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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : R36900

TETRA TECH, EMI

240 Continental Drive, Suite 200

Newark, DE - 19713

Phone No: 302-738-7551

ORDER ID : Q1880

ATTENTION : Ava Heiss

Laboratory Certification ID # 20012

Table Of Contents for Q1880

1) VOLATILES DATA 2
2) Signature Page 4
3) Shipping Document 5
3.1) Chain Of Custody 6
3.2) Lab Certificate 21
3.3) Internal COC 22
3.4) Air Sample Pressure And Dilution Log Book 23
3.5) Storage Location 24
4) Case Narrative 28
5) Qualifier Page 47
6) QA Checklist 48
7) Chronicle 49
8) Hit Summary 51
9) Air Conversion Table 56
9.1) MDL 82
10) QC Data Summary For TO-15 90
10.1) Deuterated Monitoring Compound Summary 91
10.2) LCS/LCSD Summary 92
10.3) Duplicate Sample Summary 96
10.4) Method Blank Summary 98
10.5) GS/MS Tune Summary 100
10.6) Internal Standard Area and RT Summary 103
11) Sample Data 105
11.1) EBR-P11-SC-SS01-20250421 106
11.2) EBR-P11-SC-SS01-20250421DL 125
11.3) EBR-P02-SL-IA02-20250423 134
11.4) EBR-P08-SC-IA01-20250421 149
11.5) EBR-P08-SC-SS01-20250421 163
11.6) EBR-SC-SS-DUP01-20250421 179
11.7) EBR-P02-SC-DUP01-20250423 194
11.8) EBR-P16-SC-SS01-20250422 209
11.9) EBR-P16-SC-SS01-20250422DL 225
11.10) EBR-P02-SC-IA01-20250423 235
11.11) EBR-P16-SC-AA-DUP-01-20250422 250
11.12) EBR-P16-SC-AA01-20250422 266

10.13) EBR-P02-SC-SS01-20250423 281
12) Calibration Data Summary 295
12.1) Initial Calibration Data 296
12.1.1) VL041725 296
12.2) Continued Calibration Data 579
12.2.1) VL042416.D 579
12.2.2) VL042436.D 627
13) QC Sample Data 675
13.1) Tune Raw Data 676
13.2) Method Blank Data 679
13.3) LCS Data 693
14) Manual Integration 787
15) Analytical Runlogs 798
16) Standard Prep Logs 809
17) Canister Data 821
18) Not Reviewed Data 915

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Cover Page

Order ID : Q1880

Project ID : R36900

Client : Tetra Tech, EMI

Lab Sample Number	Client Sample Number
Q1880-01	EBR-P11-SC-SS01-20250421
Q1880-02	EBR-P02-SL-IA02-20250423
Q1880-03	EBR-P08-SC-IA01-20250421
Q1880-04	EBR-P08-SC-SS01-20250421
Q1880-05	EBR-SC-SS-DUP01-20250421
Q1880-06	EBR-P02-SC-DUP01-20250423
Q1880-07	EBR-P16-SC-SS01-20250422
Q1880-08	EBR-P02-SC-IA01-20250423
Q1880-09	EBR-P16-SC-AA-DUP-01-20250422
Q1880-10	EBR-P16-SC-AA01-20250422
Q1880-11	EBR-P02-SC-SS01-20250423

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: 5/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

SHIPPING DOCUMENTS

William Penn Boiler Room

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504019**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID :	**R36724**	Sampler Name(s) : START	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details: See comments for full Sample ID	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas			
SS01 See comments	4/21/25 4/22/25	~~1600~~ 1535	1410	-30	-9			-30	~~-9~~ -7	10567	10258	6 L	4.16	VL042330.D	X					X			

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments : Sample ID: EBR-PII-SC-SS01-20250421

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:		Date/Time: 4/18/25	Canisters Received by:	Date/Time: 4/24/25 1410	B2504019 - 1
Samples Relinquished by:		Date/Time: 4/24/25	Received by:	Date/Time:	
Relinquished by:		Date/Time:	Received by:	Date/Time:	

Wilm manor Elementary

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504019**	Courier :	____ of ____ COCs
Client ID : **TETR16**	Project ID : **R36724**	Sampler Name(s) : Sam Belding	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details:	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** OR	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas		
See Coc	4/23/25 4/24/25	1035	0915	-30	-7			-30	-6.3	10183	10268	6 L	4.16	VL042330.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 : EBR-P02-SL-IA02-20250423

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : No

Canisters Shiped by: Sam	Date/Time: 04/18/25	Canisters Received by:	Date/Time: 4/24/25 1440	B2504019 - 2
Samples Relinquished by: Sam Belding	Date/Time: 04/24/25	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

Hallway near auditorium

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504019**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID :	**R36724**	Sampler Name(s) : S. Belding	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details: See comments for full Sample ID	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
SC-IA01	4/21/25	1208	1052	-30	-7			-30	-7 -5.9 (corr)	10537	10323	6 L	4.16	VL042330.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 : Sample ID: EBE-P08-SC-IA01-20250421

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 04/18/25	Canisters Received by:	Date/Time: 4/24/25 1440		
Samples Relinquished by: Sam Belding	Date/Time: 4/24/25	Received by:	Date/Time:	**B2504019 - 3**	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

George Read Middle School - Boiler Room

Alliance TECHNICAL GROUP

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Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504019**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID : **R36724**		Sampler Name(s) : S. Belding	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details: See comments for full Sample ID	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas		
SC-SS01	4/21/25 4/22/25	1145	1030	-30	-5			-30	~~-5~~ -9	10222	10333	6 L	4.16	VL042316.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 : Sample ID: EBR-P08-SC-SS01-20250421

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State): Delaware

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 04/18/25	Canisters Received by:		Date/Time: 4/24/25 1440	
Samples Relinquished by: Sam Belding	Date/Time: 4/24/25	Received by:		Date/Time:	**B2504019 - 4**
Relinquished by:	Date/Time:	Received by:		Date/Time:	

George Reed Middle School – Boiler Room

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504019**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID : **R36724**		Sampler Name(s) : S. Belding	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**	Individual Certified	
	Site Details: See comments for full Sample ID		
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas		
SS-DUP01	4/21/25	1145	1030	-30	-3			-30	~~-3~~ -4.4	10236	10401	6 L	4.16	VL042330.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 : Sample ID: ~~EBR-SC-SS-DUP01-20250421~~ EBR-SC-SS-DUP01-20250421

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State): Delaware

Quick Connector required : No

Canisters Shiped by: Sam	Date/Time: 04/18/25	Canisters Received by:	Date/Time: 4/24/25 1460
Samples Relinquished by: S. Belding	Date/Time: 4/24/25	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

B2504019 - 5

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504018**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID : **R36724**		Sampler Name(s) : START	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details:	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
See Comment	4/23/25 4/24/25	0935	0405	-30	-6			-30	-7.1	10206	10024	6 L	4.16	VL042308.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 : EBR- P02-SC-Dupo1-20250423

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : No

Canisters Shiped by: Sean	Date/Time: 04/15/25	Canisters Received by:	Date/Time: 4/24/25 1440		
Samples Relinquished by: Samuel My	Date/Time: 4.24.25	Received by:	Date/Time:	**B2504018 - 1**	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Boiler Room in Pleasantville Elementary

Alliance Project No. : Q1880

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

Client Contact Information	Bottle Order ID : **B2504018**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID : **R36724**		Sampler Name(s) : S. Belbin	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details: See comments for Sample ID	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas		
See comments	4/22/25 4/23/25	1603	1356	-27	-7			~~-30~~ -27 EM	-6.3	10785	10158	6 L	4.16	VL042307.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 : EBR-P16-SC-5501-20250422

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : No

Canisters Shiped by: Sam	Date/Time: 04/15/25	Canisters Received by:	Date/Time: 4/24/25 1440	B2504018 - 2
Samples Relinquished by: S. Belbin	Date/Time: 4/24/25	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504018**	Courier :	_____ of _____ COCs		
Client ID : **TETR16** Project ID : **R36724**		Sampler Name(s) : START	Analysis		Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY			
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**				
	Fax Number : **302-454-5980**				
	Site Details:	Batch Certified			
City : **Newark**					
State : **DE**	Analysis Turnaround Time				
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :			
Country :	Rush (Specify): _____ **Days**	EDD Type :			

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
See Comments	4/23/25 4/24/25	0935	0935	-30	-1			-30	-2.7	10771	10282	6 L	4.16	VL042308.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 : ~~EBR-P02-SA01-20250423~~ SB EBR-P02-SC-IA01-20250423

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 04/15/25	Canisters Received by:	Date/Time: 4/24/25 1440		
Samples Relinquished by:	Date/Time: 4/24/25	Received by:	Date/Time:	**B2504018 - 6**	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Ambient air outside Pleasantville Elementary

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information		Bottle Order ID : **B2504018**		Courier :	____ of ____ COCs
Client ID : **TETR16**	Project ID : **R36724**			Sampler Name(s) : Sam Belcher	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**		Project Manager : **AVA HEISS**		AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**		Phone Number : **302-738-7551**			
		Fax Number : **302-454-5980**			
		Site Details: See comment for Sample ID		Individual Certified	
City : **Newark**					
State : **DE**		Analysis Turnaround Time			
Zip Code : **19713**		Standard : **10 business days** **OR**		Data Package Type :	
Country :		Rush (Specify): ____ **Days**		EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
See Comments	4/22/25 4/23/25	1440	1330	-30	-8			-30	-7.1	10110	10300	6 L	4.16	VL042219.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 : Sample ID: EBR-P16-SC-AA-DUP01-20250422

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 04/15/25	Canisters Received by:		Date/Time: 4/24/25 1440	B2504018 - 9
Samples Relinquished by: Sam Belcher	Date/Time: 4/24/25	Received by:		Date/Time:	
Relinquished by:	Date/Time:	Received by:		Date/Time:	

Ambient air outside Pleasantville Elementary

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information	Bottle Order ID : **B2504018**	Courier :	____ of ____ COCs
Client ID : **TETR16** Project ID : **R36724**		Sampler Name(s) : Sam Belding	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**	Project Manager : **AVA HEISS**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**	Phone Number : **302-738-7551**		
	Fax Number : **302-454-5980**		
	Site Details: See Comments for sample IDs	Batch Certified	
City : **Newark**			
State : **DE**	Analysis Turnaround Time		
Zip Code : **19713**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): ____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas		
See comments	4/22/25 4/23/25	1440	1330	-30	-7			-30	-8.0	10476	10326	6 L	4.16	VL042307.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 : Sample ID: EBR-PIG-SC-AA01-20250422

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 4/15/25	Canisters Received by:	Date/Time: 4/24/25 1440	**B2504018 - 11**
Samples Relinquished by: Sam Belding	Date/Time: 4/24/25	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1880

Client Contact Information		Bottle Order ID : **B2504018**		Courier :	____ of ____ COCs
Client ID : **TETR16**	Project ID : **R36724**			Sampler Name(s) : START	Analysis / Matrix
Customer Name : **Tetra Tech, EMI**		Project Manager : **AVA HEISS**		AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **240 Continental Drive, Suite 200**		Phone Number : **302-738-7551**			
		Fax Number : **302-454-5980**			
		Site Details:		Batch Certified	
City : **Newark**					
State : **DE**		Analysis Turnaround Time			
Zip Code : **19713**		Standard : **10 business days** **OR**		Data Package Type :	
Country :		Rush (Specify): ____ **Days**		EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15			Indoor/Ambinet Air	Soil Gas		
See Comments	4/23/25 4/24/25	1005 ~~1055~~ 56	0910	-30	0			-30	-1.4	10203	10602	6 L	4.16	VL042307.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 : EBR-P02-SC-5801-20250423

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 04/[illegible]/25	Canisters Received by:		Date/Time: 4/24/25 1440	**B2504018 - 13**
Samples Relinquished by: Double Way	Date/Time: 4/24/25	Received by:		Date/Time:	
Relinquished by:	Date/Time:	Received by:		Date/Time:	

USEPA CLP COC (Lab Copy)
DateShipped: 4/24/2025
CarrierName: Hand Delivered
DAS #: R36900

CHAIN OF CUSTODY RECORD
Site #: A36K
Contact Name: Sam Belding
Contact Phone: 215-789-8418

No: 3-042425-101223-0001
Cooler #:
Lab: Alliance Technical Group
Lab Phone: 908-728-3147

Lab #	Sample #	Location	Analyses	TAT	TAT Units	Matrix	Numb Cont	Container	Preservative	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
	EBR-P02-SC-DUP01-20250423	Property 2	Toxic Organics (TO-15)	21	Days	Indoor Air	1	6-L Summa Canisters	None	10024	10206	-30	-6	4/23/2025	9:35:00 AM	4/24/2025	9:05:00 AM
	EBR-P02-SC-IA01-20250423	Property 2	Toxic Organics (TO-15)	21	Days	Indoor Air	1	6-L Summa Canisters	None	10282	10771	-30	-1	4/23/2025	9:35:00 AM	4/24/2025	9:05:00 AM
	EBR-P02-SC-IA02-20250423	Property 2	Toxic Organics (TO-15)	21	Days	Indoor Air	1	6-L Summa Canisters	None	10268	10183	-30	-7	4/23/2025	10:35:00 AM	4/24/2025	9:15:00 AM
	EBR-P02-SC-SS01-20250423	Property 2	Toxic Organics (TO-15)	21	Days	Sub Slab	1	6-L Summa Canisters	None	10602	10203	-30	0	4/23/2025	10:05:00 AM	4/24/2025	9:10:00 AM
	EBR-P08-SC-IA01-20250421	Property 8	Toxic Organics (TO-15)	21	Days	Indoor Air	1	6-L Summa Canisters	None	10323	10537	-30	-7	4/21/2025	12:08:00 PM	4/22/2025	10:52:00 AM

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Ava Heiss 4/24/25 1440				

USEPA CLP COC (Lab Copy)
DateShipped: 4/24/2025
CarrierName: Hand Delivered
DAS #: R36900

CHAIN OF CUSTODY RECORD
Site #: A36K
Contact Name: Sam Belding
Contact Phone: 215-789-8418

No: 3-042425-101223-0001
Cooler #:
Lab: Alliance Technical Group
Lab Phone: 908-728-3147

Lab #	Sample #	Location	Analyses	TAT	TAT Units	Matrix	Numb Cont	Container	Preservative	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
	EBR-P08-SC-SS01-20250421	Property 8	Toxic Organics (TO-15)	21	Days	Sub Slab	1	6-L Summa Canisters	None	10333	10222	-30	-5	4/21/2025	11:45:00 AM	4/22/2025	10:30:00 AM
	EBR-P11-SC-SS01-20250421	Property 11	Toxic Organics (TO-15)	21	Days	Sub Slab	1	6-L Summa Canisters	None	10258	10567	-30	-9	4/21/2025	3:35:00 PM	4/22/2025	2:10:00 PM
	EBR-P16-SC-AA01-20250422	Property 16	Toxic Organics (TO-15)	21	Days	Ambient Air	1	6-L Summa Canisters	None	10326	10476	-30	-7	4/22/2025	2:40:00 PM	4/23/2025	1:30:00 PM
	EBR-P16-SC-AA-DUP01-20250422	Property 16	Toxic Organics (TO-15)	21	Days	Ambient Air	1	6-L Summa Canisters	None	10300	10110	-30	-8	4/22/2025	2:40:00 PM	4/23/2025	1:30:00 PM
	EBR-P16-SC-SS01-20250422	Property 16	Toxic Organics (TO-15)	21	Days	Sub Slab	1	6-L Summa Canisters	None	10158	10785	-27	-7	4/22/2025	4:03:00 PM	4/23/2025	1:36:00 PM

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Ava Heiss	4/24/25 1440			

USEPA CLP COC (Lab Copy)
DateShipped: 4/24/2025
CarrierName: Hand Delivered
DAS #: R36900

CHAIN OF CUSTODY RECORD
Site #: A36K
Contact Name: Sam Belding
Contact Phone: 215-789-8418

No: 3-042425-101223-0001
Cooler #:
Lab: Alliance Technical Group
Lab Phone: 908-728-3147

Lab #	Sample #	Location	Analyses	TAT	TAT Units	Matrix	Numb Cont	Container	Preservative	Pump #	OrificeID	Start Pressure	Stop Pressure	Start_Date	Start_Time	Stop_Date	Stop_Time
	EBR-SC-SS-DUP01-20250421	Property 8	Toxic Organics (TO-15)	21	Days	Sub Slab	1	6-L Summa Canisters	None	10401	10236	-30	-3	4/21/2025	11:45:00 AM	4/22/2025	10:30:00 AM

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Ava Heiss	4/24/25 1440			

Tetra Tech Project Outline: R36900 **PO #: Alliance-25**

Laboratory Address and Contact	Tetra Tech Project Lead	Sample Coordinator
Alliance Technical Group, LLC 284 Sheffield St Mountainside, NJ 07092 Yazmeen Gomez (908) 728-3147 Yazmeen.Gomez@alliancetg.com	Sam Belding Tetra Tech 240 Continental Drive Ste. 200 Newark, DE 19713 (215) 789-8418 sam.belding@tetratech.com	Ava Heiss (302) 397-1105 ava.heiss@tetratech.com

Site location: Delaware

Please reference **R36900** on all deliverables (L4 reports, EDDs, invoice, login acknowledgement).

Sample Numbers:

These are the alphanumeric ids listed on the Chain of Custody (COC) in the 2nd column (ex. C0AA0). Please use these ids for all sample login acknowledgement forms, reports, and EDDs.

Reporting Limits (RL):

Laboratory will report non-detects at the RLs (adjusted RLs to account for % moisture, dilutions, sample volume if applicable) in the reports and EDD files. Results for non-detects in the EDDs should not be an empty cell, but should be reported as the RL (adjusted as necessary) with a "U" qualifier in the lab qualifier column. Analytical results are to be reported for detections below the reporting limit (RL) down to the method detection limit with a "J" flag. **Please report results in both ppbv and µg/m³ units.**

Deliverables: Email a **Level 2 and 4 report with EDDs in EQuIS* format** to Ava Heiss and Sam Belding.
Sampling Dates: April 16, 2025 – April 25, 2025
Turnaround Time: 15 BD TAT for Level 2 and Level 4 reports with Equis EDDs

Parameter/Matrix	Method	Number of Samples
VOCs/Soil Gas (Sub Slab)	EPA TO-15	7 samples
VOCs/Indoor Air	EPA TO-15	7 samples
VOCs/Ambient Air	EPA TO-15	7 samples

*EDD file in EPA Region 2 format (i.e., EQuis EDD, in excel). For instructions, click link:
*Region 2 format is the same as Region 3 format
(https://www.epa.gov/superfund/region-2-superfund-electronic-data-submission-documents

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

Laboratory Certification

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

DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
~~GORGE~~
Field Sample Seal No.: Q1880
Case No.: R36724

Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Date Broken: 4/24/2025
Military Time Seal Broken: 14:40:00
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1880-01	EBR-P11-SC-SS01-20250	Q1880-11	~~EBR-P02-SC-SS01-202504~~ EBR-P02-SC-SS01-20250423
Q1880-02	EBR-P02-SL-IA02-202504		
Q1880-03	EBR-P08-SC-IA01-202504		
Q1880-04	EBR-P08-SC-SS01-20250		
Q1880-05	EBR-SC-SS-DUP01-20250		
Q1880-06	EBR-P02-SC-DUP01-2025		
Q1880-07	EBR-P16-SC-SS01-20250		
Q1880-08	EBR-P02-SC-IA01-202504		
Q1880-09	EBR-P16-SC-AA-DUP-202		
Q1880-10	EBR-P16-SC-AA01-20250		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
4/25	0715	Signature [signature]	Signature [signature]	
		Printed Name George N.	Printed Name Samantha Jenkins	
		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*

AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature: _____ Supervisor Signature: _____

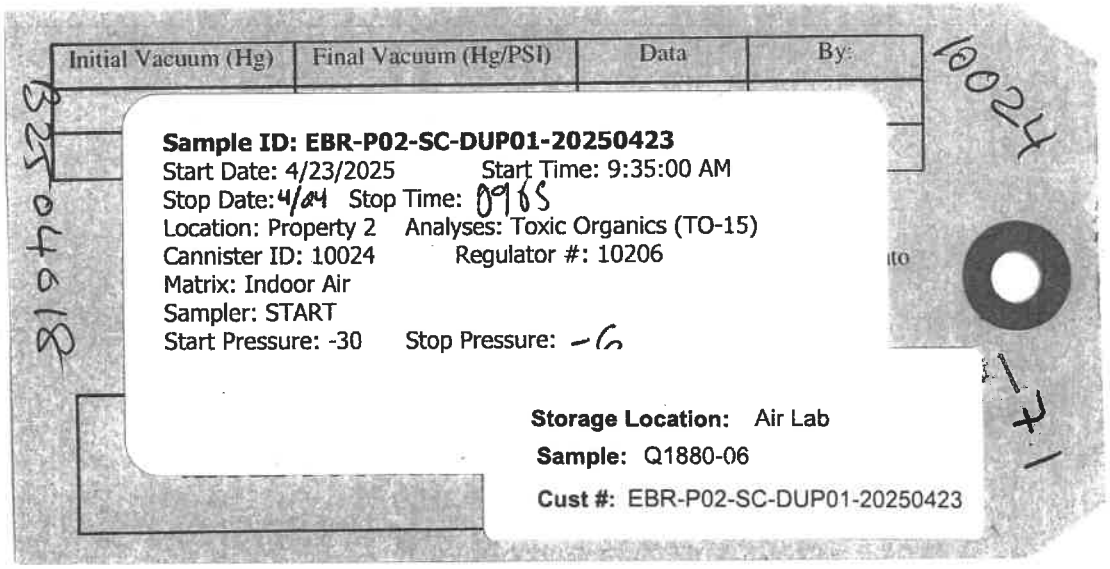
METHOD: TO-15 Pressure Gauge ID: AZ55971

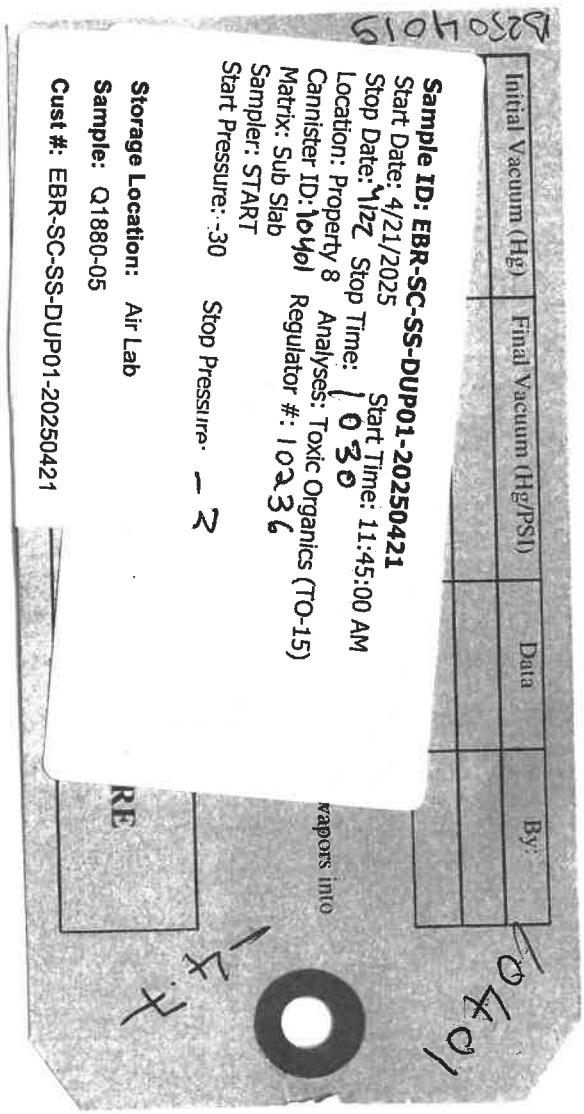
Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
04/18/25	Q1843-01	10605	11.4	-6.7				SV
	Q1843-02	10303	11.6	-6.3				
	Q1844-01	10321	11.6	-6.3				
	Q1844-02	10153	12.0	-5.5				
4/22/25	Q1844-01	10661	1.0		30		30x	SV
04/24/25	Q1880-01	10258.	11.4	-6.7				SV
	Q1880-02	10268	11.6	-6.3				
	Q1880-03	10323.	11.8	-5.9				
	Q1880-04	10333.	11.8	-5.9				
	Q1880-05	10401.	12.4	-4.7				
	Q1880-06	10024.	11.2	-7.1				
	Q1880-07	10158.	11.6	-6.3				
	Q1880-08	10282.	13.4	-2.7				
	Q1880-09	10300.	11.2	-7.1				
	Q1880-10	10326.	10.8	-8.0				
	Q1880-11	10602.	14.0	-1.4				
	~~Q1880-12~~ SV							

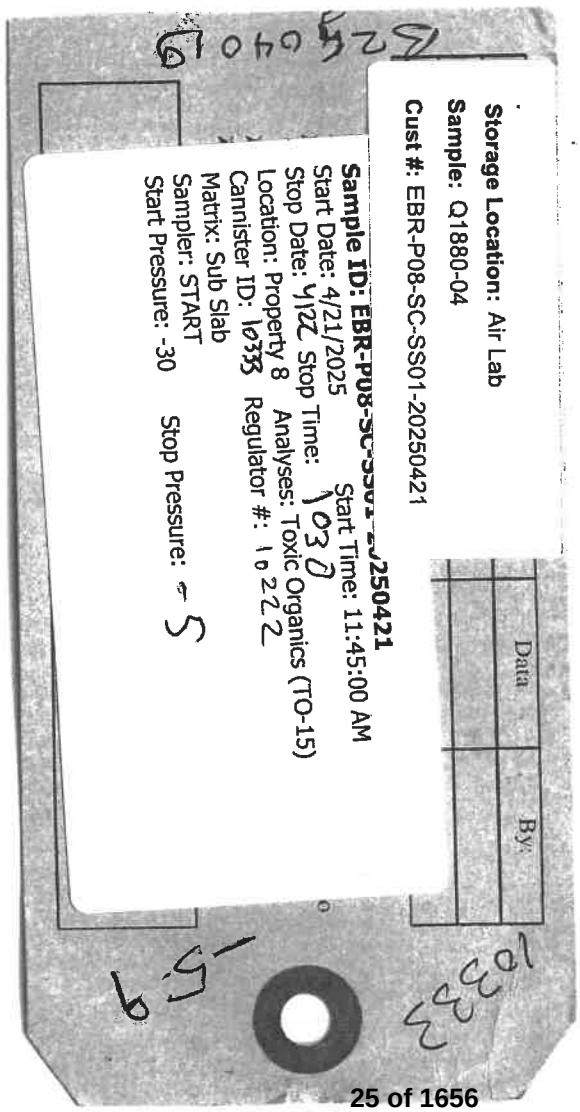
Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
Sample ID: EBR-P08-SC-IA01-20250421
Start Date: 4/21/2025
Start Time: 12:08
Stop Date: 4/22/2025
Stop Time: 1052
Location: Property 8
Analyses: Toxic Organics (TO-15)
Cannister ID: 10223
Regulator #: 10537
Matrix: Indoor Air
Sampler: START
Start Pressure: -30
Storage Location: Air Lab
Sample: Q1880-03
Cust #: EBR-P08-SC-IA01-20250421

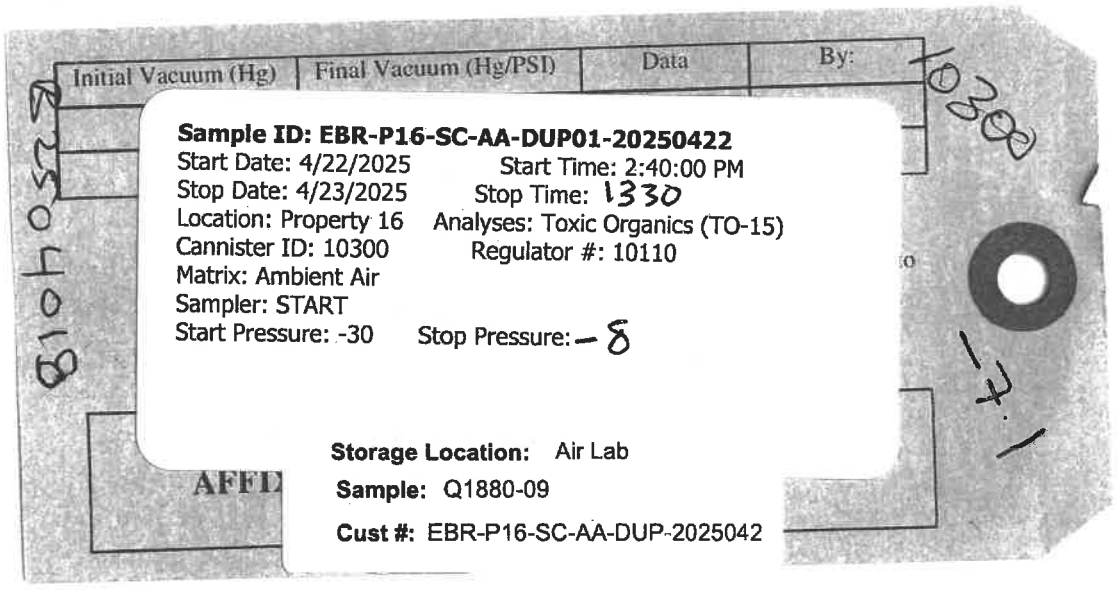
Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
Sample ID: EBR-P02-SC-IA02-20250423
Start Date: 4/23/2025
Start Time: 10:35:00 AM
Stop Date: 4/24
Stop Time: 0915
Location: Property 2
Analyses: Toxic Organics (TO-15)
Cannister ID: 10268
Regulator #: 10183
Matrix: Indoor Air
Sampler: START
Start Pressure: -30
Storage Location: Air Lab
Sample: Q1880-02
Cust #: EBR-P02-SC-IA02-20250423

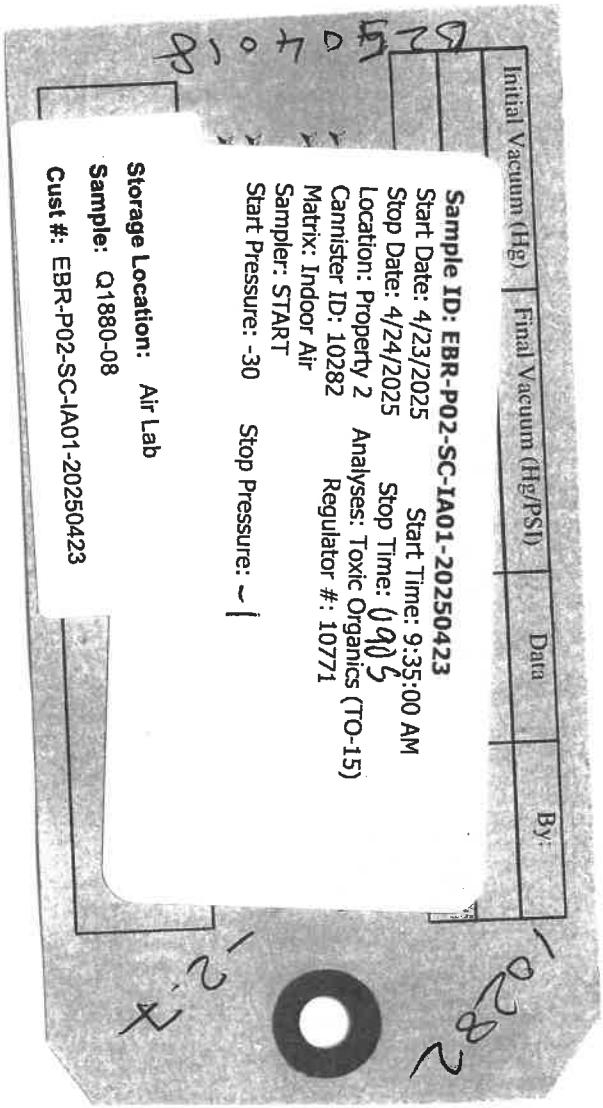
Initial Vacuum (Hg)
Final Vacuum
By:
Storage Location: Air Lab
Sample: Q1880-01
Cust #: EBR-P11-SC-SS01-20250421
SS01-20250421
Start Time: 3:35:00 PM
Sample ID: EBR-P11-
Start Date: 4/21/2025
Stop Time: 1410
Stop Date: 4/22
Analyses: Toxic Organics (TO-15)
Location: Property 11
Regulator #: 10561
Cannister ID: 10258
Matrix: Indoor Air
Sampler: START
Stop Pressure: -9
Start Pressure: -30

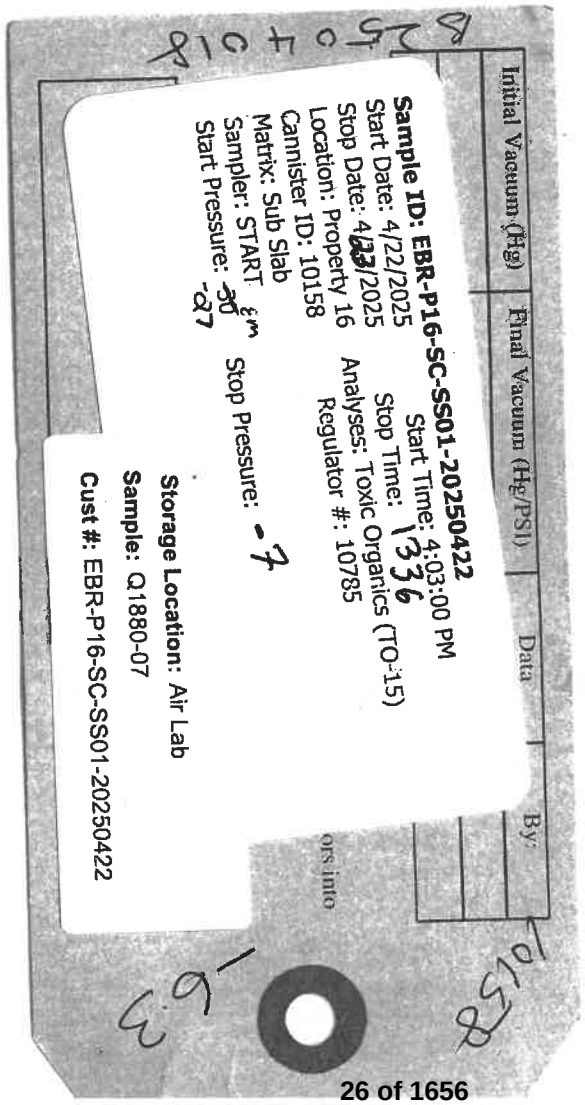

Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
10024
B250418
Sample ID: EBR-P02-SC-DUP01-20250423
Start Date: 4/23/2025
Start Time: 9:35:00 AM
Stop Date: 4/24
Stop Time: 0965
Location: Property 2
Analyses: Toxic Organics (TO-15)
Cannister ID: 10024
Regulator #: 10206
Matrix: Indoor Air
Sampler: START
Start Pressure: -30
Stop Pressure: -6
Storage Location: Air Lab
Sample: Q1880-06
Cust #: EBR-P02-SC-DUP01-20250423

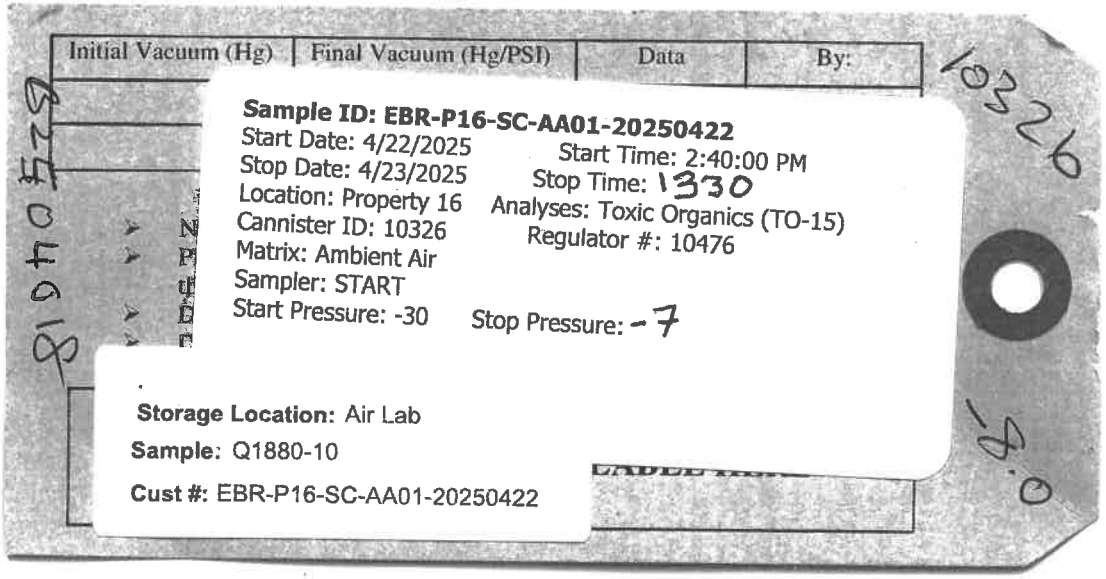

Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
B250419
Sample ID: EBR-SC-SS-DUP01-20250421
Start Date: 4/21/2025
Start Time: 11:45:00 AM
Stop Date: 4/22
Stop Time: 1030
Location: Property 8
Analyses: Toxic Organics (TO-15)
Cannister ID: 10401
Regulator #: 10236
Matrix: Sub Slab
Sampler: START
Start Pressure: -30
Stop Pressure: -2
Storage Location: Air Lab
Sample: Q1880-05
Cust #: EBR-SC-SS-DUP01-20250421

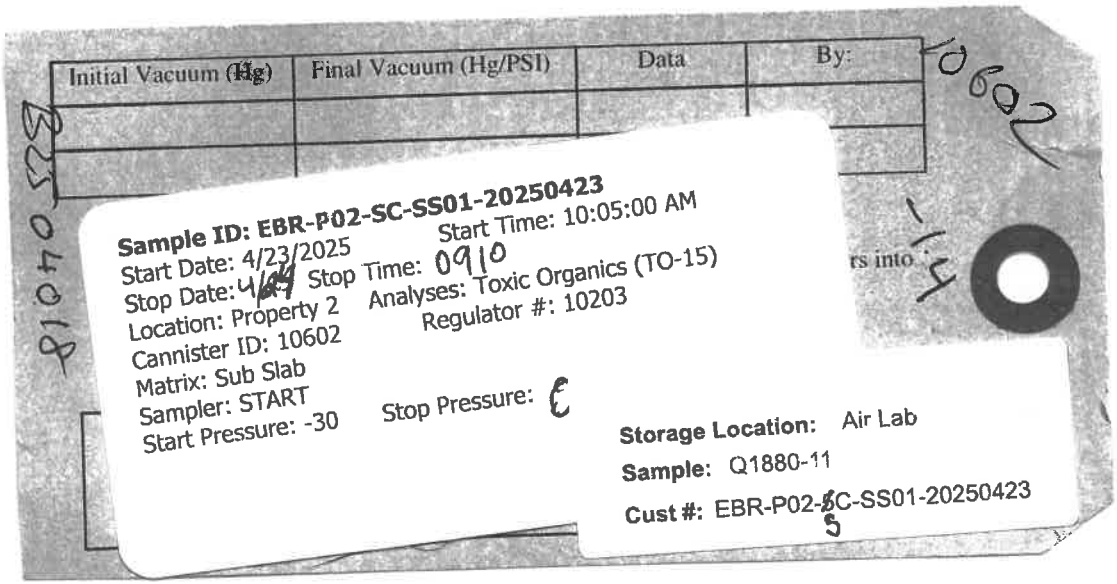

Data
By:
B250420
Sample ID: EBR-P08-SC-SS01-20250421
Start Date: 4/21/2025
Start Time: 11:45:00 AM
Stop Date: 4/22
Stop Time: 1030
Location: Property 8
Analyses: Toxic Organics (TO-15)
Cannister ID: 10333
Regulator #: 10222
Matrix: Sub Slab
Sampler: START
Start Pressure: -30
Stop Pressure: -5
Storage Location: Air Lab
Sample: Q1880-04
Cust #: EBR-P08-SC-SS01-20250421


Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
Sample ID: EBR-P16-SC-AA-DUP01-20250422
Start Date: 4/22/2025
Start Time: 2:40:00 PM
Stop Date: 4/23/2025
Stop Time: 1330
Location: Property 16
Analyses: Toxic Organics (TO-15)
Cannister ID: 10300
Regulator #: 10110
Matrix: Ambient Air
Sampler: START
Start Pressure: -30
Stop Pressure: -8
Storage Location: Air Lab
Sample: Q1880-09
Cust #: EBR-P16-SC-AA-DUP-2025042


Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
Sample ID: EBR-P02-SC-IA01-20250423
Start Date: 4/23/2025
Start Time: 9:35:00 AM
Stop Date: 4/24/2025
Stop Time: 0905
Location: Property 2
Analyses: Toxic Organics (TO-15)
Cannister ID: 10282
Regulator #: 10771
Matrix: Indoor Air
Sampler: START
Start Pressure: -30
Stop Pressure: -7
Storage Location: Air Lab
Sample: Q1880-08
Cust #: EBR-P02-SC-IA01-20250423


Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
Sample ID: EBR-P16-SC-SS01-20250422
Start Date: 4/22/2025
Start Time: 4:03:00 PM
Stop Date: 4/23/2025
Stop Time: 1336
Location: Property 16
Analyses: Toxic Organics (TO-15)
Cannister ID: 10158
Regulator #: 10785
Matrix: Sub Slab
Sampler: START
Start Pressure: -27
Stop Pressure: -7
Storage Location: Air Lab
Sample: Q1880-07
Cust #: EBR-P16-SC-SS01-20250422


Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
10326
Sample ID: EBR-P16-SC-AA01-20250422
Start Date: 4/22/2025
Start Time: 2:40:00 PM
Stop Date: 4/23/2025
Stop Time: 1330
Location: Property 16
Analyses: Toxic Organics (TO-15)
Cannister ID: 10326
Regulator #: 10476
Matrix: Ambient Air
Sampler: START
Start Pressure: -30
Stop Pressure: -7
-8.0
Storage Location: Air Lab
Sample: Q1880-10
Cust #: EBR-P16-SC-AA01-20250422


Initial Vacuum (Hg)
Final Vacuum (Hg/PSI)
Data
By:
10602
Sample ID: EBR-P02-SC-SS01-20250423
Start Date: 4/23/2025
Start Time: 10:05:00 AM
Stop Date: 4/24
Stop Time: 0910
Location: Property 2
Analyses: Toxic Organics (TO-15)
Cannister ID: 10602
Regulator #: 10203
Matrix: Sub Slab
Sampler: START
Start Pressure: -30
Stop Pressure: 6
-1.4
Storage Location: Air Lab
Sample: Q1880-11
Cust #: EBR-P02-SC-SS01-20250423

284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

Tetra Tech, EMI
Project Name: R36900
Project # N/A
Chemtech Project # Q1880
Test Name: TO-15

A. Number of Samples and Date of Receipt:
11 Air samples were received on 04/24/2025.

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

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

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

The RPD for {Q1880-10DUP} with File ID: VL042430.D met criteria except for m/p-Xylene[200%],due to difference in results of original and DUP.
The Blank Spike met requirements for all samples .

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

Samples EBR-P11-SC-SS01-20250421, EBR-P16-SC-SS01-20250422 were diluted due to high concentrations.

E. Additional Comments:
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.

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The Sample # EBR-P02-SL-IA02-20250423, EBR-P08-SC-IA01-20250421, EBR-P08-SC-SS01-20250421, EBR-P02-SC-DUP01-20250423, EBR-P02-SC-IA01-20250423 and EBR-P16-SC-AA01-20250422 have the concentration of target compound below Method detection limits,therefore it is not reported as Hit in Form1.

The Manual Integrations are performed for the followings.

Manual Integration Report			
Sequence	VL041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042349.D	m/p-Xylene	SAM	4/18/2025 4:19:07 PM	MMDadoda	4/18/2025 10:45:20 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042350.D	1,4-Dioxane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042350.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042350.D	Ethanol	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042350.D	Heptane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrect

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VSTDICC002	VL042350.D	m/p-Xylene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL042350.D	Trichloroethene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	1,3-Butadiene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	1,4-Dioxane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	2,2,4-Trimethylpentane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software

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VSTDICC001	VL042351.D	Cyclohexane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	Ethanol	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	Heptane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	m/p-Xylene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	Methyl Methacrylate	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042351.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Softwar

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VSTDICC0.5	VL042352.D	1,2-Dichloropropane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	1,4-Dioxane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	4-Methyl-2-Pentanone	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	Chlorobenzene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	Ethanol	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	Heptane	SAM	4/18/2025 4:20:33	MMDadoda	4/18/2025 10:45:0	Peak Integrated by

				PM		7 PM	Software incorrectly
VSTDICC0.5	VL042352.D	m/p-Xylene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	Methyl Methacrylate	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042352.D	Tetrahydrofuran	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042353.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042353.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042353.D	1,2-Dibromoethan	SAM	4/18/2025	MMDadoda	4/18/2025	Peak Integrat

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		e		4:20:37 PM		10:45:04 PM	ed by Software incorrectly
VSTDICC0.1	VL042353.D	Tetrachloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042353.D	Trichloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	Carbon Tetrachloride	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	Tetrachloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.	VL042354	Trichloroethen	SAM	4/18/20	MMDado	4/18/20	Peak

03	.D	e		25 4:19:24 PM	da	25 10:45:02 PM	Integrated by Software incorrectly
VSTDICC015	VL042355.D	m/p-Xylene	SAM	4/18/2025 4:21:35 PM	MMDadoda	4/18/2025 10:44:59 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042356.D	m/p-Xylene	SAM	4/18/2025 4:20:42 PM	MMDadoda	4/18/2025 10:44:57 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence	VL042825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042416.D	m/p-Xylene	SAM	4/29/2025 9:26:25 AM	MMDadoda	4/30/2025 2:28:57 PM	Peak Integrated by Software incorrectly
VL0428ABS01	VL042418.D	m/p-Xylene	SAM	4/29/2025 9:26:31 AM	MMDadoda	4/30/2025 2:29:13 PM	Peak Integrated by Software incorrectly
Q1880-02	VL042426.D	Benzene	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software incorrec

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Q1880-02	VL042426.D	Carbon Tetrachloride	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software incorrectly
Q1880-02	VL042426.D	Chlorodifluoromethane	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software incorrectly
Q1880-02	VL042426.D	m/p-Xylene	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software incorrectly
Q1880-03	VL042427.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software incorrectly
Q1880-03	VL042427.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software incorrectly
Q1880-03	VL042427.D	Heptane	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software incorrectly
Q1880-03	VL042427.D	Propene	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software

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Q1880-03	VL042427.D	Toluene	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software incorrectly
Q1880-08	VL042428.D	Acetone	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software incorrectly
Q1880-08	VL042428.D	Carbon Tetrachloride	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software incorrectly
Q1880-08	VL042428.D	Chlorodifluoromethane	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software incorrectly
Q1880-08	VL042428.D	Cyclohexane	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software incorrectly
Q1880-08	VL042428.D	m/p-Xylene	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software incorrectly
Q1880-10	VL042429.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Softwar

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Q1880-10	VL042429.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software incorrectly
Q1880-10	VL042429.D	m/p-Xylene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software incorrectly
Q1880-10	VL042429.D	Propene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software incorrectly
Q1880-10	VL042429.D	Tetrachloroethene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software incorrectly
Q1880-10	VL042429.D	Toluene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL042430.D	Benzene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL042430.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:10	MMDadoda	4/30/2025 2:29:59	Peak Integrated by

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				AM		PM	Software incorrectly
Q1880-10DUP	VL042430.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL042430.D	m/p-Xylene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL042430.D	Tetrachloroethene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL042430.D	Toluene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-01	VL042431.D	4-Methyl-2-Pentanone	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL042431.D	Carbon Tetrachloride	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL042431.D	Chlorodifluoromethane	SAM	4/29/2025	MMDadoda	4/30/2025	Peak Integrat

				9:27:16 AM		2:30:37 PM	ed by Software incorrectly
Q1880-01	VL042431.D	Cyclohexane	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL042431.D	Heptane	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL042431.D	o-Xylene	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL042431.D	Trichloroethene	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-06	VL042432.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:14 AM	MMDadoda	4/30/2025 2:30:01 PM	Peak Integrated by Software incorrectly
Q1880-06	VL042432.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:14 AM	MMDadoda	4/30/2025 2:30:01 PM	Peak Integrated by Software incorrectly
Q1880-06	VL04243	Toluene	SAM	4/29/20	MMDado	4/30/20	Peak

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	2.D			25 9:28:14 AM	da	25 2:30:01 PM	Integrated by Software incorrectly
Q1880-09	VL042433.D	1,2,4-Trimethylbenzene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly
Q1880-09	VL042433.D	Carbon Tetrachloride	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly
Q1880-09	VL042433.D	Chlorodifluoromethane	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly
Q1880-09	VL042433.D	m/p-Xylene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly
Q1880-09	VL042433.D	Tetrachloroethene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly
Q1880-09	VL042433.D	Toluene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly

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Q1880-09	VL042433.D	Trichlorofluoromethane	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software incorrectly

Manual Integration Report			
Sequence	VL042925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042436.D	1,1,2-Trichloroethane	SAM	4/30/2025 7:49:08 AM	MMDadoda	4/30/2025 2:26:33 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL042436.D	m/p-Xylene	SAM	4/30/2025 7:49:08 AM	MMDadoda	4/30/2025 2:26:33 PM	Peak Integrated by Software incorrectly
VL0429ABS01	VL042438.D	m/p-Xylene	SAM	4/30/2025 7:49:14 AM	MMDadoda	4/30/2025 2:26:38 PM	Peak Integrated by Software incorrectly
VL0429ABS01	VL042438.D	Methyl Methacrylate	SAM	4/30/2025 7:49:14 AM	MMDadoda	4/30/2025 2:26:38 PM	Peak Integrated by Software incorrectly
Q1880-04	VL042439.D	Carbon Tetrachloride	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software

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Q1880-04	VL042439.D	Chlorodifluoromethane	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL042439.D	Hexane	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL042439.D	m/p-Xylene	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL042439.D	Tetrachloroethene	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL042439.D	Toluene	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL042439.D	Trichlorofluoromethane	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-07DL	VL042441.D	2-Butanone	SAM	4/30/2025 7:51:22 AM	MMDadoda	4/30/2025 2:28:23 PM	Peak Integrated by Softwar

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Q1880-05	VL042447.D	Chlorodifluoromethane	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software incorrectly
Q1880-05	VL042447.D	m/p-Xylene	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software incorrectly
Q1880-05	VL042447.D	Tetrachloroethene	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software incorrectly
Q1880-05	VL042447.D	Toluene	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software incorrectly
Q1880-05	VL042447.D	Trichlorofluoromethane	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software incorrectly
Q1880-07	VL042448.D	Benzene	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL042448.D	Carbon Tetrachloride	SAM	4/30/2025 7:52:30	MMDadoda	4/30/2025 2:27:33	Peak Integrated by

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				AM		PM	Software incorrectly
Q1880-07	VL042448.D	Chlorodifluoromethane	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL042448.D	Dichlorodifluoromethane	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL042448.D	m/p-Xylene	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL042448.D	Tetrahydrofuran	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL042448.D	Toluene	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-11	VL042449.D	Carbon Tetrachloride	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software incorrectly
Q1880-11	VL042449.D	Chlorodifluoromethane	SAM	4/30/2025	MMDadoda	4/30/2025	Peak Integrat

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				7:49:52 AM		2:27:40 PM	ed by Software incorrectly
Q1880-11	VL042449.D	Hexane	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software incorrectly
Q1880-11	VL042449.D	Toluene	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software incorrectly

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1880

	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:** 05/03/2025

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LAB CHRONICLE

OrderID:	Q1880	**OrderDate:**	4/24/2025 4:04:29 PM
Client:	Tetra Tech, EMI	**Project:**	R36900
Contact:	Ava Heiss	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1880-01	**EBR-P11-SC-SS01-20250421**	**Air**			**04/22/25**			**04/24/25**
			TO-15	TO-15			04/28/25	
Q1880-01DL	**EBR-P11-SC-SS01-20250421DL**	**Air**			**04/22/25**			**04/24/25**
			TO-15	TO-15			04/29/25	
Q1880-02	**EBR-P02-SL-IA02-20250423**	**Air**			**04/24/25**			**04/24/25**
			TO-15	TO-15			04/28/25	
Q1880-03	**EBR-P08-SC-IA01-20250421**	**Air**			**04/21/25**			**04/24/25**
			TO-15	TO-15			04/28/25	
Q1880-04	**EBR-P08-SC-SS01-20250421**	**Air**			**04/22/25**			**04/24/25**
			TO-15	TO-15			04/29/25	
Q1880-05	**EBR-SC-SS-DUP01-20250421**	**Air**			**04/22/25**			**04/24/25**
			TO-15	TO-15			04/29/25	
Q1880-06	**EBR-P02-SC-DUP01-20250423**	**Air**			**04/24/25**			**04/24/25**
			TO-15	TO-15			04/28/25	
Q1880-07	**EBR-P16-SC-SS01-20250422**	**Air**			**04/23/25**			**04/24/25**
			TO-15	TO-15			04/29/25	
Q1880-07DL	**EBR-P16-SC-SS01-20250422DL**	**Air**			**04/23/25**			**04/24/25**
			TO-15	TO-15			04/29/25	

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LAB CHRONICLE

Q1880-08	**EBR-P02-SC-IA01-20250423**	**Air**		**04/24/25**		**04/24/25**
			TO-15	TO-15	04/28/25	
Q1880-09	**EBR-P16-SC-AA-DUP-01-20250422**	**Air**		**04/23/25**		**04/24/25**
			TO-15	TO-15	04/28/25	
Q1880-10	**EBR-P16-SC-AA01-20250422**	**Air**		**04/23/25**		**04/24/25**
			TO-15	TO-15	04/28/25	
Q1880-11	**EBR-P02-SC-SS01-20250423**	**Air**		**04/24/25**		**04/24/25**
			TO-15	TO-15	04/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EBR-P11-SC-SS01-20250421**							
Q1880-01	EBR-P11-SC-SS01-	Air	Dichlorodifluoromethane	5.93		1.04	2.47	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Trichlorofluoromethane	7.87		0.90	2.81	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	tert-Butyl alcohol	4.55		0.58	1.52	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Heptane	1.19	J	0.45	2.05	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Acetone	261	E	0.57	1.19	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Carbon Disulfide	14.6		0.50	1.56	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Methylene Chloride	1.42	J	0.66	1.74	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Cyclohexane	0.79	J	0.76	1.72	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	2-Butanone	32.7		0.35	1.47	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Carbon Tetrachloride	0.31		0.060	0.19	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Chloroform	2.30	J	0.39	2.44	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Benzene	1.47	J	0.29	1.60	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Trichloroethene	3.44		0.11	0.16	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	4-Methyl-2-Pentanone	1.31	J	0.37	2.05	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Toluene	3.39		0.41	1.88	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Tetrachloroethene	2.64		0.14	0.20	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	m/p-Xylene	1.78	J	0.91	4.34	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	o-Xylene	0.69	J	0.52	2.17	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	1,2,4-Trimethylbenzene	0.49	J	0.39	2.46	ug/m3
Q1880-01	EBR-P11-SC-SS01-	Air	Hexane	2.36		0.39	1.76	ug/m3
			Total Voc :	351				
			Total Concentration:	351				
Client ID:	**EBR-P11-SC-SS01-20250421DL**							
Q1880-01DL	EBR-P11-SC-SS01-	Air	Acetone	428	D	11.4	23.8	ug/m3
Q1880-01DL	EBR-P11-SC-SS01-	Air	2-Butanone	27.7	JD	7.08	29.5	ug/m3
			Total Voc :	455				
			Total Concentration:	455				
Client ID:	**EBR-P02-SL-IA02-20250423**							
Q1880-02	EBR-P02-SL-IA02-	Air	Dichlorodifluoromethane	2.37	J	1.04	2.47	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Chloromethane	1.16		0.21	1.03	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Trichlorofluoromethane	1.91	J	0.90	2.81	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Acetone	14.5		0.57	1.19	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Methylene Chloride	2.85		0.66	1.74	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Cyclohexane	2.13		0.76	1.72	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	2-Butanone	0.86	J	0.35	1.47	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1880-02	EBR-P02-SL-IA02-	Air	Benzene	0.38	J	0.29	1.60	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Toluene	1.28	J	0.41	1.88	ug/m3
Q1880-02	EBR-P02-SL-IA02-	Air	Hexane	1.13	J	0.39	1.76	ug/m3
			Total Voc :	29.0				
			Total Concentration:	29.0				
Client ID:	**EBR-P08-SC-IA01-20250421**							
Q1880-03	EBR-P08-SC-IA01-	Air	Dichlorodifluoromethane	2.42	J	1.04	2.47	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Chloromethane	1.12		0.21	1.03	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Trichlorofluoromethane	1.63	J	0.90	2.81	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Heptane	0.53	J	0.45	2.05	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Acetone	8.31		0.57	1.19	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Methylene Chloride	1.42	J	0.66	1.74	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	2-Butanone	0.91	J	0.35	1.47	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Toluene	0.87	J	0.41	1.88	ug/m3
Q1880-03	EBR-P08-SC-IA01-	Air	Hexane	1.13	J	0.39	1.76	ug/m3
			Total Voc :	18.8				
			Total Concentration:	18.8				
Client ID:	**EBR-P08-SC-SS01-20250421**							
Q1880-04	EBR-P08-SC-SS01-	Air	Dichlorodifluoromethane	2.42	J	1.04	2.47	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Trichlorofluoromethane	1.46	J	0.90	2.81	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	tert-Butyl alcohol	2.30		0.58	1.52	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Acetone	32.5		0.57	1.19	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Methylene Chloride	1.35	J	0.66	1.74	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	2-Butanone	3.83		0.35	1.47	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Carbon Tetrachloride	0.38		0.060	0.19	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	1,1,1-Trichloroethane	2.51		0.050	0.16	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Toluene	0.57	J	0.41	1.88	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Tetrachloroethene	4.34		0.14	0.20	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	m/p-Xylene	1.00	J	0.91	4.34	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	1,2,4-Trimethylbenzene	1.62	J	0.39	2.46	ug/m3
Q1880-04	EBR-P08-SC-SS01-	Air	Hexane	0.70	J	0.39	1.76	ug/m3
			Total Voc :	55.0				
			Total Concentration:	55.0				
Client ID:	**EBR-SC-SS-DUP01-20250421**							
Q1880-05	EBR-SC-SS-DUP01	Air	Dichlorodifluoromethane	2.67		1.04	2.47	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Tetrahydrofuran	0.62	J	0.38	1.47	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Trichlorofluoromethane	1.40	J	0.90	2.81	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1880-05	EBR-SC-SS-DUP01	Air	tert-Butyl alcohol	1.64		0.58	1.52	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Acetone	26.6		0.57	1.19	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Methylene Chloride	1.77		0.66	1.74	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	2-Butanone	1.80		0.35	1.47	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Carbon Tetrachloride	0.38		0.060	0.19	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	1,1,1-Trichloroethane	2.02		0.050	0.16	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Toluene	0.53	J	0.41	1.88	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Tetrachloroethene	3.05		0.14	0.20	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	m/p-Xylene	0.91	J	0.91	4.34	ug/m3
Q1880-05	EBR-SC-SS-DUP01	Air	Hexane	0.92	J	0.39	1.76	ug/m3
			Total Voc :	44.3				
			Total Concentration:	44.3				
Client ID:	**EBR-P02-SC-DUP01-20250423**							
Q1880-06	EBR-P02-SC-DUP(	Air	Dichlorodifluoromethane	2.62		1.04	2.47	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Chloromethane	1.69		0.21	1.03	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Trichlorofluoromethane	1.46	J	0.90	2.81	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Acetone	24.7		0.57	1.19	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Methylene Chloride	3.82		0.66	1.74	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	2-Butanone	2.62		0.35	1.47	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Carbon Tetrachloride	0.57		0.060	0.19	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Chloroform	0.59	J	0.39	2.44	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Benzene	0.42	J	0.29	1.60	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Toluene	1.43	J	0.41	1.88	ug/m3
Q1880-06	EBR-P02-SC-DUP(	Air	Hexane	1.90		0.39	1.76	ug/m3
			Total Voc :	41.8				
			Total Concentration:	41.8				
Client ID:	**EBR-P16-SC-SS01-20250422**							
Q1880-07	EBR-P16-SC-SS01-	Air	Dichlorodifluoromethane	2.42	J	1.04	2.47	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Tetrahydrofuran	1.27	J	0.38	1.47	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Trichlorofluoromethane	1.29	J	0.90	2.81	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	tert-Butyl alcohol	9.09		0.58	1.52	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Acetone	44.9	E	0.57	1.19	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Methylene Chloride	1.08	J	0.66	1.74	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	2-Butanone	6.19		0.35	1.47	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Carbon Tetrachloride	0.38		0.060	0.19	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Benzene	0.48	J	0.29	1.60	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Toluene	0.64	J	0.41	1.88	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1880-07	EBR-P16-SC-SS01-	Air	Tetrachloroethene	0.20		0.14	0.20	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	m/p-Xylene	0.96	J	0.91	4.34	ug/m3
Q1880-07	EBR-P16-SC-SS01-	Air	Hexane	0.49	J	0.39	1.76	ug/m3
			Total Voc :	69.4				
			Total Concentration:	69.4				
Client ID:	**EBR-P16-SC-SS01-20250422DL**							
Q1880-07DL	EBR-P16-SC-SS01-	Air	tert-Butyl alcohol	10.6	JD	5.76	15.2	ug/m3
Q1880-07DL	EBR-P16-SC-SS01-	Air	Acetone	52.0	D	5.70	11.9	ug/m3
Q1880-07DL	EBR-P16-SC-SS01-	Air	2-Butanone	7.67	JD	3.54	14.8	ug/m3
			Total Voc :	70.3				
			Total Concentration:	70.3				
Client ID:	**EBR-P02-SC-IA01-20250423**							
Q1880-08	EBR-P02-SC-IA01-	Air	Dichlorodifluoromethane	2.52		1.04	2.47	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Chloromethane	1.20		0.21	1.03	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Trichlorofluoromethane	1.35	J	0.90	2.81	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Acetone	10.2		0.57	1.19	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Methylene Chloride	1.42	J	0.66	1.74	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	2-Butanone	1.21	J	0.35	1.47	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Benzene	0.35	J	0.29	1.60	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Toluene	1.55	J	0.41	1.88	ug/m3
Q1880-08	EBR-P02-SC-IA01-	Air	Hexane	0.39	J	0.39	1.76	ug/m3
			Total Voc :	20.6				
			Total Concentration:	20.6				
Client ID:	**EBR-P16-SC-AA-DUP-01-20250422**							
Q1880-09	EBR-P16-SC-AA-D	Air	Dichlorodifluoromethane	2.52		1.04	2.47	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Chloromethane	1.26		0.21	1.03	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Trichlorofluoromethane	1.40	J	0.90	2.81	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Acetone	19.7		0.57	1.19	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Methylene Chloride	25.0		0.66	1.74	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	2-Butanone	2.48		0.35	1.47	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Toluene	0.68	J	0.41	1.88	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Tetrachloroethene	0.34		0.14	0.20	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	m/p-Xylene	1.13	J	0.91	4.34	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	o-Xylene	0.52	J	0.52	2.17	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	1,2,4-Trimethylbenzene	1.33	J	0.39	2.46	ug/m3
Q1880-09	EBR-P16-SC-AA-D	Air	Hexane	15.9		0.39	1.76	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Voc :	72.7				
			Total Concentration:	72.7				
Client ID:	**EBR-P16-SC-AA01-20250422**							
Q1880-10	EBR-P16-SC-AA01	Air	Dichlorodifluoromethane	2.27	J	1.04	2.47	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Chloromethane	1.22		0.21	1.03	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Trichlorofluoromethane	1.46	J	0.90	2.81	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Acetone	7.84		0.57	1.19	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Methylene Chloride	3.82		0.66	1.74	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	2-Butanone	0.86	J	0.35	1.47	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Benzene	0.35	J	0.29	1.60	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Toluene	0.64	J	0.41	1.88	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Tetrachloroethene	0.47		0.14	0.20	ug/m3
Q1880-10	EBR-P16-SC-AA01	Air	Hexane	1.80		0.39	1.76	ug/m3
			Total Voc :	21.2				
			Total Concentration:	21.2				
Client ID:	**EBR-P02-SC-SS01-20250423**							
Q1880-11	EBR-P02-SC-SS01-	Air	Dichlorodifluoromethane	2.32	J	1.04	2.47	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Chloromethane	0.99	J	0.21	1.03	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Trichlorofluoromethane	1.80	J	0.90	2.81	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Acetone	15.9		0.57	1.19	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Methylene Chloride	1.49	J	0.66	1.74	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Cyclohexane	3.13		0.76	1.72	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	2-Butanone	1.06	J	0.35	1.47	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Carbon Tetrachloride	0.38		0.060	0.19	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Toluene	1.85	J	0.41	1.88	ug/m3
Q1880-11	EBR-P02-SC-SS01-	Air	Hexane	0.49	J	0.39	1.76	ug/m3
			Total Voc :	29.4				
			Total Concentration:	29.4				

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-P11-SC-SS01-2025 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-01 **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	1.2		5.93		
Chloromethane	74-87-3	50.49	0.5	U	1.03		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	1.4		7.87		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	1.5		4.55		
Heptane	142-82-5	100.2	0.29	J	1.19		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	110	E	261		
Carbon Disulfide	75-15-0	76.14	4.7		14.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.41	J	1.42		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.23	J	0.79		
2-Butanone	78-93-3	72.11	11.1		32.7		
Carbon Tetrachloride	56-23-5	153.8	0.05		0.31		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.47	J	2.3		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.46	J	1.47		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.64		3.44		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.32	J	1.31		
Toluene	108-88-3	92.14	0.9		3.39		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-P11-SC-SS01-2025 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-01 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.39		2.64		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.41	J	1.78		
o-Xylene	95-47-6	106.2	0.16	J	0.69		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.1	J	0.49		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.67		2.36		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-P11-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-01DL **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	10	UD	49.4		
Chloromethane	74-87-3	50.49	10	UD	20.6		
Vinyl Chloride	75-01-4	62.5	0.6	UD	1.53		
Bromomethane	74-83-9	94.94	10	UD	38.8		
Chloroethane	75-00-3	64.52	10	UD	26.4		
Tetrahydrofuran	109-99-9	72.11	10	UD	29.5		
Trichlorofluoromethane	75-69-4	137.4	10	UD	56.2		
Dichlorotetrafluoroethane	76-14-2	170.9	10	UD	69.9		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	10	UD	76.6		
tert-Butyl alcohol	75-65-0	74.12	10	UD	30.3		
Heptane	142-82-5	100.2	10	UD	41.0		
1,1-Dichloroethene	75-35-4	96.94	10	UD	39.6		
Acetone	67-64-1	58.08	180	D	427		
Carbon Disulfide	75-15-0	76.14	10	UD	31.1		
Methyl tert-Butyl Ether	1634-04-4	88.15	10	UD	36.0		
Methylene Chloride	75-09-2	84.94	10	UD	34.7		
trans-1,2-Dichloroethene	156-60-5	96.94	10	UD	39.6		
1,1-Dichloroethane	75-34-3	98.96	10	UD	40.5		
Cyclohexane	110-82-7	84.16	10	UD	34.4		
2-Butanone	78-93-3	72.11	9.4	JD	27.7		
Carbon Tetrachloride	56-23-5	153.8	0.6	UD	3.77		
cis-1,2-Dichloroethene	156-59-2	96.94	10	UD	39.6		
Chloroform	67-66-3	119.4	10	UD	48.8		
1,1,1-Trichloroethane	71-55-6	133.4	0.6	UD	3.27		
2,2,4-Trimethylpentane	540-84-1	114.2	10	UD	46.7		
Benzene	71-43-2	78.11	10	UD	32.0		
1,2-Dichloroethane	107-06-2	98.96	10	UD	40.5		
Trichloroethene	79-01-6	131.4	0.6	UD	3.22		
1,2-Dichloropropane	78-87-5	113	10	UD	46.2		
Bromodichloromethane	75-27-4	163.8	10	UD	67.0		
4-Methyl-2-Pentanone	108-10-1	100.2	10	UD	41.0		
Toluene	108-88-3	92.14	10	UD	37.7		
t-1,3-Dichloropropene	10061-02-6	111	10	UD	45.4		
cis-1,3-Dichloropropene	10061-01-5	111	10	UD	45.4		
1,1,2-Trichloroethane	79-00-5	133.4	10	UD	54.6		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-P11-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-01DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	10	UD	85.2		
1,2-Dibromoethane	106-93-4	187.9	2	UD	15.4		
Tetrachloroethene	127-18-4	165.8	0.6	UD	4.07		
Chlorobenzene	108-90-7	112.6	10	UD	46.0		
Ethyl Benzene	100-41-4	106.2	10	UD	43.4		
m/p-Xylene	179601-23-1	106.2	20	UD	86.9		
o-Xylene	95-47-6	106.2	10	UD	43.4		
Styrene	100-42-5	104.1	10	UD	42.6		
Bromoform	75-25-2	252.8	10	UD	103		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.6	UD	4.12		
2-Chlorotoluene	95-49-8	126.6	10	UD	51.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	10	UD	49.2		
1,2,4-Trimethylbenzene	95-63-6	120.2	10	UD	49.2		
1,3-Dichlorobenzene	541-73-1	147	10	UD	60.1		
1,4-Dichlorobenzene	106-46-7	147	10	UD	60.1		
1,2-Dichlorobenzene	95-50-1	147	10	UD	60.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	10	UD	74.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	10	UD	106		
Naphthalene	91-20-3	128.17	2	UD	10.5		
1,3-Butadiene	106-99-0	54.09	10	UD	22.1		
4-Ethyltoluene	622-96-8	120.2	10	UD	49.2		
Hexane	110-54-3	86.17	10	UD	35.2		
Allyl Chloride	107-05-1	76.53	10	UD	31.3		
1,4-Dioxane	123-91-1	88.12	10	UD	36.0		
Methyl Methacrylate	80-62-6	100.117	10	UD	41.0		

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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SL-IA02-20250 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-02 **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	0.48	J	2.37		
Chloromethane	74-87-3	50.49	0.56		1.16		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	J	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	6.1		14.5		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.82		2.85		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.62		2.13		
2-Butanone	78-93-3	72.11	0.29	J	0.86		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.12	J	0.38		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.34	J	1.28		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SL-IA02-20250 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-02 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.03	U	0.2		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.32	J	1.13		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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Project : R36900 **Sampling Date :** 04/21/25

Field Id Number : EBR-P08-SC-IA01-2025(**Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-03 **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	0.49	J	2.42		
Chloromethane	74-87-3	50.49	0.54		1.12		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.29	J	1.63		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.13	J	0.53		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	3.5		8.31		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.41	J	1.42		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.31	J	0.91		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.23	J	0.87		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/21/25

Field Id Number : EBR-P08-SC-IA01-2025(**Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-03 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.03	U	0.2		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.32	J	1.13		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-P08-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-04 **Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.49	J	2.42		
Chloromethane	74-87-3	50.49	0.5	U	1.03		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.76		2.3		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	13.7		32.5		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.39	J	1.35		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	1.3		3.83		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.46		2.51		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.15	J	0.57		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-P08-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-04 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.64		4.34		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.23	J	1		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.33	J	1.62		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.2	J	0.7		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-SC-SS-DUP01-202 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-05 **Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.54		2.67		
Chloromethane	74-87-3	50.49	0.5	U	1.03		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.21	J	0.62		
Trichlorofluoromethane	75-69-4	137.4	0.25	J	1.4		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.54		1.64		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	11.2		26.6		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.51		1.77		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.61		1.8		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.37		2.02		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.14	J	0.53		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/22/25

Field Id Number : EBR-SC-SS-DUP01-202 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-05 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.45		3.05		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.21	J	0.91		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.26	J	0.92		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SC-DUP01-202 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-06 **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	0.53		2.62		
Chloromethane	74-87-3	50.49	0.82		1.69		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	10.4		24.7		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	1.1		3.82		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.89		2.62		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.12	J	0.59		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.13	J	0.42		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.38	J	1.43		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SC-DUP01-202 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-06 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.03	U	0.2		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.54		1.9		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-07 **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	0.49	J	2.42		
Chloromethane	74-87-3	50.49	0.5	U	1.03		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.43	J	1.27		
Trichlorofluoromethane	75-69-4	137.4	0.23	J	1.29		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	3		9.09		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	18.9	E	44.9		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.31	J	1.08		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	2.1		6.19		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.15	J	0.48		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.17	J	0.64		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-07 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.03		0.2		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.22	J	0.96		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.14	J	0.49		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-07DL **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	5	UD	24.7		
Chloromethane	74-87-3	50.49	5	UD	10.3		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	5	UD	19.4		
Chloroethane	75-00-3	64.52	5	UD	13.2		
Tetrahydrofuran	109-99-9	72.11	5	UD	14.8		
Trichlorofluoromethane	75-69-4	137.4	5	UD	28.1		
Dichlorotetrafluoroethane	76-14-2	170.9	5	UD	35.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	5	UD	38.3		
tert-Butyl alcohol	75-65-0	74.12	3.5	JD	10.6		
Heptane	142-82-5	100.2	5	UD	20.5		
1,1-Dichloroethene	75-35-4	96.94	5	UD	19.8		
Acetone	67-64-1	58.08	21.9	D	52.0		
Carbon Disulfide	75-15-0	76.14	5	UD	15.6		
Methyl tert-Butyl Ether	1634-04-4	88.15	5	UD	18.0		
Methylene Chloride	75-09-2	84.94	5	UD	17.4		
trans-1,2-Dichloroethene	156-60-5	96.94	5	UD	19.8		
1,1-Dichloroethane	75-34-3	98.96	5	UD	20.2		
Cyclohexane	110-82-7	84.16	5	UD	17.2		
2-Butanone	78-93-3	72.11	2.6	JD	7.67		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	5	UD	19.8		
Chloroform	67-66-3	119.4	5	UD	24.4		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trimethylpentane	540-84-1	114.2	5	UD	23.4		
Benzene	71-43-2	78.11	5	UD	16.0		
1,2-Dichloroethane	107-06-2	98.96	5	UD	20.2		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	5	UD	23.1		
Bromodichloromethane	75-27-4	163.8	5	UD	33.5		
4-Methyl-2-Pentanone	108-10-1	100.2	5	UD	20.5		
Toluene	108-88-3	92.14	5	UD	18.8		
t-1,3-Dichloropropene	10061-02-6	111	5	UD	22.7		
cis-1,3-Dichloropropene	10061-01-5	111	5	UD	22.7		
1,1,2-Trichloroethane	79-00-5	133.4	5	UD	27.3		

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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-07DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	5	UD	42.6		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	0.3	UD	2.03		
Chlorobenzene	108-90-7	112.6	5	UD	23.0		
Ethyl Benzene	100-41-4	106.2	5	UD	21.7		
m/p-Xylene	179601-23-1	106.2	10	UD	43.4		
o-Xylene	95-47-6	106.2	5	UD	21.7		
Styrene	100-42-5	104.1	5	UD	21.3		
Bromoform	75-25-2	252.8	5	UD	51.7		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.3	UD	2.06		
2-Chlorotoluene	95-49-8	126.6	5	UD	25.9		
1,3,5-Trimethylbenzene	108-67-8	120.2	5	UD	24.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	5	UD	24.6		
1,3-Dichlorobenzene	541-73-1	147	5	UD	30.1		
1,4-Dichlorobenzene	106-46-7	147	5	UD	30.1		
1,2-Dichlorobenzene	95-50-1	147	5	UD	30.1		
1,2,4-Trichlorobenzene	120-82-1	181.5	5	UD	37.1		
Hexachloro-1,3-Butadiene	87-68-3	260.8	5	UD	53.3		
Naphthalene	91-20-3	128.17	1	UD	5.24		
1,3-Butadiene	106-99-0	54.09	5	UD	11.1		
4-Ethyltoluene	622-96-8	120.2	5	UD	24.6		
Hexane	110-54-3	86.17	5	UD	17.6		
Allyl Chloride	107-05-1	76.53	5	UD	15.6		
1,4-Dioxane	123-91-1	88.12	5	UD	18.0		
Methyl Methacrylate	80-62-6	100.117	5	UD	20.5		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SC-IA01-2025(**Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-08 **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	0.51		2.52		
Chloromethane	74-87-3	50.49	0.58		1.2		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.24	J	1.35		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	4.3		10.2		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.41	J	1.42		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.41	J	1.21		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.11	J	0.35		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.41	J	1.55		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SC-IA01-2025(**Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-08 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.03	U	0.2		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.11	J	0.39		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-AA-DUP-0´ **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-09 **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	0.51		2.52		
Chloromethane	74-87-3	50.49	0.61		1.26		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.25	J	1.4		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	8.3		19.7		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	7.2		25.0		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.84		2.48		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.18	J	0.68		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-AA-DUP-0´ **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-09 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.05		0.34		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	0.26	J	1.13		
o-Xylene	95-47-6	106.2	0.12	J	0.52		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.27	J	1.33		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	4.5		15.9		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-AA01-2025 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-10 **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	0.46	J	2.27		
Chloromethane	74-87-3	50.49	0.59		1.22		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	3.3		7.84		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	1.1		3.82		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.5	U	1.72		
2-Butanone	78-93-3	72.11	0.29	J	0.86		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.11	J	0.35		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.17	J	0.64		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/23/25

Field Id Number : EBR-P16-SC-AA01-2025 **Analysis Date :** 04/28/25

Laboratory Id Number : Q1880-10 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.07		0.47		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.51		1.8		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-11 **Target Analyts :** Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.47	J	2.32		
Chloromethane	74-87-3	50.49	0.48	J	0.99		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.5	U	1.94		
Chloroethane	75-00-3	64.52	0.5	U	1.32		
Tetrahydrofuran	109-99-9	72.11	0.5	U	1.47		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	U	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	U	3.83		
tert-Butyl alcohol	75-65-0	74.12	0.5	U	1.52		
Heptane	142-82-5	100.2	0.5	U	2.05		
1,1-Dichloroethene	75-35-4	96.94	0.5	U	1.98		
Acetone	67-64-1	58.08	6.7		15.9		
Carbon Disulfide	75-15-0	76.14	0.5	U	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	U	1.8		
Methylene Chloride	75-09-2	84.94	0.43	J	1.49		
trans-1,2-Dichloroethene	156-60-5	96.94	0.5	U	1.98		
1,1-Dichloroethane	75-34-3	98.96	0.5	U	2.02		
Cyclohexane	110-82-7	84.16	0.91		3.13		
2-Butanone	78-93-3	72.11	0.36	J	1.06		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.5	U	1.98		
Chloroform	67-66-3	119.4	0.5	U	2.44		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.5	U	2.34		
Benzene	71-43-2	78.11	0.5	U	1.6		
1,2-Dichloroethane	107-06-2	98.96	0.5	U	2.02		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.5	U	2.31		
Bromodichloromethane	75-27-4	163.8	0.5	U	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	U	2.05		
Toluene	108-88-3	92.14	0.49	J	1.85		
t-1,3-Dichloropropene	10061-02-6	111	0.5	U	2.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.5	U	2.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.5	U	2.73		

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Project : R36900 **Sampling Date :** 04/24/25

Field Id Number : EBR-P02-SC-SS01-2025 **Analysis Date :** 04/29/25

Laboratory Id Number : Q1880-11 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.5	U	4.26		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.03	U	0.2		
Chlorobenzene	108-90-7	112.6	0.5	U	2.3		
Ethyl Benzene	100-41-4	106.2	0.5	U	2.17		
m/p-Xylene	179601-23-1	106.2	1	U	4.34		
o-Xylene	95-47-6	106.2	0.5	U	2.17		
Styrene	100-42-5	104.1	0.5	U	2.13		
Bromoform	75-25-2	252.8	0.5	U	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		
2-Chlorotoluene	95-49-8	126.6	0.5	U	2.59		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.5	U	2.46		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.5	U	2.46		
1,3-Dichlorobenzene	541-73-1	147	0.5	U	3.01		
1,4-Dichlorobenzene	106-46-7	147	0.5	U	3.01		
1,2-Dichlorobenzene	95-50-1	147	0.5	U	3.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	U	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.5	U	5.33		
Naphthalene	91-20-3	128.17	0.1	U	0.52		
1,3-Butadiene	106-99-0	54.09	0.5	U	1.11		
4-Ethyltoluene	622-96-8	120.2	0.5	U	2.46		
Hexane	110-54-3	86.17	0.14	J	0.49		
Allyl Chloride	107-05-1	76.53	0.5	U	1.57		
1,4-Dioxane	123-91-1	88.12	0.5	U	1.8		
Methyl Methacrylate	80-62-6	100.117	0.5	U	2.05		

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,
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Surrogate Summary

SDG No.: Q1880

Client: Tetra Tech, EMI

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1880-01	EBR-P11-SC-SS01-20250421	1-Bromo-4-Fluorobenzene	10	10.9	109	65	135
Q1880-01DL	EBR-P11-SC-SS01-20250421DL	1-Bromo-4-Fluorobenzene	10	10.7	107	65	135
Q1880-02	EBR-P02-SL-IA02-20250423	1-Bromo-4-Fluorobenzene	10	10.5	105	65	135
Q1880-03	EBR-P08-SC-IA01-20250421	1-Bromo-4-Fluorobenzene	10	10.4	104	65	135
Q1880-04	EBR-P08-SC-SS01-20250421	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
Q1880-05	EBR-SC-SS-DUP01-20250421	1-Bromo-4-Fluorobenzene	10	11.2	112	65	135
Q1880-06	EBR-P02-SC-DUP01-20250423	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
Q1880-07	EBR-P16-SC-SS01-20250422	1-Bromo-4-Fluorobenzene	10	10.8	108	65	135
Q1880-07DL	EBR-P16-SC-SS01-20250422DL	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
Q1880-08	EBR-P02-SC-IA01-20250423	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
Q1880-09	EBR-P16-SC-AA-DUP-01-20250422	1-Bromo-4-Fluorobenzene	10	11.0	110	65	135
Q1880-10	EBR-P16-SC-AA01-20250422	1-Bromo-4-Fluorobenzene	10	10.7	107	65	135
Q1880-10DUP	EBR-P16-SC-AA01-20250422DUP	1-Bromo-4-Fluorobenzene	10	10.7	107	65	135
Q1880-11	EBR-P02-SC-SS01-20250423	1-Bromo-4-Fluorobenzene	10	11.0	110	65	135
VL0428ABL01	VL0428ABL01	1-Bromo-4-Fluorobenzene	10	10.4	105	65	135
VL0428ABS01	VL0428ABS01	1-Bromo-4-Fluorobenzene	10	10.5	105	65	135
VL0429ABL01	VL0429ABL01	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
VL0429ABS01	VL0429ABS01	1-Bromo-4-Fluorobenzene	10	11.3	113	65	135

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Analytical Method: SWTO-15 **Datafile :** VL042418.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0428ABS01	Dichlorodifluoromethane	10	10.0	ppbv	100			70	130	
	Chloromethane	10	9.70	ppbv	97			70	130	
	Vinyl Chloride	10	8.70	ppbv	87			70	130	
	Bromomethane	10	9.40	ppbv	94			70	130	
	Chloroethane	10	9.50	ppbv	95			70	130	
	Tetrahydrofuran	10	8.40	ppbv	84			70	130	
	Trichlorofluoromethane	10	10.0	ppbv	100			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.60	ppbv	96			70	130	
	Dichlorotetrafluoethane	10	10.0	ppbv	100			70	130	
	tert-Butyl Alcohol	10	8.90	ppbv	89			70	130	
	Heptane	10	7.60	ppbv	76			70	130	
	1,1-Dichloroethene	10	9.20	ppbv	92			70	130	
	Acetone	10	8.60	ppbv	86			70	130	
	Carbon disulfide	10	9.40	ppbv	94			70	130	
	Methyl tert-butyl Ether	10	8.70	ppbv	87			70	130	
	Methylene Chloride	10	7.90	ppbv	79			70	130	
	trans-1,2-Dichloroethene	10	9.20	ppbv	92			70	130	
	1,1-Dichloroethane	10	9.40	ppbv	94			70	130	
	Cyclohexane	10	8.60	ppbv	86			70	130	
	2-Butanone	10	8.60	ppbv	86			70	130	
	Carbon Tetrachloride	10	9.90	ppbv	99			70	130	
	cis-1,2-Dichloroethene	10	9.50	ppbv	95			70	130	
	Chloroform	10	9.80	ppbv	98			70	130	
	1,1,1-Trichloroethane	10	9.50	ppbv	95			70	130	
	2,2,4-Trimethylpentane	10	8.70	ppbv	87			70	130	
	Benzene	10	9.00	ppbv	90			70	130	
	1,2-Dichloroethane	10	10.6	ppbv	106			70	130	
	Trichloroethene	10	8.30	ppbv	83			70	130	
	1,2-Dichloropropane	10	8.80	ppbv	88			70	130	
	Bromodichloromethane	10	10.2	ppbv	102			70	130	
	4-Methyl-2-Pentanone	10	7.70	ppbv	77			70	130	
	Toluene	10	8.90	ppbv	89			70	130	
	t-1,3-Dichloropropene	10	9.10	ppbv	91			70	130	
	cis-1,3-Dichloropropene	10	9.10	ppbv	91			70	130	
	1,1,2-Trichloroethane	10	9.50	ppbv	95			70	130	
	Dibromochloromethane	10	9.80	ppbv	98			70	130	
	1,2-Dibromoethane	10	9.20	ppbv	92			70	130	
	Tetrachloroethene	10	8.10	ppbv	81			70	130	
	Chlorobenzene	10	9.50	ppbv	95			70	130	
	Ethyl Benzene	10	9.30	ppbv	93			70	130	
	m/p-Xylene	20	19.0	ppbv	95			70	130	
	o-Xylene	10	9.50	ppbv	95			70	130	
	Styrene	10	9.10	ppbv	91			70	130	
	Bromoform	10	9.20	ppbv	92			70	130	
	1,1,2,2-Tetrachloroethane	10	8.80	ppbv	88			70	130	
	2-Chlorotoluene	10	9.60	ppbv	96			70	130	
	1,3,5-Trimethylbenzene	10	9.30	ppbv	93			70	130	
	1,2,4-Trimethylbenzene	10	8.90	ppbv	89			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Analytical Method: SWTO-15 **Datafile :** VL042418.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0428ABS01	1,3-Dichlorobenzene	10	9.00	ppbv	90			70	130	
	1,4-Dichlorobenzene	10	9.00	ppbv	90			70	130	
	1,2-Dichlorobenzene	10	9.10	ppbv	91			70	130	
	1,2,4-Trichlorobenzene	10	8.70	ppbv	87			70	130	
	Hexachloro-1,3-butadiene	10	8.80	ppbv	88			70	130	
	Naphthalene	10	8.50	ppbv	85			70	130	
	1,3-Butadiene	10	9.00	ppbv	90			70	130	
	4-Ethyltoluene	10	9.40	ppbv	94			70	130	
	Hexane	10	8.10	ppbv	81			70	130	
	Allyl Chloride	10	9.00	ppbv	90			70	130	
	1,4-Dioxane	10	8.00	ppbv	80			70	130	
	Methyl methacrylate	10	8.30	ppbv	83			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Analytical Method: SWTO-15 **Datafile :** VL042438.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0429ABS01	Dichlorodifluoromethane	10	11.6	ppbv	116			70	130	
	Chloromethane	10	11.0	ppbv	110			70	130	
	Vinyl Chloride	10	9.60	ppbv	96			70	130	
	Bromomethane	10	10.7	ppbv	107			70	130	
	Chloroethane	10	10.5	ppbv	105			70	130	
	Tetrahydrofuran	10	8.50	ppbv	85			70	130	
	Trichlorofluoromethane	10	11.5	ppbv	115			70	130	
	1,1,2-Trichlorotrifluoroethane	10	10.9	ppbv	109			70	130	
	Dichlorotetrafluoethane	10	11.2	ppbv	112			70	130	
	tert-Butyl Alcohol	10	9.70	ppbv	97			70	130	
	Heptane	10	7.60	ppbv	76			70	130	
	1,1-Dichloroethene	10	10.2	ppbv	102			70	130	
	Acetone	10	9.90	ppbv	99			70	130	
	Carbon disulfide	10	10.4	ppbv	104			70	130	
	Methyl tert-butyl Ether	10	9.30	ppbv	93			70	130	
	Methylene Chloride	10	9.00	ppbv	90			70	130	
	trans-1,2-Dichloroethene	10	9.90	ppbv	99			70	130	
	1,1-Dichloroethane	10	10.9	ppbv	109			70	130	
	Cyclohexane	10	8.60	ppbv	86			70	130	
	2-Butanone	10	9.30	ppbv	93			70	130	
	Carbon Tetrachloride	10	11.0	ppbv	110			70	130	
	cis-1,2-Dichloroethene	10	9.60	ppbv	96			70	130	
	Chloroform	10	10.6	ppbv	106			70	130	
	1,1,1-Trichloroethane	10	10.3	ppbv	103			70	130	
	2,2,4-Trimethylpentane	10	9.00	ppbv	90			70	130	
	Benzene	10	9.30	ppbv	93			70	130	
	1,2-Dichloroethane	10	12.0	ppbv	120			70	130	
	Trichloroethene	10	8.50	ppbv	85			70	130	
	1,2-Dichloropropane	10	9.00	ppbv	90			70	130	
	Bromodichloromethane	10	11.1	ppbv	111			70	130	
	4-Methyl-2-Pentanone	10	7.80	ppbv	78			70	130	
	Toluene	10	8.80	ppbv	88			70	130	
	t-1,3-Dichloropropene	10	8.90	ppbv	89			70	130	
	cis-1,3-Dichloropropene	10	8.80	ppbv	88			70	130	
	1,1,2-Trichloroethane	10	9.90	ppbv	99			70	130	
	Dibromochloromethane	10	10.2	ppbv	102			70	130	
	1,2-Dibromoethane	10	9.60	ppbv	96			70	130	
	Tetrachloroethene	10	8.00	ppbv	80			70	130	
	Chlorobenzene	10	10.3	ppbv	103			70	130	
	Ethyl Benzene	10	10.1	ppbv	101			70	130	
	m/p-Xylene	20	20.9	ppbv	104			70	130	
	o-Xylene	10	10.6	ppbv	106			70	130	
	Styrene	10	9.20	ppbv	92			70	130	
	Bromoform	10	9.40	ppbv	94			70	130	
	1,1,2,2-Tetrachloroethane	10	9.80	ppbv	98			70	130	
	2-Chlorotoluene	10	10.6	ppbv	106			70	130	
	1,3,5-Trimethylbenzene	10	10.4	ppbv	104			70	130	
	1,2,4-Trimethylbenzene	10	9.90	ppbv	99			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1880

Client: Tetra Tech, EMI

Analytical Method: SWTO-15 **Datafile :** VL042438.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0429ABS01	1,3-Dichlorobenzene	10	9.90	ppbv	99			70	130	
	1,4-Dichlorobenzene	10	9.90	ppbv	99			70	130	
	1,2-Dichlorobenzene	10	10.1	ppbv	101			70	130	
	1,2,4-Trichlorobenzene	10	9.50	ppbv	95			70	130	
	Hexachloro-1,3-butadiene	10	10.0	ppbv	100			70	130	
	Naphthalene	10	9.40	ppbv	94			70	130	
	1,3-Butadiene	10	9.90	ppbv	99			70	130	
	4-Ethyltoluene	10	10.4	ppbv	104			70	130	
	Hexane	10	8.30	ppbv	83			70	130	
	Allyl Chloride	10	9.90	ppbv	99			70	130	
	1,4-Dioxane	10	7.50	ppbv	75			70	130	
	Methyl methacrylate	10	8.00	ppbv	80			70	130	

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Duplicate Sample Summary

Lab Sample Id :	Q1880-10DUP	Q1880-10
Client Id :	EBR-P16-SC-AA01-20250	EBR-P16-SC-AA01-2025
DF :	1	1
Datafile :	VL042430.D	VL042429.D
Anal Date & Time :	04/28/2025 17:26	04/28/2025 16:50

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	0.32	0.29	9.8
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	3.4	3.3	3
Allyl Chloride	0	0	0
Benzene	0.1	0.11	9.5
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.07	0.07	0

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Duplicate Sample Summary

Lab Sample Id :	Q1880-10DUP		Q1880-10	
Client Id :	EBR-P16-SC-AA01-20250		EBR-P16-SC-AA01-2025	
DF :	1		1	
Datafile :	VL042430.D		VL042429.D	
Anal Date & Time :	04/28/2025	17:26	04/28/2025	16:50

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.64	0.59	8.1
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.49	0.46	6.3
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.49	0.51	4
m/p-Xylene	0.15	0	200 *
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	1.1	1.1	0
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.07	0.07	0
Tetrahydrofuran	0	0	0
Toluene	0.16	0.17	6.1
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.25	0.26	3.9
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0428ABL01

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042417.D Lab Sample ID: VL0428ABL01

Date Analyzed: 04/28/2025 Time Analyzed: 09:27

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
VL0428ABS01	VL0428ABS01	VL042418.D	04/28/2025
EBR-P02-SL-IA02-20250423	Q1880-02	VL042426.D	04/28/2025
EBR-P08-SC-IA01-20250421	Q1880-03	VL042427.D	04/28/2025
EBR-P02-SC-IA01-20250423	Q1880-08	VL042428.D	04/28/2025
EBR-P16-SC-AA01-20250422	Q1880-10	VL042429.D	04/28/2025
EBR-P16-SC-AA01-20250422DUP	Q1880-10DUP	VL042430.D	04/28/2025
EBR-P11-SC-SS01-20250421	Q1880-01	VL042431.D	04/28/2025
EBR-P02-SC-DUP01-20250423	Q1880-06	VL042432.D	04/28/2025
EBR-P16-SC-AA-DUP-01-20250422	Q1880-09	VL042433.D	04/28/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0429ABL01

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042437.D Lab Sample ID: VL0429ABL01

Date Analyzed: 04/29/2025 Time Analyzed: 09:25

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
VL0429ABS01	VL0429ABS01	VL042438.D	04/29/2025
EBR-P08-SC-SS01-20250421	Q1880-04	VL042439.D	04/29/2025
EBR-P16-SC-SS01-20250422DL	Q1880-07DL	VL042441.D	04/29/2025
EBR-SC-SS-DUP01-20250421	Q1880-05	VL042447.D	04/29/2025
EBR-P16-SC-SS01-20250422	Q1880-07	VL042448.D	04/29/2025
EBR-P02-SC-SS01-20250423	Q1880-11	VL042449.D	04/29/2025
EBR-P11-SC-SS01-20250421DL	Q1880-01DL	VL042450.D	04/29/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042348.D BFB Injection Date: 04/17/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:50

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	23.1
75	30.0 - 66.0% of mass 95	57
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	59.5
175	4.0 - 9.0% of mass 174	4.5 (7.6) 1
176	93.0 - 101.0% of mass 174	57.6 (96.9) 1
177	5.0 - 9.0% of mass 176	3.6 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042349.D	04/17/2025	09:44
VSTDICC002	VSTDICC002	VL042350.D	04/17/2025	10:17
VSTDICC001	VSTDICC001	VL042351.D	04/17/2025	10:48
VSTDICC0.5	VSTDICC0.5	VL042352.D	04/17/2025	11:19
VSTDICC0.1	VSTDICC0.1	VL042353.D	04/17/2025	11:50
VSTDICC0.03	VSTDICC0.03	VL042354.D	04/17/2025	12:22
VSTDICC015	VSTDICC015	VL042355.D	04/17/2025	12:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042415.D BFB Injection Date: 04/28/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.1
75	30.0 - 66.0% of mass 95	62.3
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	0.1 (0.2) 1
174	50.0 - 120.0% of mass 95	53.8
175	4.0 - 9.0% of mass 174	3.9 (7.3) 1
176	93.0 - 101.0% of mass 174	53.9 (100.2) 1
177	5.0 - 9.0% of mass 176	3.3 (6.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042416.D	04/28/2025	08:44
VL0428ABL01	VL0428ABL01	VL042417.D	04/28/2025	09:27
VL0428ABS01	VL0428ABS01	VL042418.D	04/28/2025	10:10
EBR-P02-SL-IA02-20250423	Q1880-02	VL042426.D	04/28/2025	15:08
EBR-P08-SC-IA01-20250421	Q1880-03	VL042427.D	04/28/2025	15:42
EBR-P02-SC-IA01-20250423	Q1880-08	VL042428.D	04/28/2025	16:16
EBR-P16-SC-AA01-20250422	Q1880-10	VL042429.D	04/28/2025	16:50
EBR-P16-SC-AA01-20250422DUP	Q1880-10DUP	VL042430.D	04/28/2025	17:26
EBR-P11-SC-SS01-20250421	Q1880-01	VL042431.D	04/28/2025	18:00
EBR-P02-SC-DUP01-20250423	Q1880-06	VL042432.D	04/28/2025	18:35
EBR-P16-SC-AA-DUP-01-20250422	Q1880-09	VL042433.D	04/28/2025	19:08

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042435.D BFB Injection Date: 04/29/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:55

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	26.5
75	30.0 - 66.0% of mass 95	65.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (1.1) 1
174	50.0 - 120.0% of mass 95	51.1
175	4.0 - 9.0% of mass 174	3.7 (7.3) 1
176	93.0 - 101.0% of mass 174	50.1 (98) 1
177	5.0 - 9.0% of mass 176	3.5 (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
VSTDCCC010	VSTDCCC010	VL042436.D	04/29/2025	08:39
VL0429ABL01	VL0429ABL01	VL042437.D	04/29/2025	09:25
VL0429ABS01	VL0429ABS01	VL042438.D	04/29/2025	10:08
EBR-P08-SC-SS01-20250421	Q1880-04	VL042439.D	04/29/2025	10:59
EBR-P16-SC-SS01-20250422DL	Q1880-07DL	VL042441.D	04/29/2025	12:02
EBR-SC-SS-DUP01-20250421	Q1880-05	VL042447.D	04/29/2025	15:24
EBR-P16-SC-SS01-20250422	Q1880-07	VL042448.D	04/29/2025	15:58
EBR-P02-SC-SS01-20250423	Q1880-11	VL042449.D	04/29/2025	16:32
EBR-P11-SC-SS01-20250421DL	Q1880-01DL	VL042450.D	04/29/2025	17:04

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042416.D Date Analyzed: 04/28/2025

Instrument ID: MSVOA_L Time Analyzed: 08:44

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	121989	2.78	345031	3.96	305240	8.88
UPPER LIMIT	170785	3.11	483043	4.29	427336	9.21
LOWER LIMIT	73193.4	2.45	207019	3.63	183144	8.55
EPA SAMPLE NO.						
EBR-P11-SC-SS01-20250421	121052	2.79	332477	3.96	283703	8.88
EBR-P02-SL-IA02-20250423	135538	2.78	375715	3.95	317341	8.88
EBR-P08-SC-IA01-20250421	130965	2.78	364997	3.95	315370	8.88
EBR-P02-SC-DUP01-20250423	122971	2.78	342098	3.96	294438	8.88
EBR-P02-SC-IA01-20250423	130703	2.79	360136	3.96	306395	8.88
EBR-P16-SC-AA-DUP-01-20250422	124369	2.79	336623	3.96	285626	8.88
EBR-P16-SC-AA01-20250422	126248	2.78	347099	3.96	291241	8.88
EBR-P16-SC-AA01-20250422DUP	123451	2.78	338945	3.96	287606	8.88
VL0428ABL01	121027	2.78	346921	3.95	302157	8.87
VL0428ABS01	122448	2.78	337202	3.95	299130	8.88

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG NO.: Q1880

Lab File ID: VL042436.D Date Analyzed: 04/29/2025

Instrument ID: MSVOA_L Time Analyzed: 08:39

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	114553	2.78	311268	3.95	269987	8.88
UPPER LIMIT	160374	3.11	435775	4.28	377982	9.21
LOWER LIMIT	68731.8	2.45	186761	3.62	161992	8.55
EPA SAMPLE NO.						
EBR-P11-SC-SS01-20250421DL	113127	2.79	299787	3.97	249502	8.89
EBR-P08-SC-SS01-20250421	129626	2.79	347550	3.97	293308	8.89
EBR-SC-SS-DUP01-20250421	115955	2.80	311045	3.98	264660	8.89
EBR-P16-SC-SS01-20250422	114087	2.79	307114	3.97	268915	8.89
EBR-P16-SC-SS01-20250422DL	120274	2.79	315854	3.96	264275	8.88
EBR-P02-SC-SS01-20250423	124520	2.79	329514	3.97	273576	8.89
VL0429ABL01	119014	2.79	328601	3.96	276498	8.89
VL0429ABS01	116772	2.79	317590	3.96	272312	8.88

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

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

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

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P11-SC-SS01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-01	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
VL042431.D	1		04/28/25 18:00	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.20	5.93		1.04	2.47	ug/m3
74-87-3	Chloromethane	0.50	1.03	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	1.40	7.87		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	1.50	4.55		0.58	1.52	ug/m3
142-82-5	Heptane	0.29	1.19	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	110	261	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	4.70	14.6		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.41	1.42	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.23	0.79	J	0.76	1.72	ug/m3
78-93-3	2-Butanone	11.1	32.7		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.050	0.31		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.47	2.30	J	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.46	1.47	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.64	3.44		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.32	1.31	J	0.37	2.05	ug/m3
108-88-3	Toluene	0.90	3.39		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P11-SC-SS01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-01	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
VL042431.D	1		04/28/25 18:00	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.39	2.64		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.16	0.69	J	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.10	0.49	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.67	2.36		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.9			65 - 135	109%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	121000		2.787			
540-36-3	1,4-Difluorobenzene	332000		3.956			
3114-55-4	Chlorobenzene-d5	284000		8.878			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P11-SC-SS01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-01	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
VL042431.D	1		04/28/25 18:00	VL042825

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\VL042825\
Data File : VL042431.D
Acq On : 28 Apr 2025 18:00
Operator : SY/MD
Sample : Q1880-01
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 01:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	121052	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	332477	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	283703	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	254492	10.916	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	25608	1.197	ppbv		97
3) Chlorodifluoromethane	1.473	51	6549m	0.322	ppbv		
9) Propene	1.486	41	30866	3.328	ppbv	#	75
10) Heptane	4.975	43	7469m	0.287	ppbv		
11) Trichlorofluoromethane	1.874	101	28003	1.377	ppbv		93
13) Ethanol	1.719	45	111200	75.431	ppbv		75
15) Acetone	1.832	43	2162315	109.117	ppbv	#	74
17) tert-Butyl alcohol	2.043	59	36864	1.501	ppbv	#	89
19) Isopropyl Alcohol	1.887	45	55931	5.081	ppbv	#	33
20) Methylene Chloride	2.059	84	3153	0.406	ppbv	#	75
26) Hexane	2.826	57	13247	0.670	ppbv	#	38
27) Carbon Disulfide	2.149	76	100277	4.737	ppbv		96
29) Chloroform	2.849	83	12986	0.465	ppbv		97
30) Cyclohexane	3.852	84	3609m	0.226	ppbv		
34) 2-Butanone	2.554	43	292727	11.133	ppbv		100
35) Carbon Tetrachloride	3.755	117	1542m	0.051	ppbv		
36) Benzene	3.655	78	16576	0.462	ppbv	#	91
38) Trichloroethene	4.548	130	9963m	0.636	ppbv		
50) 4-Methyl-2-Pentanone	5.765	43	14004m	0.320	ppbv		
52) Tetrachloroethene	8.225	164	5442	0.393	ppbv	#	83
53) Toluene	6.930	91	38616	0.897	ppbv		97
59) m/p-Xylene	9.526	91	18559m	0.410	ppbv		
60) o-Xylene	9.963	91	7155m	0.157	ppbv		
74) 1,2,4-Trimethylbenzene	11.532	105	5983	0.104	ppbv	#	60

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042431.D
Acq On : 28 Apr 2025 18:00
Operator : SY/MD
Sample : Q1880-01
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 01:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
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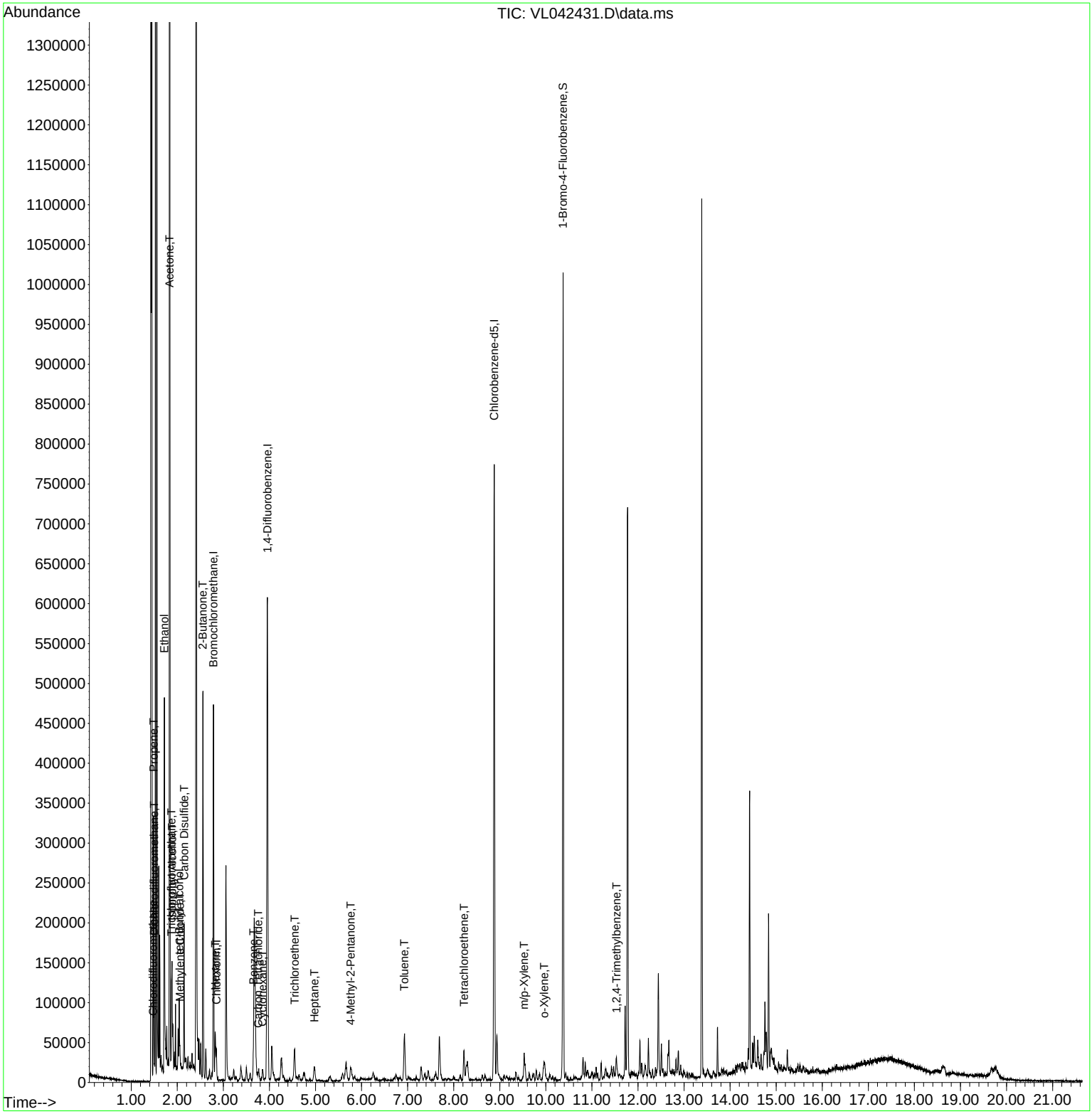
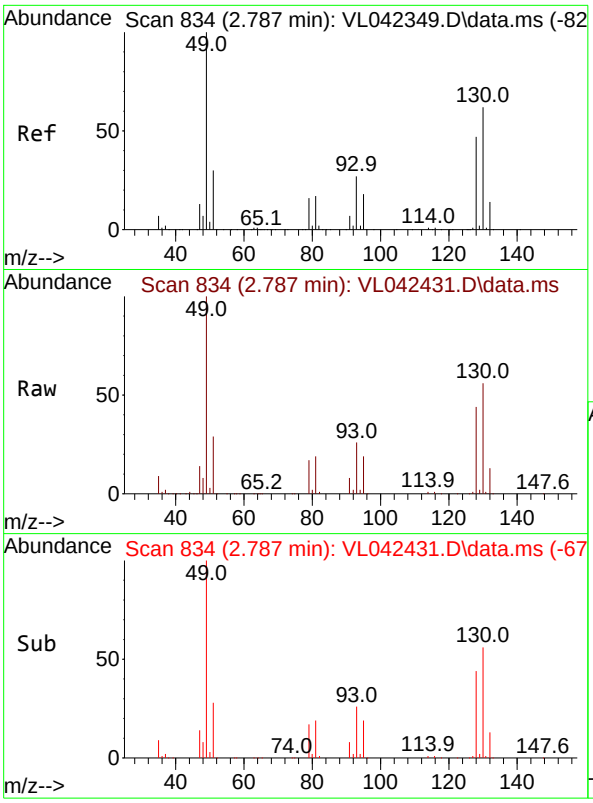
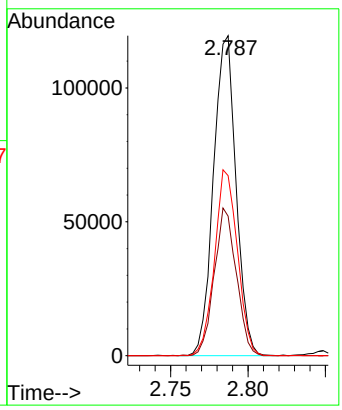




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 49 Resp: 12105

Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.8	68.4
130	58.9	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
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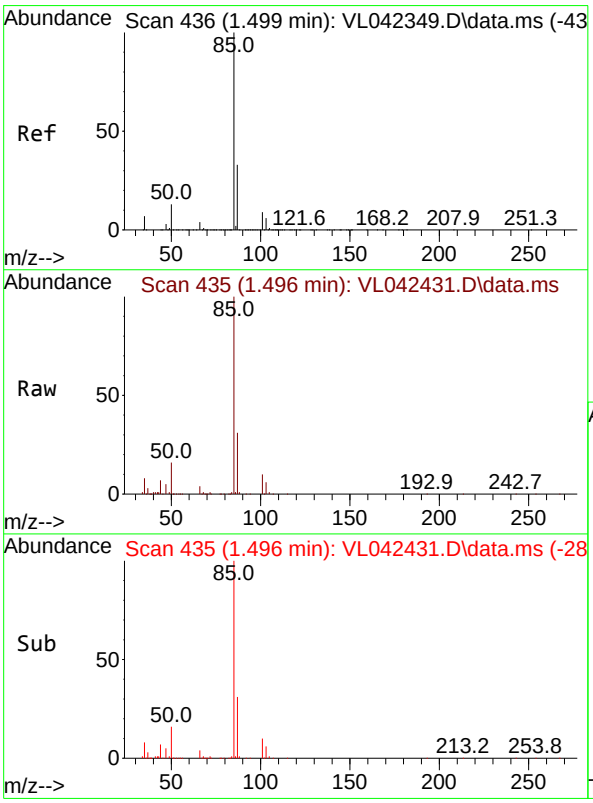
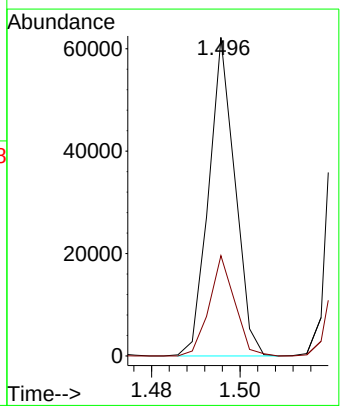
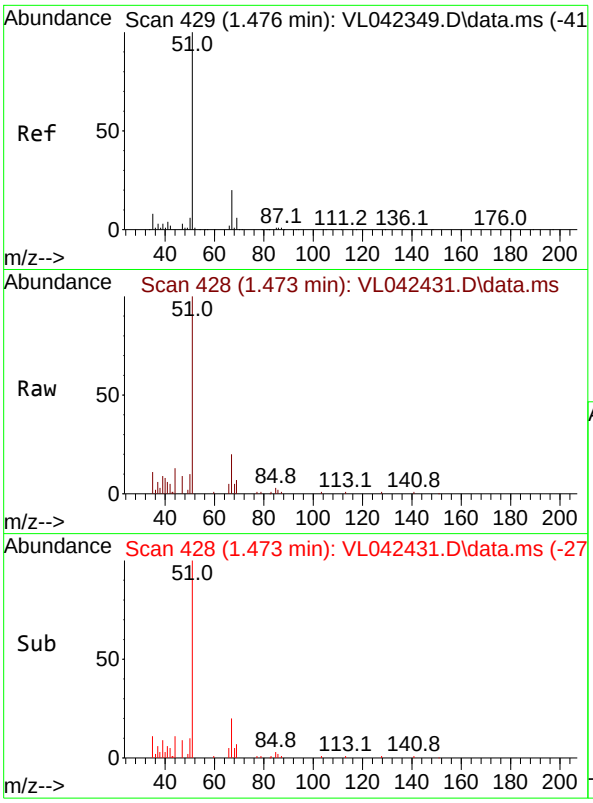


#2
Dichlorodifluoromethane
Concen: 1.197 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 85 Resp: 25608

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.6	39.8

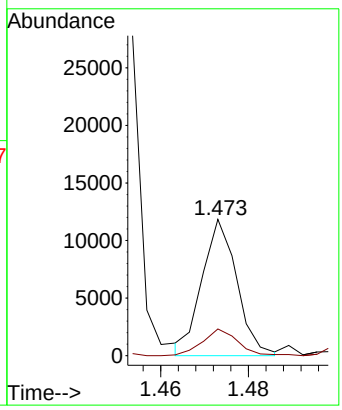




#3
Chlorodifluoromethane
Concen: 0.322 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 51 Resp: 654

Ion	Ratio	Lower	Upper
51	100		
67	26.4	16.2	24.4#



Instrument :
MSVOA_L
ClientSampleId :
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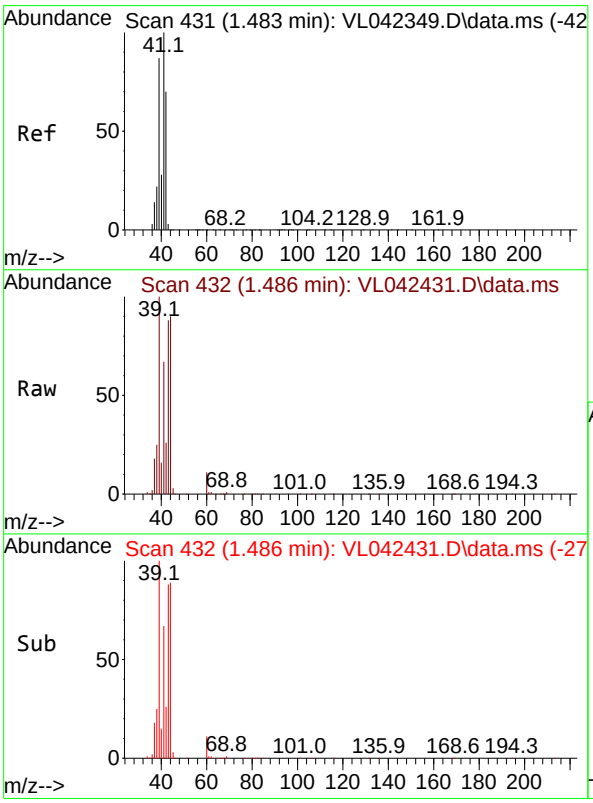
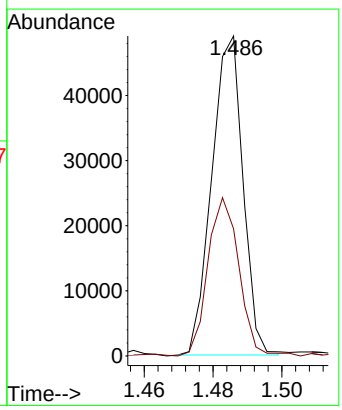
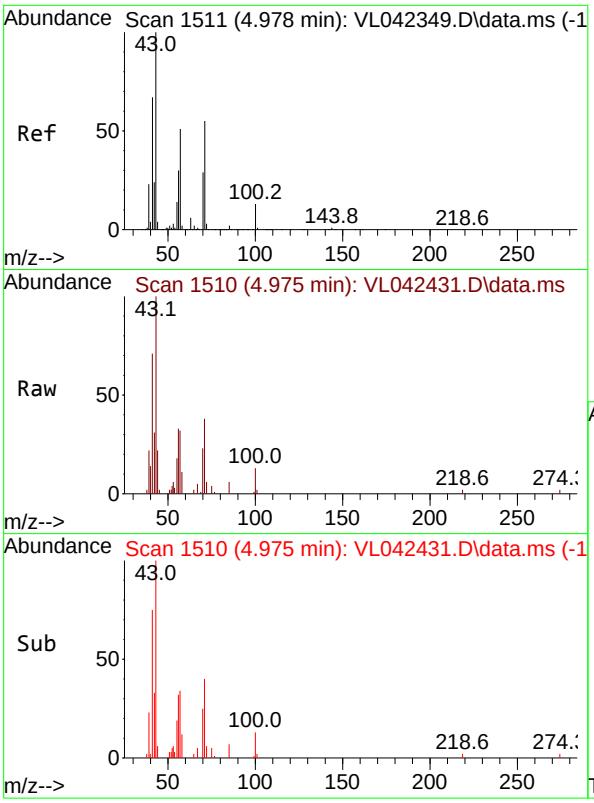


#9
Propene
Concen: 3.328 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 41 Resp: 30866

Ion	Ratio	Lower	Upper
41	100		
42	49.8	56.2	84.4#

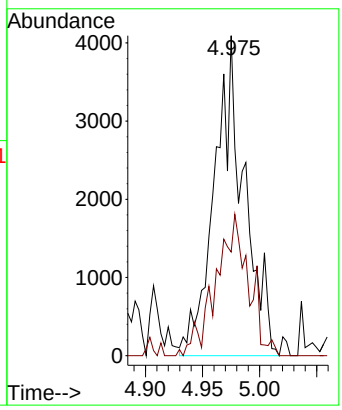




#10
Heptane
Concen: 0.287 ppbv m
RT: 4.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 746

Ion	Ratio	Lower	Upper
43	100		
57	48.0	39.9	59.9



Instrument :
MSVOA_L
ClientSampleId :
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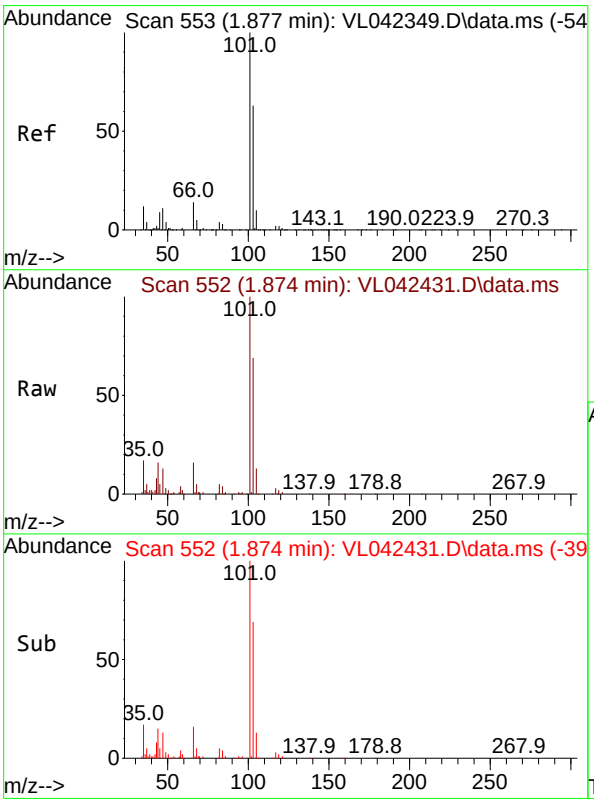
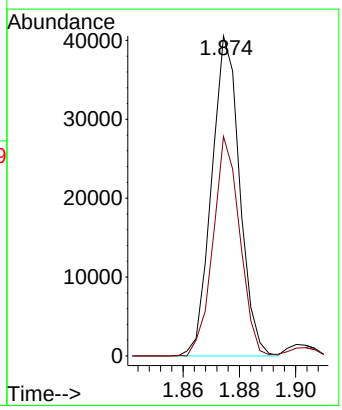
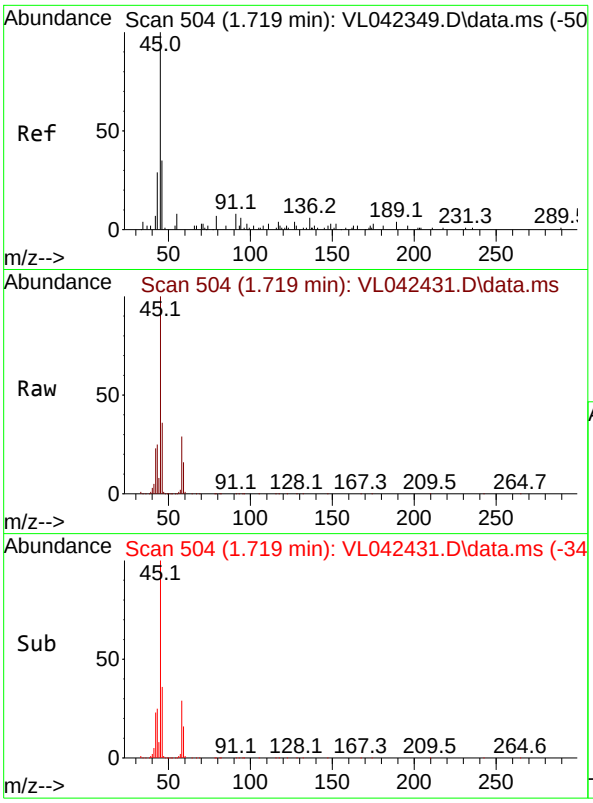


#11
Trichlorofluoromethane
Concen: 1.377 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:101 Resp: 28003

Ion	Ratio	Lower	Upper
101	100		
103	68.4	50.1	75.1





#13
Ethanol
Concen: 75.431 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 45 Resp: 11120(

Ion	Ratio	Lower	Upper
45	100		
46	37.0	21.9	87.7

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

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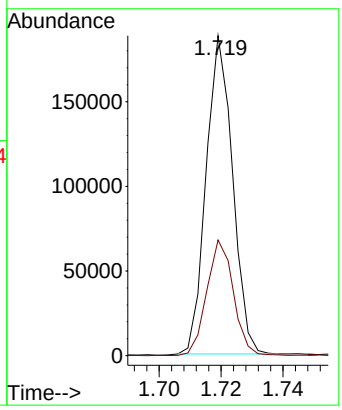
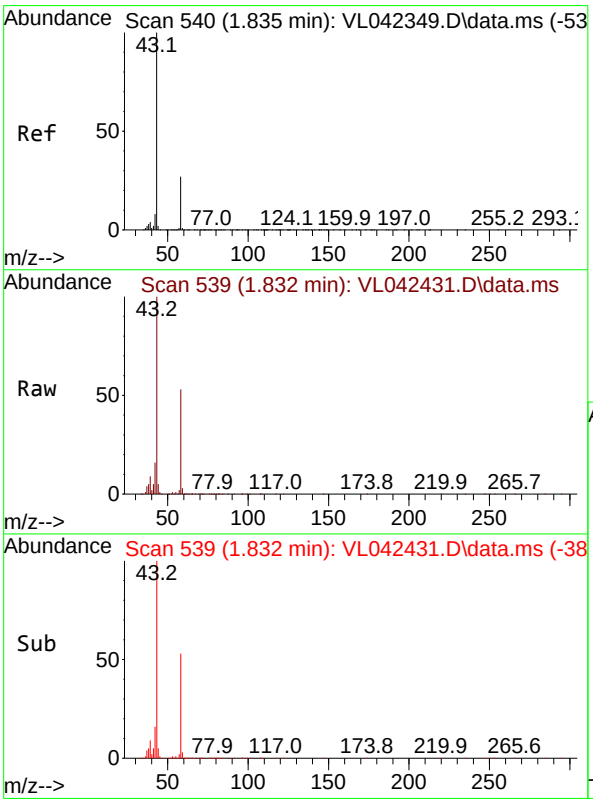
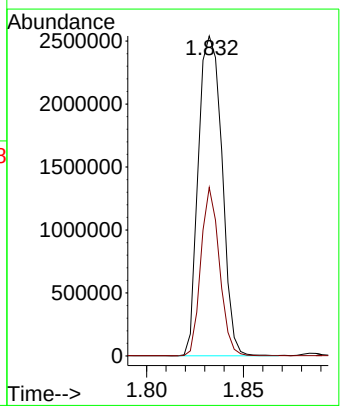


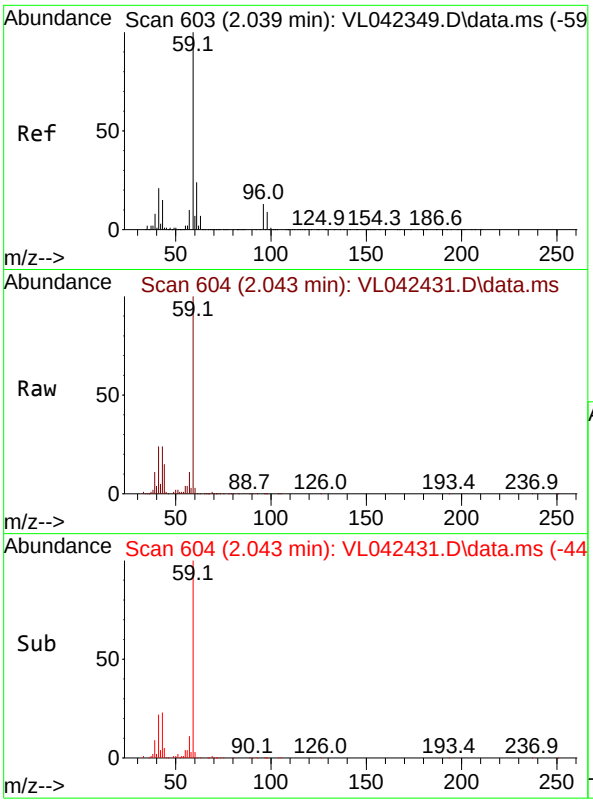


#15
Acetone
Concen: 109.117 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 2162315

Ion	Ratio	Lower	Upper
43	100		
58	41.7	22.4	33.6#

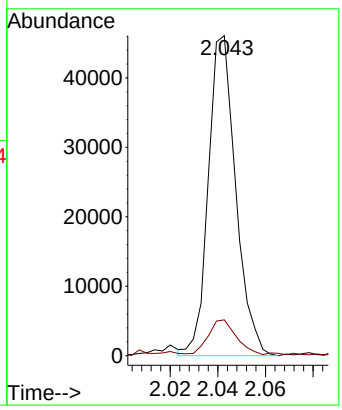




#17
tert-Butyl alcohol
Concen: 1.501 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 59 Resp: 3686

Ion	Ratio	Lower	Upper
59	100		
57	15.1	8.7	13.1#



Instrument :
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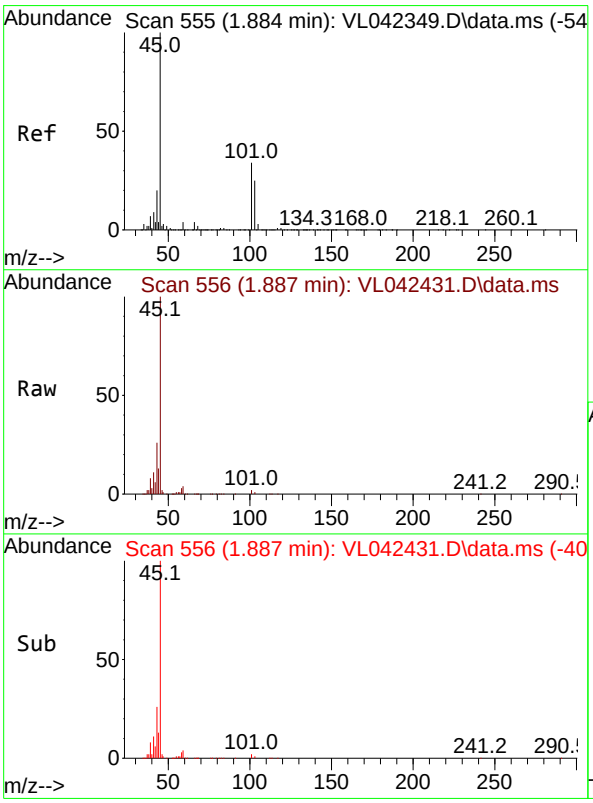
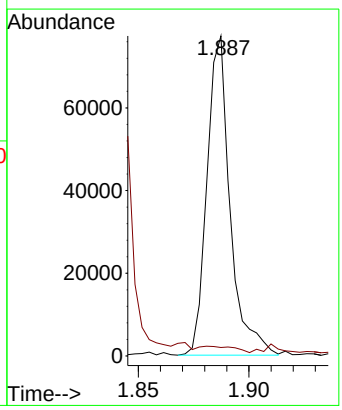
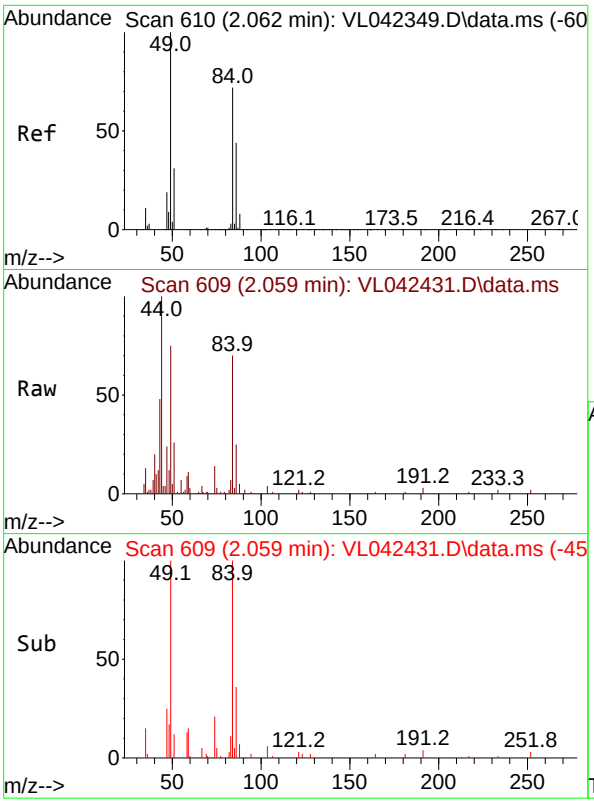


#19
Isopropyl Alcohol
Concen: 5.081 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 45 Resp: 55931

Ion	Ratio	Lower	Upper
45	100		
58	0.0	34.5	51.7#

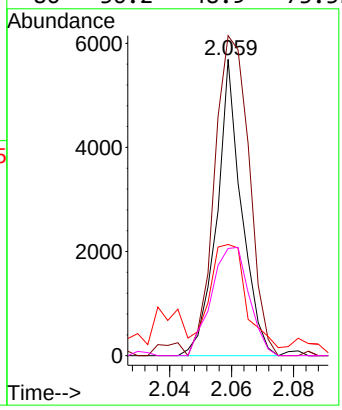




#20
Methylene Chloride
Concen: 0.406 ppbv
RT: 2.059 min Scan# 6(
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 84 Resp: 315

Ion	Ratio	Lower	Upper
84	100		
49	108.0	111.6	167.4#
51	34.8	35.1	52.7#
86	36.2	48.9	73.3#



Instrument :
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ClientSampleId :
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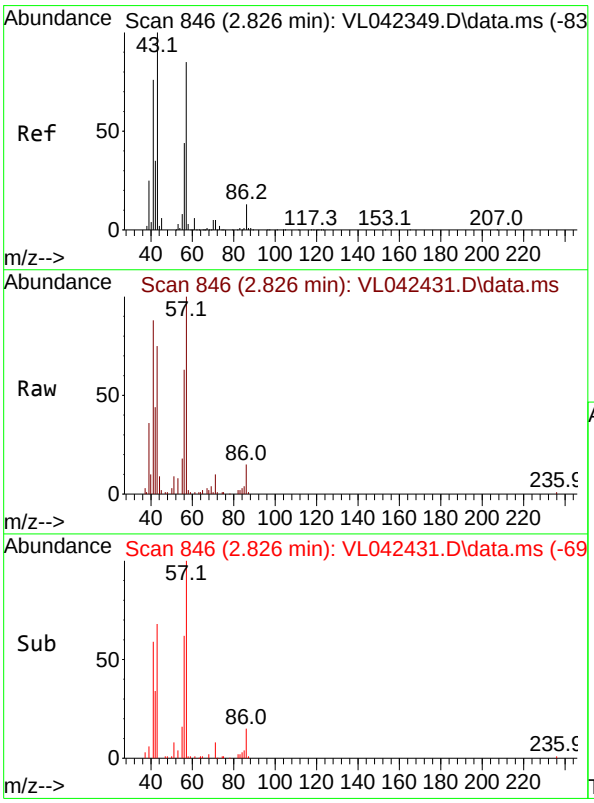
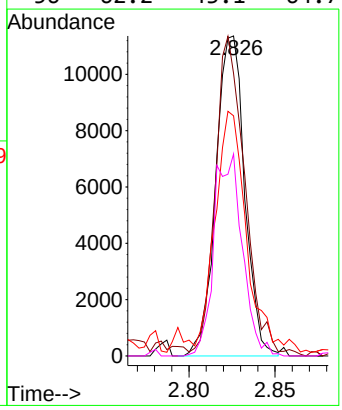
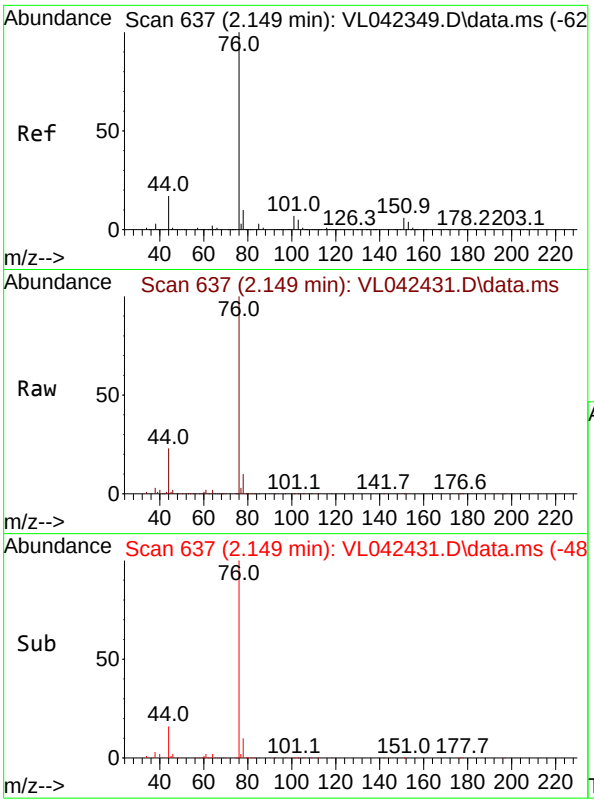


#26
Hexane
Concen: 0.670 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 57 Resp: 13247

Ion	Ratio	Lower	Upper
57	100		
41	100.4	77.9	116.9
43	92.1	208.4	312.6#
56	62.2	43.1	64.7

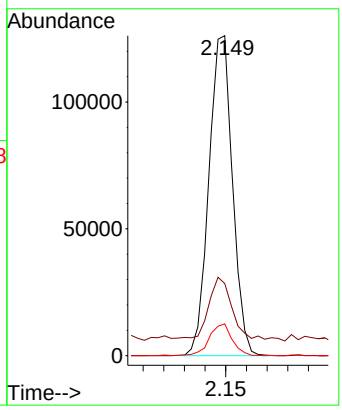




#27
Carbon Disulfide
Concen: 4.737 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 76 Resp: 10027

Ion	Ratio	Lower	Upper
76	100		
44	17.7	15.5	23.3
78	9.9	9.3	13.9



Instrument :
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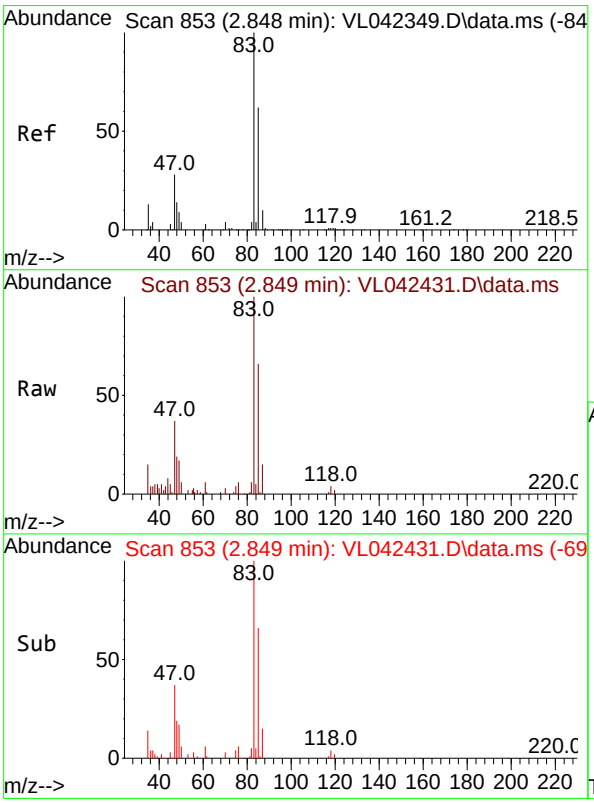
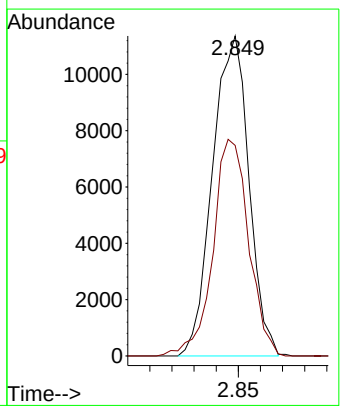
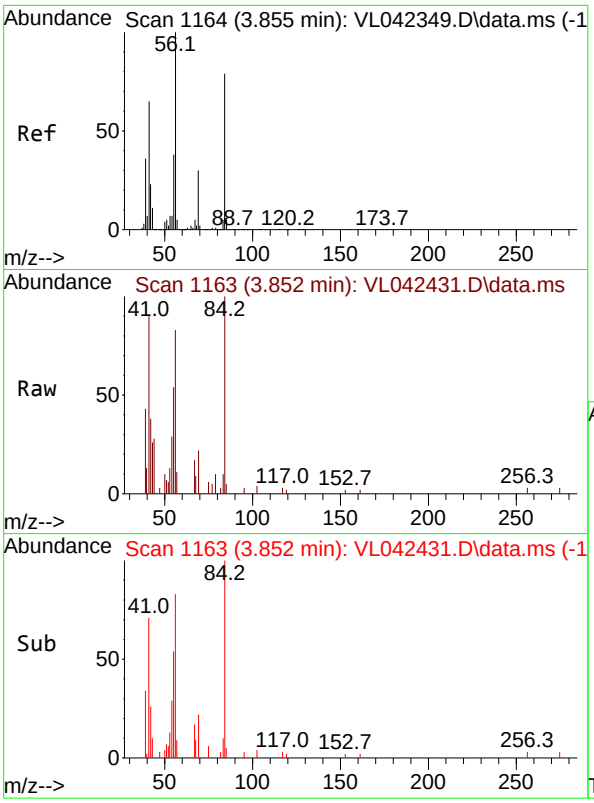


#29
Chloroform
Concen: 0.465 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 83 Resp: 12986

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0

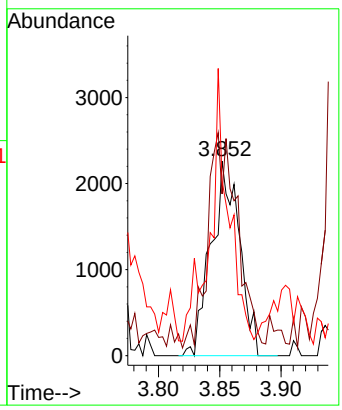




#30
Cyclohexane
Concen: 0.226 ppbv m
RT: 3.852 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 84 Resp: 360

Ion	Ratio	Lower	Upper
84	100		
56	134.9	101.0	151.4
41	83.2	67.4	101.0



Instrument :
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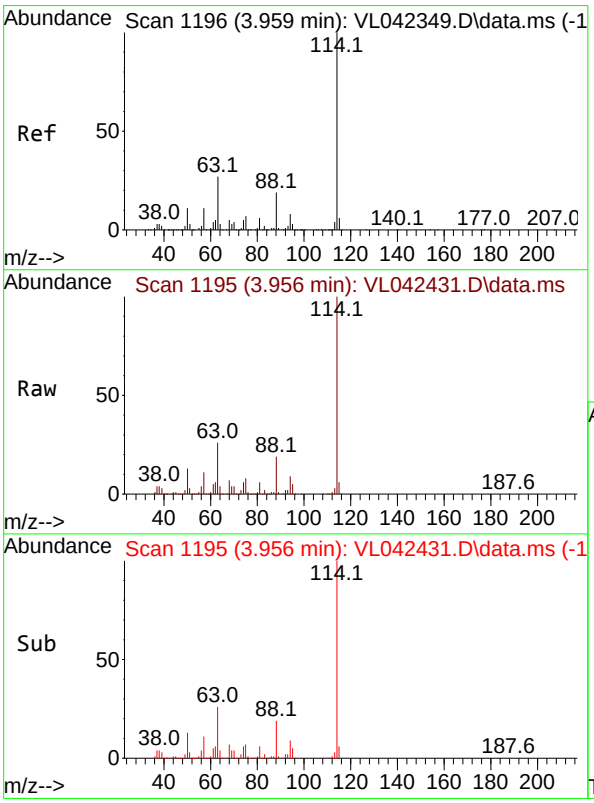
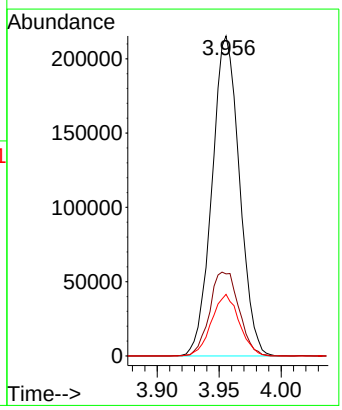
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

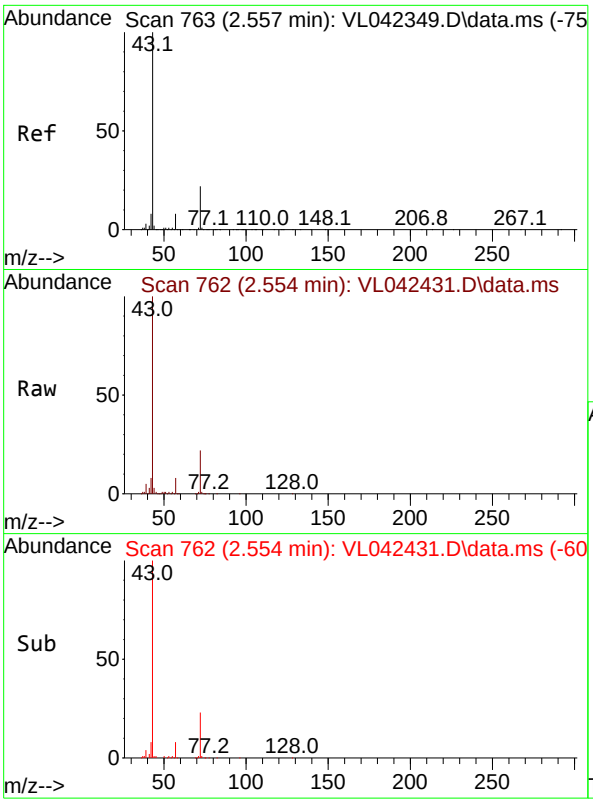


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:114 Resp: 332477

Ion	Ratio	Lower	Upper
114	100		
63	28.0	21.8	32.6
88	19.5	15.5	23.3

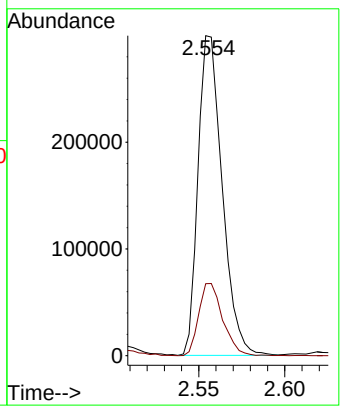




#34
2-Butanone
Concen: 11.133 ppbv
RT: 2.554 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 29272

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.2	27.2



Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations
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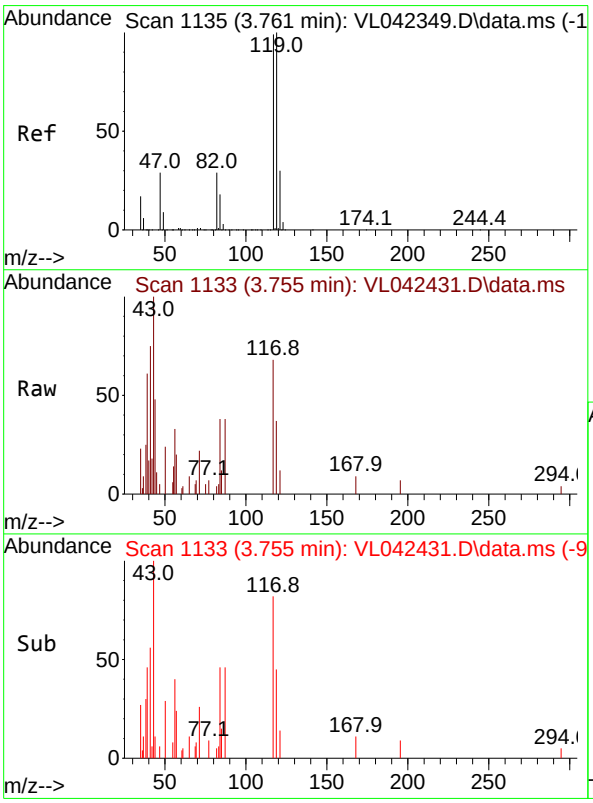
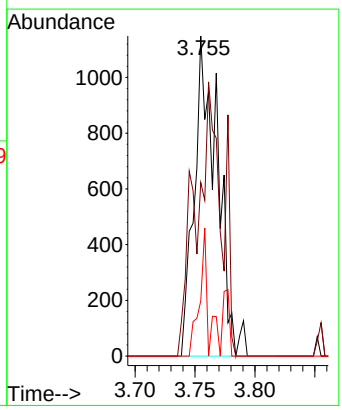
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

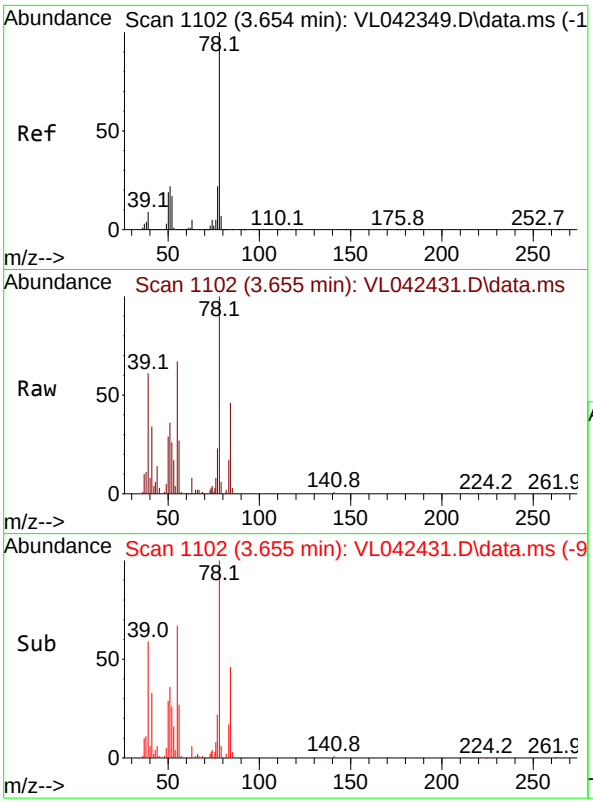


#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:117 Resp: 1542

Ion	Ratio	Lower	Upper
117	100		
119	54.2	80.5	120.7#
121	17.2	24.2	36.2#

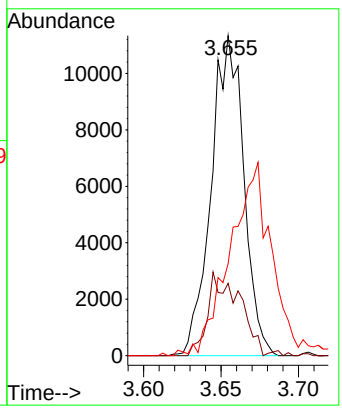




#36
Benzene
Concen: 0.462 ppbv
RT: 3.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 78 Resp: 1657

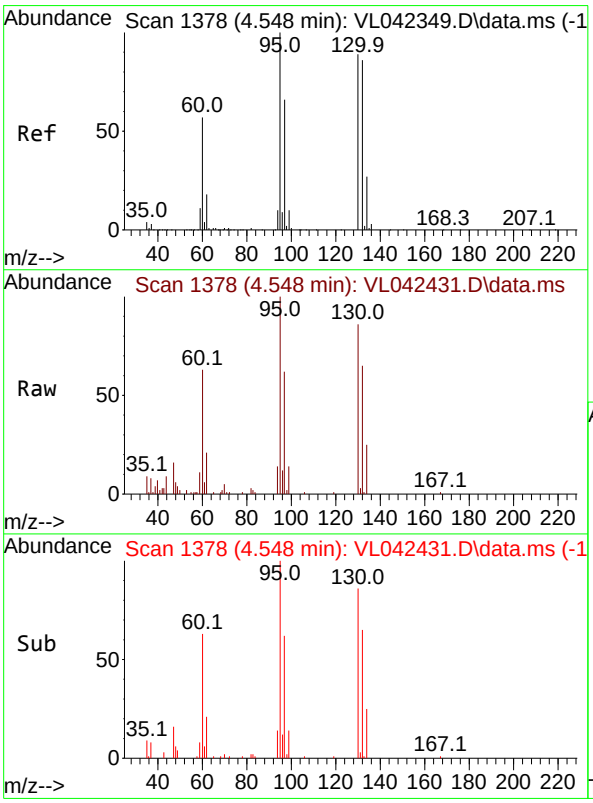
Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.4	26.0
50	27.0	15.5	23.3#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations
APPROVED

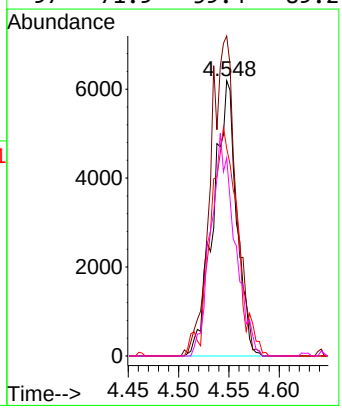
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

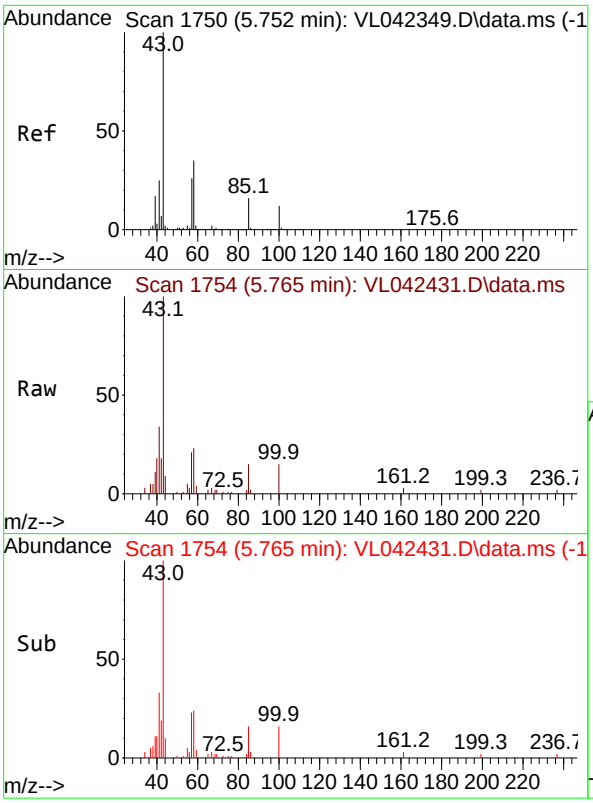


#38
Trichloroethene
Concen: 0.636 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:130 Resp: 9963

Ion	Ratio	Lower	Upper
130	100		
95	116.3	89.8	134.6
132	75.5	77.7	116.5#
97	71.9	59.4	89.2

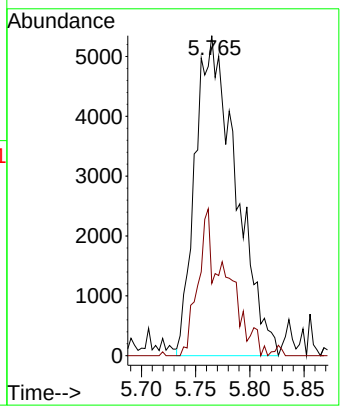




#50
4-Methyl-2-Pentanone
Concen: 0.320 ppbv m
RT: 5.765 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 1400

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations
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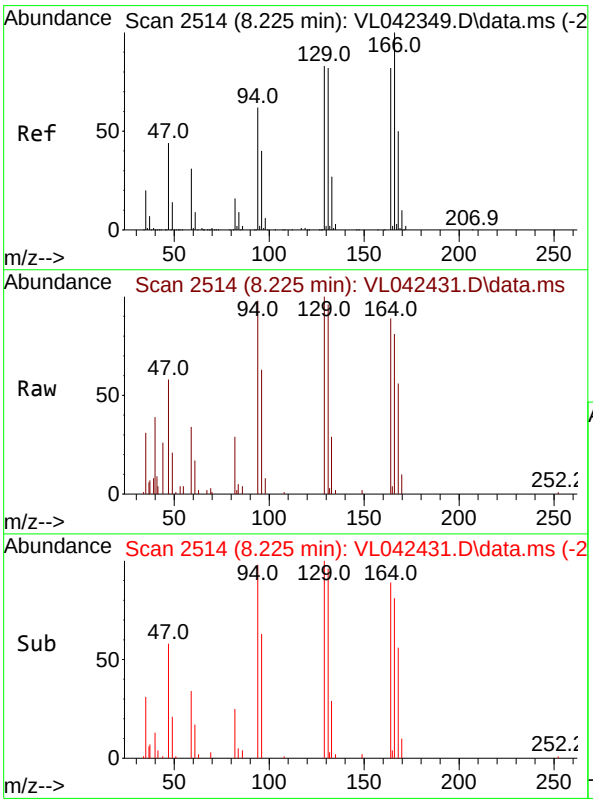
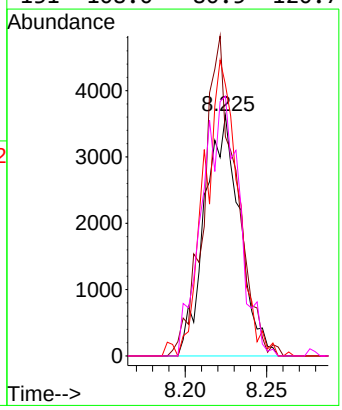
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

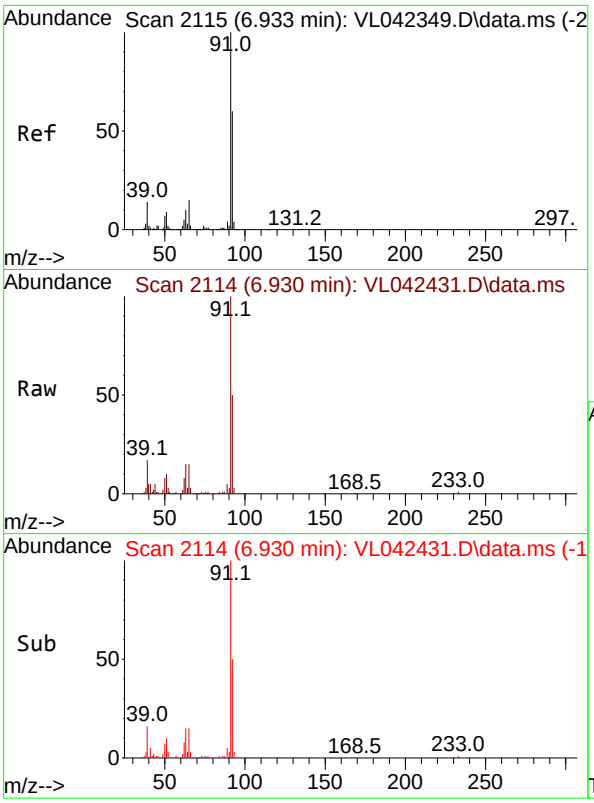


#52
Tetrachloroethene
Concen: 0.393 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:164 Resp: 5442

Ion	Ratio	Lower	Upper
164	100		
166	87.4	98.2	147.2#
129	112.8	81.8	122.8
131	108.0	80.5	120.7

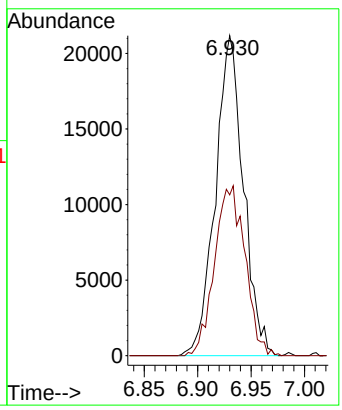




#53
Toluene
Concen: 0.897 ppbv
RT: 6.930 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 91 Resp: 3861

Ion	Ratio	Lower	Upper
91	100		
92	57.8	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations
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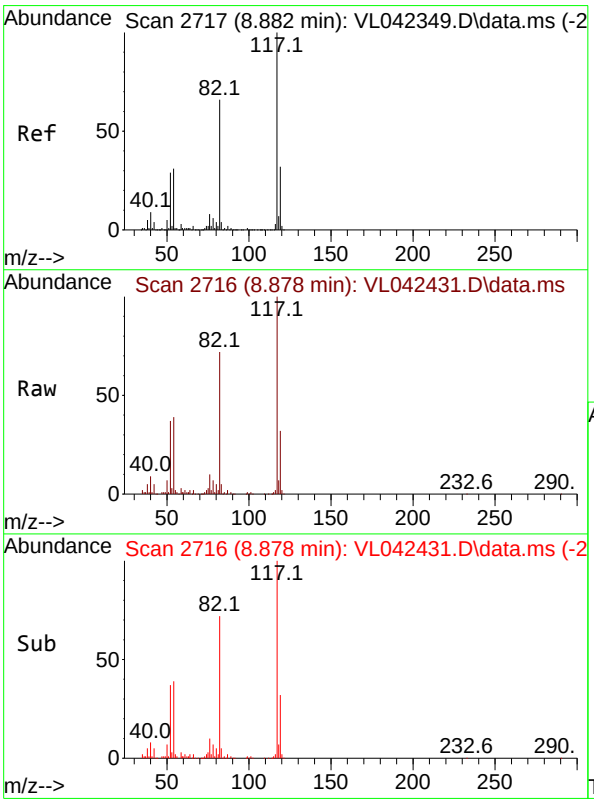
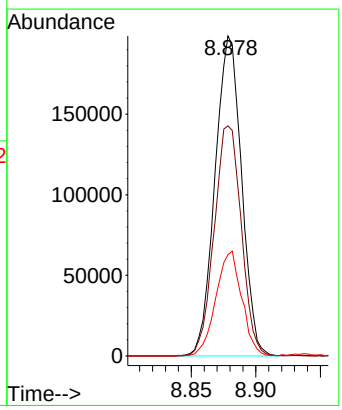
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

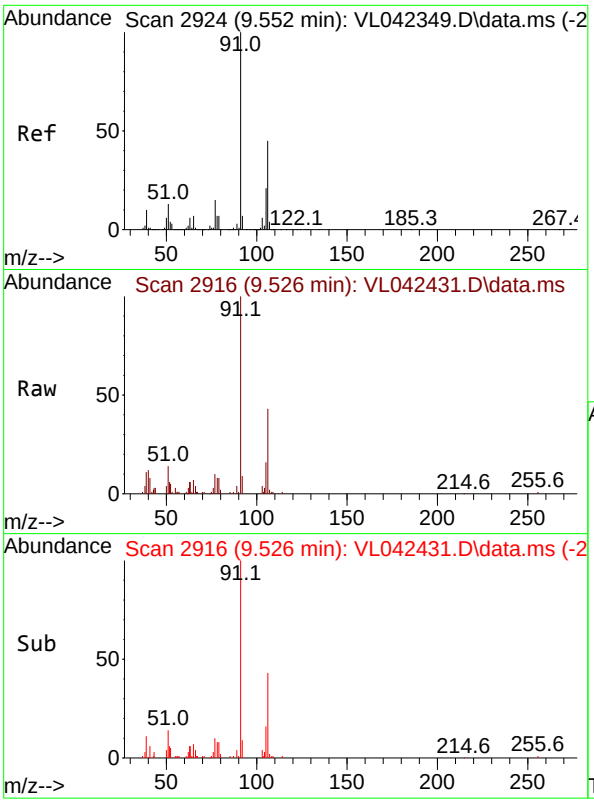


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:117 Resp: 283703

Ion	Ratio	Lower	Upper
117	100		
82	73.5	57.8	86.6
119	32.0	25.2	37.8





#59
m/p-Xylene
Concen: 0.410 ppbv m
RT: 9.526 min Scan# 2
Delta R.T. -0.026 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 91 Resp: 1855

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations
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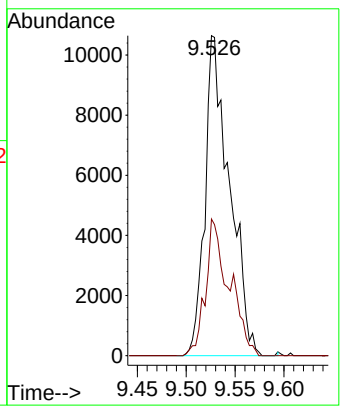
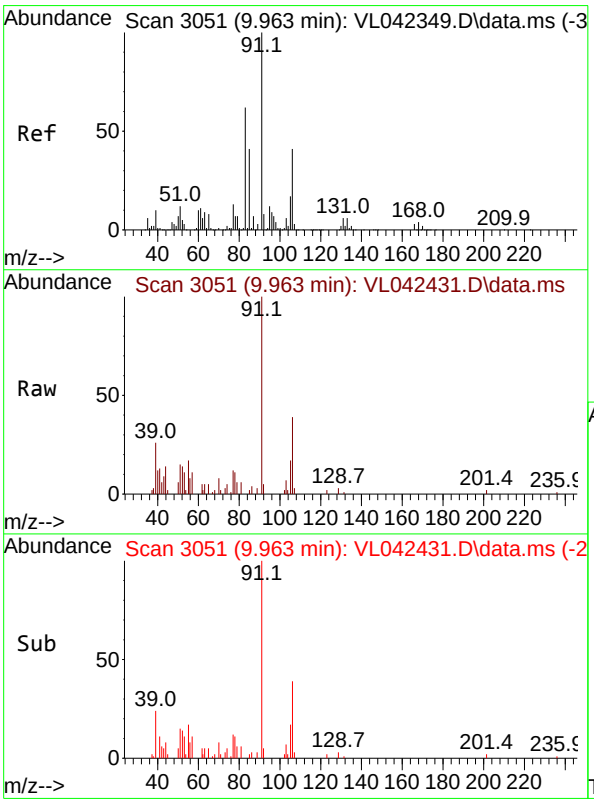
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

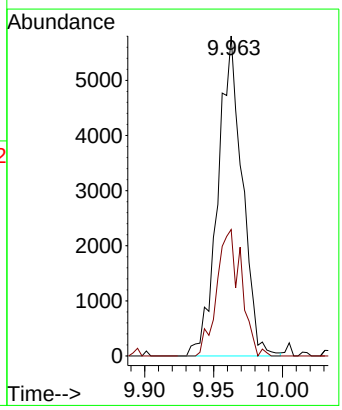


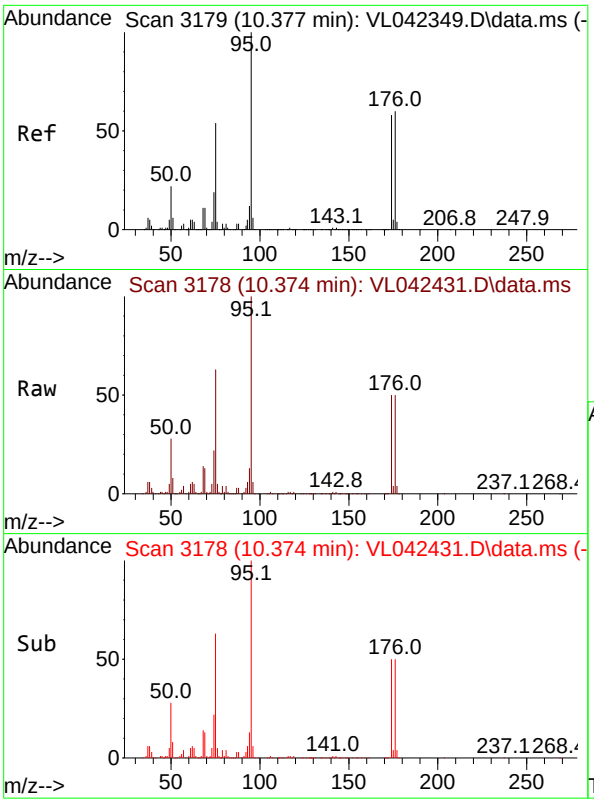


#60
o-Xylene
Concen: 0.157 ppbv m
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 91 Resp: 7155

Ion	Ratio	Lower	Upper
91	100		
106	39.7	21.1	63.4

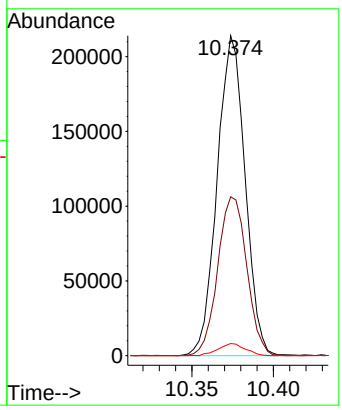




#68
1-Bromo-4-Fluorobenzene
Concen: 10.916 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 95 Resp: 25449

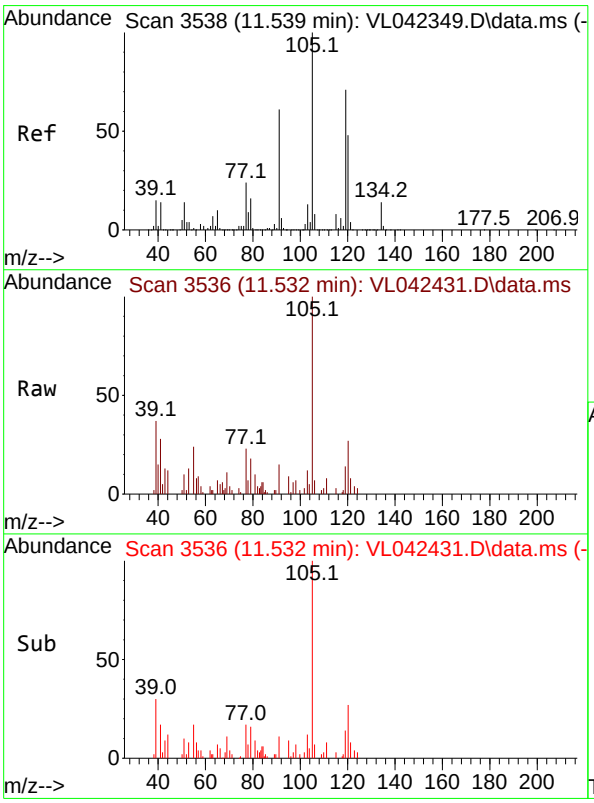
Ion	Ratio	Lower	Upper
95	100		
174	51.7	48.5	72.7
175	3.7	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Manual Integrations
APPROVED

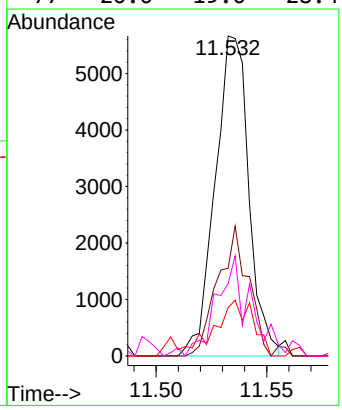
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.104 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:105 Resp: 5983

Ion	Ratio	Lower	Upper
105	100		
120	27.4	38.1	57.1#
91	15.1	48.8	73.2#
77	20.0	19.0	28.4



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P11-SC-SS01-20250421DL	SDG No.:	Q1880
Lab Sample ID:	Q1880-01DL	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
VL042450.D	20		04/29/25 17:04	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	49.5	UD	20.8	49.5	ug/m3
74-87-3	Chloromethane	10.0	20.6	UD	4.13	20.6	ug/m3
75-01-4	Vinyl Chloride	0.60	1.53	UD	0.72	1.53	ug/m3
74-83-9	Bromomethane	10.0	38.8	UD	10.9	38.8	ug/m3
75-00-3	Chloroethane	10.0	26.4	UD	8.97	26.4	ug/m3
109-99-9	Tetrahydrofuran	10.0	29.5	UD	7.67	29.5	ug/m3
75-69-4	Trichlorofluoromethane	10.0	56.2	UD	18.0	56.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	76.7	UD	24.5	76.7	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.0	69.9	UD	12.6	69.9	ug/m3
75-65-0	tert-Butyl alcohol	10.0	30.3	UD	11.5	30.3	ug/m3
142-82-5	Heptane	10.0	41.0	UD	9.02	41.0	ug/m3
75-35-4	1,1-Dichloroethene	10.0	39.6	UD	11.1	39.6	ug/m3
67-64-1	Acetone	180	428	D	11.4	23.8	ug/m3
75-15-0	Carbon Disulfide	10.0	31.1	UD	9.97	31.1	ug/m3
1634-04-4	Methyl tert-Butyl Ether	10.0	36.0	UD	8.65	36.0	ug/m3
75-09-2	Methylene Chloride	10.0	34.7	UD	13.2	34.7	ug/m3
156-60-5	trans-1,2-Dichloroethene	10.0	39.6	UD	15.1	39.6	ug/m3
75-34-3	1,1-Dichloroethane	10.0	40.5	UD	10.5	40.5	ug/m3
110-82-7	Cyclohexane	10.0	34.4	UD	15.2	34.4	ug/m3
78-93-3	2-Butanone	9.40	27.7	JD	7.08	29.5	ug/m3
56-23-5	Carbon Tetrachloride	0.60	3.77	UD	1.38	3.77	ug/m3
156-59-2	cis-1,2-Dichloroethene	10.0	39.6	UD	7.14	39.6	ug/m3
67-66-3	Chloroform	10.0	48.8	UD	8.30	48.8	ug/m3
71-55-6	1,1,1-Trichloroethane	0.60	3.27	UD	1.04	3.27	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.0	46.7	UD	9.34	46.7	ug/m3
71-43-2	Benzene	10.0	31.9	UD	5.43	31.9	ug/m3
107-06-2	1,2-Dichloroethane	10.0	40.5	UD	7.29	40.5	ug/m3
79-01-6	Trichloroethene	0.60	3.22	UD	1.83	3.22	ug/m3
78-87-5	1,2-Dichloropropane	10.0	46.2	UD	10.2	46.2	ug/m3
75-27-4	Bromodichloromethane	10.0	67.0	UD	10.1	67.0	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.0	41.0	UD	7.79	41.0	ug/m3
108-88-3	Toluene	10.0	37.7	UD	8.29	37.7	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.0	45.4	UD	5.45	45.4	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.0	45.4	UD	5.90	45.4	ug/m3
79-00-5	1,1,2-Trichloroethane	10.0	54.6	UD	7.64	54.6	ug/m3

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P11-SC-SS01-20250421DL	SDG No.:	Q1880
Lab Sample ID:	Q1880-01DL	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
VL042450.D	20		04/29/25 17:04	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.0	85.2	UD	11.1	85.2	ug/m3
106-93-4	1,2-Dibromoethane	2.00	15.4	UD	10.8	15.4	ug/m3
127-18-4	Tetrachloroethene	0.60	4.07	UD	2.03	4.07	ug/m3
108-90-7	Chlorobenzene	10.0	46.0	UD	6.91	46.0	ug/m3
100-41-4	Ethyl Benzene	10.0	43.4	UD	10.4	43.4	ug/m3
179601-23-1	m/p-Xylene	20.0	86.9	UD	18.2	86.9	ug/m3
95-47-6	o-Xylene	10.0	43.4	UD	10.4	43.4	ug/m3
100-42-5	Styrene	10.0	42.6	UD	9.37	42.6	ug/m3
75-25-2	Bromoform	10.0	103	UD	11.4	103	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.60	4.12	UD	1.51	4.12	ug/m3
95-49-8	2-Chlorotoluene	10.0	51.8	UD	11.4	51.8	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.0	49.2	UD	10.8	49.2	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.0	49.2	UD	7.87	49.2	ug/m3
541-73-1	1,3-Dichlorobenzene	10.0	60.1	UD	9.62	60.1	ug/m3
106-46-7	1,4-Dichlorobenzene	10.0	60.1	UD	6.61	60.1	ug/m3
95-50-1	1,2-Dichlorobenzene	10.0	60.1	UD	9.02	60.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.0	74.2	UD	12.6	74.2	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	10.0	107	UD	18.1	107	ug/m3
106-99-0	1,3-Butadiene	10.0	22.1	UD	5.75	22.1	ug/m3
91-20-3	Naphthalene	2.00	10.5	UD	7.86	10.5	ug/m3
622-96-8	4-Ethyltoluene	10.0	49.2	UD	11.8	49.2	ug/m3
110-54-3	Hexane	10.0	35.2	UD	7.75	35.2	ug/m3
107-05-1	Allyl Chloride	10.0	31.3	UD	9.39	31.3	ug/m3
123-91-1	1,4-Dioxane	10.0	36.0	UD	15.1	36.0	ug/m3
80-62-6	Methyl Methacrylate	10.0	41.0	UD	6.96	41.0	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135	107%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	113000		2.794			
540-36-3	1,4-Difluorobenzene	300000		3.969			
3114-55-4	Chlorobenzene-d5	250000		8.891			

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P11-SC-SS01-20250421DL	SDG No.:	Q1880
Lab Sample ID:	Q1880-01DL	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
VL042450.D	20		04/29/25 17:04	VL042925

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\VL042925\
Data File : VL042450.D
Acq On : 29 Apr 2025 17:04
Operator : SY/MD
Sample : Q1880-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Quant Time: Apr 30 01:23:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

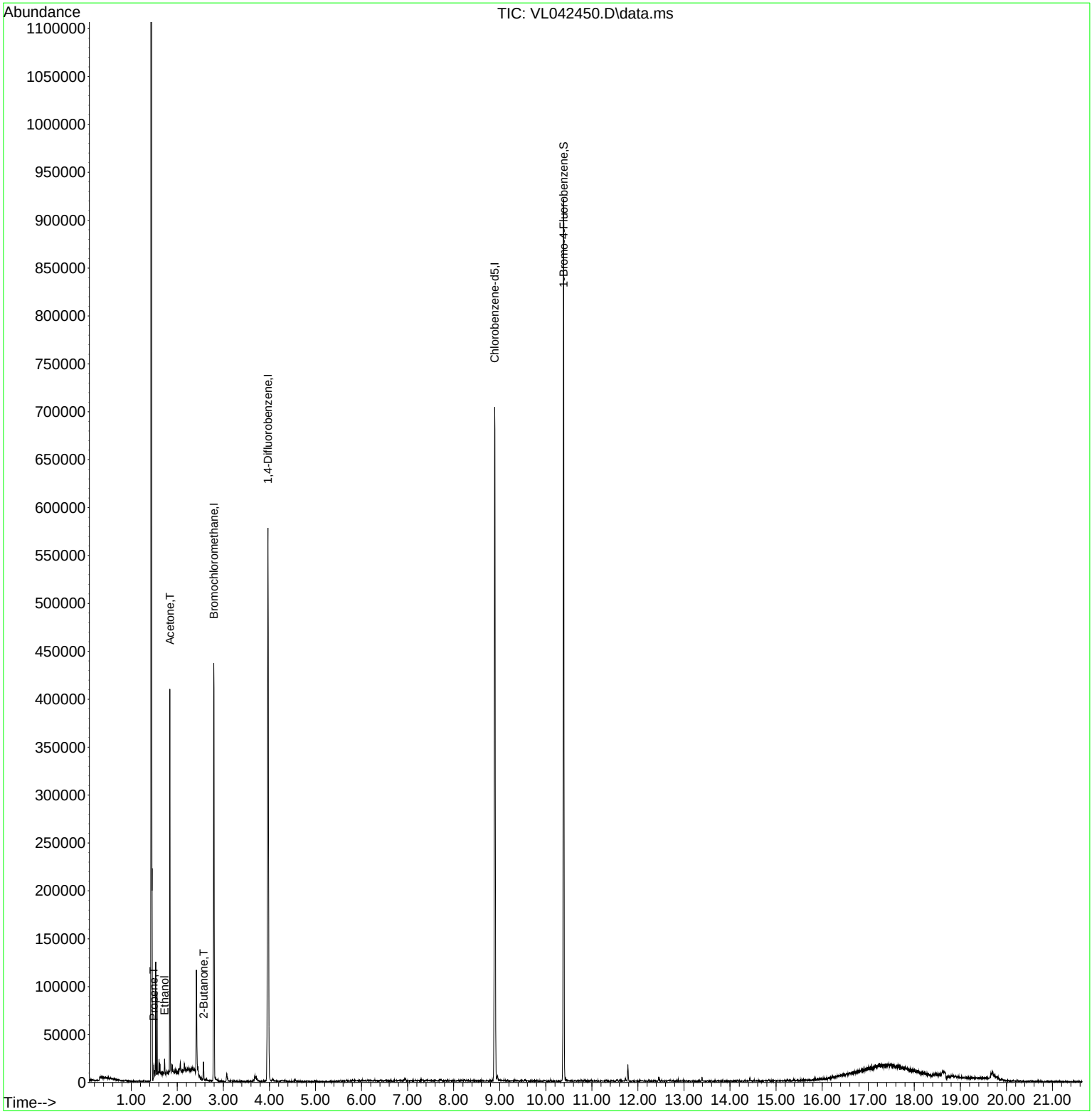
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	113127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	299787	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	249502	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	219145	10.689	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.900%			
Target Compounds						Qvalue
9) Propene	1.489	41	1638	0.189	ppbv	90
13) Ethanol	1.726	45	5856	4.251	ppbv	76
15) Acetone	1.839	43	163492	8.828	ppbv	96
34) 2-Butanone	2.570	43	11098	0.468	ppbv	96

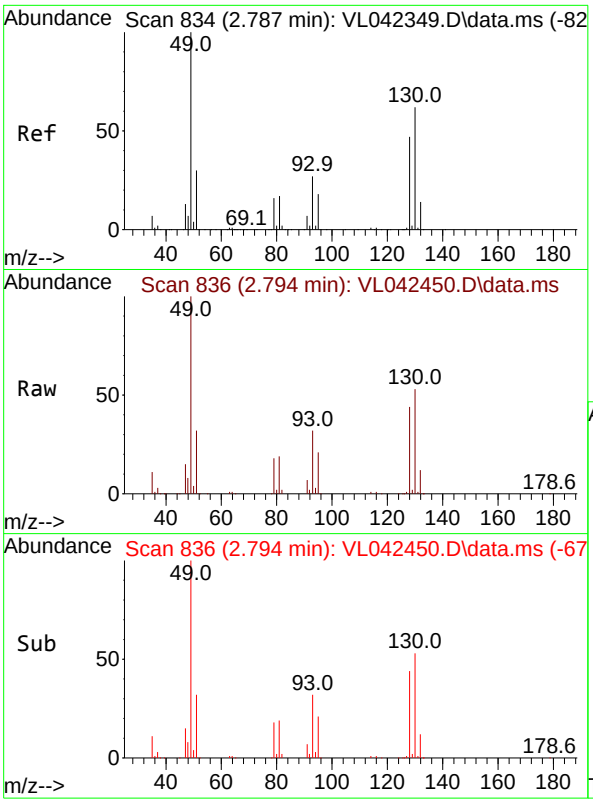
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042450.D
Acq On : 29 Apr 2025 17:04
Operator : SY/MD
Sample : Q1880-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Quant Time: Apr 30 01:23:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



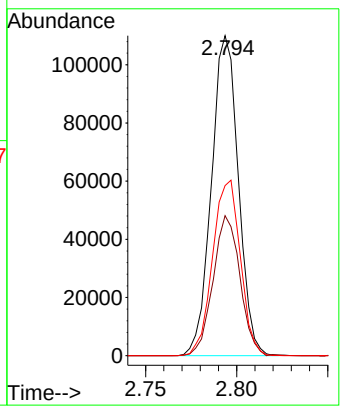


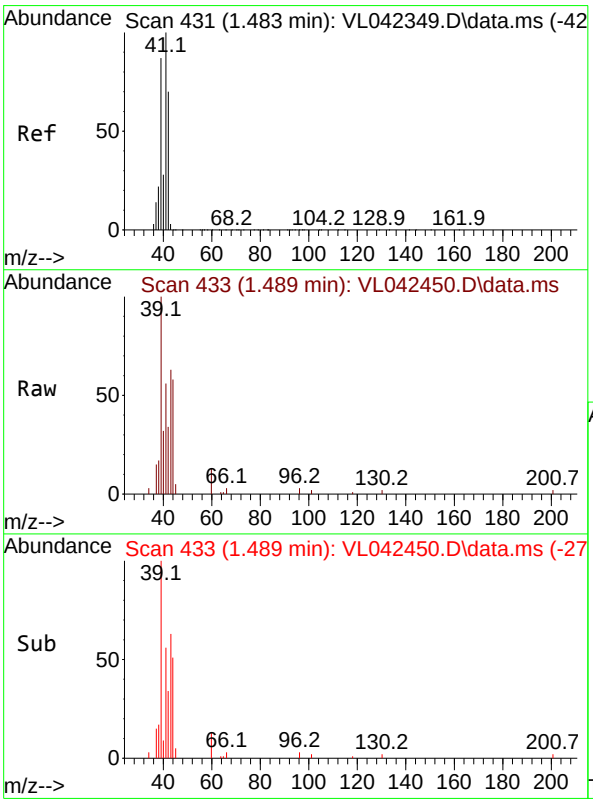
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Tgt Ion: 49 Resp: 113127

Ion	Ratio	Lower	Upper
49	100		
128	43.8	22.8	68.4
130	56.4	29.3	88.0

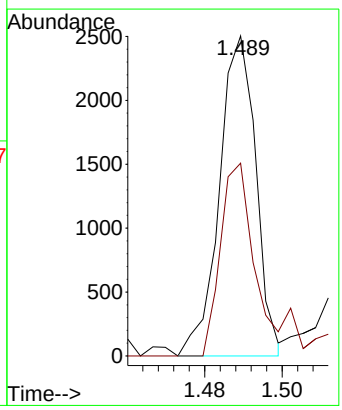


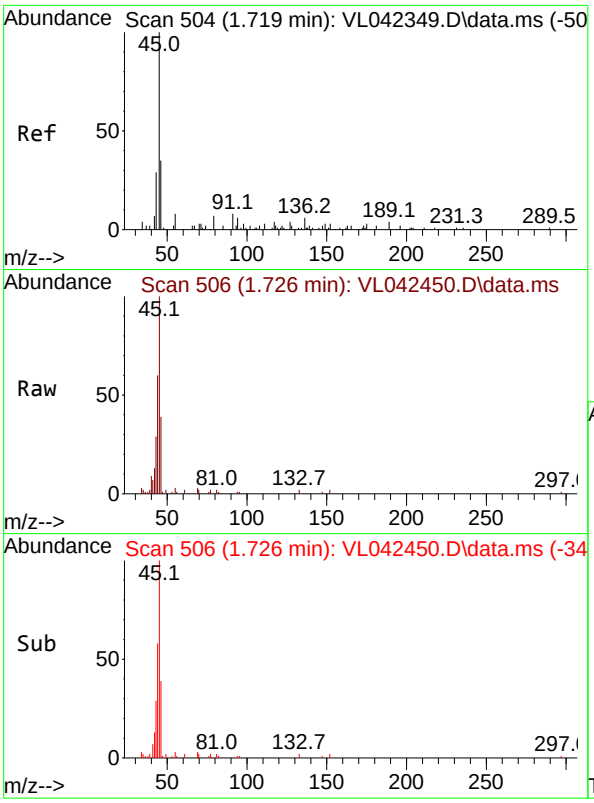


#9
Propene
Concen: 0.189 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 41 Resp: 1638

Ion	Ratio	Lower	Upper
41	100		
42	62.1	56.2	84.4



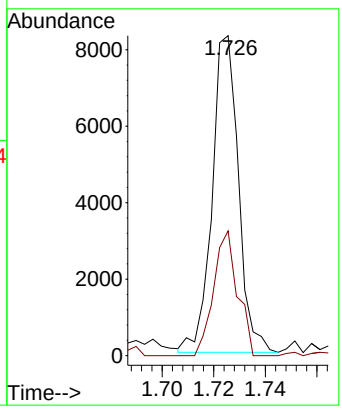


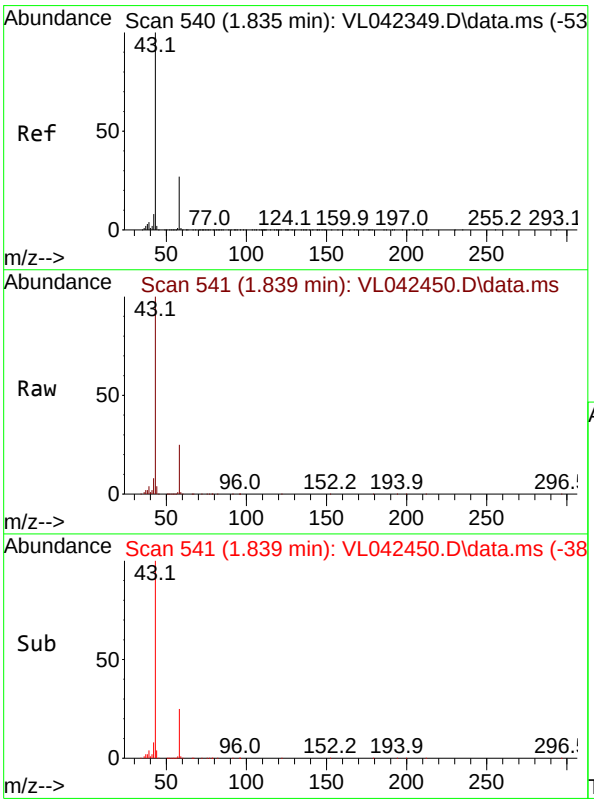
#13
Ethanol
Concen: 4.251 ppbv
RT: 1.726 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Tgt Ion: 45 Resp: 5856

Ion	Ratio	Lower	Upper
45	100		
46	37.2	21.9	87.7

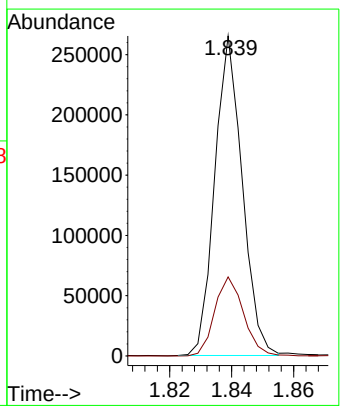


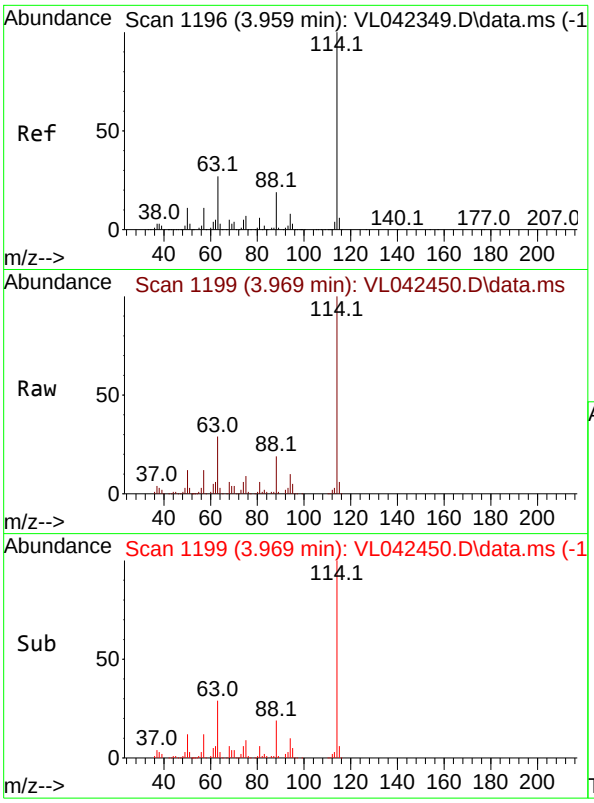


#15
Acetone
Concen: 8.828 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 43 Resp: 163492

Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.4	33.6



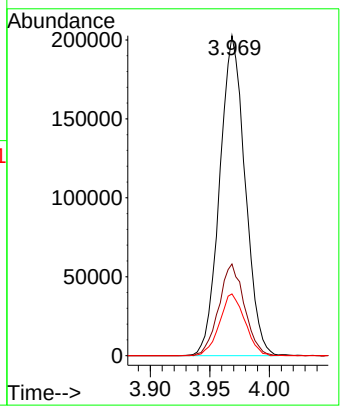


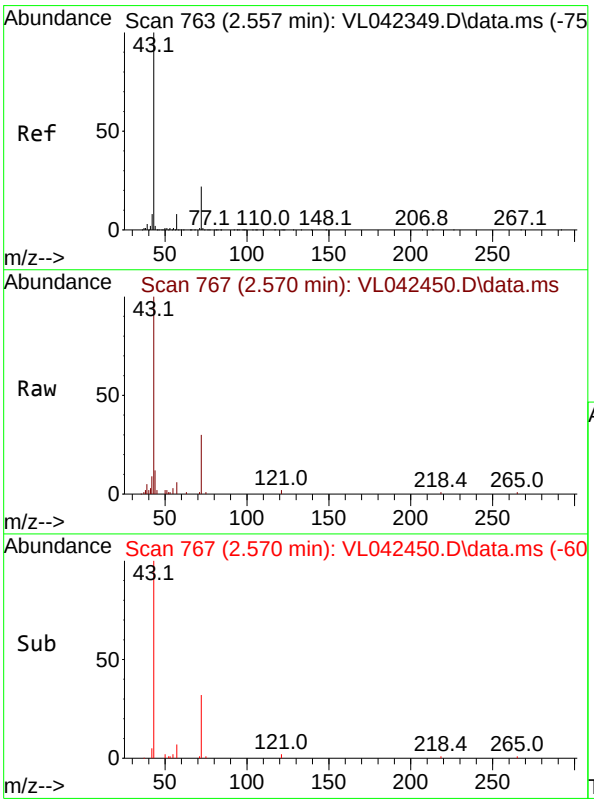
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Tgt Ion:114 Resp: 299787

Ion	Ratio	Lower	Upper
114	100		
63	29.0	21.8	32.6
88	19.3	15.5	23.3

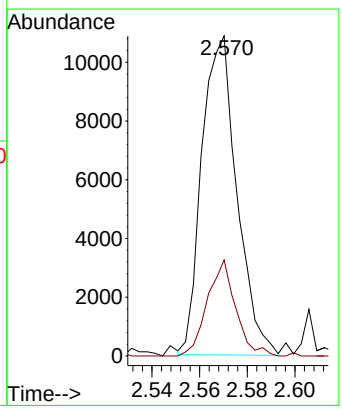


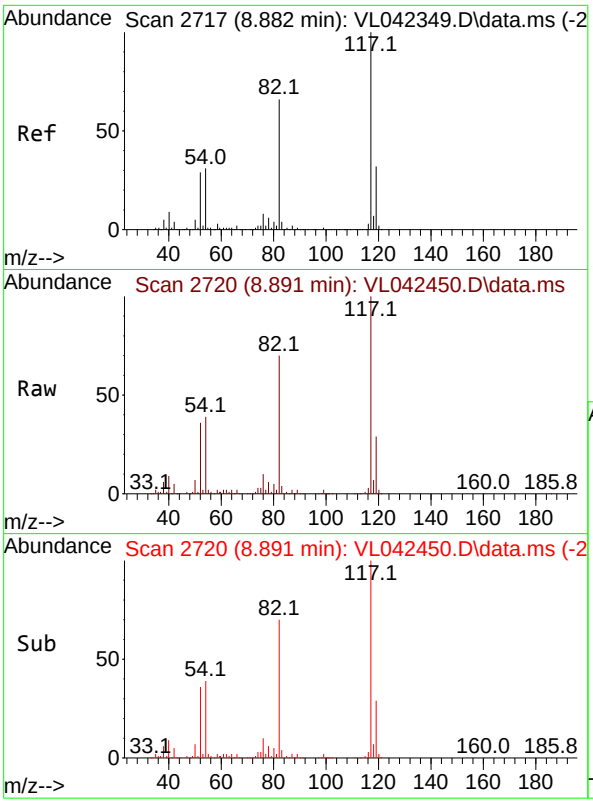


#34
2-Butanone
Concen: 0.468 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.013 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 43 Resp: 11098

Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.2	27.2



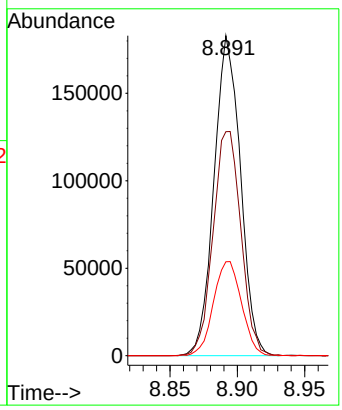


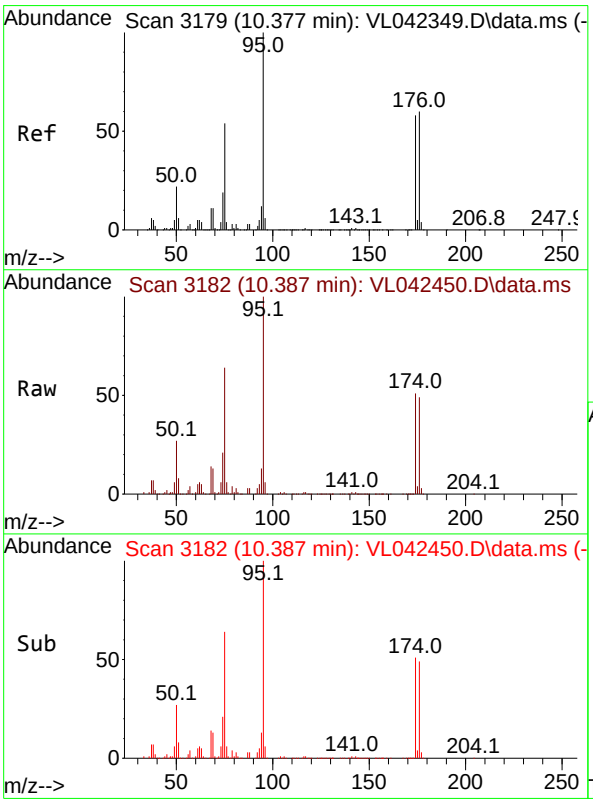
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Tgt Ion:117 Resp: 249502

Ion	Ratio	Lower	Upper
117	100		
82	73.9	57.8	86.6
119	31.3	25.2	37.8

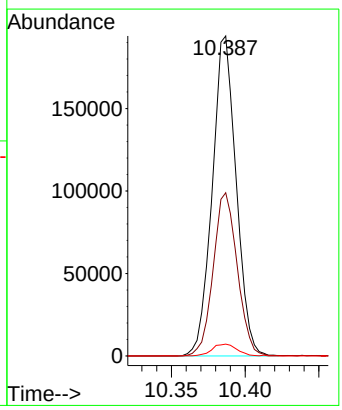




#68
1-Bromo-4-Fluorobenzene
Concen: 10.689 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.010 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 95 Resp: 219145

Ion	Ratio	Lower	Upper
95	100		
174	51.5	48.5	72.7
175	3.9	3.7	5.5



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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SL-IA02-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-02	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
VL042426.D	1		04/28/25 15:08	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.48	2.37	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.56	1.16		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.34	1.91	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	6.10	14.5		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.82	2.85		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.62	2.13		0.76	1.72	ug/m3
78-93-3	2-Butanone	0.29	0.86	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.12	0.38	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.34	1.28	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SL-IA02-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-02	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
VL042426.D	1		04/28/25 15:08	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.32	1.13	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	136000		2.781			
540-36-3	1,4-Difluorobenzene	376000		3.952			
3114-55-4	Chlorobenzene-d5	317000		8.875			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SL-IA02-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-02	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
VL042426.D	1		04/28/25 15:08	VL042825

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\VL042825\
Data File : VL042426.D
Acq On : 28 Apr 2025 15:08
Operator : SY/MD
Sample : Q1880-02
Misc : 400mL/MSVOA_L
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 29 01:38:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	135538	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	375715	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	317341	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	274941	10.543	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	11406	0.476	ppbv		98
3) Chlorodifluoromethane	1.473	51	10409m	0.456	ppbv		
4) Chloromethane	1.531	50	5297	0.559	ppbv		94
9) Propene	1.486	41	5107	0.492	ppbv	#	15
11) Trichlorofluoromethane	1.874	101	7696	0.338	ppbv		86
13) Ethanol	1.719	45	164901	99.903	ppbv		74
15) Acetone	1.832	43	135399	6.102	ppbv	#	88
19) Isopropyl Alcohol	1.884	45	31595	2.563	ppbv	#	23
20) Methylene Chloride	2.059	84	7130	0.821	ppbv		89
26) Hexane	2.823	57	7034	0.318	ppbv	#	4
30) Cyclohexane	3.852	84	11034	0.617	ppbv	#	89
34) 2-Butanone	2.557	43	8551	0.288	ppbv		96
35) Carbon Tetrachloride	3.758	117	2310m	0.068	ppbv		
36) Benzene	3.648	78	4650m	0.115	ppbv		
53) Toluene	6.923	91	16750	0.344	ppbv	#	20
59) m/p-Xylene	9.529	91	6625m	0.131	ppbv		

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042426.D
Acq On : 28 Apr 2025 15:08
Operator : SY/MD
Sample : Q1880-02
Misc : 400mL/MSVOA_L
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 29 01:38:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

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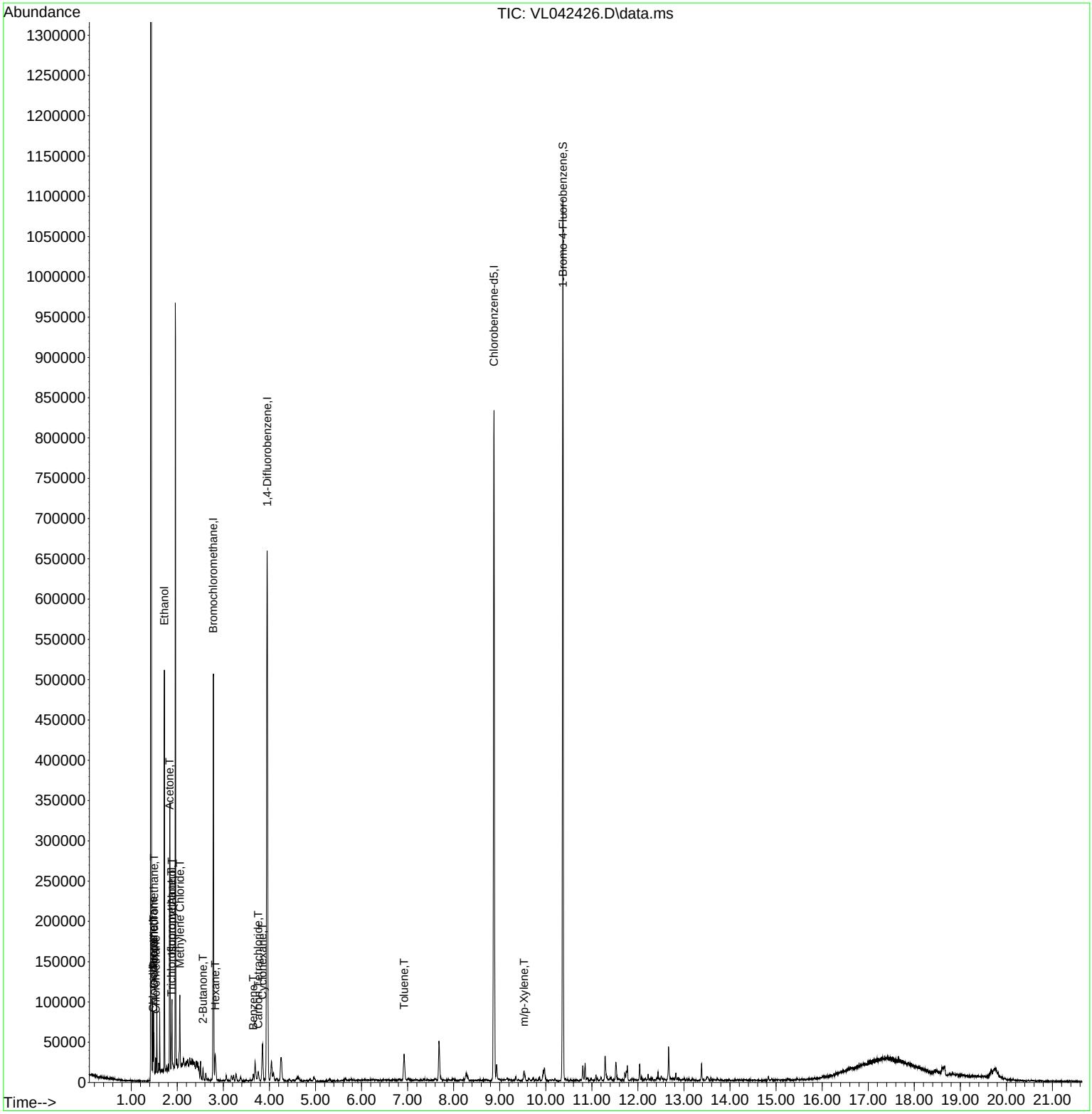

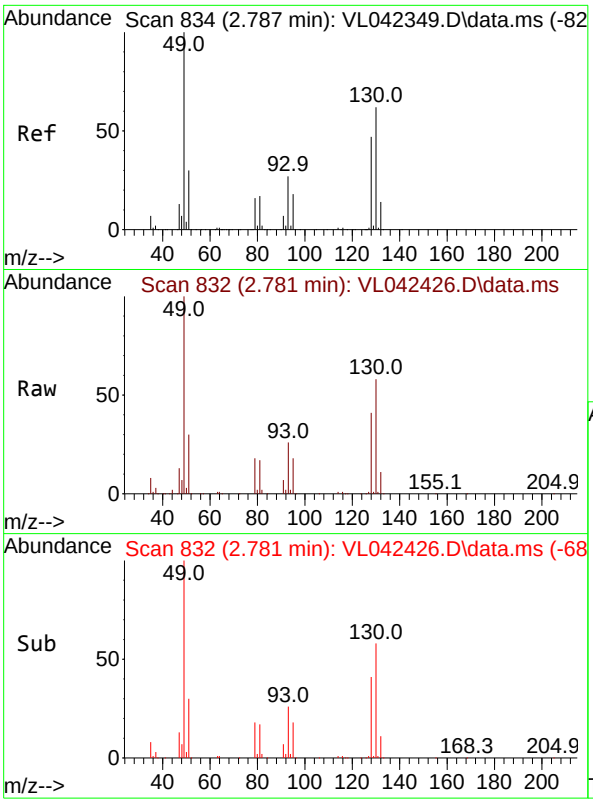

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 49 Resp: 13553

Ion	Ratio	Lower	Upper
49	100		
128	43.7	22.8	68.4
130	57.2	29.3	88.0

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

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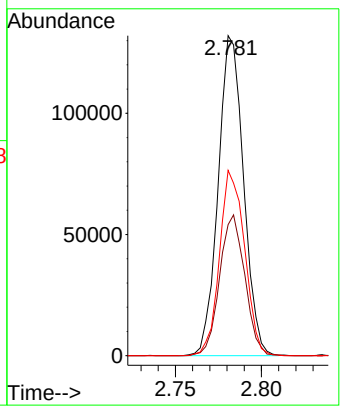
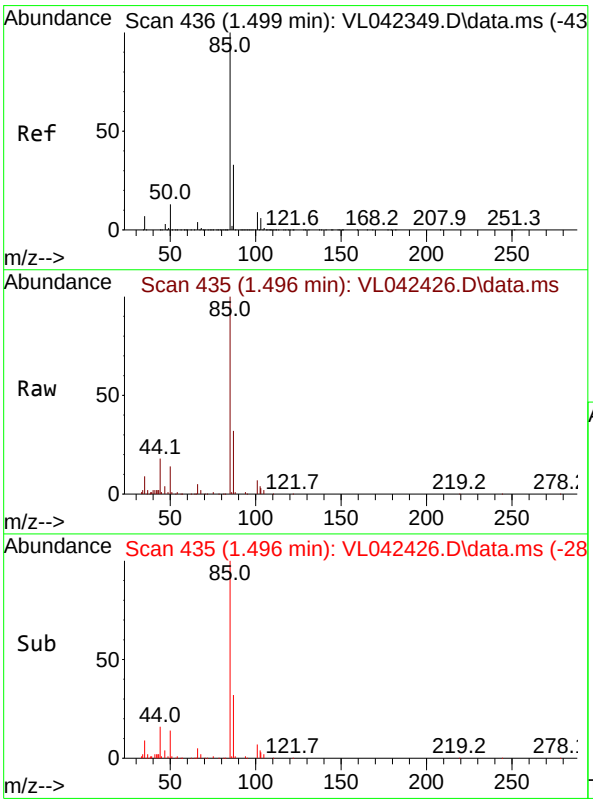
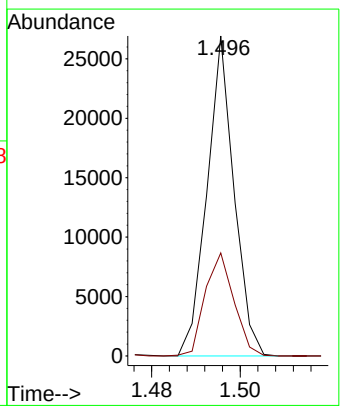


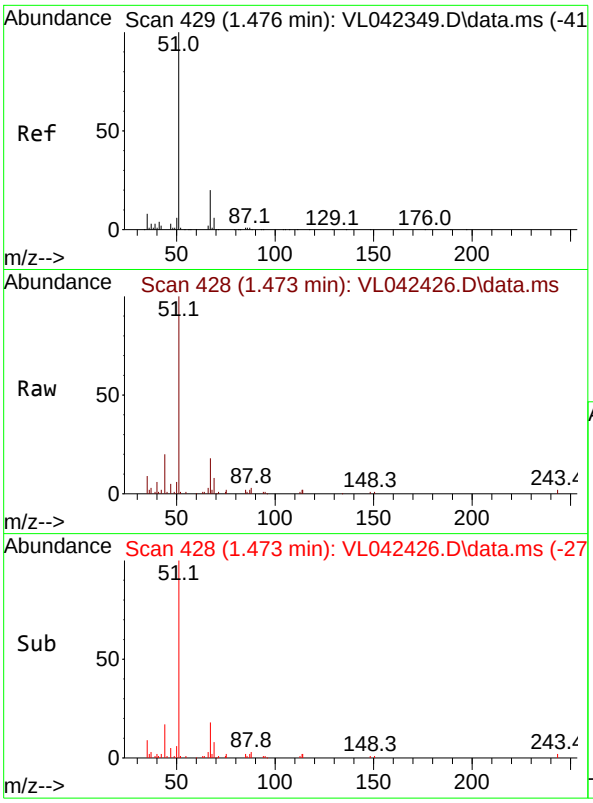


#2
Dichlorodifluoromethane
Concen: 0.476 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 85 Resp: 11406

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8

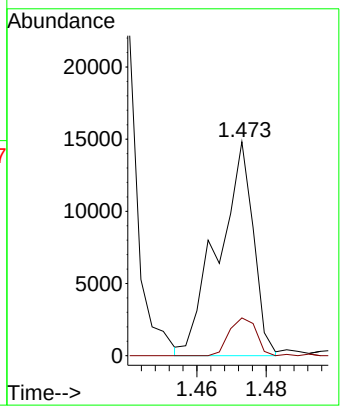




#3
Chlorodifluoromethane
Concen: 0.456 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 51 Resp: 1040

Ion	Ratio	Lower	Upper
51	100		
67	13.9	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

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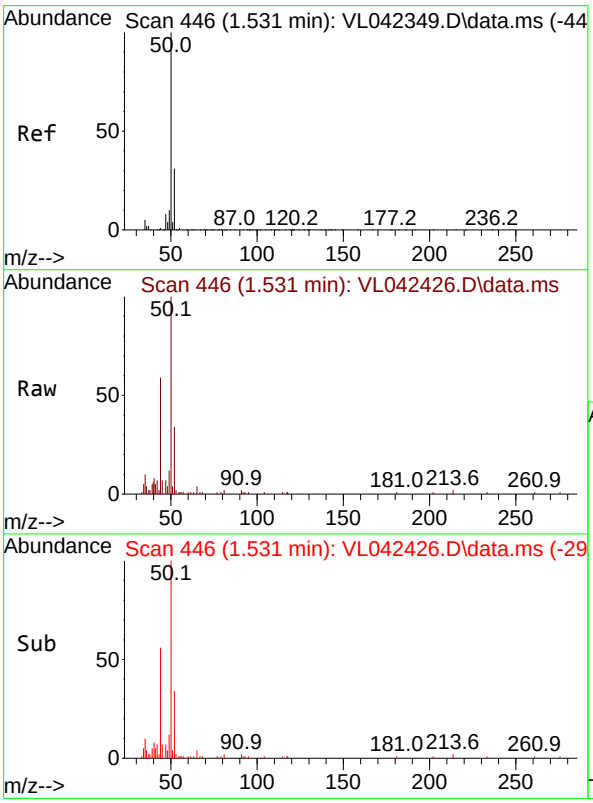
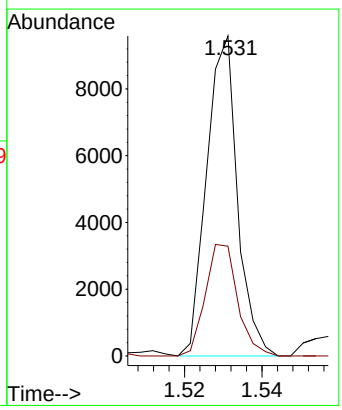
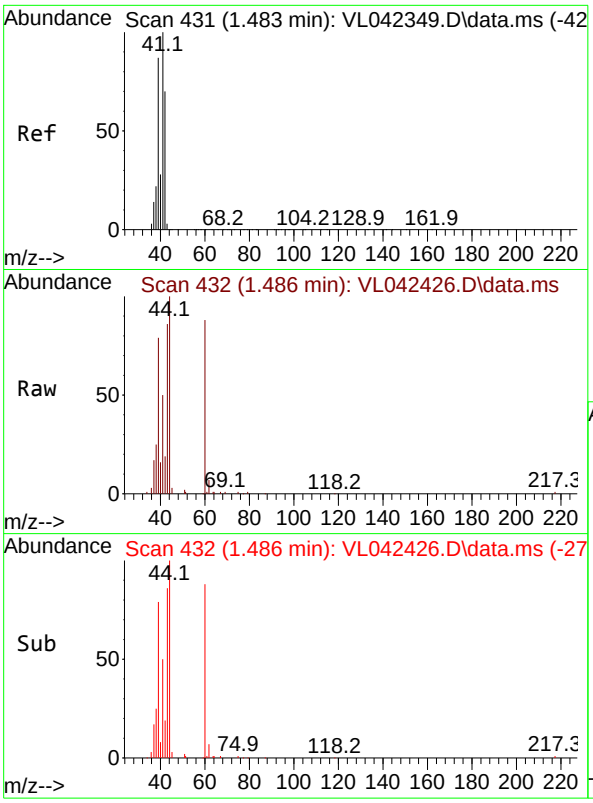


