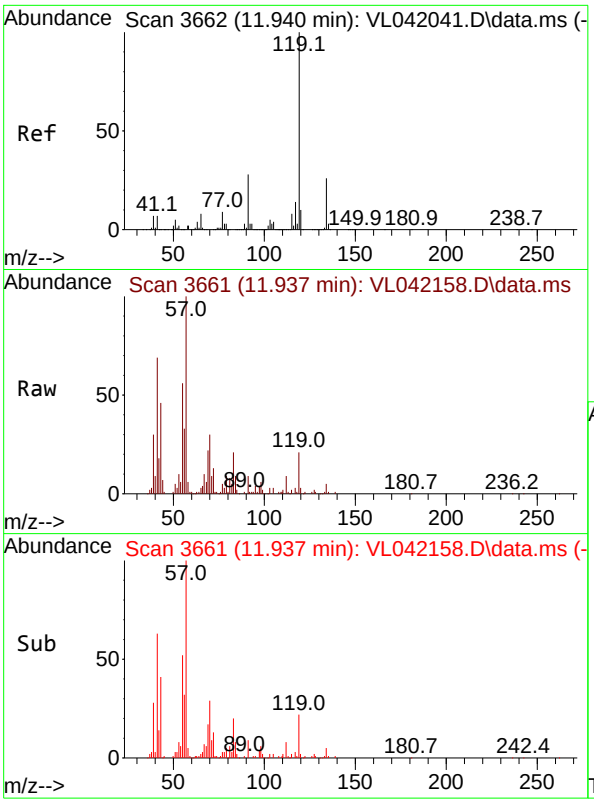


#68
1-Bromo-4-Fluorobenzene
Concen: 10.251 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 95 Resp: 264151

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.8	77.6
175	4.8	3.9	5.9



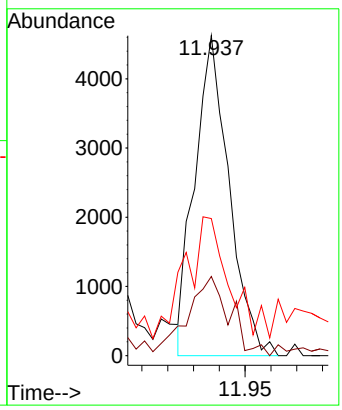


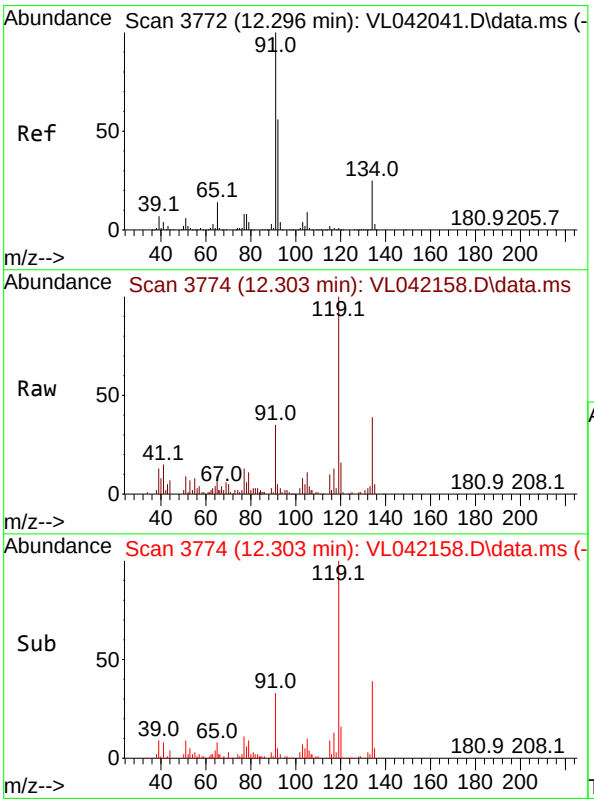
#69
p-Isopropyltoluene
Concen: 0.056 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:119 Resp: 4286

Ion	Ratio	Lower	Upper
119	100		
134	33.2	20.9	31.3#
91	73.1	23.1	34.7#

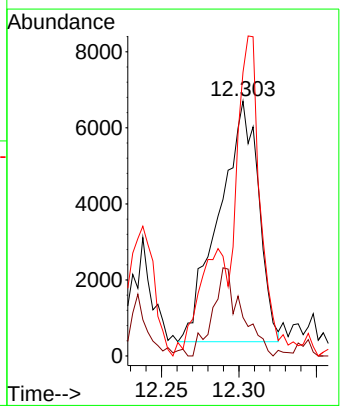


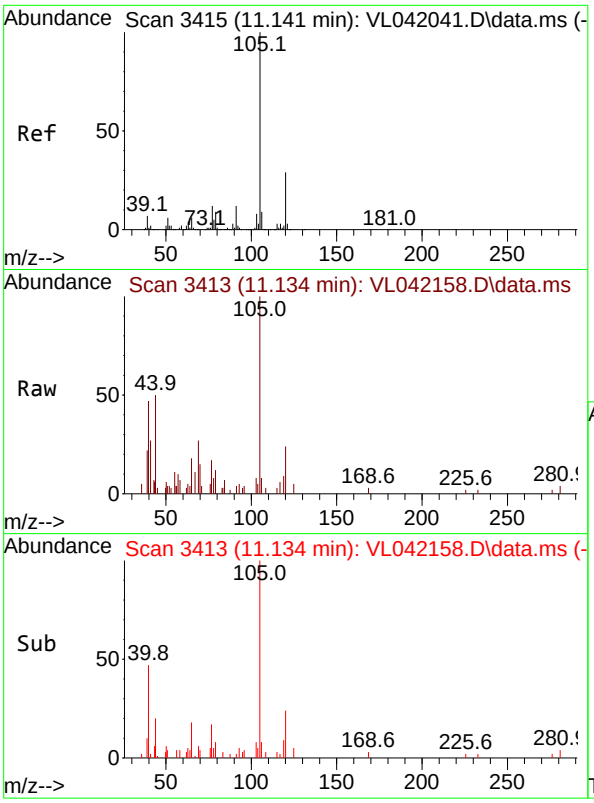


#70
n-Butylbenzene
Concen: 0.143 ppbv
RT: 12.303 min Scan# 3774
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 91 Resp: 11208

Ion	Ratio	Lower	Upper
91	100		
92	27.4	44.7	67.1#
134	113.0	18.9	28.3#



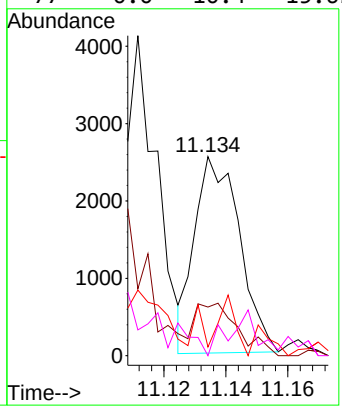


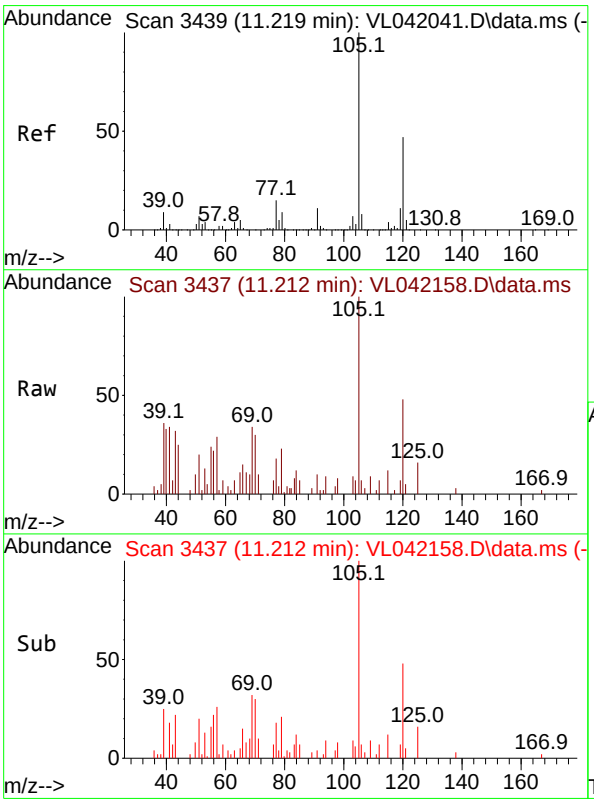
#72
4-Ethyltoluene
Concen: 0.042 ppbv
RT: 11.134 min Scan# 34
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:105 Resp: 2554

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.1	36.1#
91	0.0	10.2	15.4#
77	0.0	10.4	15.6#

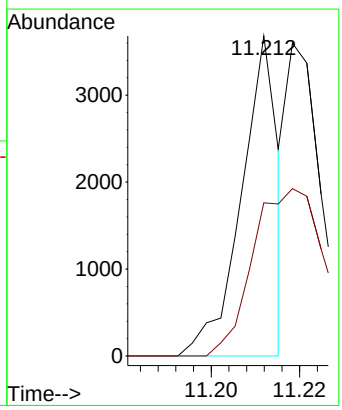


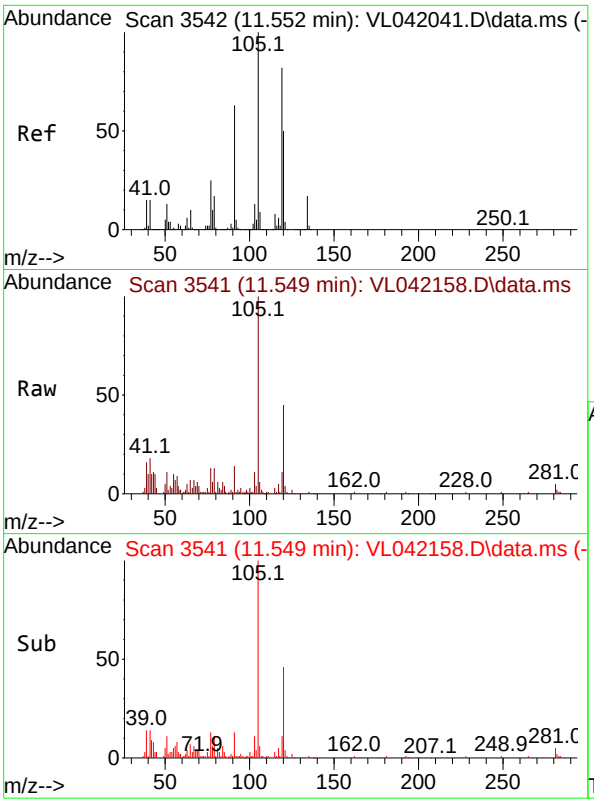


#73
1,3,5-Trimethylbenzene
Concen: 0.041 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:105 Resp: 2119