#4
Chloromethane
Concen: 0.559 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 50 Resp: 5297

Ion	Ratio	Lower	Upper
50	100		
52	34.3	24.7	37.1





#9
Propene
Concen: 0.492 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 41 Resp: 510

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4

Instrument :
MSVOA_L
ClientSampleId :
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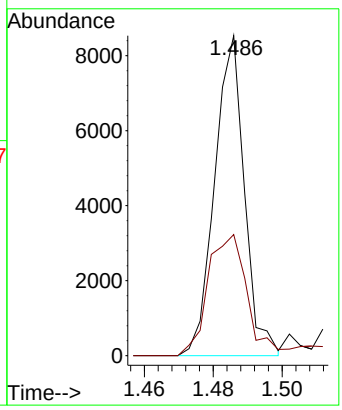
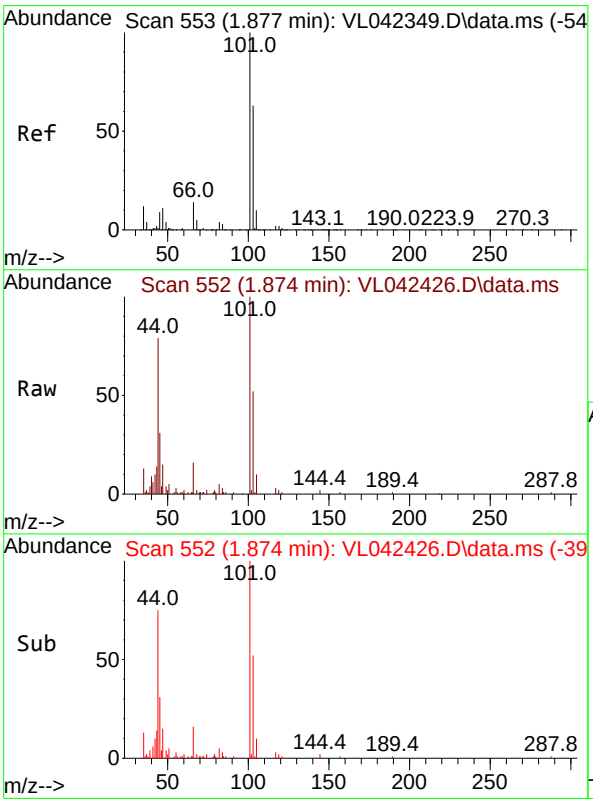
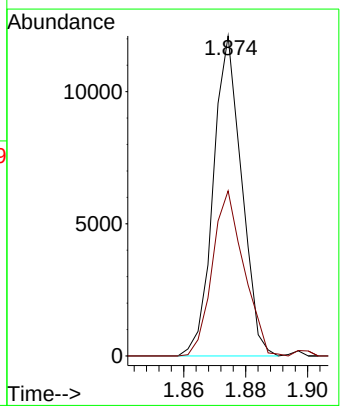


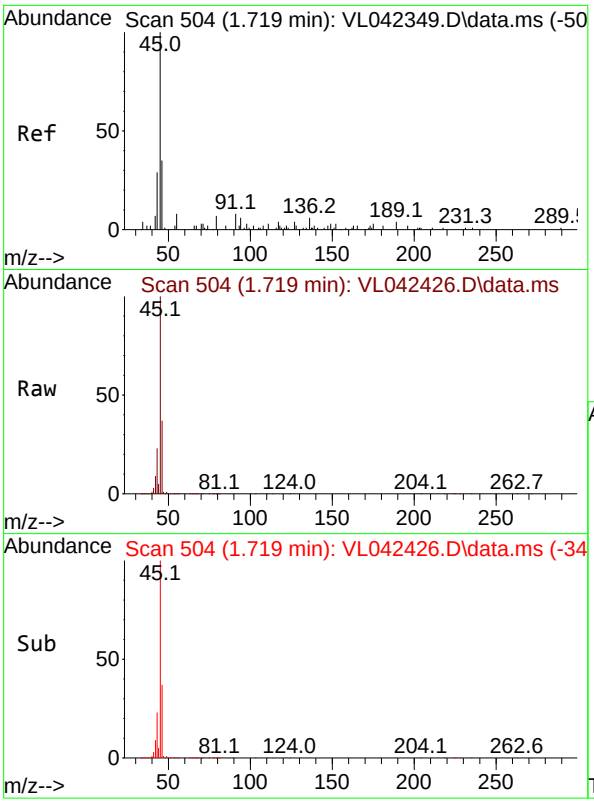


#11
Trichlorofluoromethane
Concen: 0.338 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:101 Resp: 7696

Ion	Ratio	Lower	Upper
101	100		
103	51.6	50.1	75.1





#13
Ethanol
Concen: 99.903 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 45 Resp: 16490

Ion	Ratio	Lower	Upper
45	100		
46	36.2	21.9	87.7

Instrument :
MSVOA_L
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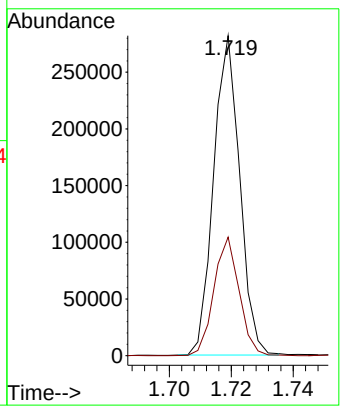
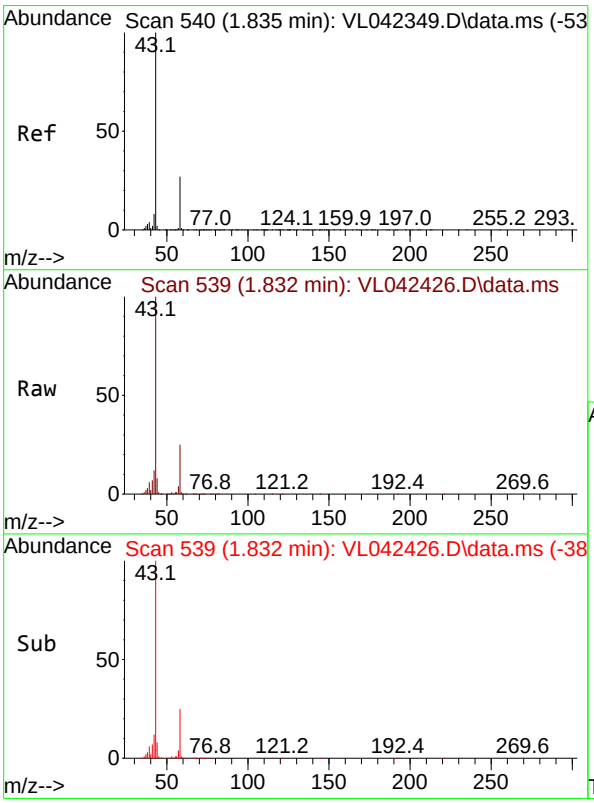
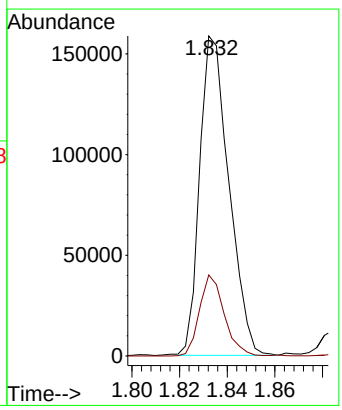


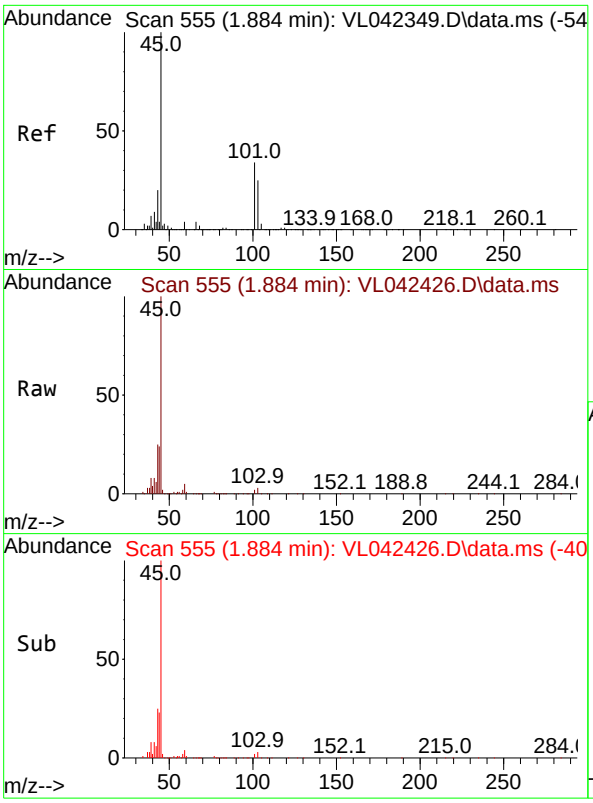


#15
Acetone
Concen: 6.102 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 43 Resp: 135399

Ion	Ratio	Lower	Upper
43	100		
58	21.6	22.4	33.6#





#19
Isopropyl Alcohol
Concen: 2.563 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 45 Resp: 3159

Ion	Ratio	Lower	Upper
45	100		
58	92.7	34.5	51.7

Instrument :
MSVOA_L
ClientSampleId :
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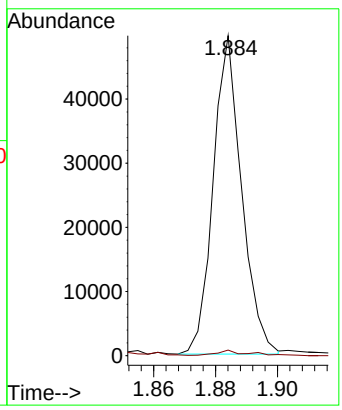
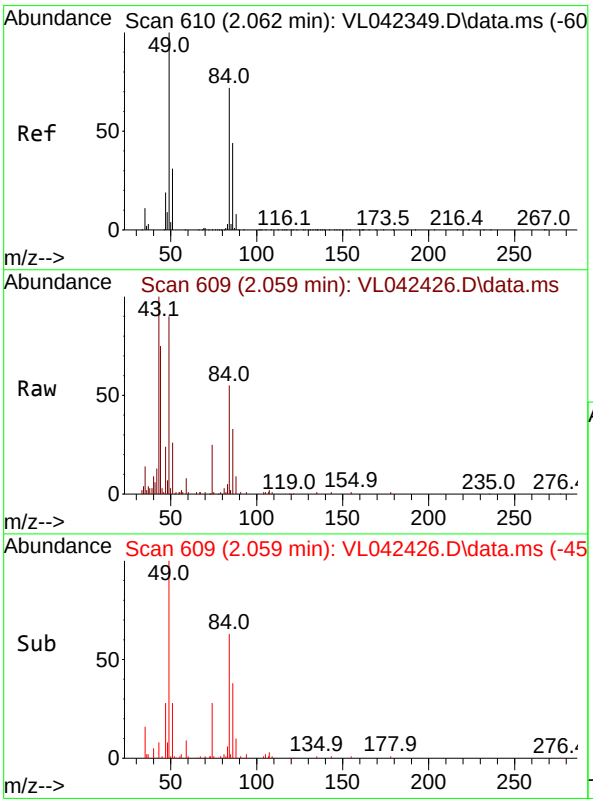
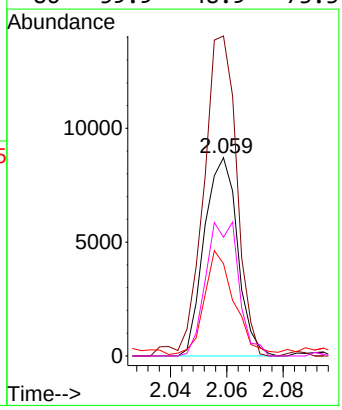


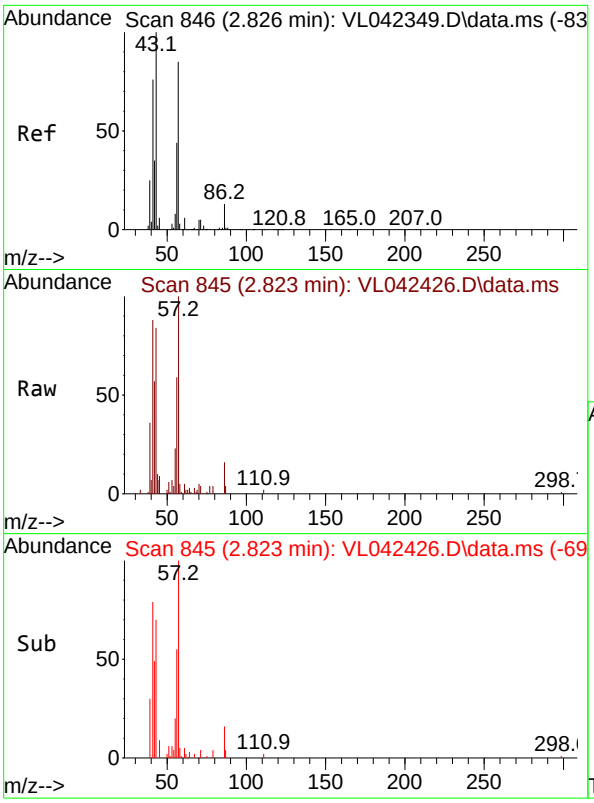


#20
Methylene Chloride
Concen: 0.821 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 84 Resp: 7130

Ion	Ratio	Lower	Upper
84	100		
49	161.4	111.6	167.4
51	45.1	35.1	52.7
86	59.9	48.9	73.3

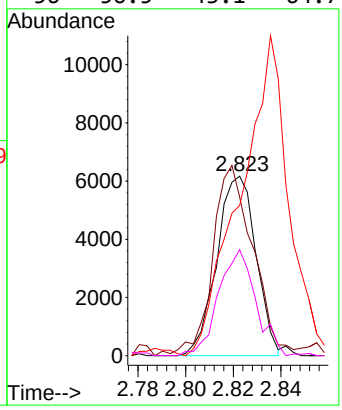




#26
Hexane
Concen: 0.318 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 57 Resp: 703

Ion	Ratio	Lower	Upper
57	100		
41	112.6	77.9	116.9
43	0.0	208.4	312.6#
56	56.5	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

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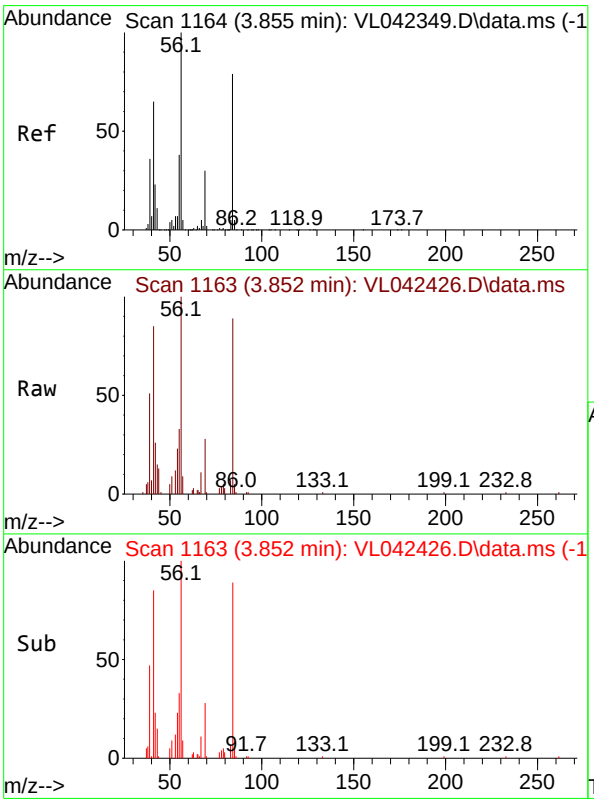
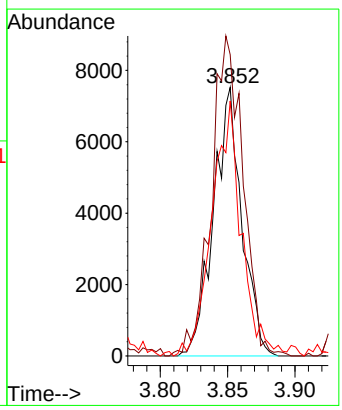
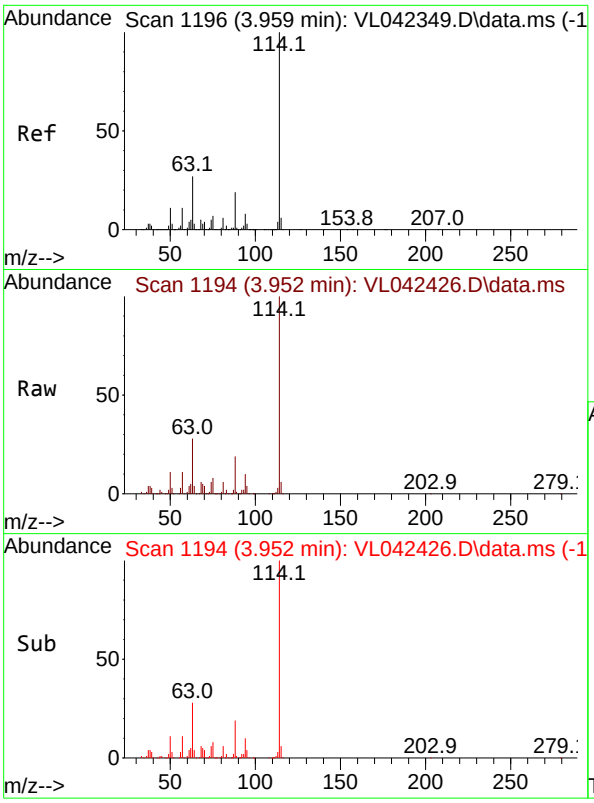


#30
Cyclohexane
Concen: 0.617 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 84 Resp: 11034

Ion	Ratio	Lower	Upper
84	100		
56	132.7	101.0	151.4
41	101.4	67.4	101.0#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:114 Resp: 37571

Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.8	32.6
88	19.2	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
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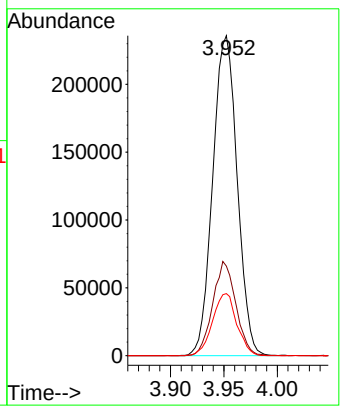
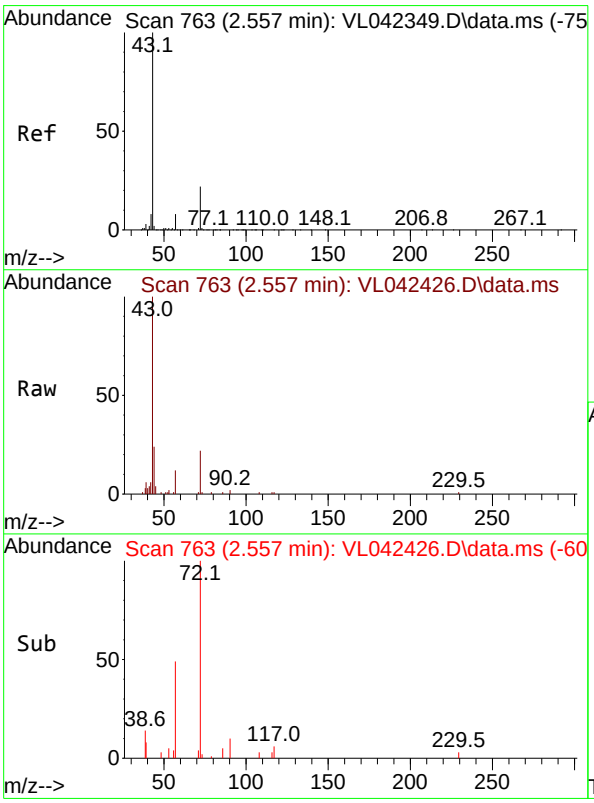
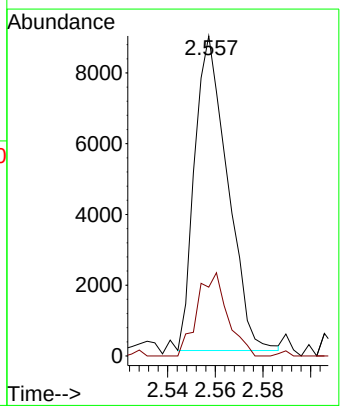


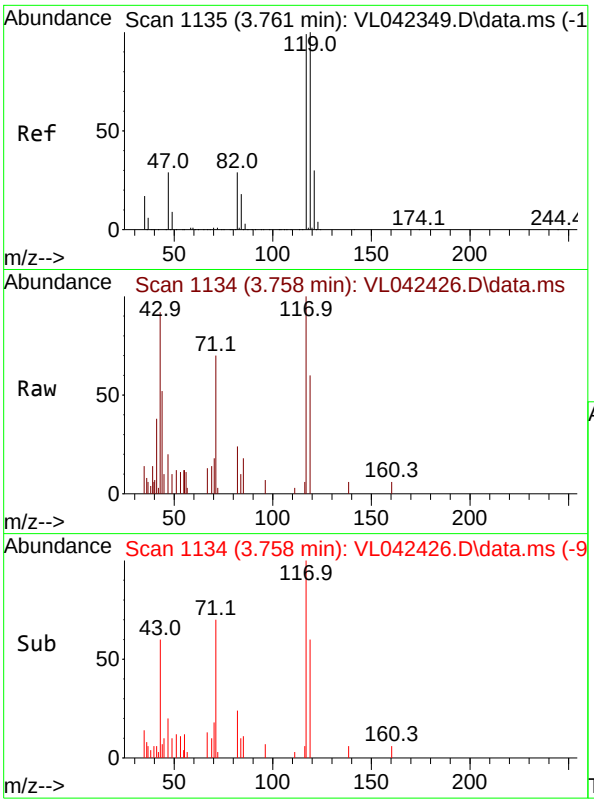


#34
2-Butanone
Concen: 0.288 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 43 Resp: 8551

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.758 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:117 Resp: 231

Ion	Ratio	Lower	Upper
117	100		
119	59.6	80.5	120.7#
121	0.0	24.2	36.2#

Instrument :
MSVOA_L
ClientSampleId :
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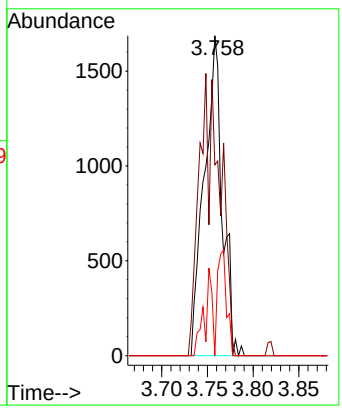
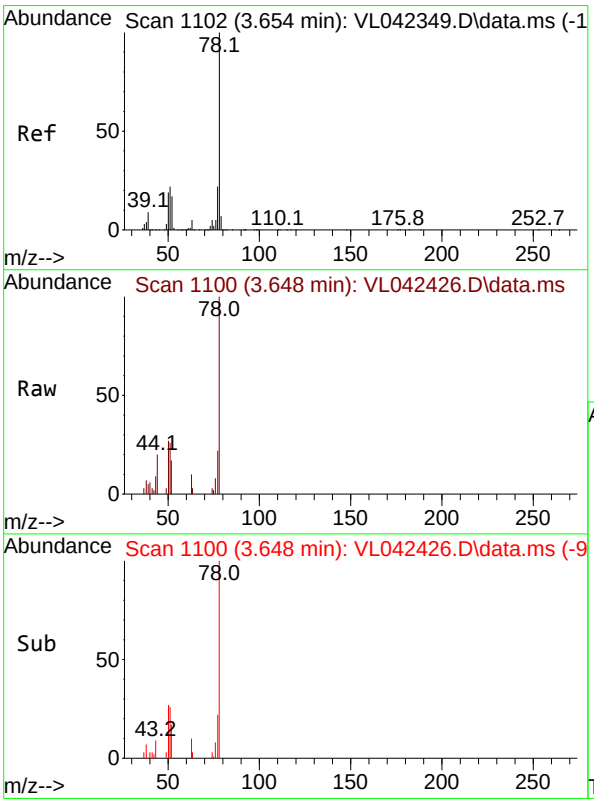
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

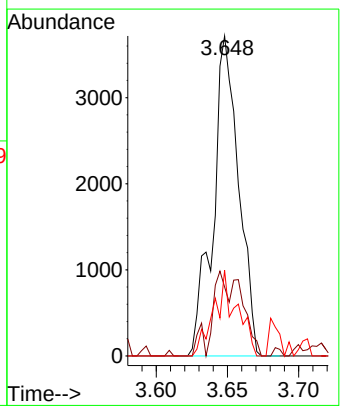


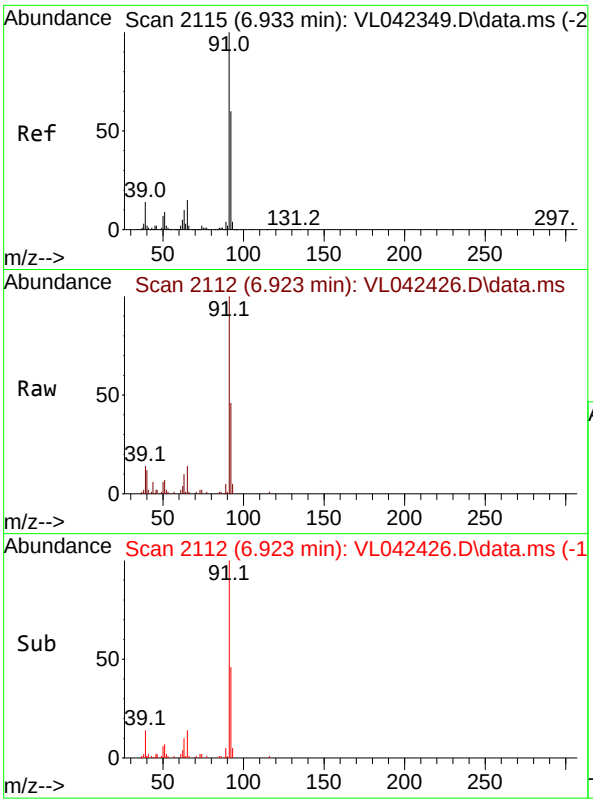


#36
Benzene
Concen: 0.115 ppbv m
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 78 Resp: 4650

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.4	26.0
50	26.8	15.5	23.3#





#53
Toluene
Concen: 0.344 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

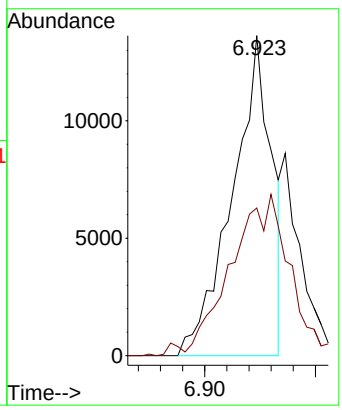
Tgt Ion: 91 Resp: 1675

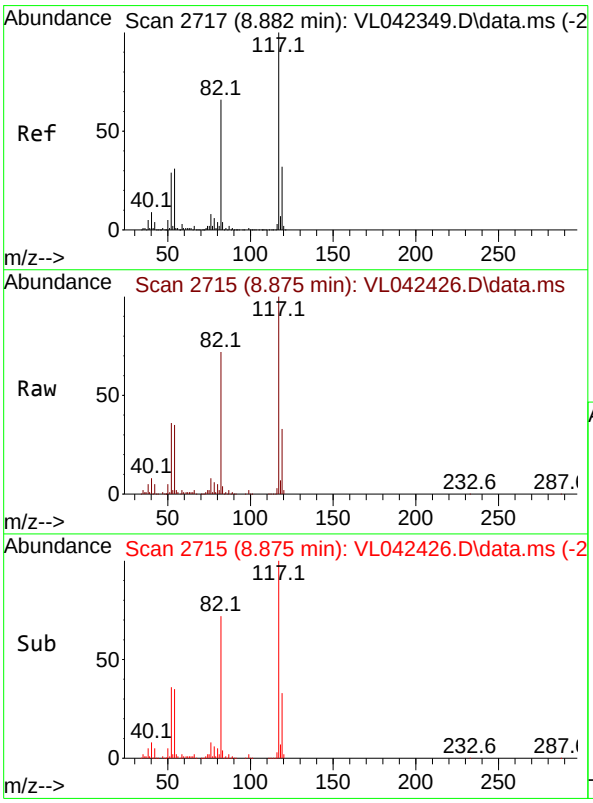
Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

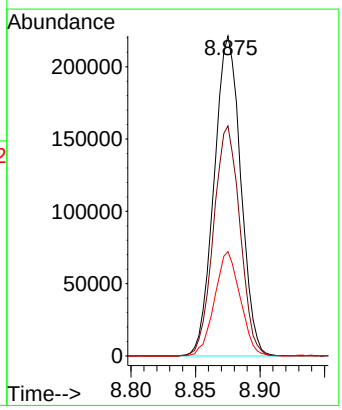


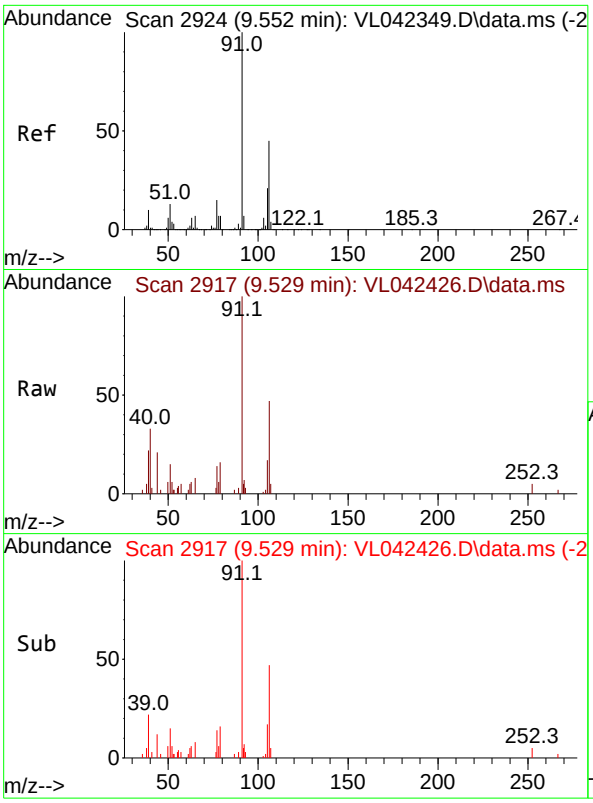


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:117 Resp: 317341

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.8	86.6
119	31.5	25.2	37.8





#59
m/p-Xylene
Concen: 0.131 ppbv m
RT: 9.529 min Scan# 2
Delta R.T. -0.023 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

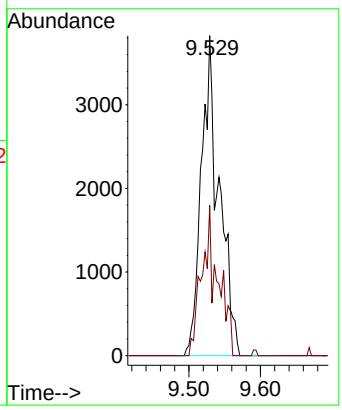
Tgt Ion: 91 Resp: 662

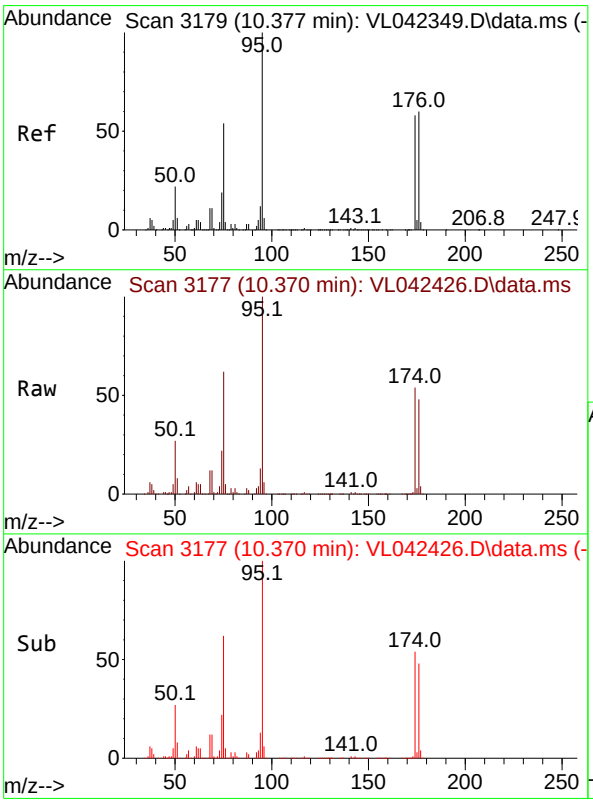
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

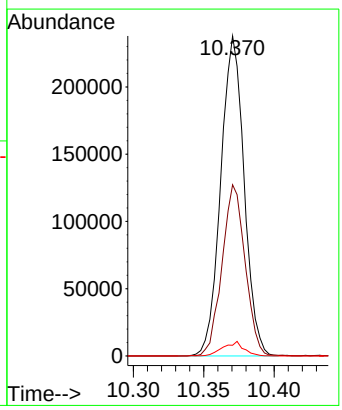




#68
1-Bromo-4-Fluorobenzene
Concen: 10.543 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 95 Resp: 274941

Ion	Ratio	Lower	Upper
95	100		
174	53.1	48.5	72.7
175	4.0	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/21/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P08-SC-IA01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-03	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
VL042427.D	1		04/28/25 15:42	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.49	2.42	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.54	1.12		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.29	1.63	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.13	0.53	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	3.50	8.31		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.41	1.42	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.31	0.91	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.23	0.87	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/21/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P08-SC-IA01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-03	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
VL042427.D	1		04/28/25 15:42	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.32	1.13	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	131000		2.781			
540-36-3	1,4-Difluorobenzene	365000		3.949			
3114-55-4	Chlorobenzene-d5	315000		8.875			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/21/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P08-SC-IA01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-03	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
VL042427.D	1		04/28/25 15:42	VL042825

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\VL042825\
Data File : VL042427.D
Acq On : 28 Apr 2025 15:42
Operator : SY/MD
Sample : Q1880-03
Misc : 400mL/MSVOA_L
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 29 01:39:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	130965	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	364997	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	315370	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	268747	10.370	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	11358	0.491	ppbv		91
3) Chlorodifluoromethane	1.473	51	7362m	0.334	ppbv		
4) Chloromethane	1.528	50	4924	0.538	ppbv	#	84
9) Propene	1.483	41	2451m	0.244	ppbv		
10) Heptane	4.969	43	3750m	0.133	ppbv		
11) Trichlorofluoromethane	1.874	101	6480	0.294	ppbv		89
13) Ethanol	1.719	45	192490	120.690	ppbv		76
15) Acetone	1.832	43	74168	3.459	ppbv		97
20) Methylene Chloride	2.059	84	3423	0.408	ppbv	#	87
26) Hexane	2.816	57	6844	0.320	ppbv	#	42
34) 2-Butanone	2.557	43	9033	0.313	ppbv		96
35) Carbon Tetrachloride	3.755	117	2251m	0.068	ppbv		
53) Toluene	6.920	91	11029m	0.233	ppbv		
59) m/p-Xylene	9.529	91	7266m	0.144	ppbv		

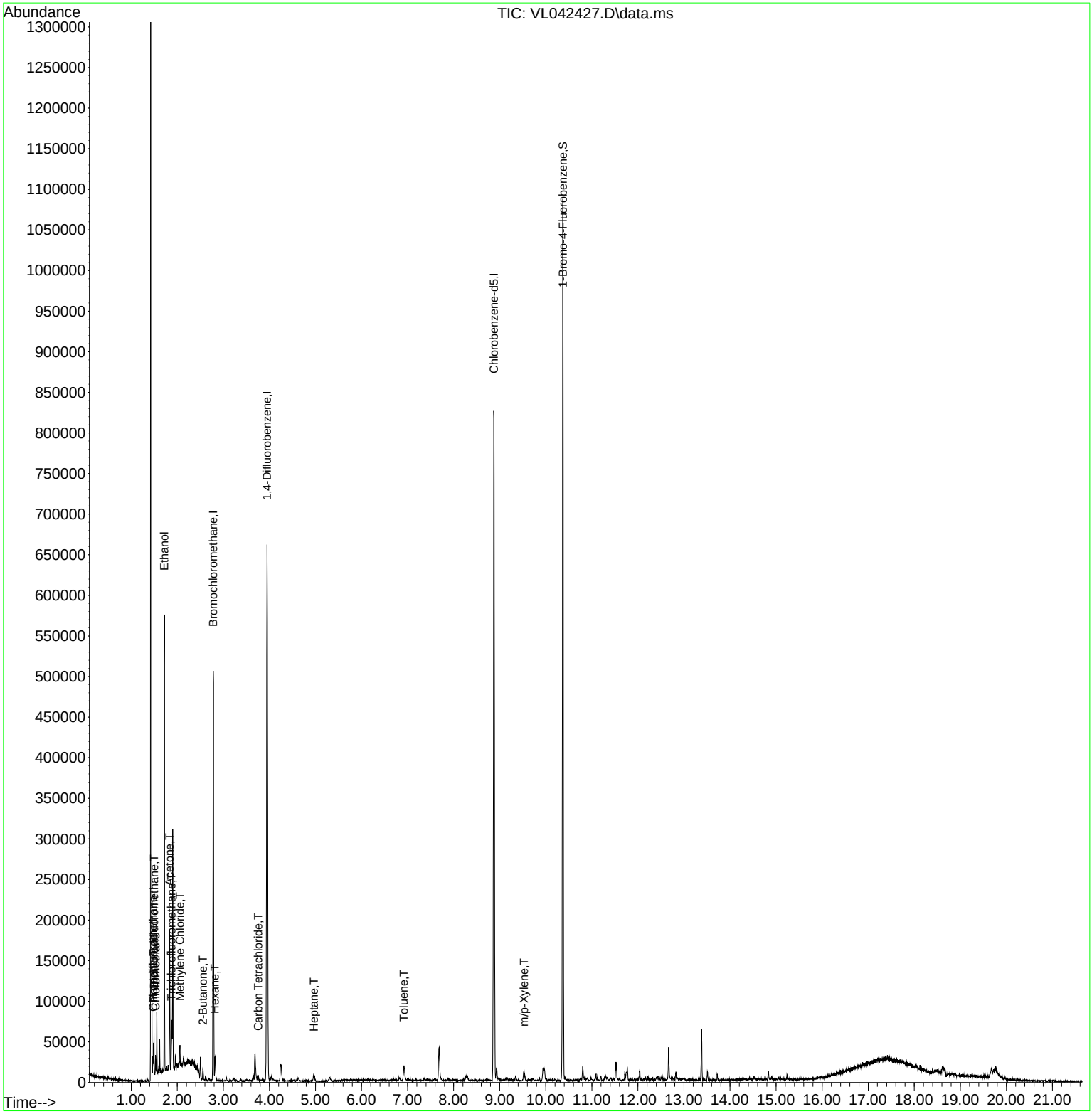
(#) = qualifier out of range (m) = manual integration (+) = signals summed

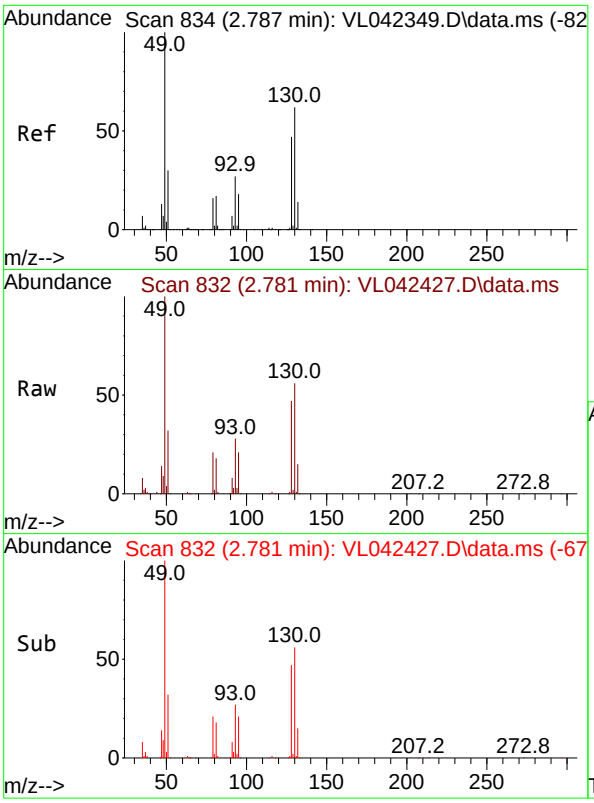
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042427.D
Acq On : 28 Apr 2025 15:42
Operator : SY/MD
Sample : Q1880-03
Misc : 400mL/MSVOA_L
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 29 01:39:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

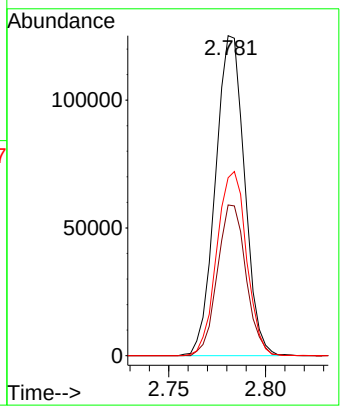




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 49 Resp: 13096

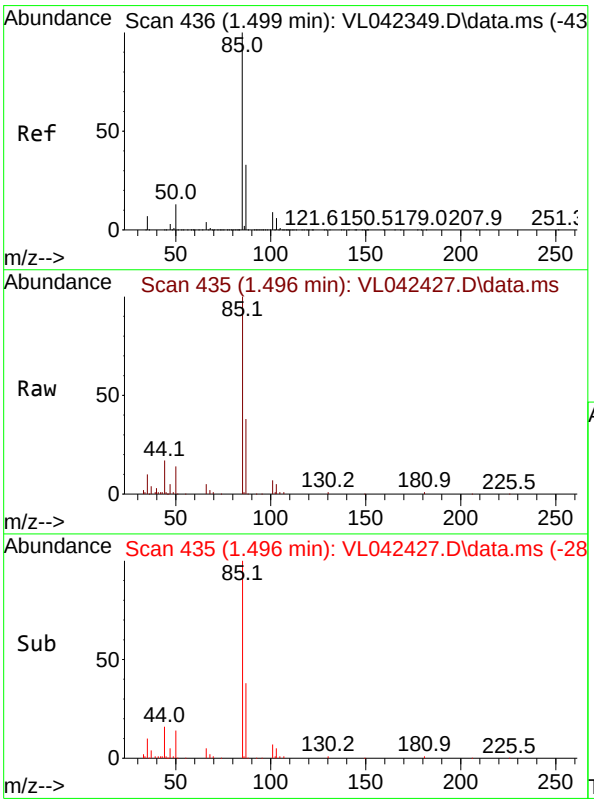
Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.8	68.4
130	58.8	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Manual Integrations
APPROVED

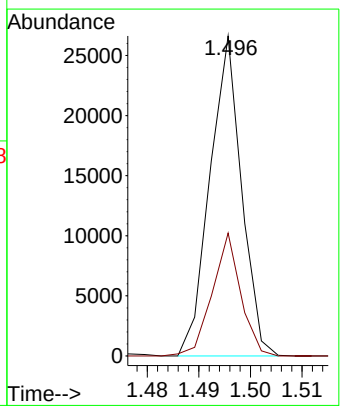
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

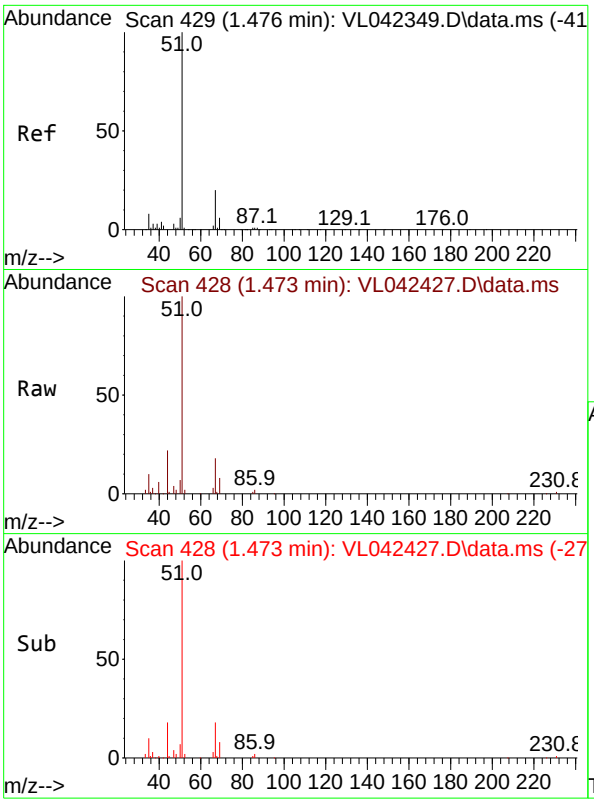


#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 85 Resp: 11358

Ion	Ratio	Lower	Upper
85	100		
87	38.4	26.6	39.8

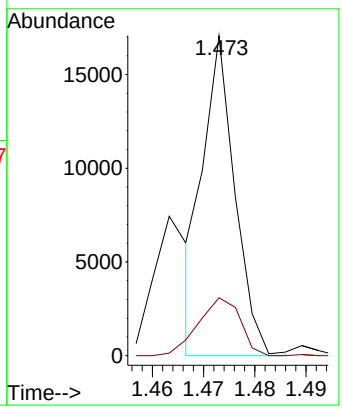




#3
Chlorodifluoromethane
Concen: 0.334 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 51 Resp: 736

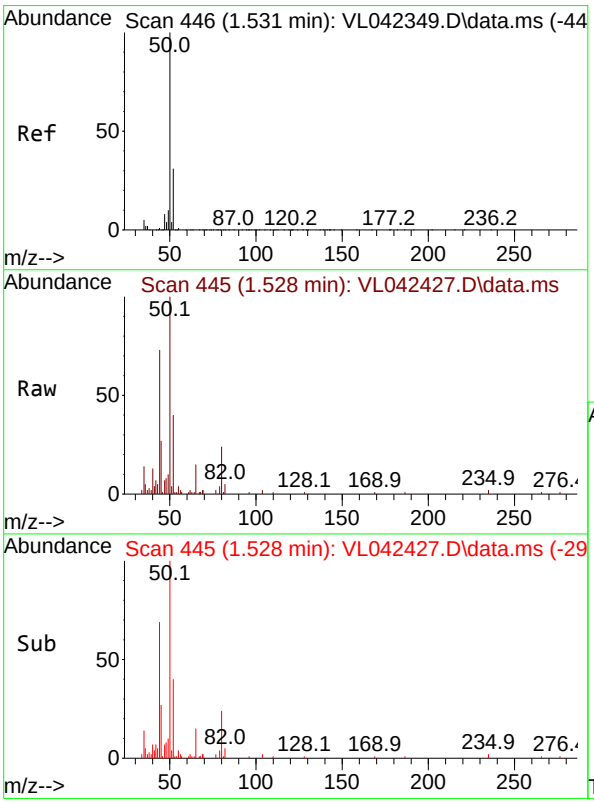
Ion	Ratio	Lower	Upper
51	100		
67	26.2	16.2	24.4#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Manual Integrations
APPROVED

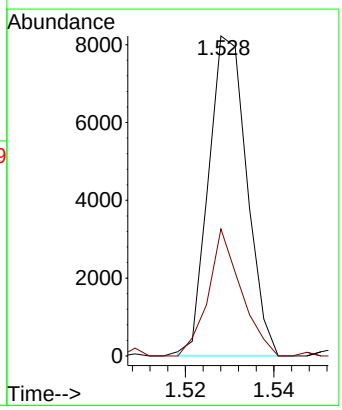
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

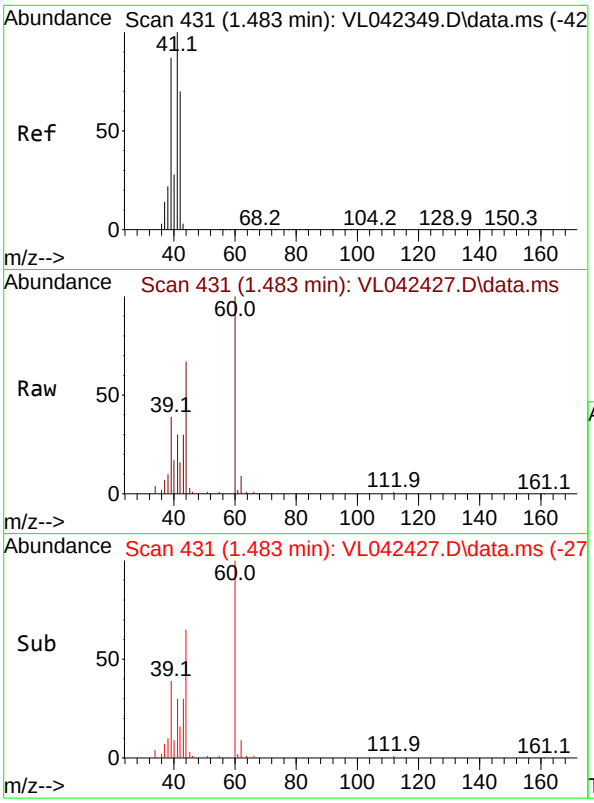


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 50 Resp: 4924

Ion	Ratio	Lower	Upper
50	100		
52	39.7	24.7	37.1#

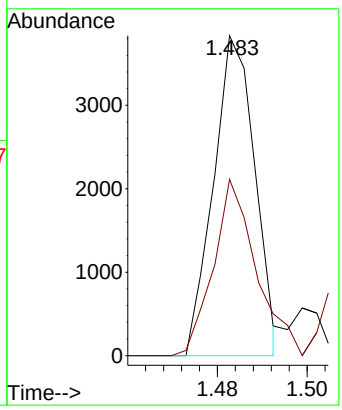




#9
Propene
Concen: 0.244 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 41 Resp: 245

Ion	Ratio	Lower	Upper
41	100		
42	99.3	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
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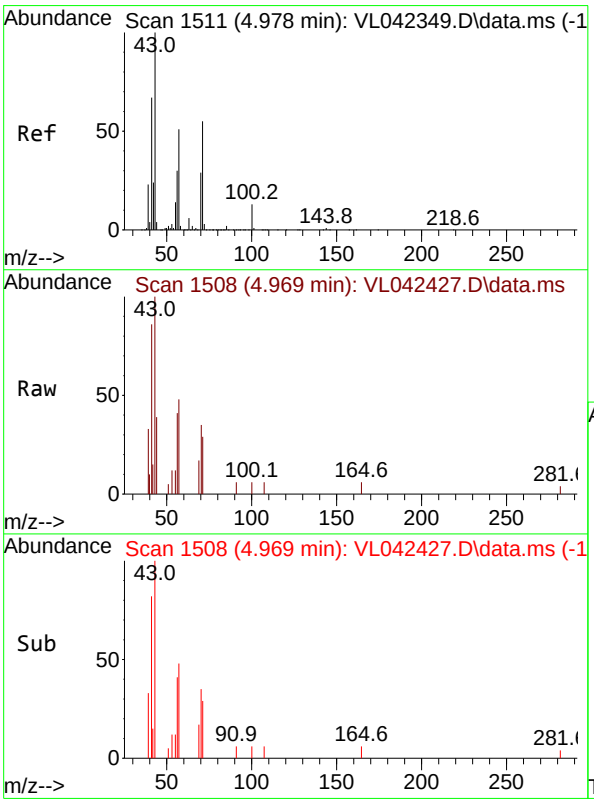
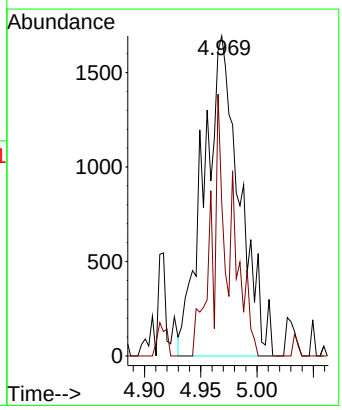
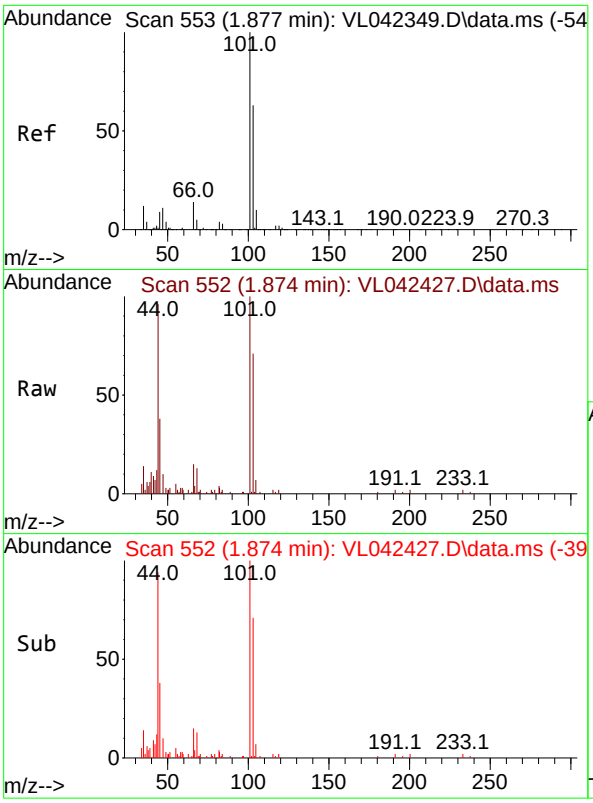


#10
Heptane
Concen: 0.133 ppbv m
RT: 4.969 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 3750

Ion	Ratio	Lower	Upper
43	100		
57	40.5	39.9	59.9

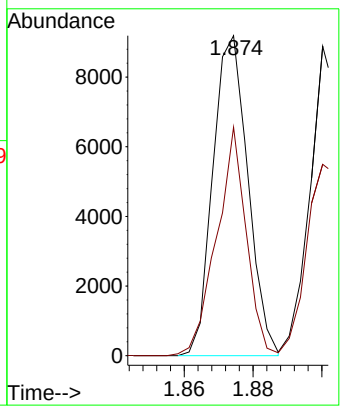




#11
Trichlorofluoromethane
Concen: 0.294 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:101 Resp: 648

Ion	Ratio	Lower	Upper
101	100		
103	70.8	50.1	75.1



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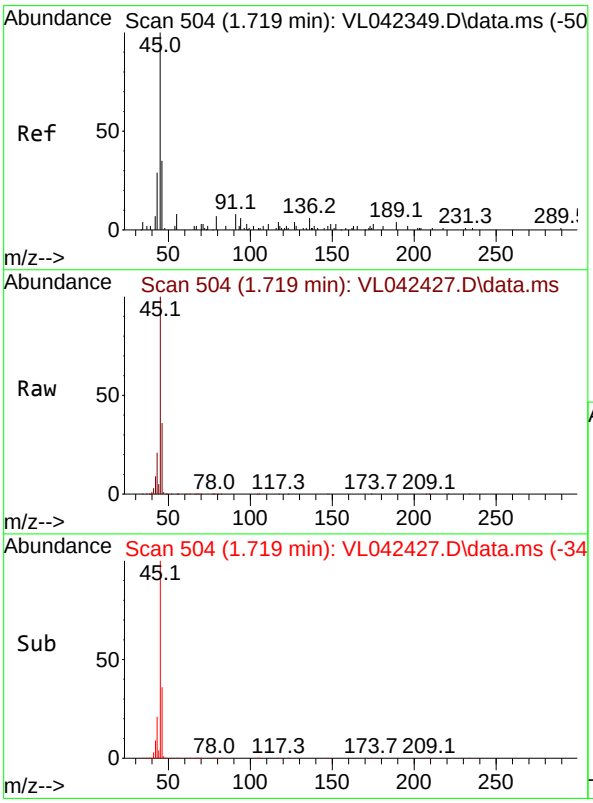
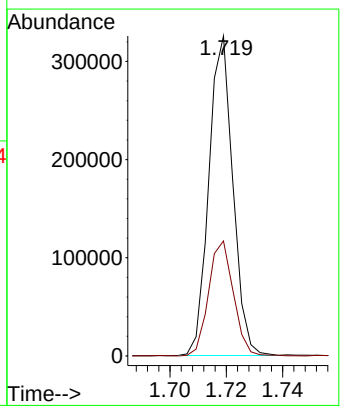
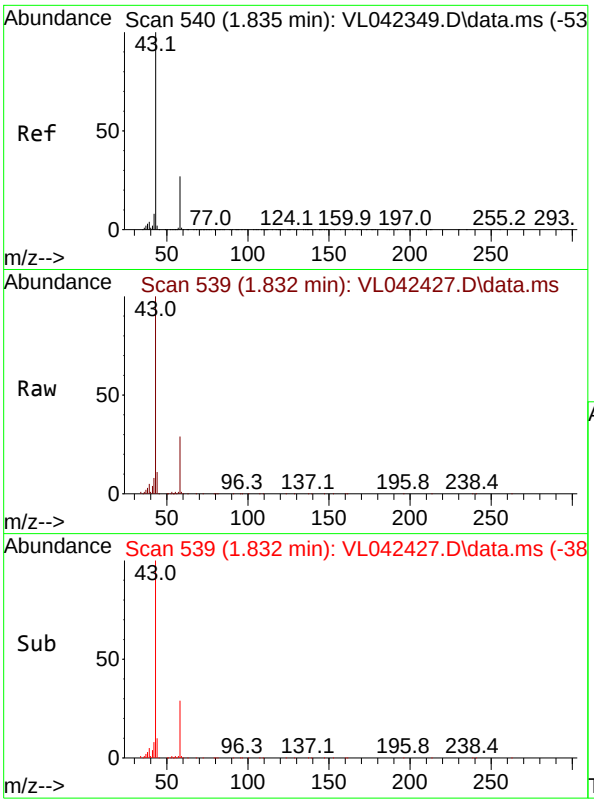


#13
Ethanol
Concen: 120.690 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 45 Resp: 192490

Ion	Ratio	Lower	Upper
45	100		
46	37.7	21.9	87.7

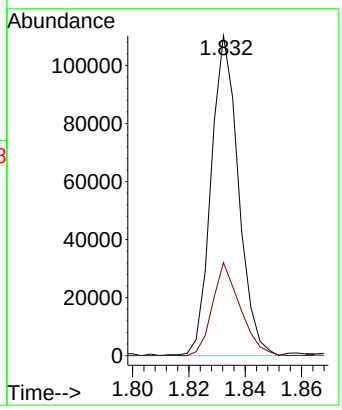




#15
Acetone
Concen: 3.459 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 7416

Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.4	33.6



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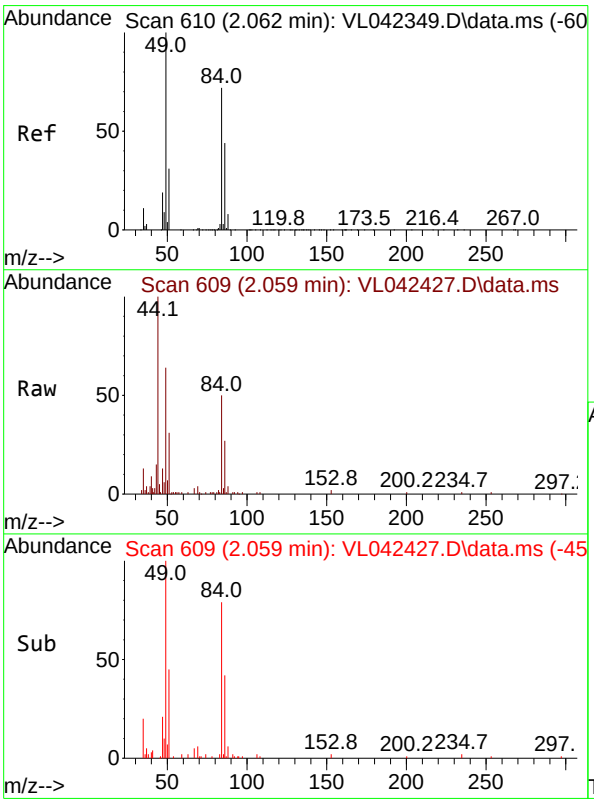
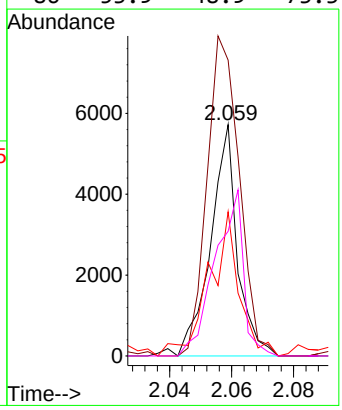
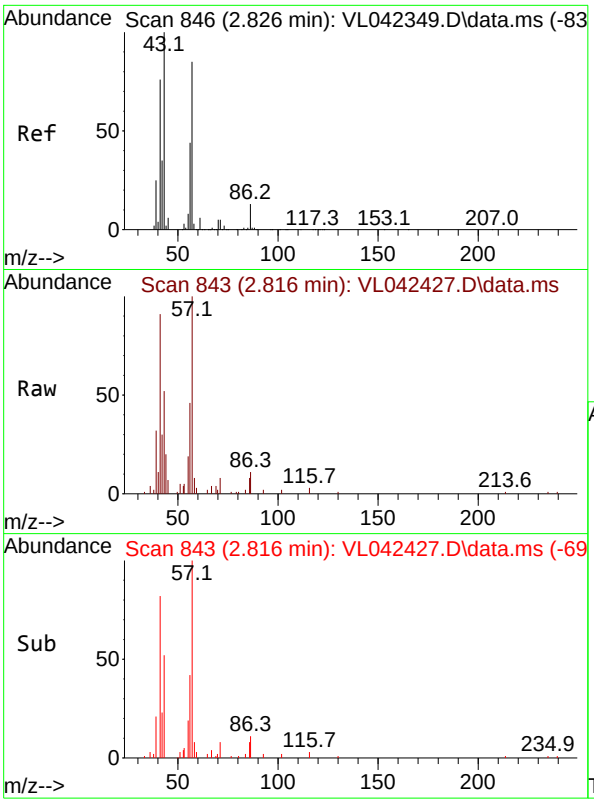


#20
Methylene Chloride
Concen: 0.408 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 84 Resp: 3423

Ion	Ratio	Lower	Upper
84	100		
49	127.9	111.6	167.4
51	62.3	35.1	52.7#
86	53.9	48.9	73.3

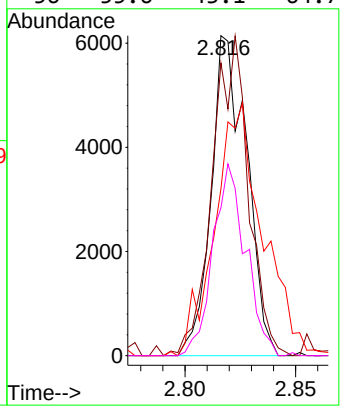




#26
Hexane
Concen: 0.320 ppbv
RT: 2.816 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 57 Resp: 684

Ion	Ratio	Lower	Upper
57	100		
41	109.6	77.9	116.9
43	106.7	208.4	312.6
56	55.6	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
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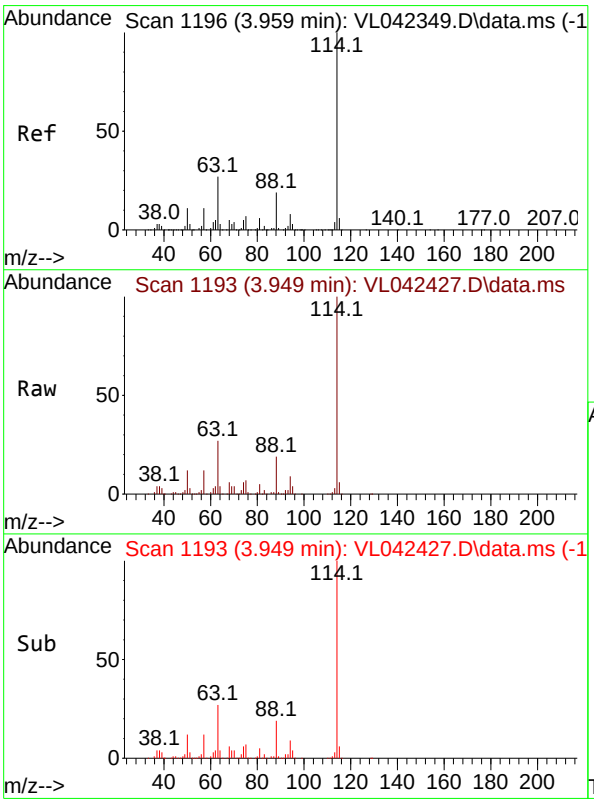
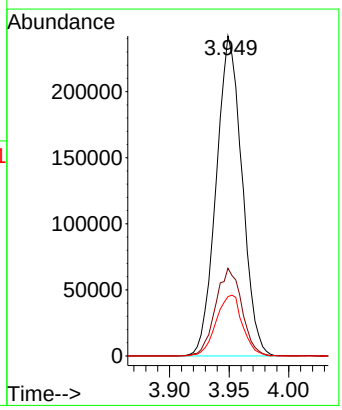
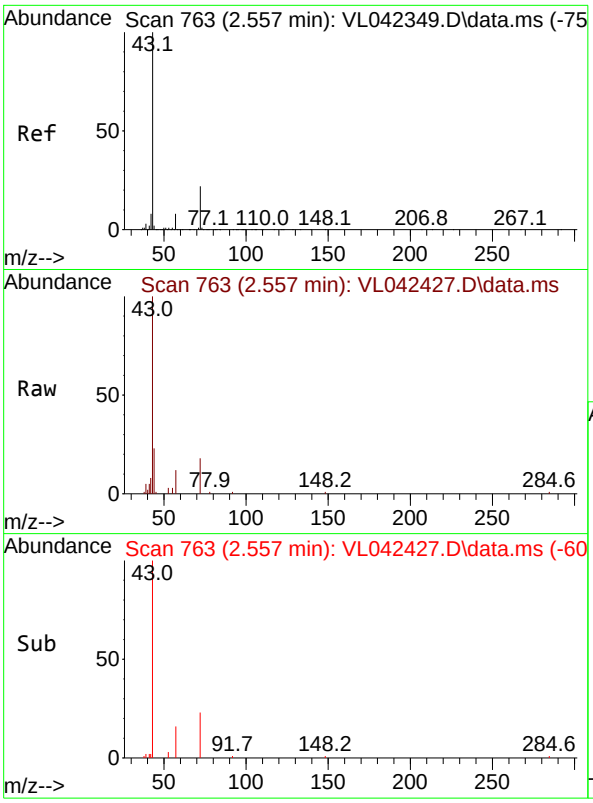


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:114 Resp: 364997

Ion	Ratio	Lower	Upper
114	100		
63	28.0	21.8	32.6
88	19.3	15.5	23.3





#34
2-Butanone
Concen: 0.313 ppbv
RT: 2.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 903

Ion	Ratio	Lower	Upper
43	100		
72	21.0	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
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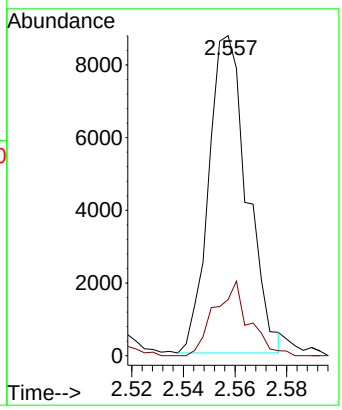
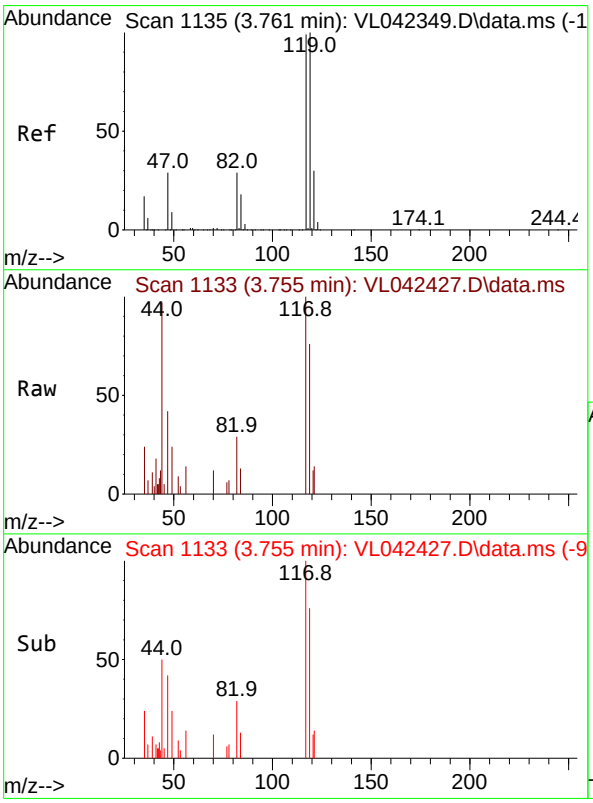
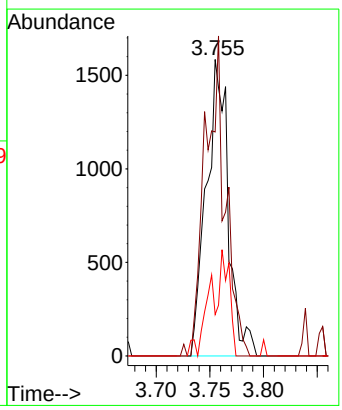


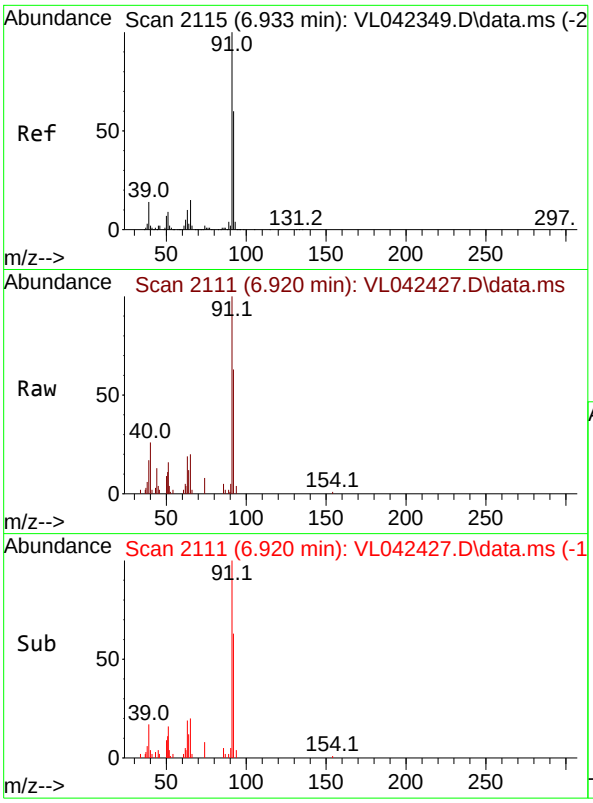


#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:117 Resp: 2251

Ion	Ratio	Lower	Upper
117	100		
119	75.6	80.5	120.7#
121	14.0	24.2	36.2#

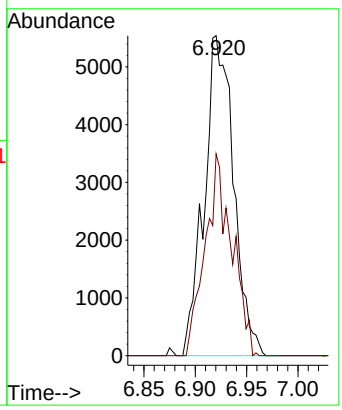




#53
Toluene
Concen: 0.233 ppbv m
RT: 6.920 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 91 Resp: 1102

Ion	Ratio	Lower	Upper
91	100		
92	57.1	48.2	72.4



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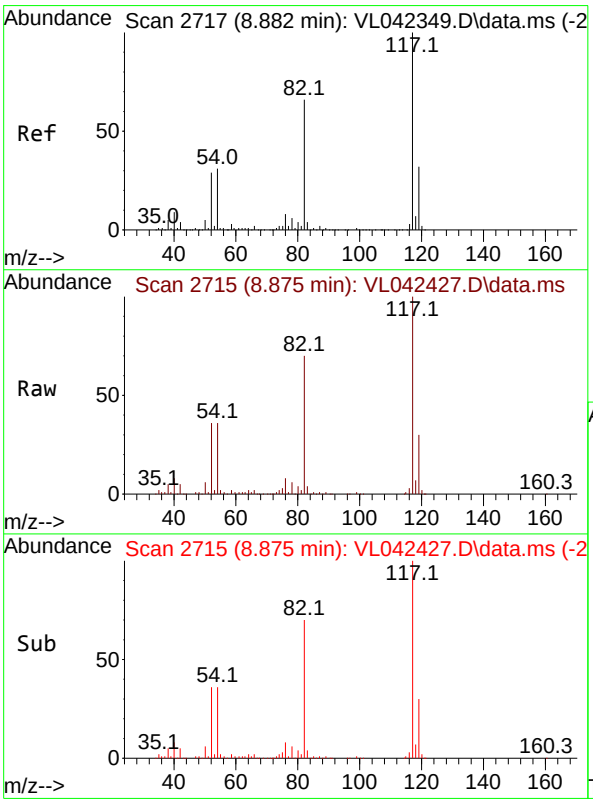
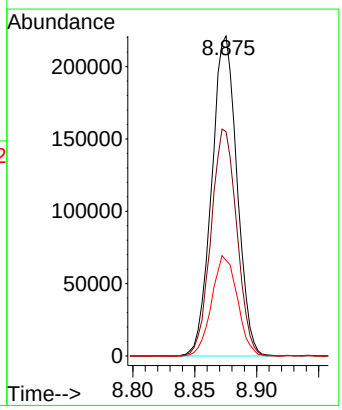
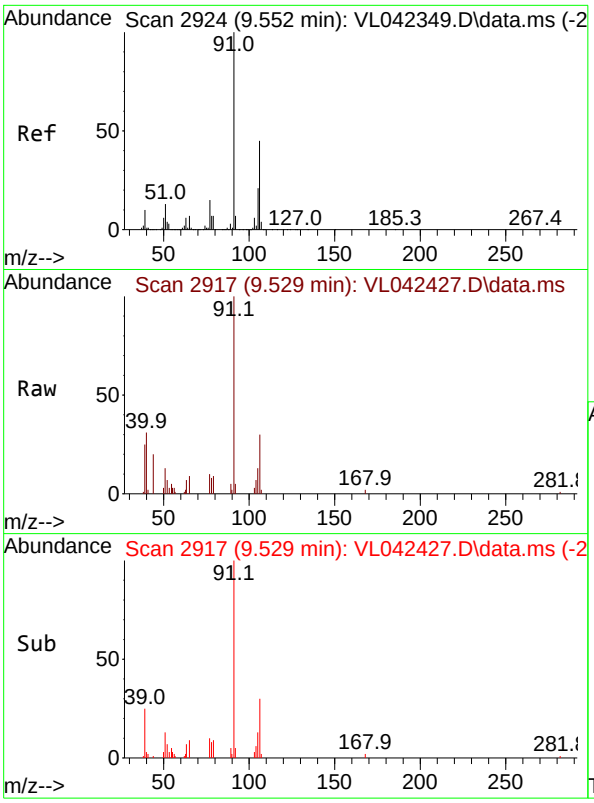


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:117 Resp: 315370

Ion	Ratio	Lower	Upper
117	100		
82	72.0	57.8	86.6
119	31.8	25.2	37.8





#59
m/p-Xylene
Concen: 0.144 ppbv m
RT: 9.529 min Scan# 2
Delta R.T. -0.023 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 91 Resp: 726

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

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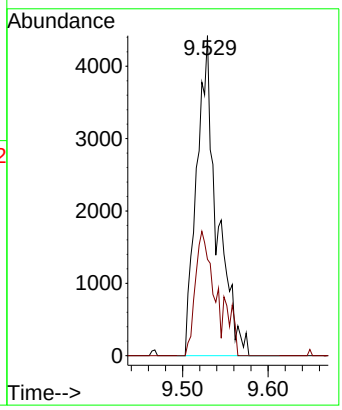
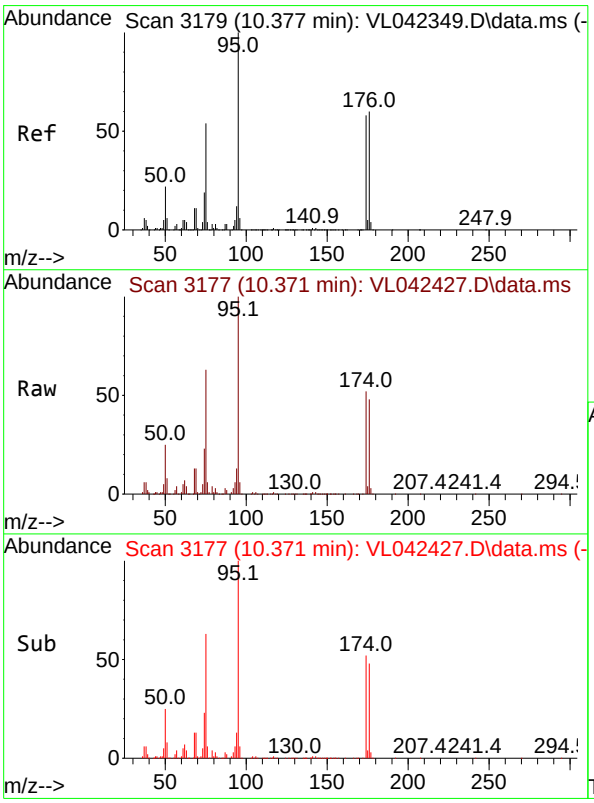
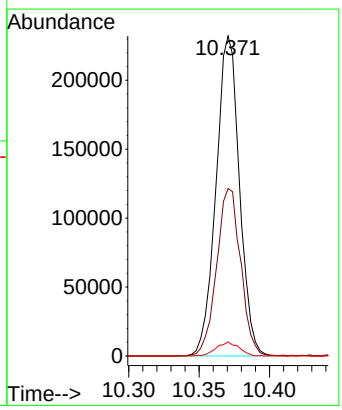




#68
1-Bromo-4-Fluorobenzene
Concen: 10.370 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 95 Resp: 268747

Ion	Ratio	Lower	Upper
95	100		
174	53.6	48.5	72.7
175	4.2	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P08-SC-SS01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042439.D	1		04/29/25 10:59	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.49	2.42	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.50	1.03	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30		0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	13.7	32.5		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.39	1.35	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	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	0.060	0.38		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.46	2.51		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.15	0.57	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	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:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P08-SC-SS01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042439.D	1		04/29/25 10:59	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.64	4.34		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.23	1.00	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.33	1.62	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.20	0.70	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	130000		2.793			
540-36-3	1,4-Difluorobenzene	348000		3.965			
3114-55-4	Chlorobenzene-d5	293000		8.888			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P08-SC-SS01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042439.D	1		04/29/25 10:59	VL042925

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\VL042925\
Data File : VL042439.D
Acq On : 29 Apr 2025 10:59
Operator : SY/MD
Sample : Q1880-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:18:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.793	49	129626	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	347550	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	293308	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	256098	10.625	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	11170	0.488	ppbv		95
3) Chlorodifluoromethane	1.473	51	3915m	0.180	ppbv		
11) Trichlorofluoromethane	1.881	101	5748m	0.264	ppbv		
13) Ethanol	1.725	45	58438	37.019	ppbv		76
15) Acetone	1.838	43	290876	13.708	ppbv		99
17) tert-Butyl alcohol	2.046	59	19996	0.760	ppbv		97
19) Isopropyl Alcohol	1.890	45	26482	2.247	ppbv	#	1
20) Methylene Chloride	2.068	84	3227	0.388	ppbv		85
23) Vinyl Acetate	2.460	43	20250	2.358	ppbv	#	86
26) Hexane	2.832	57	4209m	0.199	ppbv		
32) 1,1,1-Trichloroethane	3.376	97	15446	0.458	ppbv		91
34) 2-Butanone	2.567	43	35126	1.278	ppbv		97
35) Carbon Tetrachloride	3.771	117	1766m	0.056	ppbv		
52) Tetrachloroethene	8.234	164	9248m	0.638	ppbv		
53) Toluene	6.936	91	6673m	0.148	ppbv		
59) m/p-Xylene	9.532	91	10973m	0.234	ppbv		
60) o-Xylene	9.966	91	4784	0.101	ppbv		97
74) 1,2,4-Trimethylbenzene	11.539	105	19318	0.325	ppbv	#	63

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042439.D
Acq On : 29 Apr 2025 10:59
Operator : SY/MD
Sample : Q1880-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:18:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations APPROVED

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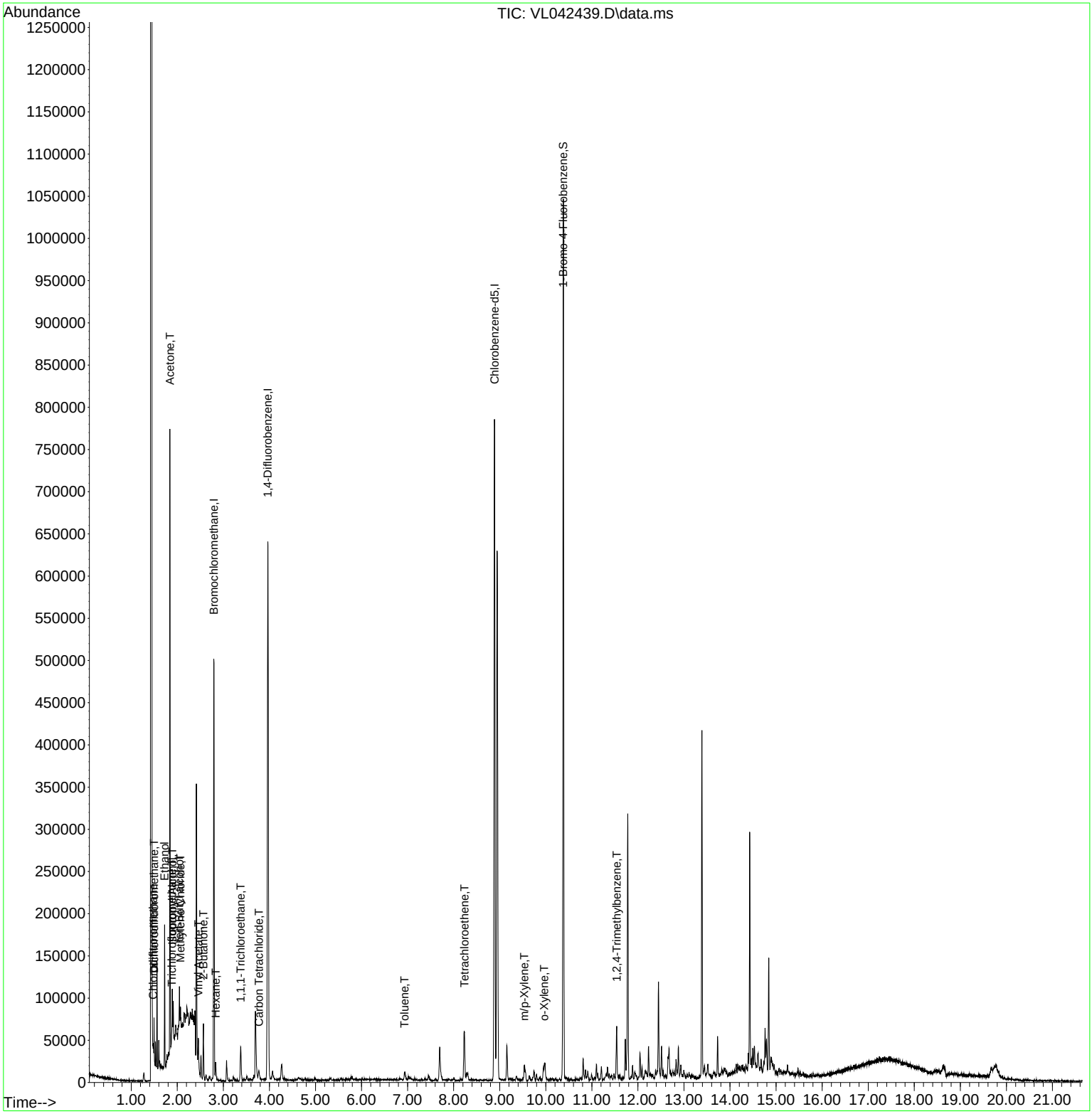
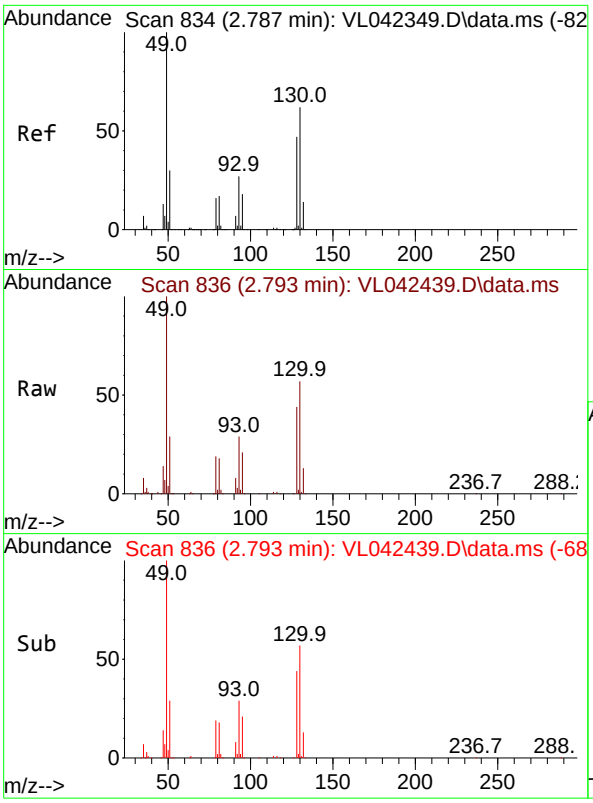
Supervised By :Mahesh Dadoda 04/30/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 49 Resp: 12962

Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.8	68.4
130	58.4	29.3	88.0

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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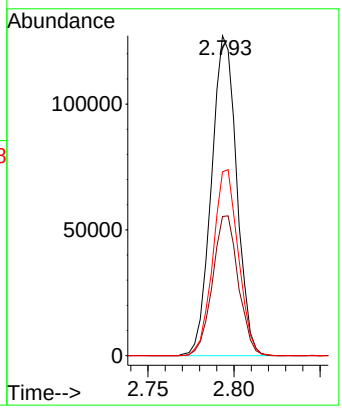
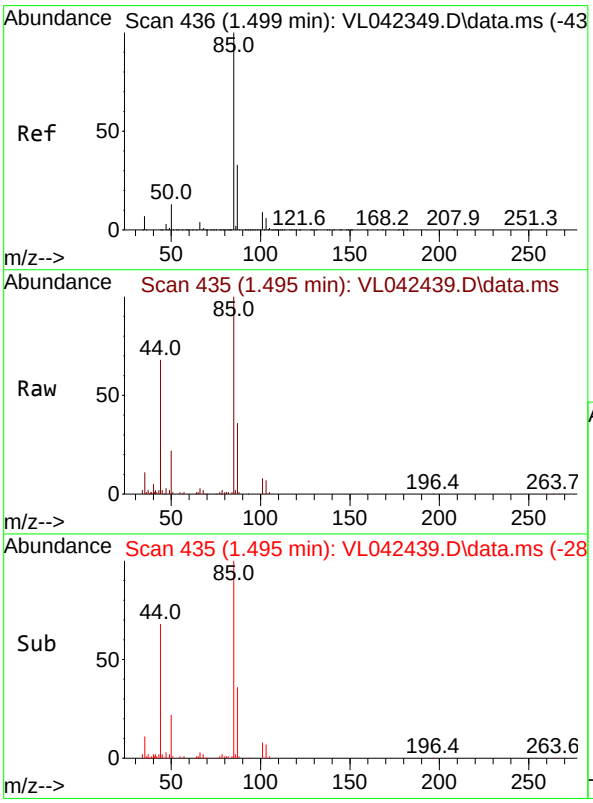
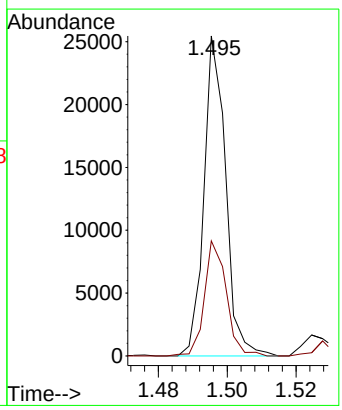


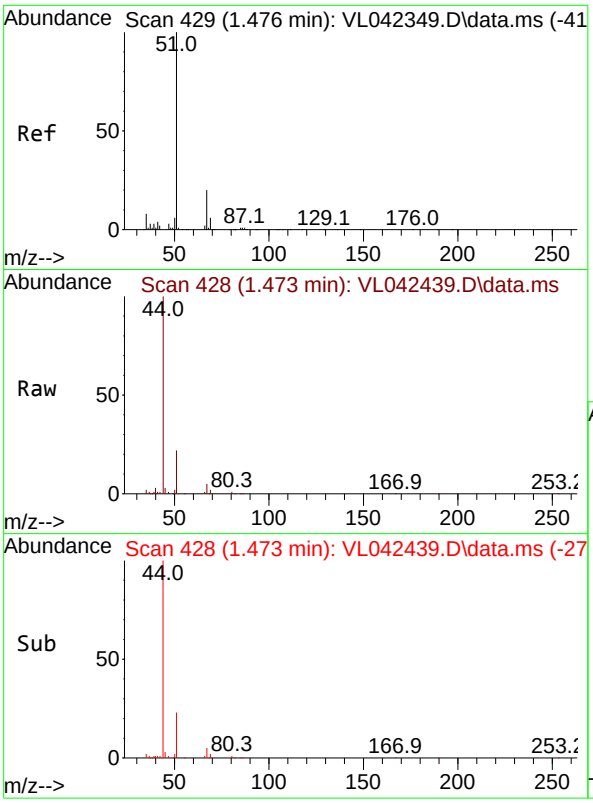


#2
Dichlorodifluoromethane
Concen: 0.488 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 85 Resp: 11170

Ion	Ratio	Lower	Upper
85	100		
87	36.0	26.6	39.8

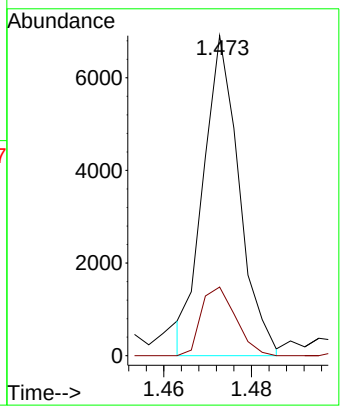




#3
Chlorodifluoromethane
Concen: 0.180 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 51 Resp: 391

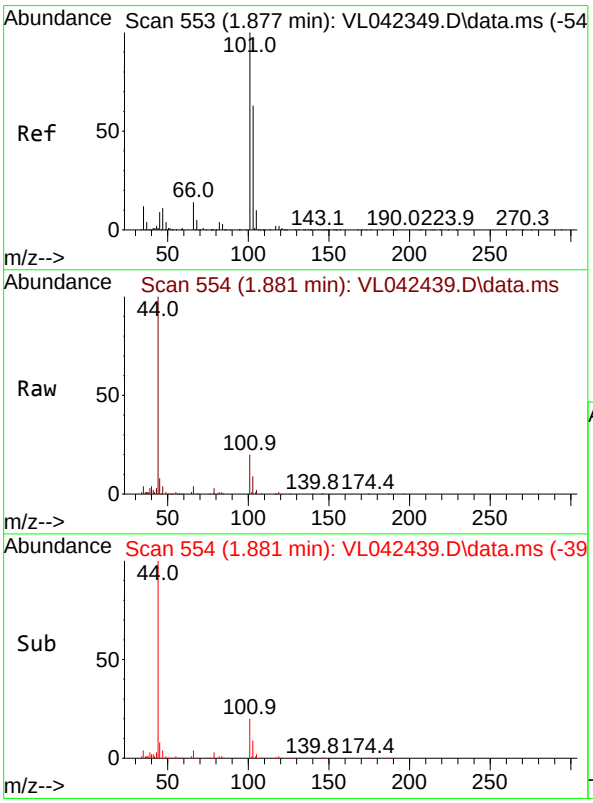
Ion	Ratio	Lower	Upper
51	100		
67	21.7	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
APPROVED

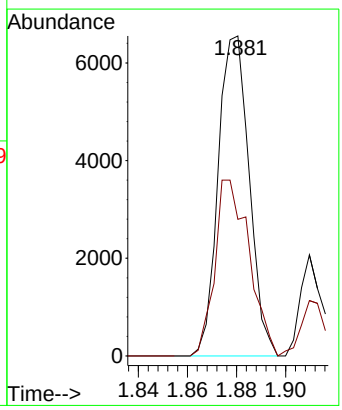
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

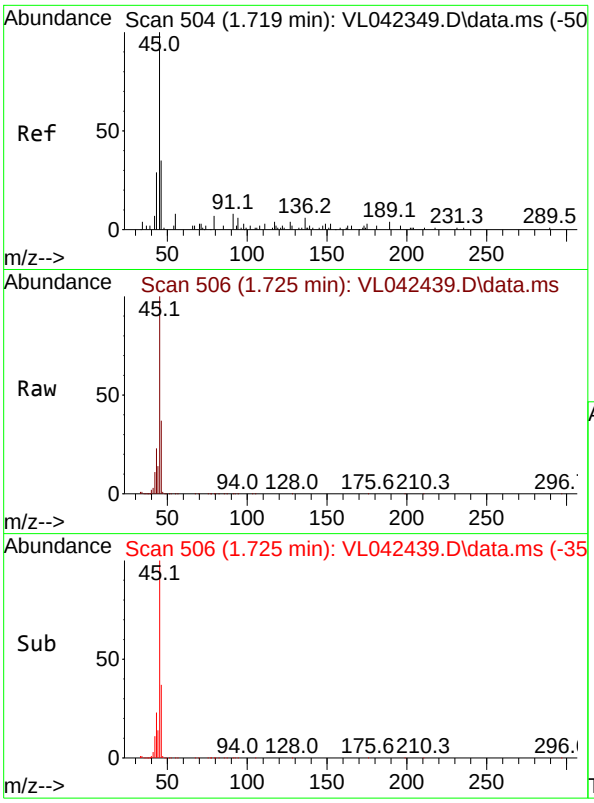


#11
Trichlorofluoromethane
Concen: 0.264 ppbv m
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:101 Resp: 5748

Ion	Ratio	Lower	Upper
101	100		
103	42.7	50.1	75.1#

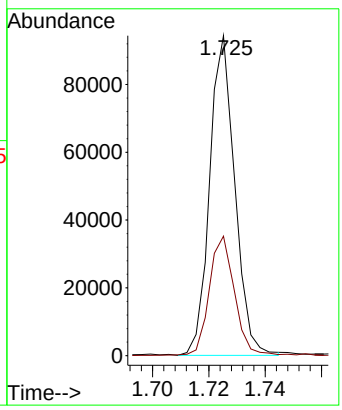




#13
Ethanol
Concen: 37.019 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 45 Resp: 5843

Ion	Ratio	Lower	Upper
45	100		
46	37.5	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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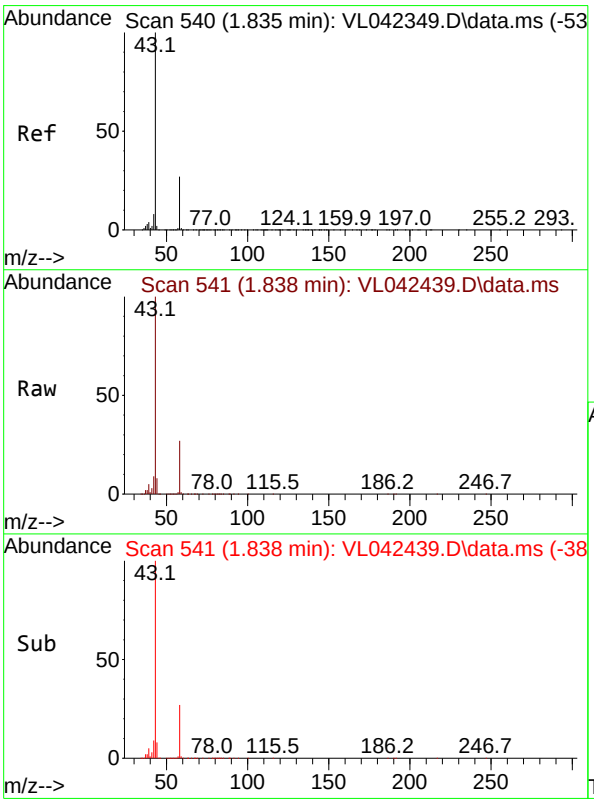
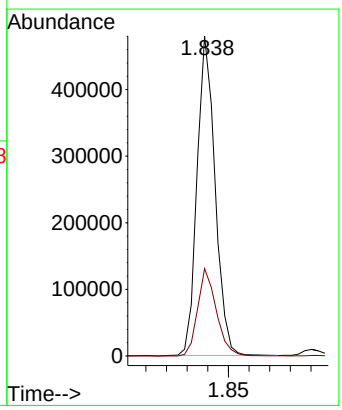
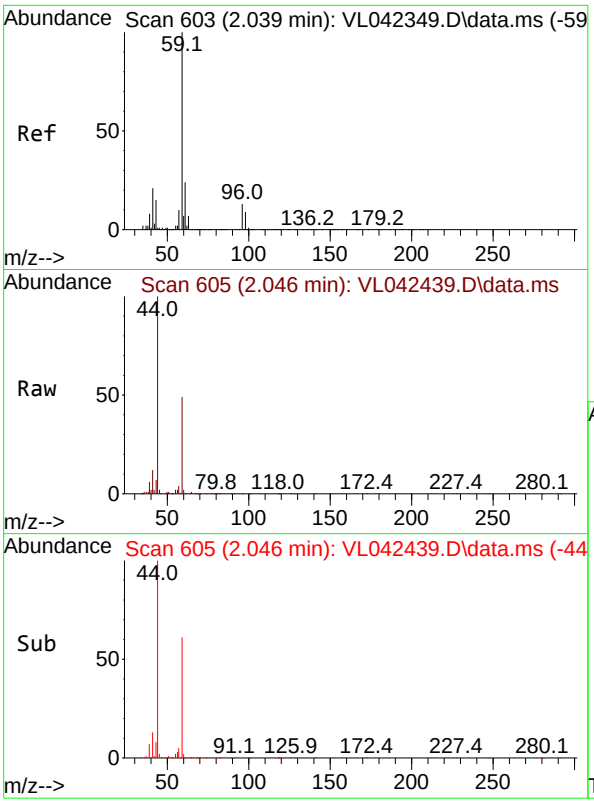


#15
Acetone
Concen: 13.708 ppbv
RT: 1.838 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 43 Resp: 290876

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6

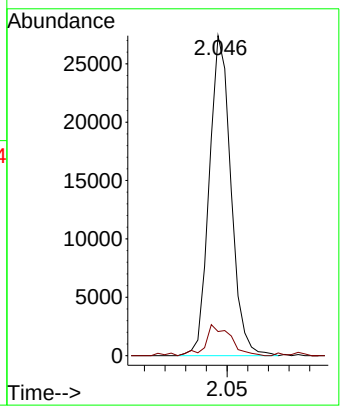




#17
tert-Butyl alcohol
Concen: 0.760 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 59 Resp: 1999

Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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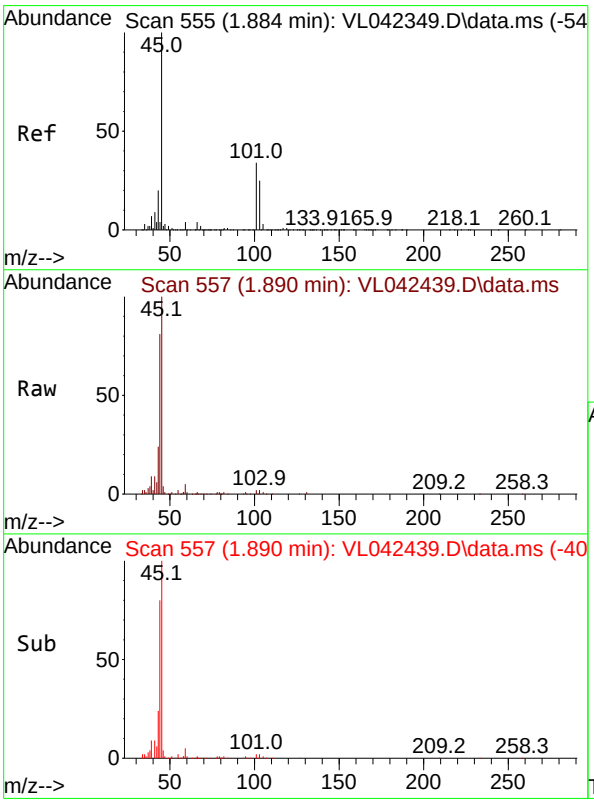
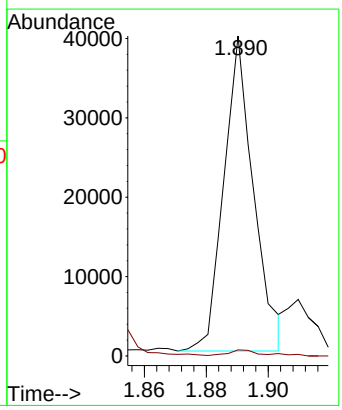
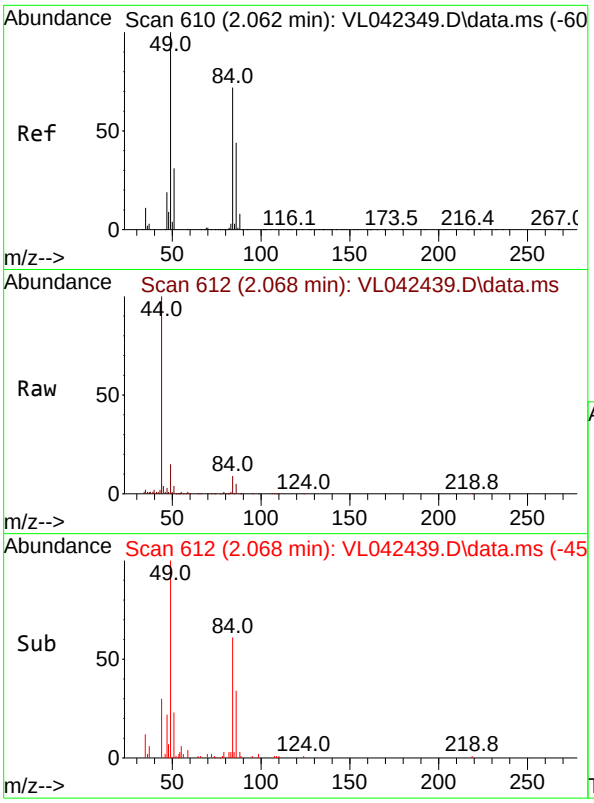


#19
Isopropyl Alcohol
Concen: 2.247 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 45 Resp: 26482

Ion	Ratio	Lower	Upper
45	100		
58	312.1	34.5	51.7#

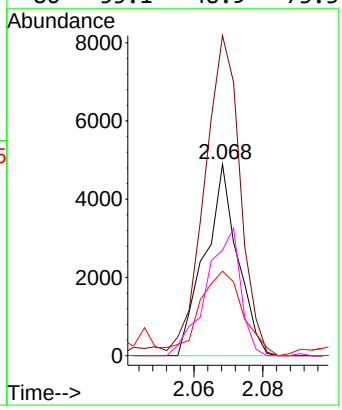




#20
Methylene Chloride
Concen: 0.388 ppbv
RT: 2.068 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 84 Resp: 322

Ion	Ratio	Lower	Upper
84	100		
49	167.2	111.6	167.4
51	44.1	35.1	52.7
86	55.1	48.9	73.3



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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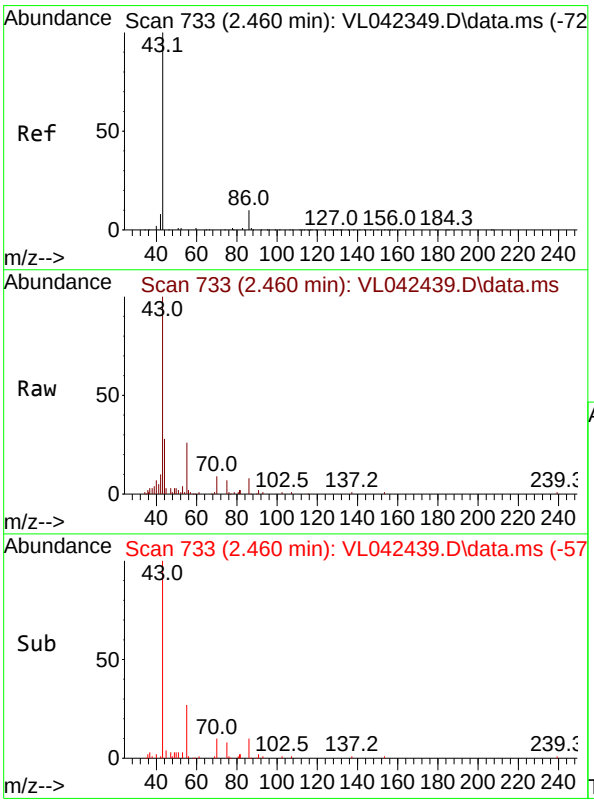
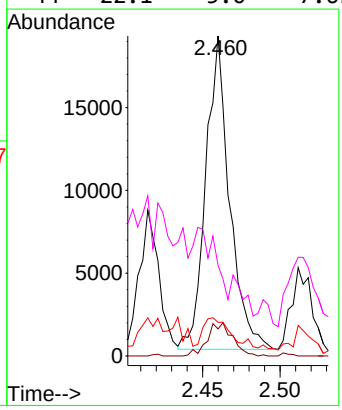
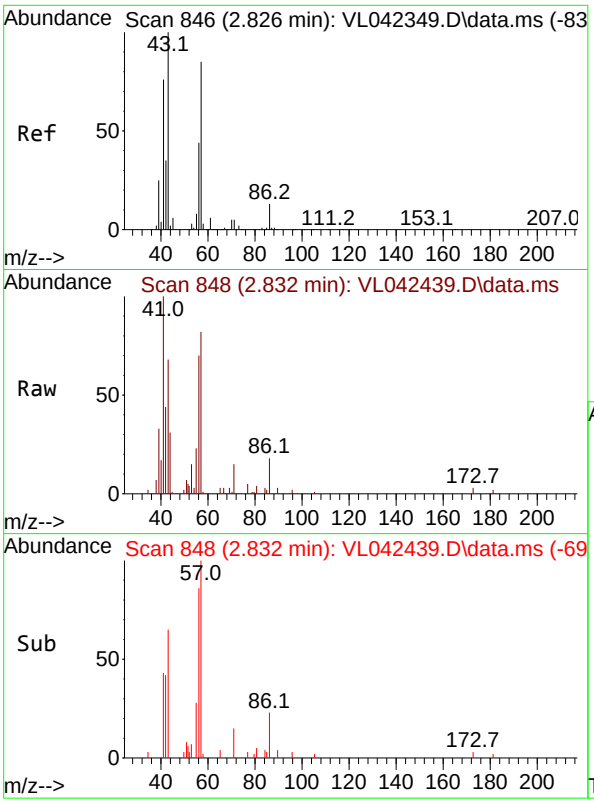


#23
Vinyl Acetate
Concen: 2.358 ppbv
RT: 2.460 min Scan# 733
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 43 Resp: 20250

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.5	9.7
42	8.8	7.8	11.8
44	22.1	5.0	7.6#

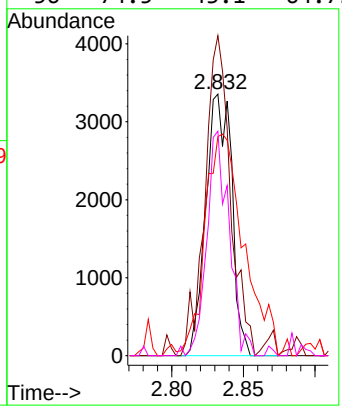




#26
Hexane
Concen: 0.199 ppbv m
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 57 Resp: 420

Ion	Ratio	Lower	Upper
57	100		
41	128.3	77.9	116.9#
43	0.0	208.4	312.6#
56	74.5	43.1	64.7#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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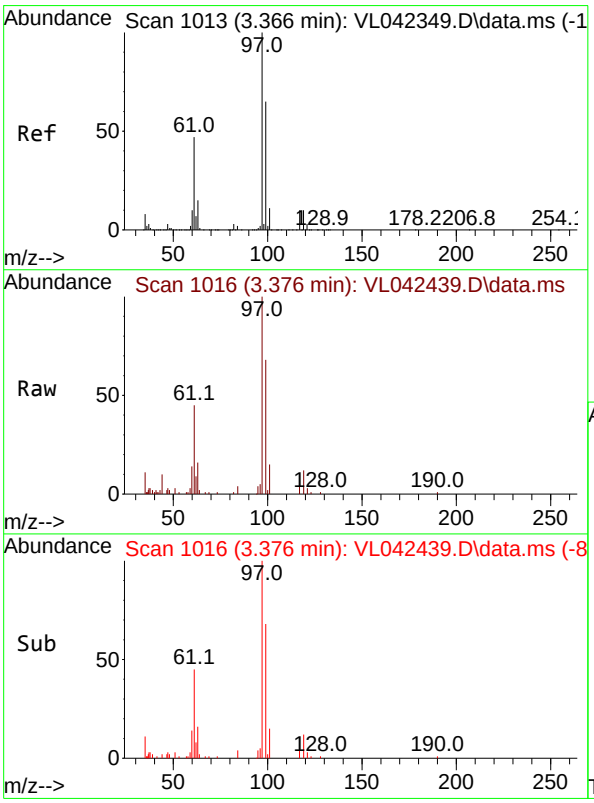
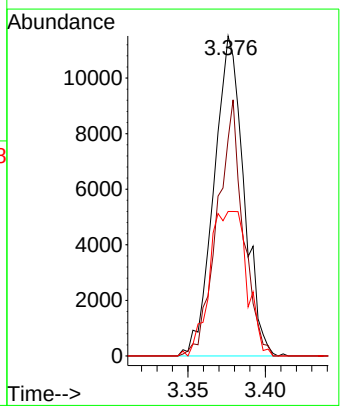
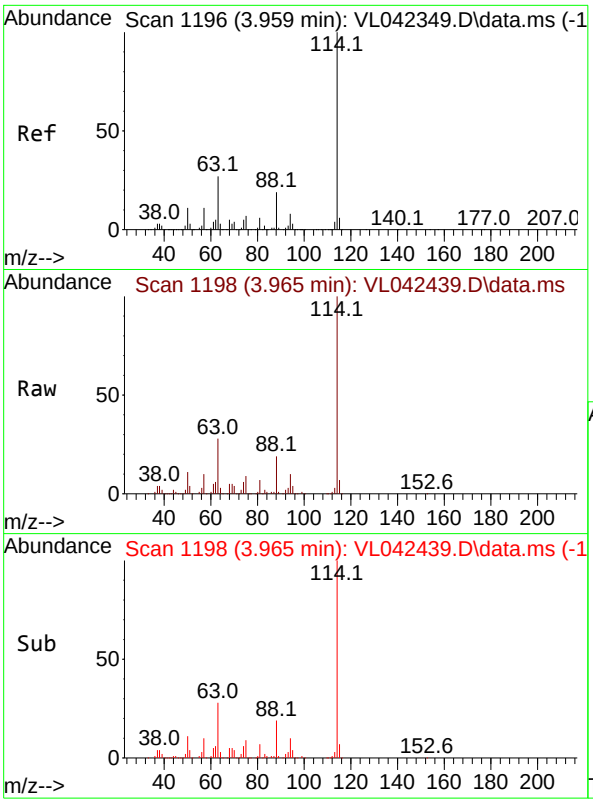


#32
1,1,1-Trichloroethane
Concen: 0.458 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 97 Resp: 15446

Ion	Ratio	Lower	Upper
97	100		
99	69.7	51.0	76.4
61	56.4	38.8	58.2

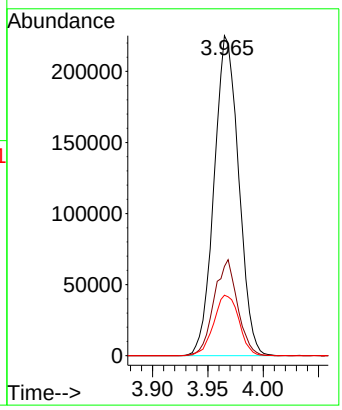




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:114 Resp: 34755

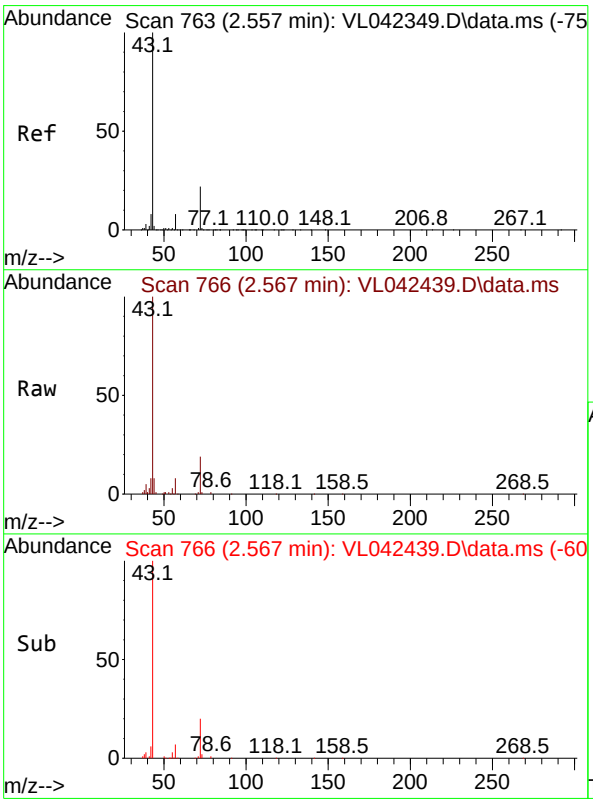
Ion	Ratio	Lower	Upper
114	100		
63	28.8	21.8	32.6
88	19.5	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
APPROVED

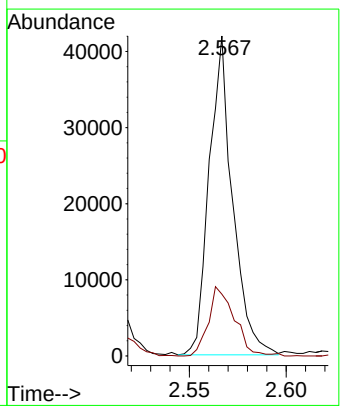
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

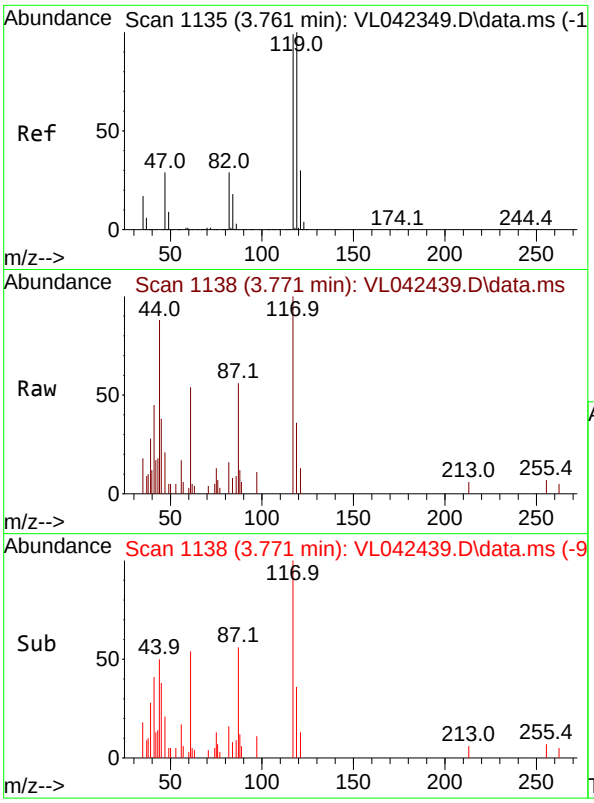


#34
2-Butanone
Concen: 1.278 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 43 Resp: 35126

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.2	27.2

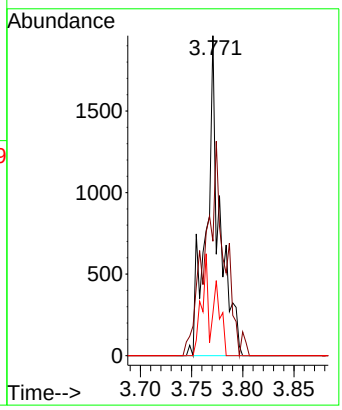




#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 3.771 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:117 Resp: 176

Ion	Ratio	Lower	Upper
117	100		
119	35.7	80.5	120.7#
121	13.3	24.2	36.2#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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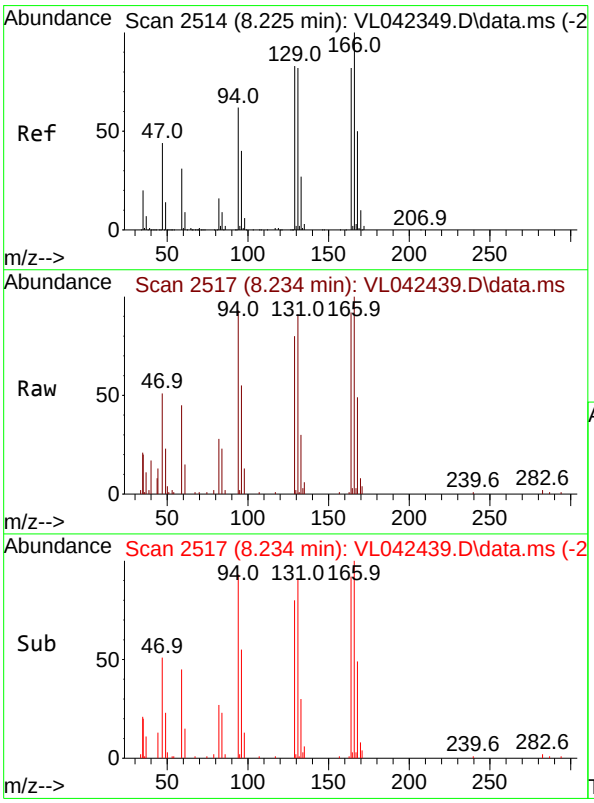
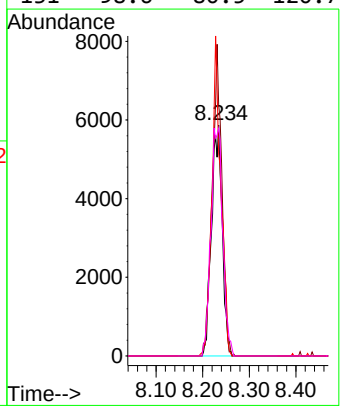
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

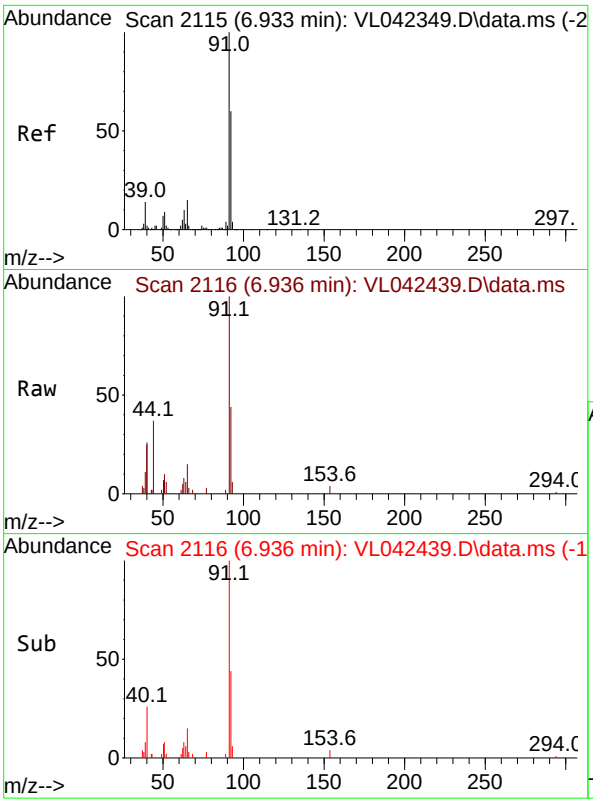


#52
Tetrachloroethene
Concen: 0.638 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:164 Resp: 9248

Ion	Ratio	Lower	Upper
164	100		
166	108.6	98.2	147.2
129	87.4	81.8	122.8
131	98.6	80.5	120.7

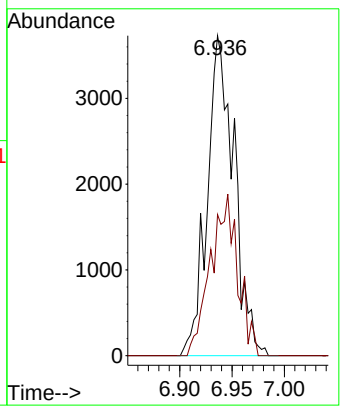




#53
Toluene
Concen: 0.148 ppbv m
RT: 6.936 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 91 Resp: 667

Ion	Ratio	Lower	Upper
91	100		
92	51.0	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

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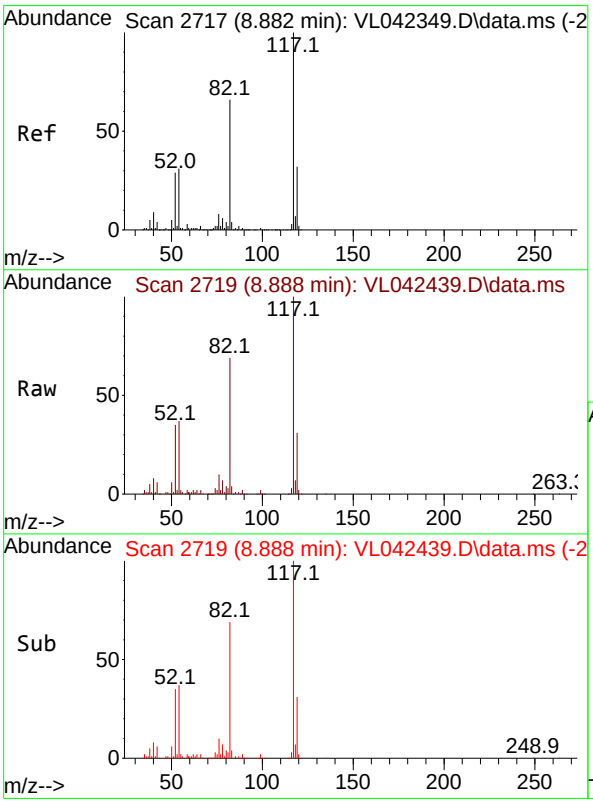
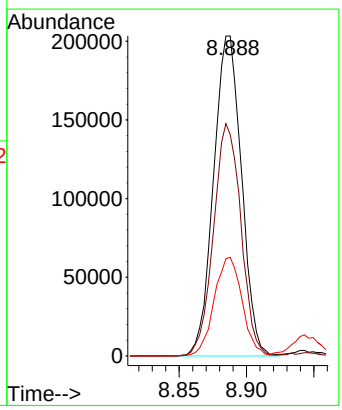
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

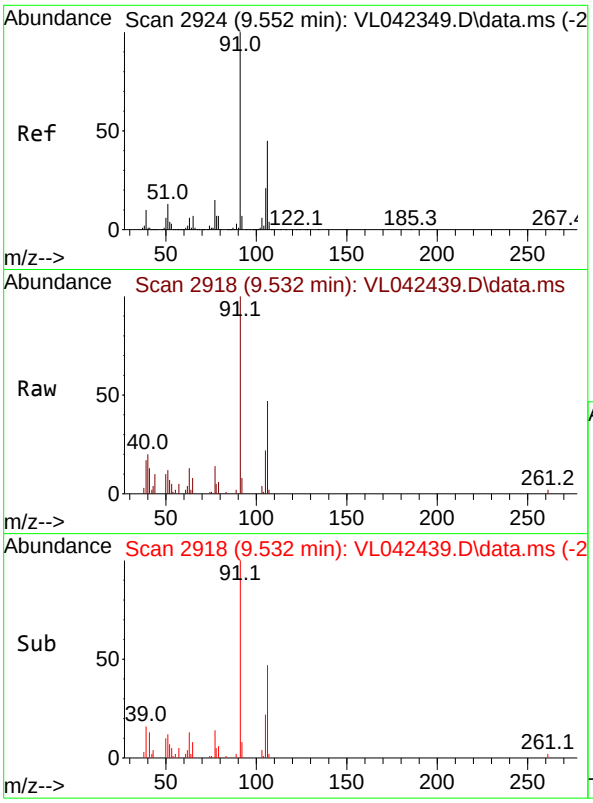


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:117 Resp: 293308

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.8	86.6
119	30.9	25.2	37.8





#59
m/p-Xylene
Concen: 0.234 ppbv m
RT: 9.532 min Scan# 2
Delta R.T. -0.020 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 91 Resp: 1097

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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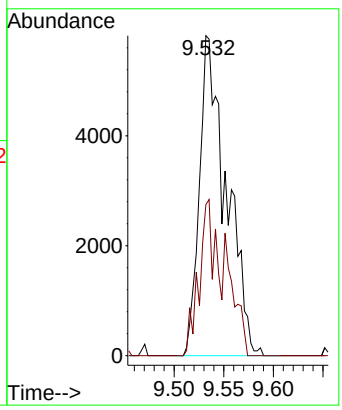
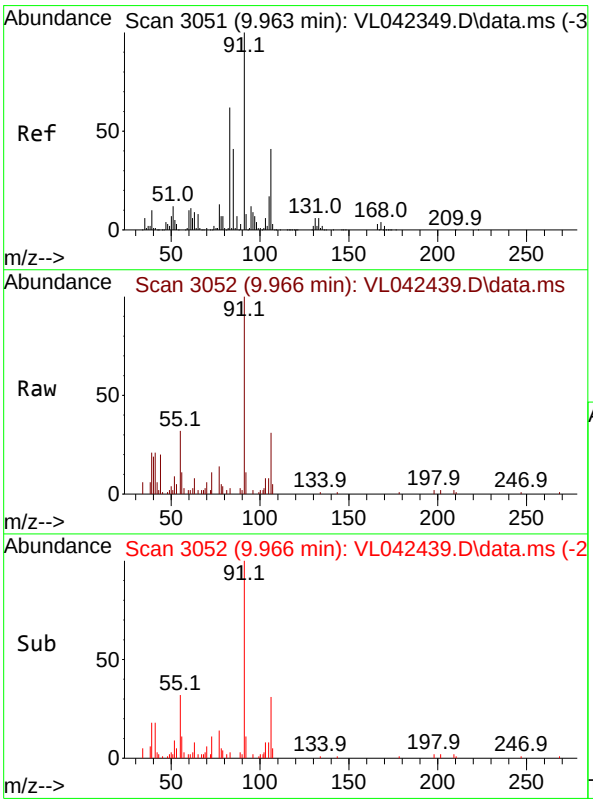
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

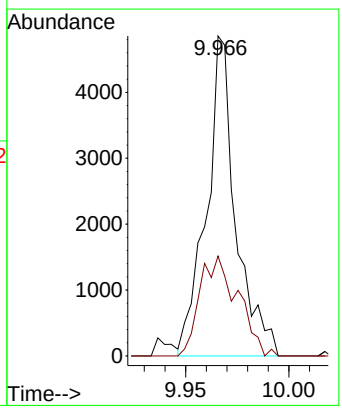


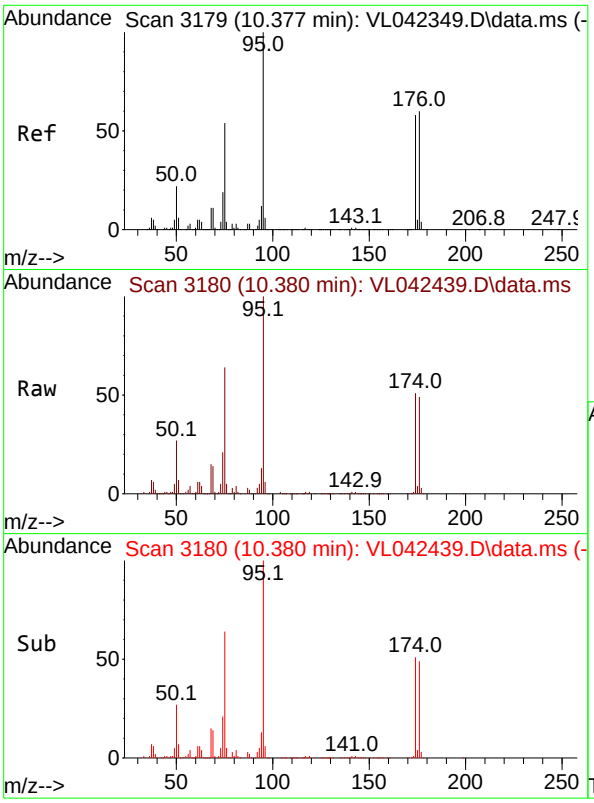


#60
o-Xylene
Concen: 0.101 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 91 Resp: 4784

Ion	Ratio	Lower	Upper
91	100		
106	40.7	21.1	63.4

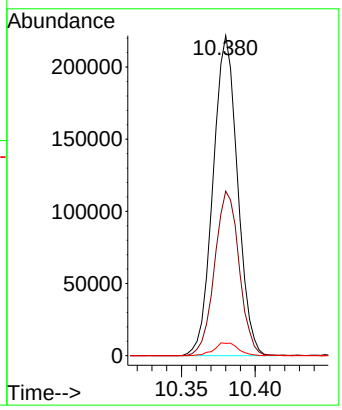




#68
1-Bromo-4-Fluorobenzene
Concen: 10.625 ppbv
RT: 10.380 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 95 Resp: 25609

Ion	Ratio	Lower	Upper
95	100		
174	51.6	48.5	72.7
175	4.0	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Manual Integrations
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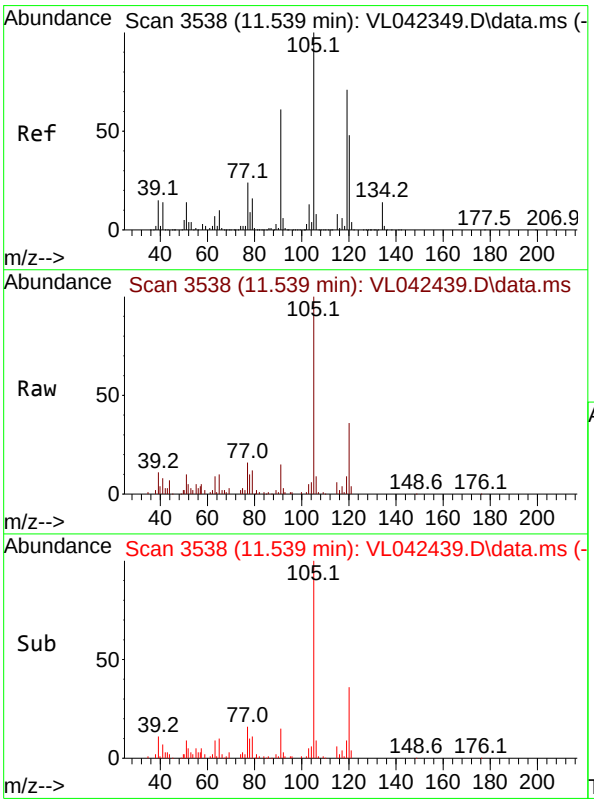
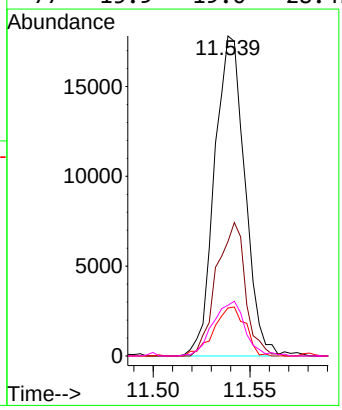
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.325 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:105 Resp: 19318

Ion	Ratio	Lower	Upper
105	100		
120	35.8	38.1	57.1#
91	15.0	48.8	73.2#
77	15.9	19.0	28.4#



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-SC-SS-DUP01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042447.D	1		04/29/25 15:24	VL042925

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	0.50	1.03	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.21	0.62	J	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.25	1.40	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.54	1.64		0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	11.2	26.6		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.51	1.77		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.61	1.80		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.37	2.02		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.14	0.53	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-SC-SS-DUP01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042447.D	1		04/29/25 15:24	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.45	3.05		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.26	0.92	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	11.2			65 - 135	112%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	116000		2.797			
540-36-3	1,4-Difluorobenzene	311000		3.975			
3114-55-4	Chlorobenzene-d5	265000		8.891			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/22/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-SC-SS-DUP01-20250421	SDG No.:	Q1880
Lab Sample ID:	Q1880-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042447.D	1		04/29/25 15:24	VL042925

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\VL042925\
Data File : VL042447.D
Acq On : 29 Apr 2025 15:24
Operator : SY/MD
Sample : Q1880-05
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 30 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	115955	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	311045	10.000	ppbv		0.02
55) Chlorobenzene-d5	8.891	117	264660	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	244219	11.229	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	10985	0.536	ppbv		89
3) Chlorodifluoromethane	1.476	51	4048m	0.207	ppbv		
9) Propene	1.486	41	3214	0.362	ppbv		88
11) Trichlorofluoromethane	1.884	101	4775m	0.245	ppbv		
13) Ethanol	1.725	45	55964	39.631	ppbv		76
15) Acetone	1.842	43	213041	11.223	ppbv		100
17) tert-Butyl alcohol	2.049	59	12602	0.536	ppbv	#	87
20) Methylene Chloride	2.072	84	3817	0.513	ppbv		90
26) Hexane	2.832	57	4823	0.255	ppbv	#	37
32) 1,1,1-Trichloroethane	3.379	97	11120	0.369	ppbv		96
34) 2-Butanone	2.570	43	14964	0.608	ppbv		100
35) Carbon Tetrachloride	3.777	117	1703m	0.060	ppbv		
41) Tetrahydrofuran	3.078	42	2988	0.208	ppbv	#	82
52) Tetrachloroethene	8.234	164	5799m	0.447	ppbv		
53) Toluene	6.952	91	5416m	0.135	ppbv		
59) m/p-Xylene	9.539	91	8844m	0.209	ppbv		

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042447.D
Acq On : 29 Apr 2025 15:24
Operator : SY/MD
Sample : Q1880-05
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 30 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
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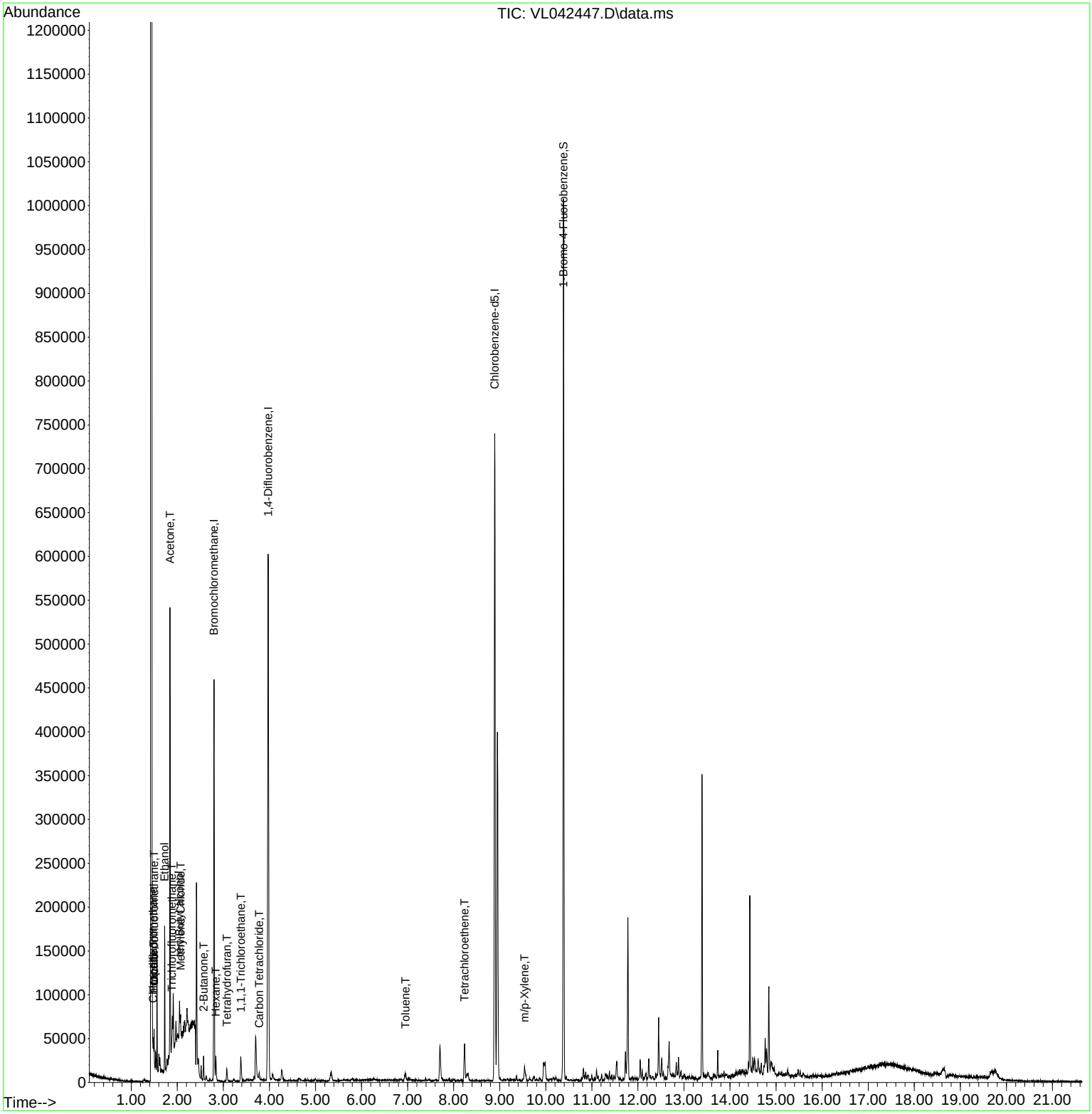

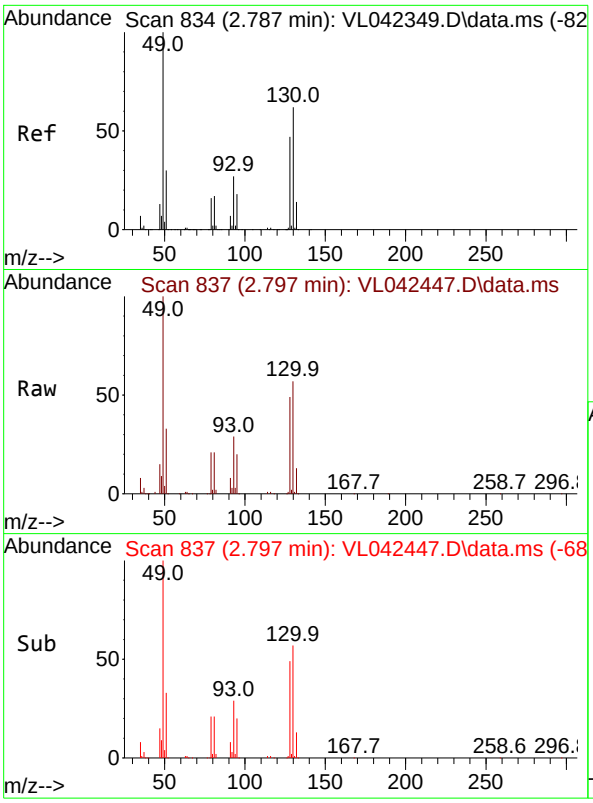

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 49 Resp: 11595

Ion	Ratio	Lower	Upper
49	100		
128	46.7	22.8	68.4
130	57.1	29.3	88.0

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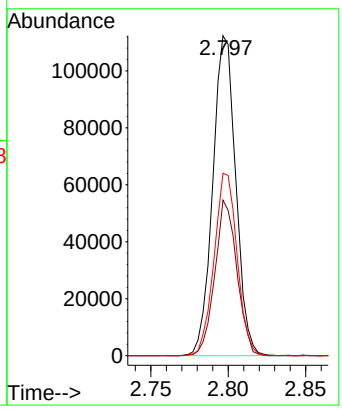
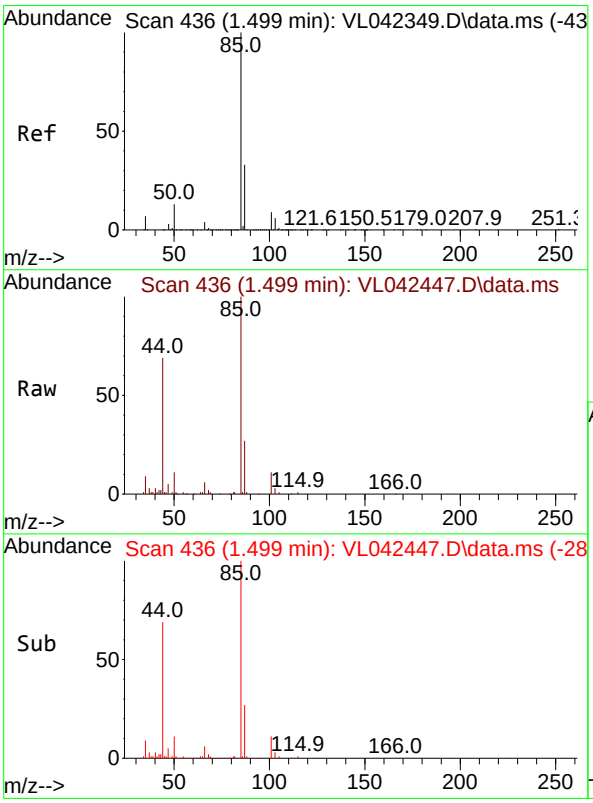
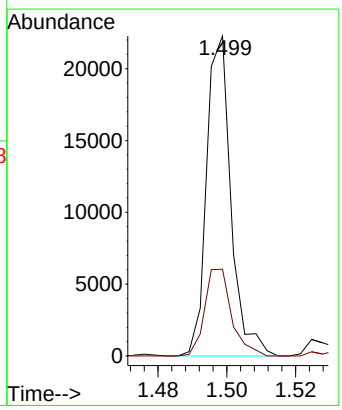


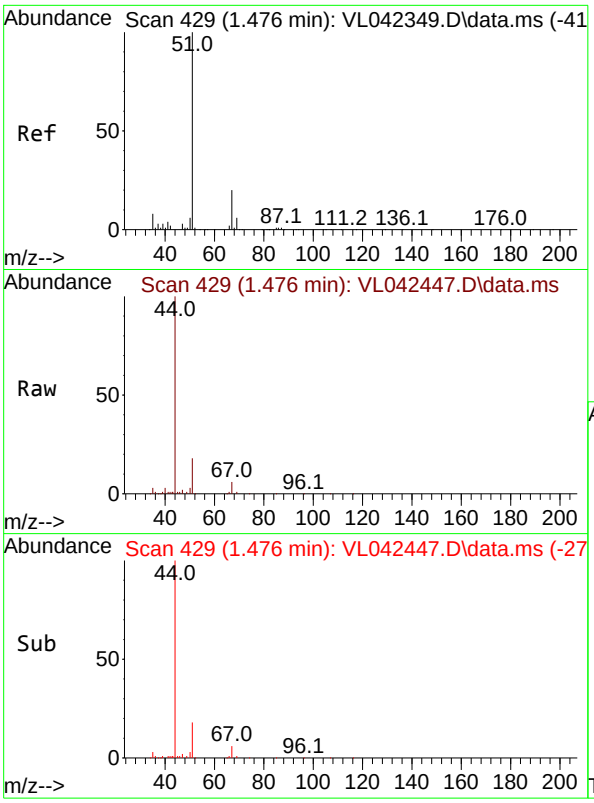


#2
Dichlorodifluoromethane
Concen: 0.536 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 85 Resp: 10985

Ion	Ratio	Lower	Upper
85	100		
87	27.1	26.6	39.8

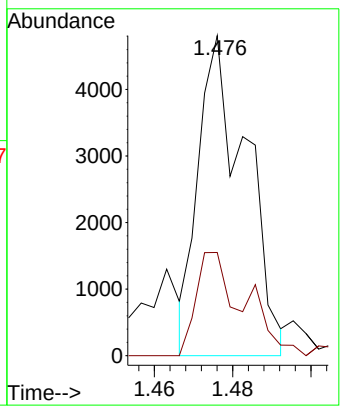




#3
Chlorodifluoromethane
Concen: 0.207 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 51 Resp: 404

Ion	Ratio	Lower	Upper
51	100		
67	35.1	16.2	24.4



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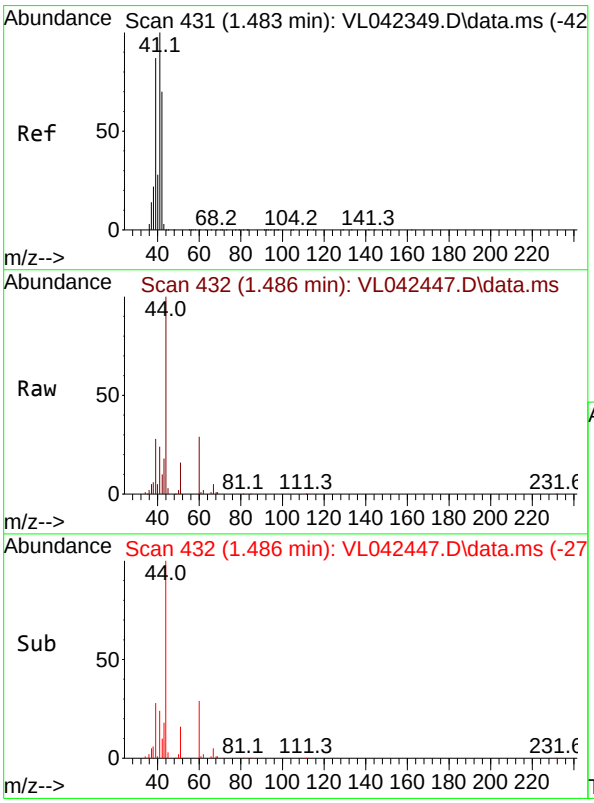
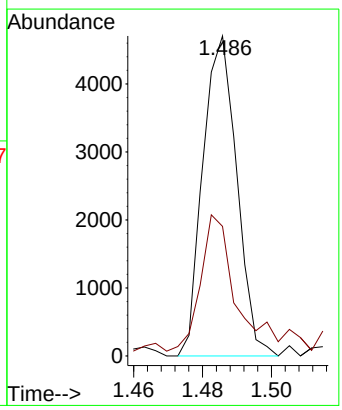
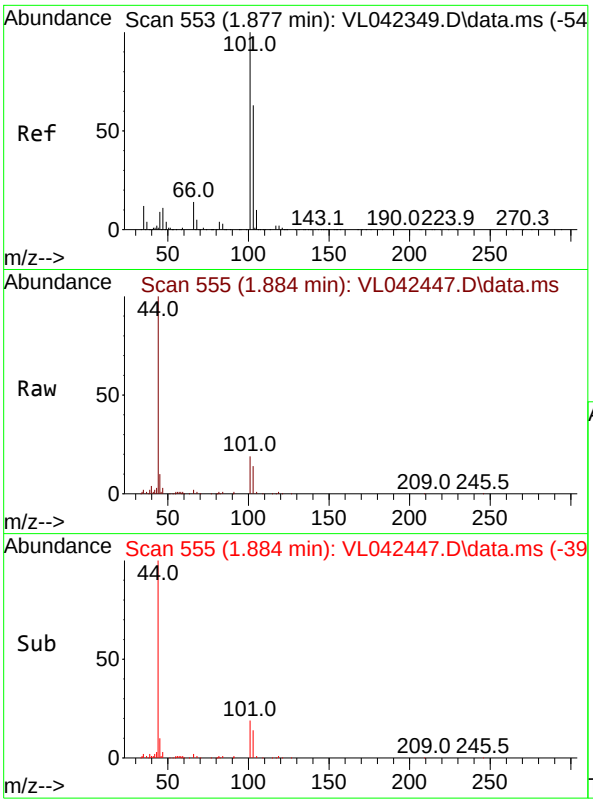


#9
Propene
Concen: 0.362 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 41 Resp: 3214

Ion	Ratio	Lower	Upper
41	100		
42	60.1	56.2	84.4





#11
Trichlorofluoromethane
Concen: 0.245 ppbv m
RT: 1.884 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:101 Resp: 477

Ion	Ratio	Lower	Upper
101	100		
103	76.3	50.1	75.1

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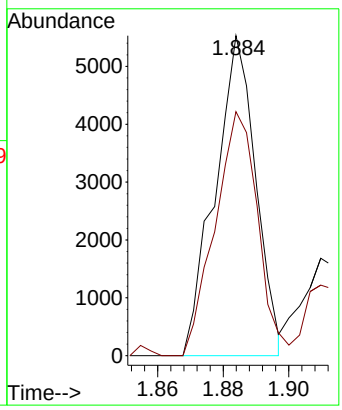
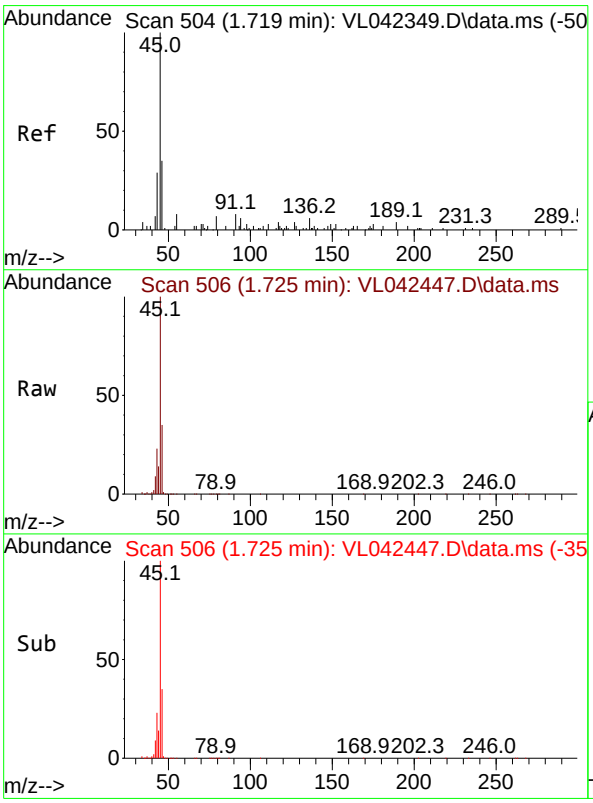
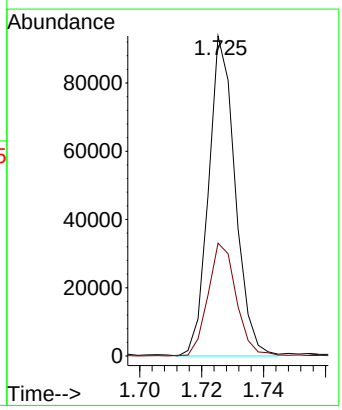


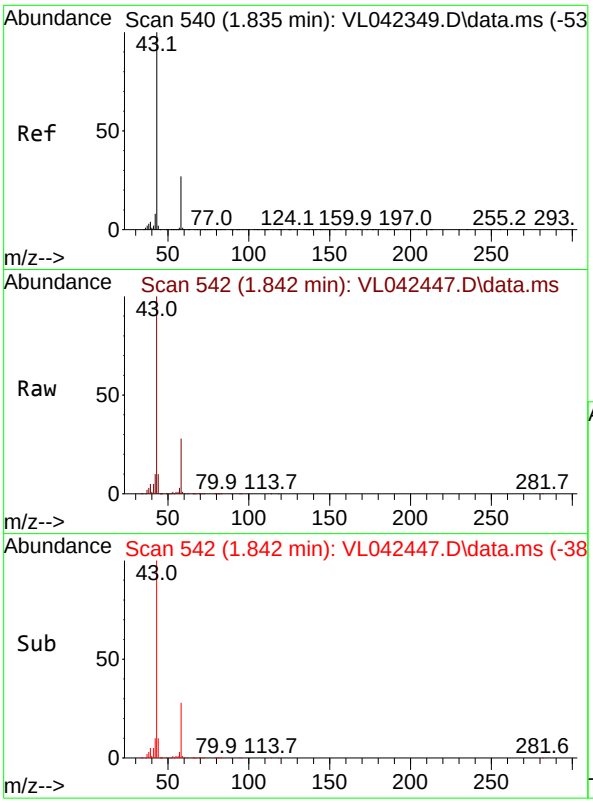


#13
Ethanol
Concen: 39.631 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 45 Resp: 55964

Ion	Ratio	Lower	Upper
45	100		
46	37.7	21.9	87.7

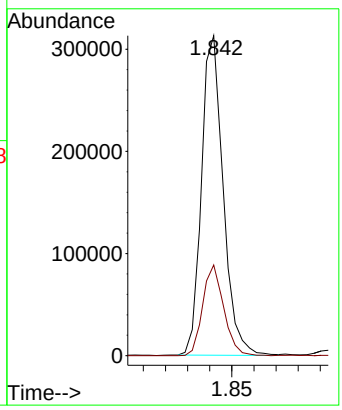




#15
Acetone
Concen: 11.223 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 43 Resp: 21304

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.4	33.6



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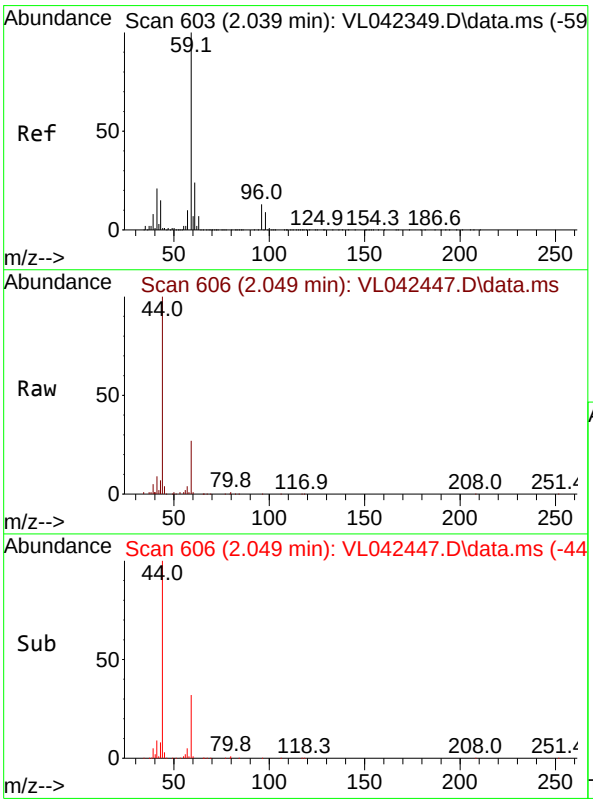
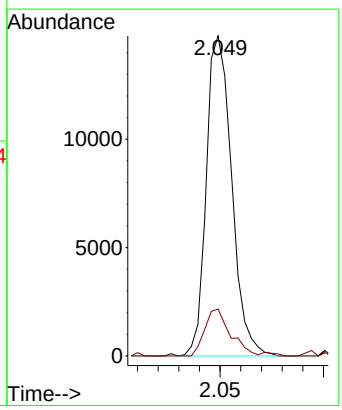
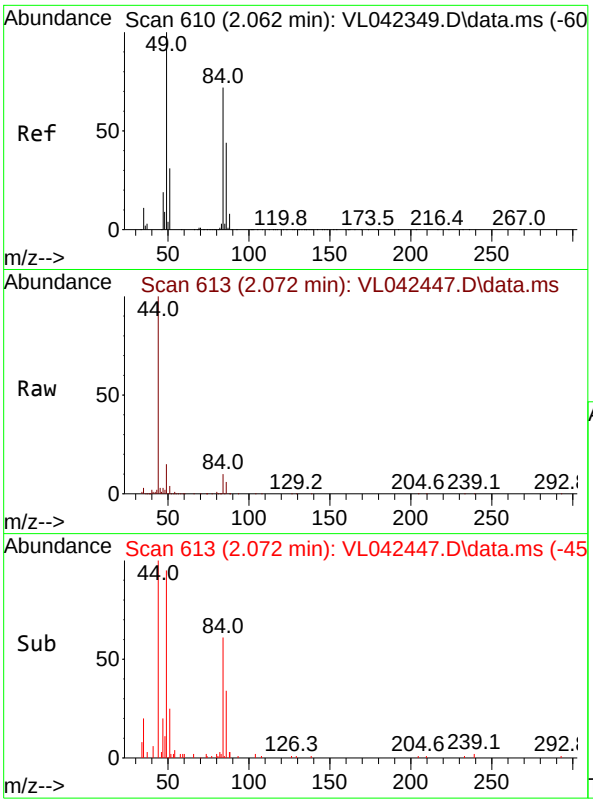


#17
tert-Butyl alcohol
Concen: 0.536 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 59 Resp: 12602

Ion	Ratio	Lower	Upper
59	100		
57	16.0	8.7	13.1#

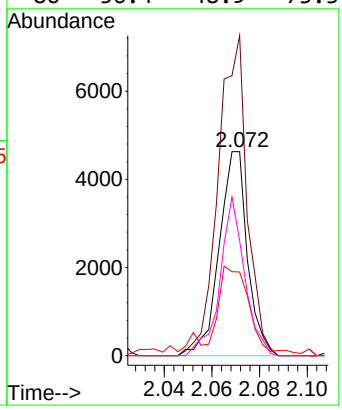




#20
Methylene Chloride
Concen: 0.513 ppbv
RT: 2.072 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 84 Resp: 381

Ion	Ratio	Lower	Upper
84	100		
49	156.8	111.6	167.4
51	41.7	35.1	52.7
86	56.4	48.9	73.3



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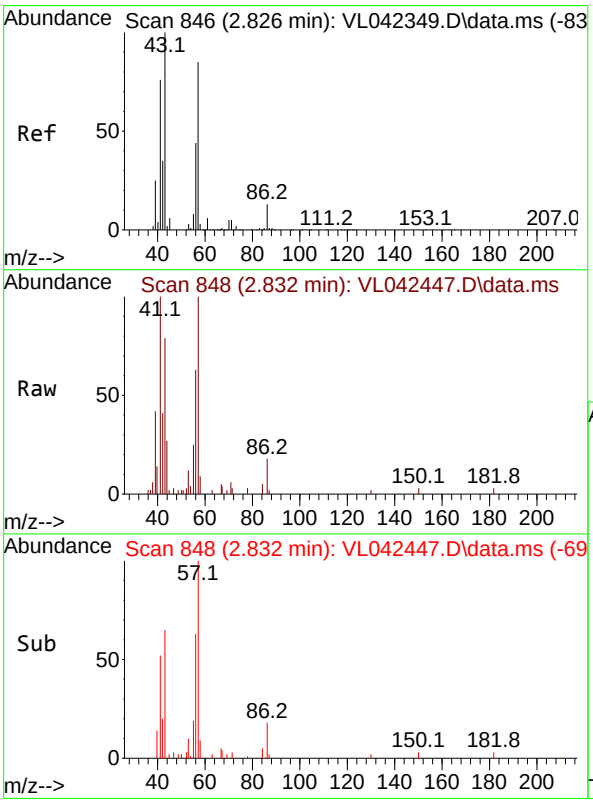
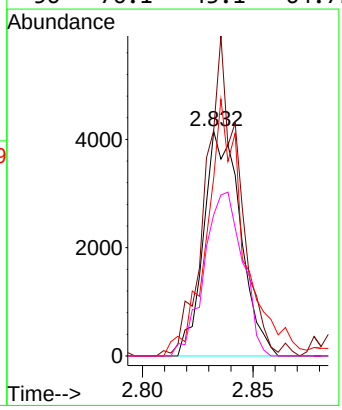
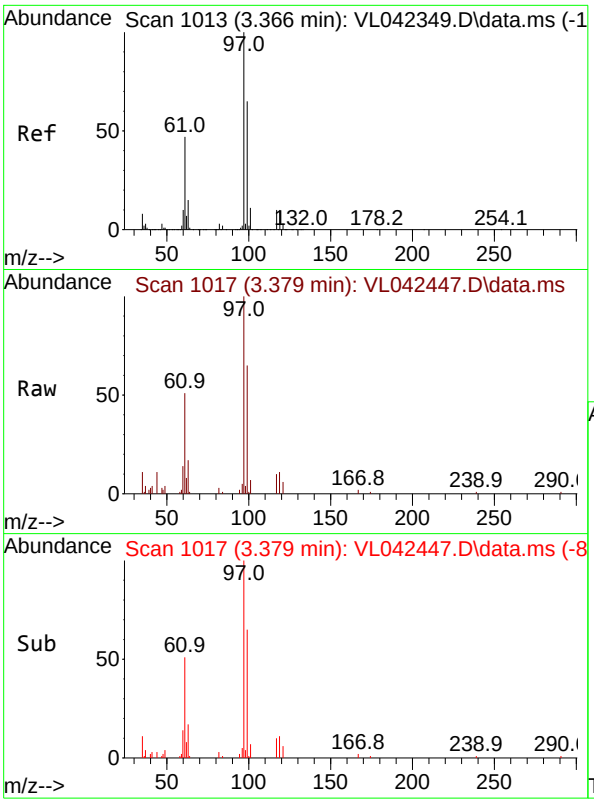


#26
Hexane
Concen: 0.255 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 57 Resp: 4823

Ion	Ratio	Lower	Upper
57	100		
41	129.6	77.9	116.9#
43	116.2	208.4	312.6#
56	76.1	43.1	64.7#

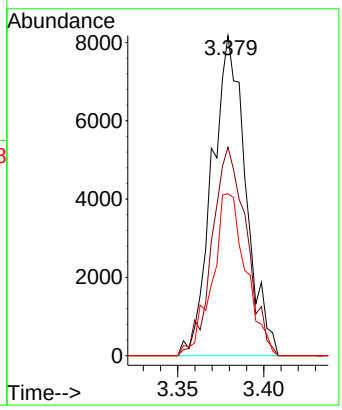




#32
1,1,1-Trichloroethane
Concen: 0.369 ppbv
RT: 3.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 97 Resp: 1112

Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.0	76.4
61	50.8	38.8	58.2



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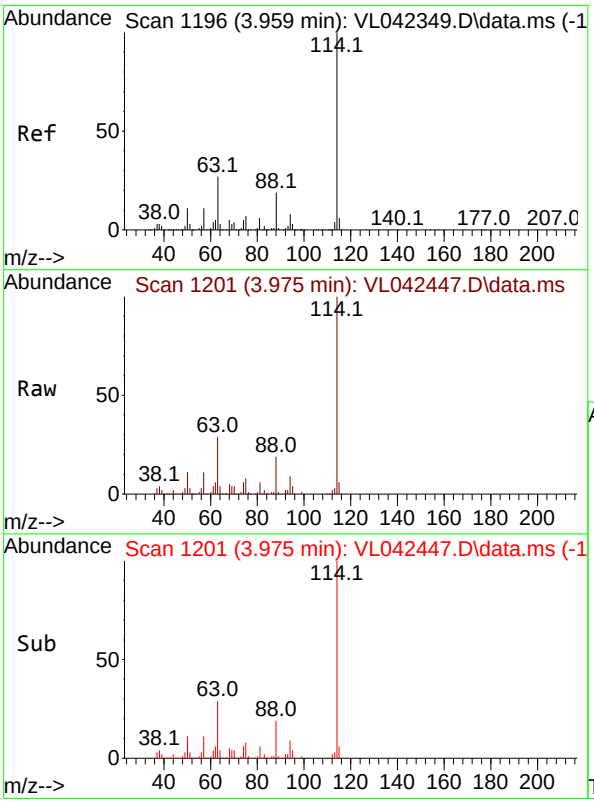
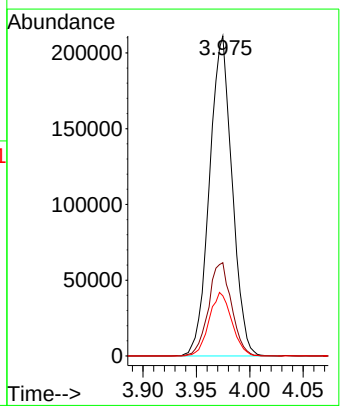
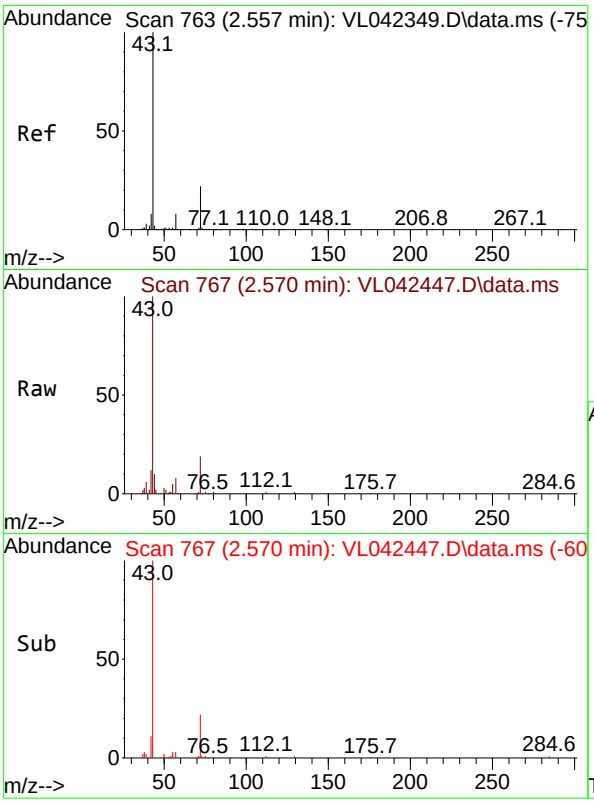


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.016 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:114 Resp: 311045

Ion	Ratio	Lower	Upper
114	100		
63	29.7	21.8	32.6
88	19.9	15.5	23.3

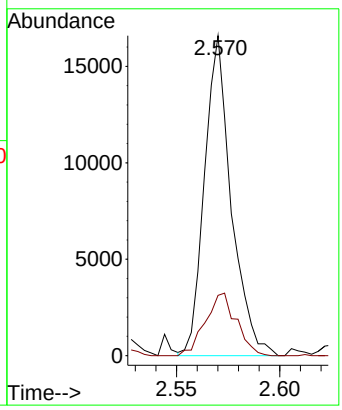




#34
2-Butanone
Concen: 0.608 ppbv
RT: 2.570 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 43 Resp: 1496

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2



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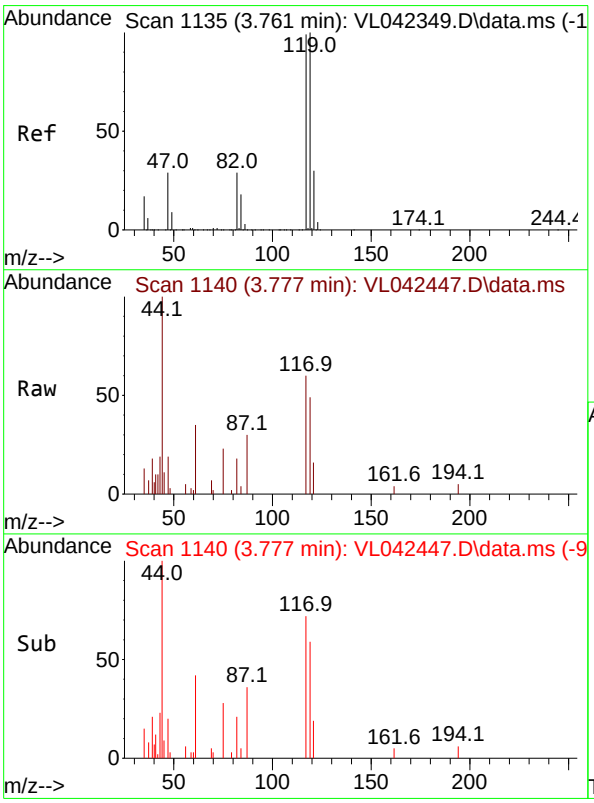
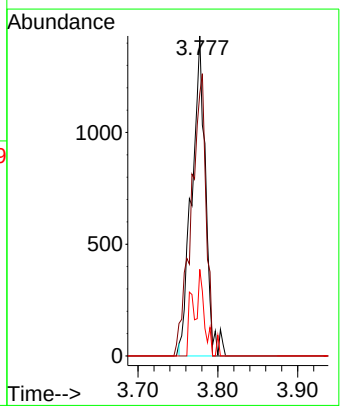
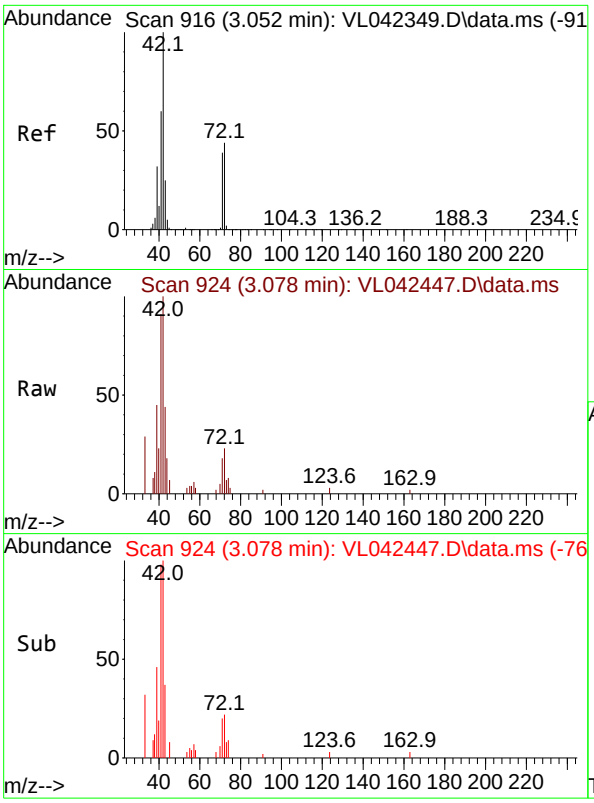


#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 3.777 min Scan# 1140
Delta R.T. 0.016 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:117 Resp: 1703

Ion	Ratio	Lower	Upper
117	100		
119	82.1	80.5	120.7
121	27.0	24.2	36.2

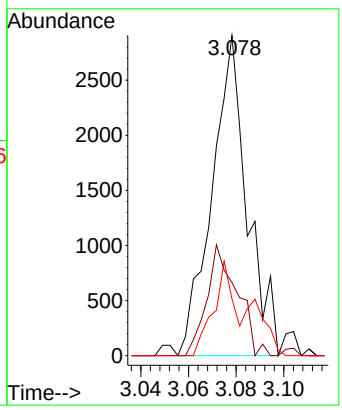




#41
Tetrahydrofuran
Concen: 0.208 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.026 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 42 Resp: 298

Ion	Ratio	Lower	Upper
42	100		
72	29.9	32.3	48.5#
71	27.1	31.4	47.2#



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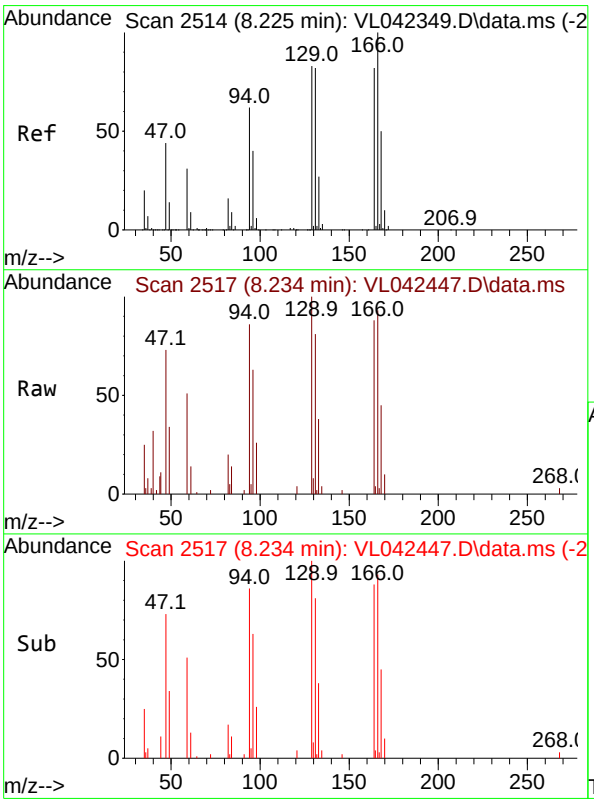
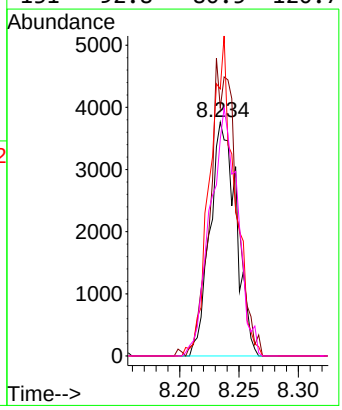
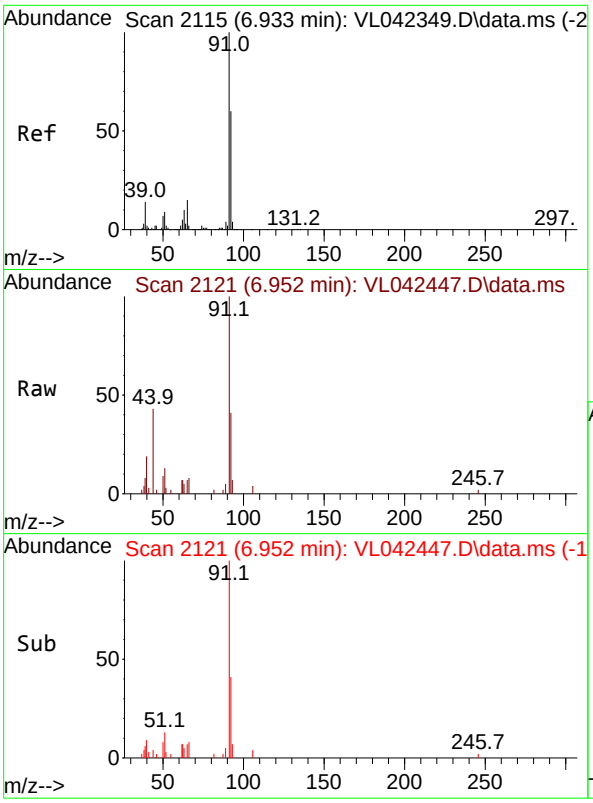


#52
Tetrachloroethene
Concen: 0.447 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:164 Resp: 5799

Ion	Ratio	Lower	Upper
164	100		
166	106.1	98.2	147.2
129	114.2	81.8	122.8
131	92.8	80.5	120.7

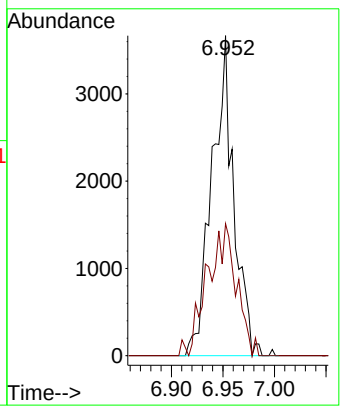




#53
Toluene
Concen: 0.135 ppbv m
RT: 6.952 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 91 Resp: 541

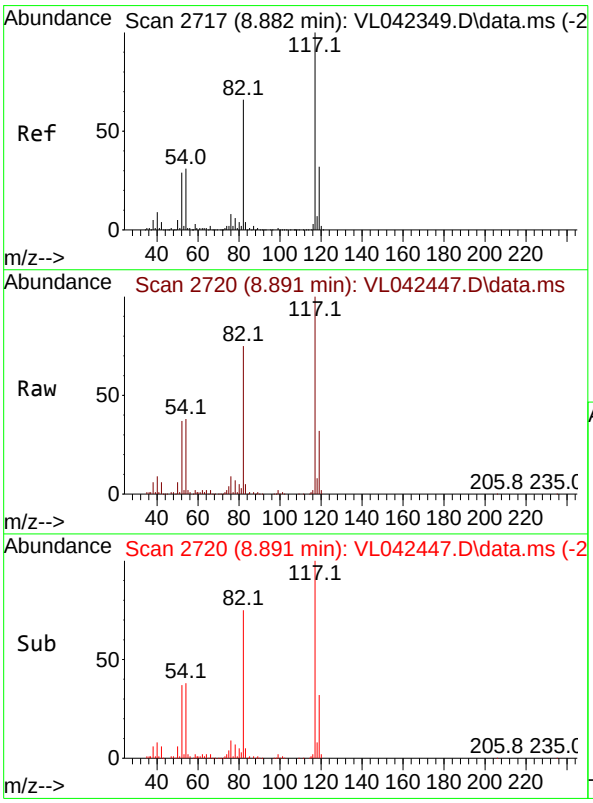
Ion	Ratio	Lower	Upper
91	100		
92	54.7	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Manual Integrations
APPROVED

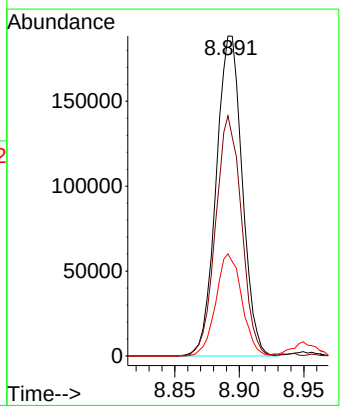
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

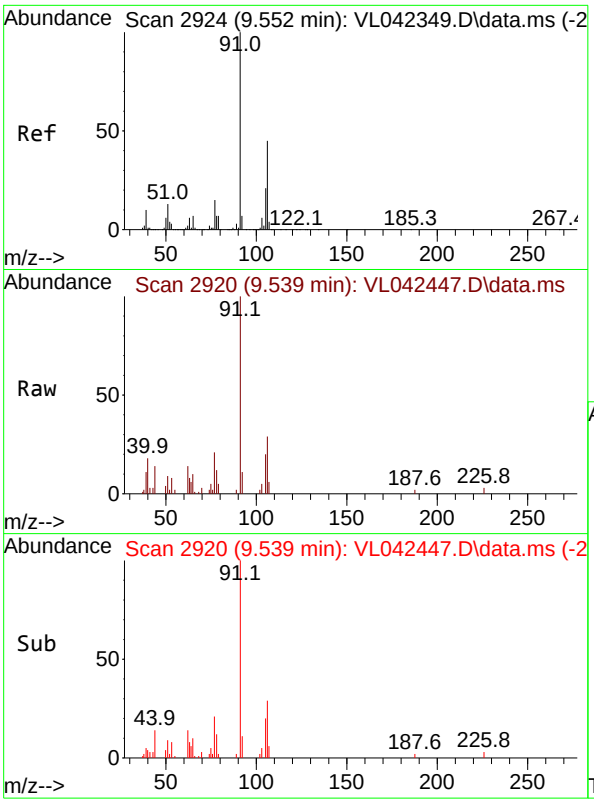


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:117 Resp: 264660

Ion	Ratio	Lower	Upper
117	100		
82	75.0	57.8	86.6
119	31.8	25.2	37.8

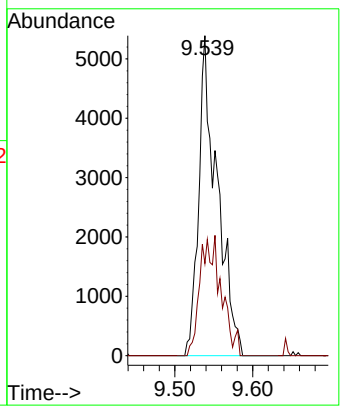




#59
m/p-Xylene
Concen: 0.209 ppbv m
RT: 9.539 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 91 Resp: 884

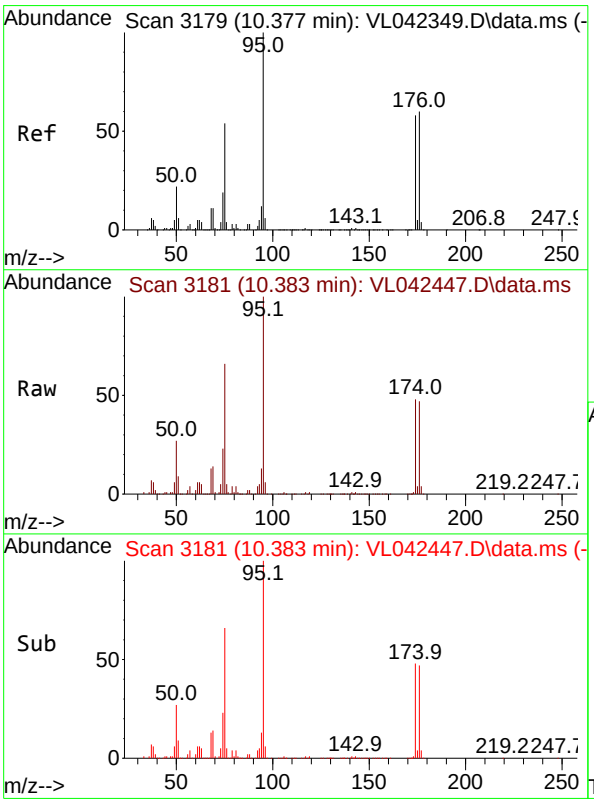
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2



Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Manual Integrations
APPROVED

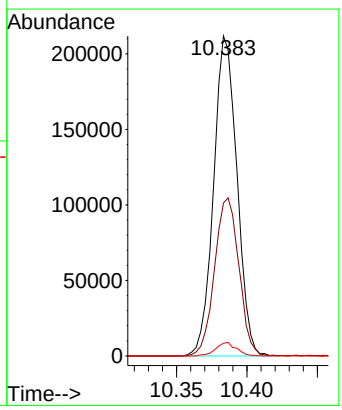
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.229 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 95 Resp: 244219

Ion	Ratio	Lower	Upper
95	100		
174	51.7	48.5	72.7
175	3.7	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-DUP01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-06	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
VL042432.D	1		04/28/25 18:35	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.53	2.62		1.04	2.47	ug/m3
74-87-3	Chloromethane	0.82	1.69		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	10.4	24.7		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	1.10	3.82		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.89	2.62		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	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.12	0.59	J	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.13	0.42	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.38	1.43	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-DUP01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-06	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
VL042432.D	1		04/28/25 18:35	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.54	1.90		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	123000		2.784			
540-36-3	1,4-Difluorobenzene	342000		3.956			
3114-55-4	Chlorobenzene-d5	294000		8.875			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-DUP01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-06	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
VL042432.D	1		04/28/25 18:35	VL042825

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\VL042825\
Data File : VL042432.D
Acq On : 28 Apr 2025 18:35
Operator : SY/MD
Sample : Q1880-06
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:41:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	122971	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	342098	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	294438	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	255363	10.554	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	11450	0.527	ppbv		98
3) Chlorodifluoromethane	1.473	51	4767m	0.230	ppbv		
4) Chloromethane	1.531	50	7038	0.819	ppbv		98
9) Propene	1.486	41	5988	0.636	ppbv	#	15
11) Trichlorofluoromethane	1.875	101	5413	0.262	ppbv		87
13) Ethanol	1.719	45	184120	122.946	ppbv		76
15) Acetone	1.832	43	208956	10.380	ppbv		94
19) Isopropyl Alcohol	1.884	45	25110	2.245	ppbv	#	1
20) Methylene Chloride	2.059	84	8748	1.110	ppbv		96
26) Hexane	2.826	57	10774	0.536	ppbv	#	36
29) Chloroform	2.849	83	3495	0.123	ppbv	#	69
34) 2-Butanone	2.561	43	24147	0.892	ppbv		100
35) Carbon Tetrachloride	3.755	117	2662m	0.086	ppbv		
36) Benzene	3.651	78	4659	0.126	ppbv		95
53) Toluene	6.930	91	16874m	0.381	ppbv		
59) m/p-Xylene	9.526	91	9433	0.201	ppbv		95

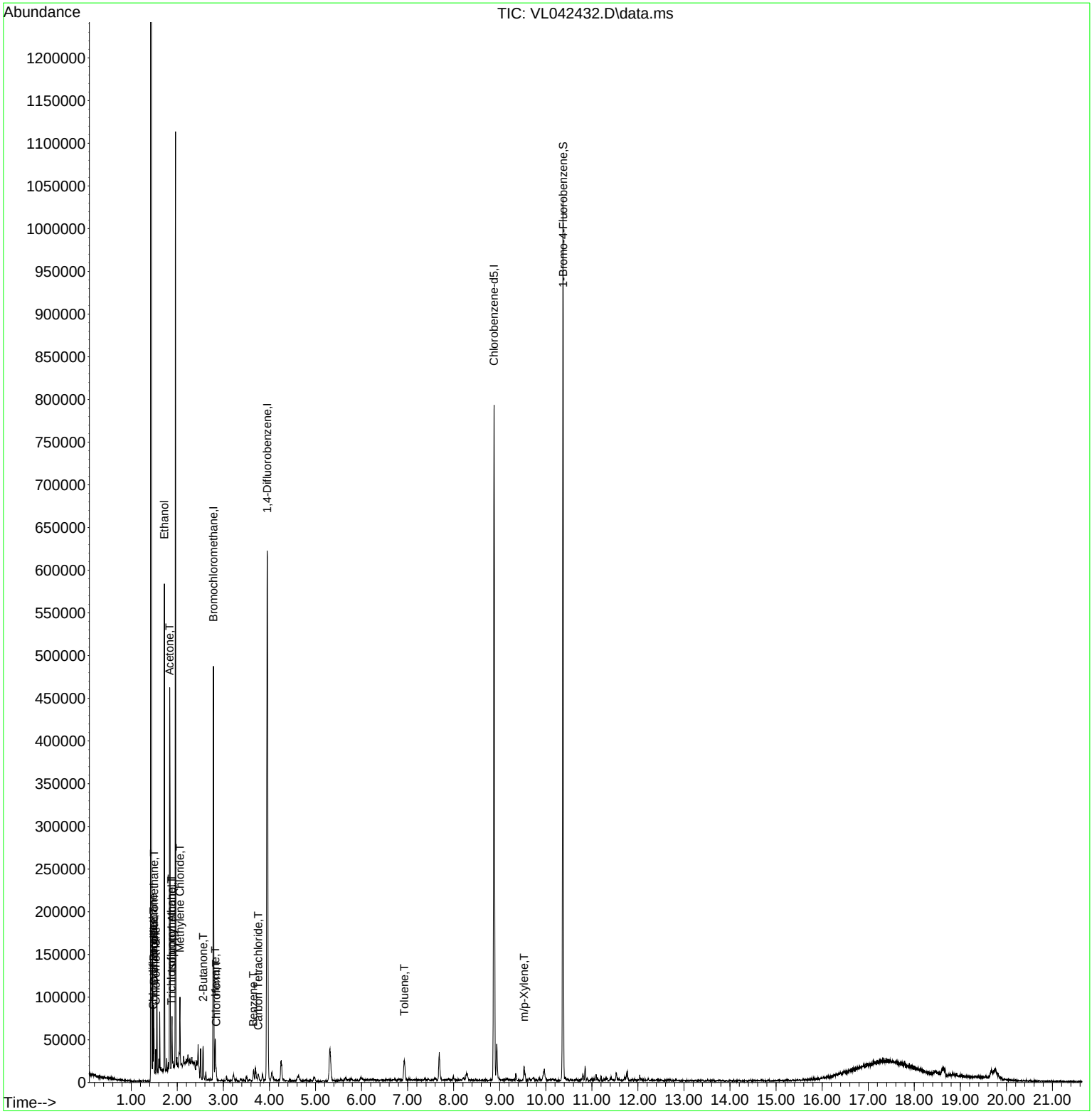
(#) = qualifier out of range (m) = manual integration (+) = signals summed

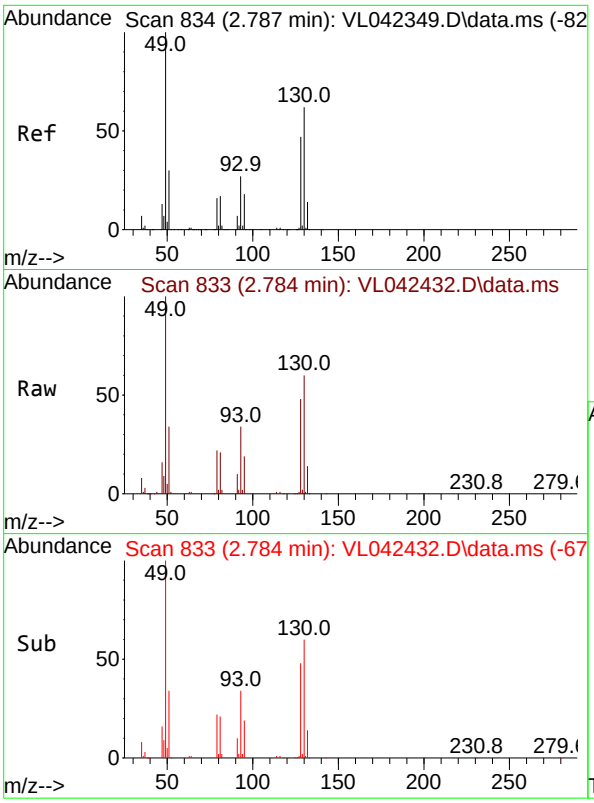
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042432.D
Acq On : 28 Apr 2025 18:35
Operator : SY/MD
Sample : Q1880-06
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 01:41:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

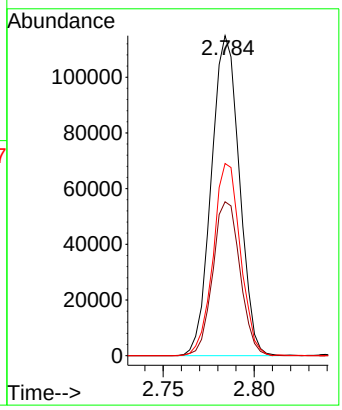




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 49 Resp: 12297

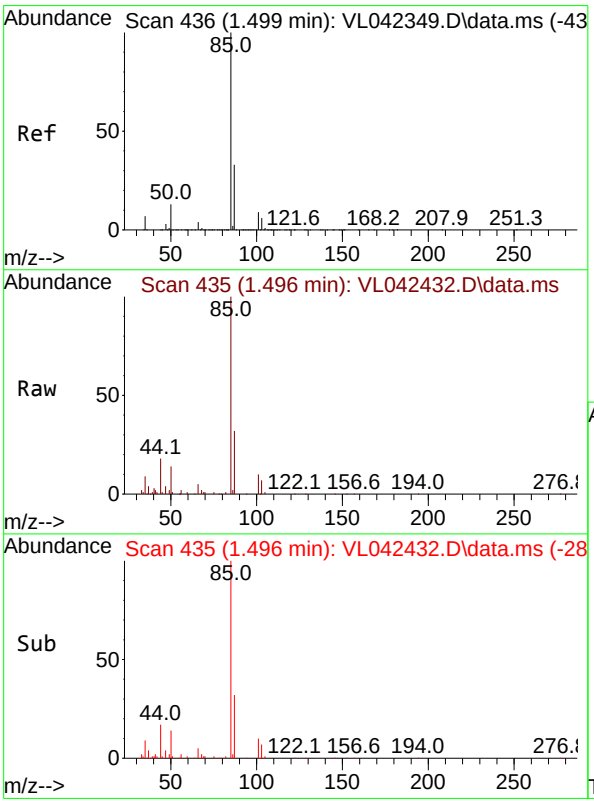
Ion	Ratio	Lower	Upper
49	100		
128	46.9	22.8	68.4
130	58.4	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Manual Integrations
APPROVED

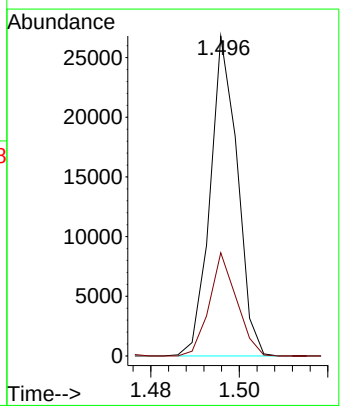
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

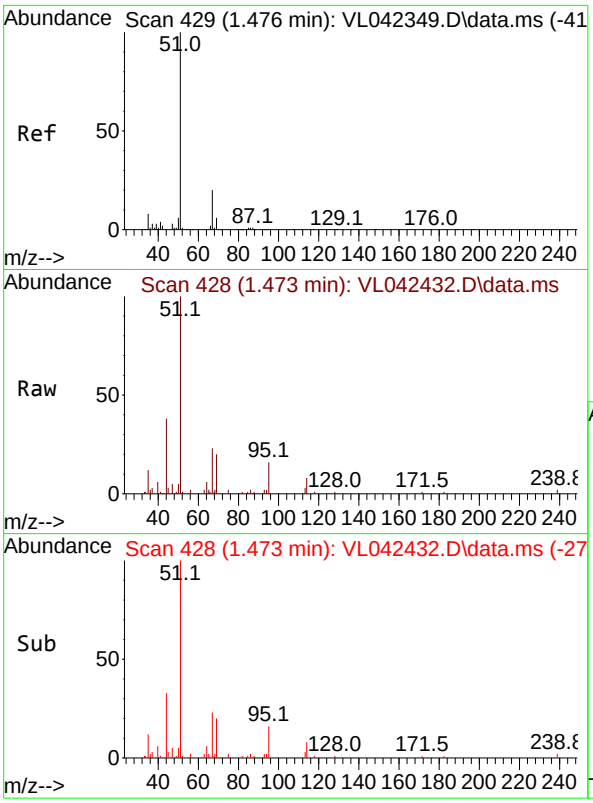


#2
Dichlorodifluoromethane
Concen: 0.527 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 85 Resp: 11450

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8

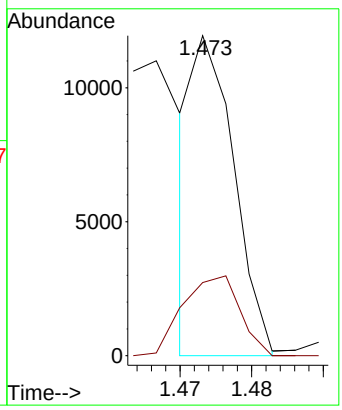




#3
Chlorodifluoromethane
Concen: 0.230 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 51 Resp: 476

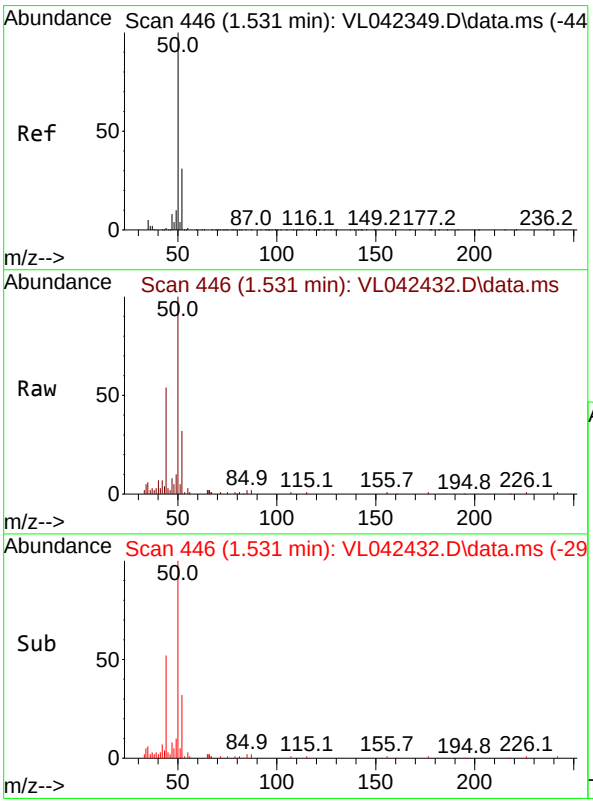
Ion	Ratio	Lower	Upper
51	100		
67	35.1	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Manual Integrations
APPROVED

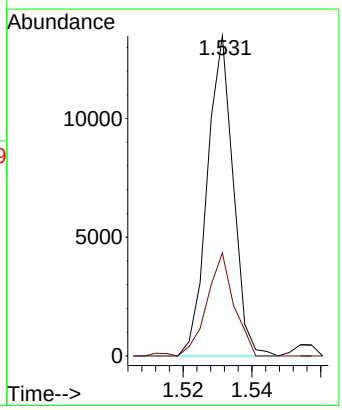
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

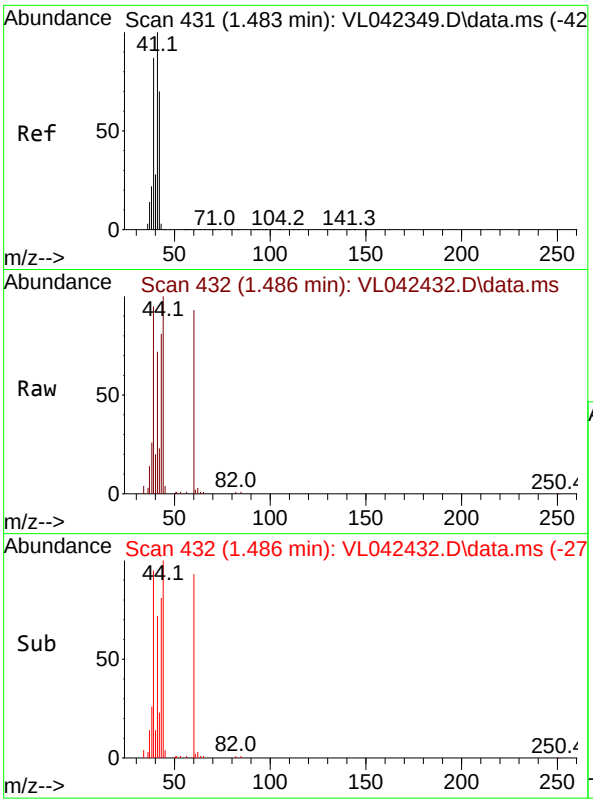


#4
Chloromethane
Concen: 0.819 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 50 Resp: 7038

Ion	Ratio	Lower	Upper
50	100		
52	32.2	24.7	37.1

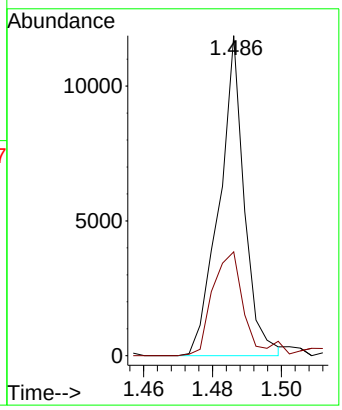




#9
Propene
Concen: 0.636 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 41 Resp: 598

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
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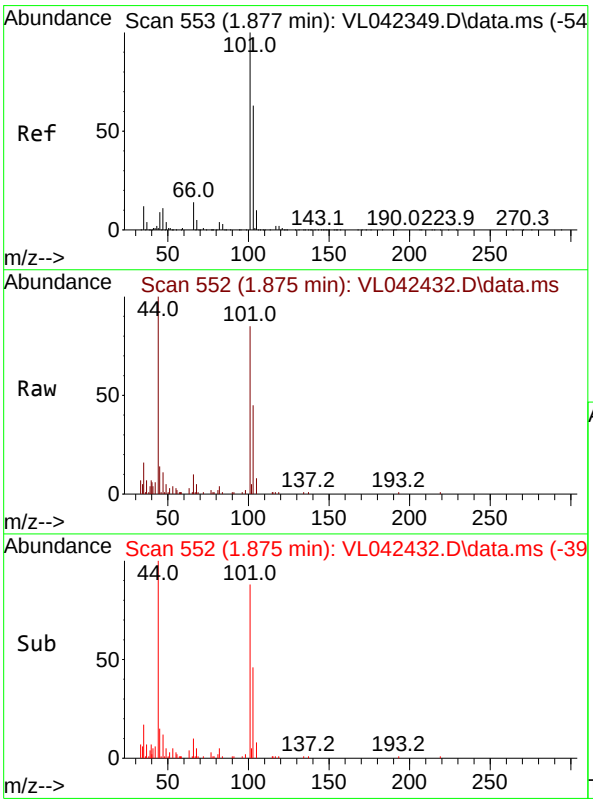
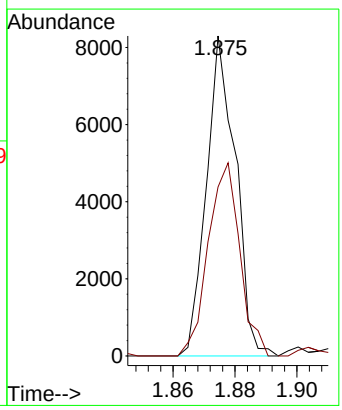
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

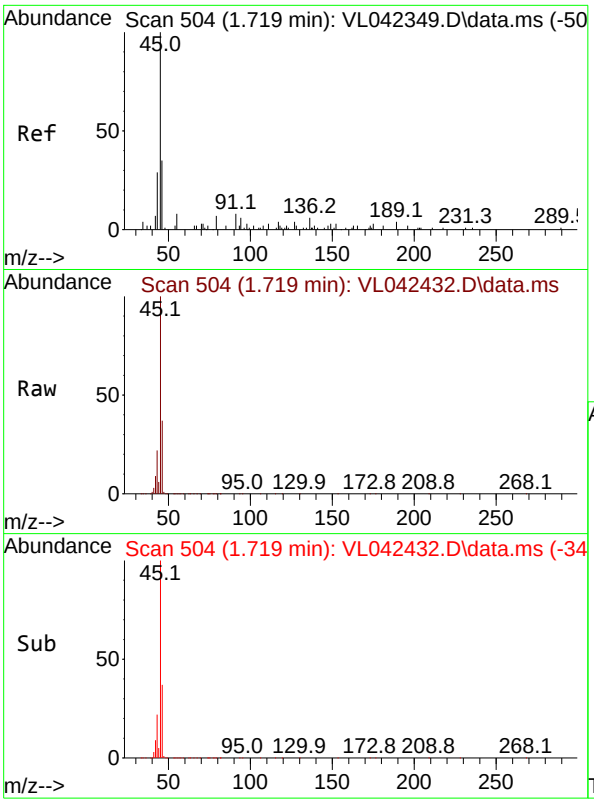


#11
Trichlorofluoromethane
Concen: 0.262 ppbv
RT: 1.875 min Scan# 552
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion:101 Resp: 5413

Ion	Ratio	Lower	Upper
101	100		
103	52.8	50.1	75.1





#13
Ethanol
Concen: 122.946 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 45 Resp: 18412(

Ion	Ratio	Lower	Upper
45	100		
46	37.6	21.9	87.7

Instrument :
MSVOA_L
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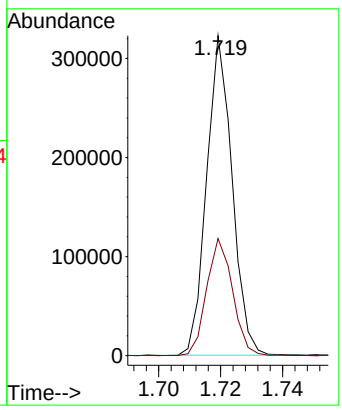
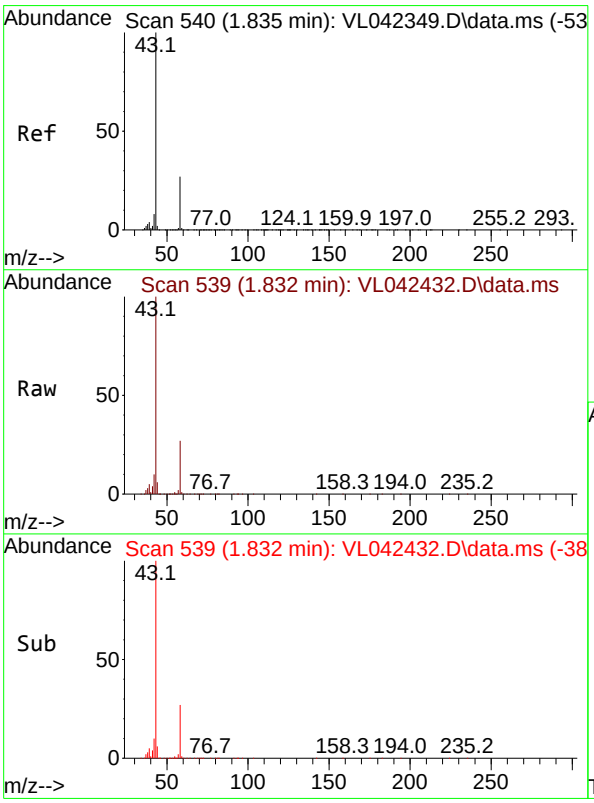
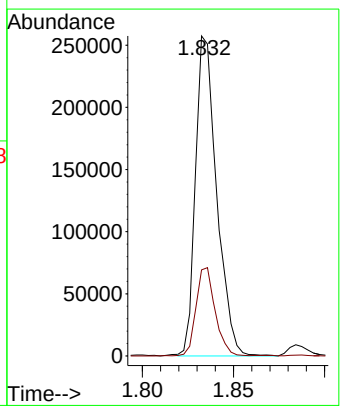


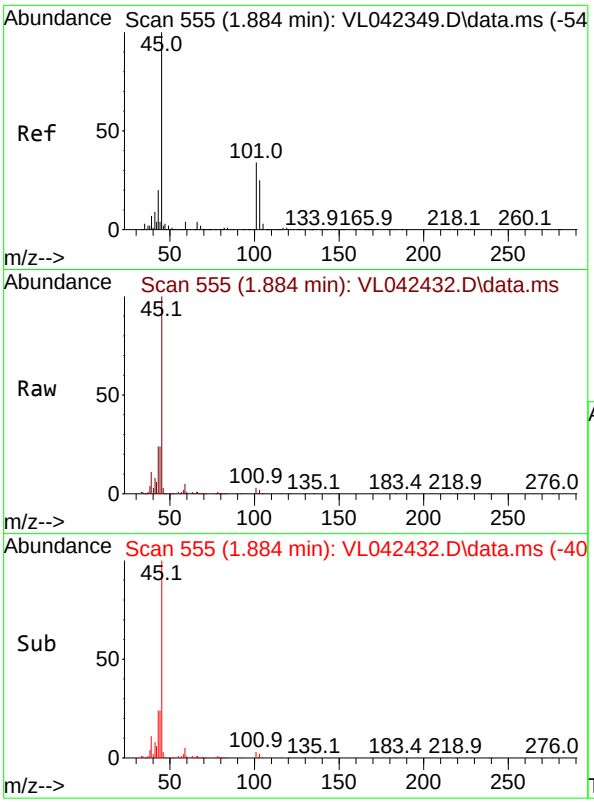


#15
Acetone
Concen: 10.380 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 43 Resp: 208956

Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.4	33.6

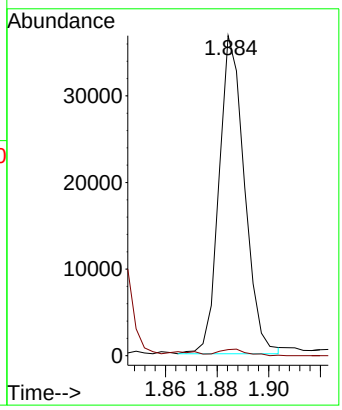




#19
Isopropyl Alcohol
Concen: 2.245 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 45 Resp: 2511