Ion	Ratio	Lower	Upper
105	100		
120	53.4	37.4	56.0



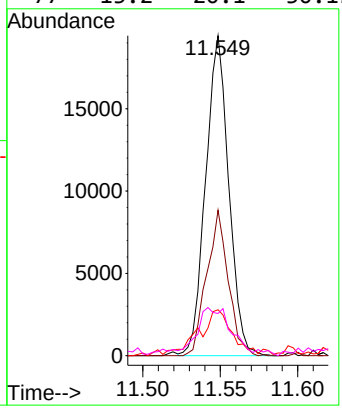


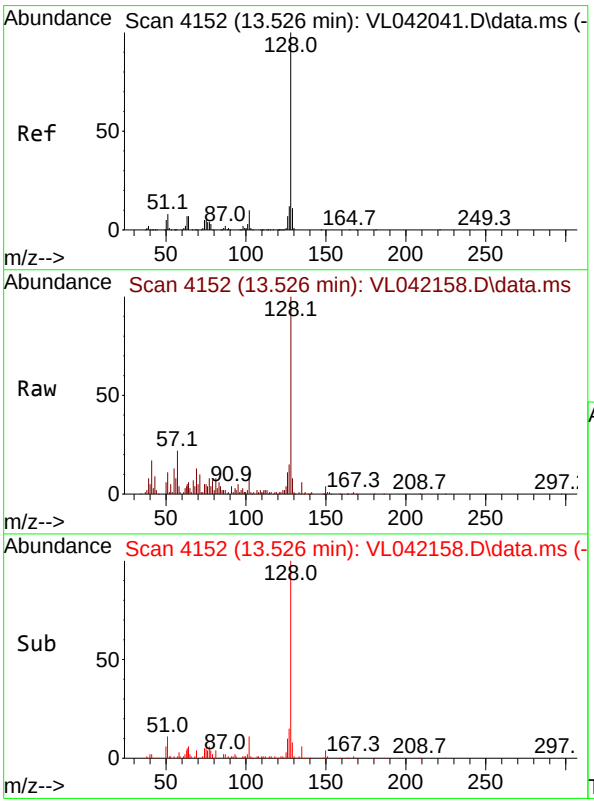
#74
1,2,4-Trimethylbenzene
Concen: 0.342 ppbv
RT: 11.549 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:105 Resp: 20132

Ion	Ratio	Lower	Upper
105	100		
120	45.4	40.2	60.2
91	13.5	51.4	77.2#
77	13.2	20.1	30.1#

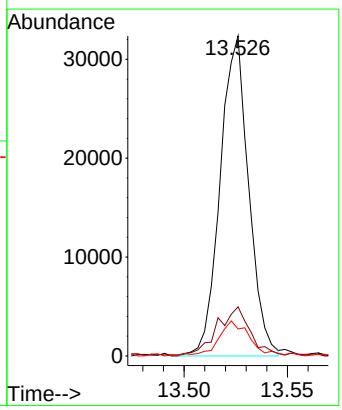


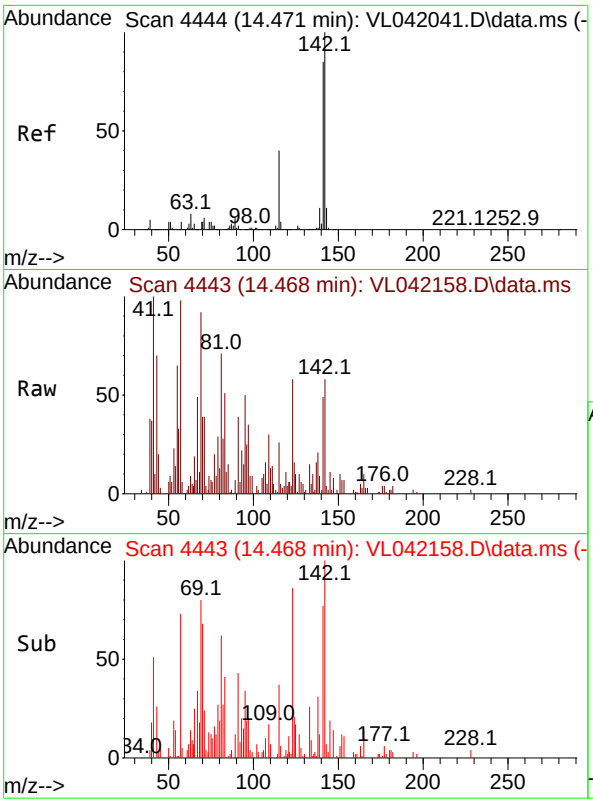


#79
Naphthalene
Concen: 0.770 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:128 Resp: 31084

Ion	Ratio	Lower	Upper
128	100		
127	15.1	9.8	14.6#
129	8.2	8.6	12.8#



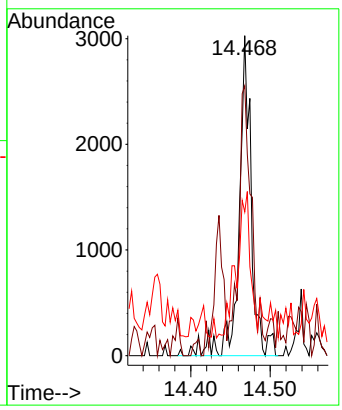


#80
Naphthalene,2-methyl-
Concen: 0.294 ppbv
RT: 14.468 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

Tgt Ion:142 Resp: 3244

Ion	Ratio	Lower	Upper
142	100		
141	131.0	65.8	98.6#
115	72.1	29.5	44.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042159.D
Acq On : 17 Mar 2025 15:53
Operator : SY/MD
Sample : Q1586-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Quant Time: Mar 18 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

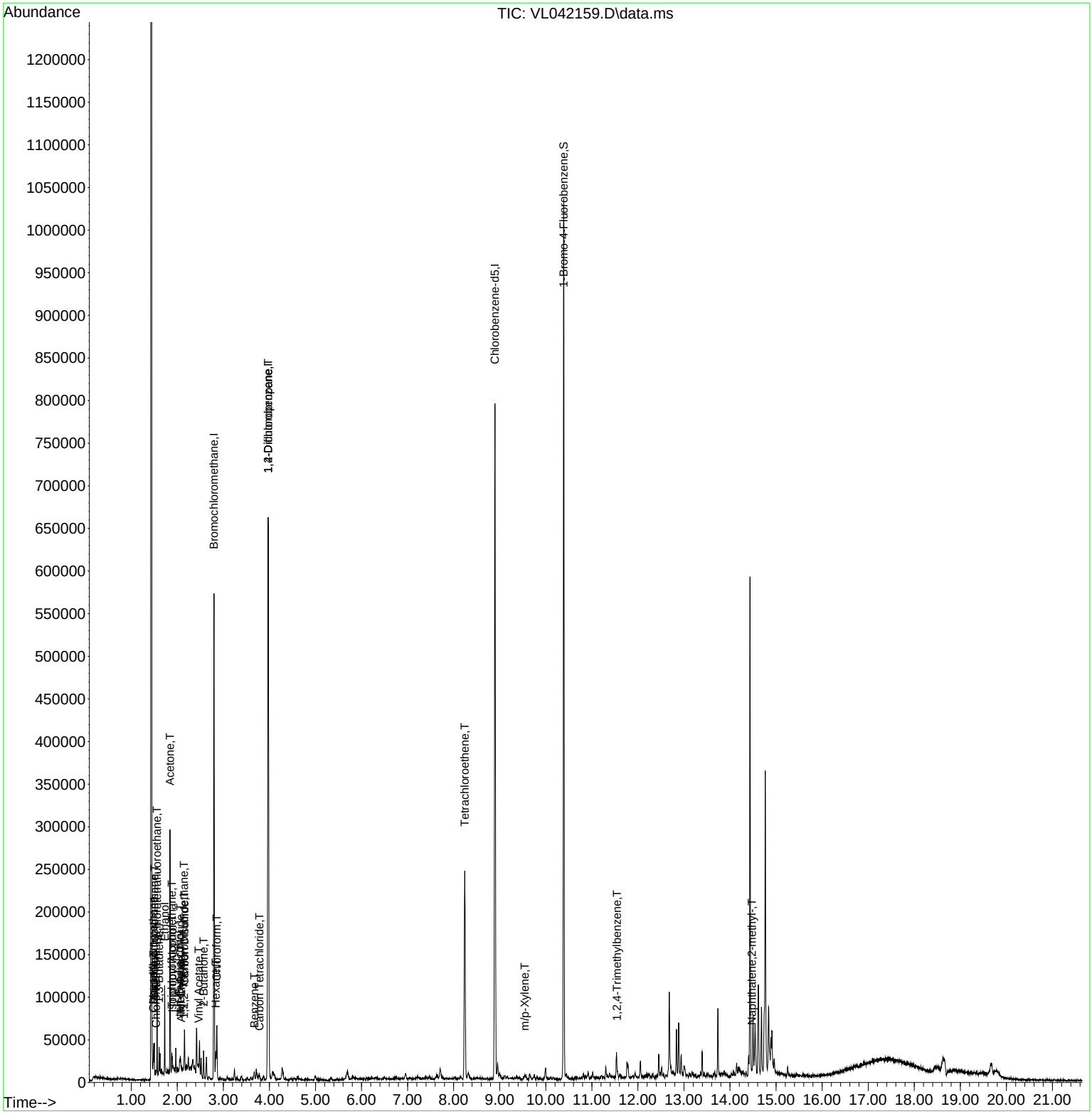
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	161407	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.971	114	390134	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	319342	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	249363	10.150	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9053	0.539	ppbv		99
3) Chlorodifluoromethane	1.479	51	7553	0.322	ppbv		98
4) Chloromethane	1.538	50	534	0.086	ppbv	#	83
8) Dichlorotetrafluoroethane	1.560	85	417	0.030	ppbv		88
9) Propene	1.486	41	4314	0.451	ppbv		96
11) Trichlorofluoromethane	1.881	101	5286	0.314	ppbv		93
12) 1,1,2-Trichlorotrifluo...	2.143	101	725	0.054	ppbv	#	46
13) Ethanol	1.725	45	34953	57.615	ppbv		90
15) Acetone	1.842	43	121151	8.499	ppbv		98
16) 1,3-Butadiene	1.602	39	3760	0.567	ppbv	#	27
17) tert-Butyl alcohol	2.049	59	4187	0.235	ppbv	#	82
19) Isopropyl Alcohol	1.894	45	5923	0.723	ppbv	#	1
20) Methylene Chloride	2.068	84	2702	0.501	ppbv	#	78
21) Allyl Chloride	2.081	41	651	0.063	ppbv	#	36
23) Vinyl Acetate	2.463	43	2325	0.232	ppbv	#	88
26) Hexane	2.839	57	6791	0.294	ppbv	#	35
27) Carbon Disulfide	2.156	76	23496	1.503	ppbv	#	1
29) Chloroform	2.858	83	24129	0.777	ppbv		97
34) 2-Butanone	2.570	43	20731	0.682	ppbv		96
35) Carbon Tetrachloride	3.780	117	1068	0.040	ppbv	#	54
36) Benzene	3.674	78	4592	0.112	ppbv	#	94
39) 1,2-Dichloropropane	3.971	63	99455	6.416	ppbv	#	23
52) Tetrachloroethene	8.241	164	43646	3.122	ppbv		96
59) m/p-Xylene	9.542	91	1837	0.039	ppbv	#	100
74) 1,2,4-Trimethylbenzene	11.545	105	1946	0.035	ppbv	#	67
80) Naphthalene,2-methyl-	14.474	142	503	0.048	ppbv	#	91