Ion	Ratio	Lower	Upper
45	100		
58	208.6	34.5	51.7#



Instrument :
MSVOA_L
ClientSampleId :
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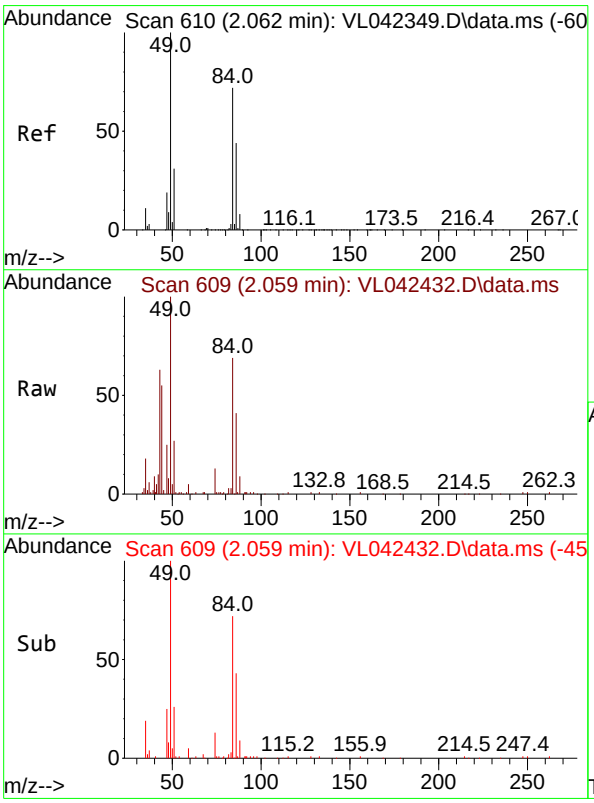
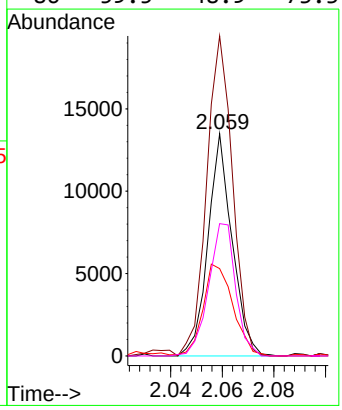
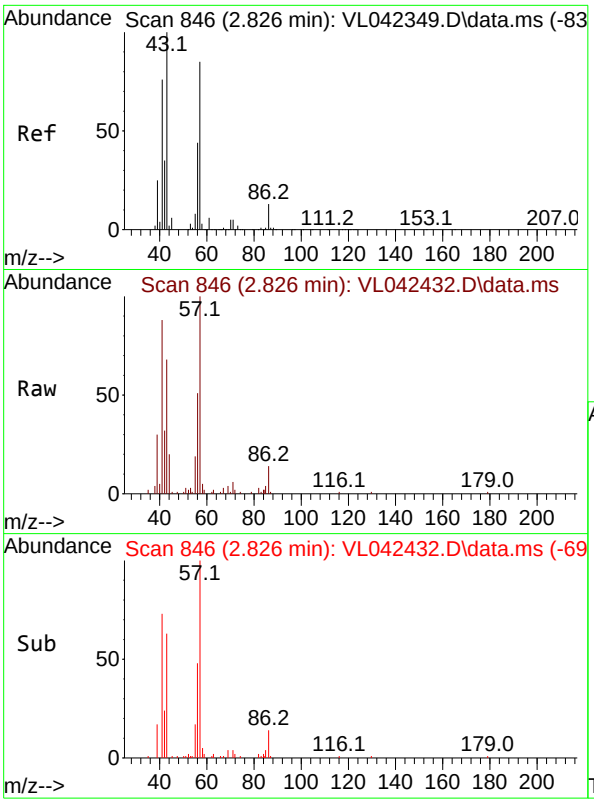


#20
Methylene Chloride
Concen: 1.110 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 84 Resp: 8748

Ion	Ratio	Lower	Upper
84	100		
49	144.0	111.6	167.4
51	39.3	35.1	52.7
86	59.5	48.9	73.3

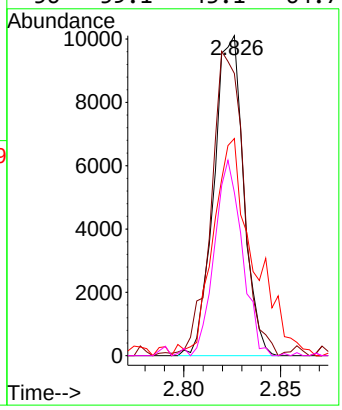




#26
Hexane
Concen: 0.536 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 57 Resp: 1077

Ion	Ratio	Lower	Upper
57	100		
41	107.7	77.9	116.9
43	89.7	208.4	312.6#
56	59.1	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
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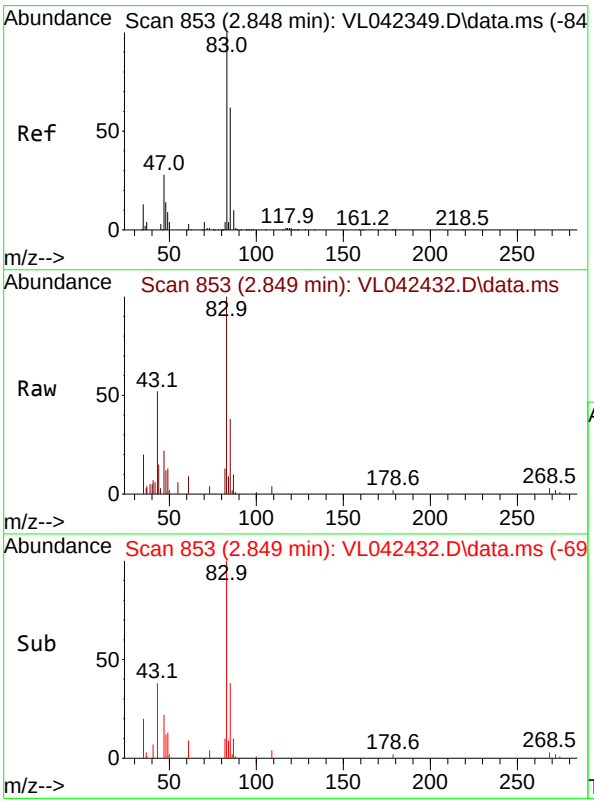
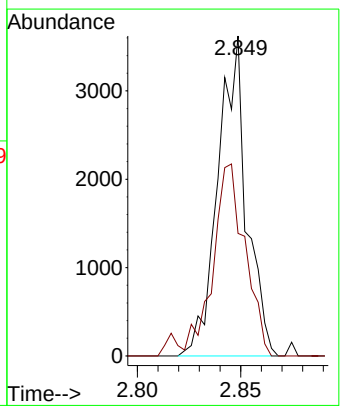
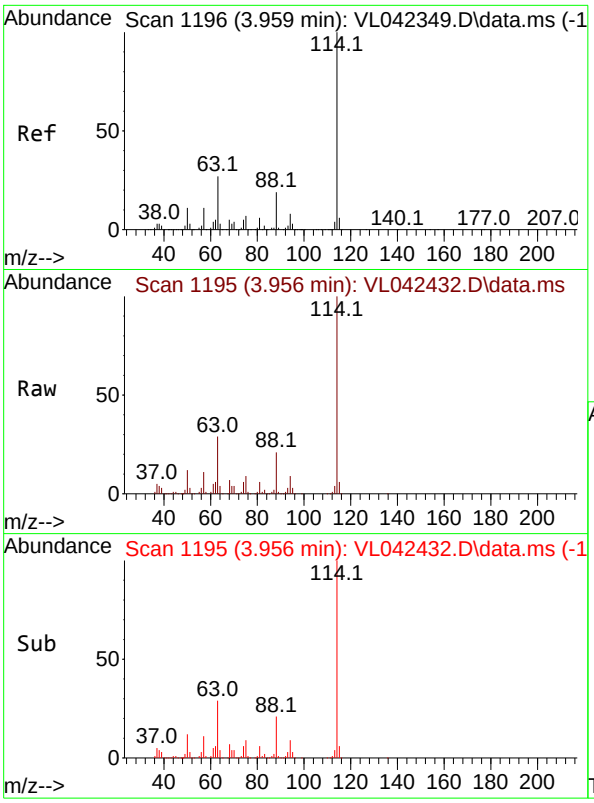


#29
Chloroform
Concen: 0.123 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 83 Resp: 3495

Ion	Ratio	Lower	Upper
83	100		
85	38.3	50.0	75.0#

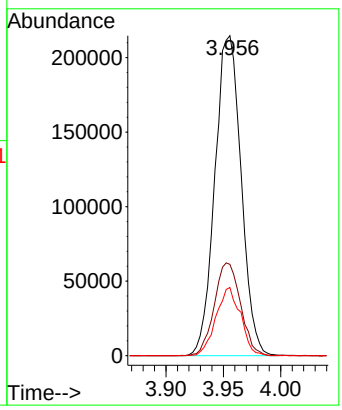




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion:114 Resp: 34209

Ion	Ratio	Lower	Upper
114	100		
63	29.0	21.8	32.6
88	19.9	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

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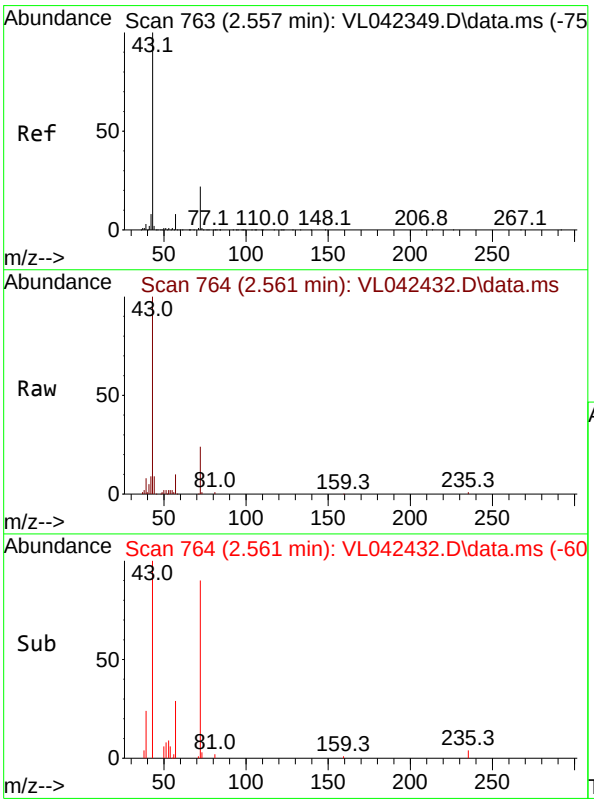
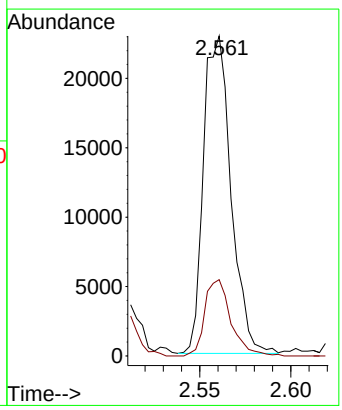
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

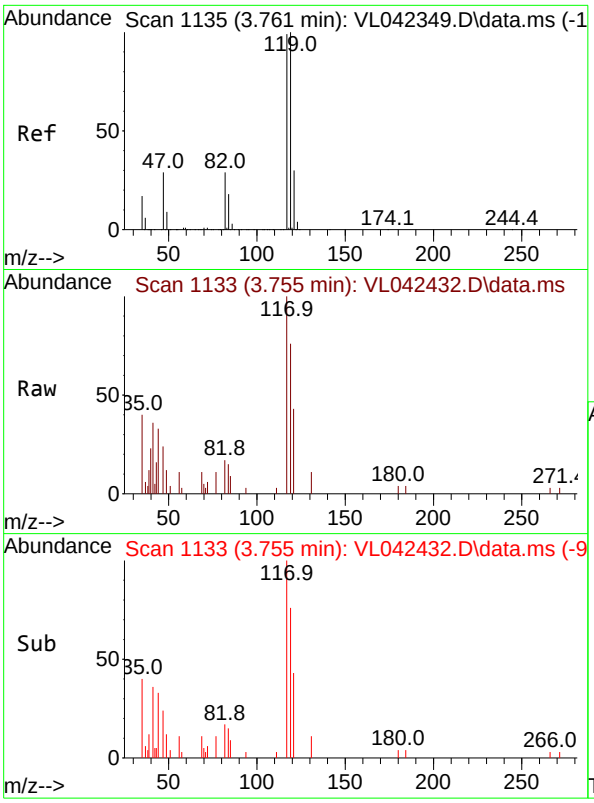


#34
2-Butanone
Concen: 0.892 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.004 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 43 Resp: 24147

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.2	27.2

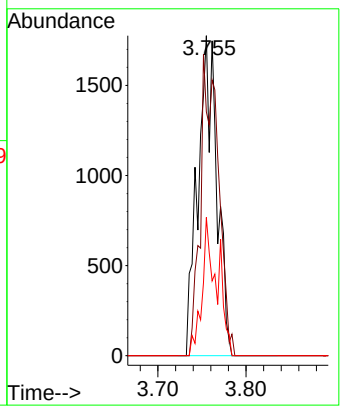




#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 3.755 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion:117 Resp: 266

Ion	Ratio	Lower	Upper
117	100		
119	76.2	80.5	120.7#
121	43.2	24.2	36.2#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Manual Integrations
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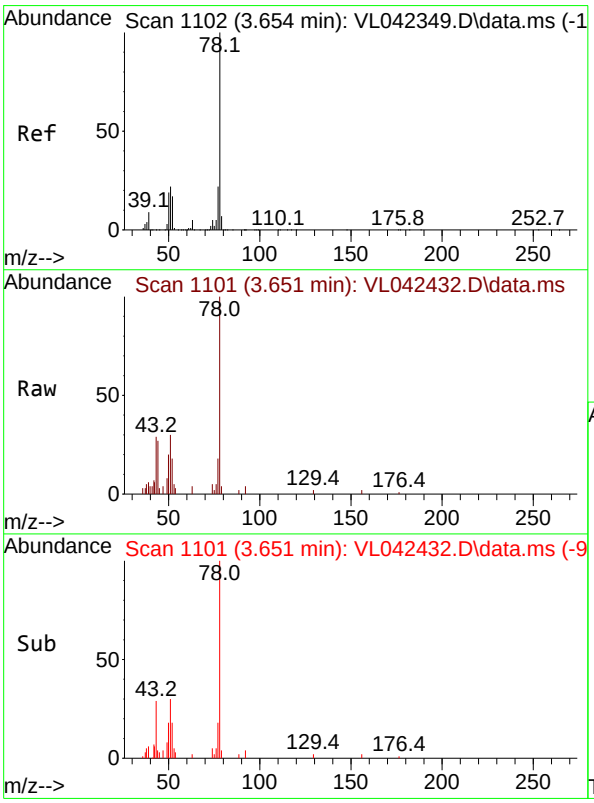
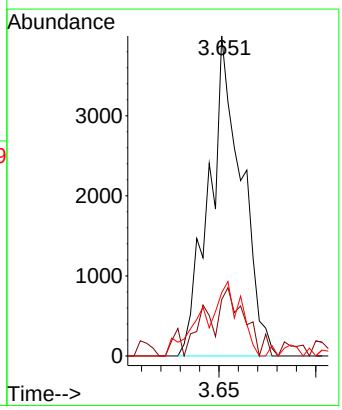
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

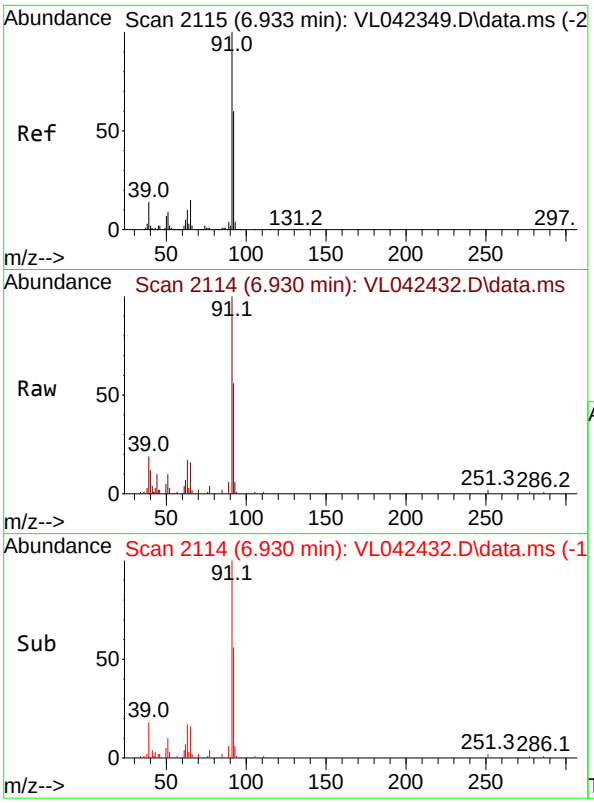


#36
Benzene
Concen: 0.126 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 78 Resp: 4659

Ion	Ratio	Lower	Upper
78	100		
77	17.6	17.4	26.0
50	19.8	15.5	23.3

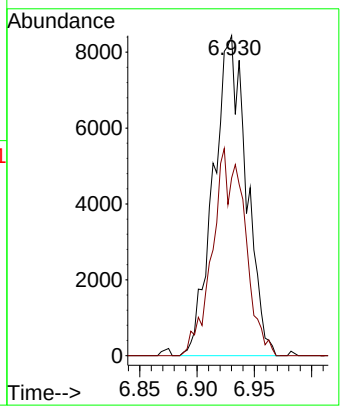




#53
Toluene
Concen: 0.381 ppbv m
RT: 6.930 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 91 Resp: 1687

Ion	Ratio	Lower	Upper
91	100		
92	63.5	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

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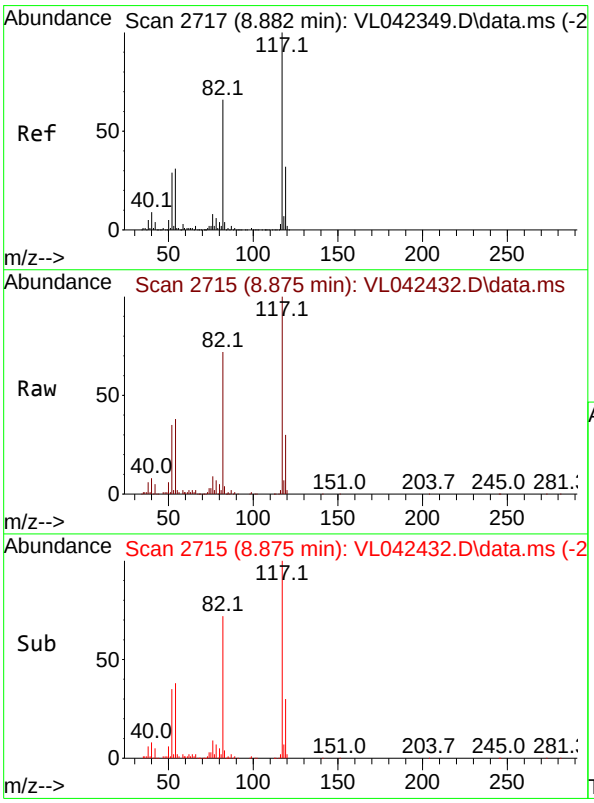
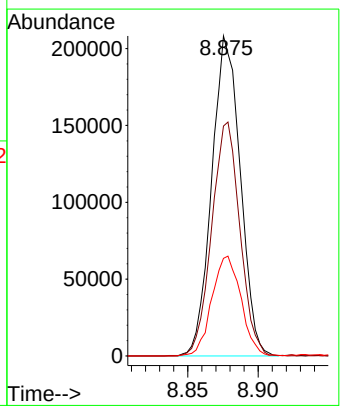
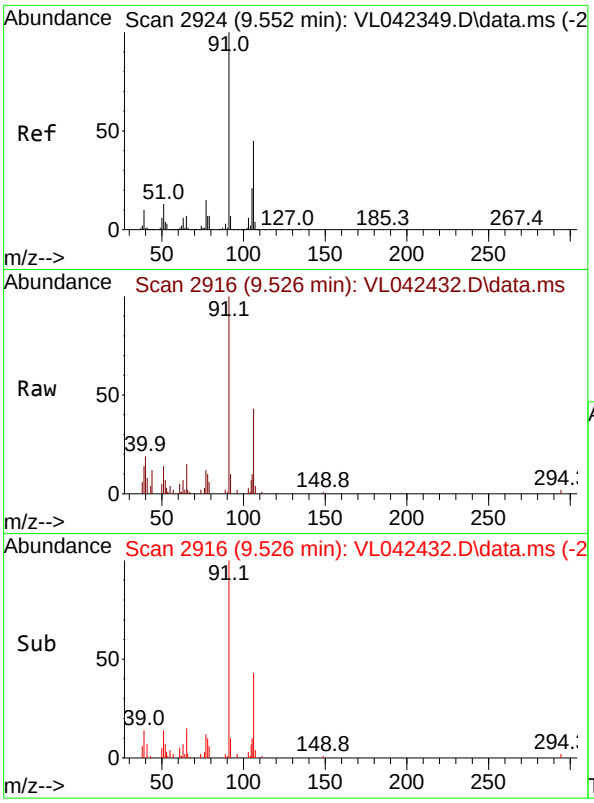


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion:117 Resp: 294438

Ion	Ratio	Lower	Upper
117	100		
82	72.1	57.8	86.6
119	31.8	25.2	37.8





#59
m/p-Xylene
Concen: 0.201 ppbv
RT: 9.526 min Scan# 2
Delta R.T. -0.026 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 91 Resp: 943

Ion	Ratio	Lower	Upper
91	100		
106	41.1	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

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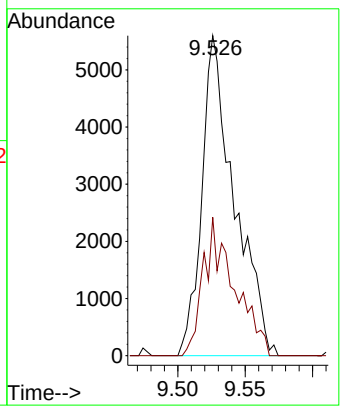
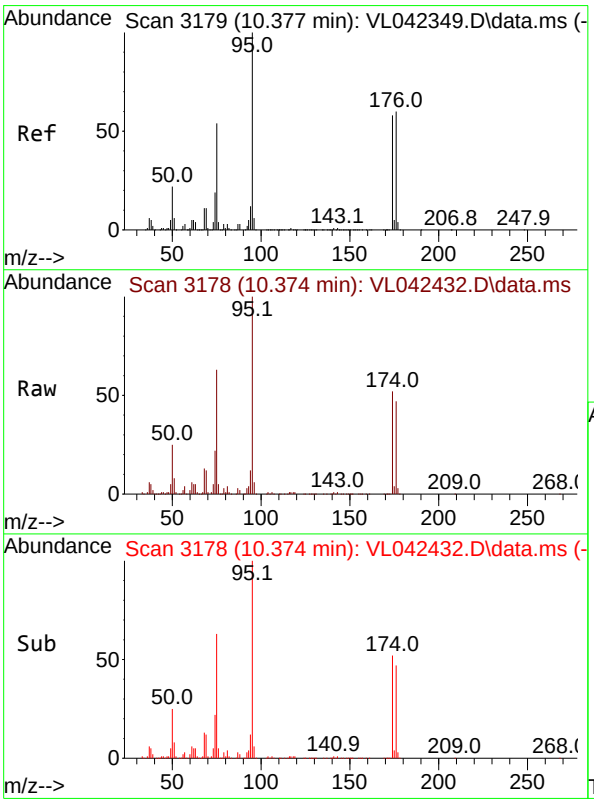
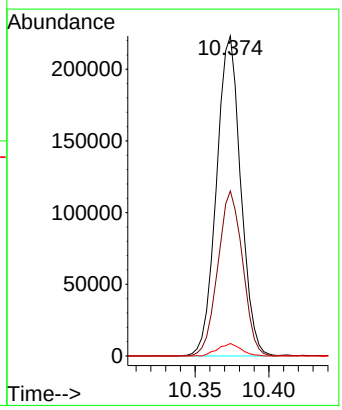




#68
1-Bromo-4-Fluorobenzene
Concen: 10.554 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 95 Resp: 255363

Ion	Ratio	Lower	Upper
95	100		
174	52.6	48.5	72.7
175	3.7	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-SS01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-07	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
VL042448.D	1		04/29/25 15:58	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.49	2.42	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.50	1.03	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.43	1.27	J	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	3.00	9.09		0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	18.9	44.9	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.31	1.08	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	2.10	6.19		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.15	0.48	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.17	0.64	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	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:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-SS01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-07	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
VL042448.D	1		04/29/25 15:58	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.22	0.96	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.14	0.49	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135	108%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	114000		2.794			
540-36-3	1,4-Difluorobenzene	307000		3.969			
3114-55-4	Chlorobenzene-d5	269000		8.892			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-SS01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-07	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
VL042448.D	1		04/29/25 15:58	VL042925

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\VL042925\
Data File : VL042448.D
Acq On : 29 Apr 2025 15:58
Operator : SY/MD
Sample : Q1880-07
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 30 01:22:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.794	49	114087	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.969	114	307114	10.000	ppbv		0.01
55) Chlorobenzene-d5	8.892	117	268915	10.000	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	239688	10.847	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	9930m	0.493	ppbv		
3) Chlorodifluoromethane	1.480	51	3965m	0.207	ppbv		
9) Propene	1.489	41	11421	1.307	ppbv		84
11) Trichlorofluoromethane	1.881	101	4348	0.227	ppbv		93
13) Ethanol	1.722	45	257788	185.543	ppbv		76
15) Acetone	1.839	43	352540	18.876	ppbv		99
17) tert-Butyl alcohol	2.046	59	68971	2.980	ppbv		98
19) Isopropyl Alcohol	1.891	45	94932	9.150	ppbv	#	7
20) Methylene Chloride	2.066	84	2278	0.311	ppbv	#	50
26) Hexane	2.833	57	2509	0.135	ppbv	#	88
34) 2-Butanone	2.567	43	50884	2.095	ppbv		99
35) Carbon Tetrachloride	3.775	117	1775m	0.064	ppbv		
36) Benzene	3.671	78	5082m	0.153	ppbv		
41) Tetrahydrofuran	3.072	42	6063m	0.428	ppbv		
52) Tetrachloroethene	8.228	164	438	0.034	ppbv	#	48
53) Toluene	6.953	91	6920m	0.174	ppbv		
59) m/p-Xylene	9.545	91	9556m	0.223	ppbv		

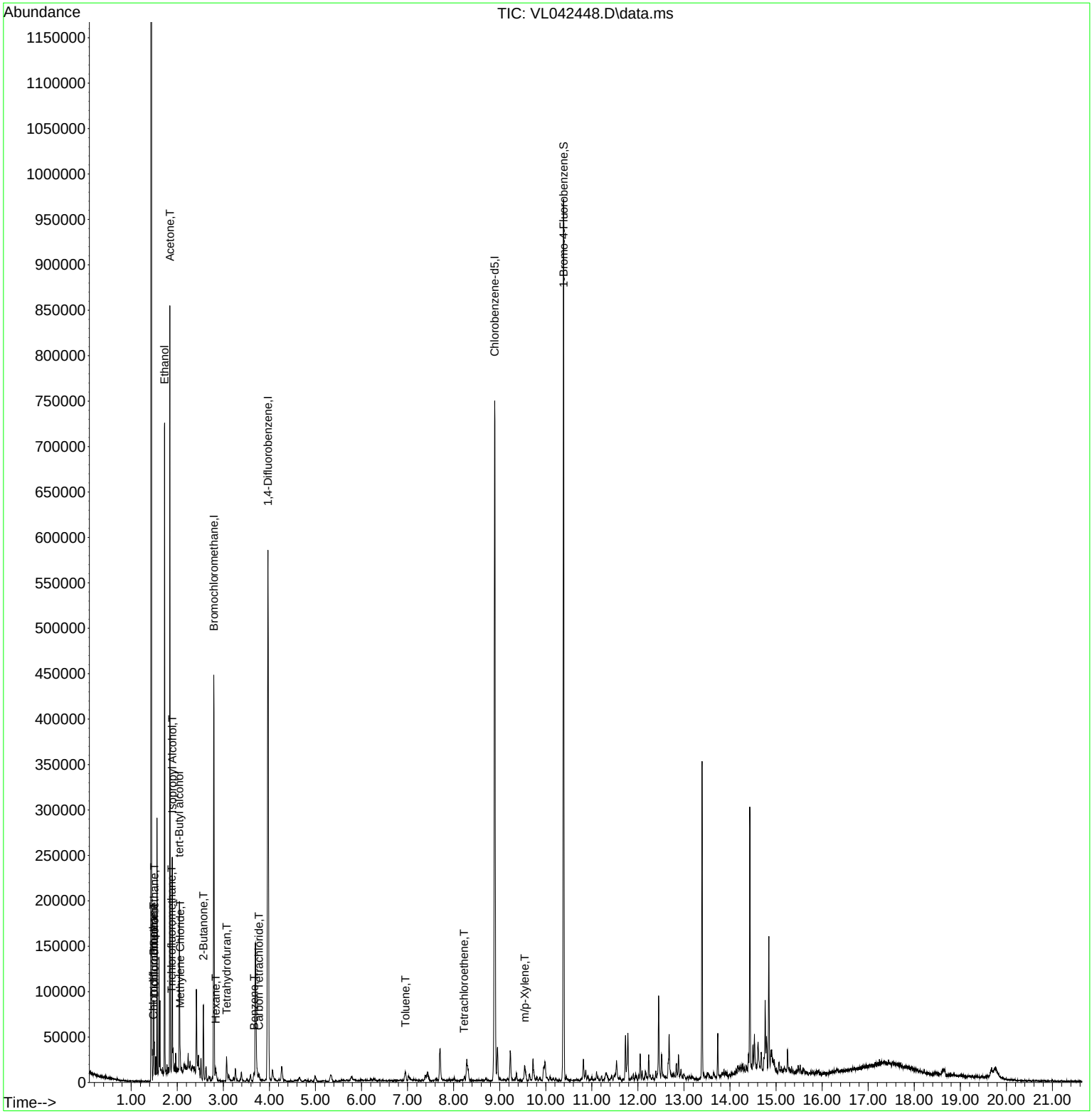
(#) = qualifier out of range (m) = manual integration (+) = signals summed

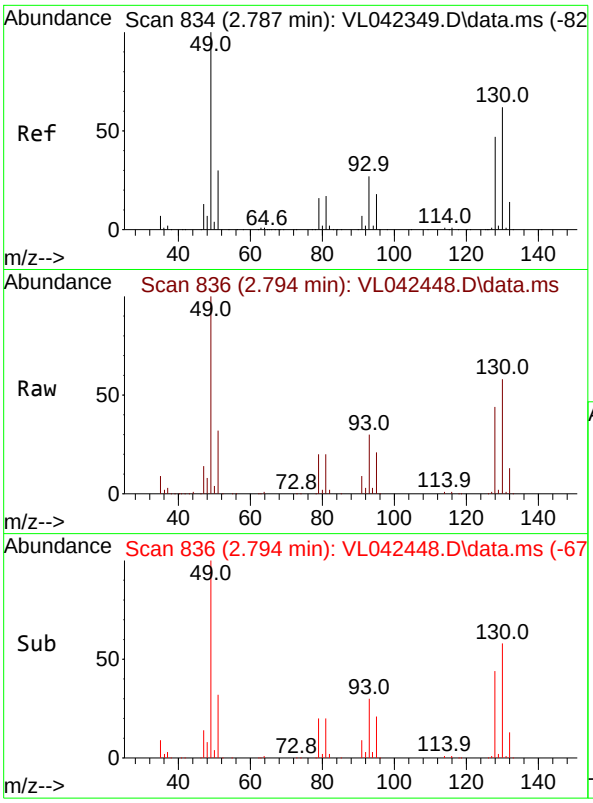
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042448.D
Acq On : 29 Apr 2025 15:58
Operator : SY/MD
Sample : Q1880-07
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 30 01:22:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

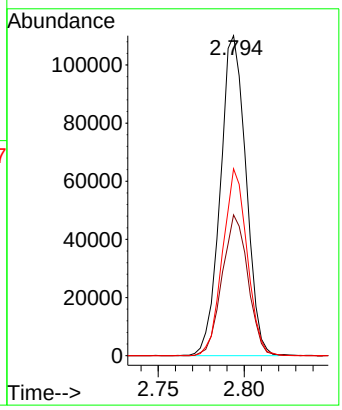




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 49 Resp: 11408

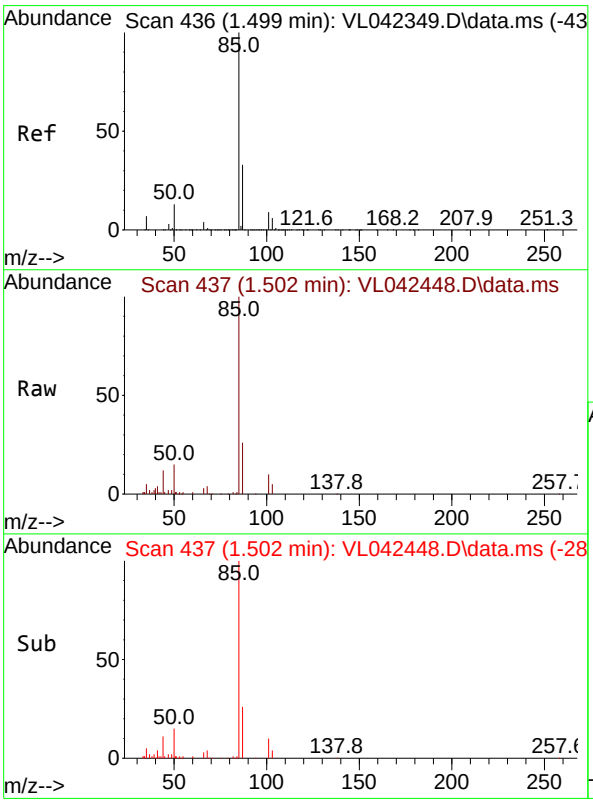
Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.8	68.4
130	55.7	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
APPROVED

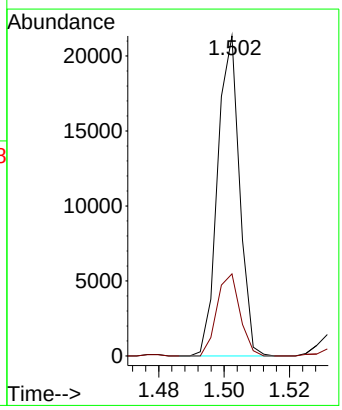
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

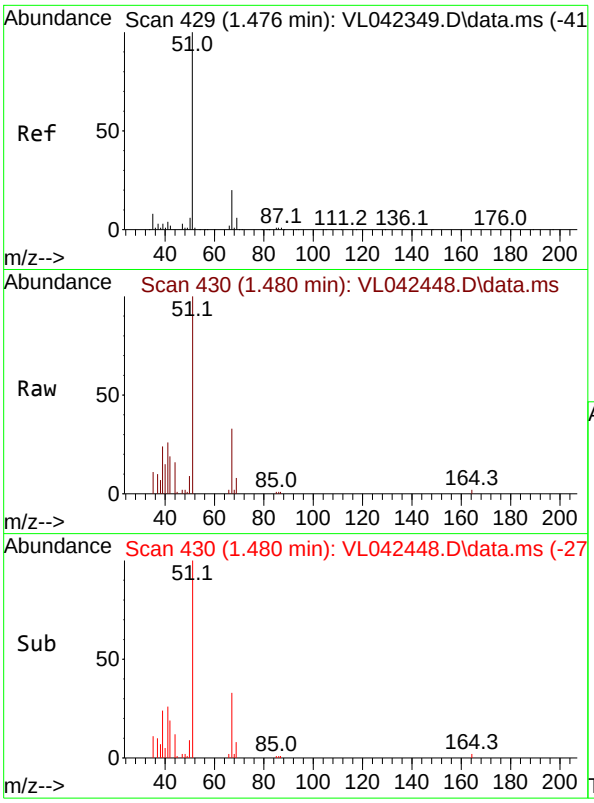


#2
Dichlorodifluoromethane
Concen: 0.493 ppbv m
RT: 1.502 min Scan# 437
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 85 Resp: 9930

Ion	Ratio	Lower	Upper
85	100		
87	25.6	26.6	39.8#

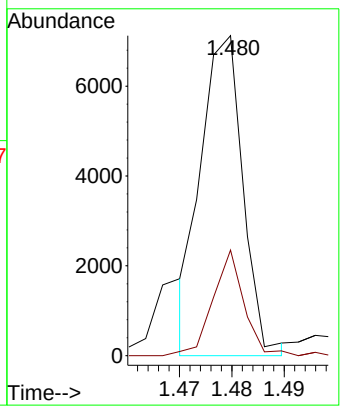




#3
Chlorodifluoromethane
Concen: 0.207 ppbv m
RT: 1.480 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 51 Resp: 396

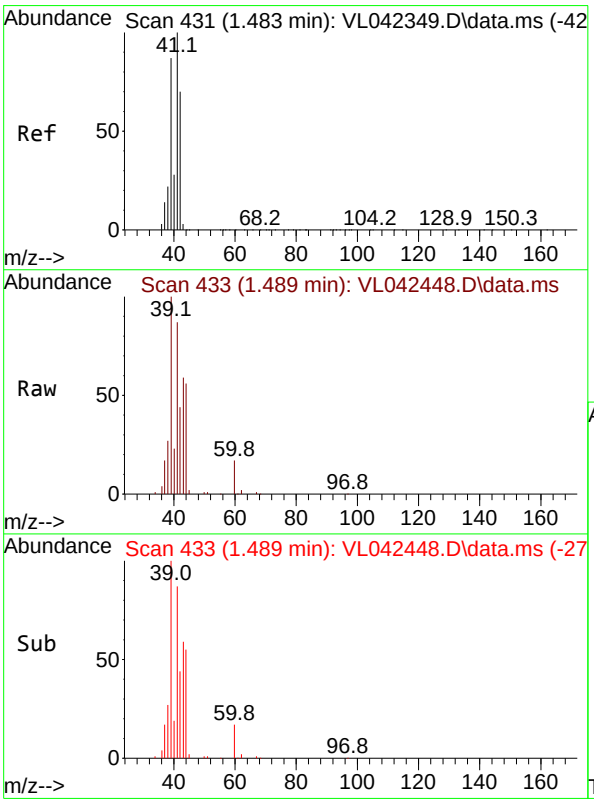
Ion	Ratio	Lower	Upper
51	100		
67	24.8	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
APPROVED

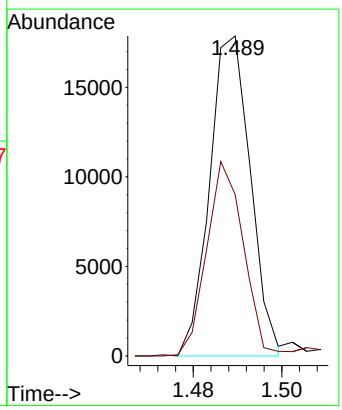
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

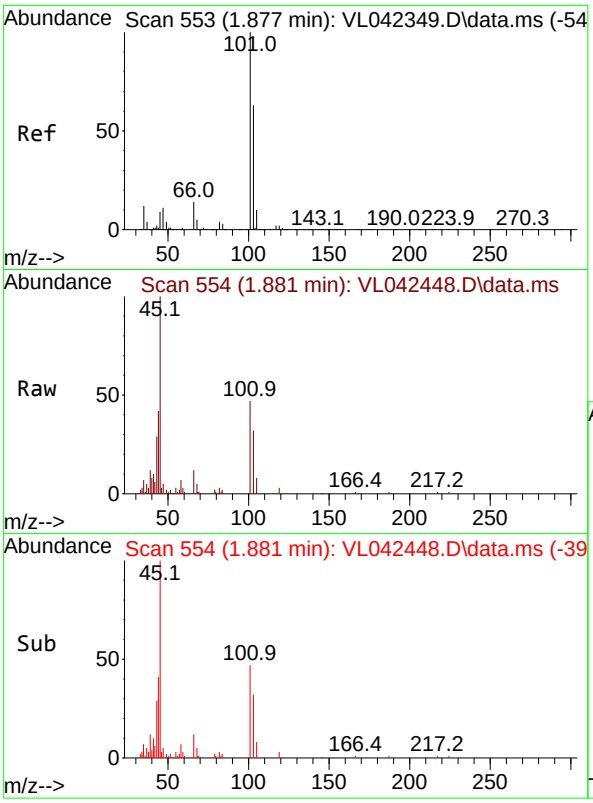


#9
Propene
Concen: 1.307 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 41 Resp: 11421

Ion	Ratio	Lower	Upper
41	100		
42	57.0	56.2	84.4

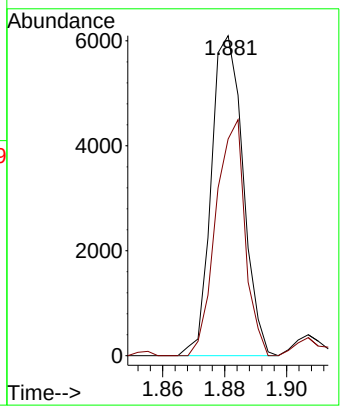




#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:101 Resp: 434

Ion	Ratio	Lower	Upper
101	100		
103	67.7	50.1	75.1



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
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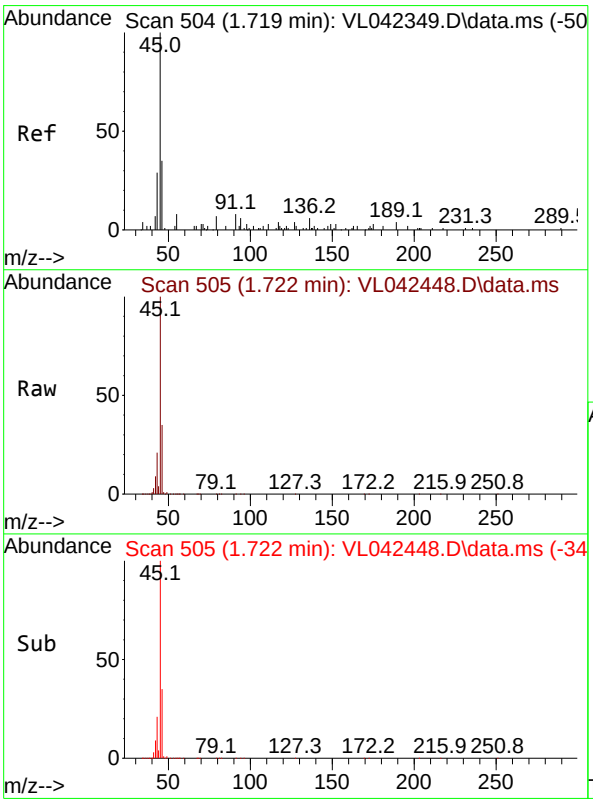
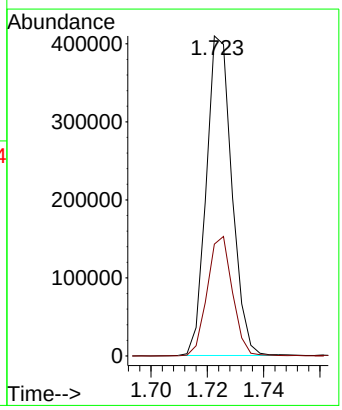
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

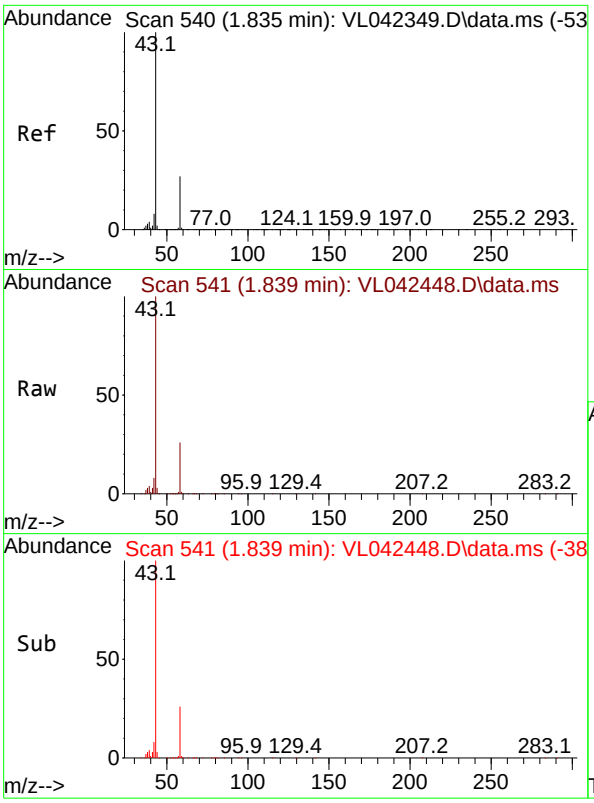


#13
Ethanol
Concen: 185.543 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 45 Resp: 257788

Ion	Ratio	Lower	Upper
45	100		
46	37.3	21.9	87.7

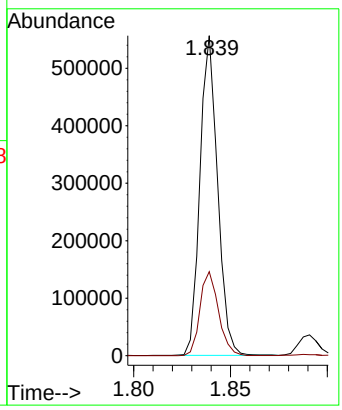




#15
Acetone
Concen: 18.876 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 43 Resp: 35254

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
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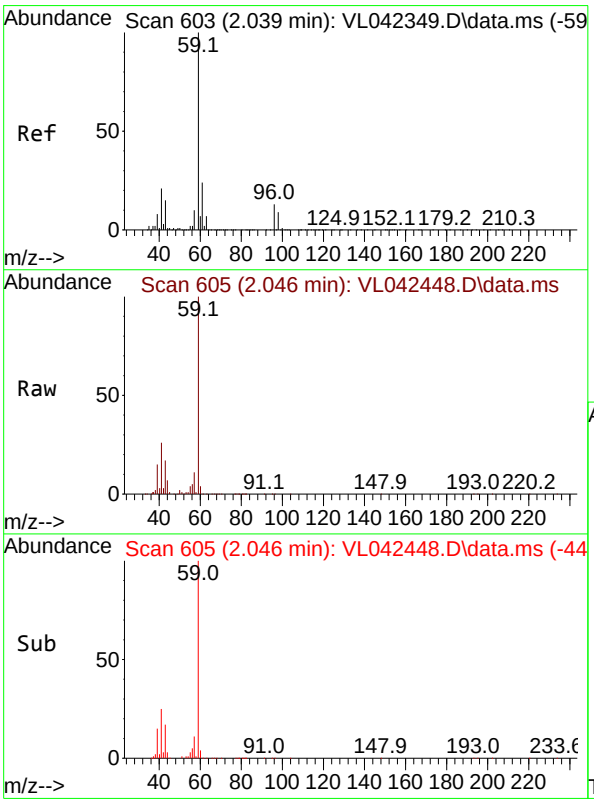
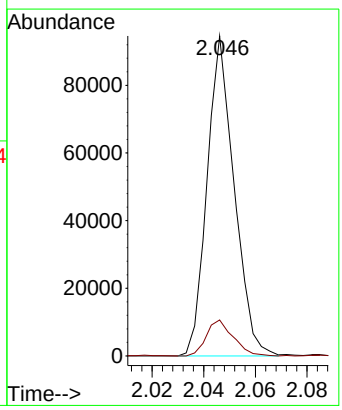
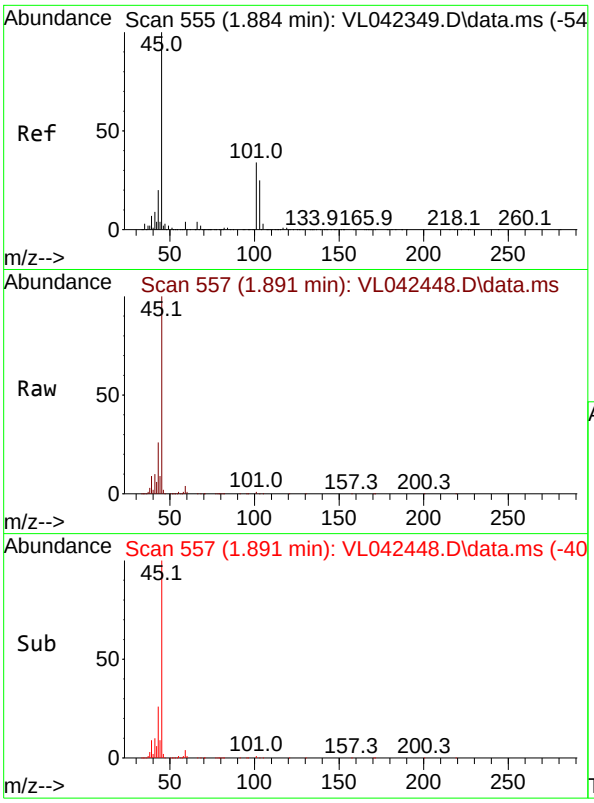


#17
tert-Butyl alcohol
Concen: 2.980 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 59 Resp: 68971

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.7	13.1

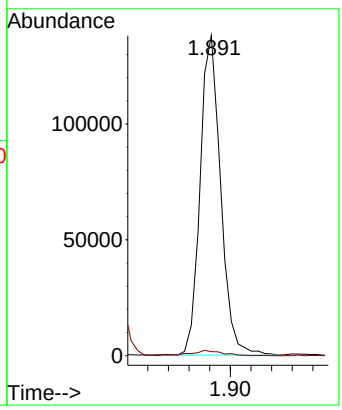




#19
Isopropyl Alcohol
Concen: 9.150 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 45 Resp: 9493

Ion	Ratio	Lower	Upper
45	100		
58	102.7	34.5	51.7#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
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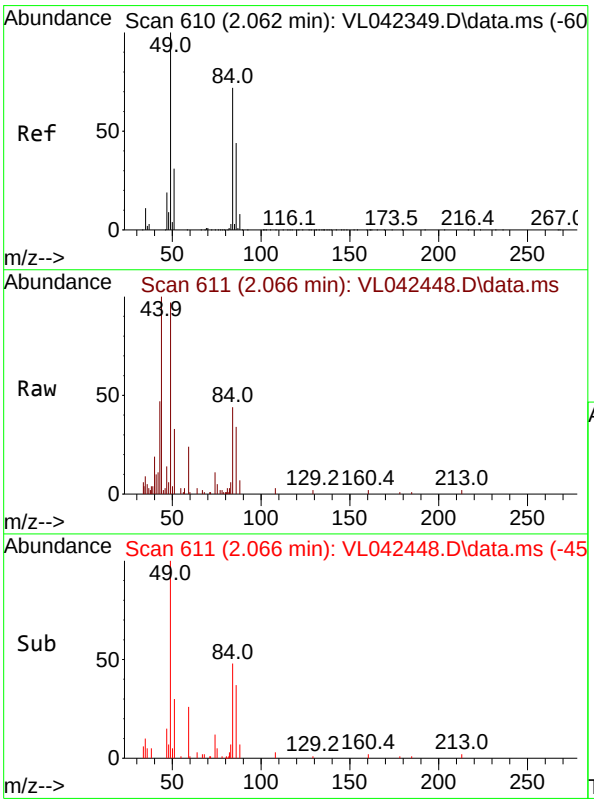
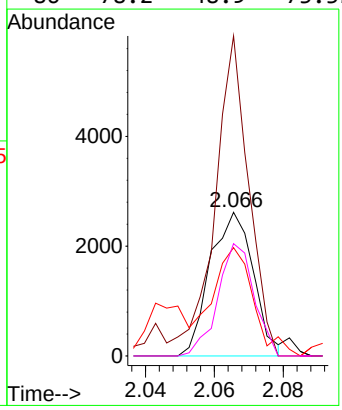
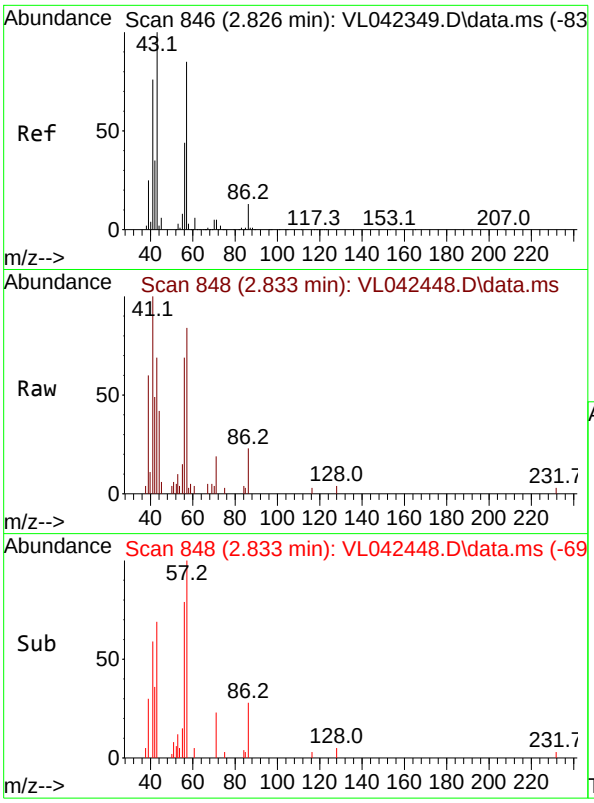


#20
Methylene Chloride
Concen: 0.311 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 84 Resp: 2278

Ion	Ratio	Lower	Upper
84	100		
49	222.7	111.6	167.4#
51	61.9	35.1	52.7#
86	78.2	48.9	73.3#

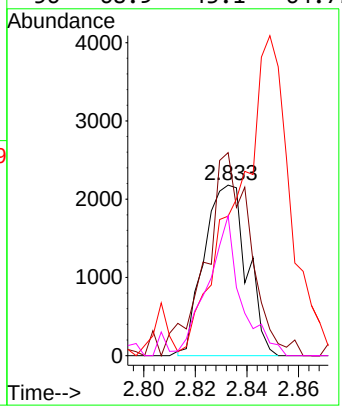




#26
Hexane
Concen: 0.135 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 57 Resp: 250

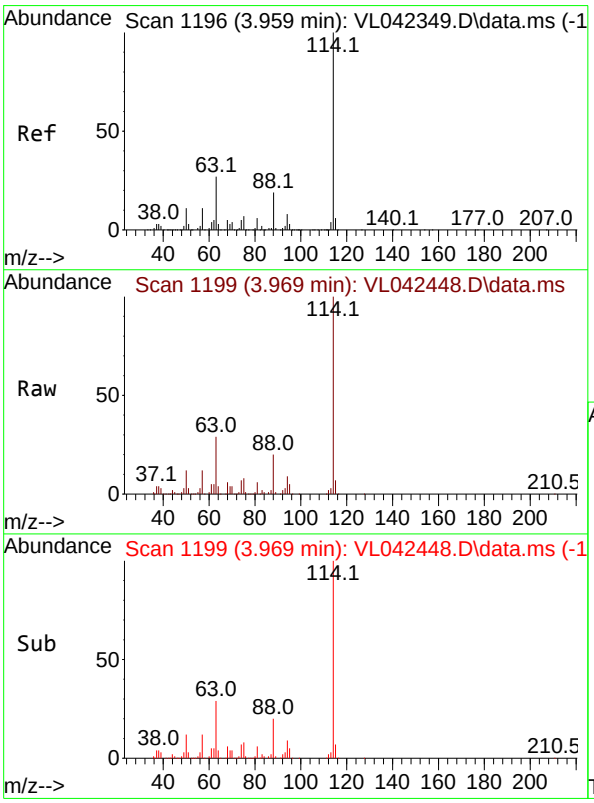
Ion	Ratio	Lower	Upper
57	100		
41	127.1	77.9	116.9#
43	265.2	208.4	312.6
56	68.9	43.1	64.7#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
APPROVED

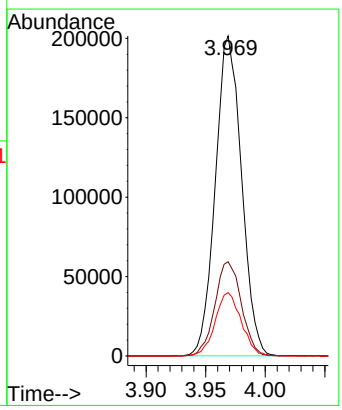
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

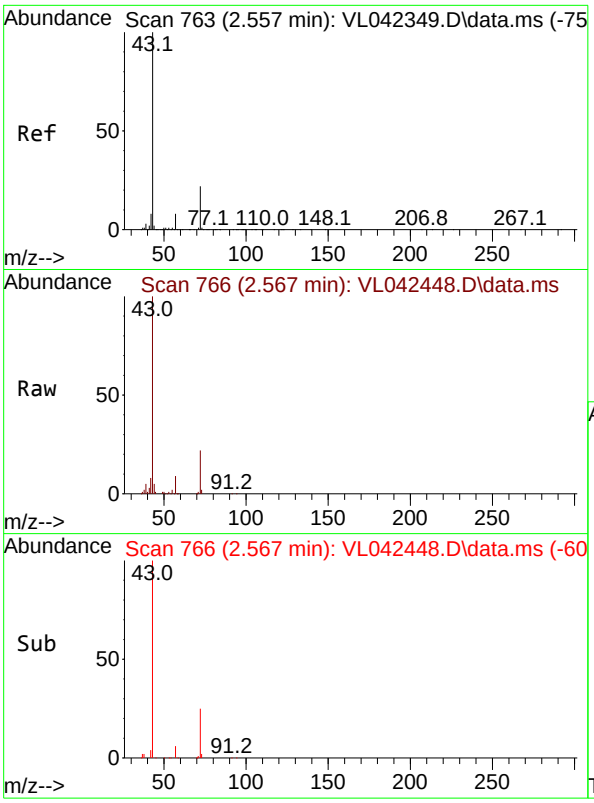


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:114 Resp: 307114

Ion	Ratio	Lower	Upper
114	100		
63	29.9	21.8	32.6
88	19.8	15.5	23.3





#34
2-Butanone
Concen: 2.095 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

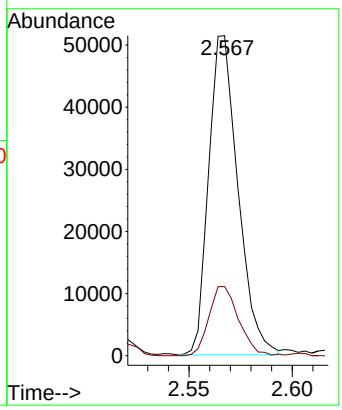
Tgt Ion: 43 Resp: 5088

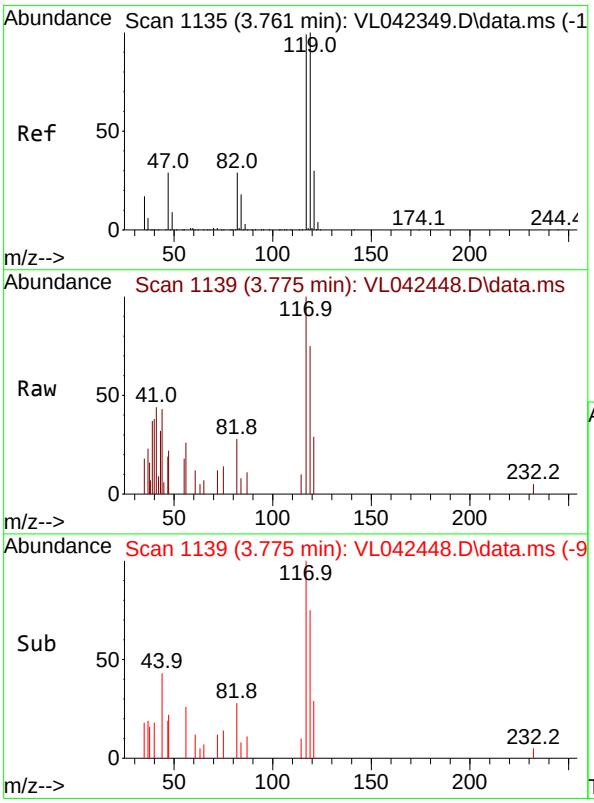
Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

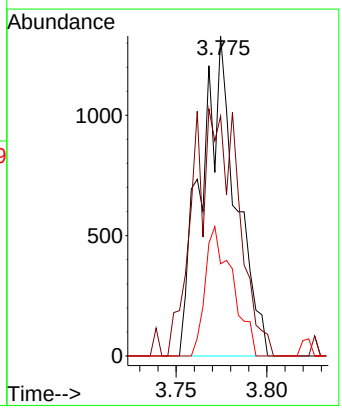


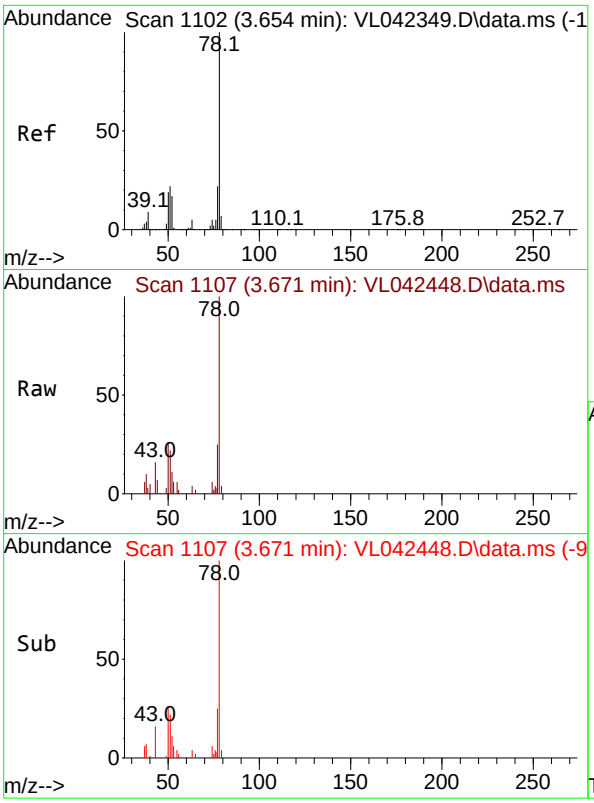


#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 3.775 min Scan# 1139
Delta R.T. 0.013 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:117 Resp: 1775

Ion	Ratio	Lower	Upper
117	100		
119	75.0	80.5	120.7#
121	28.8	24.2	36.2

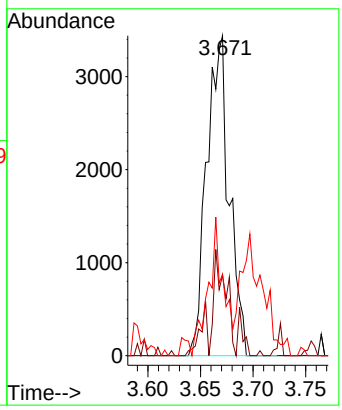




#36
Benzene
Concen: 0.153 ppbv m
RT: 3.671 min Scan# 1
Delta R.T. 0.017 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 78 Resp: 508

Ion	Ratio	Lower	Upper
78	100		
77	25.2	17.4	26.0
50	25.5	15.5	23.3#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
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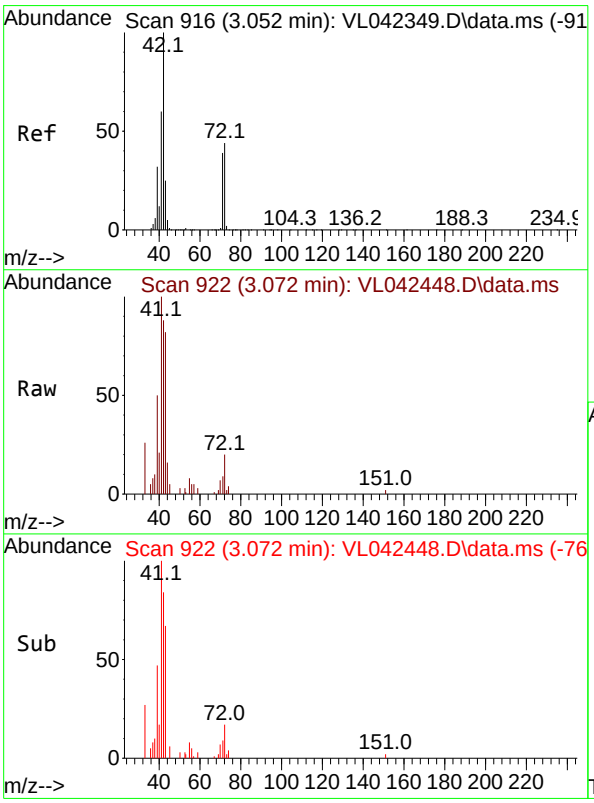
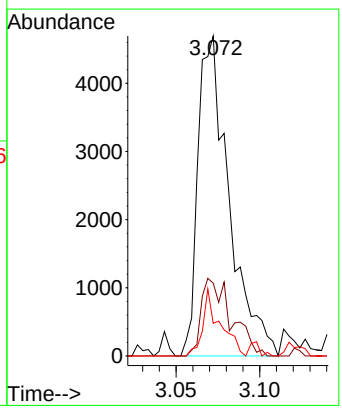
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

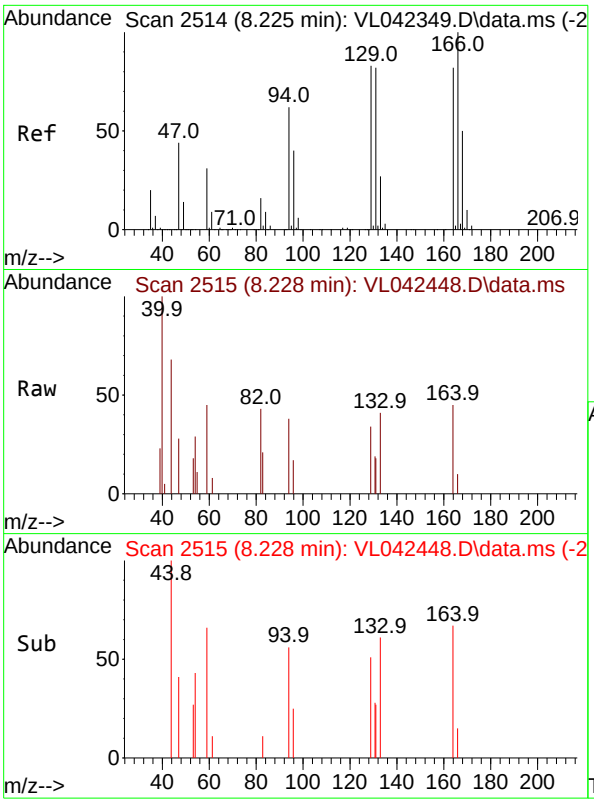


#41
Tetrahydrofuran
Concen: 0.428 ppbv m
RT: 3.072 min Scan# 922
Delta R.T. 0.020 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 42 Resp: 6063

Ion	Ratio	Lower	Upper
42	100		
72	23.5	32.3	48.5#
71	12.9	31.4	47.2#

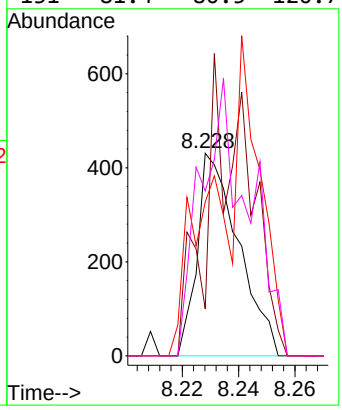




#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 8.228 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:164 Resp: 43

Ion	Ratio	Lower	Upper
164	100		
166	23.2	98.2	147.2#
129	60.6	81.8	122.8#
131	81.4	80.5	120.7



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
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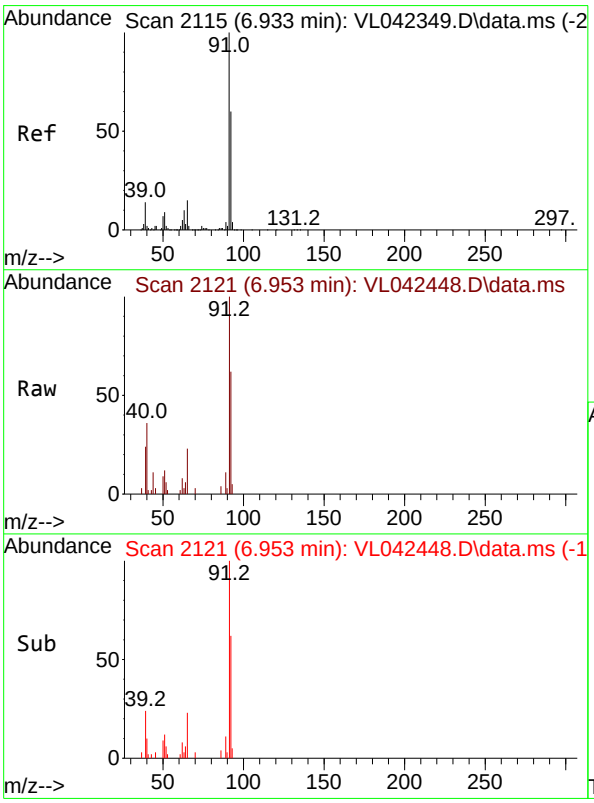
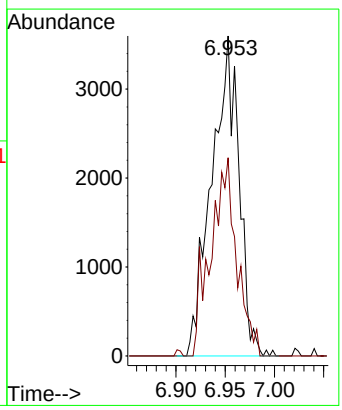
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

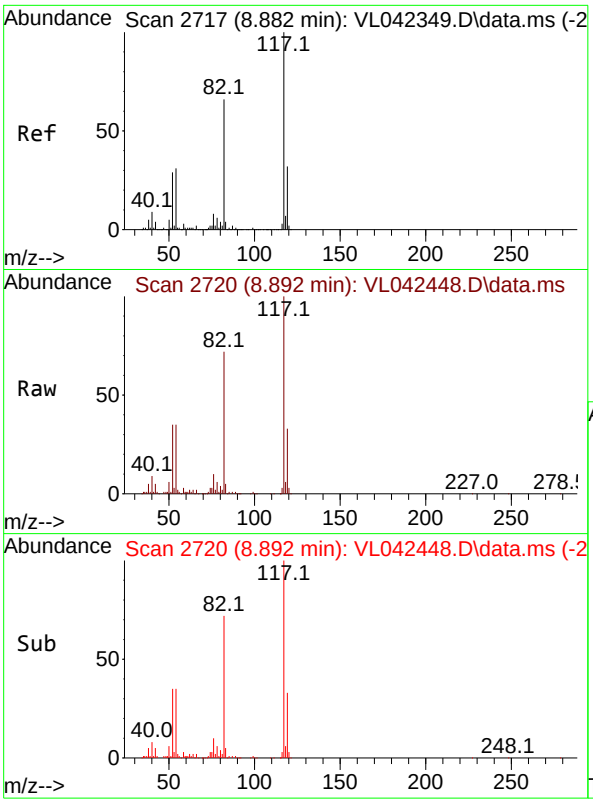


#53
Toluene
Concen: 0.174 ppbv m
RT: 6.953 min Scan# 2121
Delta R.T. 0.020 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 91 Resp: 6920

Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.2	72.4

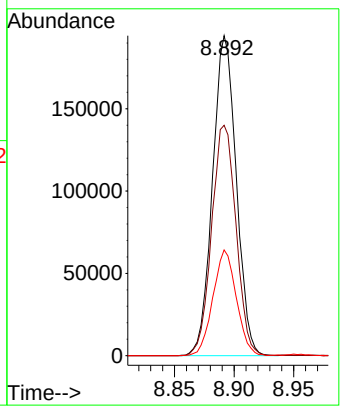




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:117 Resp: 26891

Ion	Ratio	Lower	Upper
117	100		
82	74.1	57.8	86.6
119	32.7	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
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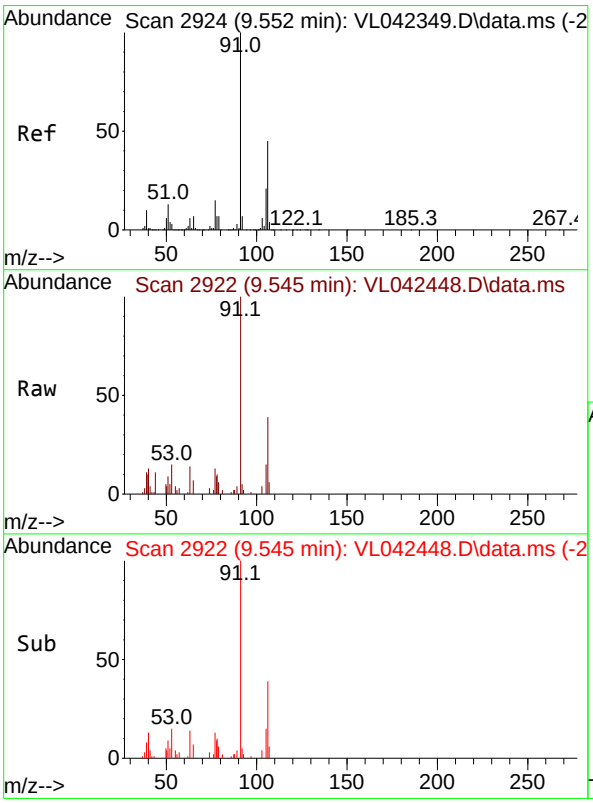
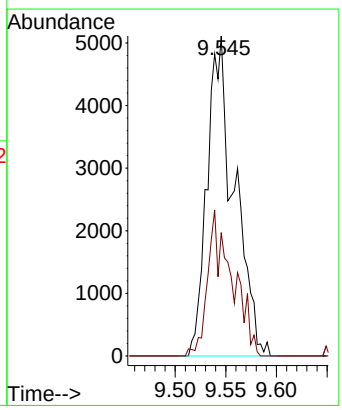
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

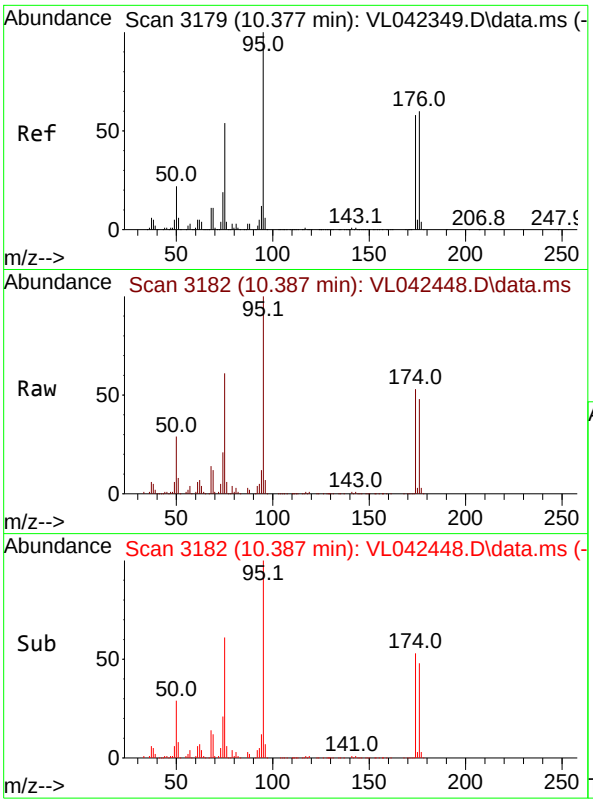


#59
m/p-Xylene
Concen: 0.223 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.006 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 91 Resp: 9556

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

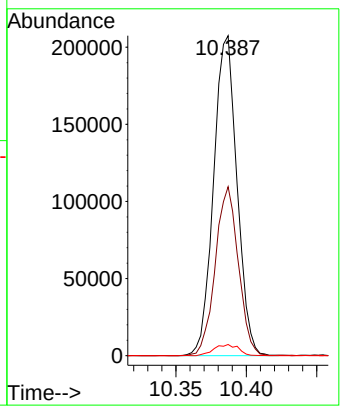




#68
1-Bromo-4-Fluorobenzene
Concen: 10.847 ppbv
RT: 10.387 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 95 Resp: 23968

Ion	Ratio	Lower	Upper
95	100		
174	52.2	48.5	72.7
175	3.7	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-SS01-20250422DL	SDG No.:	Q1880
Lab Sample ID:	Q1880-07DL	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
VL042441.D	10		04/29/25 12:02	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	24.7	UD	10.4	24.7	ug/m3
74-87-3	Chloromethane	5.00	10.3	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.30	0.77	UD	0.36	0.77	ug/m3
74-83-9	Bromomethane	5.00	19.4	UD	5.44	19.4	ug/m3
75-00-3	Chloroethane	5.00	13.2	UD	4.49	13.2	ug/m3
109-99-9	Tetrahydrofuran	5.00	14.8	UD	3.83	14.8	ug/m3
75-69-4	Trichlorofluoromethane	5.00	28.1	UD	8.99	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	38.3	UD	12.3	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	5.00	35.0	UD	6.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	3.50	10.6	JD	5.76	15.2	ug/m3
142-82-5	Heptane	5.00	20.5	UD	4.51	20.5	ug/m3
75-35-4	1,1-Dichloroethene	5.00	19.8	UD	5.55	19.8	ug/m3
67-64-1	Acetone	21.9	52.0	D	5.70	11.9	ug/m3
75-15-0	Carbon Disulfide	5.00	15.6	UD	4.98	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	5.00	18.0	UD	4.33	18.0	ug/m3
75-09-2	Methylene Chloride	5.00	17.4	UD	6.60	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	5.00	19.8	UD	7.53	19.8	ug/m3
75-34-3	1,1-Dichloroethane	5.00	20.2	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	5.00	17.2	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	2.60	7.67	JD	3.54	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.30	1.89	UD	0.69	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	5.00	19.8	UD	3.53	19.8	ug/m3
67-66-3	Chloroform	5.00	24.4	UD	4.05	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.30	1.64	UD	0.55	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	5.00	23.4	UD	4.67	23.4	ug/m3
71-43-2	Benzene	5.00	16.0	UD	2.78	16.0	ug/m3
107-06-2	1,2-Dichloroethane	5.00	20.2	UD	3.68	20.2	ug/m3
79-01-6	Trichloroethene	0.30	1.61	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	5.00	23.1	UD	5.08	23.1	ug/m3
75-27-4	Bromodichloromethane	5.00	33.5	UD	5.16	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	5.00	20.5	UD	3.81	20.5	ug/m3
108-88-3	Toluene	5.00	18.8	UD	4.15	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	5.00	22.7	UD	2.72	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	5.00	22.7	UD	2.91	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	5.00	27.3	UD	3.87	27.3	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-SS01-20250422DL	SDG No.:	Q1880
Lab Sample ID:	Q1880-07DL	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
VL042441.D	10		04/29/25 12:02	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	5.00	42.6	UD	5.62	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1.00	7.69	UD	5.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.30	2.03	UD	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	5.00	23.0	UD	3.50	23.0	ug/m3
100-41-4	Ethyl Benzene	5.00	21.7	UD	5.21	21.7	ug/m3
179601-23-1	m/p-Xylene	10.0	43.4	UD	9.12	43.4	ug/m3
95-47-6	o-Xylene	5.00	21.7	UD	5.21	21.7	ug/m3
100-42-5	Styrene	5.00	21.3	UD	4.68	21.3	ug/m3
75-25-2	Bromoform	5.00	51.7	UD	5.89	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.30	2.06	UD	0.76	2.06	ug/m3
95-49-8	2-Chlorotoluene	5.00	25.9	UD	5.70	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	5.00	24.6	UD	5.41	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.00	24.6	UD	3.83	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	5.00	30.1	UD	4.81	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	5.00	30.1	UD	3.19	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	5.00	30.1	UD	4.51	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	5.00	37.1	UD	6.31	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	5.00	53.3	UD	9.07	53.3	ug/m3
106-99-0	1,3-Butadiene	5.00	11.1	UD	2.88	11.1	ug/m3
91-20-3	Naphthalene	1.00	5.24	UD	3.93	5.24	ug/m3
622-96-8	4-Ethyltoluene	5.00	24.6	UD	5.90	24.6	ug/m3
110-54-3	Hexane	5.00	17.6	UD	3.88	17.6	ug/m3
107-05-1	Allyl Chloride	5.00	15.7	UD	4.70	15.7	ug/m3
123-91-1	1,4-Dioxane	5.00	18.0	UD	7.57	18.0	ug/m3
80-62-6	Methyl Methacrylate	5.00	20.5	UD	3.52	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	120000		2.787			
540-36-3	1,4-Difluorobenzene	316000		3.959			
3114-55-4	Chlorobenzene-d5	264000		8.882			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-SS01-20250422DL	SDG No.:	Q1880
Lab Sample ID:	Q1880-07DL	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
VL042441.D	10		04/29/25 12:02	VL042925

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\VL042925\
Data File : VL042441.D
Acq On : 29 Apr 2025 12:02
Operator : SY/MD
Sample : Q1880-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	120274	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	315854	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	264275	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	230129	10.597	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.000%				
Target Compounds							Qvalue
13) Ethanol	1.722	45	29902	20.415	ppbv		77
15) Acetone	1.836	43	43049	2.186	ppbv		97
17) tert-Butyl alcohol	2.043	59	8565	0.351	ppbv	#	82
19) Isopropyl Alcohol	1.887	45	12664	1.158	ppbv	#	27
34) 2-Butanone	2.561	43	6473m	0.259	ppbv		

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

Quantitation Report (QT Reviewed)

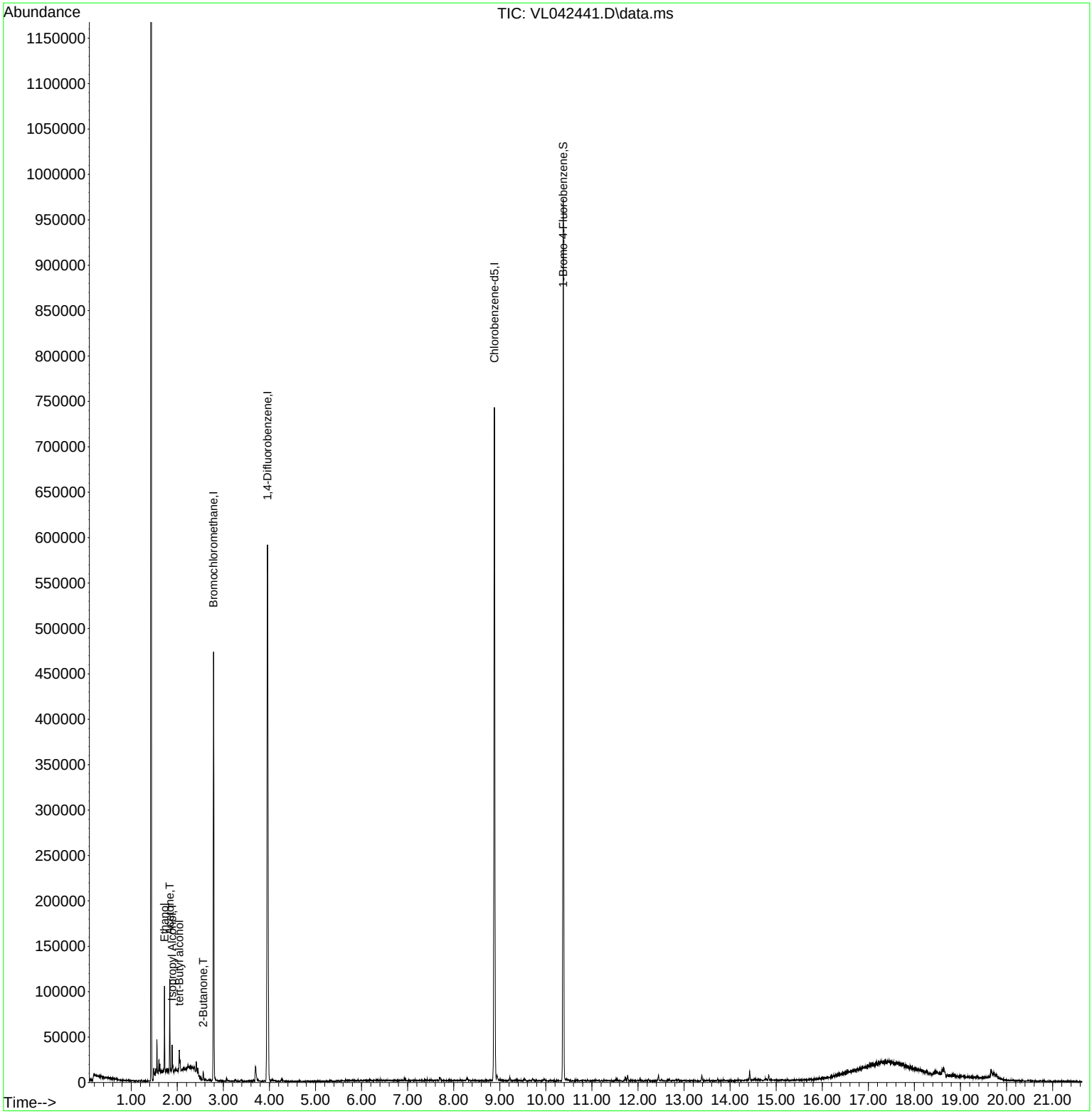
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042441.D
Acq On : 29 Apr 2025 12:02
Operator : SY/MD
Sample : Q1880-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

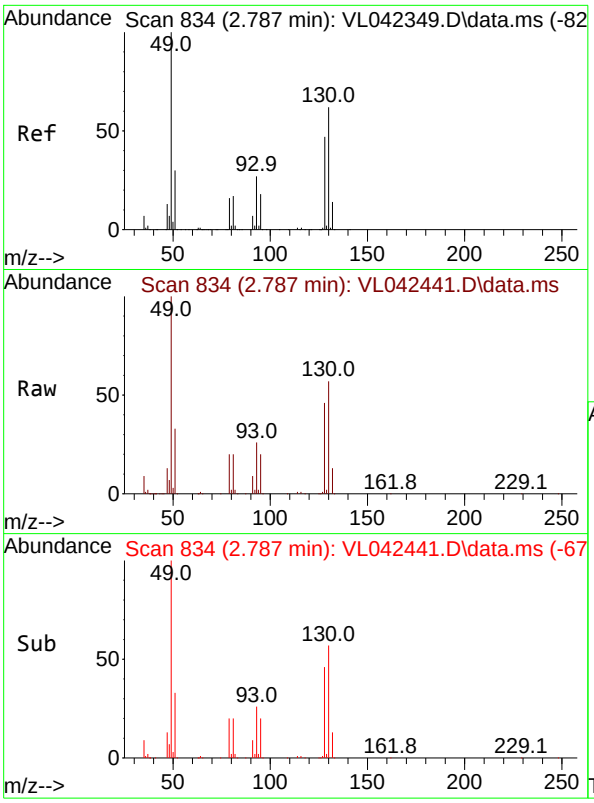
Quant Time: Apr 30 01:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

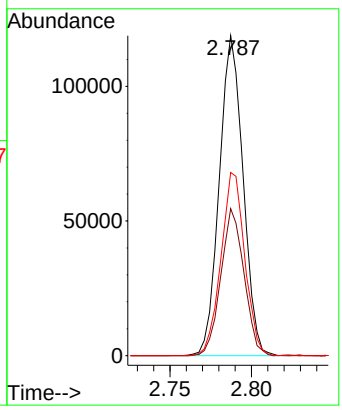




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 49 Resp: 12027

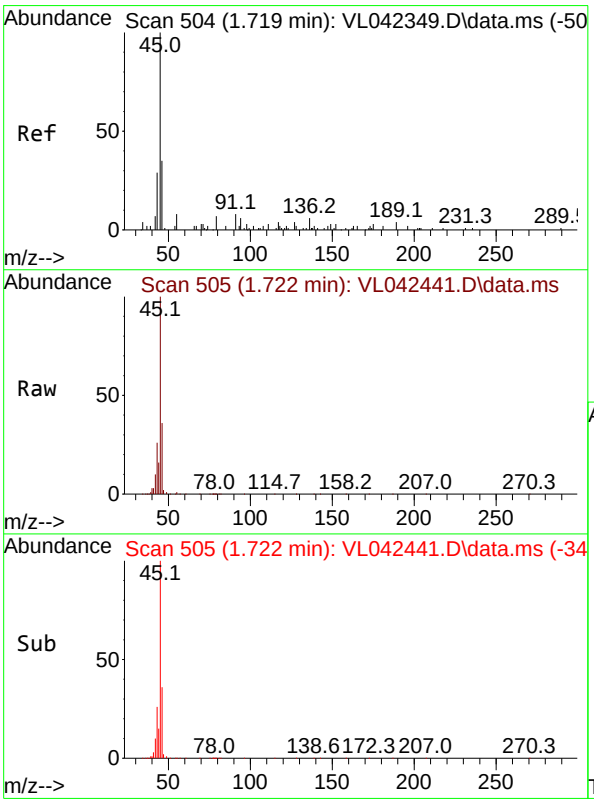
Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.8	68.4
130	57.5	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations
APPROVED

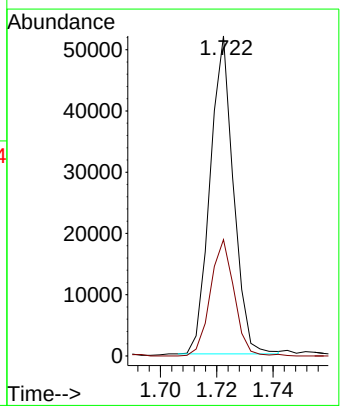
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

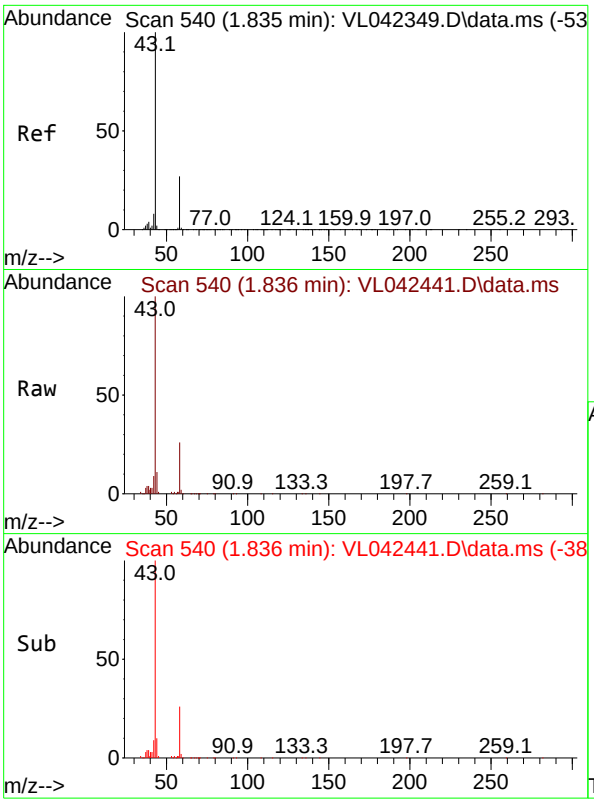


#13
Ethanol
Concen: 20.415 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 45 Resp: 29902

Ion	Ratio	Lower	Upper
45	100		
46	37.9	21.9	87.7

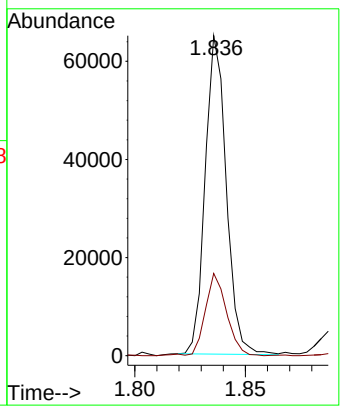




#15
Acetone
Concen: 2.186 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 43 Resp: 4304

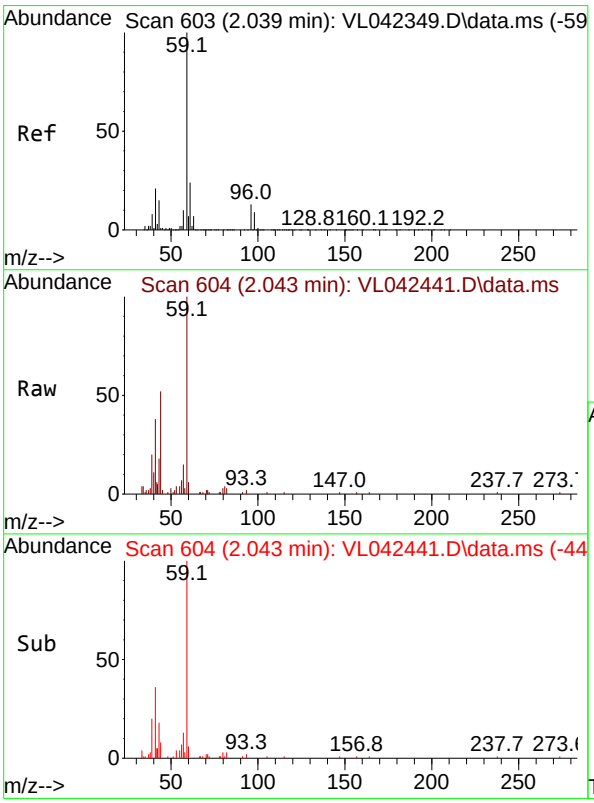
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations
APPROVED

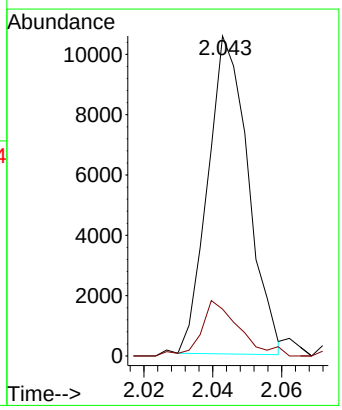
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

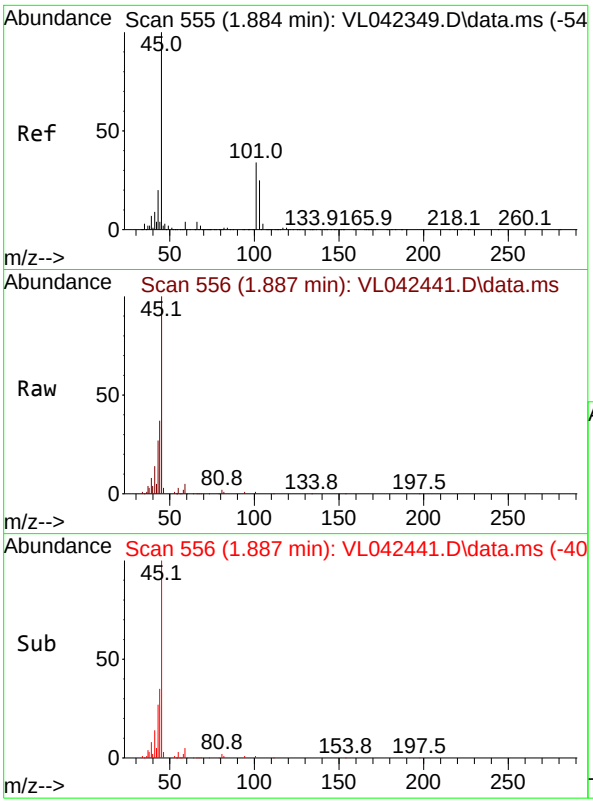


#17
tert-Butyl alcohol
Concen: 0.351 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 59 Resp: 8565

Ion	Ratio	Lower	Upper
59	100		
57	17.6	8.7	13.1#





#19
Isopropyl Alcohol
Concen: 1.158 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

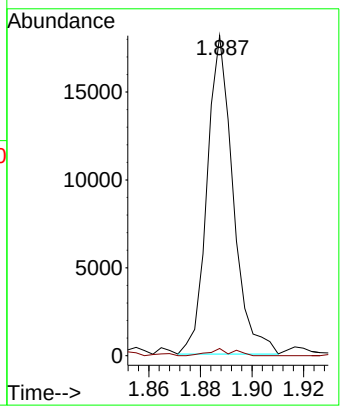
Tgt Ion: 45 Resp: 1266

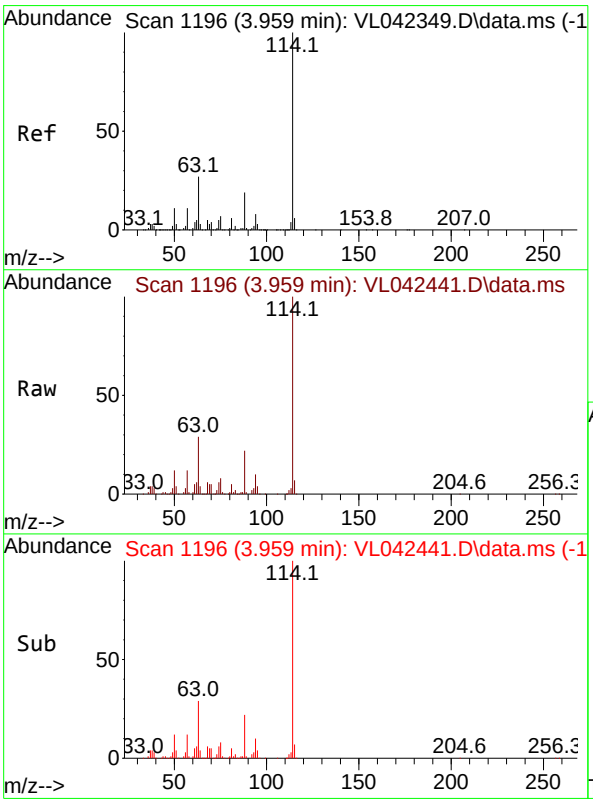
Ion	Ratio	Lower	Upper
45	100		
58	90.0	34.5	51.7

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

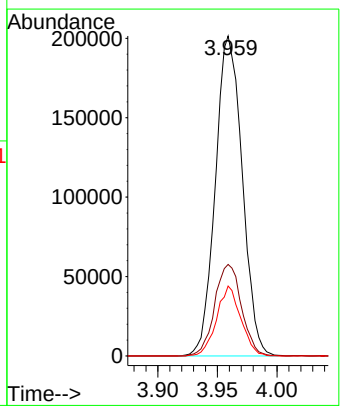


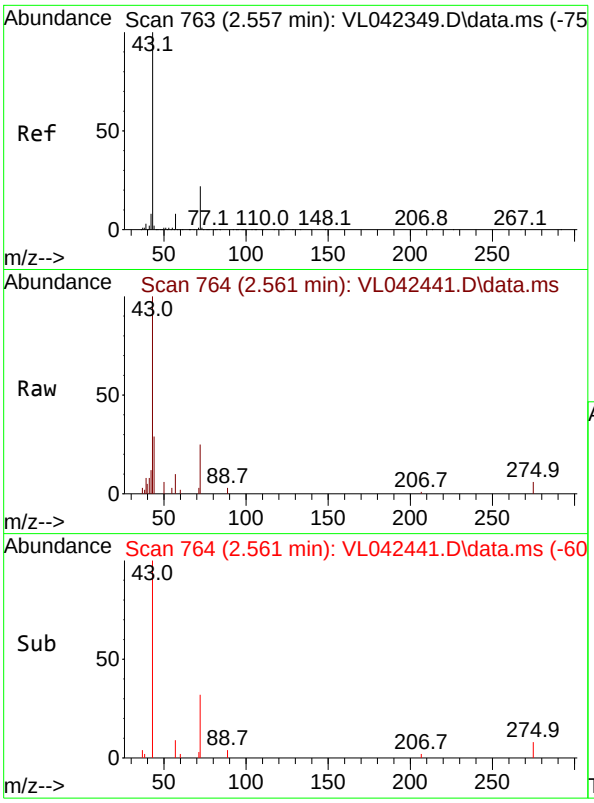


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion:114 Resp: 315854

Ion	Ratio	Lower	Upper
114	100		
63	28.6	21.8	32.6
88	19.6	15.5	23.3





#34
2-Butanone
Concen: 0.259 ppbv m
RT: 2.561 min Scan# 7
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

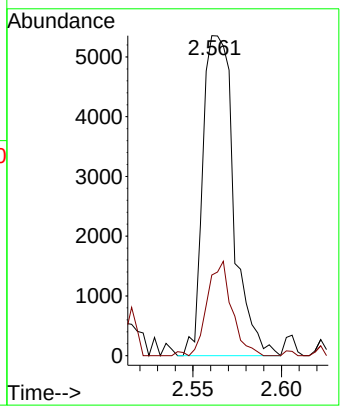
Tgt Ion: 43 Resp: 647

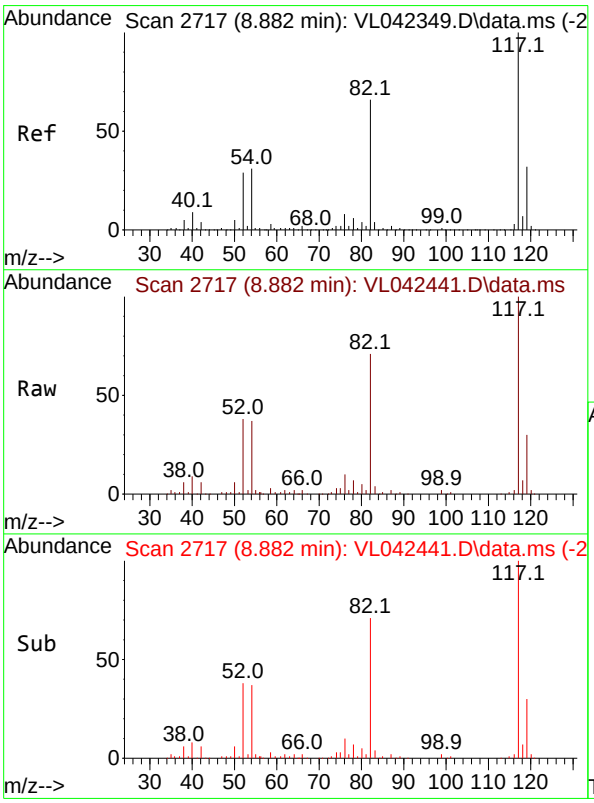
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

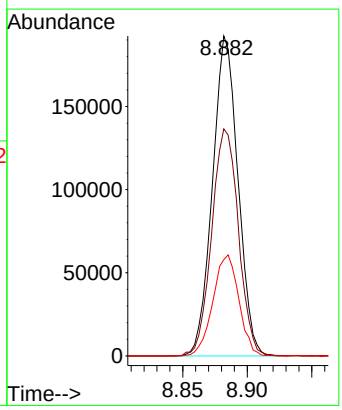


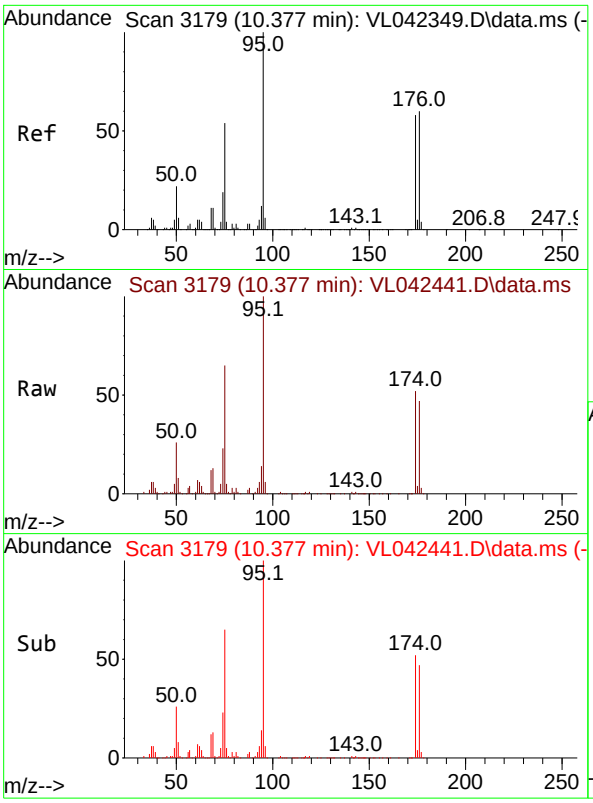


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion:117 Resp: 264275

Ion	Ratio	Lower	Upper
117	100		
82	74.2	57.8	86.6
119	32.2	25.2	37.8

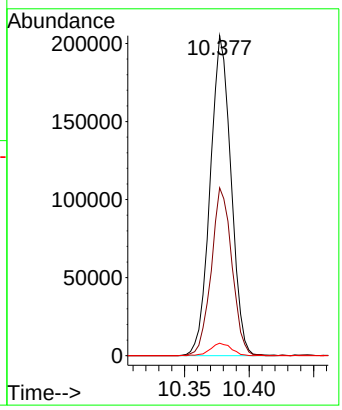




#68
1-Bromo-4-Fluorobenzene
Concen: 10.597 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 95 Resp: 23012

Ion	Ratio	Lower	Upper
95	100		
174	52.0	48.5	72.7
175	4.0	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-IA01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-08	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
VL042428.D	1		04/28/25 16:16	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.51	2.52		1.04	2.47	ug/m3
74-87-3	Chloromethane	0.58	1.20		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.24	1.35	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	4.30	10.2		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.41	1.42	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.41	1.21	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	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	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.41	1.55	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	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:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-IA01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-08	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
VL042428.D	1		04/28/25 16:16	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	131000		2.787			
540-36-3	1,4-Difluorobenzene	360000		3.955			
3114-55-4	Chlorobenzene-d5	306000		8.878			

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-IA01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-08	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
VL042428.D	1		04/28/25 16:16	VL042825

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\VL042825\
Data File : VL042428.D
Acq On : 28 Apr 2025 16:16
Operator : SY/MD
Sample : Q1880-08
Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 29 01:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	130703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	360136	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	306395	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	265930	10.562	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11832	0.512	ppbv #	87
3) Chlorodifluoromethane	1.473	51	5632m	0.256	ppbv	
4) Chloromethane	1.531	50	5307	0.581	ppbv	91
9) Propene	1.486	41	4882	0.488	ppbv #	15
11) Trichlorofluoromethane	1.878	101	5326	0.243	ppbv	93
13) Ethanol	1.719	45	208480	130.977	ppbv	75
15) Acetone	1.835	43	92451m	4.321	ppbv	
19) Isopropyl Alcohol	1.887	45	26353	2.217	ppbv #	29
20) Methylene Chloride	2.062	84	3426	0.409	ppbv	87
26) Hexane	2.823	57	2441	0.114	ppbv #	65
30) Cyclohexane	3.855	84	1851m	0.107	ppbv	
34) 2-Butanone	2.560	43	11685	0.410	ppbv	97
35) Carbon Tetrachloride	3.765	117	2336m	0.072	ppbv	
36) Benzene	3.654	78	4289	0.110	ppbv	99
53) Toluene	6.936	91	18874	0.405	ppbv	100
59) m/p-Xylene	9.529	91	7341m	0.150	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042428.D
Acq On : 28 Apr 2025 16:16
Operator : SY/MD
Sample : Q1880-08
Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 29 01:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
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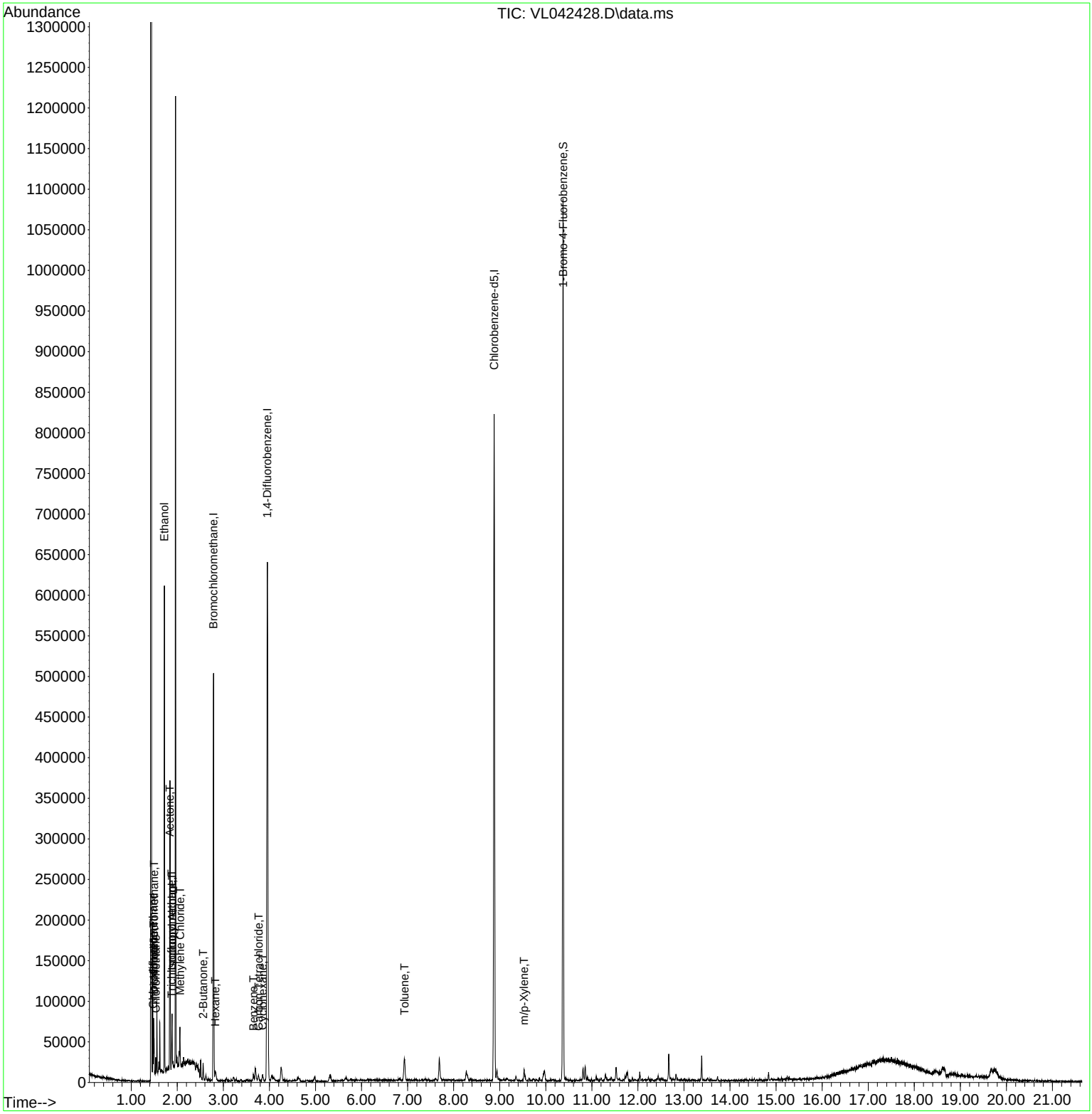
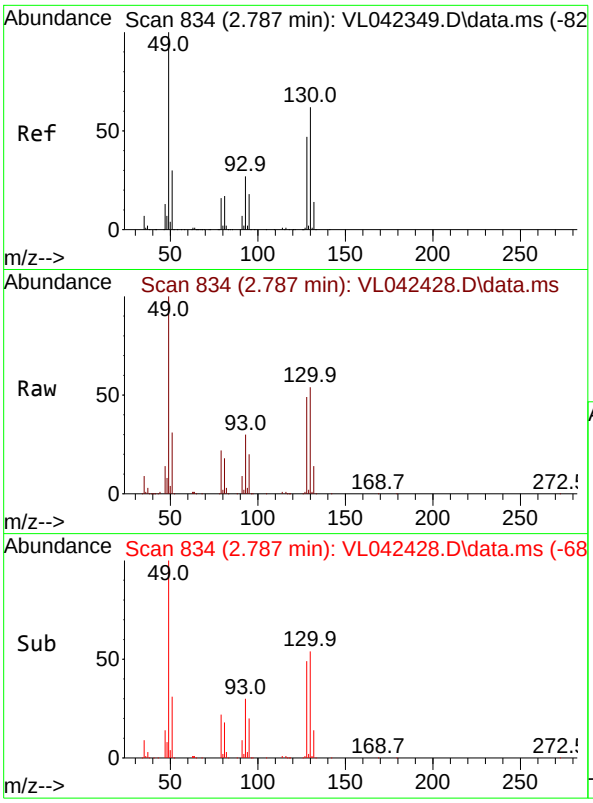
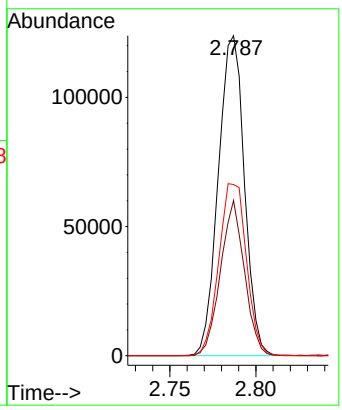




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 49 Resp: 13070

Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.8	68.4
130	57.0	29.3	88.0



Instrument :
MSVOA_L
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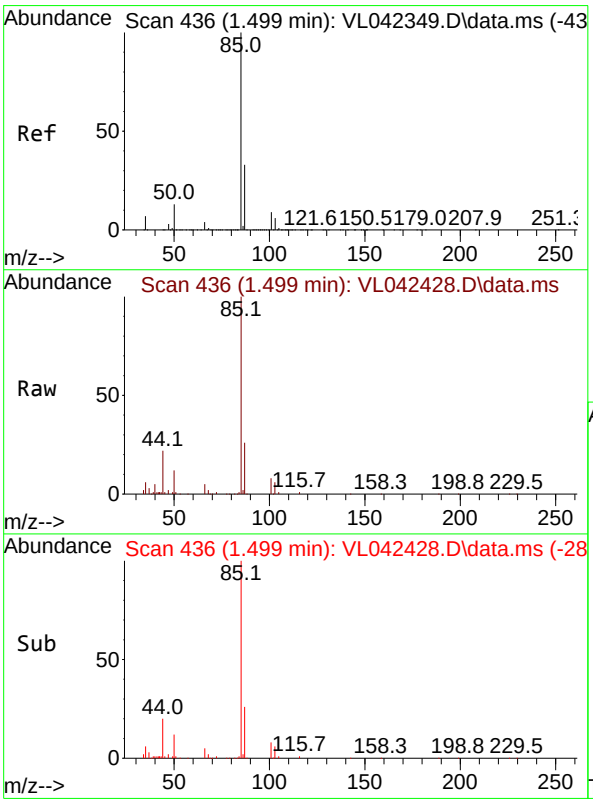
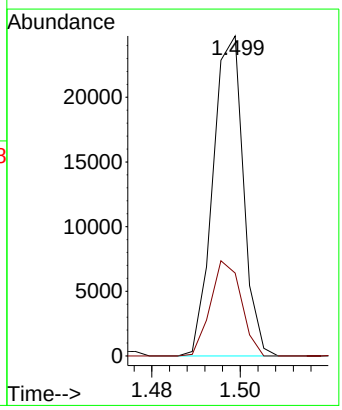
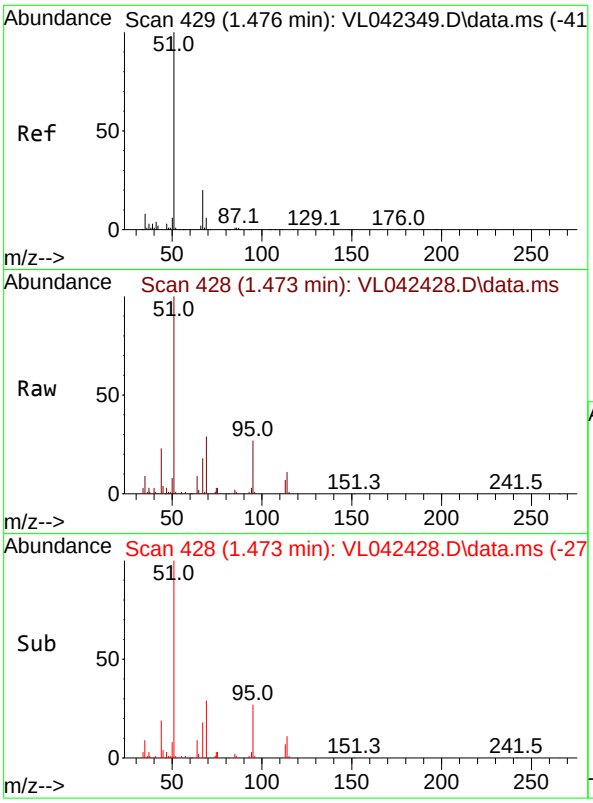


#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 85 Resp: 11832

Ion	Ratio	Lower	Upper
85	100		
87	25.9	26.6	39.8#

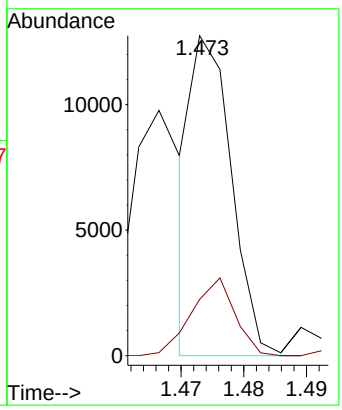




#3
Chlorodifluoromethane
Concen: 0.256 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 51 Resp: 563

Ion	Ratio	Lower	Upper
51	100		
67	7.6	16.2	24.4



Instrument :
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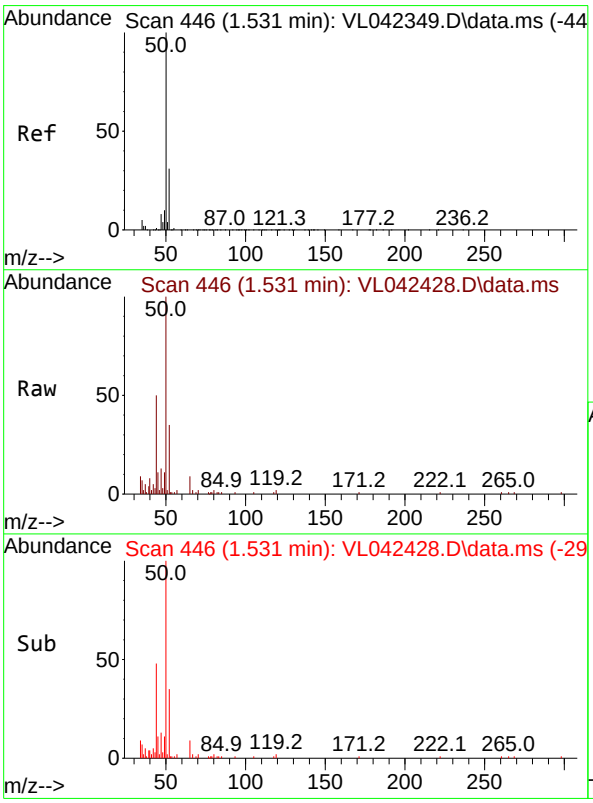
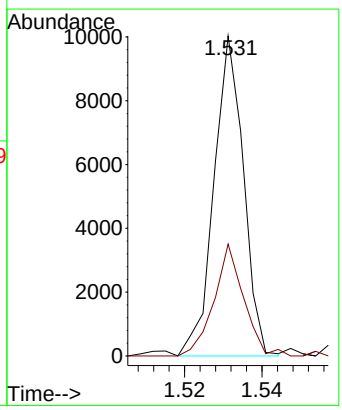
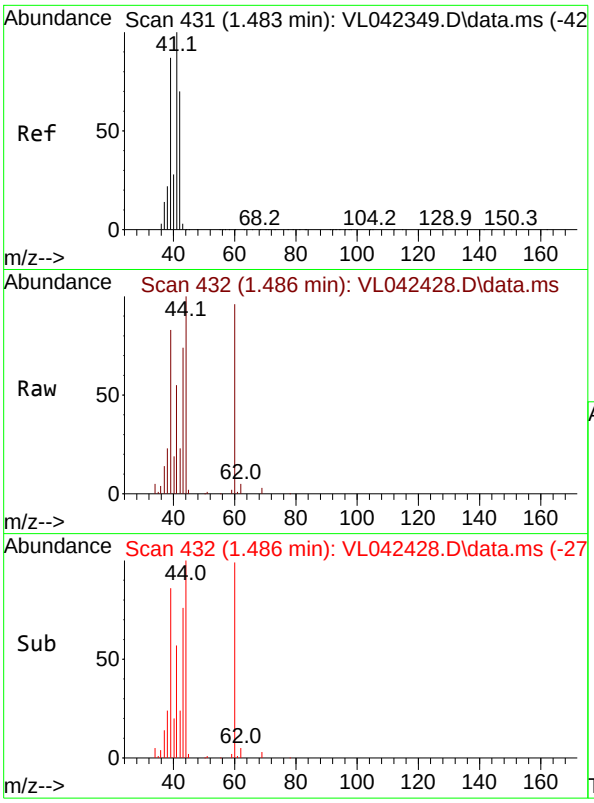


#4
Chloromethane
Concen: 0.581 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 50 Resp: 5307

Ion	Ratio	Lower	Upper
50	100		
52	35.6	24.7	37.1





#9
Propene
Concen: 0.488 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 41 Resp: 488

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4

Instrument :
MSVOA_L
ClientSampleId :
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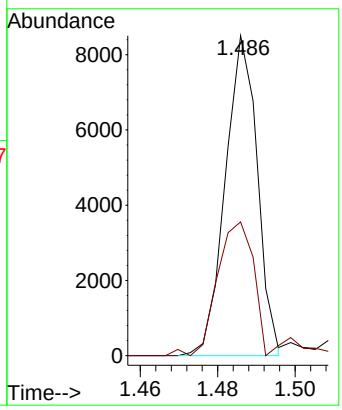
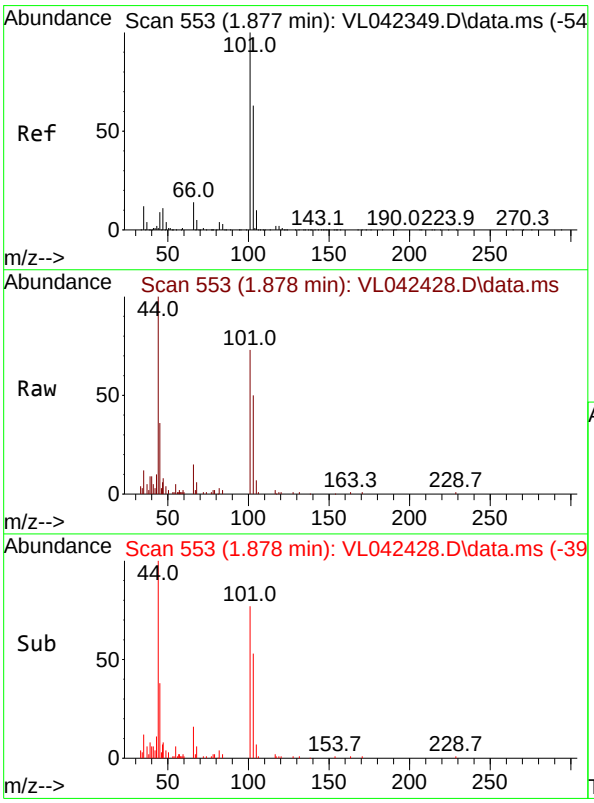
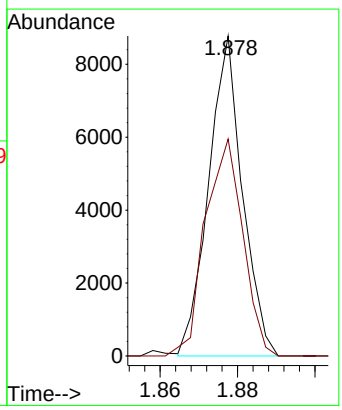


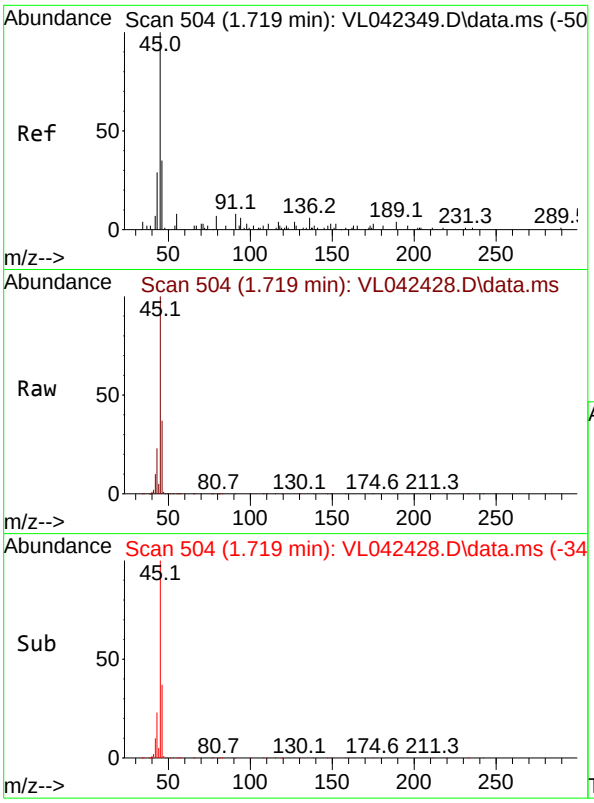


#11
Trichlorofluoromethane
Concen: 0.243 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:101 Resp: 5326

Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.1	75.1

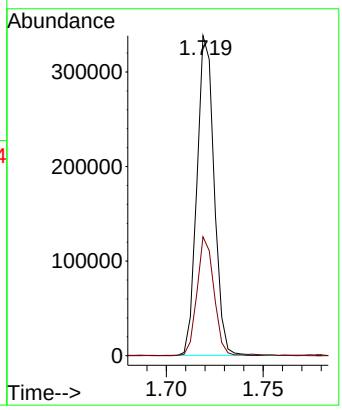




#13
Ethanol
Concen: 130.977 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 45 Resp: 20848

Ion	Ratio	Lower	Upper
45	100		
46	37.0	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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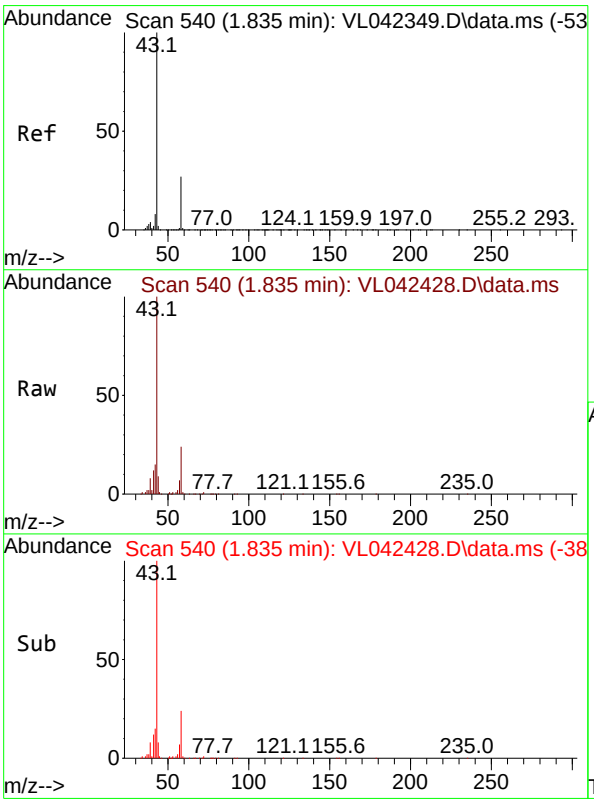
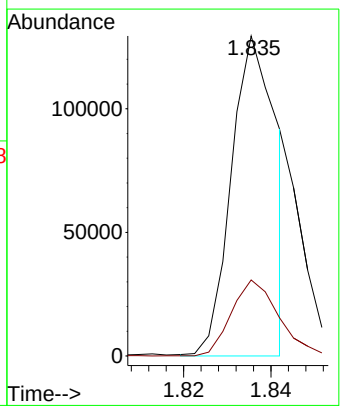
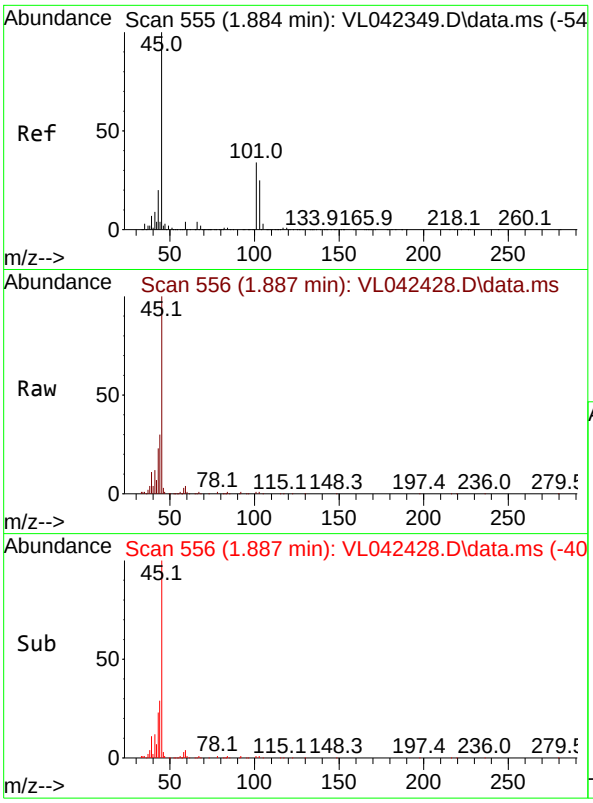


#15
Acetone
Concen: 4.321 ppbv m
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 43 Resp: 92451

Ion	Ratio	Lower	Upper
43	100		
58	25.3	22.4	33.6





#19
Isopropyl Alcohol
Concen: 2.217 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 45 Resp: 2635

Ion	Ratio	Lower	Upper
45	100		
58	88.6	34.5	51.7

Instrument :
MSVOA_L
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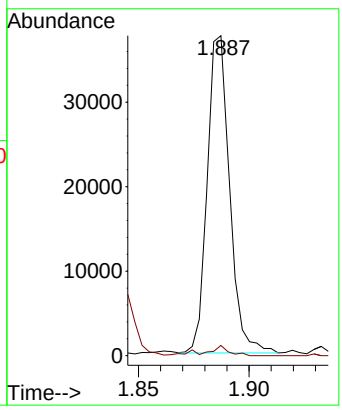
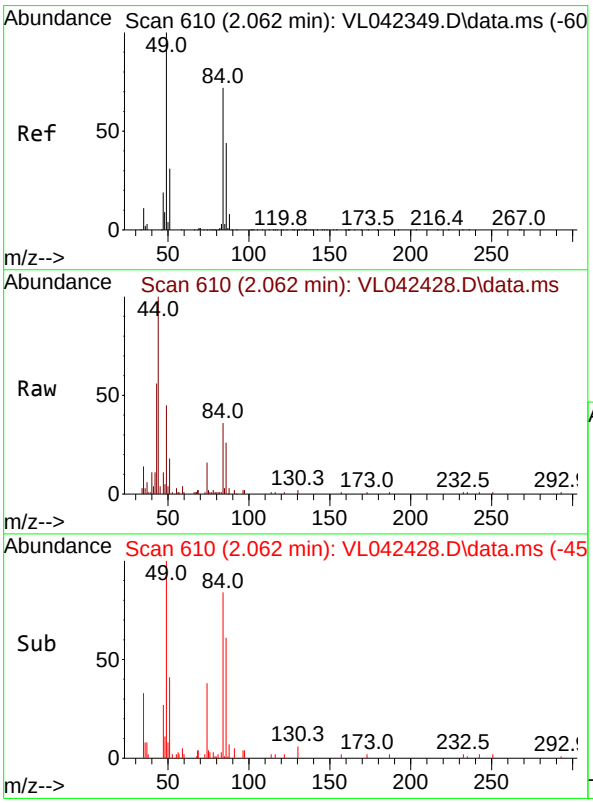
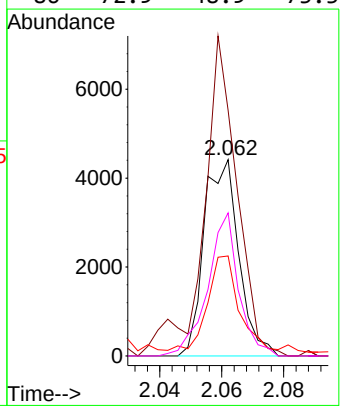


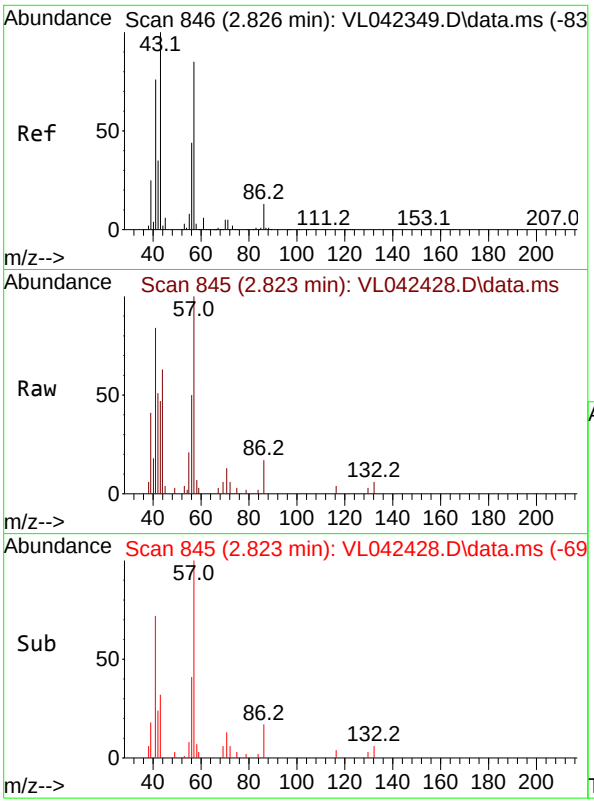


#20
Methylene Chloride
Concen: 0.409 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 84 Resp: 3426

Ion	Ratio	Lower	Upper
84	100		
49	122.4	111.6	167.4
51	47.7	35.1	52.7
86	72.9	48.9	73.3

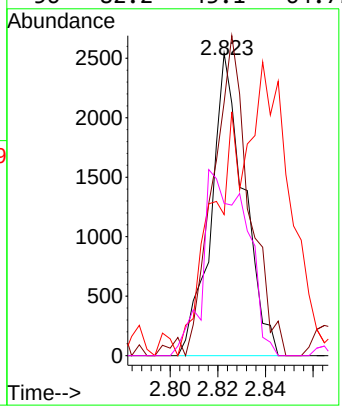




#26
Hexane
Concen: 0.114 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 57 Resp: 244

Ion	Ratio	Lower	Upper
57	100		
41	118.9	77.9	116.9#
43	192.0	208.4	312.6#
56	82.2	43.1	64.7#



Instrument :
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ClientSampleId :
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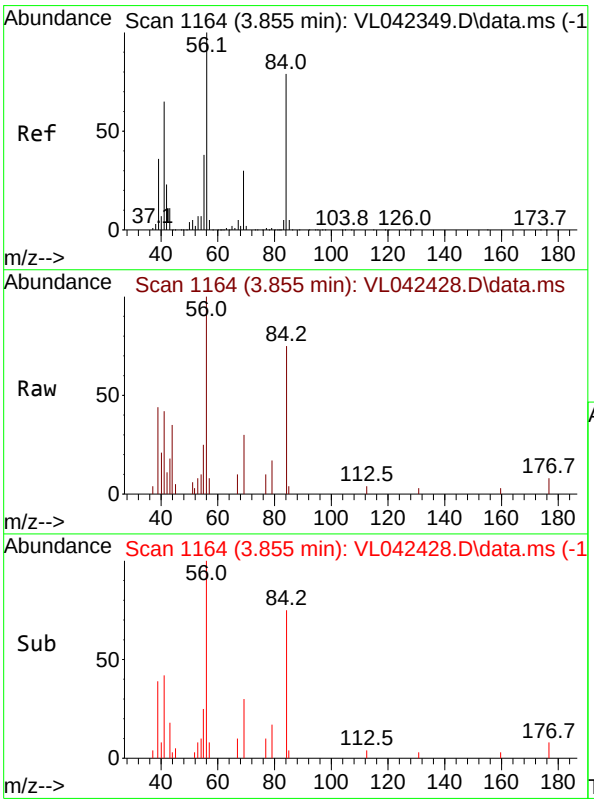
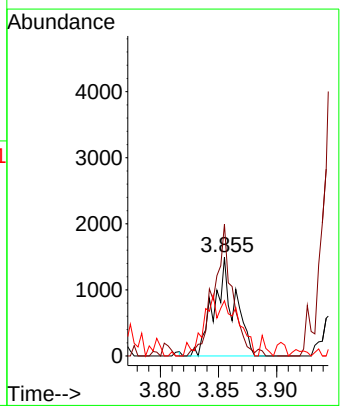
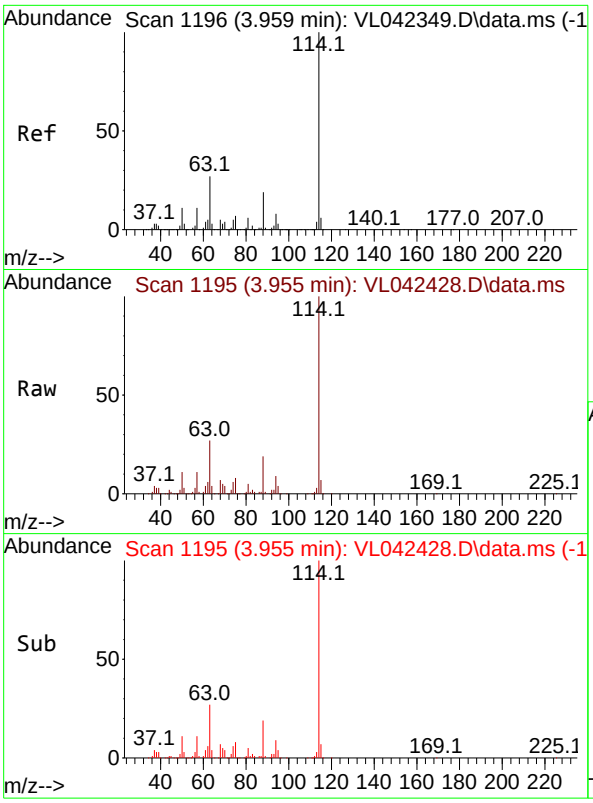


#30
Cyclohexane
Concen: 0.107 ppbv m
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 84 Resp: 1851

Ion	Ratio	Lower	Upper
84	100		
56	119.9	101.0	151.4
41	98.0	67.4	101.0

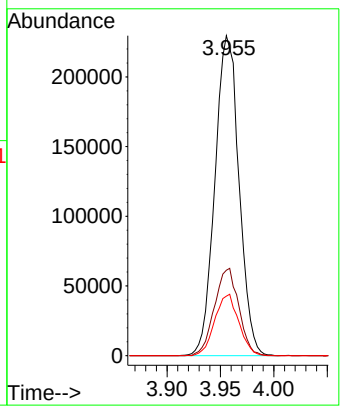




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:114 Resp: 36013

Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.8	32.6
88	19.1	15.5	23.3



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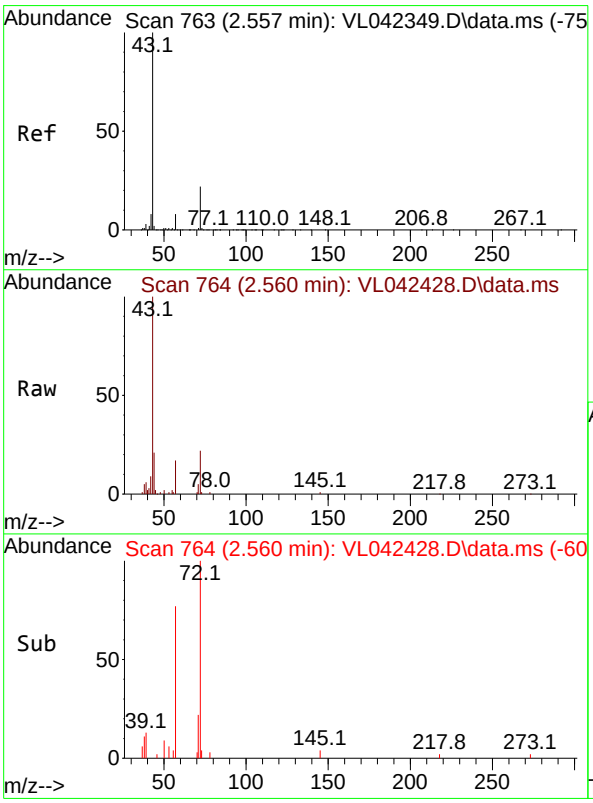
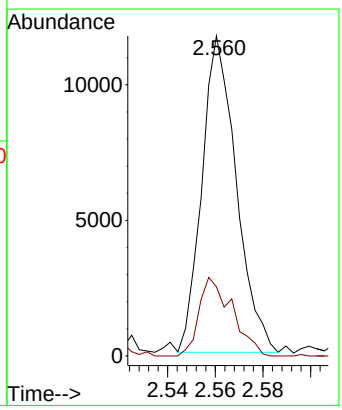
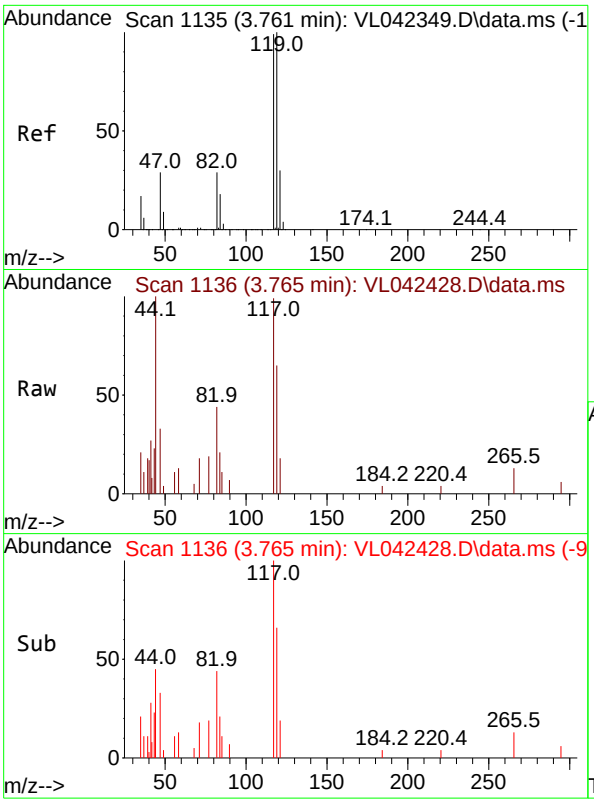


#34
2-Butanone
Concen: 0.410 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 43 Resp: 11685

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.2	27.2

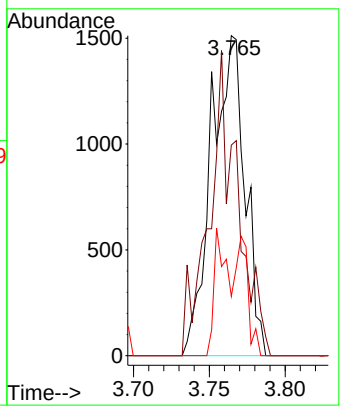




#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.765 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:117 Resp: 233

Ion	Ratio	Lower	Upper
117	100		
119	65.8	80.5	120.7#
121	18.6	24.2	36.2#



Instrument :
MSVOA_L
ClientSampleId :
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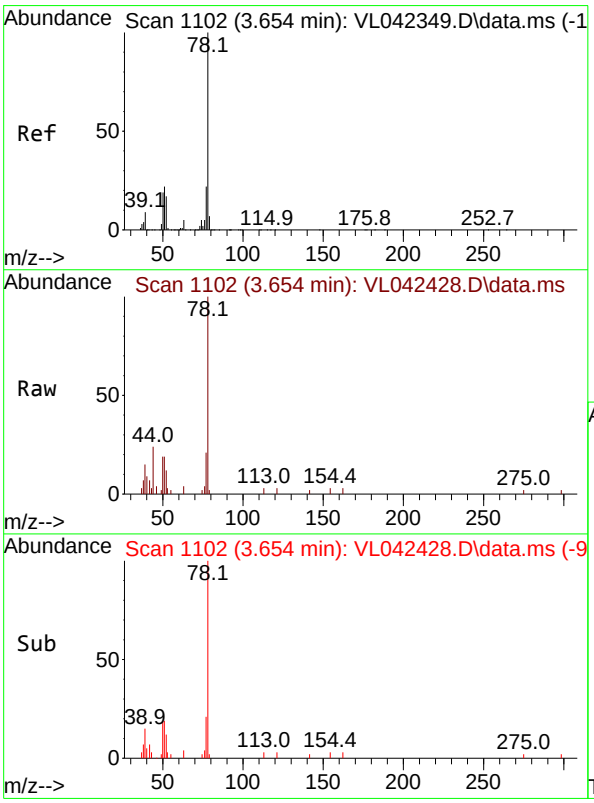
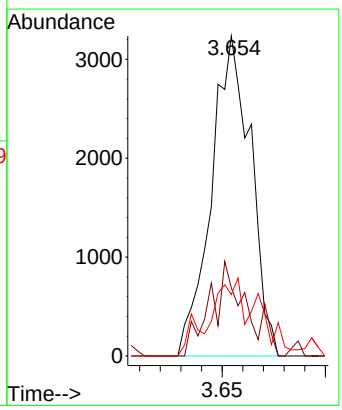
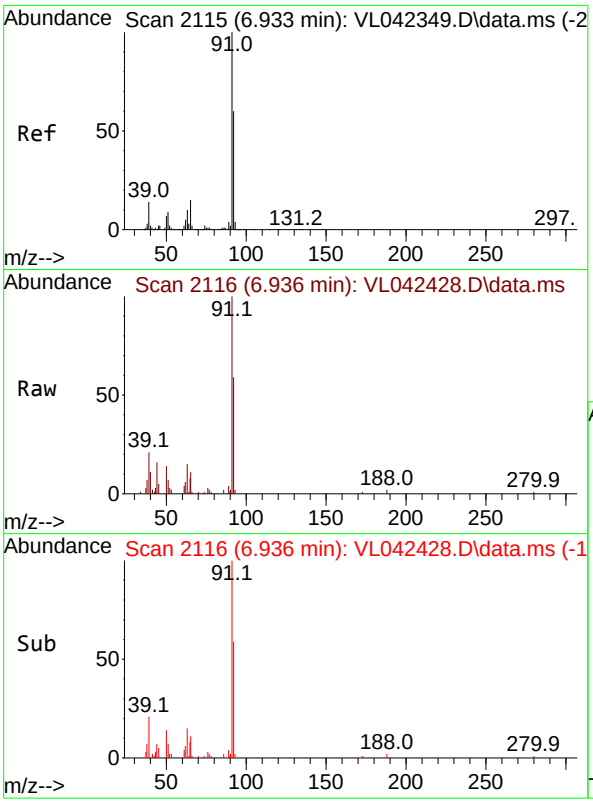


#36
Benzene
Concen: 0.110 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 78 Resp: 4289

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.4	26.0
50	19.2	15.5	23.3

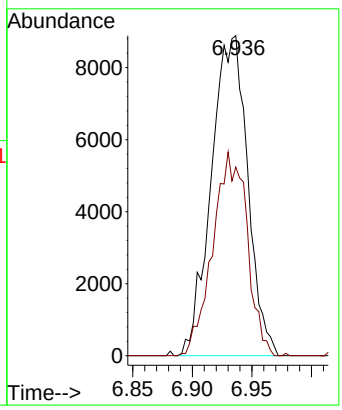




#53
Toluene
Concen: 0.405 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 91 Resp: 1887

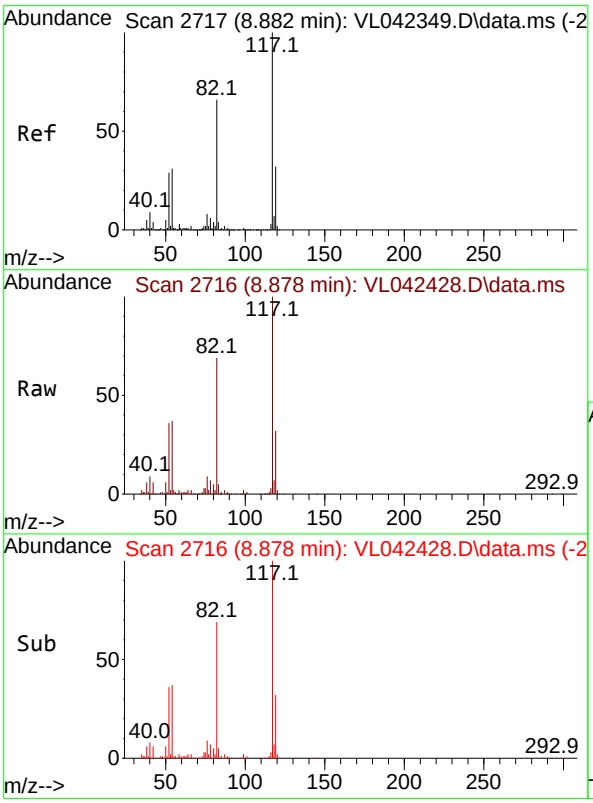
Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Manual Integrations
APPROVED

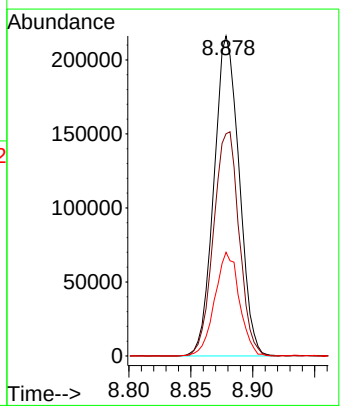
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

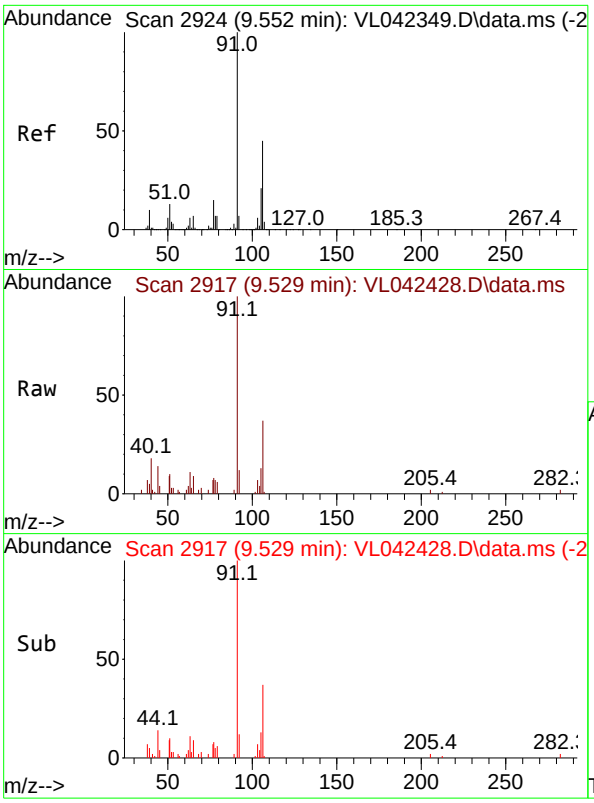


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:117 Resp: 306395

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.8	86.6
119	31.8	25.2	37.8





#59
m/p-Xylene
Concen: 0.150 ppbv m
RT: 9.529 min Scan# 2
Delta R.T. -0.023 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

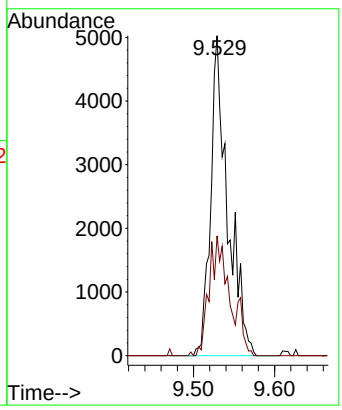
Tgt Ion: 91 Resp: 734

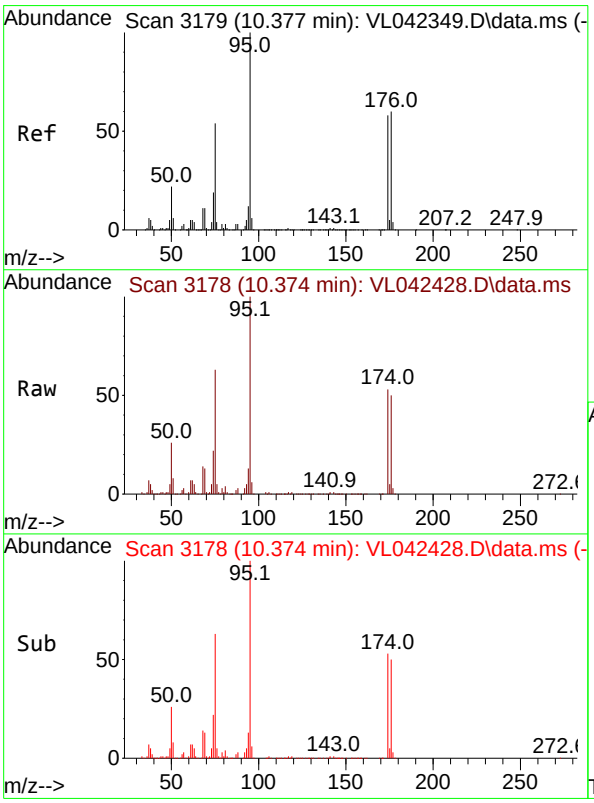
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

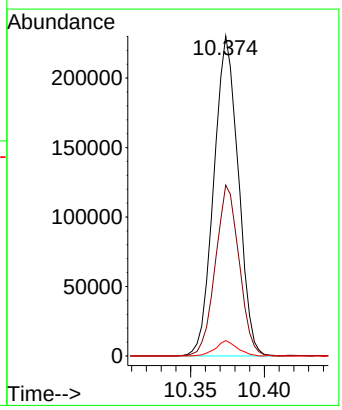




#68
1-Bromo-4-Fluorobenzene
Concen: 10.562 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 95 Resp: 265930

Ion	Ratio	Lower	Upper
95	100		
174	51.8	48.5	72.7
175	4.3	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-AA-DUP-01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-09	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
VL042433.D	1		04/28/25 19:08	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.51	2.52		1.04	2.47	ug/m3
74-87-3	Chloromethane	0.61	1.26		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.25	1.40	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	8.30	19.7		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	7.20	25.0		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.84	2.48		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.18	0.68	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-AA-DUP-01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-09	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
VL042433.D	1		04/28/25 19:08	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.050	0.34		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.26	1.13	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	J	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.27	1.33	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	4.50	15.9		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	11.0			65 - 135	110%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	124000		2.787			
540-36-3	1,4-Difluorobenzene	337000		3.959			
3114-55-4	Chlorobenzene-d5	286000		8.882			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-AA-DUP-01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-09	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
VL042433.D	1		04/28/25 19:08	VL042825

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\VL042825\
Data File : VL042433.D
Acq On : 28 Apr 2025 19:08
Operator : SY/MD
Sample : Q1880-09
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 29 01:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	124369	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	336623	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	285626	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	259048	11.037	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11120	0.506	ppbv		94
3) Chlorodifluoromethane	1.476	51	5358m	0.256	ppbv		
4) Chloromethane	1.531	50	5271	0.606	ppbv	#	88
9) Propene	1.489	41	4141	0.435	ppbv	#	76
11) Trichlorofluoromethane	1.878	101	5287m	0.253	ppbv		
13) Ethanol	1.722	45	16946	11.189	ppbv		77
15) Acetone	1.835	43	168143	8.259	ppbv		99
19) Isopropyl Alcohol	1.887	45	10020	0.886	ppbv	#	1
20) Methylene Chloride	2.062	84	57715	7.238	ppbv		94
26) Hexane	2.826	57	90698	4.465	ppbv	#	31
34) 2-Butanone	2.560	43	22290	0.837	ppbv		95
35) Carbon Tetrachloride	3.765	117	2110m	0.069	ppbv		
52) Tetrachloroethene	8.225	164	741m	0.053	ppbv		
53) Toluene	6.936	91	7665m	0.176	ppbv		
59) m/p-Xylene	9.529	91	11819m	0.259	ppbv		
60) o-Xylene	9.966	91	5458	0.119	ppbv		96
74) 1,2,4-Trimethylbenzene	11.536	105	15650m	0.270	ppbv		

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

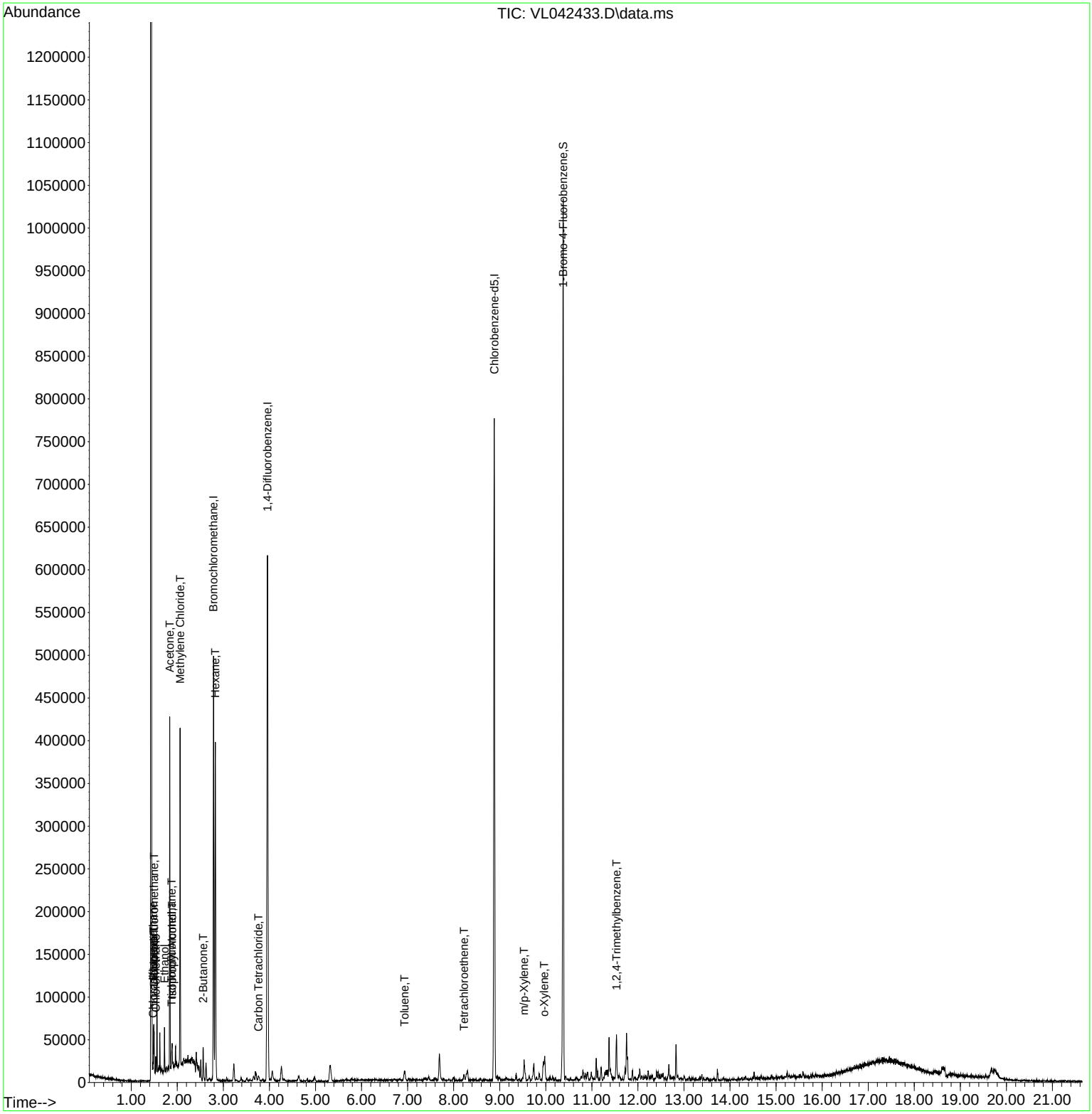
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042433.D
Acq On : 28 Apr 2025 19:08
Operator : SY/MD
Sample : Q1880-09
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

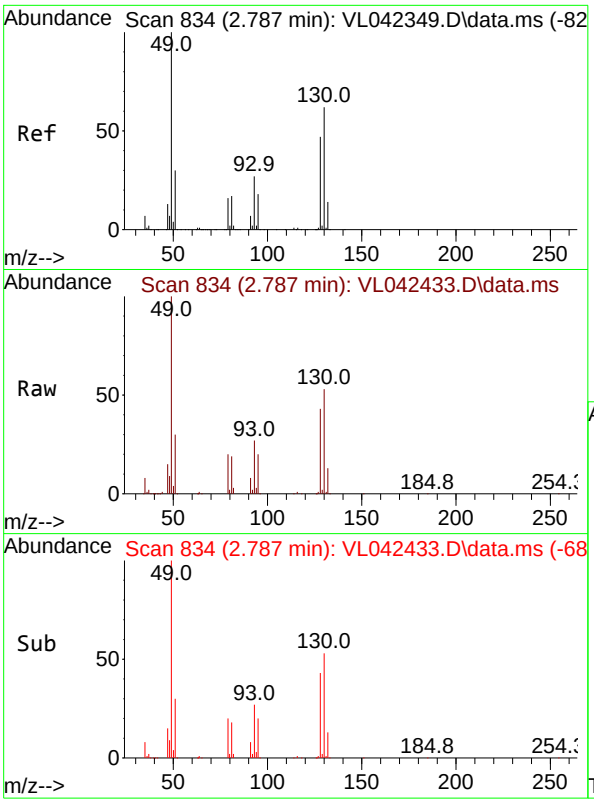
Quant Time: Apr 29 01:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

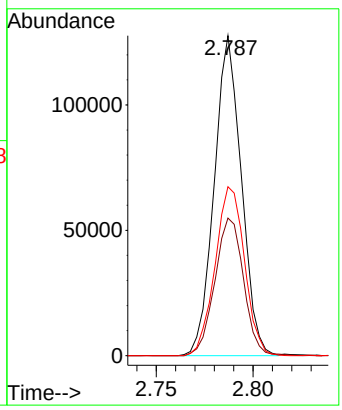




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 49 Resp: 12436

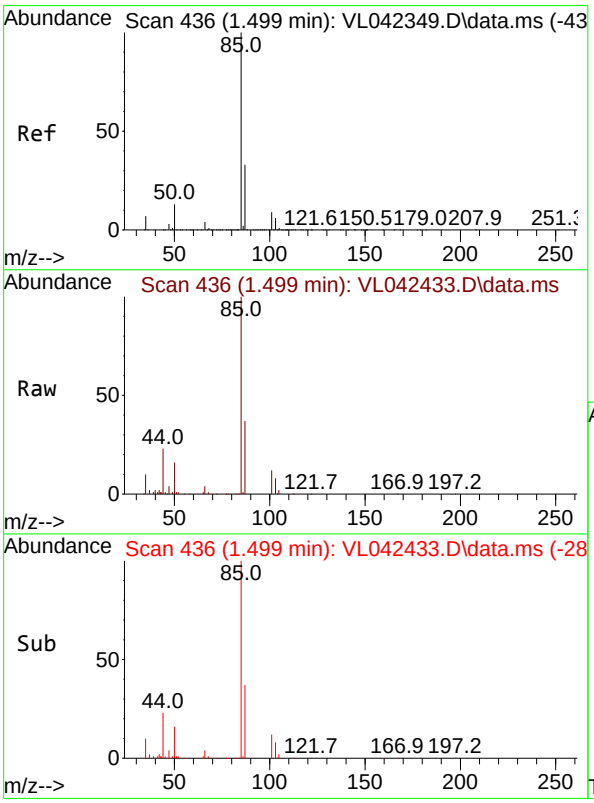
Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.8	68.4
130	57.4	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Manual Integrations
APPROVED

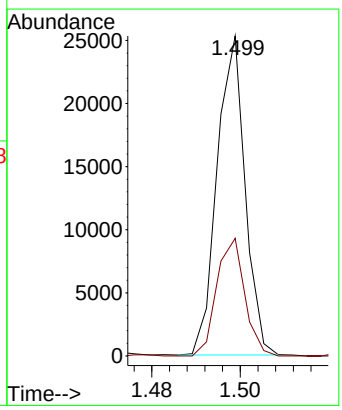
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

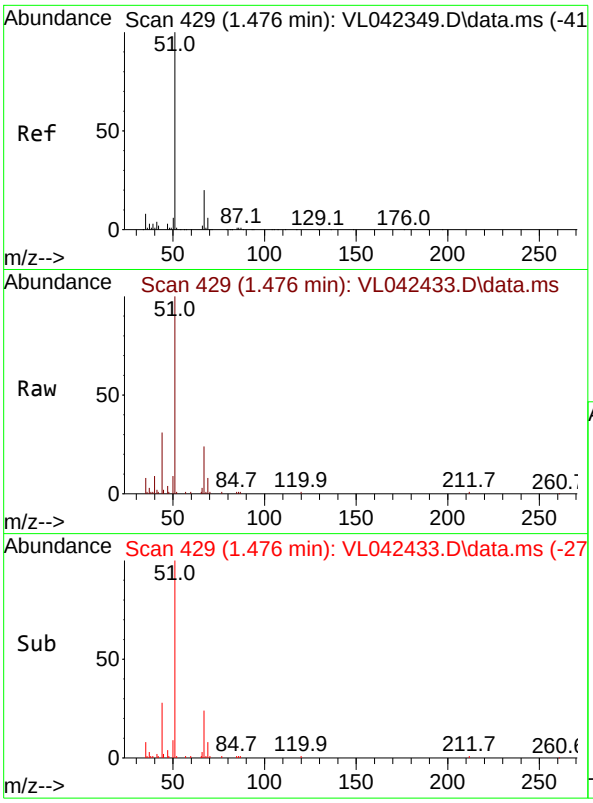


#2
Dichlorodifluoromethane
Concen: 0.506 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 85 Resp: 11120

Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.6	39.8

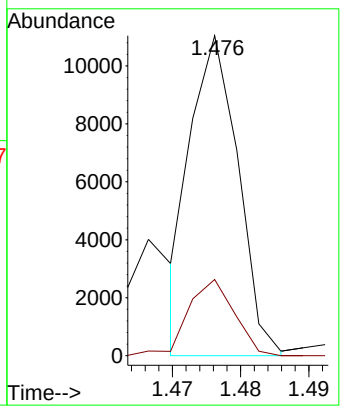




#3
Chlorodifluoromethane
Concen: 0.256 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 51 Resp: 535

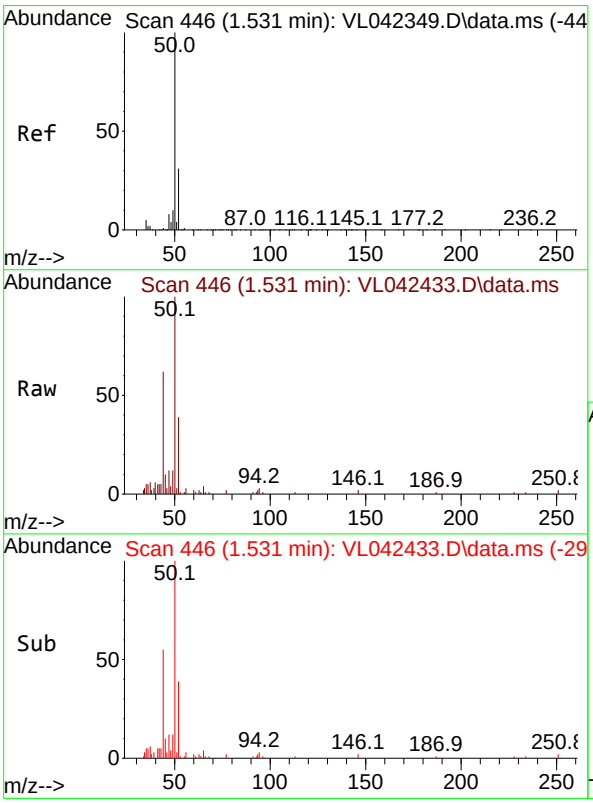
Ion	Ratio	Lower	Upper
51	100		
67	23.2	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Manual Integrations
APPROVED

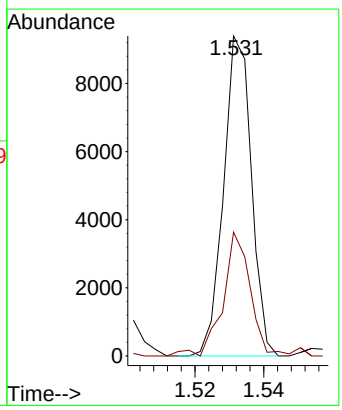
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

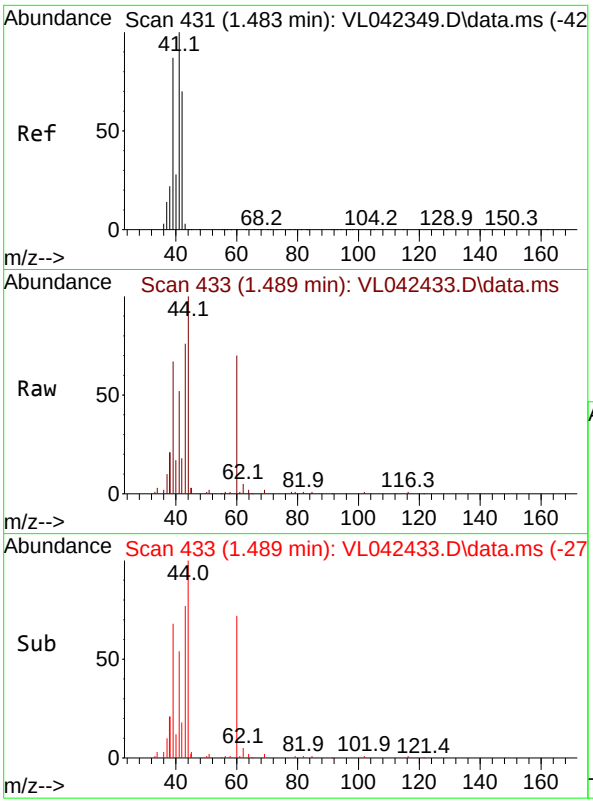


#4
Chloromethane
Concen: 0.606 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 50 Resp: 5271

Ion	Ratio	Lower	Upper
50	100		
52	37.4	24.7	37.1#

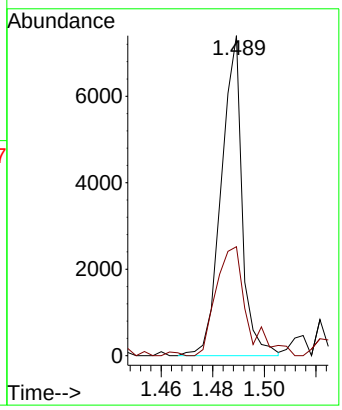




#9
Propene
Concen: 0.435 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 41 Resp: 414

Ion	Ratio	Lower	Upper
41	100		
42	50.9	56.2	84.4#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Manual Integrations
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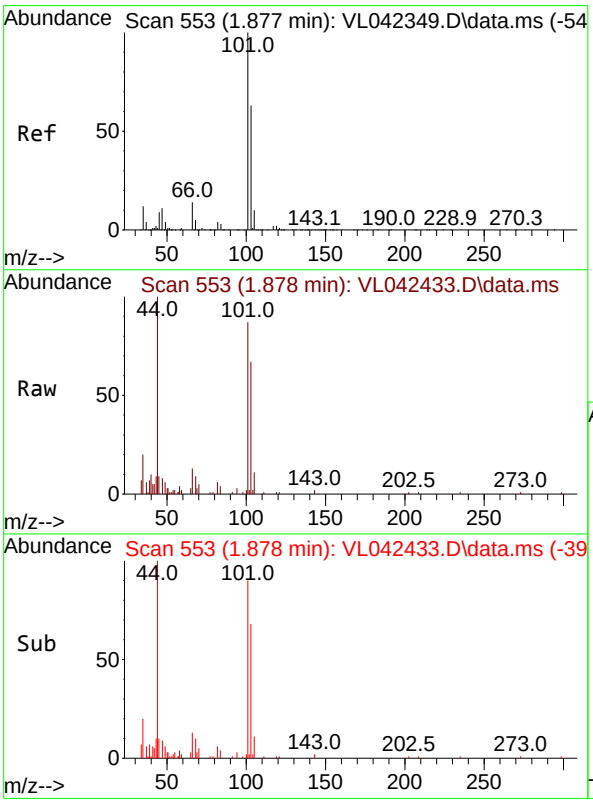
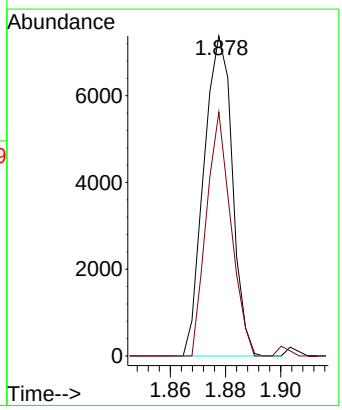
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

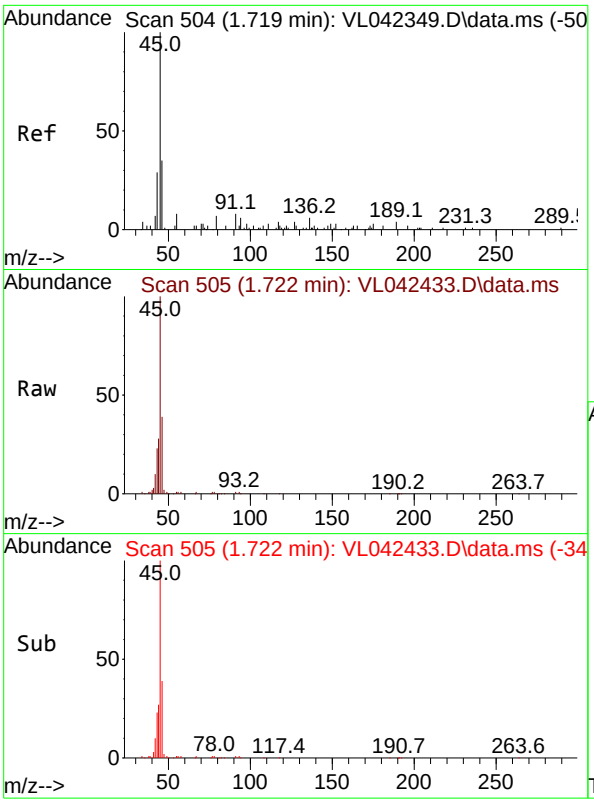


#11
Trichlorofluoromethane
Concen: 0.253 ppbv m
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:101 Resp: 5287

Ion	Ratio	Lower	Upper
101	100		
103	76.2	50.1	75.1#

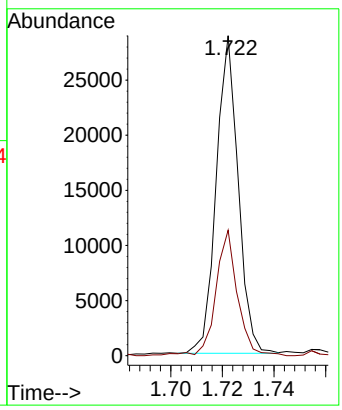




#13
Ethanol
Concen: 11.189 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 45 Resp: 1694(

Ion	Ratio	Lower	Upper
45	100		
46	38.1	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
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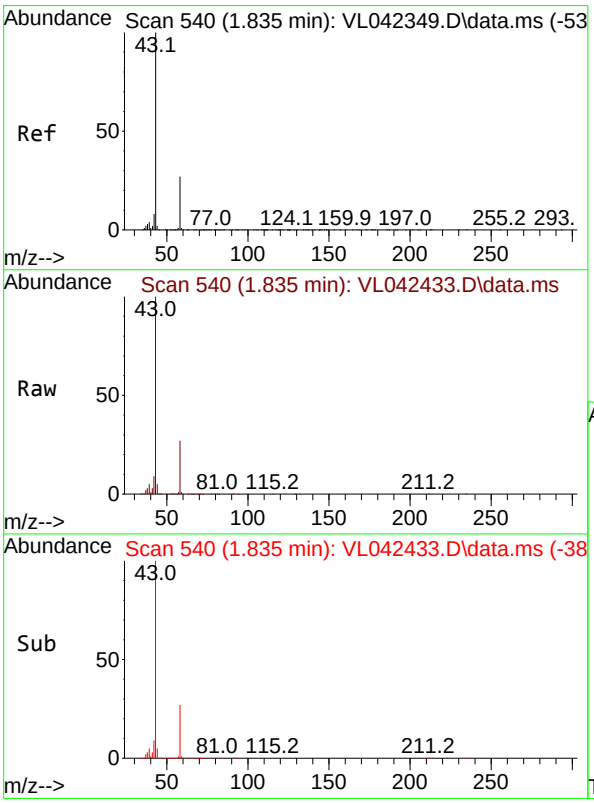
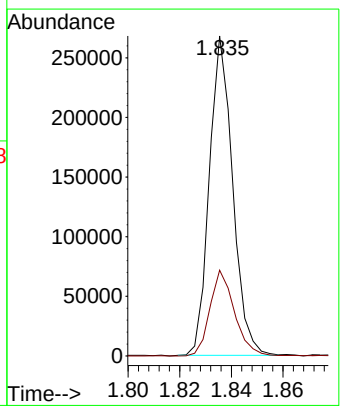
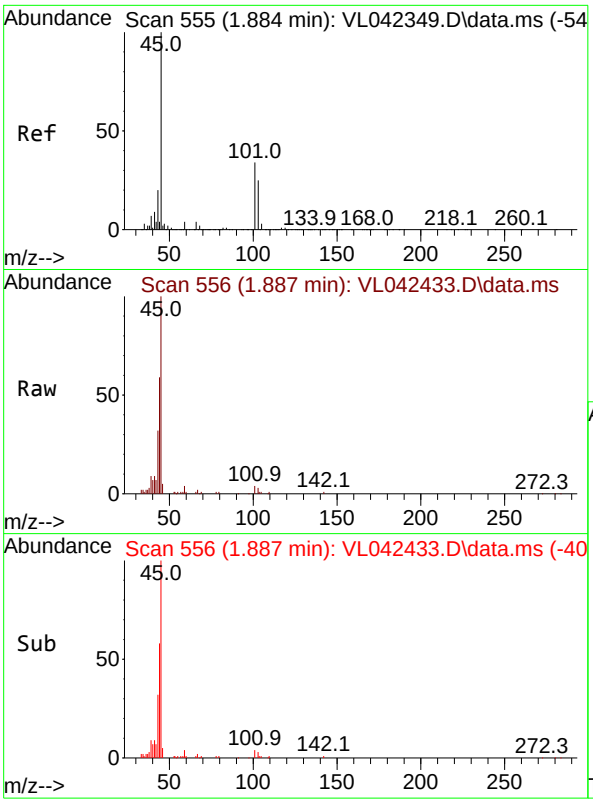


#15
Acetone
Concen: 8.259 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 43 Resp: 168143

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.4	33.6





#19
Isopropyl Alcohol
Concen: 0.886 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 45 Resp: 1002

Ion	Ratio	Lower	Upper
45	100		
58	479.7	34.5	51.7#

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

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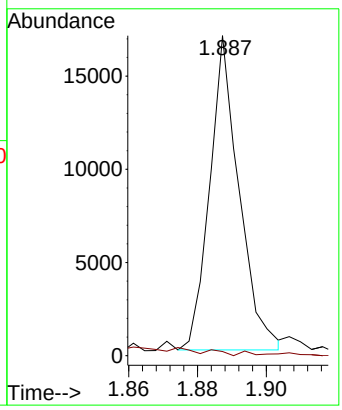
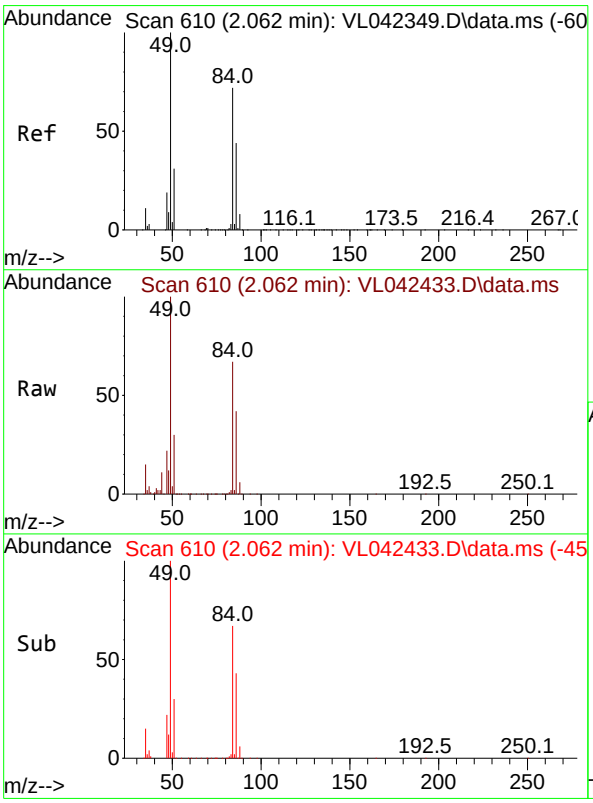
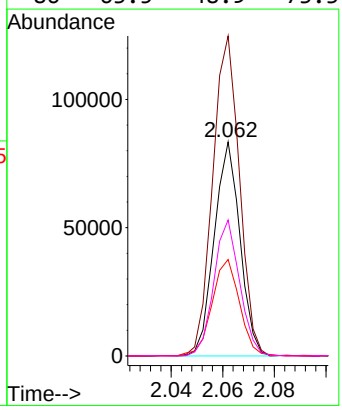


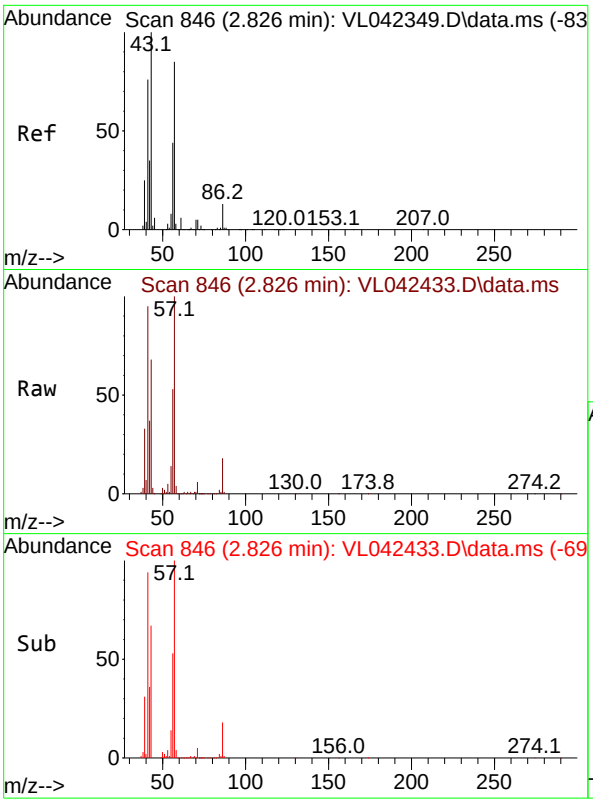


#20
Methylene Chloride
Concen: 7.238 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 84 Resp: 57715

Ion	Ratio	Lower	Upper
84	100		
49	149.3	111.6	167.4
51	44.9	35.1	52.7
86	63.5	48.9	73.3

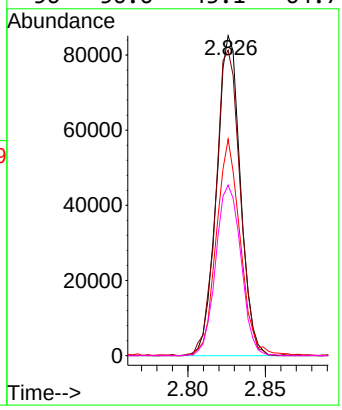




#26
Hexane
Concen: 4.465 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 57 Resp: 9069

Ion	Ratio	Lower	Upper
57	100		
41	98.1	77.9	116.9
43	67.6	208.4	312.6
56	56.6	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
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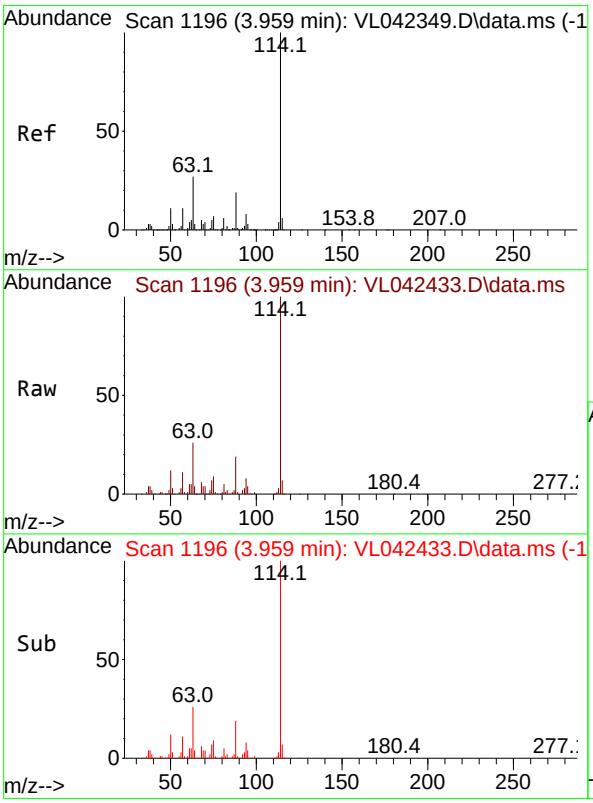
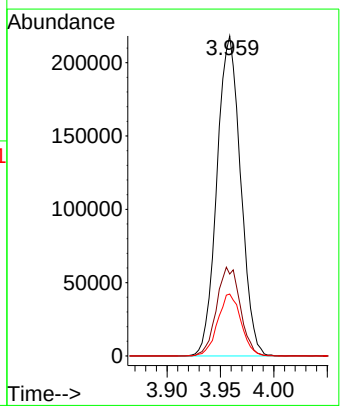
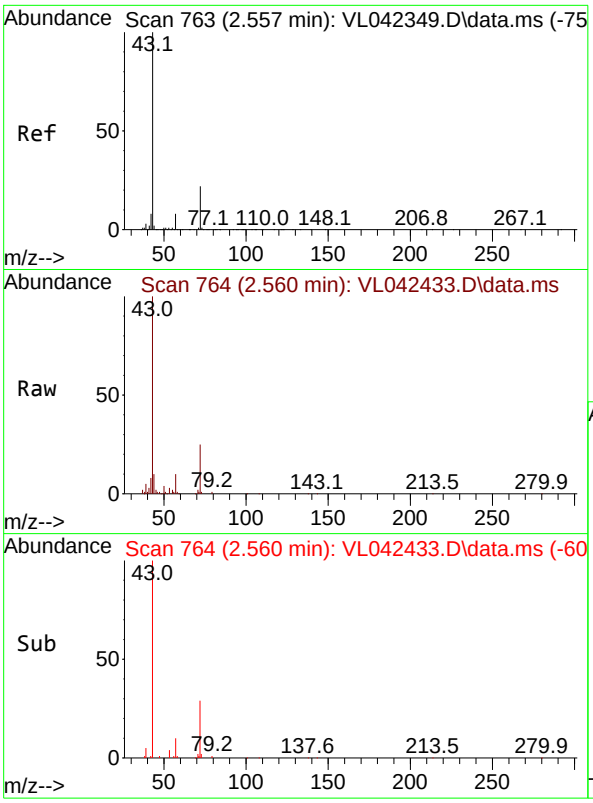


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:114 Resp: 336623

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.8	32.6
88	19.1	15.5	23.3

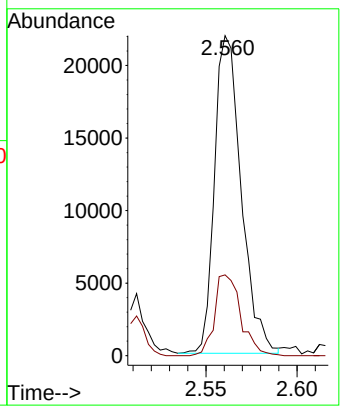




#34
2-Butanone
Concen: 0.837 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 43 Resp: 2229

Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.2	27.2



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

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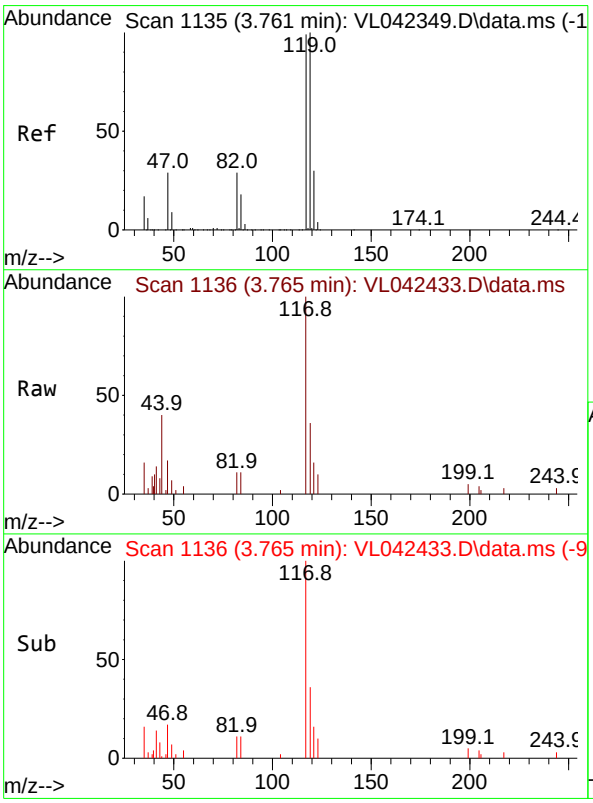
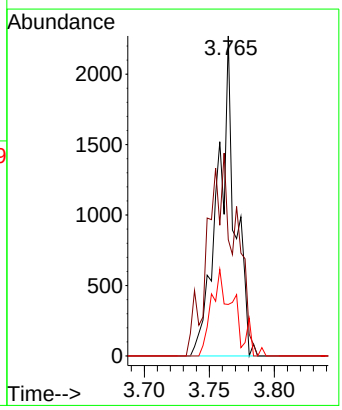
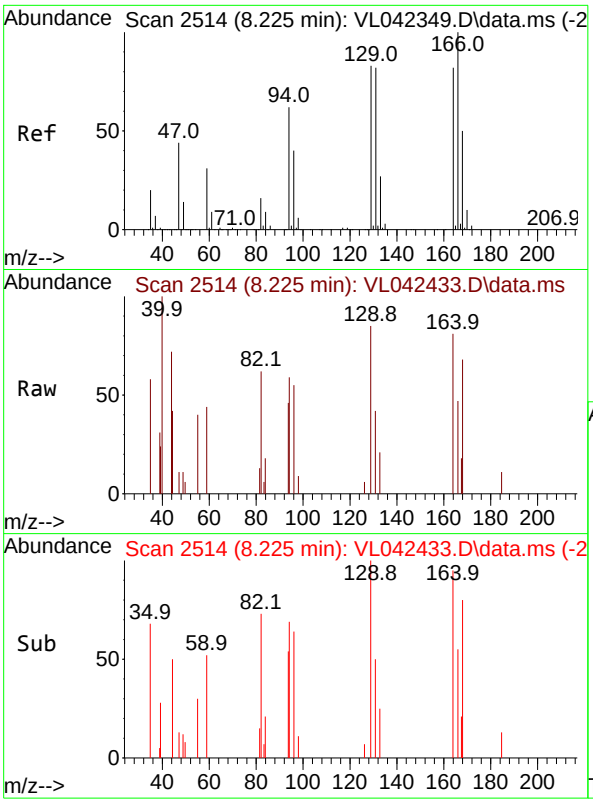


#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 3.765 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:117 Resp: 2110

Ion	Ratio	Lower	Upper
117	100		
119	36.4	80.5	120.7#
121	16.1	24.2	36.2#

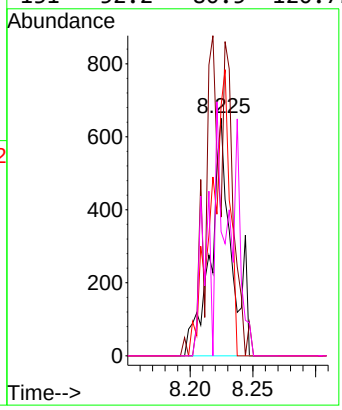




#52
Tetrachloroethene
Concen: 0.053 ppbv m
RT: 8.225 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:164 Resp: 74

Ion	Ratio	Lower	Upper
164	100		
166	58.4	98.2	147.2#
129	105.2	81.8	122.8
131	52.2	80.5	120.7#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

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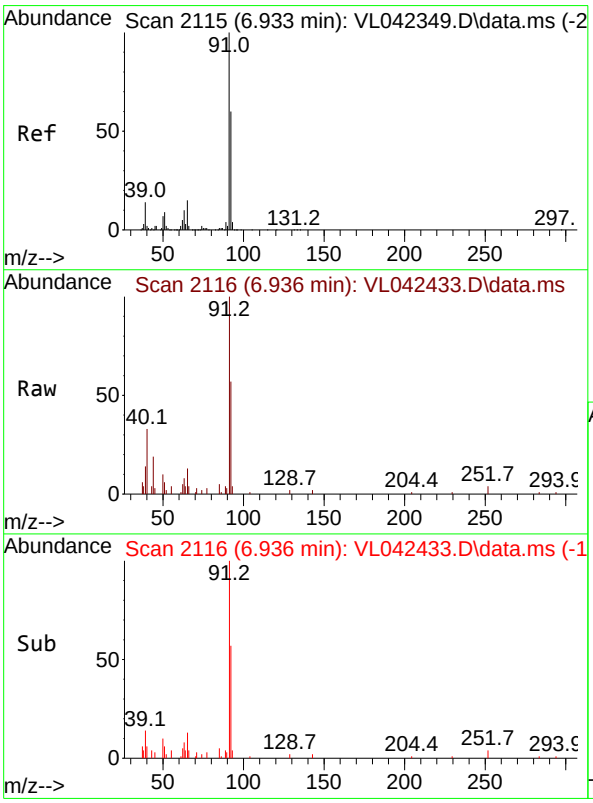
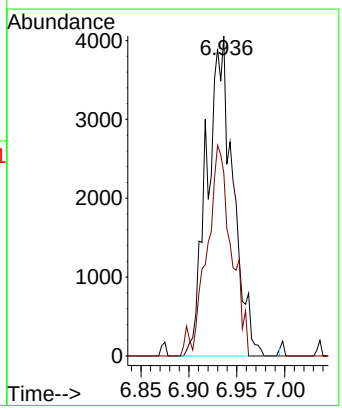
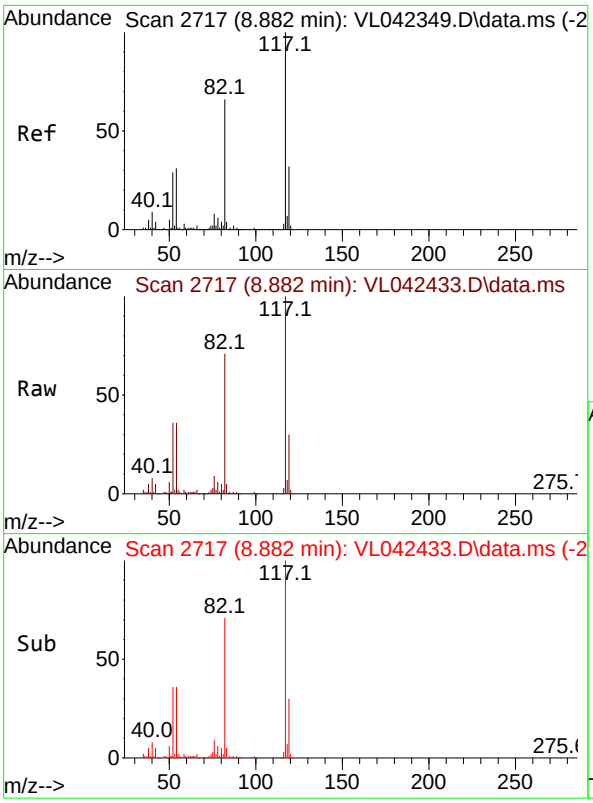


#53
Toluene
Concen: 0.176 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 91 Resp: 7665

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#

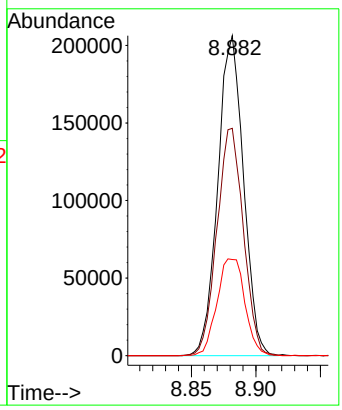




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:117 Resp: 28562

Ion	Ratio	Lower	Upper
117	100		
82	72.9	57.8	86.6
119	33.0	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
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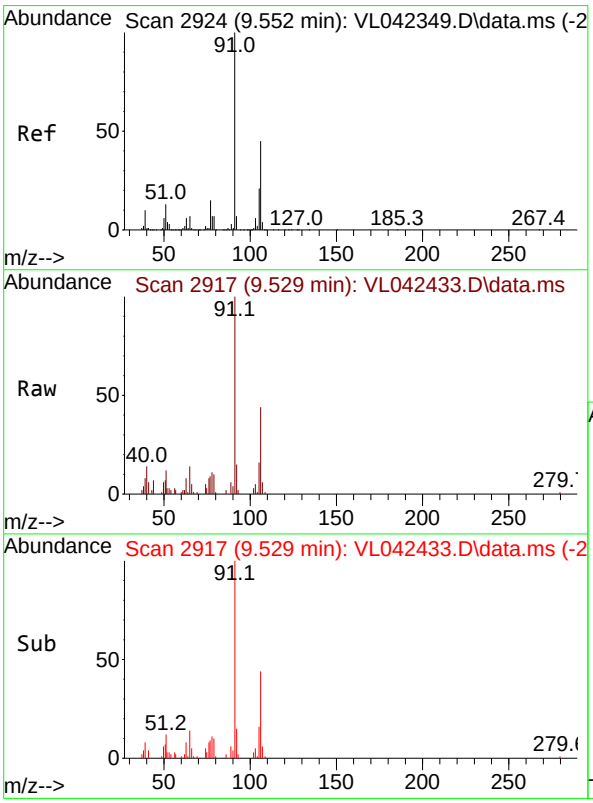
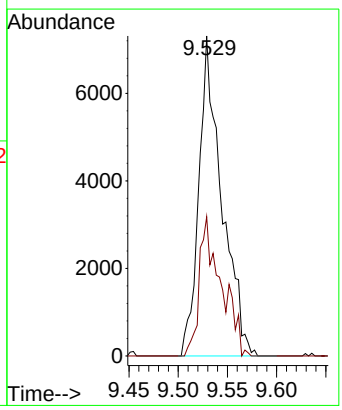
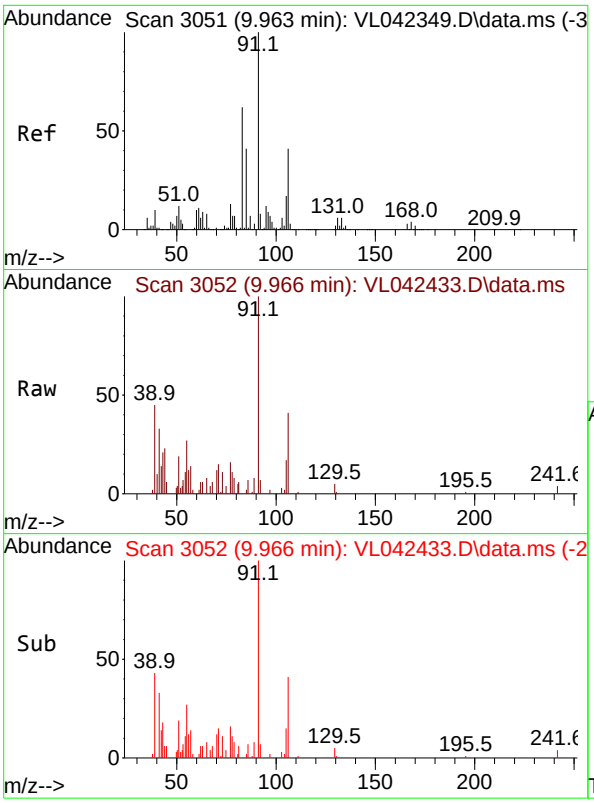


#59
m/p-Xylene
Concen: 0.259 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 91 Resp: 11819

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

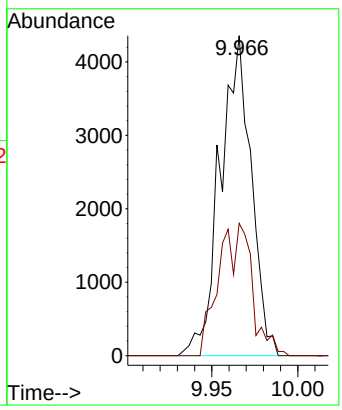




#60
o-Xylene
Concen: 0.119 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 91 Resp: 545

Ion	Ratio	Lower	Upper
91	100		
106	44.7	21.1	63.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

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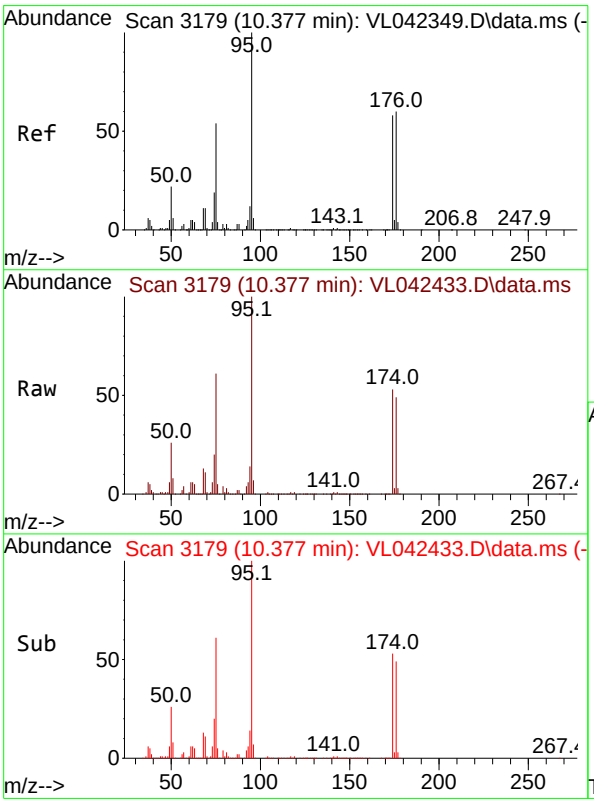
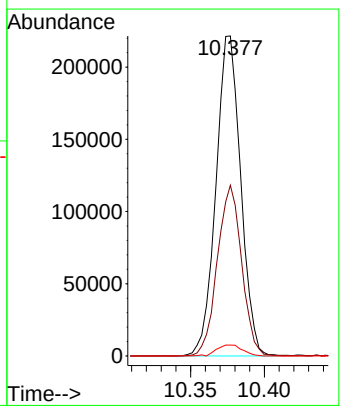
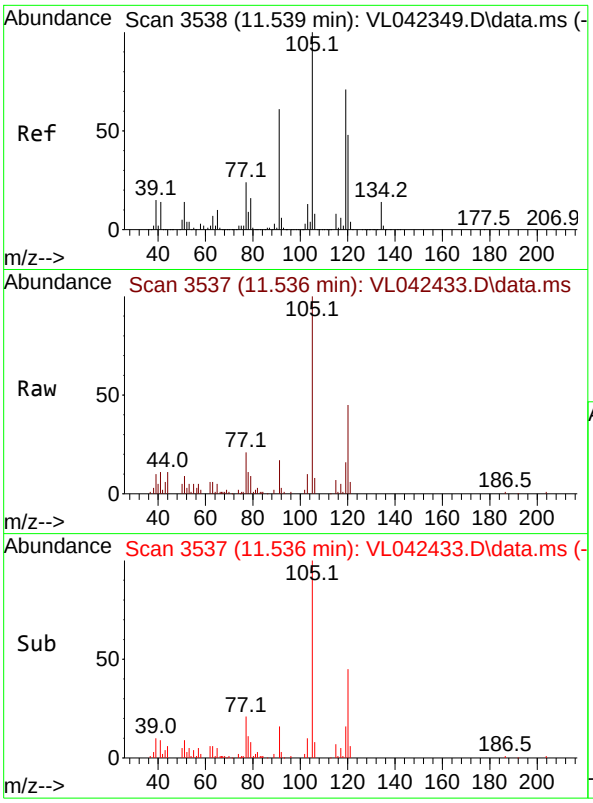


#68
1-Bromo-4-Fluorobenzene
Concen: 11.037 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 95 Resp: 259048

Ion	Ratio	Lower	Upper
95	100		
174	52.2	48.5	72.7
175	3.6	3.7	5.5#

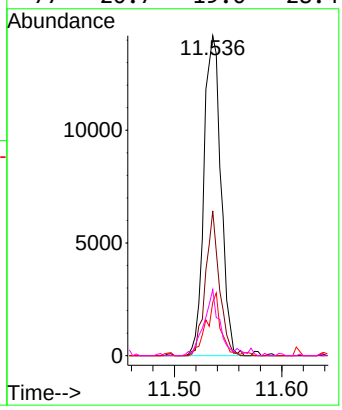




#74
1,2,4-Trimethylbenzene
Concen: 0.270 ppbv m
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:105 Resp: 1565

Ion	Ratio	Lower	Upper
105	100		
120	45.3	38.1	57.1
91	16.7	48.8	73.2#
77	20.7	19.0	28.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-AA01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-10	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
VL042429.D	1		04/28/25 16:50	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.46	2.27	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.59	1.22		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	3.30	7.84		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	1.10	3.82		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.29	0.86	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	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	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.17	0.64	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	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:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-AA01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-10	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
VL042429.D	1		04/28/25 16:50	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.070	0.47		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.51	1.80		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135	107%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	126000		2.784			
540-36-3	1,4-Difluorobenzene	347000		3.956			
3114-55-4	Chlorobenzene-d5	291000		8.879			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/23/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P16-SC-AA01-20250422	SDG No.:	Q1880
Lab Sample ID:	Q1880-10	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
VL042429.D	1		04/28/25 16:50	VL042825

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\VL042825\
Data File : VL042429.D
Acq On : 28 Apr 2025 16:50
Operator : SY/MD
Sample : Q1880-10
Misc : 400mL/MSVOA_L
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 29 01:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	126248	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	347099	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	291241	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	255913	10.693	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	10161	0.456	ppbv		94
3) Chlorodifluoromethane	1.476	51	5992m	0.282	ppbv		
4) Chloromethane	1.531	50	5240	0.594	ppbv		92
9) Propene	1.486	41	4350m	0.450	ppbv		
11) Trichlorofluoromethane	1.878	101	5511	0.260	ppbv		91
13) Ethanol	1.719	45	11666	7.588	ppbv	#	24
15) Acetone	1.836	43	68450	3.312	ppbv		98
19) Isopropyl Alcohol	1.887	45	8781	0.765	ppbv	#	1
20) Methylene Chloride	2.062	84	8715	1.077	ppbv	#	81
26) Hexane	2.823	57	10435	0.506	ppbv	#	36
34) 2-Butanone	2.561	43	8080	0.294	ppbv		97
35) Carbon Tetrachloride	3.765	117	2327m	0.074	ppbv		
36) Benzene	3.655	78	4175	0.112	ppbv	#	72
52) Tetrachloroethene	8.225	164	943m	0.065	ppbv		
53) Toluene	6.930	91	7437m	0.166	ppbv		
59) m/p-Xylene	9.523	91	6449m	0.139	ppbv		

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042429.D
Acq On : 28 Apr 2025 16:50
Operator : SY/MD
Sample : Q1880-10
Misc : 400mL/MSVOA_L
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 29 01:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations APPROVED
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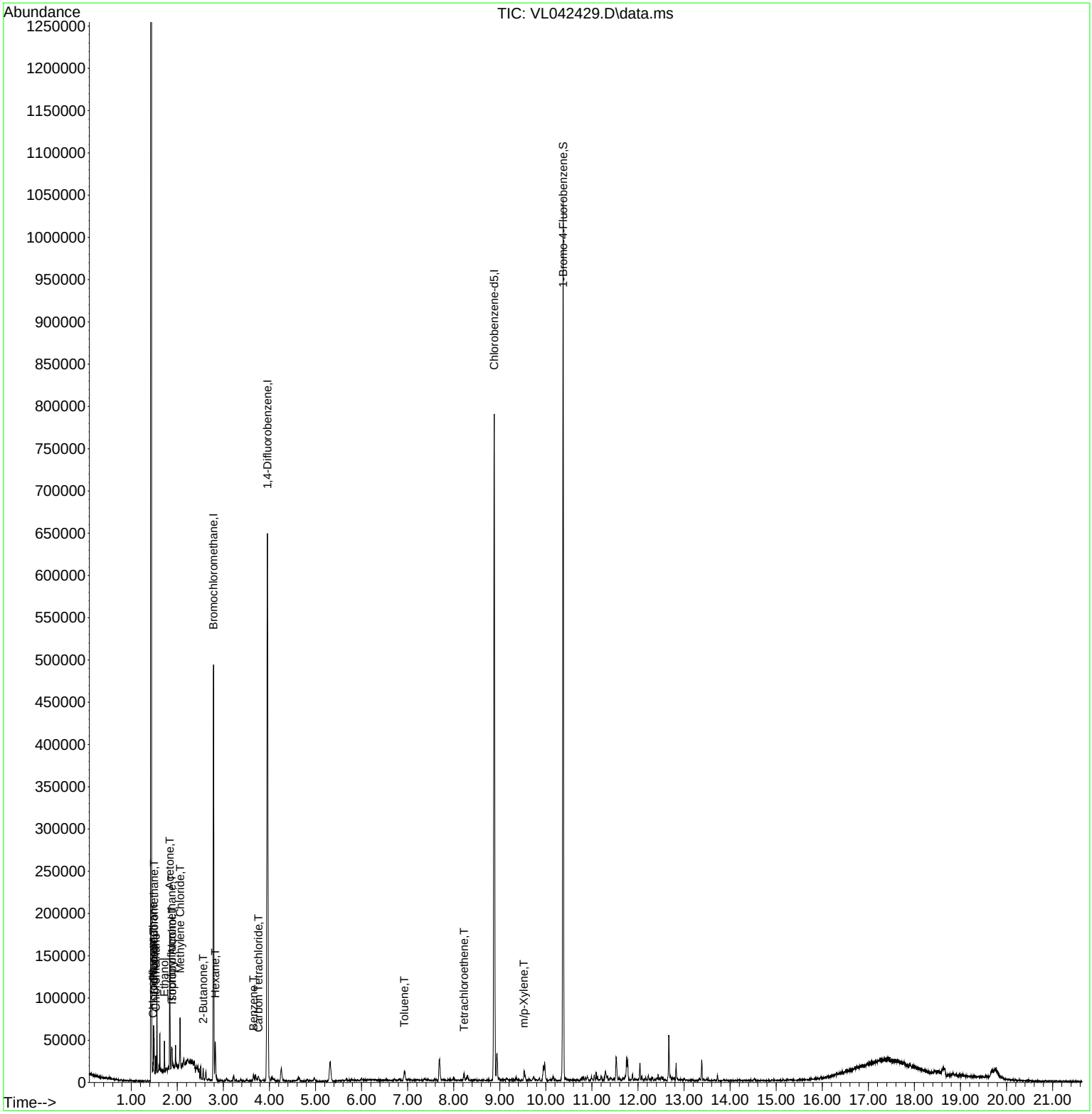