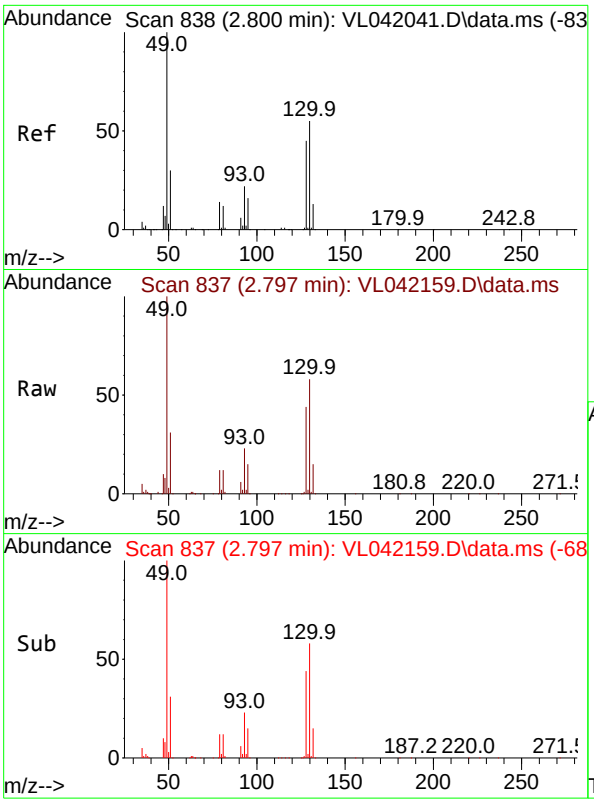
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
Data File : VL042159.D
Acq On : 17 Mar 2025 15:53
Operator : SY/MD
Sample : Q1586-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Quant Time: Mar 18 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



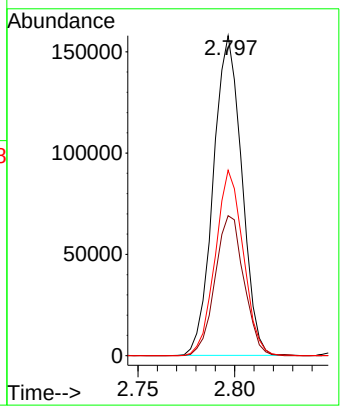


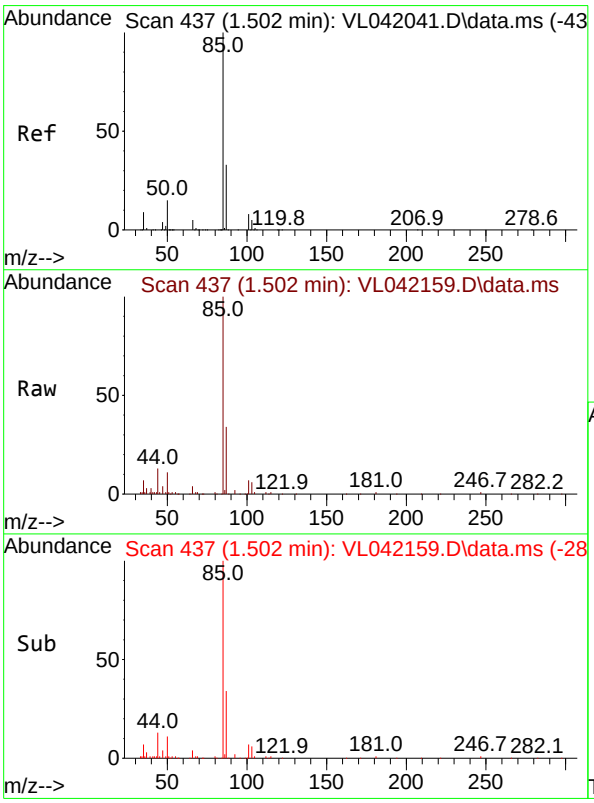
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 49 Resp: 161407

Ion	Ratio	Lower	Upper
49	100		
128	44.3	21.6	64.8
130	57.2	27.8	83.4

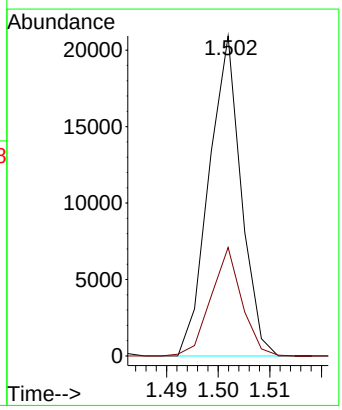


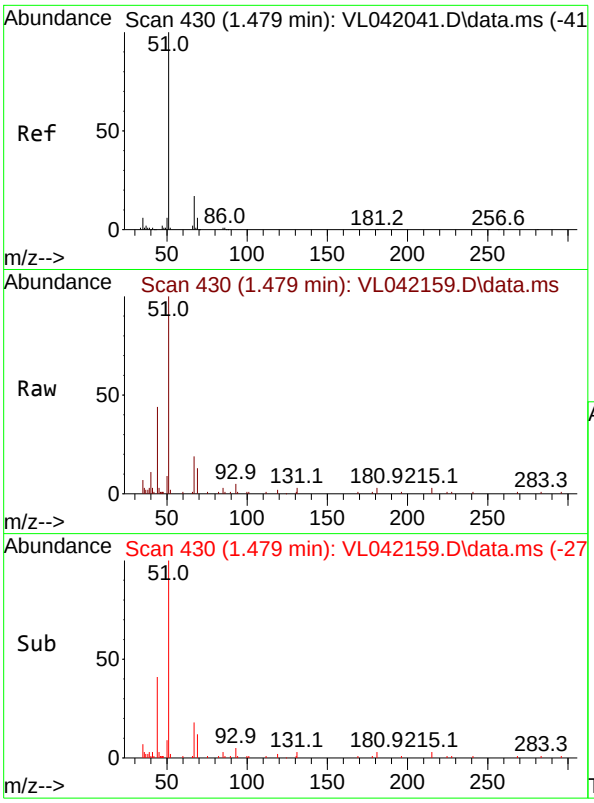


#2
Dichlorodifluoromethane
Concen: 0.539 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 85 Resp: 9053

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.4	39.6



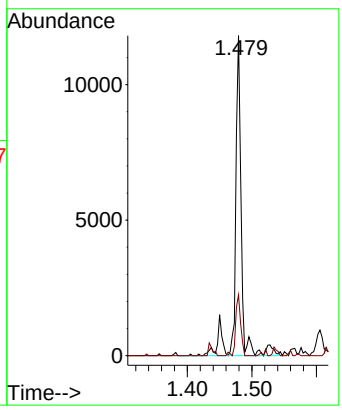


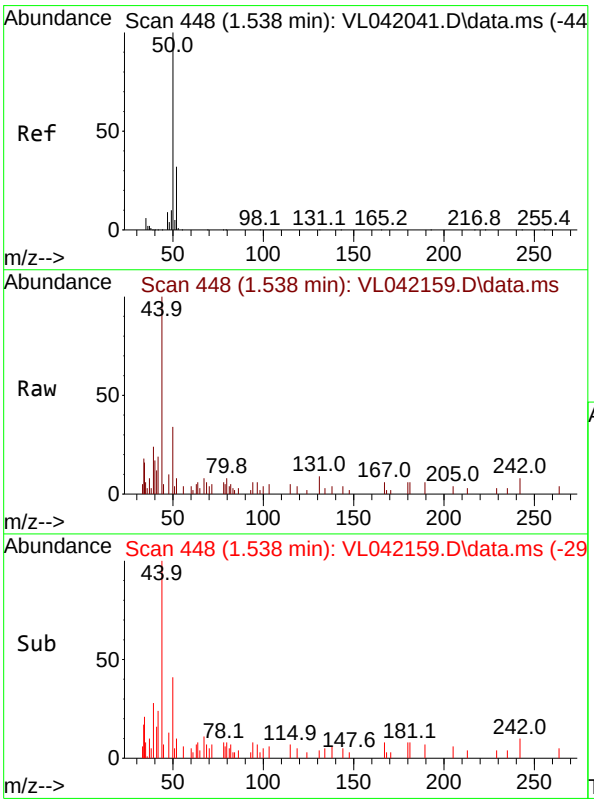
#3
Chlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 51 Resp: 7553

Ion	Ratio	Lower	Upper
51	100		
67	16.0	13.7	20.5

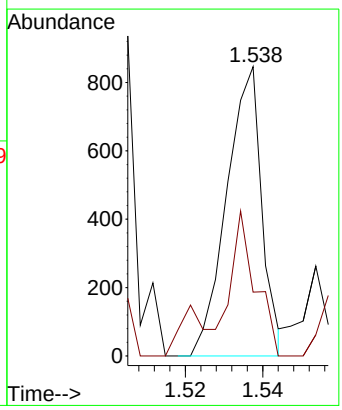


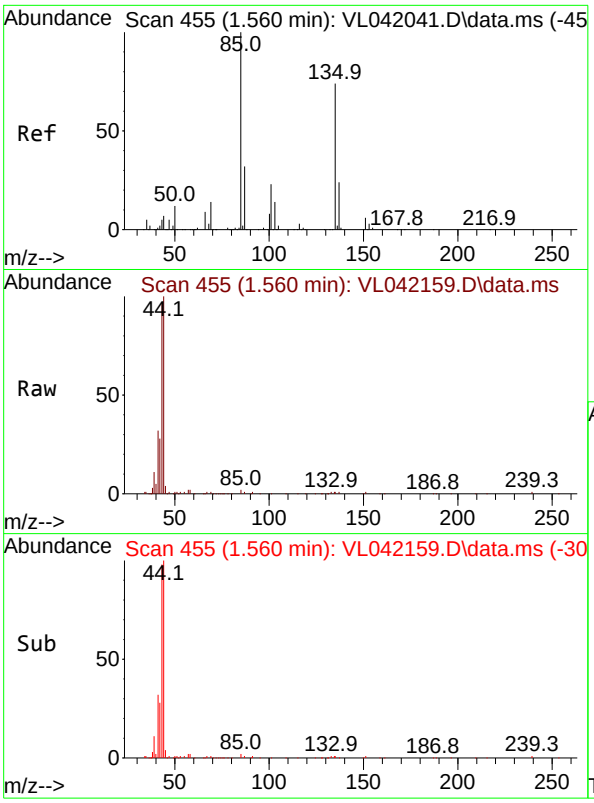


#4
Chloromethane
Concen: 0.086 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 50 Resp: 534

Ion	Ratio	Lower	Upper
50	100		
52	22.1	25.4	38.0#



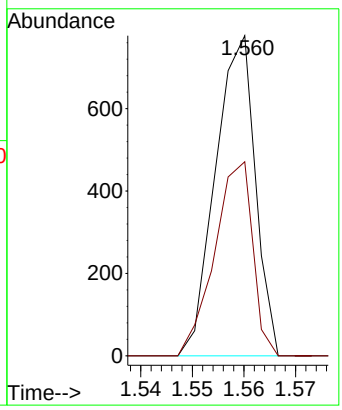


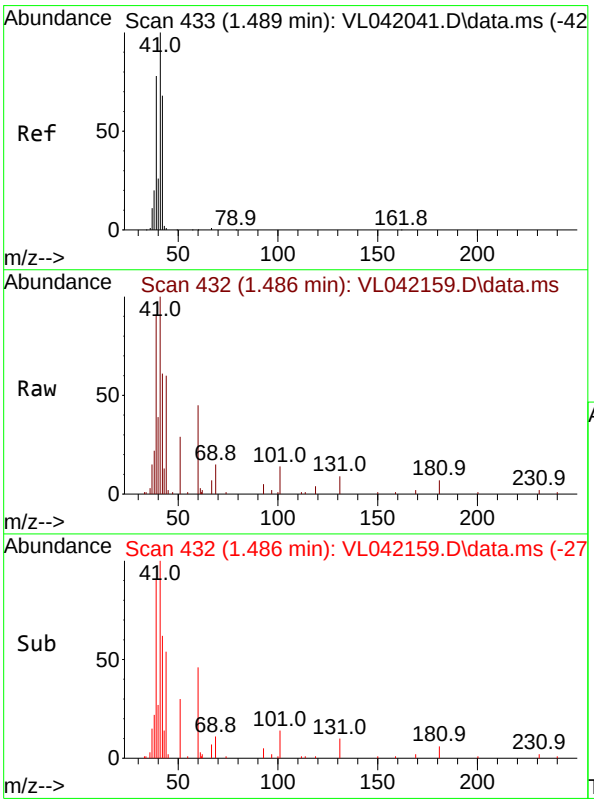
#8
Dichlorotetrafluoroethane
Concen: 0.030 ppbv
RT: 1.560 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 85 Resp: 417

Ion	Ratio	Lower	Upper
85	100		
135	58.3	54.6	81.8

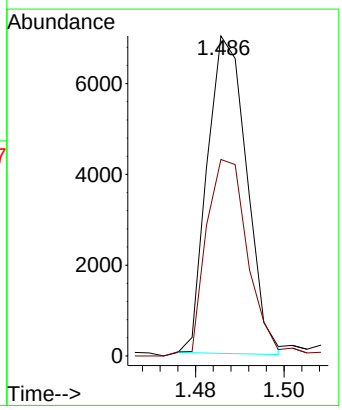


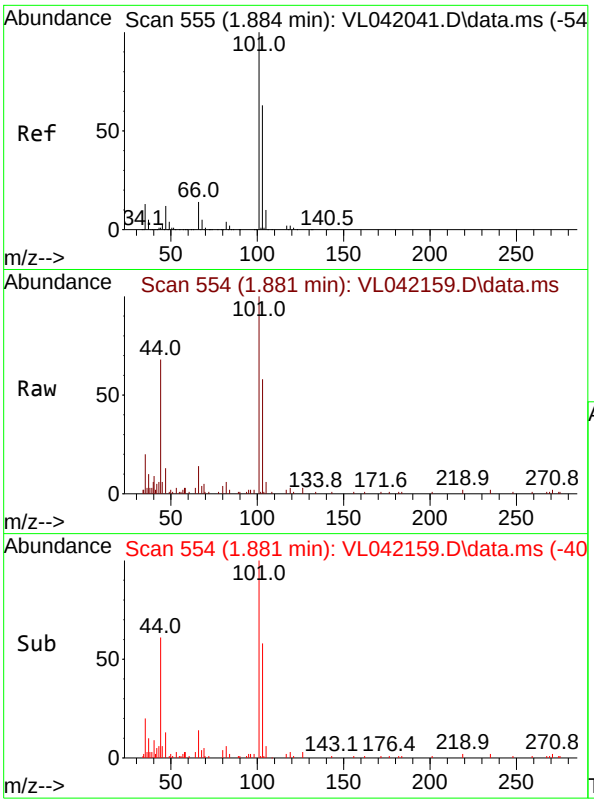


#9
Propene
Concen: 0.451 ppbv
RT: 1.486 min Scan# 432
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 41 Resp: 4314

Ion	Ratio	Lower	Upper
41	100		
42	66.7	55.8	83.6



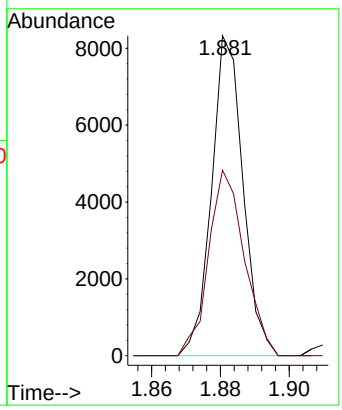


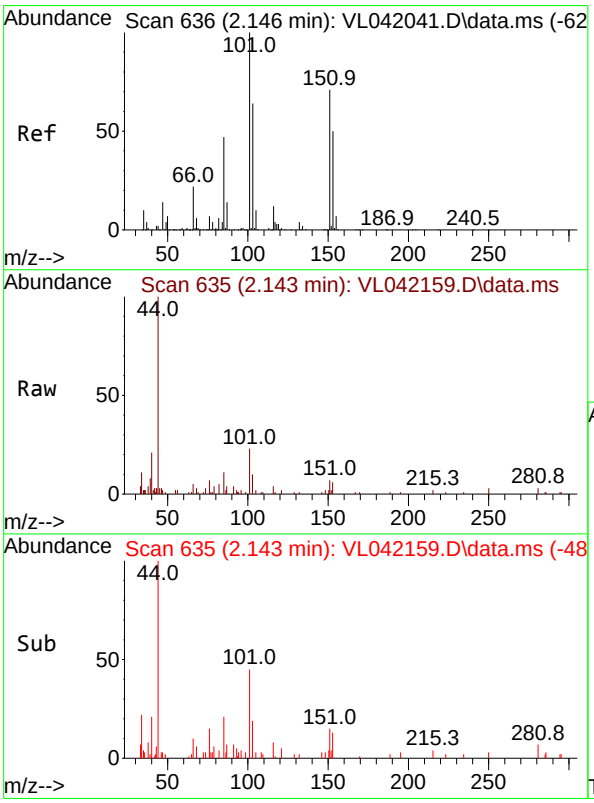
#11
Trichlorofluoromethane
Concen: 0.314 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion:101 Resp: 5286

Ion	Ratio	Lower	Upper
101	100		
103	58.0	50.6	75.8

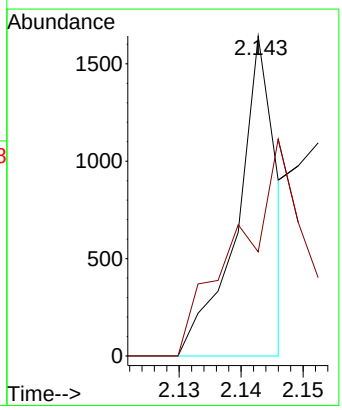


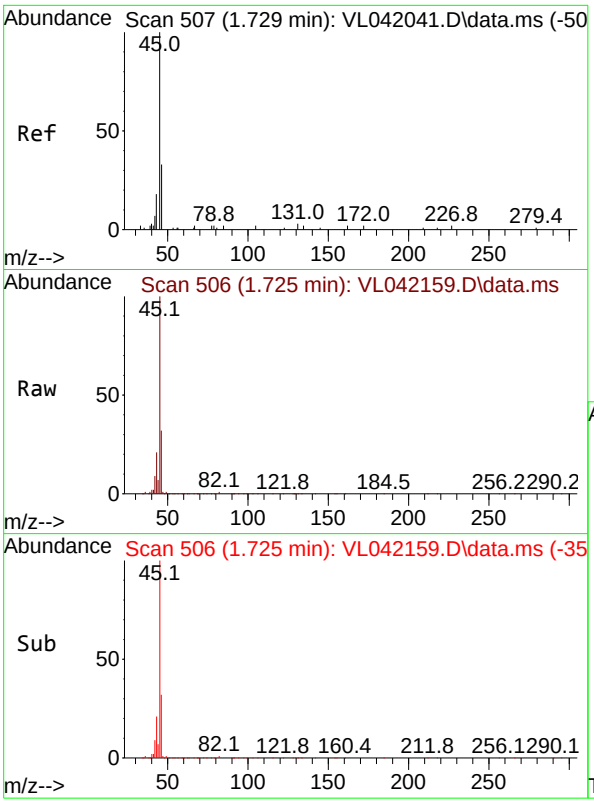


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.054 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:101 Resp: 725

Ion	Ratio	Lower	Upper
101	100		
151	125.0	62.6	94.0#



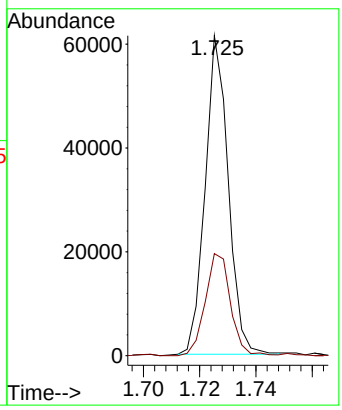


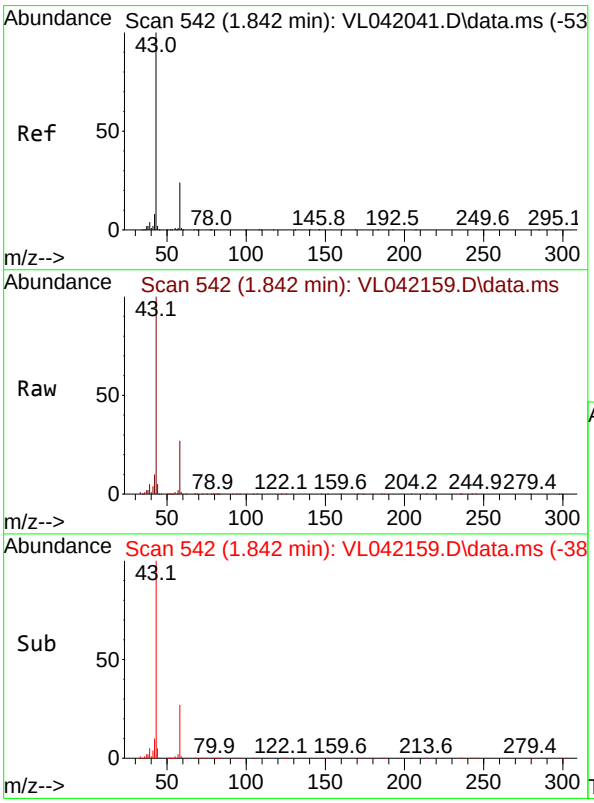
#13
Ethanol
Concen: 57.615 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 45 Resp: 34953