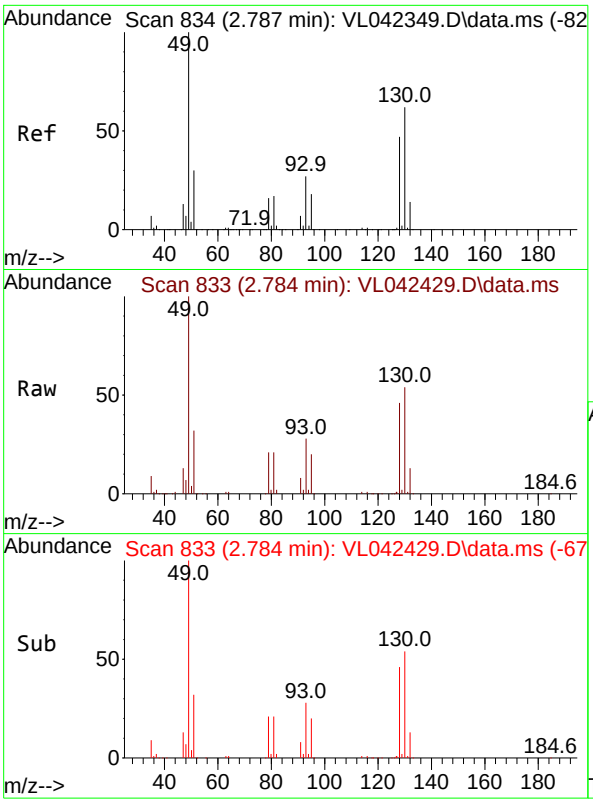

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 49 Resp: 12624

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	58.6	29.3	88.0

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
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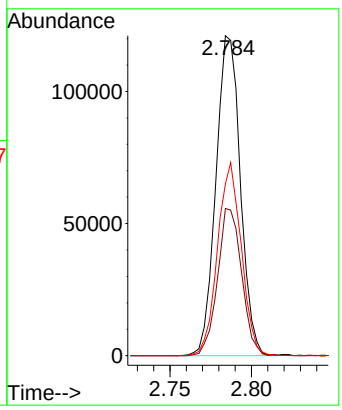
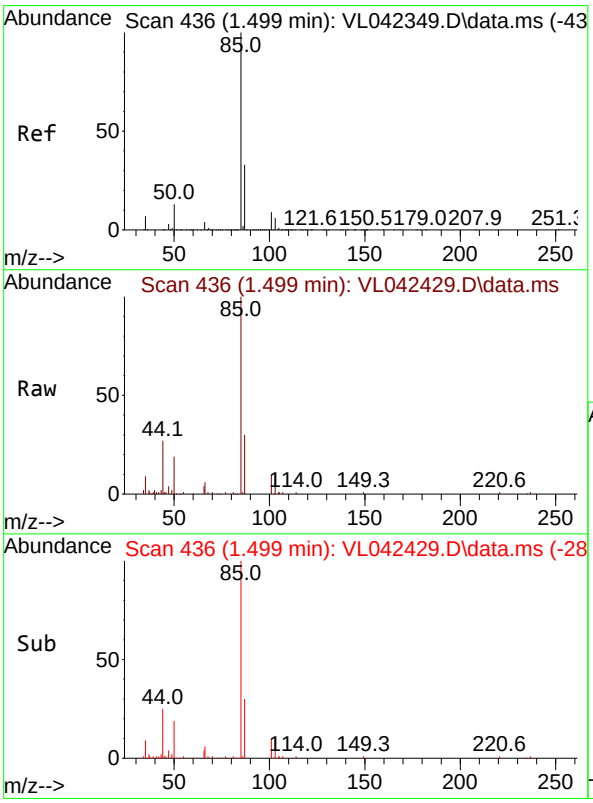
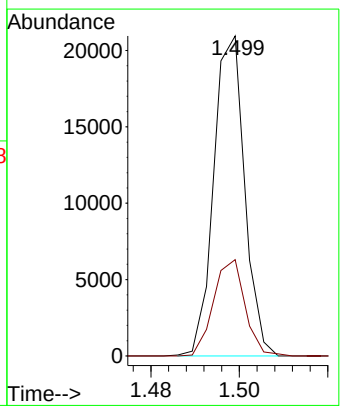


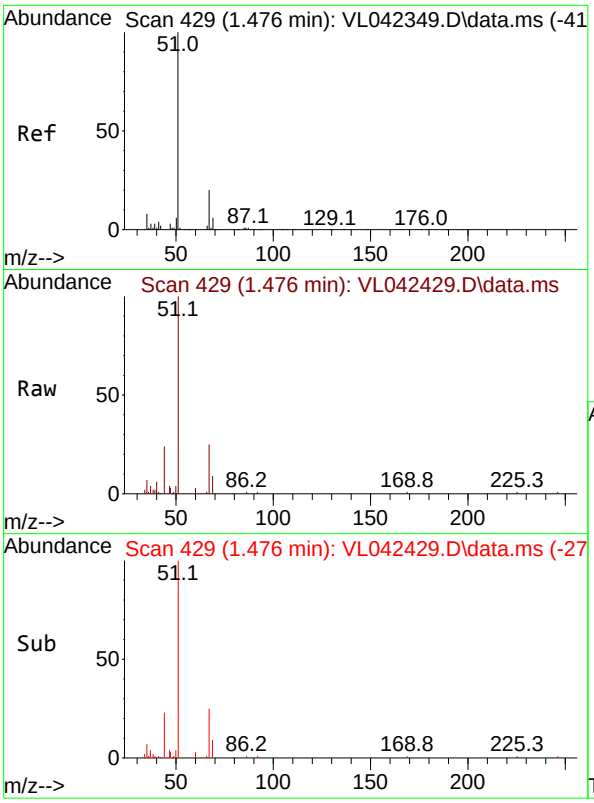


#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 85 Resp: 10161

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.6	39.8

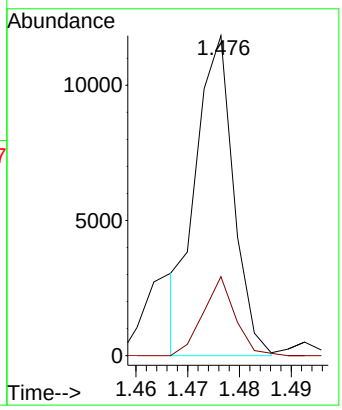




#3
Chlorodifluoromethane
Concen: 0.282 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 51 Resp: 599

Ion	Ratio	Lower	Upper
51	100		
67	1.9	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
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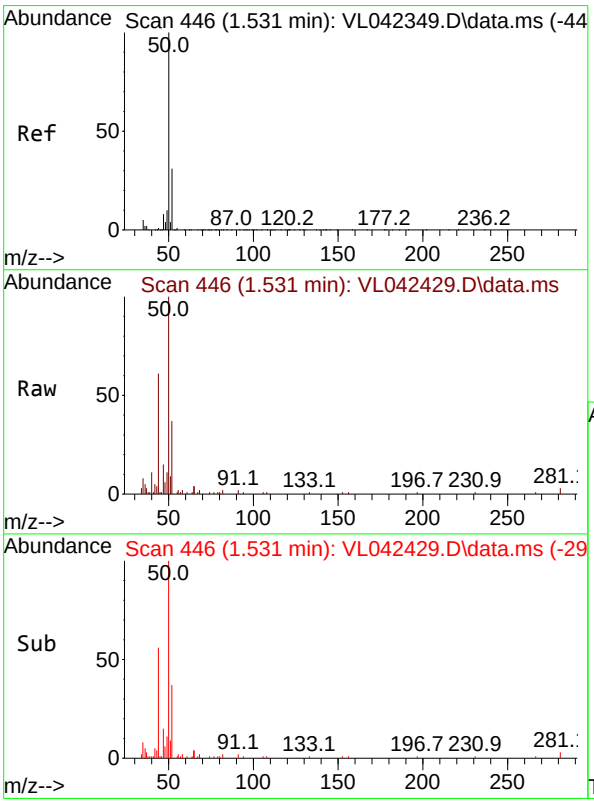
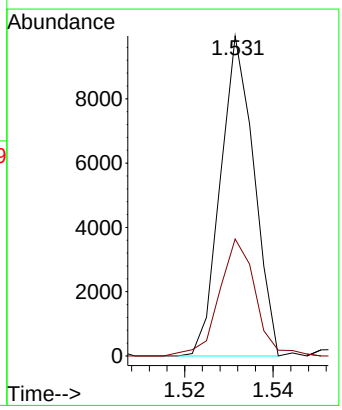
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

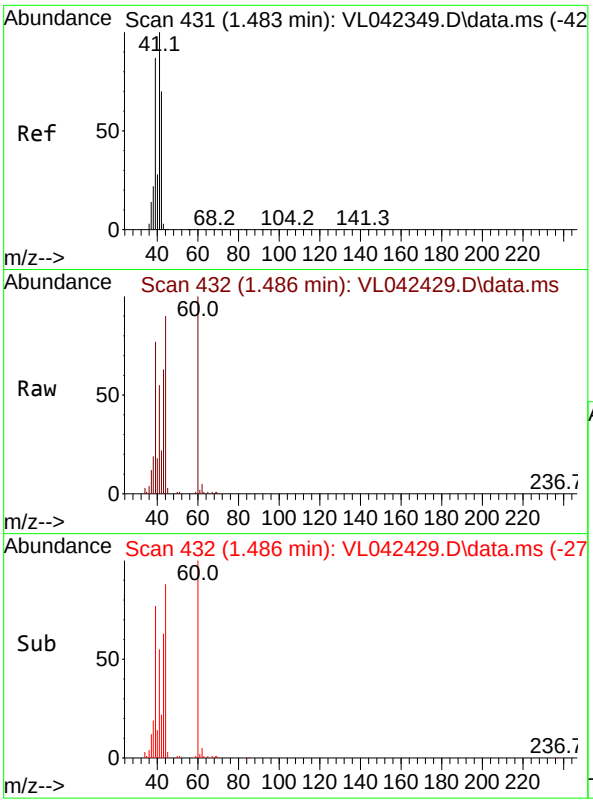


#4
Chloromethane
Concen: 0.594 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 50 Resp: 5240

Ion	Ratio	Lower	Upper
50	100		
52	35.5	24.7	37.1

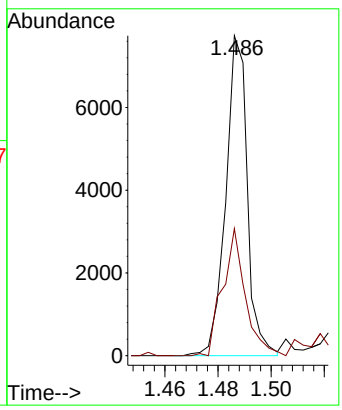




#9
Propene
Concen: 0.450 ppbv m
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 41 Resp: 435

Ion	Ratio	Lower	Upper
41	100		
42	80.5	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

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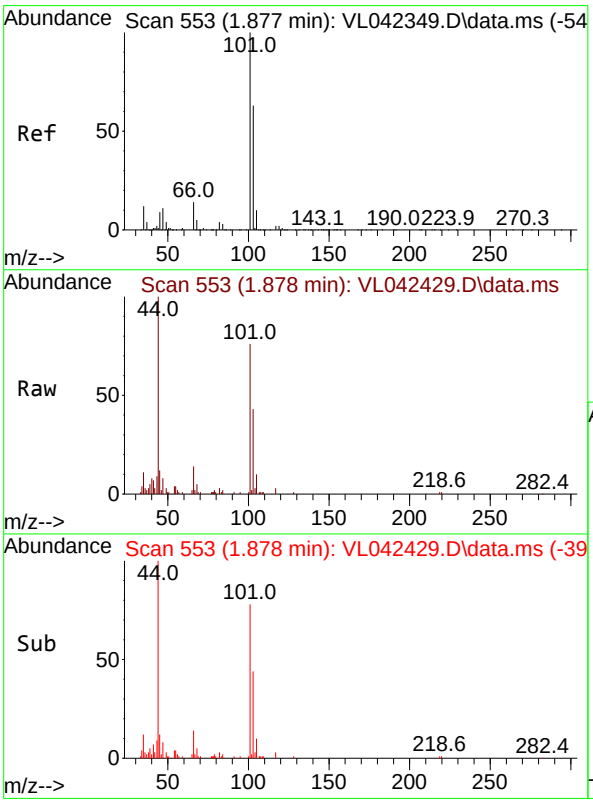
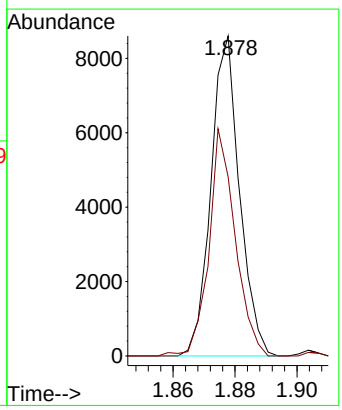
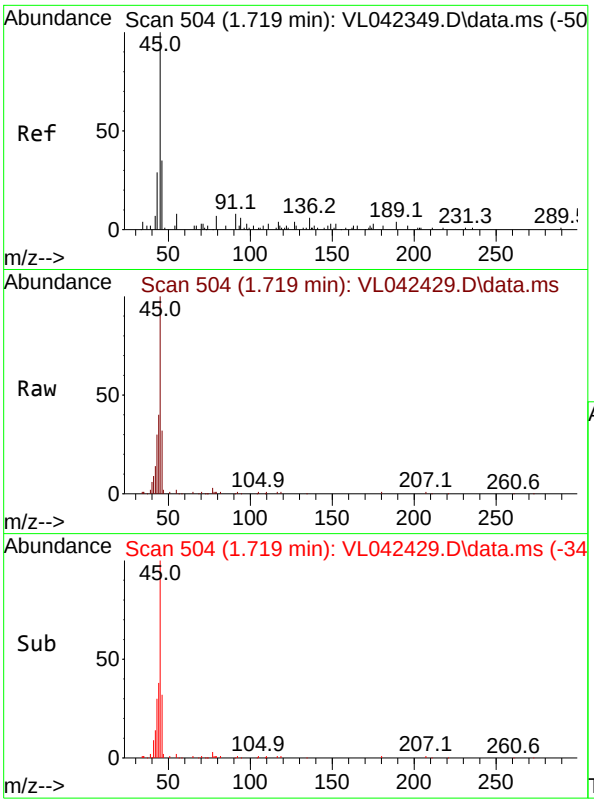


#11
Trichlorofluoromethane
Concen: 0.260 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:101 Resp: 5511

Ion	Ratio	Lower	Upper
101	100		
103	56.0	50.1	75.1





#13
Ethanol
Concen: 7.588 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 45 Resp: 1166(

Ion	Ratio	Lower	Upper
45	100		
46	0.0	21.9	87.7#

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
APPROVED

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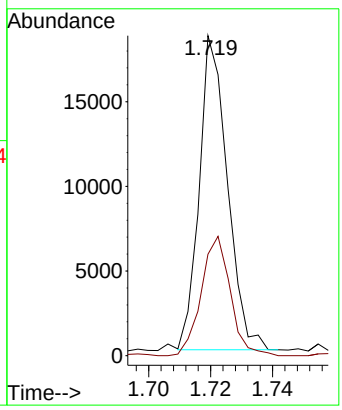
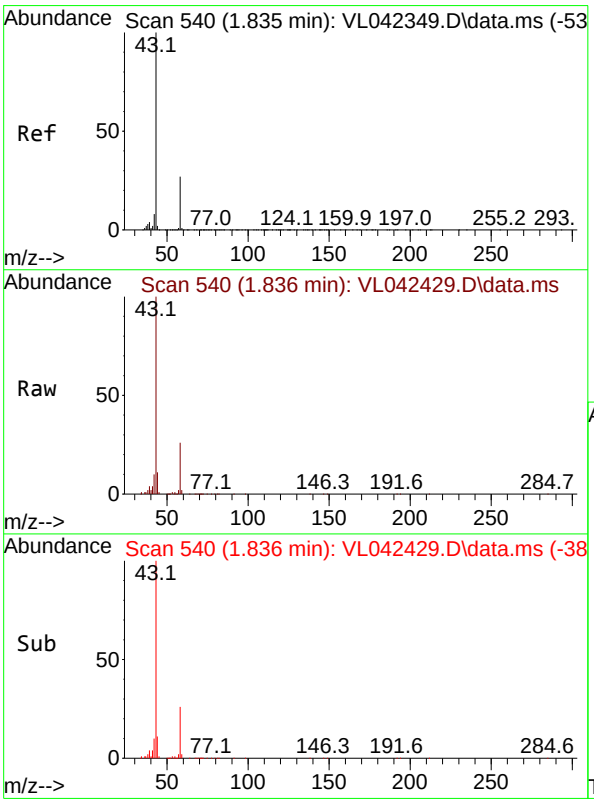
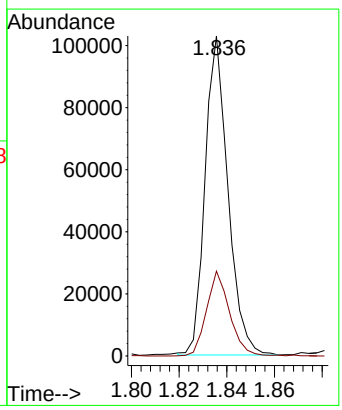


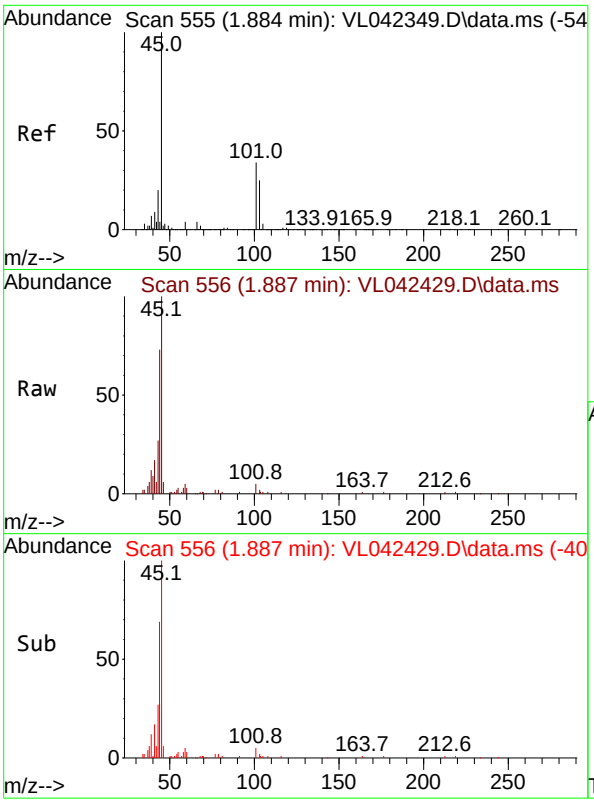


#15
Acetone
Concen: 3.312 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 43 Resp: 68450

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6

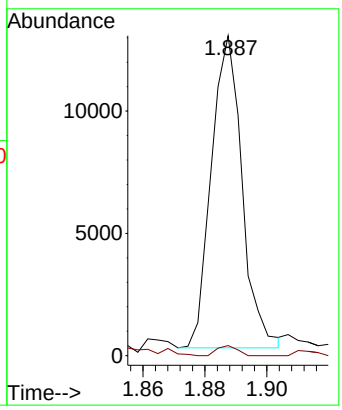




#19
Isopropyl Alcohol
Concen: 0.765 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 45 Resp: 878

Ion	Ratio	Lower	Upper
45	100		
58	210.2	34.5	51.7#



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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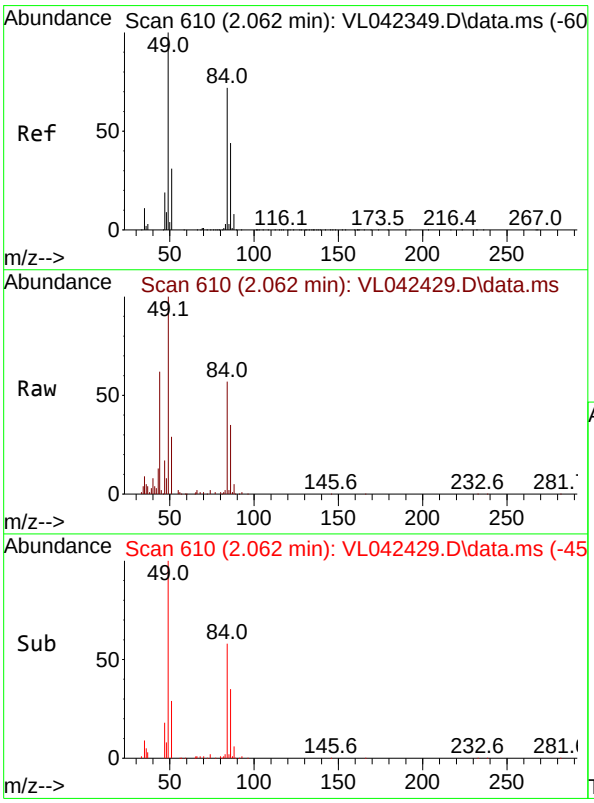
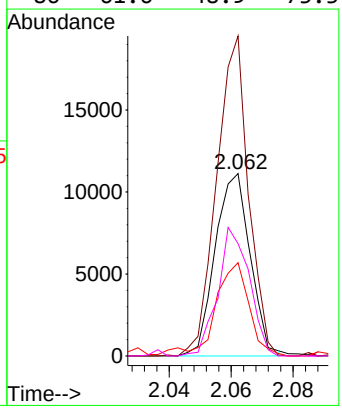
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

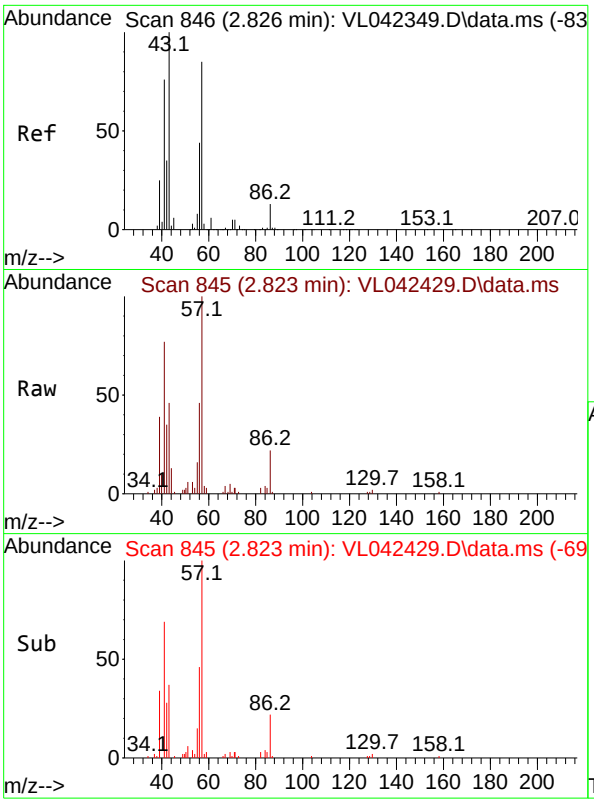


#20
Methylene Chloride
Concen: 1.077 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 84 Resp: 8715

Ion	Ratio	Lower	Upper
84	100		
49	175.4	111.6	167.4#
51	49.7	35.1	52.7
86	61.6	48.9	73.3

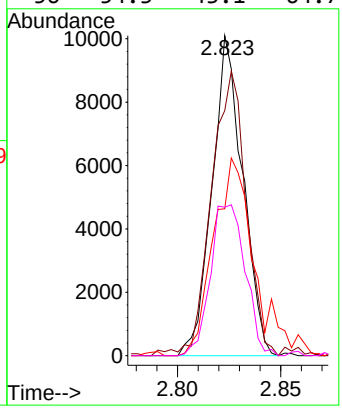




#26
Hexane
Concen: 0.506 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 57 Resp: 1043

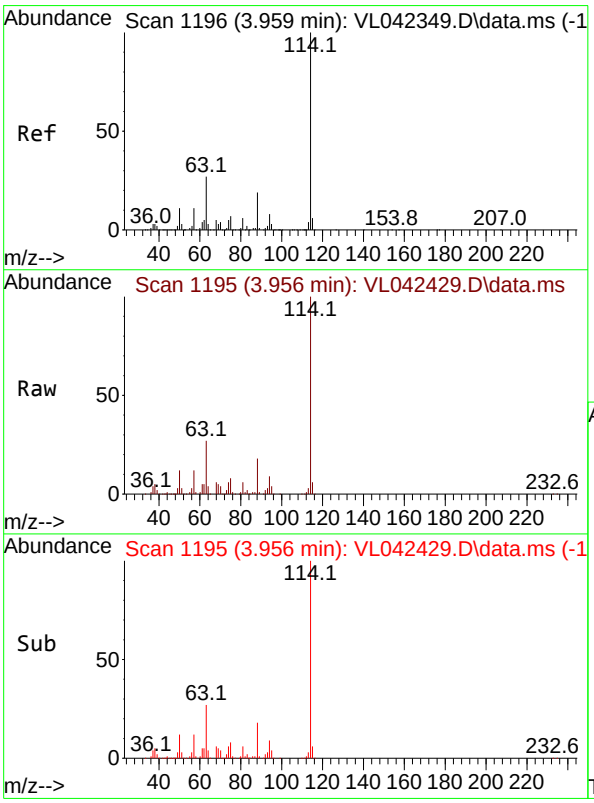
Ion	Ratio	Lower	Upper
57	100		
41	102.3	77.9	116.9
43	83.9	208.4	312.6
56	54.3	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
APPROVED

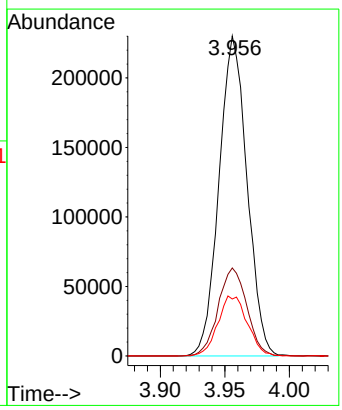
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

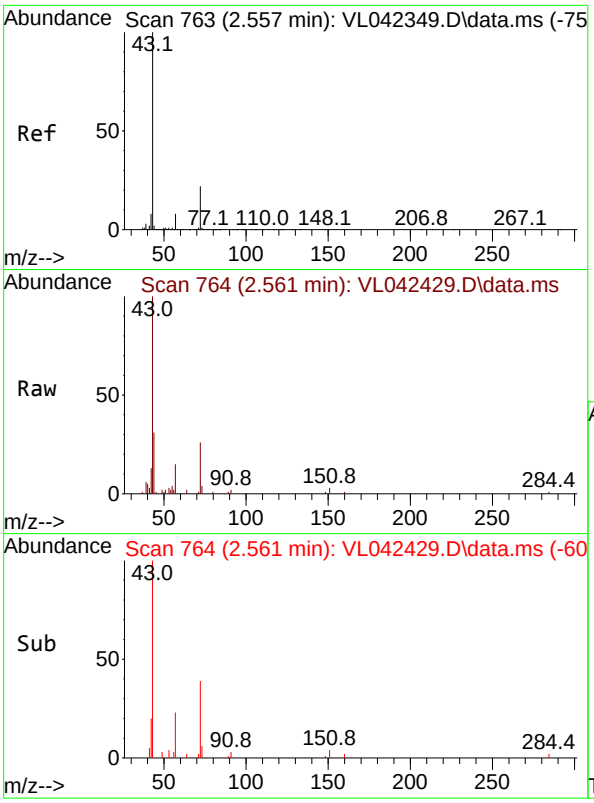


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:114 Resp: 347099

Ion	Ratio	Lower	Upper
114	100		
63	28.2	21.8	32.6
88	19.7	15.5	23.3

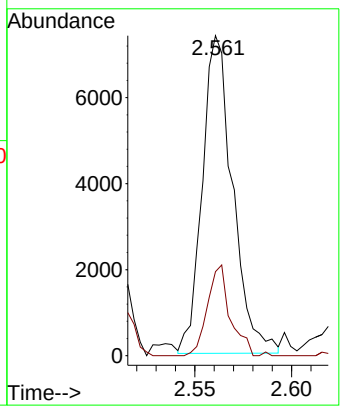




#34
2-Butanone
Concen: 0.294 ppbv
RT: 2.561 min Scan# 7
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 43 Resp: 808

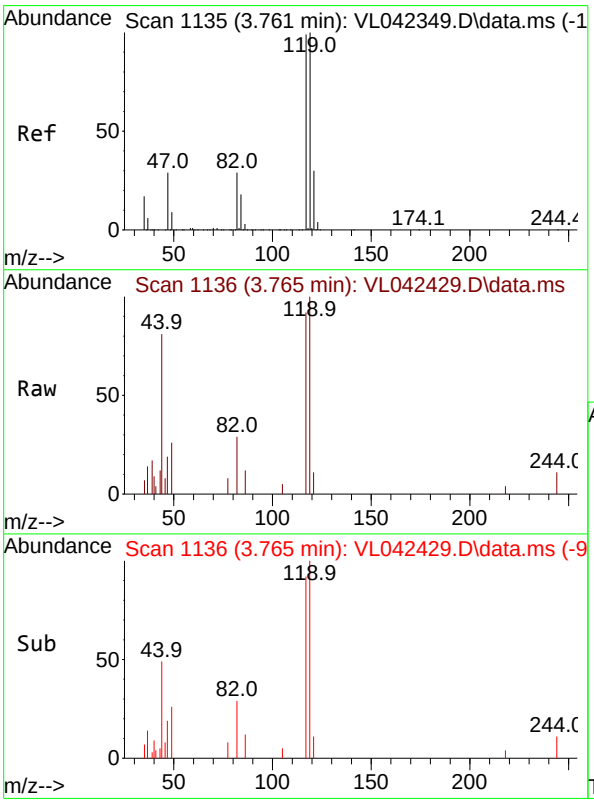
Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.2	27.2



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
APPROVED

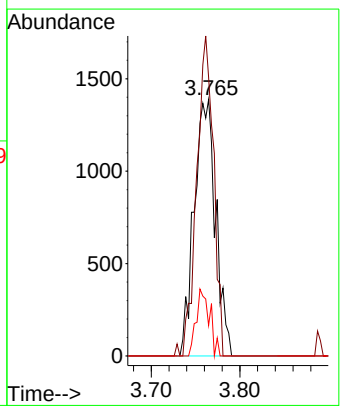
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

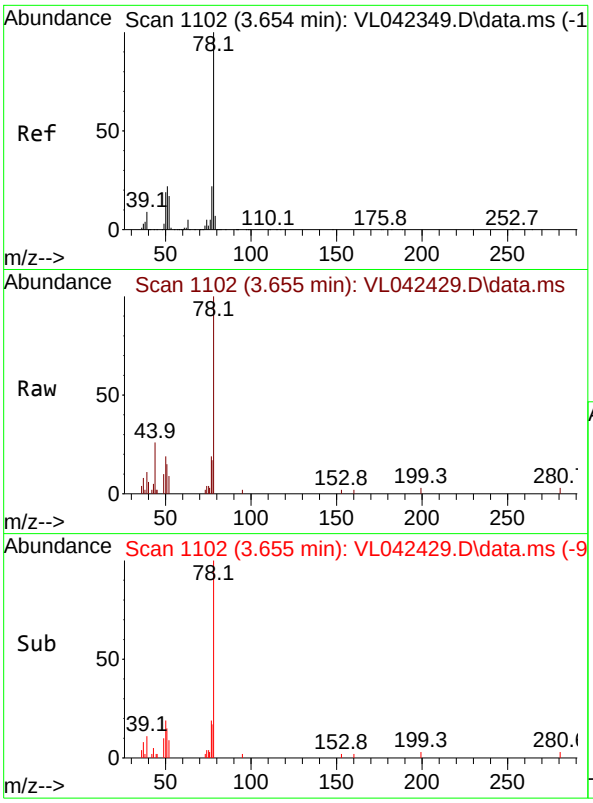


#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 3.765 min Scan# 1136
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:117 Resp: 2327

Ion	Ratio	Lower	Upper
117	100		
119	108.8	80.5	120.7
121	11.9	24.2	36.2#

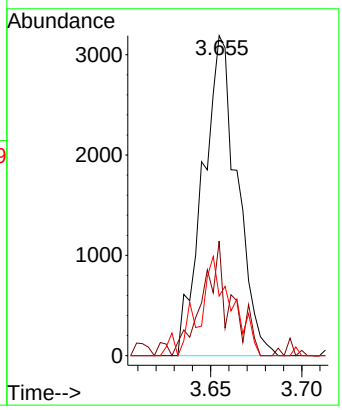




#36
Benzene
Concen: 0.112 ppbv
RT: 3.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 78 Resp: 417

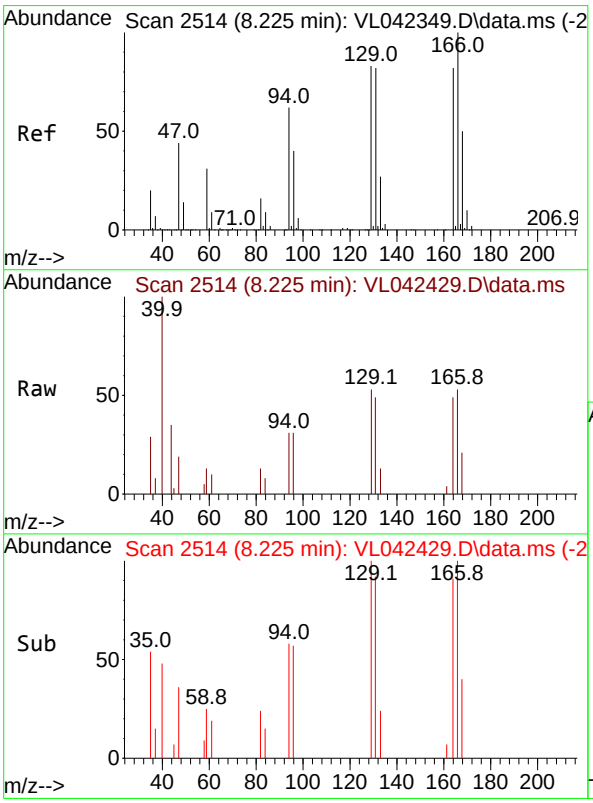
Ion	Ratio	Lower	Upper
78	100		
77	33.5	17.4	26.0#
50	33.6	15.5	23.3#



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
APPROVED

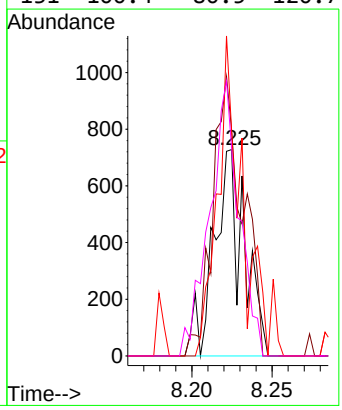
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

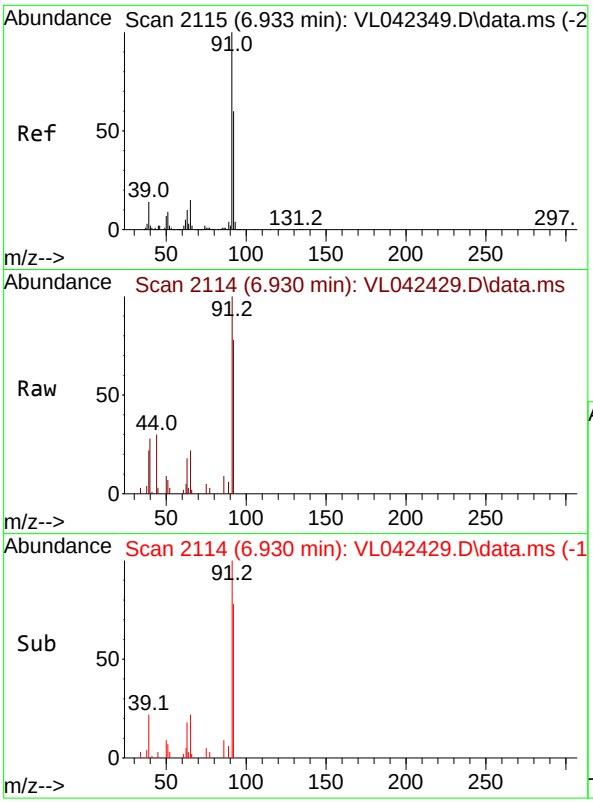


#52
Tetrachloroethene
Concen: 0.065 ppbv m
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:164 Resp: 943

Ion	Ratio	Lower	Upper
164	100		
166	109.3	98.2	147.2
129	108.9	81.8	122.8
131	100.4	80.5	120.7

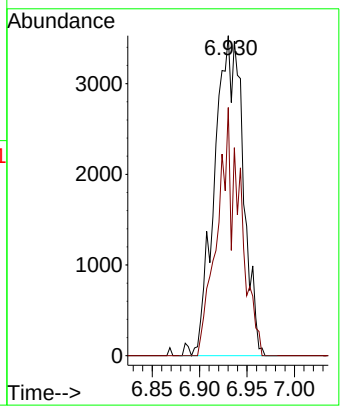




#53
Toluene
Concen: 0.166 ppbv m
RT: 6.930 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 91 Resp: 743

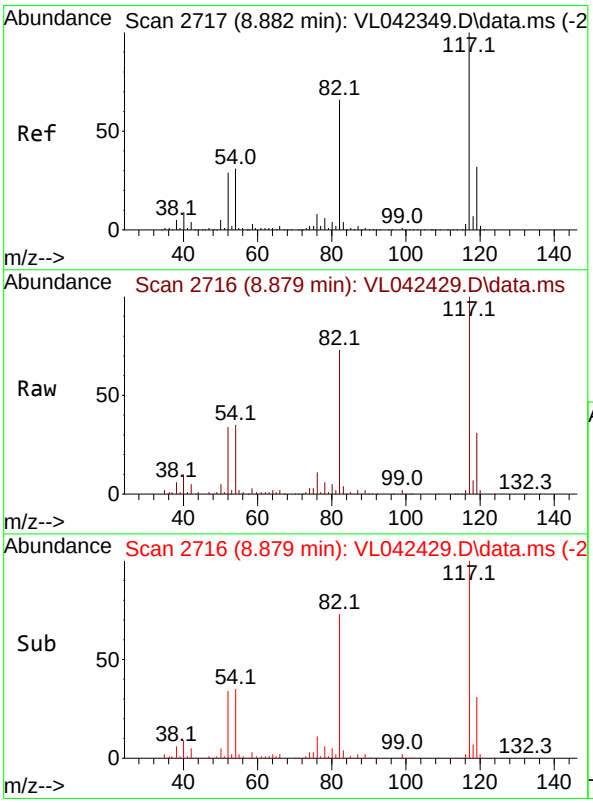
Ion	Ratio	Lower	Upper
91	100		
92	61.7	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
APPROVED

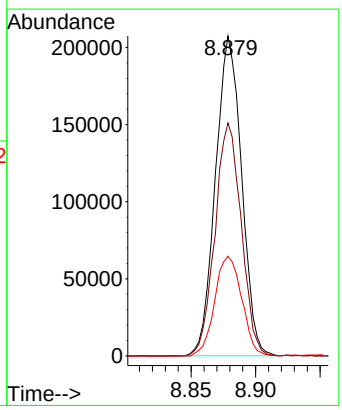
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

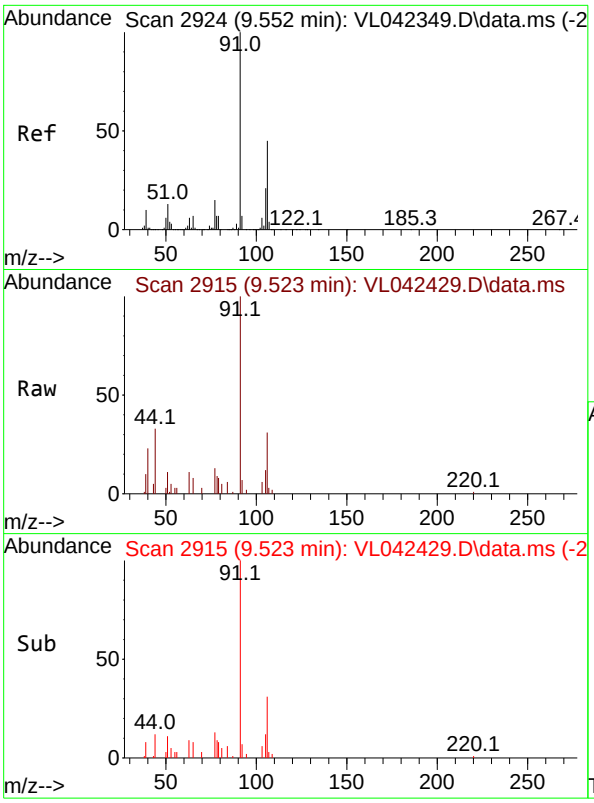


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:117 Resp: 291241

Ion	Ratio	Lower	Upper
117	100		
82	73.3	57.8	86.6
119	32.3	25.2	37.8





#59
m/p-Xylene
Concen: 0.139 ppbv m
RT: 9.523 min Scan# 2
Delta R.T. -0.029 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

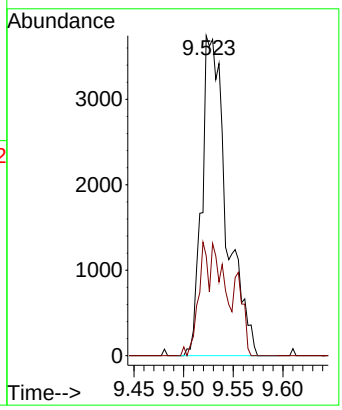
Tgt Ion: 91 Resp: 644

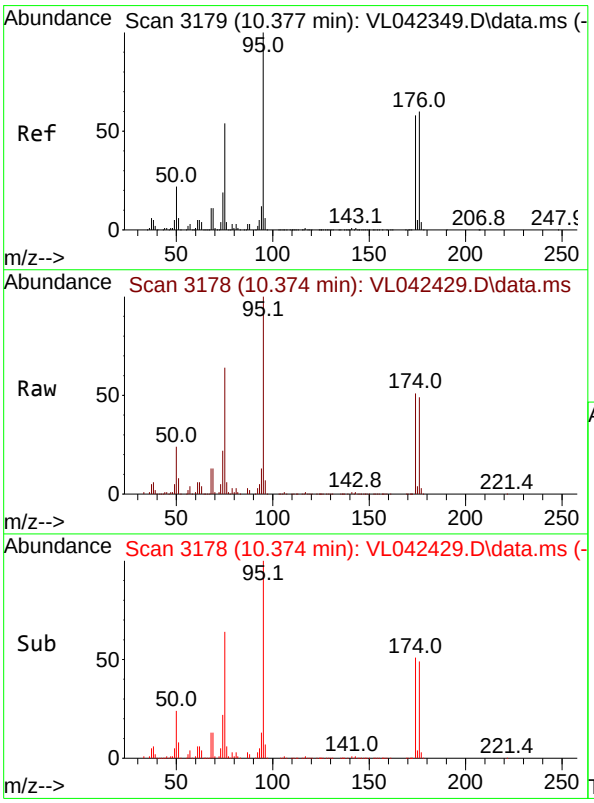
Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

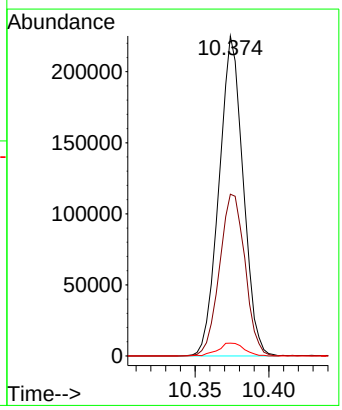




#68
1-Bromo-4-Fluorobenzene
Concen: 10.693 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 95 Resp: 255913

Ion	Ratio	Lower	Upper
95	100		
174	53.6	48.5	72.7
175	4.4	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-SS01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-11	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
VL042449.D	1		04/29/25 16:32	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.47	2.32	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.48	0.99	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.80	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	6.70	15.9		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.43	1.49	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.91	3.13		0.76	1.72	ug/m3
78-93-3	2-Butanone	0.36	1.06	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.060	0.38		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.49	1.85	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-SS01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-11	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
VL042449.D	1		04/29/25 16:32	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.14	0.49	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	11.0			65 - 135	110%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	125000		2.793			
540-36-3	1,4-Difluorobenzene	330000		3.968			
3114-55-4	Chlorobenzene-d5	274000		8.891			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	04/24/25
Project:	R36900	Date Received:	04/24/25
Client Sample ID:	EBR-P02-SC-SS01-20250423	SDG No.:	Q1880
Lab Sample ID:	Q1880-11	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
VL042449.D	1		04/29/25 16:32	VL042925

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\VL042925\
Data File : VL042449.D
Acq On : 29 Apr 2025 16:32
Operator : SY/MD
Sample : Q1880-11
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 30 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.793	49	124520	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	329514	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.891	117	273576	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	247059	10.990	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	10375	0.472	ppbv		99
3) Chlorodifluoromethane	1.479	51	4645m	0.222	ppbv		
4) Chloromethane	1.534	50	4212	0.484	ppbv		93
9) Propene	1.489	41	4143	0.434	ppbv	#	15
11) Trichlorofluoromethane	1.881	101	6624	0.317	ppbv		100
13) Ethanol	1.725	45	203780	134.382	ppbv		74
15) Acetone	1.842	43	137336	6.737	ppbv		90
19) Isopropyl Alcohol	1.890	45	29711	2.624	ppbv	#	4
20) Methylene Chloride	2.068	84	3425	0.429	ppbv	#	83
26) Hexane	2.832	57	2821m	0.139	ppbv		
30) Cyclohexane	3.865	84	15002	0.912	ppbv		98
34) 2-Butanone	2.567	43	9322	0.358	ppbv		96
35) Carbon Tetrachloride	3.774	117	1720m	0.058	ppbv		
53) Toluene	6.949	91	20852m	0.489	ppbv		

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042449.D
Acq On : 29 Apr 2025 16:32
Operator : SY/MD
Sample : Q1880-11
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 30 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

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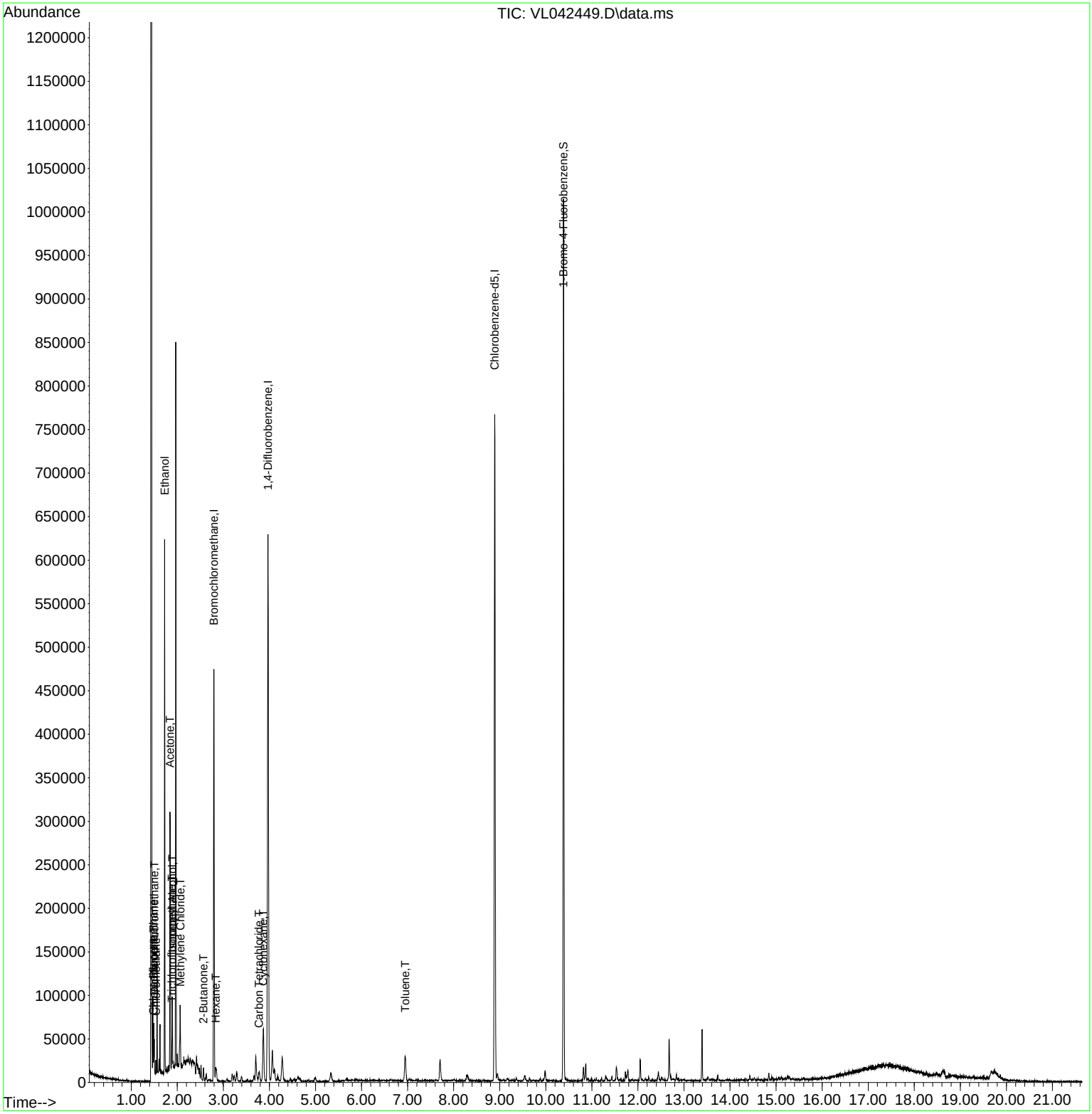
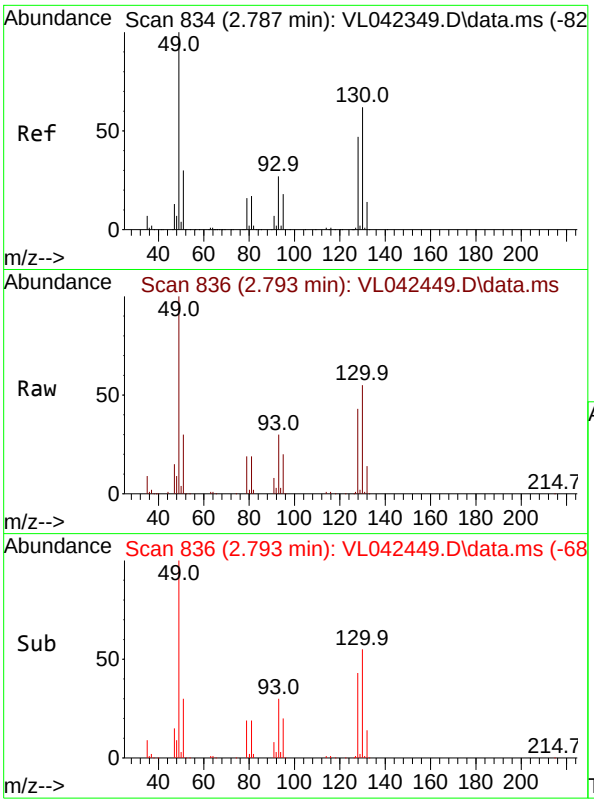
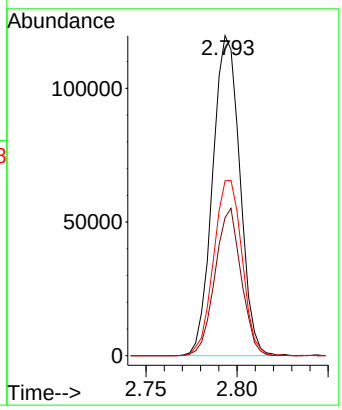




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 49 Resp: 12452

Ion	Ratio	Lower	Upper
49	100		
128	44.2	22.8	68.4
130	57.1	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Manual Integrations
APPROVED

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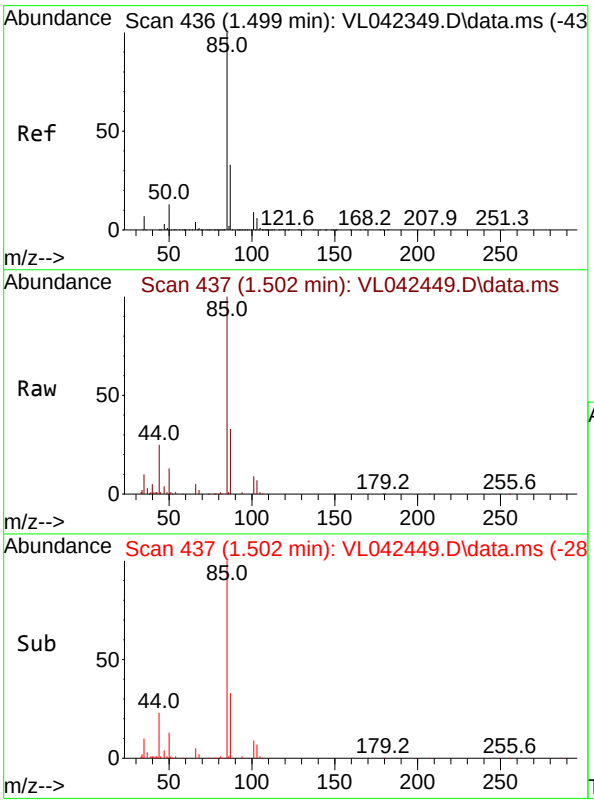
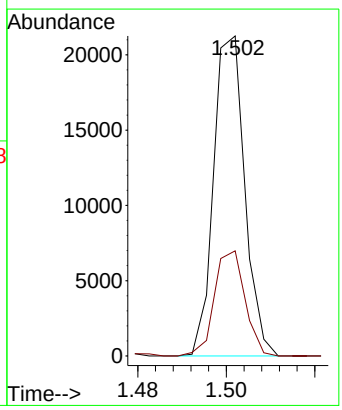
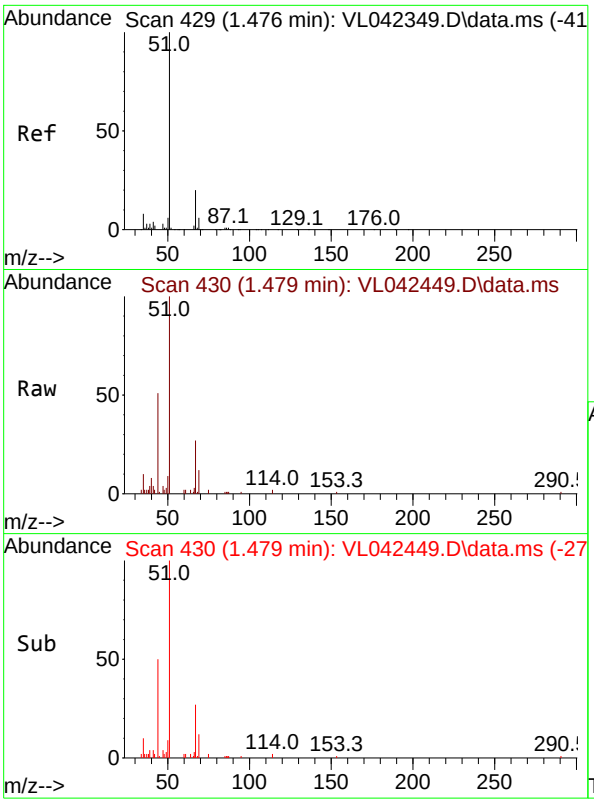


#2
Dichlorodifluoromethane
Concen: 0.472 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 85 Resp: 10375

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	39.8

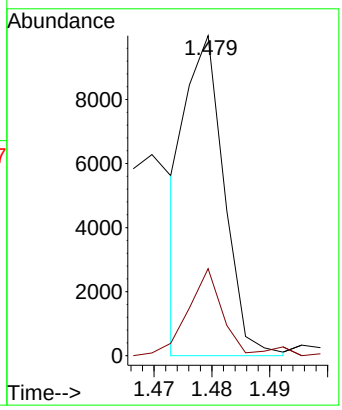




#3
Chlorodifluoromethane
Concen: 0.222 ppbv m
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 51 Resp: 464

Ion	Ratio	Lower	Upper
51	100		
67	25.9	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
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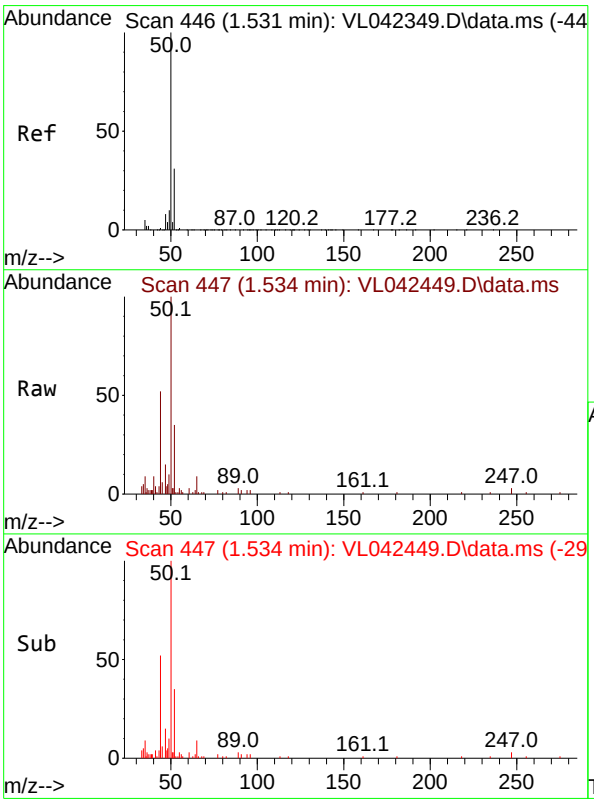
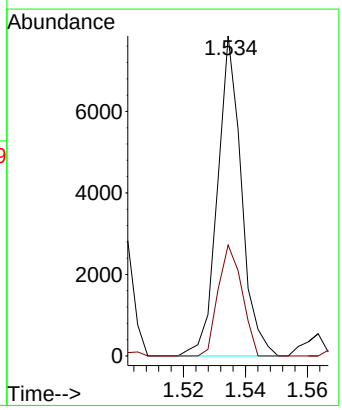
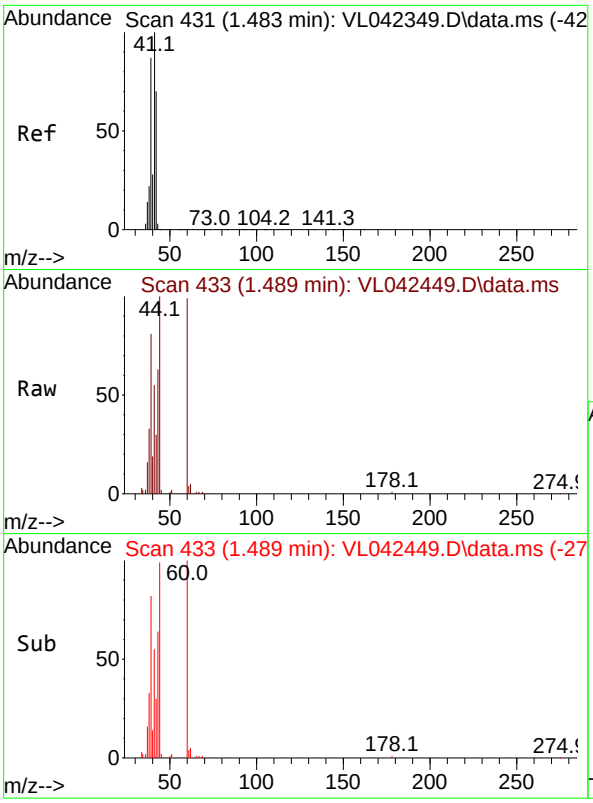


#4
Chloromethane
Concen: 0.484 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 50 Resp: 4212

Ion	Ratio	Lower	Upper
50	100		
52	34.6	24.7	37.1

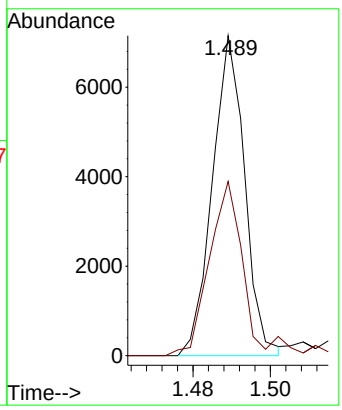




#9
Propene
Concen: 0.434 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 41 Resp: 414

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
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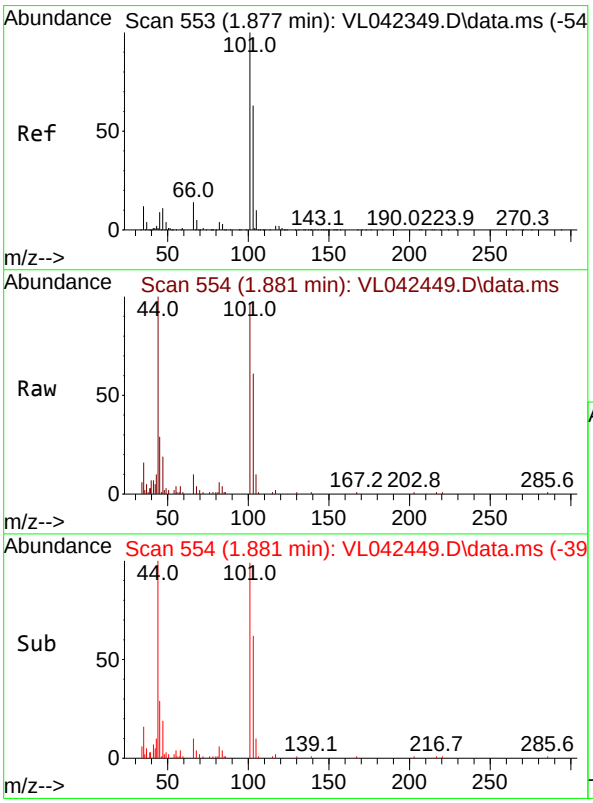
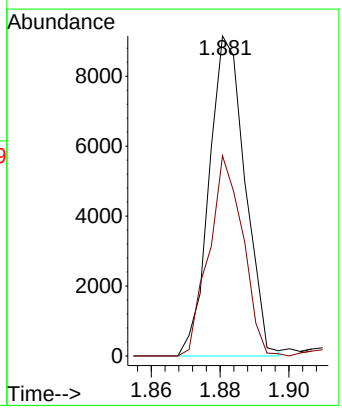
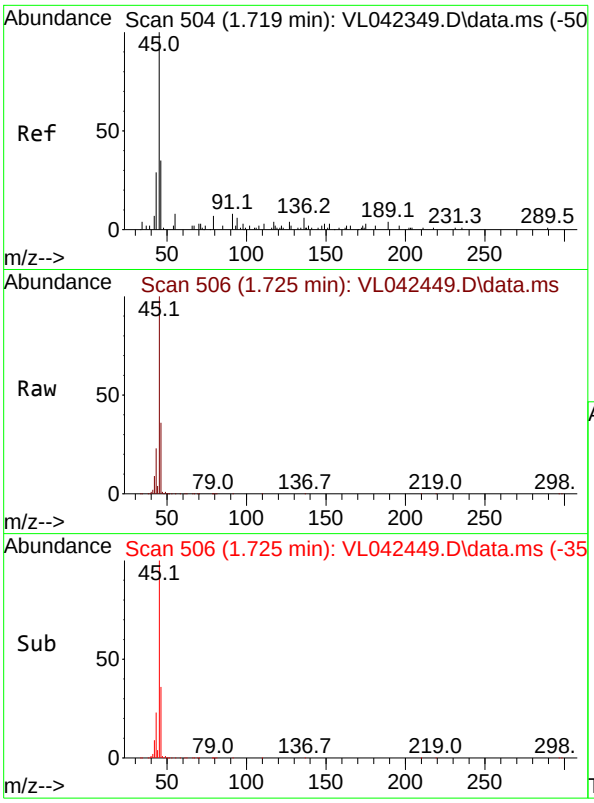


#11
Trichlorofluoromethane
Concen: 0.317 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:101 Resp: 6624

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.1	75.1

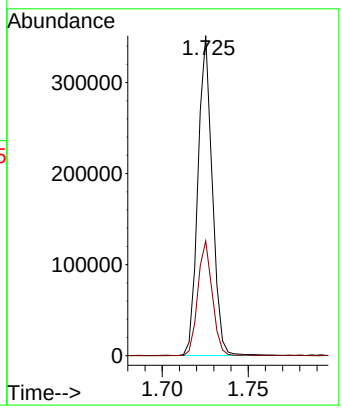




#13
Ethanol
Concen: 134.382 ppbv
RT: 1.725 min Scan# 5(
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 45 Resp: 20378(

Ion	Ratio	Lower	Upper
45	100		
46	36.3	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
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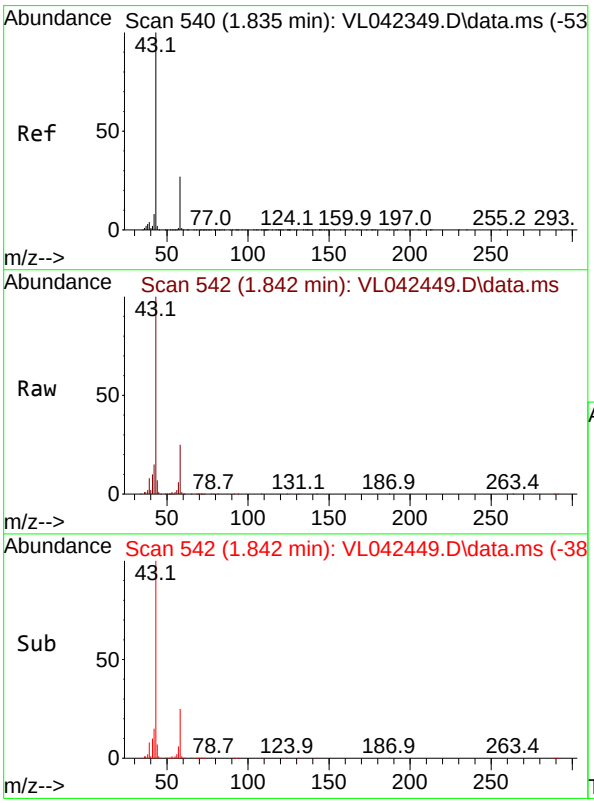
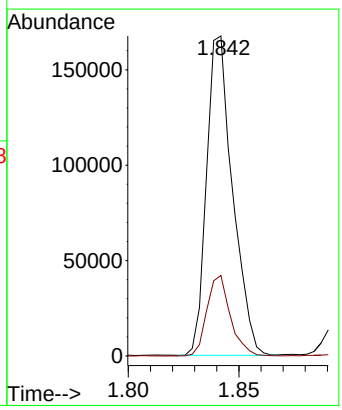
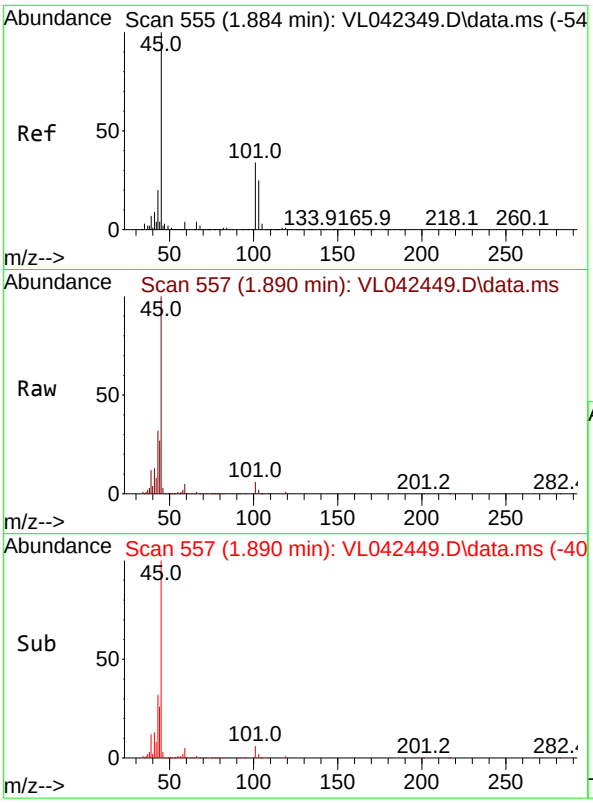


#15
Acetone
Concen: 6.737 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 43 Resp: 137336

Ion	Ratio	Lower	Upper
43	100		
58	22.6	22.4	33.6





#19
Isopropyl Alcohol
Concen: 2.624 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 45 Resp: 2971

Ion	Ratio	Lower	Upper
45	100		
58	104.8	34.5	51.7#

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Manual Integrations
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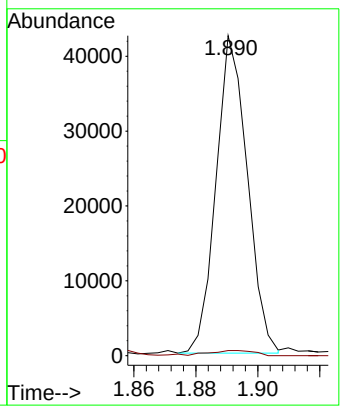
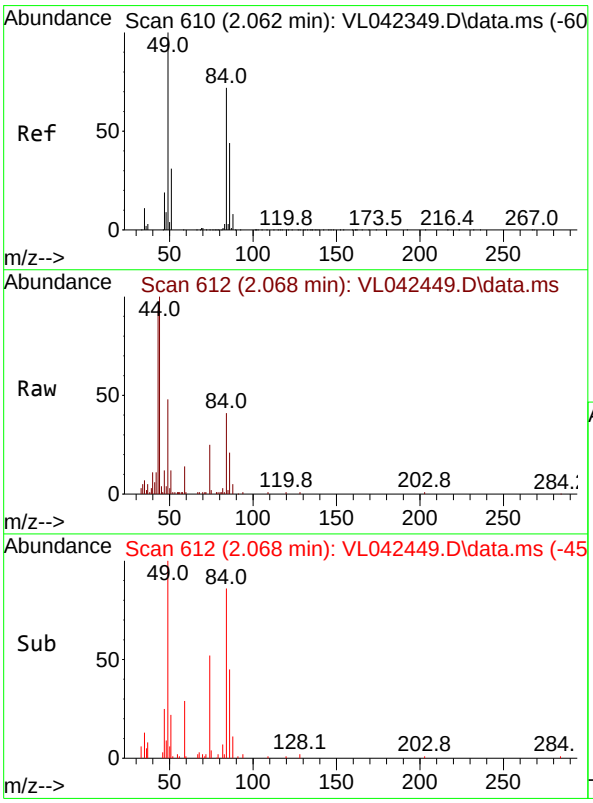
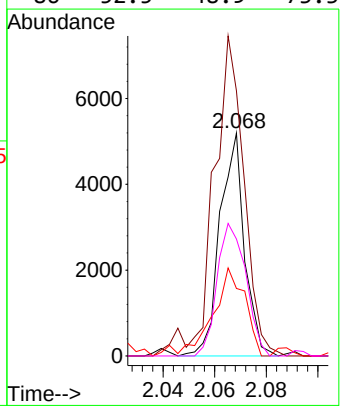


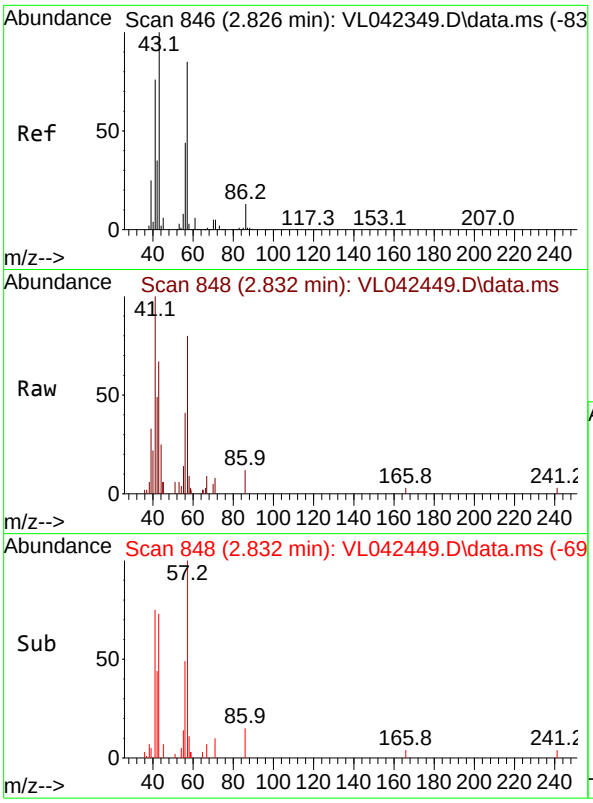


#20
Methylene Chloride
Concen: 0.429 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 84 Resp: 3425

Ion	Ratio	Lower	Upper
84	100		
49	117.1	111.6	167.4
51	29.2	35.1	52.7#
86	52.5	48.9	73.3

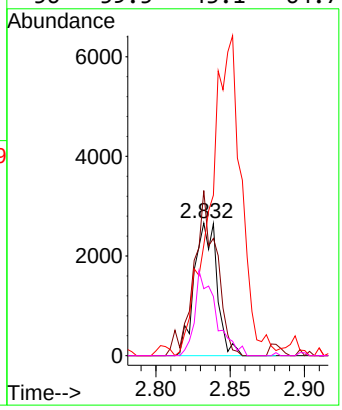




#26
Hexane
Concen: 0.139 ppbv m
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 57 Resp: 282

Ion	Ratio	Lower	Upper
57	100		
41	123.2	77.9	116.9#
43	0.0	208.4	312.6#
56	59.5	43.1	64.7



Instrument :
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ClientSampleId :
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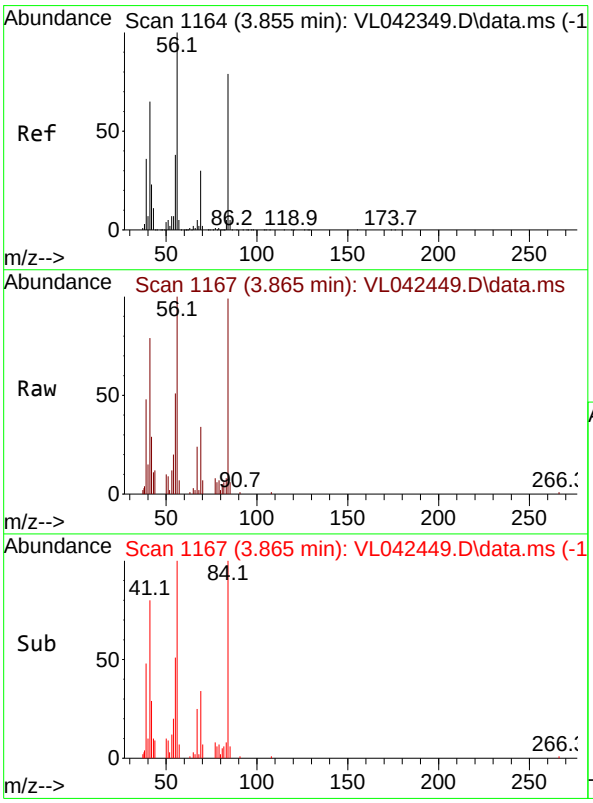
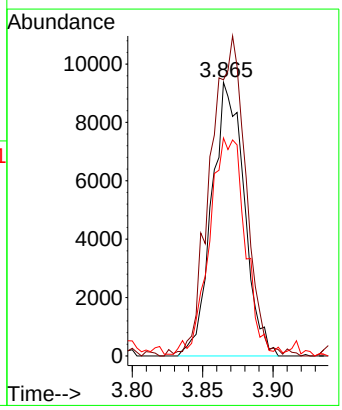
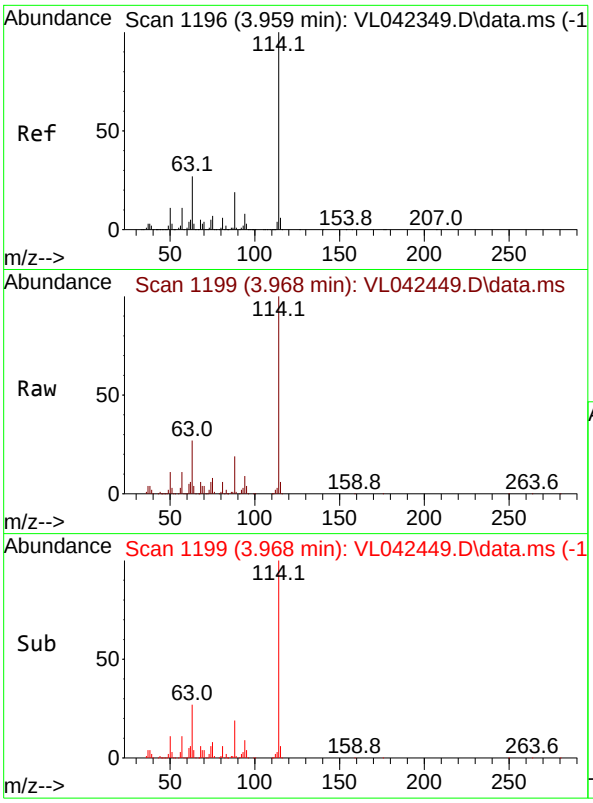


#30
Cyclohexane
Concen: 0.912 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 84 Resp: 15002

Ion	Ratio	Lower	Upper
84	100		
56	127.8	101.0	151.4
41	86.9	67.4	101.0

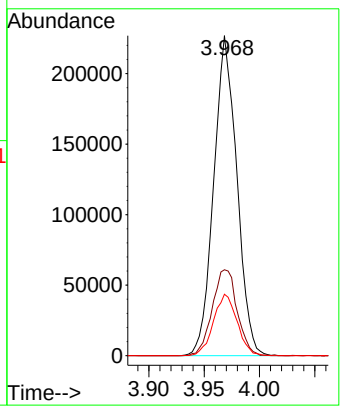




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:114 Resp: 32951

Ion	Ratio	Lower	Upper
114	100		
63	29.0	21.8	32.6
88	19.7	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
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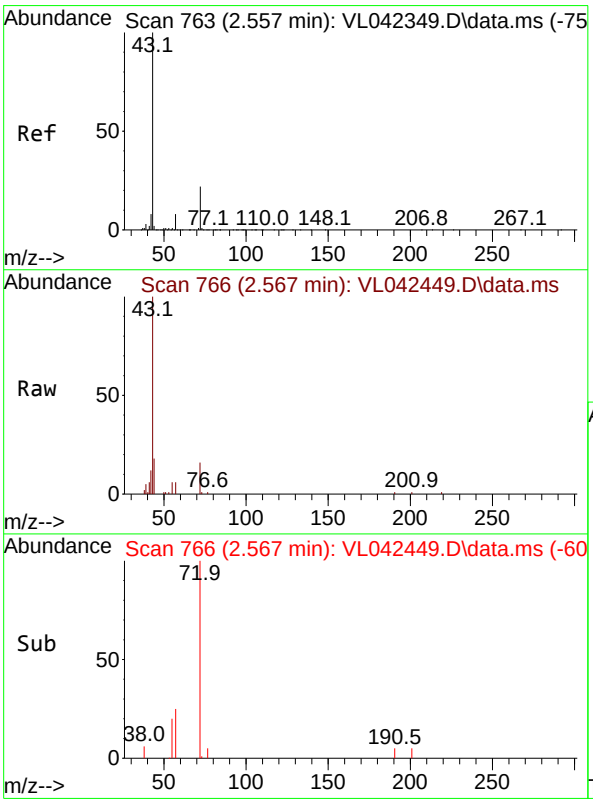
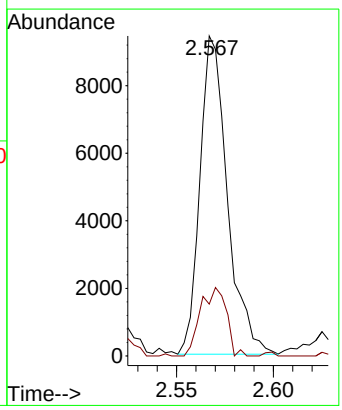
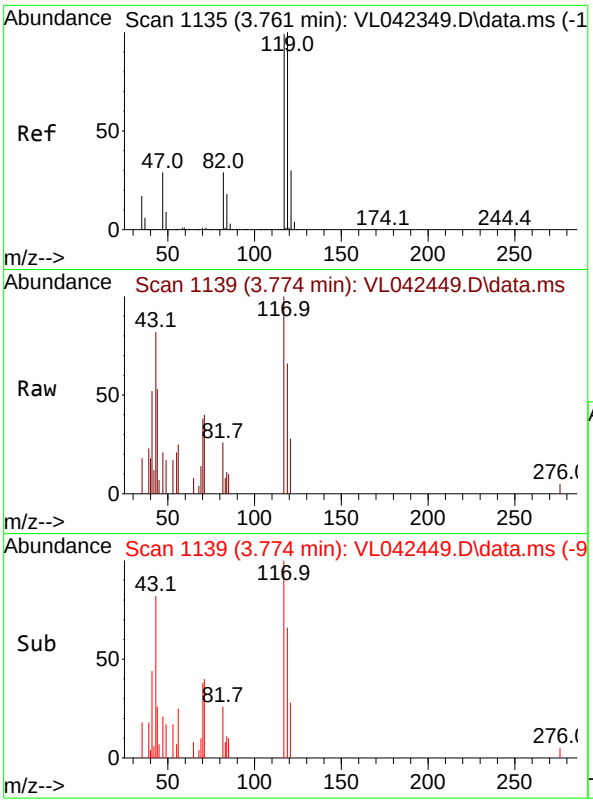


#34
2-Butanone
Concen: 0.358 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 43 Resp: 9322

Ion	Ratio	Lower	Upper
43	100		
72	20.6	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 3.774 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:117 Resp: 172

Ion	Ratio	Lower	Upper
117	100		
119	65.5	80.5	120.7#
121	0.0	24.2	36.2#

Instrument :
MSVOA_L
ClientSampleId :
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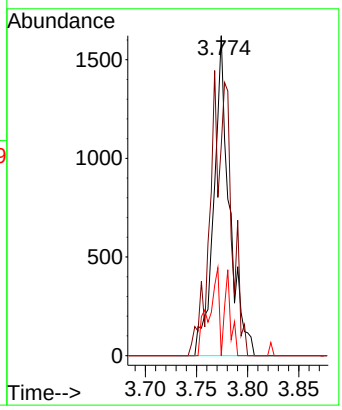
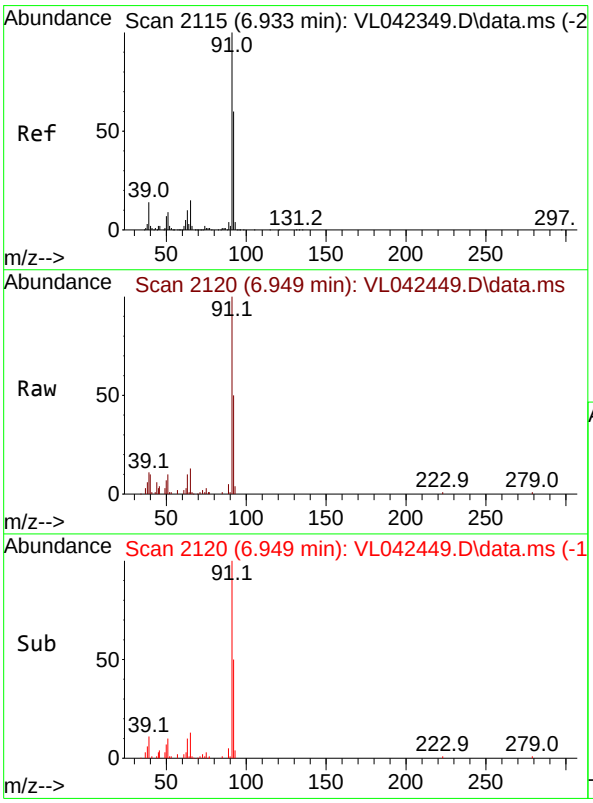
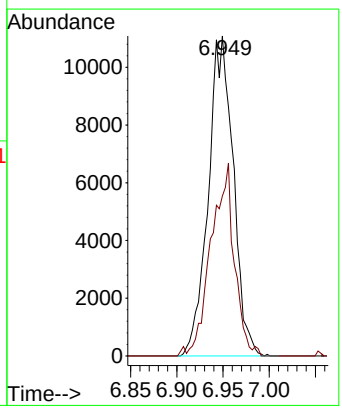


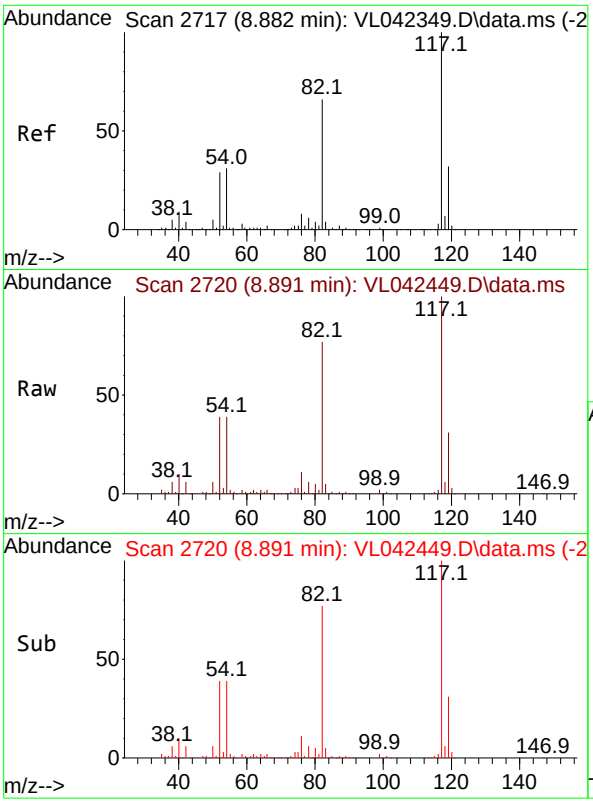


#53
Toluene
Concen: 0.489 ppbv m
RT: 6.949 min Scan# 2120
Delta R.T. 0.016 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 91 Resp: 20852

Ion	Ratio	Lower	Upper
91	100		
92	56.3	48.2	72.4

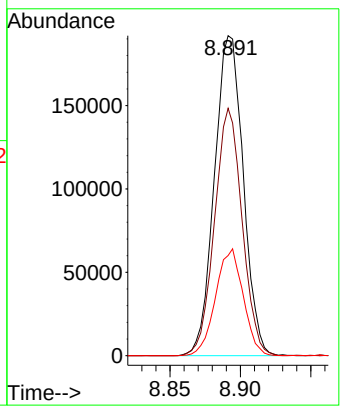




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:117 Resp: 27357

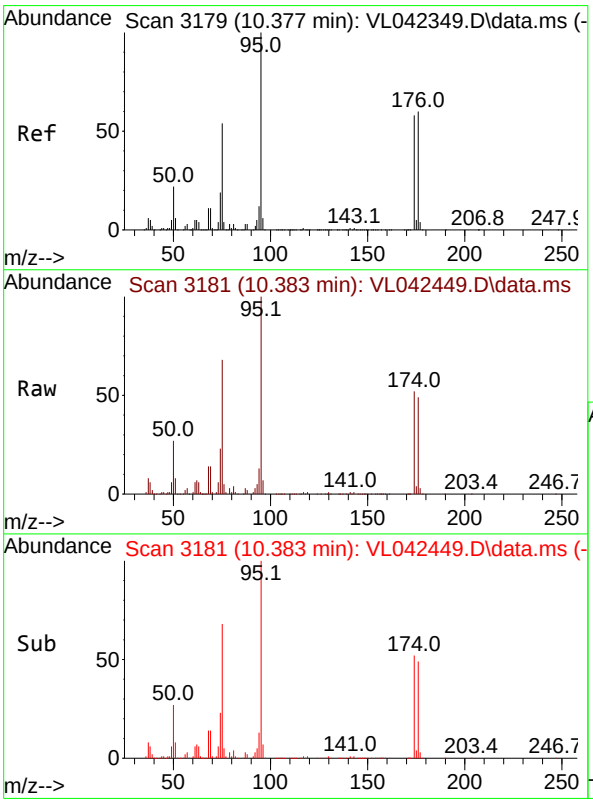
Ion	Ratio	Lower	Upper
117	100		
82	74.0	57.8	86.6
119	32.0	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Manual Integrations
APPROVED

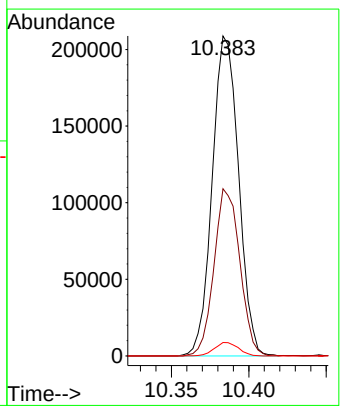
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.990 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 95 Resp: 247059

Ion	Ratio	Lower	Upper
95	100		
174	51.4	48.5	72.7
175	3.9	3.7	5.5



CALIBRATION SUMMARY

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042354.D 0.1 =VL042353.D 0.5 =VL042352.D 1 =VL042351.D 2 =VL042350.D 10 =VL042349.D 15 =VL042355.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.831	1.837	1.827	1.658	1.682	1.767	5.05
3)		Chlorodifluoro...			1.876	1.657	1.698	1.573	1.608	1.682	7.01
4)		Chloromethane			0.752	0.725	0.701	0.652	0.665	0.699	5.93
5)	T	Vinyl Chloride	1.002	0.911	0.731	0.709	0.689	0.638	0.647	0.761	18.39
6)	T	Bromomethane			0.397	0.330	0.300	0.304	0.303	0.327	12.56
7)		Chloroethane			0.303	0.287	0.280	0.253	0.255	0.275	7.76
8)	T	Dichlorotetraf...			1.556	1.550	1.581	1.432	1.465	1.517	4.25
9)	T	Propene			0.880	0.797	0.758	0.690	0.707	0.766	9.95
10)	T	Heptane			2.444	2.296	2.209	1.884	1.931	2.153	11.14
11)	T	Trichlorofluor...			1.684	1.806	1.746	1.567	1.597	1.680	5.95
12)	T	1,1,2-Trichlor...			1.389	1.439	1.437	1.281	1.323	1.374	5.11
13)		Ethanol			0.275	0.139	0.123	0.035	0.036	0.122	80.54
14)	T	Bromoethene			0.537	0.545	0.530	0.490	0.487	0.518	5.24
15)	T	Acetone			1.968	1.895	1.743	1.263	1.316	1.637	20.03
16)	T	1,3-Butadiene			1.015	0.836	0.735	0.651	0.678	0.783	18.90
17)		tert-Butyl alc...			2.263	2.132	2.103	1.804	1.841	2.029	9.76
18)	T	1,1-Dichloroet...			0.735	0.635	0.637	0.583	0.618	0.642	8.79
19)	T	Isopropyl Alcohol			1.050	0.980	0.897	0.821	0.798	0.909	11.66
20)	T	Methylene Chlo...			0.875	0.728	0.582	0.498	0.523	0.641	24.71
21)	T	Allyl Chloride			1.276	1.213	1.110	0.973	1.080	1.130	10.44
22)	T	trans-1,2-Dich...			0.814	0.759	0.736	0.664	0.681	0.731	8.32
23)	T	Vinyl Acetate			0.656	0.744	0.749	0.555	0.610	0.663	12.72
24)	T	1,1-Dichloroet...			1.452	1.469	1.383	1.284	1.352	1.388	5.43
25)	T	Ethyl Acetate			4.428	4.147	4.118	3.677	3.812	4.036	7.34
26)	T	Hexane			1.899	1.719	1.625	1.424	1.499	1.633	11.45
27)	T	Carbon Disulfide			1.903	1.670	1.785	1.668	1.718	1.749	5.63
28)	T	Methyl tert-Bu...			1.134	1.141	1.132	0.940	1.004	1.070	8.64
29)	T	Chloroform			2.458	2.333	2.392	2.145	2.215	2.309	5.54
30)	T	Cyclohexane			1.422	1.333	1.347	1.252	1.249	1.320	5.50
31)	T	cis-1,2-Dichlo...			1.588	1.603	1.593	1.459	1.522	1.553	3.95
32)	T	1,1,1-Trichlor...	3.110	2.840	2.557	2.549	2.493	2.274	2.369	2.599	11.03
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.886	0.826	0.818	0.687	0.737	0.791	9.94
35)	T	Carbon Tetrach...	1.319	0.914	0.832	0.830	0.847	0.770	0.823	0.905	20.70
36)	T	Benzene			1.146	1.075	1.121	1.002	1.048	1.079	5.31
37)	T	1,2-Dichloroet...			0.691	0.647	0.666	0.592	0.641	0.647	5.63
38)	T	Trichloroethene	0.643	0.505	0.443	0.448	0.447	0.395	0.419	0.471	17.59
39)	T	1,2-Dichloropr...			0.441	0.413	0.405	0.370	0.381	0.402	6.97

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL041725AIR.M

40)	T	1,4-Dioxane			0.263	0.243	0.232	0.182	0.185	0.221	16.27
41)	T	Tetrahydrofuran			0.518	0.480	0.468	0.409	0.432	0.461	9.20
42)	T	Bromodichlorom...			0.943	0.909	0.912	0.852	0.889	0.901	3.71
43)		Methyl Methacr...			0.545	0.520	0.495	0.430	0.441	0.486	10.21
44)	T	2,2,4-Trimethy...			1.935	1.916	1.962	1.708	1.794	1.863	5.79
45)	T	t-1,3-Dichloro...			0.514	0.510	0.509	0.459	0.491	0.497	4.60
46)	T	cis-1,3-Dichlo...			0.613	0.617	0.637	0.570	0.603	0.608	4.05
47)	T	1,1,2-Trichlor...			0.423	0.429	0.420	0.376	0.399	0.410	5.32
48)	T	Dibromochlorom...			0.743	0.721	0.746	0.679	0.729	0.723	3.70
49)	T	Bromoform			0.622	0.623	0.675	0.616	0.627	0.633	3.82
50)	T	4-Methyl-2-Pen...			1.541	1.382	1.435	1.082	1.132	1.314	15.12
51)	T	2-Hexanone			1.341	1.311	1.411	0.893	0.938	1.179	20.69
52)	T	Tetrachloroethene	0.543	0.452	0.420	0.393	0.391	0.357	0.363	0.417	15.46
53)	T	Toluene			1.371	1.295	1.370	1.193	1.244	1.294	6.03
54)	T	1,2-Dibromoethane		0.621	0.582	0.605	0.606	0.539	0.562	0.586	5.27
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.621	0.640	0.635	0.550	0.581	0.605	6.37
57)	T	Chlorobenzene			1.129	1.067	1.068	0.956	0.981	1.040	6.79
58)	T	Ethyl Benzene			2.029	2.088	2.068	1.832	1.890	1.981	5.73
59)	T	m/p-Xylene			1.685	1.682	1.658	1.456	1.500	1.596	6.86
60)	T	o-Xylene			1.740	1.697	1.668	1.442	1.490	1.607	8.25
61)	T	Styrene			0.792	0.776	0.808	0.726	0.734	0.767	4.68
62)		Isopropylbenzene			2.517	2.470	2.439	2.170	2.202	2.360	6.83
63)	T	1,1,2,2-Tetrac...	1.407	1.176	0.990	0.985	0.968	0.873	0.892	1.042	18.12
64)		n-propylbenzene			0.645	0.605	0.610	0.542	0.564	0.593	6.81
65)		tert-Butylbenzene			2.319	2.358	2.315	1.907	1.945	2.169	10.27
66)	T	Benzyl Chloride			0.241	0.239	0.258	0.246	0.208	0.238	7.84
67)		sec-Butylbenzene			3.242	3.219	3.253	2.662	2.709	3.017	10.05
68)	S	1-Bromo-4-Fluo...	0.819	0.814	0.824	0.818	0.822	0.831	0.825	0.822	0.69
69)		p-Isopropyltol...			2.834	2.818	2.811	2.304	2.338	2.621	10.46
70)		n-Butylbenzene			2.985	2.926	2.953	2.370	2.414	2.730	11.33
71)		2-Chlorotoluene			1.972	1.924	1.920	1.695	1.744	1.851	6.65
72)	T	4-Ethyltoluene			2.055	2.118	2.054	1.765	1.833	1.965	7.92
73)	T	1,3,5-Trimethy...			1.894	1.851	1.841	1.517	1.570	1.735	10.19
74)	T	1,2,4-Trimethy...			2.348	2.245	2.168	1.671	1.698	2.026	15.71
75)	T	1,3-Dichlorobe...			1.119	1.121	1.119	0.948	0.960	1.053	8.64
76)	T	1,4-Dichlorobe...			1.138	1.115	1.122	0.944	0.974	1.059	8.69
77)	T	1,2-Dichlorobe...			1.085	1.093	1.114	0.904	0.924	1.024	9.88
78)	T	Hexachloro-1,3...			1.163	1.136	1.135	0.863	0.874	1.034	14.66
79)	T	Naphthalene		2.433	2.395	2.756	2.909	2.004	2.040	2.423	15.11
80)	T	Naphthalene,2-...			1.311	1.534	1.777	1.115	1.168	1.381	19.88
81)	T	1,2,4-Trichlor...			1.026	1.117	1.224	0.905	0.929	1.040	12.75

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	125455	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	366544	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	338126	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281013	10.114	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	207962	9.382	ppbv	100
3) Chlorodifluoromethane	1.476	51	197334	9.350	ppbv	100
4) Chloromethane	1.531	50	81843	9.330	ppbv	100
5) Vinyl Chloride	1.580	62	80068	8.385	ppbv	100
6) Bromomethane	1.667	94	38128	9.219	ppbv	100
7) Chloroethane	1.703	64	31705	9.182	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	179696	9.442	ppbv	100
9) Propene	1.483	41	86530	9.002	ppbv	100
10) Heptane	4.978	43	236341	9.138	ppbv	100
11) Trichlorofluoromethane	1.877	101	196596	9.327	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	160682	9.323	ppbv	100
13) Ethanol	1.719	45	4439	5.651	ppbv	100
14) Bromoethene	1.780	108	61493	9.466	ppbv	100
15) Acetone	1.835	43	158490	7.717	ppbv	100
16) 1,3-Butadiene	1.609	39	81688	8.470	ppbv	100
17) tert-Butyl alcohol	2.039	59	226280	8.891	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73186	8.833	ppbv	100
19) Isopropyl Alcohol	1.884	45	103029	9.031	ppbv	100
20) Methylene Chloride	2.062	84	62414	7.760	ppbv	100
21) Allyl Chloride	2.094	41	122115	8.611	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	83278	9.084	ppbv	100
23) Vinyl Acetate	2.460	43	69649	8.378	ppbv	100
24) 1,1-Dichloroethane	2.408	63	161102	9.251	ppbv	100
25) Ethyl Acetate	2.836	43	461315	9.110	ppbv	100
26) Hexane	2.826	57	178691	8.720	ppbv	100
27) Carbon Disulfide	2.149	76	209297	9.539	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	117924	8.783	ppbv	100
29) Chloroform	2.848	83	269088	9.290	ppbv	100
30) Cyclohexane	3.855	84	157035	9.517	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	183082	9.397	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	285336	9.187	ppbv	100
34) 2-Butanone	2.557	43	251704	8.683	ppbv	100
35) Carbon Tetrachloride	3.761	117	282402	8.513	ppbv	100
36) Benzene	3.654	78	367355	9.292	ppbv	100
37) 1,2-Dichloroethane	3.217	62	216999	9.145	ppbv	100
38) Trichloroethene	4.548	130	144767	8.352	ppbv	100
39) 1,2-Dichloropropane	4.311	63	135605	9.197	ppbv	100
40) 1,4-Dioxane	4.580	88	66662	8.348	ppbv #	100
41) Tetrahydrofuran	3.052	42	149905	8.950	ppbv	100
42) Bromodichloromethane	4.489	83	312268	9.456	ppbv	100
43) Methyl Methacrylate	4.881	69	157501	8.876	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	626085	9.157	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	168223	9.233	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	5.600	75	208811	9.377	ppbv	100
47)	1,1,2-Trichloroethane	6.580	97	137898	9.181	ppbv	100
48)	Dibromochloromethane	7.386	129	248954	9.388	ppbv	100
49)	Bromoform	9.480	173	225706	9.734	ppbv	100
50)	4-Methyl-2-Pentanone	5.752	43	396548	8.215	ppbv	100
51)	2-Hexanone	7.435	43	327165	7.511	ppbv	100
52)	Tetrachloroethene	8.225	164	130720	8.553	ppbv	100
53)	Toluene	6.933	91	437258	9.216	ppbv	100
54)	1,2-Dibromoethane	7.652	107	197665	9.235	ppbv	100
56)	1,1,1,2-Tetrachloroethane	8.927	131	186041	9.091	ppbv	100
57)	Chlorobenzene	8.920	112	323084	9.187	ppbv	100
58)	Ethyl Benzene	9.354	91	619581	9.248	ppbv	100
59)	m/p-Xylene	9.552	91	984458m	18.187	ppbv	
60)	o-Xylene	9.963	91	487616	8.972	ppbv	100
61)	Styrene	9.869	104	245487	9.464	ppbv	100
62)	Isopropylbenzene	10.539	105	733788	9.197	ppbv	100
63)	1,1,2,2-Tetrachloroethane	9.963	83	295041	8.355	ppbv	100
64)	n-propylbenzene	10.989	120	183390	9.144	ppbv	100
65)	tert-Butylbenzene	11.532	119	644953	8.795	ppbv	100
66)	Benzyl Chloride	11.617	91	83269	10.333	ppbv	100
67)	sec-Butylbenzene	11.769	105	900074	8.824	ppbv	100
69)	p-Isopropyltoluene	11.927	119	778987	8.790	ppbv	100
70)	n-Butylbenzene	12.283	91	801364	8.682	ppbv	100
71)	2-Chlorotoluene	10.901	91	573039	9.157	ppbv	100
72)	4-Ethyltoluene	11.125	105	596757	8.982	ppbv	100
73)	1,3,5-Trimethylbenzene	11.205	105	512855	8.743	ppbv	100
74)	1,2,4-Trimethylbenzene	11.539	105	565064	8.248	ppbv	100
75)	1,3-Dichlorobenzene	11.607	146	320380	8.997	ppbv	100
76)	1,4-Dichlorobenzene	11.672	146	319089	8.915	ppbv	100
77)	1,2-Dichlorobenzene	11.947	146	305822	8.832	ppbv	100
78)	Hexachloro-1,3-Butadiene	13.882	225	291833	8.346	ppbv	100
79)	Naphthalene	13.513	128	677578	8.271	ppbv	100
80)	Naphthalene,2-methyl-	14.458	142	376995	8.074	ppbv	100
81)	1,2,4-Trichlorobenzene	13.442	180	306119	8.702	ppbv	100

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

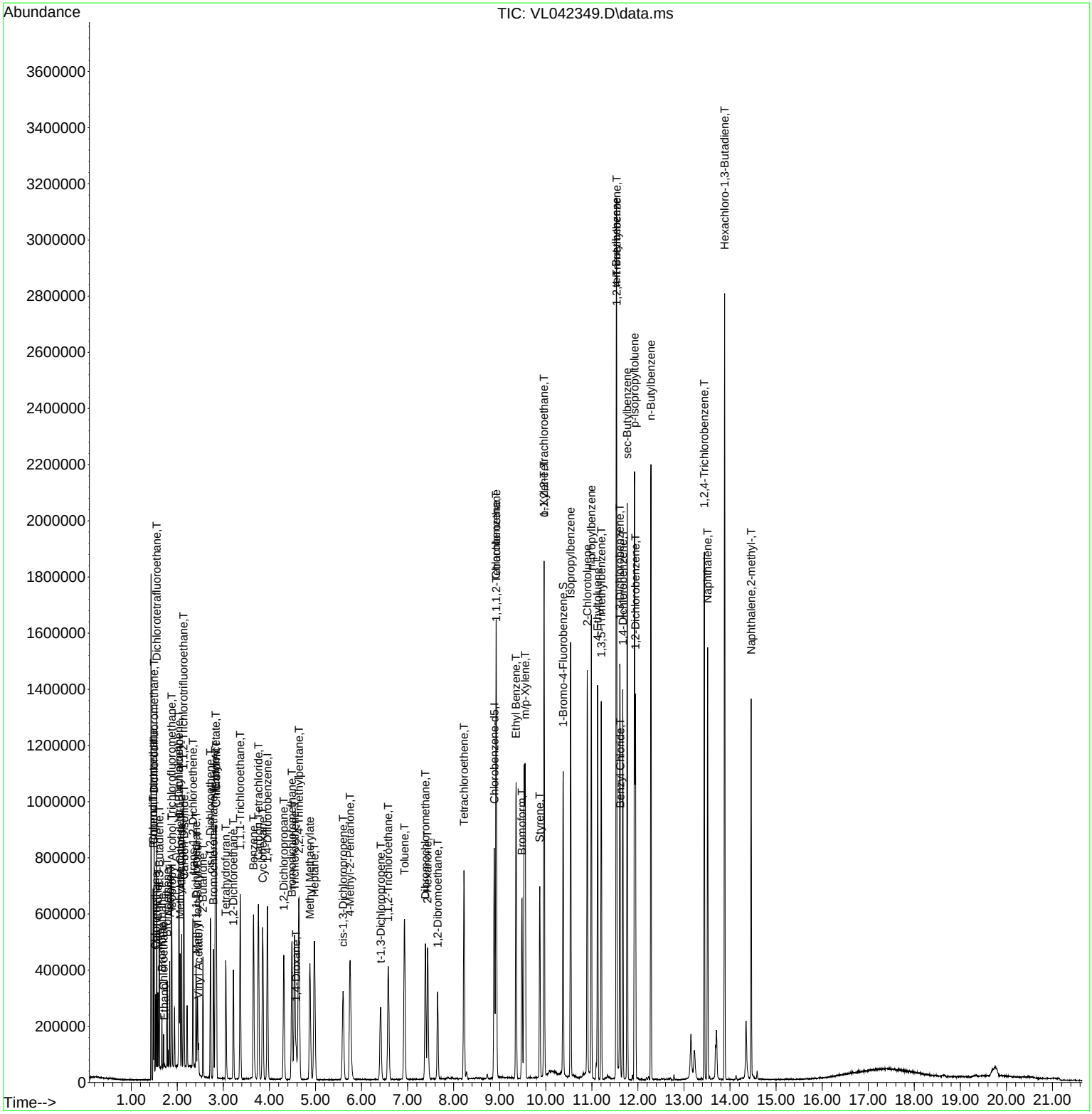
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

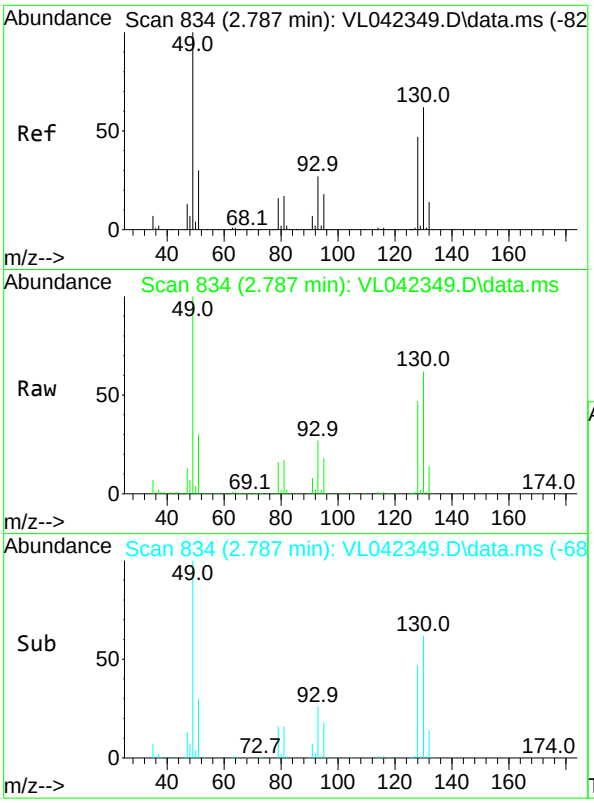
Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

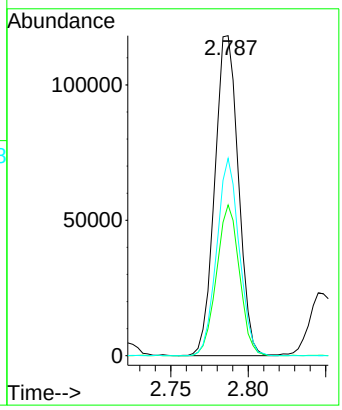




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 49 Resp: 12545

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.8	68.4
130	58.7	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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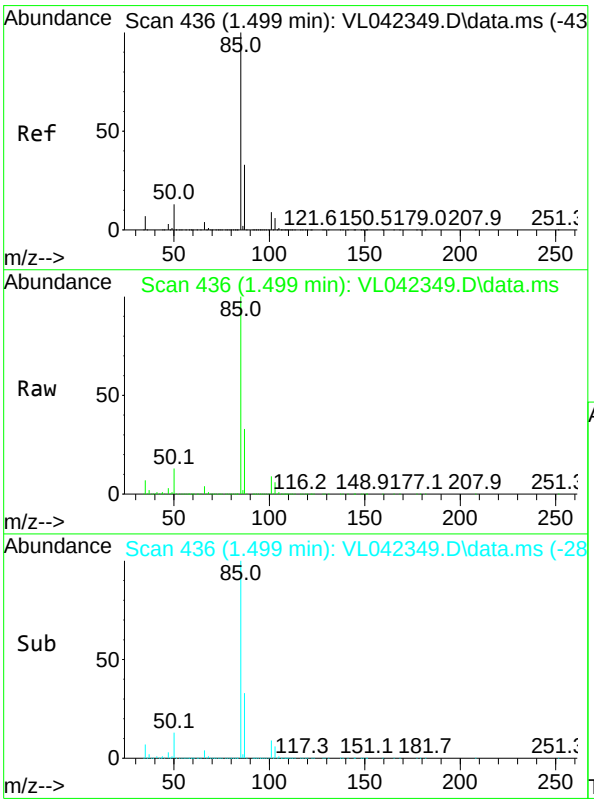
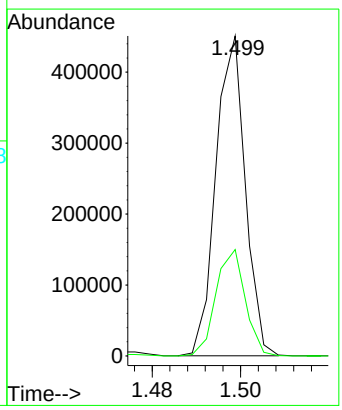
Supervised By :Mahesh Dadoda 04/18/2025

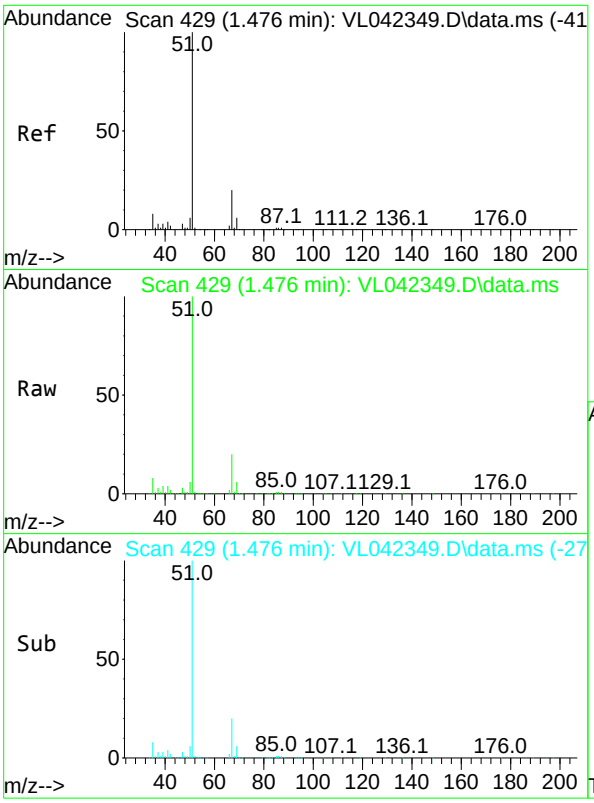


#2
Dichlorodifluoromethane
Concen: 9.382 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 85 Resp: 207962

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	39.8

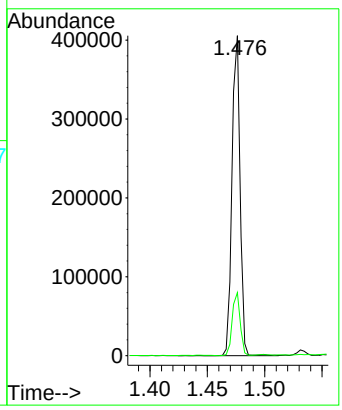




#3
Chlorodifluoromethane
Concen: 9.350 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 51 Resp: 19733

Ion	Ratio	Lower	Upper
51	100		
67	20.3	16.2	24.4



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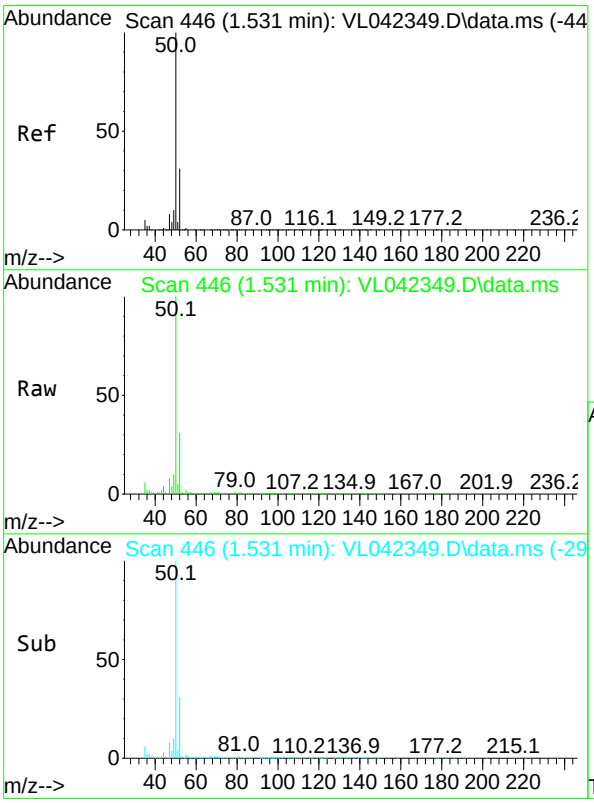
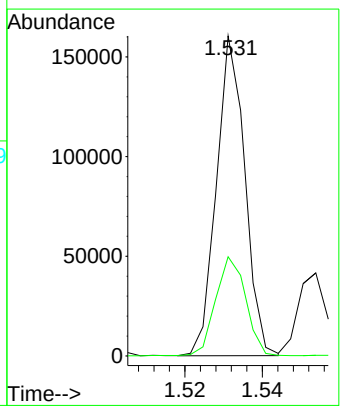
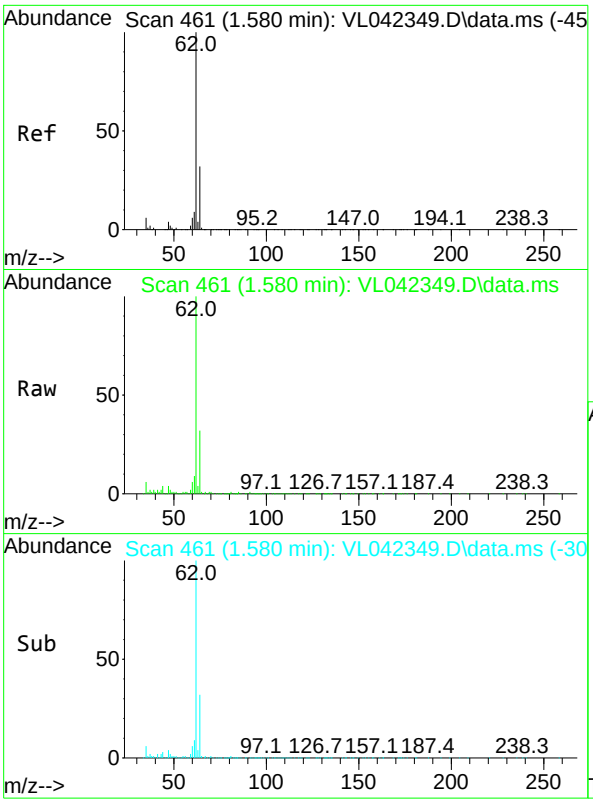


#4
Chloromethane
Concen: 9.330 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 50 Resp: 81843

Ion	Ratio	Lower	Upper
50	100		
52	30.9	24.7	37.1

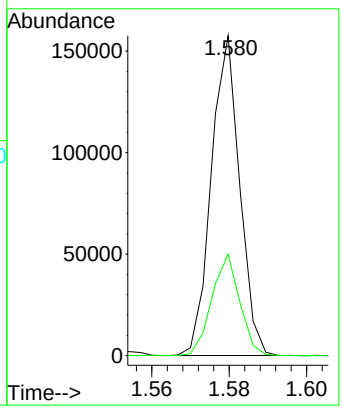




#5
Vinyl Chloride
Concen: 8.385 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 62 Resp: 8006

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0



Instrument :
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ClientSampleId :
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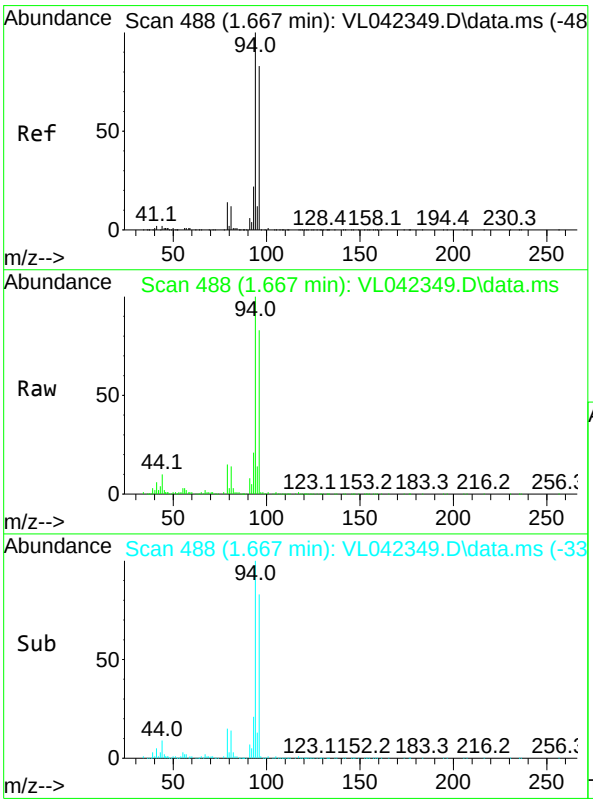
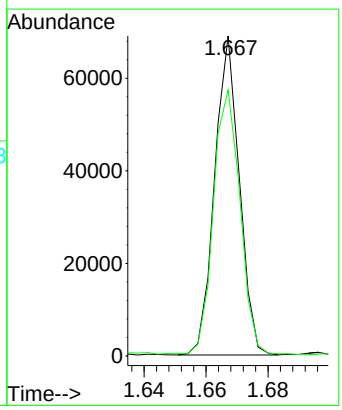
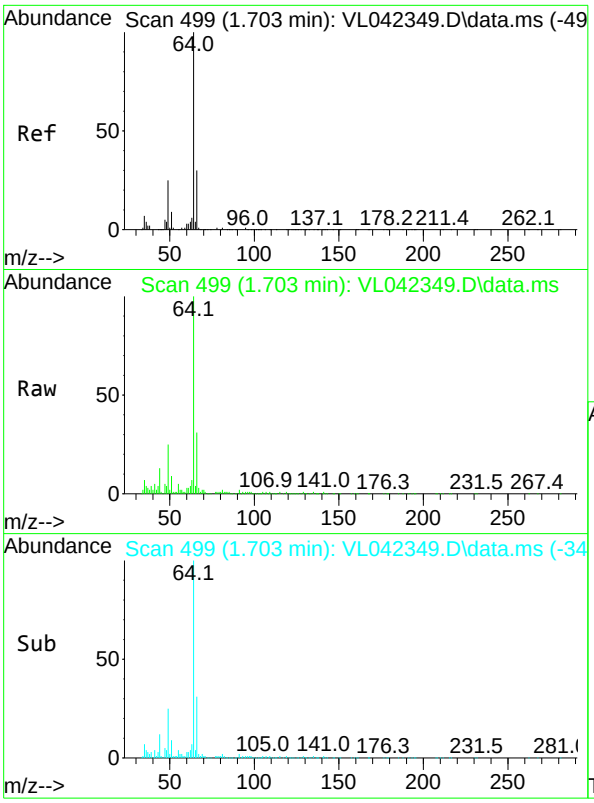


#6
Bromomethane
Concen: 9.219 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 94 Resp: 38128

Ion	Ratio	Lower	Upper
94	100		
96	82.7	66.2	99.2

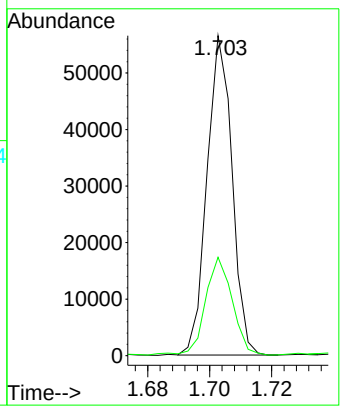




#7
Chloroethane
Concen: 9.182 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 64 Resp: 3170

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
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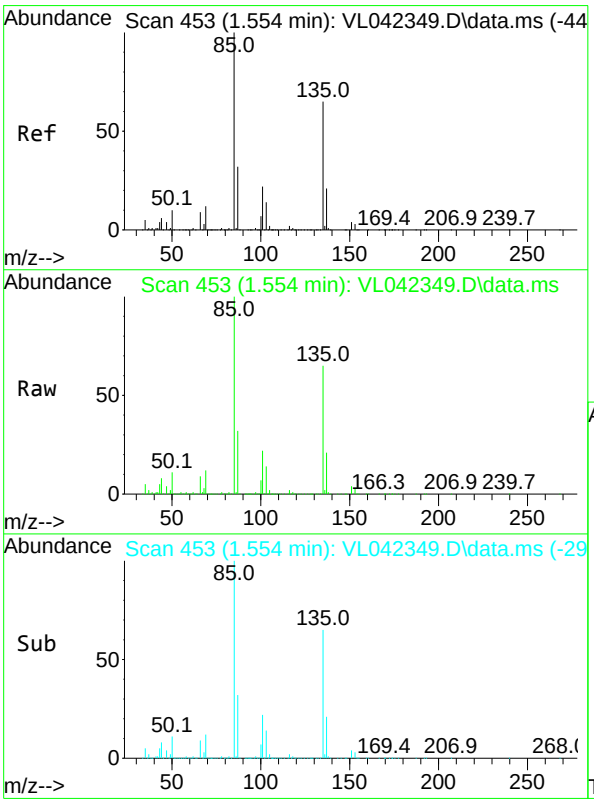
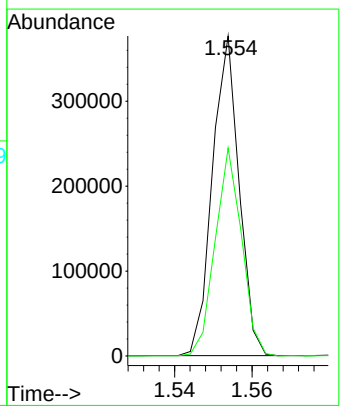
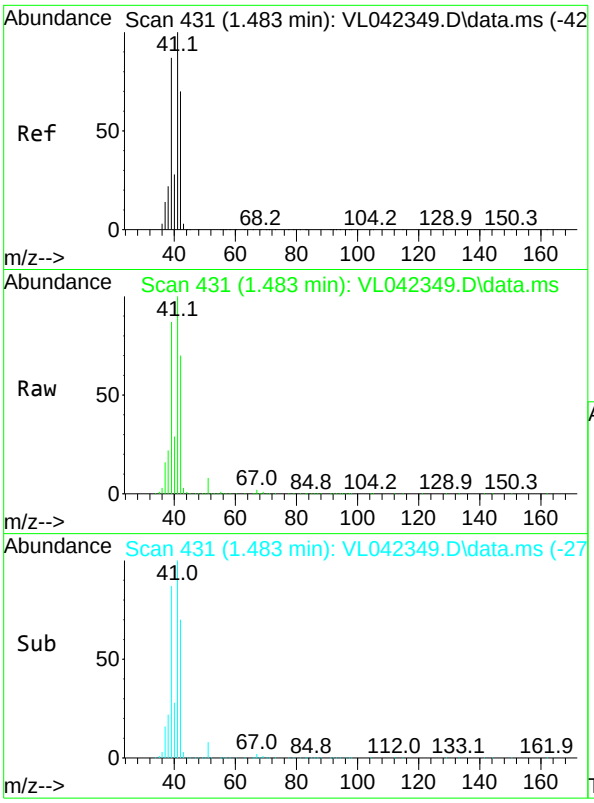


#8
Dichlorotetrafluoroethane
Concen: 9.442 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 85 Resp: 179696

Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.2	78.2

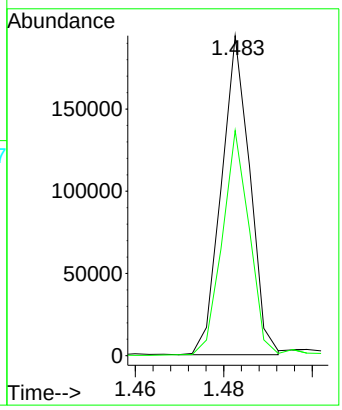




#9
Propene
Concen: 9.002 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 41 Resp: 8653

Ion	Ratio	Lower	Upper
41	100		
42	70.3	56.2	84.4



Instrument :
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ClientSampleId :
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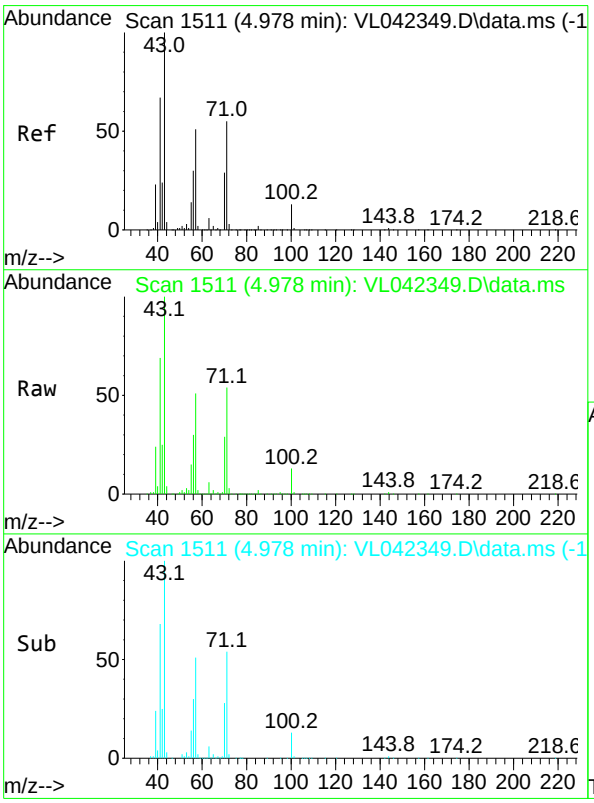
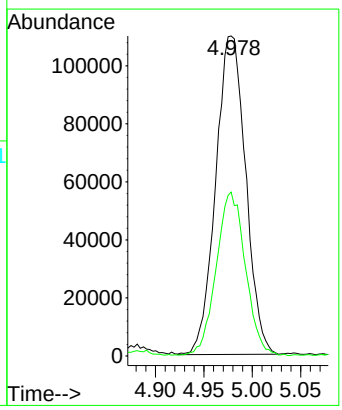
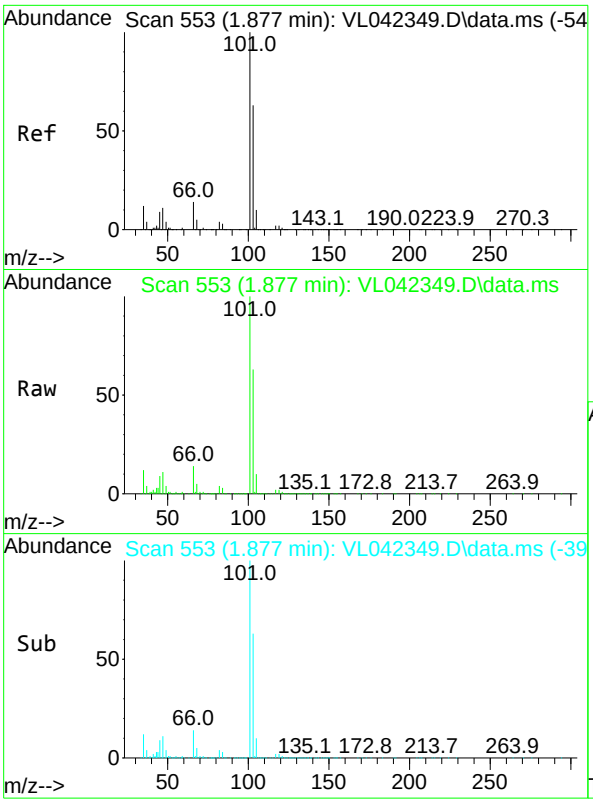


#10
Heptane
Concen: 9.138 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 236341

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.9	59.9

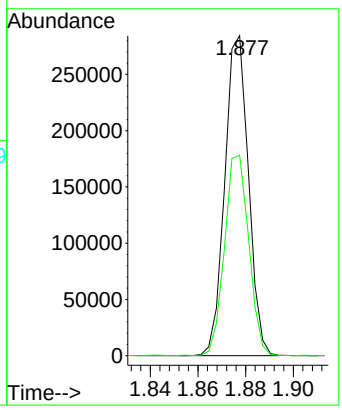




#11
Trichlorofluoromethane
Concen: 9.327 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:101 Resp: 19659

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.1	75.1



Instrument :
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ClientSampleId :
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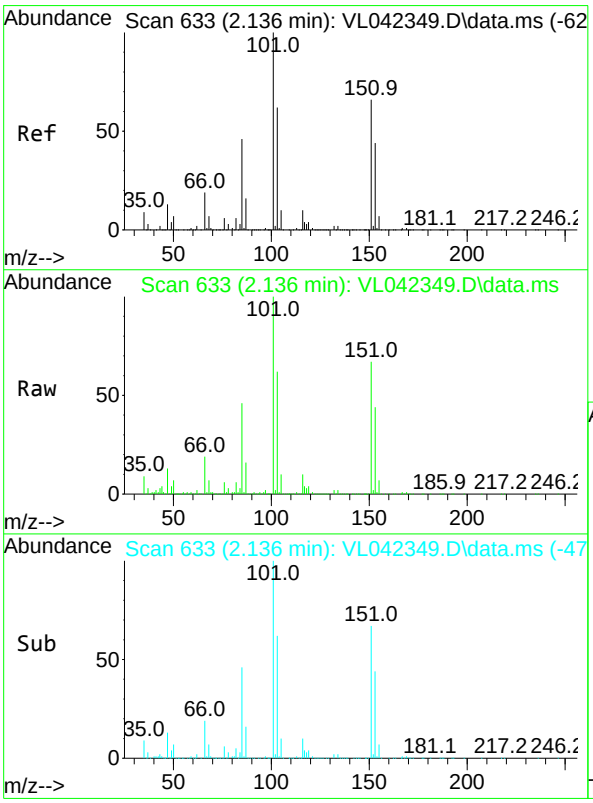
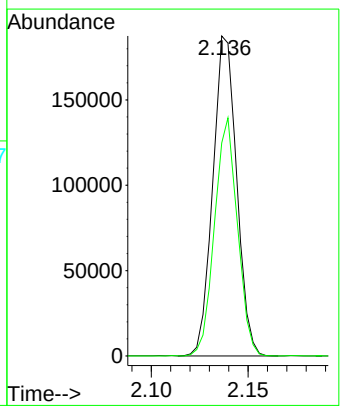
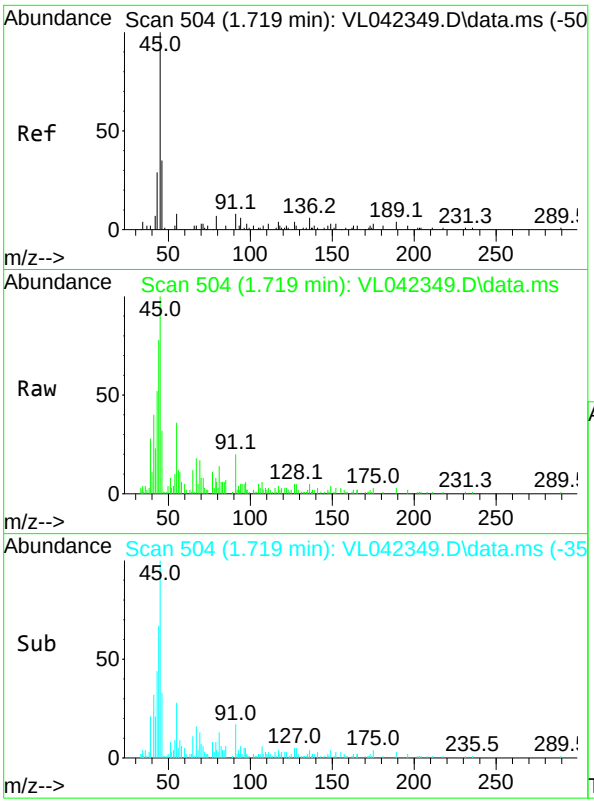


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.323 ppbv
RT: 2.136 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:101 Resp: 160682

Ion	Ratio	Lower	Upper
101	100		
151	71.3	57.0	85.6

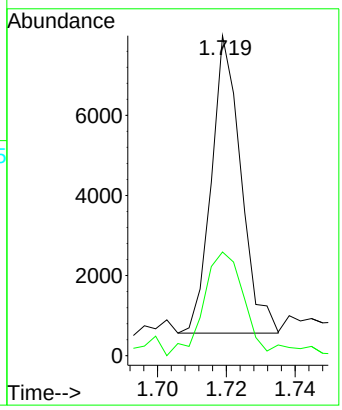




#13
Ethanol
Concen: 5.651 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 45 Resp: 443

Ion	Ratio	Lower	Upper
45	100		
46	54.8	21.9	87.7



Instrument :
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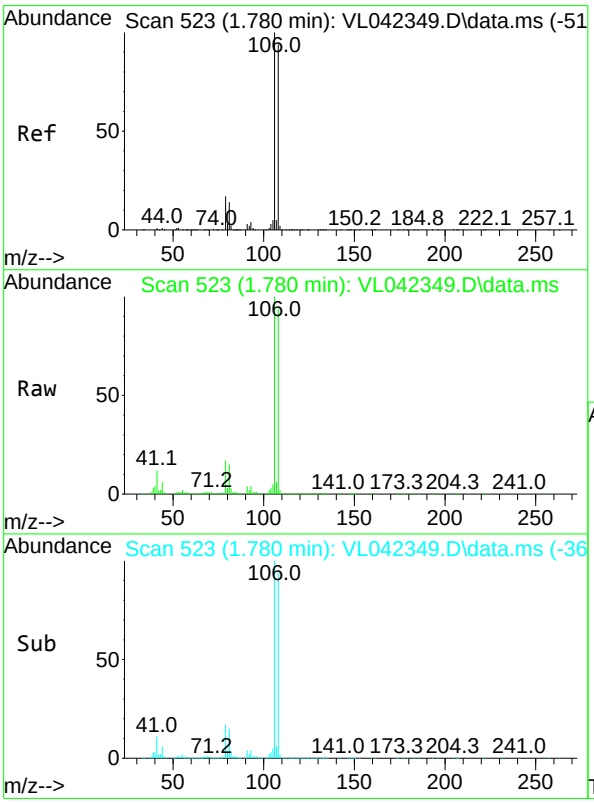
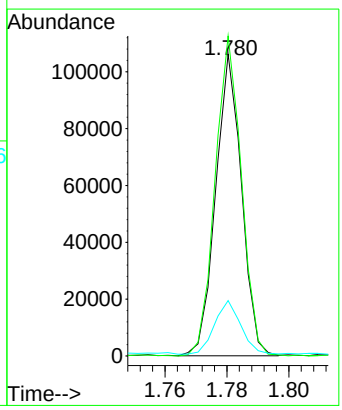
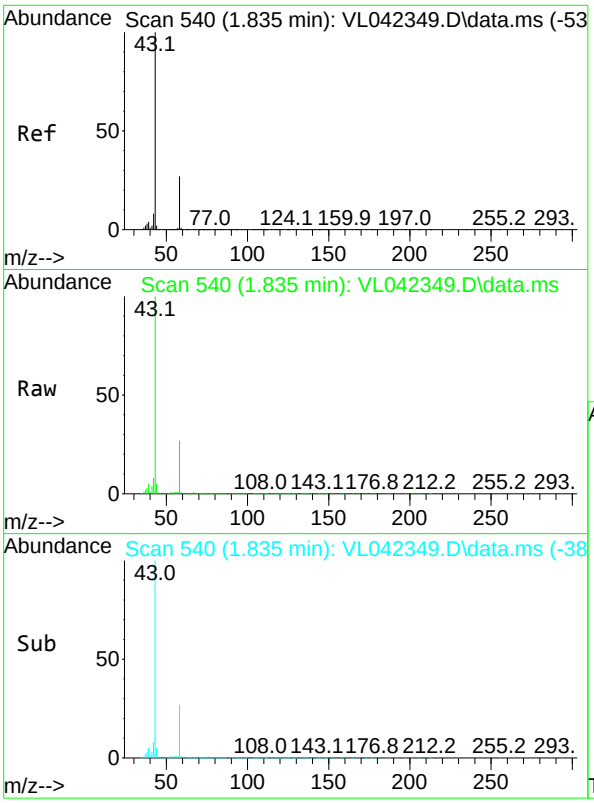


#14
Bromoethene
Concen: 9.466 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:108 Resp: 61493

Ion	Ratio	Lower	Upper
108	100		
106	107.4	85.9	128.9
79	17.4	13.9	20.9

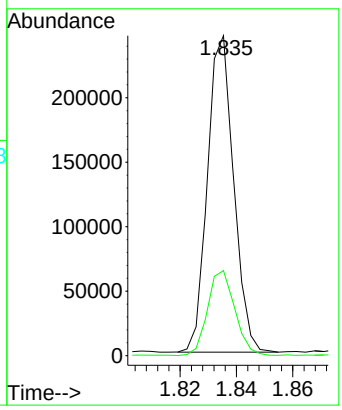




#15
Acetone
Concen: 7.717 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 15849

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6



Instrument :
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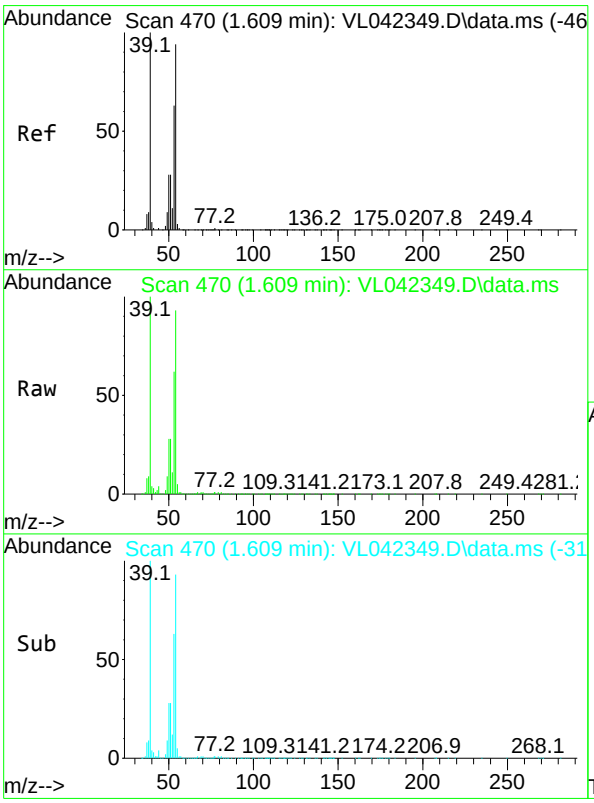
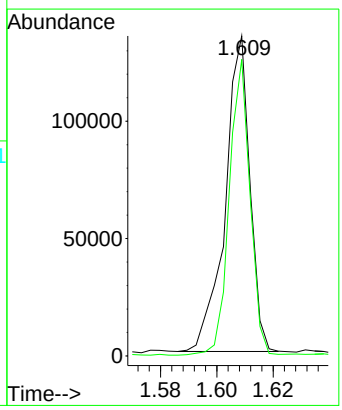
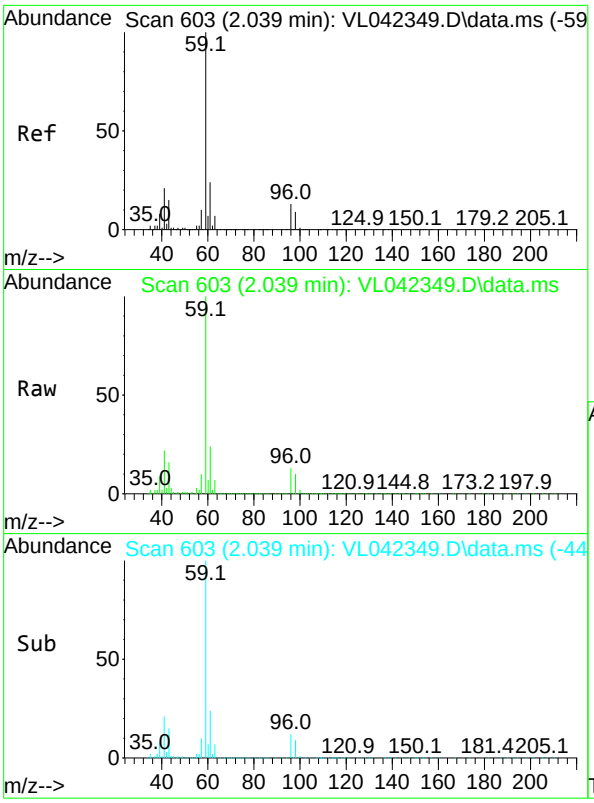


#16
1,3-Butadiene
Concen: 8.470 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 39 Resp: 81688

Ion	Ratio	Lower	Upper
39	100		
54	81.1	64.9	97.3

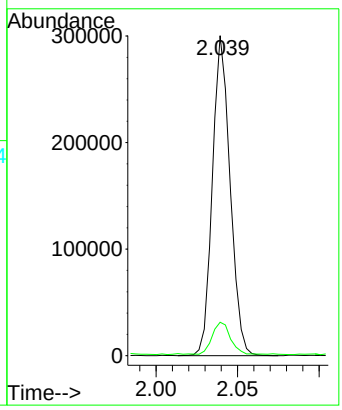




#17
tert-Butyl alcohol
Concen: 8.891 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 59 Resp: 22628

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1



Instrument :
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ClientSampleId :
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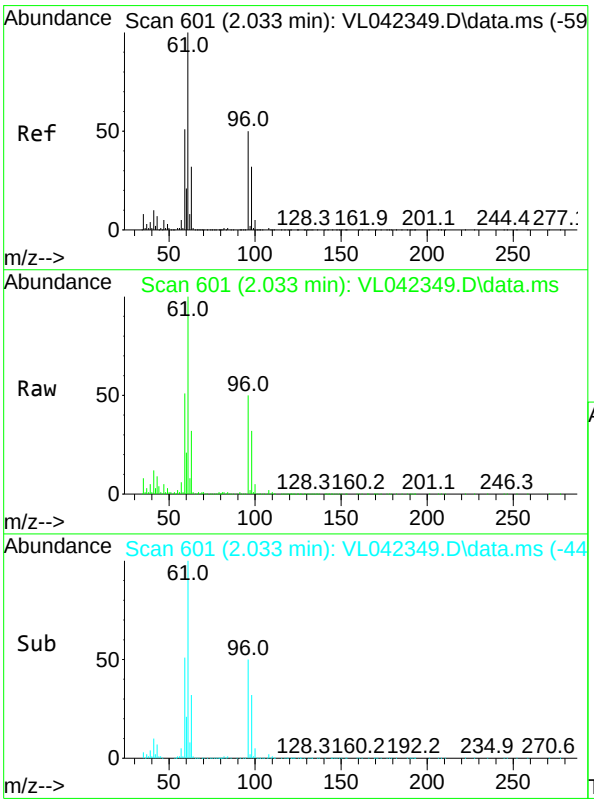
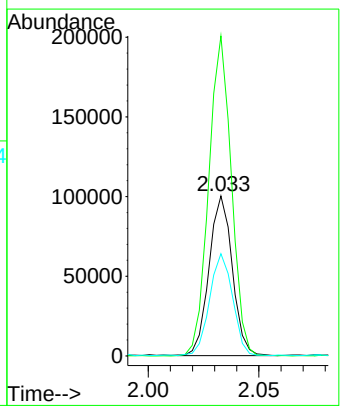
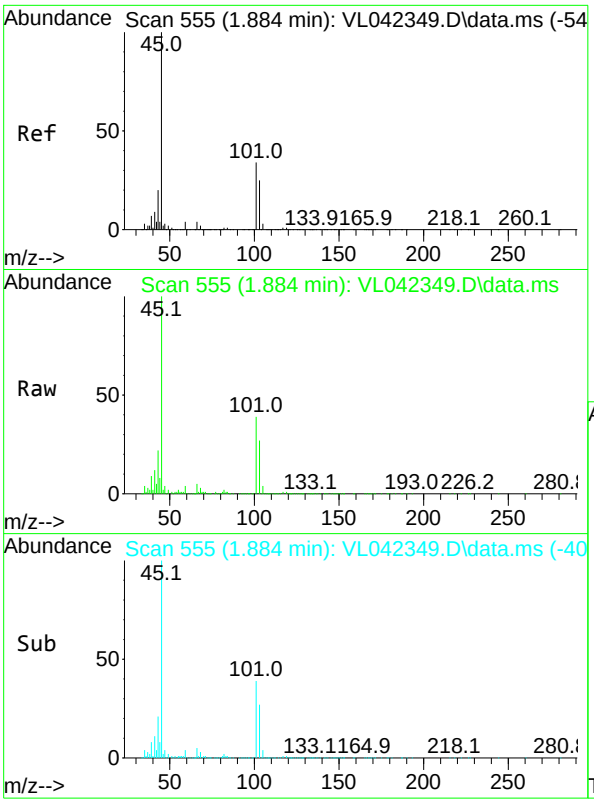


#18
1,1-Dichloroethene
Concen: 8.833 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 96 Resp: 73186

Ion	Ratio	Lower	Upper
96	100		
61	200.2	160.2	240.2
98	63.7	51.0	76.4





#19
Isopropyl Alcohol
Concen: 9.031 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 45 Resp: 10302

Ion	Ratio	Lower	Upper
45	100		
58	43.1	34.5	51.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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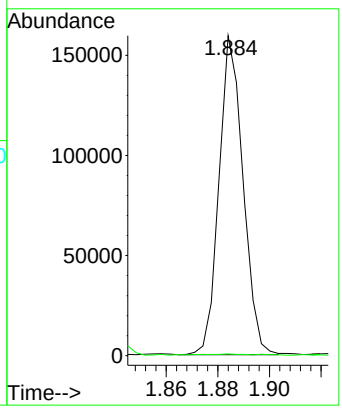
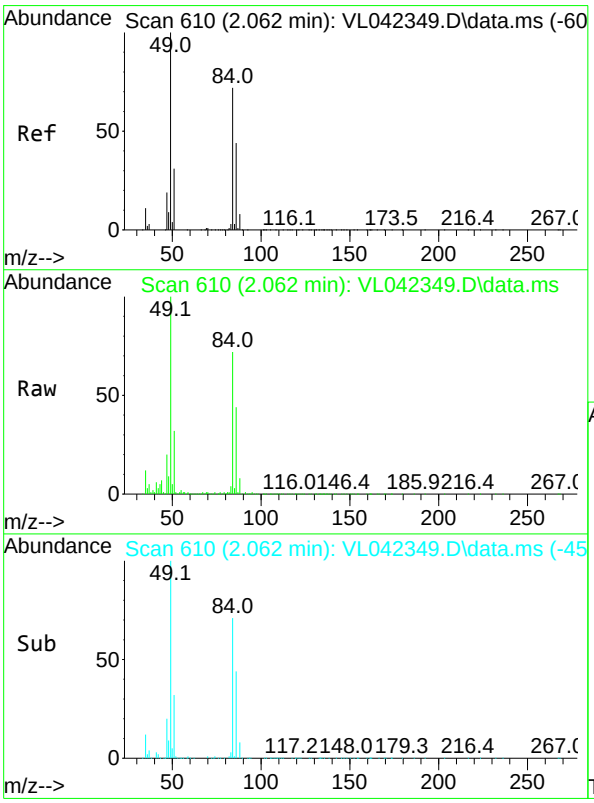
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

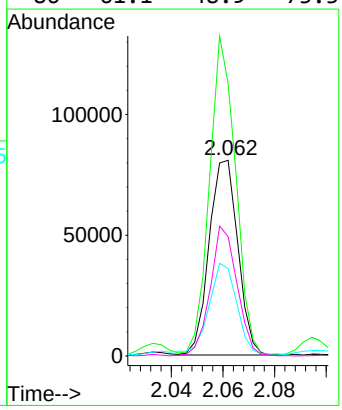


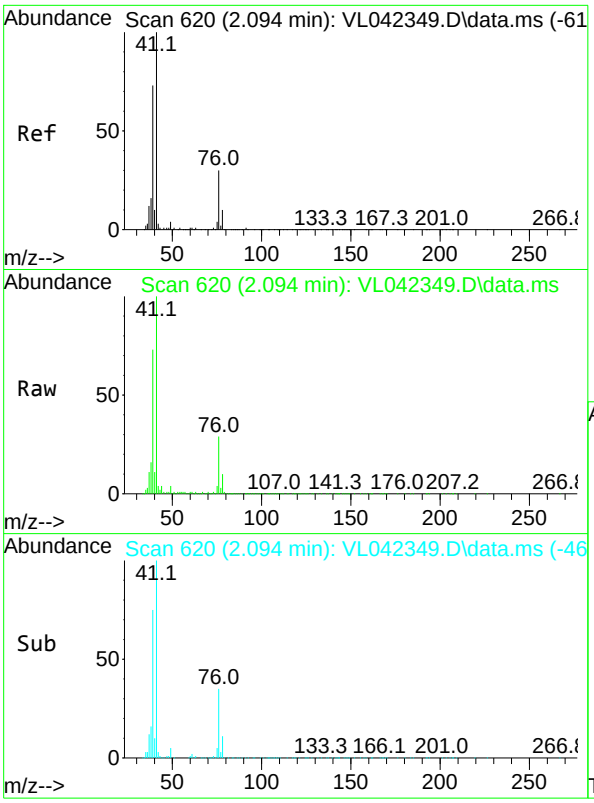


#20
Methylene Chloride
Concen: 7.760 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 84 Resp: 62414

Ion	Ratio	Lower	Upper
84	100		
49	139.5	111.6	167.4
51	43.9	35.1	52.7
86	61.1	48.9	73.3

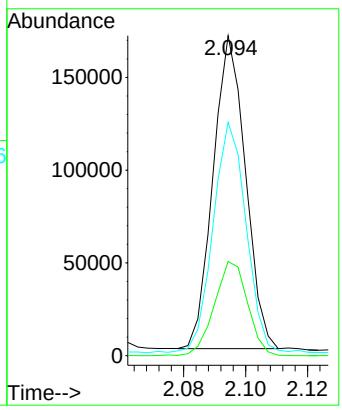




#21
Allyl Chloride
Concen: 8.611 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 41 Resp: 12211

Ion	Ratio	Lower	Upper
41	100		
76	31.0	24.8	37.2
39	75.7	60.6	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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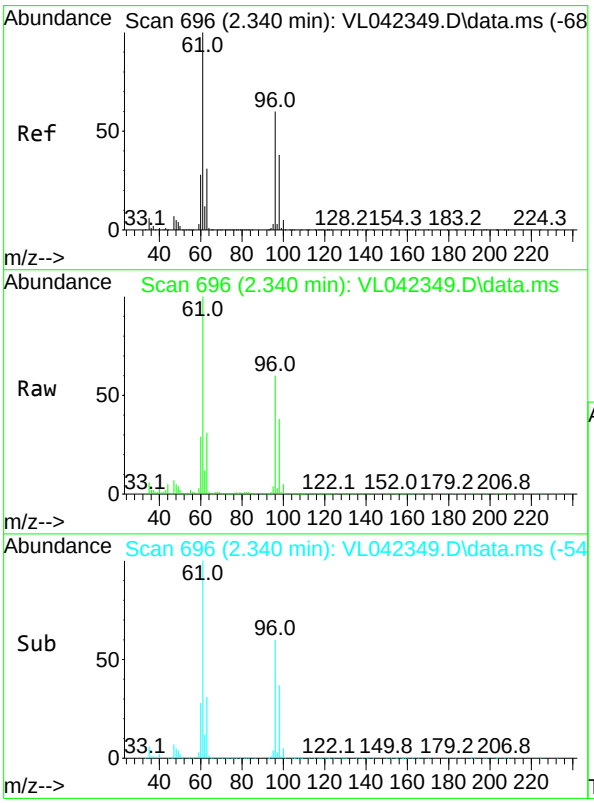
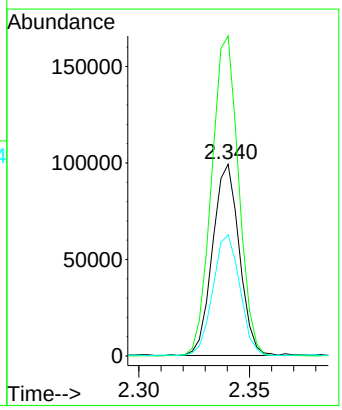
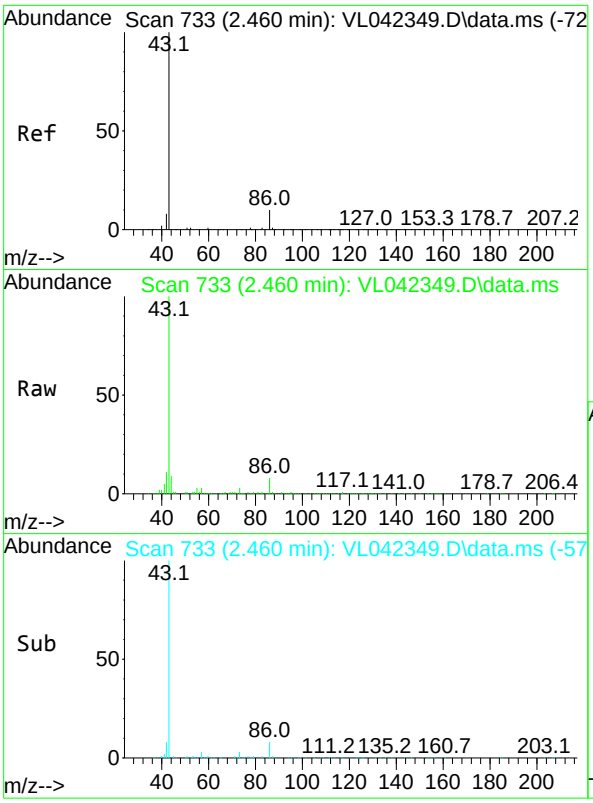


#22
trans-1,2-Dichloroethene
Concen: 9.084 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 96 Resp: 83278

Ion	Ratio	Lower	Upper
96	100		
61	167.1	133.7	200.5
98	62.9	50.3	75.5

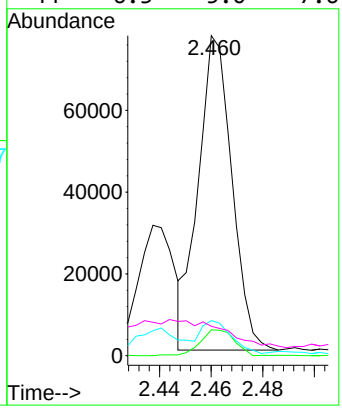




#23
Vinyl Acetate
Concen: 8.378 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 6964

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.5	9.7
42	9.8	7.8	11.8
44	6.3	5.0	7.6



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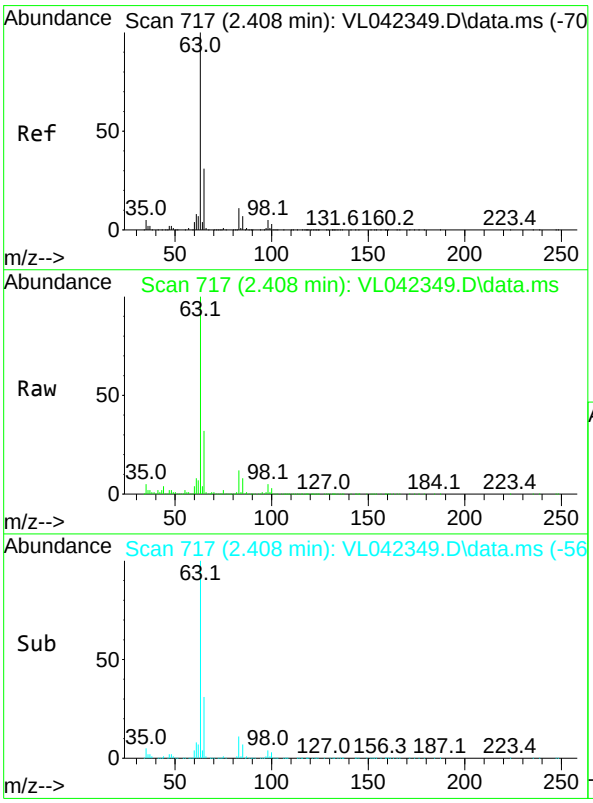
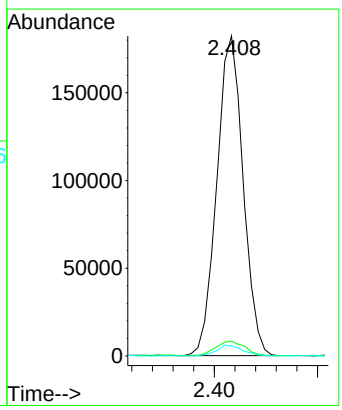
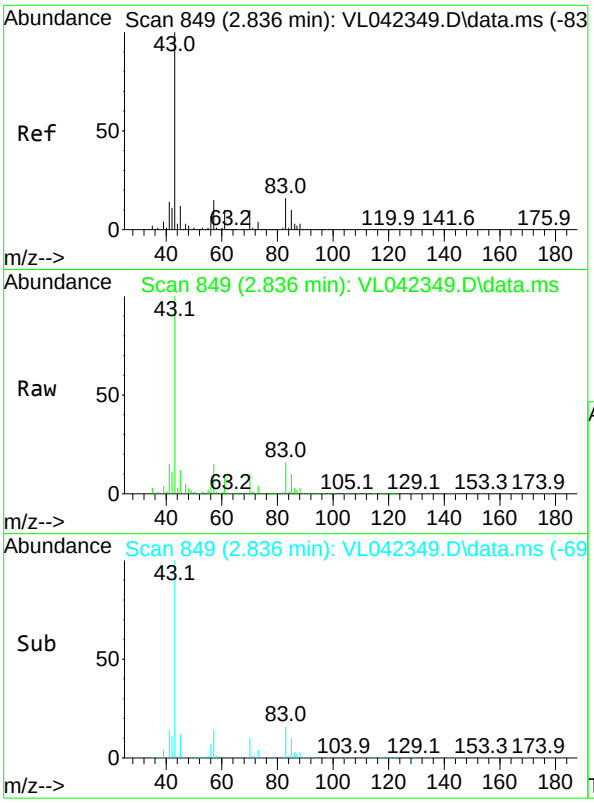


#24
1,1-Dichloroethane
Concen: 9.251 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 63 Resp: 161102

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.2	1.6	4.8

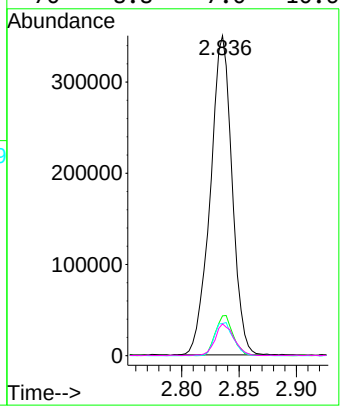




#25
Ethyl Acetate
Concen: 9.110 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 46131

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.1	7.3	10.9
70	8.8	7.0	10.6



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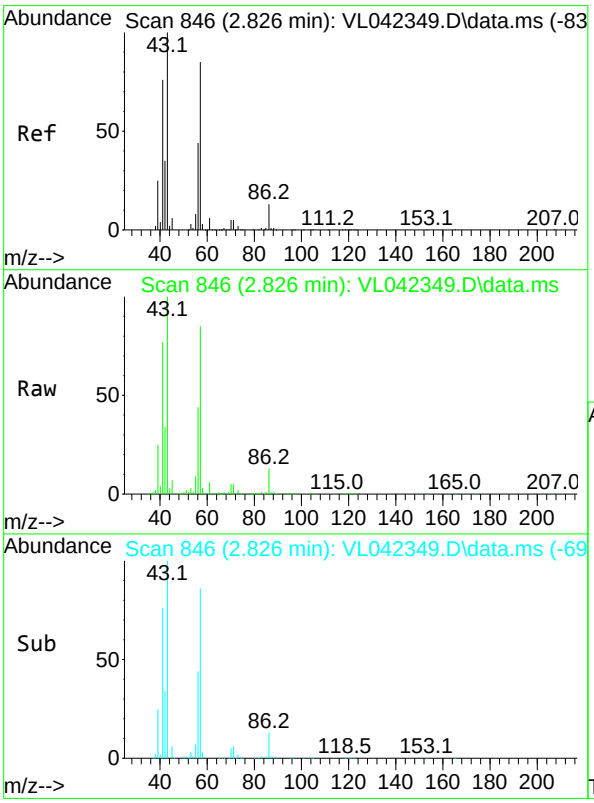
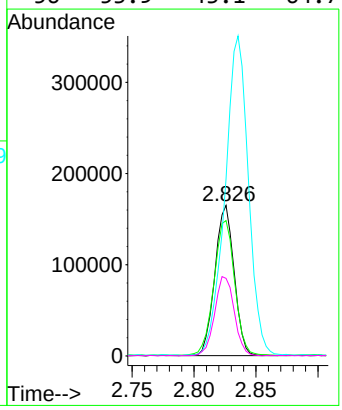
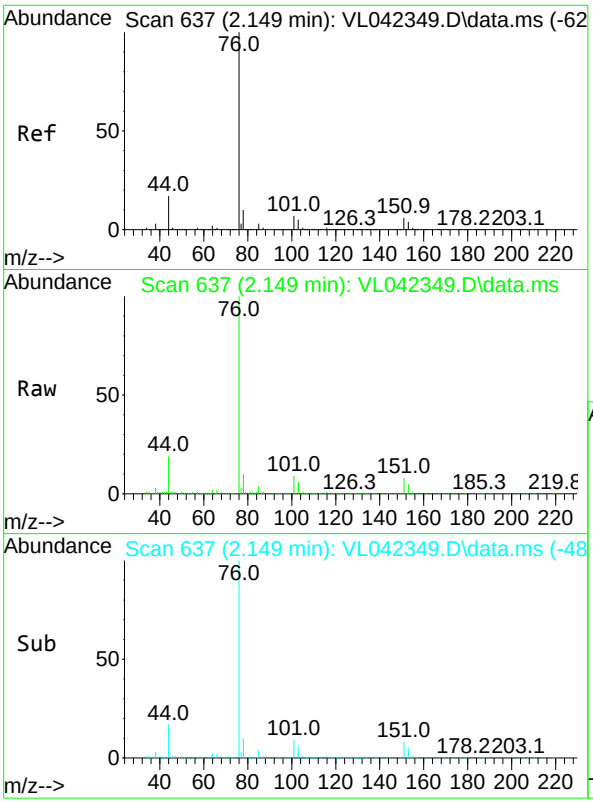


#26
Hexane
Concen: 8.720 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 57 Resp: 178691

Ion	Ratio	Lower	Upper
57	100		
41	97.4	77.9	116.9
43	260.5	208.4	312.6
56	53.9	43.1	64.7

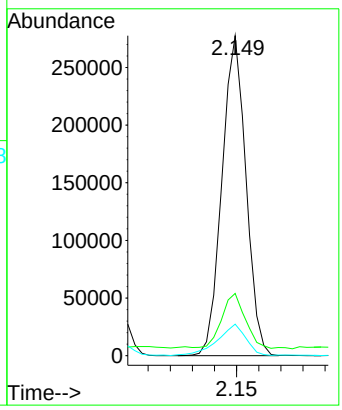




#27
Carbon Disulfide
Concen: 9.539 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 76 Resp: 20929

Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.5	23.3
78	11.6	9.3	13.9



Instrument :
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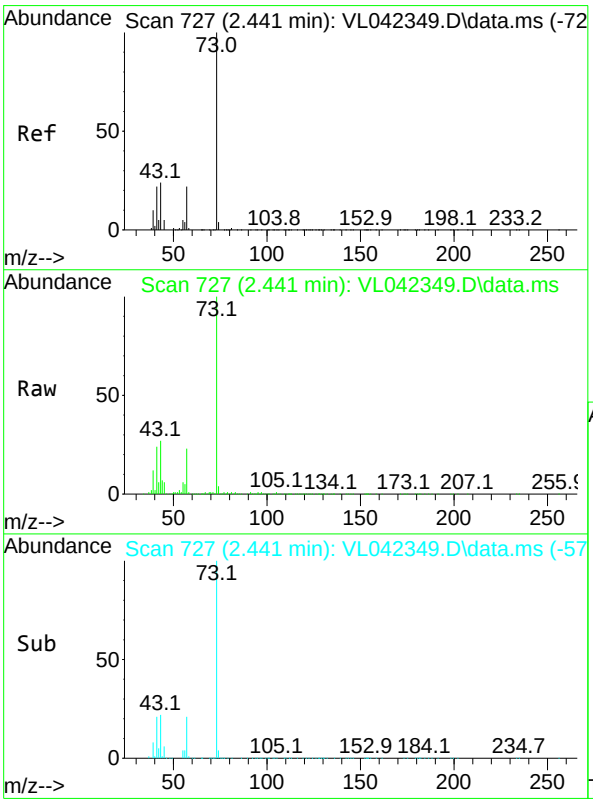
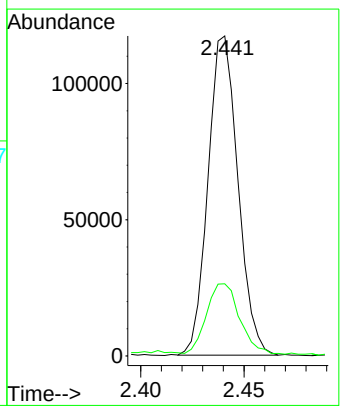
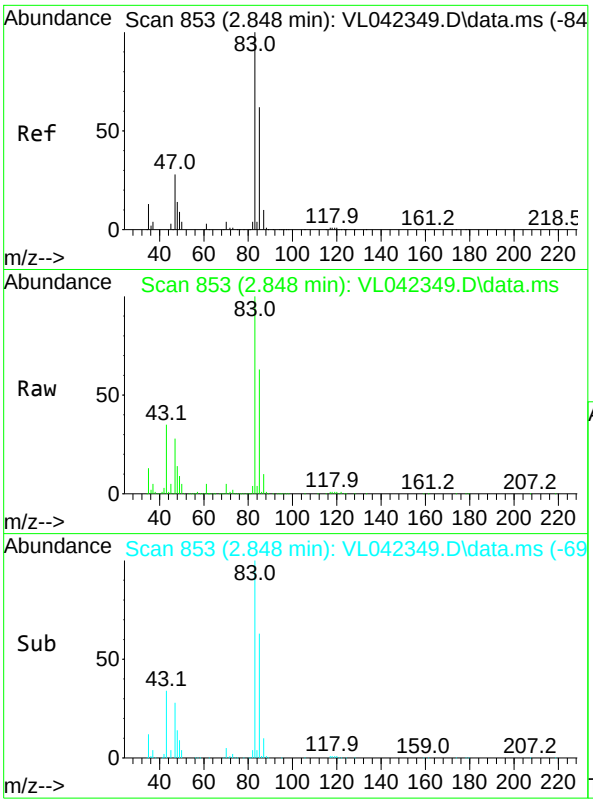


#28
Methyl tert-Butyl Ether
Concen: 8.783 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 73 Resp: 117924

Ion	Ratio	Lower	Upper
73	100		
57	26.6	21.3	31.9





#29
Chloroform
Concen: 9.290 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 83 Resp: 26908

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0

Instrument :
MSVOA_L
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VSTDICCC010

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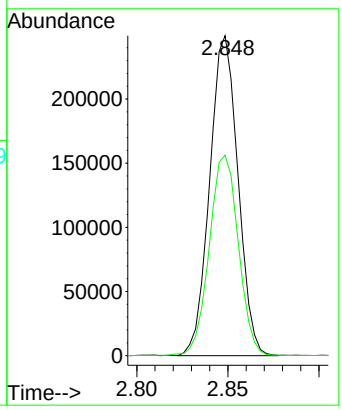
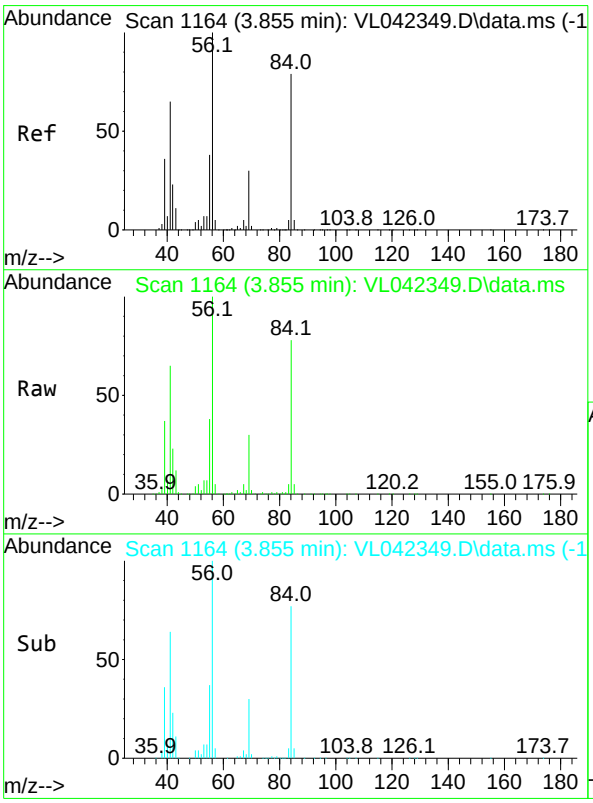
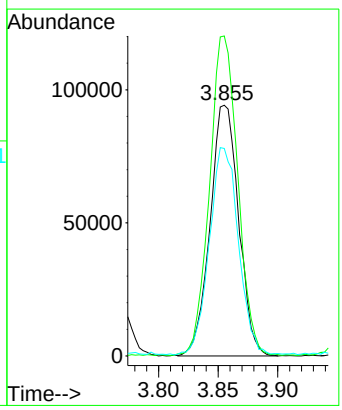


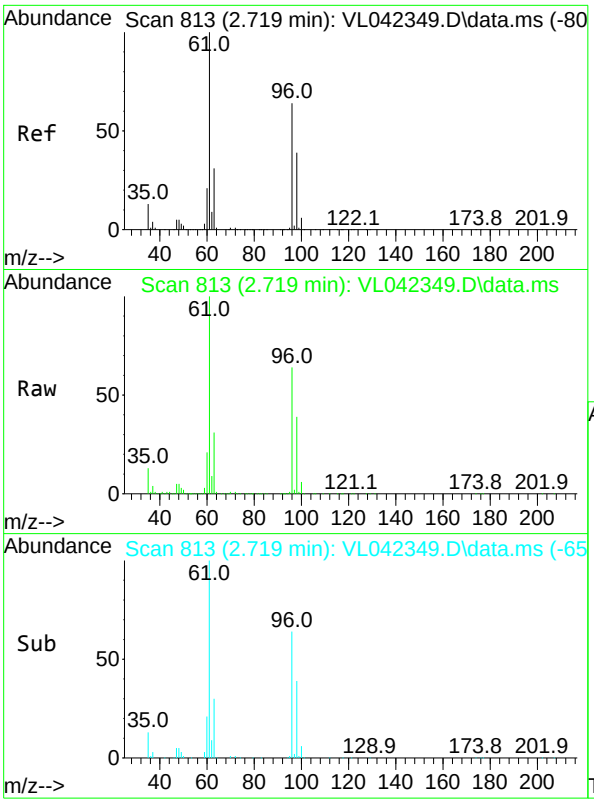


#30
Cyclohexane
Concen: 9.517 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 84 Resp: 157035

Ion	Ratio	Lower	Upper
84	100		
56	126.2	101.0	151.4
41	84.2	67.4	101.0

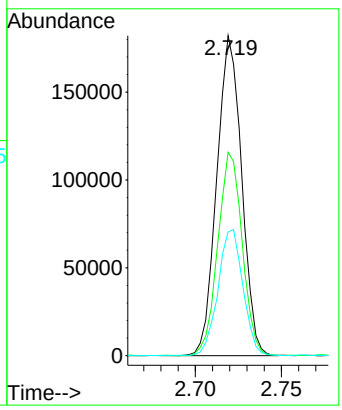




#31
cis-1,2-Dichloroethene
Concen: 9.397 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 61 Resp: 18308

Ion	Ratio	Lower	Upper
61	100		
96	63.5	50.8	76.2
98	38.6	30.9	46.3



Instrument :
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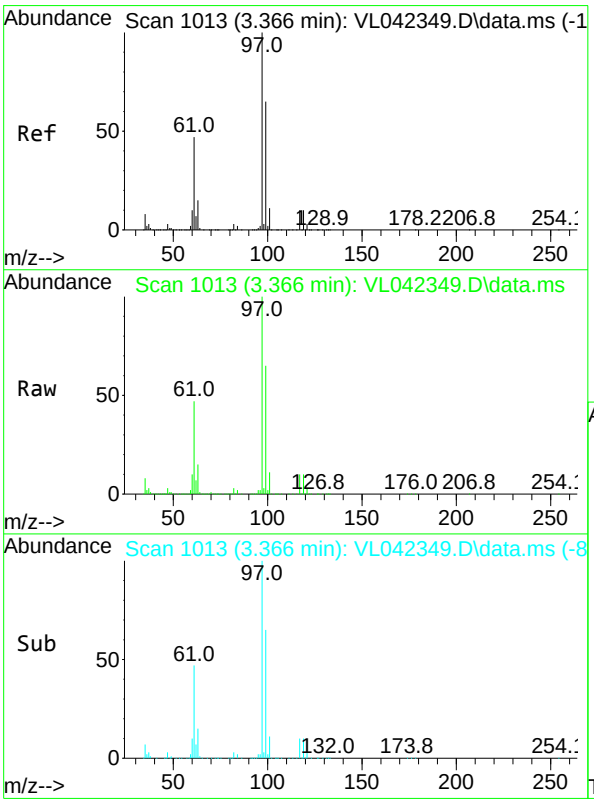
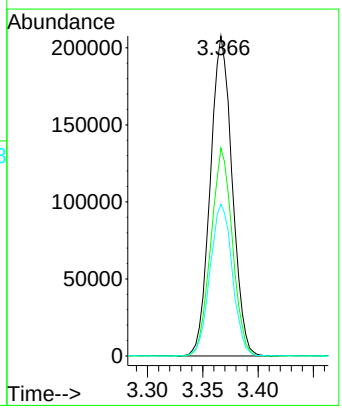
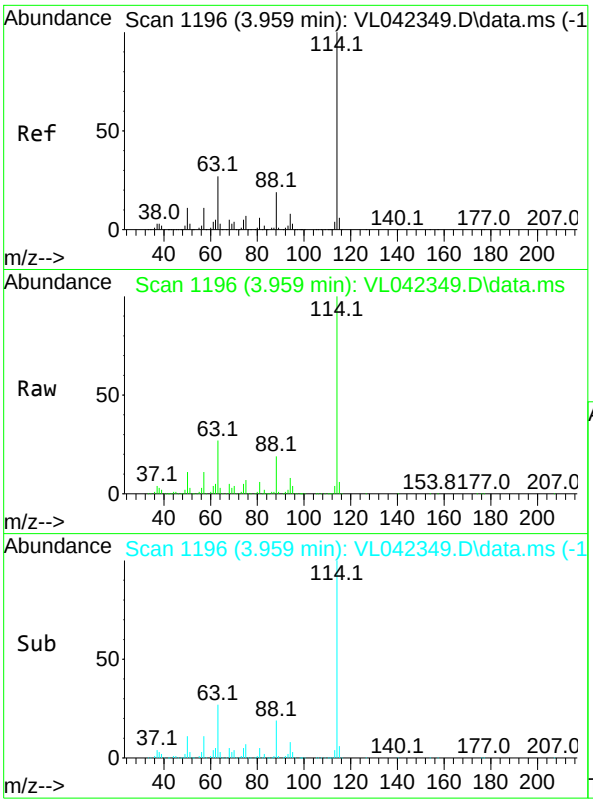


#32
1,1,1-Trichloroethane
Concen: 9.187 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 97 Resp: 285336

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.5	38.8	58.2

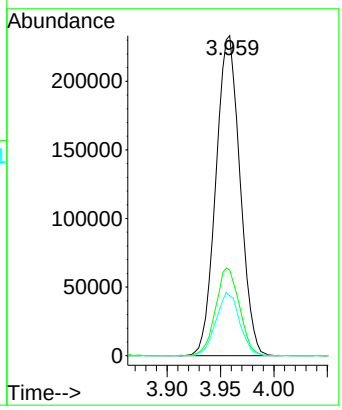




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:114 Resp: 36654

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	19.4	15.5	23.3



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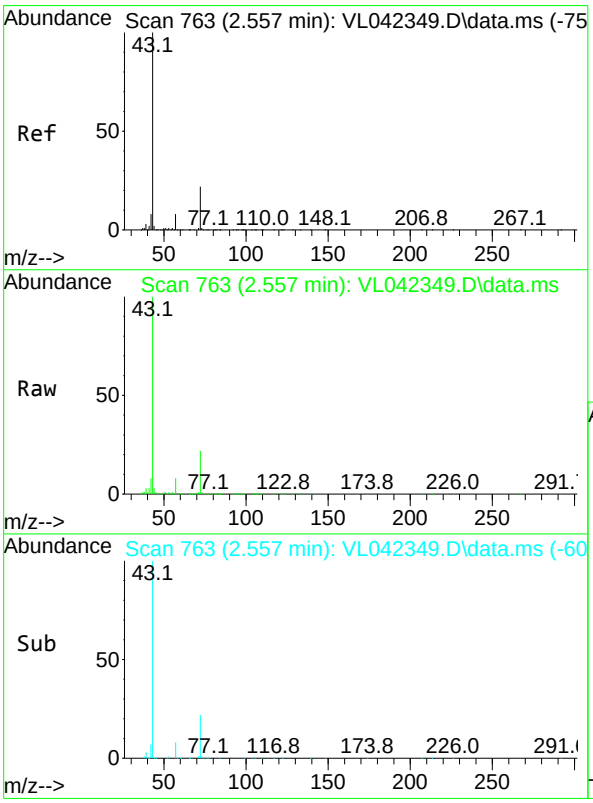
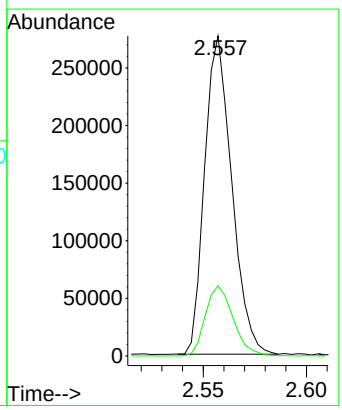
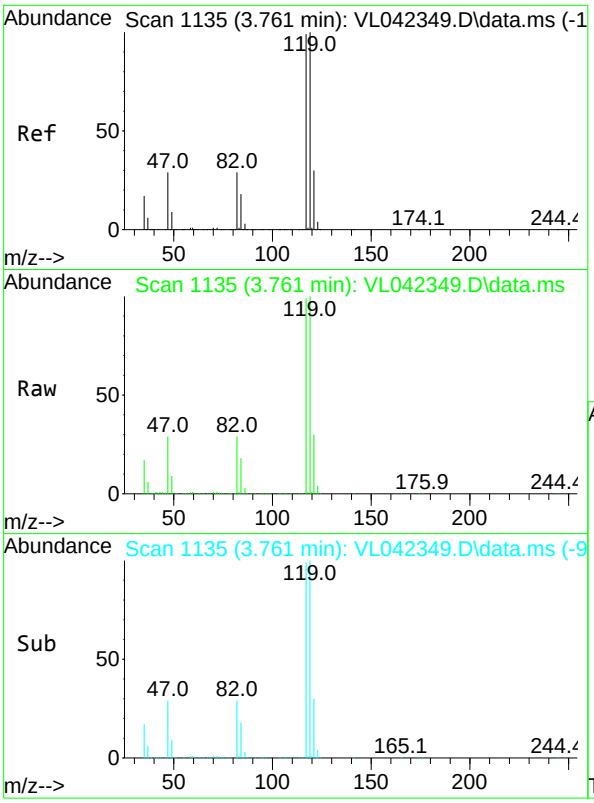


#34
2-Butanone
Concen: 8.683 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 251704

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2

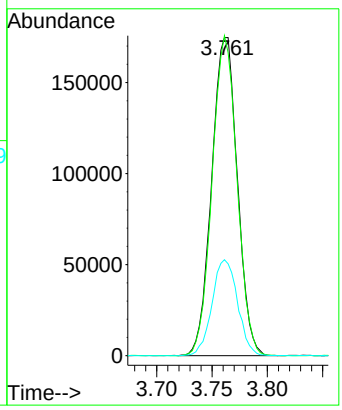




#35
Carbon Tetrachloride
Concen: 8.513 ppbv
RT: 3.761 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:117 Resp: 28240

Ion	Ratio	Lower	Upper
117	100		
119	100.6	80.5	120.7
121	30.2	24.2	36.2



Instrument :
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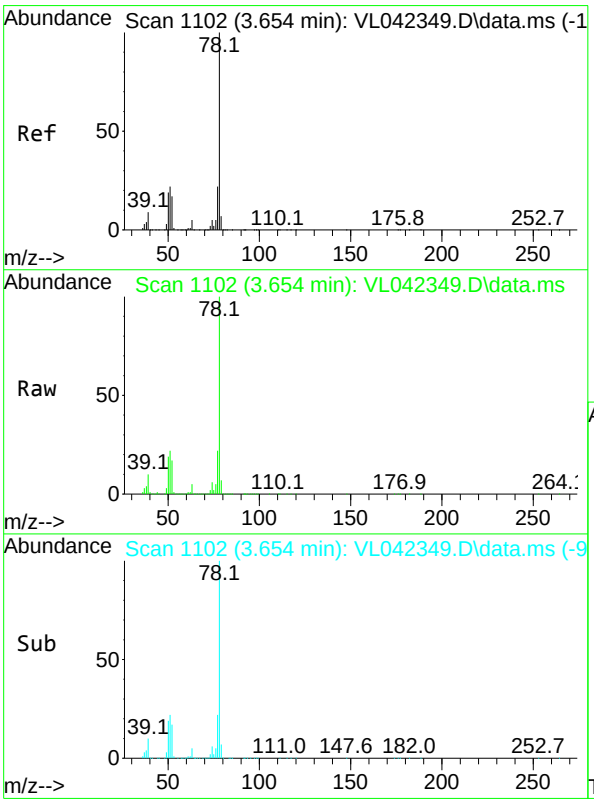
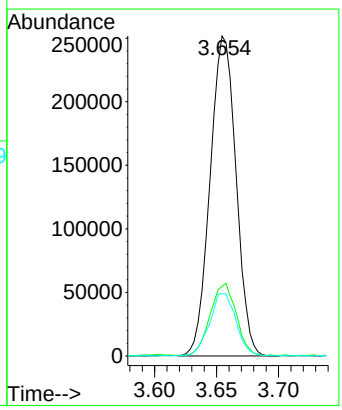
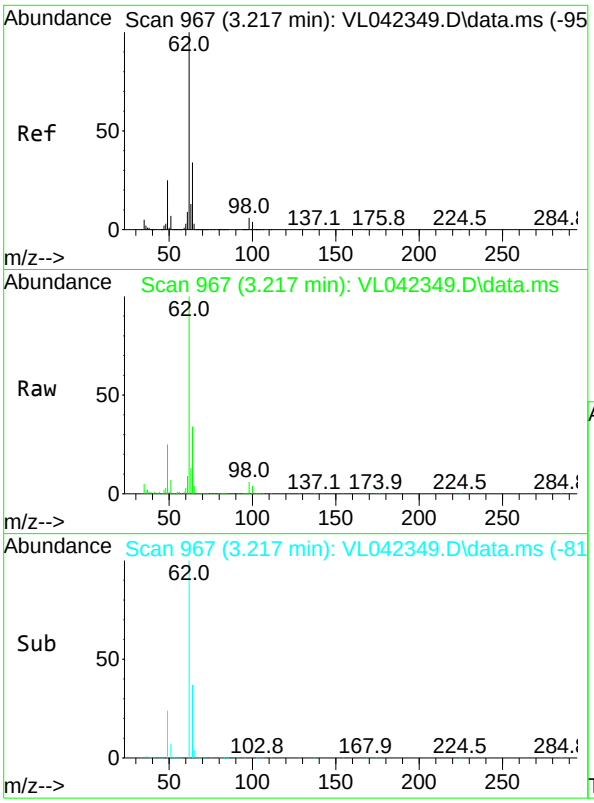


#36
Benzene
Concen: 9.292 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 78 Resp: 367355

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	19.4	15.5	23.3

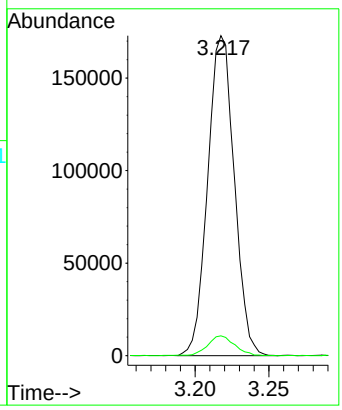




#37
1,2-Dichloroethane
Concen: 9.145 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 62 Resp: 21699

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.1	7.7



Instrument :
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ClientSampleId :
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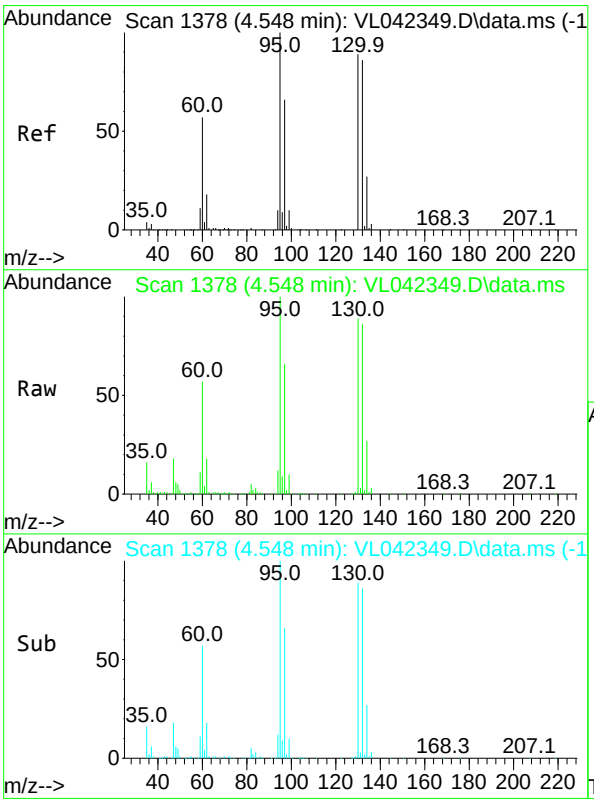
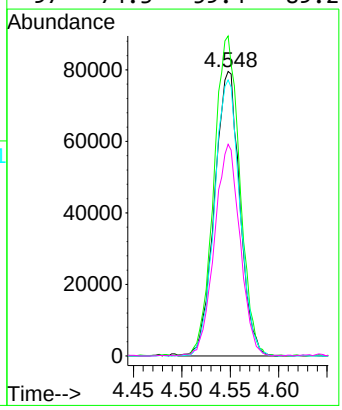
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

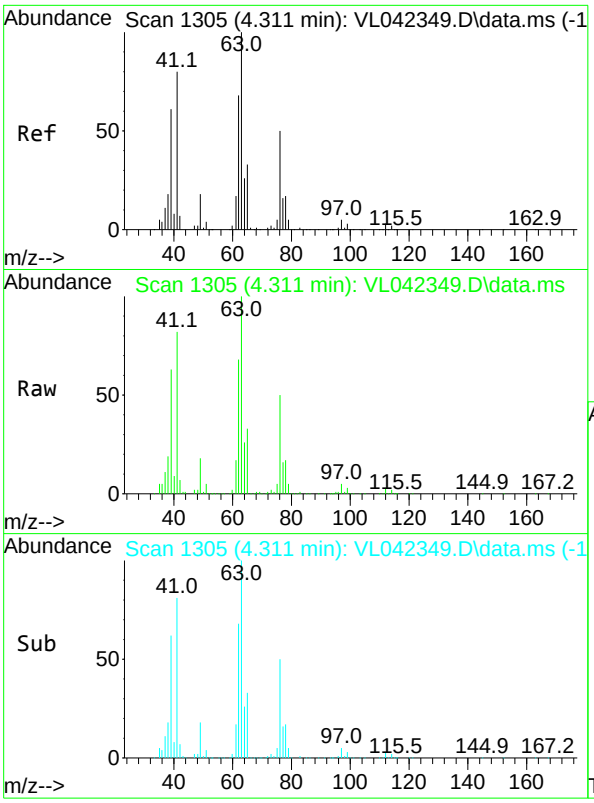


#38
Trichloroethene
Concen: 8.352 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:130 Resp: 144767

Ion	Ratio	Lower	Upper
130	100		
95	112.2	89.8	134.6
132	97.1	77.7	116.5
97	74.3	59.4	89.2

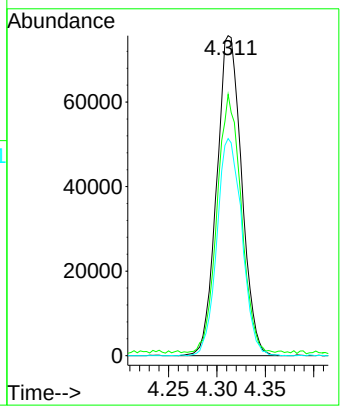




#39
1,2-Dichloropropane
Concen: 9.197 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 63 Resp: 13560

Ion	Ratio	Lower	Upper
63	100		
41	80.2	64.2	96.2
62	67.9	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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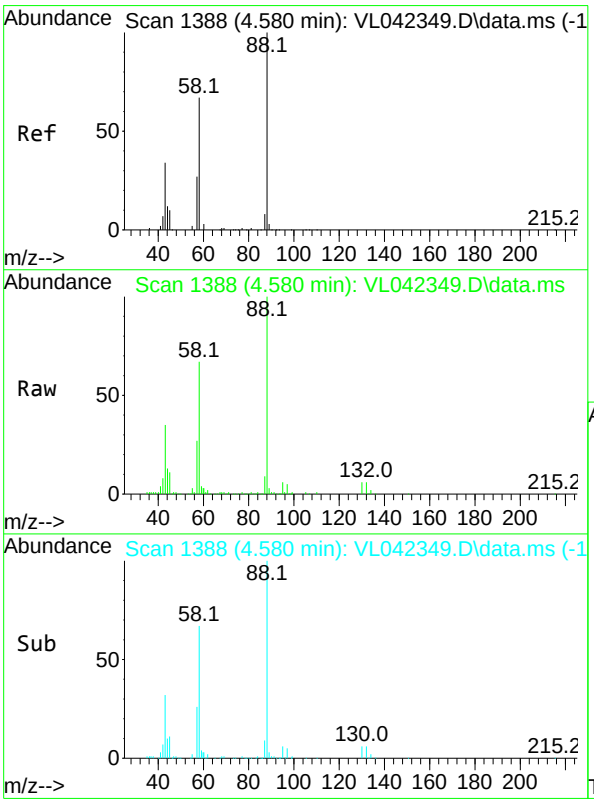
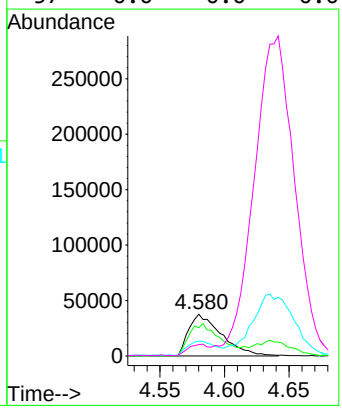
Supervised By :Mahesh Dadoda 04/18/2025

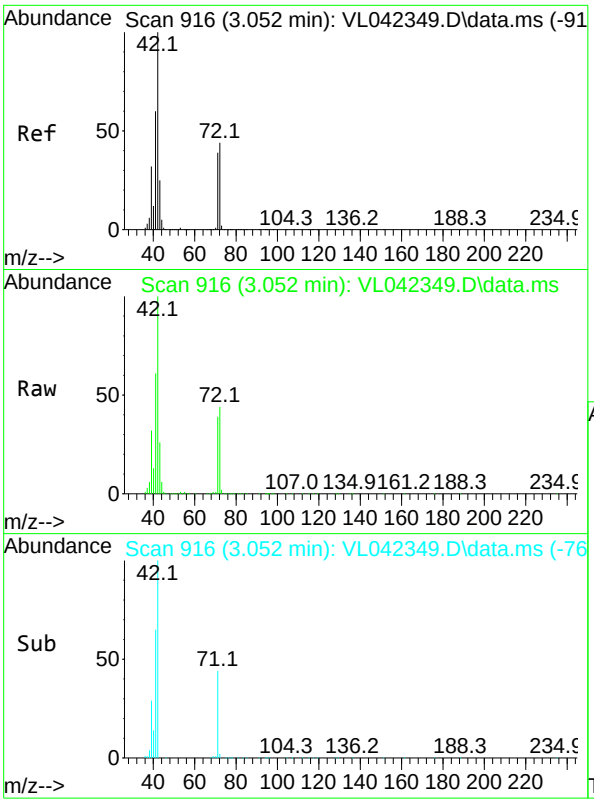


#40
1,4-Dioxane
Concen: 8.348 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 88 Resp: 66662

Ion	Ratio	Lower	Upper
88	100		
58	76.7	61.4	92.0
43	29.0	23.2	34.8
57	0.0	0.0	0.0

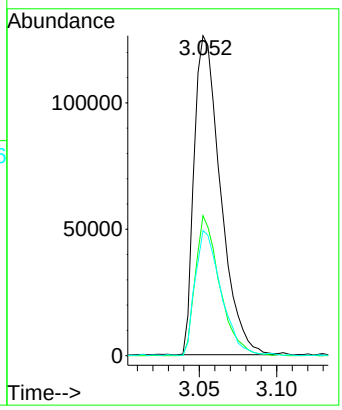




#41
Tetrahydrofuran
Concen: 8.950 ppbv
RT: 3.052 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 42 Resp: 14990

Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	39.3	31.4	47.2



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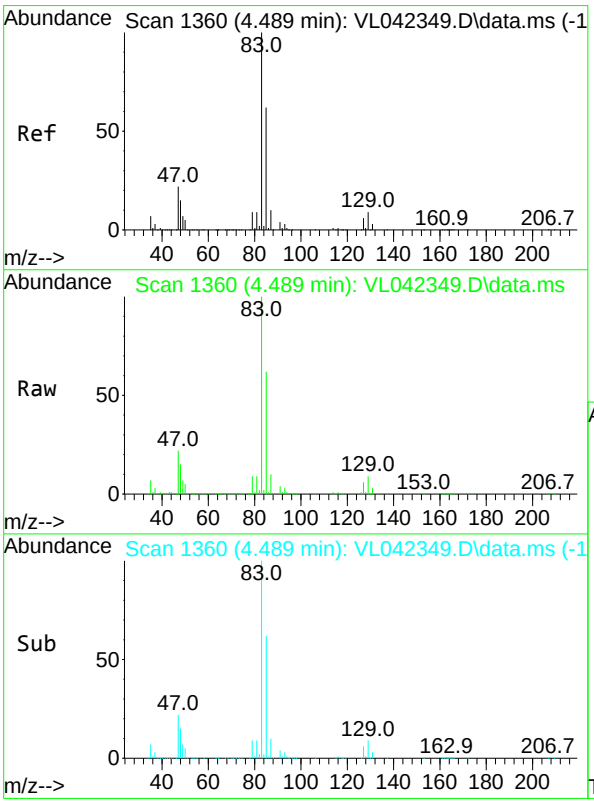
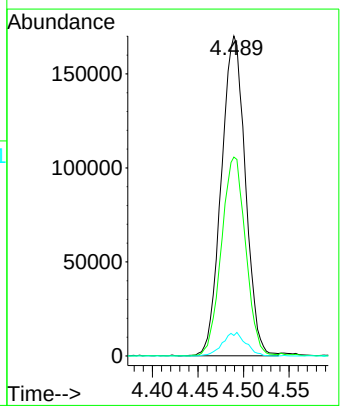
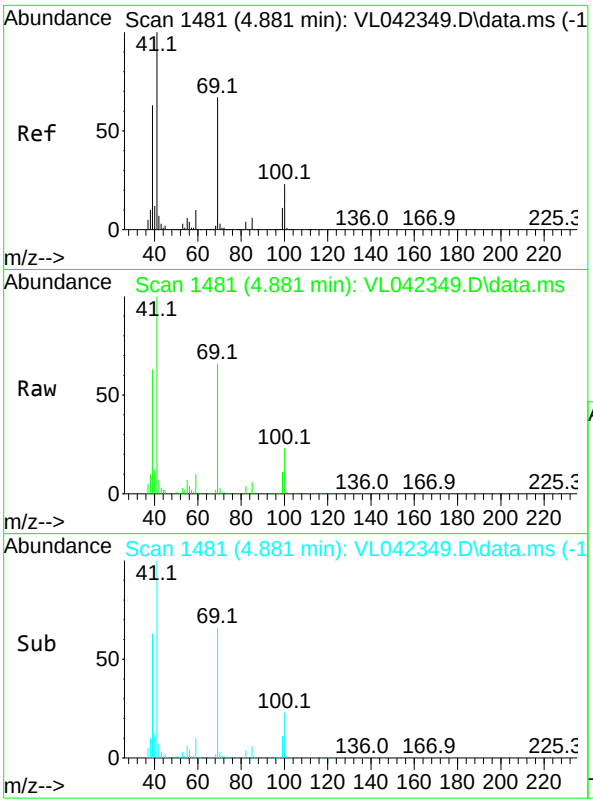


#42
Bromodichloromethane
Concen: 9.456 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 83 Resp: 312268

Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	6.4	5.1	7.7

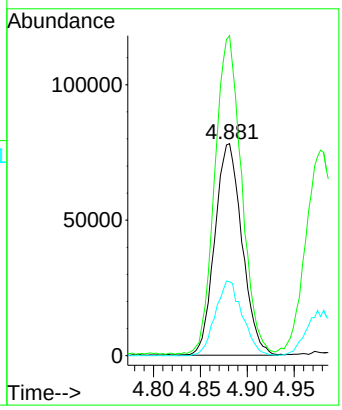




#43
Methyl Methacrylate
Concen: 8.876 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 69 Resp: 15750

Ion	Ratio	Lower	Upper
69	100		
41	148.2	118.6	177.8
100	35.2	28.2	42.2



Instrument :
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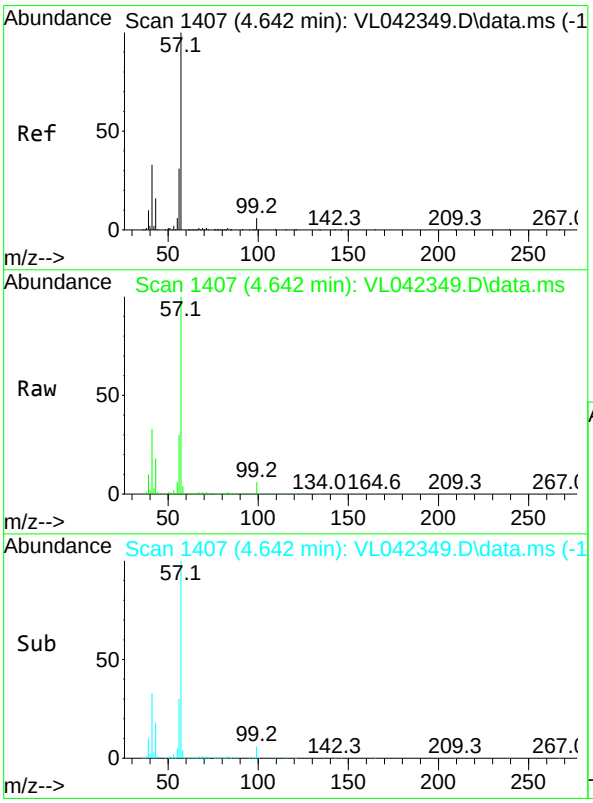
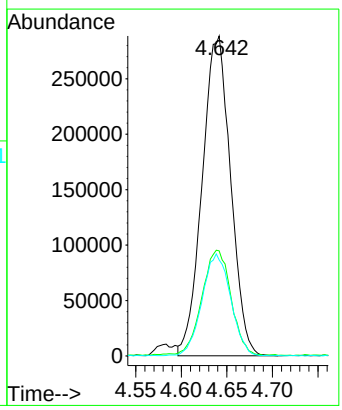
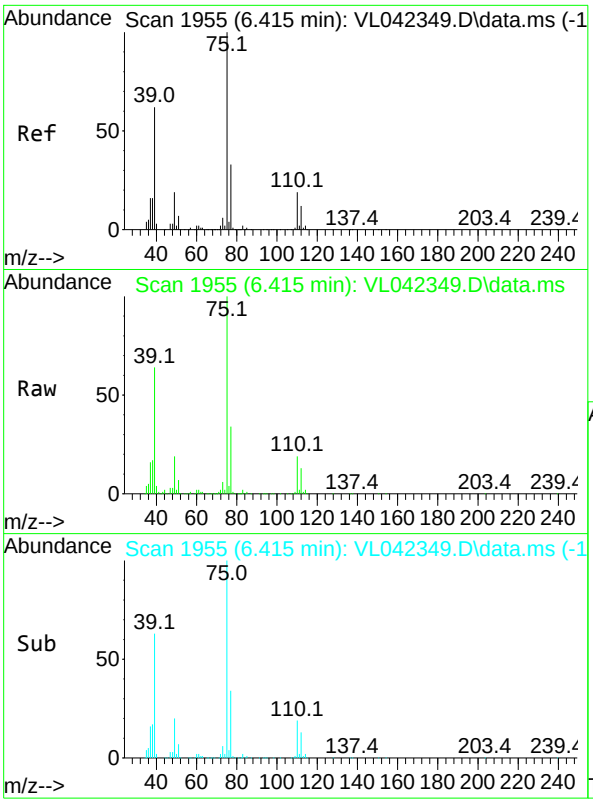


#44
2,2,4-Trimethylpentane
Concen: 9.157 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 57 Resp: 626085

Ion	Ratio	Lower	Upper
57	100		
41	34.0	27.2	40.8
56	32.1	25.7	38.5

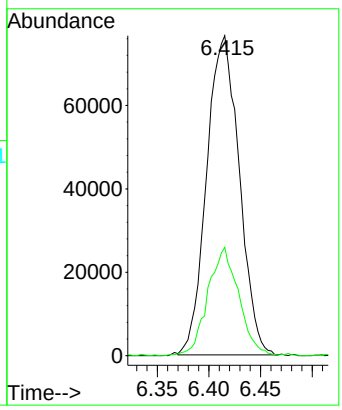




#45
t-1,3-Dichloropropene
Concen: 9.233 ppbv
RT: 6.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 75 Resp: 16822

Ion	Ratio	Lower	Upper
75	100		
77	33.8	27.0	40.6



Instrument :
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ClientSampleId :
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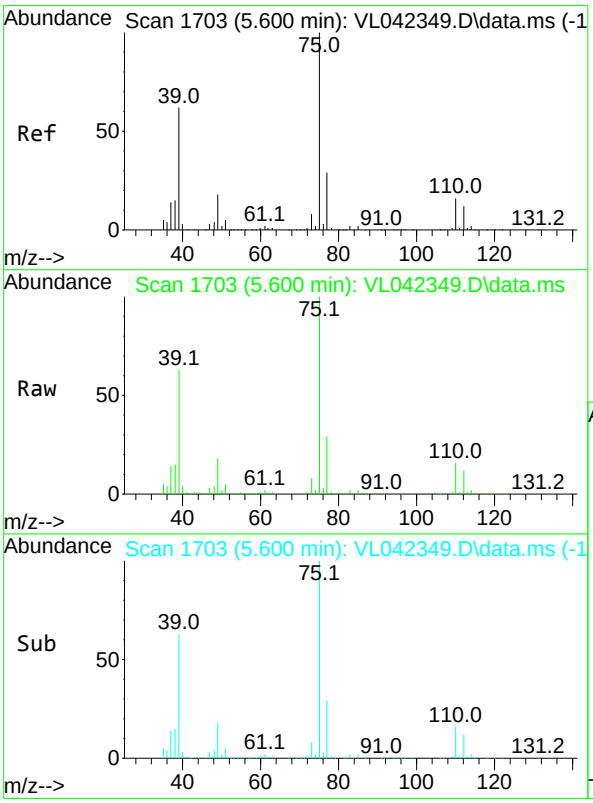
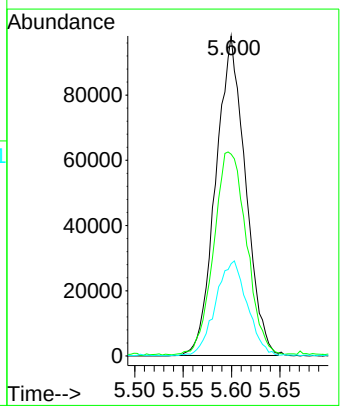
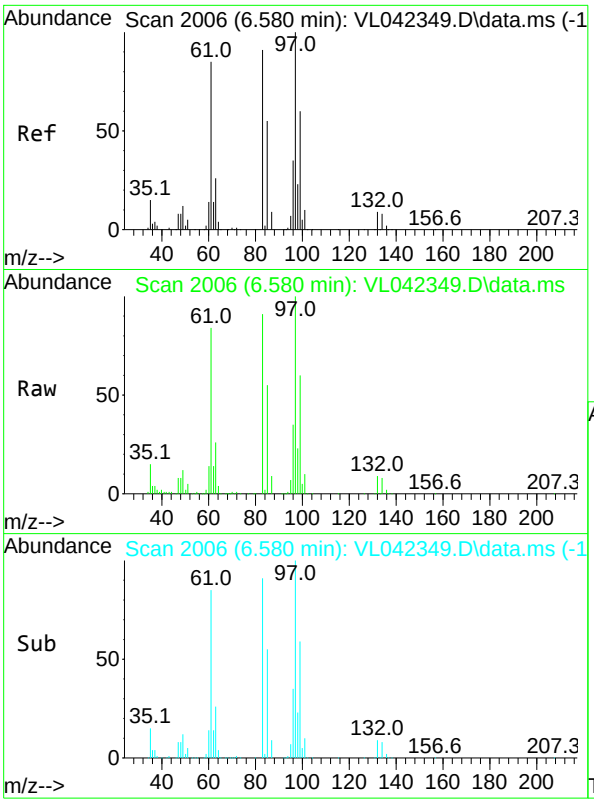


#46
cis-1,3-Dichloropropene
Concen: 9.377 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 75 Resp: 208811

Ion	Ratio	Lower	Upper
75	100		
39	62.5	50.0	75.0
77	28.8	23.0	34.6

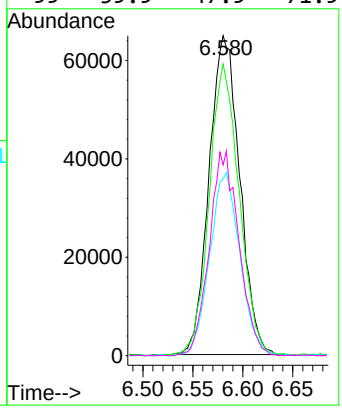




#47
1,1,2-Trichloroethane
Concen: 9.181 ppbv
RT: 6.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 97 Resp: 13789

Ion	Ratio	Lower	Upper
97	100		
83	91.0	72.8	109.2
85	55.3	44.2	66.4
99	59.9	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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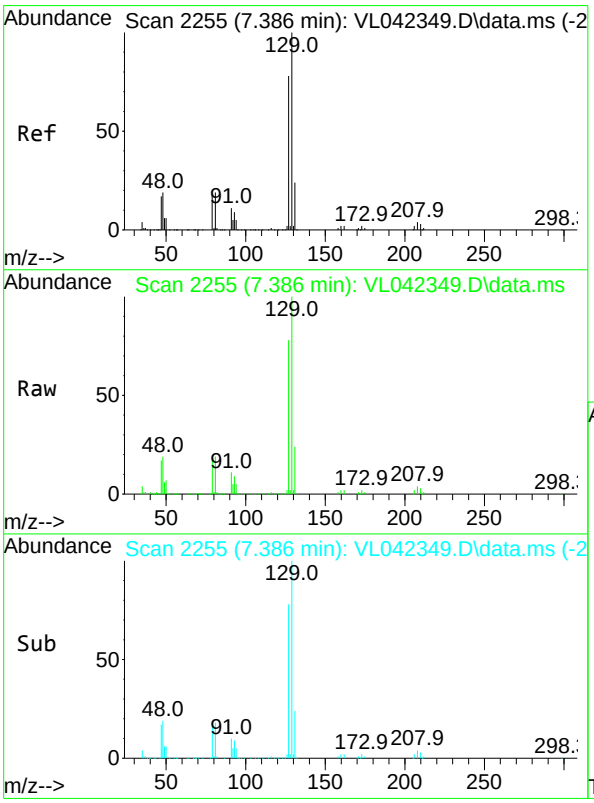
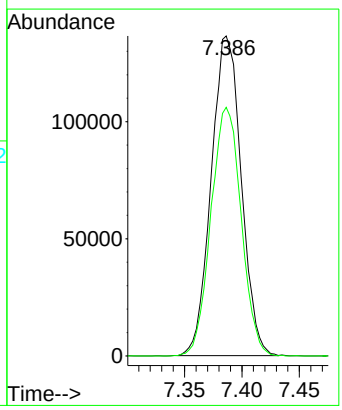
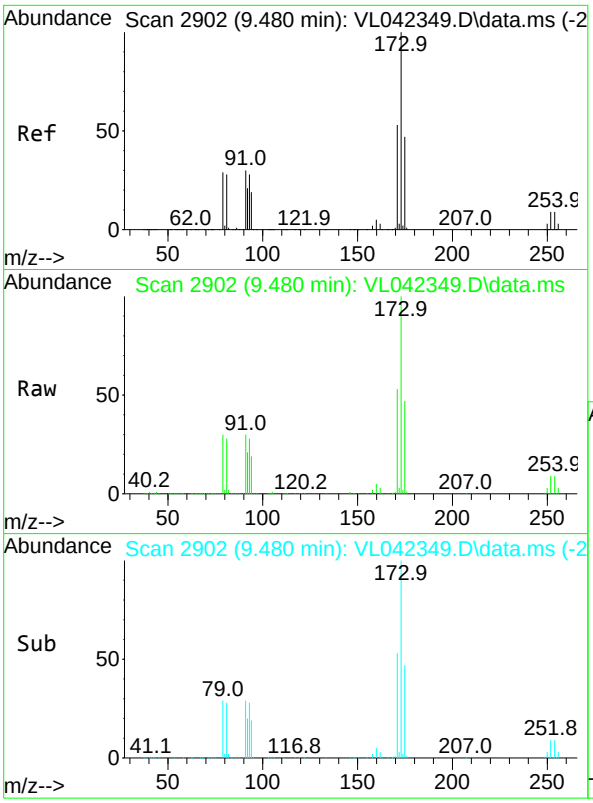