Ion	Ratio	Lower	Upper
45	100		
46	36.6	17.1	68.3

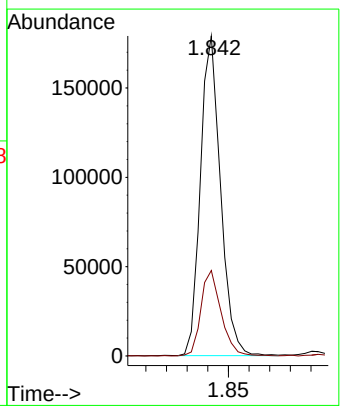


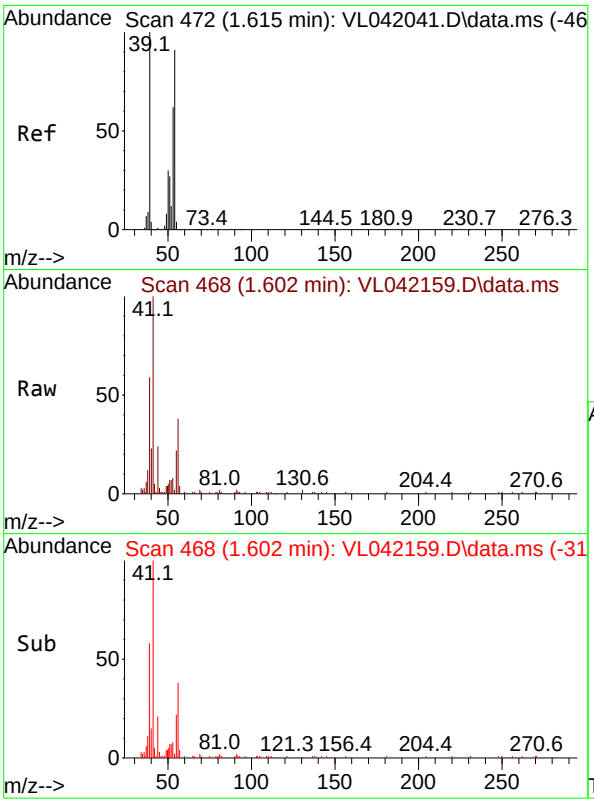


#15
Acetone
Concen: 8.499 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 43 Resp: 121151

Ion	Ratio	Lower	Upper
43	100		
58	27.0	20.7	31.1



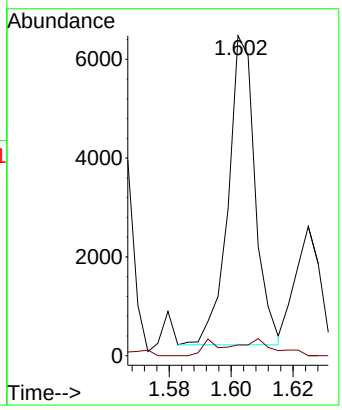


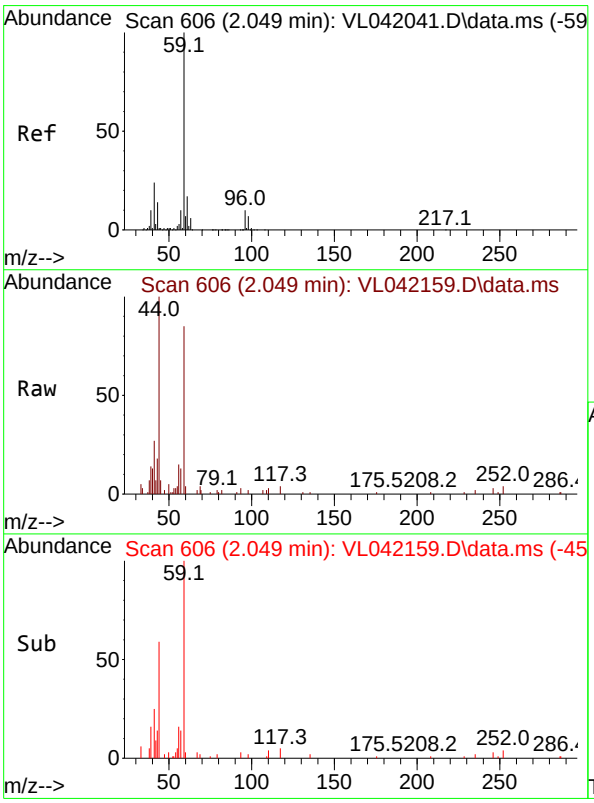
#16
1,3-Butadiene
Concen: 0.567 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 39 Resp: 3760

Ion	Ratio	Lower	Upper
39	100		
54	12.2	59.6	89.4#

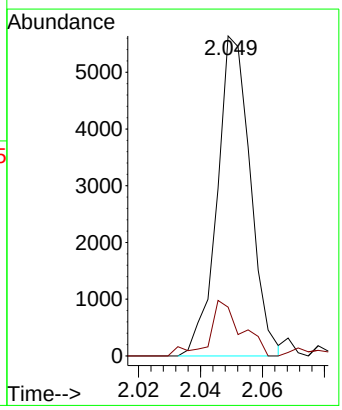


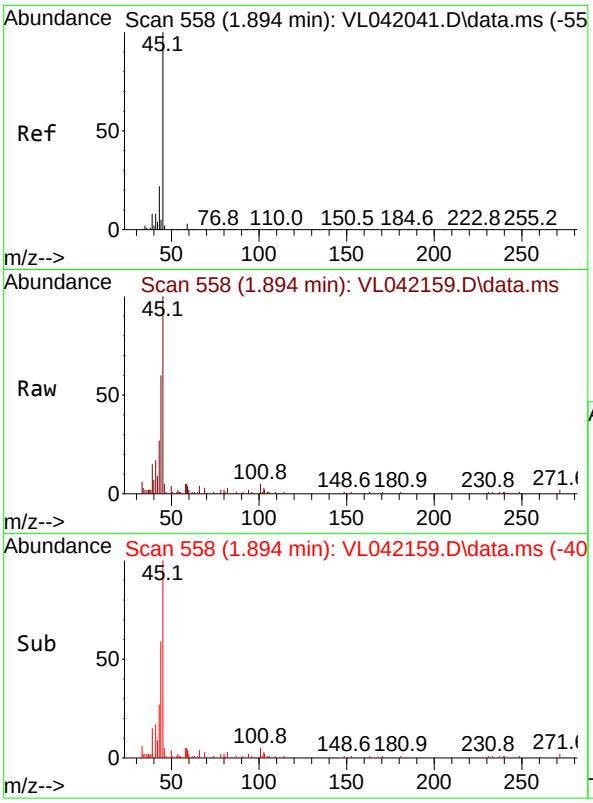


#17
tert-Butyl alcohol
Concen: 0.235 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 59 Resp: 4187

Ion	Ratio	Lower	Upper
59	100		
57	18.6	9.3	13.9#



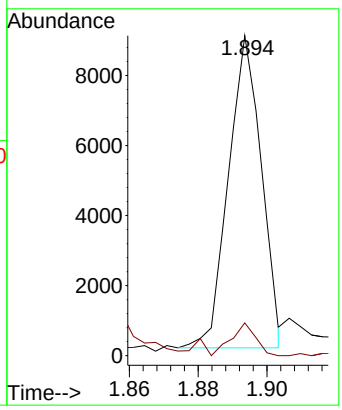


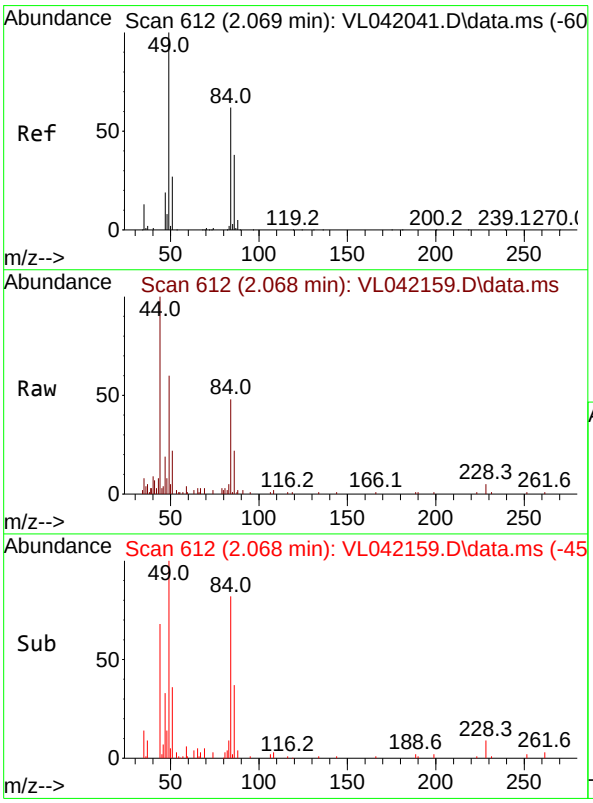
#19
Isopropyl Alcohol
Concen: 0.723 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 45 Resp: 5923

Ion	Ratio	Lower	Upper
45	100		
58	551.0	35.3	52.9#

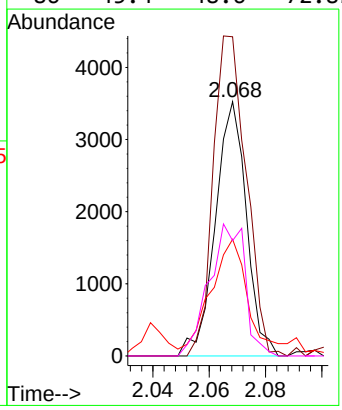


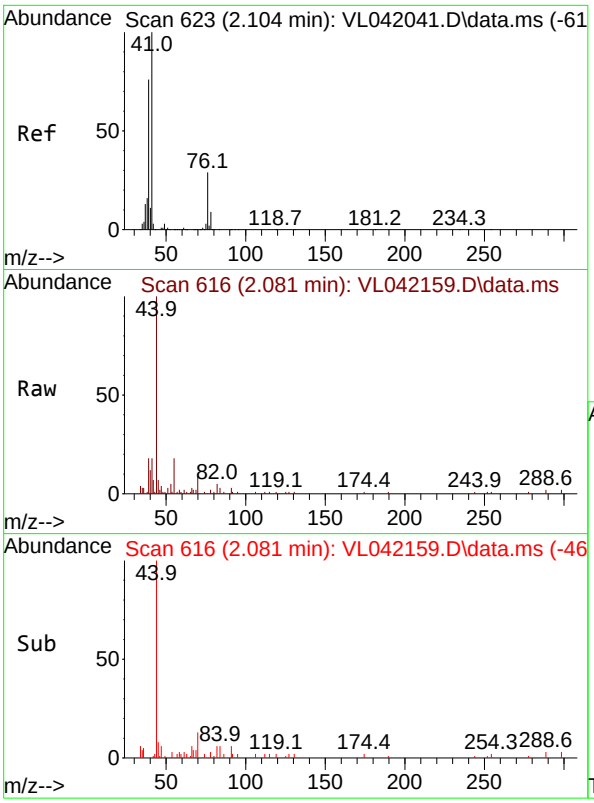


#20
Methylene Chloride
Concen: 0.501 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 84 Resp: 2702

Ion	Ratio	Lower	Upper
84	100		
49	125.5	130.0	195.0#
51	43.2	37.4	56.0
86	45.4	48.6	72.8#