#48
Dibromochloromethane
Concen: 9.388 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:129 Resp: 248954

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3

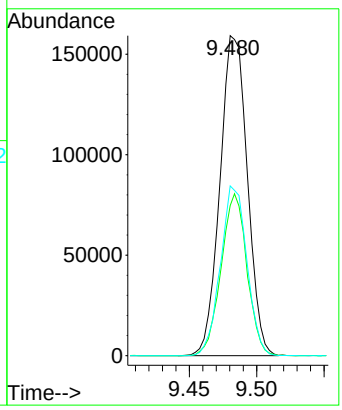




#49
Bromoform
Concen: 9.734 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:173 Resp: 22570

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.2	57.2
171	51.1	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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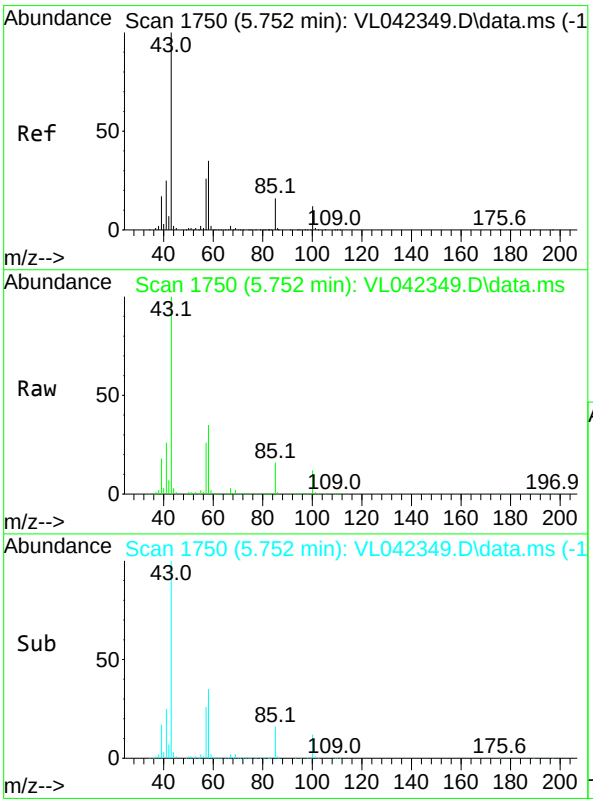
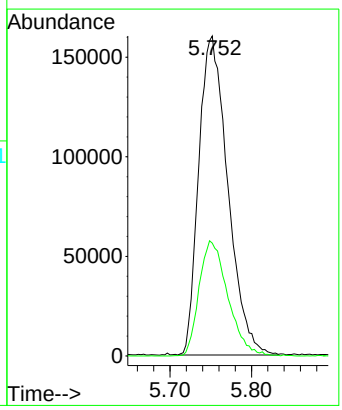
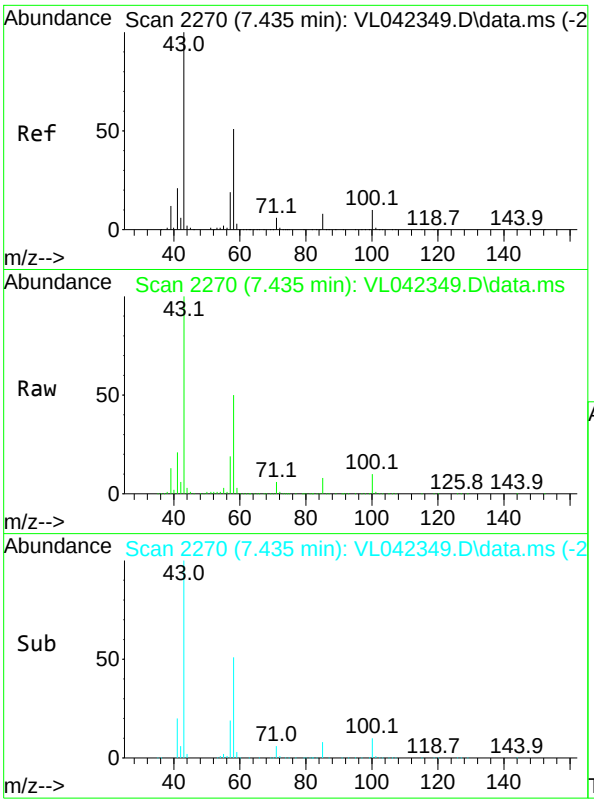


#50
4-Methyl-2-Pentanone
Concen: 8.215 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 396548

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0

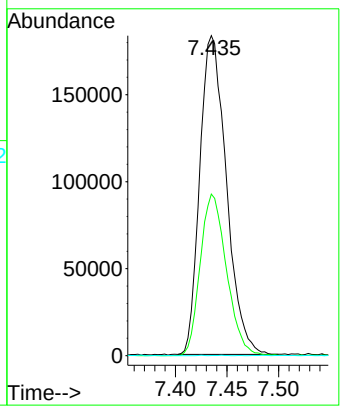




#51
2-Hexanone
Concen: 7.511 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 32716

Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.2	60.4
98	0.1	0.1	0.1



Instrument :
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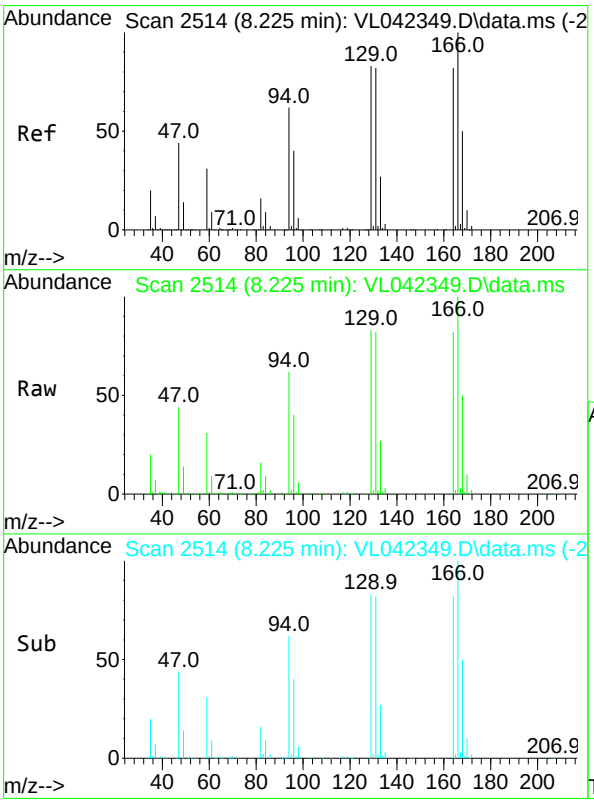
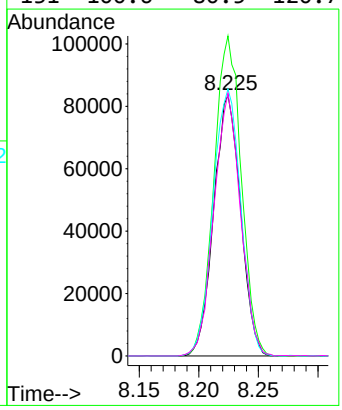
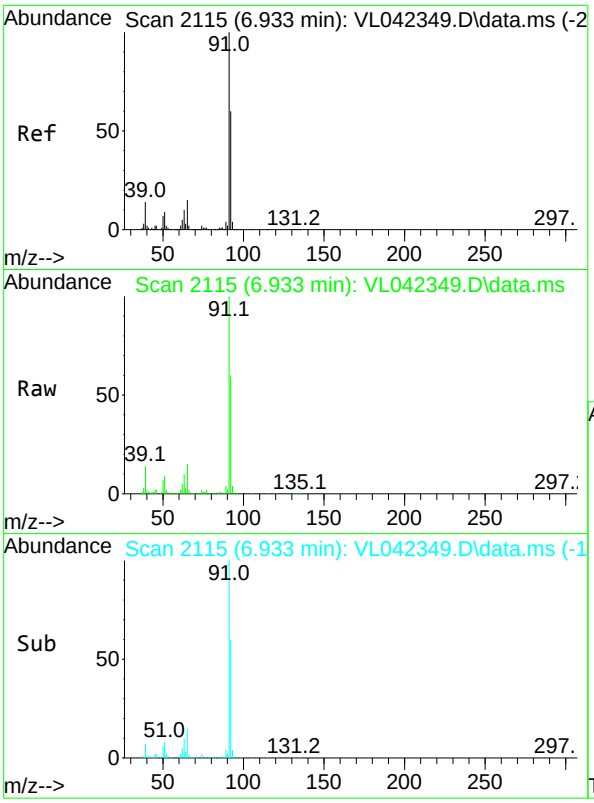


#52
Tetrachloroethene
Concen: 8.553 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:164 Resp: 130720

Ion	Ratio	Lower	Upper
164	100		
166	122.7	98.2	147.2
129	102.3	81.8	122.8
131	100.6	80.5	120.7

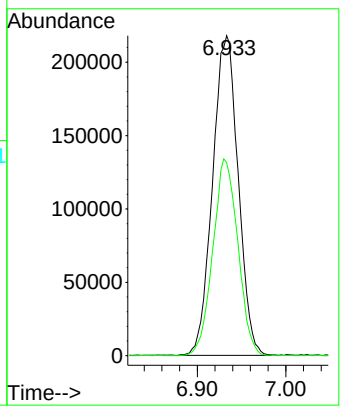




#53
Toluene
Concen: 9.216 ppbv
RT: 6.933 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 43725

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
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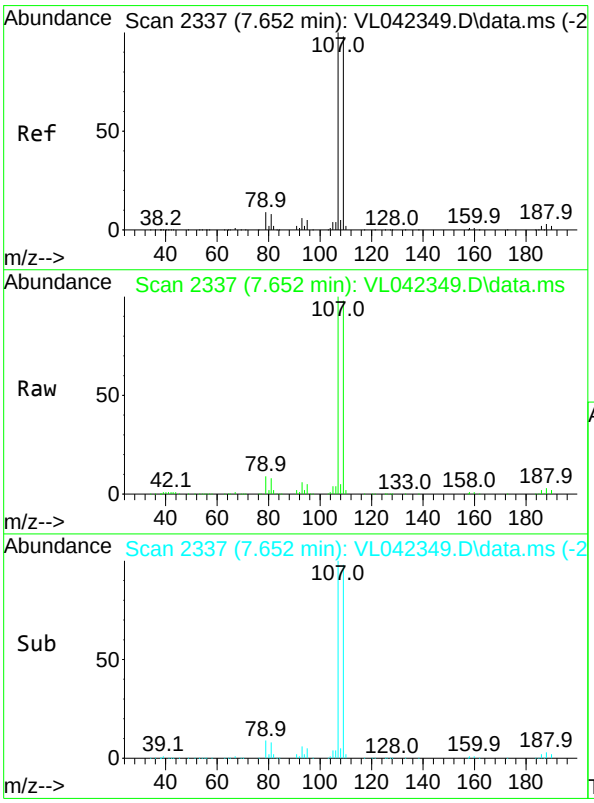
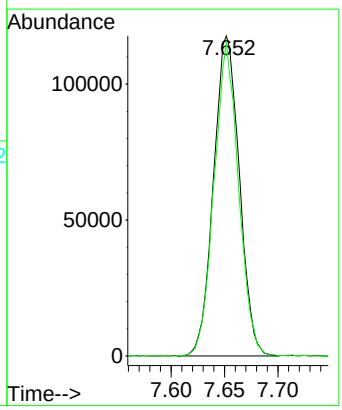
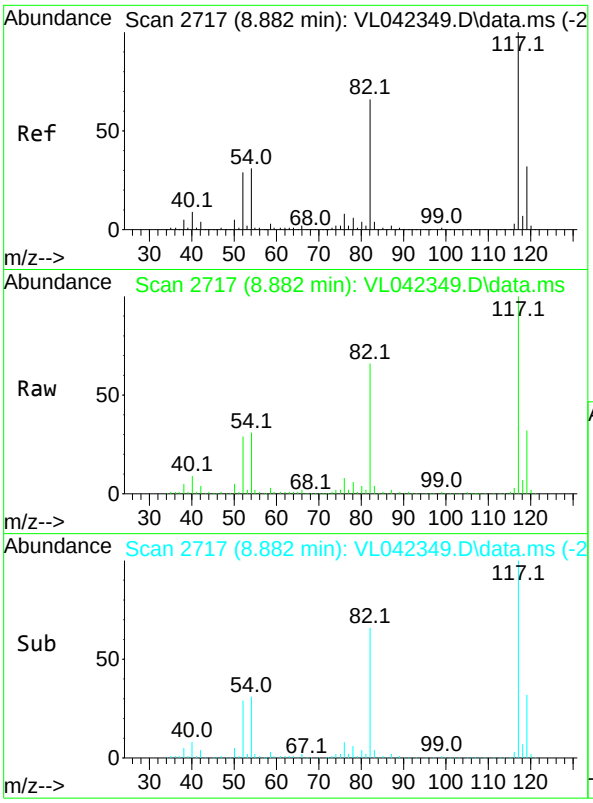


#54
1,2-Dibromoethane
Concen: 9.235 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:107 Resp: 197665

Ion	Ratio	Lower	Upper
107	100		
109	97.8	78.2	117.4

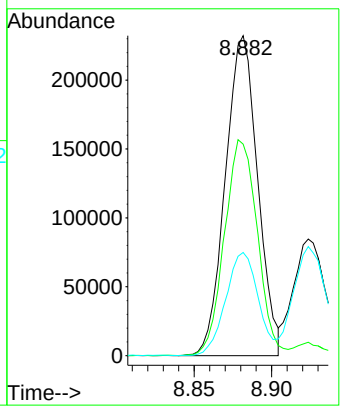




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:117 Resp: 33812

Ion	Ratio	Lower	Upper
117	100		
82	72.2	57.8	86.6
119	31.5	25.2	37.8



Instrument :
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ClientSampleId :
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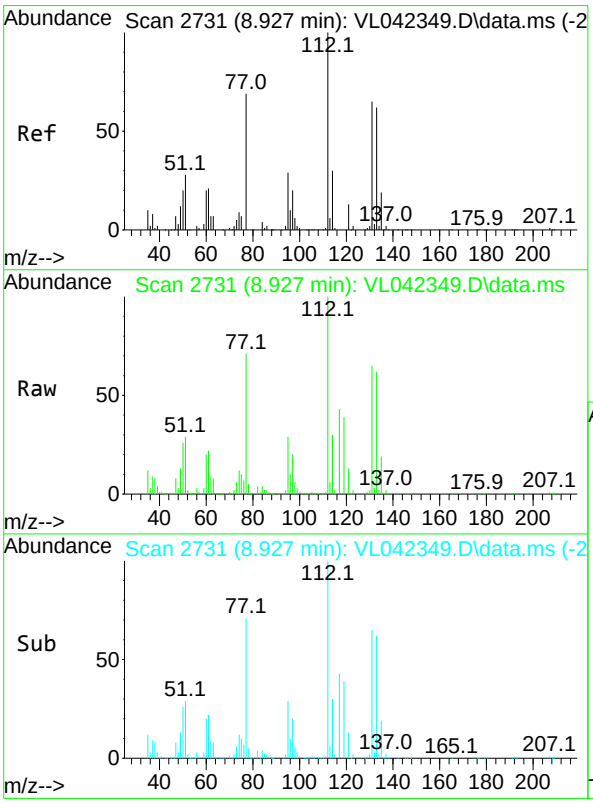
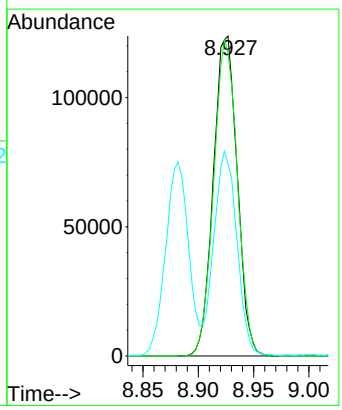
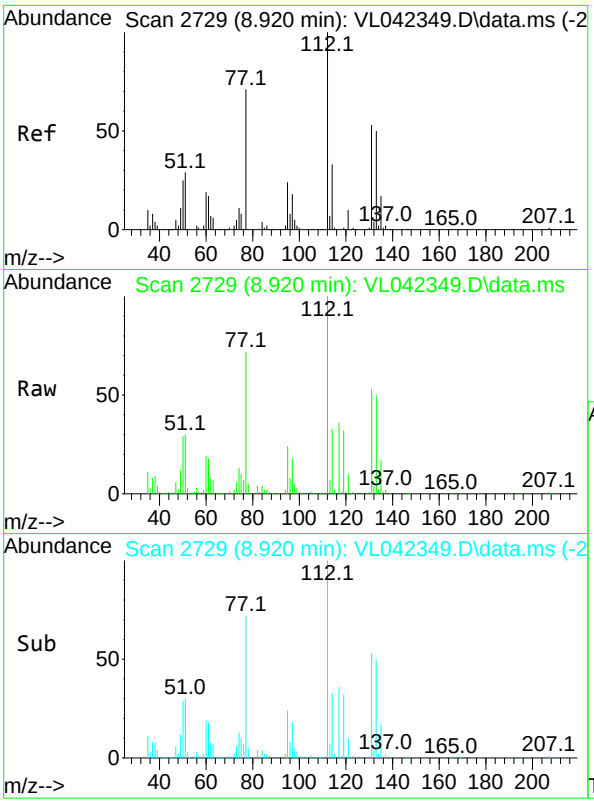


#56
1,1,1,2-Tetrachloroethane
Concen: 9.091 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:131 Resp: 186041

Ion	Ratio	Lower	Upper
131	100		
133	97.9	78.3	117.5
119	60.9	48.7	73.1

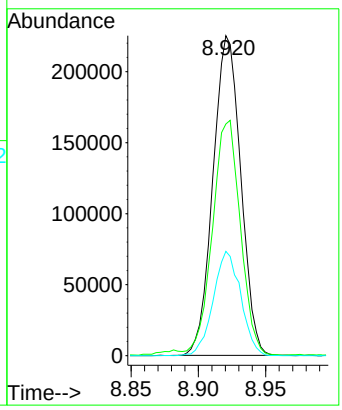




#57
Chlorobenzene
Concen: 9.187 ppbv
RT: 8.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:112 Resp: 32308

Ion	Ratio	Lower	Upper
112	100		
77	72.2	57.8	86.6
114	32.6	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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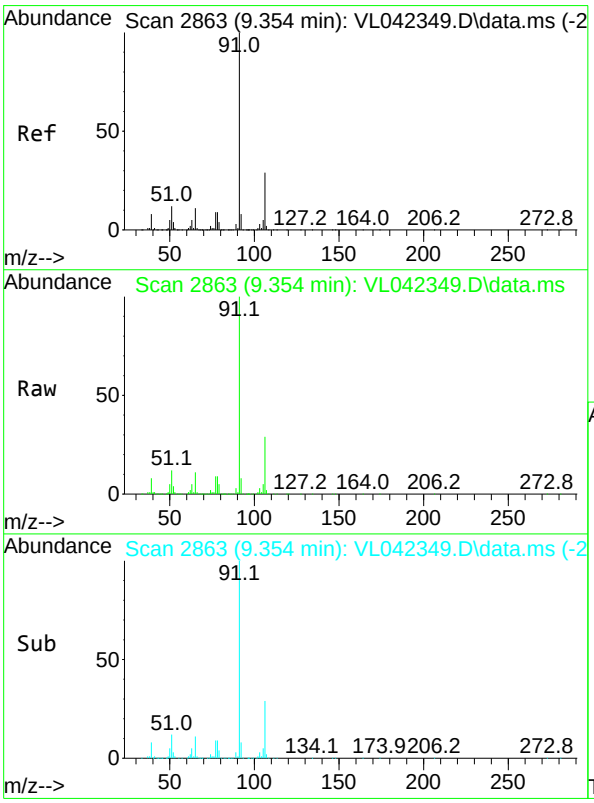
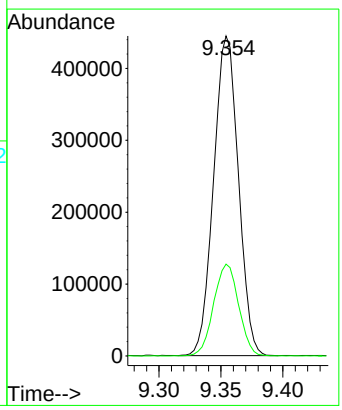
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

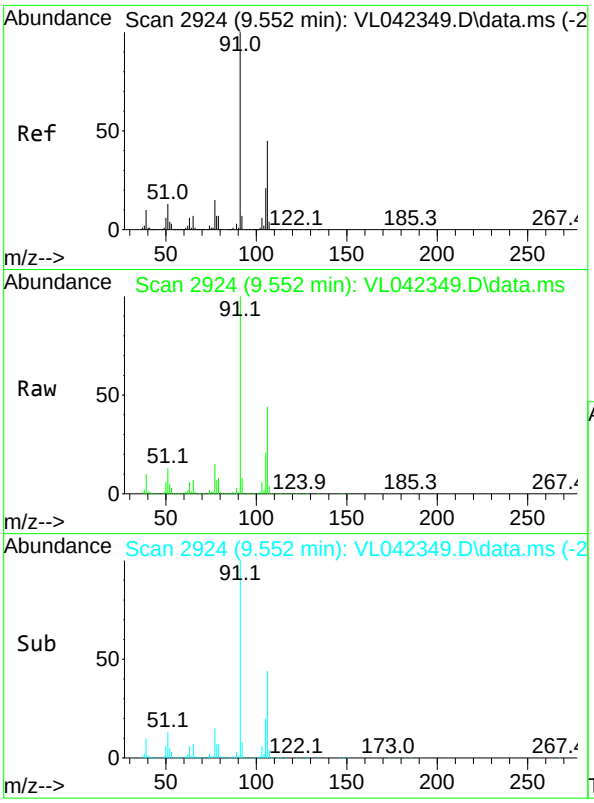


#58
Ethyl Benzene
Concen: 9.248 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 619581

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.0	34.4

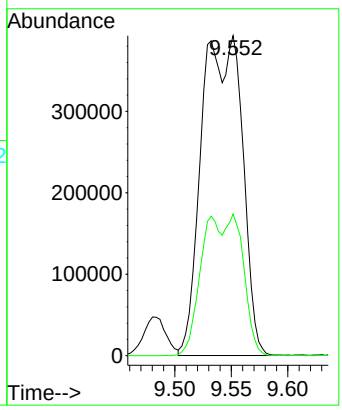




#59
m/p-Xylene
Concen: 18.187 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 98445

Ion	Ratio	Lower	Upper
91	100		
106	44.3	35.4	53.2



Instrument :
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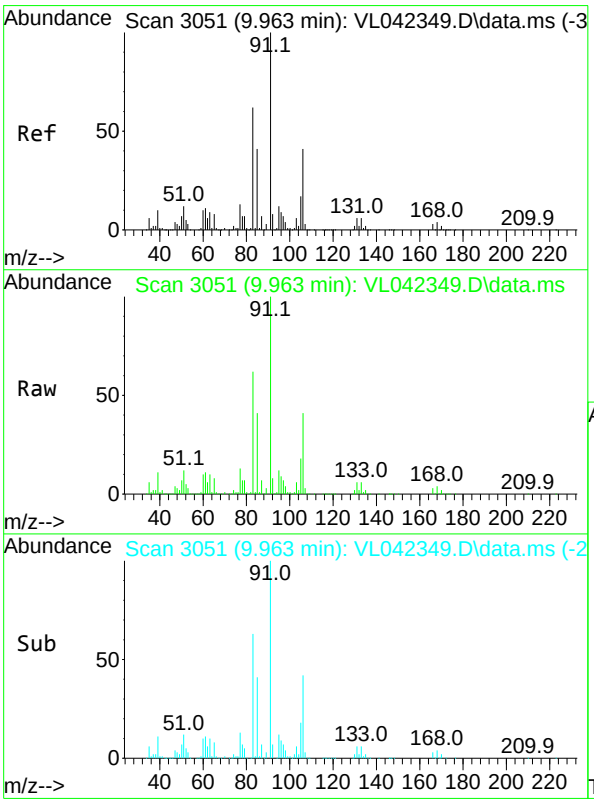
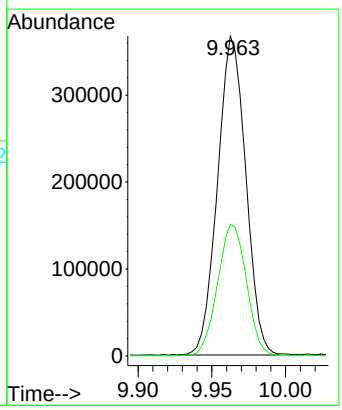
Supervised By :Mahesh Dadoda 04/18/2025

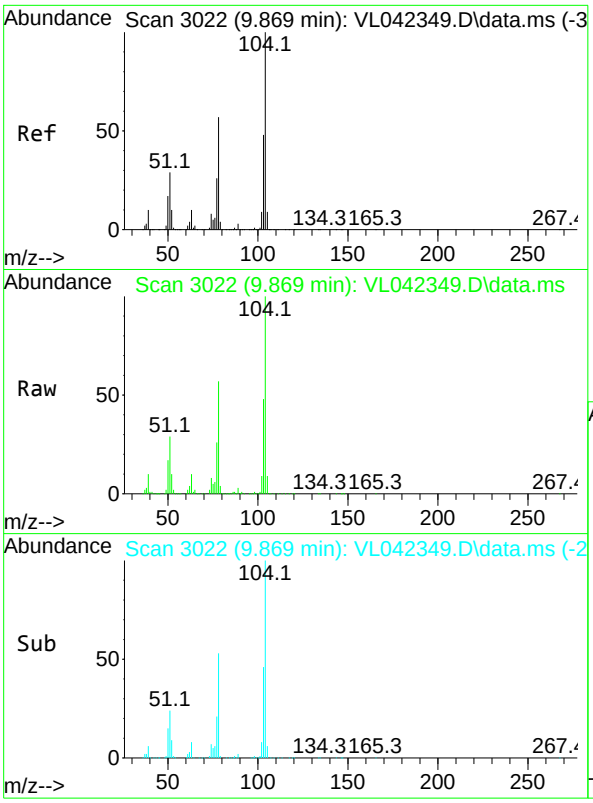


#60
o-Xylene
Concen: 8.972 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 487616

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.1	63.4

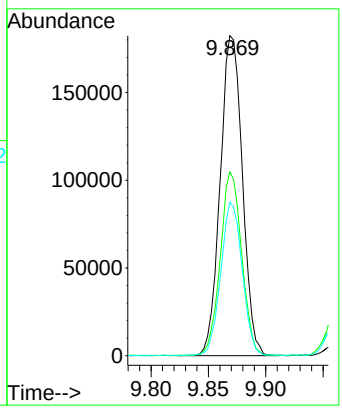




#61
Styrene
Concen: 9.464 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:104 Resp: 24548

Ion	Ratio	Lower	Upper
104	100		
78	55.7	44.6	66.8
103	46.7	37.4	56.0



Instrument :
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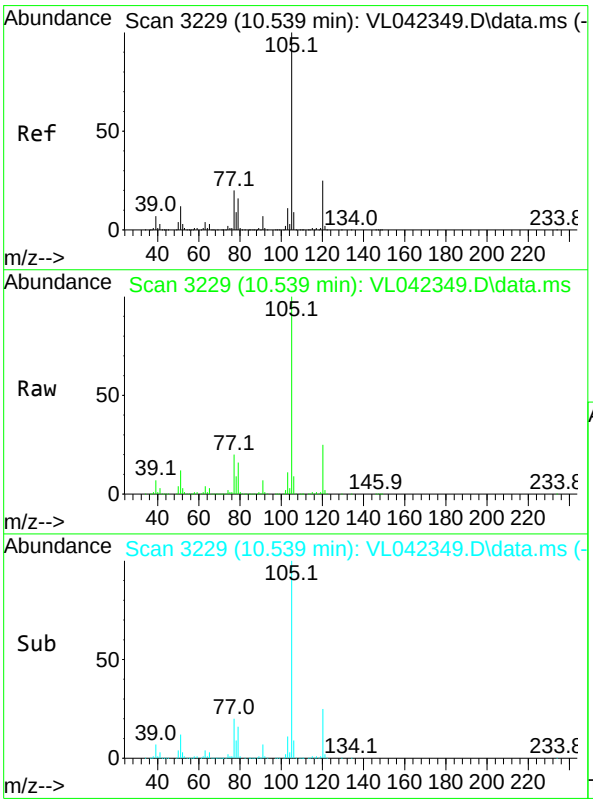
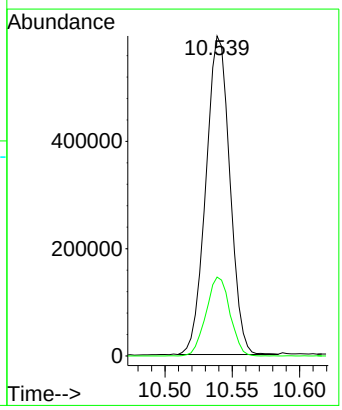
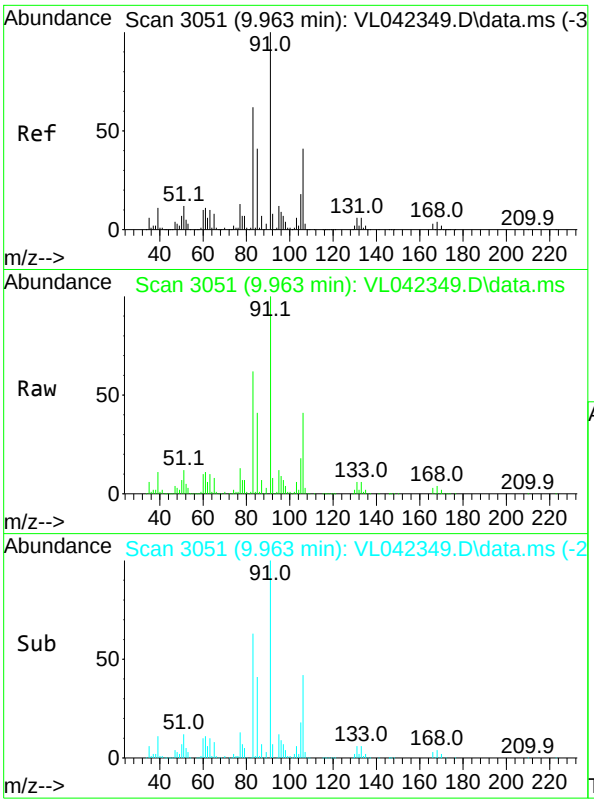


#62
Isopropylbenzene
Concen: 9.197 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 733788

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8

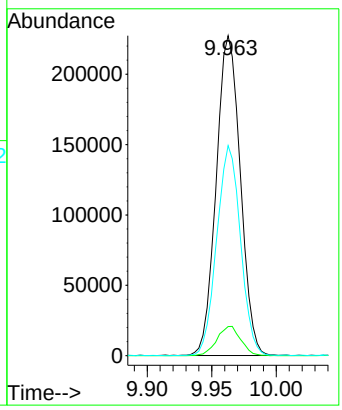




#63
1,1,2,2-Tetrachloroethane
Concen: 8.355 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 83 Resp: 29504

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	64.7	32.4	97.0



Instrument :
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ClientSampleId :
VSTDICCC010

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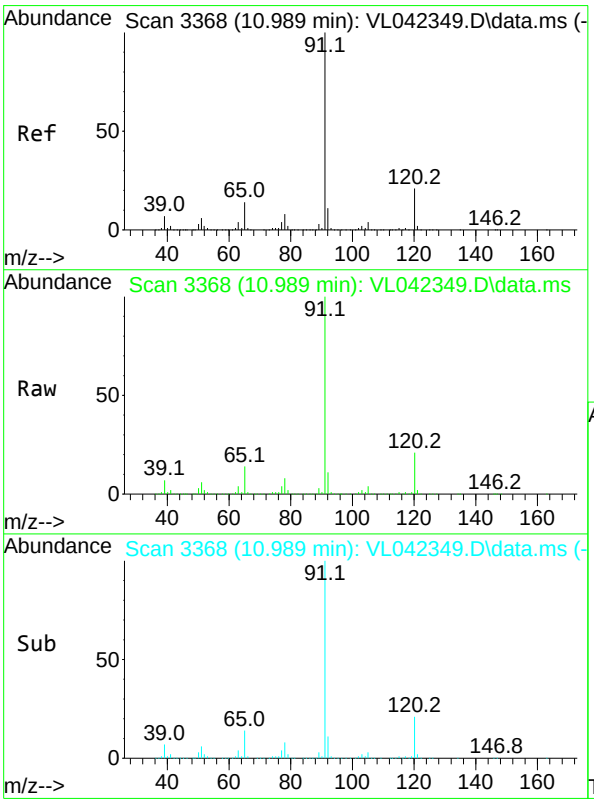
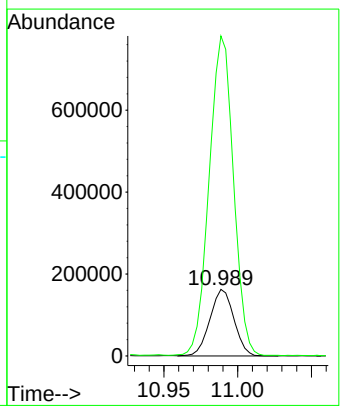
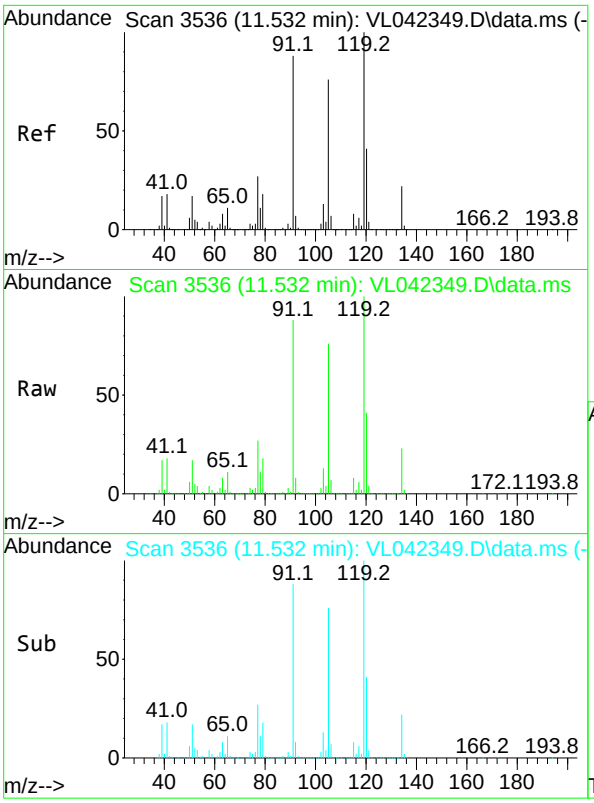


#64
n-propylbenzene
Concen: 9.144 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:120 Resp: 183390

Ion	Ratio	Lower	Upper
120	100		
91	490.5	392.4	588.6

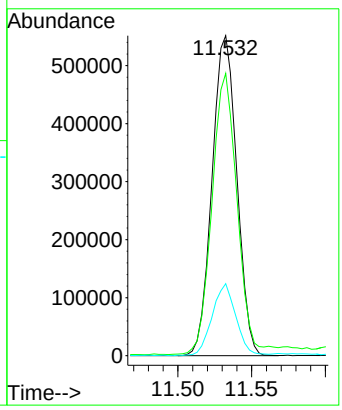




#65
tert-Butylbenzene
Concen: 8.795 ppbv
RT: 11.532 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:119 Resp: 64495

Ion	Ratio	Lower	Upper
119	100		
91	93.2	74.6	111.8
134	23.5	18.8	28.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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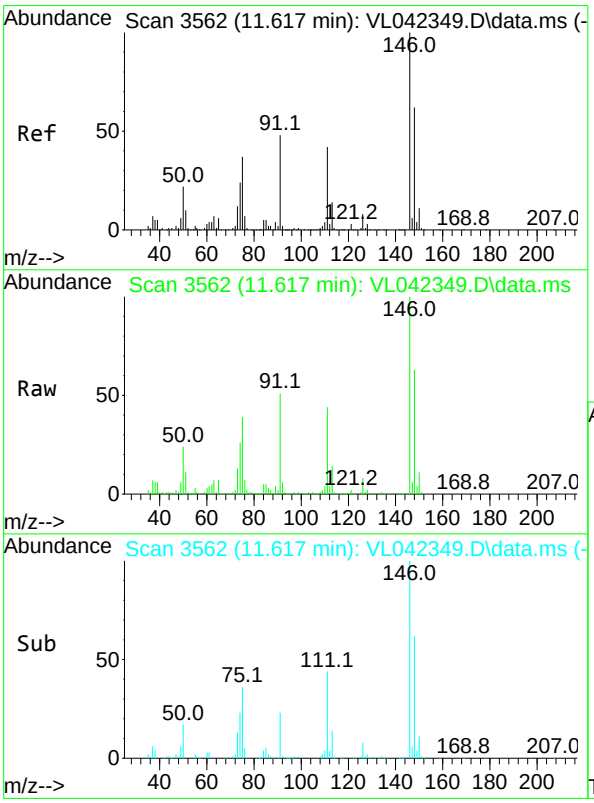
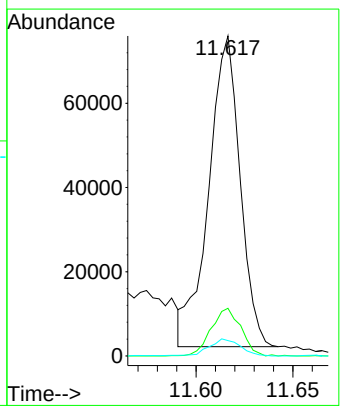
Supervised By :Mahesh Dadoda 04/18/2025

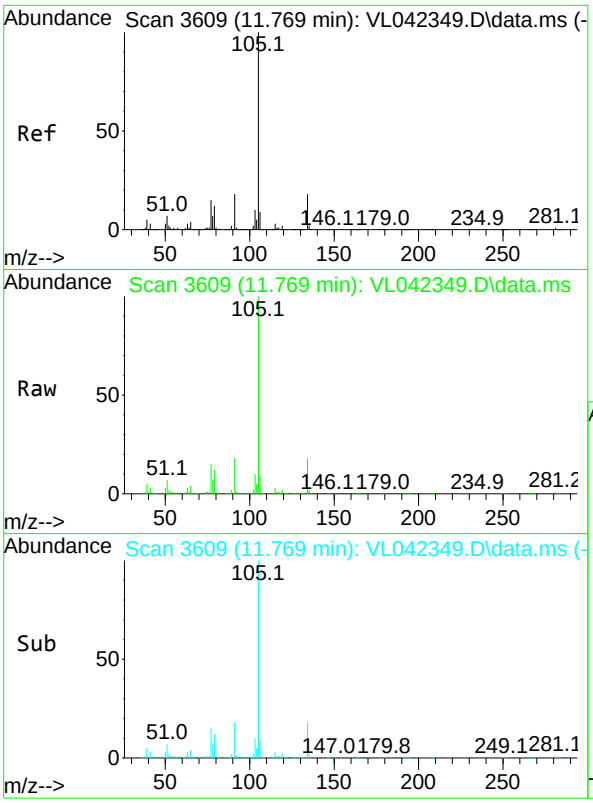


#66
Benzyl Chloride
Concen: 10.333 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 83269

Ion	Ratio	Lower	Upper
91	100		
126	14.7	11.8	17.6
128	5.6	4.5	6.7

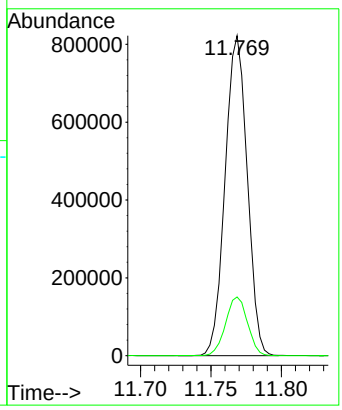




#67
sec-Butylbenzene
Concen: 8.824 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 90007

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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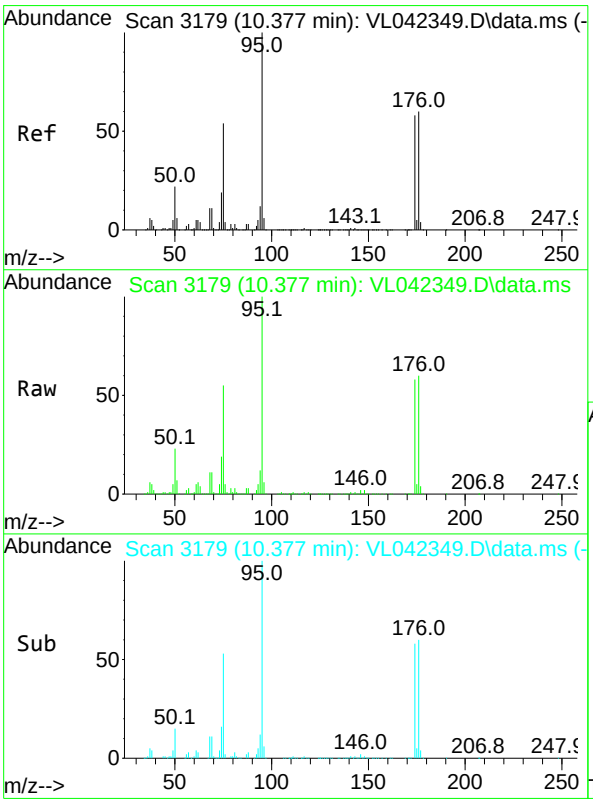
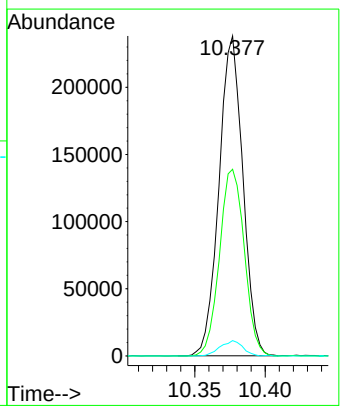
Supervised By :Mahesh Dadoda 04/18/2025

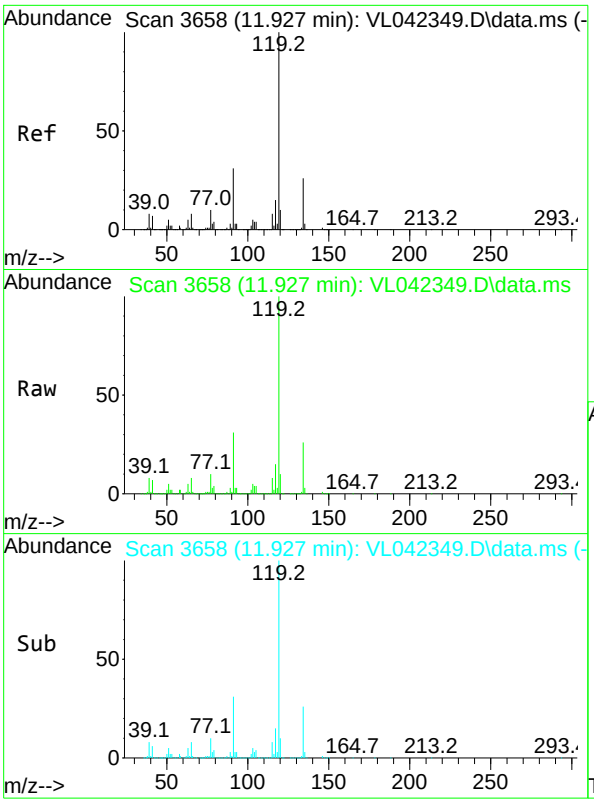


#68
1-Bromo-4-Fluorobenzene
Concen: 10.114 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 95 Resp: 281013

Ion	Ratio	Lower	Upper
95	100		
174	60.6	48.5	72.7
175	4.6	3.7	5.5

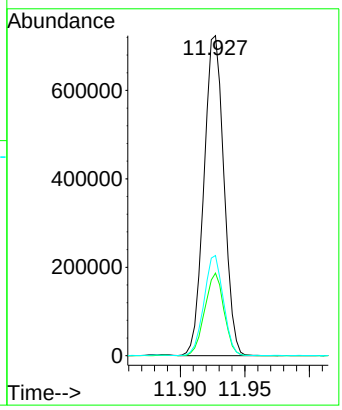




#69
p-Isopropyltoluene
Concen: 8.790 ppbv
RT: 11.927 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:119 Resp: 77898

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.0	30.0
91	30.5	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
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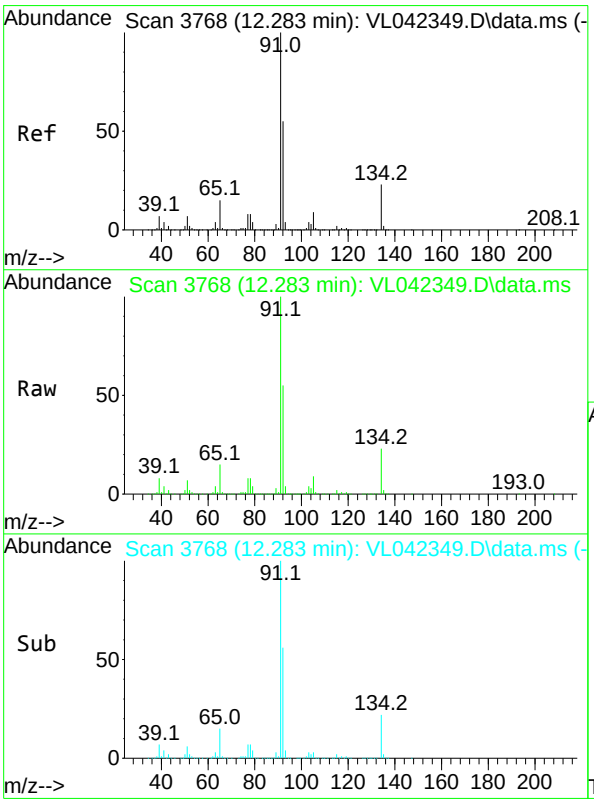
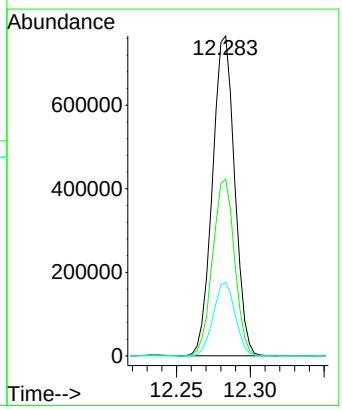
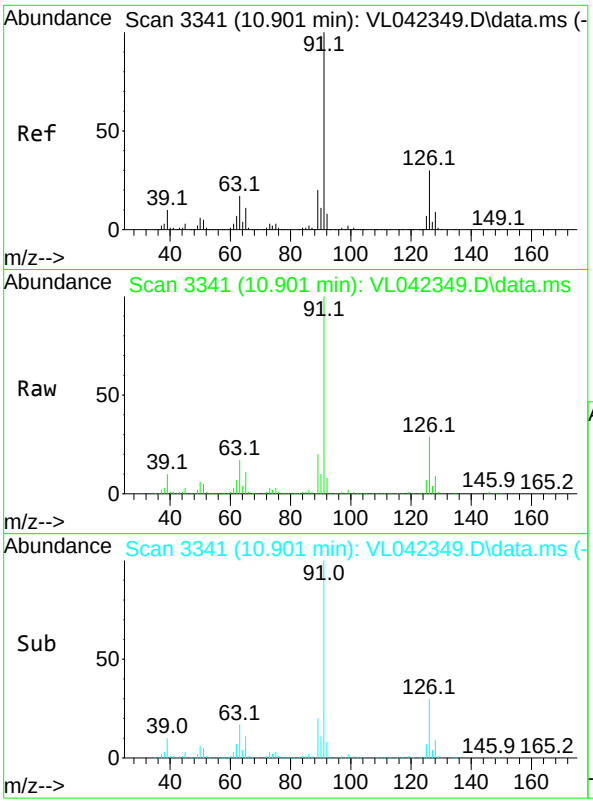


#70
n-Butylbenzene
Concen: 8.682 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 801364

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	22.8	18.2	27.4

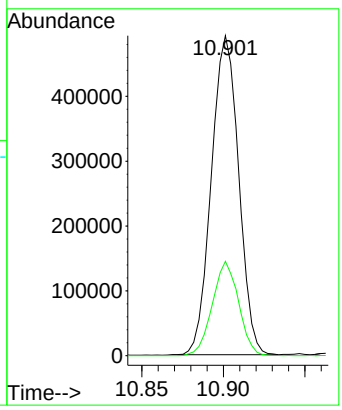




#71
2-Chlorotoluene
Concen: 9.157 ppbv
RT: 10.901 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 57303

Ion	Ratio	Lower	Upper
91	100		
126	28.4	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
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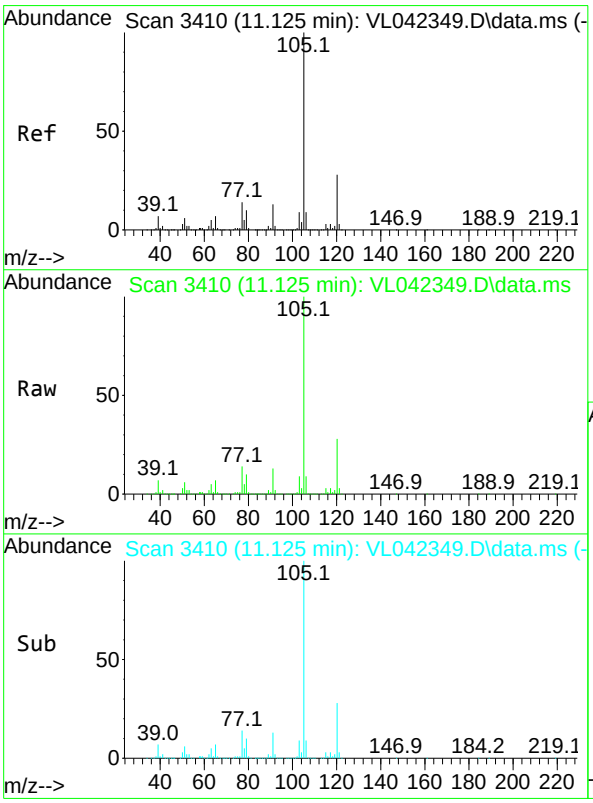
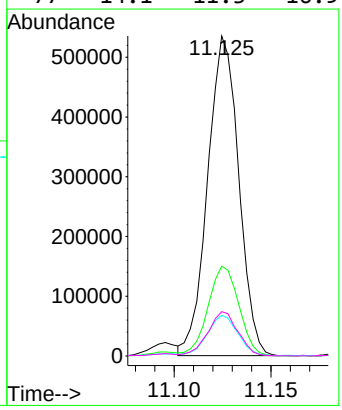
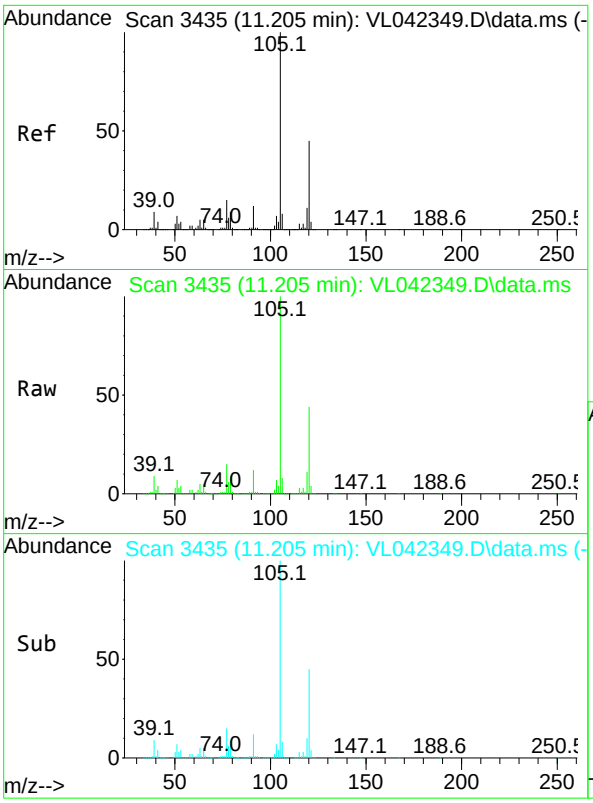


#72
4-Ethyltoluene
Concen: 8.982 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 596757

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.2	34.8
91	13.0	10.4	15.6
77	14.1	11.3	16.9

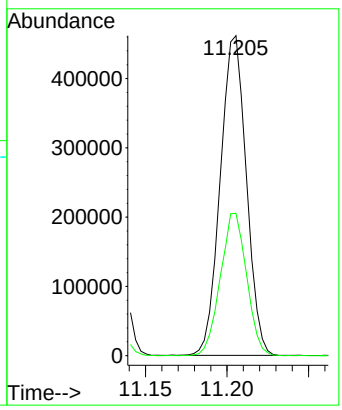




#73
1,3,5-Trimethylbenzene
Concen: 8.743 ppbv
RT: 11.205 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 51285

Ion	Ratio	Lower	Upper
105	100		
120	44.5	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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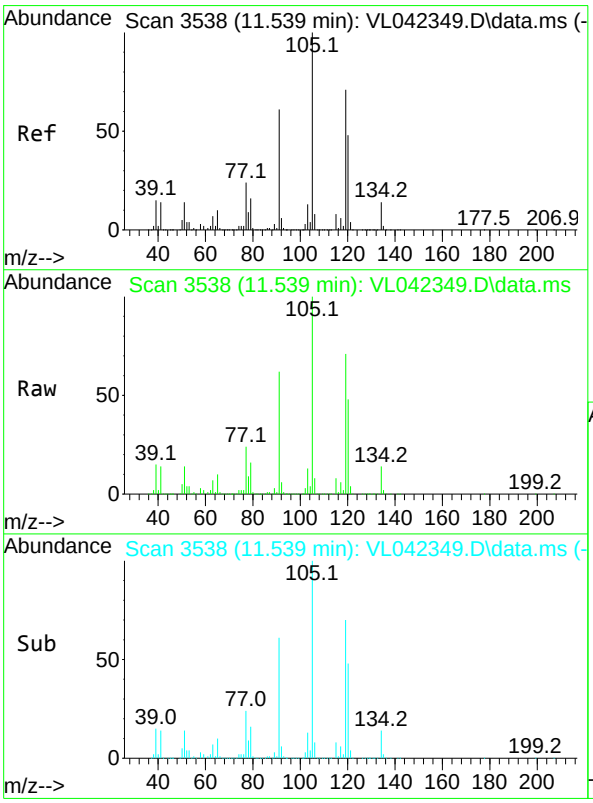
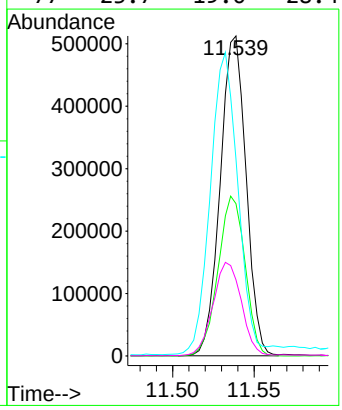
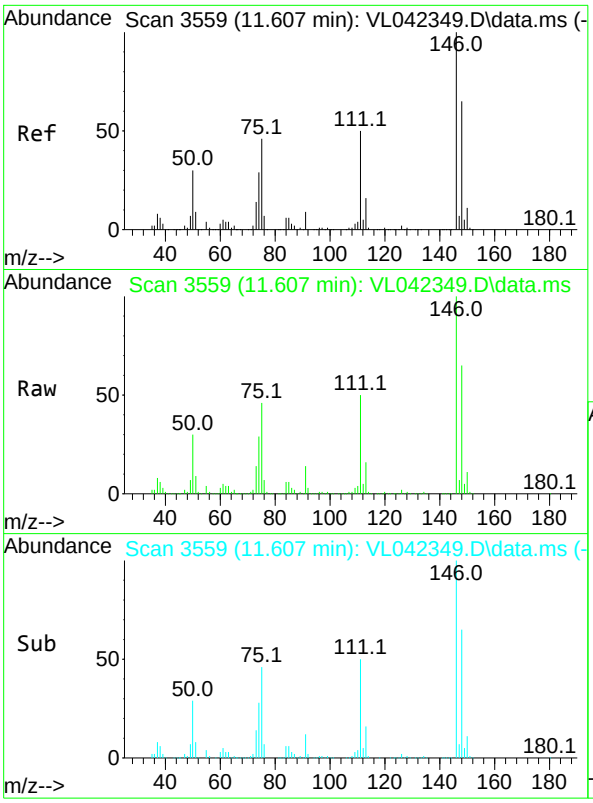


#74
1,2,4-Trimethylbenzene
Concen: 8.248 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 565064

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.1	57.1
91	61.0	48.8	73.2
77	23.7	19.0	28.4

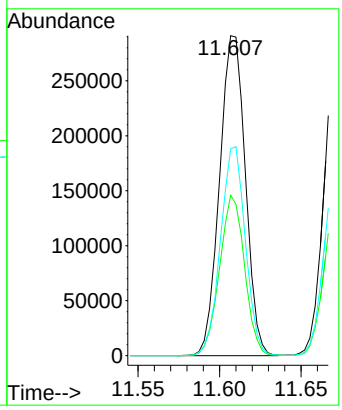




#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:146 Resp: 32038

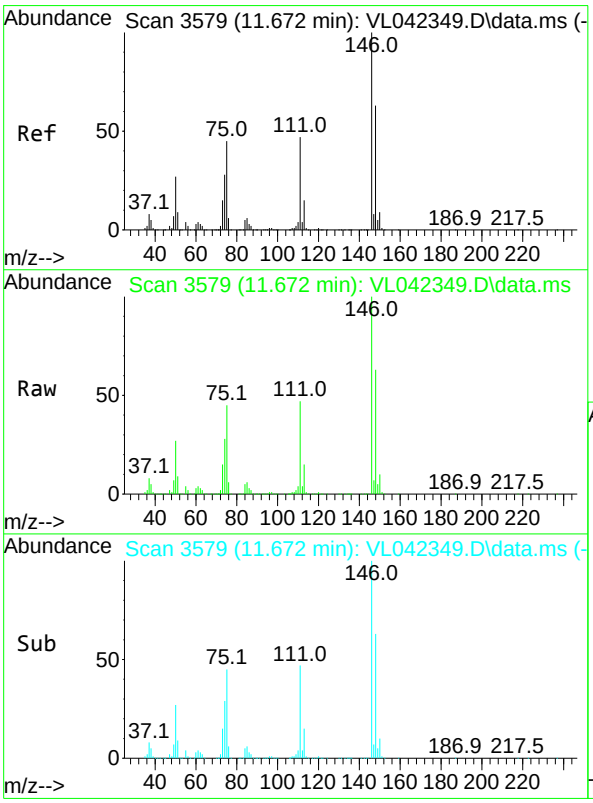
Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	72.8
148	63.2	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

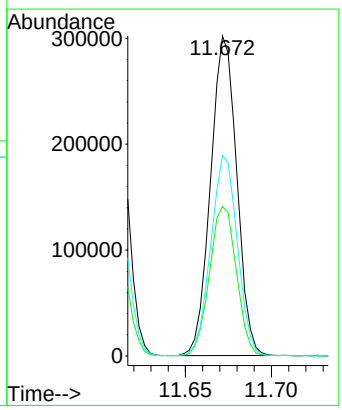
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

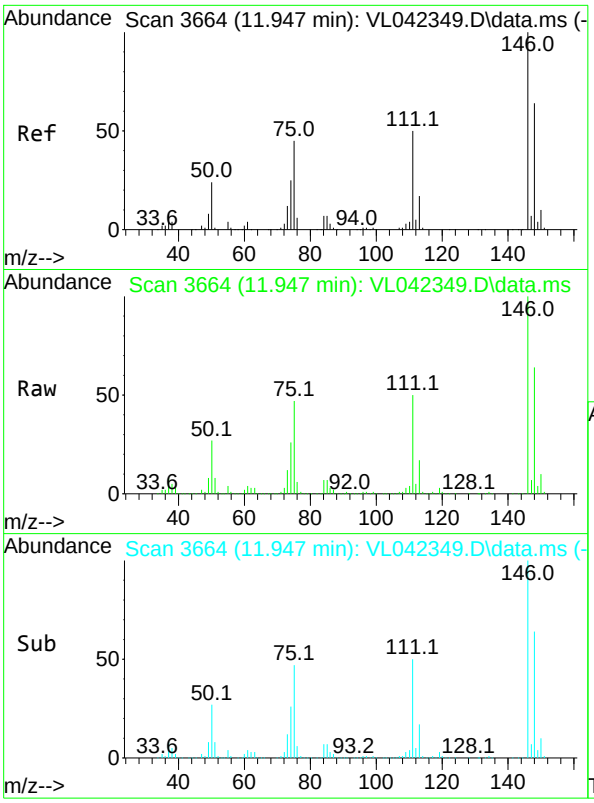


#76
1,4-Dichlorobenzene
Concen: 8.915 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:146 Resp: 319089

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.2	72.6
148	64.3	32.1	96.5

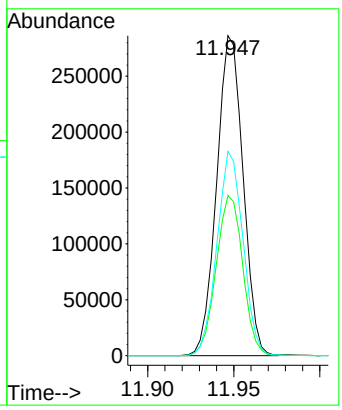




#77
1,2-Dichlorobenzene
Concen: 8.832 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:146 Resp: 30582

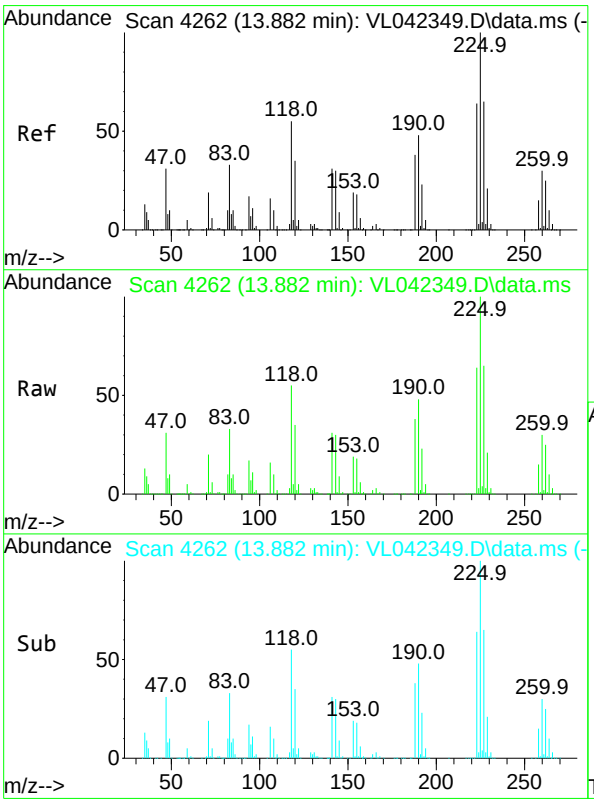
Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.3	75.9
148	63.0	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

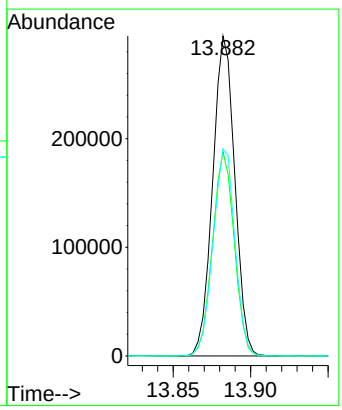
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

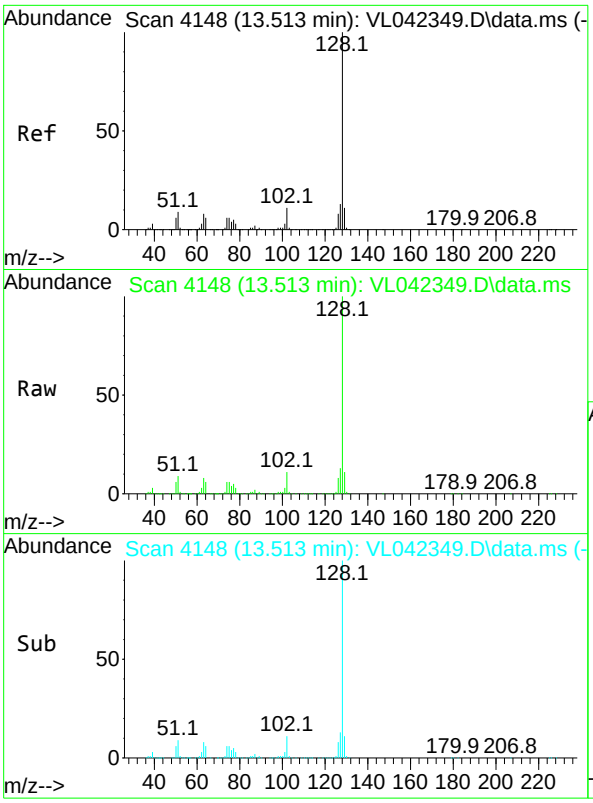


#78
Hexachloro-1,3-Butadiene
Concen: 8.346 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:225 Resp: 291833

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	64.4	51.5	77.3

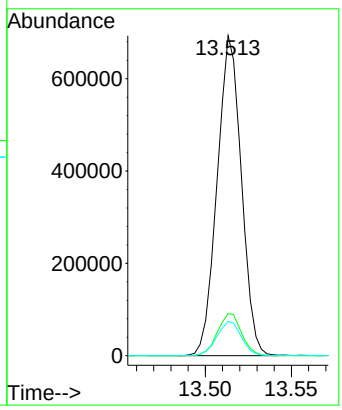




#79
Naphthalene
Concen: 8.271 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:128 Resp: 67757

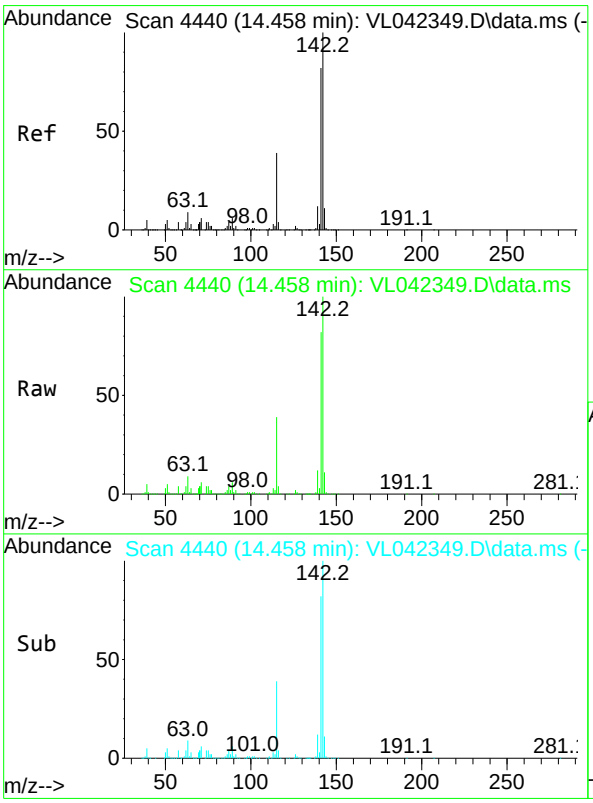
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

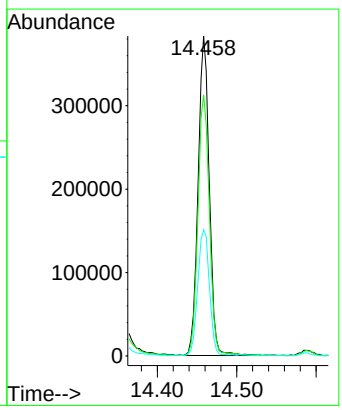
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

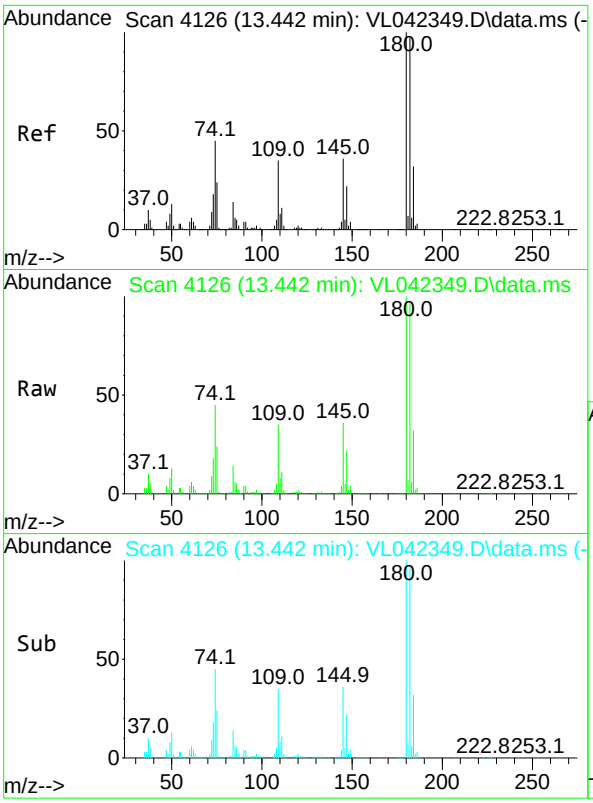


#80
Naphthalene,2-methyl-
Concen: 8.074 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:142 Resp: 376995

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.8	100.2
115	41.8	33.4	50.2

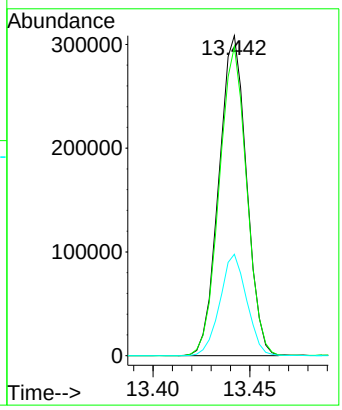




#81
1,2,4-Trichlorobenzene
Concen: 8.702 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:180 Resp: 30611

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.7	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	123206	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	355918	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	335603	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	275715	9.998	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	45008	2.068	ppbv	95
3) Chlorodifluoromethane	1.476	51	41853	2.019	ppbv	97
4) Chloromethane	1.534	50	17272	2.005	ppbv	93
5) Vinyl Chloride	1.580	62	16979	1.811	ppbv	92
6) Bromomethane	1.667	94	7398	1.821	ppbv #	80
7) Chloroethane	1.706	64	6889	2.031	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	38955	2.084	ppbv	98
9) Propene	1.483	41	18671	1.978	ppbv	97
10) Heptane	4.978	43	54438m	2.143	ppbv	
11) Trichlorofluoromethane	1.877	101	43035	2.079	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	35415	2.092	ppbv	100
13) Ethanol	1.722	45	3034m	3.933	ppbv	
14) Bromoethene	1.780	108	13049	2.045	ppbv #	92
15) Acetone	1.835	43	42949	2.129	ppbv	93
16) 1,3-Butadiene	1.609	39	18110	1.912	ppbv	96
17) tert-Butyl alcohol	2.042	59	51829	2.074	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	15690	1.928	ppbv	87
19) Isopropyl Alcohol	1.887	45	22106	1.973	ppbv #	38
20) Methylene Chloride	2.062	84	14329	1.814	ppbv #	82
21) Allyl Chloride	2.098	41	27340	1.963	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	18142	2.015	ppbv	97
23) Vinyl Acetate	2.463	43	18454	2.260	ppbv #	91
24) 1,1-Dichloroethane	2.411	63	34077	1.993	ppbv	96
25) Ethyl Acetate	2.835	43	101467	2.040	ppbv	99
26) Hexane	2.826	57	40046	1.990	ppbv	99
27) Carbon Disulfide	2.149	76	43975	2.041	ppbv #	64
28) Methyl tert-Butyl Ether	2.441	73	27905	2.116	ppbv	97
29) Chloroform	2.848	83	58946	2.072	ppbv	100
30) Cyclohexane	3.858	84	33195	2.048	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	39249	2.051	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	61442	2.014	ppbv	99
34) 2-Butanone	2.560	43	58249	2.069	ppbv	100
35) Carbon Tetrachloride	3.761	117	60291	1.872	ppbv	88
36) Benzene	3.658	78	79814	2.079	ppbv	98
37) 1,2-Dichloroethane	3.217	62	47398	2.057	ppbv	100
38) Trichloroethene	4.544	130	31826m	1.891	ppbv	
39) 1,2-Dichloropropane	4.315	63	28806	2.012	ppbv	96
40) 1,4-Dioxane	4.593	88	16536m	2.133	ppbv	
41) Tetrahydrofuran	3.059	42	33298	2.047	ppbv	98
42) Bromodichloromethane	4.489	83	64941	2.025	ppbv	97
43) Methyl Methacrylate	4.881	69	35256	2.046	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	139641	2.103	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	36265	2.050	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	45327m	2.096	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	29879	2.049	ppbv	88
48) Dibromochloromethane	7.389	129	53069	2.061	ppbv	100
49) Bromoform	9.483	173	48069	2.135	ppbv	97
50) 4-Methyl-2-Pentanone	5.758	43	102182	2.180	ppbv	99
51) 2-Hexanone	7.441	43	100443	2.375	ppbv	98
52) Tetrachloroethene	8.228	164	27854	1.877	ppbv	96
53) Toluene	6.933	91	97493	2.116	ppbv	98
54) 1,2-Dibromoethane	7.655	107	43153	2.076	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.924	131	42601	2.097	ppbv	95
57) Chlorobenzene	8.924	112	71685	2.054	ppbv	98
58) Ethyl Benzene	9.357	91	138810	2.088	ppbv	98
59) m/p-Xylene	9.532	91	222542m	4.142	ppbv	
60) o-Xylene	9.963	91	111972	2.076	ppbv	98
61) Styrene	9.872	104	54229	2.106	ppbv	98
62) Isopropylbenzene	10.539	105	163716	2.067	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	64952	1.853	ppbv	99
64) n-propylbenzene	10.989	120	40956	2.058	ppbv	96
65) tert-Butylbenzene	11.532	119	155401	2.135	ppbv	92
66) Benzyl Chloride	11.616	91	17300	2.163	ppbv	98
67) sec-Butylbenzene	11.769	105	218327	2.156	ppbv	100
69) p-Isopropyltoluene	11.927	119	188657	2.145	ppbv	99
70) n-Butylbenzene	12.283	91	198221	2.164	ppbv	99
71) 2-Chlorotoluene	10.901	91	128858	2.075	ppbv	98
72) 4-Ethyltoluene	11.124	105	137872	2.091	ppbv	97
73) 1,3,5-Trimethylbenzene	11.205	105	123580	2.123	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	145510	2.140	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	75082	2.124	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	75323	2.120	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	74786	2.176	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	76158	2.194	ppbv	100
79) Naphthalene	13.513	128	195233	2.401	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	119262	2.574	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	82156	2.353	ppbv	99

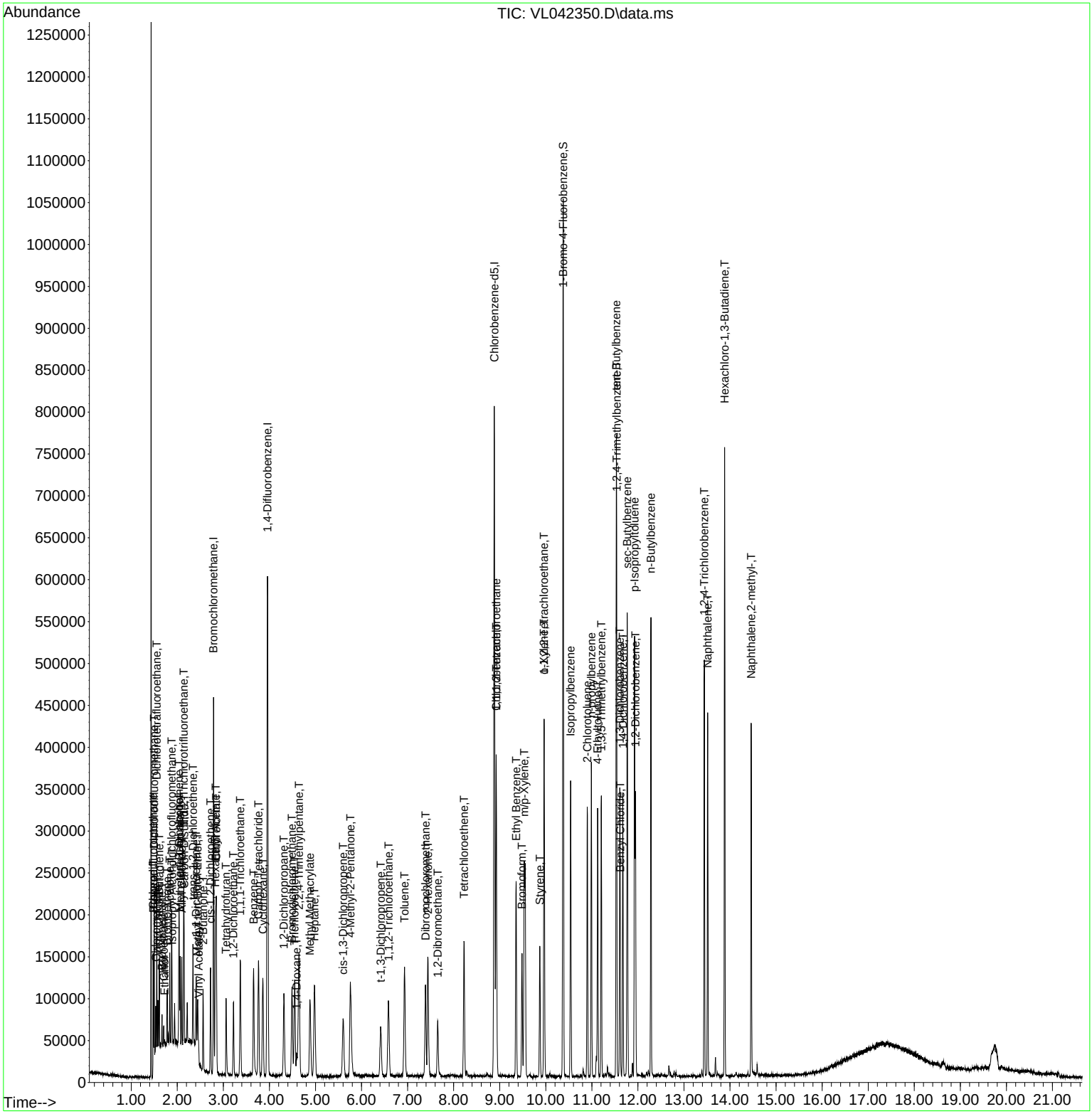
(#) = qualifier out of range (m) = manual integration (+) = signals summed

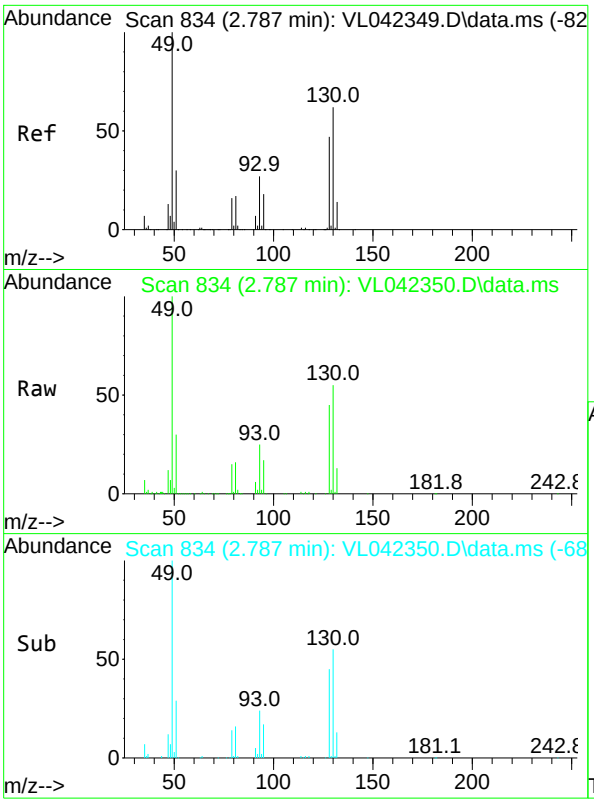
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

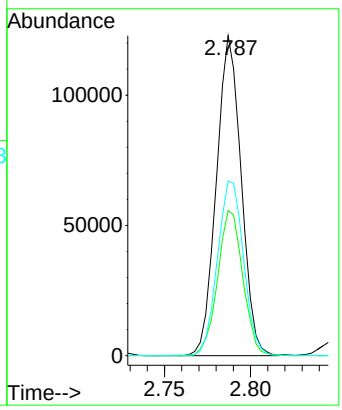




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 49 Resp: 12320

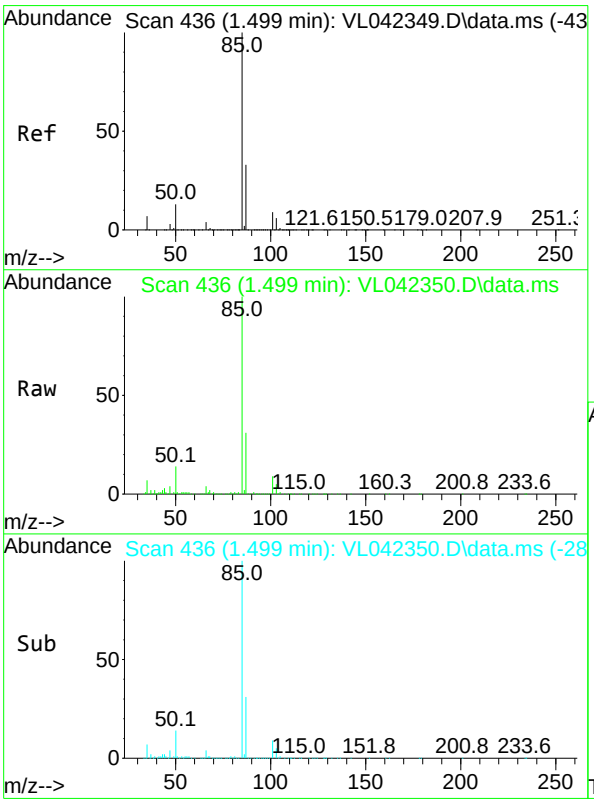
Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.8	68.4
130	57.3	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

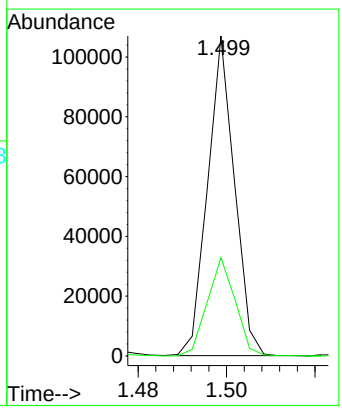
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

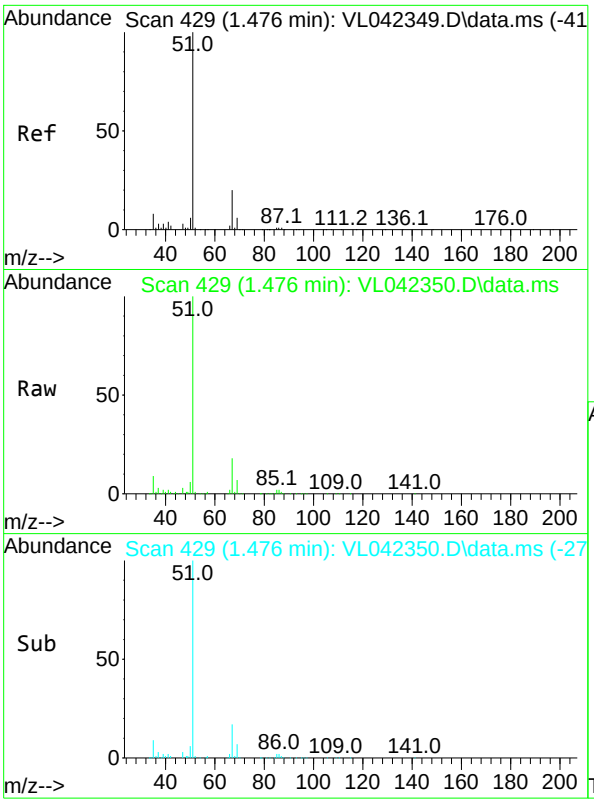


#2
Dichlorodifluoromethane
Concen: 2.068 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 85 Resp: 45008

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.6	39.8

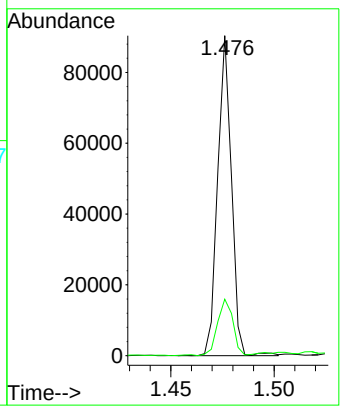




#3
Chlorodifluoromethane
Concen: 2.019 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 51 Resp: 4185

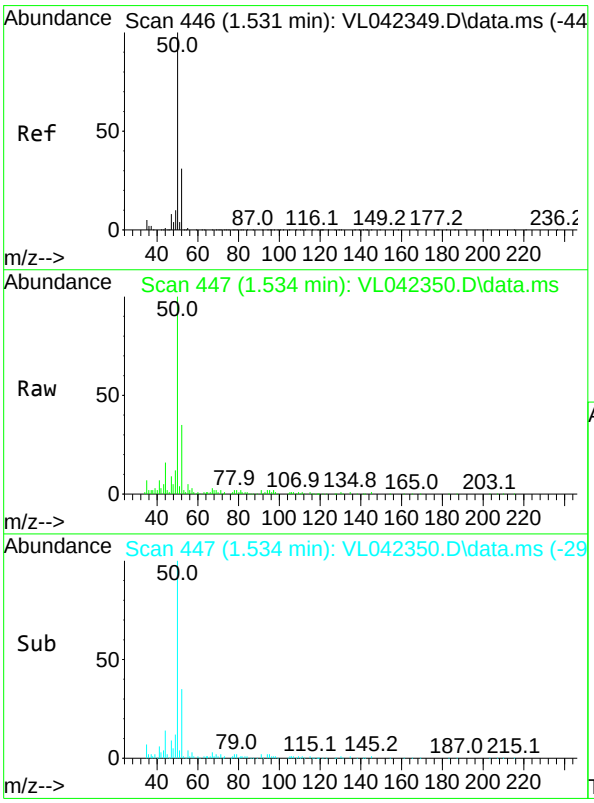
Ion	Ratio	Lower	Upper
51	100		
67	21.7	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

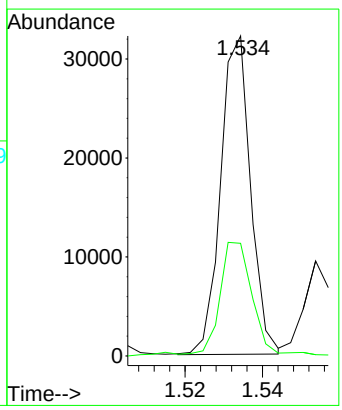
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

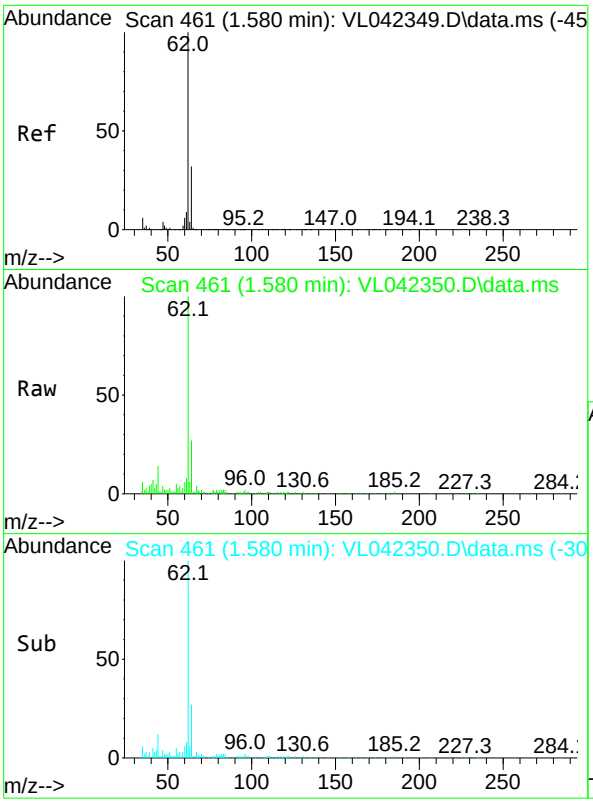


#4
Chloromethane
Concen: 2.005 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 50 Resp: 17272

Ion	Ratio	Lower	Upper
50	100		
52	34.9	24.7	37.1

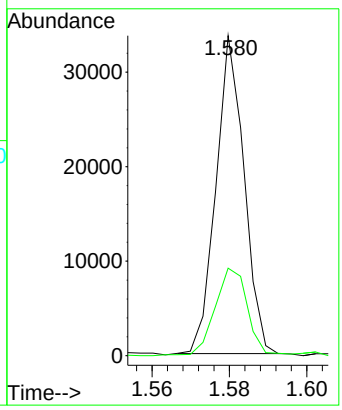




#5
Vinyl Chloride
Concen: 1.811 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 62 Resp: 1697

Ion	Ratio	Lower	Upper
62	100		
64	27.2	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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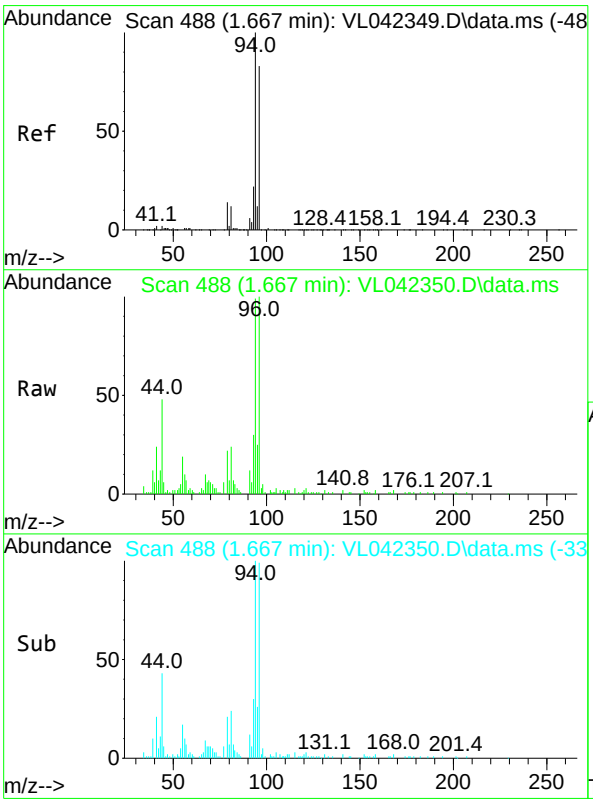
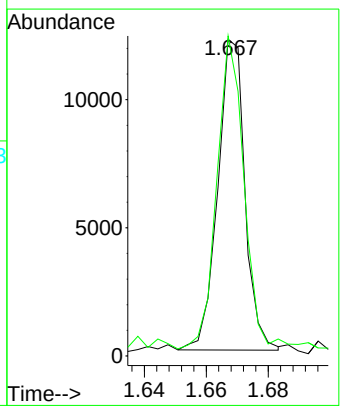
Supervised By :Mahesh Dadoda 04/18/2025

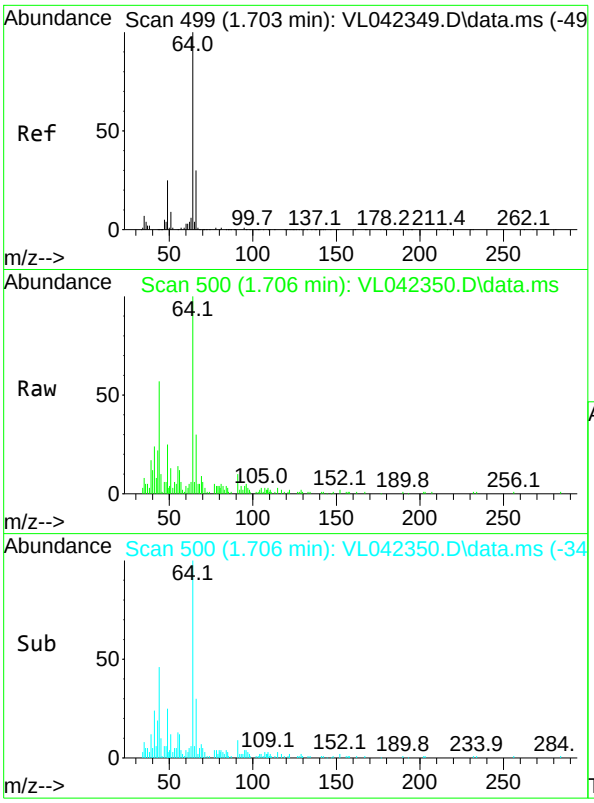


#6
Bromomethane
Concen: 1.821 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 94 Resp: 7398

Ion	Ratio	Lower	Upper
94	100		
96	100.8	66.2	99.2#

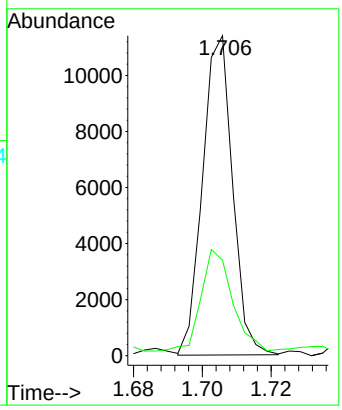




#7
Chloroethane
Concen: 2.031 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 64 Resp: 688

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
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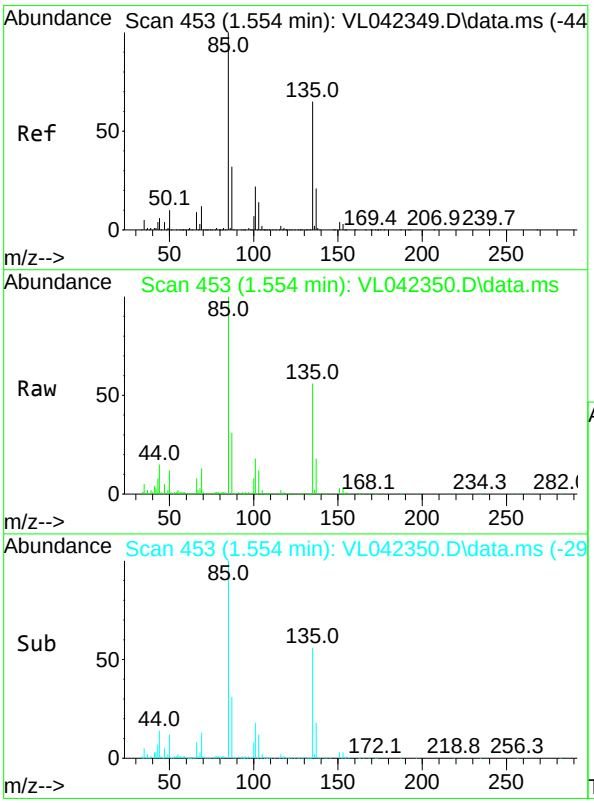
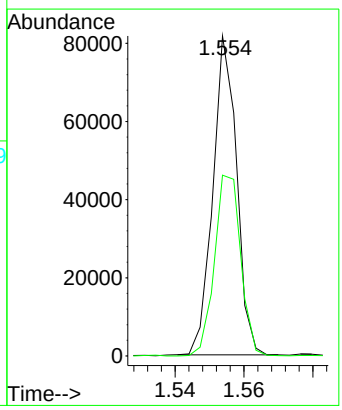
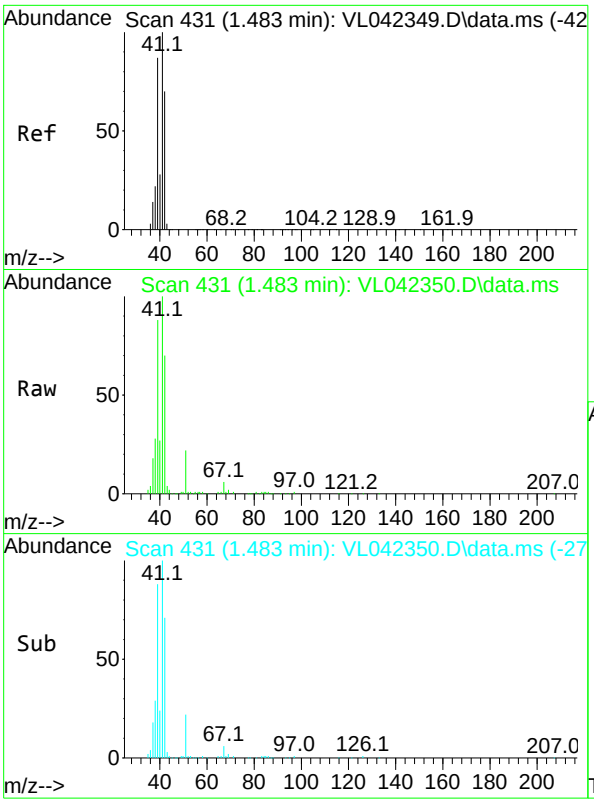


#8
Dichlorotetrafluoroethane
Concen: 2.084 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 85 Resp: 38955

Ion	Ratio	Lower	Upper
85	100		
135	63.3	52.2	78.2





#9
Propene
Concen: 1.978 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 41 Resp: 1867

Ion	Ratio	Lower	Upper
41	100		
42	72.7	56.2	84.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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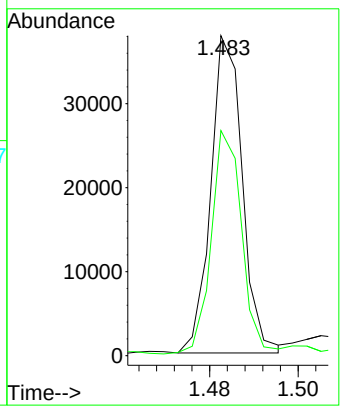
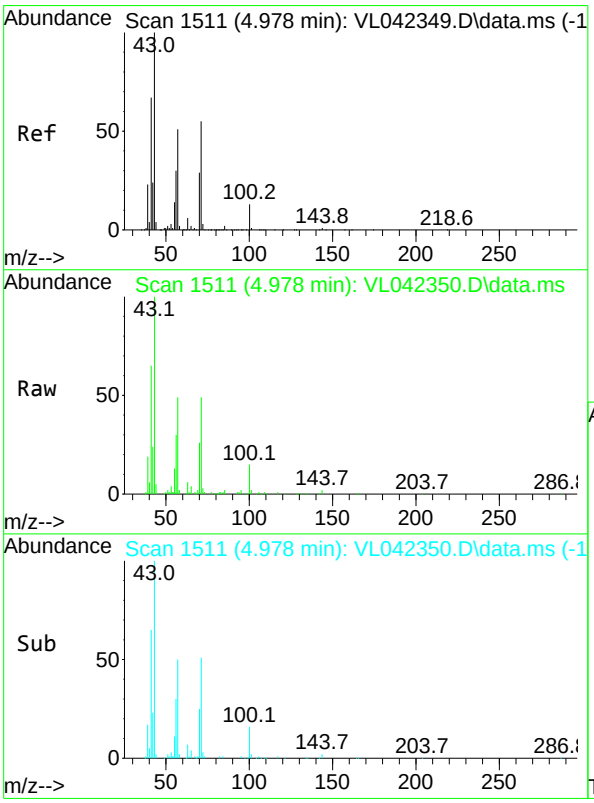
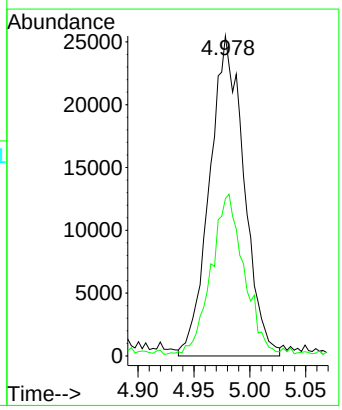


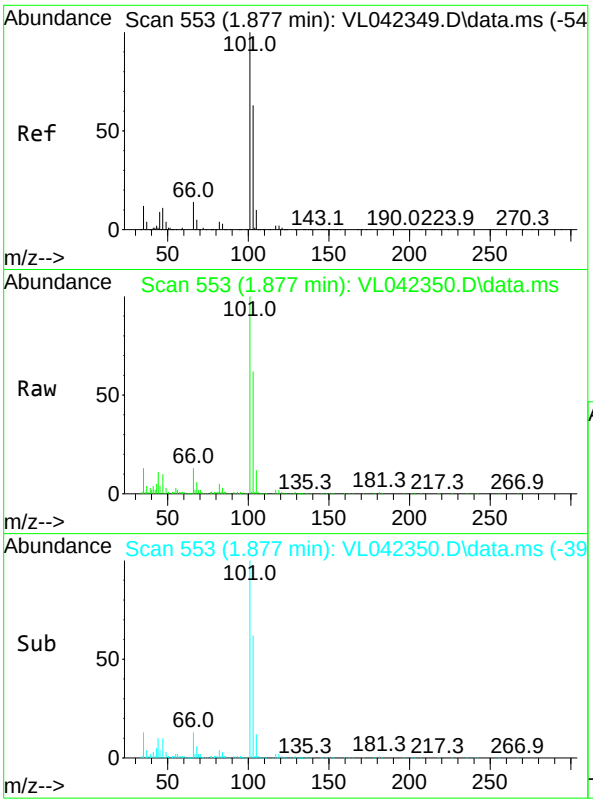


#10
Heptane
Concen: 2.143 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 54438

Ion	Ratio	Lower	Upper
43	100		
57	48.3	39.9	59.9

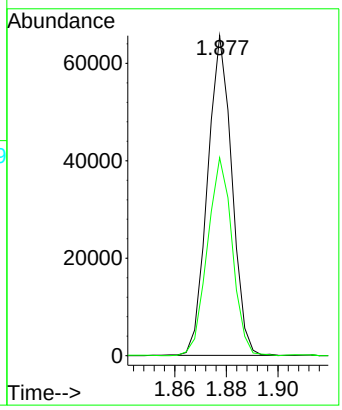




#11
Trichlorofluoromethane
Concen: 2.079 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:101 Resp: 4303

Ion	Ratio	Lower	Upper
101	100		
103	61.9	50.1	75.1



Instrument :
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ClientSampleId :
VSTDICC002

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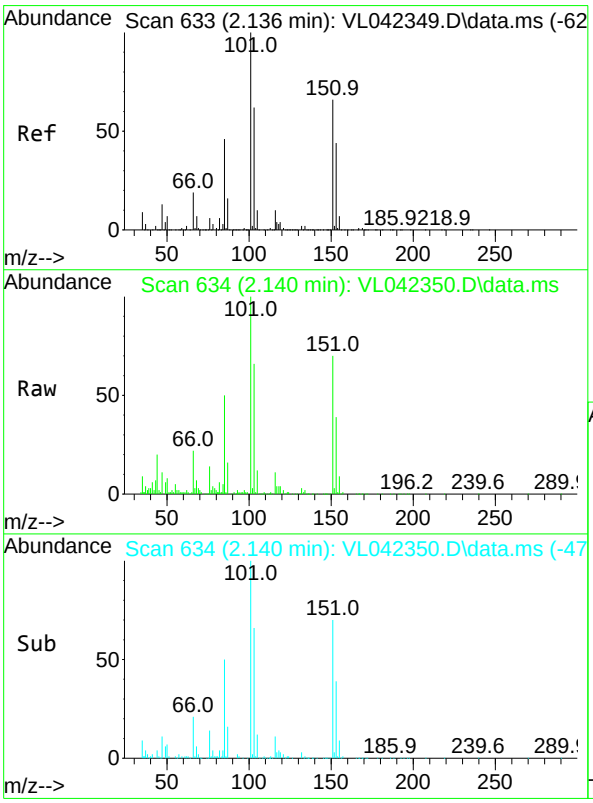
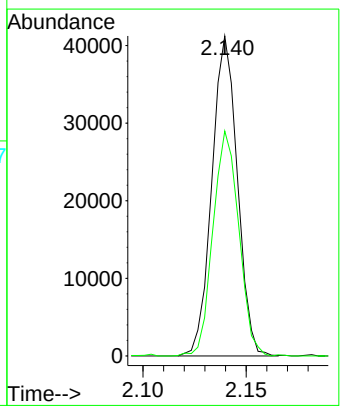
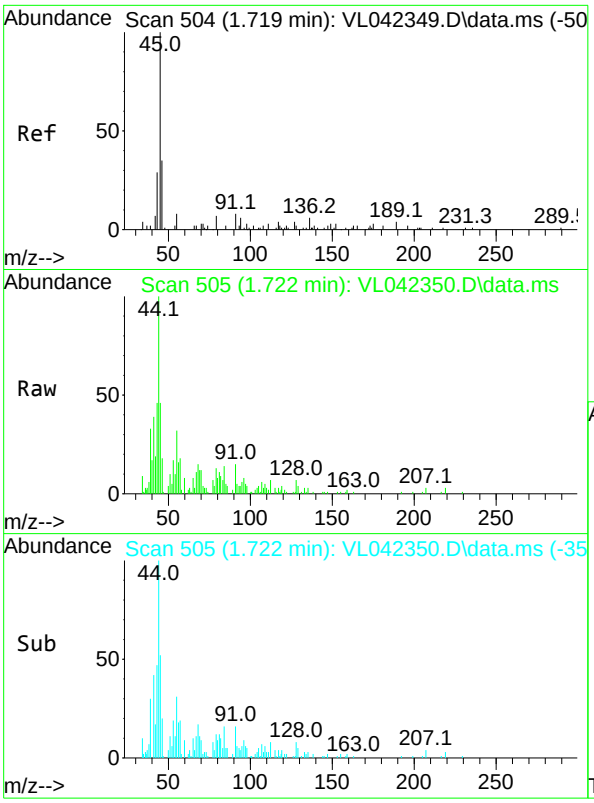


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.092 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:101 Resp: 35415

Ion	Ratio	Lower	Upper
101	100		
151	71.5	57.0	85.6

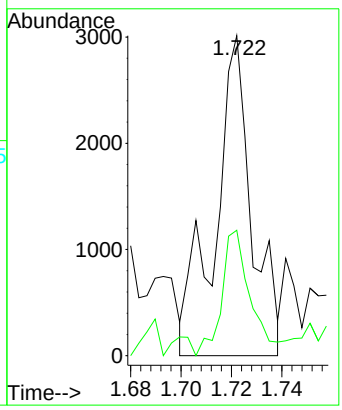




#13
Ethanol
Concen: 3.933 ppbv m
RT: 1.722 min Scan# 5(
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 45 Resp: 303

Ion	Ratio	Lower	Upper
45	100		
46	39.3	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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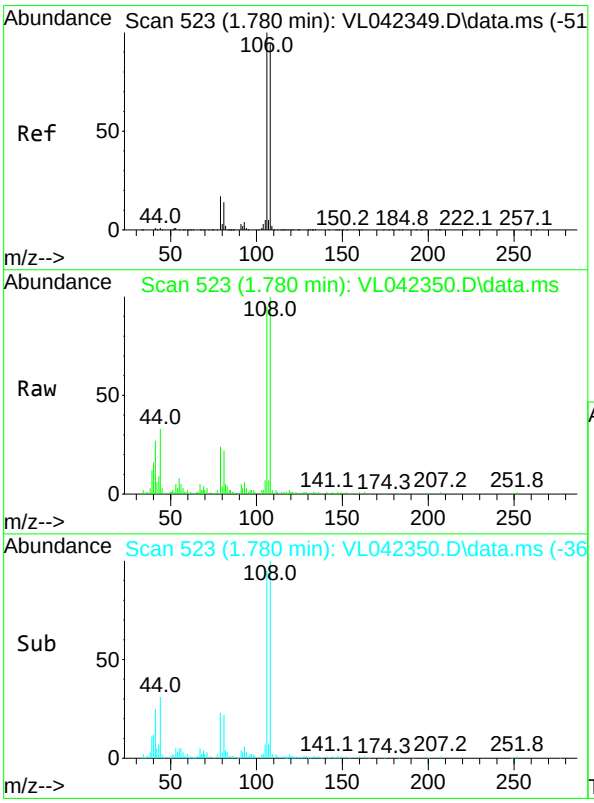
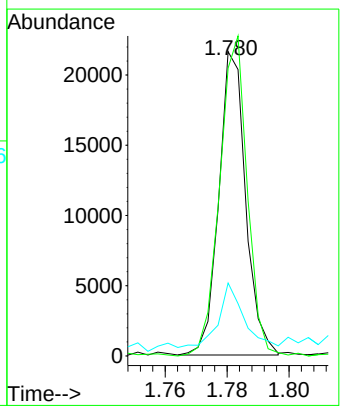
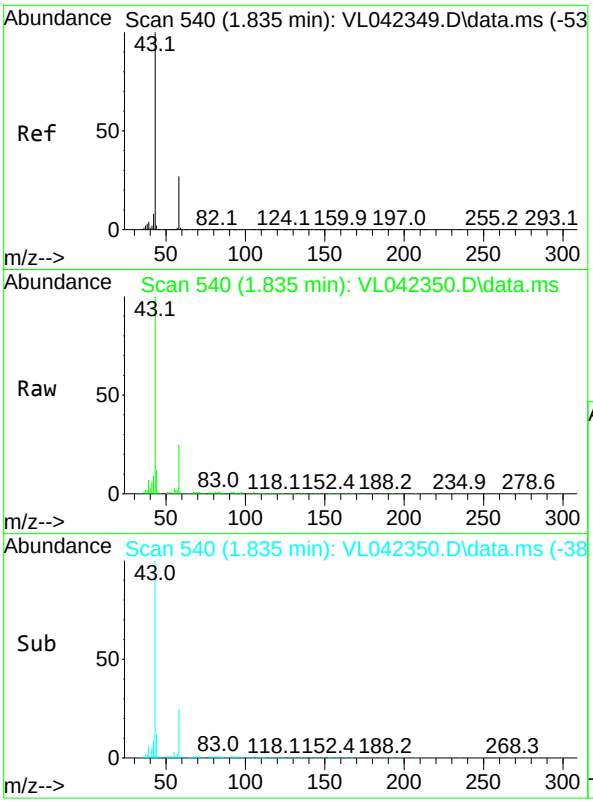


#14
Bromoethene
Concen: 2.045 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:108 Resp: 13049

Ion	Ratio	Lower	Upper
108	100		
106	110.2	85.9	128.9
79	34.0	13.9	20.9#

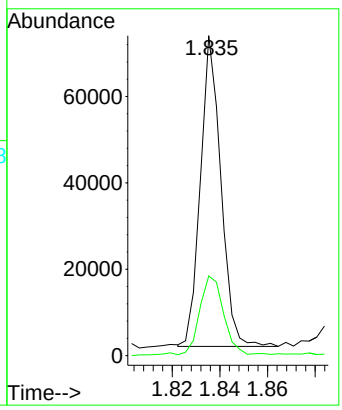




#15
Acetone
Concen: 2.129 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 4294

Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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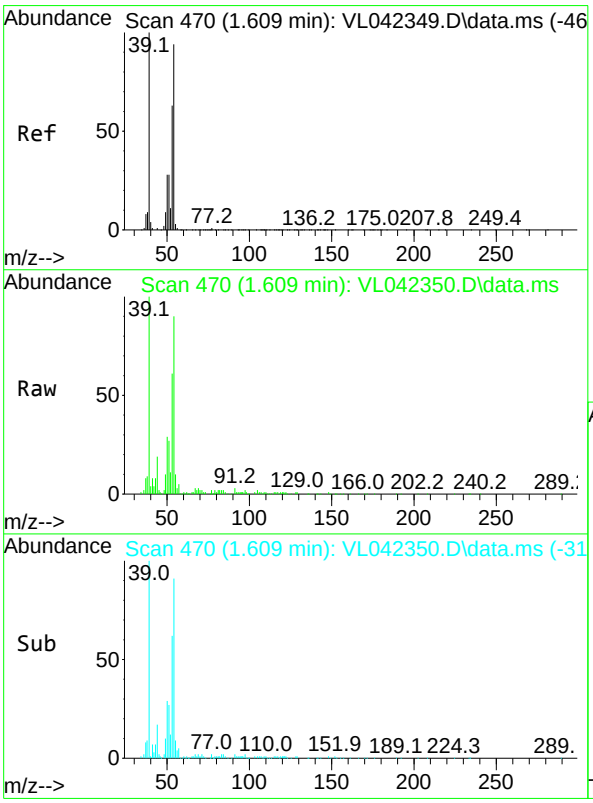
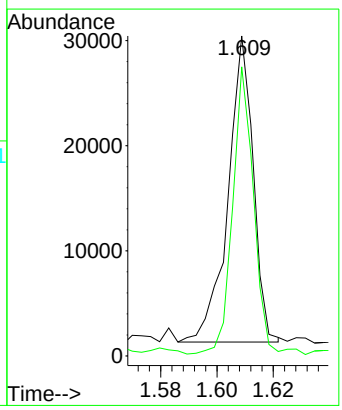
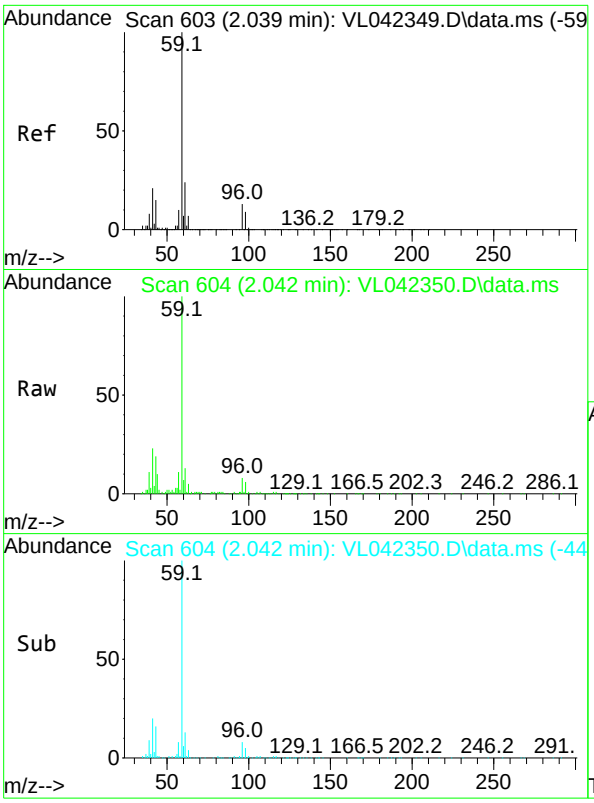


#16
1,3-Butadiene
Concen: 1.912 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 39 Resp: 18110

Ion	Ratio	Lower	Upper
39	100		
54	77.2	64.9	97.3

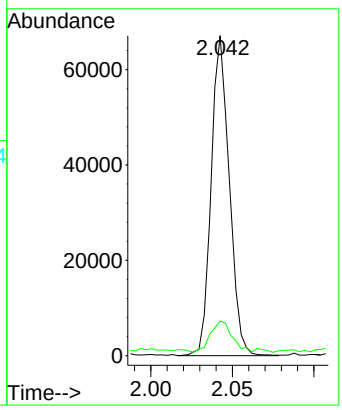




#17
tert-Butyl alcohol
Concen: 2.074 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 59 Resp: 5182

Ion	Ratio	Lower	Upper
59	100		
57	13.2	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
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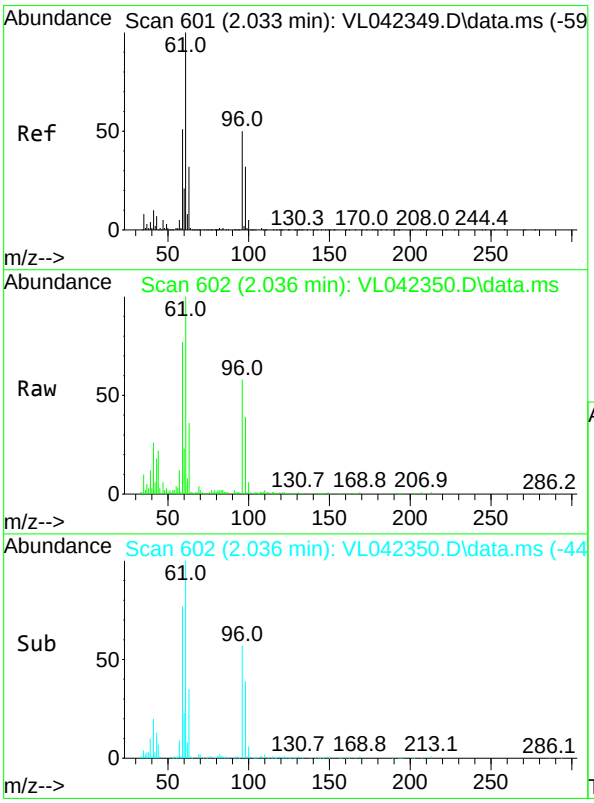
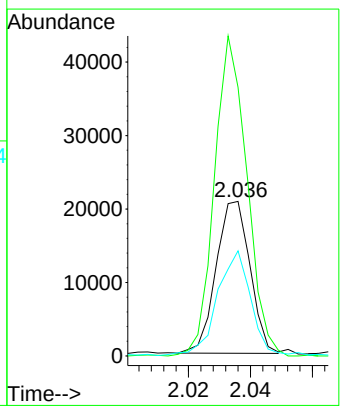
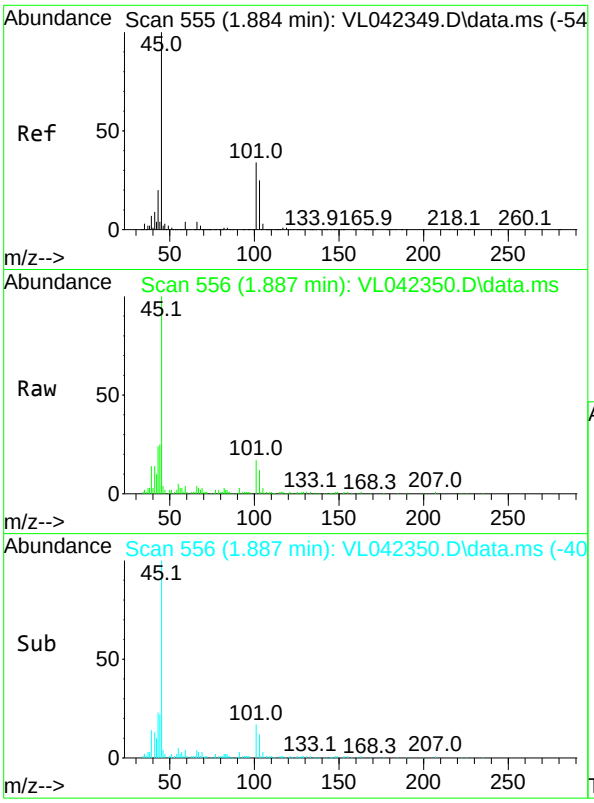


#18
1,1-Dichloroethene
Concen: 1.928 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 96 Resp: 15690

Ion	Ratio	Lower	Upper
96	100		
61	176.1	160.2	240.2
98	67.2	51.0	76.4

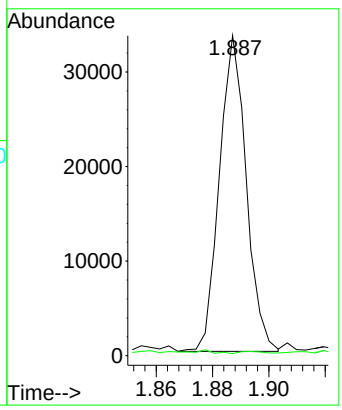




#19
Isopropyl Alcohol
Concen: 1.973 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 45 Resp: 2210

Ion	Ratio	Lower	Upper
45	100		
58	3.6	34.5	51.7#



Instrument :
MSVOA_L
ClientSampleId :
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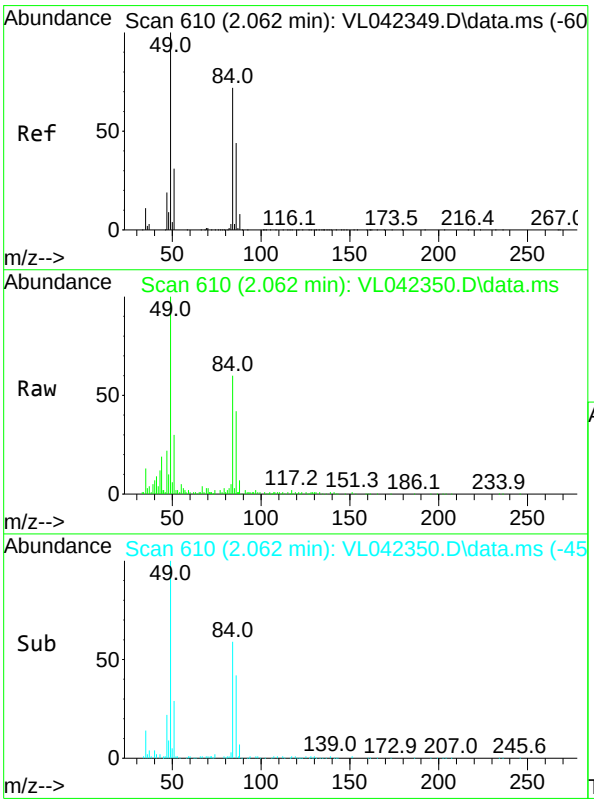
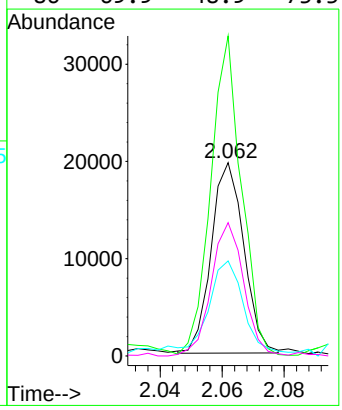
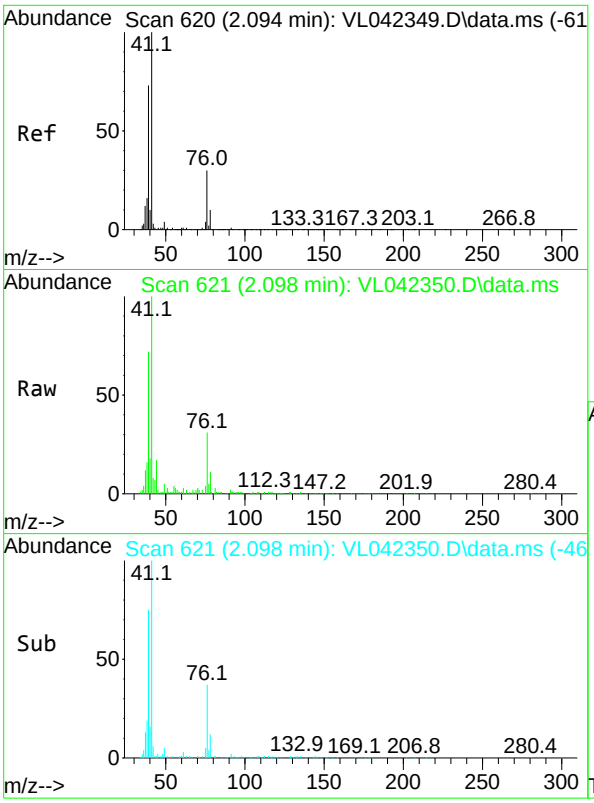


#20
Methylene Chloride
Concen: 1.814 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 84 Resp: 14329

Ion	Ratio	Lower	Upper
84	100		
49	169.1	111.6	167.4#
51	47.9	35.1	52.7
86	69.9	48.9	73.3

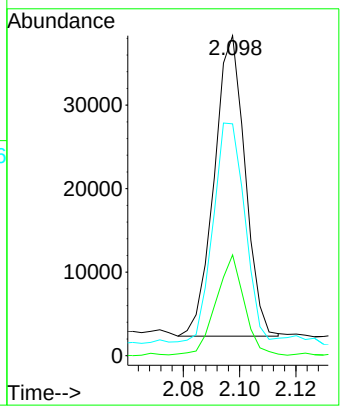




#21
Allyl Chloride
Concen: 1.963 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 41 Resp: 2734

Ion	Ratio	Lower	Upper
41	100		
76	31.9	24.8	37.2
39	81.2	60.6	90.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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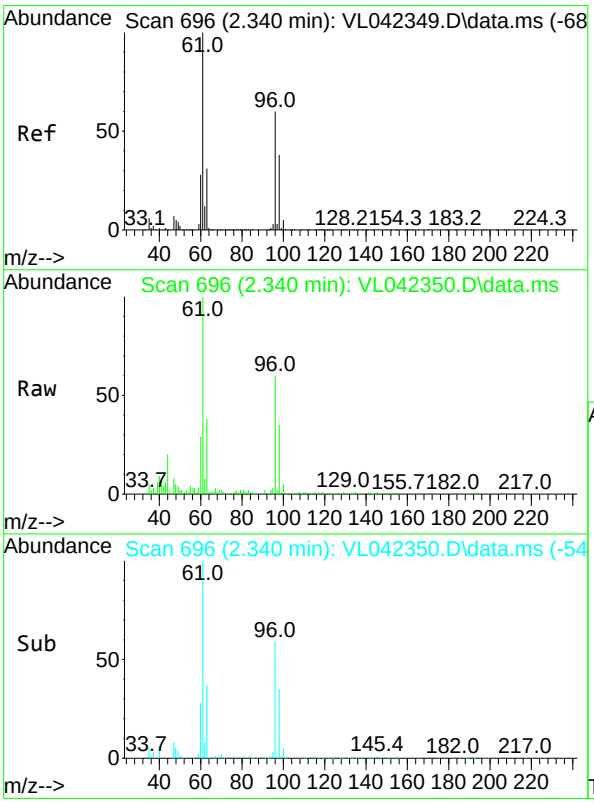
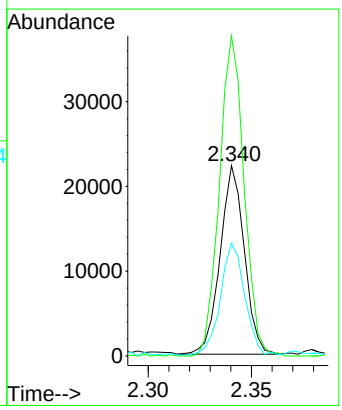
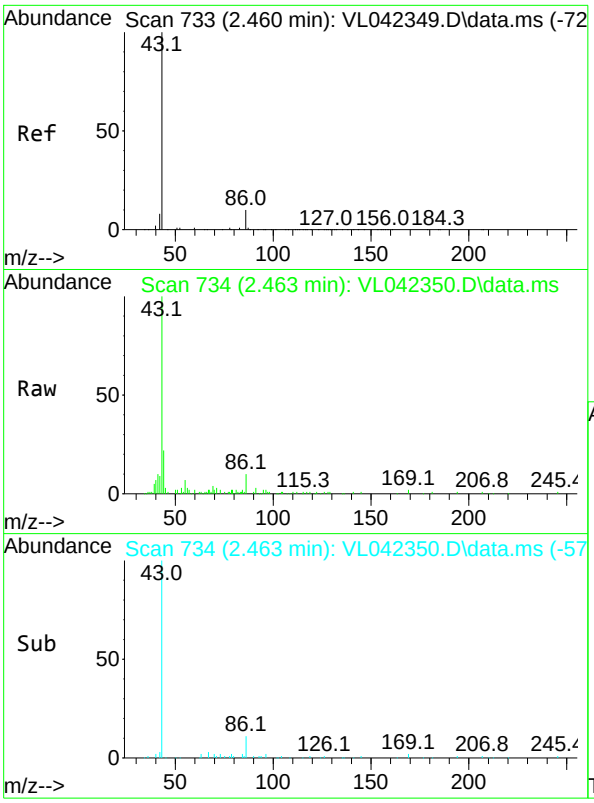


#22
trans-1,2-Dichloroethene
Concen: 2.015 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 96 Resp: 18142

Ion	Ratio	Lower	Upper
96	100		
61	169.6	133.7	200.5
98	59.3	50.3	75.5

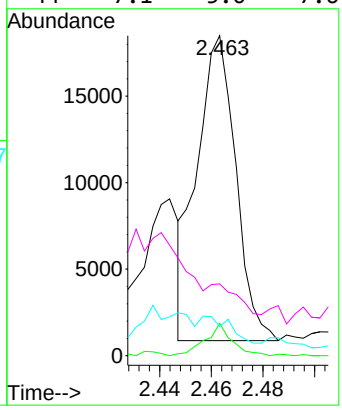




#23
Vinyl Acetate
Concen: 2.260 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 1845

Ion	Ratio	Lower	Upper
43	100		
86	10.2	6.5	9.7#
42	3.7	7.8	11.8#
44	7.1	5.0	7.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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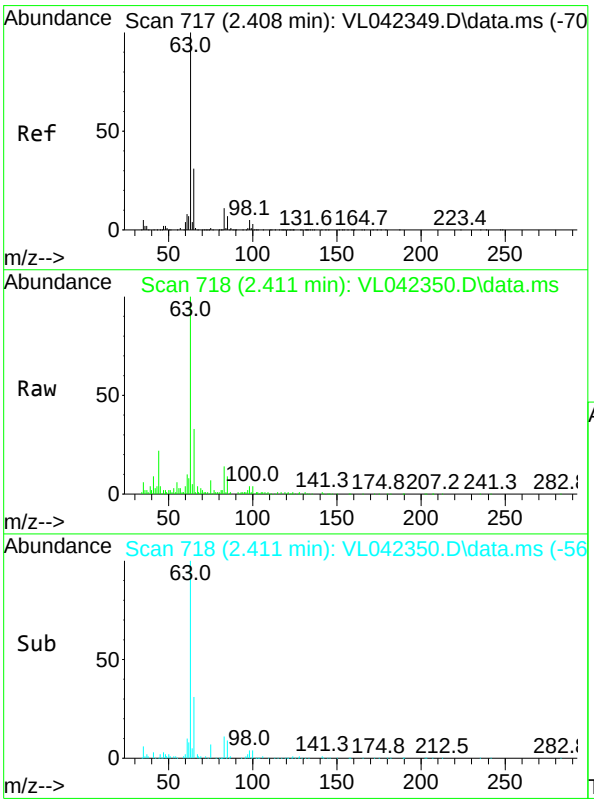
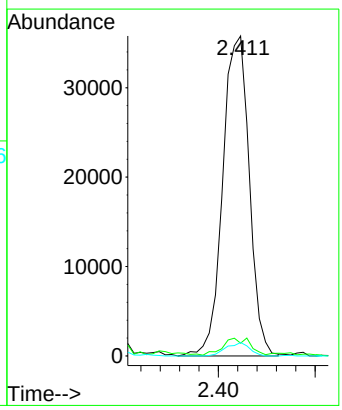
Supervised By :Mahesh Dadoda 04/18/2025

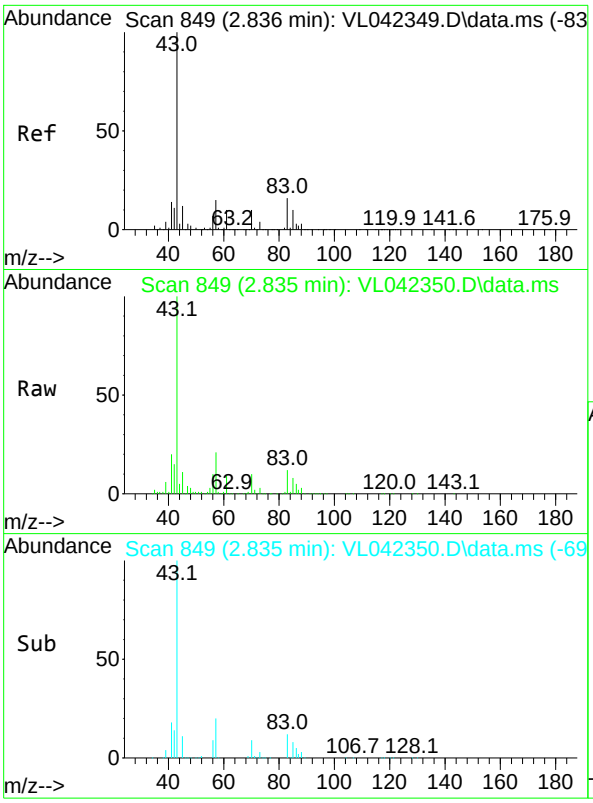


#24
1,1-Dichloroethane
Concen: 1.993 ppbv
RT: 2.411 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 63 Resp: 34077

Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.3	6.8
100	4.2	1.6	4.8

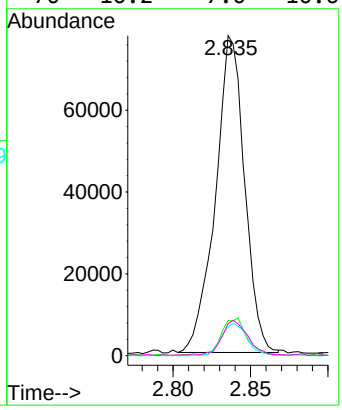




#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 10146

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.2	7.3	10.9
70	10.2	7.0	10.6



Instrument :
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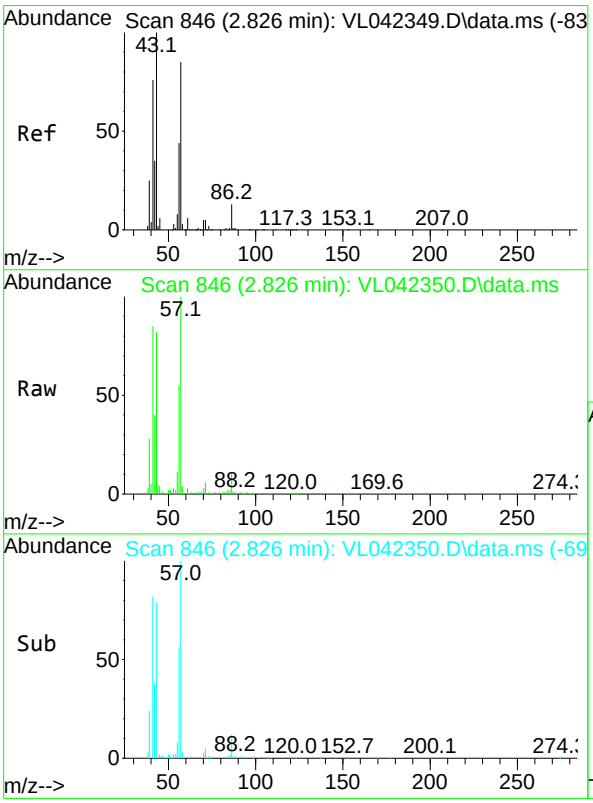
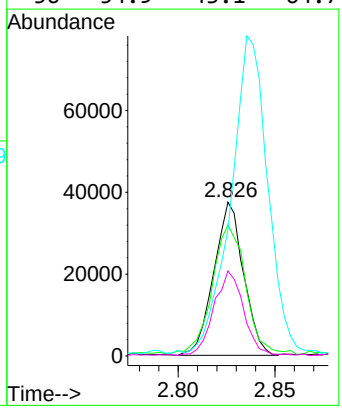
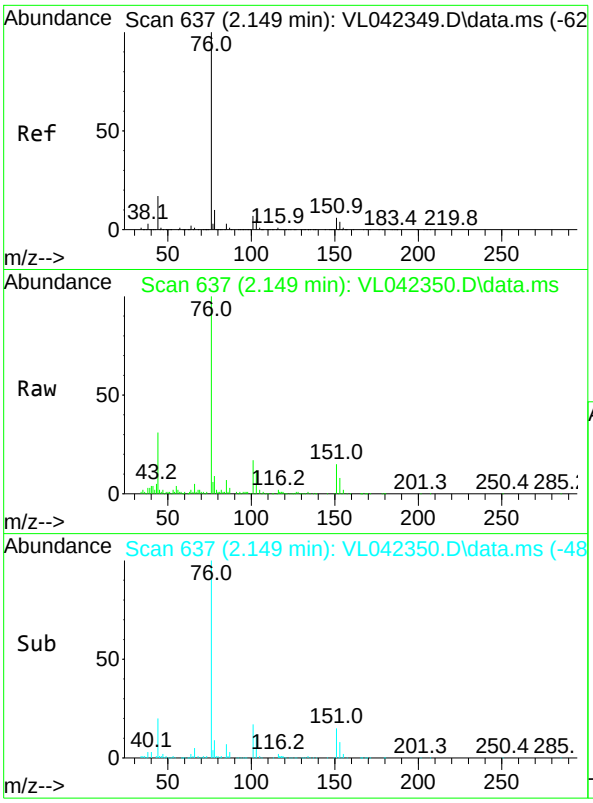


#26
Hexane
Concen: 1.990 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 57 Resp: 40046

Ion	Ratio	Lower	Upper
57	100		
41	94.1	77.9	116.9
43	260.7	208.4	312.6
56	54.9	43.1	64.7

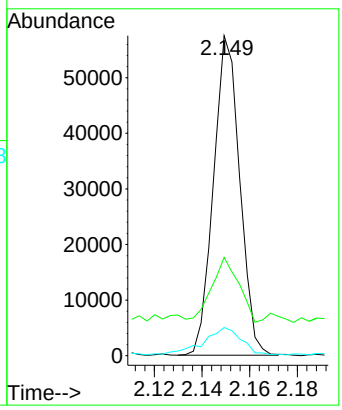




#27
Carbon Disulfide
Concen: 2.041 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 76 Resp: 4397

Ion	Ratio	Lower	Upper
76	100		
44	44.3	15.5	23.3
78	13.6	9.3	13.9



Instrument :
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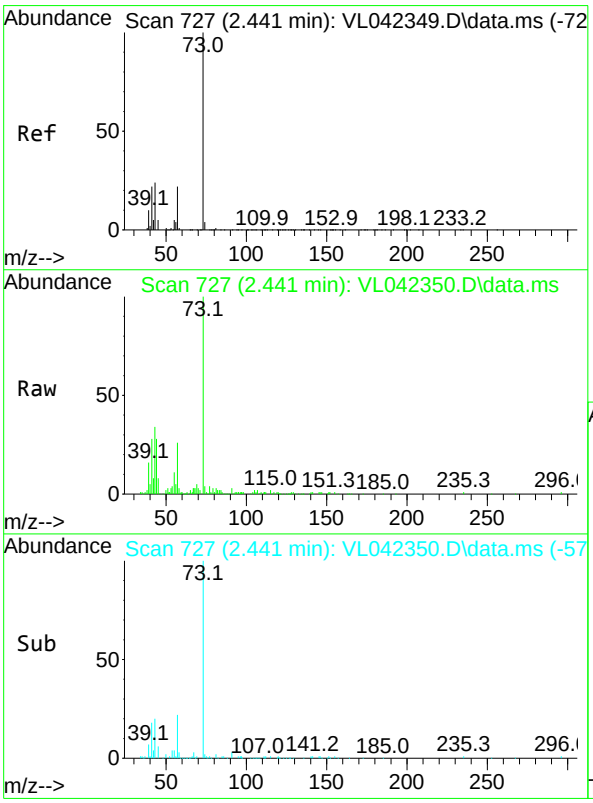
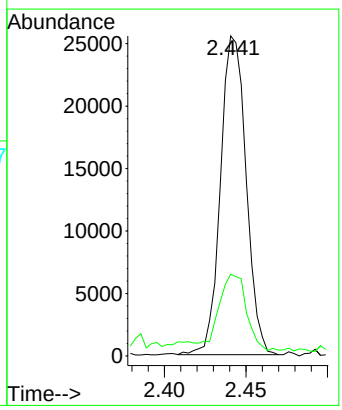
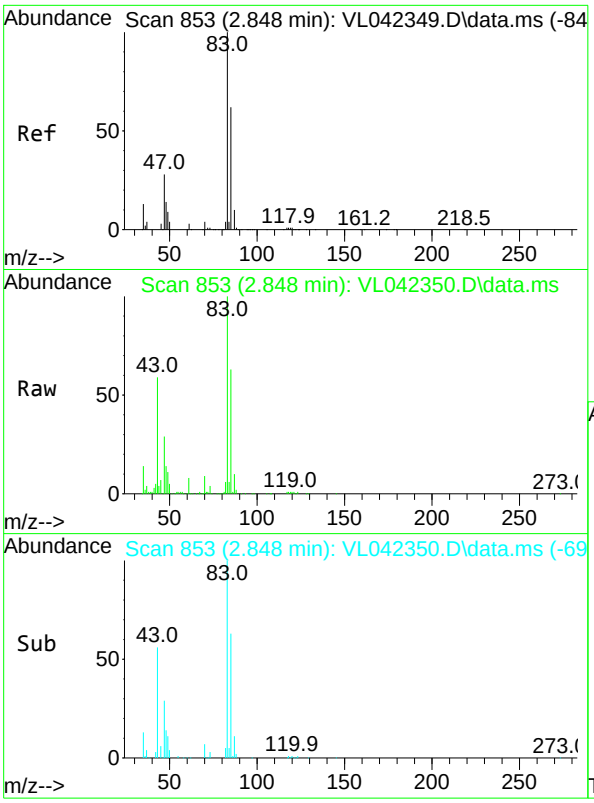


#28
Methyl tert-Butyl Ether
Concen: 2.116 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 73 Resp: 27905

Ion	Ratio	Lower	Upper
73	100		
57	28.1	21.3	31.9

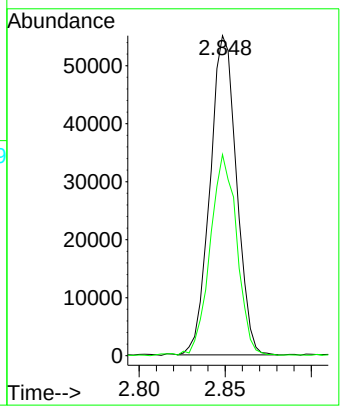




#29
Chloroform
Concen: 2.072 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 83 Resp: 5894

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.0	75.0



Instrument :
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ClientSampleId :
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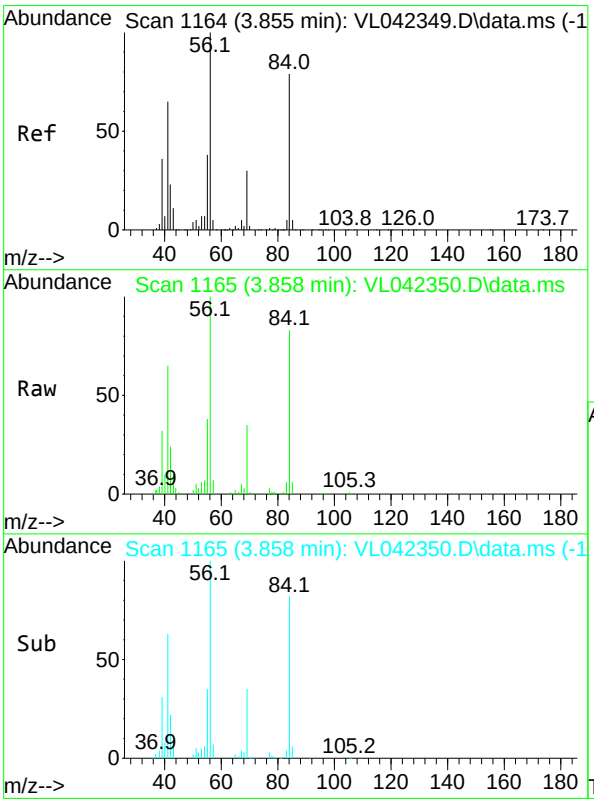
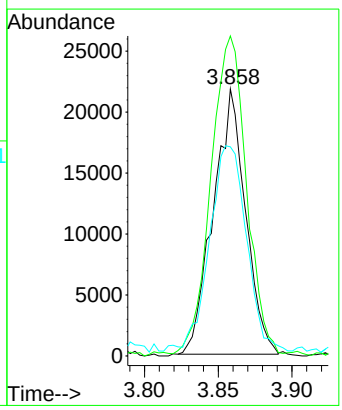
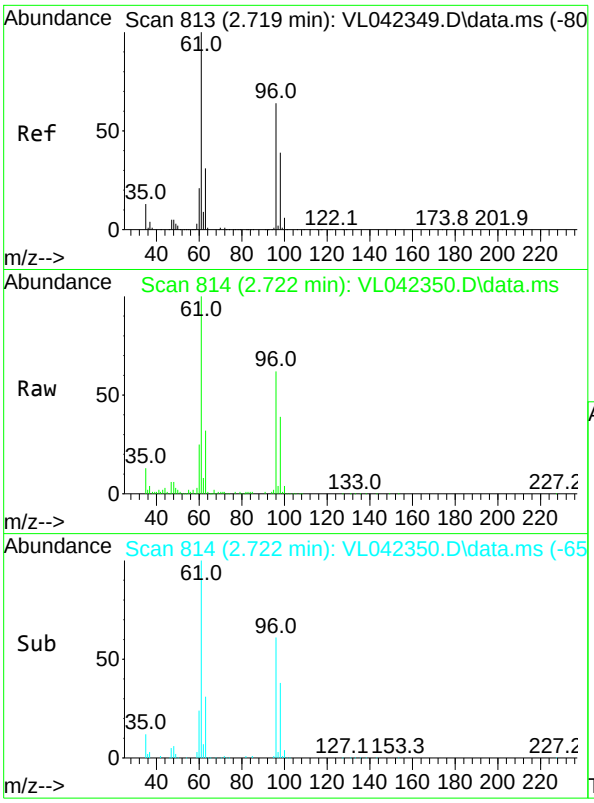


#30
Cyclohexane
Concen: 2.048 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 84 Resp: 33195

Ion	Ratio	Lower	Upper
84	100		
56	134.5	101.0	151.4
41	88.1	67.4	101.0

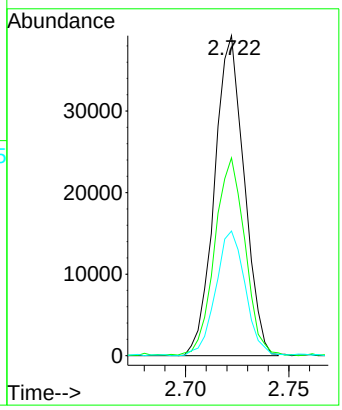




#31
cis-1,2-Dichloroethene
Concen: 2.051 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 61 Resp: 3924

Ion	Ratio	Lower	Upper
61	100		
96	61.6	50.8	76.2
98	39.0	30.9	46.3



Instrument :
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ClientSampleId :
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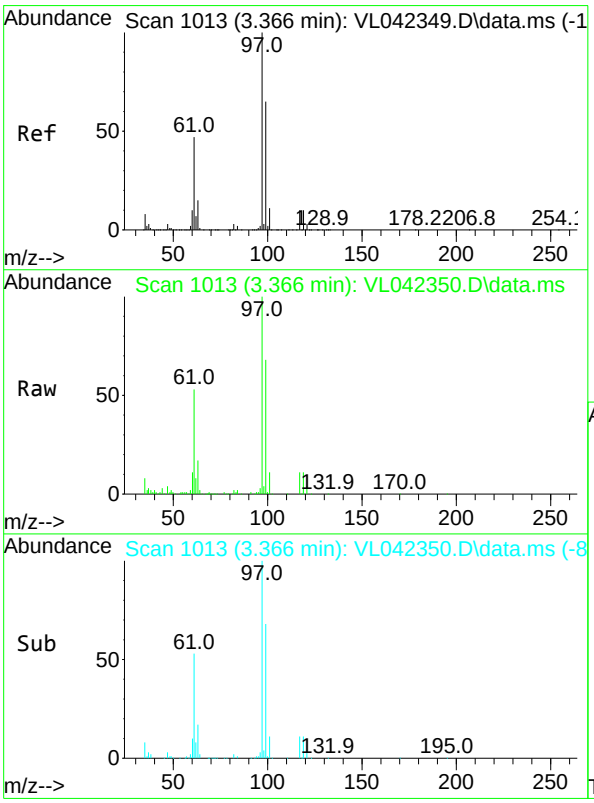
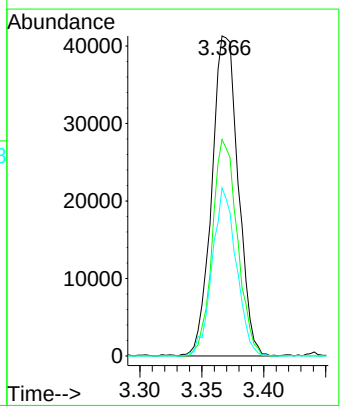
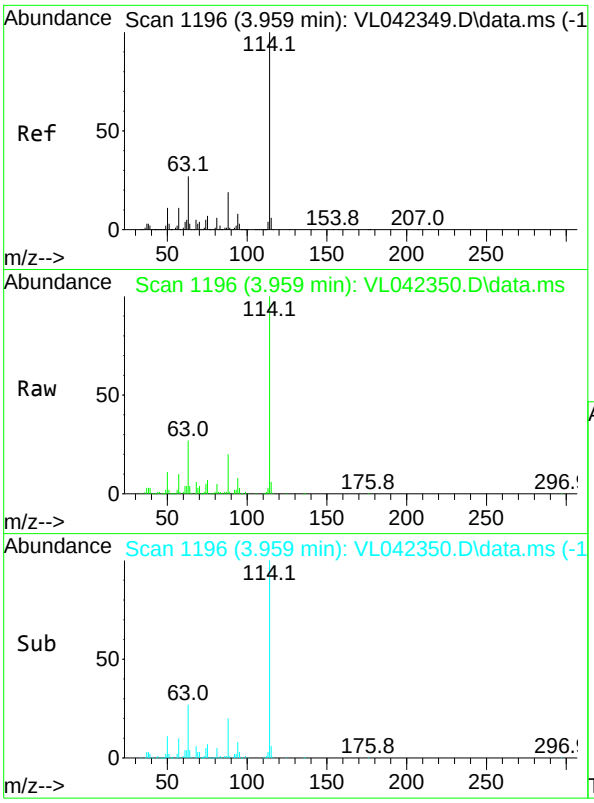


#32
1,1,1-Trichloroethane
Concen: 2.014 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 97 Resp: 61442

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	48.0	38.8	58.2

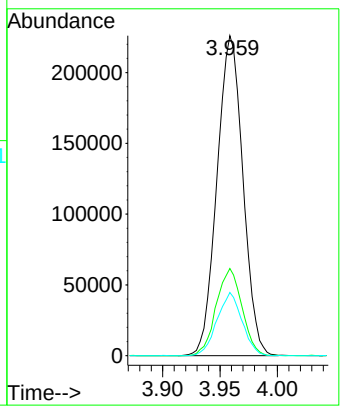




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:114 Resp: 35591

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.8	32.6
88	19.0	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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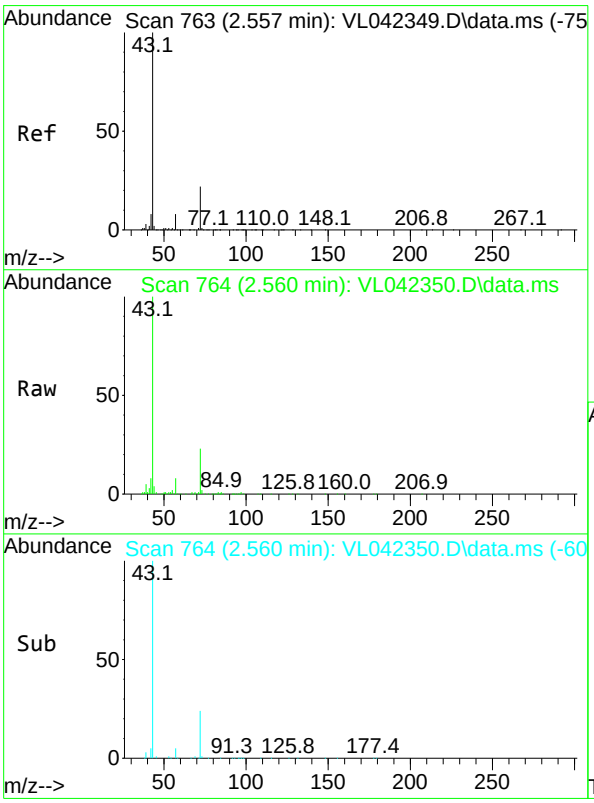
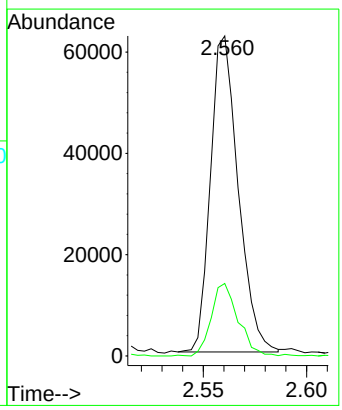
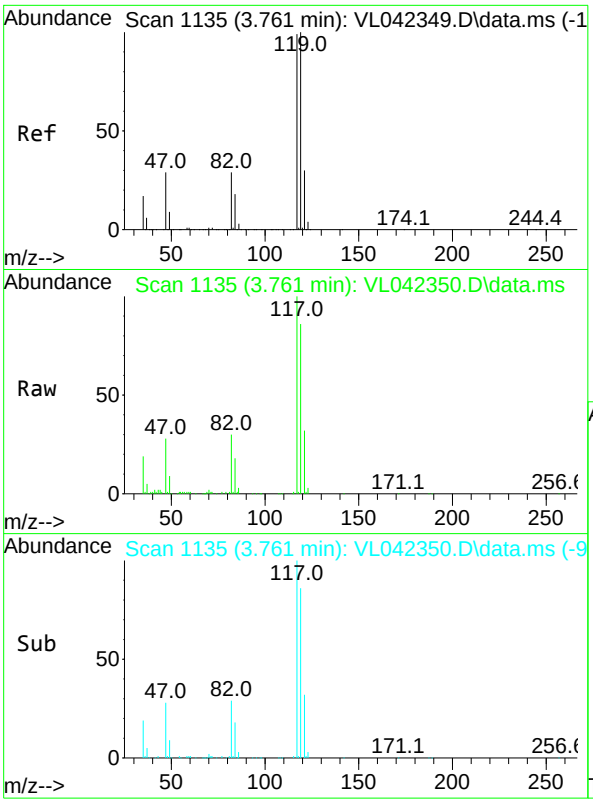


#34
2-Butanone
Concen: 2.069 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 58249

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.2	27.2

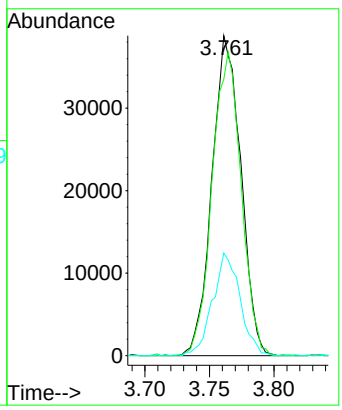




#35
Carbon Tetrachloride
Concen: 1.872 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:117 Resp: 6029

Ion	Ratio	Lower	Upper
117	100		
119	86.4	80.5	120.7
121	32.1	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
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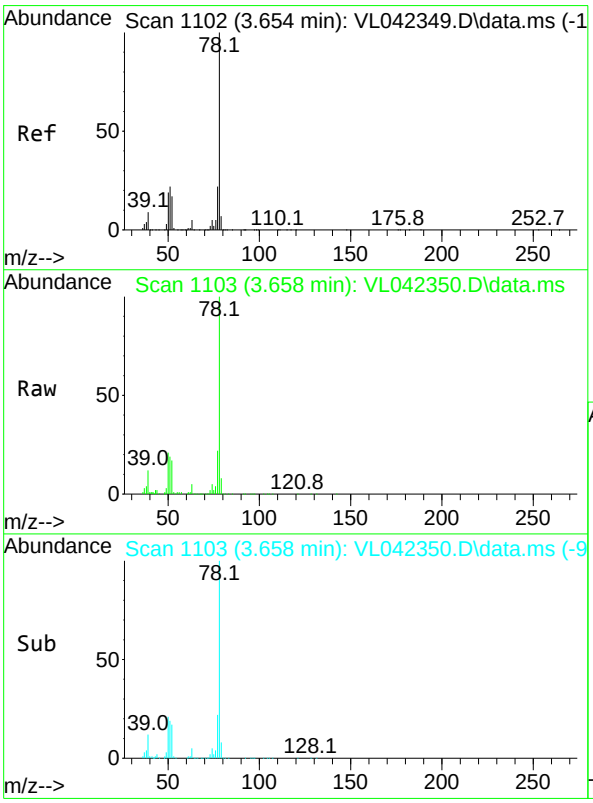
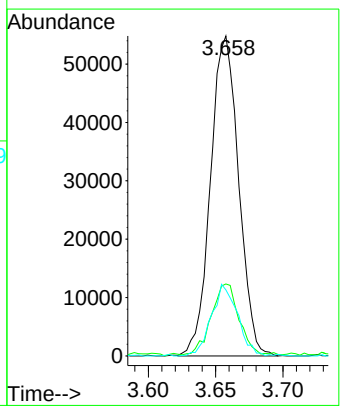
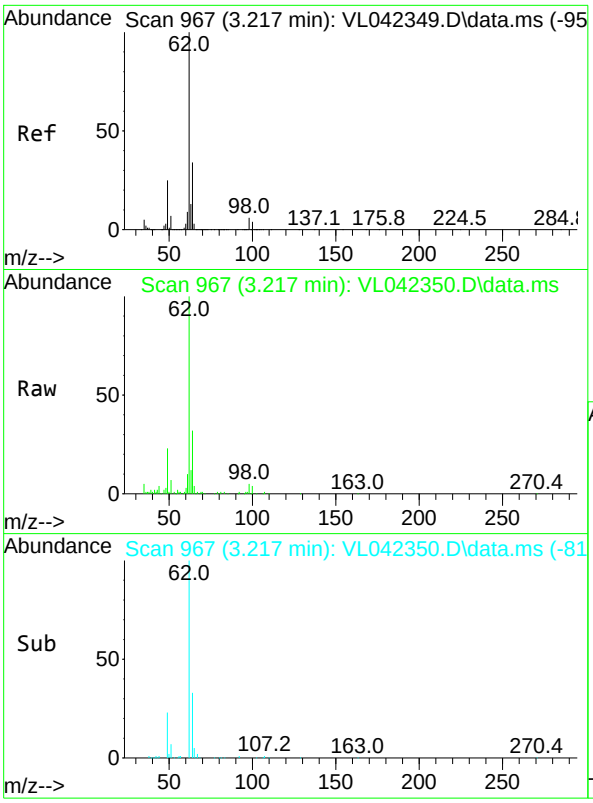


#36
Benzene
Concen: 2.079 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 78 Resp: 79814

Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.4	26.0
50	20.6	15.5	23.3

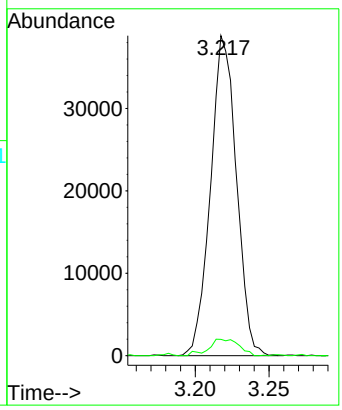




#37
1,2-Dichloroethane
Concen: 2.057 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 62 Resp: 4739

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.1	7.7



Instrument :
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ClientSampleId :
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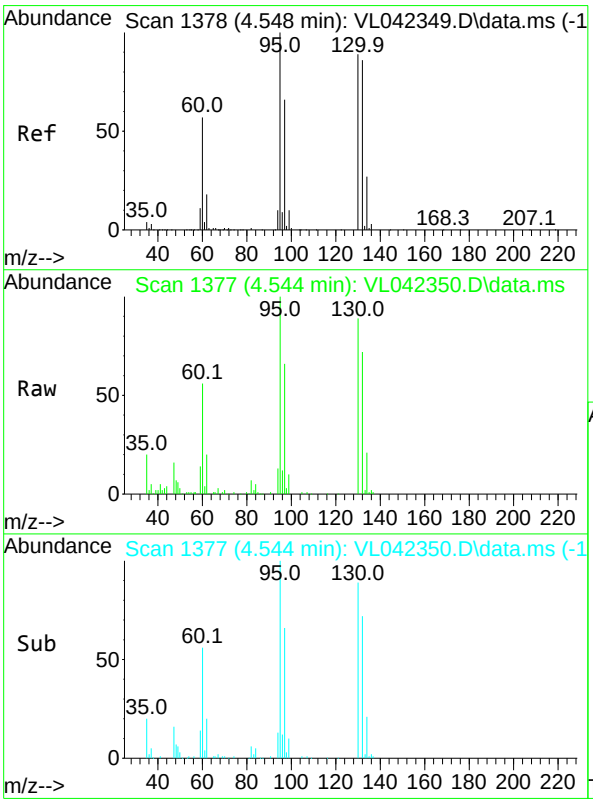
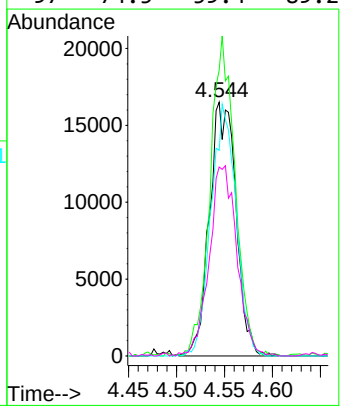
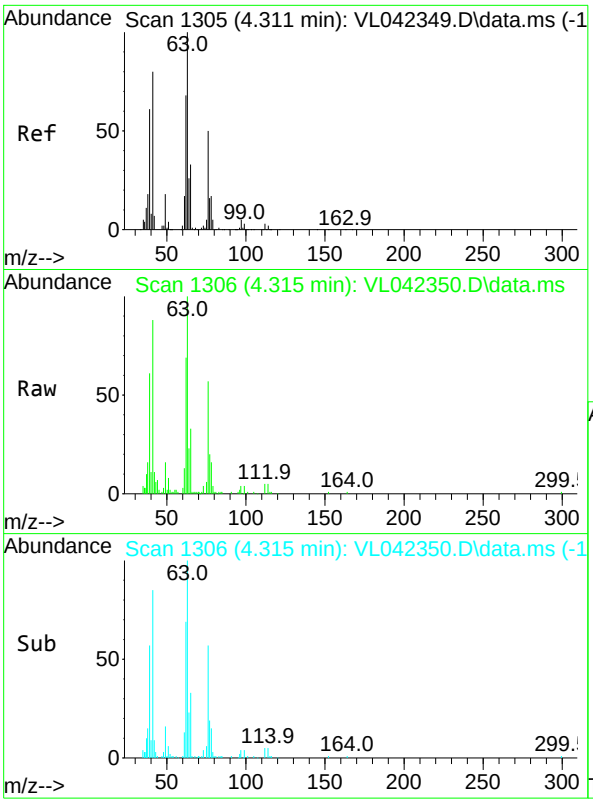


#38
Trichloroethene
Concen: 1.891 ppbv m
RT: 4.544 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:130 Resp: 31826

Ion	Ratio	Lower	Upper
130	100		
95	112.6	89.8	134.6
132	81.1	77.7	116.5
97	74.5	59.4	89.2

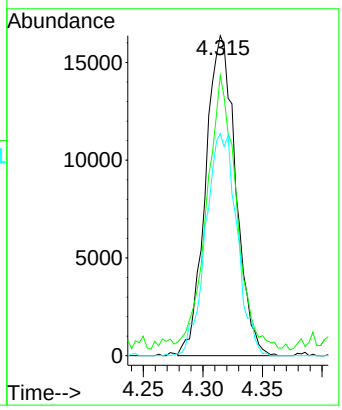




#39
1,2-Dichloropropane
Concen: 2.012 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 63 Resp: 2880

Ion	Ratio	Lower	Upper
63	100		
41	85.2	64.2	96.2
62	69.4	54.3	81.5



Instrument :
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ClientSampleId :
VSTDICC002

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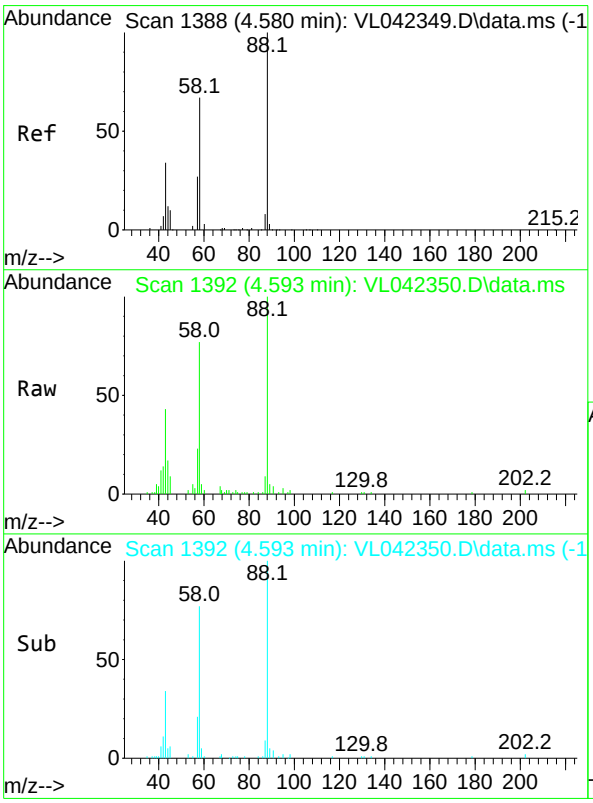
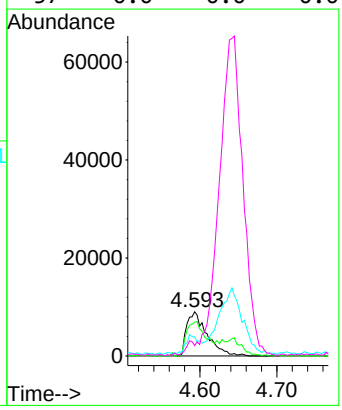
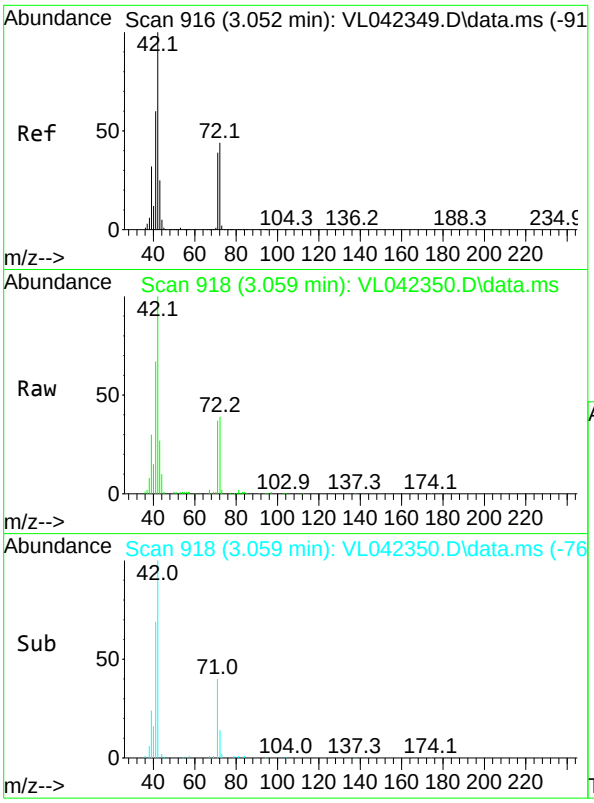


#40
1,4-Dioxane
Concen: 2.133 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.013 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 88 Resp: 16536

Ion	Ratio	Lower	Upper
88	100		
58	82.3	61.4	92.0
43	6.1	23.2	34.8#
57	0.0	0.0	0.0

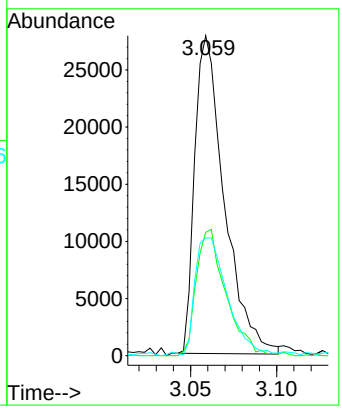




#41
Tetrahydrofuran
Concen: 2.047 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 42 Resp: 3329

Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.3	48.5
71	41.5	31.4	47.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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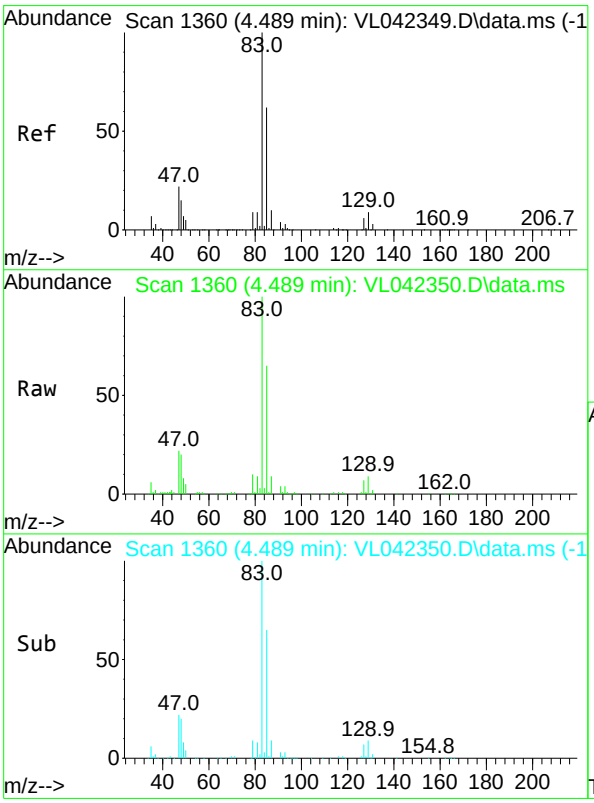
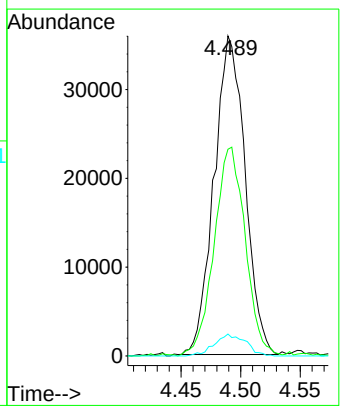
Supervised By :Mahesh Dadoda 04/18/2025

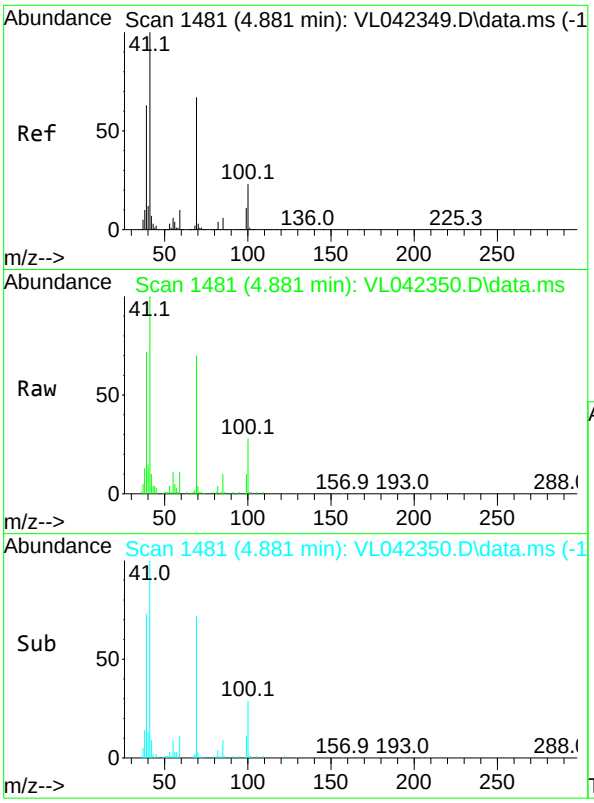


#42
Bromodichloromethane
Concen: 2.025 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 83 Resp: 64941

Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.7	74.5
127	6.9	5.1	7.7

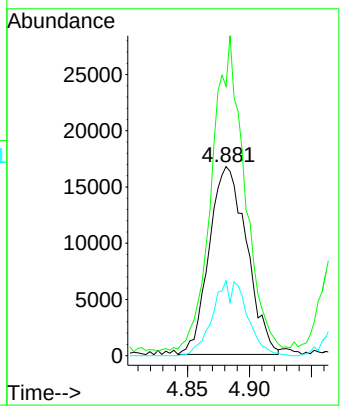




#43
Methyl Methacrylate
Concen: 2.046 ppbv
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 69 Resp: 3525

Ion	Ratio	Lower	Upper
69	100		
41	144.4	118.6	177.8
100	36.5	28.2	42.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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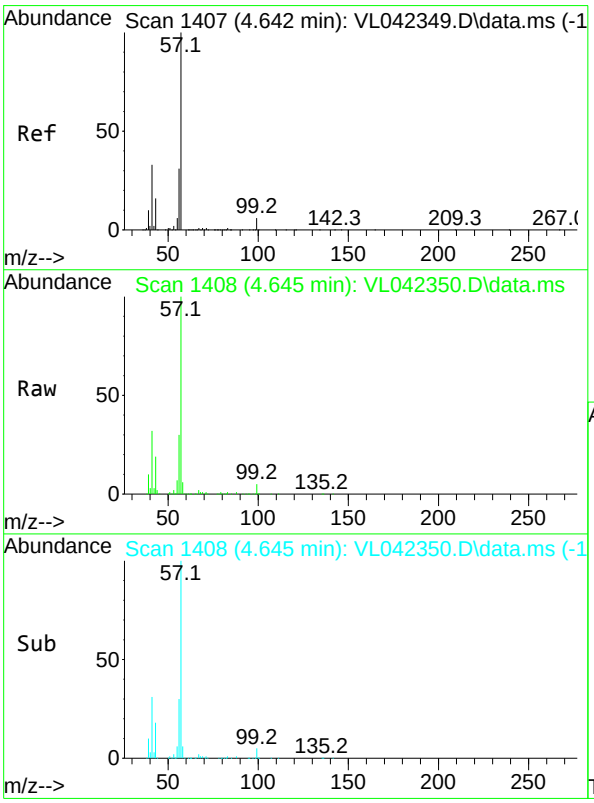
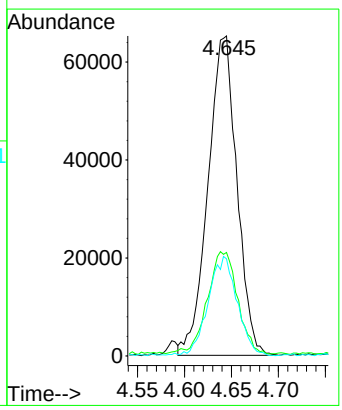
Supervised By :Mahesh Dadoda 04/18/2025

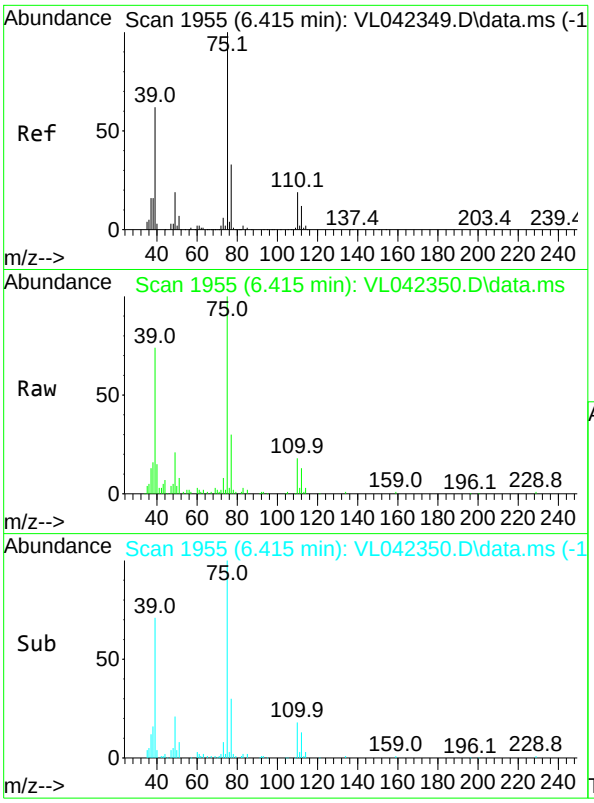


#44
2,2,4-Trimethylpentane
Concen: 2.103 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 57 Resp: 139641

Ion	Ratio	Lower	Upper
57	100		
41	34.4	27.2	40.8
56	31.3	25.7	38.5

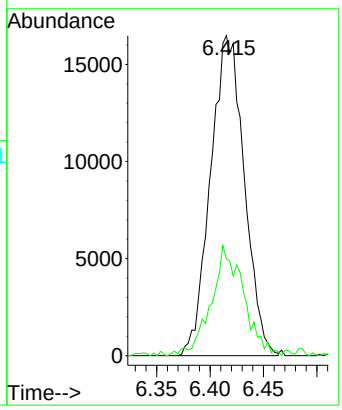




#45
t-1,3-Dichloropropene
Concen: 2.050 ppbv
RT: 6.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 75 Resp: 3626

Ion	Ratio	Lower	Upper
75	100		
77	30.4	27.0	40.6



Instrument :
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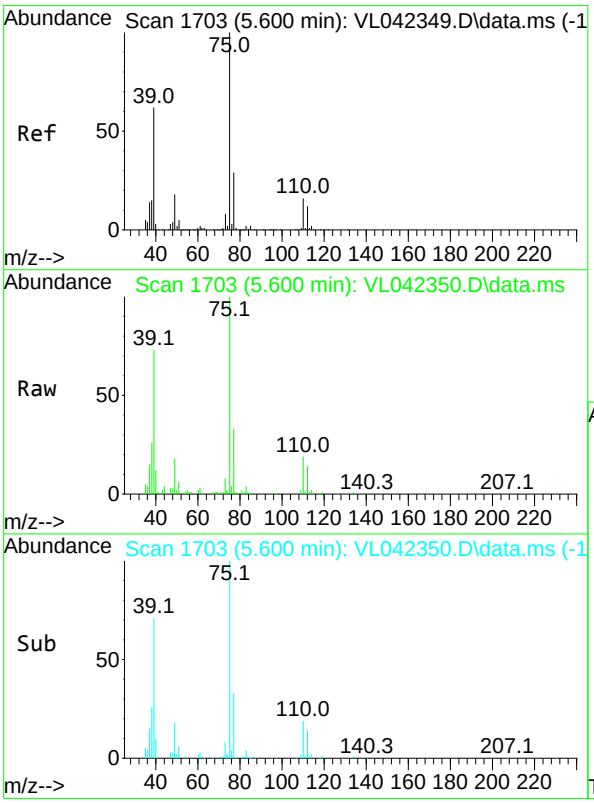
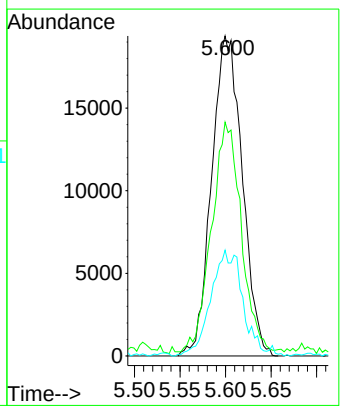
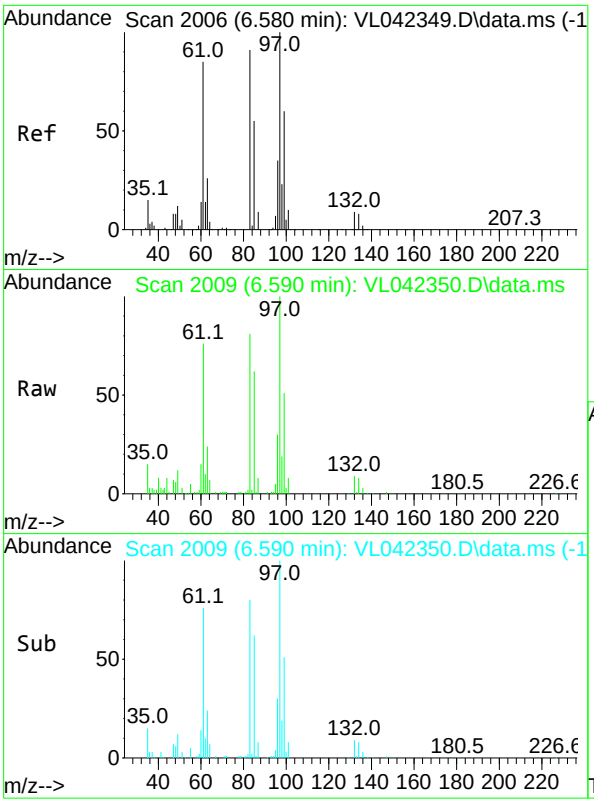


#46
cis-1,3-Dichloropropene
Concen: 2.096 ppbv m
RT: 5.600 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 75 Resp: 45327

Ion	Ratio	Lower	Upper
75	100		
39	73.0	50.0	75.0
77	33.1	23.0	34.6

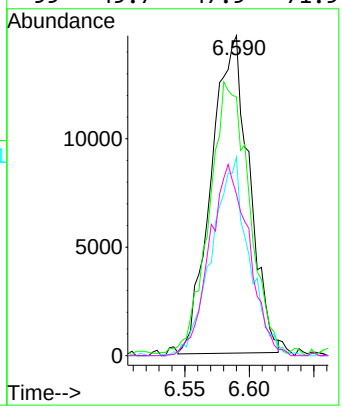




#47
1,1,2-Trichloroethane
Concen: 2.049 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 97 Resp: 2987

Ion	Ratio	Lower	Upper
97	100		
83	78.8	72.8	109.2
85	61.7	44.2	66.4
99	49.7	47.9	71.9



Instrument :
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ClientSampleId :
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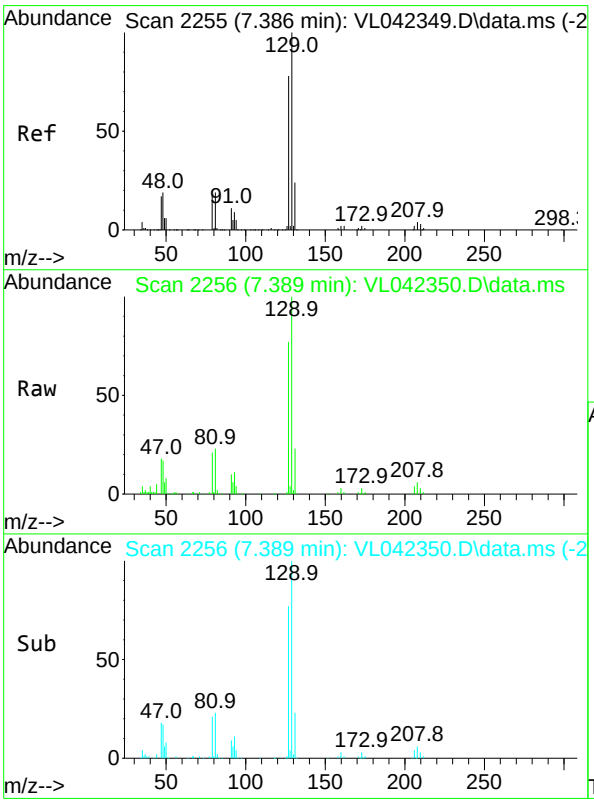
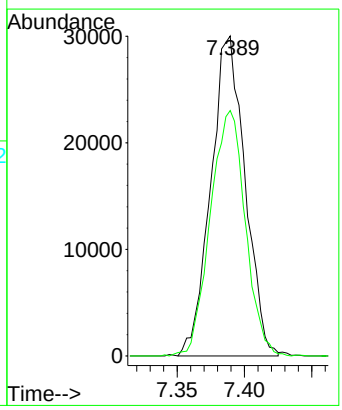
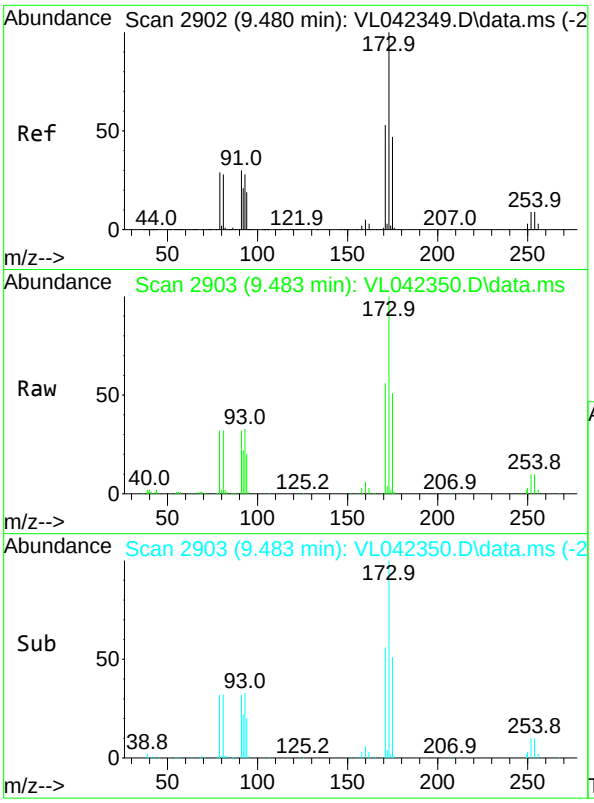


#48
Dibromochloromethane
Concen: 2.061 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:129 Resp: 53069

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3

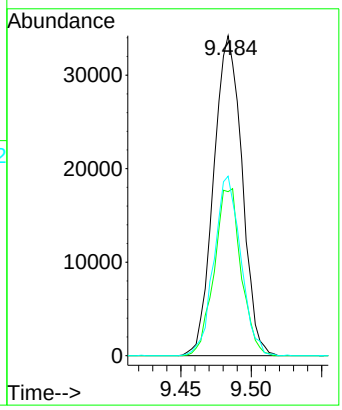




#49
Bromoform
Concen: 2.135 ppbv
RT: 9.483 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:173 Resp: 4806

Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.2	57.2
171	53.0	40.9	61.3



Instrument :
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ClientSampleId :
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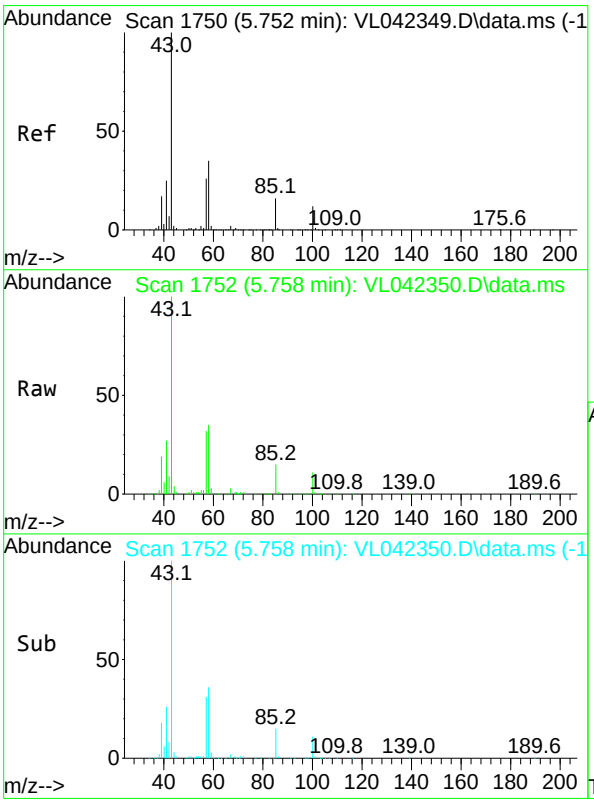
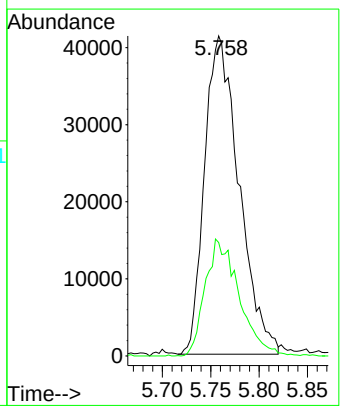
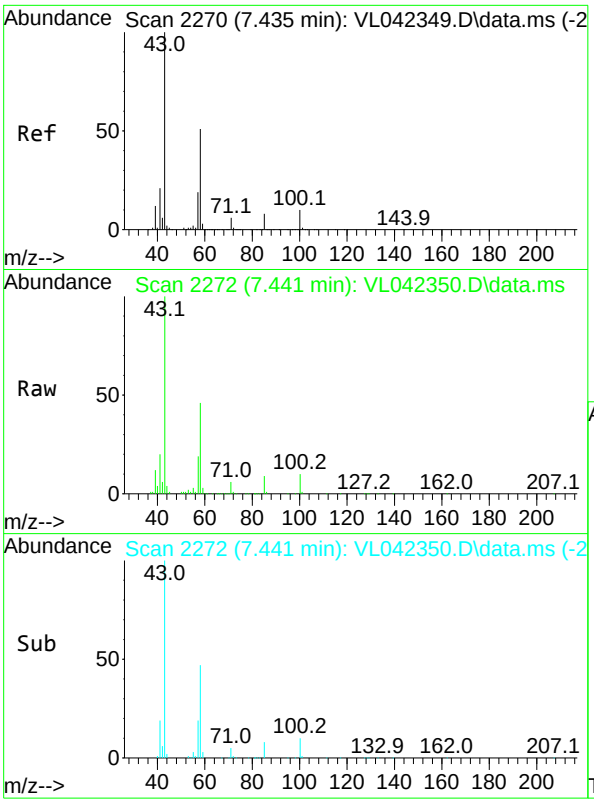


#50
4-Methyl-2-Pentanone
Concen: 2.180 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 102182

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.6	43.0

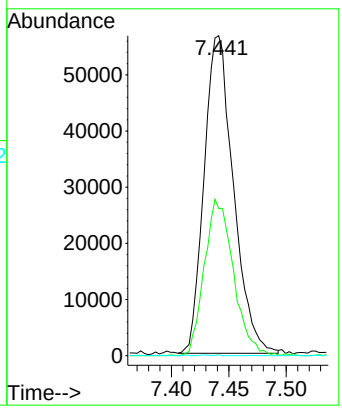




#51
2-Hexanone
Concen: 2.375 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 10044

Ion	Ratio	Lower	Upper
43	100		
58	49.0	40.2	60.4
98	0.1	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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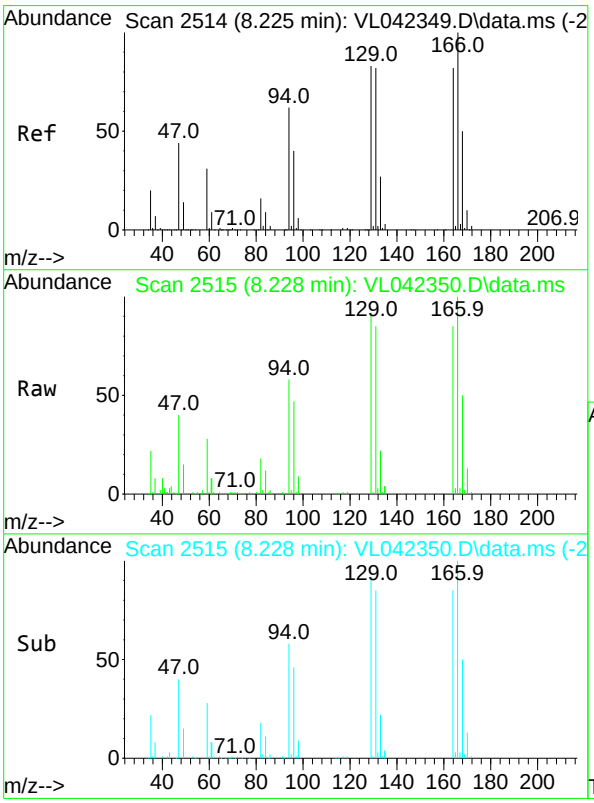
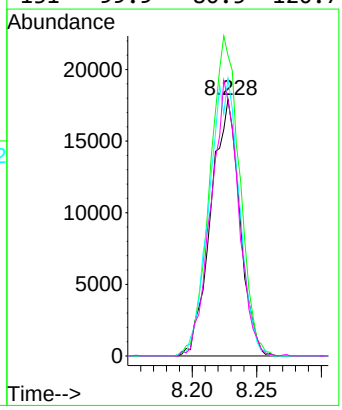
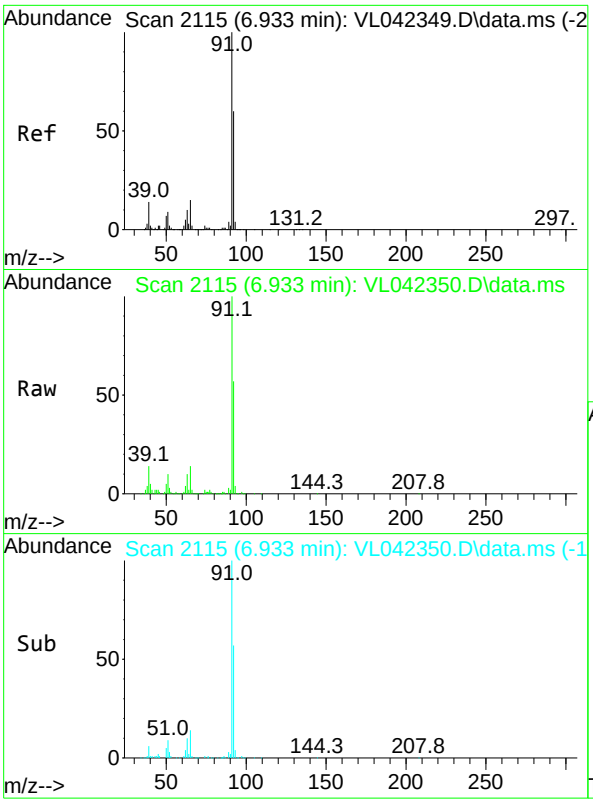


#52
Tetrachloroethene
Concen: 1.877 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:164 Resp: 27854

Ion	Ratio	Lower	Upper
164	100		
166	117.2	98.2	147.2
129	108.2	81.8	122.8
131	99.9	80.5	120.7

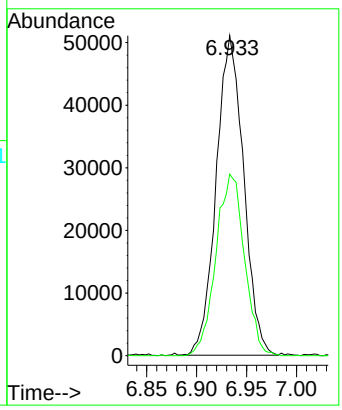




#53
Toluene
Concen: 2.116 ppbv
RT: 6.933 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 9749

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
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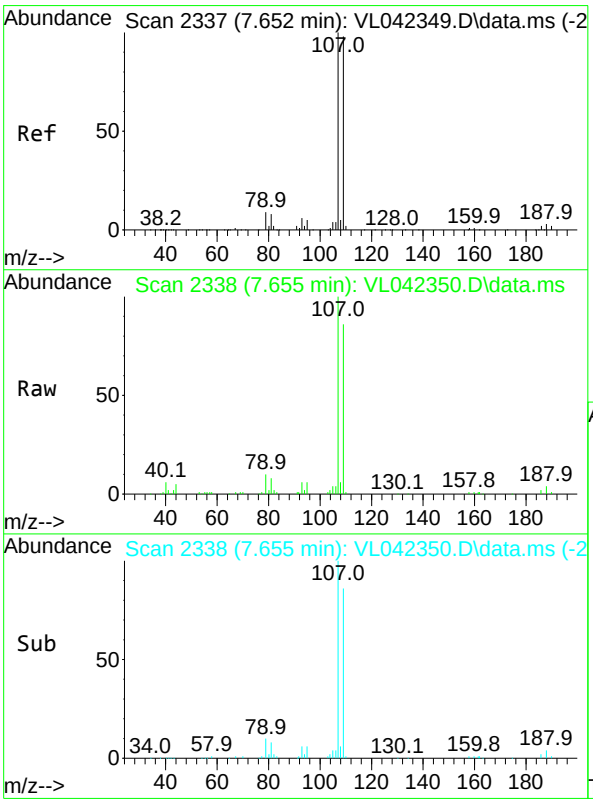
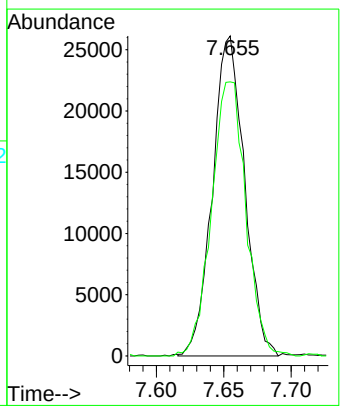
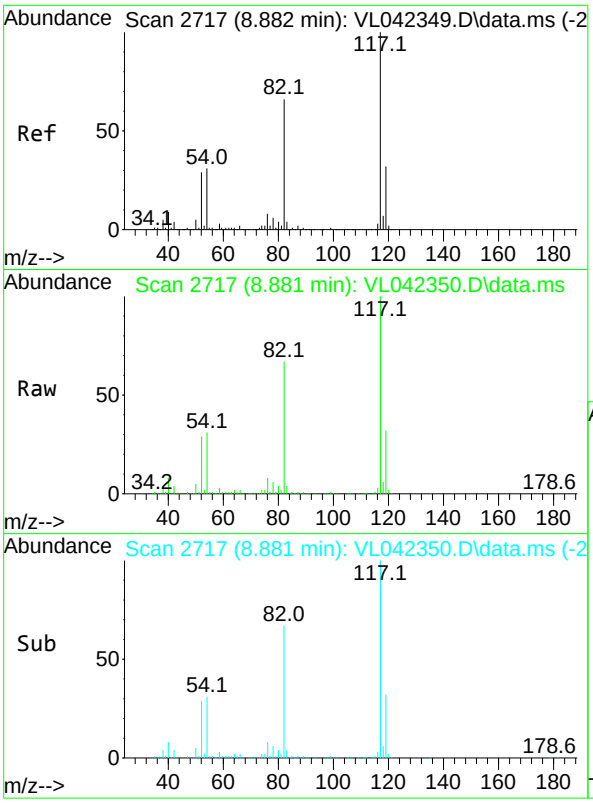


#54
1,2-Dibromoethane
Concen: 2.076 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:107 Resp: 43153

Ion	Ratio	Lower	Upper
107	100		
109	84.5	78.2	117.4

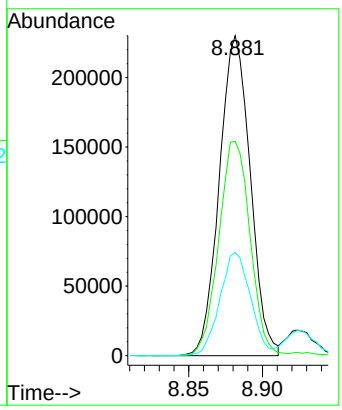




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:117 Resp: 33560

Ion	Ratio	Lower	Upper
117	100		
82	68.8	57.8	86.6
119	32.2	25.2	37.8



Instrument :
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ClientSampleId :
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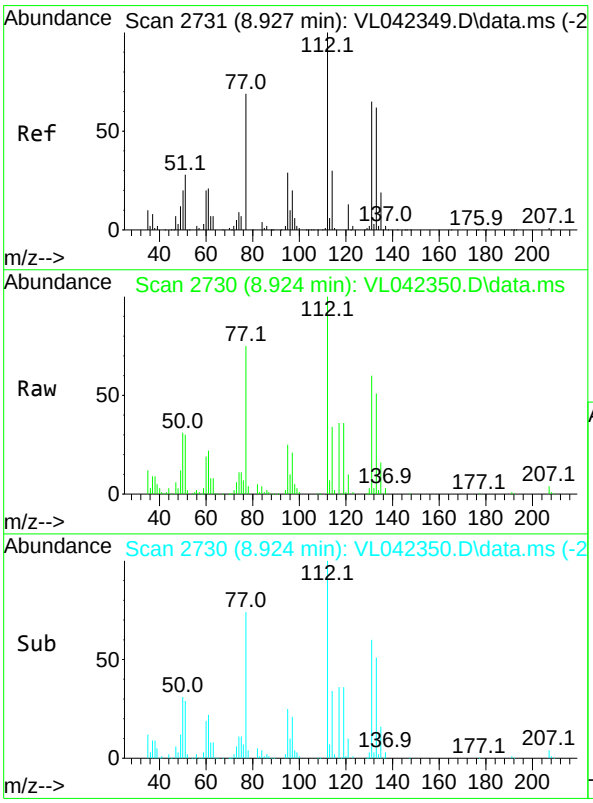
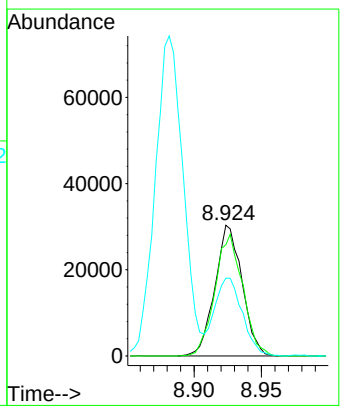
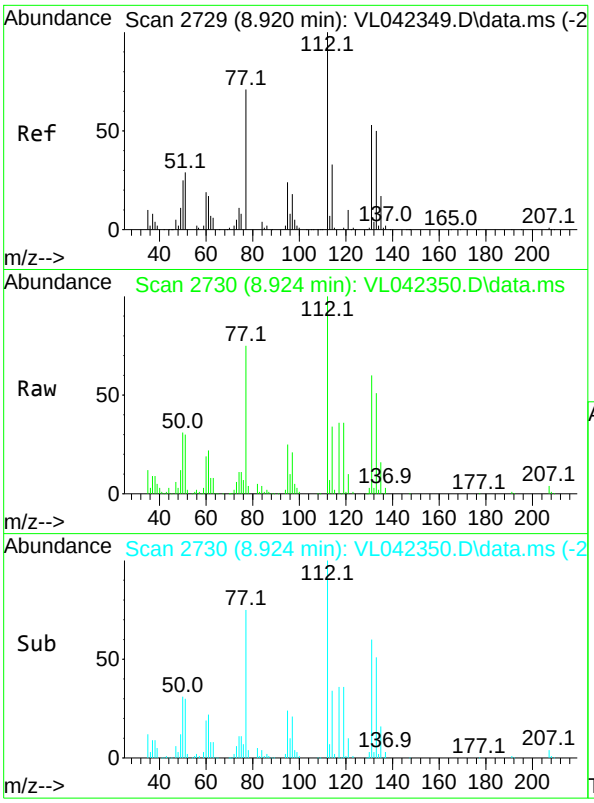


#56
1,1,1,2-Tetrachloroethane
Concen: 2.097 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:131 Resp: 42601

Ion	Ratio	Lower	Upper
131	100		
133	95.3	78.3	117.5
119	53.8	48.7	73.1

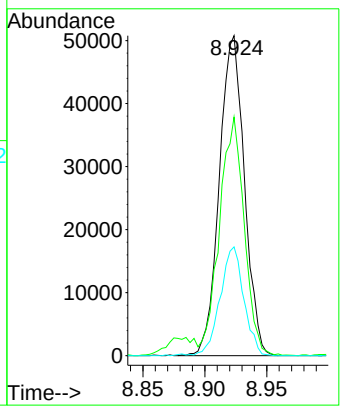




#57
Chlorobenzene
Concen: 2.054 ppbv
RT: 8.924 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:112 Resp: 7168

Ion	Ratio	Lower	Upper
112	100		
77	74.0	57.8	86.6
114	34.0	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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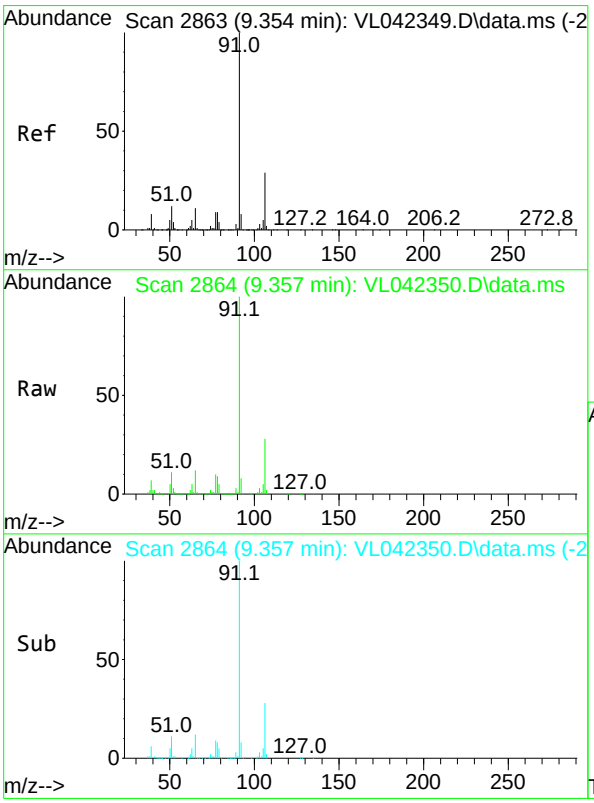
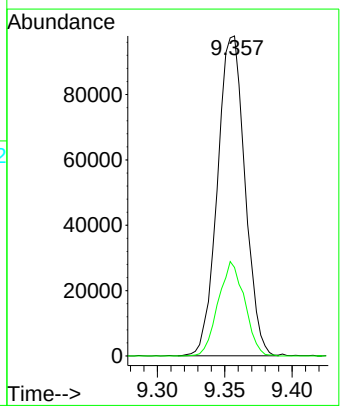
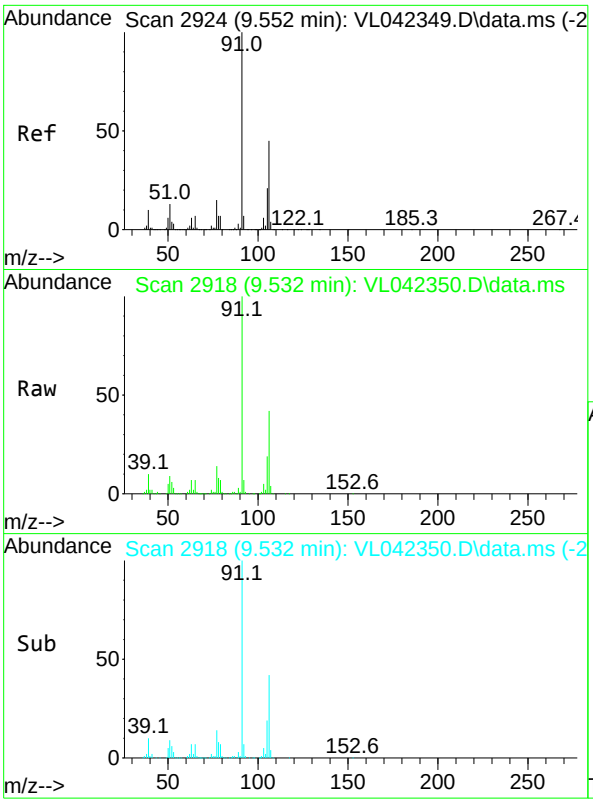


#58
Ethyl Benzene
Concen: 2.088 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 138810

Ion	Ratio	Lower	Upper
91	100		
106	27.7	23.0	34.4





#59
m/p-Xylene
Concen: 4.142 ppbv m
RT: 9.532 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 22254

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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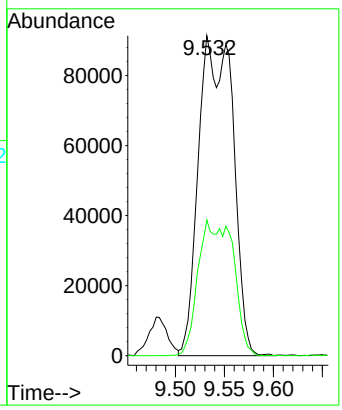
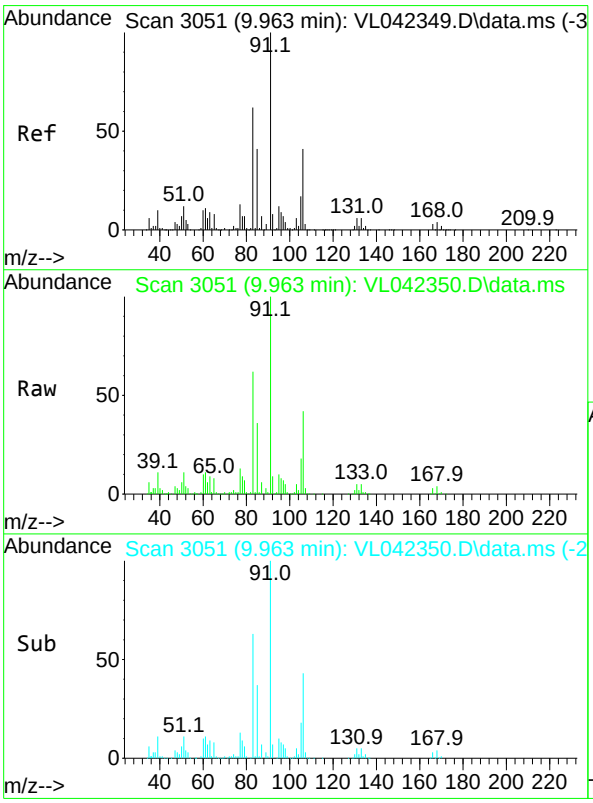
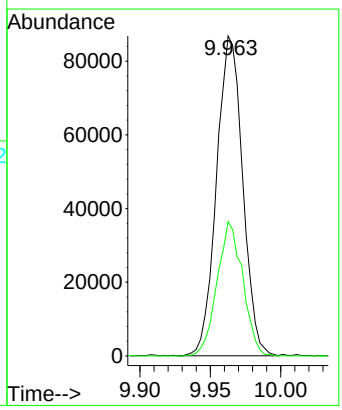