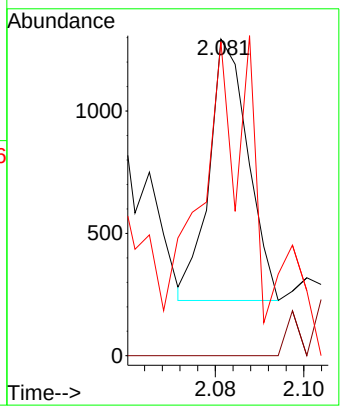


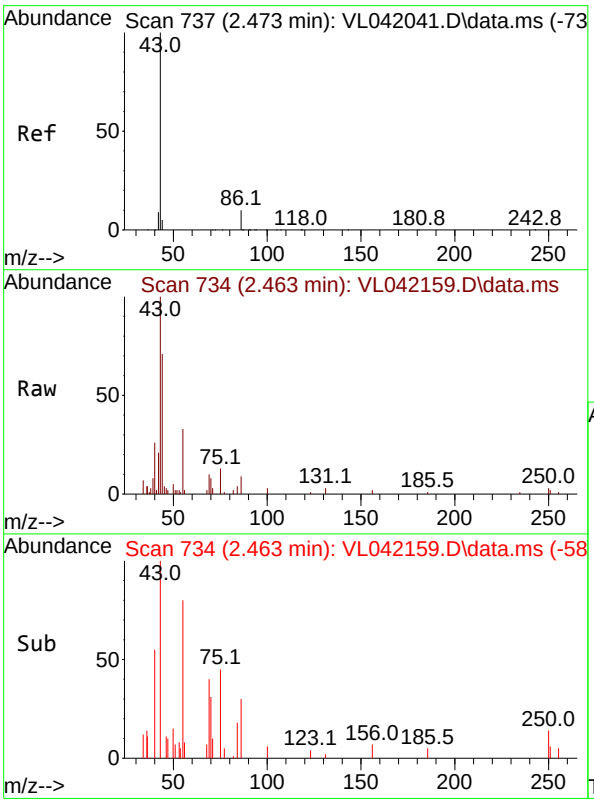
#21
Allyl Chloride
Concen: 0.063 ppbv
RT: 2.081 min Scan# 61
Delta R.T. -0.023 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 41 Resp: 651

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.8	35.6#
39	139.3	63.8	95.6#

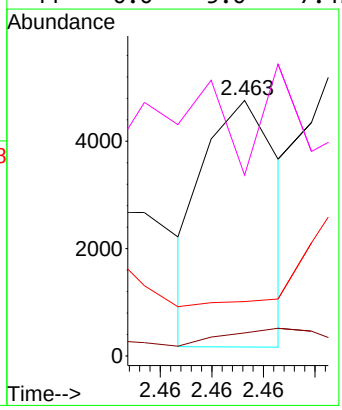


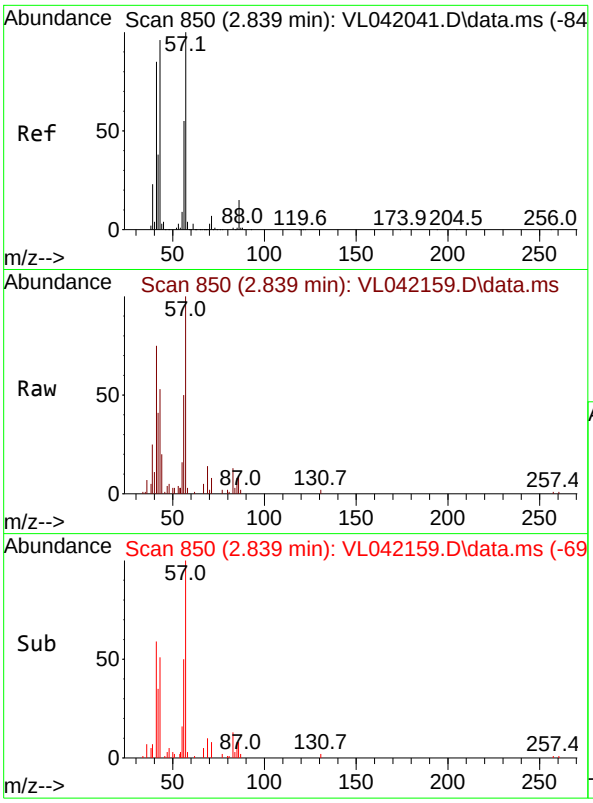


#23
Vinyl Acetate
Concen: 0.232 ppbv
RT: 2.463 min Scan# 734
Delta R.T. -0.010 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 43 Resp: 2325

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.0	10.4
42	3.7	7.6	11.4#
44	0.0	5.0	7.4#



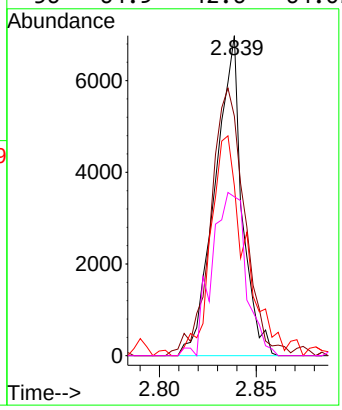


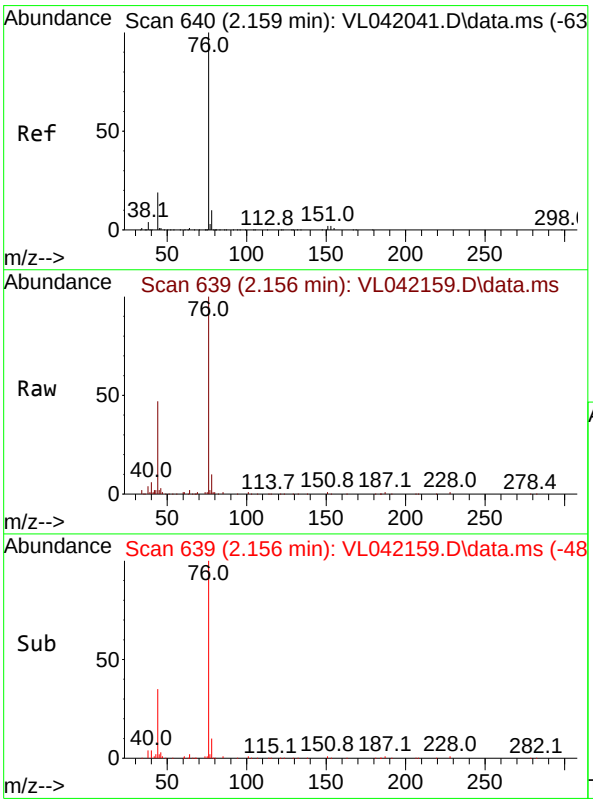
#26
Hexane
Concen: 0.294 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 57 Resp: 6791

Ion	Ratio	Lower	Upper
57	100		
41	108.2	70.6	106.0#
43	92.3	199.4	299.0#
56	64.9	42.6	64.0#

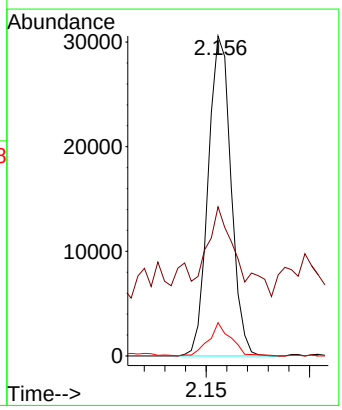


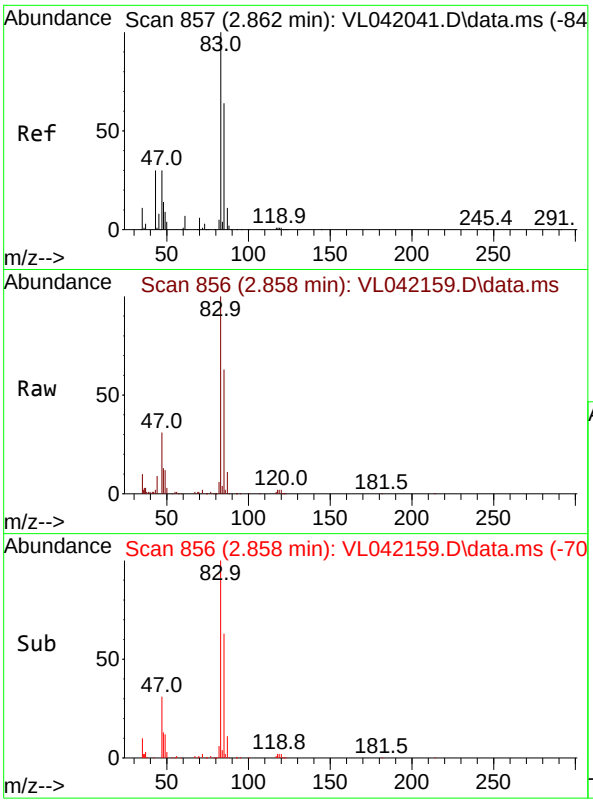


#27
Carbon Disulfide
Concen: 1.503 ppbv
RT: 2.156 min Scan# 639
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 76 Resp: 23496

Ion	Ratio	Lower	Upper
76	100		
44	112.9	16.2	24.2#
78	10.3	9.4	14.0



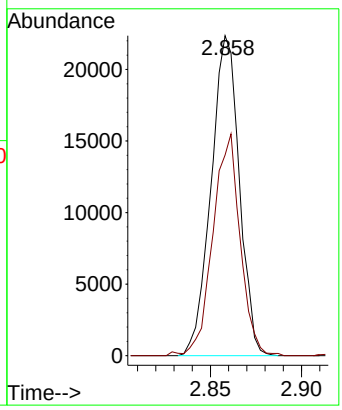


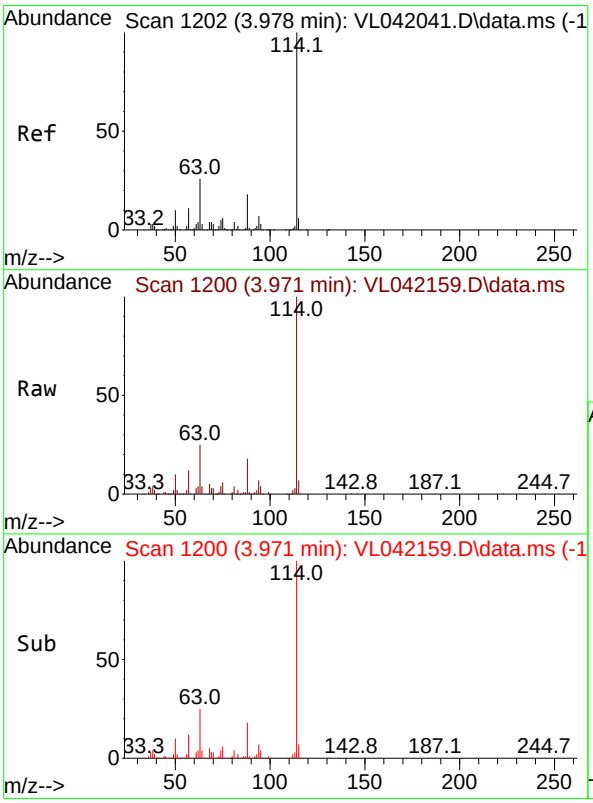
#29
Chloroform
Concen: 0.777 ppbv
RT: 2.858 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 83 Resp: 24129

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.2	76.8

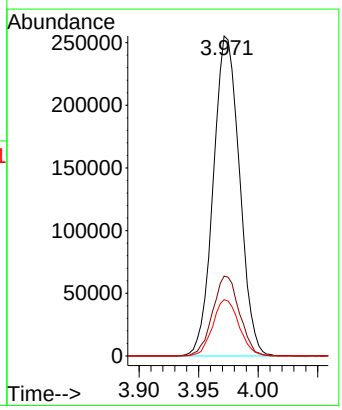


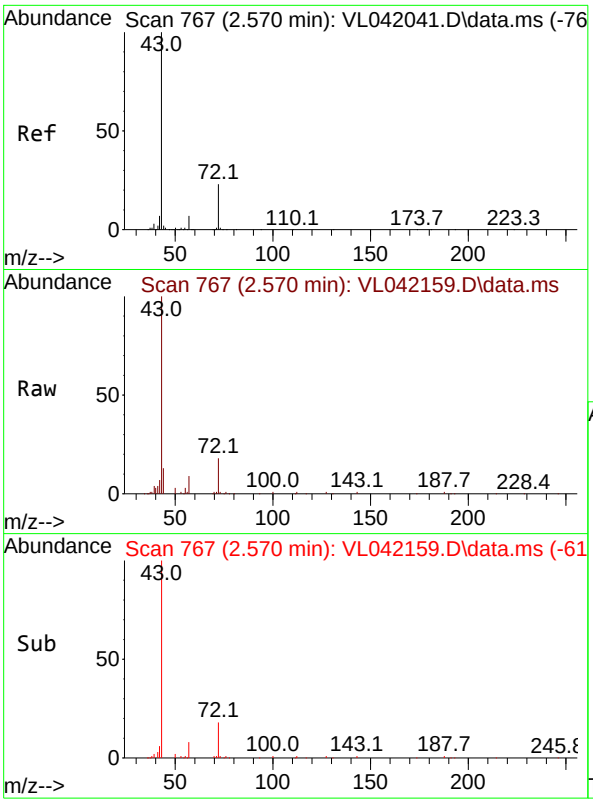


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. -0.007 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:114 Resp: 390134

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	17.6	14.3	21.5



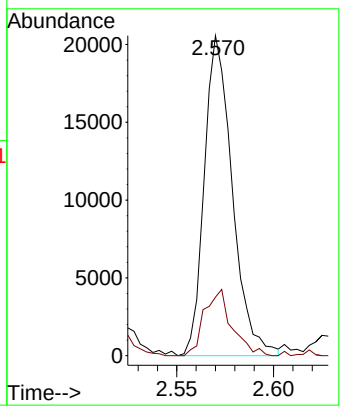


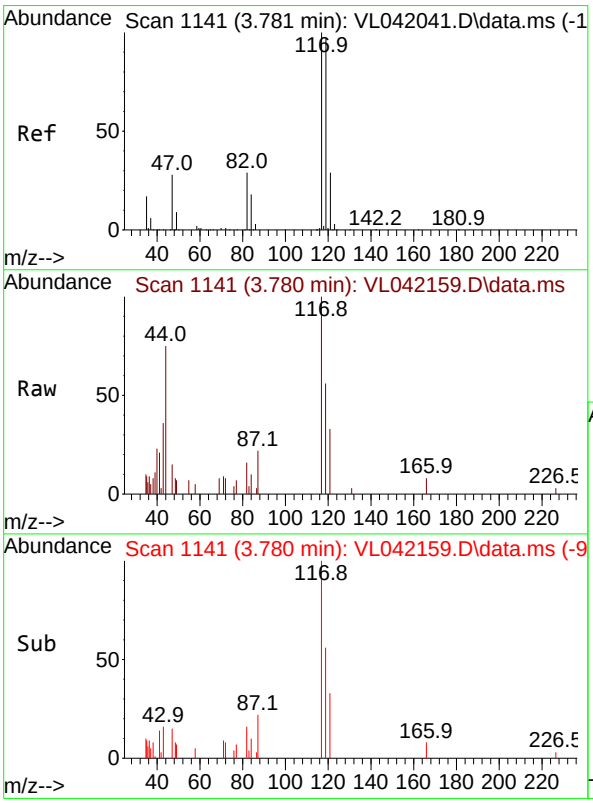
#34
2-Butanone
Concen: 0.682 ppbv
RT: 2.570 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 43 Resp: 20731

Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.5	27.7

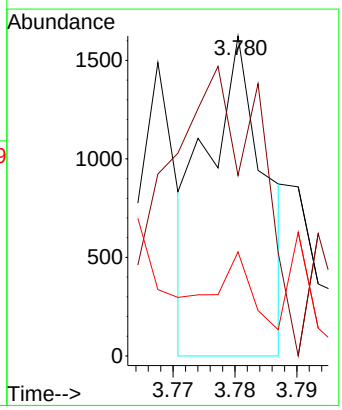


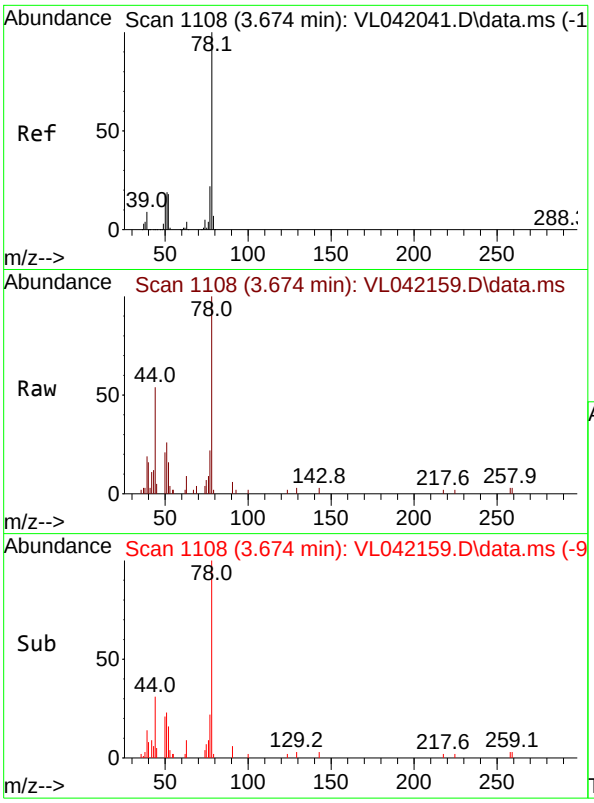


#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 3.780 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:117 Resp: 1068

Ion	Ratio	Lower	Upper
117	100		
119	49.6	77.8	116.8#
121	49.9	23.4	35.0#



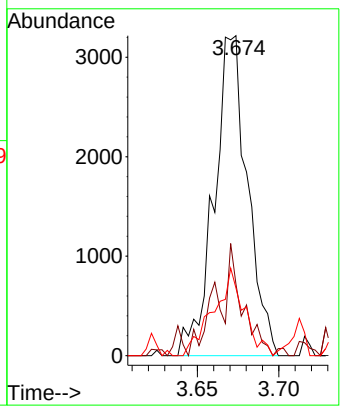


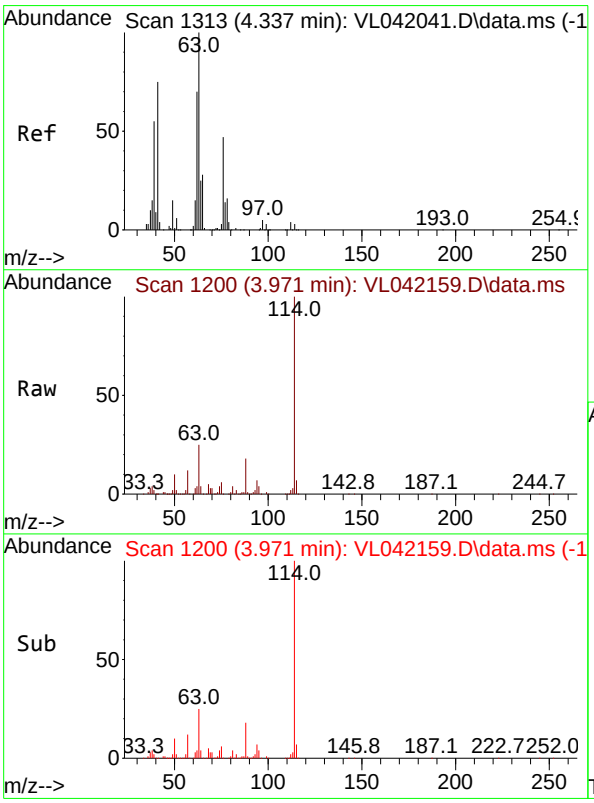
#36
Benzene
Concen: 0.112 ppbv
RT: 3.674 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 78 Resp: 4592

Ion	Ratio	Lower	Upper
78	100		
77	20.1	17.7	26.5
50	21.1	13.9	20.9#

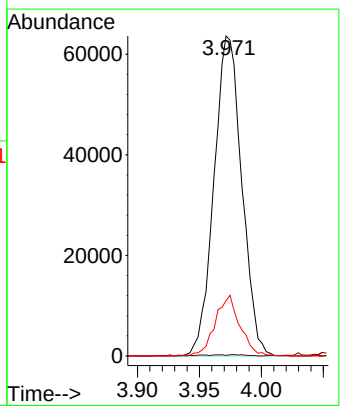


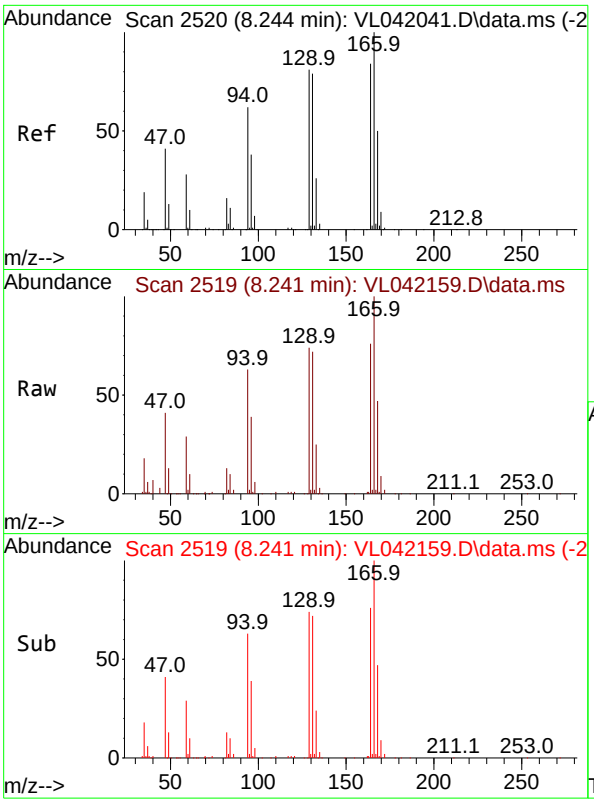


#39
1,2-Dichloropropane
Concen: 6.416 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. -0.366 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 63 Resp: 99455