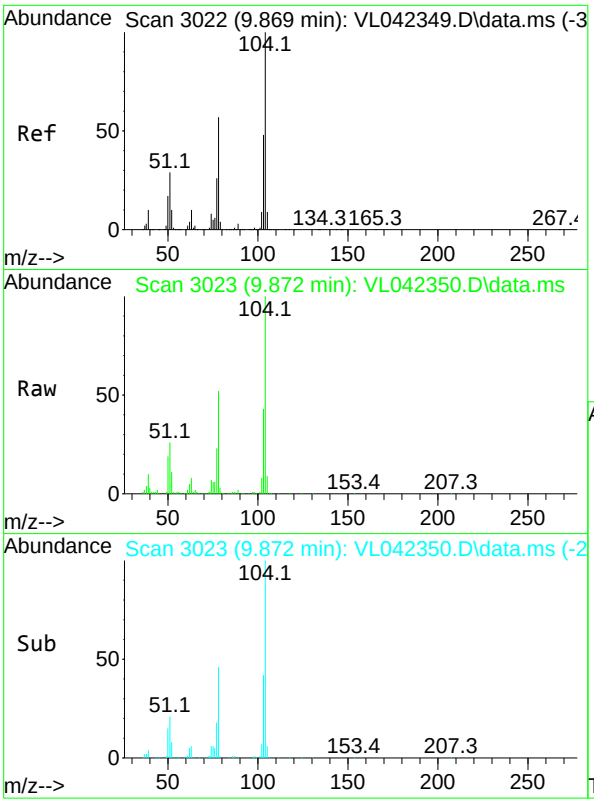


#60
o-Xylene
Concen: 2.076 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 111972

Ion	Ratio	Lower	Upper
91	100		
106	41.2	21.1	63.4

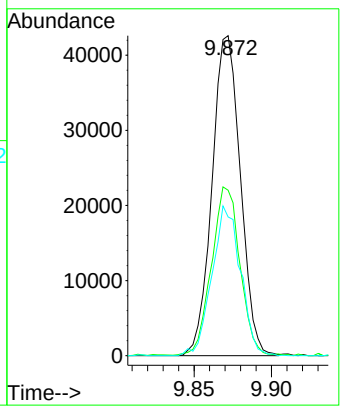




#61
Styrene
Concen: 2.106 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:104 Resp: 5422

Ion	Ratio	Lower	Upper
104	100		
78	53.4	44.6	66.8
103	47.1	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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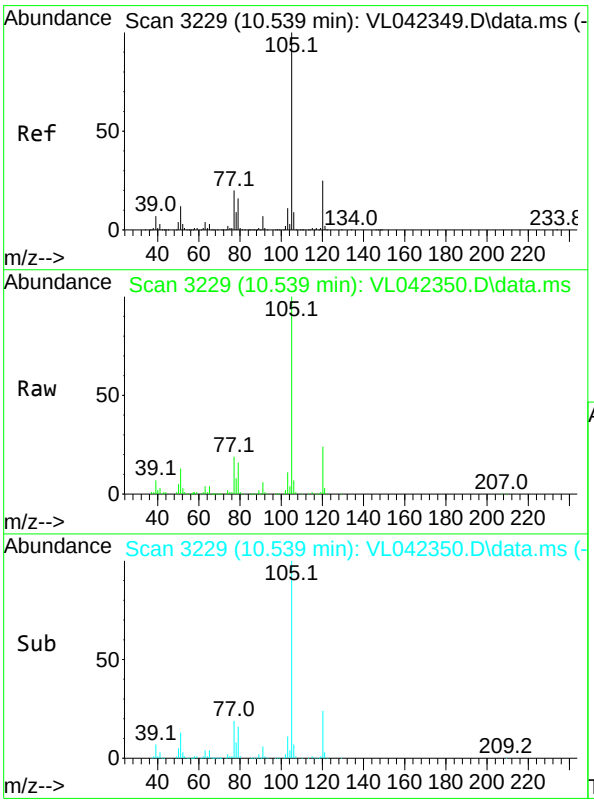
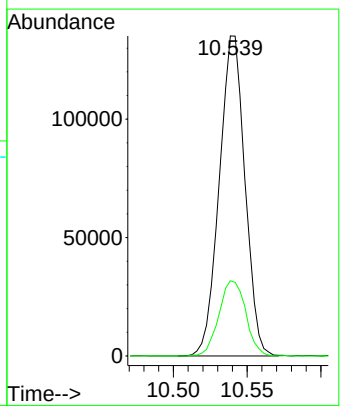
Supervised By :Mahesh Dadoda 04/18/2025

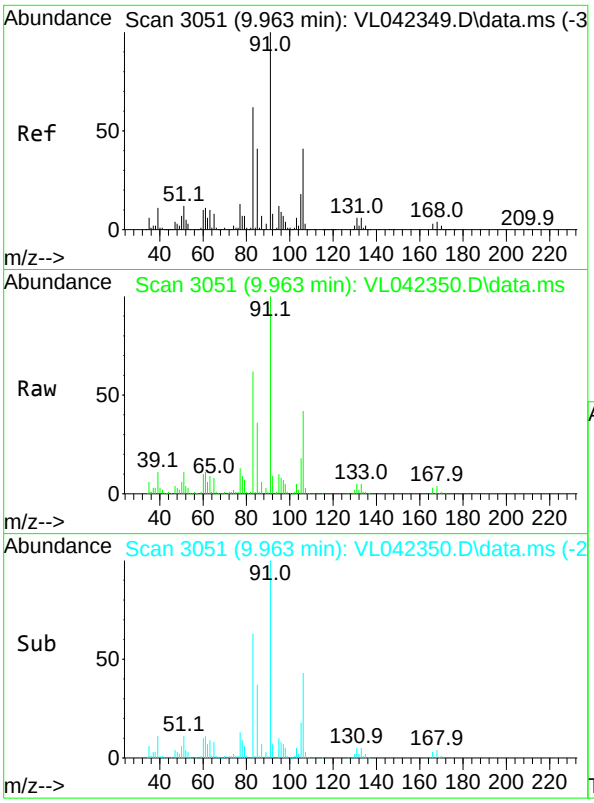


#62
Isopropylbenzene
Concen: 2.067 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 163716

Ion	Ratio	Lower	Upper
105	100		
120	24.6	19.8	29.8

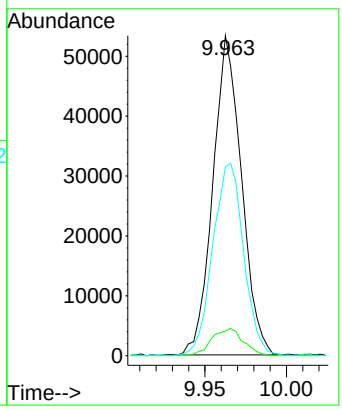




#63
1,1,2,2-Tetrachloroethane
Concen: 1.853 ppbv
RT: 9.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 83 Resp: 6495

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	65.4	32.4	97.0



Instrument :
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VSTDICC002

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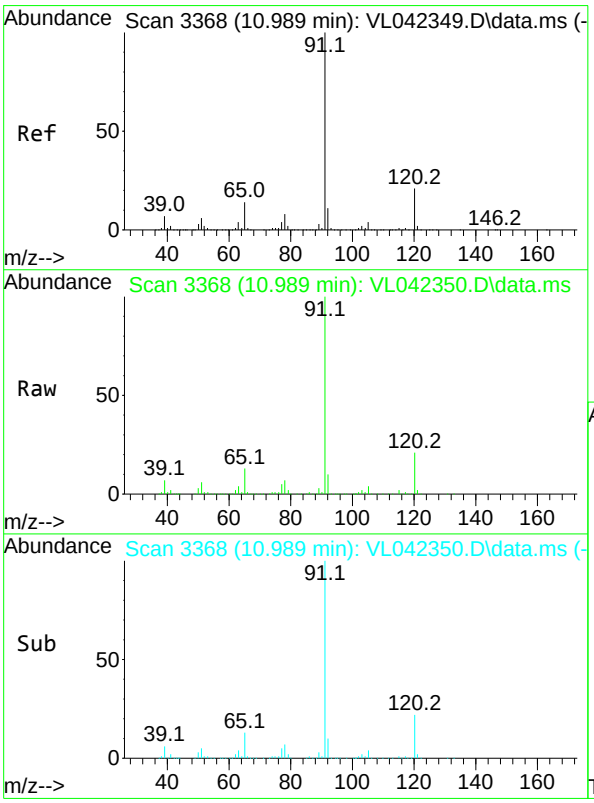
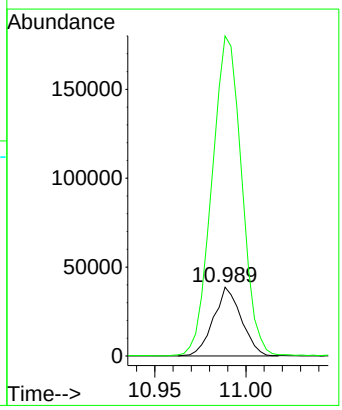
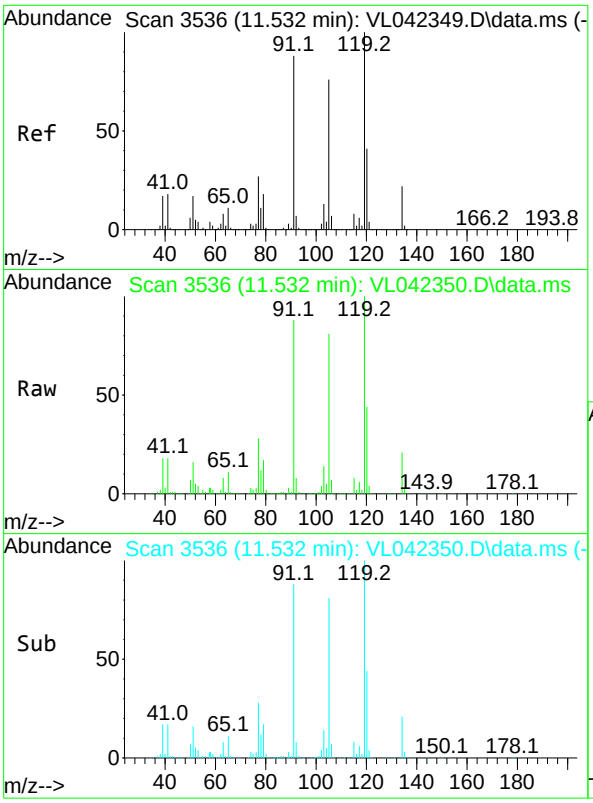


#64
n-propylbenzene
Concen: 2.058 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:120 Resp: 40956

Ion	Ratio	Lower	Upper
120	100		
91	502.0	392.4	588.6

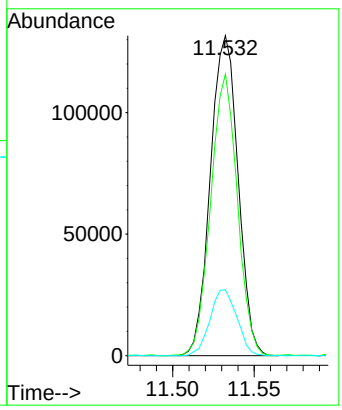




#65
tert-Butylbenzene
Concen: 2.135 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:119 Resp: 15540

Ion	Ratio	Lower	Upper
119	100		
91	85.0	74.6	111.8
134	20.1	18.8	28.2



Instrument :
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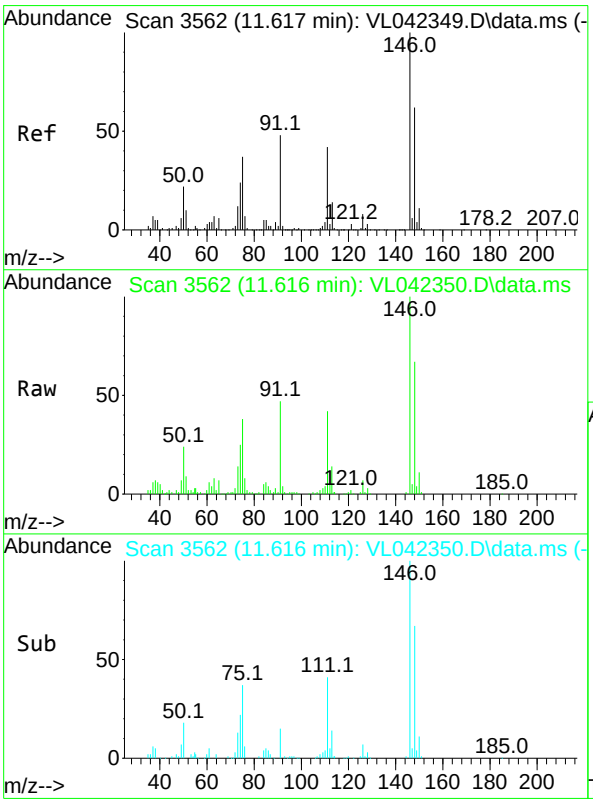
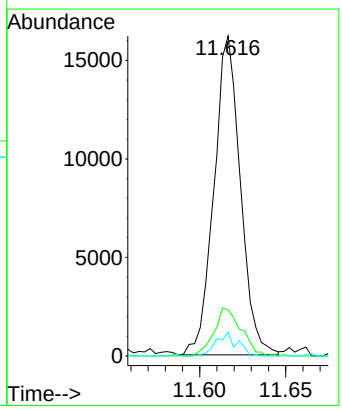
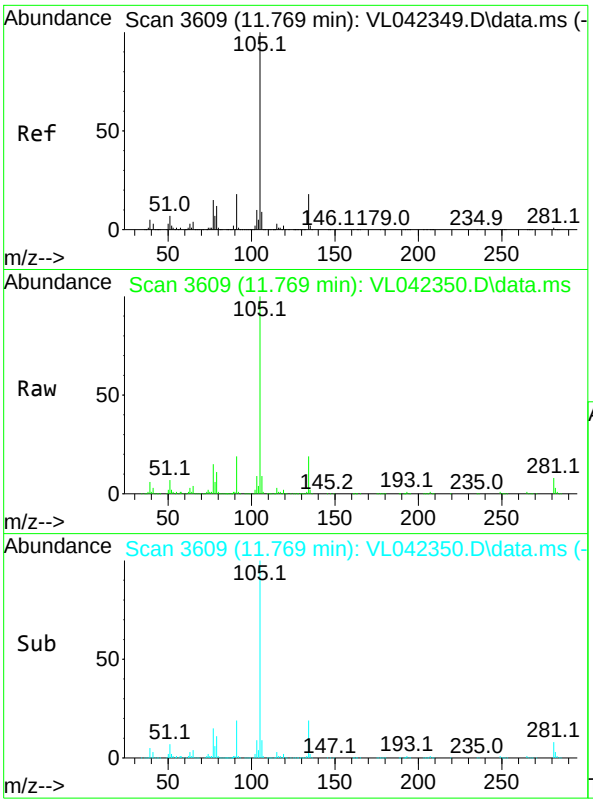


#66
Benzyl Chloride
Concen: 2.163 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 17300

Ion	Ratio	Lower	Upper
91	100		
126	15.6	11.8	17.6
128	6.1	4.5	6.7

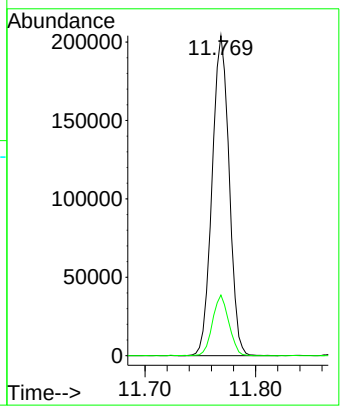




#67
sec-Butylbenzene
Concen: 2.156 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 21832

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	21.8



Instrument :
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ClientSampleId :
VSTDICC002

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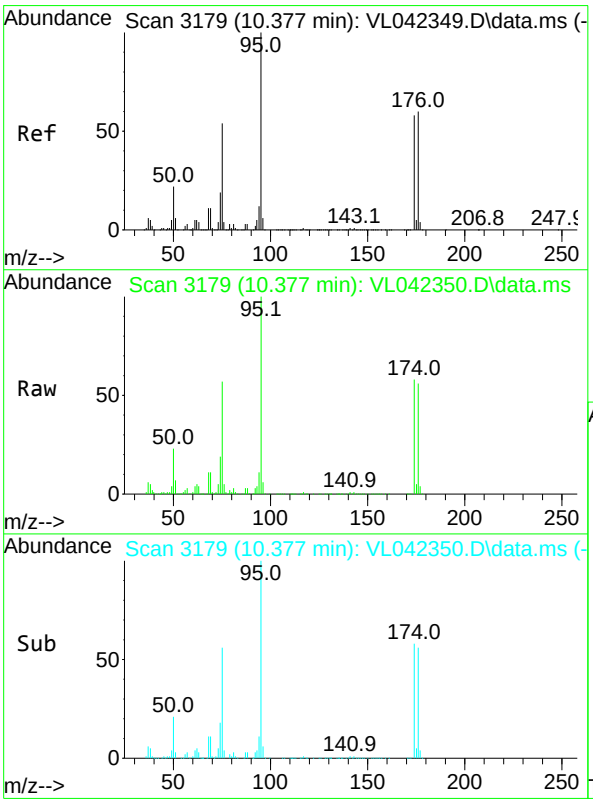
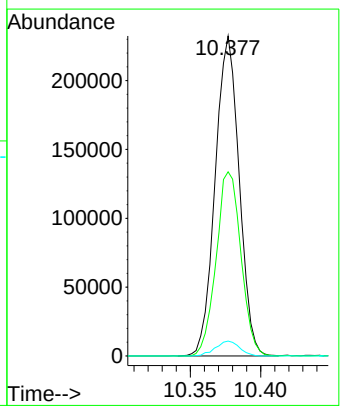
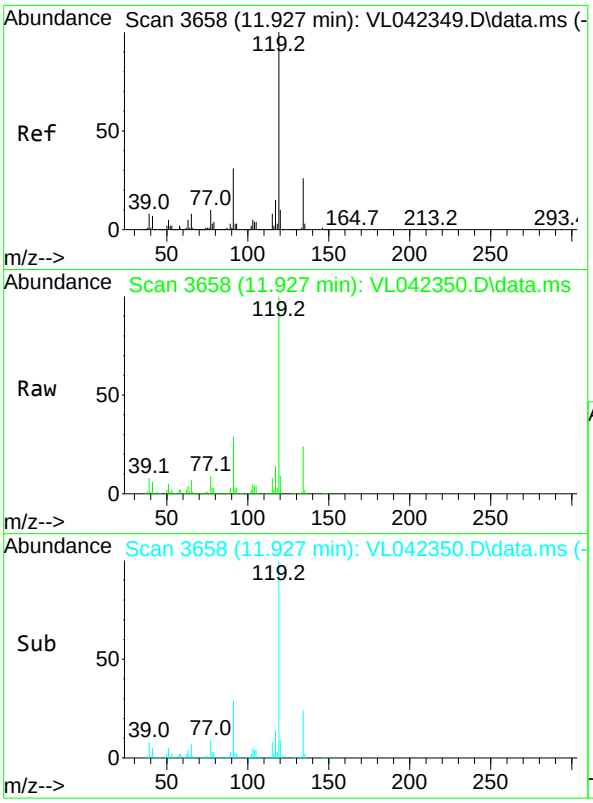


#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 95 Resp: 275715

Ion	Ratio	Lower	Upper
95	100		
174	59.6	48.5	72.7
175	4.7	3.7	5.5

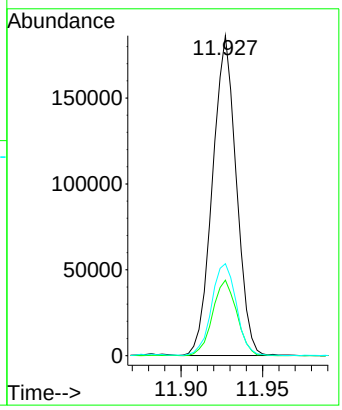




#69
p-Isopropyltoluene
Concen: 2.145 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:119 Resp: 18865

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.0	30.0
91	30.8	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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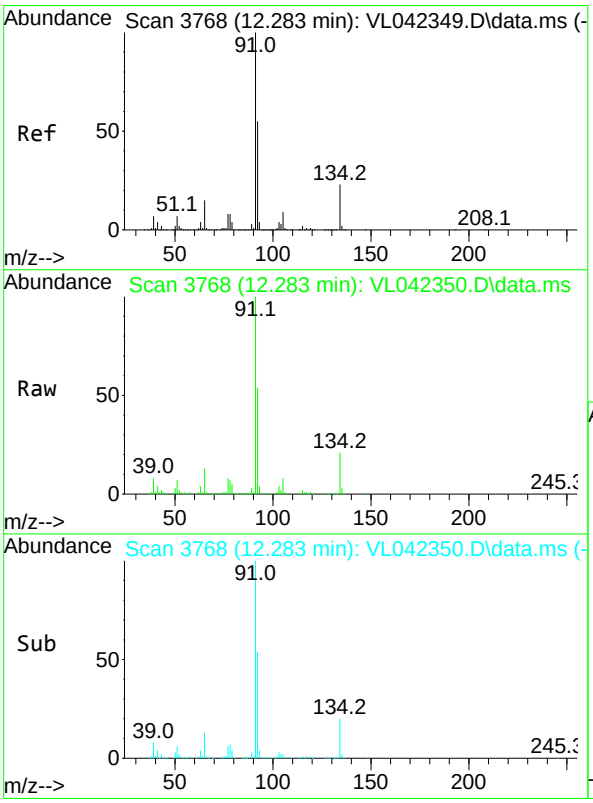
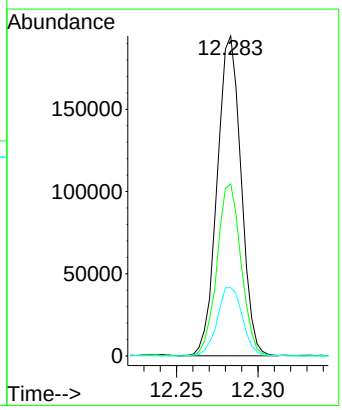
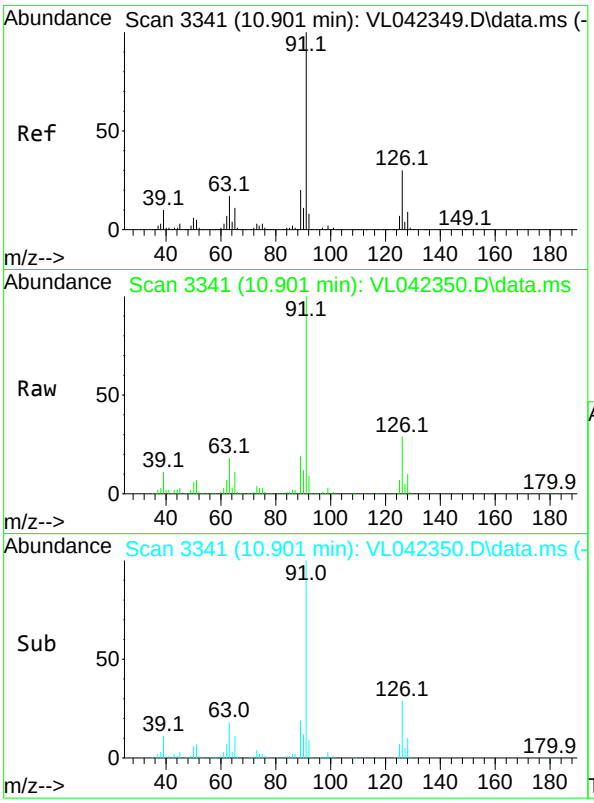


#70
n-Butylbenzene
Concen: 2.164 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 198221

Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.2	66.4
134	22.6	18.2	27.4

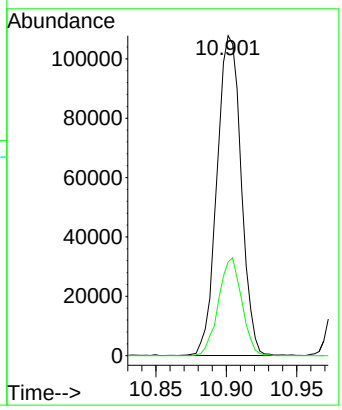




#71
2-Chlorotoluene
Concen: 2.075 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 12885

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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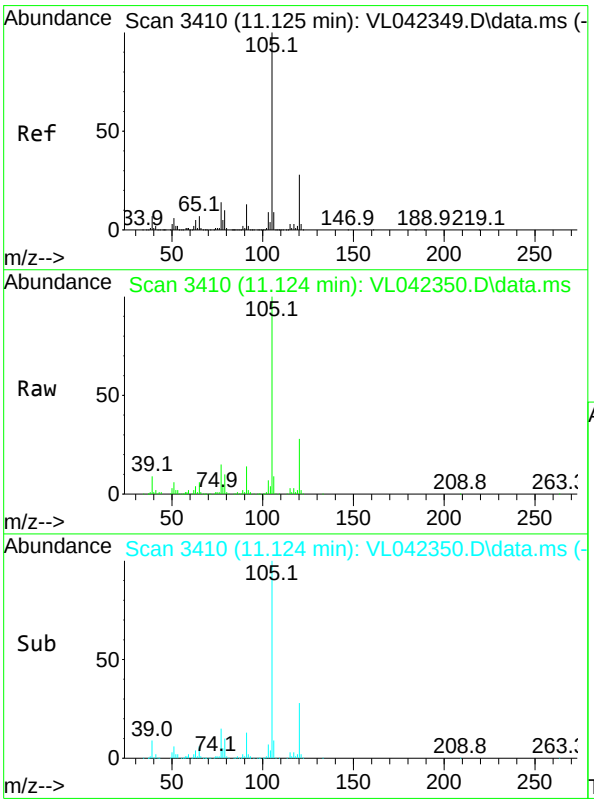
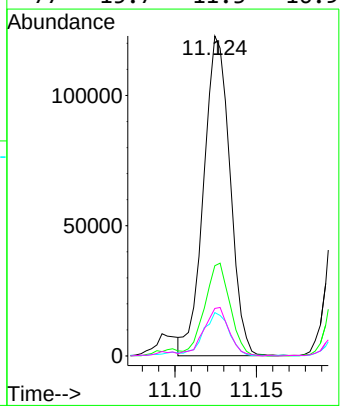
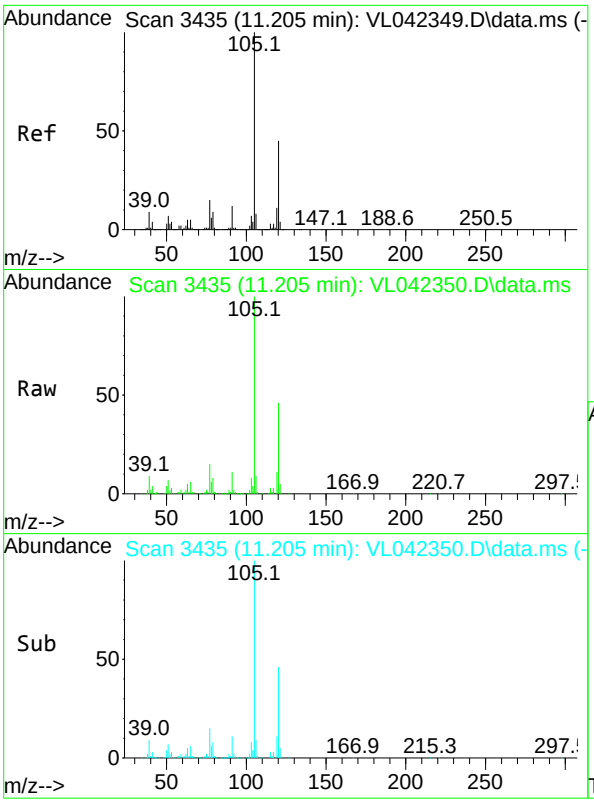


#72
4-Ethyltoluene
Concen: 2.091 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 137872

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.2	34.8
91	14.4	10.4	15.6
77	15.7	11.3	16.9

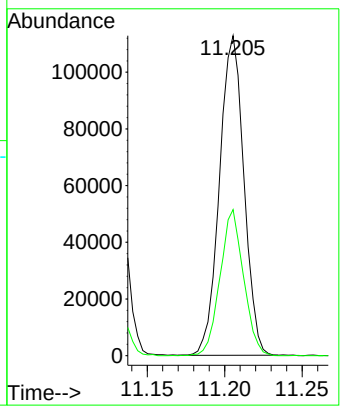




#73
1,3,5-Trimethylbenzene
Concen: 2.123 ppbv
RT: 11.205 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 12358

Ion	Ratio	Lower	Upper
105	100		
120	45.7	35.6	53.4



Instrument :
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ClientSampleId :
VSTDICC002

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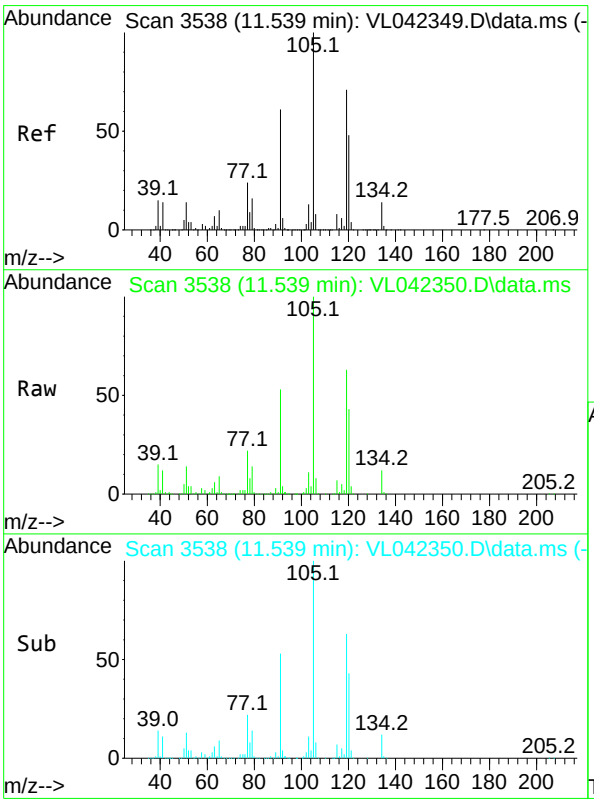
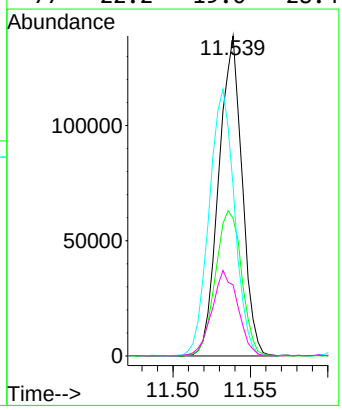
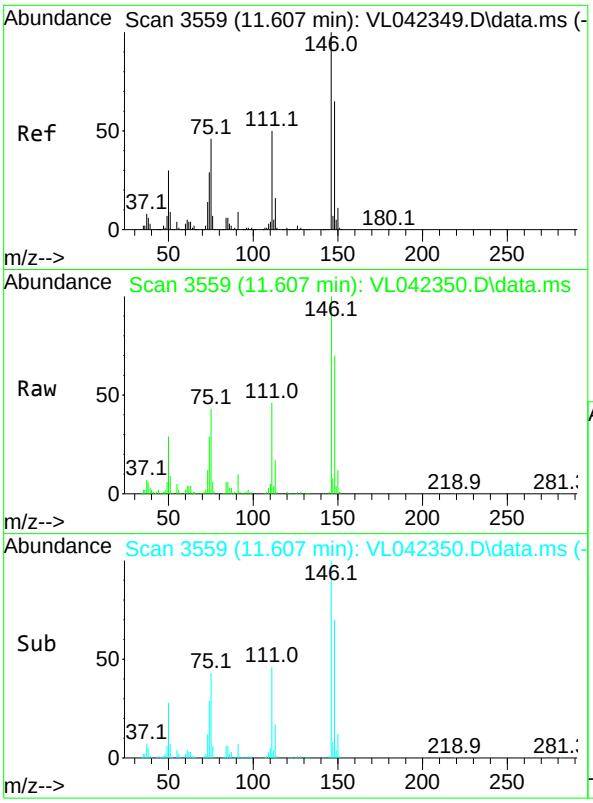


#74
1,2,4-Trimethylbenzene
Concen: 2.140 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 145510

Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.1	57.1
91	53.1	48.8	73.2
77	22.2	19.0	28.4

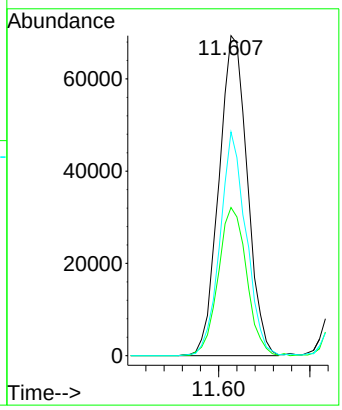




#75
1,3-Dichlorobenzene
Concen: 2.124 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:146 Resp: 7508

Ion	Ratio	Lower	Upper
146	100		
111	46.3	24.3	72.8
148	64.3	31.6	94.8



Instrument :
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ClientSampleId :
VSTDICC002

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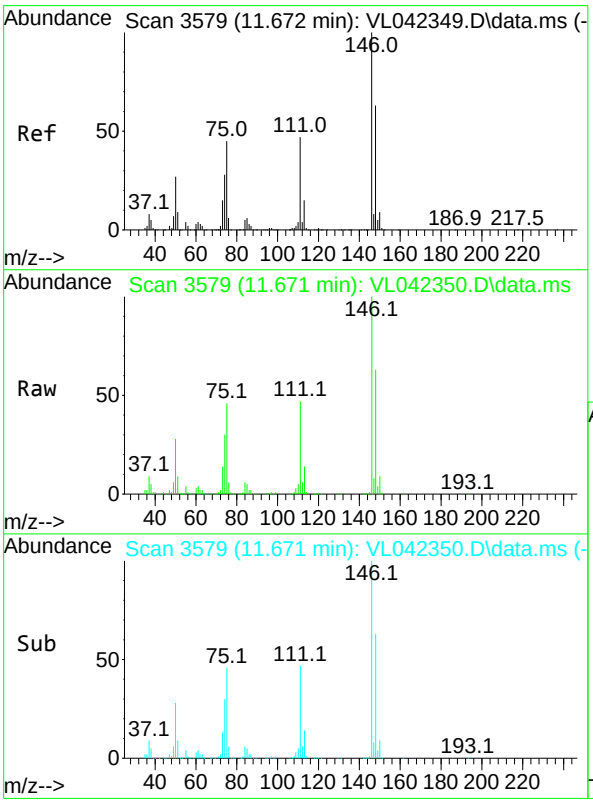
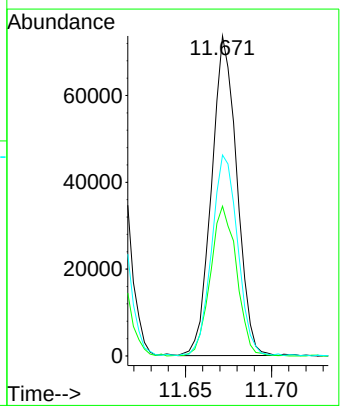
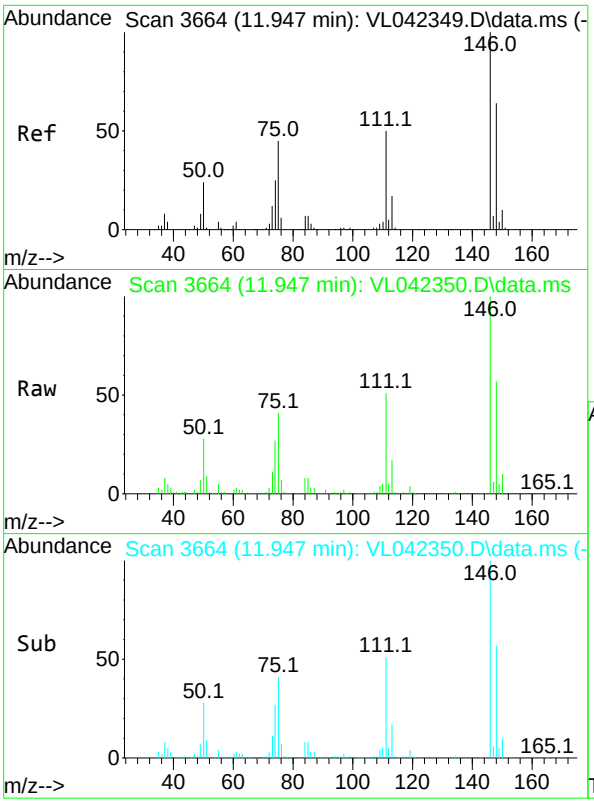


#76
1,4-Dichlorobenzene
Concen: 2.120 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:146 Resp: 75323

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.2	72.6
148	65.1	32.1	96.5

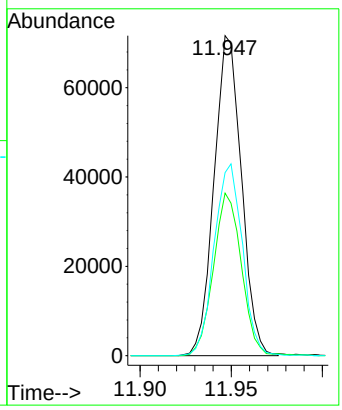




#77
1,2-Dichlorobenzene
Concen: 2.176 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:146 Resp: 7478

Ion	Ratio	Lower	Upper
146	100		
111	52.0	25.3	75.9
148	61.8	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
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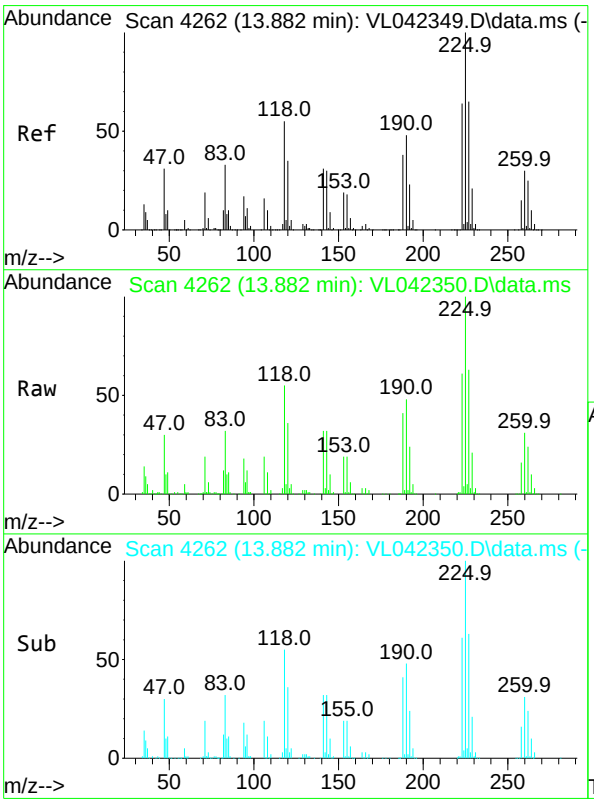
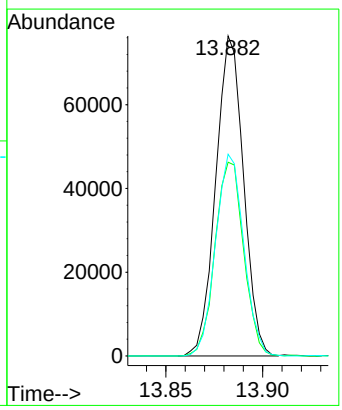
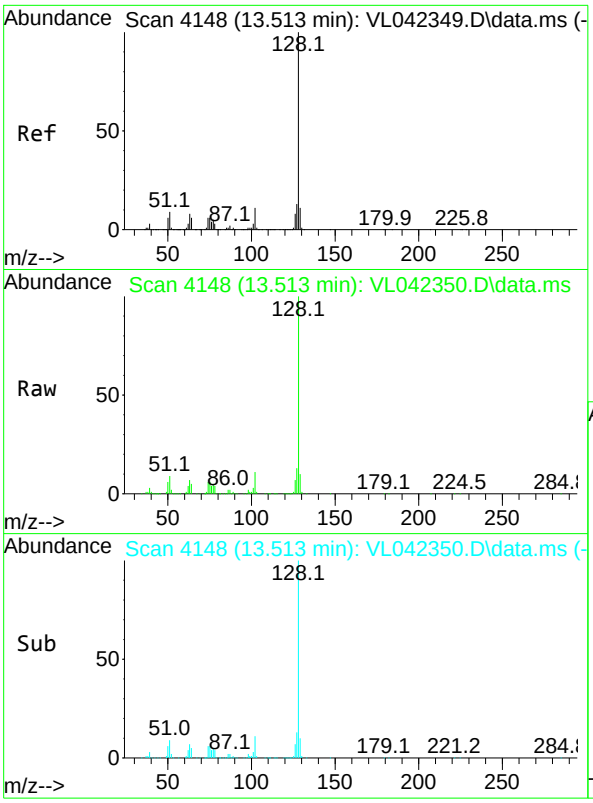


#78
Hexachloro-1,3-Butadiene
Concen: 2.194 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:225 Resp: 76158

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	64.1	51.5	77.3

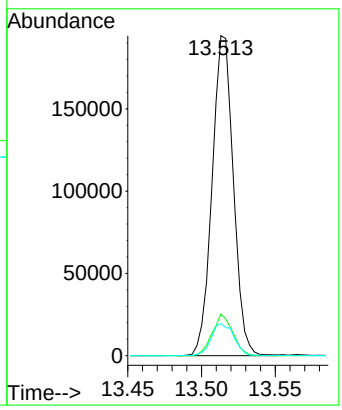




#79
Naphthalene
Concen: 2.401 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:128 Resp: 19523

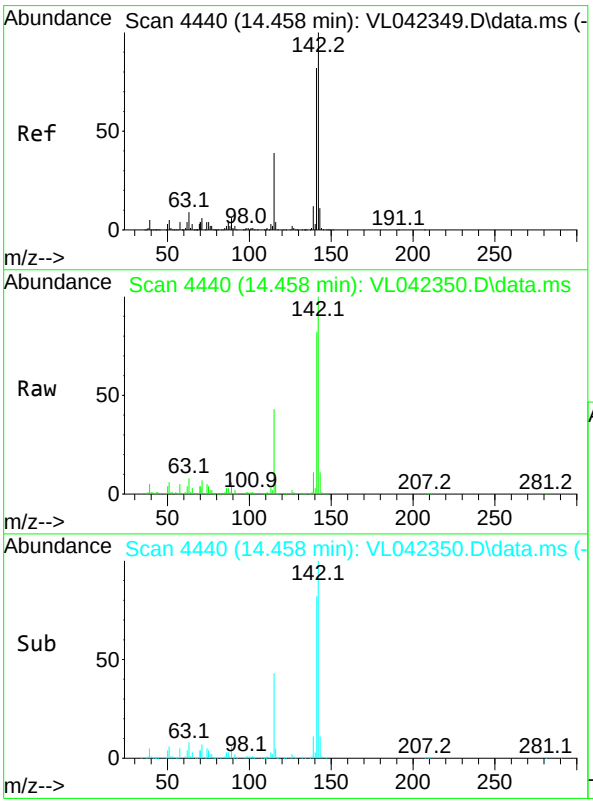
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.1	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

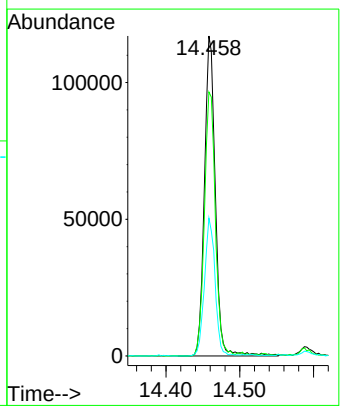
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

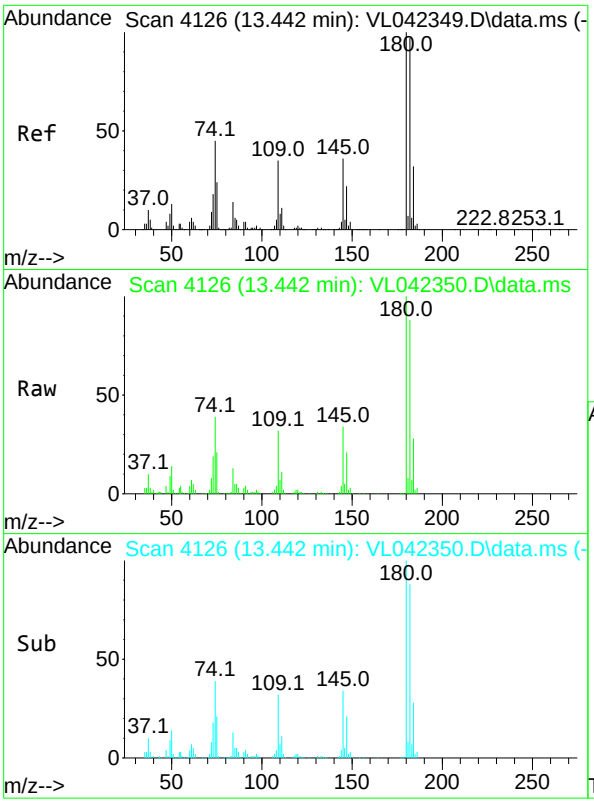


#80
Naphthalene,2-methyl-
Concen: 2.574 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:142 Resp: 119262

Ion	Ratio	Lower	Upper
142	100		
141	84.7	66.8	100.2
115	42.2	33.4	50.2

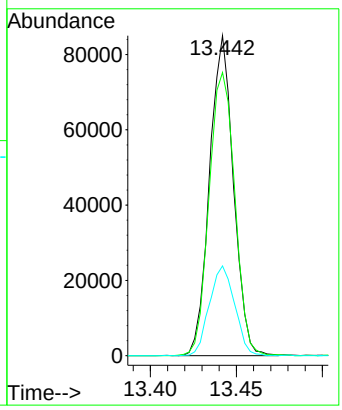




#81
1,2,4-Trichlorobenzene
Concen: 2.353 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:180 Resp: 8215

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
184	29.8	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	124177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	359907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	329090	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	269087	9.950	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	22816	1.040	ppbv	93
3) Chlorodifluoromethane	1.476	51	20573	0.985	ppbv	97
4) Chloromethane	1.535	50	9008	1.038	ppbv	99
5) Vinyl Chloride	1.580	62	8807	0.932	ppbv	98
6) Bromomethane	1.671	94	4099	1.001	ppbv	91
7) Chloroethane	1.706	64	3559	1.041	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	19251	1.022	ppbv	100
9) Propene	1.486	41	9892	1.040	ppbv	92
10) Heptane	4.982	43	28507m	1.114	ppbv	
11) Trichlorofluoromethane	1.878	101	22428	1.075	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	17865	1.047	ppbv	98
13) Ethanol	1.722	45	1730m	2.225	ppbv	
14) Bromoethene	1.784	108	6766	1.052	ppbv #	89
15) Acetone	1.839	43	23537	1.158	ppbv	97
16) 1,3-Butadiene	1.609	39	10377m	1.087	ppbv	
17) tert-Butyl alcohol	2.043	59	26477	1.051	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	7890	0.962	ppbv	94
19) Isopropyl Alcohol	1.888	45	12175	1.078	ppbv #	39
20) Methylene Chloride	2.062	84	9046	1.136	ppbv	87
21) Allyl Chloride	2.098	41	15057	1.073	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	9421	1.038	ppbv	96
23) Vinyl Acetate	2.467	43	9234	1.122	ppbv #	90
24) 1,1-Dichloroethane	2.409	63	18236	1.058	ppbv	99
25) Ethyl Acetate	2.842	43	51494	1.027	ppbv #	97
26) Hexane	2.826	57	21350	1.053	ppbv	95
27) Carbon Disulfide	2.153	76	20739	0.955	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	14164	1.066	ppbv #	85
29) Chloroform	2.852	83	28973	1.011	ppbv	100
30) Cyclohexane	3.862	84	16547m	1.013	ppbv	
31) cis-1,2-Dichloroethene	2.723	61	19904	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	31653	1.030	ppbv	98
34) 2-Butanone	2.564	43	29735	1.045	ppbv	99
35) Carbon Tetrachloride	3.768	117	29875	0.917	ppbv	94
36) Benzene	3.661	78	38707	0.997	ppbv	95
37) 1,2-Dichloroethane	3.224	62	23284	0.999	ppbv	97
38) Trichloroethene	4.551	130	16119	0.947	ppbv	96
39) 1,2-Dichloropropane	4.318	63	14866	1.027	ppbv	96
40) 1,4-Dioxane	4.597	88	8737m	1.114	ppbv	
41) Tetrahydrofuran	3.062	42	17259	1.049	ppbv	96
42) Bromodichloromethane	4.490	83	32721	1.009	ppbv #	98
43) Methyl Methacrylate	4.885	69	18699m	1.073	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	68946m	1.027	ppbv	
45) t-1,3-Dichloropropene	6.416	75	18347m	1.026	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	22189m	1.015	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	15457m	1.048	ppbv		
48) Dibromochloromethane	7.390	129	25948	0.997	ppbv		100
49) Bromoform	9.484	173	22413	0.984	ppbv		98
50) 4-Methyl-2-Pentanone	5.765	43	49725	1.049	ppbv		97
51) 2-Hexanone	7.445	43	47178	1.103	ppbv		99
52) Tetrachloroethene	8.228	164	14154	0.943	ppbv		93
53) Toluene	6.940	91	46611	1.001	ppbv		100
54) 1,2-Dibromoethane	7.658	107	21780	1.036	ppbv		93
56) 1,1,1,2-Tetrachloroethane	8.927	131	21052	1.057	ppbv		95
57) Chlorobenzene	8.921	112	35113	1.026	ppbv	#	95
58) Ethyl Benzene	9.354	91	68703	1.054	ppbv		96
59) m/p-Xylene	9.552	91	110702m	2.101	ppbv		
60) o-Xylene	9.966	91	55831	1.056	ppbv		99
61) Styrene	9.872	104	25544	1.012	ppbv		100
62) Isopropylbenzene	10.542	105	81286	1.047	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	32410	0.943	ppbv		99
64) n-propylbenzene	10.989	120	19898	1.019	ppbv		90
65) tert-Butylbenzene	11.533	119	77598	1.087	ppbv		92
66) Benzyl Chloride	11.617	91	7864	1.003	ppbv	#	91
67) sec-Butylbenzene	11.769	105	105919	1.067	ppbv		97
69) p-Isopropyltoluene	11.928	119	92733	1.075	ppbv		97
70) n-Butylbenzene	12.284	91	96306	1.072	ppbv		99
71) 2-Chlorotoluene	10.905	91	63321	1.040	ppbv		99
72) 4-Ethyltoluene	11.128	105	69698	1.078	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	60927	1.067	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	73888	1.108	ppbv		95
75) 1,3-Dichlorobenzene	11.610	146	36877	1.064	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	36692	1.053	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	35977	1.068	ppbv		97
78) Hexachloro-1,3-Butadiene	13.886	225	37377	1.098	ppbv		99
79) Naphthalene	13.517	128	90710	1.138	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	50487	1.111	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	36764	1.074	ppbv		99

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

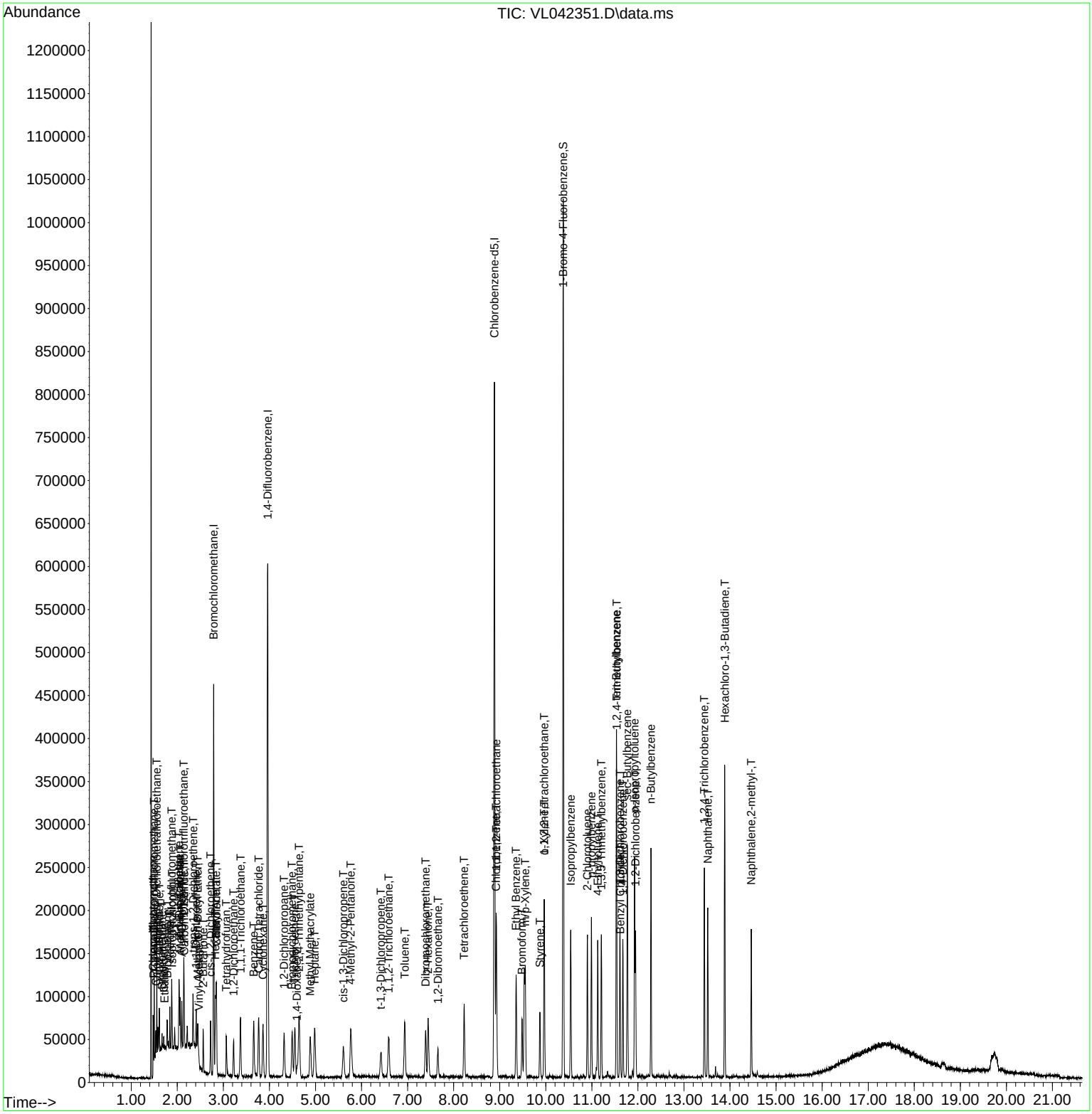
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

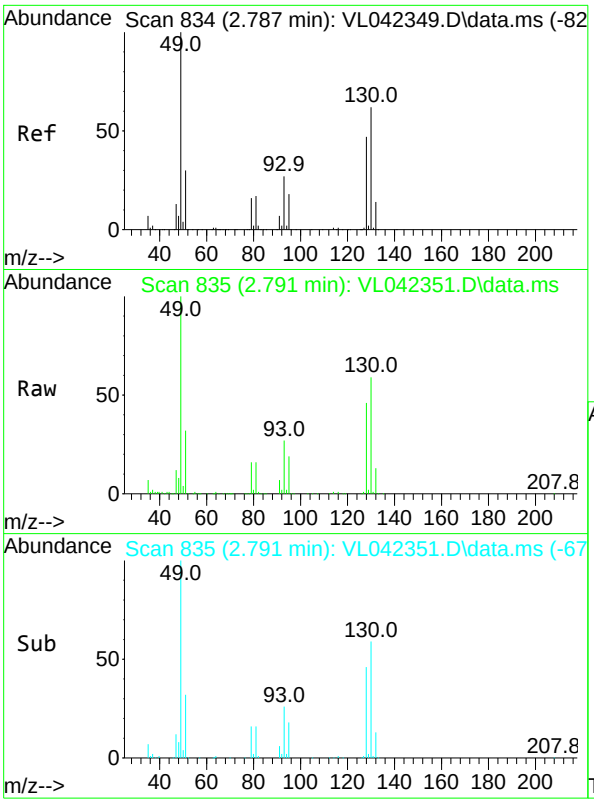
Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

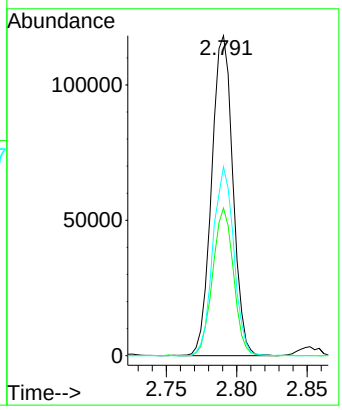




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 49 Resp: 12417

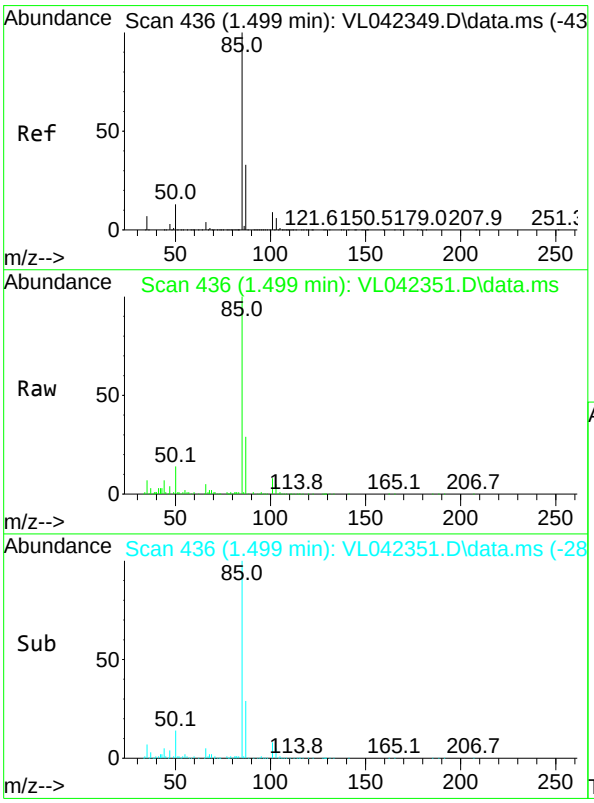
Ion	Ratio	Lower	Upper
49	100		
128	45.2	22.8	68.4
130	58.1	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

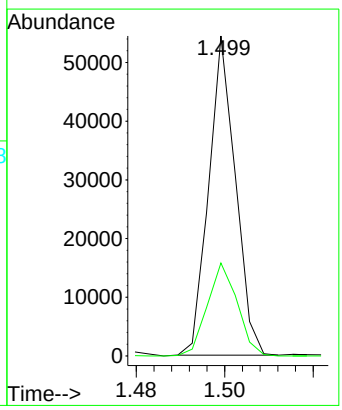
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

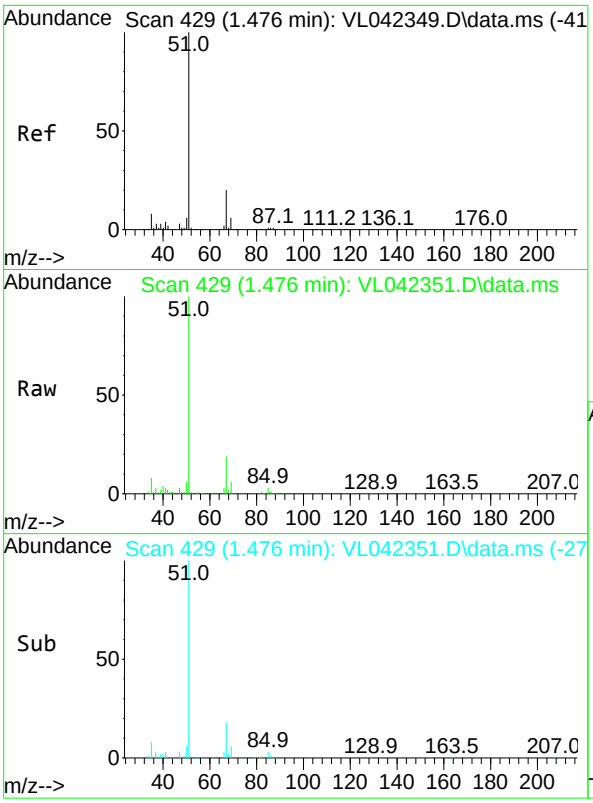


#2
Dichlorodifluoromethane
Concen: 1.040 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 85 Resp: 22816

Ion	Ratio	Lower	Upper
85	100		
87	29.1	26.6	39.8

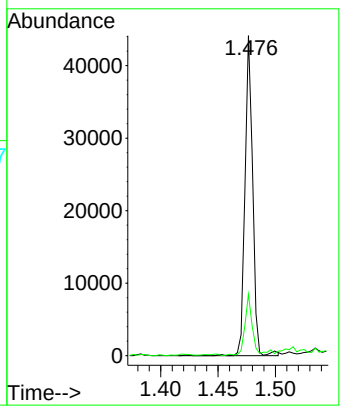




#3
Chlorodifluoromethane
Concen: 0.985 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 51 Resp: 2057

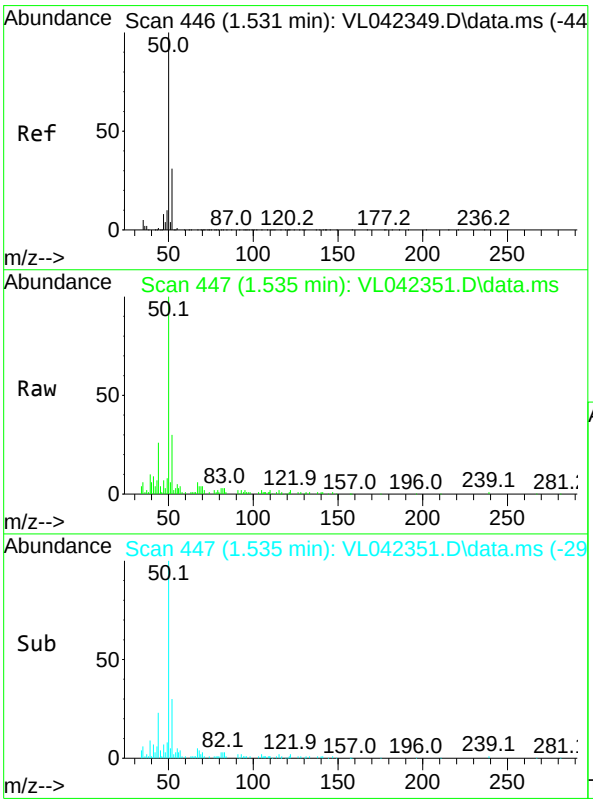
Ion	Ratio	Lower	Upper
51	100		
67	19.1	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

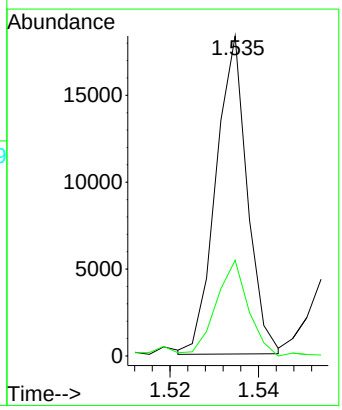
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

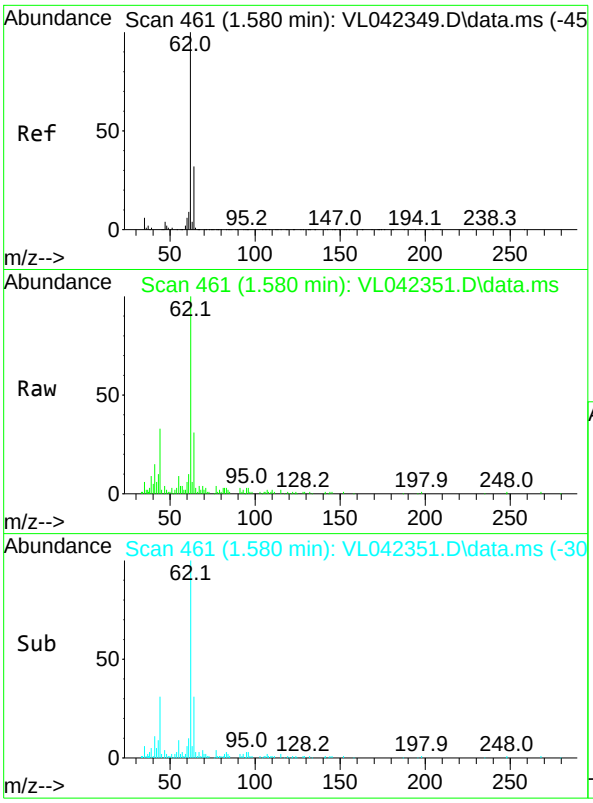


#4
Chloromethane
Concen: 1.038 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 50 Resp: 9008

Ion	Ratio	Lower	Upper
50	100		
52	30.4	24.7	37.1

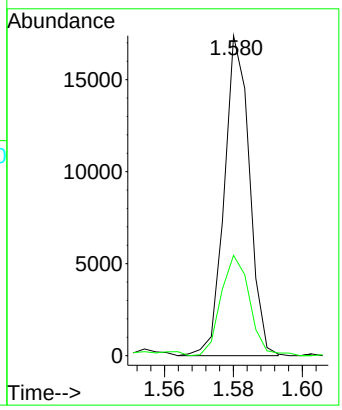




#5
Vinyl Chloride
Concen: 0.932 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 62 Resp: 880

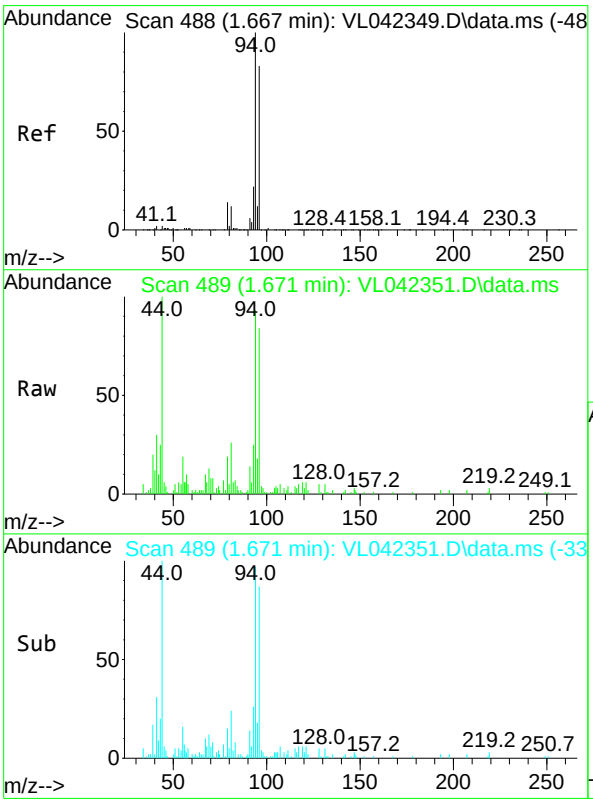
Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

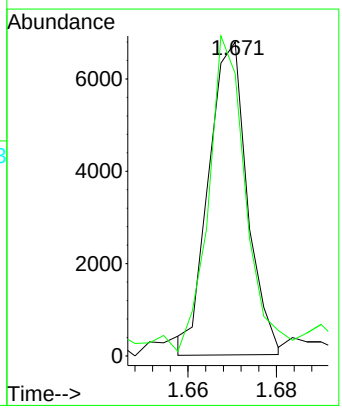
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

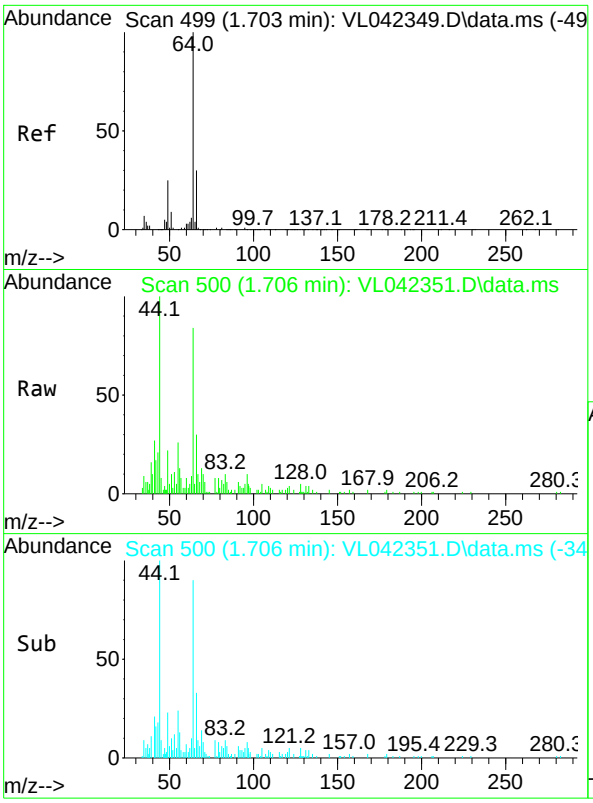


#6
Bromomethane
Concen: 1.001 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 94 Resp: 4099

Ion	Ratio	Lower	Upper
94	100		
96	91.0	66.2	99.2

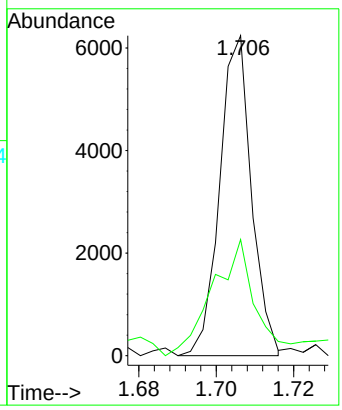




#7
Chloroethane
Concen: 1.041 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 64 Resp: 355

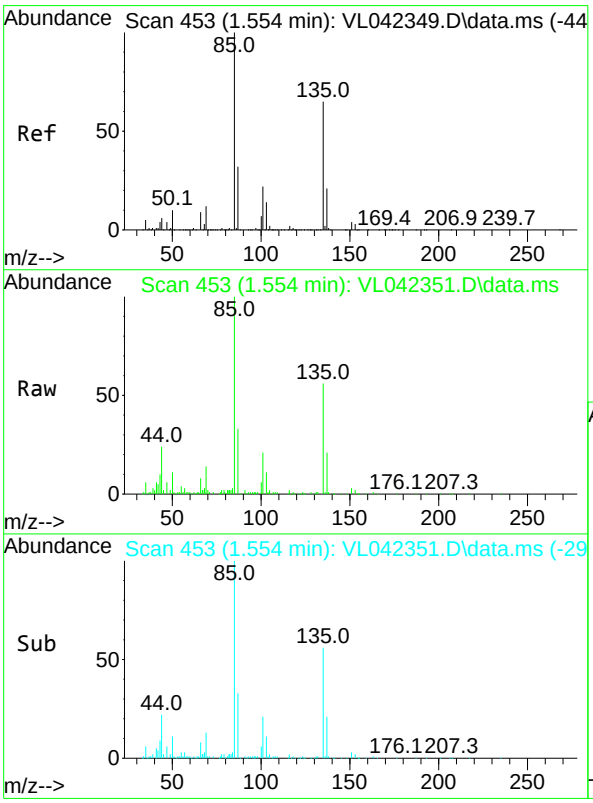
Ion	Ratio	Lower	Upper
64	100		
66	36.3	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

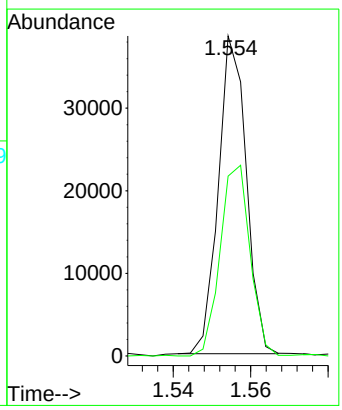
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

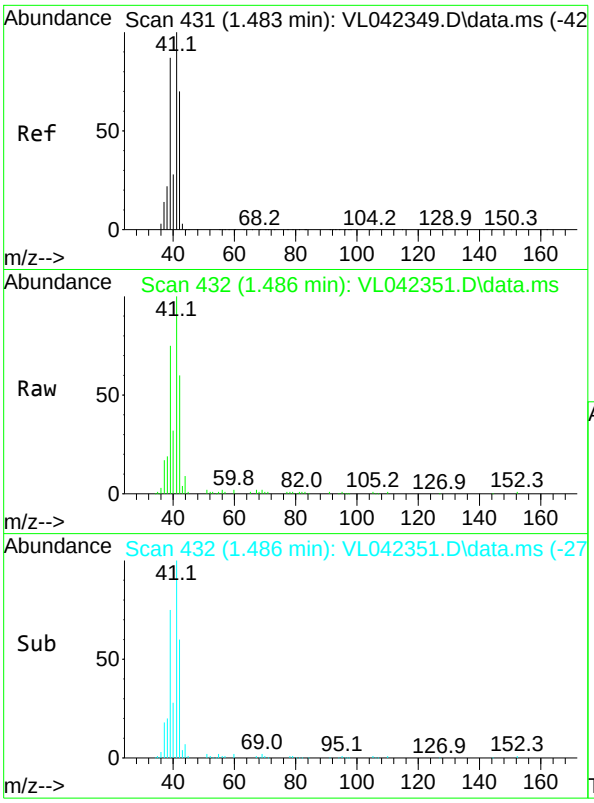


#8
Dichlorotetrafluoroethane
Concen: 1.022 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 85 Resp: 19251

Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.2	78.2

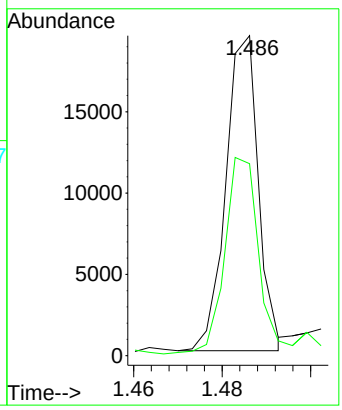




#9
Propene
Concen: 1.040 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 41 Resp: 989

Ion	Ratio	Lower	Upper
41	100		
42	77.2	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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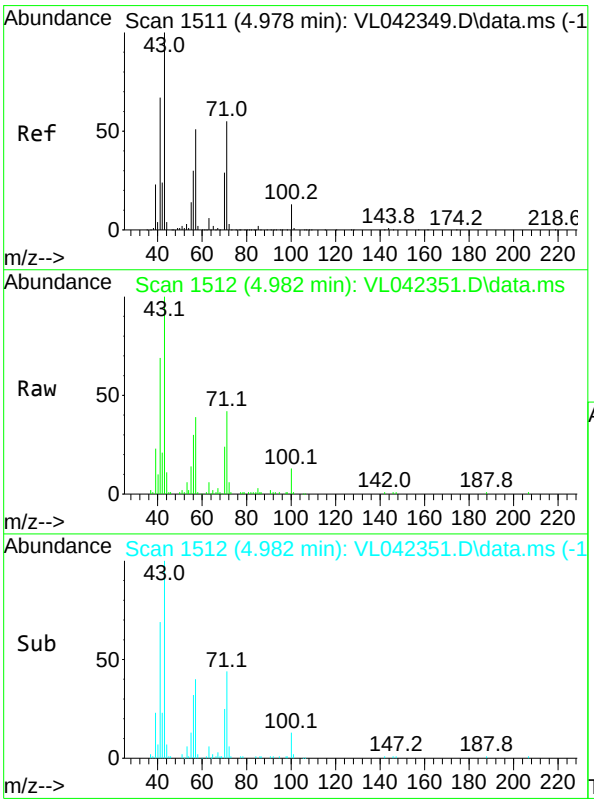
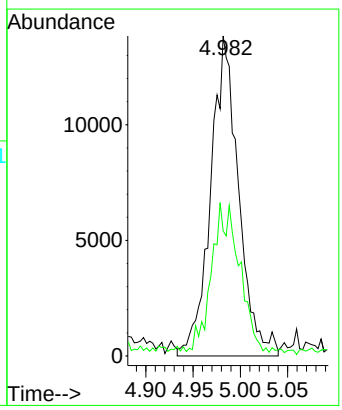
Supervised By :Mahesh Dadoda 04/18/2025

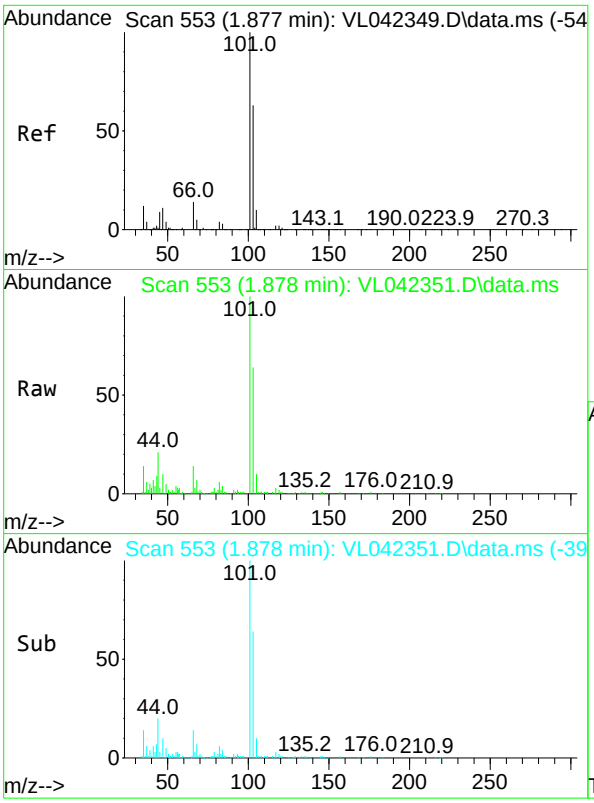


#10
Heptane
Concen: 1.114 ppbv m
RT: 4.982 min Scan# 1512
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 28507

Ion	Ratio	Lower	Upper
43	100		
57	48.1	39.9	59.9





#11
Trichlorofluoromethane
Concen: 1.075 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:101 Resp: 2242

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.1	75.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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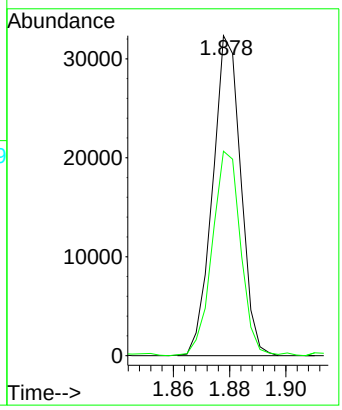
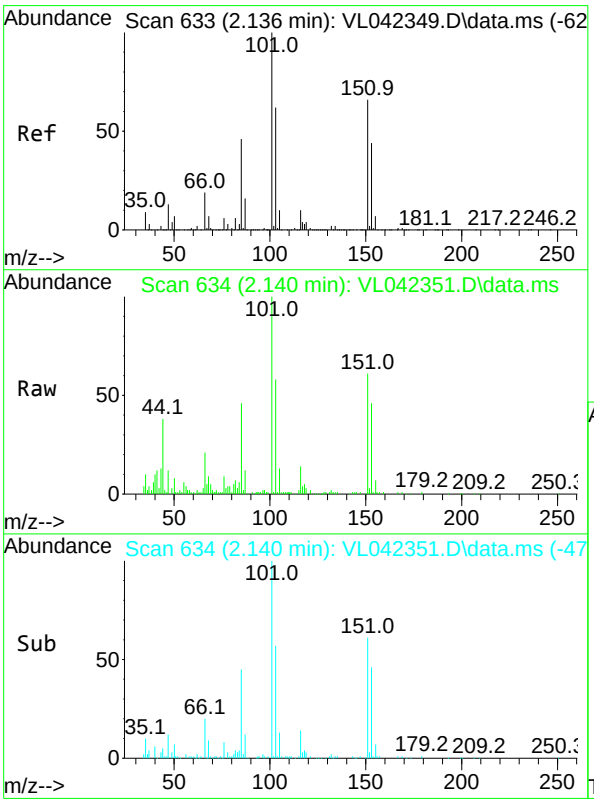
Supervised By :Mahesh Dadoda 04/18/2025

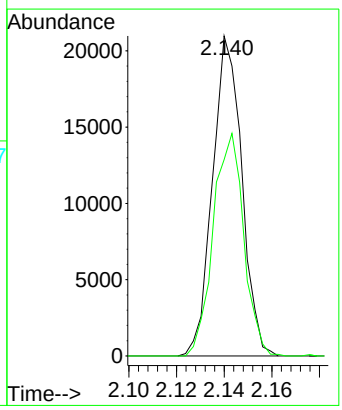


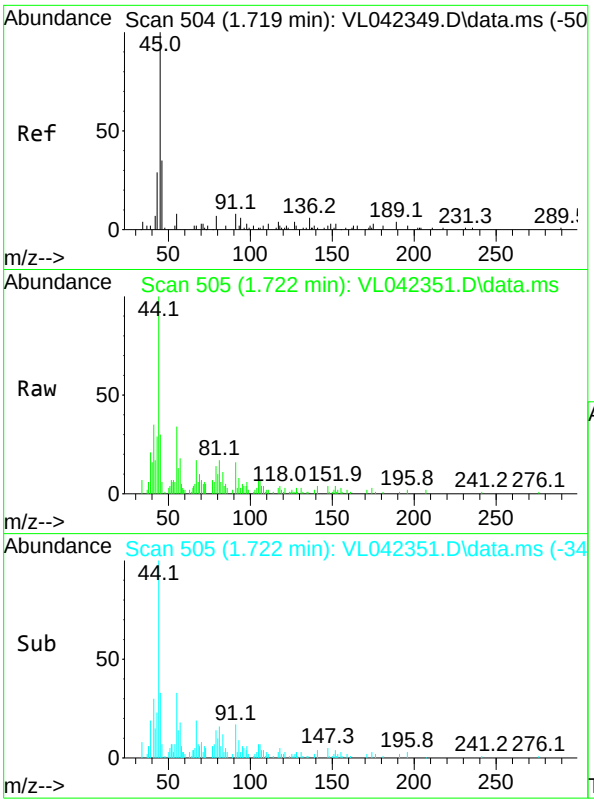


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.047 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:101 Resp: 17865

Ion	Ratio	Lower	Upper
101	100		
151	72.6	57.0	85.6

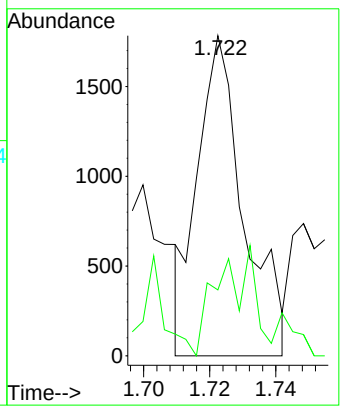




#13
Ethanol
Concen: 2.225 ppbv m
RT: 1.722 min Scan# 5(
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 45 Resp: 173(

Ion	Ratio	Lower	Upper
45	100		
46	44.9	21.9	87.7



Instrument :
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ClientSampleId :
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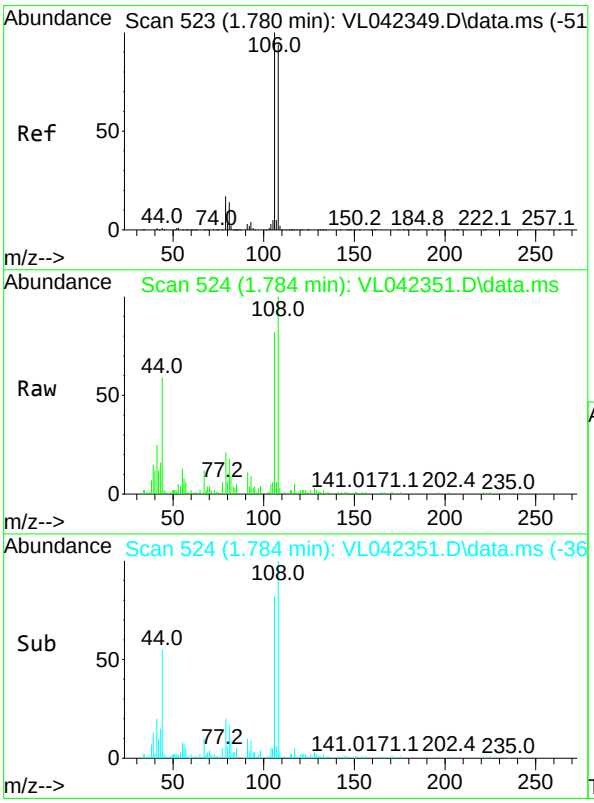
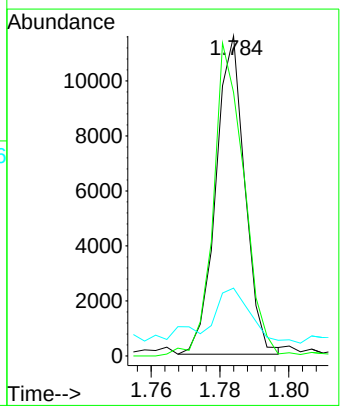
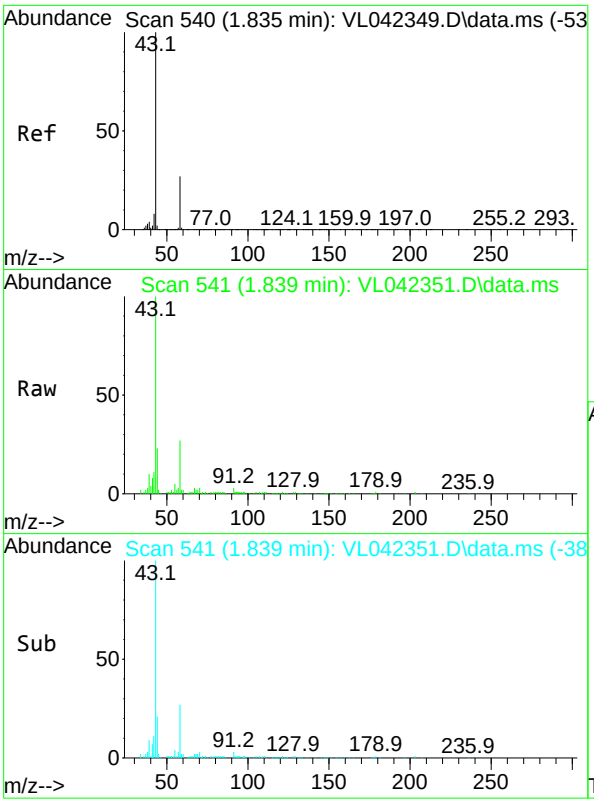


#14
Bromoethene
Concen: 1.052 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:108 Resp: 6766

Ion	Ratio	Lower	Upper
108	100		
106	104.7	85.9	128.9
79	45.4	13.9	20.9#

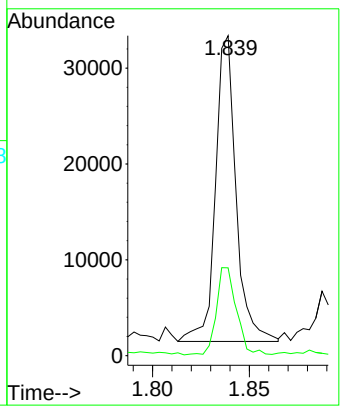




#15
Acetone
Concen: 1.158 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 2353

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.4	33.6



Instrument :
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ClientSampleId :
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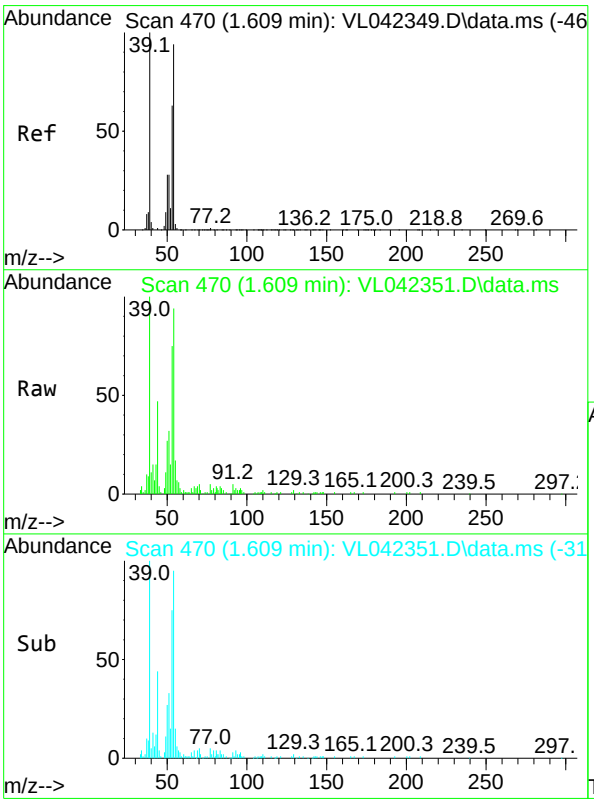
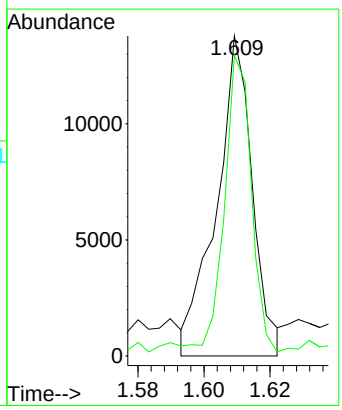
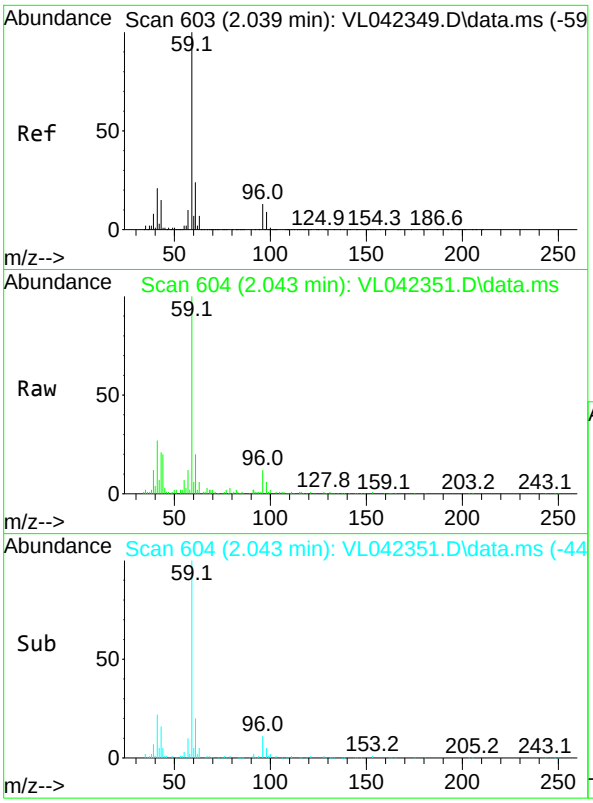


#16
1,3-Butadiene
Concen: 1.087 ppbv m
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 39 Resp: 10377

Ion	Ratio	Lower	Upper
39	100		
54	71.0	64.9	97.3





#17
tert-Butyl alcohol
Concen: 1.051 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 59 Resp: 2647

Ion	Ratio	Lower	Upper
59	100		
57	14.6	8.7	13.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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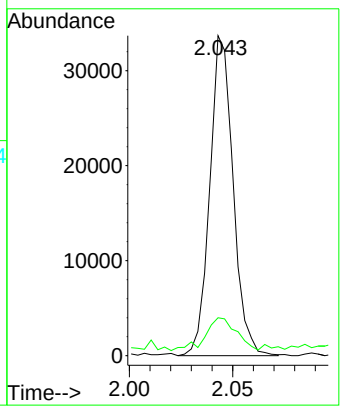
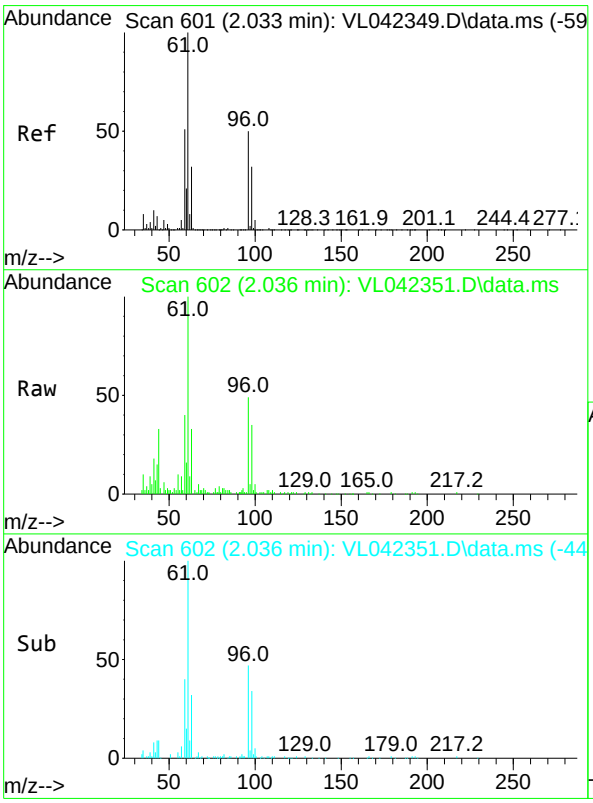
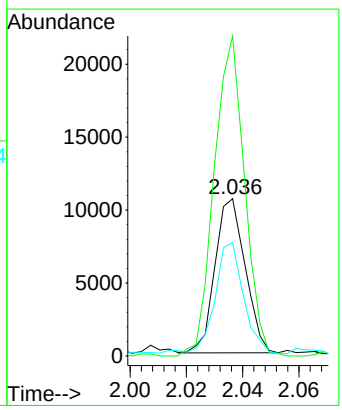


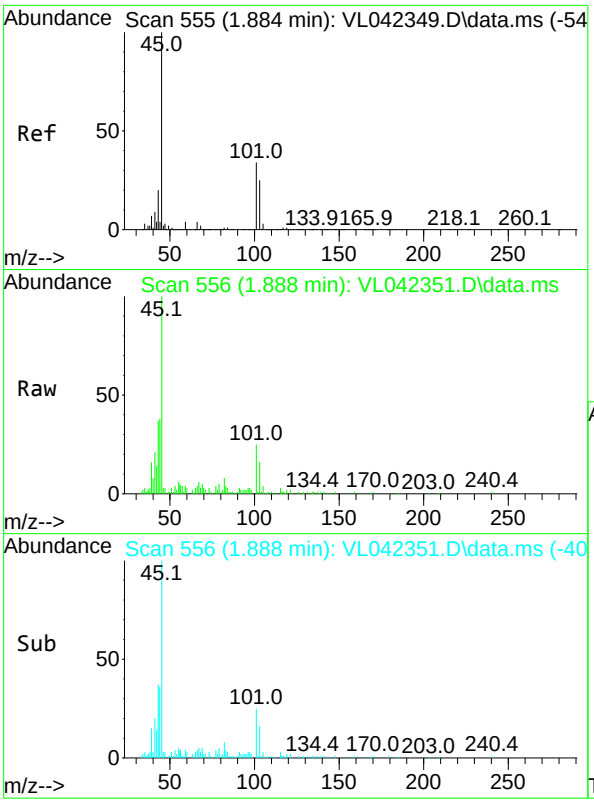


#18
1,1-Dichloroethene
Concen: 0.962 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 96 Resp: 7890

Ion	Ratio	Lower	Upper
96	100		
61	207.8	160.2	240.2
98	71.9	51.0	76.4

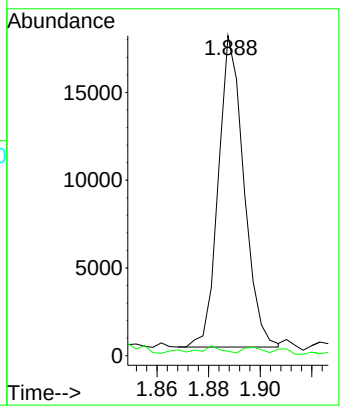




#19
Isopropyl Alcohol
Concen: 1.078 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 45 Resp: 1217

Ion	Ratio	Lower	Upper
45	100		
58	3.8	34.5	51.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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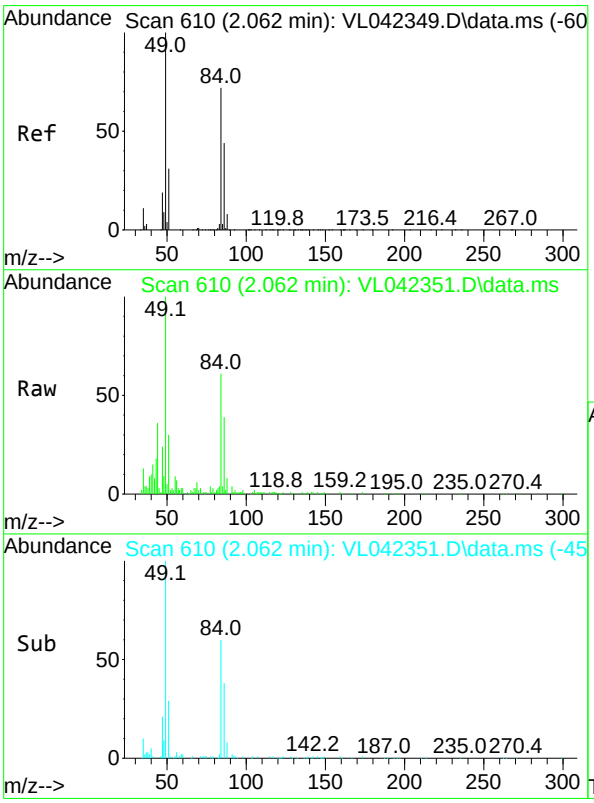
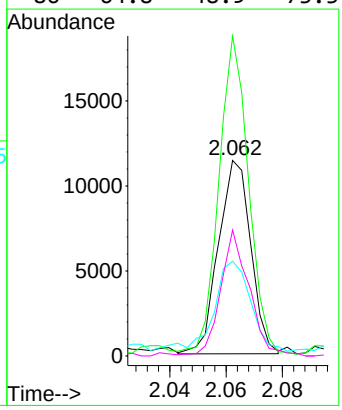
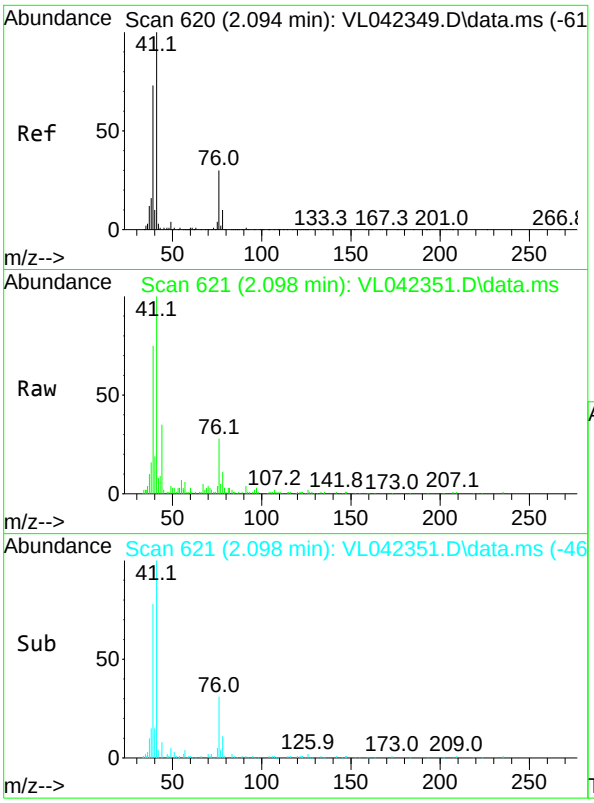


#20
Methylene Chloride
Concen: 1.136 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 84 Resp: 9046

Ion	Ratio	Lower	Upper
84	100		
49	164.4	111.6	167.4
51	44.4	35.1	52.7
86	64.8	48.9	73.3

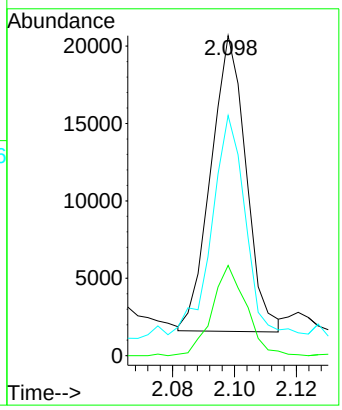




#21
Allyl Chloride
Concen: 1.073 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 41 Resp: 1505

Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.8	37.2
39	86.1	60.6	90.8



Instrument :
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ClientSampleId :
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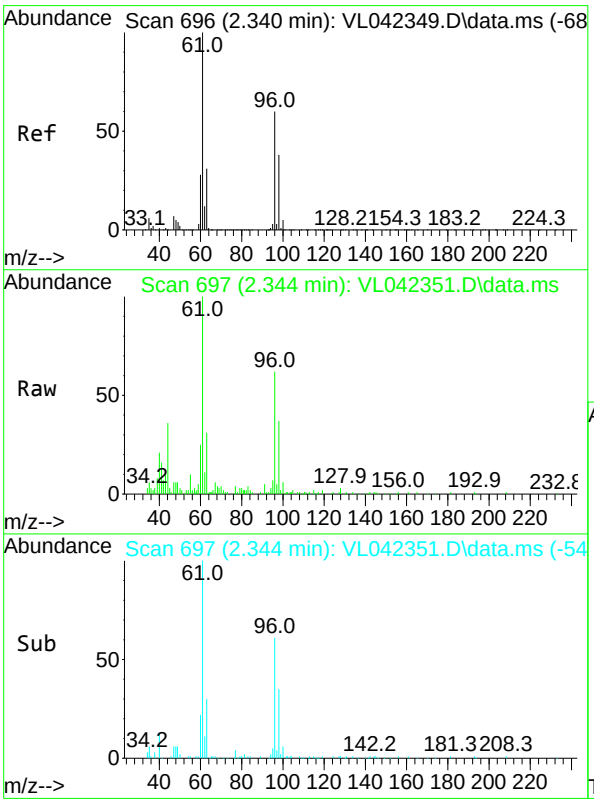
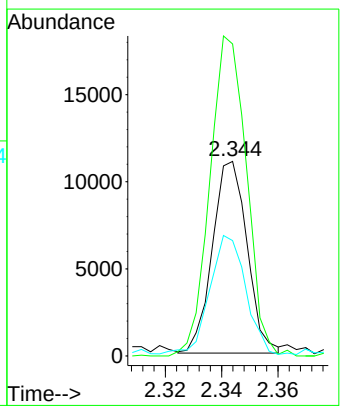
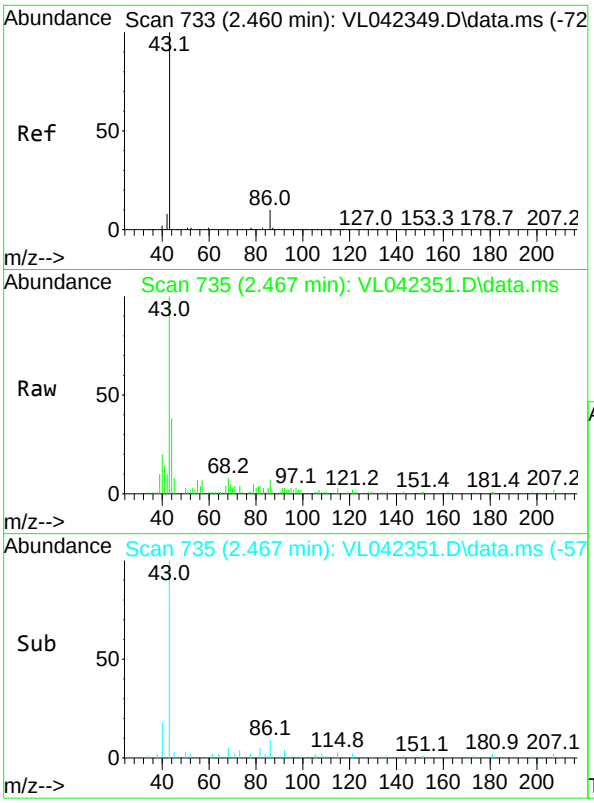


#22
trans-1,2-Dichloroethene
Concen: 1.038 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 96 Resp: 9421

Ion	Ratio	Lower	Upper
96	100		
61	161.7	133.7	200.5
98	59.8	50.3	75.5

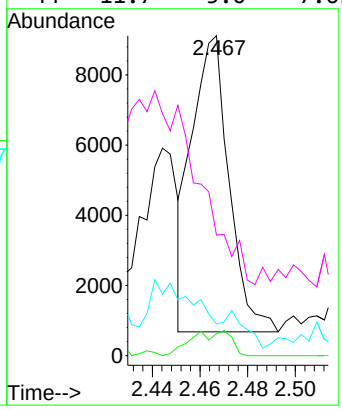




#23
Vinyl Acetate
Concen: 1.122 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 923

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.5	9.7
42	4.6	7.8	11.8#
44	11.7	5.0	7.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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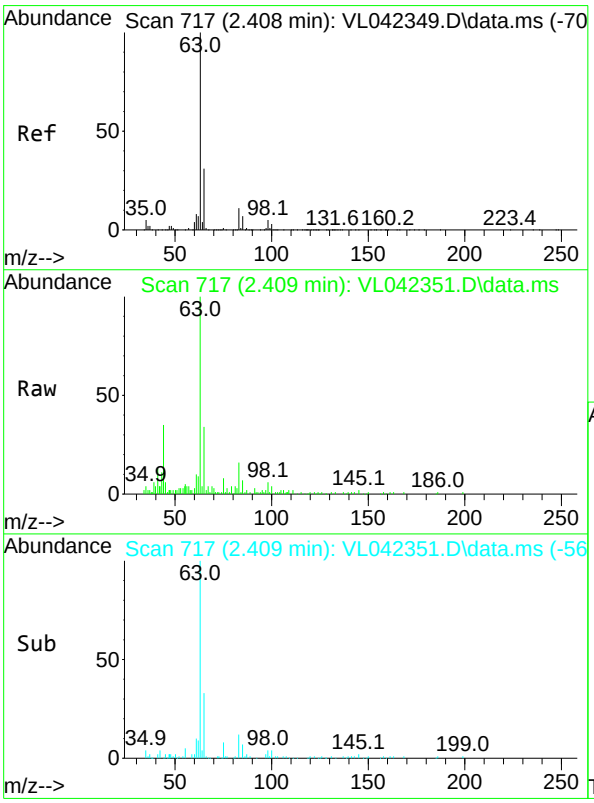
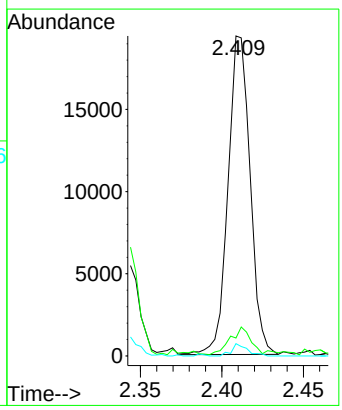
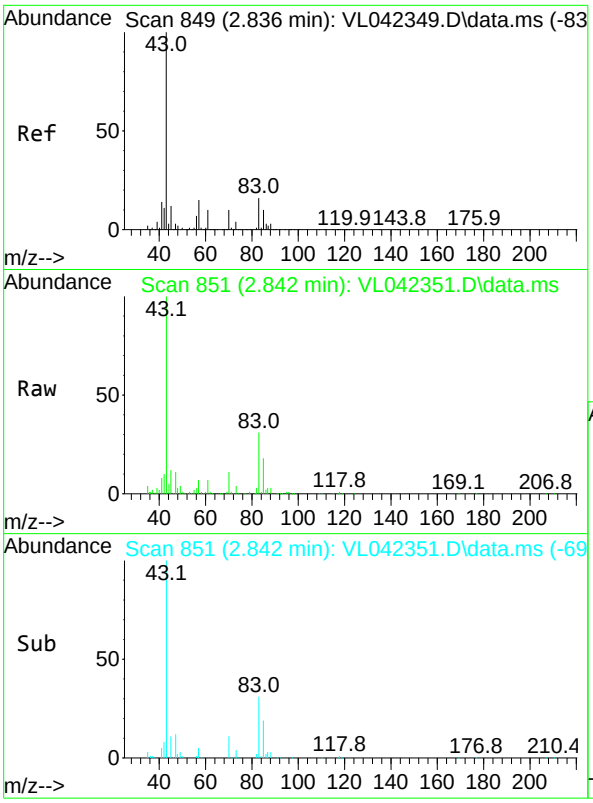


#24
1,1-Dichloroethane
Concen: 1.058 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 63 Resp: 18236

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	3.9	1.6	4.8

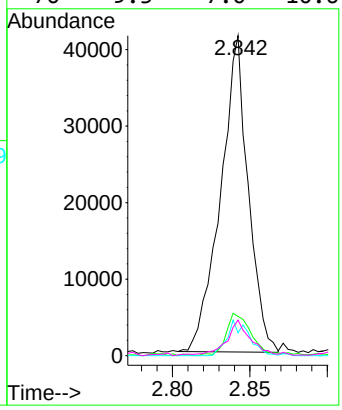




#25
Ethyl Acetate
Concen: 1.027 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 5149

Ion	Ratio	Lower	Upper
43	100		
45	13.1	8.3	12.5
61	9.0	7.3	10.9
70	9.3	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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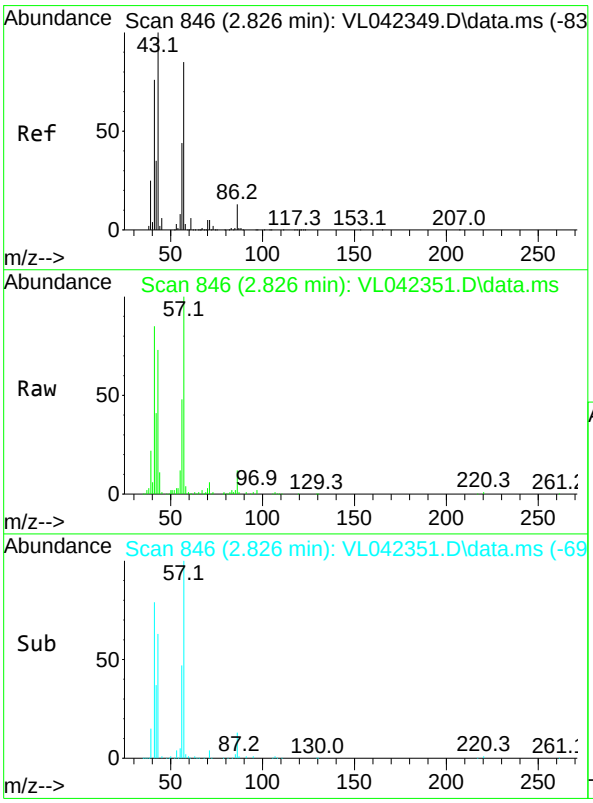
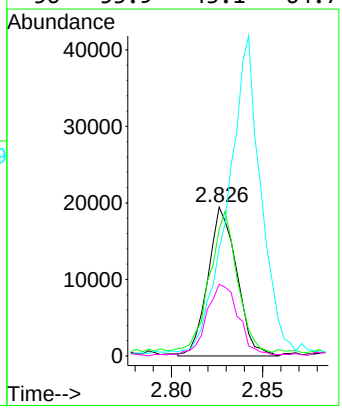
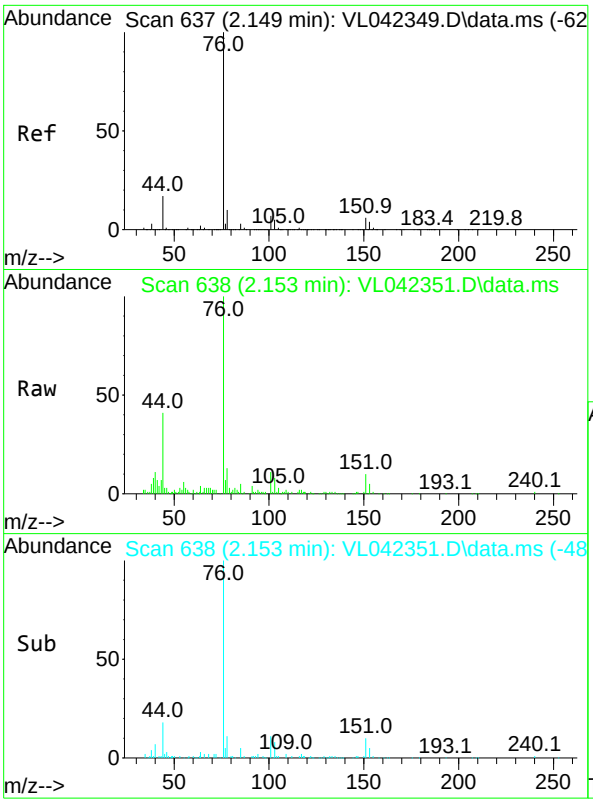


#26
Hexane
Concen: 1.053 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 21350

Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.9	116.9
43	247.5	208.4	312.6
56	53.9	43.1	64.7

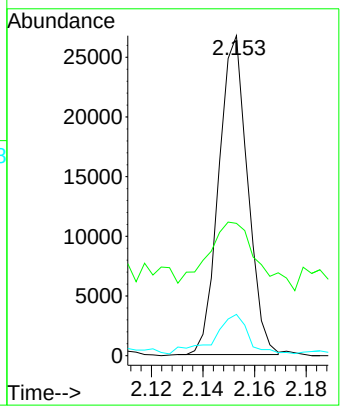




#27
Carbon Disulfide
Concen: 0.955 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 76 Resp: 2073

Ion	Ratio	Lower	Upper
76	100		
44	93.1	15.5	23.3#
78	19.8	9.3	13.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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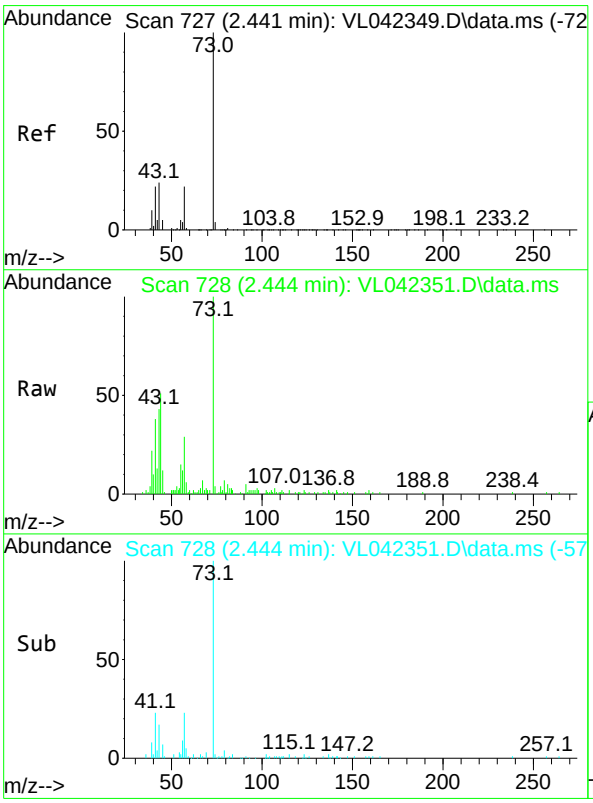
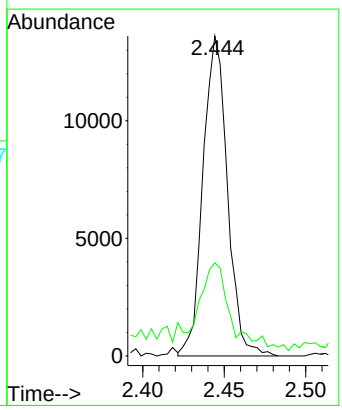
Supervised By :Mahesh Dadoda 04/18/2025

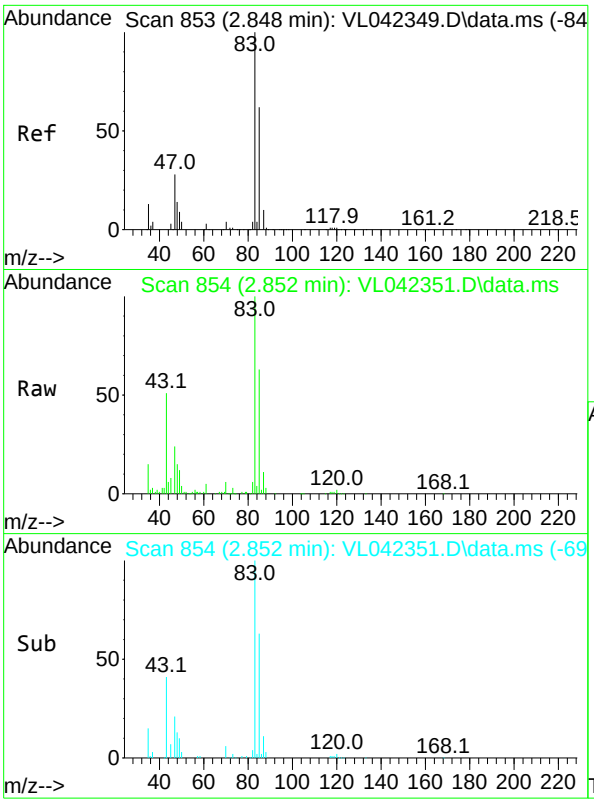


#28
Methyl tert-Butyl Ether
Concen: 1.066 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 73 Resp: 14164

Ion	Ratio	Lower	Upper
73	100		
57	34.2	21.3	31.9#

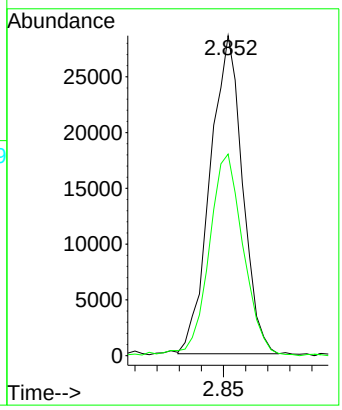




#29
Chloroform
Concen: 1.011 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 83 Resp: 2897

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.0	75.0



Instrument :
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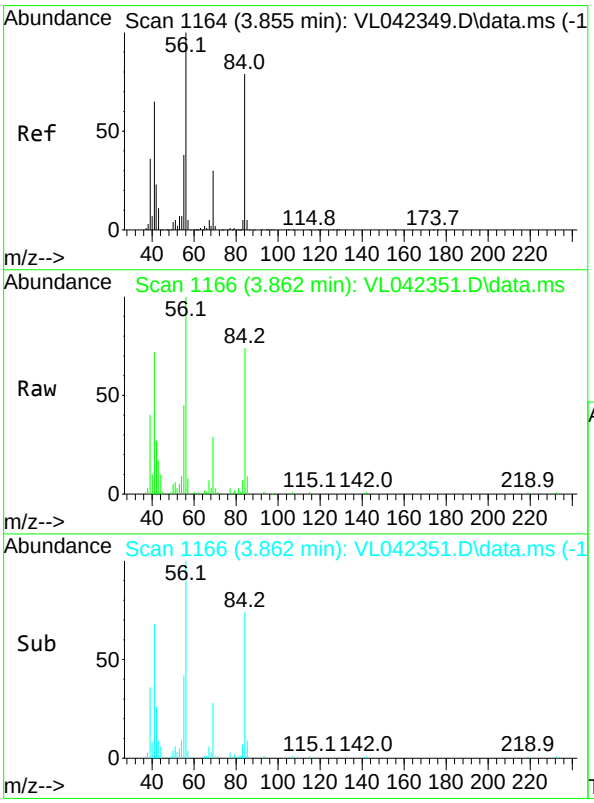
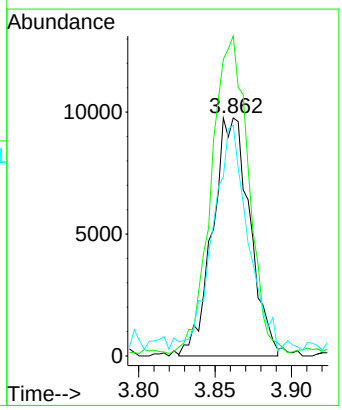
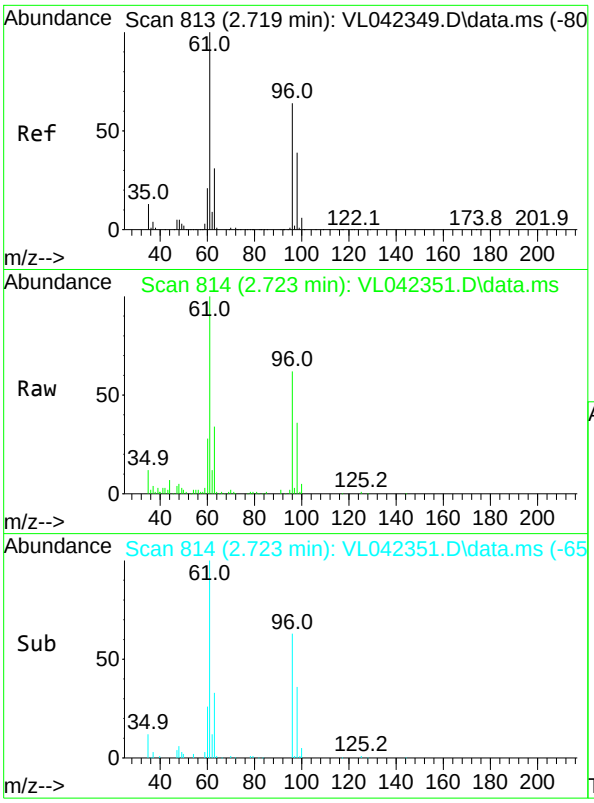


#30
Cyclohexane
Concen: 1.013 ppbv m
RT: 3.862 min Scan# 1166
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 84 Resp: 16547

Ion	Ratio	Lower	Upper
84	100		
56	134.2	101.0	151.4
41	85.1	67.4	101.0

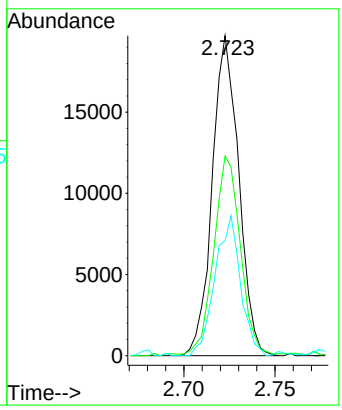




#31
cis-1,2-Dichloroethene
Concen: 1.032 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 61 Resp: 1990

Ion	Ratio	Lower	Upper
61	100		
96	61.9	50.8	76.2
98	35.9	30.9	46.3



Instrument :
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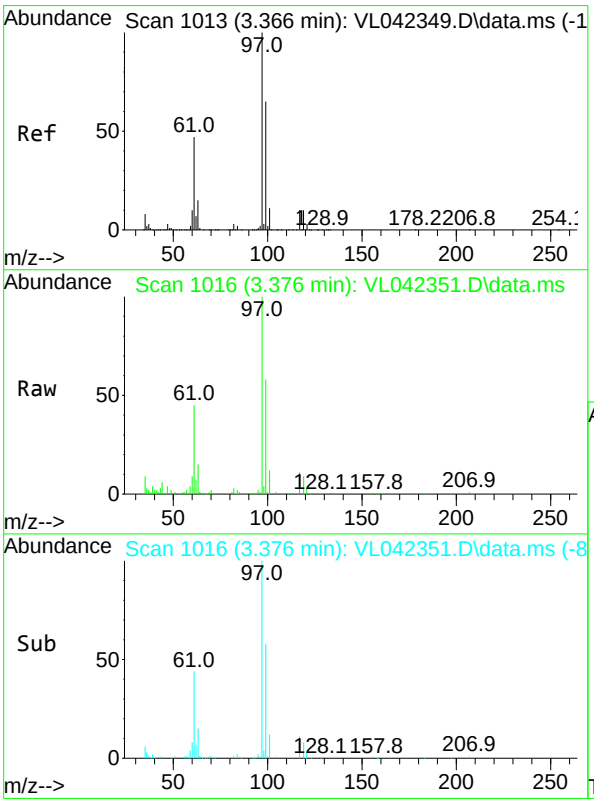
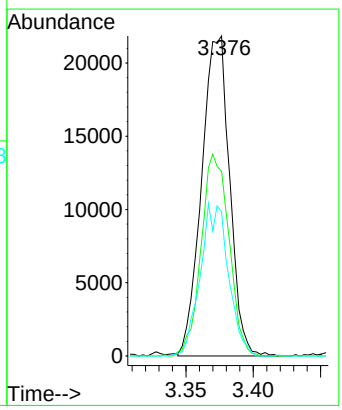
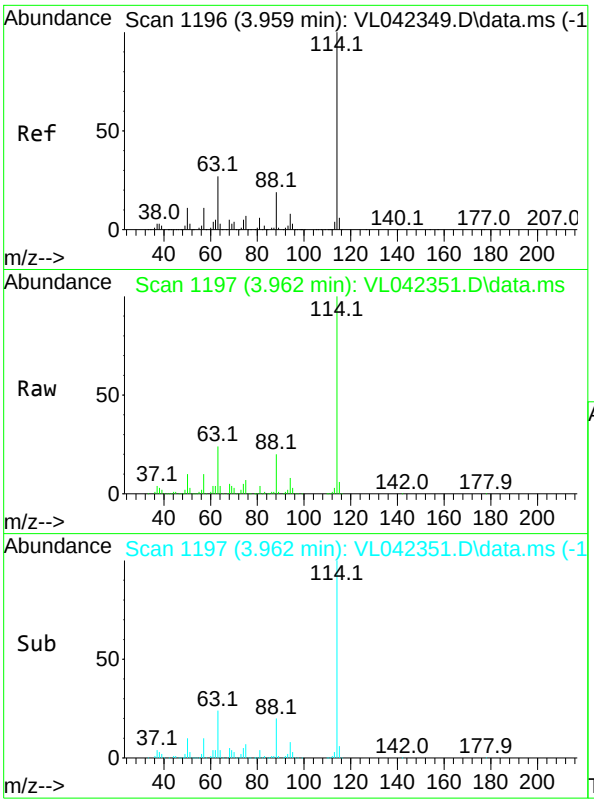


#32
1,1,1-Trichloroethane
Concen: 1.030 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 97 Resp: 31653

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.4
61	47.6	38.8	58.2

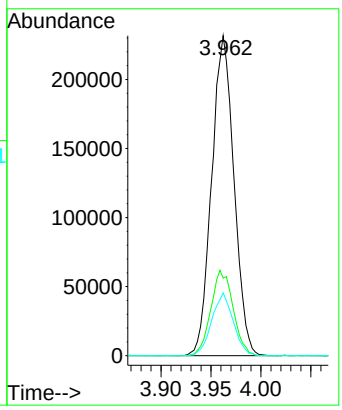




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:114 Resp: 35990

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.8	32.6
88	18.8	15.5	23.3



Instrument :
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ClientSampleId :
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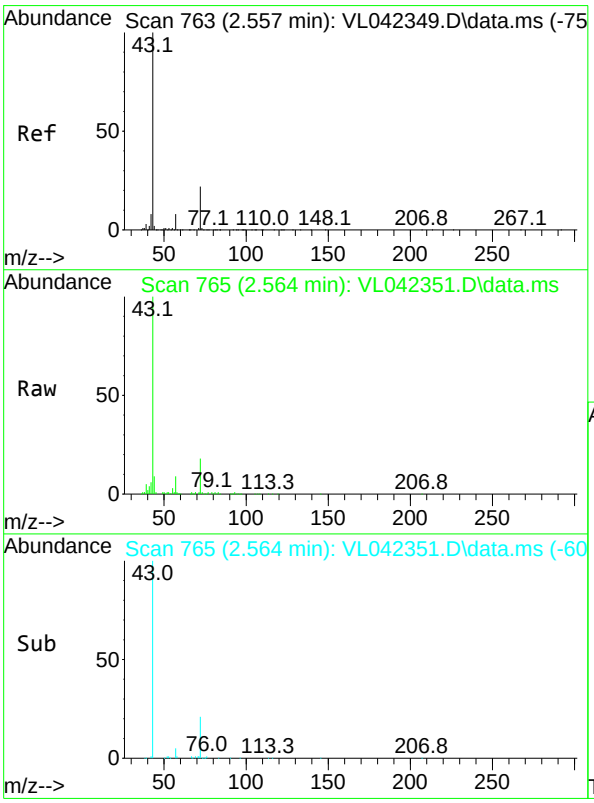
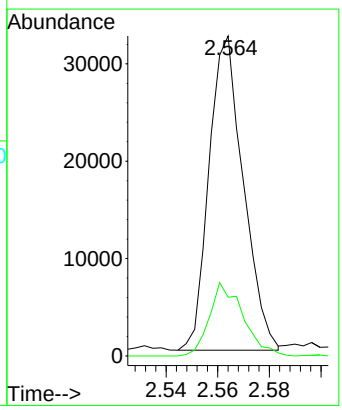
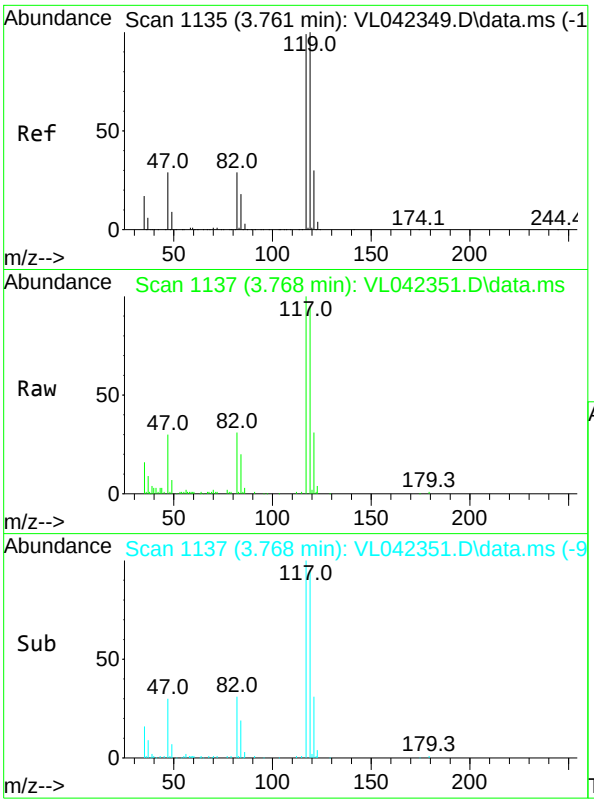


#34
2-Butanone
Concen: 1.045 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 29735

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.2	27.2

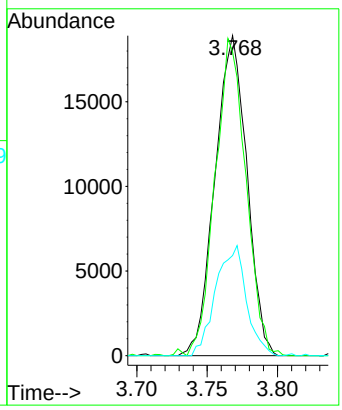




#35
Carbon Tetrachloride
Concen: 0.917 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:117 Resp: 2987

Ion	Ratio	Lower	Upper
117	100		
119	93.3	80.5	120.7
121	31.3	24.2	36.2



Instrument :
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ClientSampleId :
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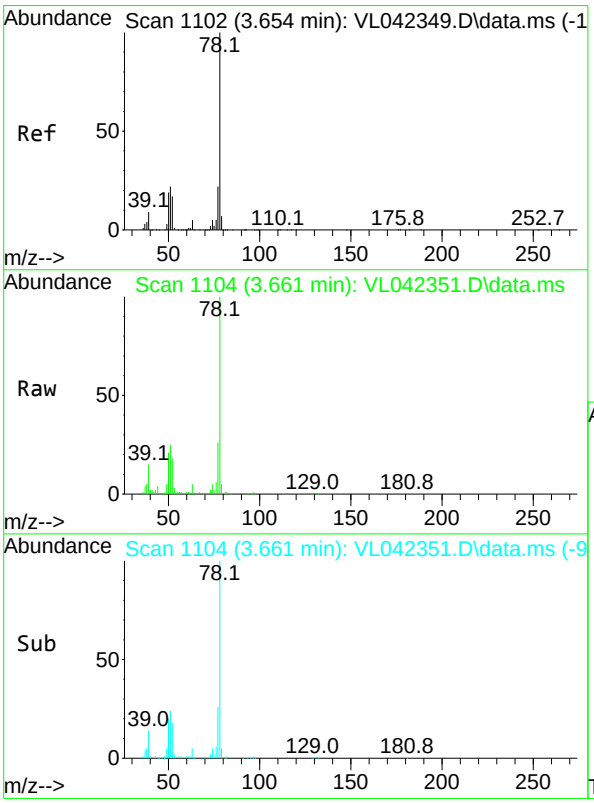
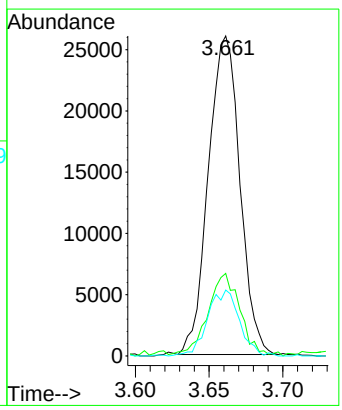
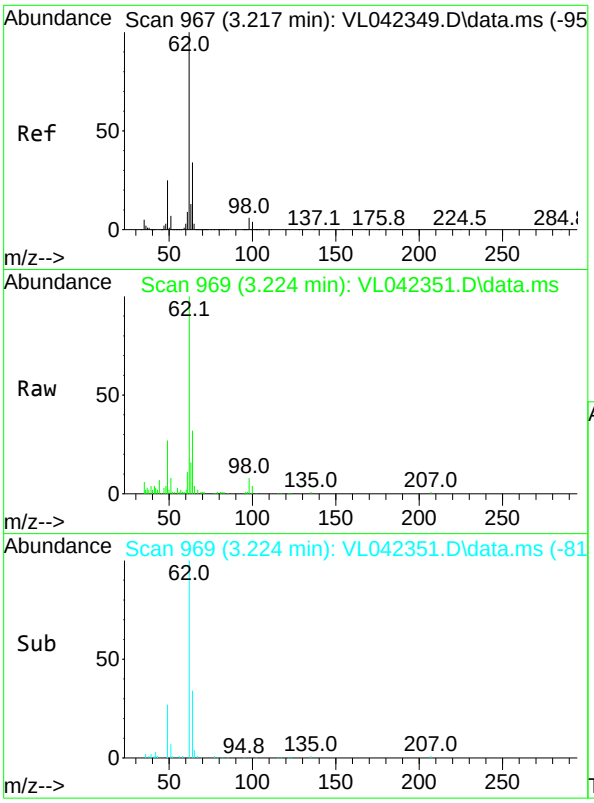


#36
Benzene
Concen: 0.997 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 78 Resp: 38707

Ion	Ratio	Lower	Upper
78	100		
77	24.7	17.4	26.0
50	20.7	15.5	23.3

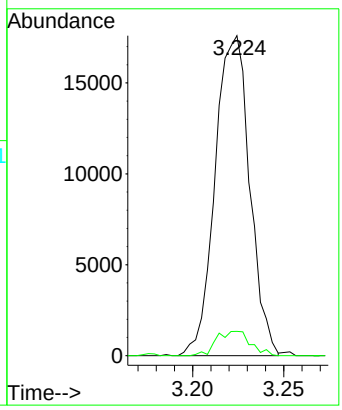




#37
1,2-Dichloroethane
Concen: 0.999 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 62 Resp: 2328

Ion	Ratio	Lower	Upper
62	100		
98	7.5	5.1	7.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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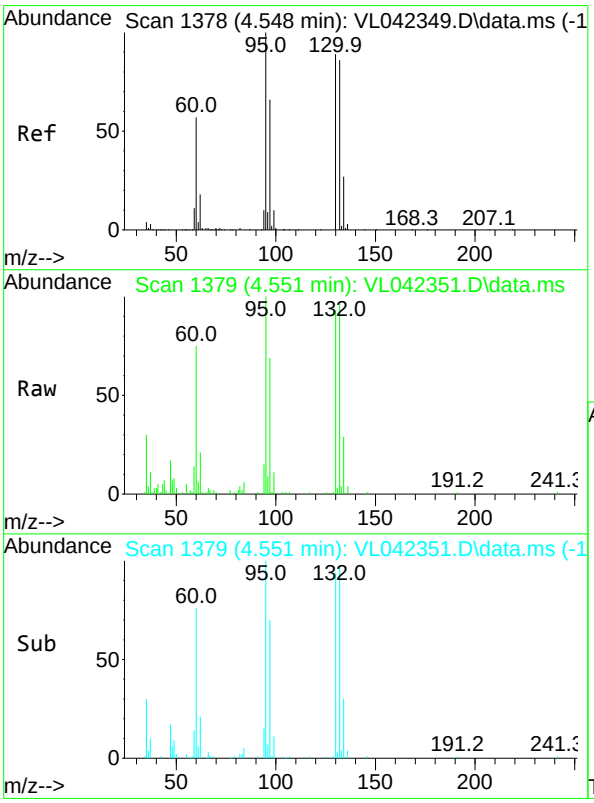
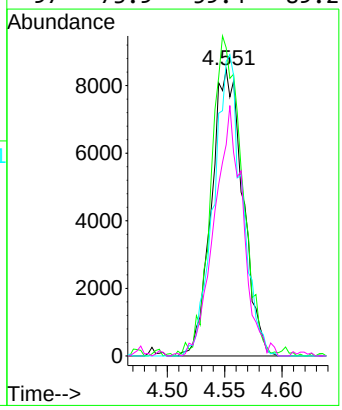
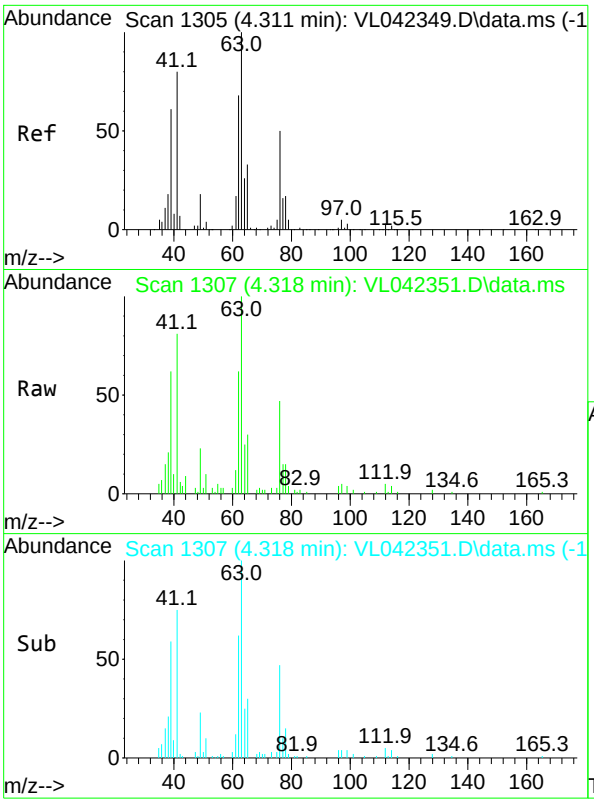


#38
Trichloroethene
Concen: 0.947 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:130 Resp: 16119

Ion	Ratio	Lower	Upper
130	100		
95	106.6	89.8	134.6
132	102.9	77.7	116.5
97	73.9	59.4	89.2

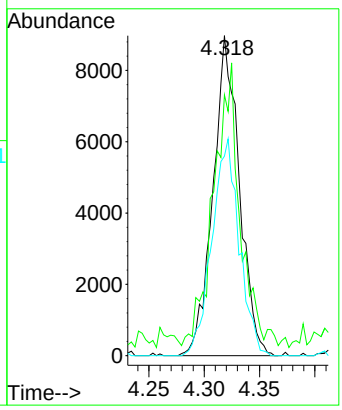




#39
1,2-Dichloropropane
Concen: 1.027 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 63 Resp: 1486

Ion	Ratio	Lower	Upper
63	100		
41	78.3	64.2	96.2
62	62.3	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
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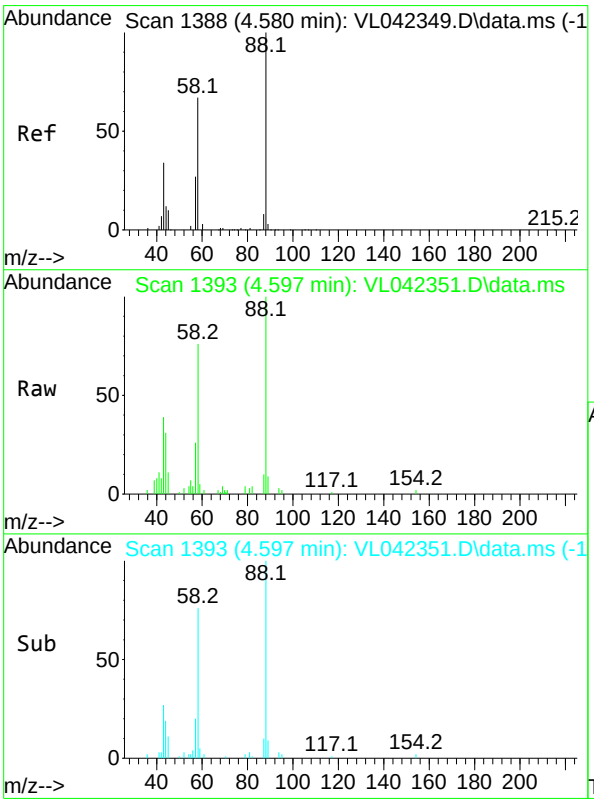
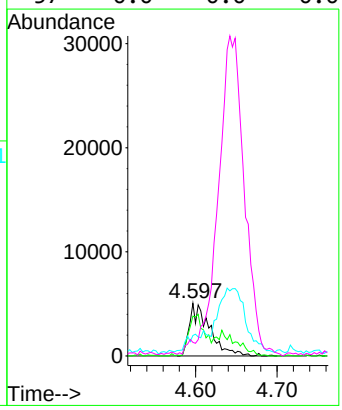
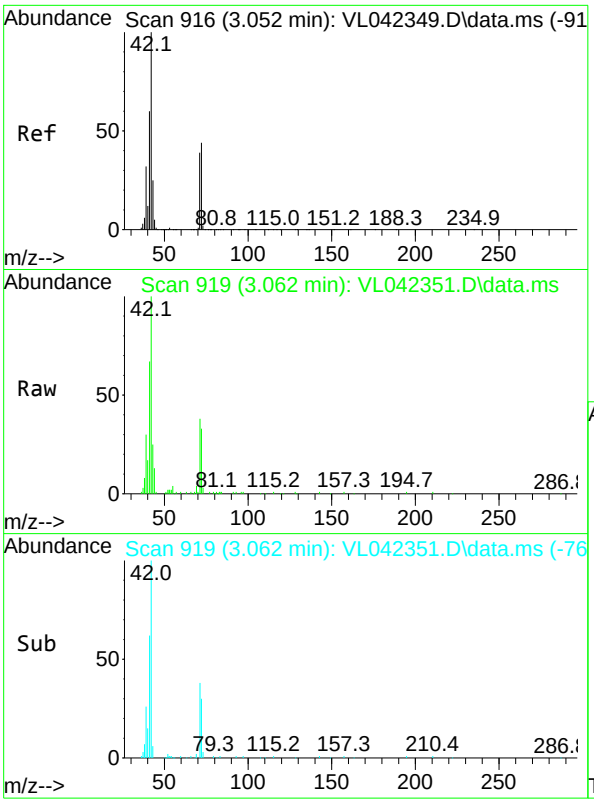


#40
1,4-Dioxane
Concen: 1.114 ppbv m
RT: 4.597 min Scan# 1393
Delta R.T. 0.017 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 88 Resp: 8737

Ion	Ratio	Lower	Upper
88	100		
58	110.6	61.4	92.0#
43	0.0	23.2	34.8#
57	0.0	0.0	0.0

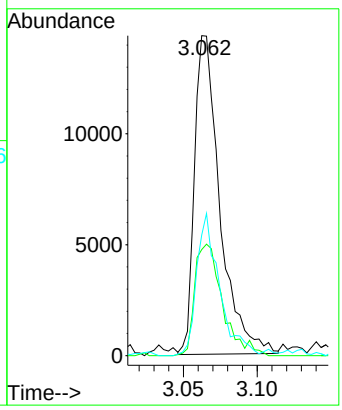




#41
Tetrahydrofuran
Concen: 1.049 ppbv
RT: 3.062 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 42 Resp: 1725

Ion	Ratio	Lower	Upper
42	100		
72	38.1	32.3	48.5
71	42.3	31.4	47.2



Instrument :
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ClientSampleId :
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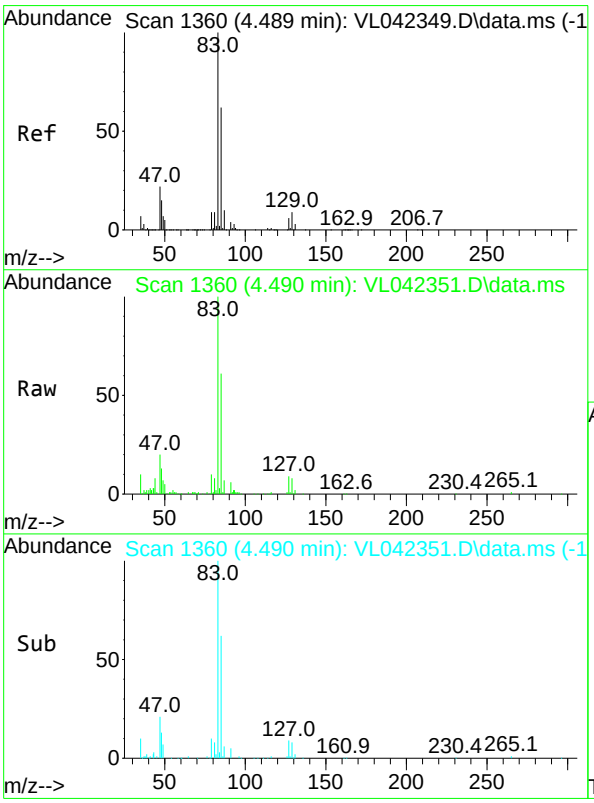
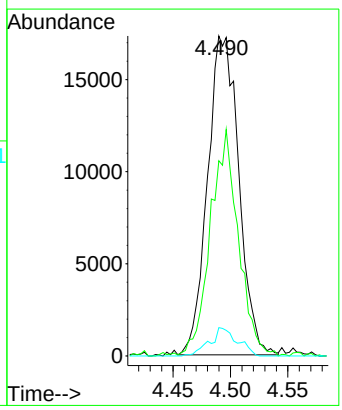
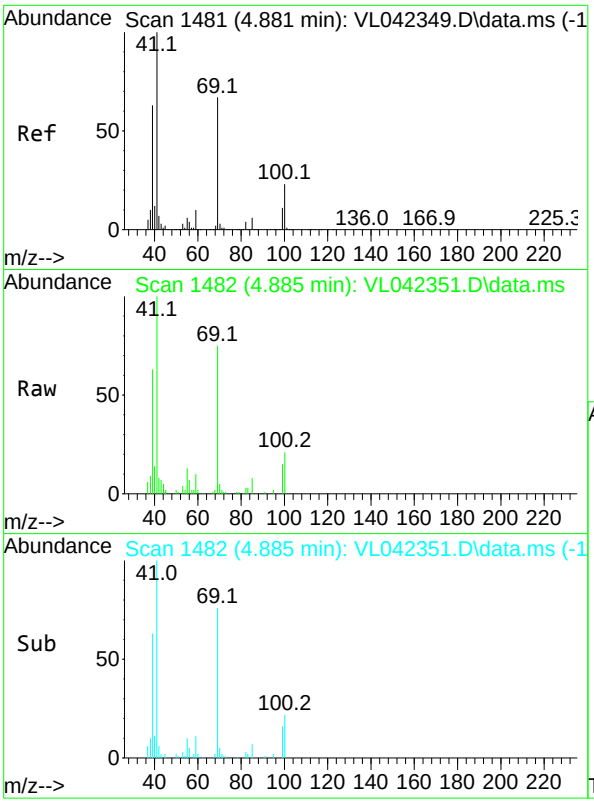


#42
Bromodichloromethane
Concen: 1.009 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 83 Resp: 32721

Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.7	74.5
127	8.9	5.1	7.7#

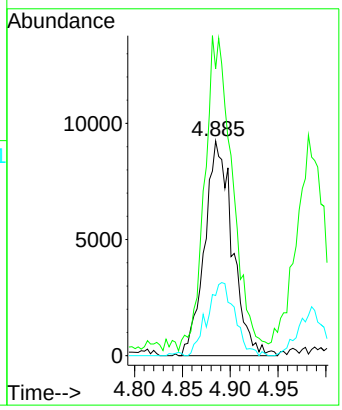




#43
Methyl Methacrylate
Concen: 1.073 ppbv m
RT: 4.885 min Scan# 14
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 69 Resp: 1869

Ion	Ratio	Lower	Upper
69	100		
41	149.3	118.6	177.8
100	0.0	28.2	42.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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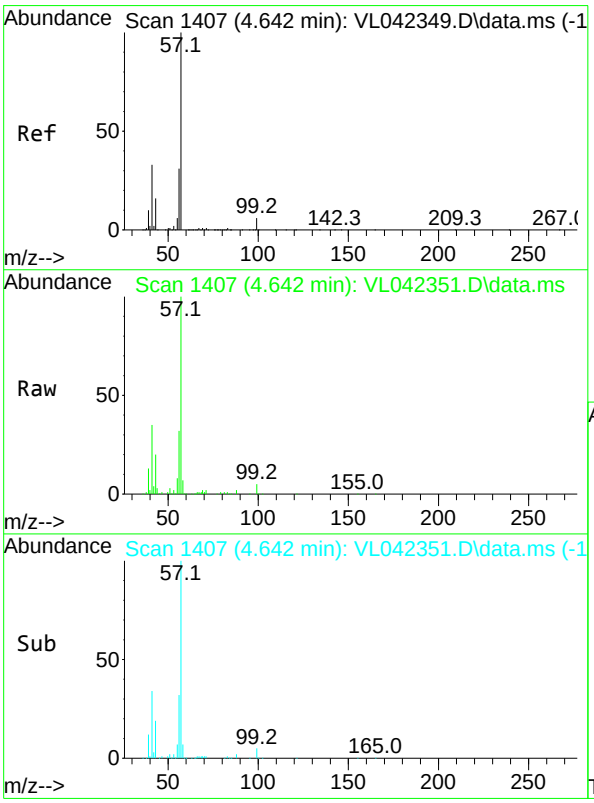
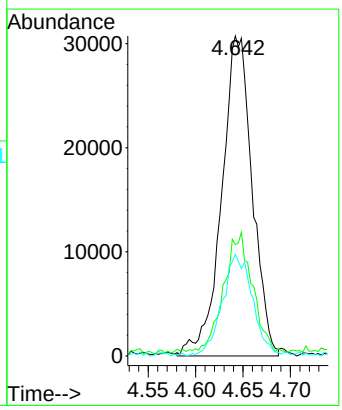
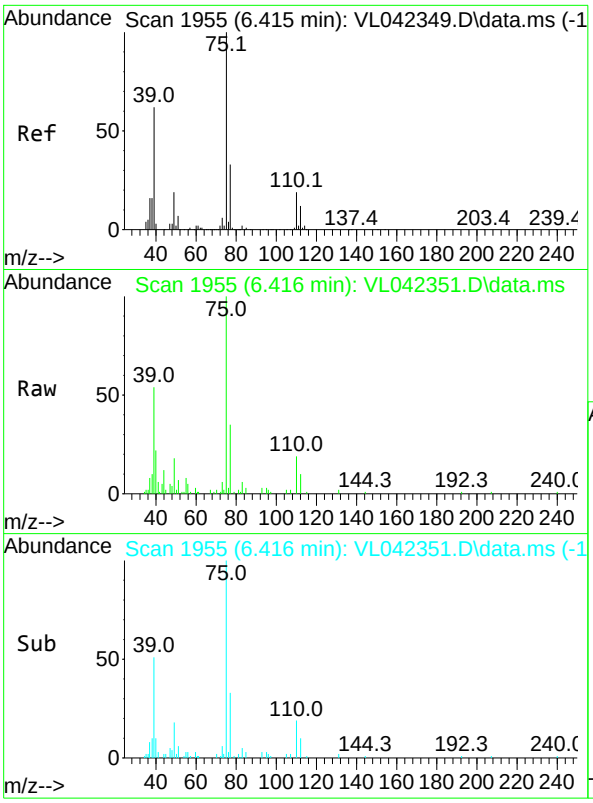


#44
2,2,4-Trimethylpentane
Concen: 1.027 ppbv m
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 68946

Ion	Ratio	Lower	Upper
57	100		
41	37.9	27.2	40.8
56	0.0	25.7	38.5#

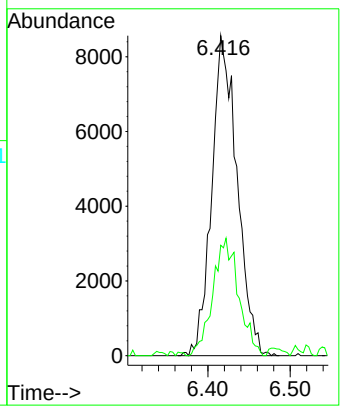




#45
t-1,3-Dichloropropene
Concen: 1.026 ppbv m
RT: 6.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 75 Resp: 1834

Ion	Ratio	Lower	Upper
75	100		
77	34.5	27.0	40.6



Instrument :
MSVOA_L
ClientSampleId :
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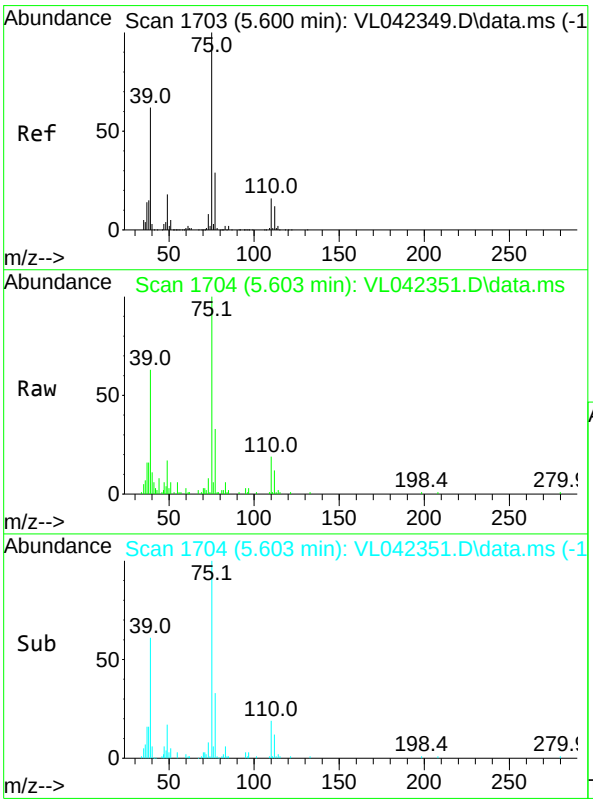
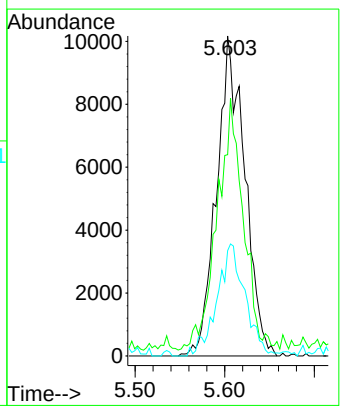
Supervised By :Mahesh Dadoda 04/18/2025

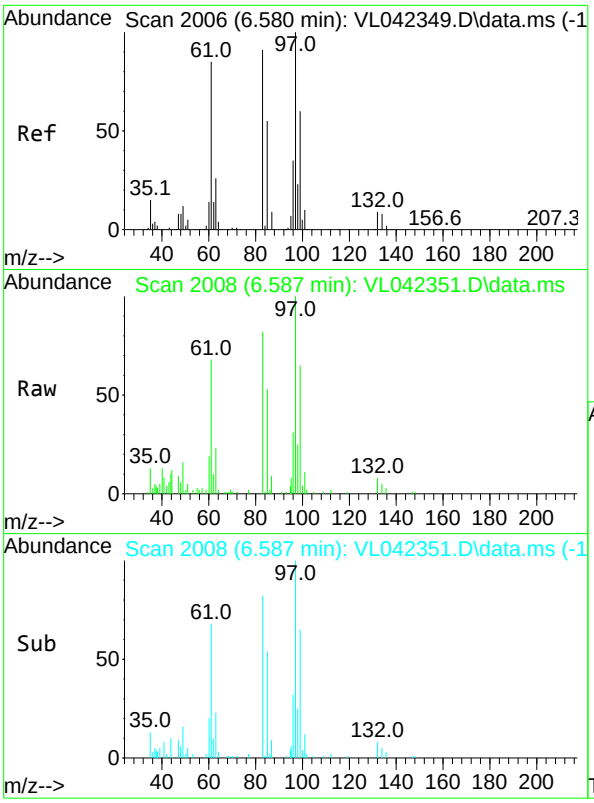


#46
cis-1,3-Dichloropropene
Concen: 1.015 ppbv m
RT: 5.603 min Scan# 1704
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 75 Resp: 22189

Ion	Ratio	Lower	Upper
75	100		
39	62.9	50.0	75.0
77	32.9	23.0	34.6

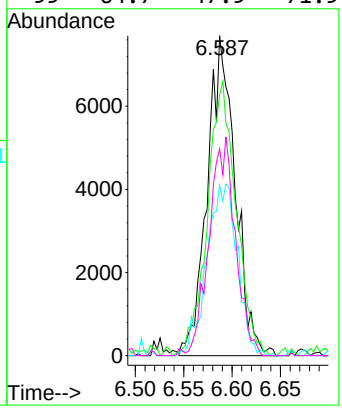




#47
1,1,2-Trichloroethane
Concen: 1.048 ppbv m
RT: 6.587 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 97 Resp: 1545

Ion	Ratio	Lower	Upper
97	100		
83	81.5	72.8	109.2
85	53.2	44.2	66.4
99	64.7	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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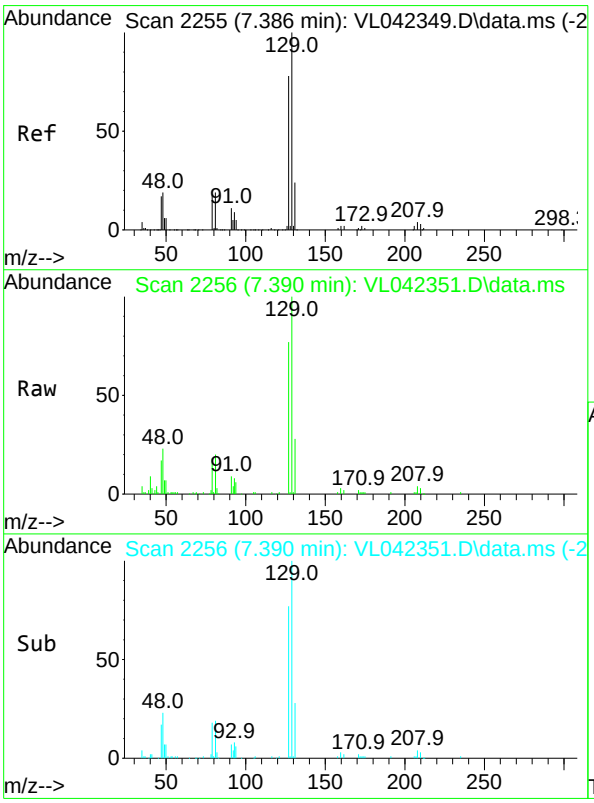
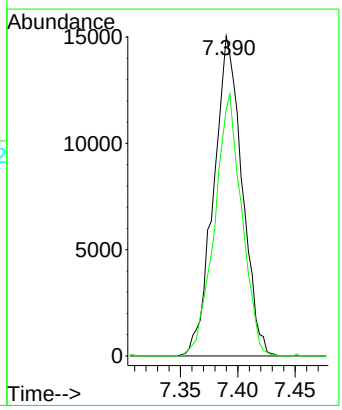
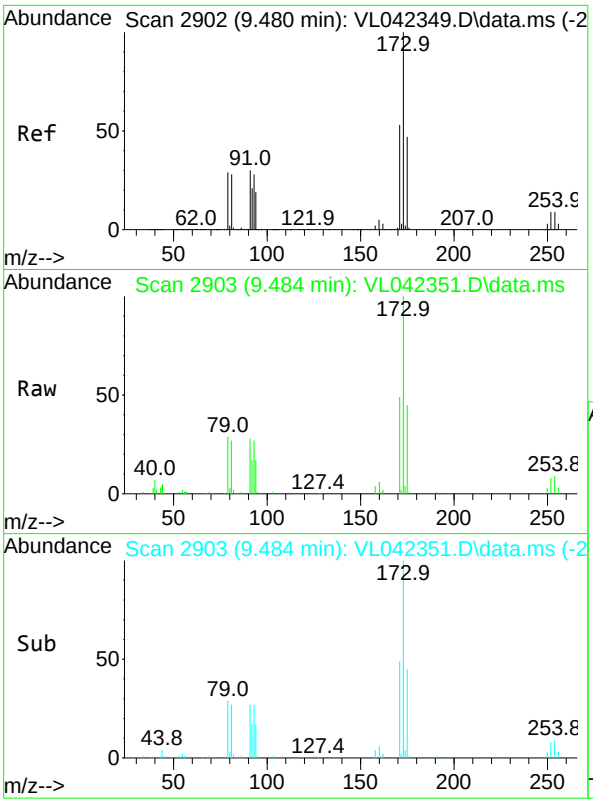


#48
Dibromochloromethane
Concen: 0.997 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:129 Resp: 25948

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3

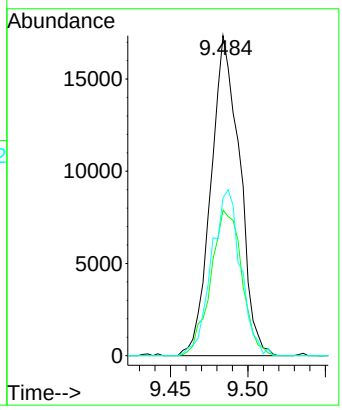




#49
Bromoform
Concen: 0.984 ppbv
RT: 9.484 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:173 Resp: 2241

Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.2	57.2
171	52.7	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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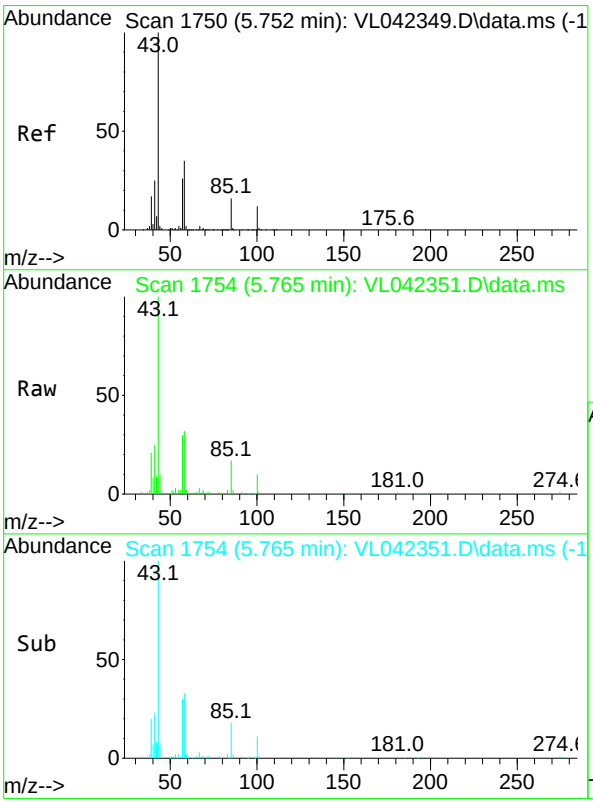
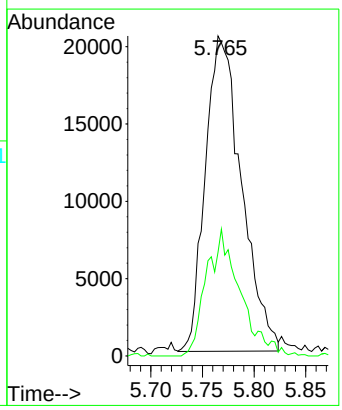
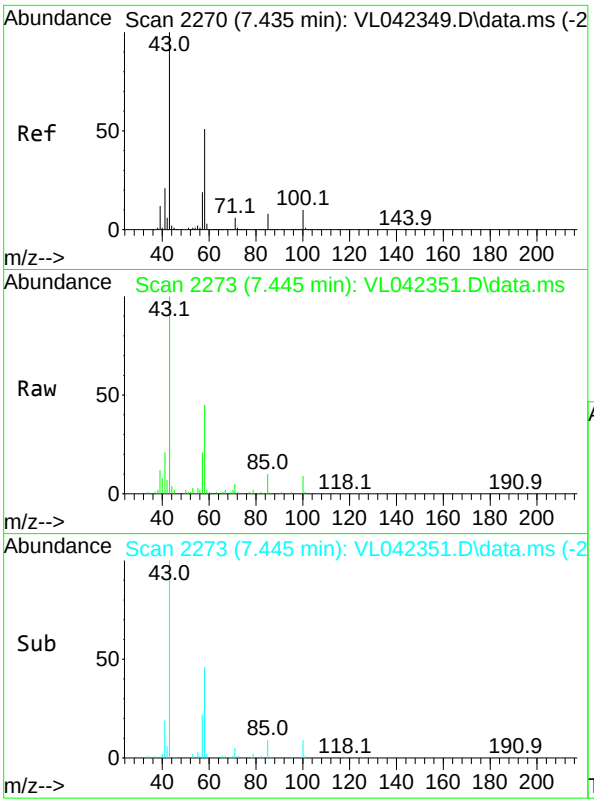


#50
4-Methyl-2-Pentanone
Concen: 1.049 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.013 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 49725

Ion	Ratio	Lower	Upper
43	100		
58	37.7	28.6	43.0

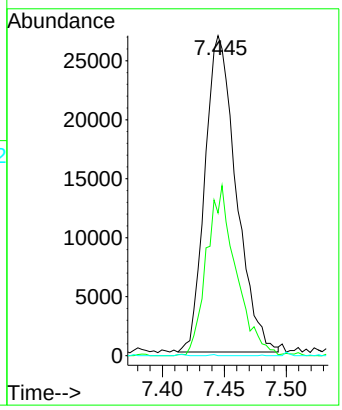




#51
2-Hexanone
Concen: 1.103 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 4717

Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.2	60.4
98	0.1	0.1	0.1



Instrument :
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ClientSampleId :
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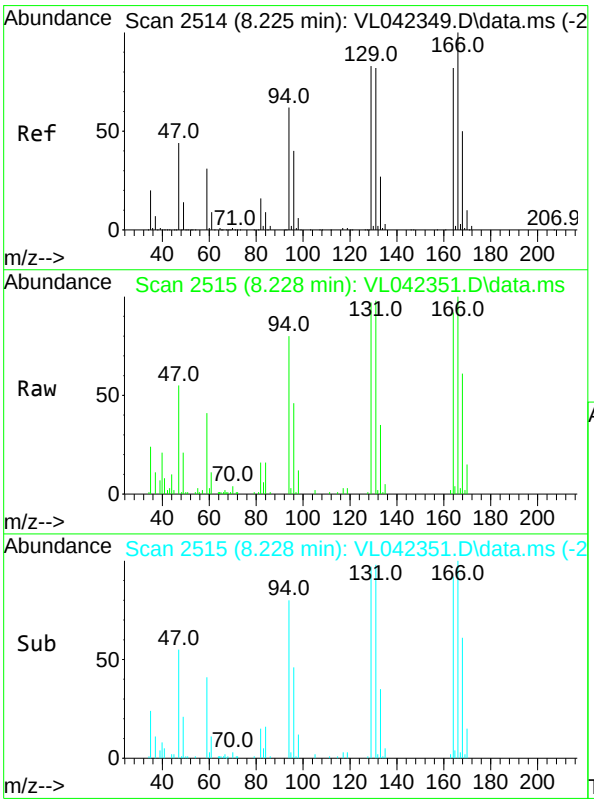
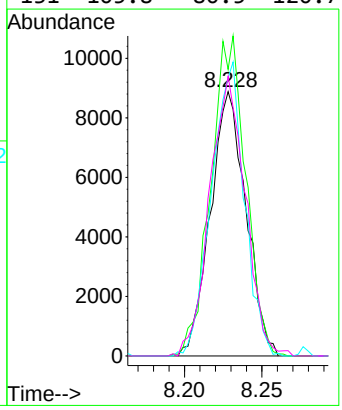
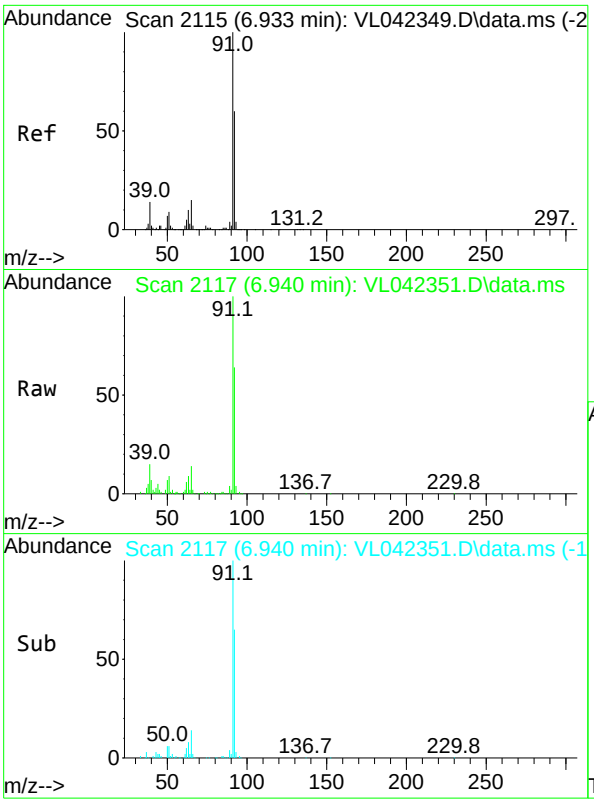


#52
Tetrachloroethene
Concen: 0.943 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:164 Resp: 14154

Ion	Ratio	Lower	Upper
164	100		
166	107.7	98.2	147.2
129	104.2	81.8	122.8
131	105.8	80.5	120.7

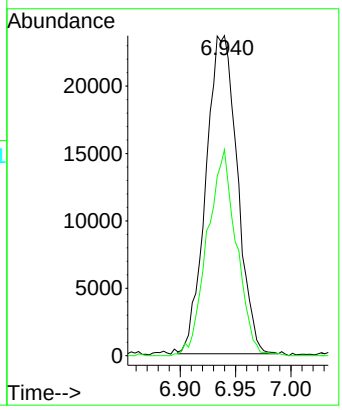




#53
Toluene
Concen: 1.001 ppbv
RT: 6.940 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 4661

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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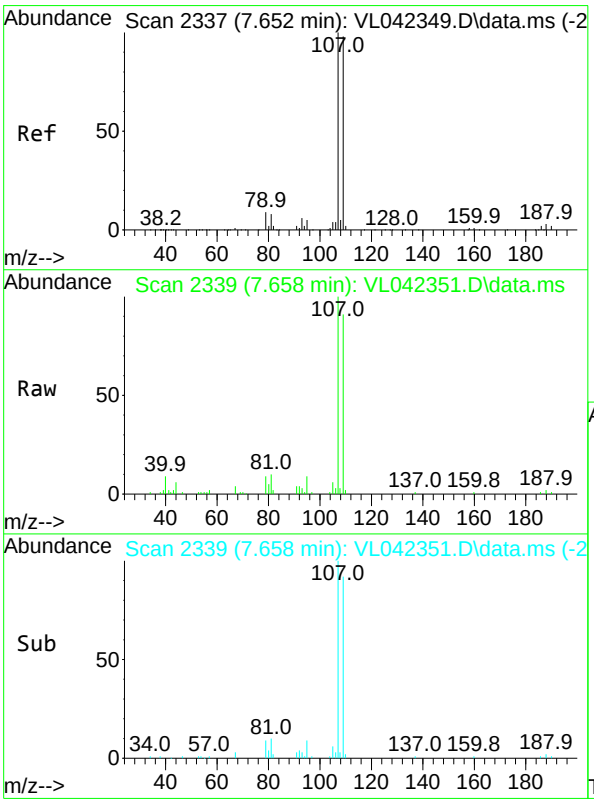
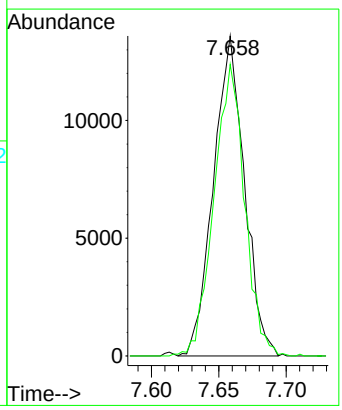
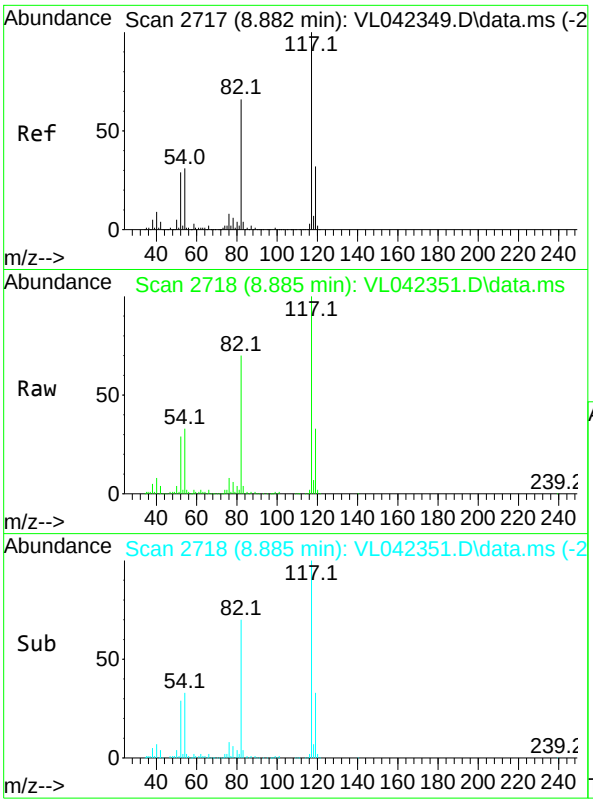


#54
1,2-Dibromoethane
Concen: 1.036 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:107 Resp: 21780

Ion	Ratio	Lower	Upper
107	100		
109	90.7	78.2	117.4

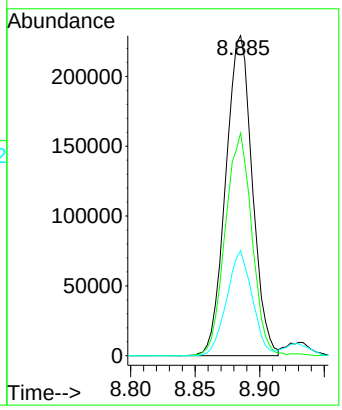




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:117 Resp: 32909

Ion	Ratio	Lower	Upper
117	100		
82	69.7	57.8	86.6
119	31.8	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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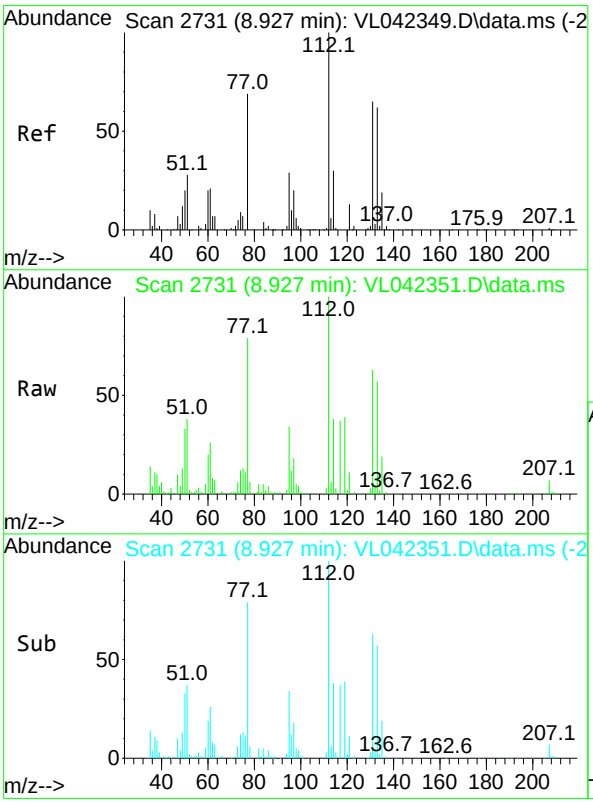
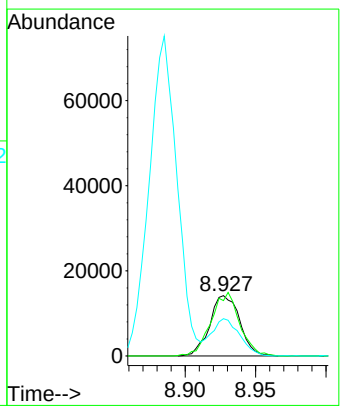
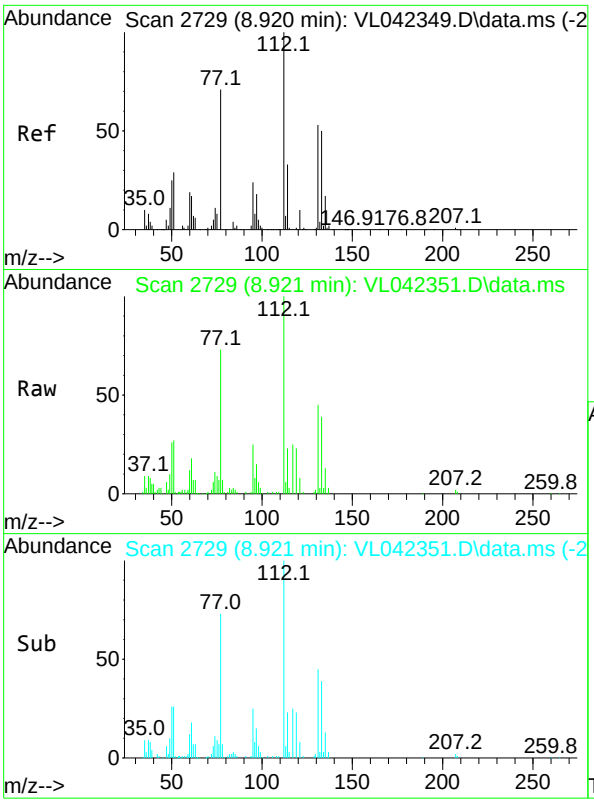


#56
1,1,1,2-Tetrachloroethane
Concen: 1.057 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:131 Resp: 21052

Ion	Ratio	Lower	Upper
131	100		
133	100.5	78.3	117.5
119	55.1	48.7	73.1

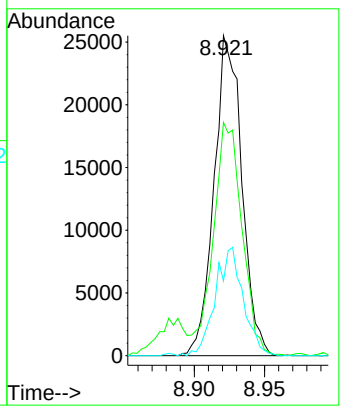




#57
Chlorobenzene
Concen: 1.026 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:112 Resp: 3511

Ion	Ratio	Lower	Upper
112	100		
77	72.4	57.8	86.6
114	23.3	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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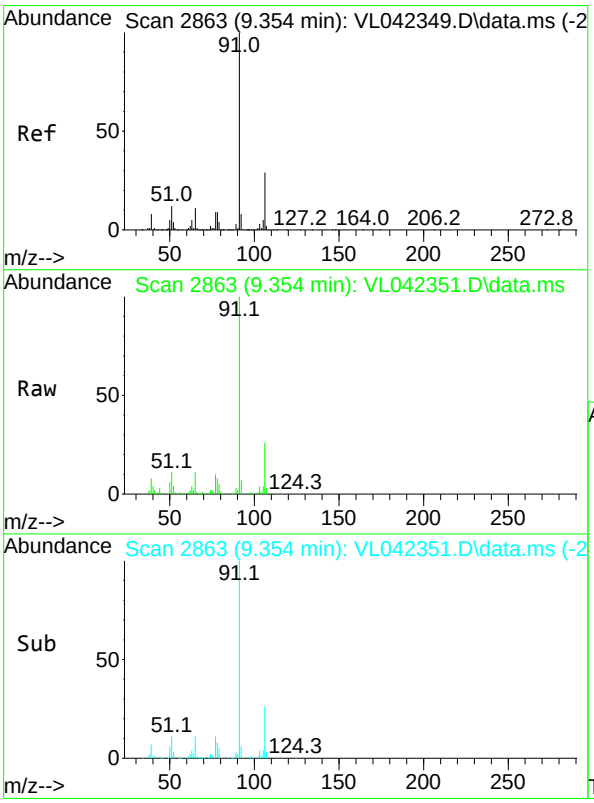
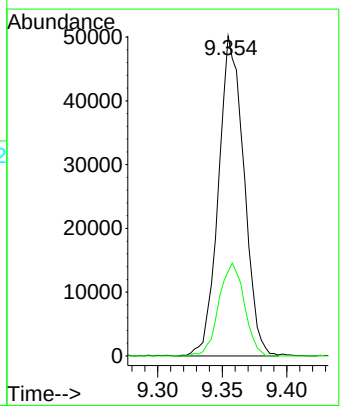
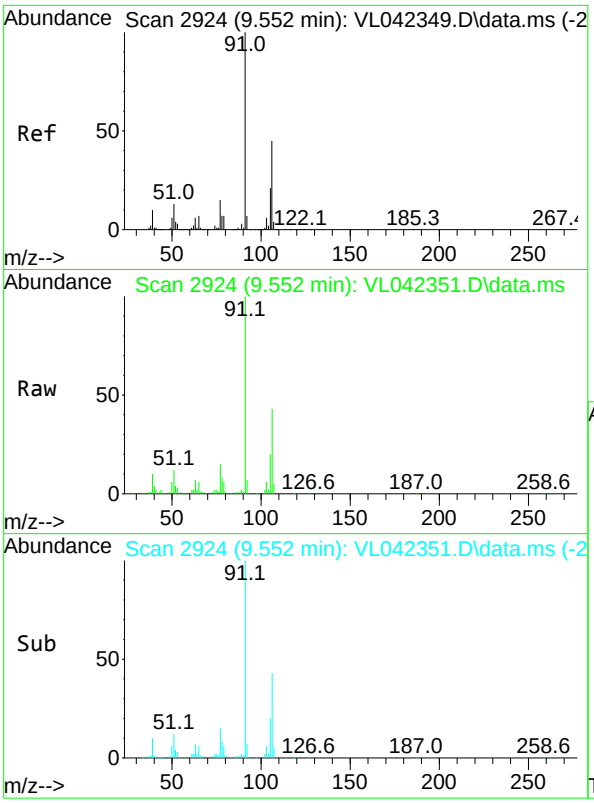


#58
Ethyl Benzene
Concen: 1.054 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 68703

Ion	Ratio	Lower	Upper
91	100		
106	26.5	23.0	34.4





#59
m/p-Xylene
Concen: 2.101 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 11070

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
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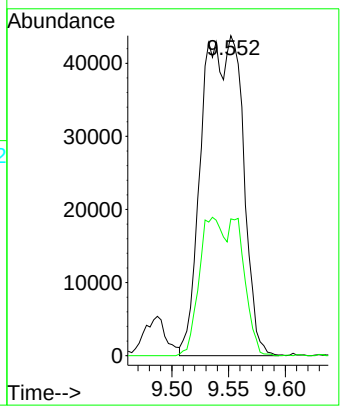
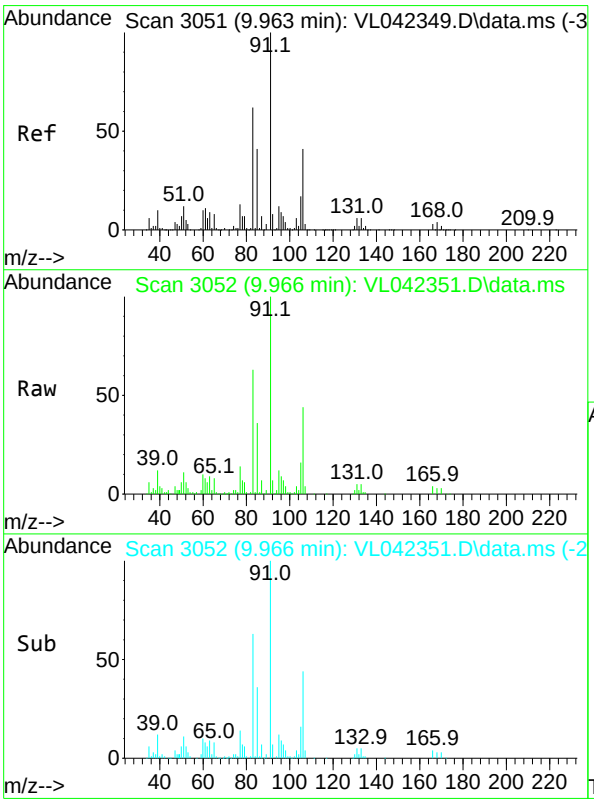
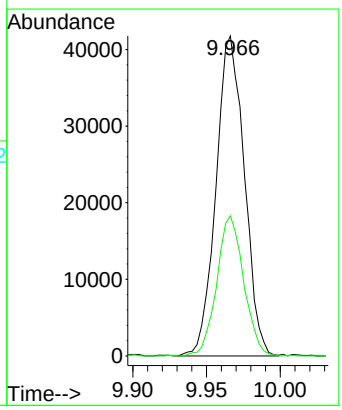


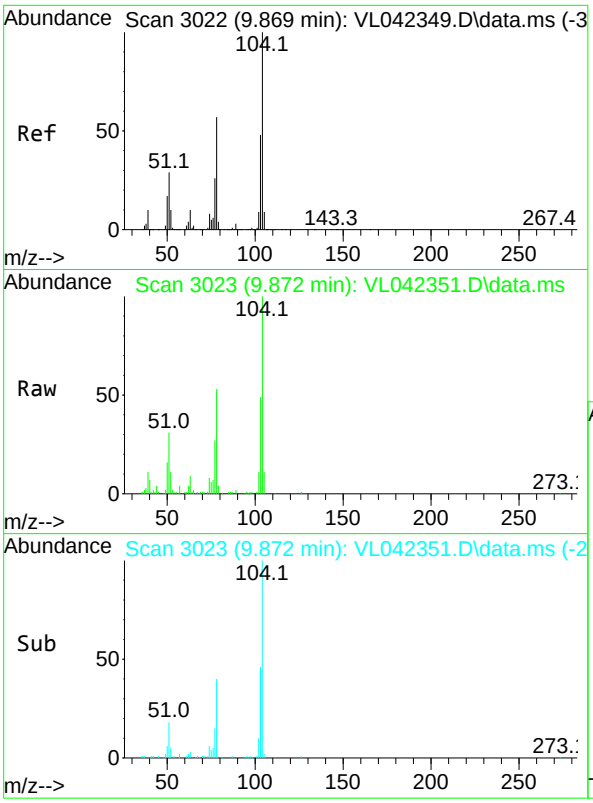


#60
o-Xylene
Concen: 1.056 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 55831

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.1	63.4

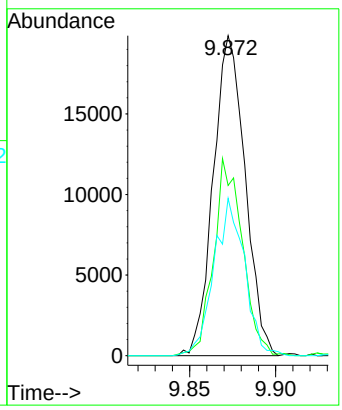




#61
Styrene
Concen: 1.012 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:104 Resp: 2554

Ion	Ratio	Lower	Upper
104	100		
78	55.7	44.6	66.8
103	47.2	37.4	56.0



Instrument :
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ClientSampleId :
VSTDICC001

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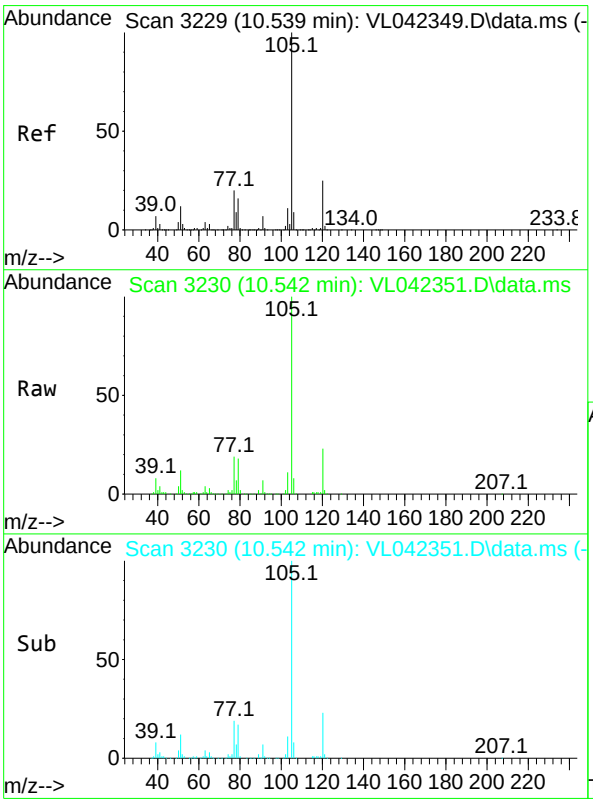
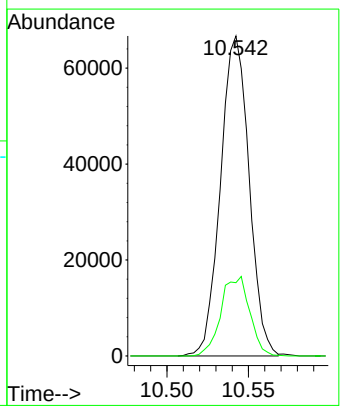
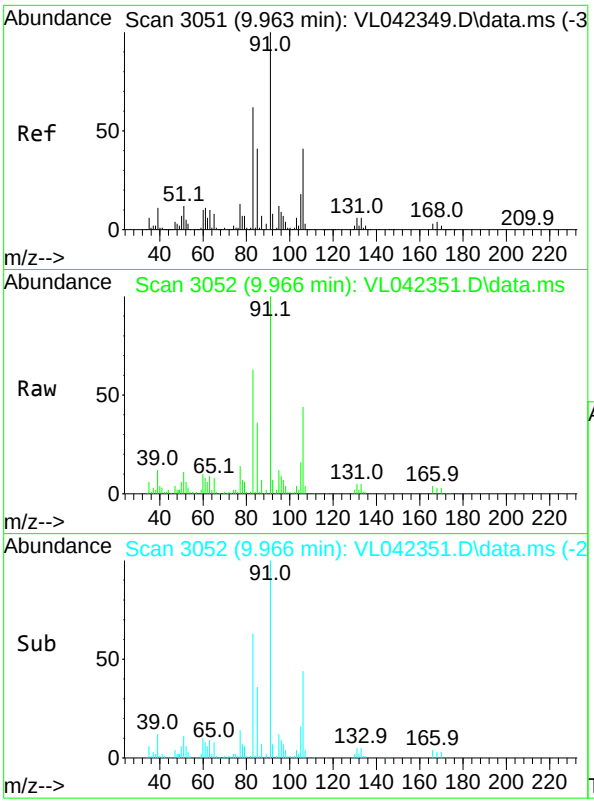


#62
Isopropylbenzene
Concen: 1.047 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 81286

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8

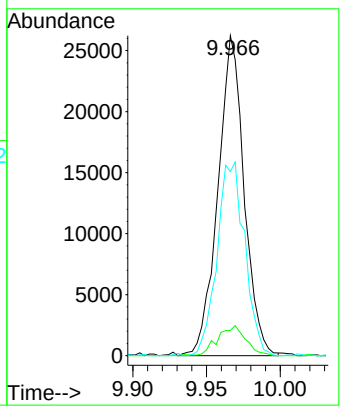




#63
1,1,2,2-Tetrachloroethane
Concen: 0.943 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 83 Resp: 3241

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.5	13.7
85	64.4	32.4	97.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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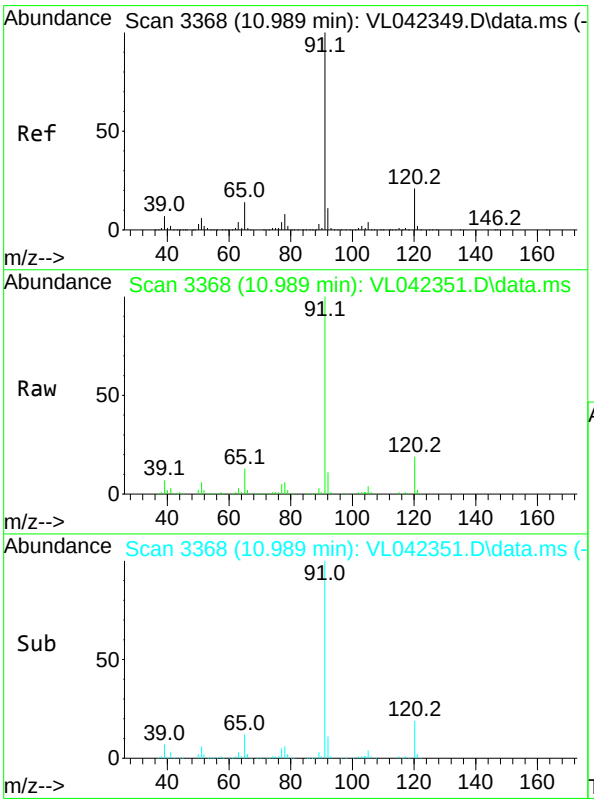
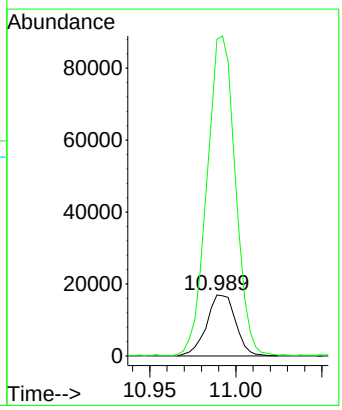
Supervised By :Mahesh Dadoda 04/18/2025

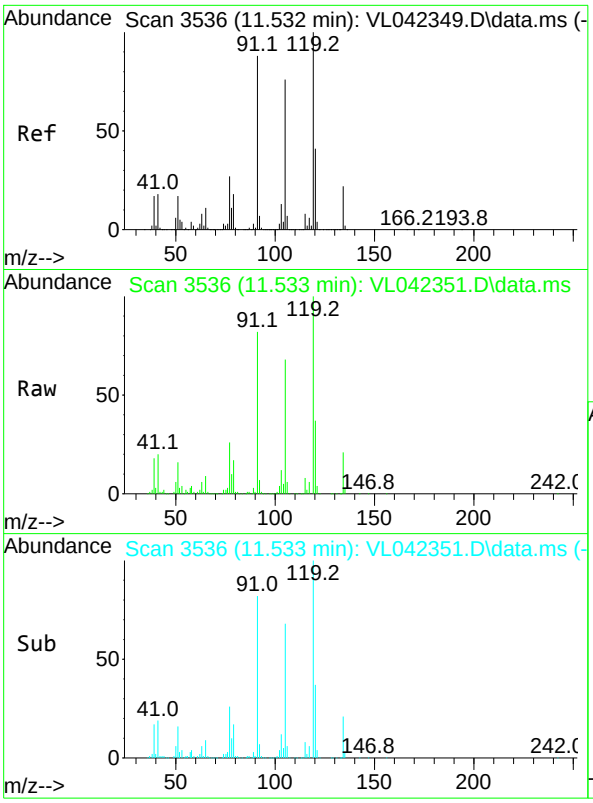


#64
n-propylbenzene
Concen: 1.019 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:120 Resp: 19898

Ion	Ratio	Lower	Upper
120	100		
91	517.6	392.4	588.6

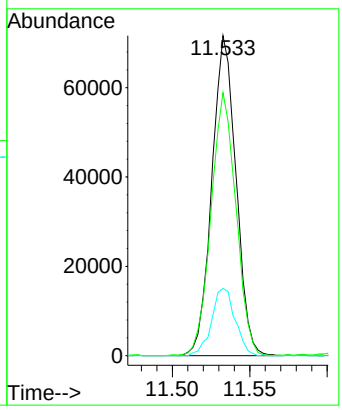




#65
tert-Butylbenzene
Concen: 1.087 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:119 Resp: 7759

Ion	Ratio	Lower	Upper
119	100		
91	85.0	74.6	111.8
134	20.5	18.8	28.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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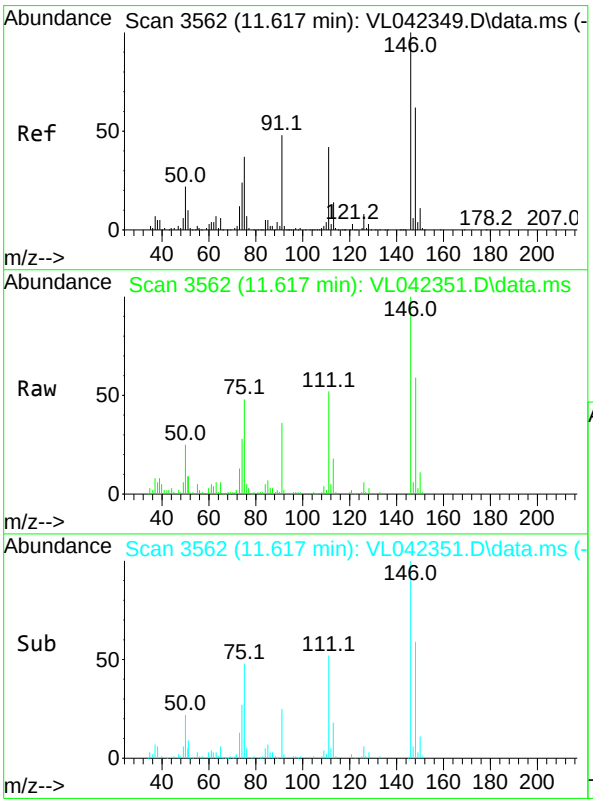
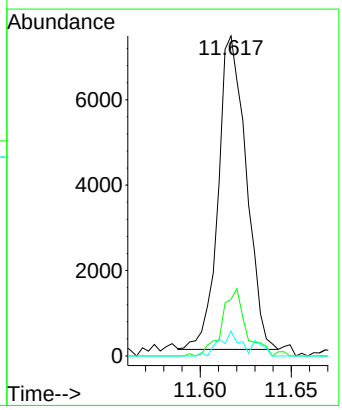
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

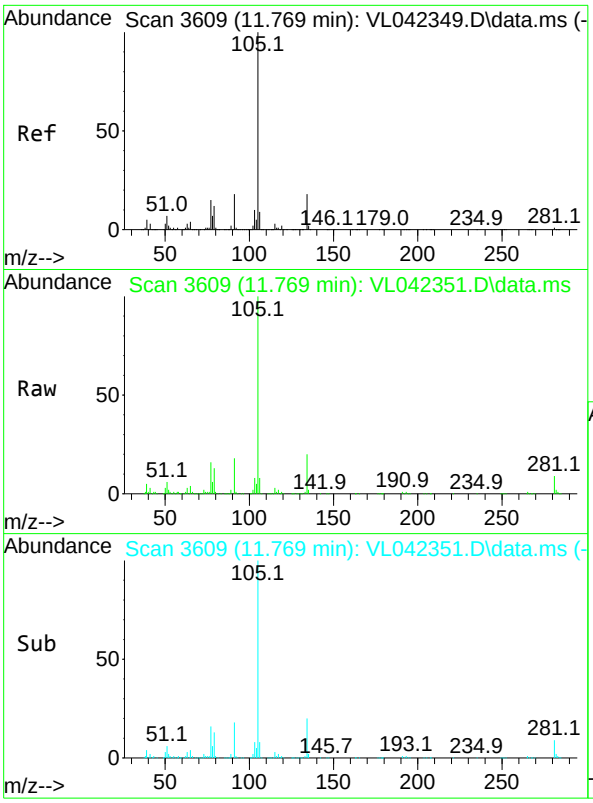


#66
Benzyl Chloride
Concen: 1.003 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 7864

Ion	Ratio	Lower	Upper
91	100		
126	18.6	11.8	17.6#
128	7.7	4.5	6.7#

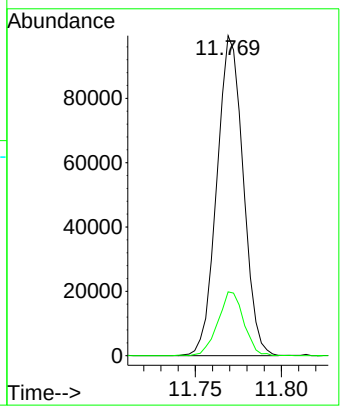




#67
sec-Butylbenzene
Concen: 1.067 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 10591

Ion	Ratio	Lower	Upper
105	100		
134	19.6	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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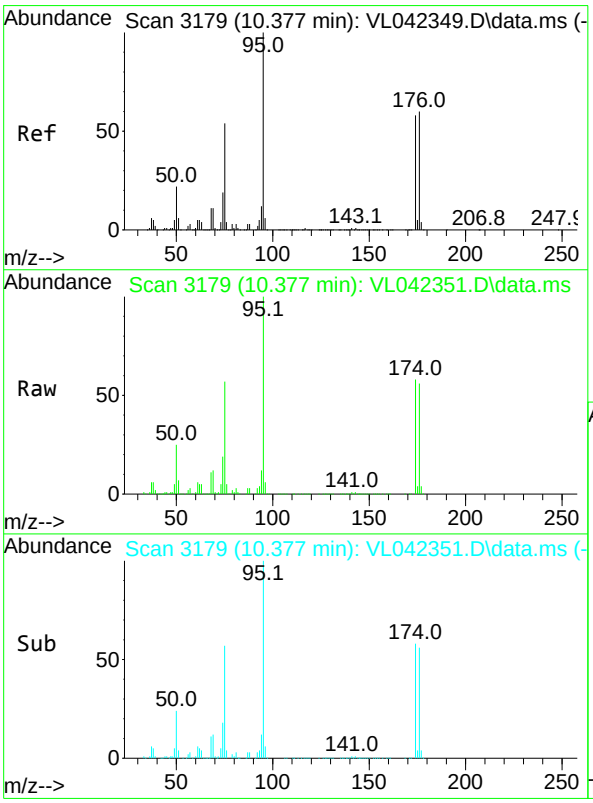
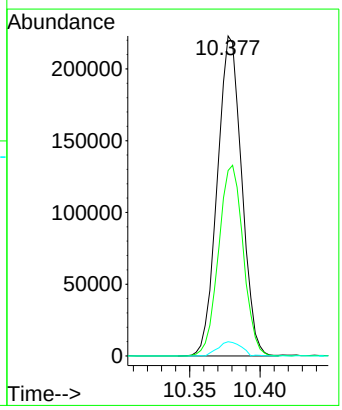
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

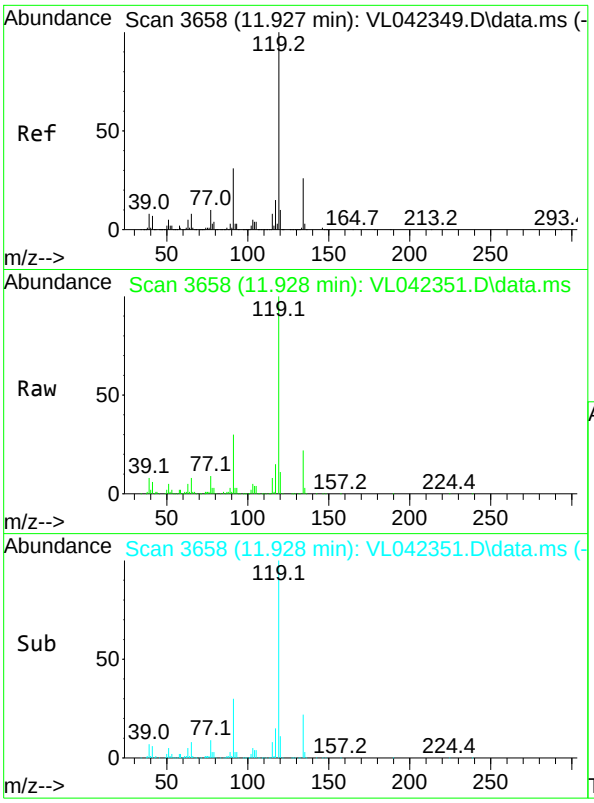


#68
1-Bromo-4-Fluorobenzene
Concen: 9.950 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 95 Resp: 269087

Ion	Ratio	Lower	Upper
95	100		
174	60.4	48.5	72.7
175	4.3	3.7	5.5

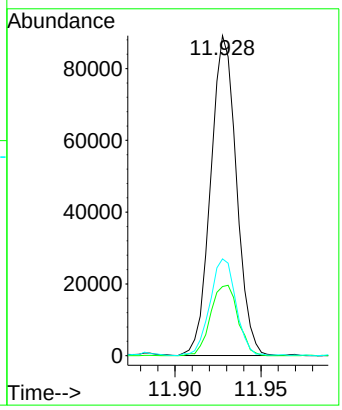




#69
p-Isopropyltoluene
Concen: 1.075 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:119 Resp: 9273

Ion	Ratio	Lower	Upper
119	100		
134	23.5	20.0	30.0
91	32.1	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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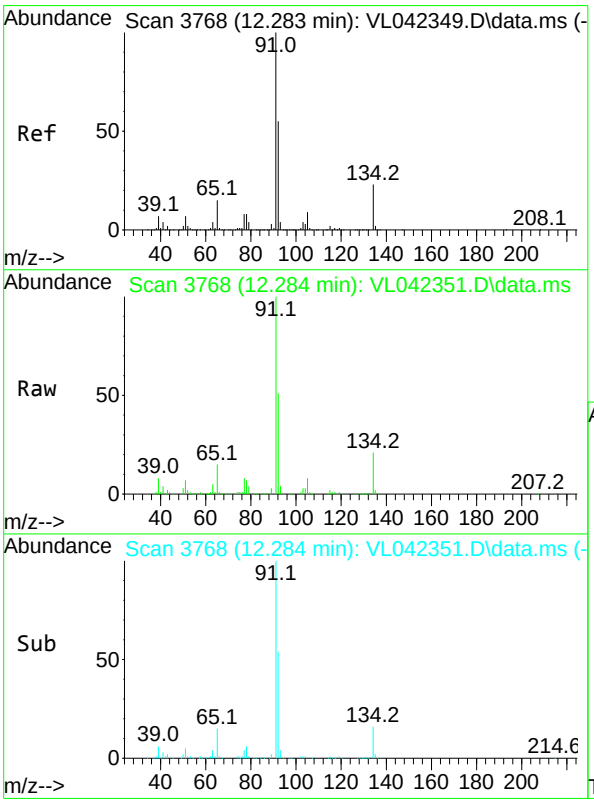
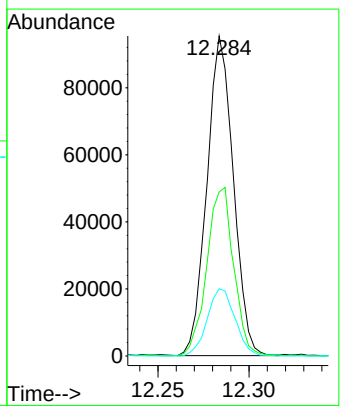
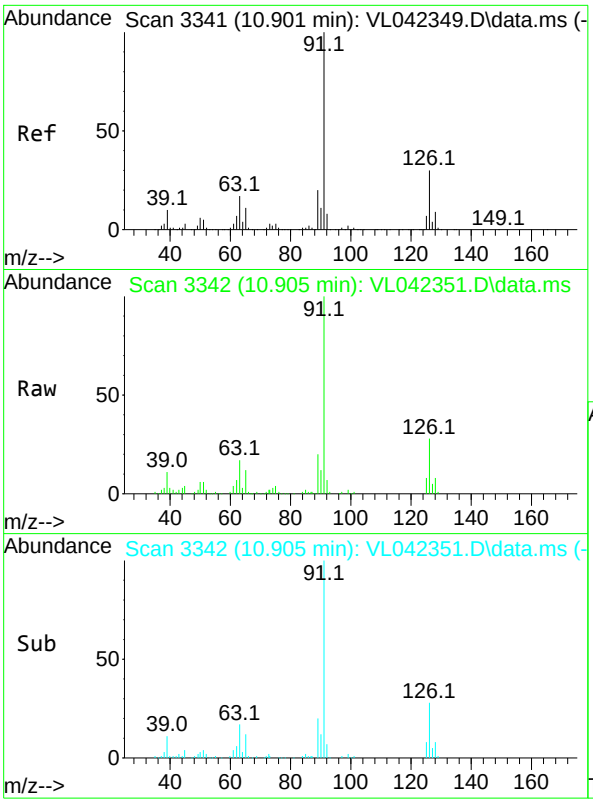


#70
n-Butylbenzene
Concen: 1.072 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 96306

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.2	66.4
134	22.1	18.2	27.4

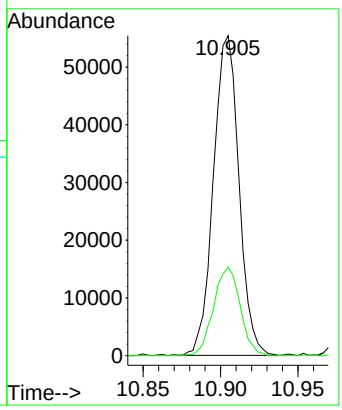




#71
2-Chlorotoluene
Concen: 1.040 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 6332