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.1	90.1#
62	17.2	55.8	83.8#



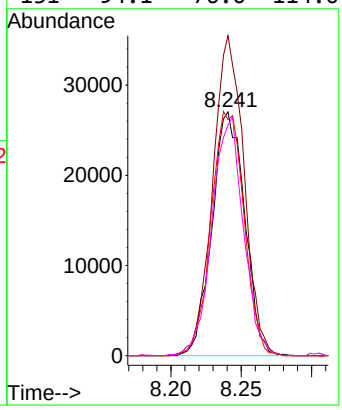


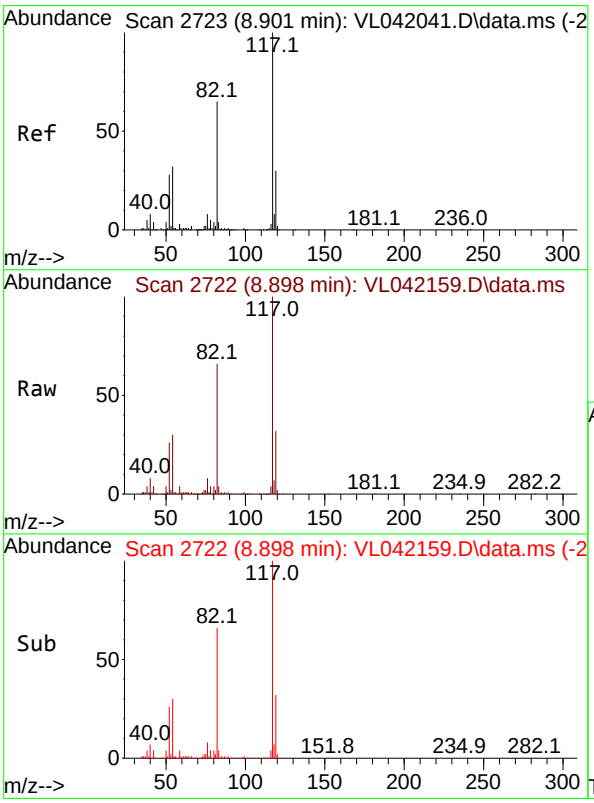
#52
Tetrachloroethene
Concen: 3.122 ppbv
RT: 8.241 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion:164 Resp: 43646

Ion	Ratio	Lower	Upper
164	100		
166	130.6	95.7	143.5
129	96.0	77.1	115.7
131	94.1	76.0	114.0

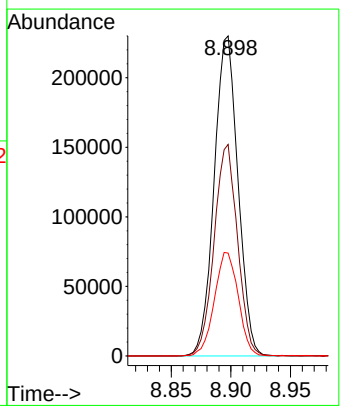


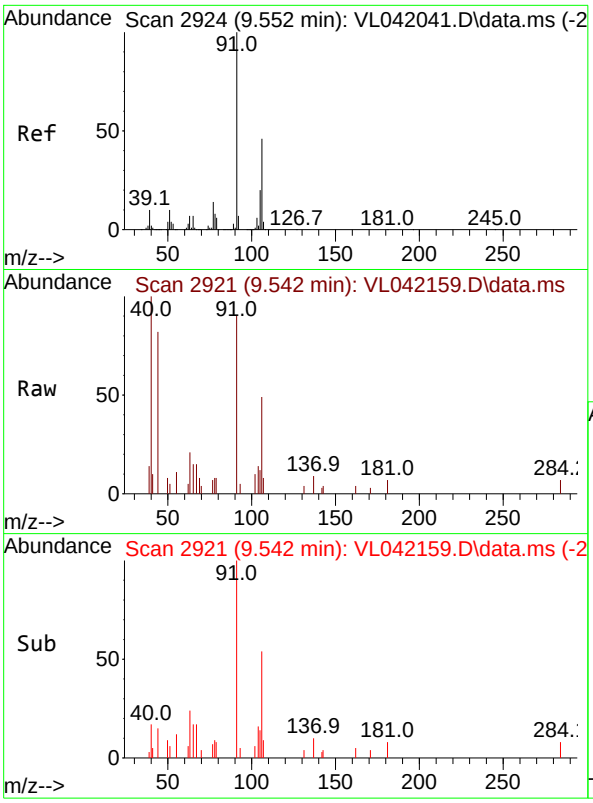


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:117 Resp: 319342

Ion	Ratio	Lower	Upper
117	100		
82	65.0	55.0	82.6
119	32.5	25.9	38.9



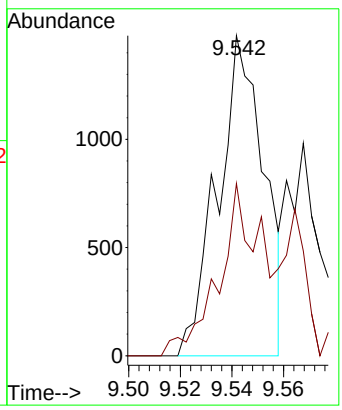


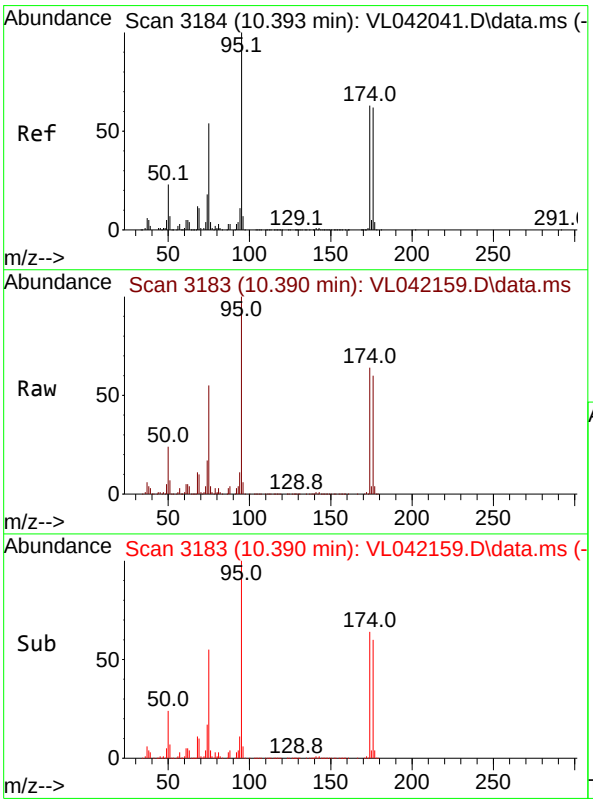
#59
m/p-Xylene
Concen: 0.039 ppbv
RT: 9.542 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion: 91 Resp: 1837

Ion	Ratio	Lower	Upper
91	100		
106	76.0	0.0	0.0#

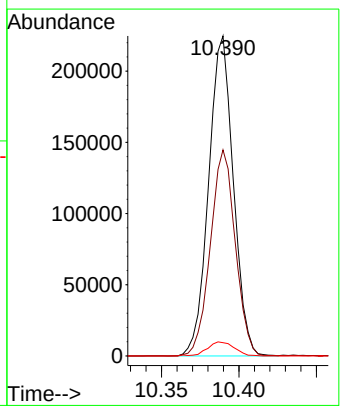


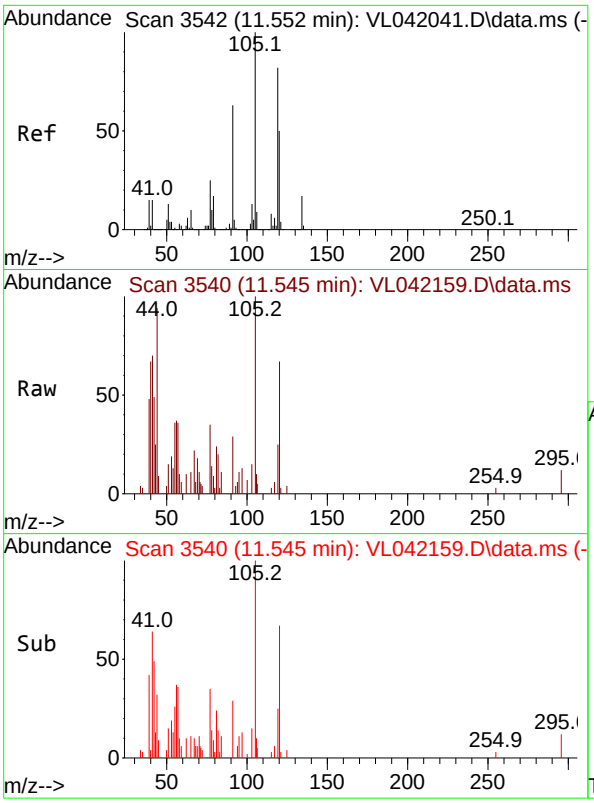


#68
1-Bromo-4-Fluorobenzene
Concen: 10.150 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion: 95 Resp: 249363

Ion	Ratio	Lower	Upper
95	100		
174	65.4	51.8	77.6
175	4.8	3.9	5.9



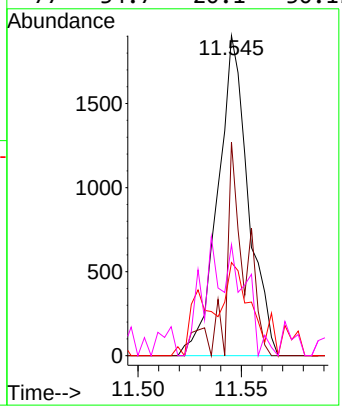


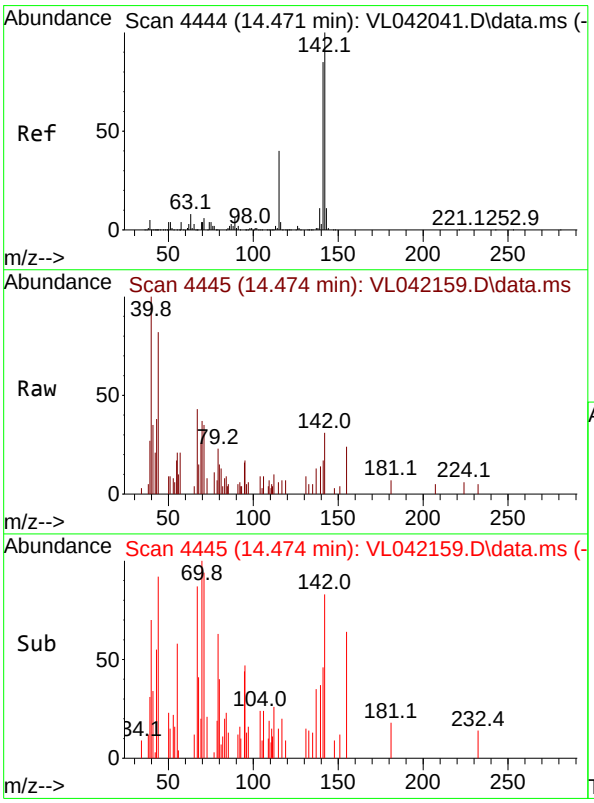
#74
1,2,4-Trimethylbenzene
Concen: 0.035 ppbv
RT: 11.545 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Instrument :
MSVOA_L
ClientSampleId :
557-SG-1

Tgt Ion:105 Resp: 1946

Ion	Ratio	Lower	Upper
105	100		
120	66.7	40.2	60.2#
91	29.1	51.4	77.2#
77	34.7	20.1	30.1#





#80
Naphthalene,2-methyl-
Concen: 0.048 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042159.D
Acq: 17 Mar 2025 15:53

Tgt Ion:142 Resp: 503

Ion	Ratio	Lower	Upper
142	100		
141	81.1	65.8	98.6
115	52.9	29.5	44.3#