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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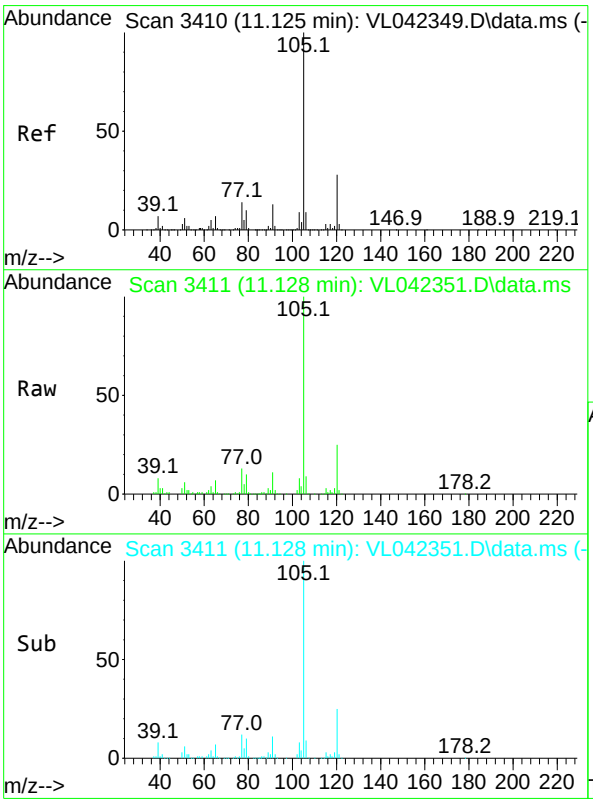
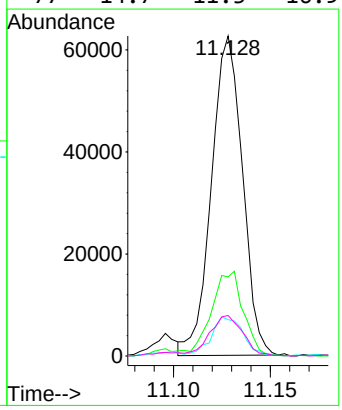
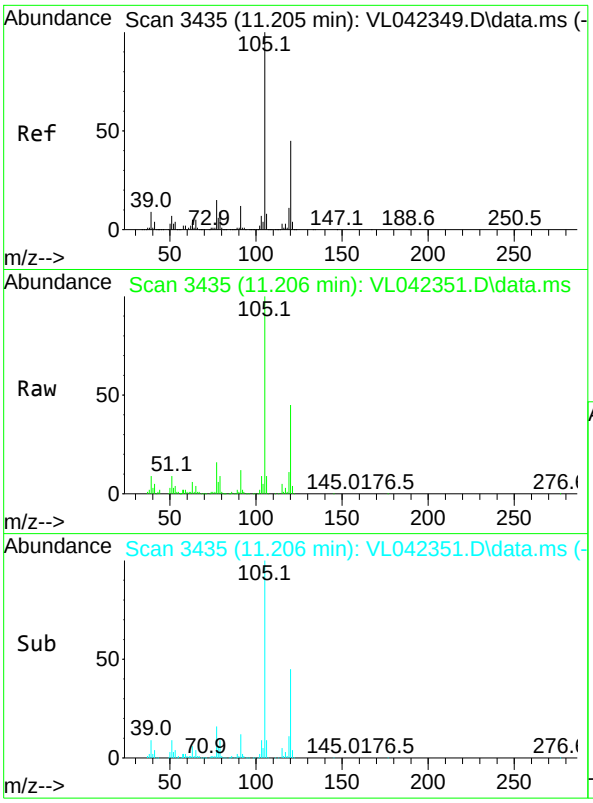


#72
4-Ethyltoluene
Concen: 1.078 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 69698

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.2	34.8
91	13.5	10.4	15.6
77	14.7	11.3	16.9

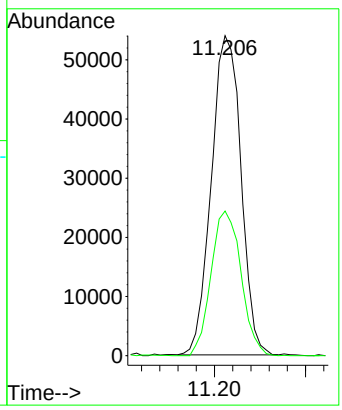




#73
1,3,5-Trimethylbenzene
Concen: 1.067 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 6092

Ion	Ratio	Lower	Upper
105	100		
120	45.3	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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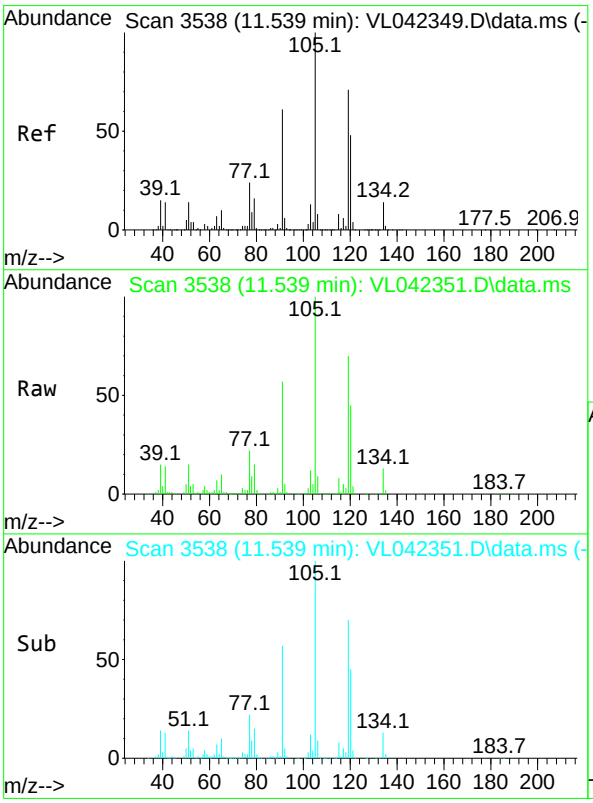
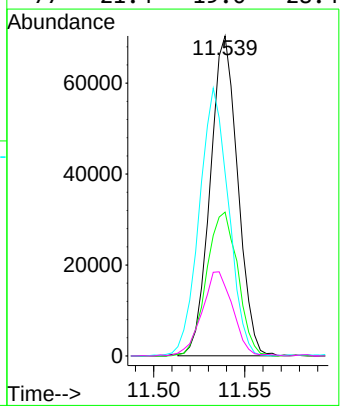
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

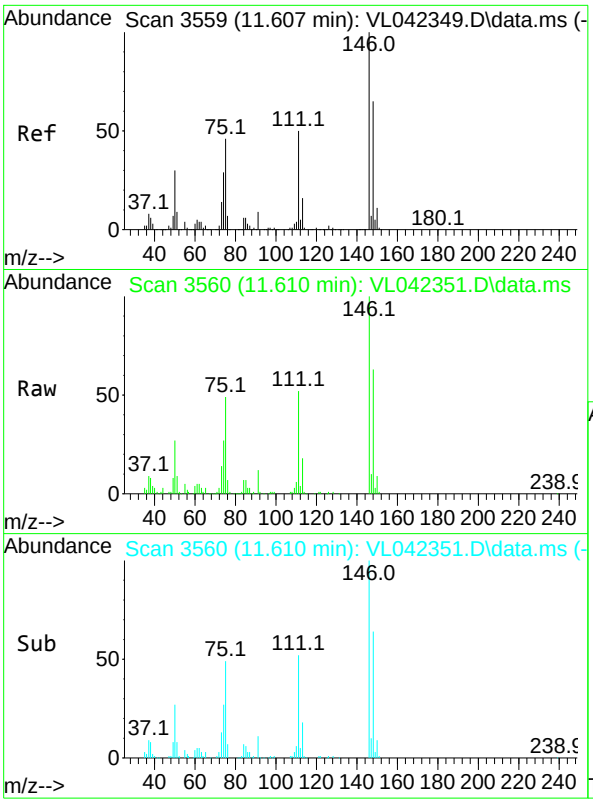


#74
1,2,4-Trimethylbenzene
Concen: 1.108 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 73888

Ion	Ratio	Lower	Upper
105	100		
120	45.0	38.1	57.1
91	57.0	48.8	73.2
77	21.4	19.0	28.4

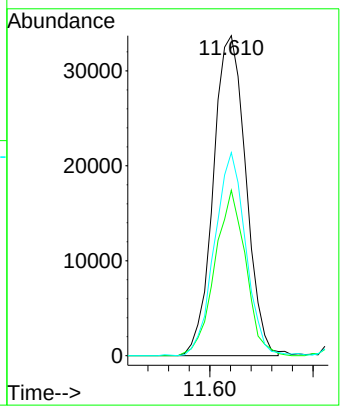




#75
1,3-Dichlorobenzene
Concen: 1.064 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:146 Resp: 3687

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.3	72.8
148	60.8	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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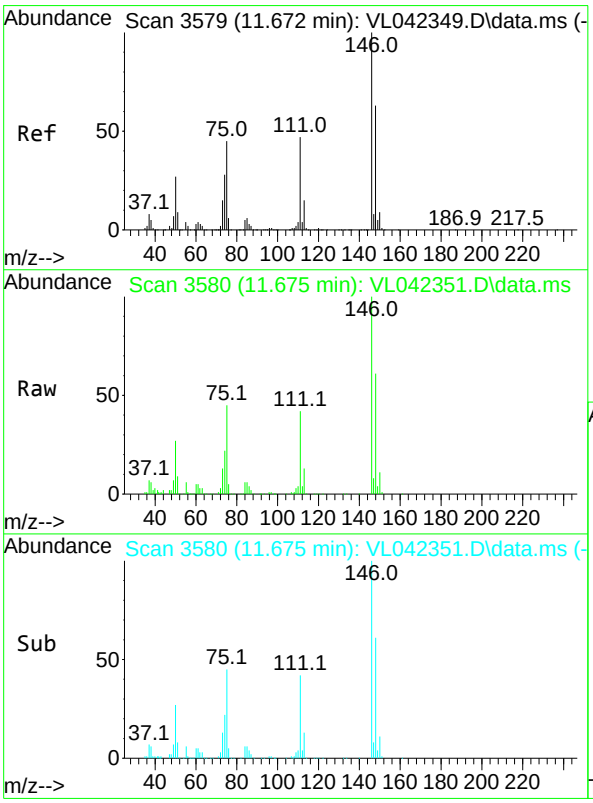
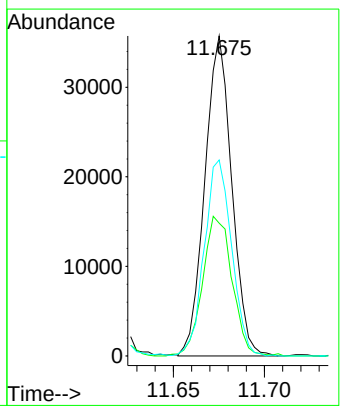
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

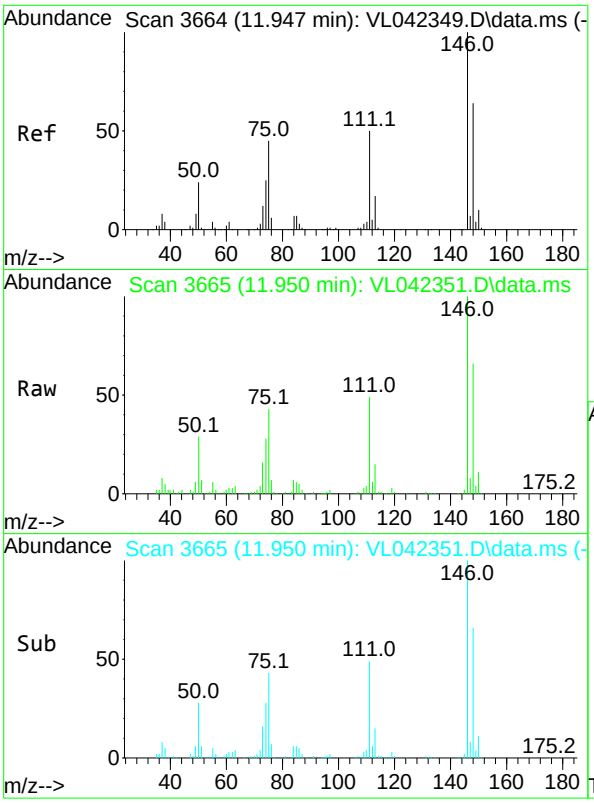


#76
1,4-Dichlorobenzene
Concen: 1.053 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:146 Resp: 36692

Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.2	72.6
148	62.3	32.1	96.5

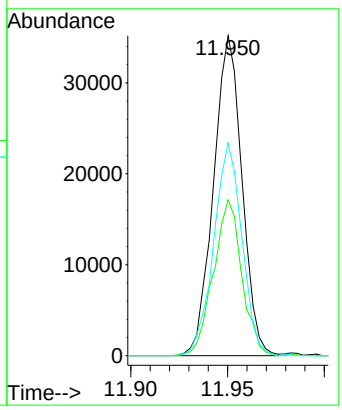




#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:146 Resp: 3597

Ion	Ratio	Lower	Upper
146	100		
111	48.7	25.3	75.9
148	65.9	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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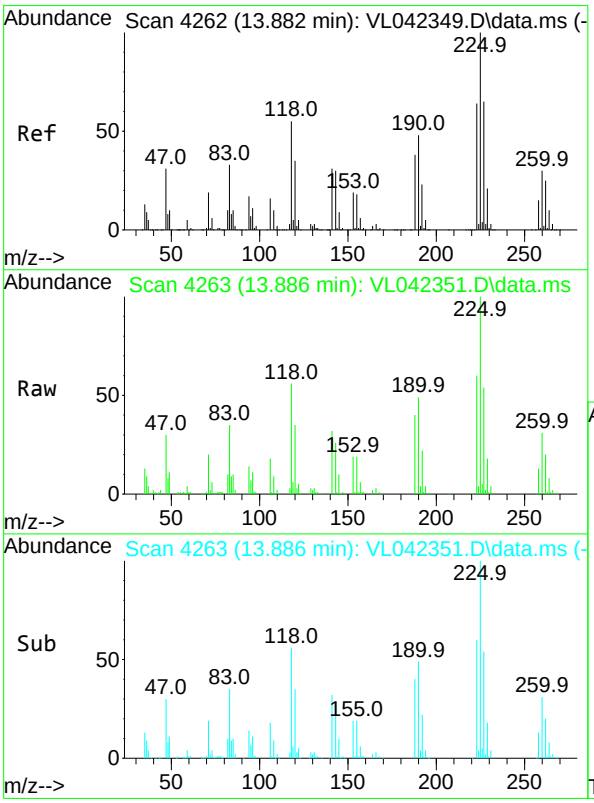
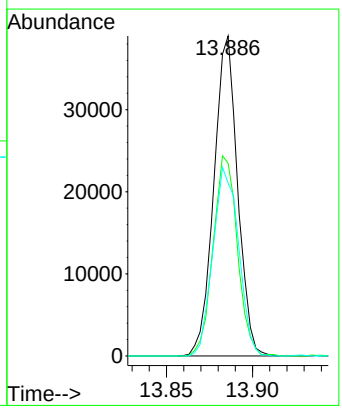
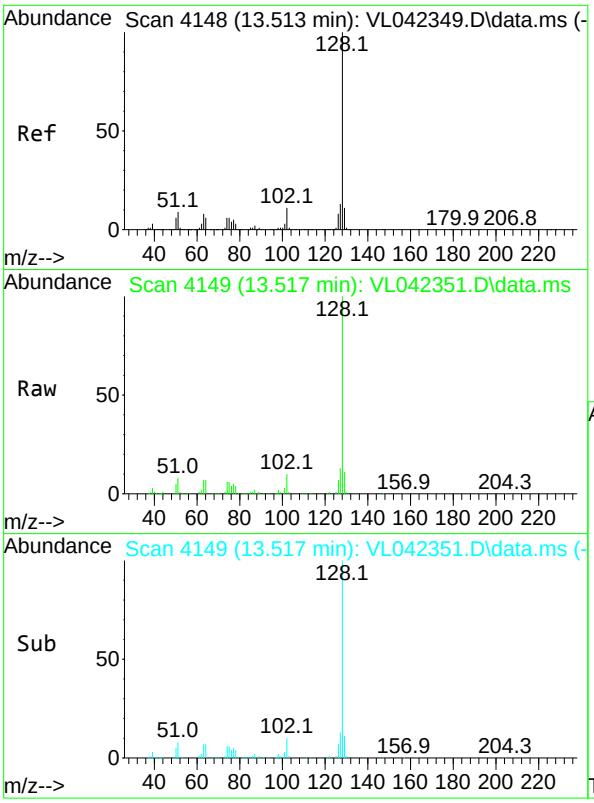


#78
Hexachloro-1,3-Butadiene
Concen: 1.098 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:225 Resp: 37377

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	63.6	51.5	77.3

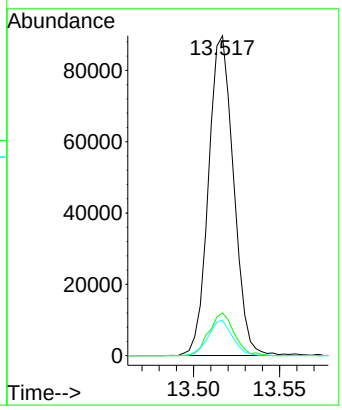




#79
Naphthalene
Concen: 1.138 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:128 Resp: 9071

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.1	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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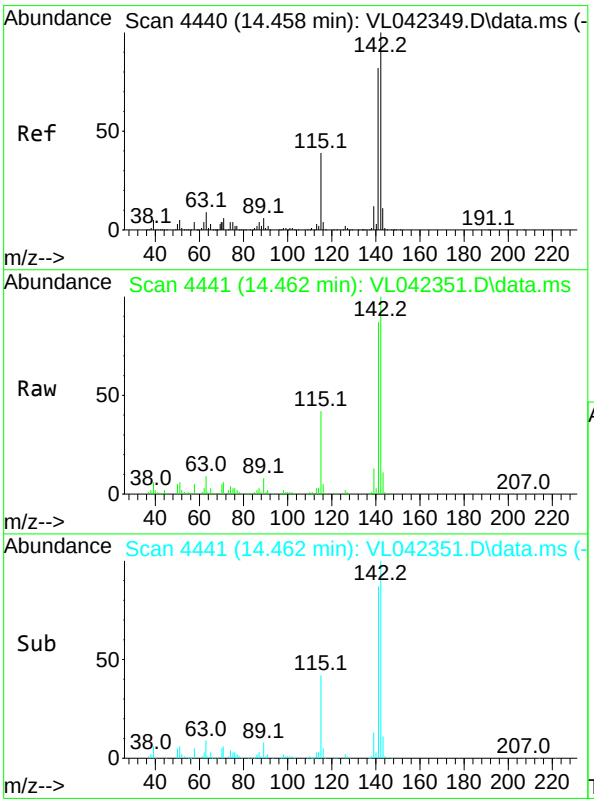
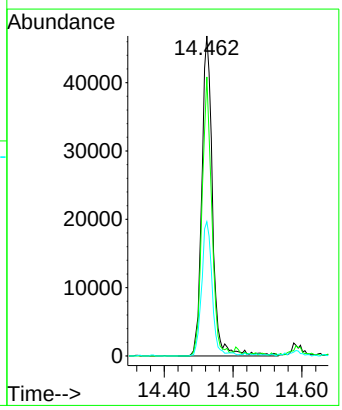
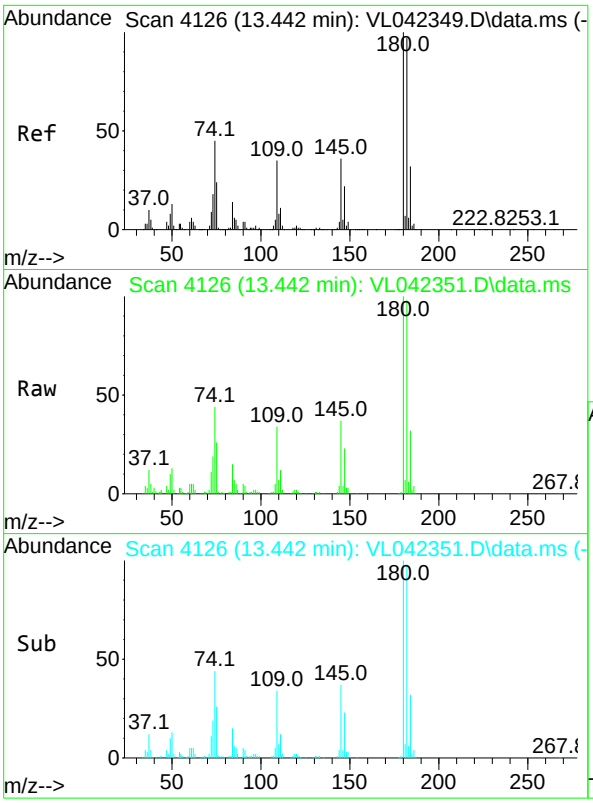


#80
Naphthalene,2-methyl-
Concen: 1.111 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:142 Resp: 50487

Ion	Ratio	Lower	Upper
142	100		
141	80.9	66.8	100.2
115	41.2	33.4	50.2

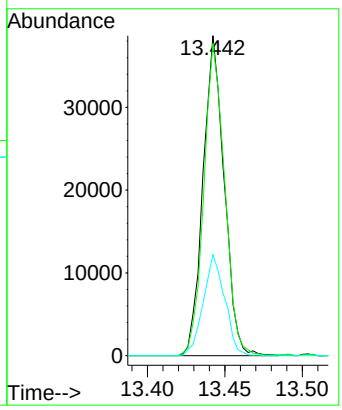




#81
1,2,4-Trichlorobenzene
Concen: 1.074 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:180 Resp: 3676

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
184	32.0	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	120542	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	353137	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	321644	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	265161	10.032	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11036	0.518	ppbv		92
3) Chlorodifluoromethane	1.476	51	11304	0.557	ppbv	#	84
4) Chloromethane	1.531	50	4534	0.538	ppbv		97
5) Vinyl Chloride	1.580	62	4406	0.480	ppbv		97
6) Bromomethane	1.667	94	2394	0.602	ppbv		95
7) Chloroethane	1.703	64	1824	0.550	ppbv	#	87
8) Dichlorotetrafluoroethane	1.554	85	9381	0.513	ppbv		99
9) Propene	1.483	41	5303	0.574	ppbv		93
10) Heptane	4.978	43	14728m	0.593	ppbv		
11) Trichlorofluoromethane	1.877	101	10150	0.501	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.136	101	8371	0.506	ppbv		93
13) Ethanol	1.719	45	1656m	2.194	ppbv		
14) Bromoethene	1.780	108	3238	0.519	ppbv	#	93
15) Acetone	1.835	43	11859	0.601	ppbv	#	74
16) 1,3-Butadiene	1.609	39	6120	0.660	ppbv	#	82
17) tert-Butyl alcohol	2.043	59	13640	0.558	ppbv	#	85
18) 1,1-Dichloroethene	2.033	96	4430	0.556	ppbv	#	87
19) Isopropyl Alcohol	1.884	45	6327	0.577	ppbv	#	39
20) Methylene Chloride	2.059	84	5273	0.682	ppbv		93
21) Allyl Chloride	2.094	41	7692	0.565	ppbv	#	81
22) trans-1,2-Dichloroethene	2.340	96	4908	0.557	ppbv		92
23) Vinyl Acetate	2.460	43	3953	0.495	ppbv	#	57
24) 1,1-Dichloroethane	2.408	63	8753	0.523	ppbv	#	94
25) Ethyl Acetate	2.835	43	26686	0.548	ppbv	#	93
26) Hexane	2.823	57	11448	0.581	ppbv		91
27) Carbon Disulfide	2.149	76	11472	0.544	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	6833	0.530	ppbv	#	32
29) Chloroform	2.848	83	14815	0.532	ppbv		93
30) Cyclohexane	3.852	84	8572	0.541	ppbv		94
31) cis-1,2-Dichloroethene	2.722	61	9571	0.511	ppbv		96
32) 1,1,1-Trichloroethane	3.370	97	15413	0.516	ppbv		97
34) 2-Butanone	2.560	43	15640	0.560	ppbv		97
35) Carbon Tetrachloride	3.761	117	14683	0.459	ppbv		87
36) Benzene	3.651	78	20233	0.531	ppbv		97
37) 1,2-Dichloroethane	3.217	62	12194	0.533	ppbv	#	95
38) Trichloroethene	4.551	130	7819	0.468	ppbv	#	78
39) 1,2-Dichloropropane	4.308	63	7790m	0.548	ppbv		
40) 1,4-Dioxane	4.599	88	4637m	0.603	ppbv		
41) Tetrahydrofuran	3.062	42	9144m	0.567	ppbv		
42) Bromodichloromethane	4.489	83	16642	0.523	ppbv	#	91
43) Methyl Methacrylate	4.881	69	9620m	0.563	ppbv		
44) 2,2,4-Trimethylpentane	4.635	57	34170	0.519	ppbv		91
45) t-1,3-Dichloropropene	6.415	75	9073m	0.517	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	10827m	0.505	ppbv		
47) 1,1,2-Trichloroethane	6.577	97	7466m	0.516	ppbv		
48) Dibromochloromethane	7.386	129	13122	0.514	ppbv		97
49) Bromoform	9.477	173	10988	0.492	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	27206m	0.585	ppbv		
51) 2-Hexanone	7.441	43	23684	0.564	ppbv		98
52) Tetrachloroethene	8.221	164	7412	0.503	ppbv	#	88
53) Toluene	6.927	91	24200	0.529	ppbv		97
54) 1,2-Dibromoethane	7.645	107	10282	0.499	ppbv		84
56) 1,1,1,2-Tetrachloroethane	8.930	131	9987	0.513	ppbv	#	1
57) Chlorobenzene	8.917	112	18149m	0.543	ppbv		
58) Ethyl Benzene	9.351	91	32624	0.512	ppbv		97
59) m/p-Xylene	9.532	91	54197m	1.053	ppbv		
60) o-Xylene	9.963	91	27983	0.541	ppbv		99
61) Styrene	9.869	104	12736	0.516	ppbv		96
62) Isopropylbenzene	10.539	105	40481	0.533	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.959	83	15920	0.474	ppbv		99
64) n-propylbenzene	10.985	120	10369	0.544	ppbv		97
65) tert-Butylbenzene	11.529	119	37294	0.535	ppbv		93
66) Benzyl Chloride	11.613	91	3878	0.506	ppbv	#	91
67) sec-Butylbenzene	11.765	105	52139	0.537	ppbv		97
69) p-Isopropyltoluene	11.924	119	45574	0.541	ppbv		98
70) n-Butylbenzene	12.280	91	48004	0.547	ppbv		99
71) 2-Chlorotoluene	10.898	91	31709	0.533	ppbv		100
72) 4-Ethyltoluene	11.125	105	33048	0.523	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.202	105	30464	0.546	ppbv		99
74) 1,2,4-Trimethylbenzene	11.536	105	37765	0.579	ppbv	#	90
75) 1,3-Dichlorobenzene	11.607	146	18003	0.531	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	18300	0.537	ppbv		96
77) 1,2-Dichlorobenzene	11.947	146	17446	0.530	ppbv		95
78) Hexachloro-1,3-Butadiene	13.879	225	18705	0.562	ppbv		98
79) Naphthalene	13.513	128	38521	0.494	ppbv	#	92
80) Naphthalene,2-methyl-	14.458	142	21076	0.475	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	16504	0.493	ppbv		97

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

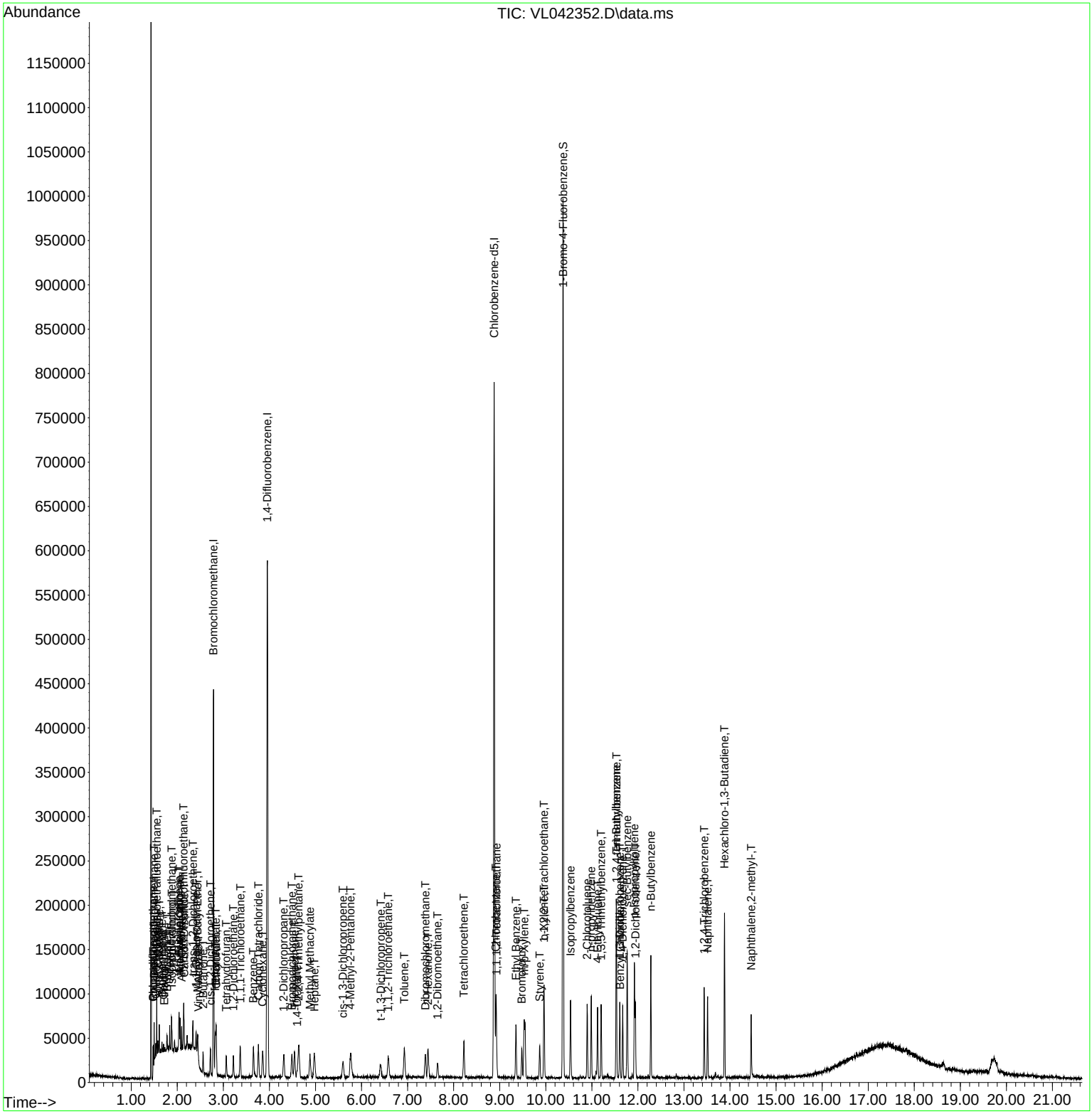
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

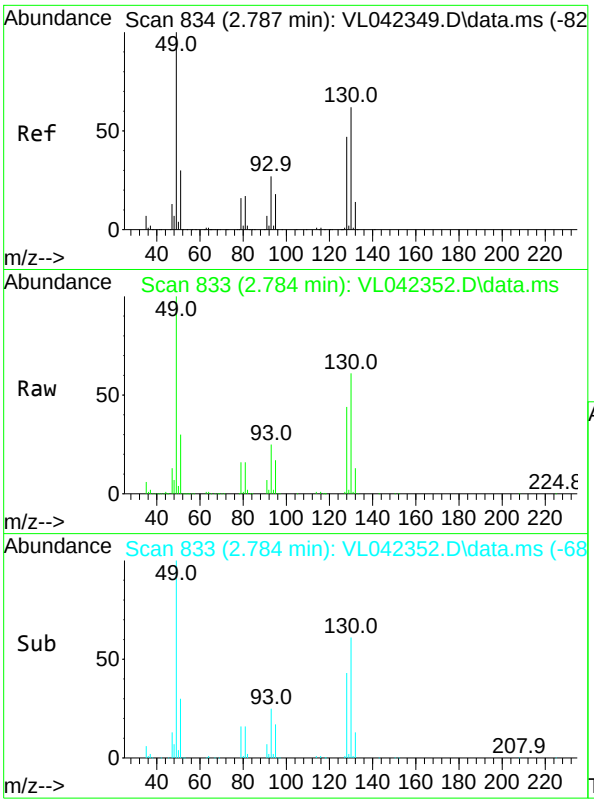
Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

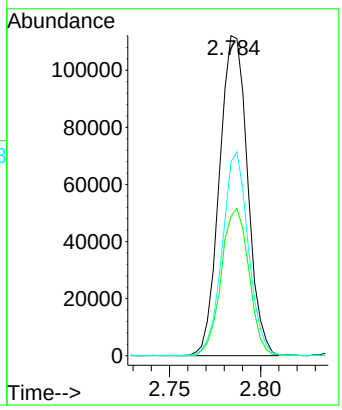




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 49 Resp: 12054

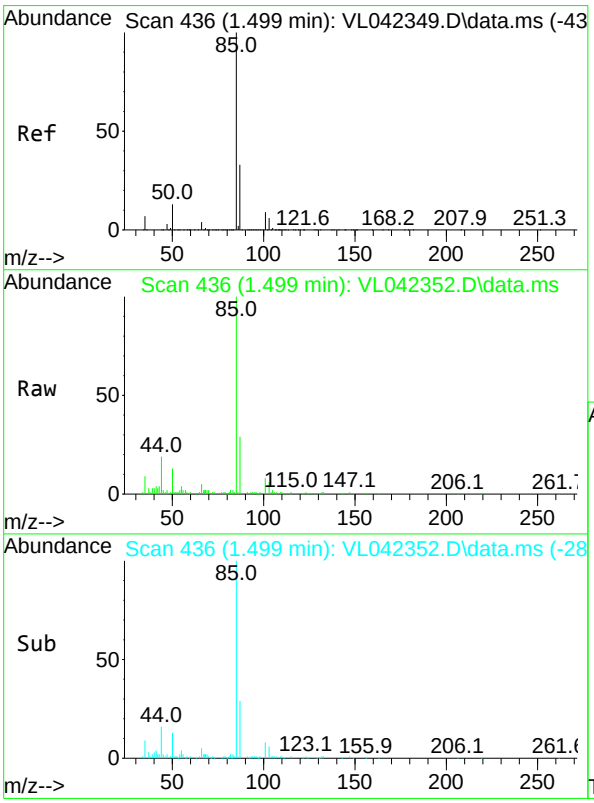
Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	59.0	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

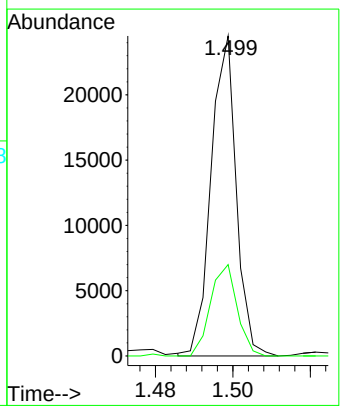
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

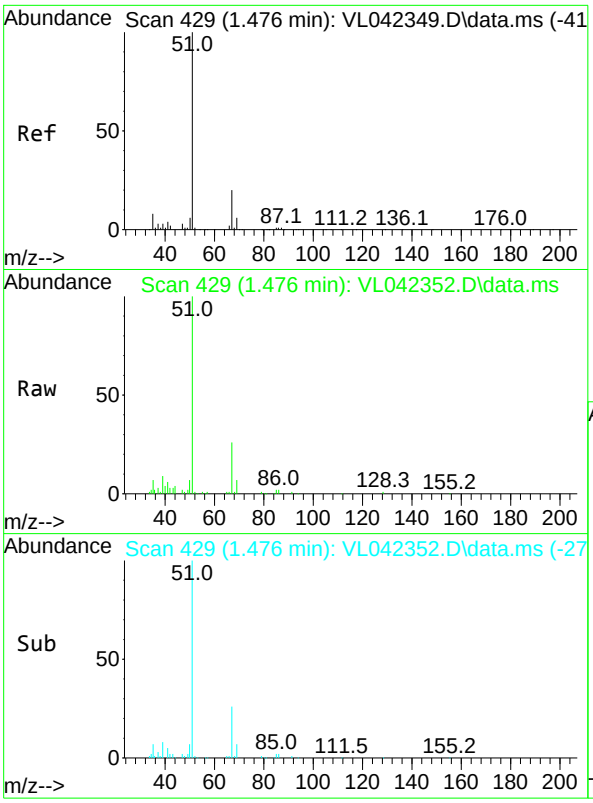


#2
Dichlorodifluoromethane
Concen: 0.518 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 85 Resp: 11036

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.6	39.8

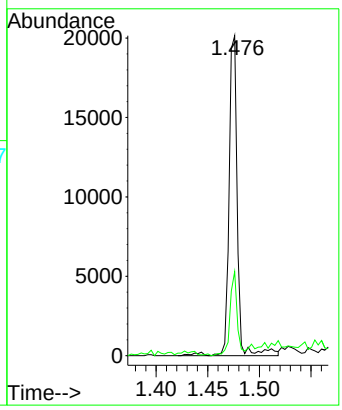




#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 51 Resp: 1130

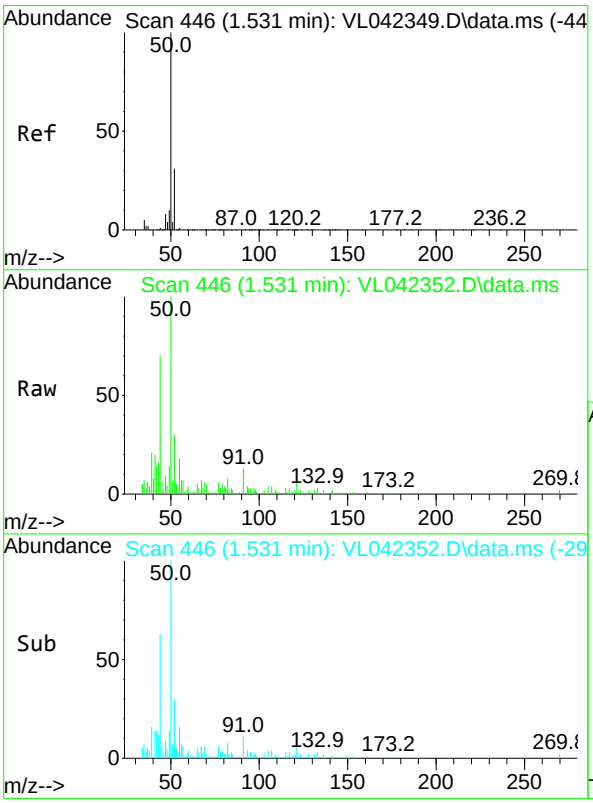
Ion	Ratio	Lower	Upper
51	100		
67	27.8	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

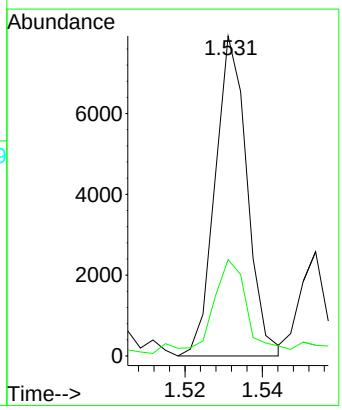
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

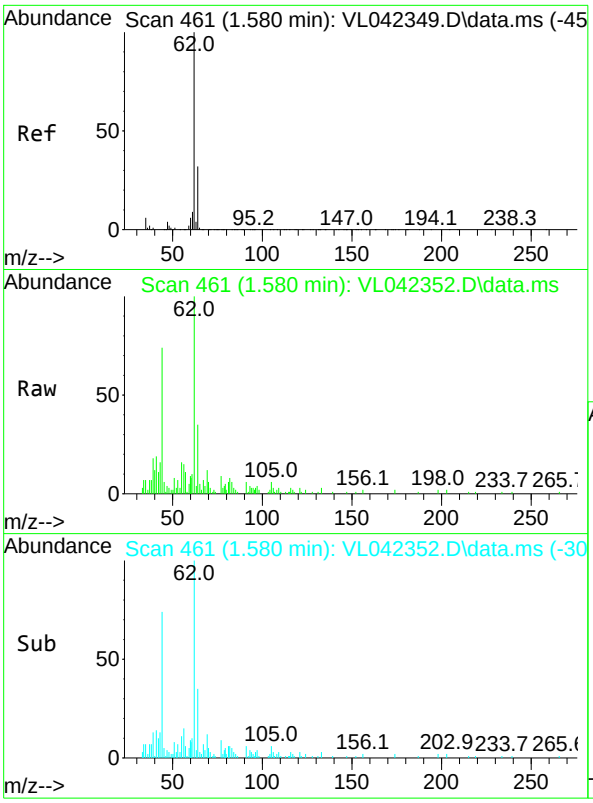


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 50 Resp: 4534

Ion	Ratio	Lower	Upper
50	100		
52	32.8	24.7	37.1

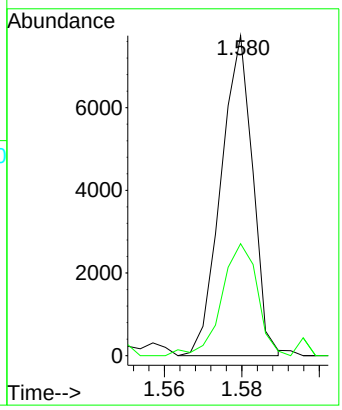




#5
Vinyl Chloride
Concen: 0.480 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 62 Resp: 440

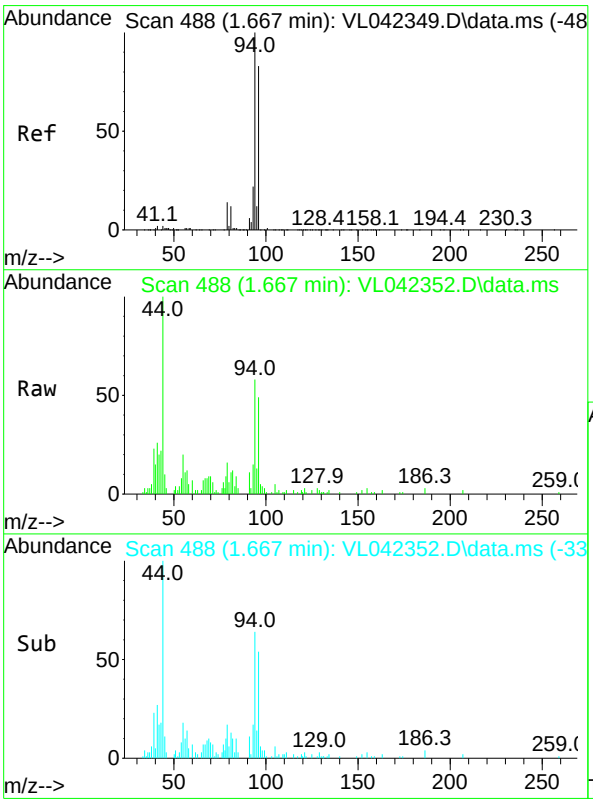
Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

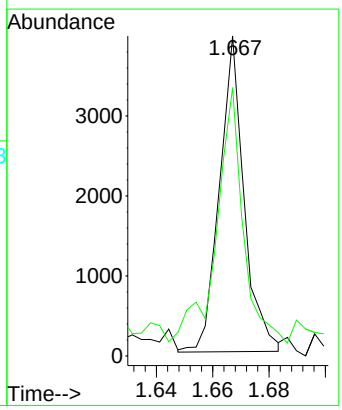
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

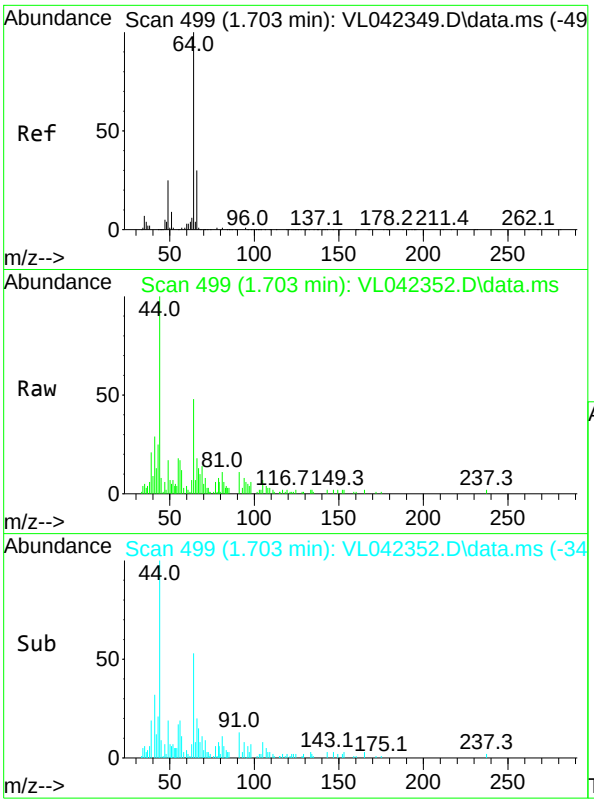


#6
Bromomethane
Concen: 0.602 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 94 Resp: 2394

Ion	Ratio	Lower	Upper
94	100		
96	78.1	66.2	99.2

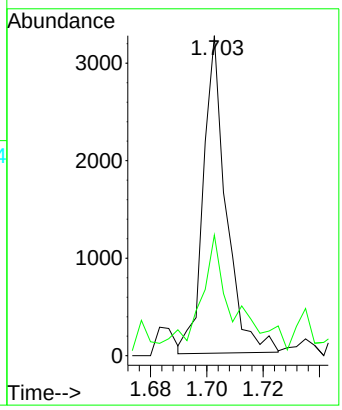




#7
Chloroethane
Concen: 0.550 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 64 Resp: 182

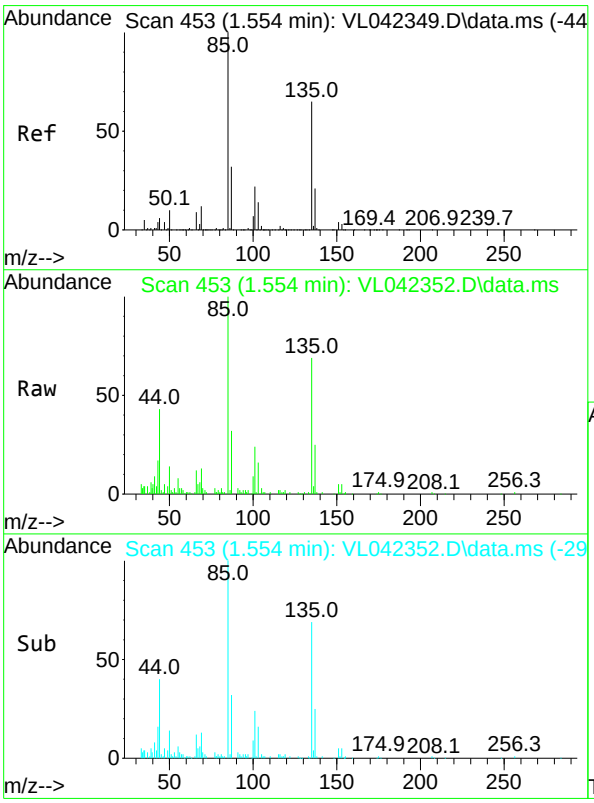
Ion	Ratio	Lower	Upper
64	100		
66	37.7	24.6	37.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

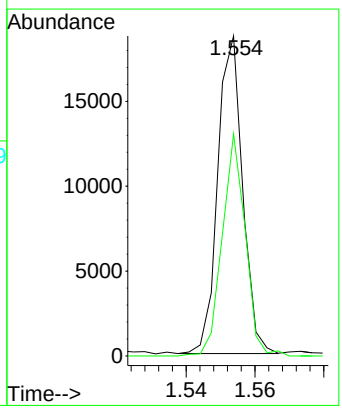
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

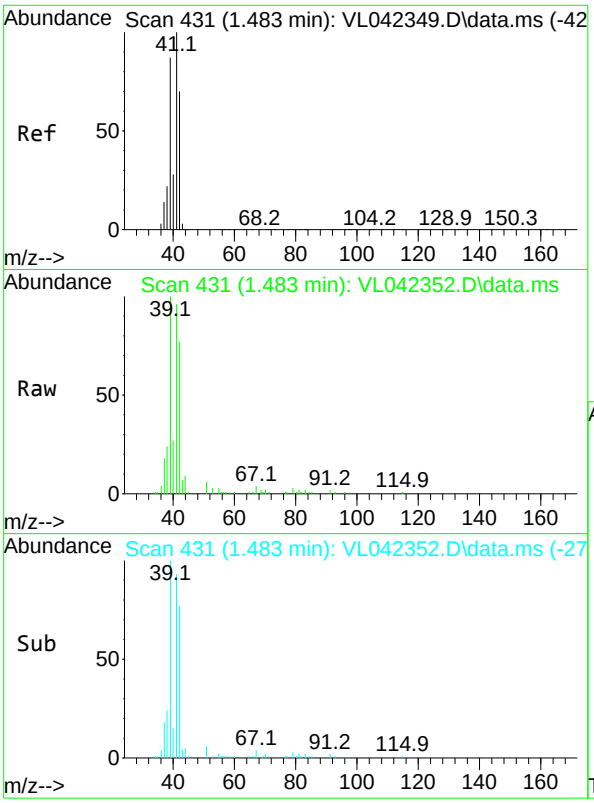


#8
Dichlorotetrafluoroethane
Concen: 0.513 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 85 Resp: 9381

Ion	Ratio	Lower	Upper
85	100		
135	66.2	52.2	78.2

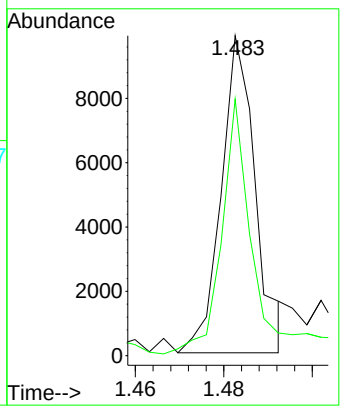




#9
Propene
Concen: 0.574 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 41 Resp: 530

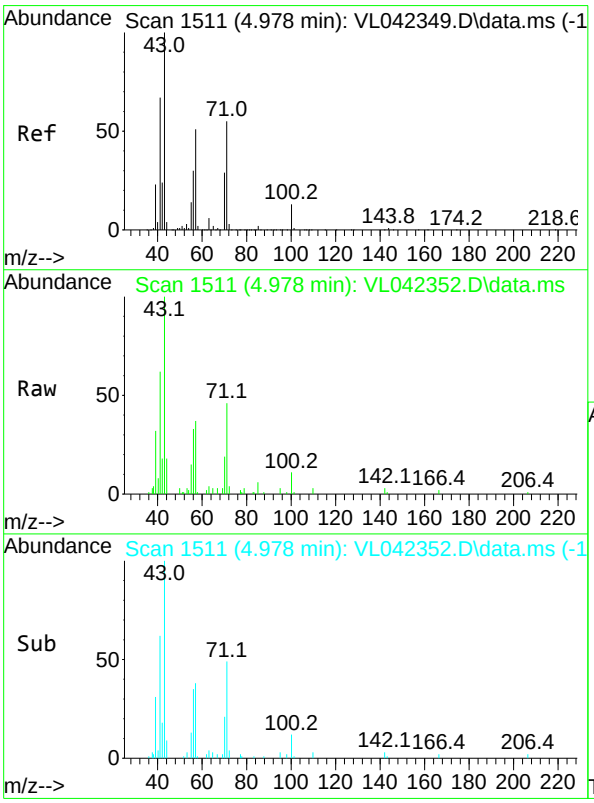
Ion	Ratio	Lower	Upper
41	100		
42	64.8	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

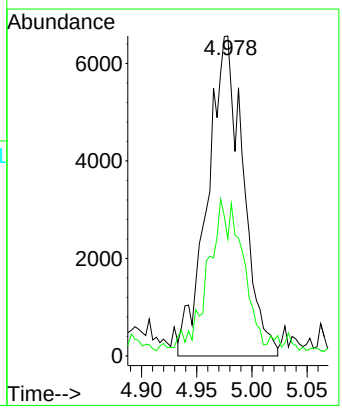
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

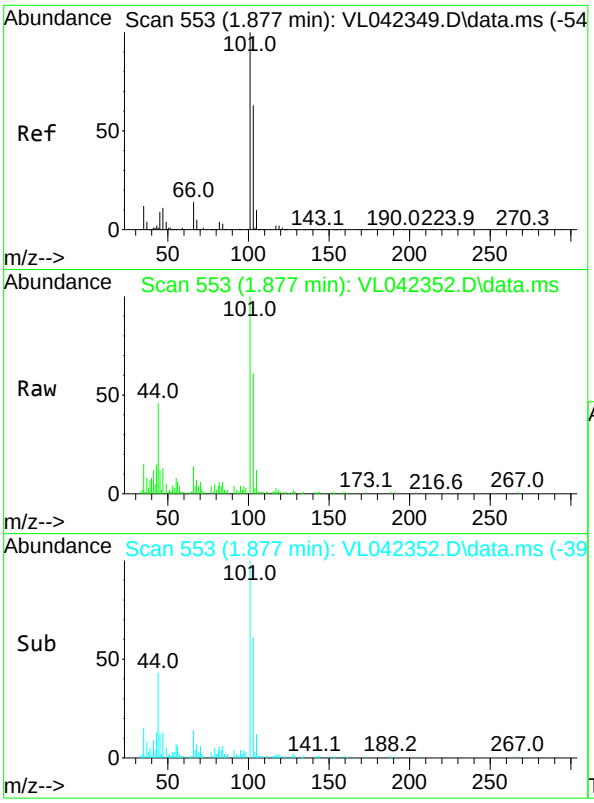


#10
Heptane
Concen: 0.593 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 14728

Ion	Ratio	Lower	Upper
43	100		
57	51.1	39.9	59.9





#11
Trichlorofluoromethane
Concen: 0.501 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:101 Resp: 1015

Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.1	75.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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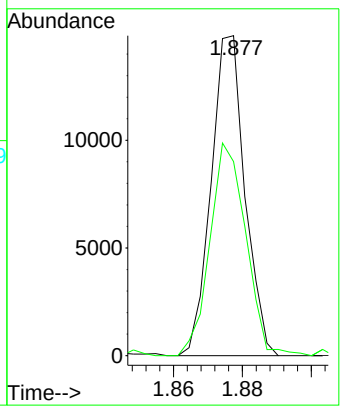
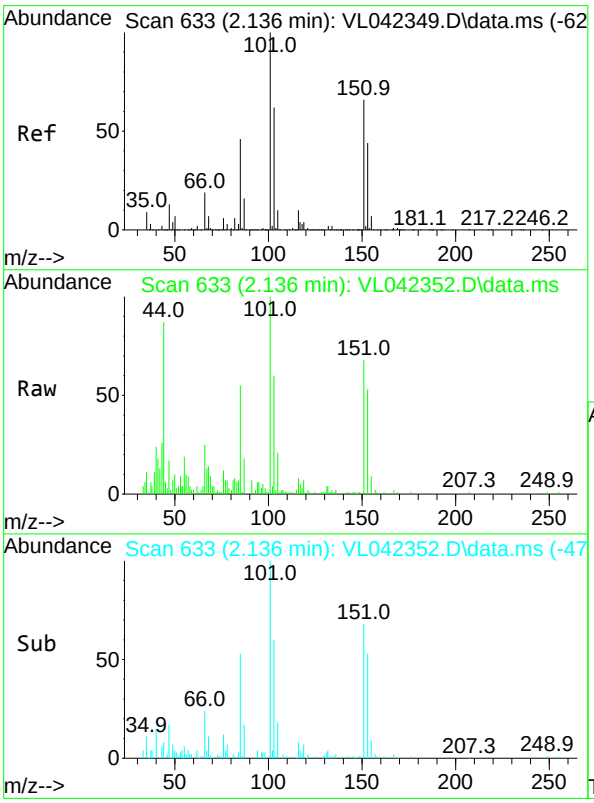
Supervised By :Mahesh Dadoda 04/18/2025

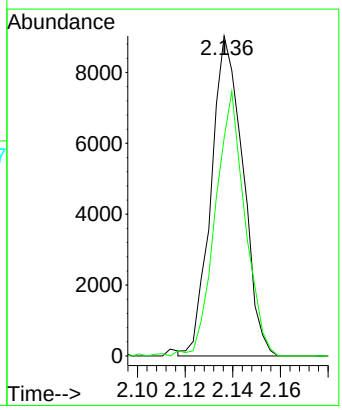


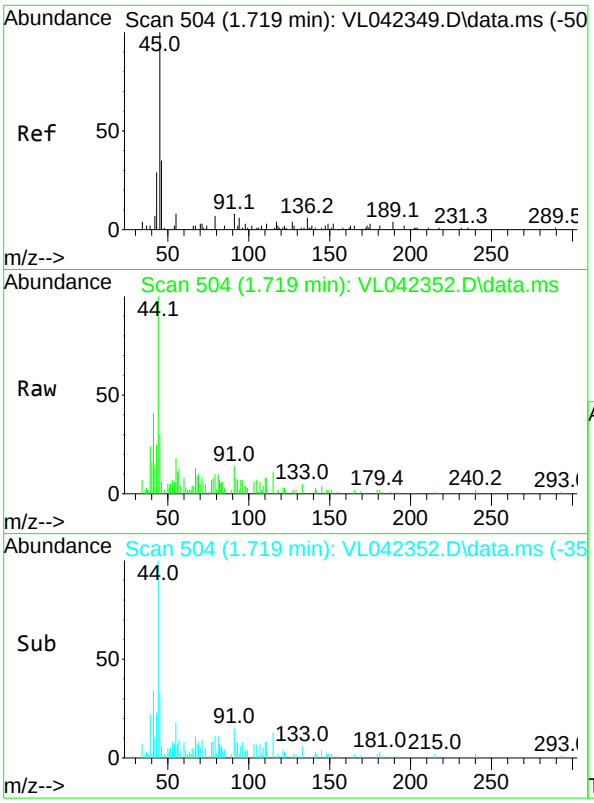


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.506 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:101 Resp: 8371

Ion	Ratio	Lower	Upper
101	100		
151	77.4	57.0	85.6





#13
Ethanol
Concen: 2.194 ppbv m
RT: 1.719 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 45 Resp: 165(

Ion	Ratio	Lower	Upper
45	100		
46	0.0	21.9	87.7#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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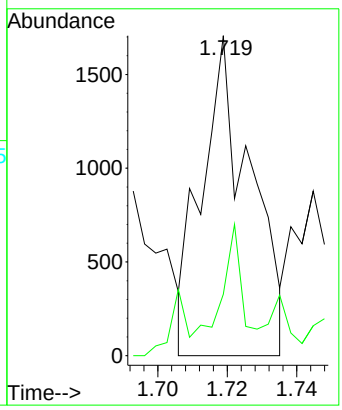
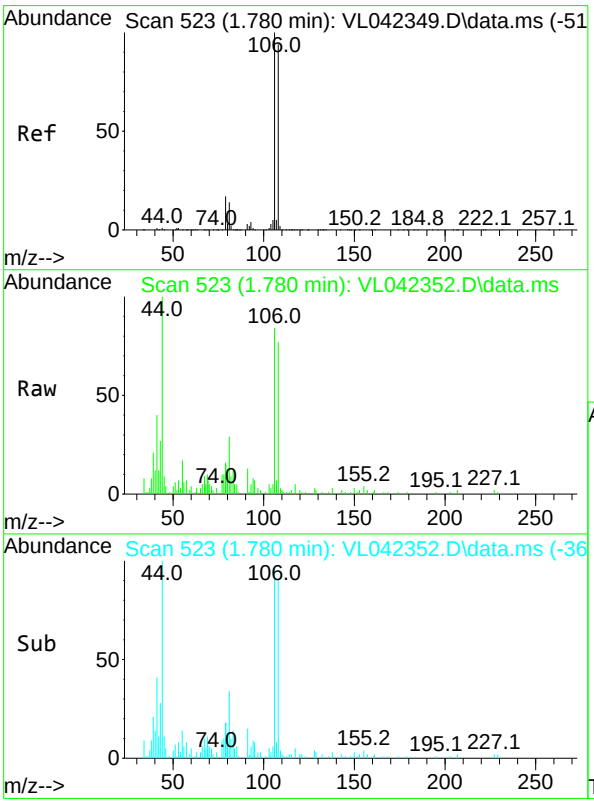
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

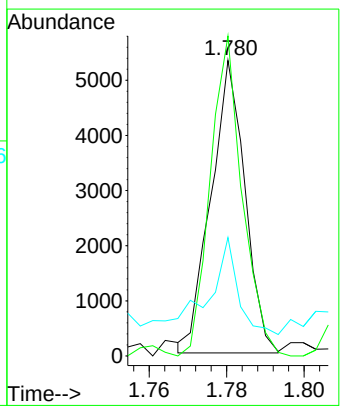


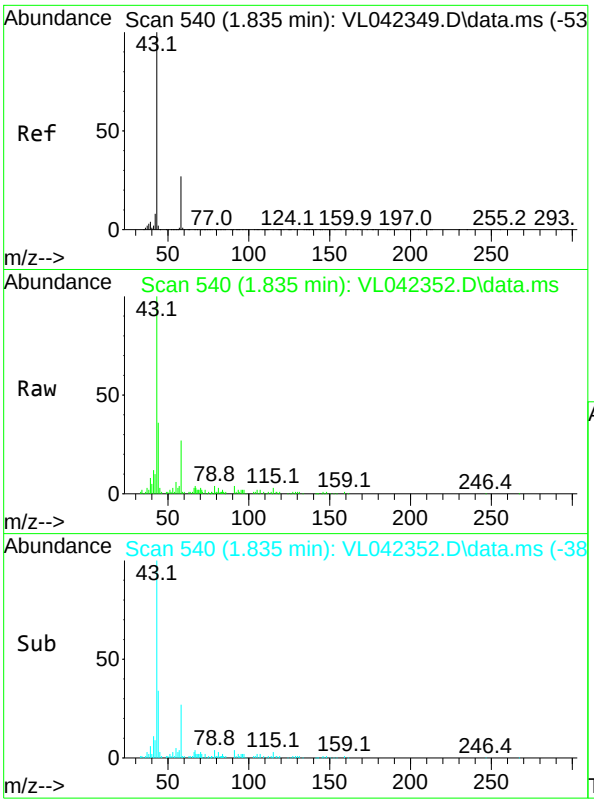


#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:108 Resp: 3238

Ion	Ratio	Lower	Upper
108	100		
106	110.3	85.9	128.9
79	33.0	13.9	20.9#

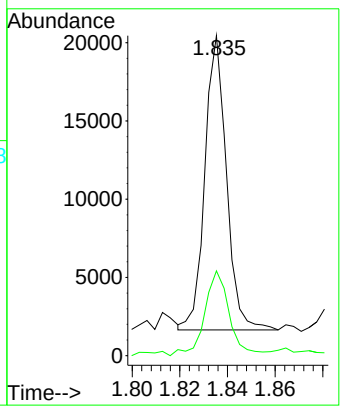




#15
Acetone
Concen: 0.601 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 1185

Ion	Ratio	Lower	Upper
43	100		
58	41.7	22.4	33.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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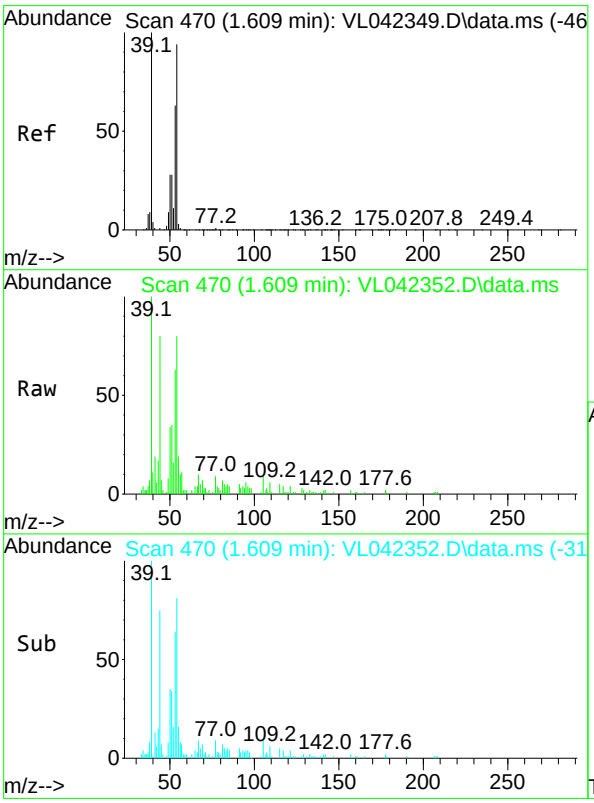
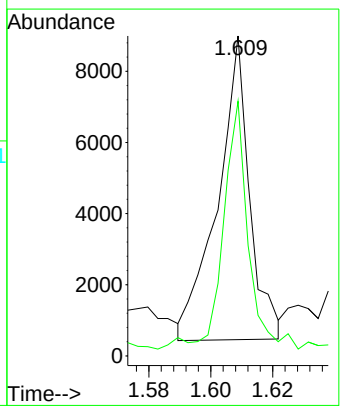
Supervised By :Mahesh Dadoda 04/18/2025

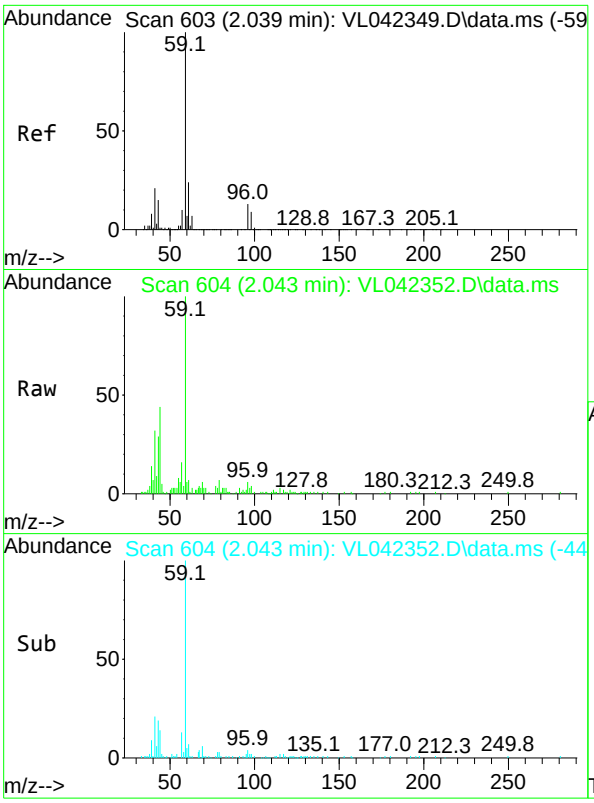


#16
1,3-Butadiene
Concen: 0.660 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 39 Resp: 6120

Ion	Ratio	Lower	Upper
39	100		
54	64.7	64.9	97.3#

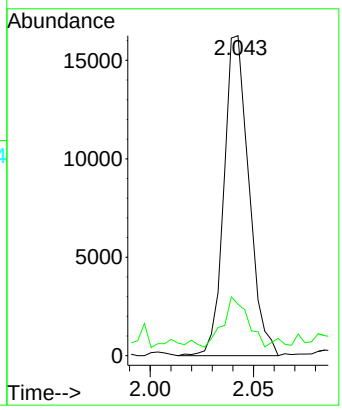




#17
tert-Butyl alcohol
Concen: 0.558 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 59 Resp: 1364

Ion	Ratio	Lower	Upper
59	100		
57	16.5	8.7	13.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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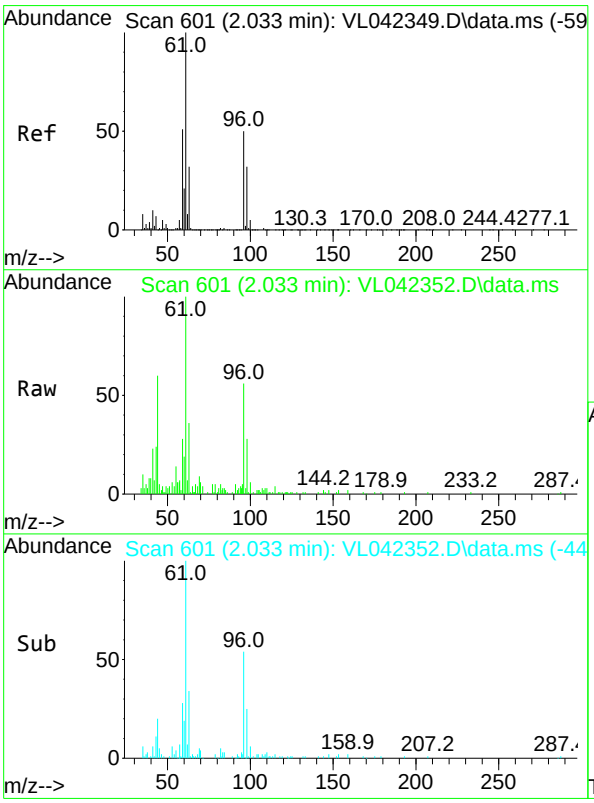
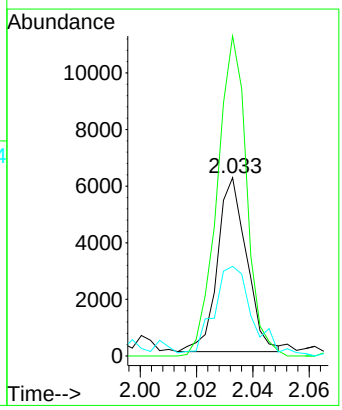
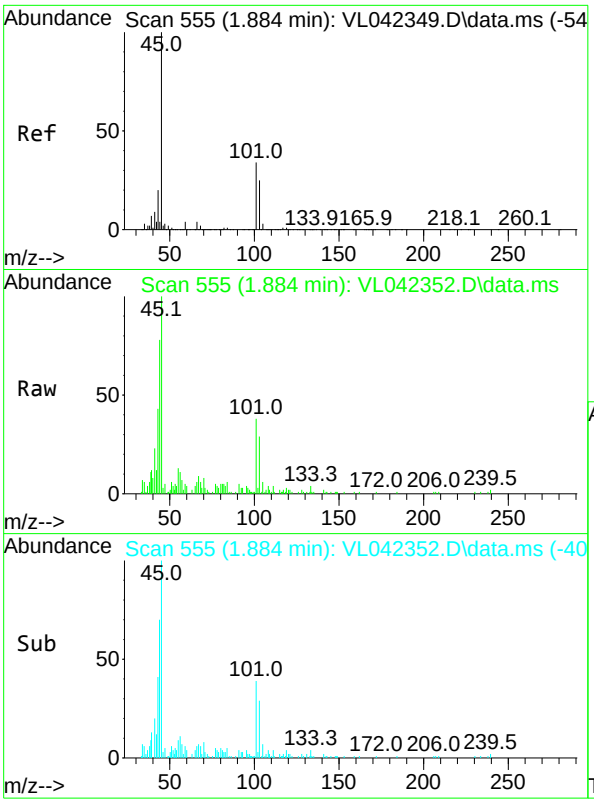


#18
1,1-Dichloroethene
Concen: 0.556 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 96 Resp: 4430

Ion	Ratio	Lower	Upper
96	100		
61	183.9	160.2	240.2
98	49.7	51.0	76.4#





#19
Isopropyl Alcohol
Concen: 0.577 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 45 Resp: 632

Ion	Ratio	Lower	Upper
45	100		
58	3.8	34.5	51.7#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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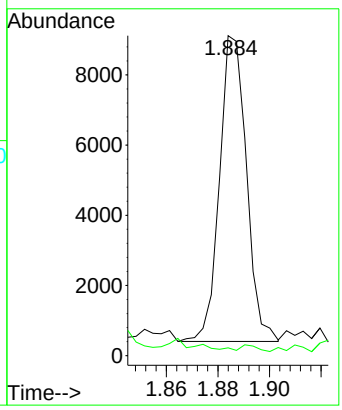
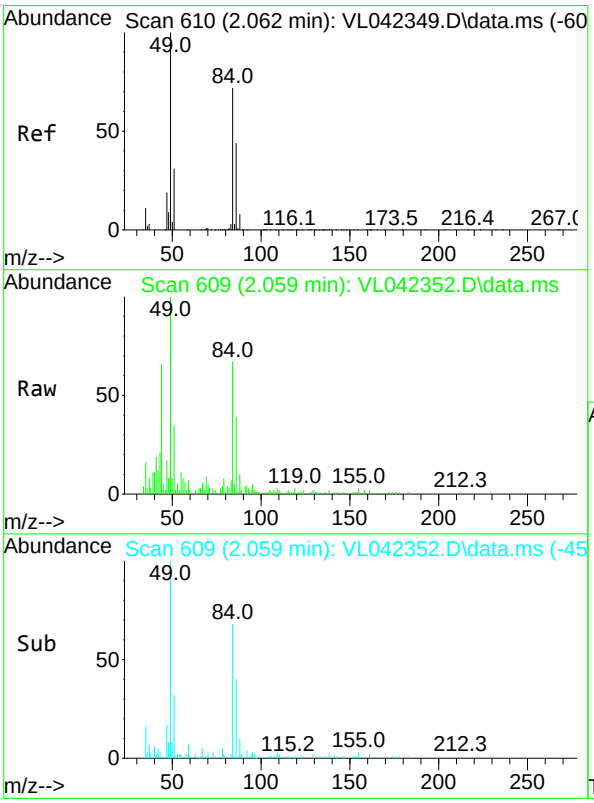
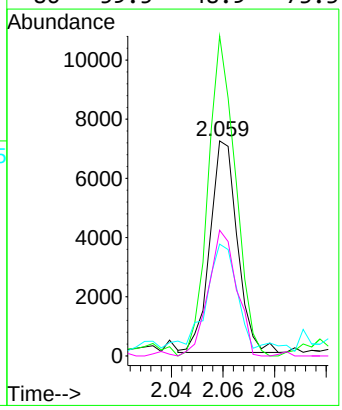


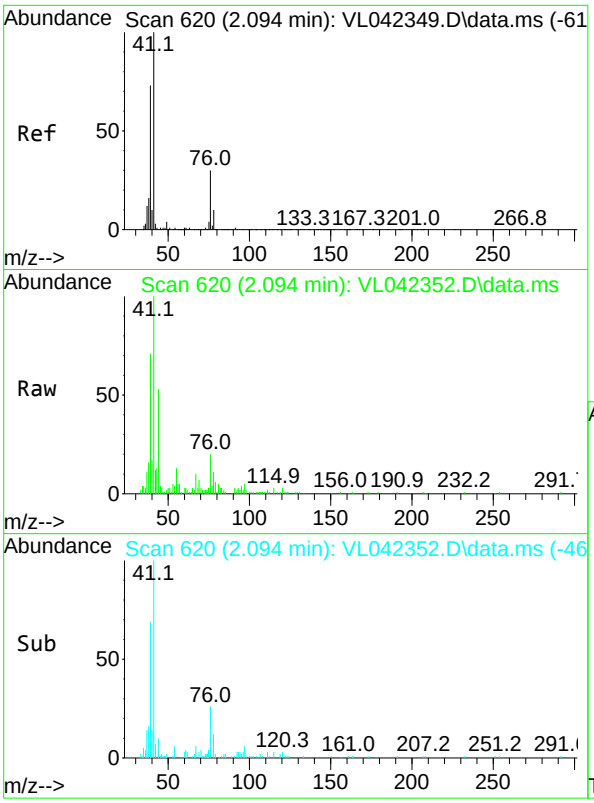


#20
Methylene Chloride
Concen: 0.682 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 84 Resp: 5273

Ion	Ratio	Lower	Upper
84	100		
49	151.3	111.6	167.4
51	48.1	35.1	52.7
86	59.5	48.9	73.3

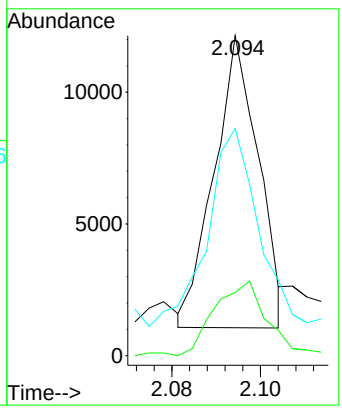




#21
Allyl Chloride
Concen: 0.565 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 41 Resp: 769

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.8	37.2
39	98.8	60.6	90.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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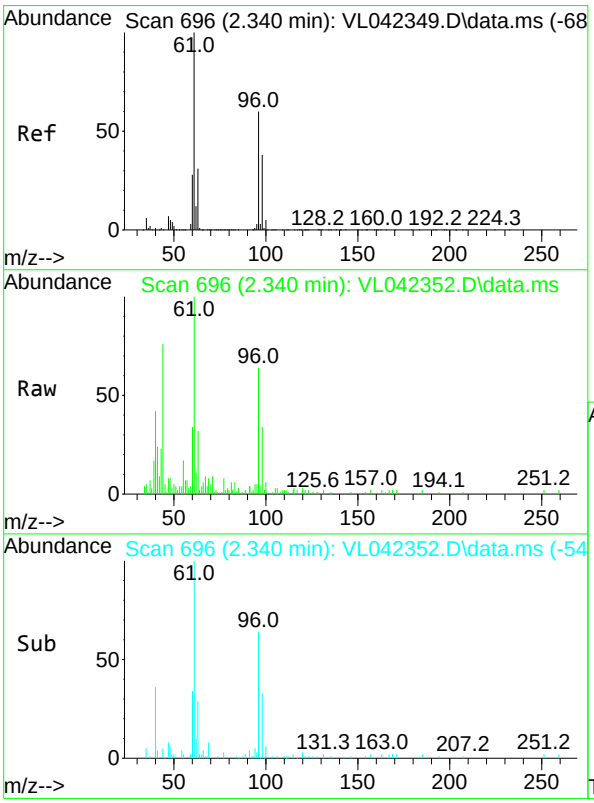
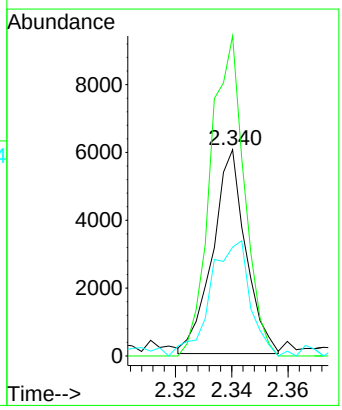
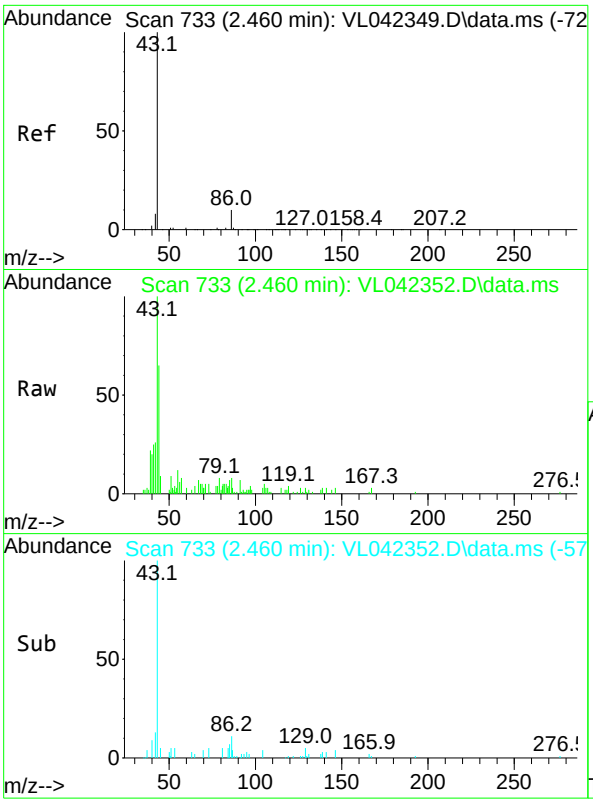


#22
trans-1,2-Dichloroethene
Concen: 0.557 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 96 Resp: 4908

Ion	Ratio	Lower	Upper
96	100		
61	158.7	133.7	200.5
98	54.0	50.3	75.5

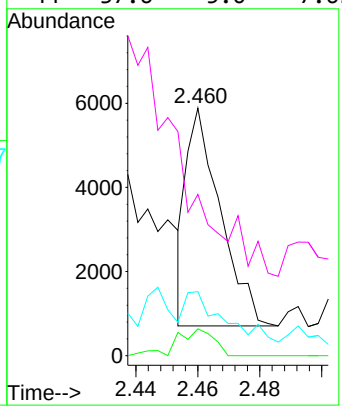




#23
Vinyl Acetate
Concen: 0.495 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 395

Ion	Ratio	Lower	Upper
43	100		
86	12.4	6.5	9.7#
42	23.2	7.8	11.8#
44	37.6	5.0	7.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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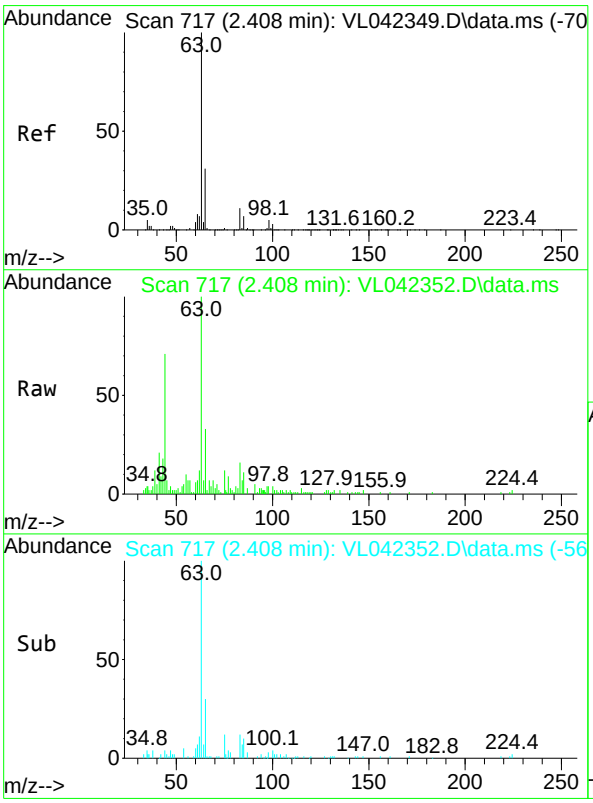
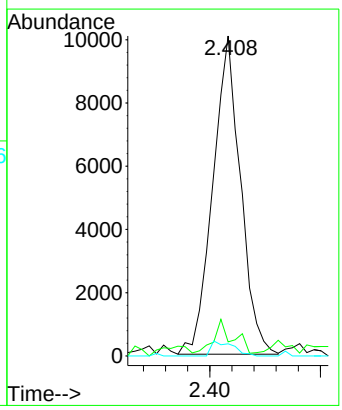
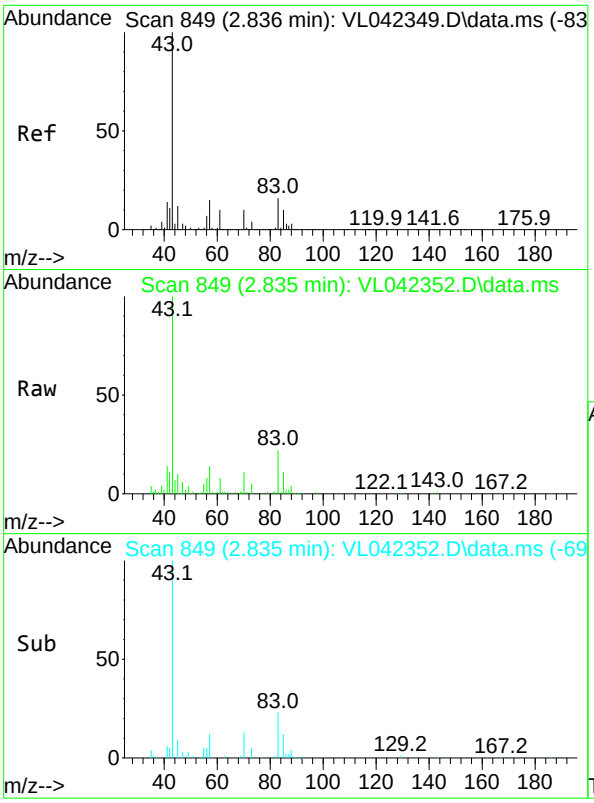


#24
1,1-Dichloroethane
Concen: 0.523 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 63 Resp: 8753

Ion	Ratio	Lower	Upper
63	100		
98	1.4	2.3	6.8#
100	3.8	1.6	4.8

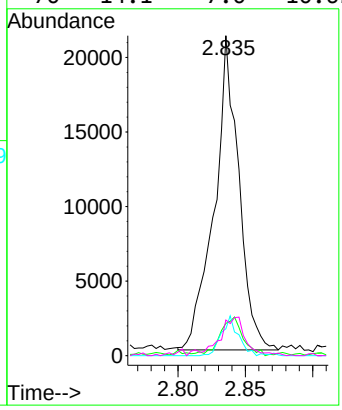




#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 2668

Ion	Ratio	Lower	Upper
43	100		
45	13.3	8.3	12.5#
61	9.0	7.3	10.9
70	14.1	7.0	10.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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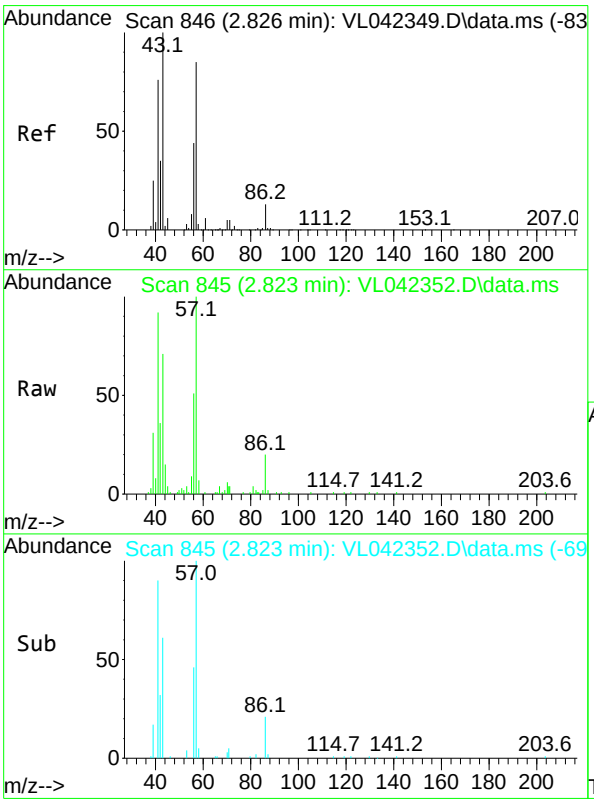
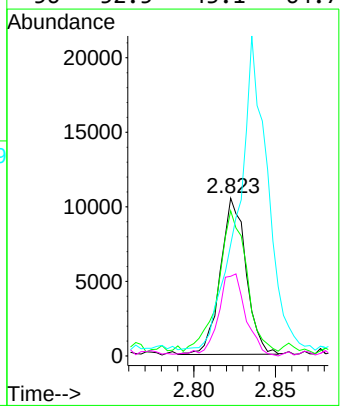
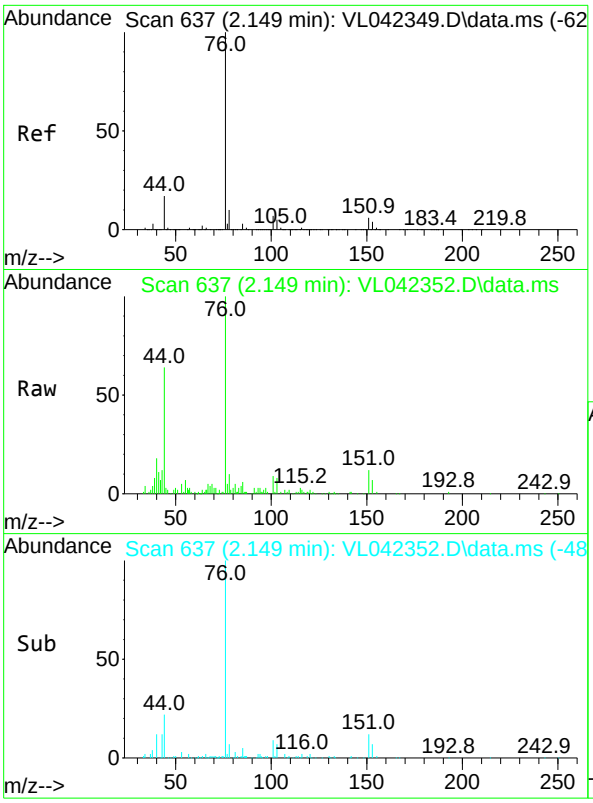


#26
Hexane
Concen: 0.581 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 57 Resp: 11448

Ion	Ratio	Lower	Upper
57	100		
41	103.5	77.9	116.9
43	240.0	208.4	312.6
56	52.5	43.1	64.7

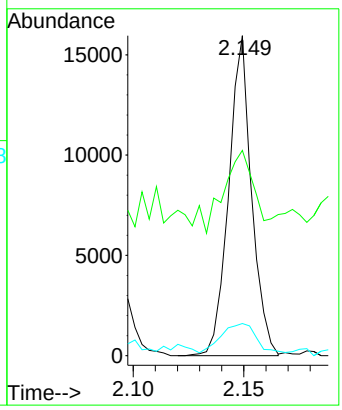




#27
Carbon Disulfide
Concen: 0.544 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 76 Resp: 1147

Ion	Ratio	Lower	Upper
76	100		
44	123.7	15.5	23.3#
78	18.8	9.3	13.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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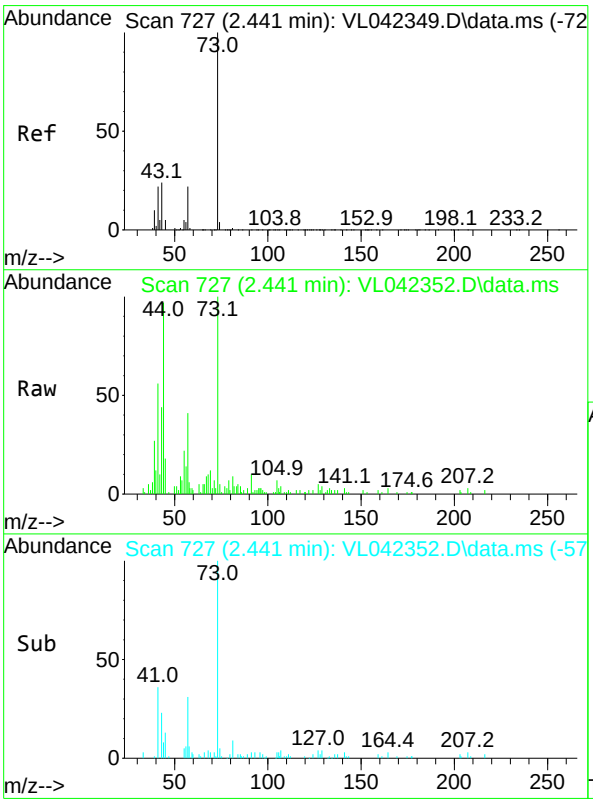
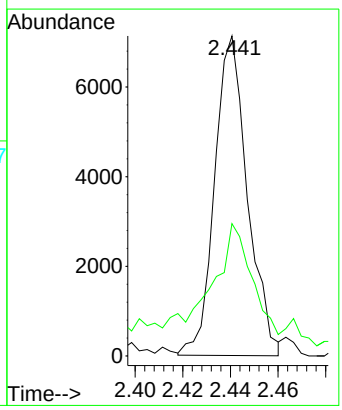
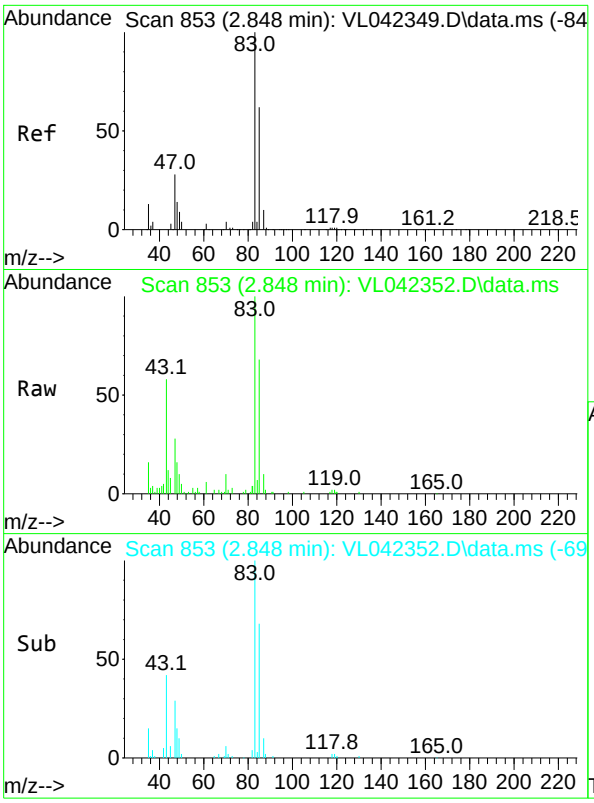


#28
Methyl tert-Butyl Ether
Concen: 0.530 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 73 Resp: 6833

Ion	Ratio	Lower	Upper
73	100		
57	61.8	21.3	31.9#

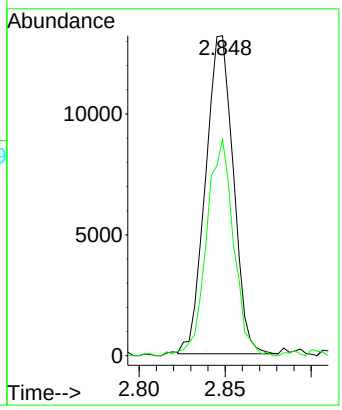




#29
Chloroform
Concen: 0.532 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 83 Resp: 1481

Ion	Ratio	Lower	Upper
83	100		
85	68.0	50.0	75.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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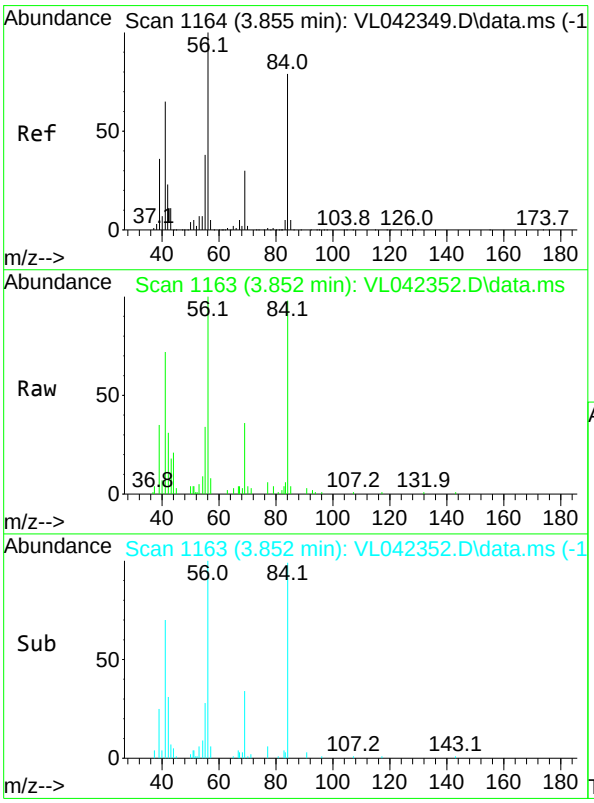
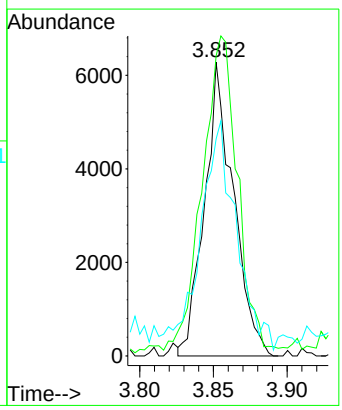
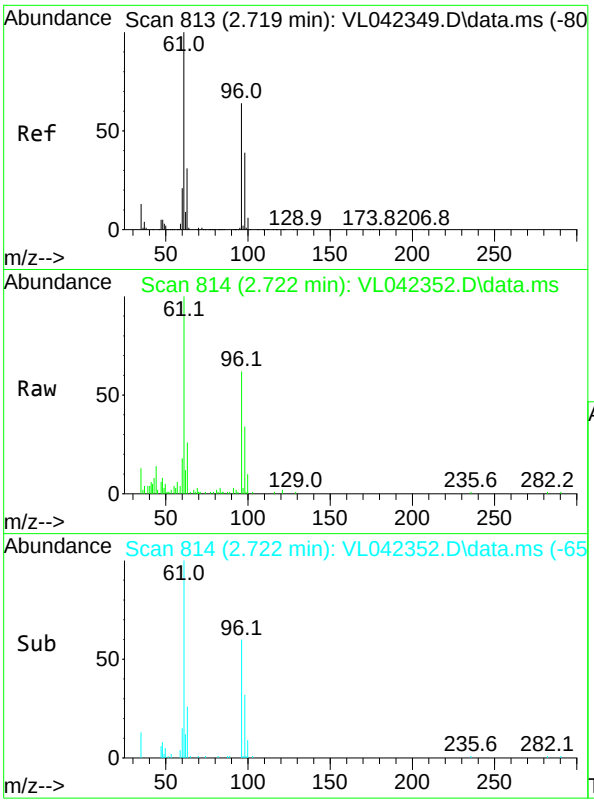


#30
Cyclohexane
Concen: 0.541 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 84 Resp: 8572

Ion	Ratio	Lower	Upper
84	100		
56	132.8	101.0	151.4
41	89.8	67.4	101.0

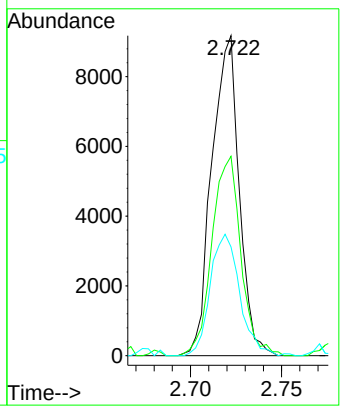




#31
cis-1,2-Dichloroethene
Concen: 0.511 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 61 Resp: 957

Ion	Ratio	Lower	Upper
61	100		
96	62.3	50.8	76.2
98	34.0	30.9	46.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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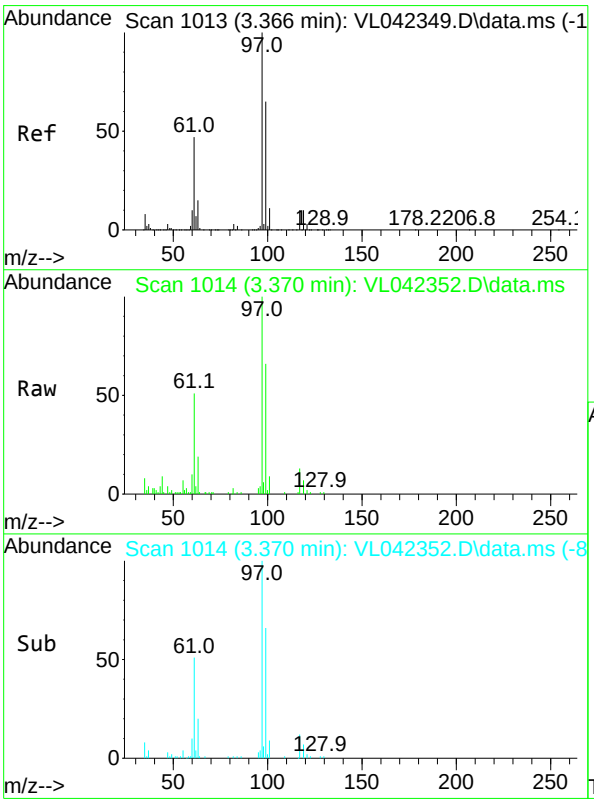
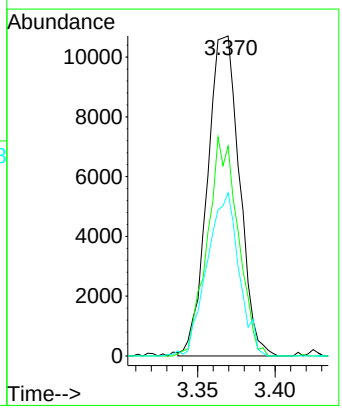
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

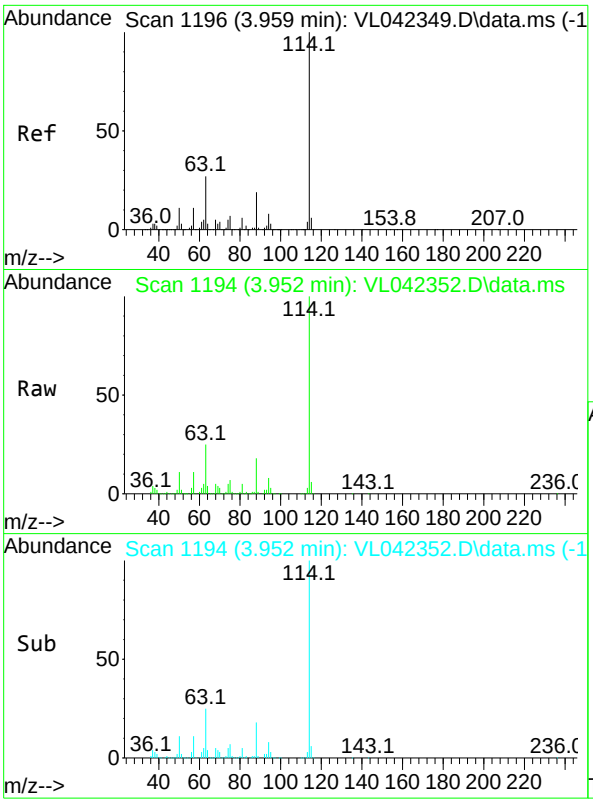


#32
1,1,1-Trichloroethane
Concen: 0.516 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 97 Resp: 15413

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.4
61	50.8	38.8	58.2

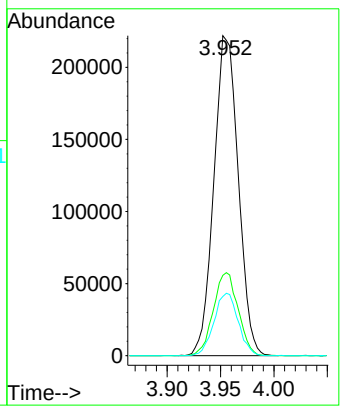




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:114 Resp: 35313

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.8	32.6
88	19.4	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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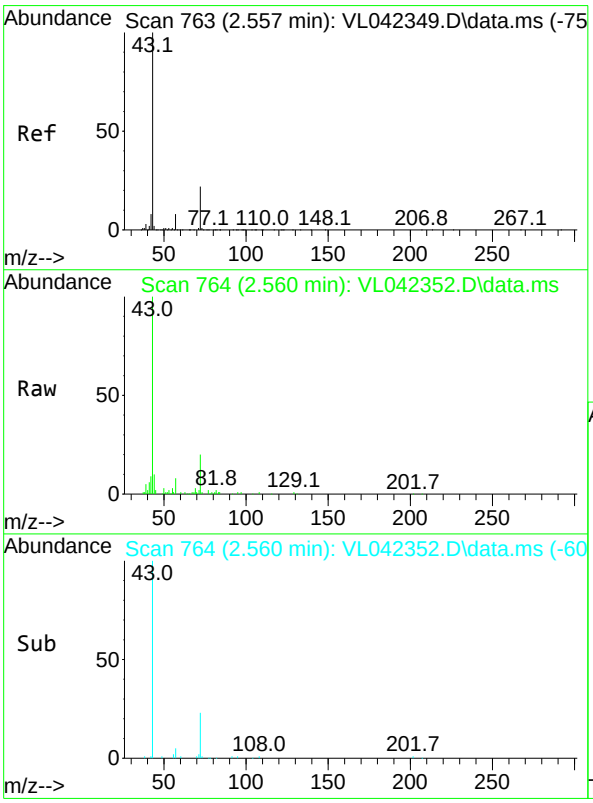
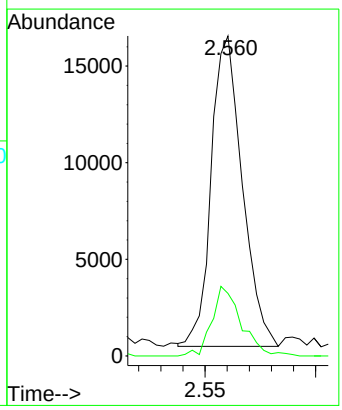
Supervised By :Mahesh Dadoda 04/18/2025

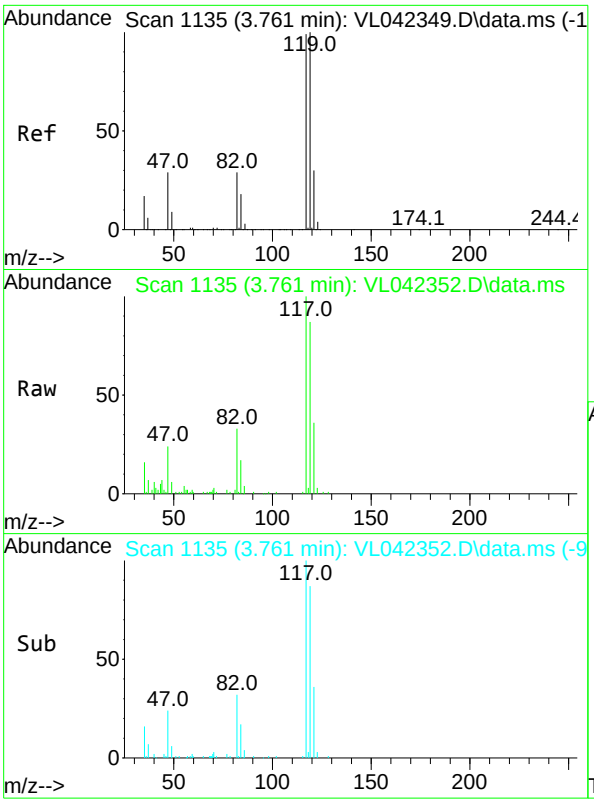


#34
2-Butanone
Concen: 0.560 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 15640

Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2

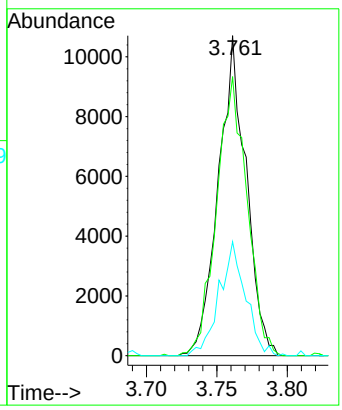




#35
Carbon Tetrachloride
Concen: 0.459 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:117 Resp: 1468

Ion	Ratio	Lower	Upper
117	100		
119	87.2	80.5	120.7
121	35.6	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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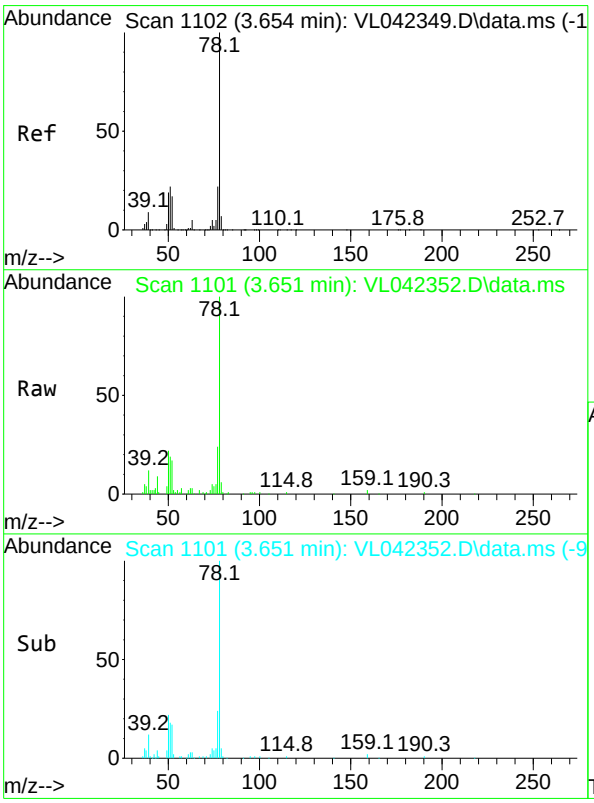
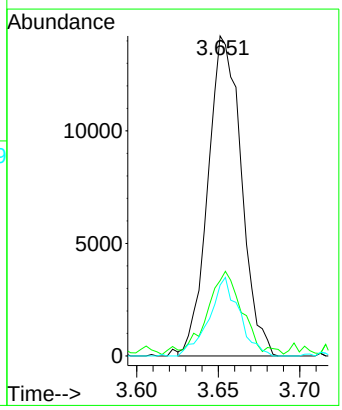
Supervised By :Mahesh Dadoda 04/18/2025

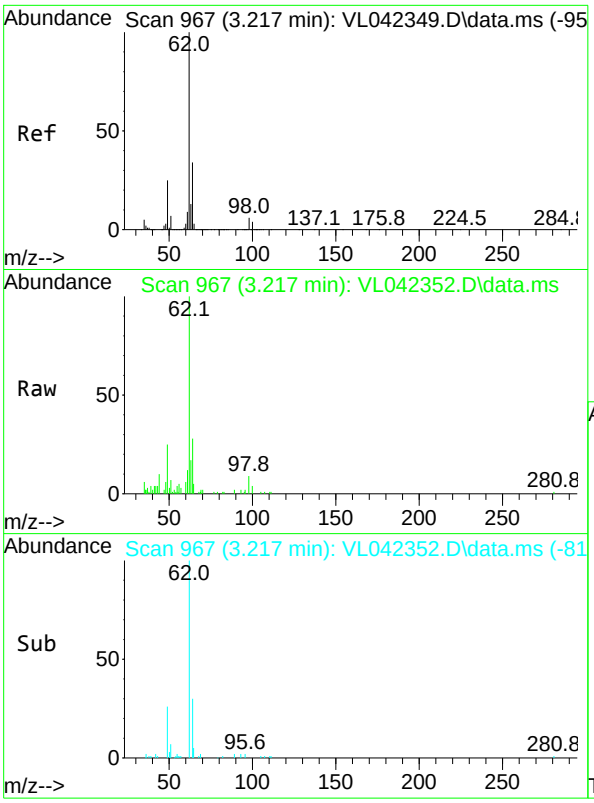


#36
Benzene
Concen: 0.531 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 78 Resp: 20233

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	22.1	15.5	23.3

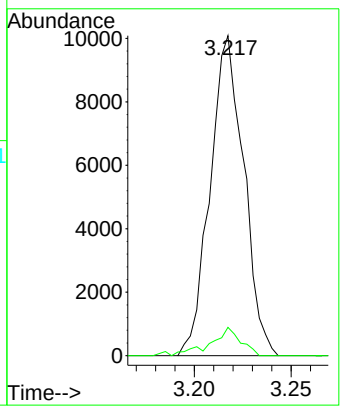




#37
1,2-Dichloroethane
Concen: 0.533 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 62 Resp: 1219

Ion	Ratio	Lower	Upper
62	100		
98	8.1	5.1	7.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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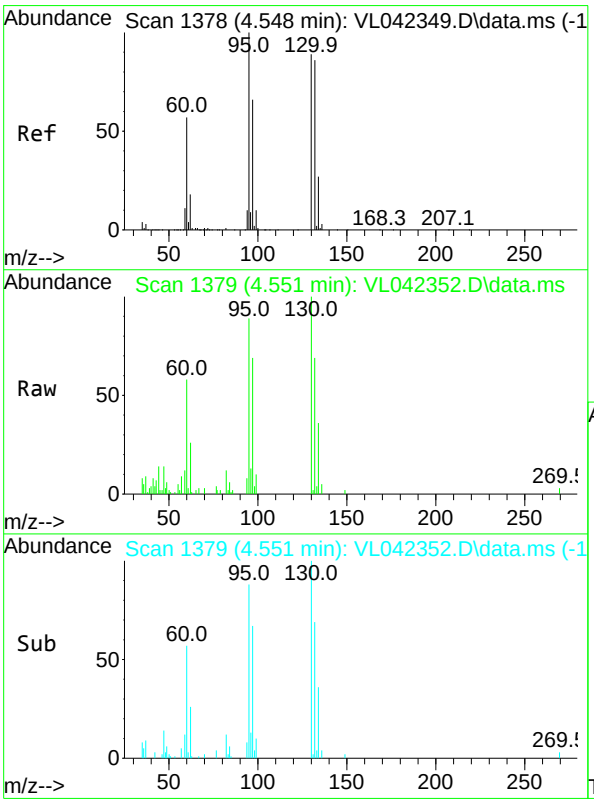
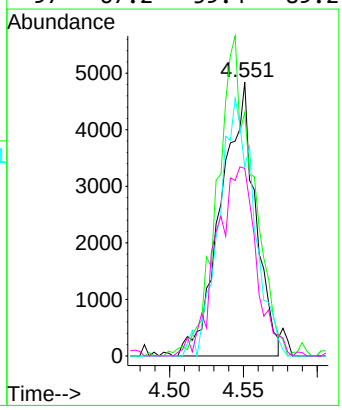
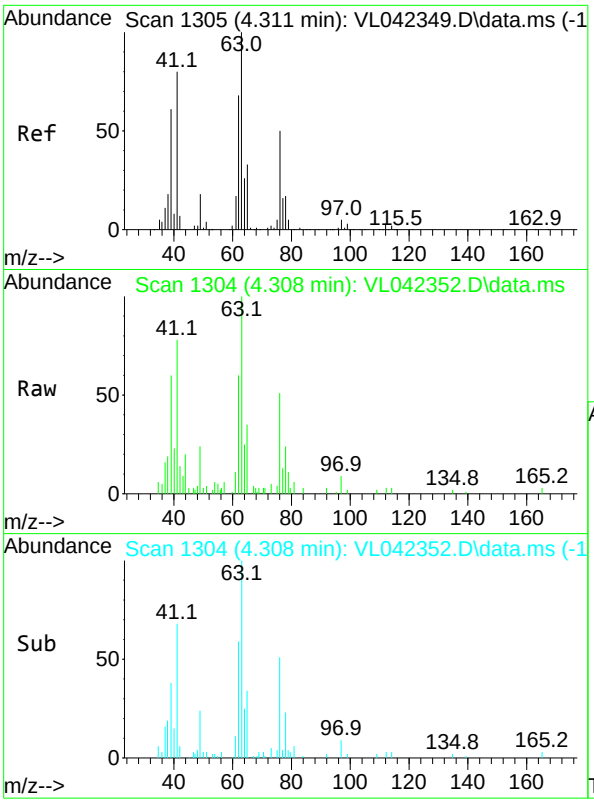


#38
Trichloroethene
Concen: 0.468 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:130 Resp: 7819

Ion	Ratio	Lower	Upper
130	100		
95	86.2	89.8	134.6#
132	69.1	77.7	116.5#
97	67.2	59.4	89.2

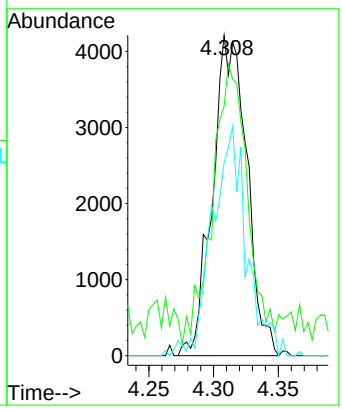




#39
1,2-Dichloropropane
Concen: 0.548 ppbv m
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 63 Resp: 779

Ion	Ratio	Lower	Upper
63	100		
41	78.0	64.2	96.2
62	60.4	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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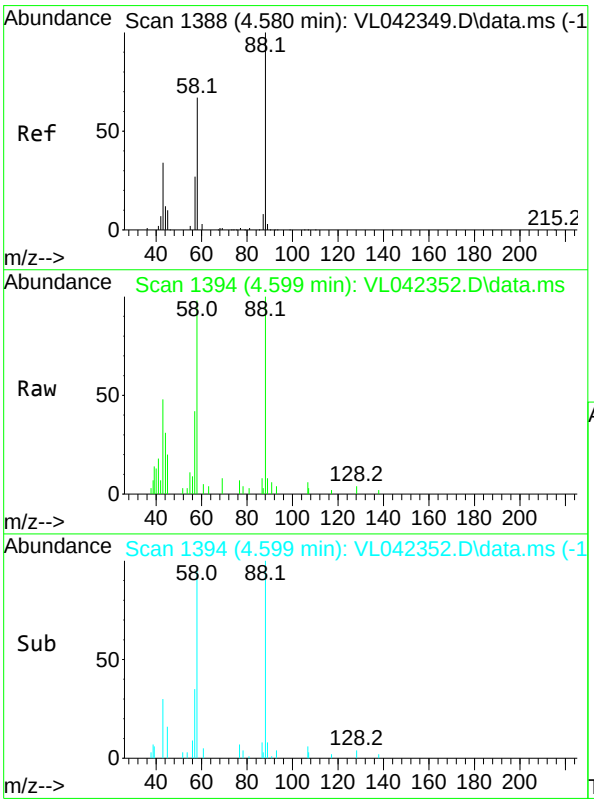
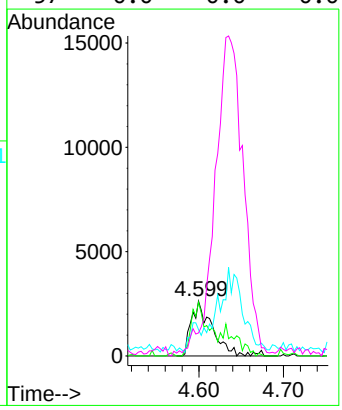
Supervised By :Mahesh Dadoda 04/18/2025

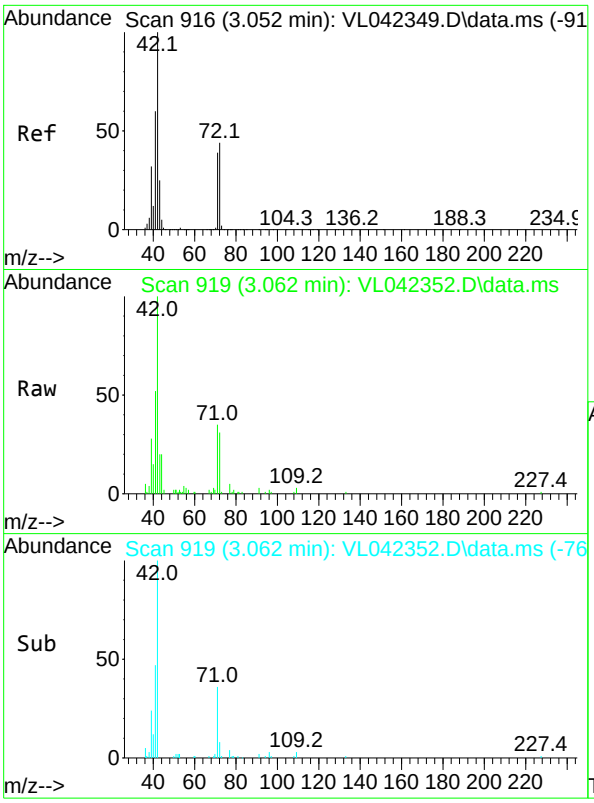


#40
1,4-Dioxane
Concen: 0.603 ppbv m
RT: 4.599 min Scan# 1394
Delta R.T. 0.019 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 88 Resp: 4637

Ion	Ratio	Lower	Upper
88	100		
58	118.1	61.4	92.0#
43	0.0	23.2	34.8#
57	0.0	0.0	0.0

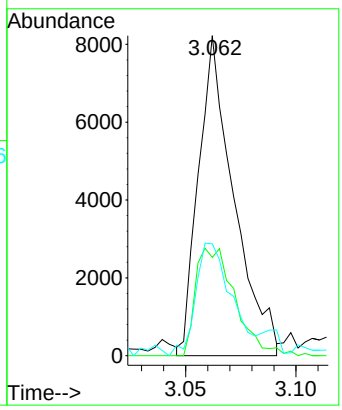




#41
Tetrahydrofuran
Concen: 0.567 ppbv m
RT: 3.062 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 42 Resp: 9144

Ion	Ratio	Lower	Upper
42	100		
72	37.7	32.3	48.5
71	43.1	31.4	47.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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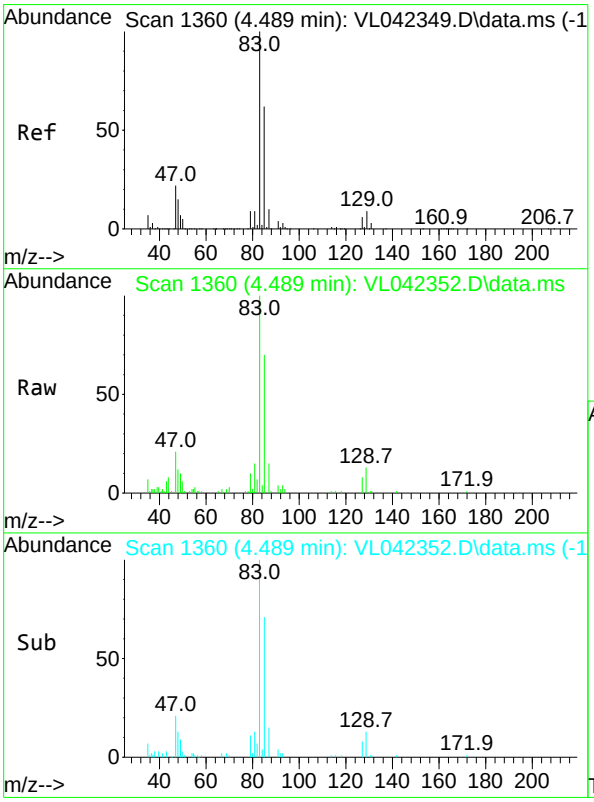
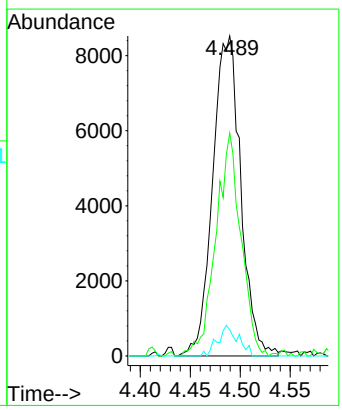
Supervised By :Mahesh Dadoda 04/18/2025

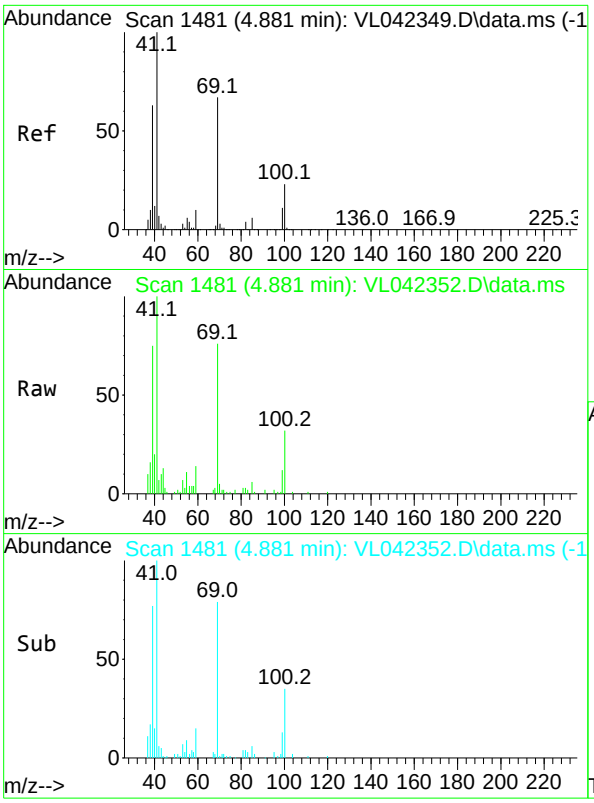


#42
Bromodichloromethane
Concen: 0.523 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 83 Resp: 16642

Ion	Ratio	Lower	Upper
83	100		
85	69.6	49.7	74.5
127	8.2	5.1	7.7#

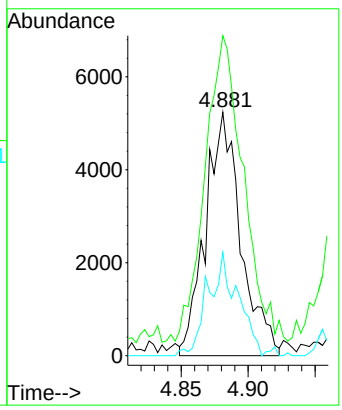




#43
Methyl Methacrylate
Concen: 0.563 ppbv m
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 69 Resp: 962(

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	177.8#
100	0.0	28.2	42.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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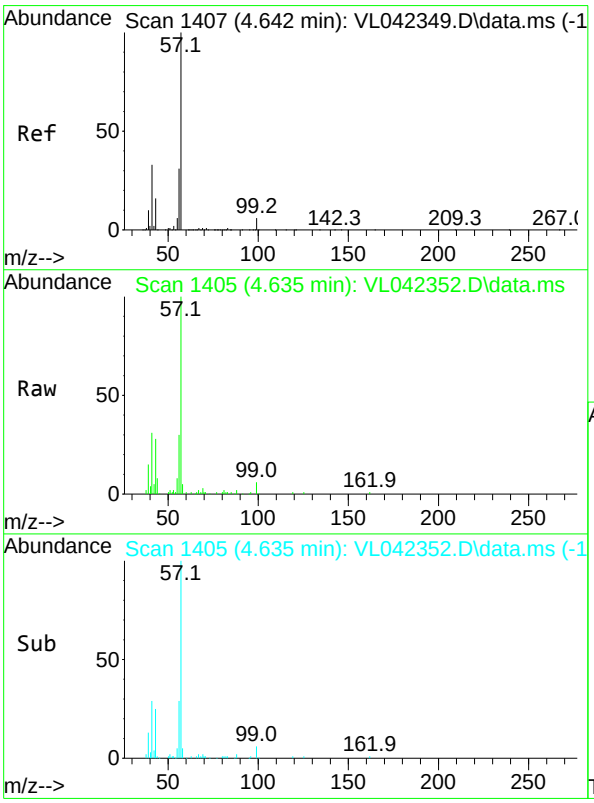
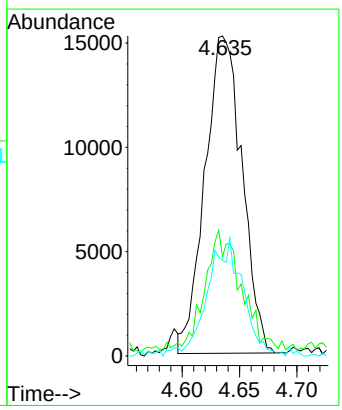
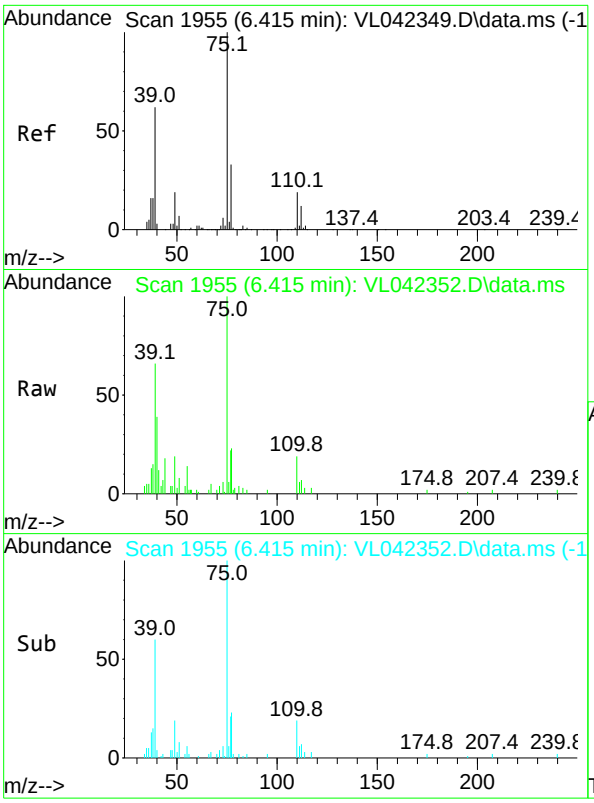


#44
2,2,4-Trimethylpentane
Concen: 0.519 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 57 Resp: 34170

Ion	Ratio	Lower	Upper
57	100		
41	39.1	27.2	40.8
56	37.1	25.7	38.5





#45
t-1,3-Dichloropropene
Concen: 0.517 ppbv m
RT: 6.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 75 Resp: 907

Ion	Ratio	Lower	Upper
75	100		
77	23.1	27.0	40.6#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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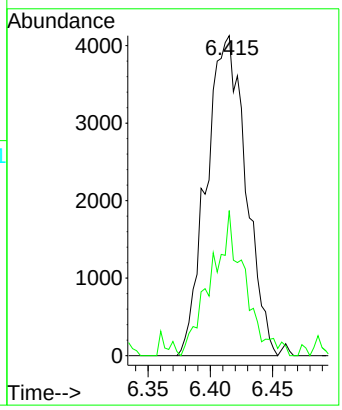
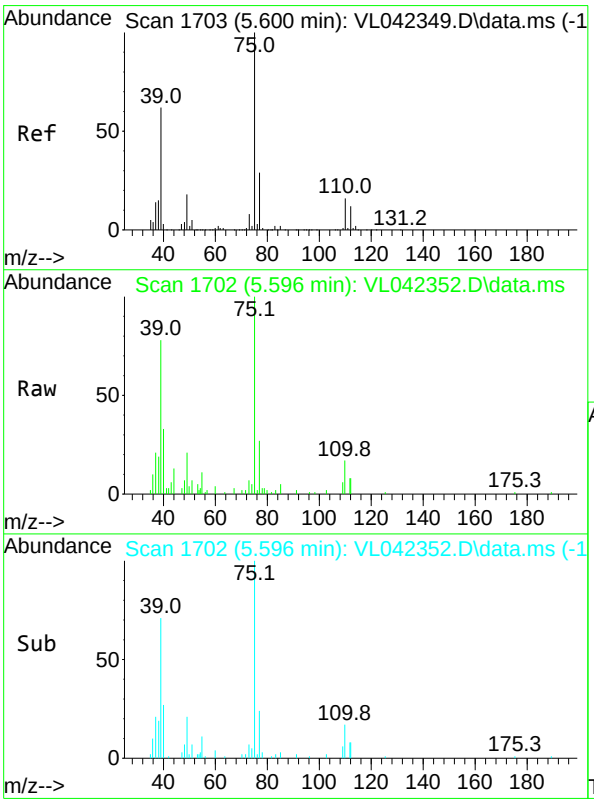
Supervised By :Mahesh Dadoda 04/18/2025

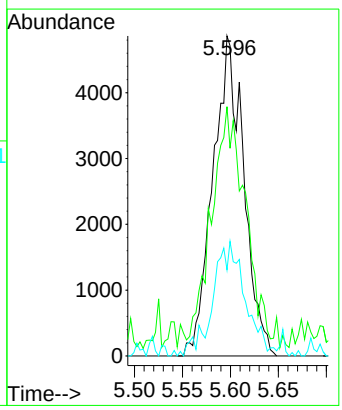


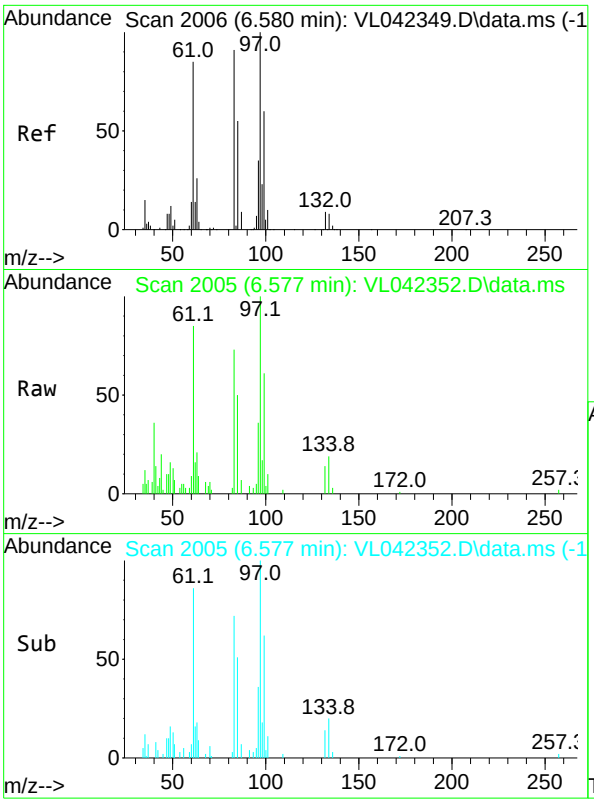


#46
cis-1,3-Dichloropropene
Concen: 0.505 ppbv m
RT: 5.596 min Scan# 1702
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 75 Resp: 10827

Ion	Ratio	Lower	Upper
75	100		
39	77.9	50.0	75.0#
77	26.9	23.0	34.6

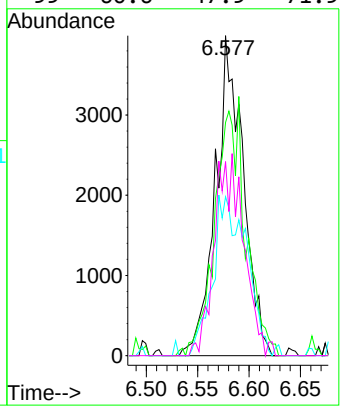




#47
1,1,2-Trichloroethane
Concen: 0.516 ppbv m
RT: 6.577 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 97 Resp: 746

Ion	Ratio	Lower	Upper
97	100		
83	72.9	72.8	109.2
85	49.6	44.2	66.4
99	60.6	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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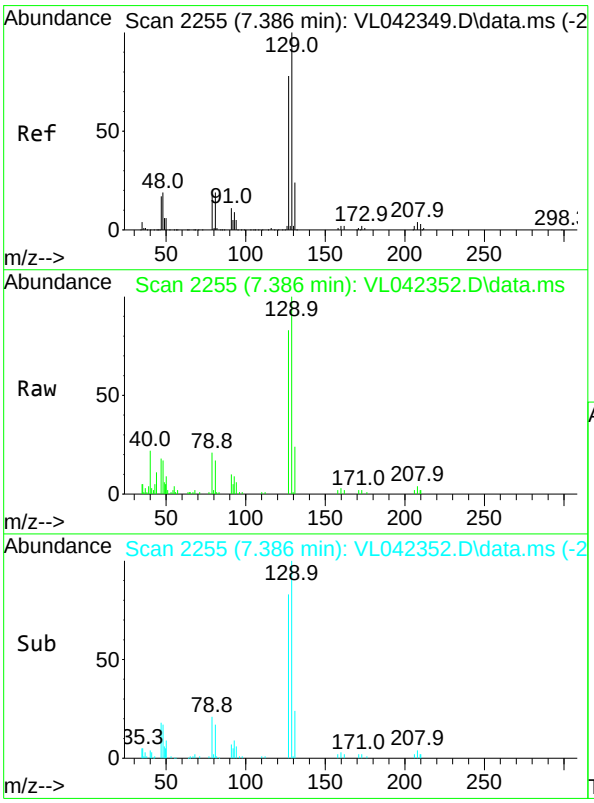
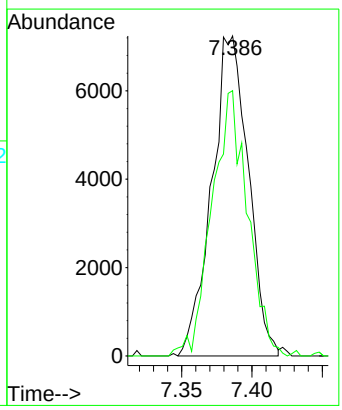
Supervised By :Mahesh Dadoda 04/18/2025

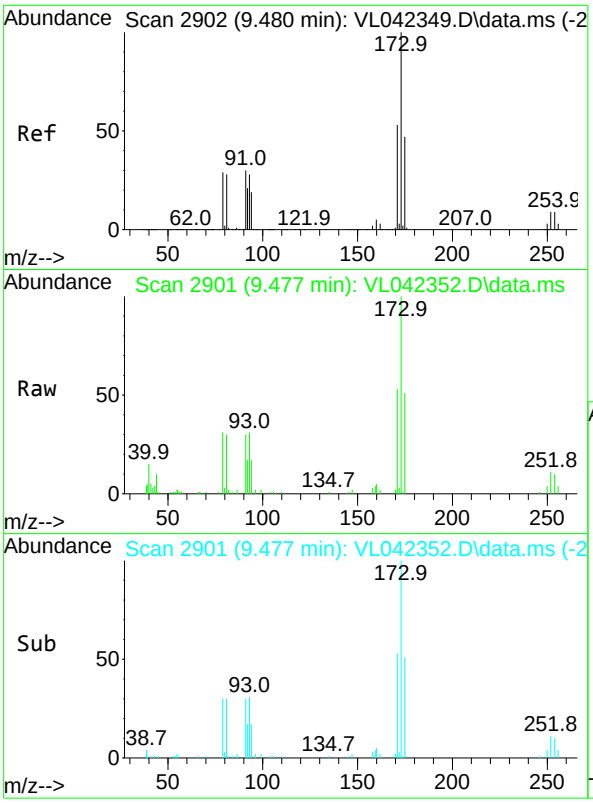


#48
Dibromochloromethane
Concen: 0.514 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:129 Resp: 13122

Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.1	117.3

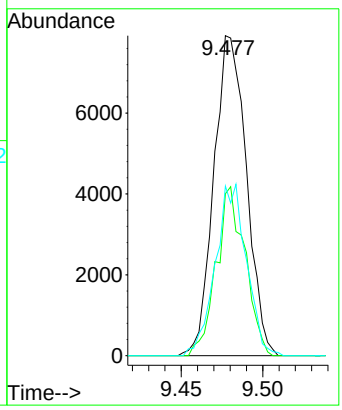




#49
Bromoform
Concen: 0.492 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:173 Resp: 1098

Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.2	57.2
171	51.2	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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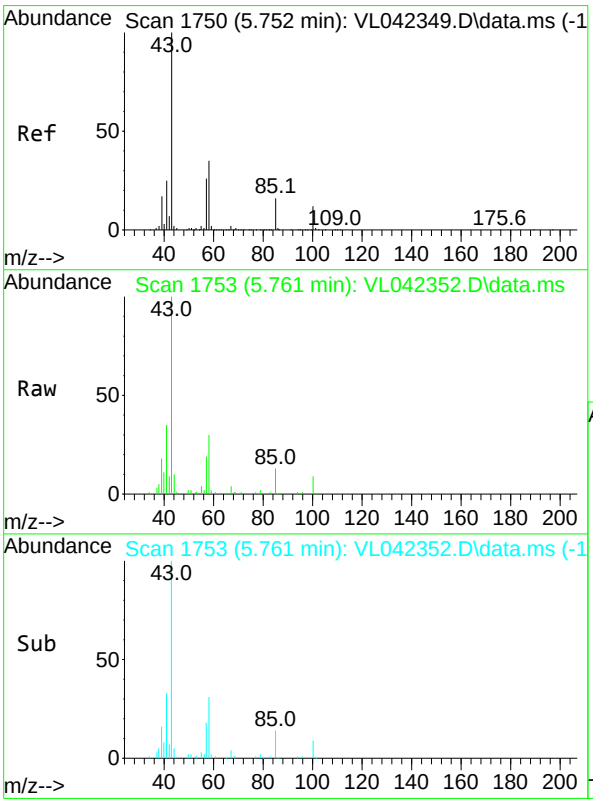
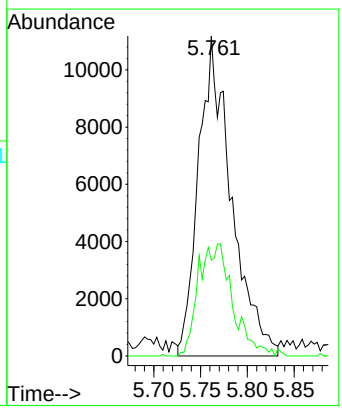
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

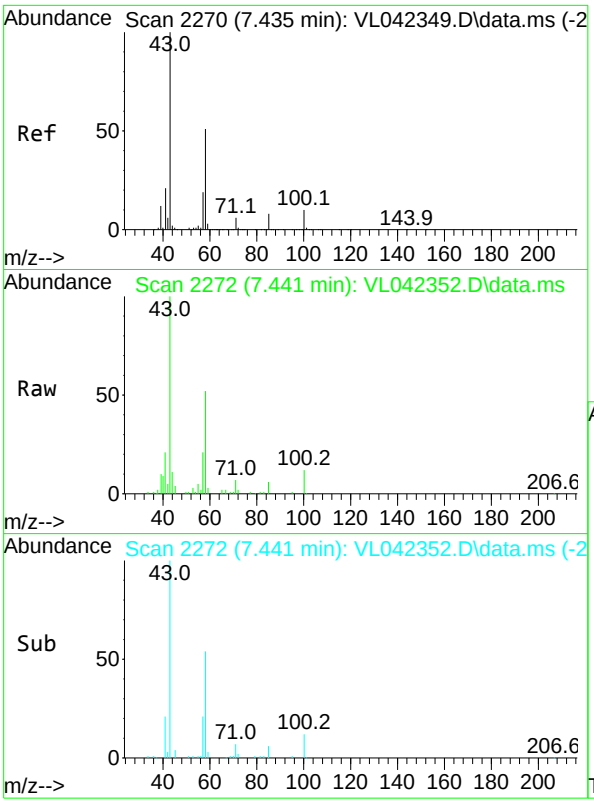


#50
4-Methyl-2-Pentanone
Concen: 0.585 ppbv m
RT: 5.761 min Scan# 1753
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 27206

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#

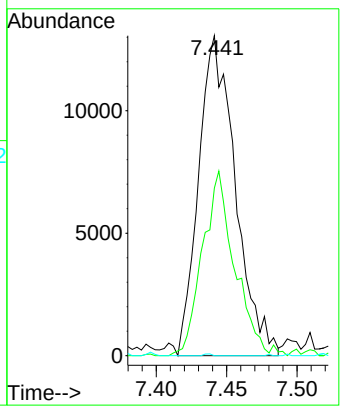




#51
2-Hexanone
Concen: 0.564 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 2368

Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.2	60.4
98	0.1	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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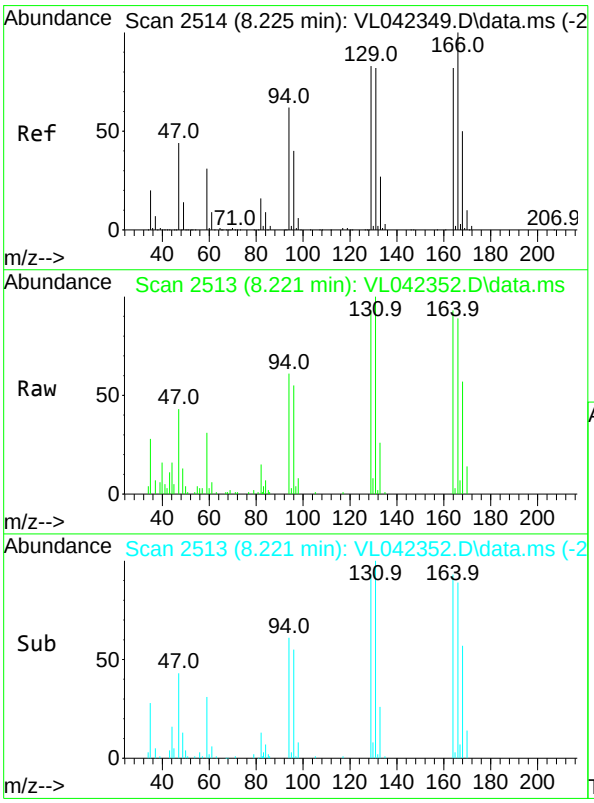
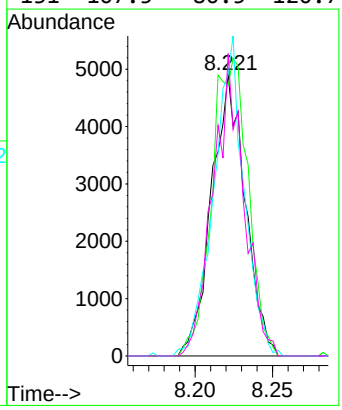
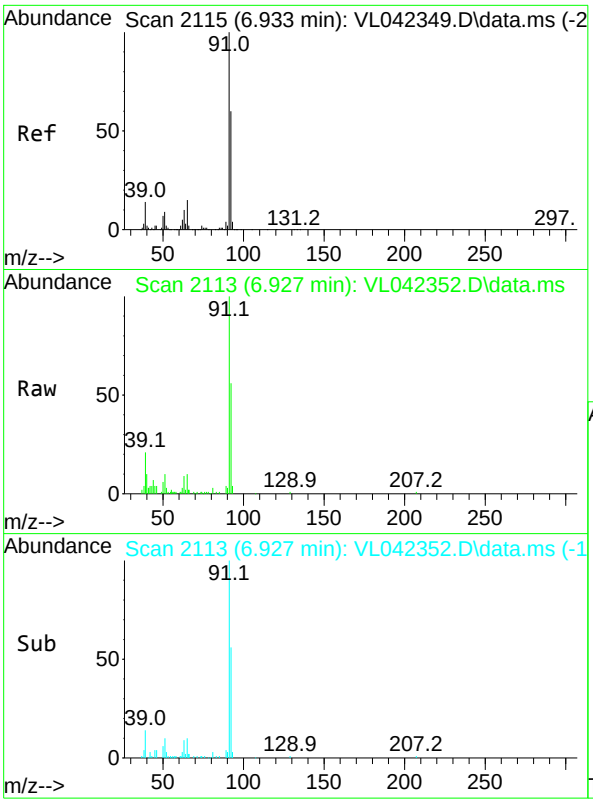


#52
Tetrachloroethene
Concen: 0.503 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:164 Resp: 7412

Ion	Ratio	Lower	Upper
164	100		
166	96.1	98.2	147.2#
129	97.8	81.8	122.8
131	107.5	80.5	120.7

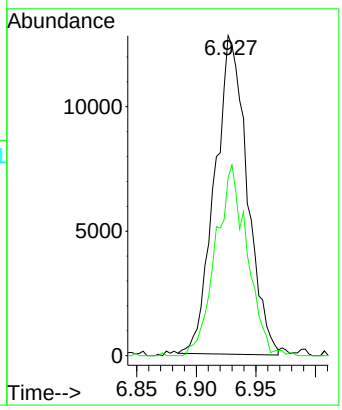




#53
Toluene
Concen: 0.529 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 2420

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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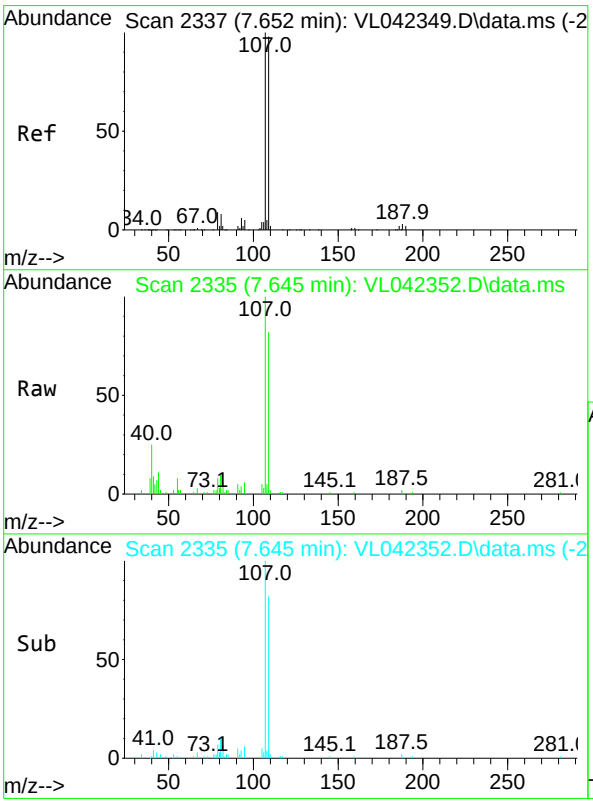
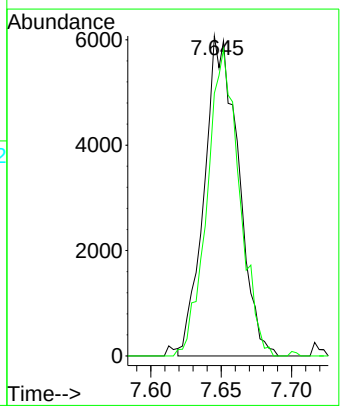
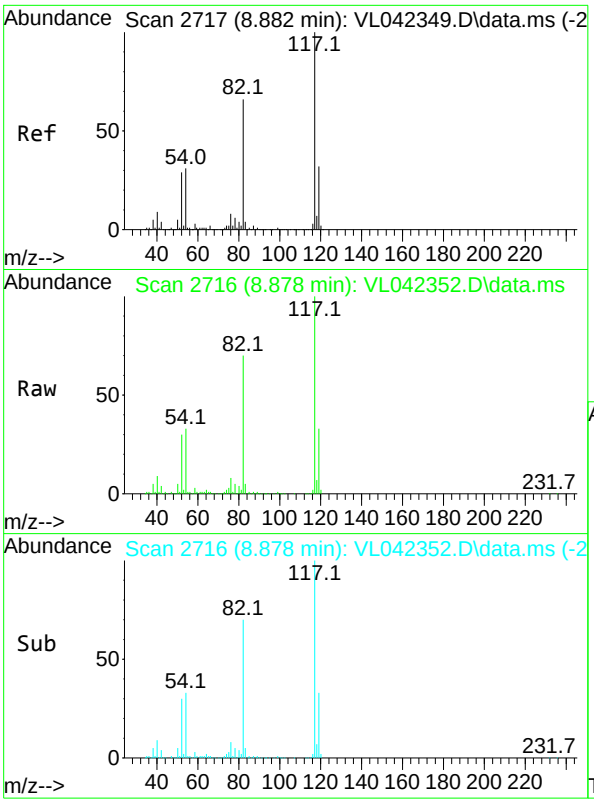


#54
1,2-Dibromoethane
Concen: 0.499 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:107 Resp: 10282

Ion	Ratio	Lower	Upper
107	100		
109	82.1	78.2	117.4

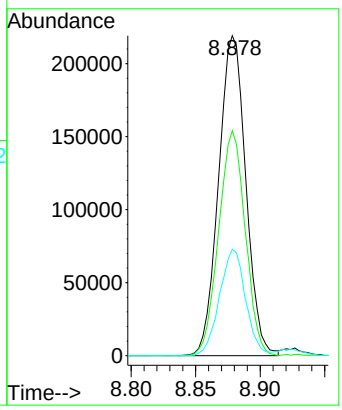




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:117 Resp: 32164

Ion	Ratio	Lower	Upper
117	100		
82	69.0	57.8	86.6
119	33.8	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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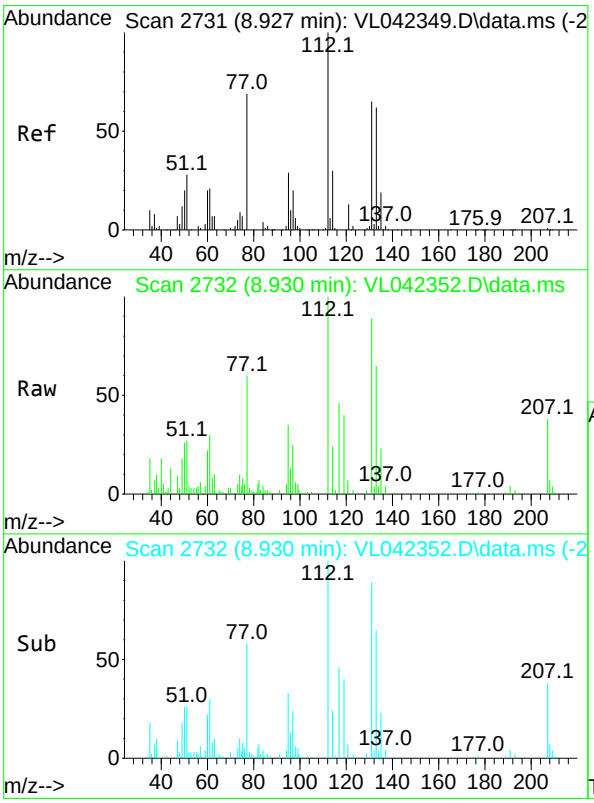
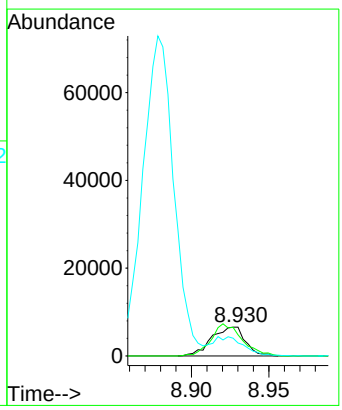
Supervised By :Mahesh Dadoda 04/18/2025

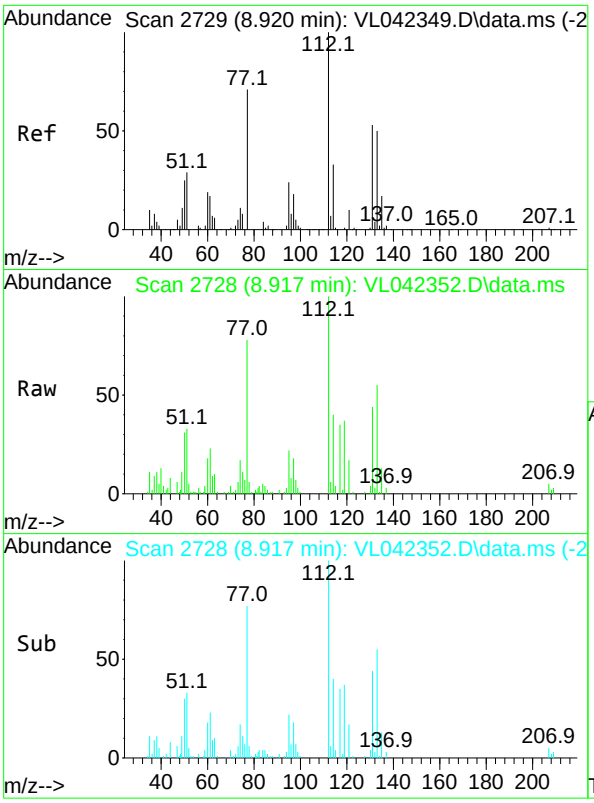


#56
1,1,1,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:131 Resp: 9987

Ion	Ratio	Lower	Upper
131	100		
133	102.0	78.3	117.5
119	1087.9	48.7	73.1#

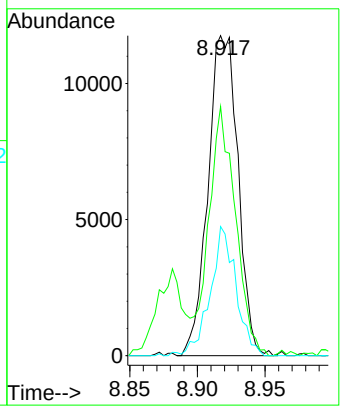




#57
Chlorobenzene
Concen: 0.543 ppbv m
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:112 Resp: 1814

Ion	Ratio	Lower	Upper
112	100		
77	77.8	57.8	86.6
114	40.4	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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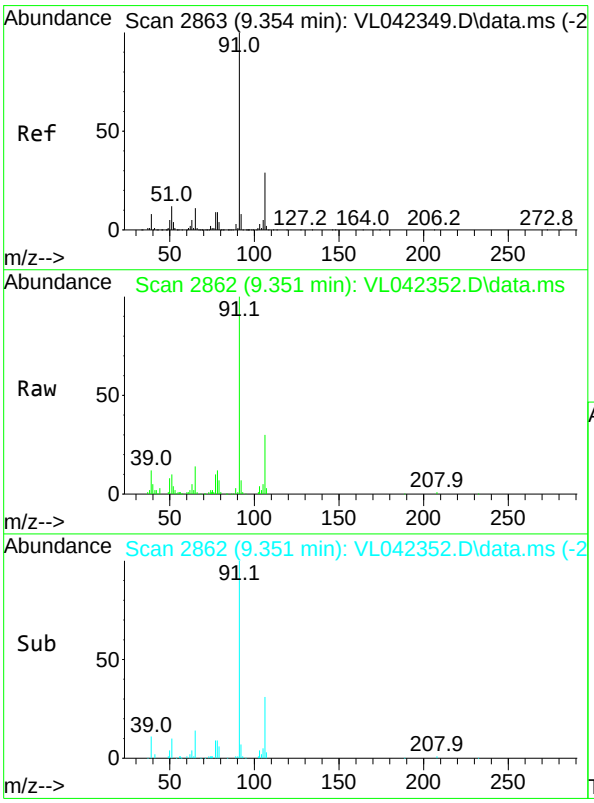
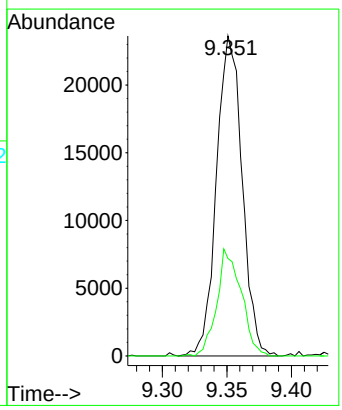
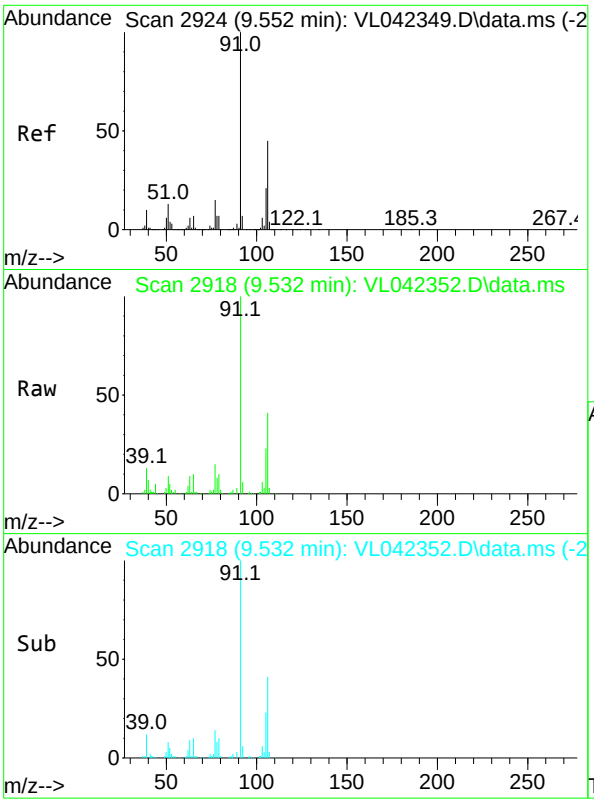


#58
Ethyl Benzene
Concen: 0.512 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 32624

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.0	34.4

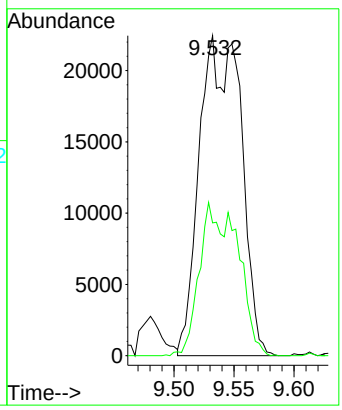




#59
m/p-Xylene
Concen: 1.053 ppbv m
RT: 9.532 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 5419

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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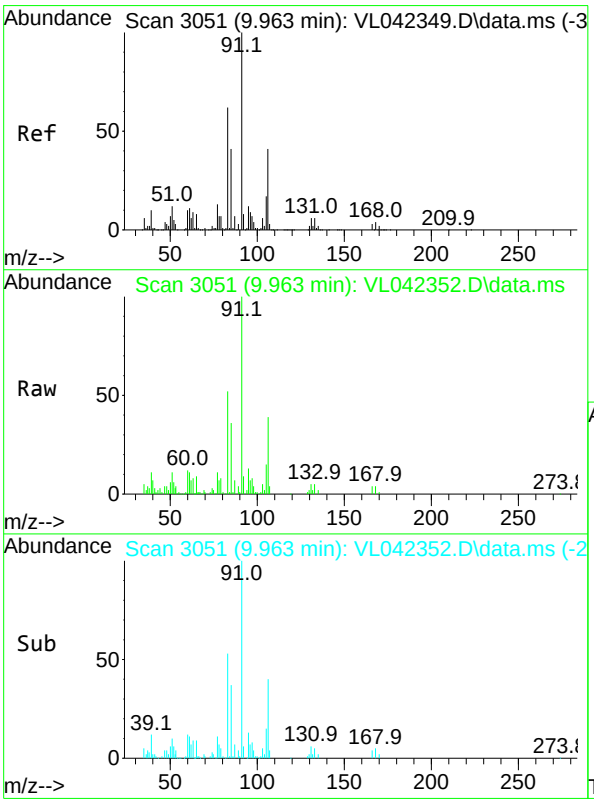
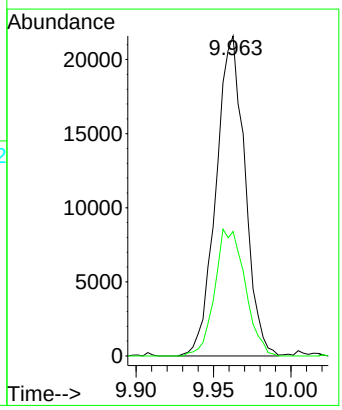
Supervised By :Mahesh Dadoda 04/18/2025

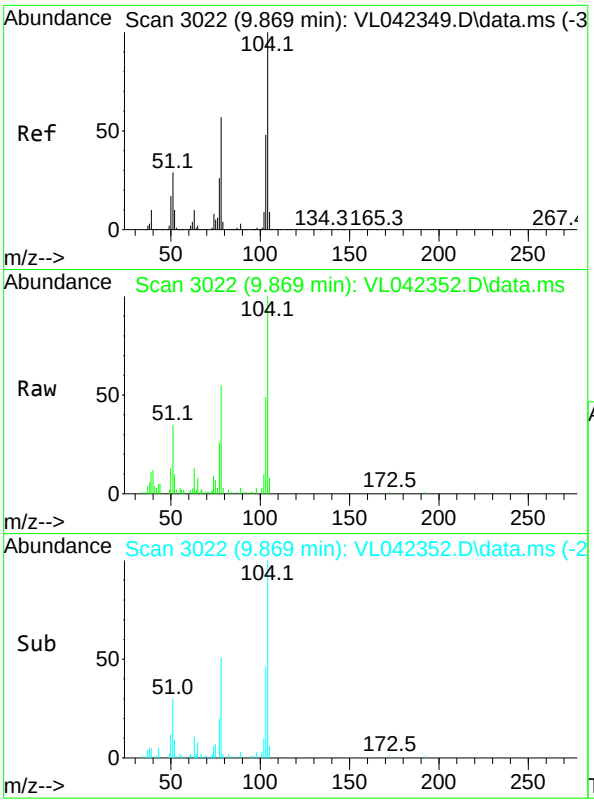


#60
o-Xylene
Concen: 0.541 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 27983

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.1	63.4

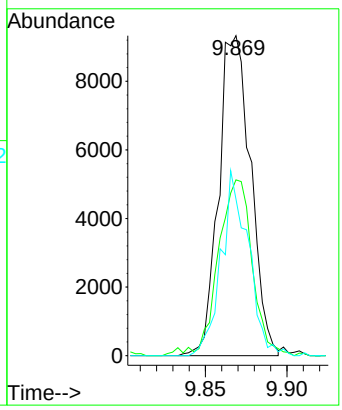




#61
Styrene
Concen: 0.516 ppbv
RT: 9.869 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:104 Resp: 1273

Ion	Ratio	Lower	Upper
104	100		
78	58.6	44.6	66.8
103	49.2	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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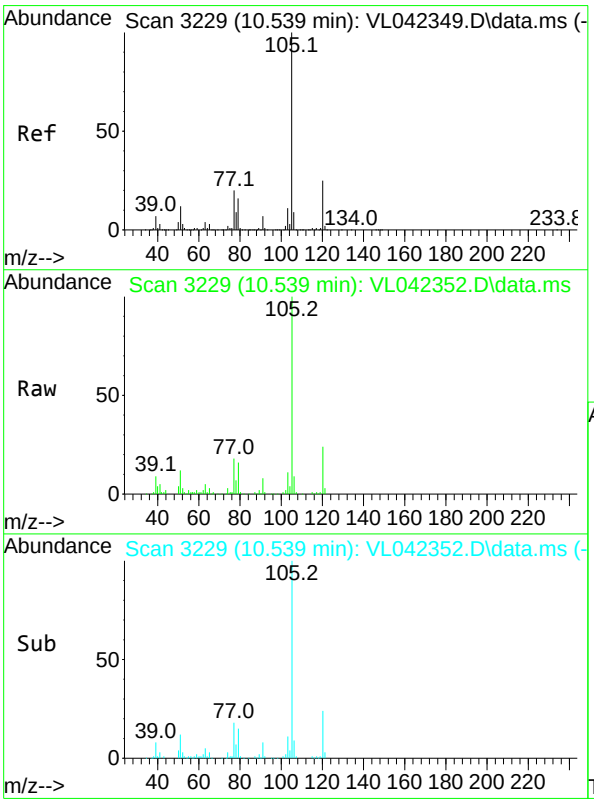
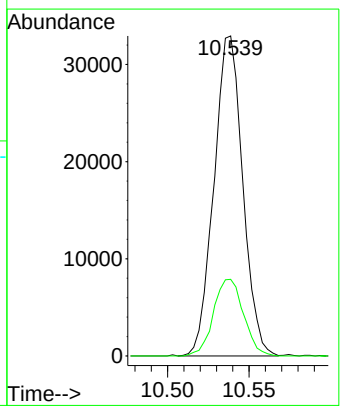
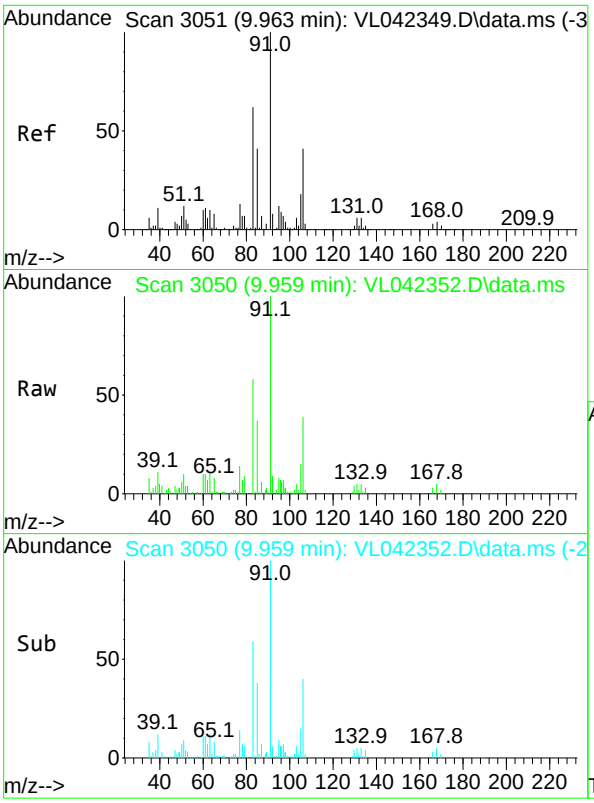


#62
Isopropylbenzene
Concen: 0.533 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 40481

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.8	29.8

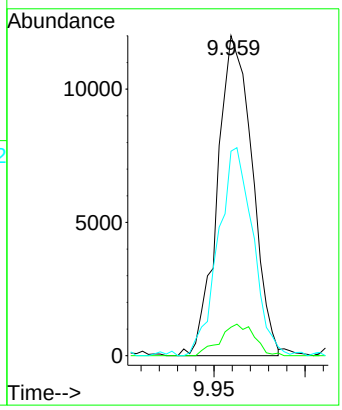




#63
1,1,2,2-Tetrachloroethane
Concen: 0.474 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 83 Resp: 1592

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	65.6	32.4	97.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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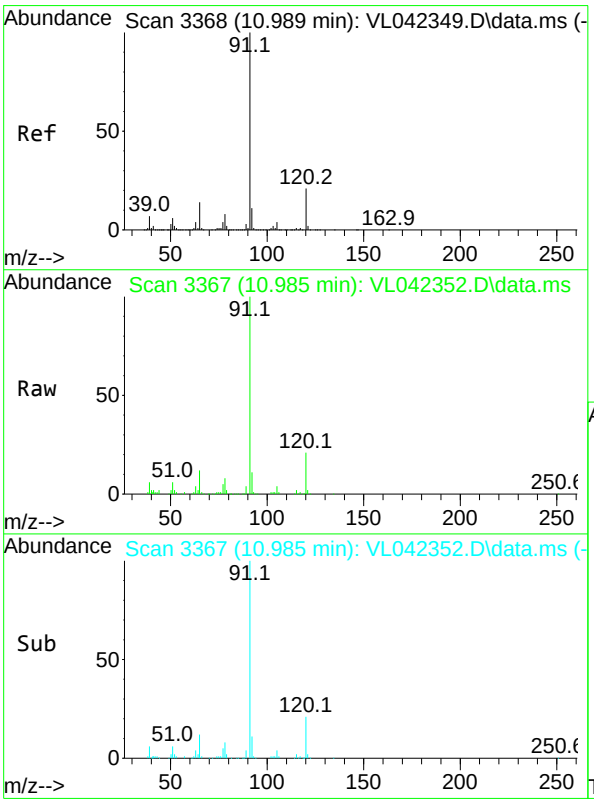
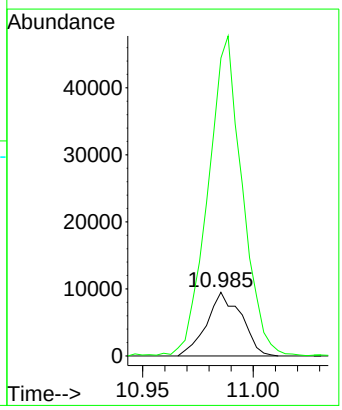
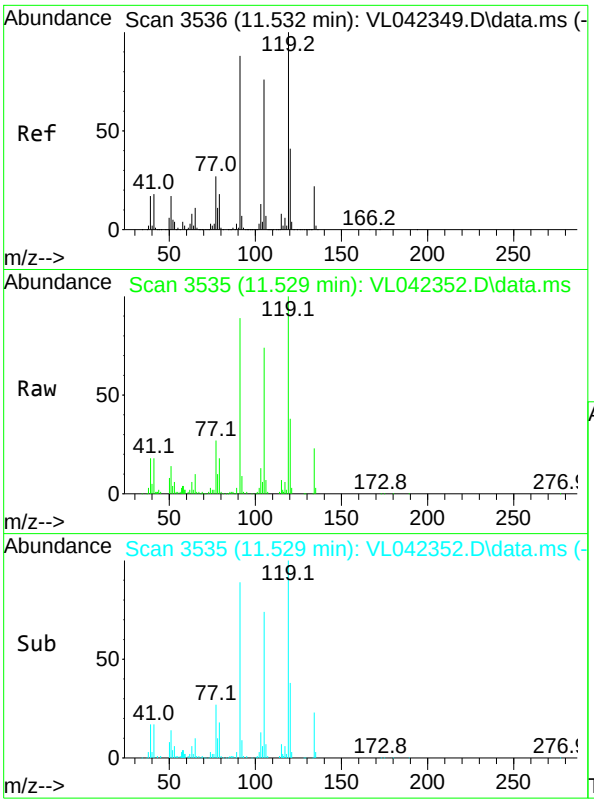


#64
n-propylbenzene
Concen: 0.544 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:120 Resp: 10369

Ion	Ratio	Lower	Upper
120	100		
91	499.6	392.4	588.6

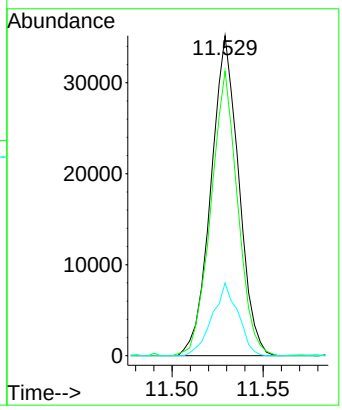




#65
tert-Butylbenzene
Concen: 0.535 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:119 Resp: 3729

Ion	Ratio	Lower	Upper
119	100		
91	85.8	74.6	111.8
134	21.1	18.8	28.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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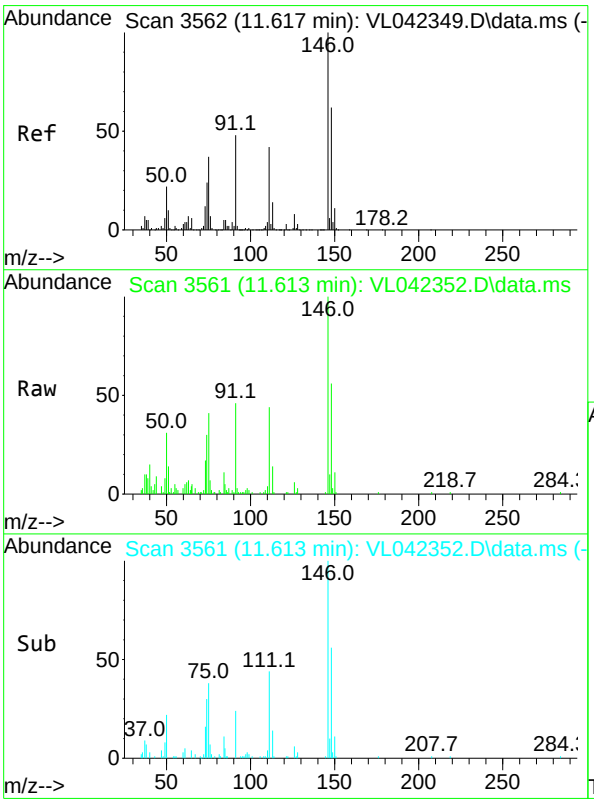
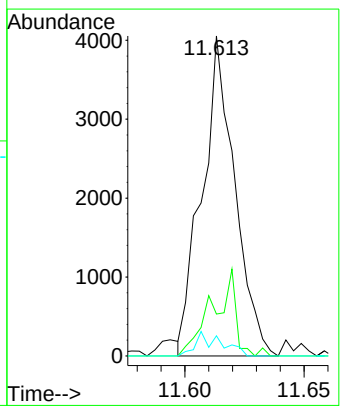
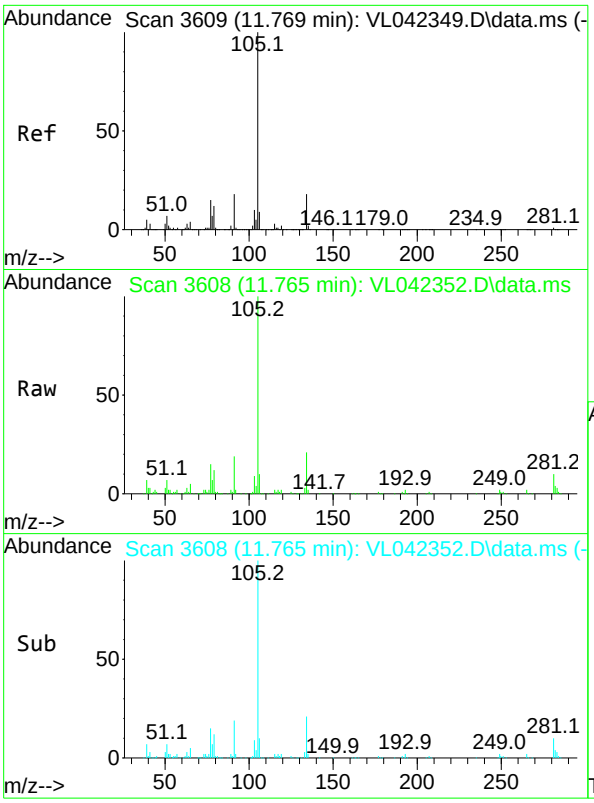


#66
Benzyl Chloride
Concen: 0.506 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 3878

Ion	Ratio	Lower	Upper
91	100		
126	19.8	11.8	17.6#
128	5.8	4.5	6.7

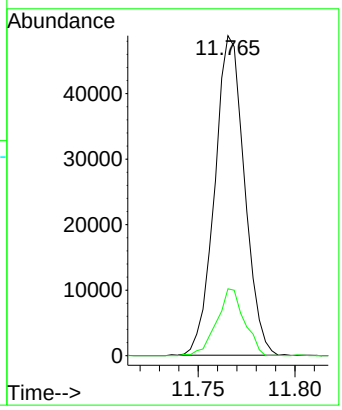




#67
sec-Butylbenzene
Concen: 0.537 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 5213

Ion	Ratio	Lower	Upper
105	100		
134	19.5	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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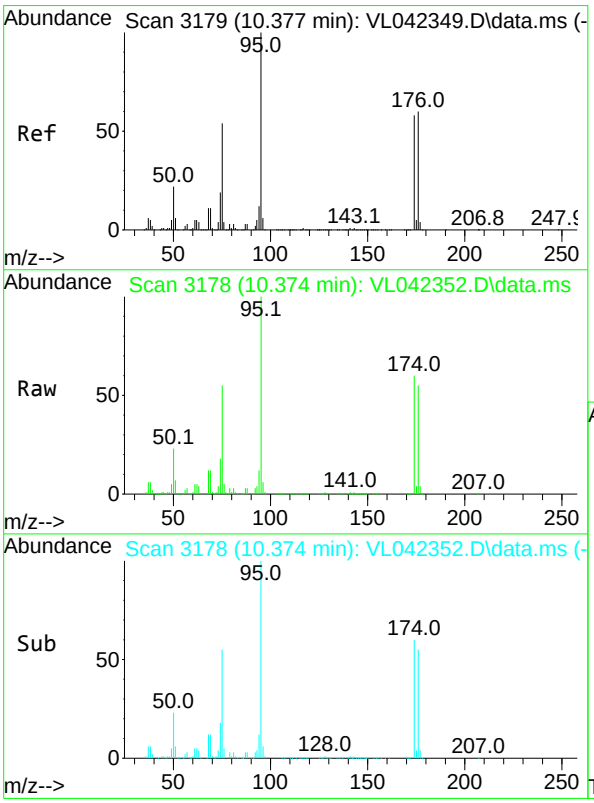
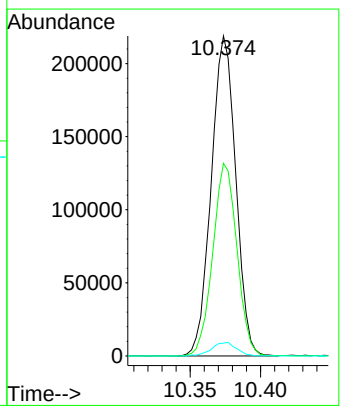
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

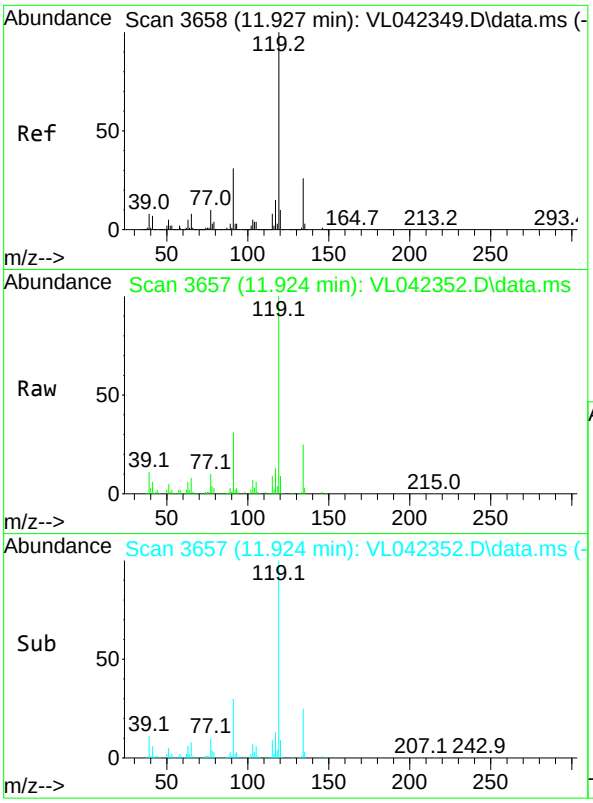


#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 95 Resp: 265161

Ion	Ratio	Lower	Upper
95	100		
174	59.4	48.5	72.7
175	4.3	3.7	5.5

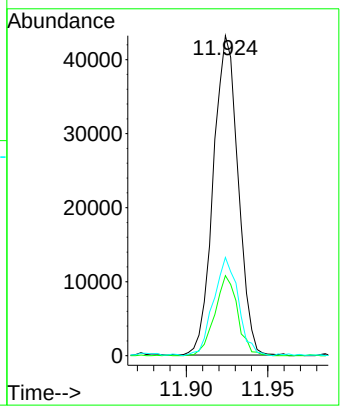




#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:119 Resp: 4557

Ion	Ratio	Lower	Upper
119	100		
134	23.3	20.0	30.0
91	31.4	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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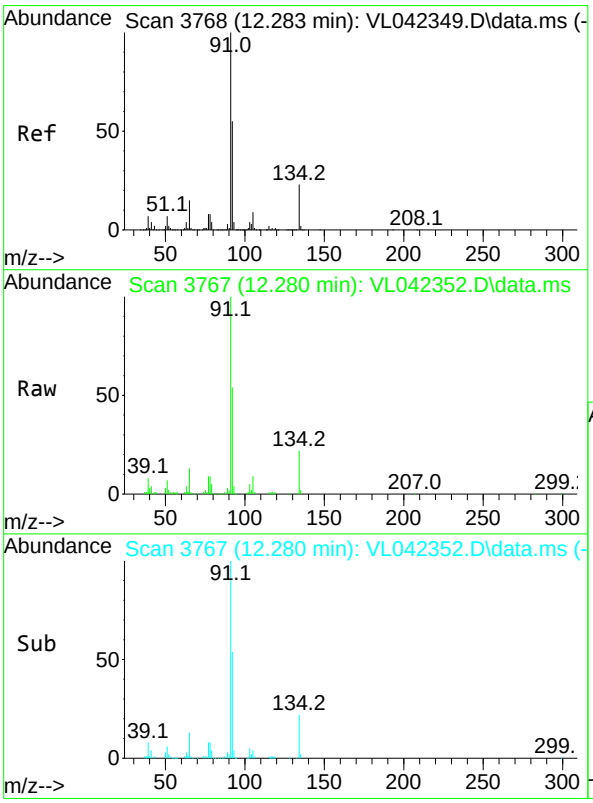
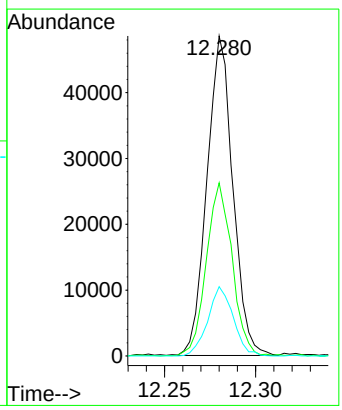
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

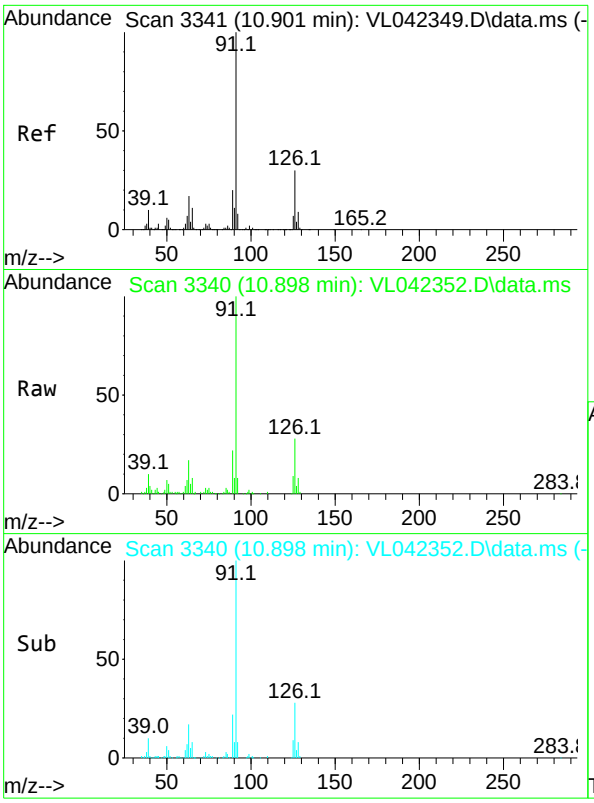


#70
n-Butylbenzene
Concen: 0.547 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 48004

Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.2	66.4
134	21.4	18.2	27.4

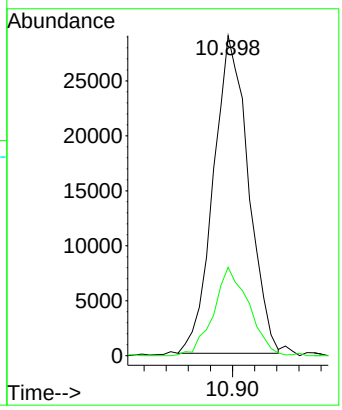




#71
2-Chlorotoluene
Concen: 0.533 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 3170

Ion	Ratio	Lower	Upper
91	100		
126	28.3	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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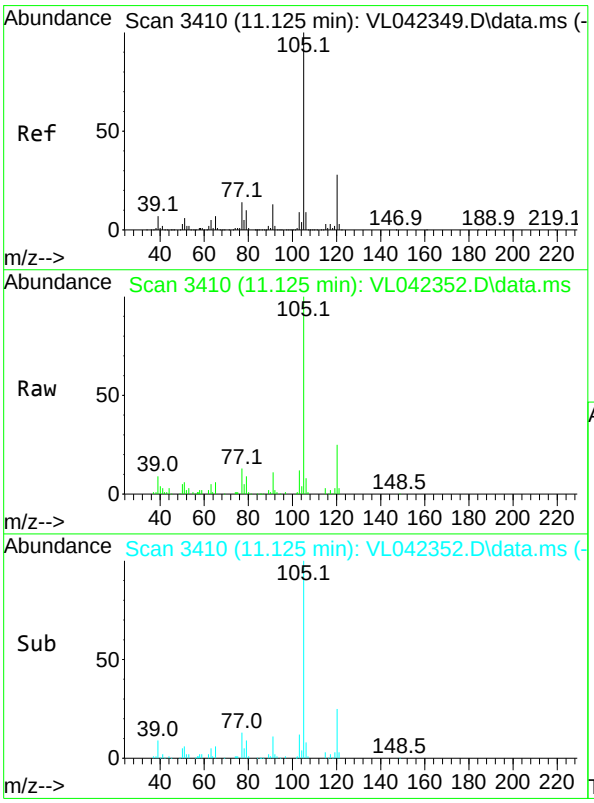
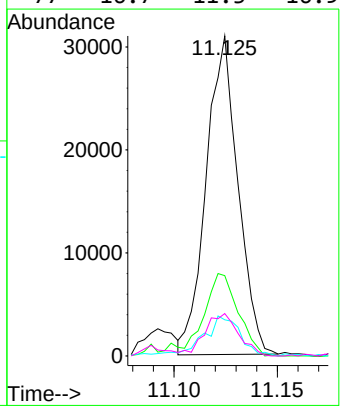
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

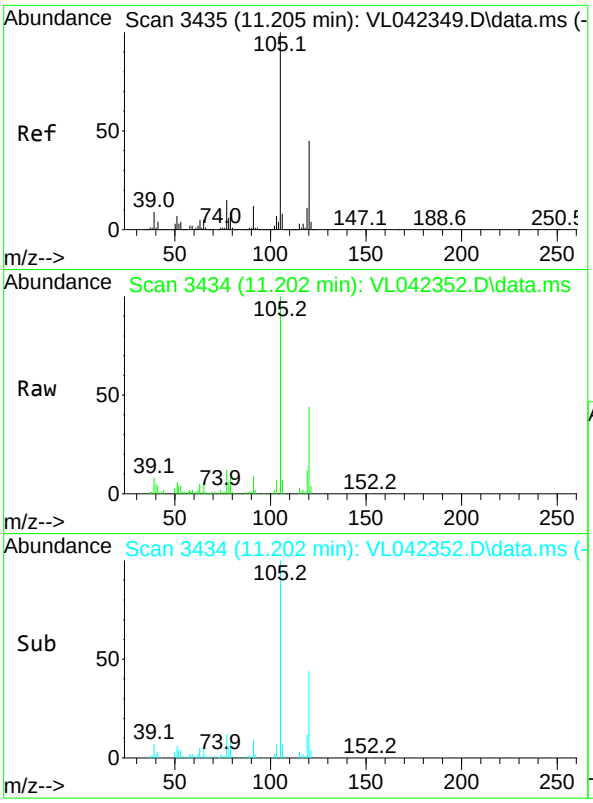


#72
4-Ethyltoluene
Concen: 0.523 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 33048

Ion	Ratio	Lower	Upper
105	100		
120	30.5	23.2	34.8
91	15.7	10.4	15.6#
77	16.7	11.3	16.9

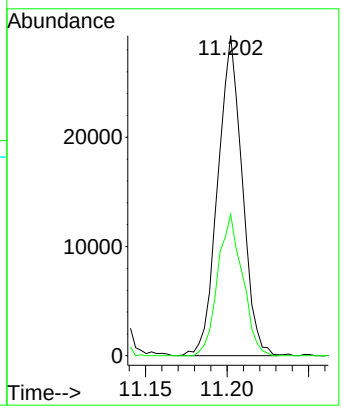




#73
1,3,5-Trimethylbenzene
Concen: 0.546 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 3046

Ion	Ratio	Lower	Upper
105	100		
120	44.1	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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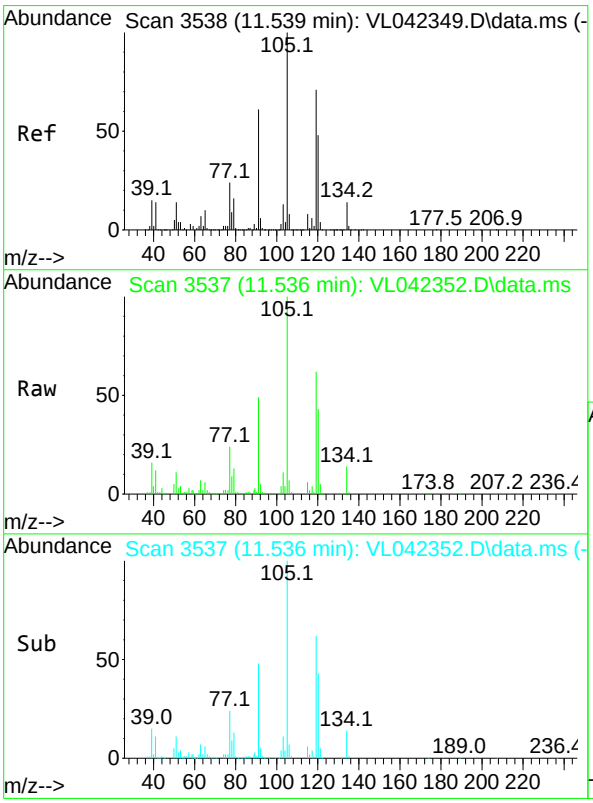
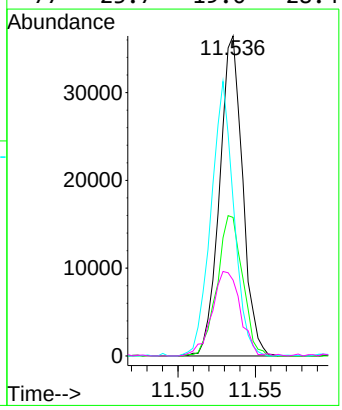
Supervised By :Mahesh Dadoda 04/18/2025

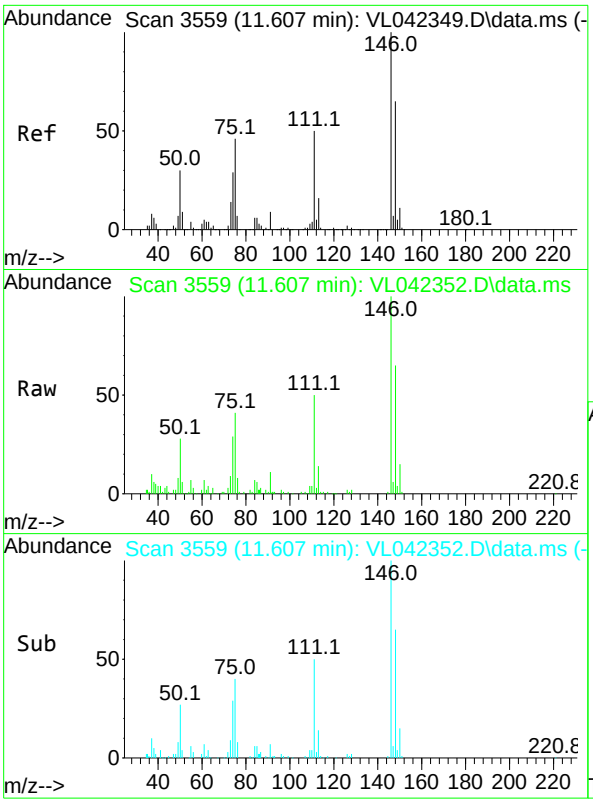


#74
1,2,4-Trimethylbenzene
Concen: 0.579 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 37765

Ion	Ratio	Lower	Upper
105	100		
120	43.3	38.1	57.1
91	48.7	48.8	73.2#
77	23.7	19.0	28.4

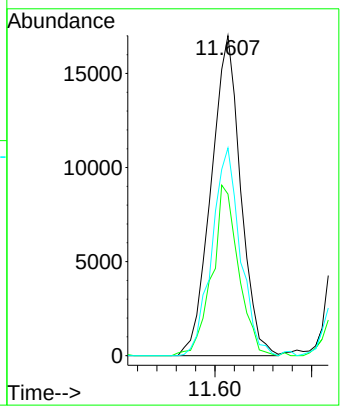




#75
1,3-Dichlorobenzene
Concen: 0.531 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:146 Resp: 1800

Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.3	72.8
148	62.9	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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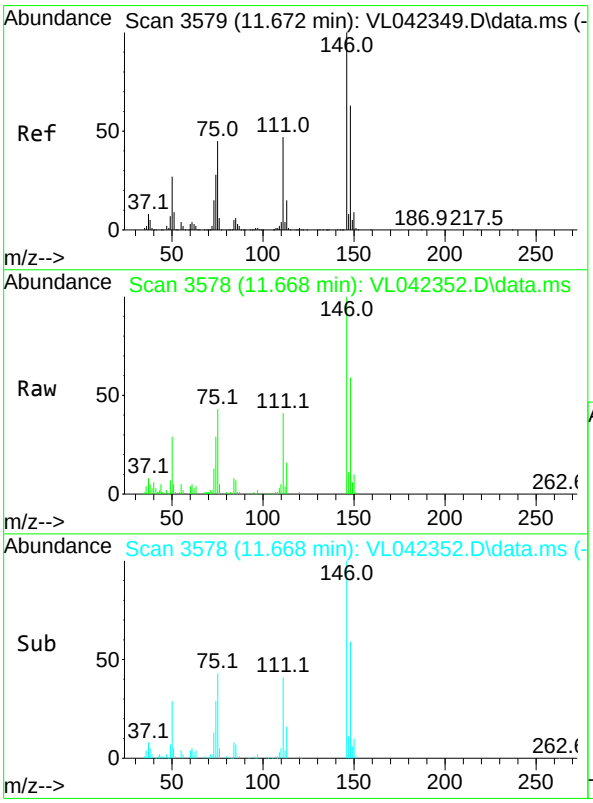
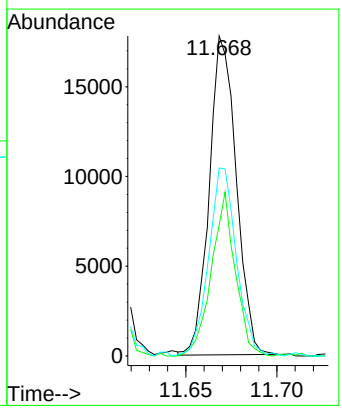
Supervised By :Mahesh Dadoda 04/18/2025

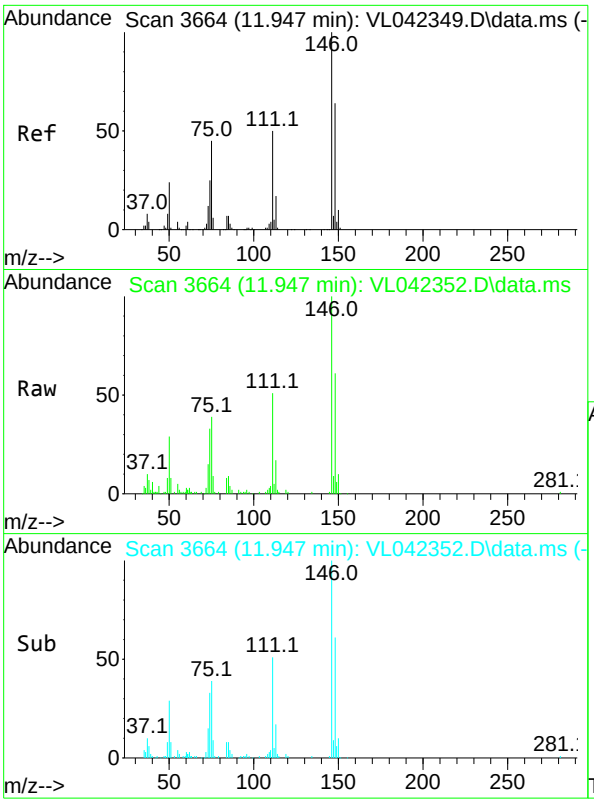


#76
1,4-Dichlorobenzene
Concen: 0.537 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:146 Resp: 18300

Ion	Ratio	Lower	Upper
146	100		
111	45.9	24.2	72.6
148	61.2	32.1	96.5

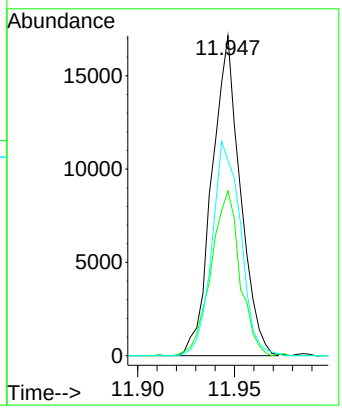




#77
1,2-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:146 Resp: 1744

Ion	Ratio	Lower	Upper
146	100		
111	52.6	25.3	75.9
148	67.5	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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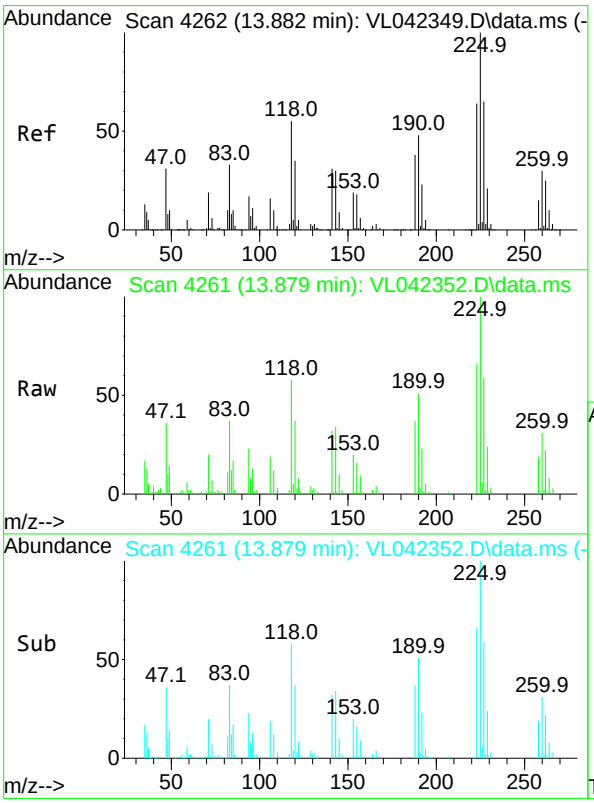
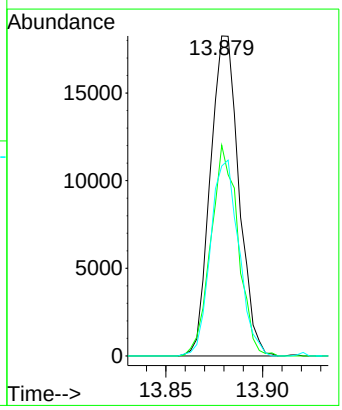
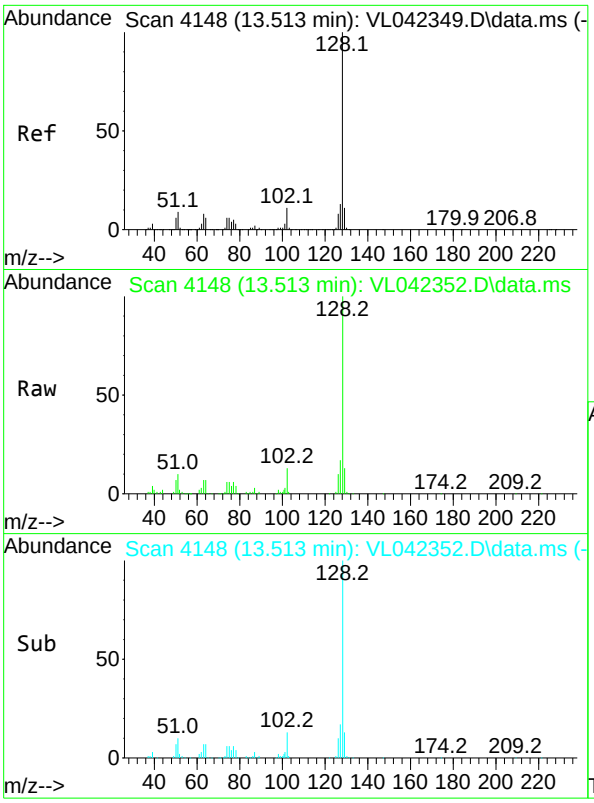


#78
Hexachloro-1,3-Butadiene
Concen: 0.562 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:225 Resp: 18705

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	61.1	51.5	77.3

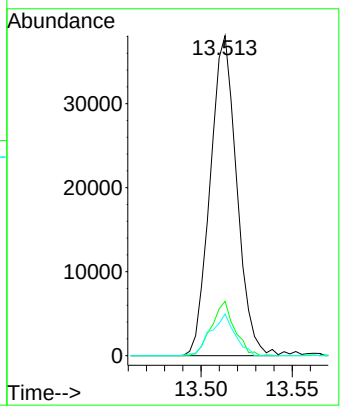




#79
Naphthalene
Concen: 0.494 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:128 Resp: 3852

Ion	Ratio	Lower	Upper
128	100		
127	17.0	10.6	15.8#
129	13.0	8.6	12.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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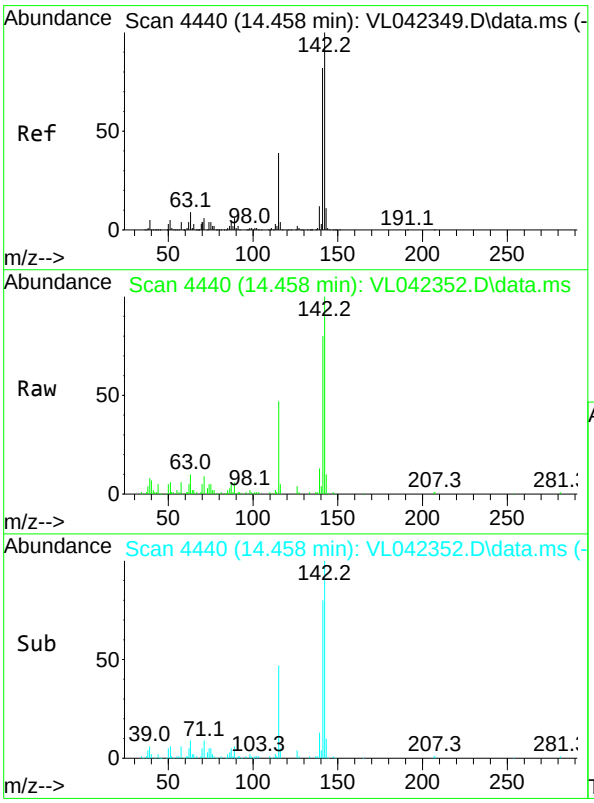
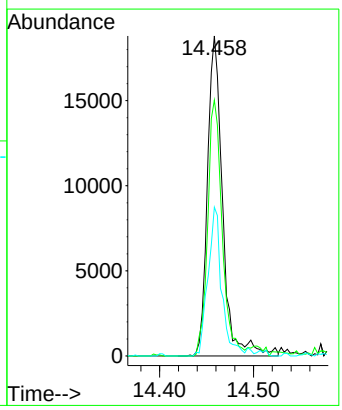
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

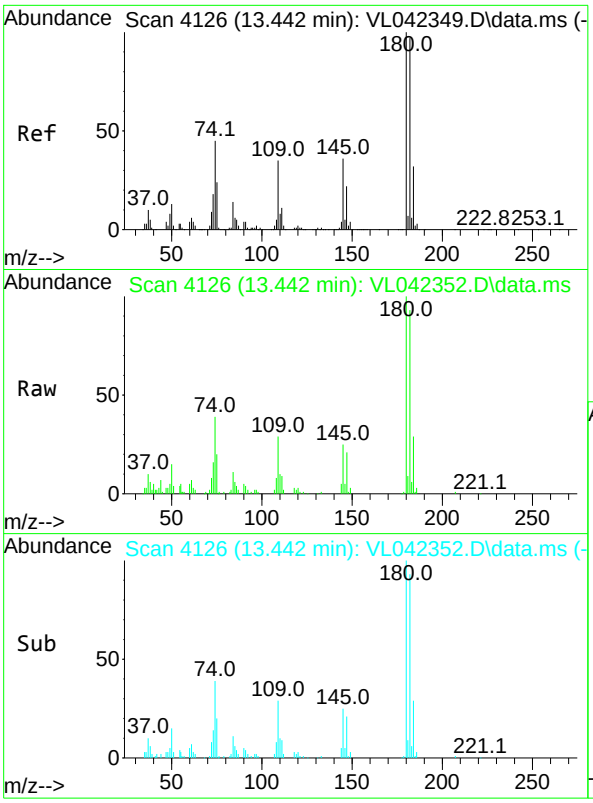


#80
Naphthalene,2-methyl-
Concen: 0.475 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:142 Resp: 21076

Ion	Ratio	Lower	Upper
142	100		
141	79.2	66.8	100.2
115	44.1	33.4	50.2

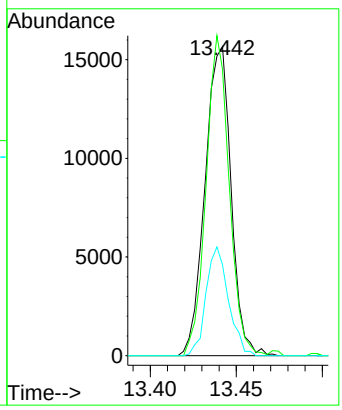




#81
1,2,4-Trichlorobenzene
Concen: 0.493 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:180 Resp: 1650

Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.8	115.2
184	30.2	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	119461	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	350484	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	315004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	256417	9.906	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	1088	0.120	ppbv	# 74
32) 1,1,1-Trichloroethane	3.367	97	3393m	0.115	ppbv	
35) Carbon Tetrachloride	3.771	117	3204	0.101	ppbv	# 94
38) Trichloroethene	4.551	130	1771m	0.107	ppbv	
52) Tetrachloroethene	8.222	164	1583m	0.108	ppbv	
54) 1,2-Dibromoethane	7.662	107	2177m	0.106	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3706m	0.113	ppbv	
79) Naphthalene	13.517	128	7664	0.100	ppbv	# 92

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
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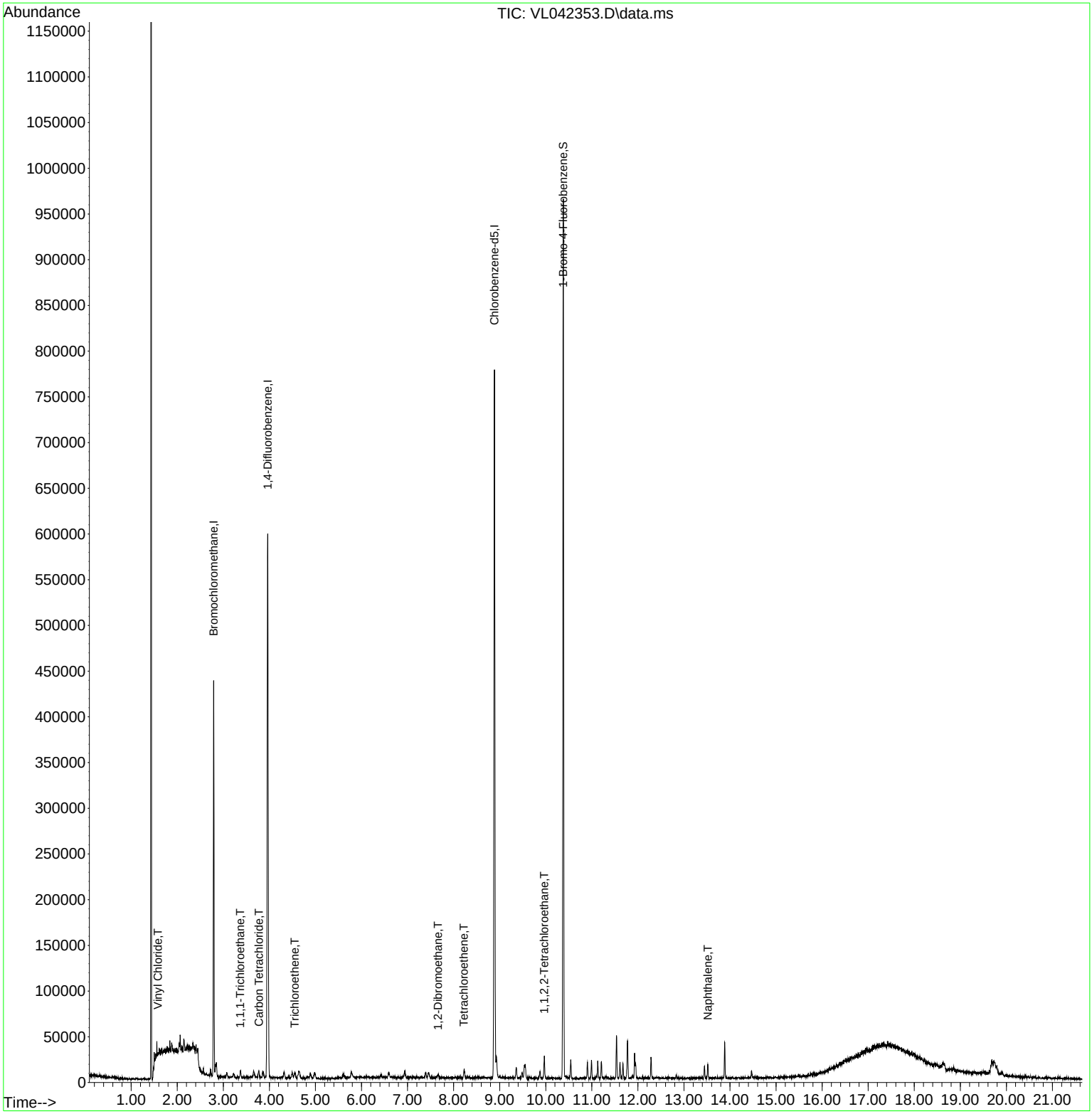
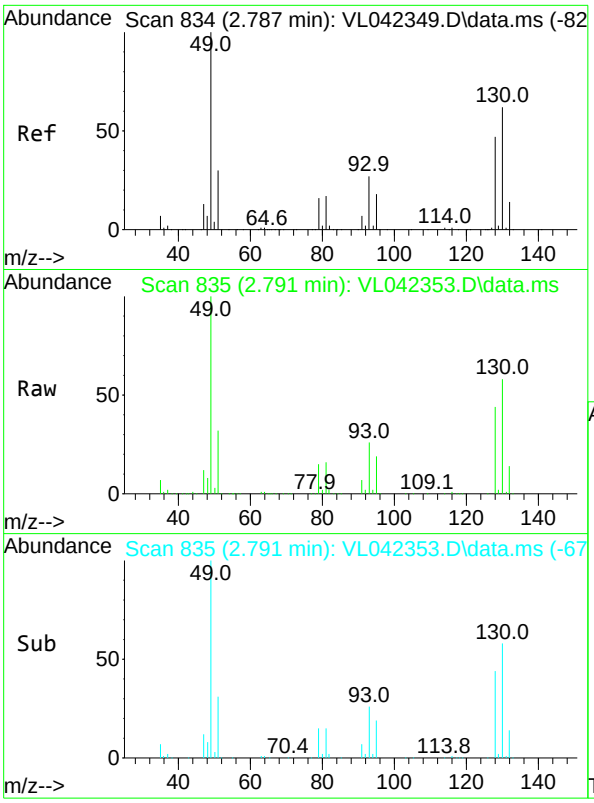
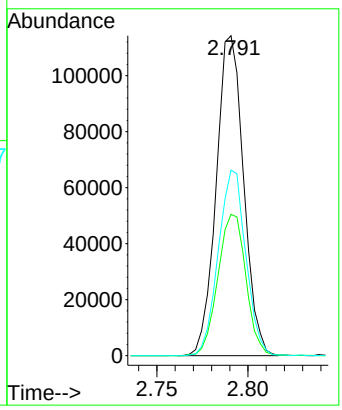




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 49 Resp: 11946

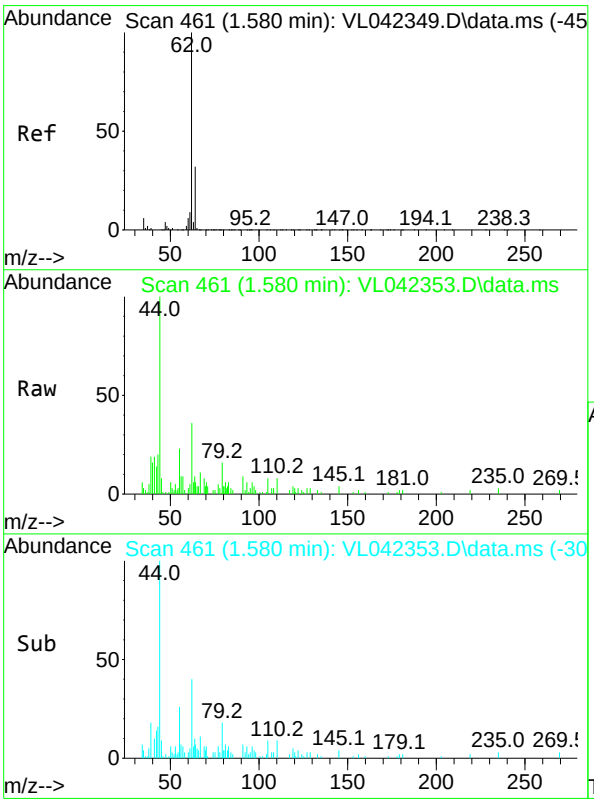
Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	58.3	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

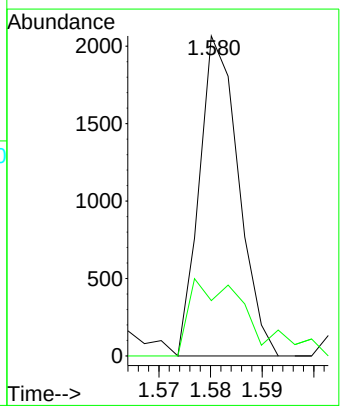
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

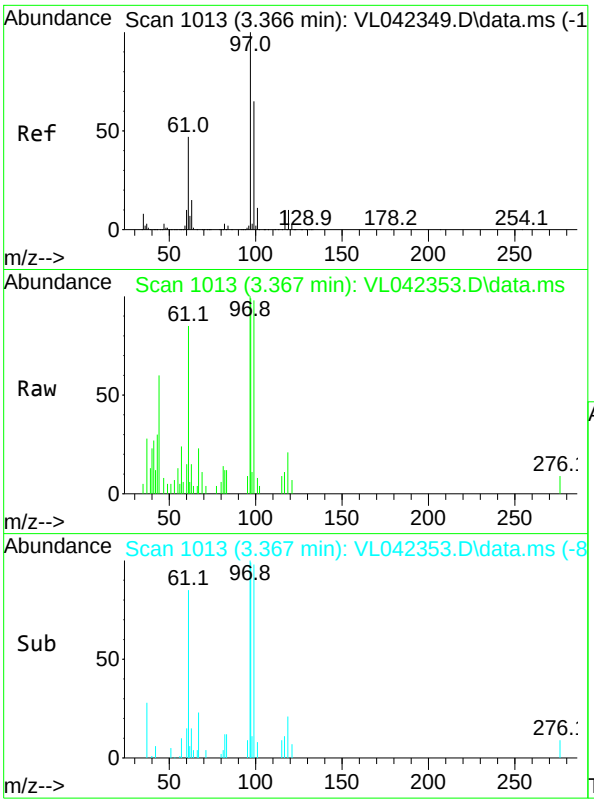


#5
Vinyl Chloride
Concen: 0.120 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 62 Resp: 1088

Ion	Ratio	Lower	Upper
62	100		
64	17.3	25.4	38.0#

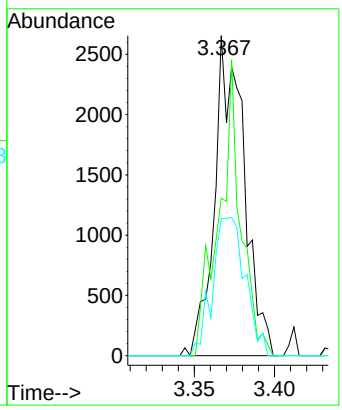




#32
1,1,1-Trichloroethane
Concen: 0.115 ppbv m
RT: 3.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 97 Resp: 339

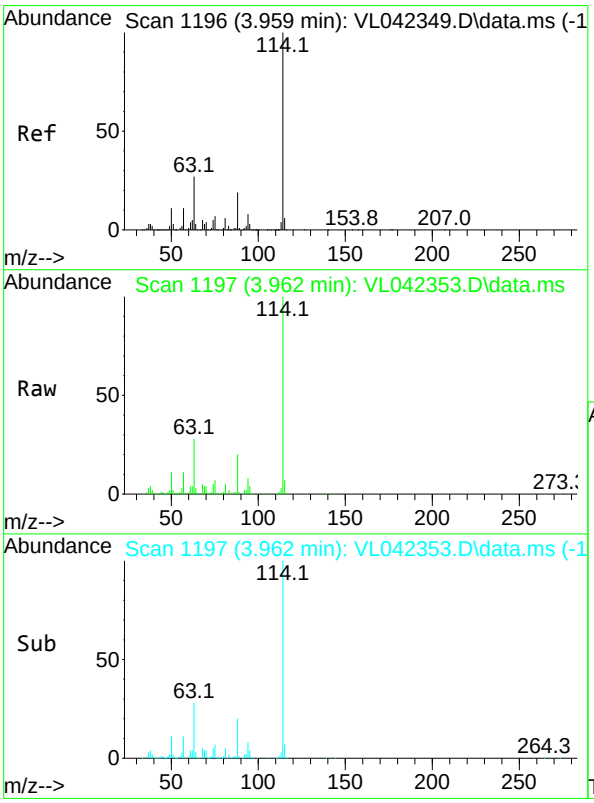
Ion	Ratio	Lower	Upper
97	100		
99	68.2	51.0	76.4
61	47.9	38.8	58.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

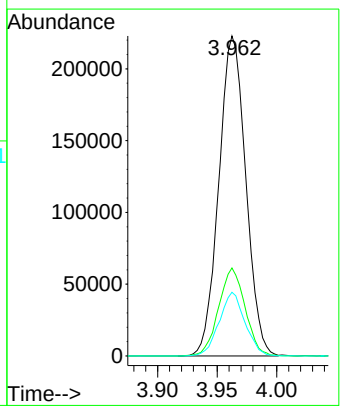
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

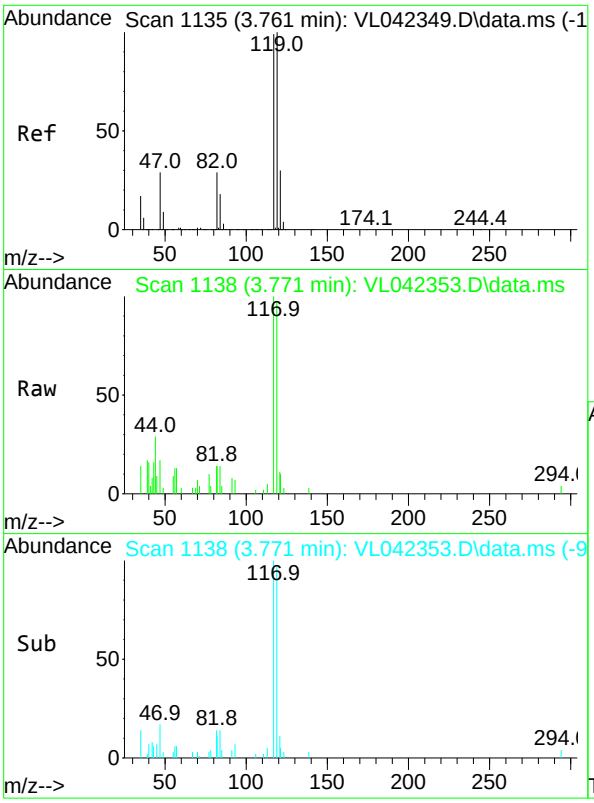


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:114 Resp: 350484

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.8	32.6
88	19.1	15.5	23.3

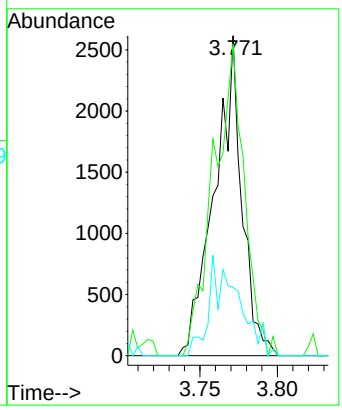




#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:117 Resp: 320

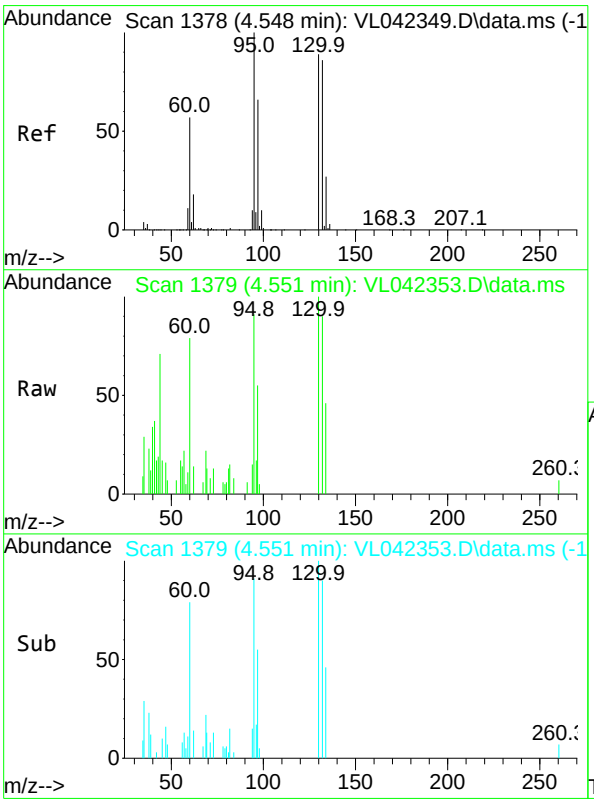
Ion	Ratio	Lower	Upper
117	100		
119	97.3	80.5	120.7
121	21.3	24.2	36.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

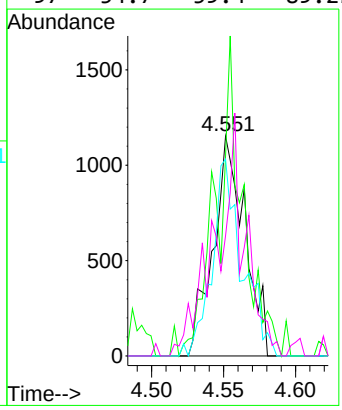
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

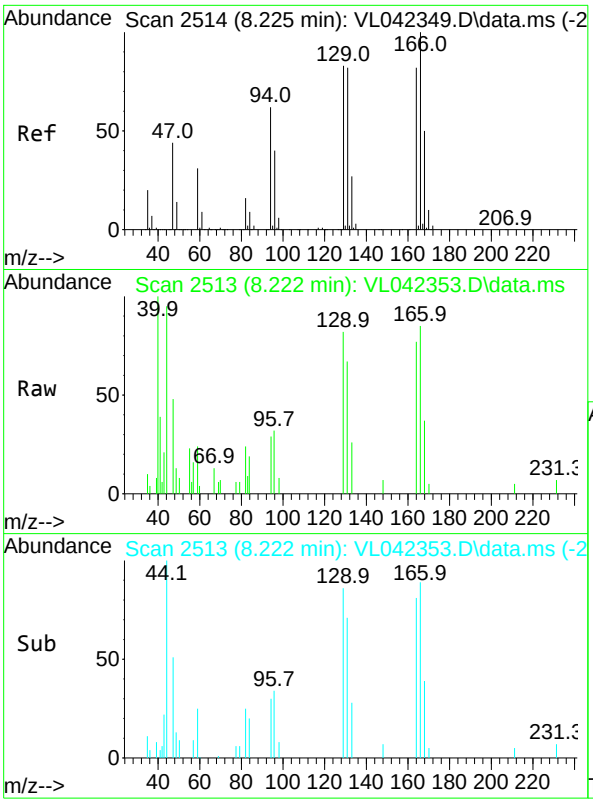


#38
Trichloroethene
Concen: 0.107 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:130 Resp: 1771

Ion	Ratio	Lower	Upper
130	100		
95	90.9	89.8	134.6
132	89.6	77.7	116.5
97	54.7	59.4	89.2#

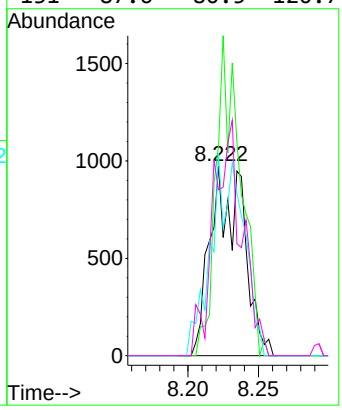




#52
Tetrachloroethene
Concen: 0.108 ppbv m
RT: 8.222 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:164 Resp: 158

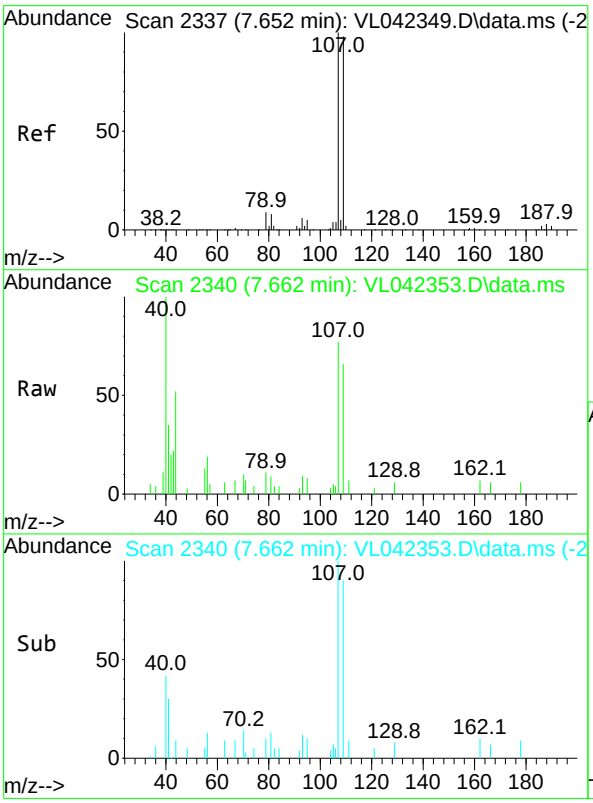
Ion	Ratio	Lower	Upper
164	100		
166	110.6	98.2	147.2
129	106.5	81.8	122.8
131	87.6	80.5	120.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

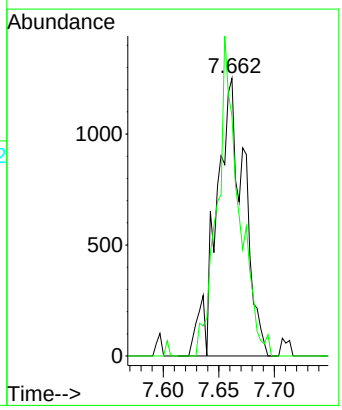
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

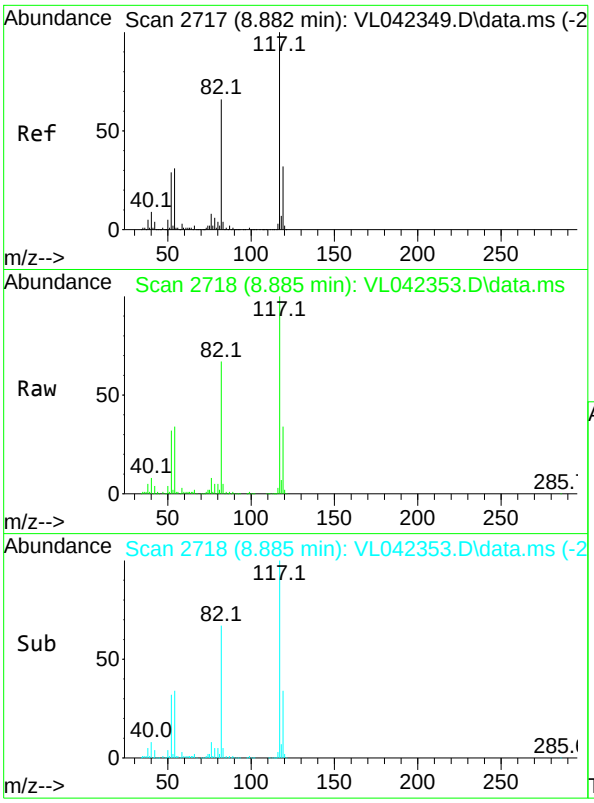


#54
1,2-Dibromoethane
Concen: 0.106 ppbv m
RT: 7.662 min Scan# 2340
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:107 Resp: 2177

Ion	Ratio	Lower	Upper
107	100		
109	86.3	78.2	117.4

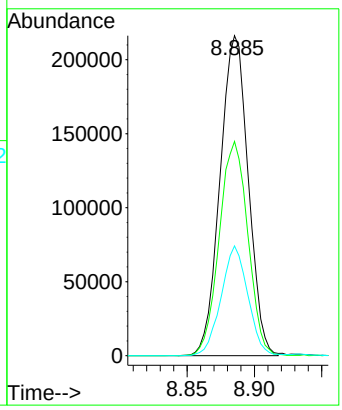




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:117 Resp: 31500

Ion	Ratio	Lower	Upper
117	100		
82	68.1	57.8	86.6
119	33.0	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
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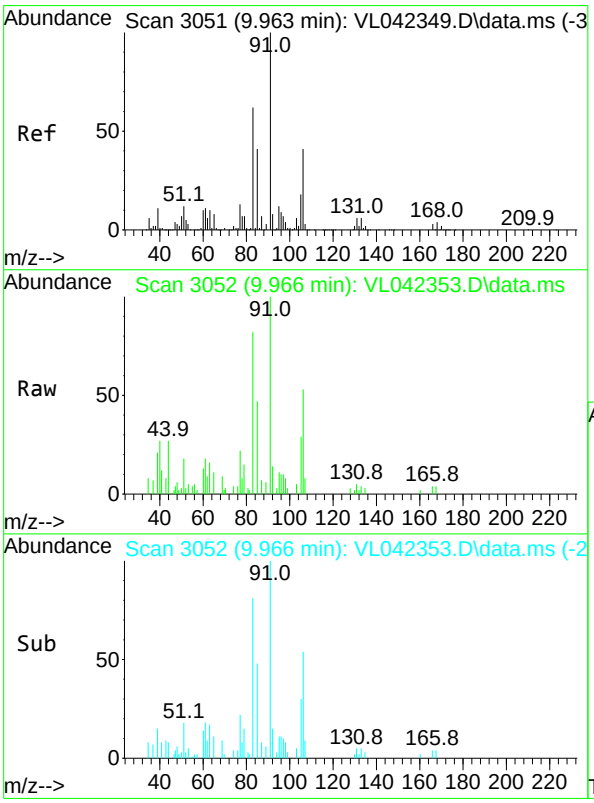
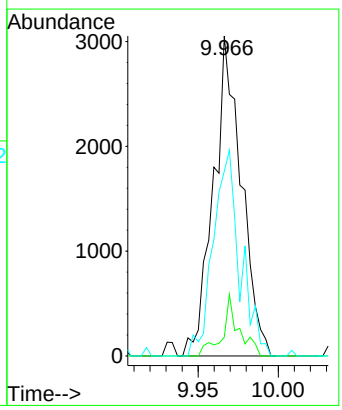
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

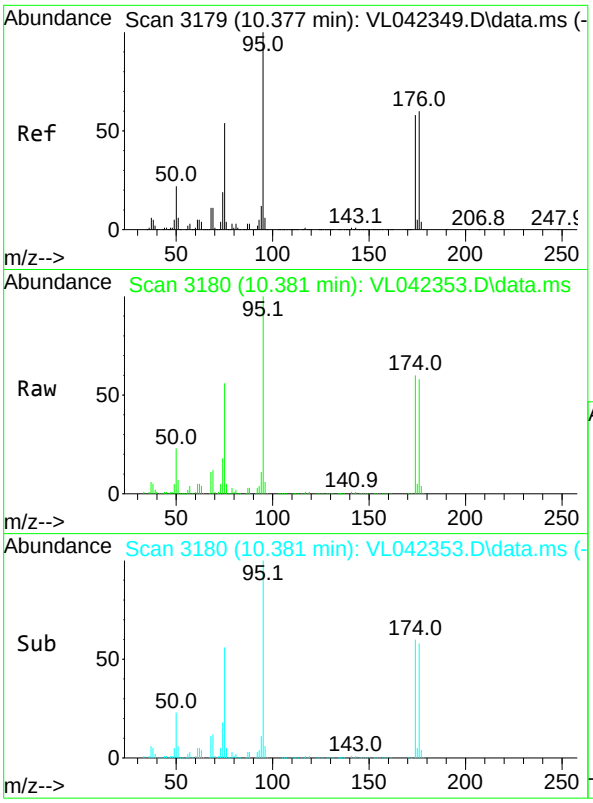


#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv m
RT: 9.966 min Scan# 3052
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 83 Resp: 3706

Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.5	13.7
85	61.7	32.4	97.0

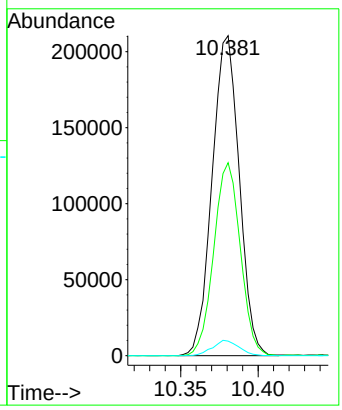




#68
1-Bromo-4-Fluorobenzene
Concen: 9.906 ppbv
RT: 10.381 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 95 Resp: 25641

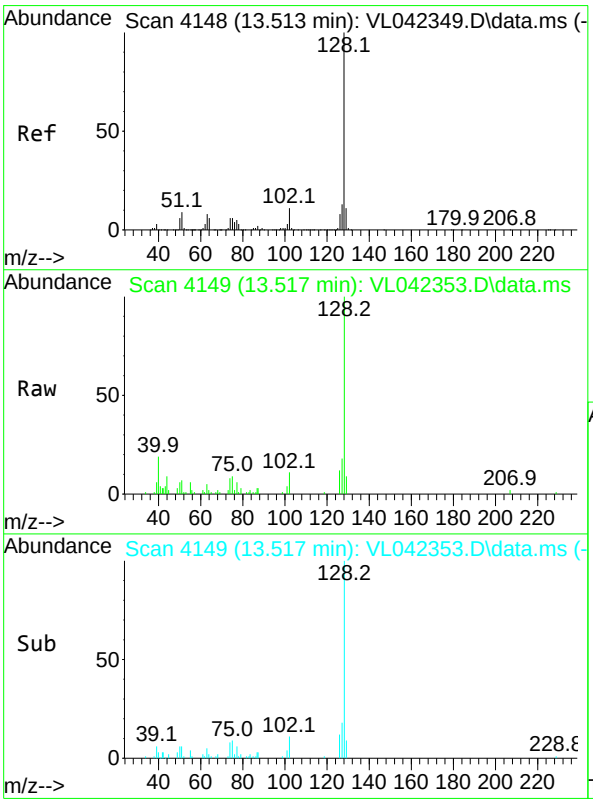
Ion	Ratio	Lower	Upper
95	100		
174	59.3	48.5	72.7
175	4.7	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

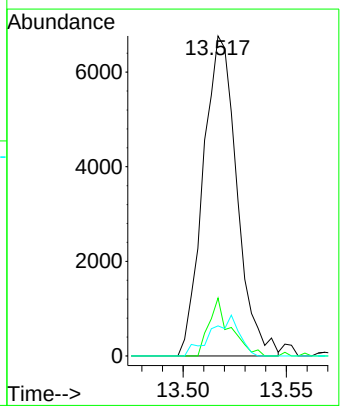
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#79
Naphthalene
Concen: 0.100 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:128 Resp: 7664

Ion	Ratio	Lower	Upper
128	100		
127	18.1	10.6	15.8#
129	9.4	8.6	12.8



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	349264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	312999	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	256230	9.962	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	361	0.040	ppbv	# 76
32) 1,1,1-Trichloroethane	3.373	97	1120m	0.038	ppbv	
35) Carbon Tetrachloride	3.768	117	1382m	0.044	ppbv	
38) Trichloroethene	4.538	130	674m	0.041	ppbv	
52) Tetrachloroethene	8.228	164	569m	0.039	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	1321m	0.040	ppbv	

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

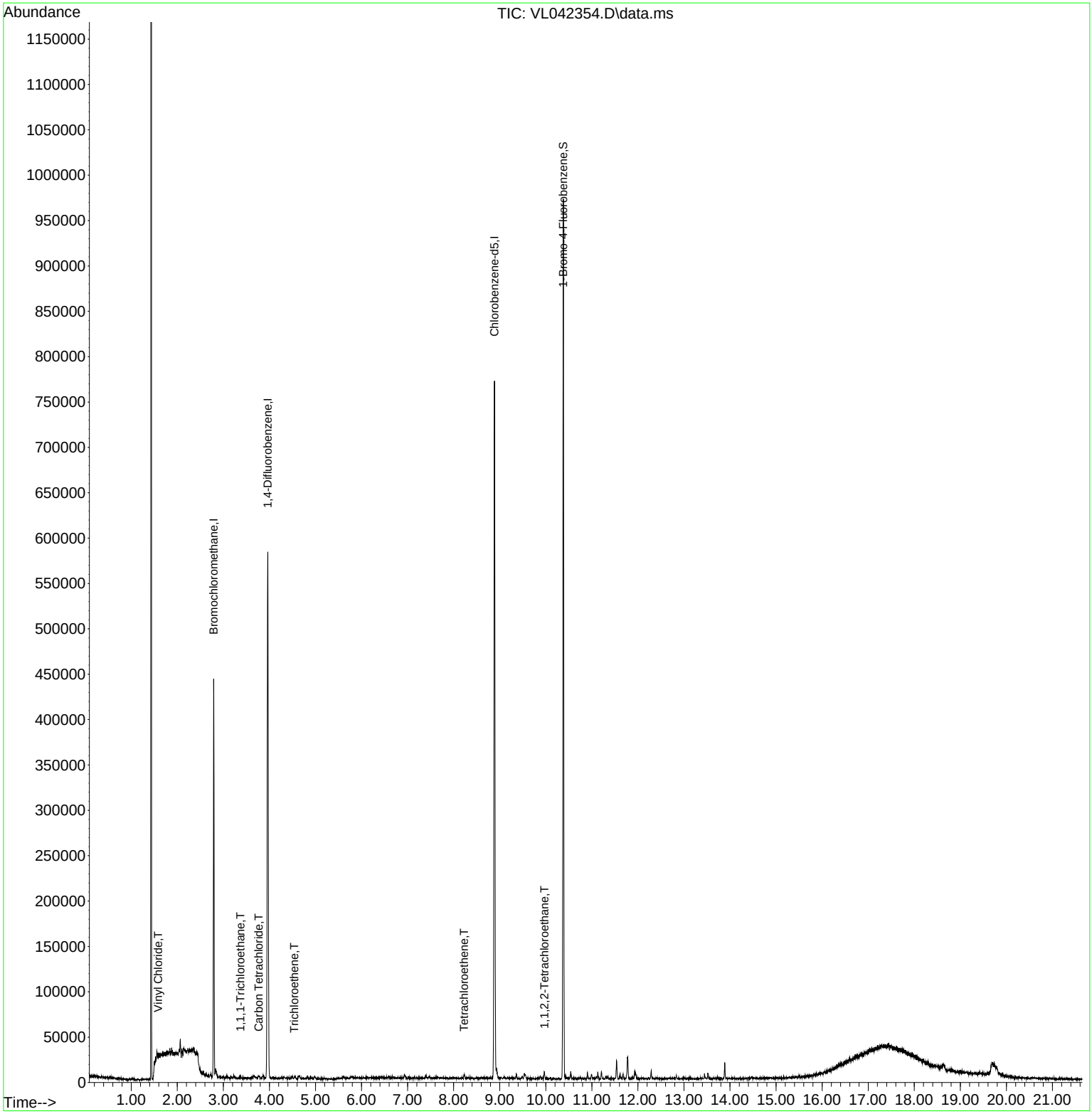
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

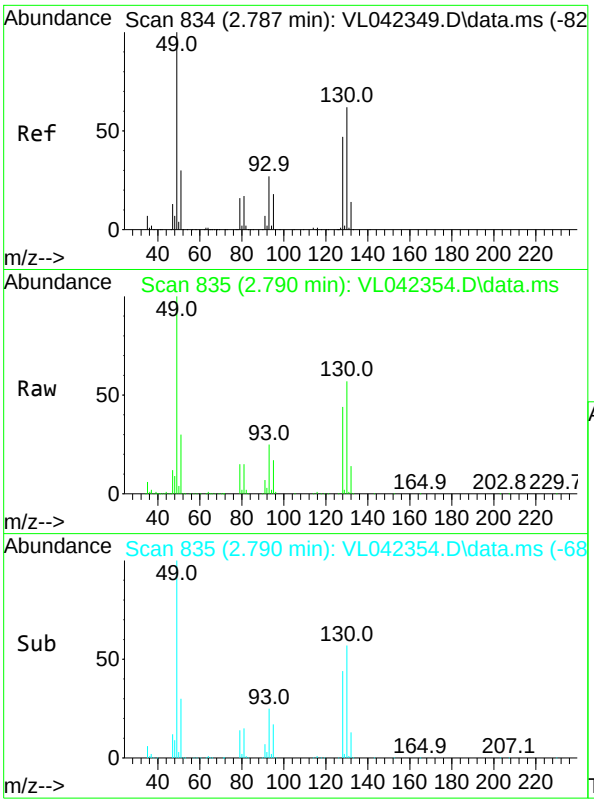
Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

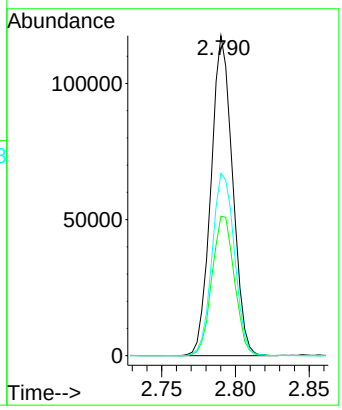




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 49 Resp: 12004

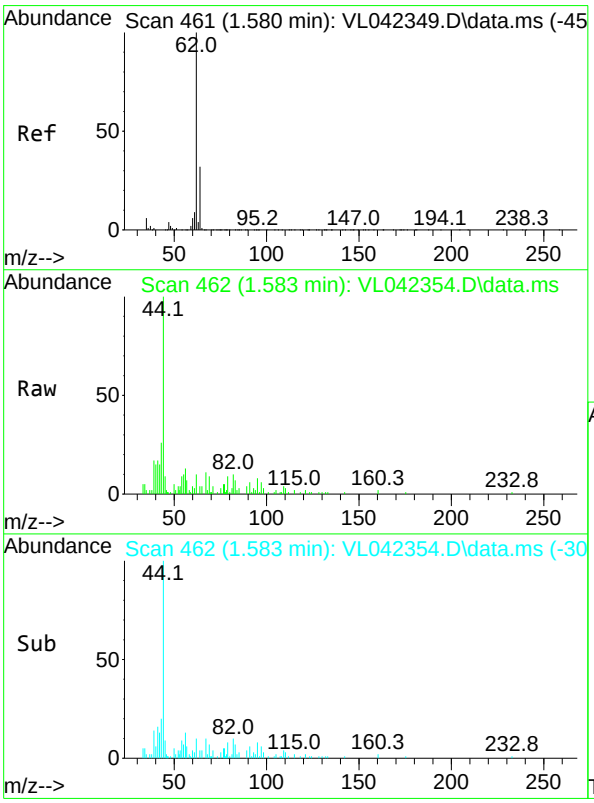
Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	59.0	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

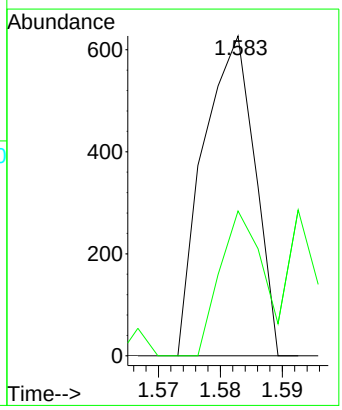
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

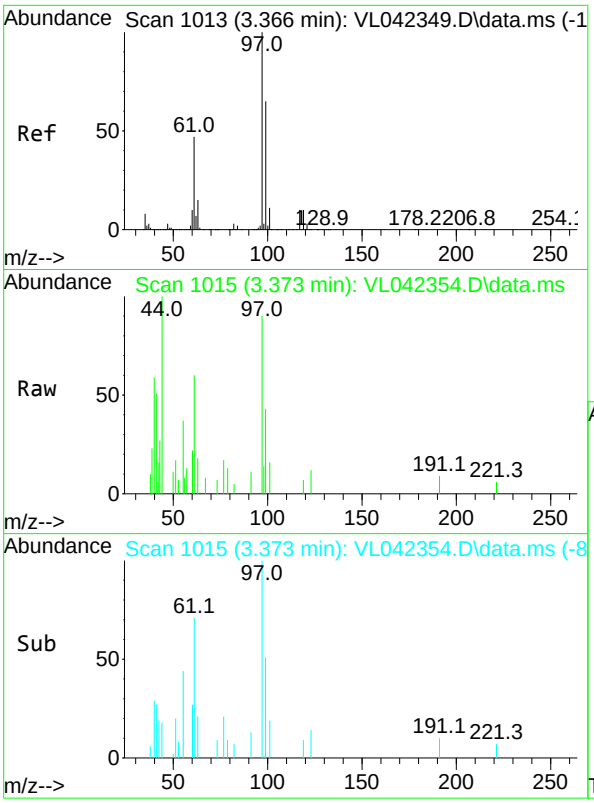


#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 62 Resp: 361

Ion	Ratio	Lower	Upper
62	100		
64	45.3	25.4	38.0#

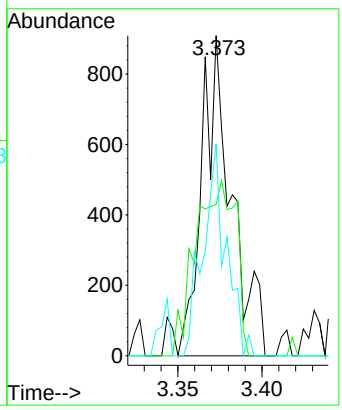




#32
1,1,1-Trichloroethane
Concen: 0.038 ppbv m
RT: 3.373 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 97 Resp: 112(

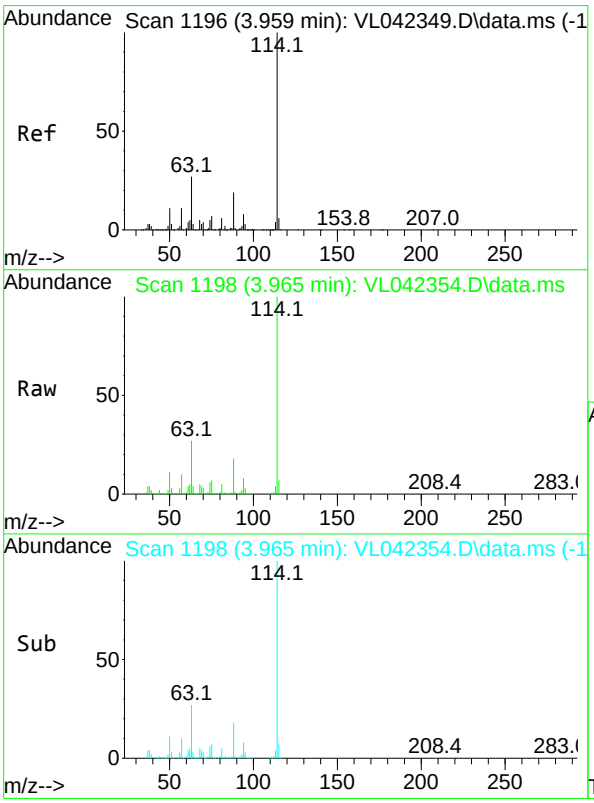
Ion	Ratio	Lower	Upper
97	100		
99	74.4	51.0	76.4
61	56.9	38.8	58.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

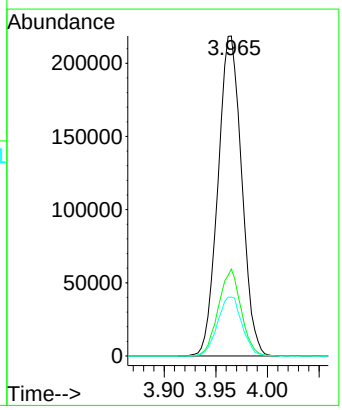
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

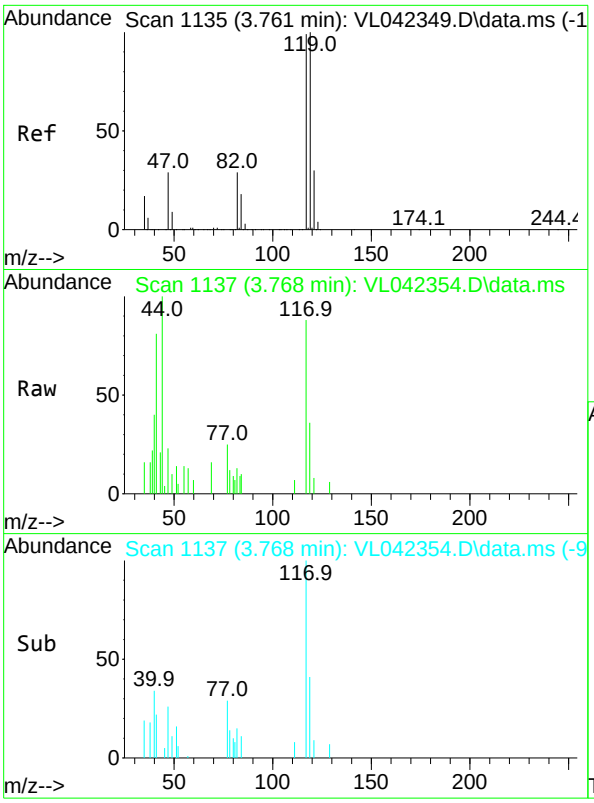


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:114 Resp: 349264

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.8	32.6
88	19.0	15.5	23.3

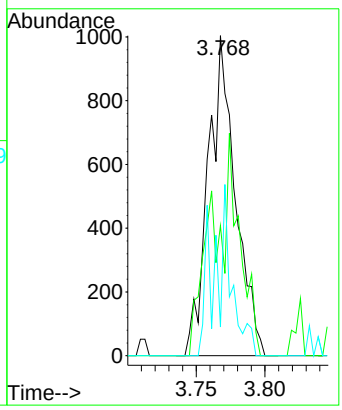




#35
Carbon Tetrachloride
Concen: 0.044 ppbv m
RT: 3.768 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:117 Resp: 138

Ion	Ratio	Lower	Upper
117	100		
119	40.6	80.5	120.7#
121	9.0	24.2	36.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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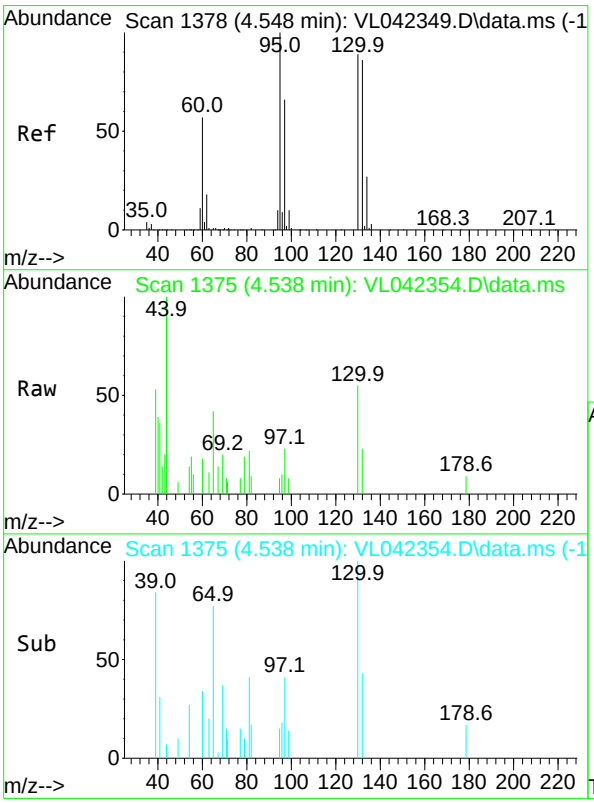
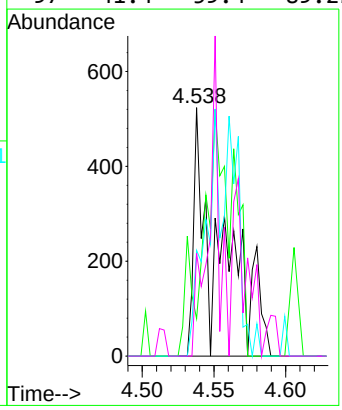
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

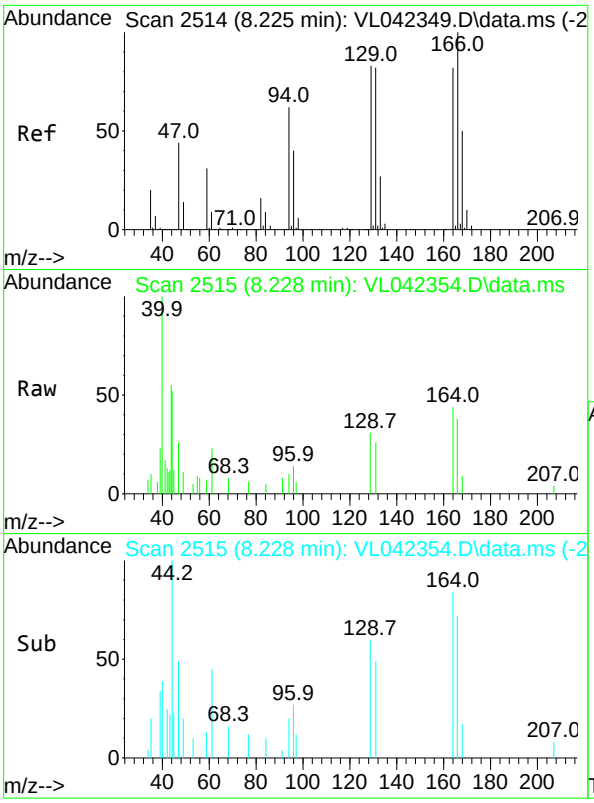


#38
Trichloroethene
Concen: 0.041 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:130 Resp: 674

Ion	Ratio	Lower	Upper
130	100		
95	15.1	89.8	134.6#
132	42.6	77.7	116.5#
97	41.4	59.4	89.2#

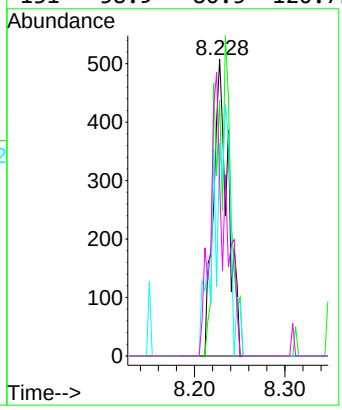




#52
Tetrachloroethene
Concen: 0.039 ppbv m
RT: 8.228 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:164 Resp: 56

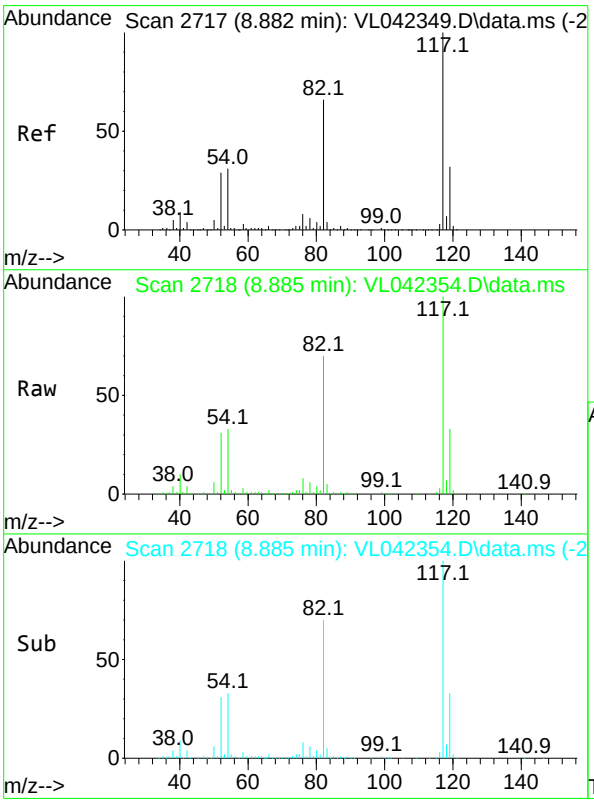
Ion	Ratio	Lower	Upper
164	100		
166	86.2	98.2	147.2#
129	71.7	81.8	122.8#
131	58.9	80.5	120.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

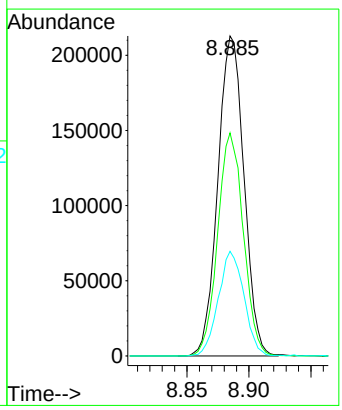
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

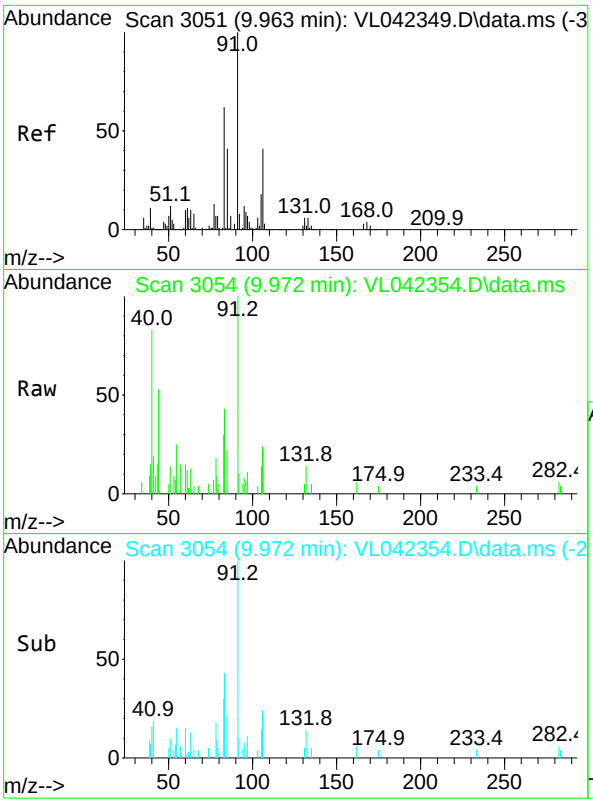


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:117 Resp: 312999

Ion	Ratio	Lower	Upper
117	100		
82	68.5	57.8	86.6
119	32.2	25.2	37.8

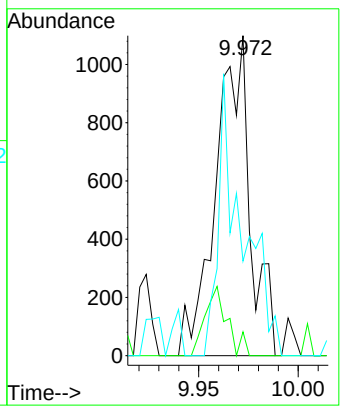




#63
1,1,2-Tetrachloroethane
Concen: 0.040 ppbv m
RT: 9.972 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 83 Resp: 132

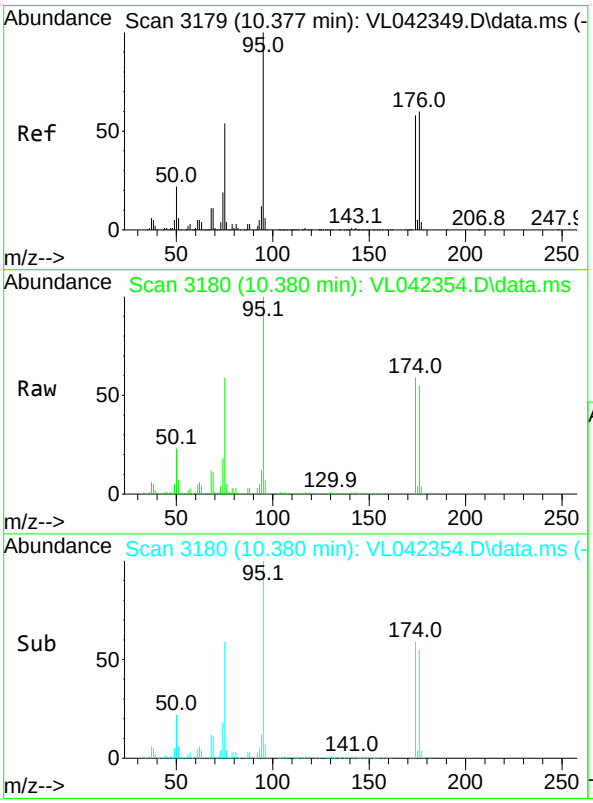
Ion	Ratio	Lower	Upper
83	100		
131	13.9	4.5	13.7#
85	61.4	32.4	97.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

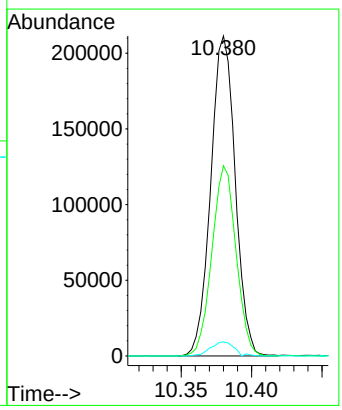
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.962 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 95 Resp: 256230

Ion	Ratio	Lower	Upper
95	100		
174	58.6	48.5	72.7
175	4.3	3.7	5.5



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	116071	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332080	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	308463	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	254437	10.038	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	292784	14.277	ppbv	99
3) Chlorodifluoromethane	1.477	51	280042	14.341	ppbv	98
4) Chloromethane	1.532	50	115775	14.266	ppbv	99
5) Vinyl Chloride	1.580	62	112650	12.752	ppbv	100
6) Bromomethane	1.667	94	52805	13.800	ppbv	88
7) Chloroethane	1.703	64	44347	13.881	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	255029	14.484	ppbv	98
9) Propene	1.483	41	123102	13.842	ppbv	95
10) Heptane	4.979	43	336134	14.047	ppbv	100
11) Trichlorofluoromethane	1.875	101	278059	14.258	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.137	101	230366	14.447	ppbv	99
13) Ethanol	1.719	45	6324	8.702	ppbv	76
14) Bromoethene	1.781	108	84851	14.117	ppbv	99
15) Acetone	1.833	43	229086	12.056	ppbv	99
16) 1,3-Butadiene	1.609	39	117997	13.224	ppbv	96
17) tert-Butyl alcohol	2.040	59	320605	13.615	ppbv	99
18) 1,1-Dichloroethene	2.033	96	107666	14.045	ppbv	99
19) Isopropyl Alcohol	1.884	45	139004	13.169	ppbv	94
20) Methylene Chloride	2.059	84	91093	12.241	ppbv	90
21) Allyl Chloride	2.095	41	187995	14.329	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	118492	13.970	ppbv	94
23) Vinyl Acetate	2.460	43	106135	13.799	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	235466	14.615	ppbv	99
25) Ethyl Acetate	2.836	43	663644	14.166	ppbv	100
26) Hexane	2.826	57	260975	13.765	ppbv	97
27) Carbon Disulfide	2.150	76	299098	14.734	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	174855	14.076	ppbv	95
29) Chloroform	2.849	83	385686	14.393	ppbv	99
30) Cyclohexane	3.855	84	217375	14.238	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	264972	14.700	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	412537	14.357	ppbv	99
34) 2-Butanone	2.558	43	367315	13.986	ppbv	100
35) Carbon Tetrachloride	3.762	117	409916	13.639	ppbv	94
36) Benzene	3.655	78	522156	14.578	ppbv	97
37) 1,2-Dichloroethane	3.218	62	319517	14.863	ppbv	100
38) Trichloroethene	4.548	130	208508	13.278	ppbv	98
39) 1,2-Dichloropropane	4.312	63	189697	14.201	ppbv	97
40) 1,4-Dioxane	4.580	88	92114	12.733	ppbv #	95
41) Tetrahydrofuran	3.053	42	214949	14.166	ppbv	98
42) Bromodichloromethane	4.490	83	442735	14.798	ppbv	95
43) Methyl Methacrylate	4.878	69	219757	13.670	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	893529	14.425	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	244470	14.810	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	300145	14.878	ppbv		90
47) 1,1,2-Trichloroethane	6.581	97	198874	14.615	ppbv		98
48) Dibromochloromethane	7.390	129	362887	15.105	ppbv		98
49) Bromoform	9.484	173	312282	14.865	ppbv		99
50) 4-Methyl-2-Pentanone	5.749	43	563658	12.889	ppbv		99
51) 2-Hexanone	7.435	43	467001	11.834	ppbv	#	98
52) Tetrachloroethene	8.225	164	180631	13.046	ppbv		97
53) Toluene	6.933	91	619420	14.411	ppbv		99
54) 1,2-Dibromoethane	7.652	107	280071	14.442	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.927	131	268626	14.389	ppbv		97
57) Chlorobenzene	8.921	112	454017	14.151	ppbv		97
58) Ethyl Benzene	9.354	91	874424	14.308	ppbv		100
59) m/p-Xylene	9.552	91	1388086m	28.109	ppbv		
60) o-Xylene	9.963	91	689246	13.902	ppbv		99
61) Styrene	9.872	104	339508	14.347	ppbv		99
62) Isopropylbenzene	10.539	105	1018968	13.999	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	412898	12.816	ppbv		100
64) n-propylbenzene	10.989	120	260812	14.255	ppbv		94
65) tert-Butylbenzene	11.533	119	899720	13.449	ppbv		93
66) Benzyl Chloride	11.617	91	96016	13.061	ppbv		96
67) sec-Butylbenzene	11.769	105	1253263	13.468	ppbv		100
69) p-Isopropyltoluene	11.928	119	1081850	13.382	ppbv		99
70) n-Butylbenzene	12.284	91	1117042	13.266	ppbv		100
71) 2-Chlorotoluene	10.902	91	806728	14.131	ppbv		100
72) 4-Ethyltoluene	11.125	105	848077	13.992	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	726558	13.578	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	785772	12.572	ppbv		97
75) 1,3-Dichlorobenzene	11.610	146	444086	13.670	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	450662	13.802	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	427372	13.529	ppbv		99
78) Hexachloro-1,3-Butadiene	13.883	225	404441	12.679	ppbv		100
79) Naphthalene	13.514	128	944085	12.632	ppbv		98
80) Naphthalene,2-methyl-	14.459	142	540339	12.686	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	429982	13.398	ppbv		98

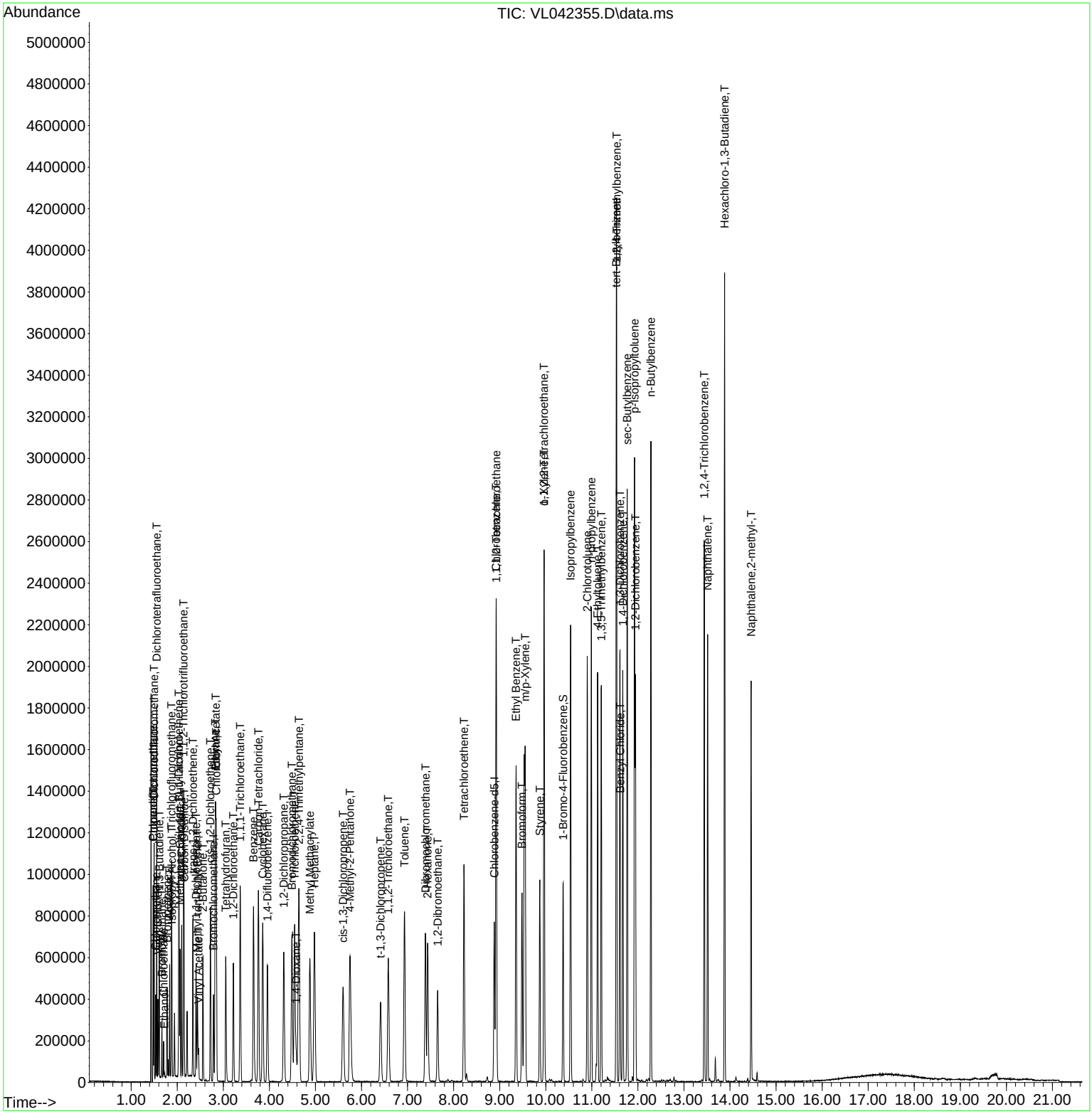
(#) = qualifier out of range (m) = manual integration (+) = signals summed

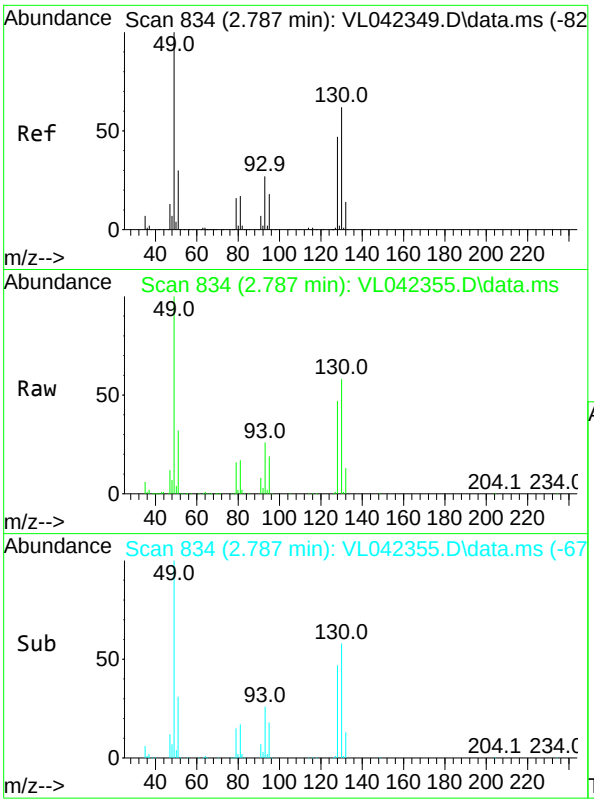
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

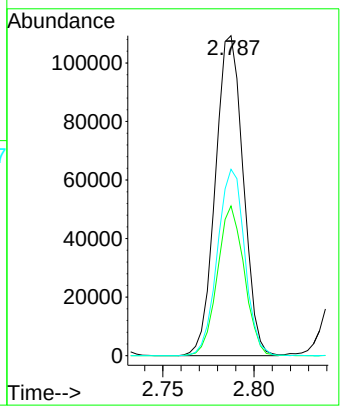




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 49 Resp: 11607

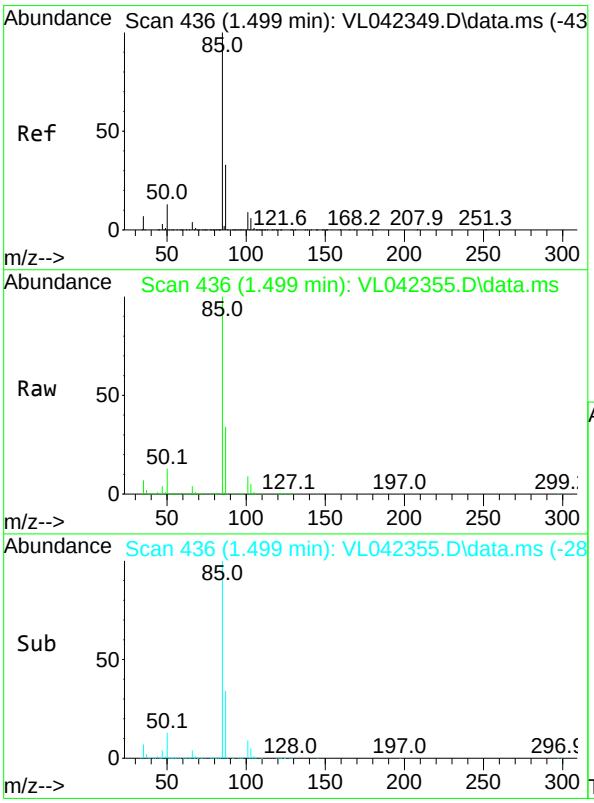
Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.8	68.4
130	57.1	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

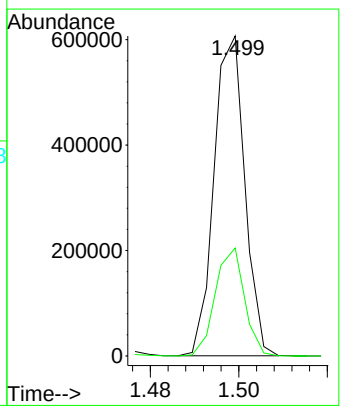
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

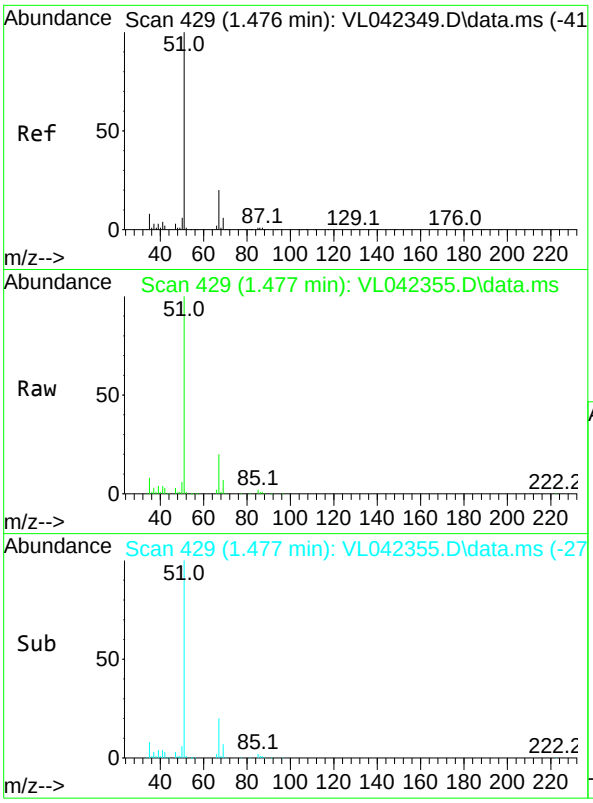


#2
Dichlorodifluoromethane
Concen: 14.277 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 85 Resp: 292784

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.6	39.8

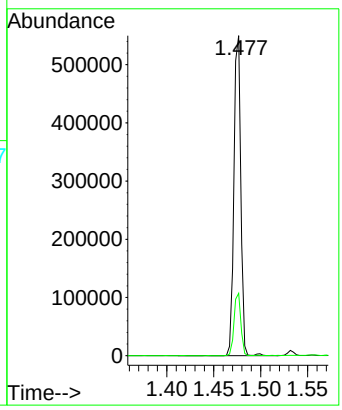




#3
Chlorodifluoromethane
Concen: 14.341 ppbv
RT: 1.477 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 51 Resp: 28004

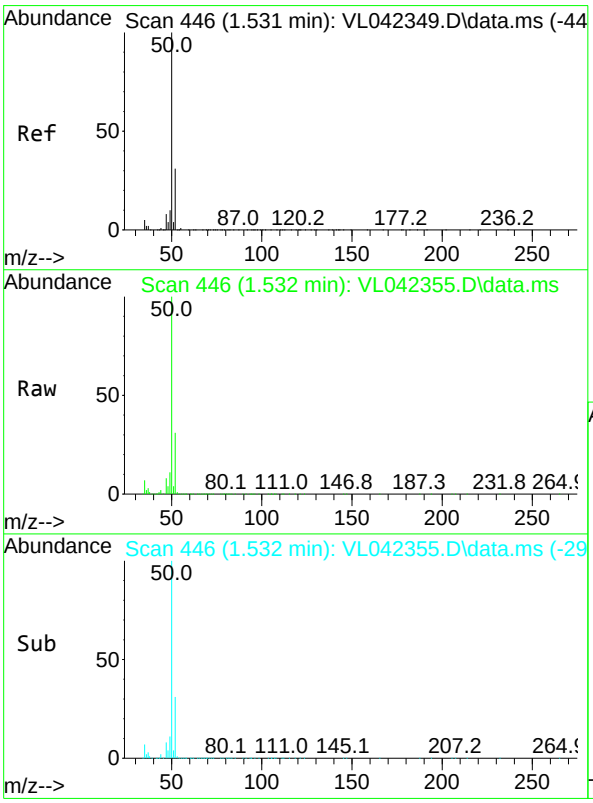
Ion	Ratio	Lower	Upper
51	100		
67	19.5	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

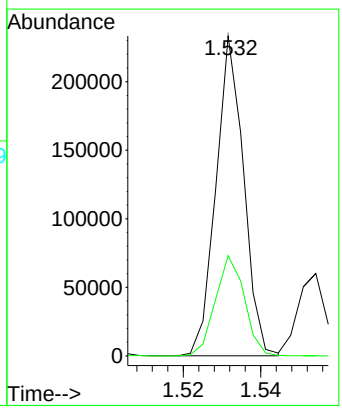
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

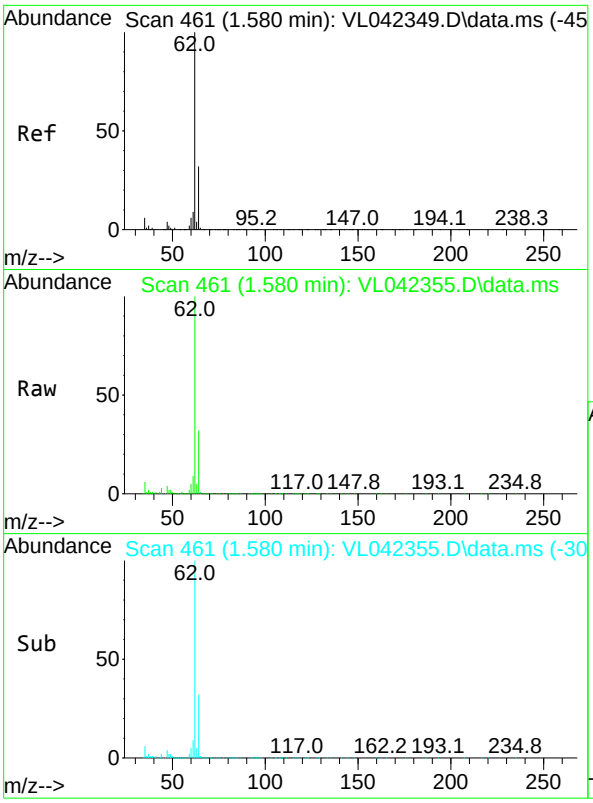


#4
Chloromethane
Concen: 14.266 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 50 Resp: 115775

Ion	Ratio	Lower	Upper
50	100		
52	31.3	24.7	37.1

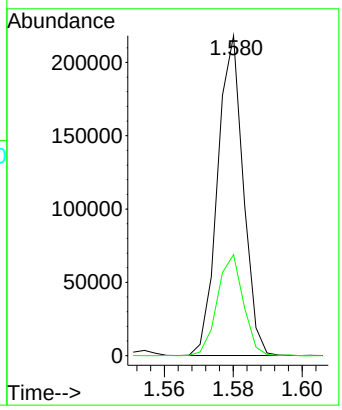




#5
Vinyl Chloride
Concen: 12.752 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 62 Resp: 11265

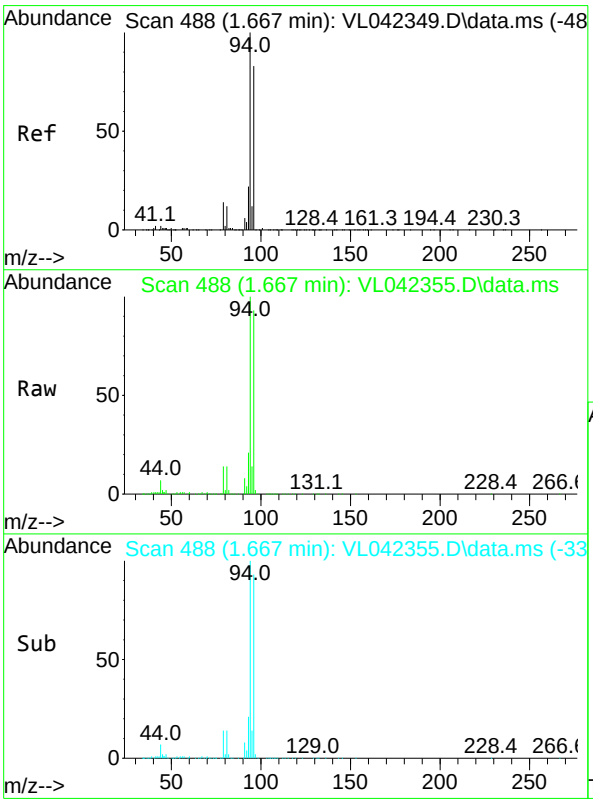
Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

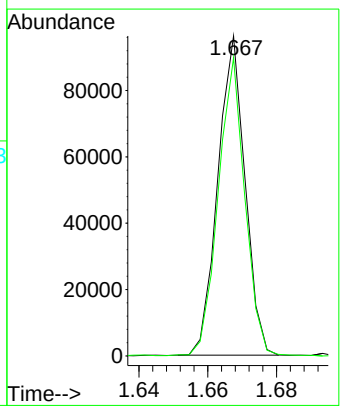
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

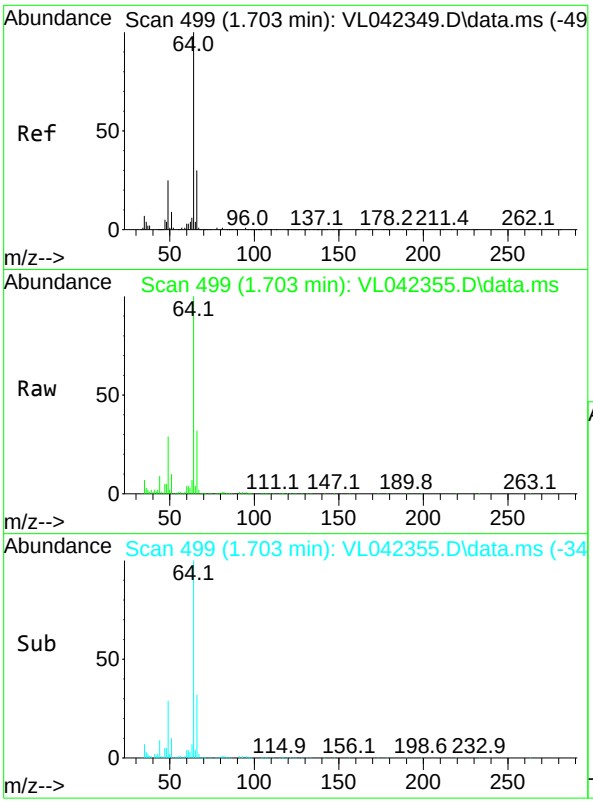


#6
Bromomethane
Concen: 13.800 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 94 Resp: 52805

Ion	Ratio	Lower	Upper
94	100		
96	93.1	66.2	99.2

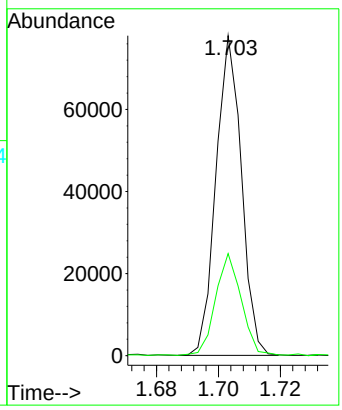




#7
Chloroethane
Concen: 13.881 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 64 Resp: 4434

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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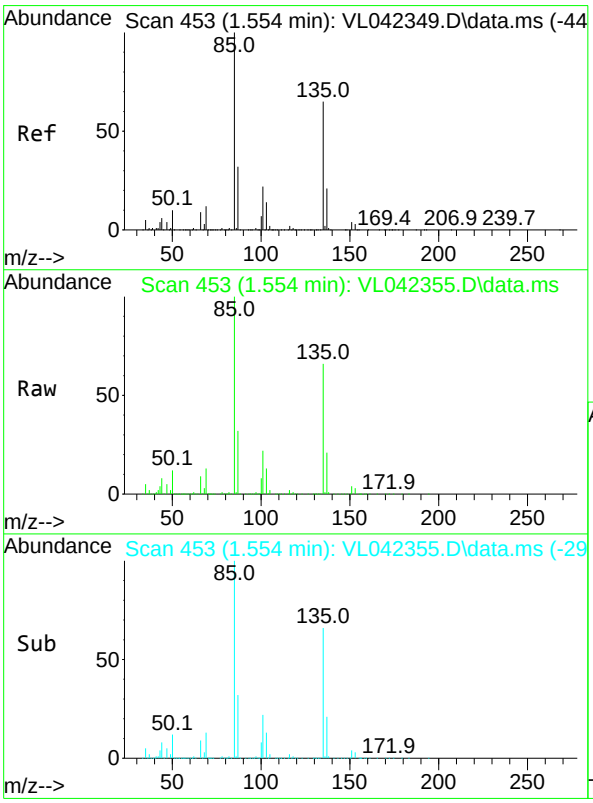
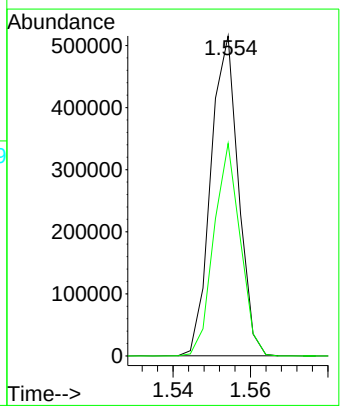
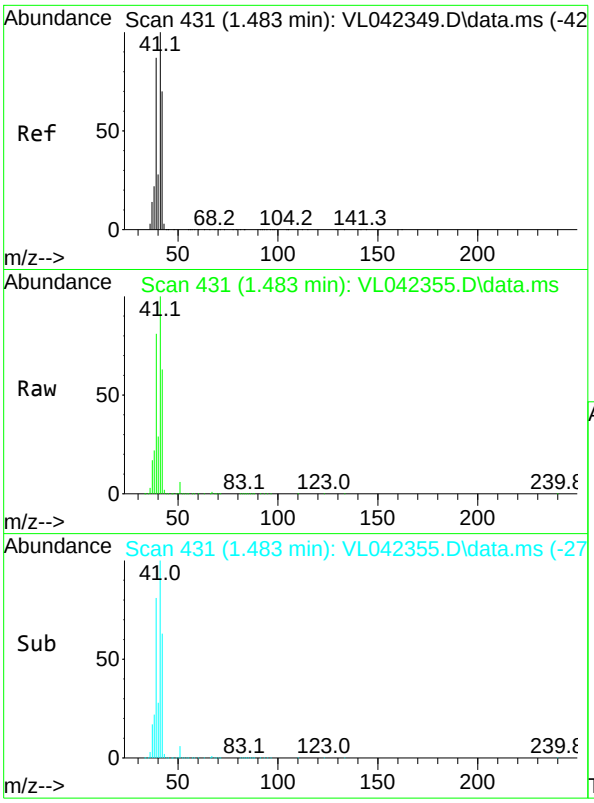


#8
Dichlorotetrafluoroethane
Concen: 14.484 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 85 Resp: 255029

Ion	Ratio	Lower	Upper
85	100		
135	63.6	52.2	78.2

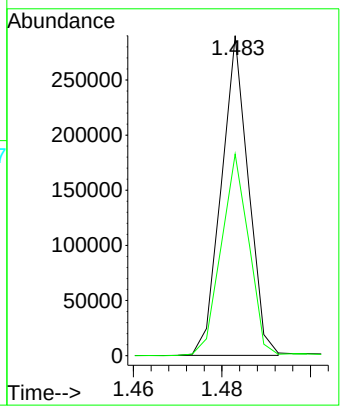




#9
Propene
Concen: 13.842 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 41 Resp: 12310

Ion	Ratio	Lower	Upper
41	100		
42	66.0	56.2	84.4



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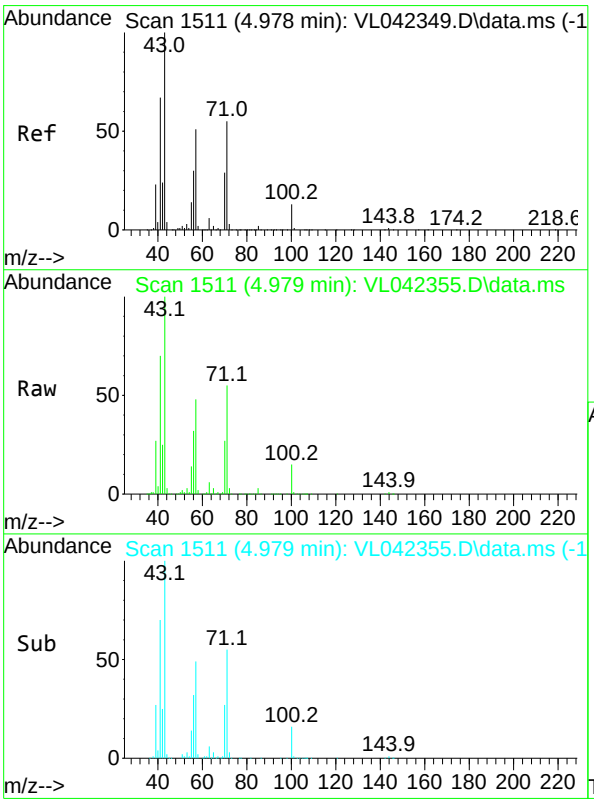
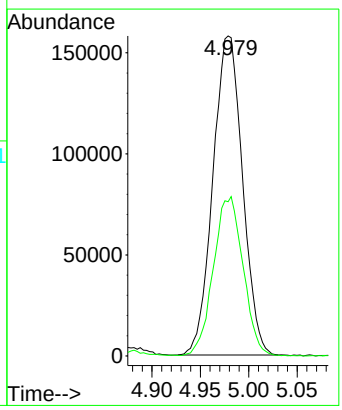
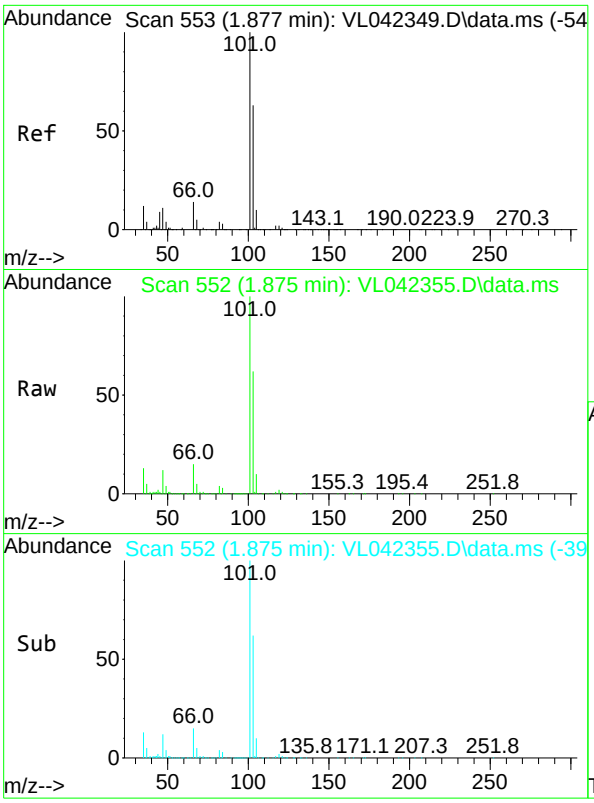


#10
Heptane
Concen: 14.047 ppbv
RT: 4.979 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 336134

Ion	Ratio	Lower	Upper
43	100		
57	50.0	39.9	59.9





#11
Trichlorofluoromethane
Concen: 14.258 ppbv
RT: 1.875 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:101 Resp: 27805

Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.1	75.1

Instrument :
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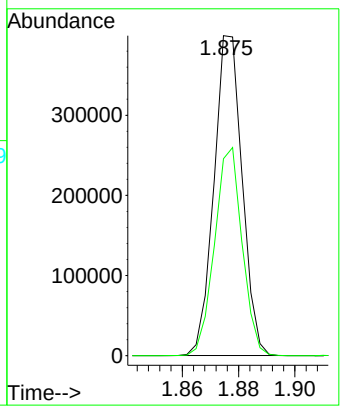
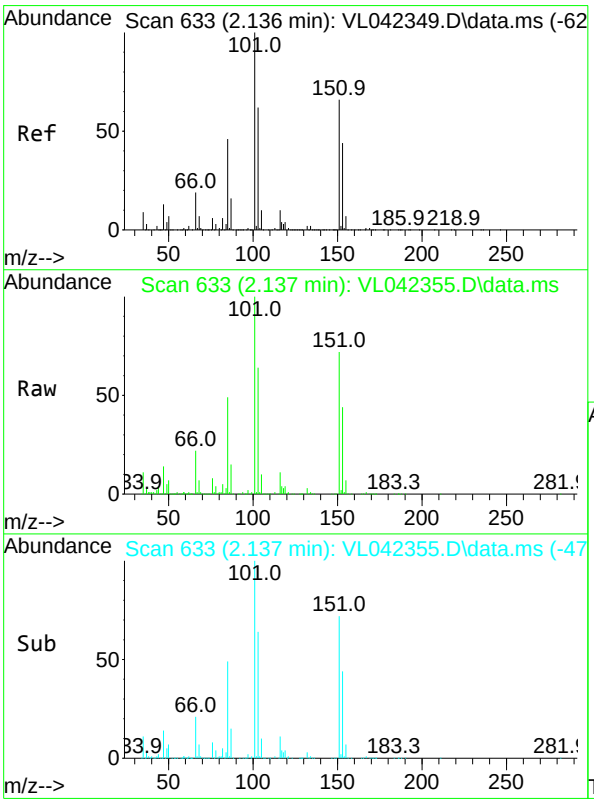
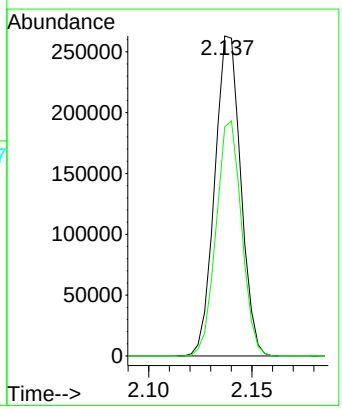


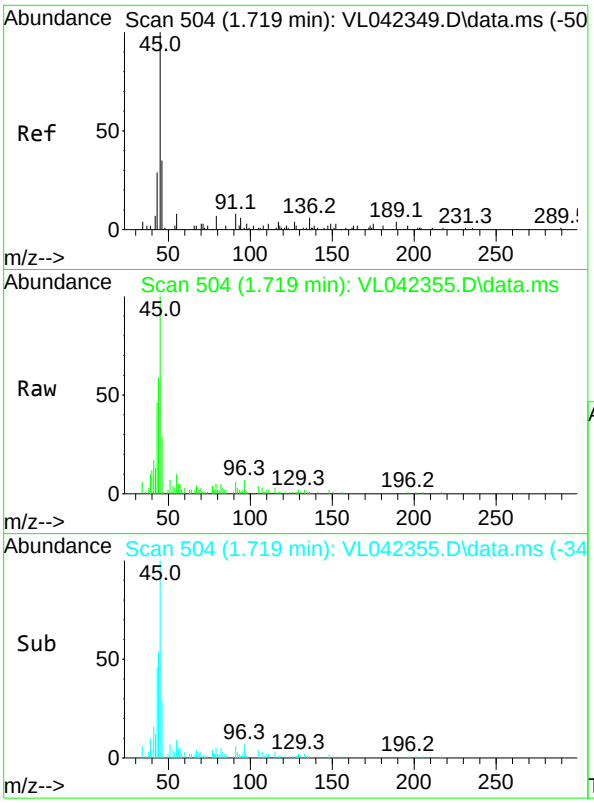


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.447 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:101 Resp: 230366

Ion	Ratio	Lower	Upper
101	100		
151	71.8	57.0	85.6

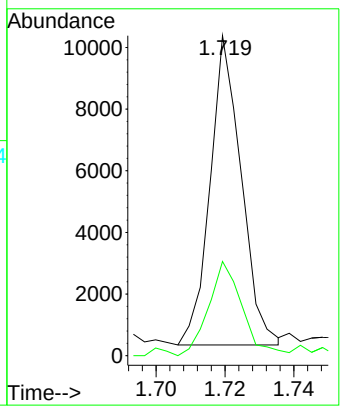




#13
Ethanol
Concen: 8.702 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 45 Resp: 632

Ion	Ratio	Lower	Upper
45	100		
46	37.6	21.9	87.7



Instrument :
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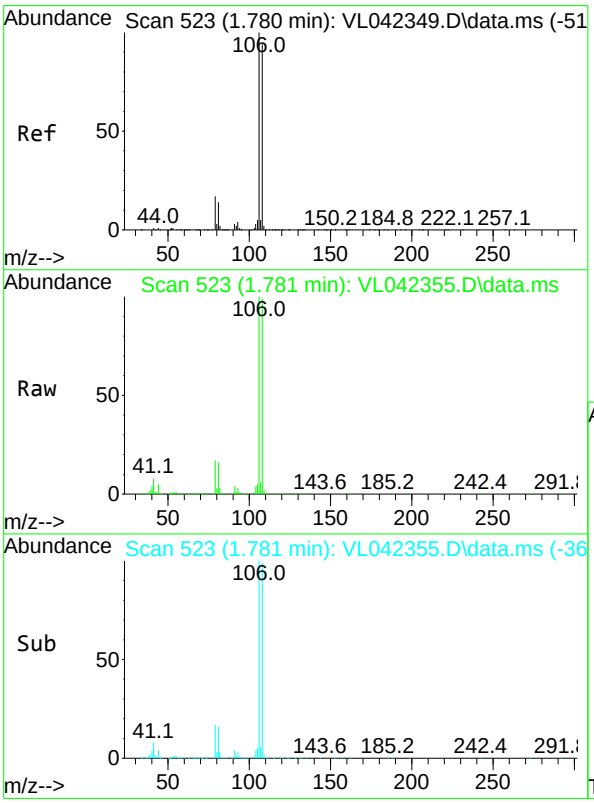
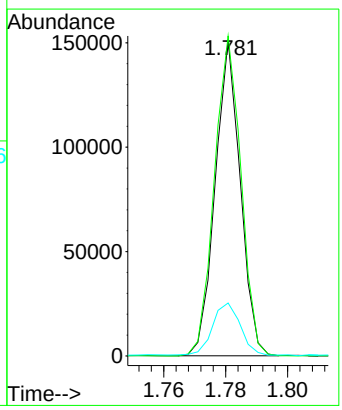
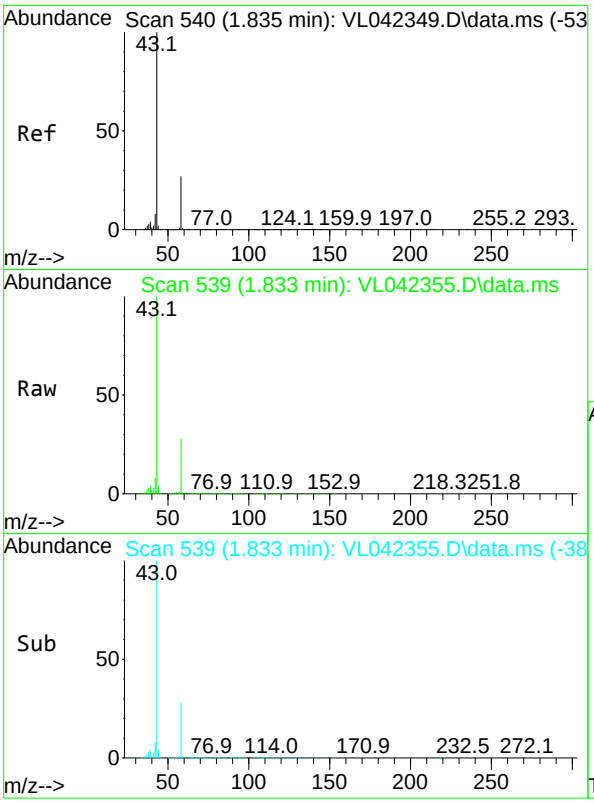


#14
Bromoethene
Concen: 14.117 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:108 Resp: 84851

Ion	Ratio	Lower	Upper
108	100		
106	107.5	85.9	128.9
79	19.3	13.9	20.9

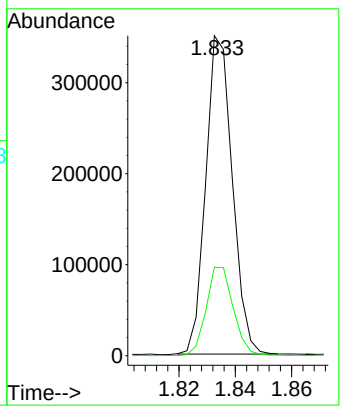




#15
Acetone
Concen: 12.056 ppbv
RT: 1.833 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 22908

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6



Instrument :
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ClientSampleId :
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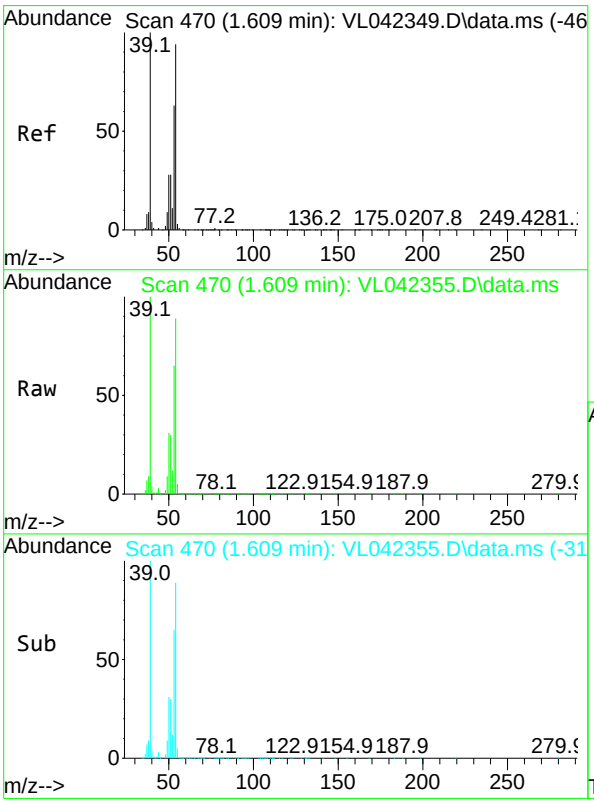
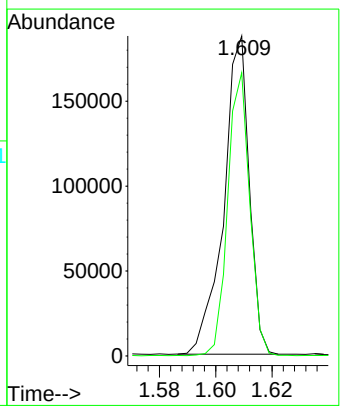
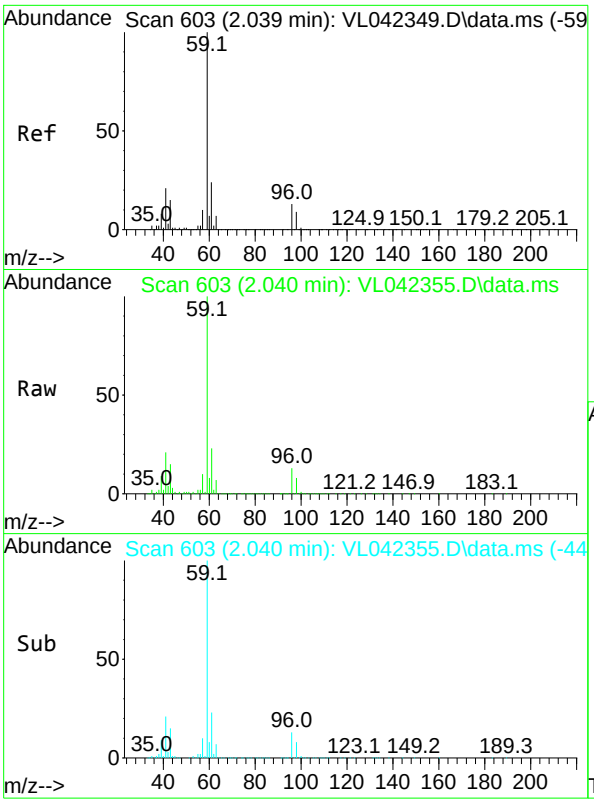


#16
1,3-Butadiene
Concen: 13.224 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 39 Resp: 117997

Ion	Ratio	Lower	Upper
39	100		
54	77.2	64.9	97.3

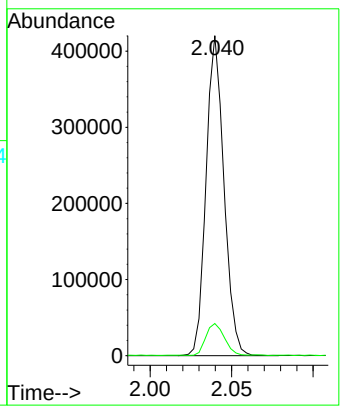




#17
tert-Butyl alcohol
Concen: 13.615 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 59 Resp: 32060

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
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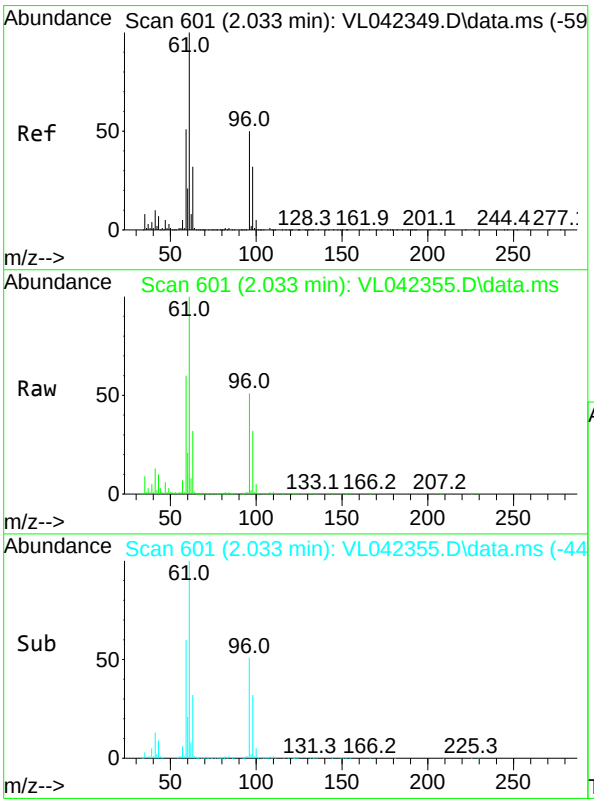
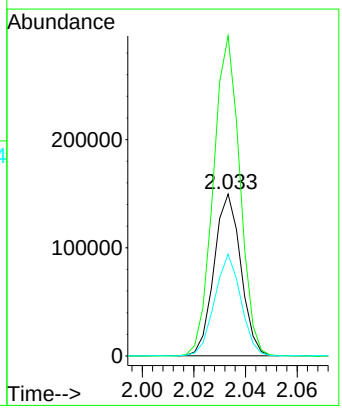
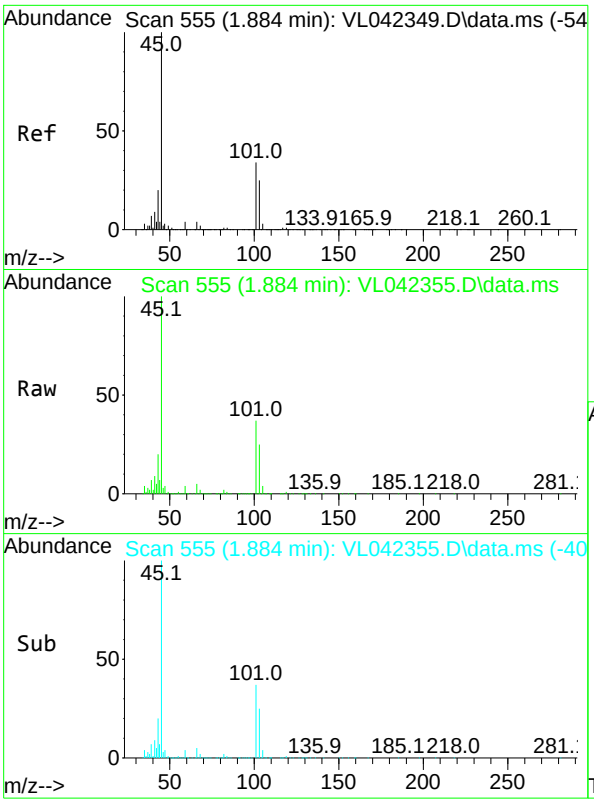


#18
1,1-Dichloroethene
Concen: 14.045 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 96 Resp: 107666

Ion	Ratio	Lower	Upper
96	100		
61	197.8	160.2	240.2
98	62.9	51.0	76.4

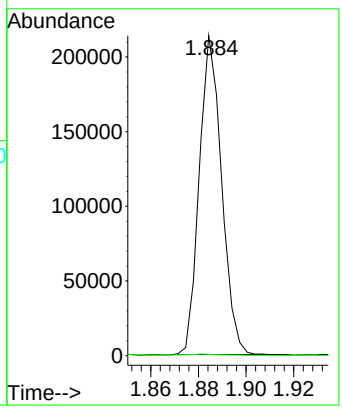




#19
Isopropyl Alcohol
Concen: 13.169 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 45 Resp: 13900

Ion	Ratio	Lower	Upper
45	100		
58	46.9	34.5	51.7



Instrument :
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ClientSampleId :
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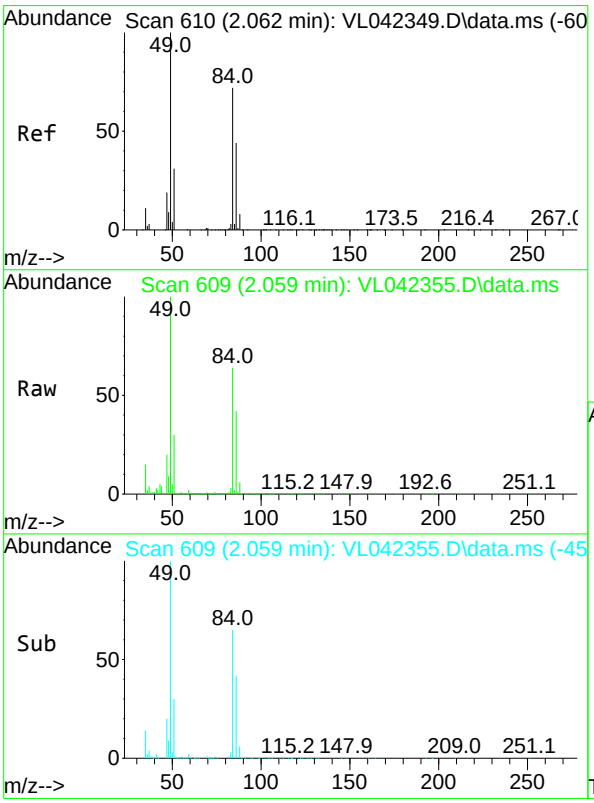
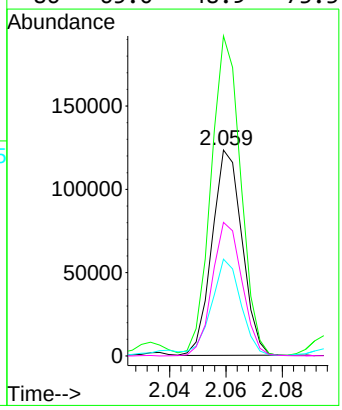
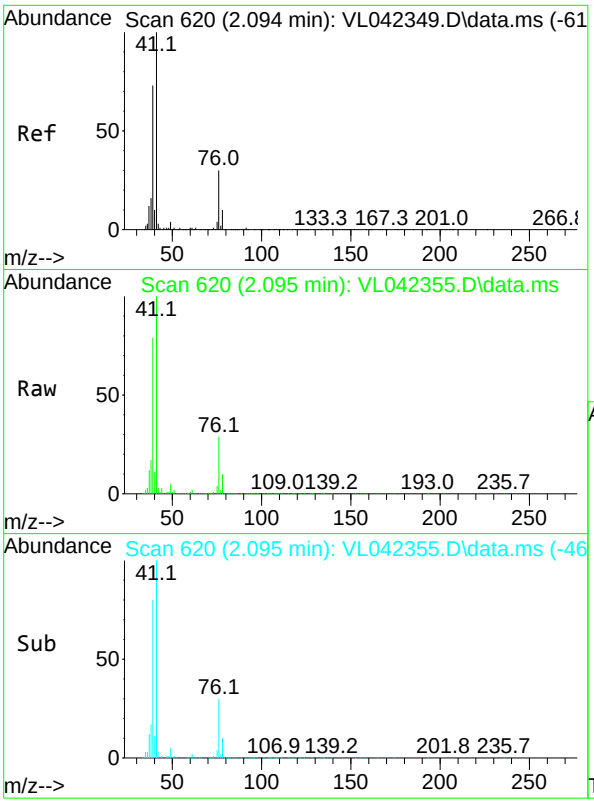


#20
Methylene Chloride
Concen: 12.241 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 84 Resp: 91093

Ion	Ratio	Lower	Upper
84	100		
49	155.7	111.6	167.4
51	46.8	35.1	52.7
86	65.0	48.9	73.3

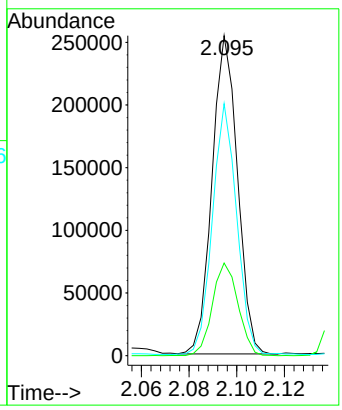




#21
Allyl Chloride
Concen: 14.329 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 41 Resp: 18799

Ion	Ratio	Lower	Upper
41	100		
76	29.3	24.8	37.2
39	75.2	60.6	90.8



Instrument :
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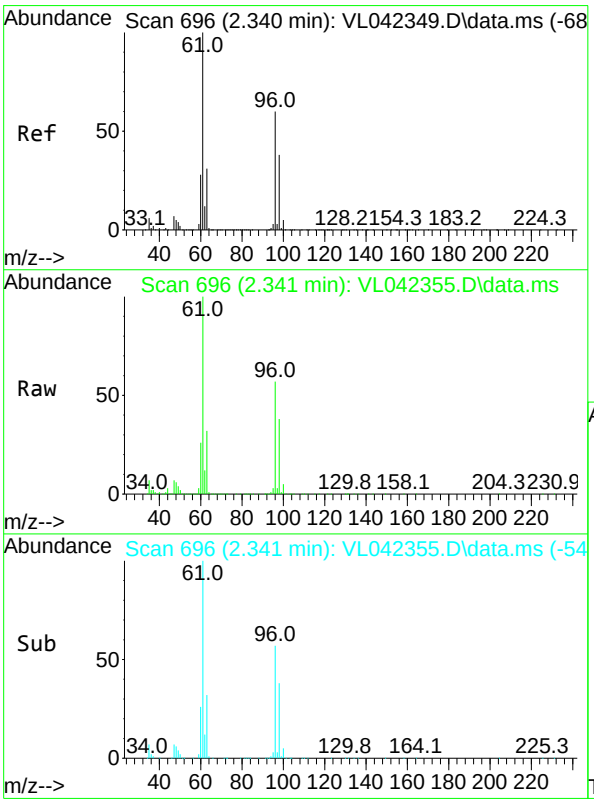
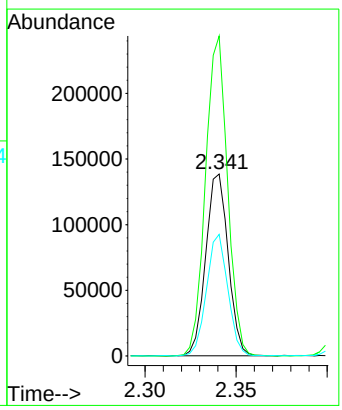
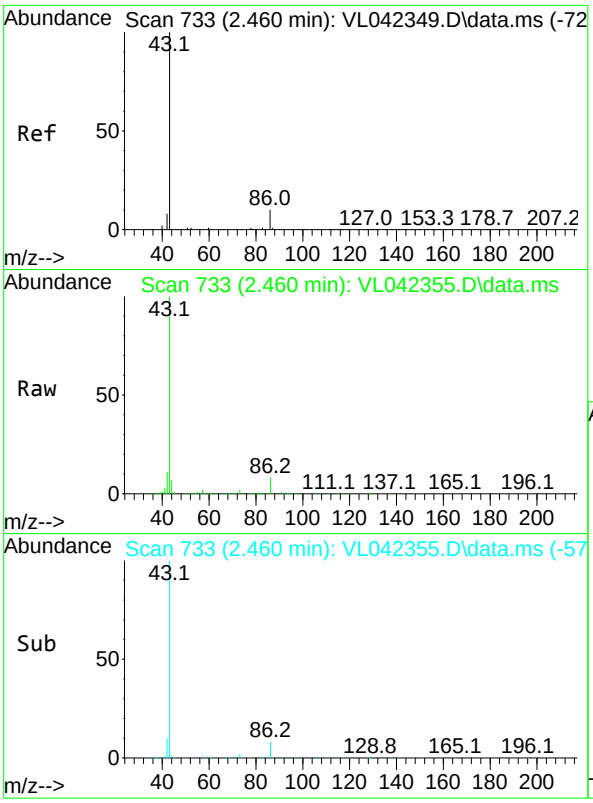


#22
trans-1,2-Dichloroethene
Concen: 13.970 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 96 Resp: 118492

Ion	Ratio	Lower	Upper
96	100		
61	176.1	133.7	200.5
98	66.8	50.3	75.5

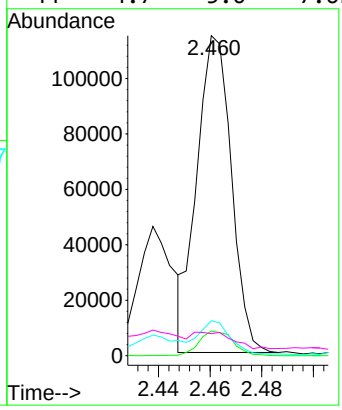




#23
Vinyl Acetate
Concen: 13.799 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 10613

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.5	9.7
42	10.4	7.8	11.8
44	4.7	5.0	7.6#



Instrument :
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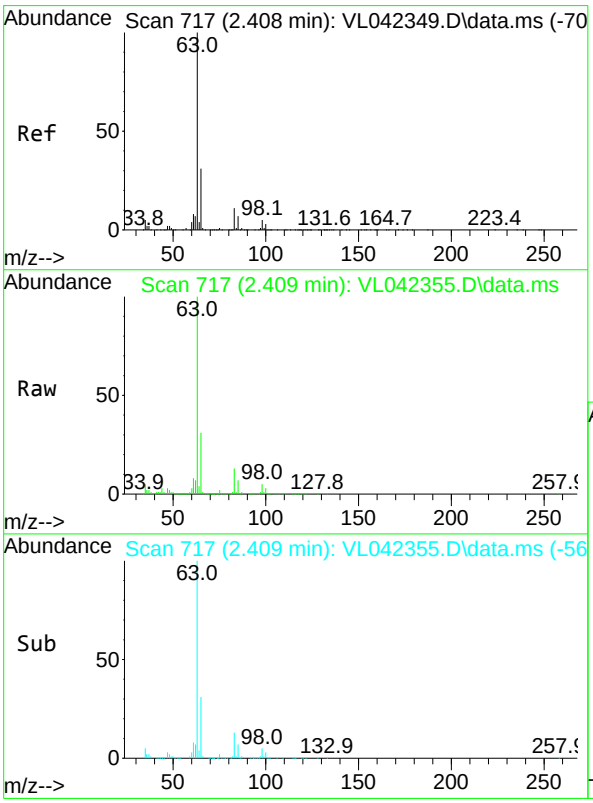
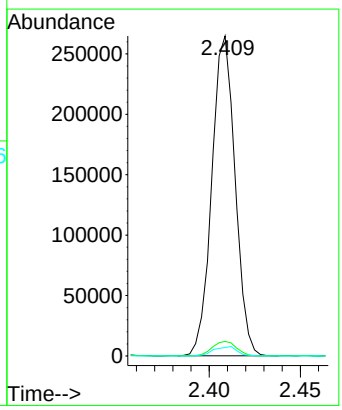
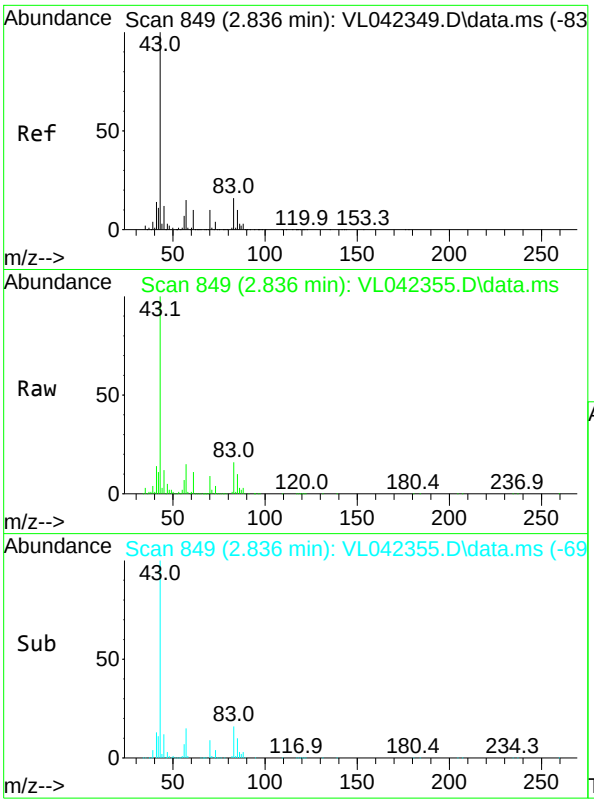


#24
1,1-Dichloroethane
Concen: 14.615 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 63 Resp: 235466

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.6	1.6	4.8

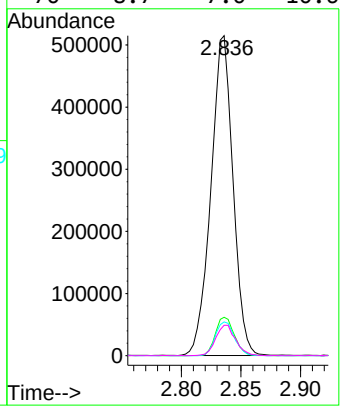




#25
Ethyl Acetate
Concen: 14.166 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 66364

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.2	7.3	10.9
70	8.7	7.0	10.6



Instrument :
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ClientSampleId :
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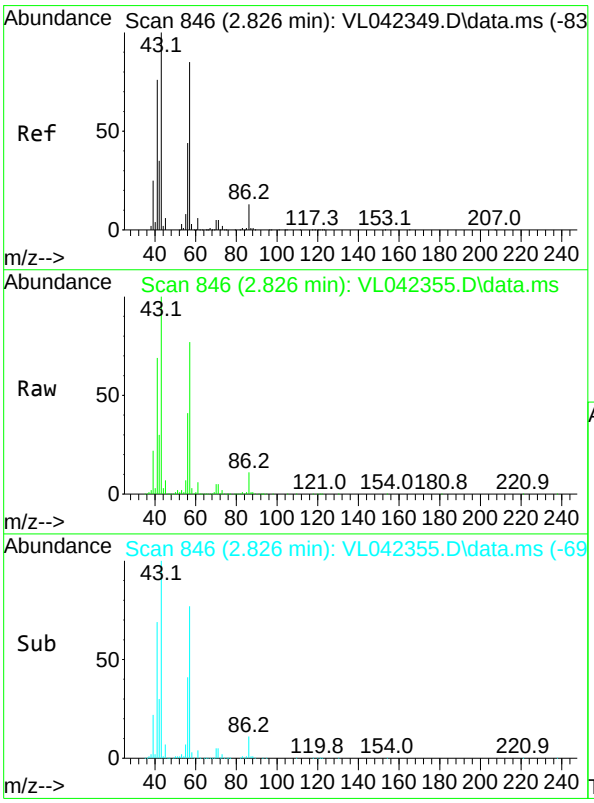
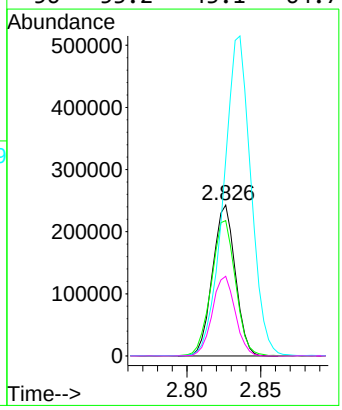
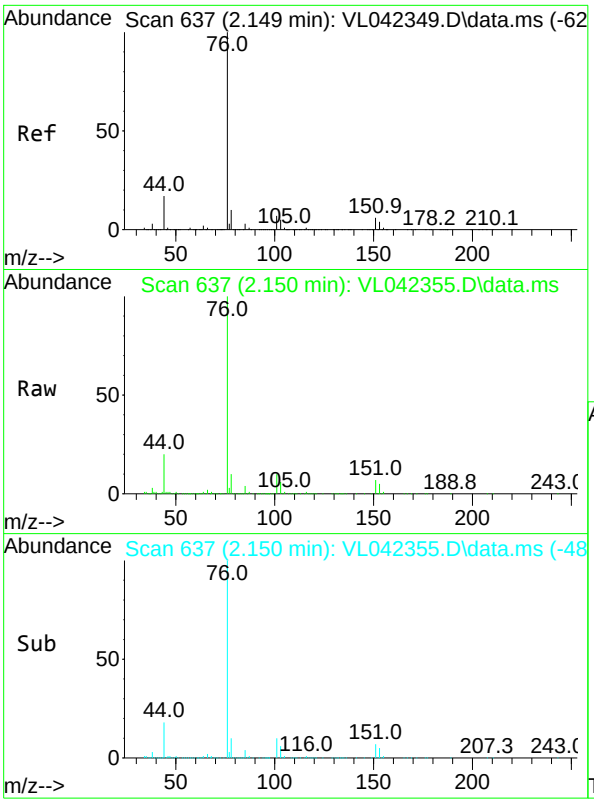


#26
Hexane
Concen: 13.765 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 57 Resp: 260975

Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.9	116.9
43	254.5	208.4	312.6
56	53.2	43.1	64.7

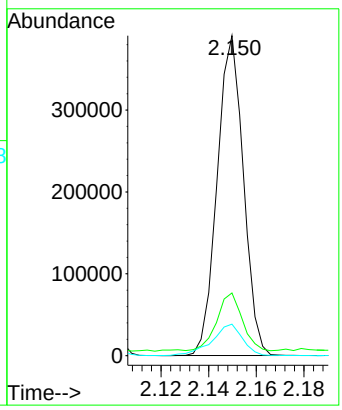




#27
Carbon Disulfide
Concen: 14.734 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 76 Resp: 29909

Ion	Ratio	Lower	Upper
76	100		
44	17.3	15.5	23.3
78	11.4	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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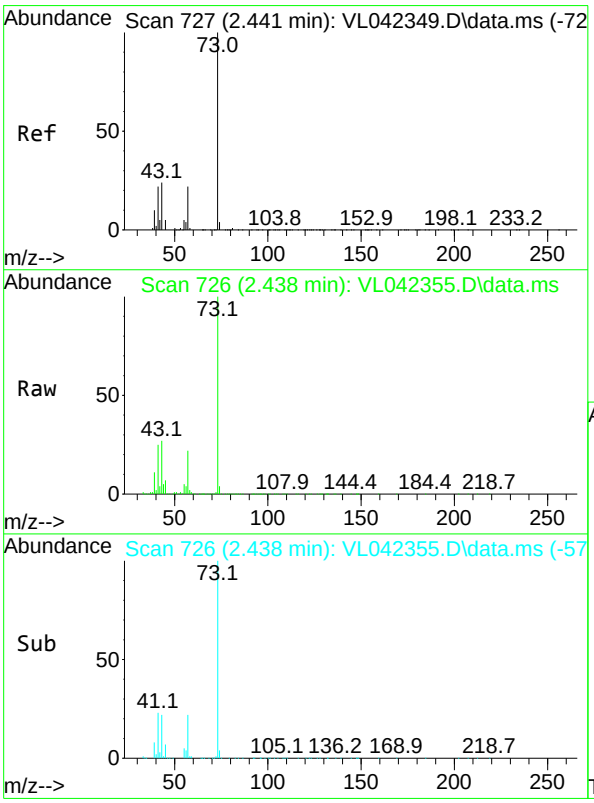
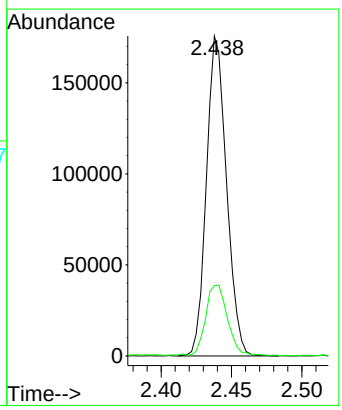
Supervised By :Mahesh Dadoda 04/18/2025

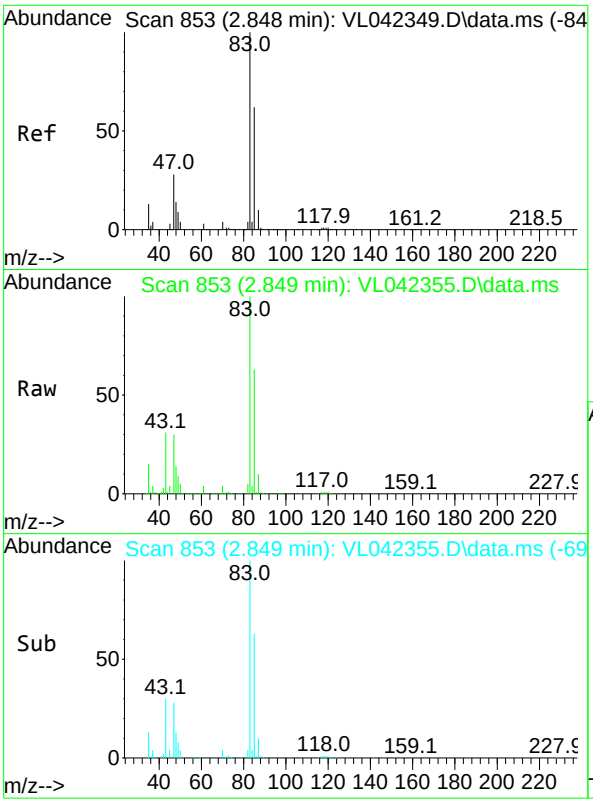


#28
Methyl tert-Butyl Ether
Concen: 14.076 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 73 Resp: 174855

Ion	Ratio	Lower	Upper
73	100		
57	24.3	21.3	31.9

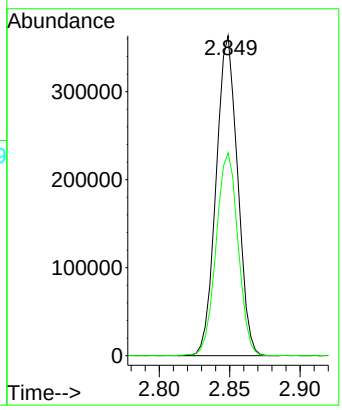




#29
Chloroform
Concen: 14.393 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 83 Resp: 38568

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.0	75.0



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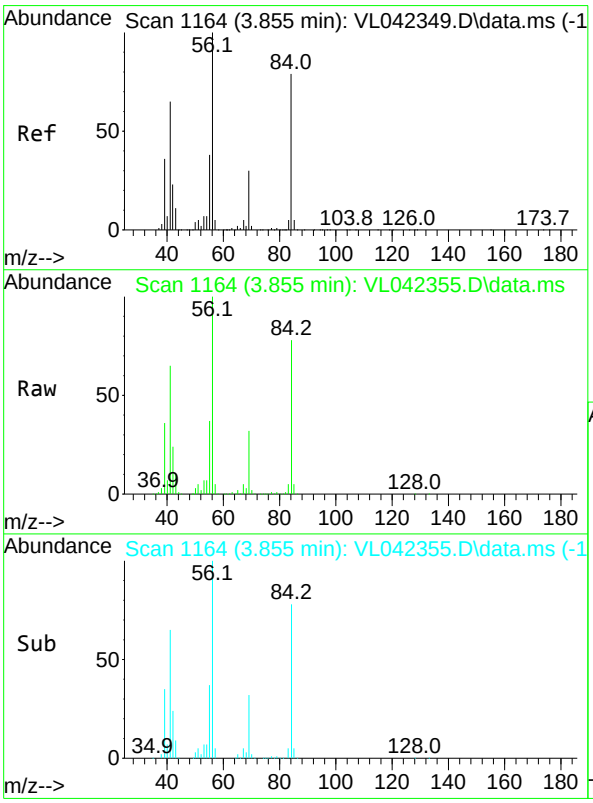
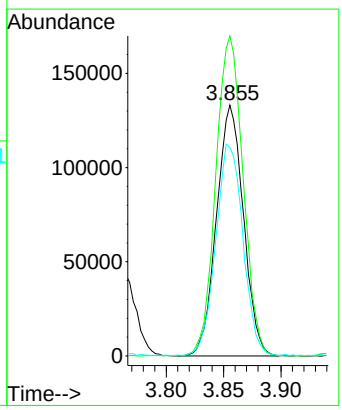
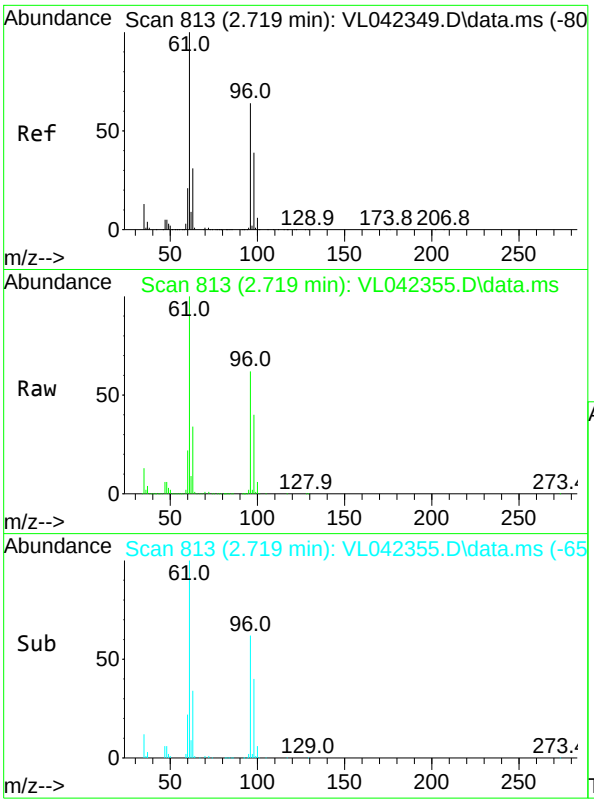


#30
Cyclohexane
Concen: 14.238 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 84 Resp: 217375

Ion	Ratio	Lower	Upper
84	100		
56	129.4	101.0	151.4
41	85.3	67.4	101.0

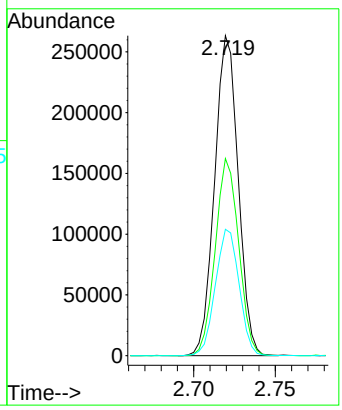




#31
cis-1,2-Dichloroethene
Concen: 14.700 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 61 Resp: 26497

Ion	Ratio	Lower	Upper
61	100		
96	61.6	50.8	76.2
98	39.5	30.9	46.3



Instrument :
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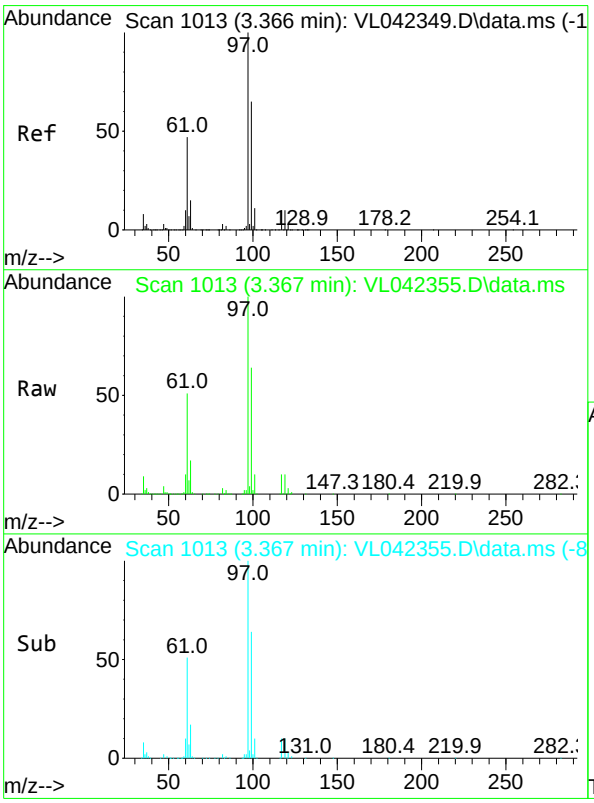
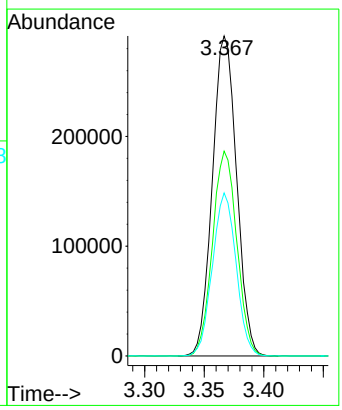
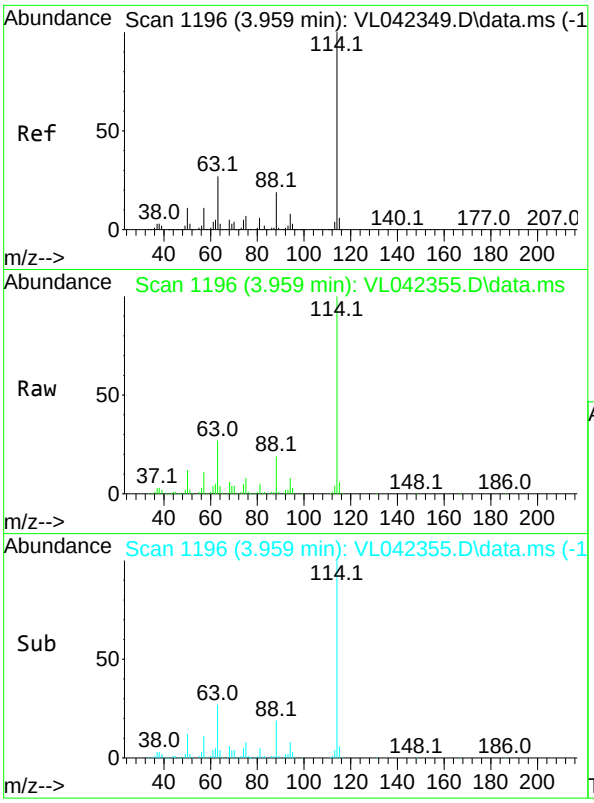


#32
1,1,1-Trichloroethane
Concen: 14.357 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 97 Resp: 412537

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	49.8	38.8	58.2

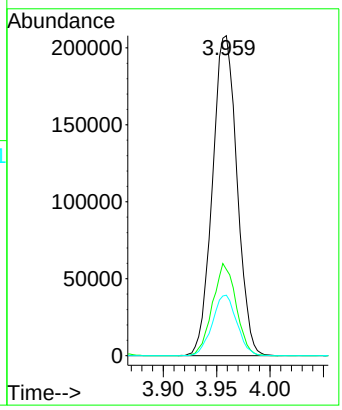




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:114 Resp: 33208

Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.8	32.6
88	18.9	15.5	23.3



Instrument :
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ClientSampleId :
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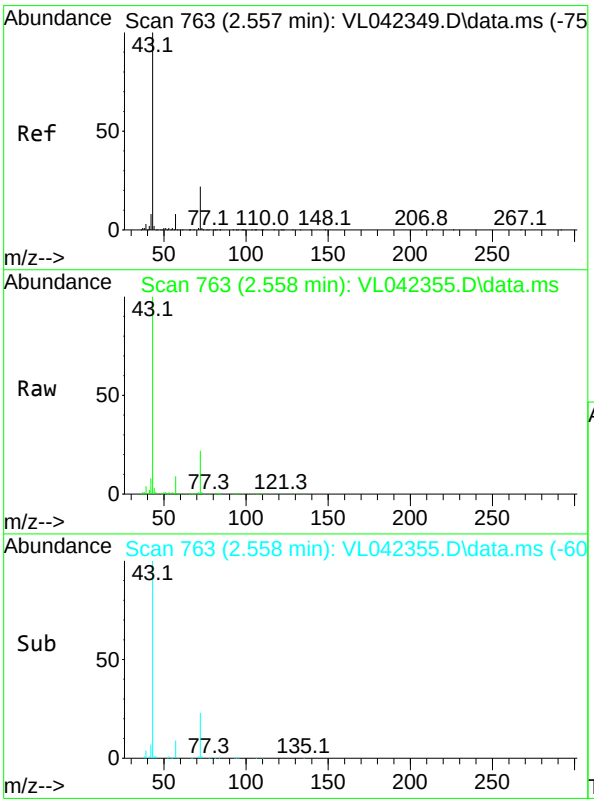
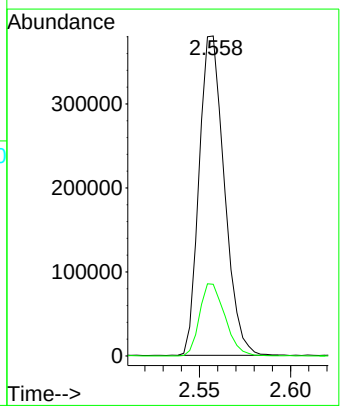
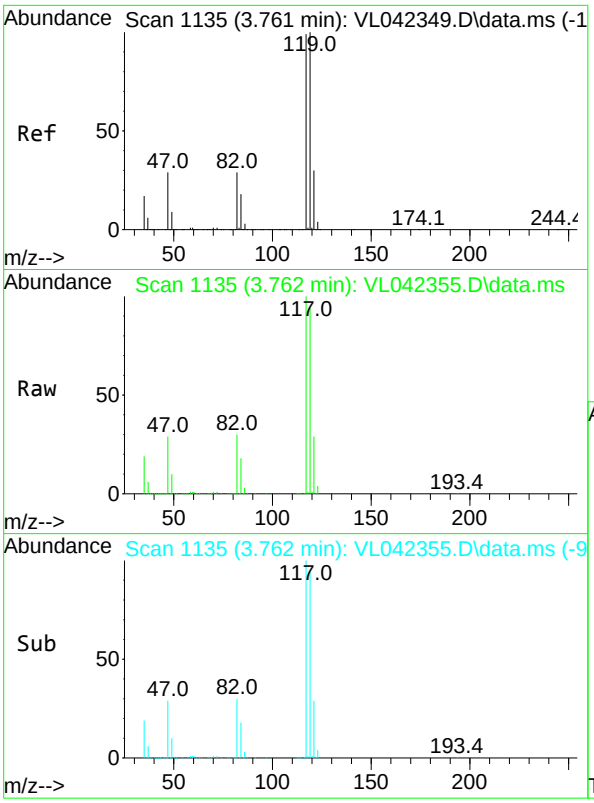


#34
2-Butanone
Concen: 13.986 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 367315

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2

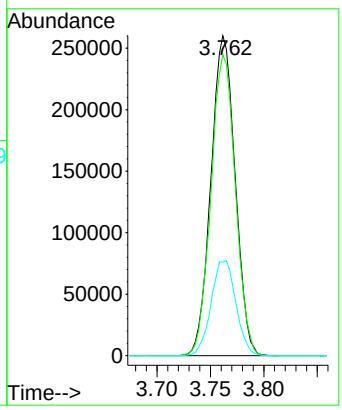




#35
Carbon Tetrachloride
Concen: 13.639 ppbv
RT: 3.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:117 Resp: 40991

Ion	Ratio	Lower	Upper
117	100		
119	94.0	80.5	120.7
121	29.2	24.2	36.2



Instrument :
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ClientSampleId :
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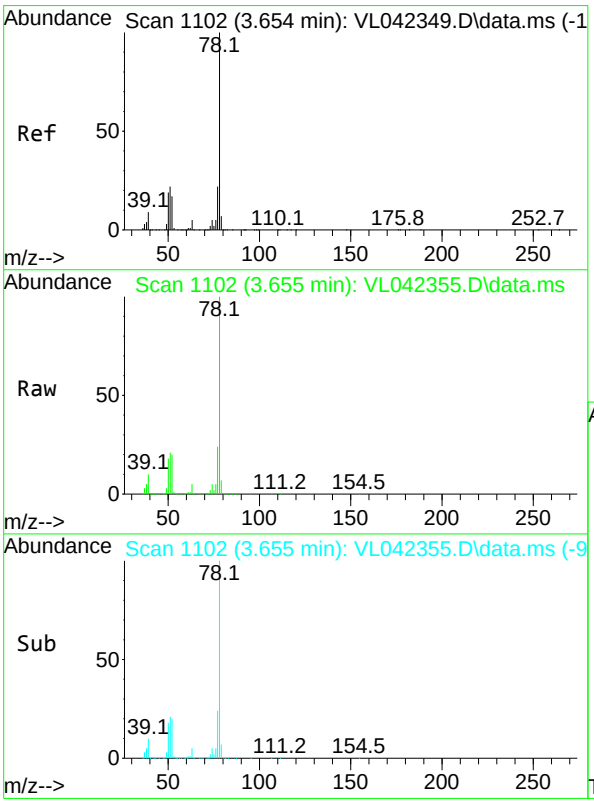
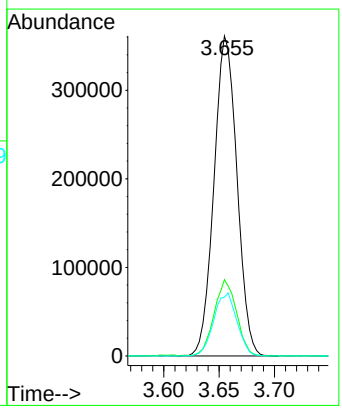
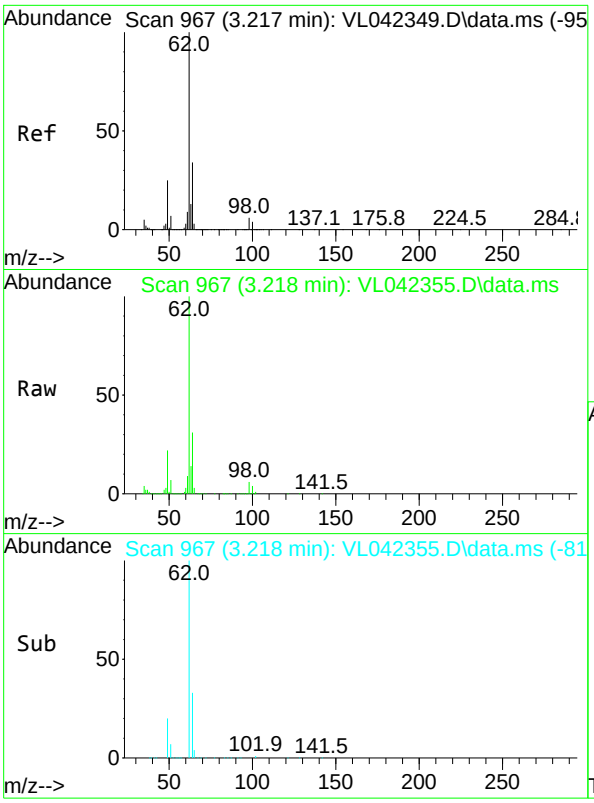


#36
Benzene
Concen: 14.578 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 78 Resp: 522156

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.4	26.0
50	18.3	15.5	23.3

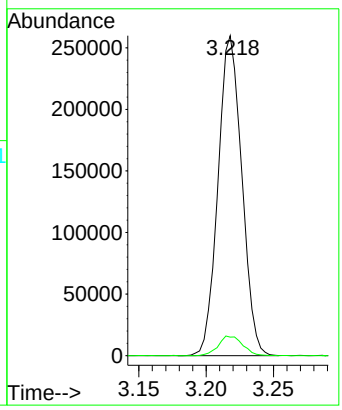




#37
1,2-Dichloroethane
Concen: 14.863 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 62 Resp: 31951

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.1	7.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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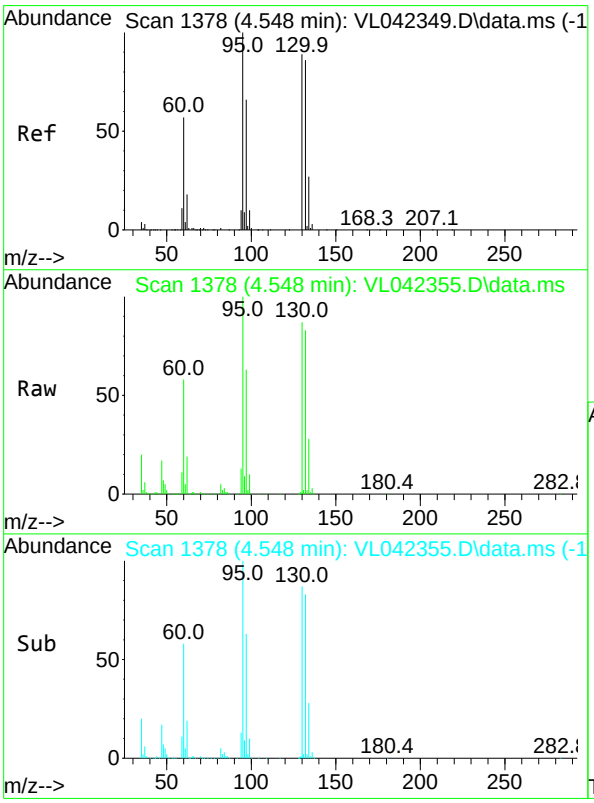
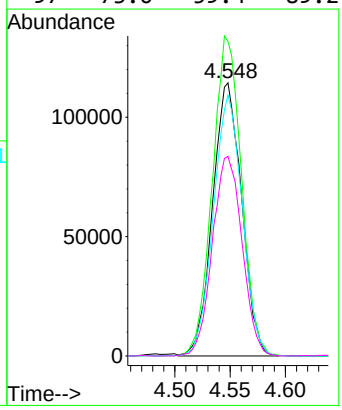
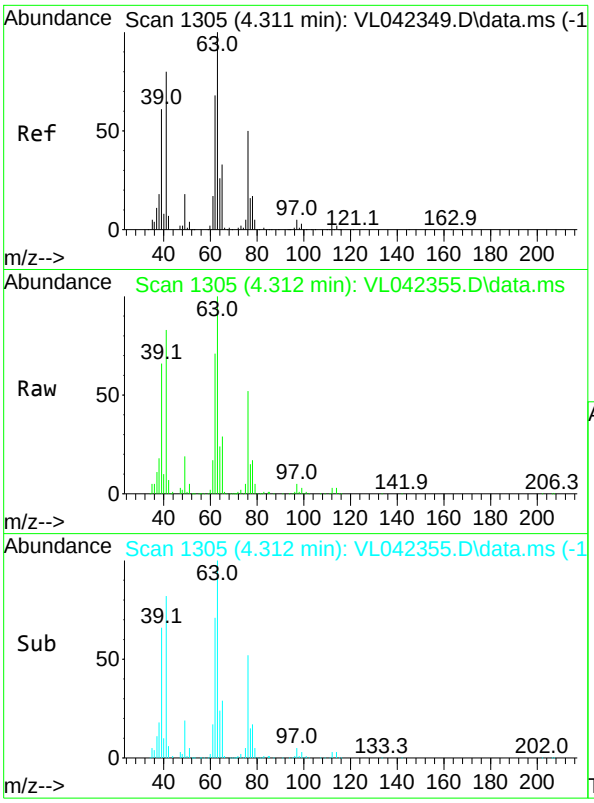


#38
Trichloroethene
Concen: 13.278 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:130 Resp: 208508

Ion	Ratio	Lower	Upper
130	100		
95	115.0	89.8	134.6
132	95.3	77.7	116.5
97	73.0	59.4	89.2

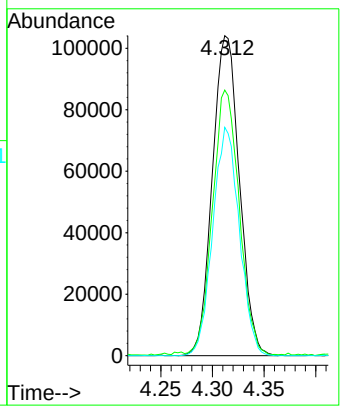




#39
1,2-Dichloropropane
Concen: 14.201 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 63 Resp: 18969

Ion	Ratio	Lower	Upper
63	100		
41	82.7	64.2	96.2
62	71.4	54.3	81.5



Instrument :
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ClientSampleId :
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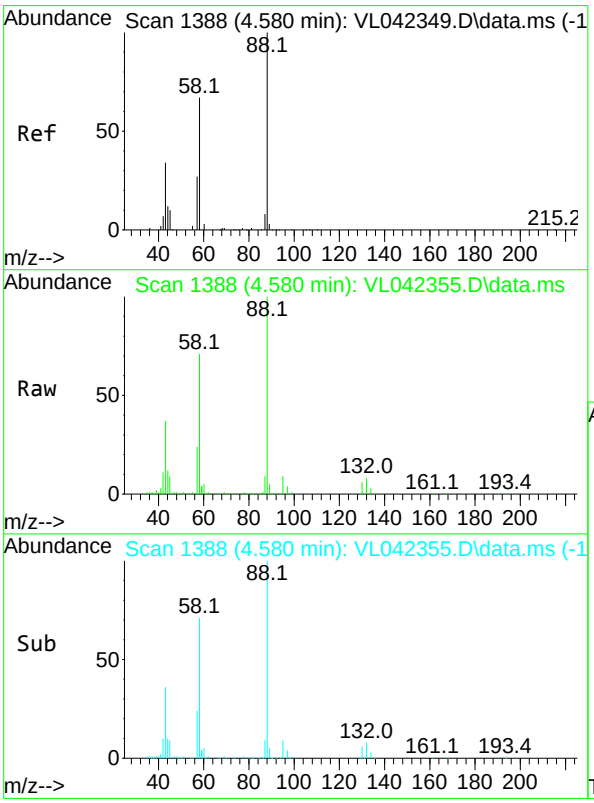
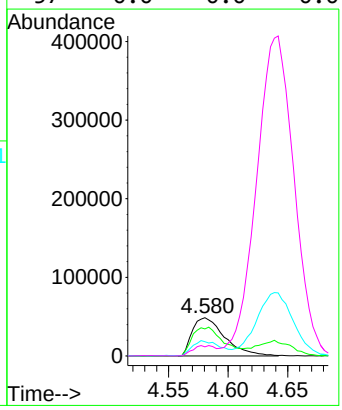
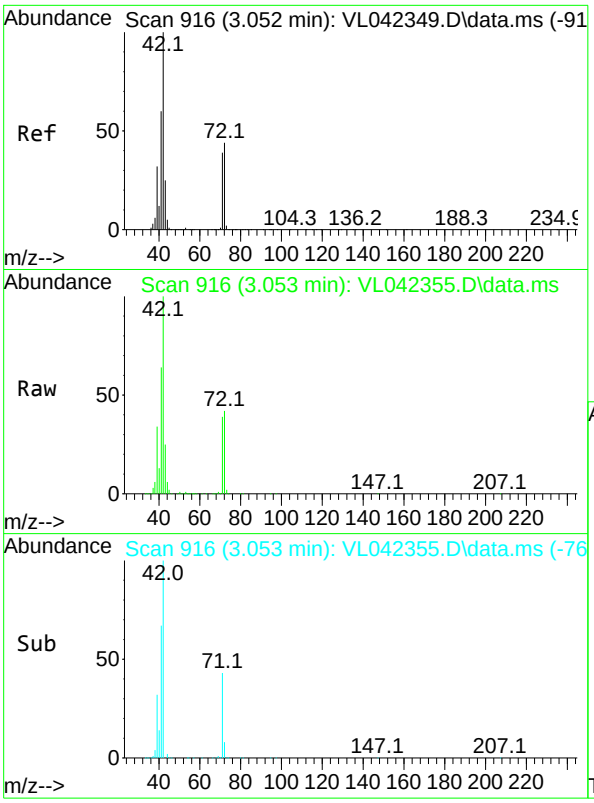


#40
1,4-Dioxane
Concen: 12.733 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 88 Resp: 92114

Ion	Ratio	Lower	Upper
88	100		
58	75.2	61.4	92.0
43	36.8	23.2	34.8#
57	0.0	0.0	0.0

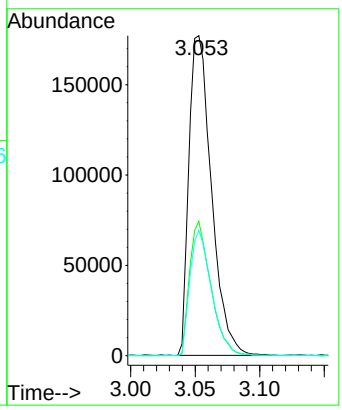




#41
Tetrahydrofuran
Concen: 14.166 ppbv
RT: 3.053 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 42 Resp: 21494

Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.3	48.5
71	37.9	31.4	47.2



Instrument :
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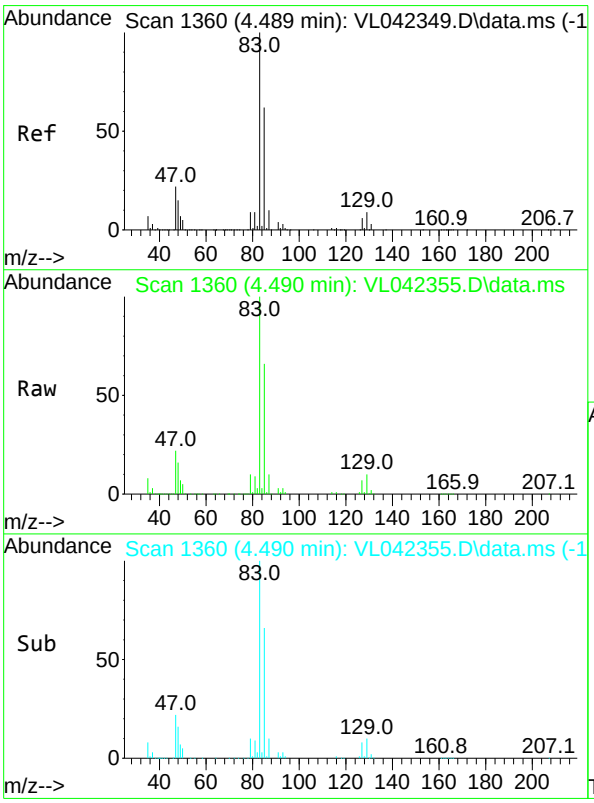
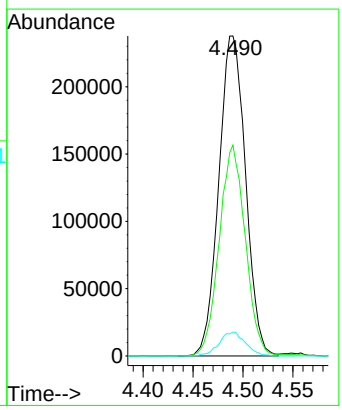
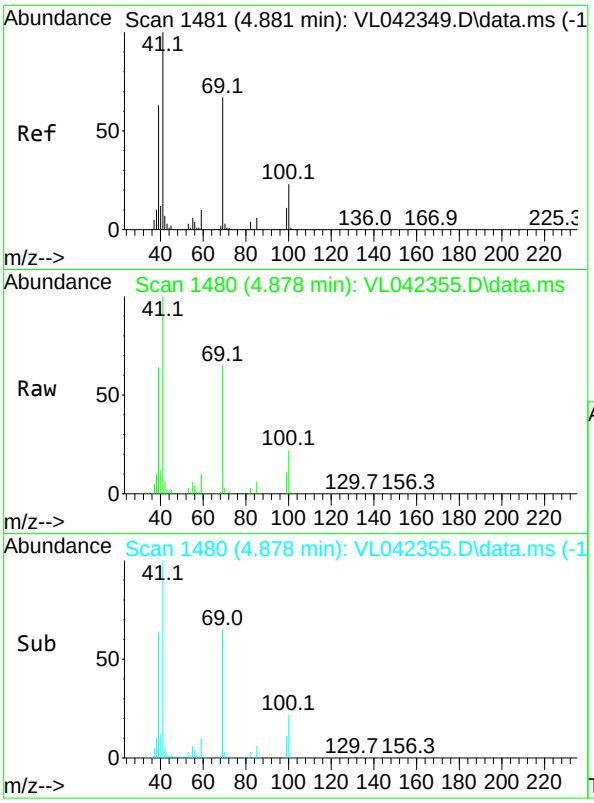


#42
Bromodichloromethane
Concen: 14.798 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 83 Resp: 442735

Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.7	74.5
127	7.5	5.1	7.7

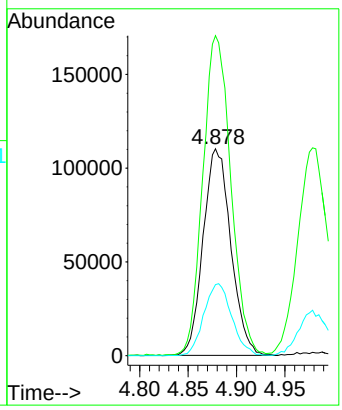




#43
Methyl Methacrylate
Concen: 13.670 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 69 Resp: 21975

Ion	Ratio	Lower	Upper
69	100		
41	156.6	118.6	177.8
100	35.2	28.2	42.2



Instrument :
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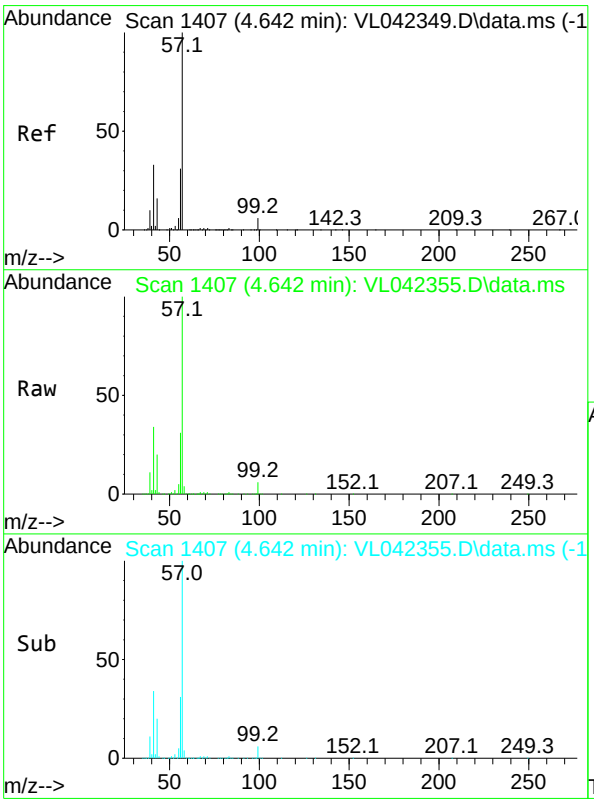
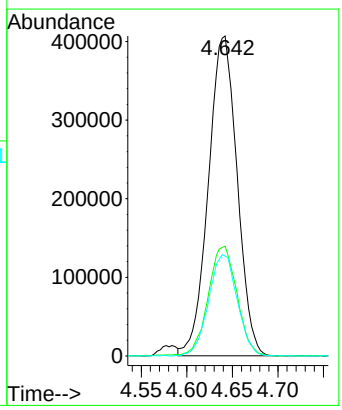
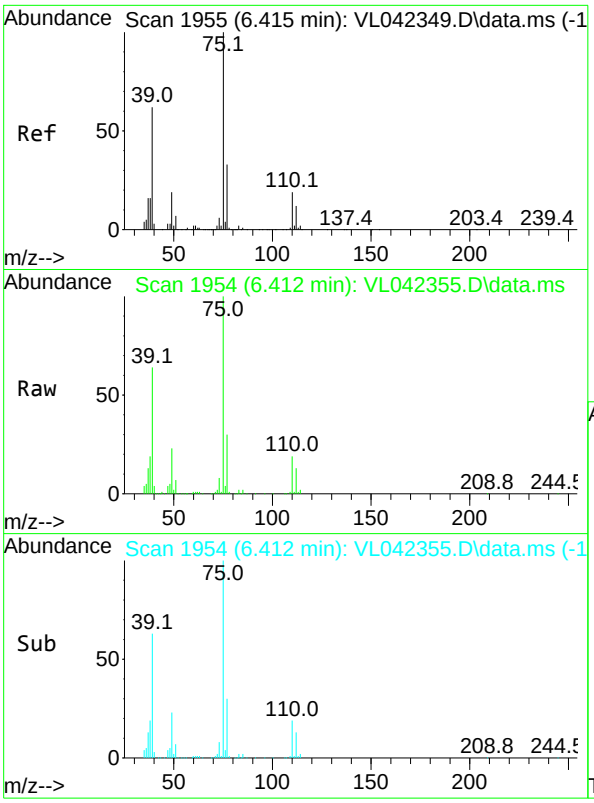


#44
2,2,4-Trimethylpentane
Concen: 14.425 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 57 Resp: 893529

Ion	Ratio	Lower	Upper
57	100		
41	34.4	27.2	40.8
56	31.6	25.7	38.5

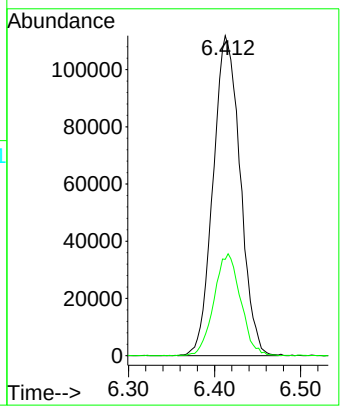




#45
t-1,3-Dichloropropene
Concen: 14.810 ppbv
RT: 6.412 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 75 Resp: 24447

Ion	Ratio	Lower	Upper
75	100		
77	30.1	27.0	40.6



Instrument :
MSVOA_L
ClientSampleId :
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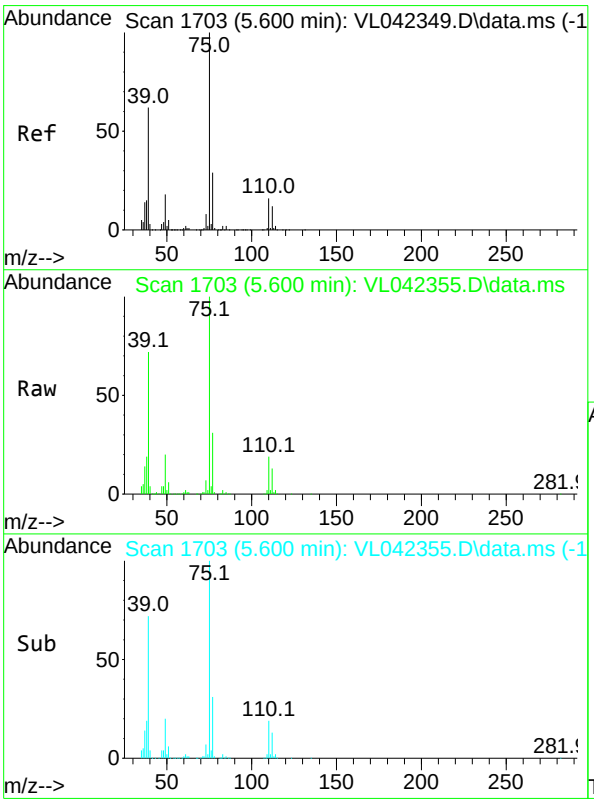
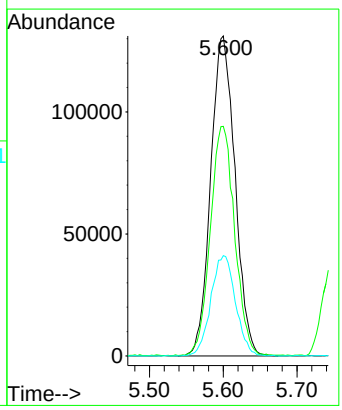
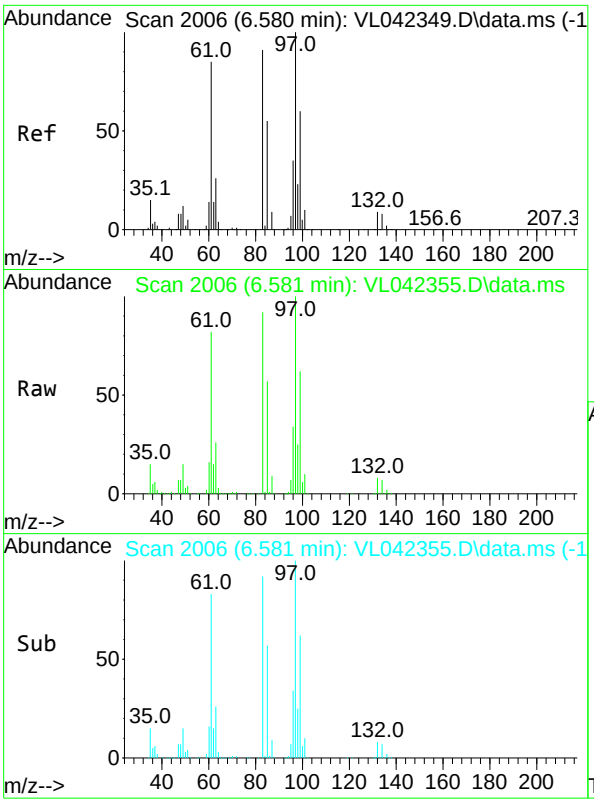


#46
cis-1,3-Dichloropropene
Concen: 14.878 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 75 Resp: 300145

Ion	Ratio	Lower	Upper
75	100		
39	71.6	50.0	75.0
77	31.3	23.0	34.6

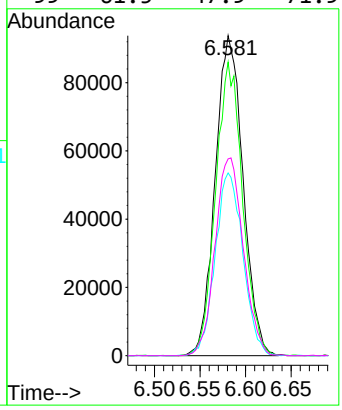




#47
1,1,2-Trichloroethane
Concen: 14.615 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 97 Resp: 19887

Ion	Ratio	Lower	Upper
97	100		
83	91.7	72.8	109.2
85	57.0	44.2	66.4
99	61.5	47.9	71.9



Instrument :
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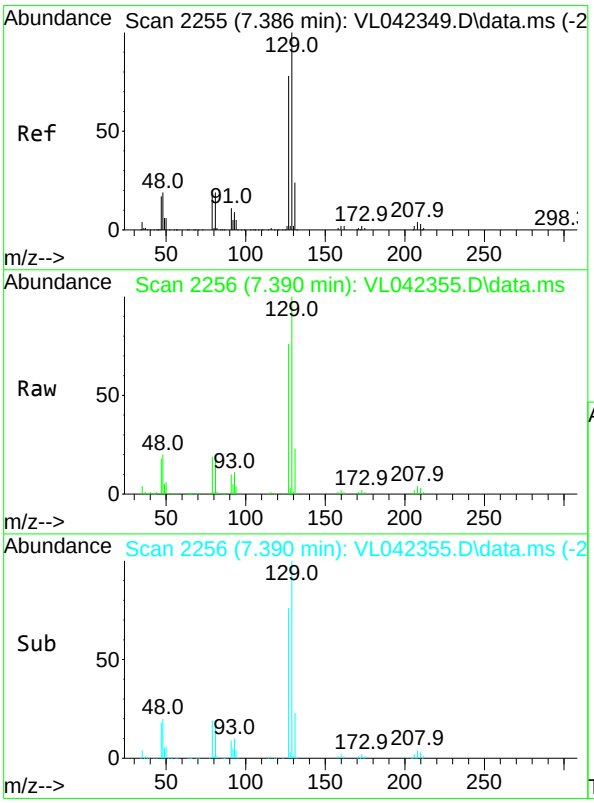
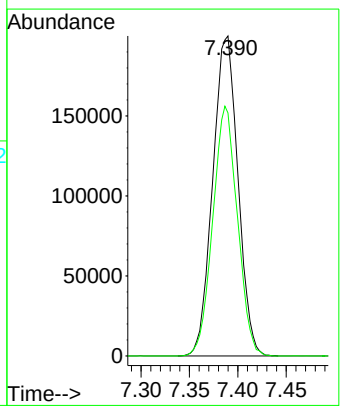
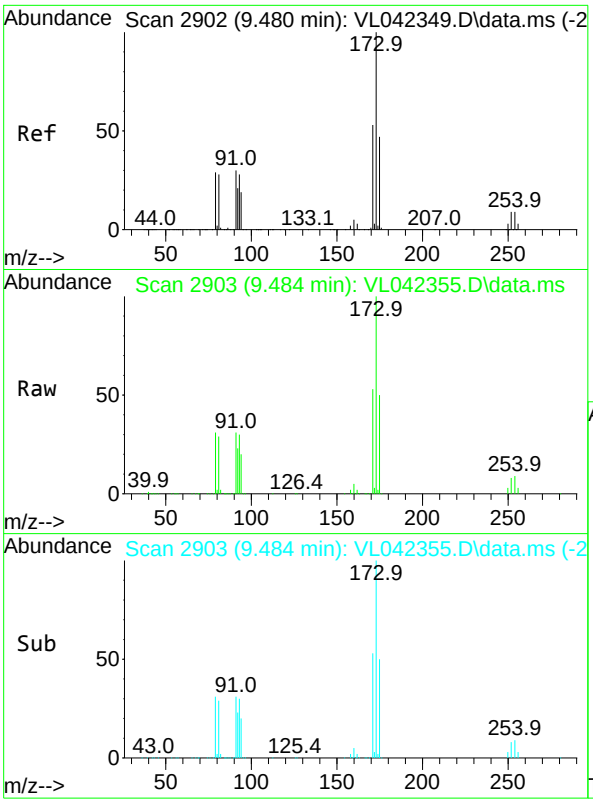


#48
Dibromochloromethane
Concen: 15.105 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:129 Resp: 362887

Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.1	117.3

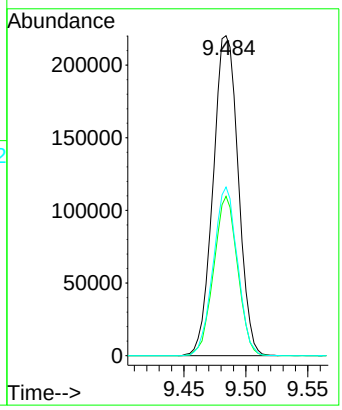




#49
Bromoform
Concen: 14.865 ppbv
RT: 9.484 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:173 Resp: 31228

Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.2	57.2
171	50.6	40.9	61.3



Instrument :
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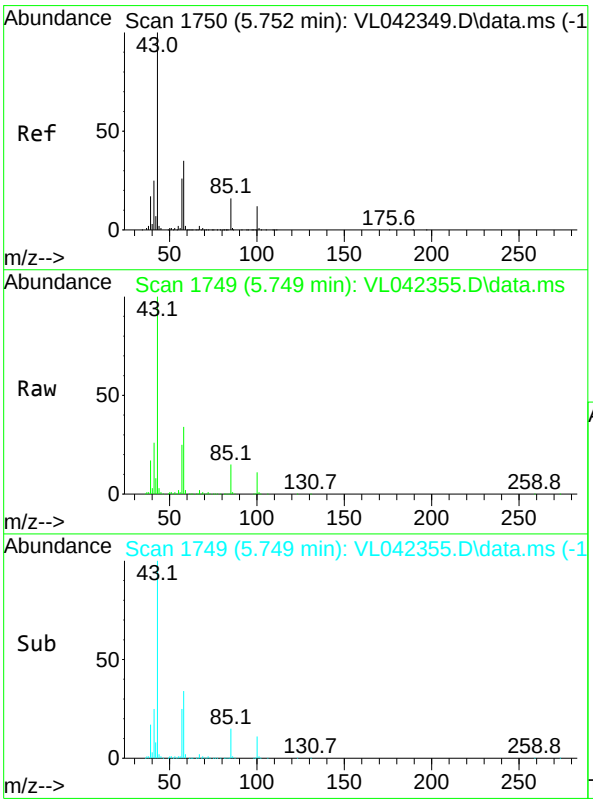
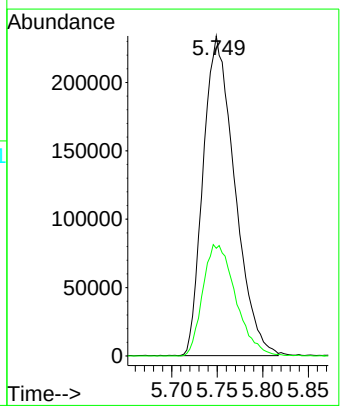
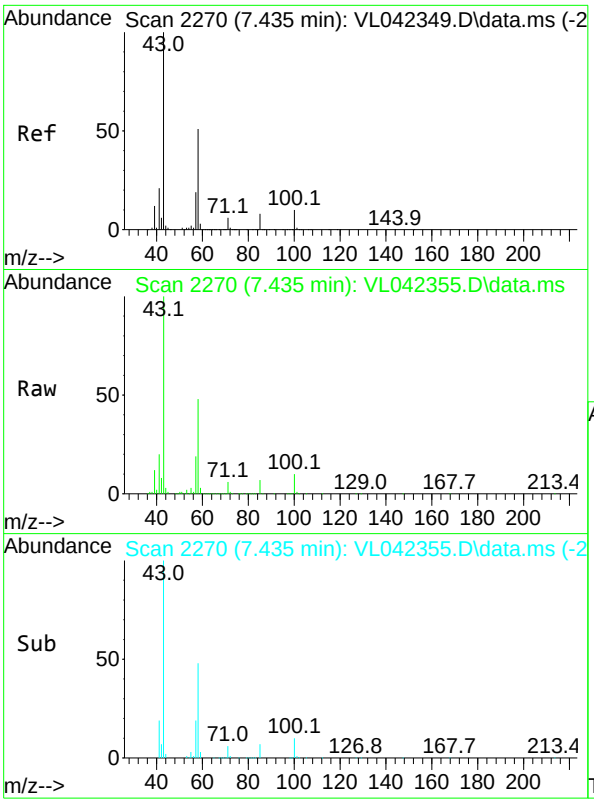


#50
4-Methyl-2-Pentanone
Concen: 12.889 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 563658

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.6	43.0

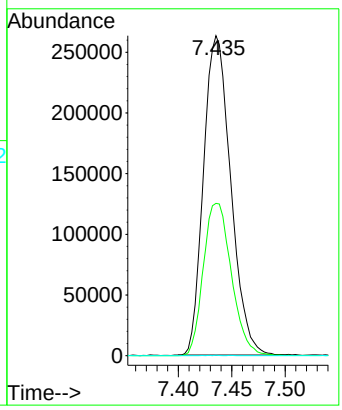




#51
2-Hexanone
Concen: 11.834 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 46700

Ion	Ratio	Lower	Upper
43	100		
58	49.2	40.2	60.4
98	0.0	0.1	0.1



Instrument :
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ClientSampleId :
VSTDICC015

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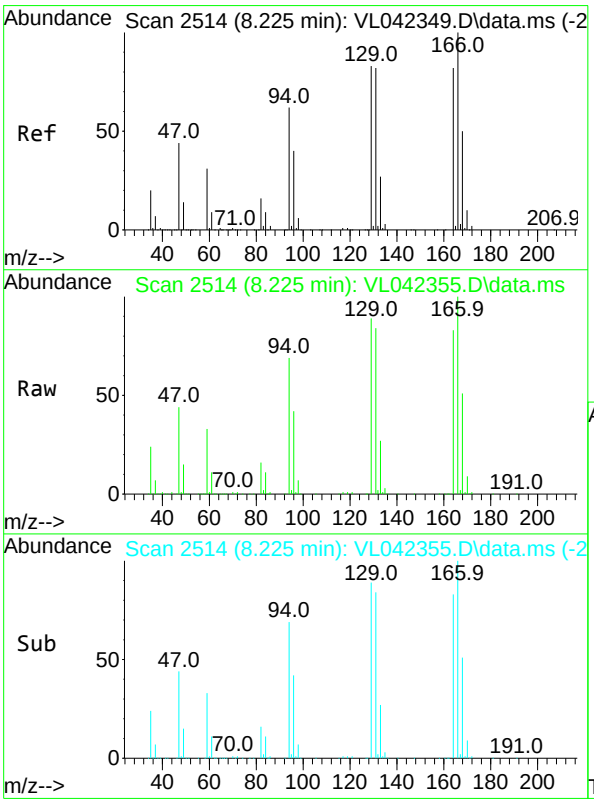
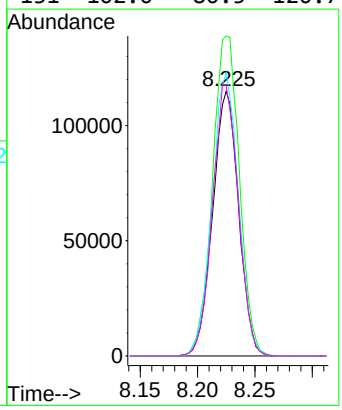
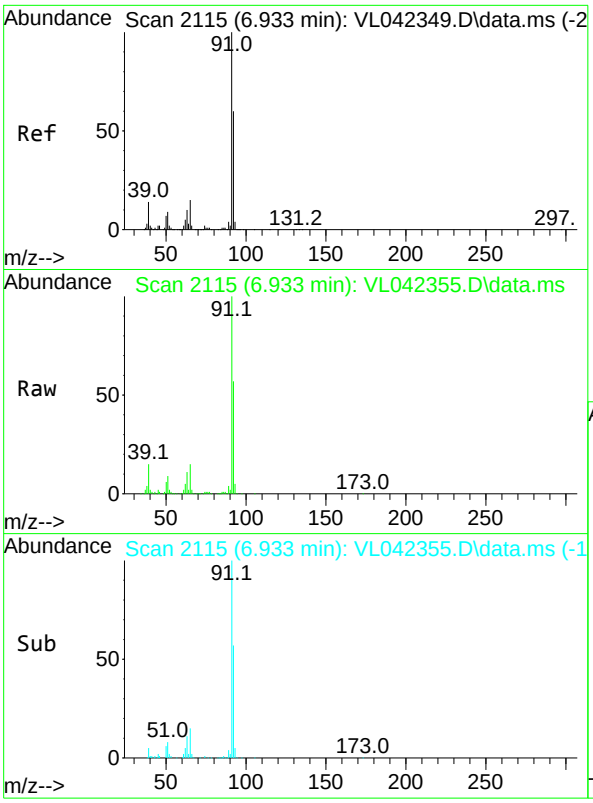


#52
Tetrachloroethene
Concen: 13.046 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:164 Resp: 180631

Ion	Ratio	Lower	Upper
164	100		
166	120.8	98.2	147.2
129	107.0	81.8	122.8
131	102.0	80.5	120.7

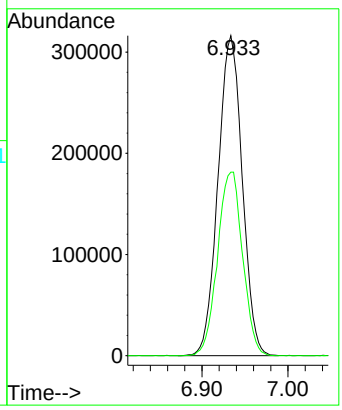




#53
Toluene
Concen: 14.411 ppbv
RT: 6.933 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 61942

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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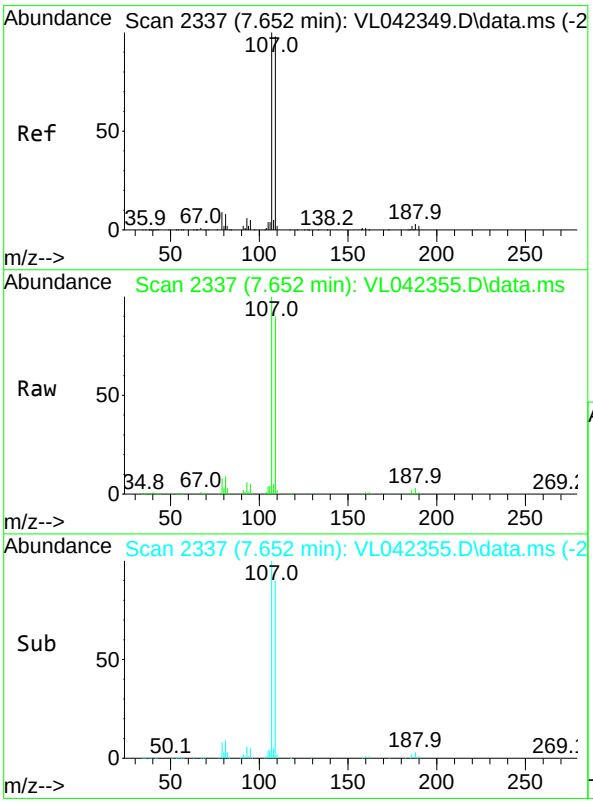
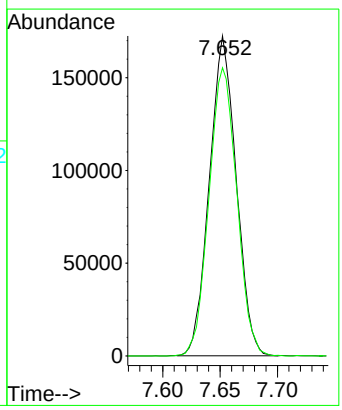
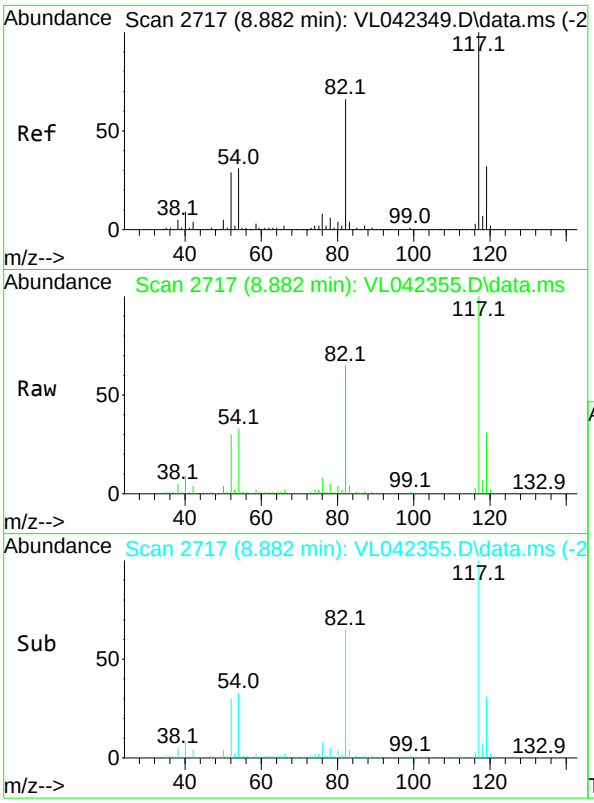


#54
1,2-Dibromoethane
Concen: 14.442 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:107 Resp: 280071

Ion	Ratio	Lower	Upper
107	100		
109	89.9	78.2	117.4

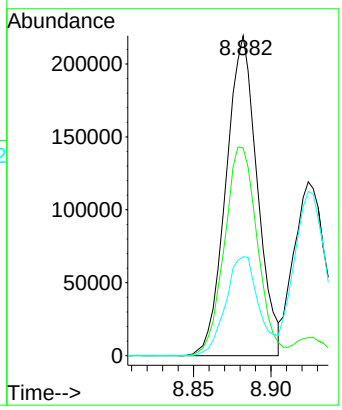




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:117 Resp: 30846

Ion	Ratio	Lower	Upper
117	100		
82	74.2	57.8	86.6
119	31.4	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
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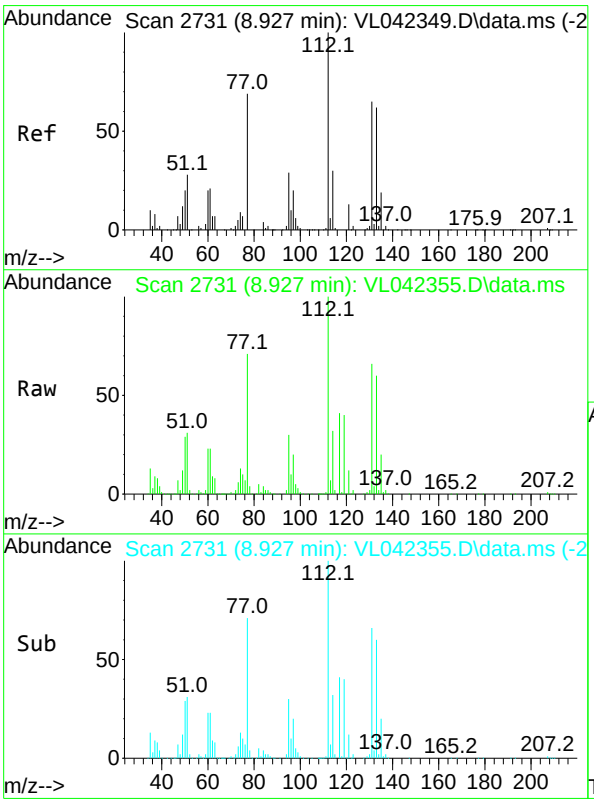
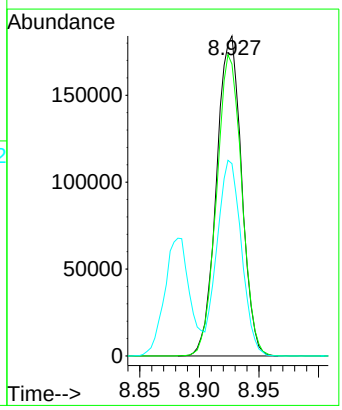
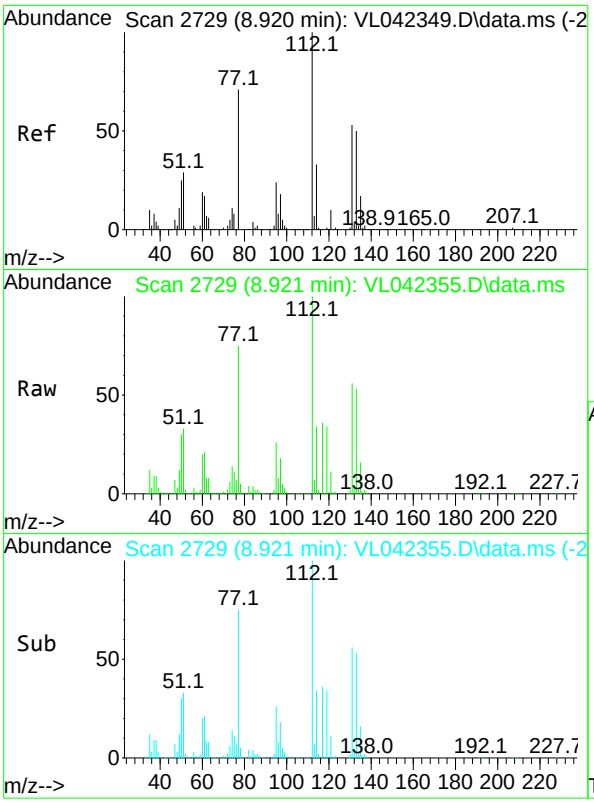


#56
1,1,1,2-Tetrachloroethane
Concen: 14.389 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:131 Resp: 268626

Ion	Ratio	Lower	Upper
131	100		
133	94.6	78.3	117.5
119	59.4	48.7	73.1

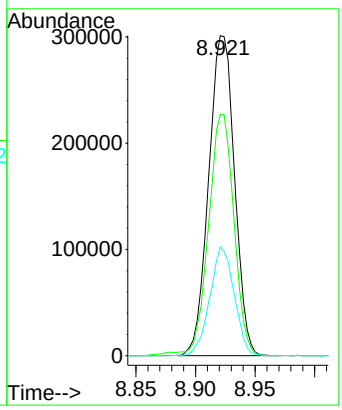




#57
Chlorobenzene
Concen: 14.151 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:112 Resp: 45401

Ion	Ratio	Lower	Upper
112	100		
77	75.3	57.8	86.6
114	33.9	29.3	35.9



Instrument :
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ClientSampleId :
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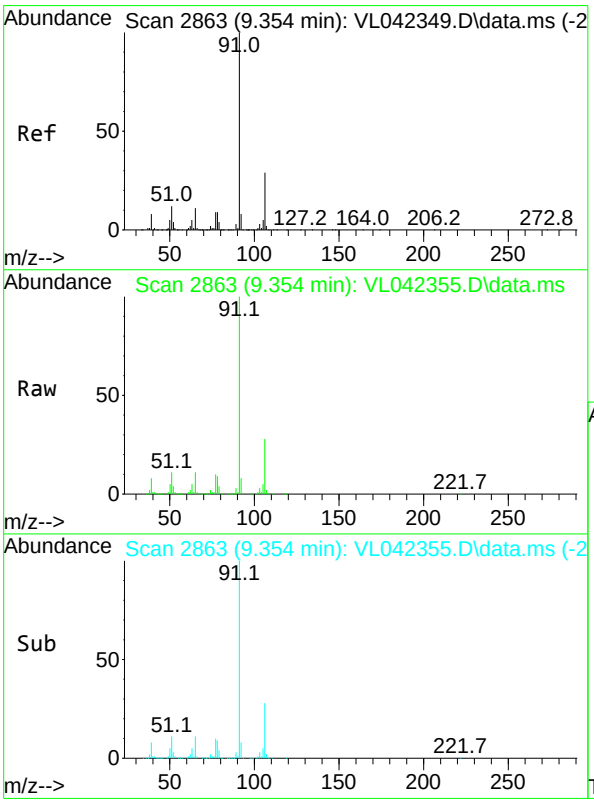
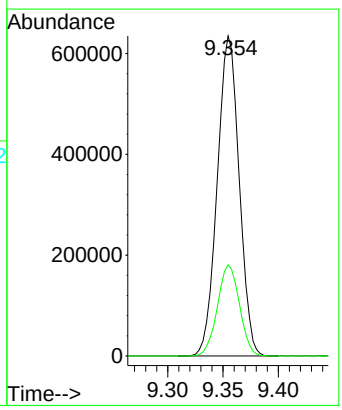
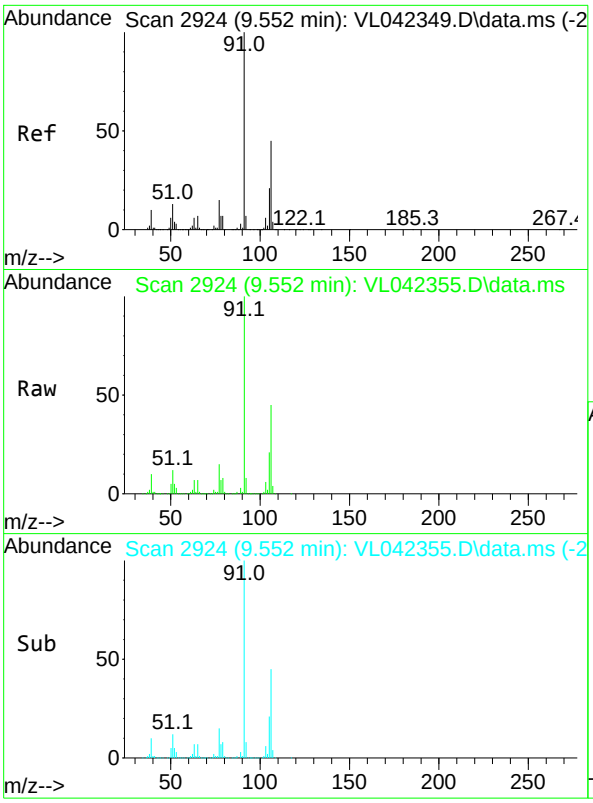


#58
Ethyl Benzene
Concen: 14.308 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 874424

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.0	34.4

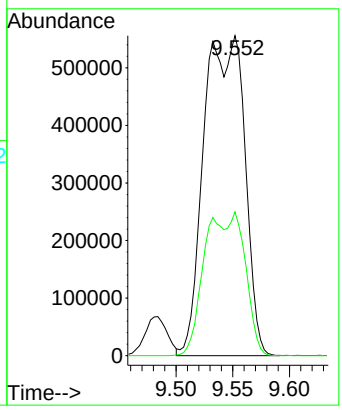




#59
m/p-Xylene
Concen: 28.109 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 138808

Ion	Ratio	Lower	Upper
91	100		
106	44.5	35.4	53.2



Instrument :
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ClientSampleId :
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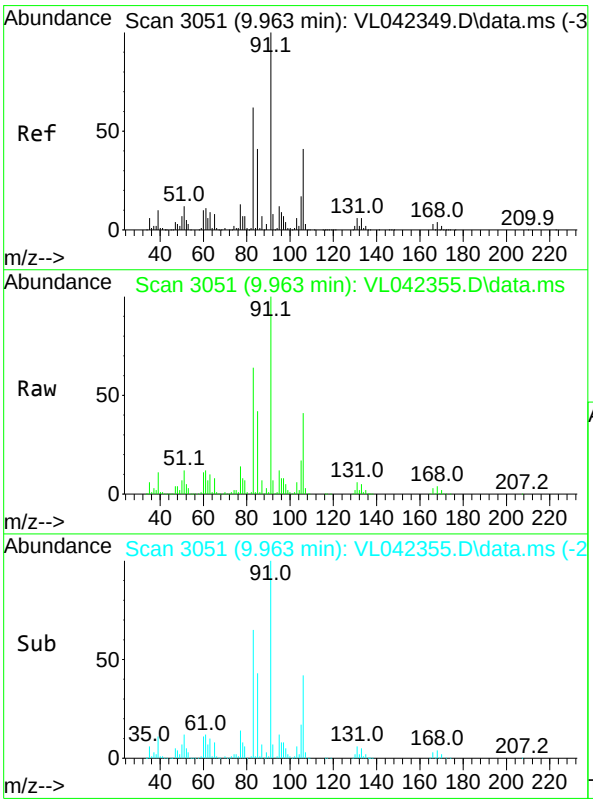
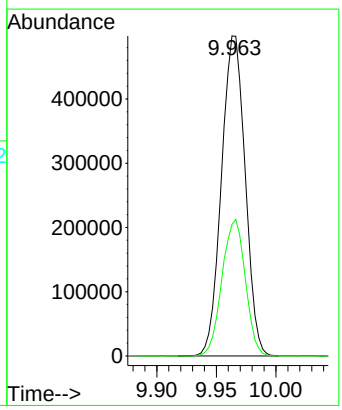
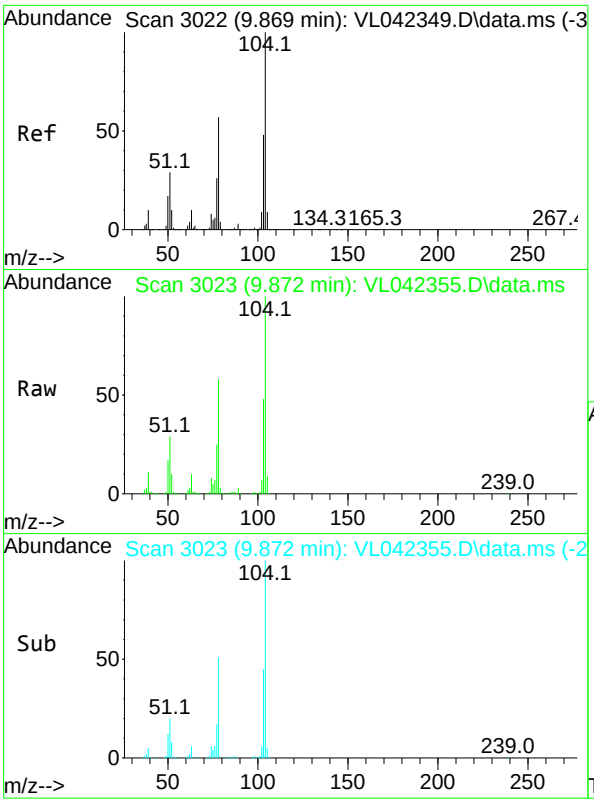


#60
o-Xylene
Concen: 13.902 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 689246

Ion	Ratio	Lower	Upper
91	100		
106	41.9	21.1	63.4

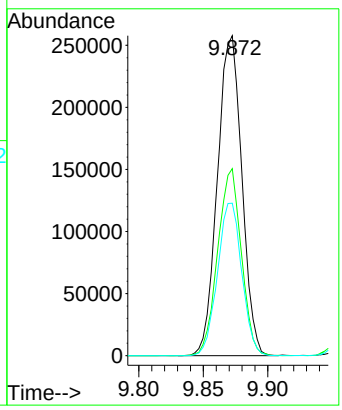




#61
Styrene
Concen: 14.347 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:104 Resp: 33950

Ion	Ratio	Lower	Upper
104	100		
78	56.4	44.6	66.8
103	47.3	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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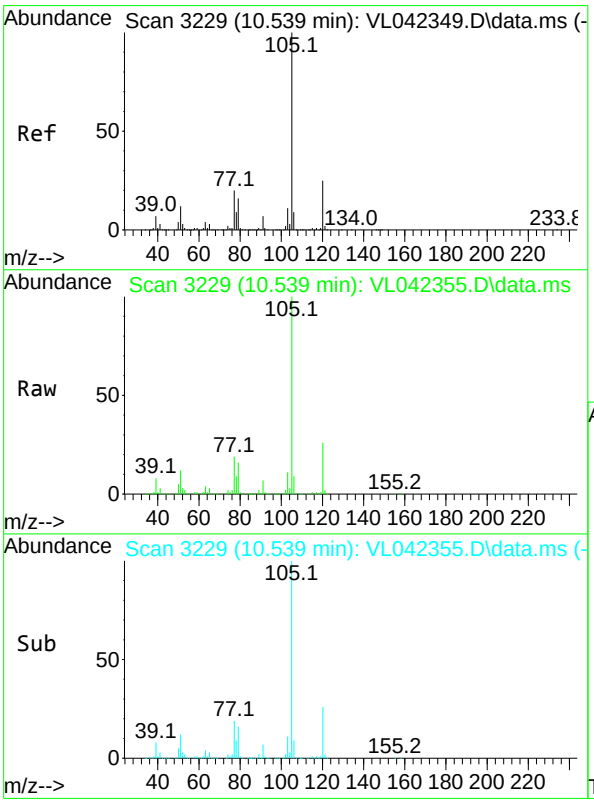
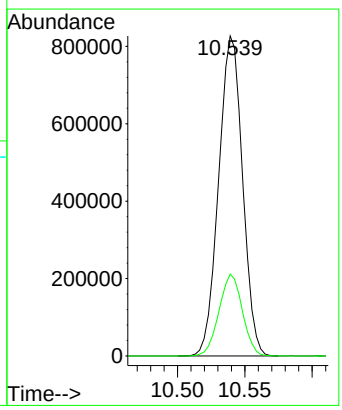
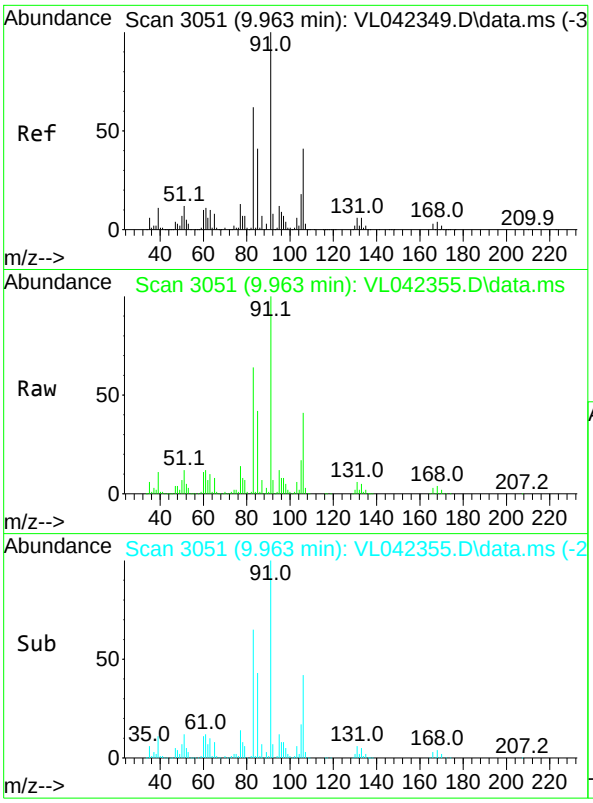


#62
Isopropylbenzene
Concen: 13.999 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 1018968

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8

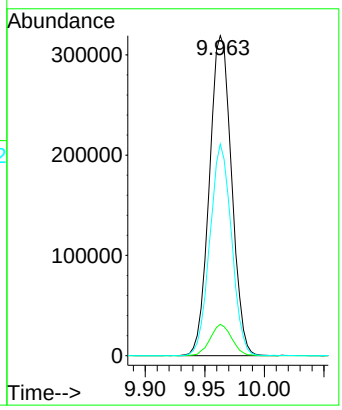




#63
1,1,2,2-Tetrachloroethane
Concen: 12.816 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 83 Resp: 41289

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.7
85	64.5	32.4	97.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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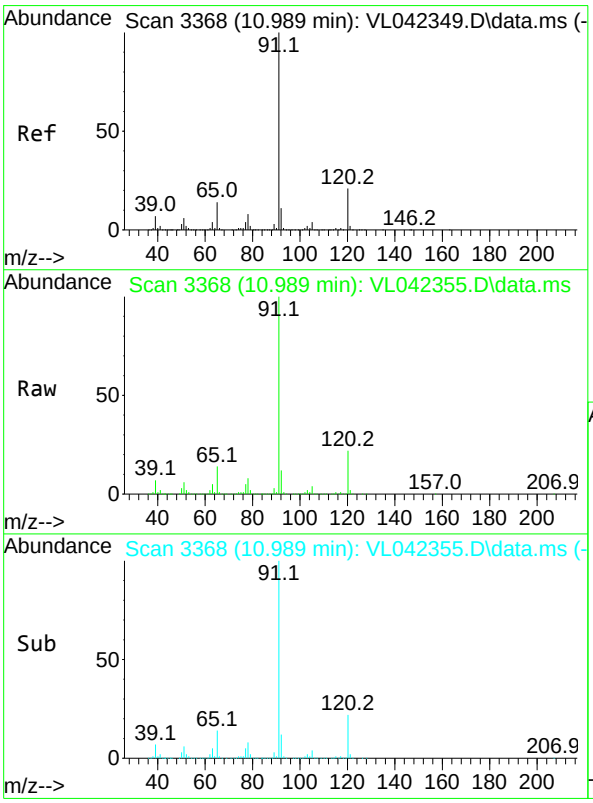
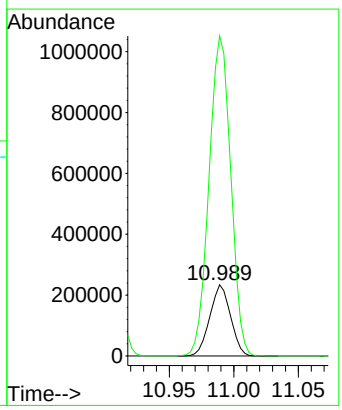
Supervised By :Mahesh Dadoda 04/18/2025

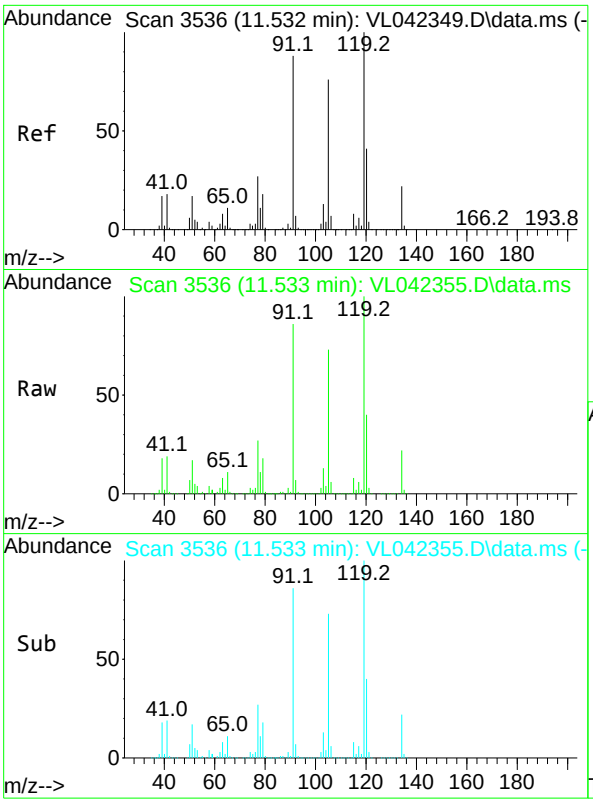


#64
n-propylbenzene
Concen: 14.255 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:120 Resp: 260812

Ion	Ratio	Lower	Upper
120	100		
91	473.2	392.4	588.6

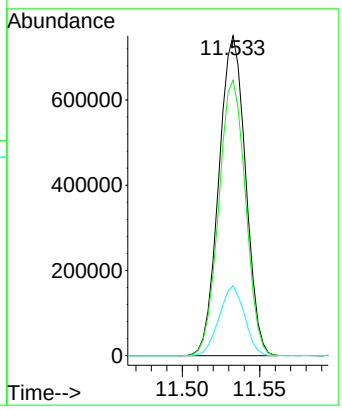




#65
tert-Butylbenzene
Concen: 13.449 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:119 Resp: 89972

Ion	Ratio	Lower	Upper
119	100		
91	86.2	74.6	111.8
134	20.8	18.8	28.2



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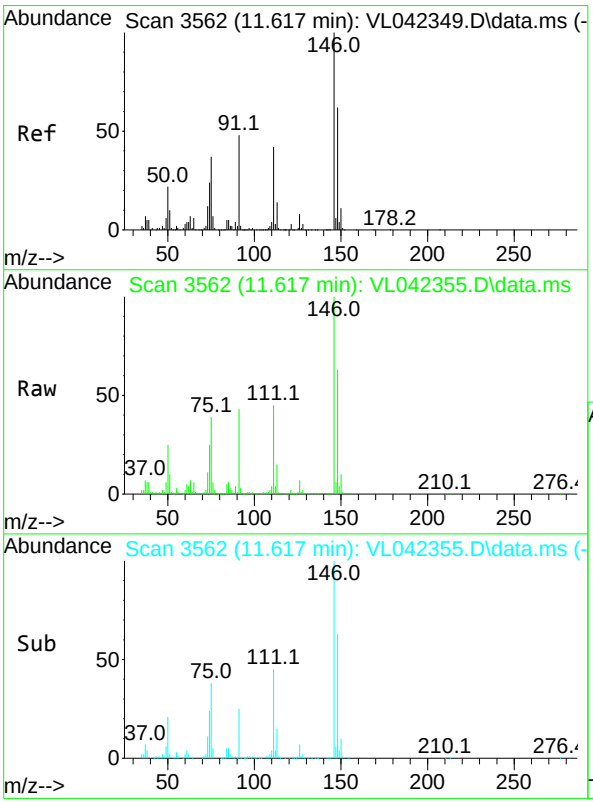
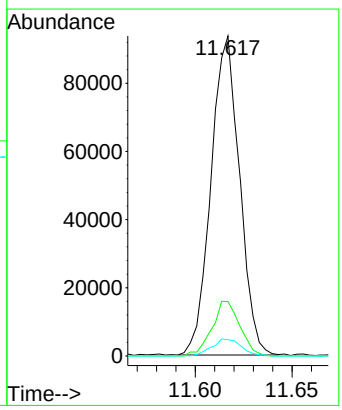
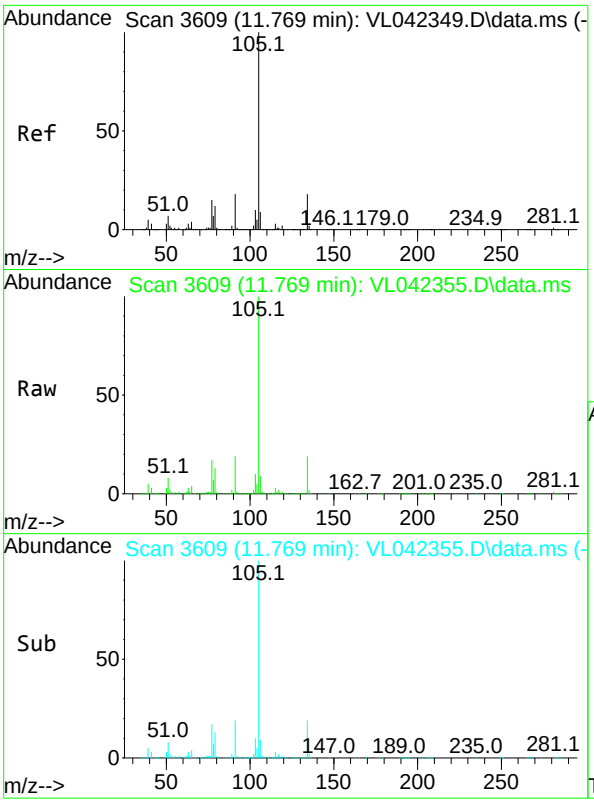


#66
Benzyl Chloride
Concen: 13.061 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 96016

Ion	Ratio	Lower	Upper
91	100		
126	16.8	11.8	17.6
128	5.5	4.5	6.7

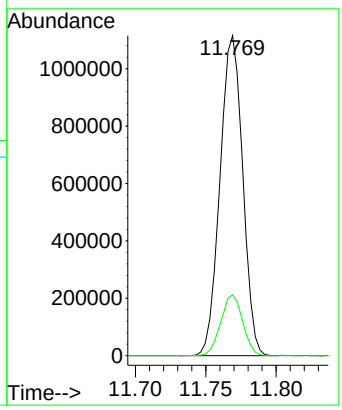




#67
sec-Butylbenzene
Concen: 13.468 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 125326

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	21.8



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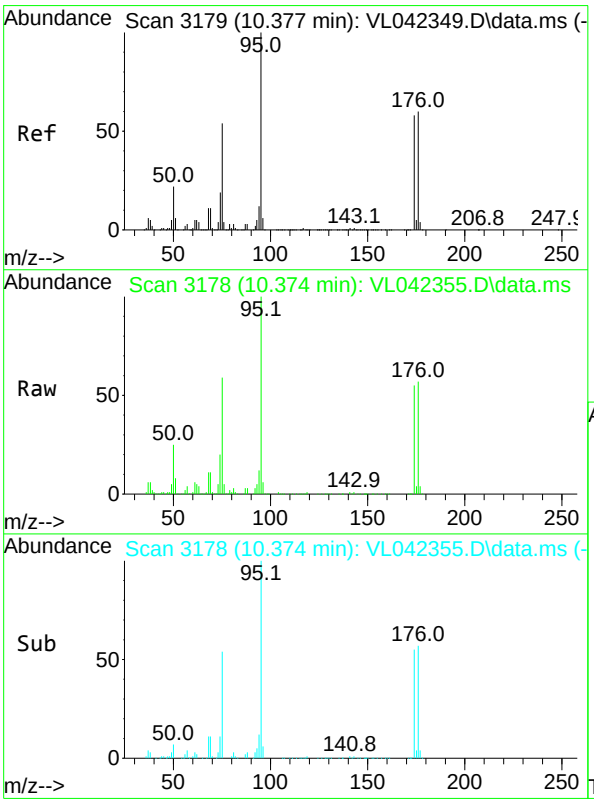
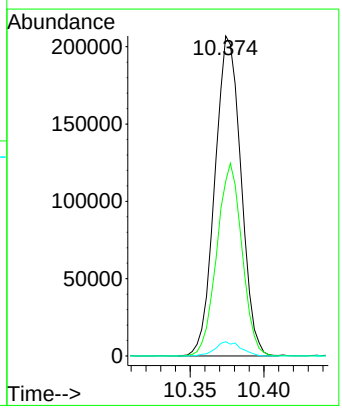
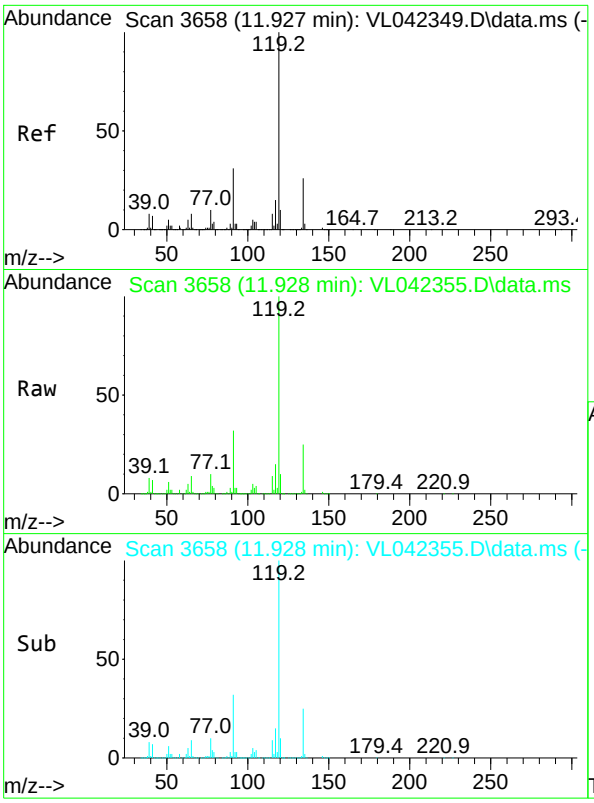


#68
1-Bromo-4-Fluorobenzene
Concen: 10.038 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 95 Resp: 254437

Ion	Ratio	Lower	Upper
95	100		
174	58.1	48.5	72.7
175	4.4	3.7	5.5

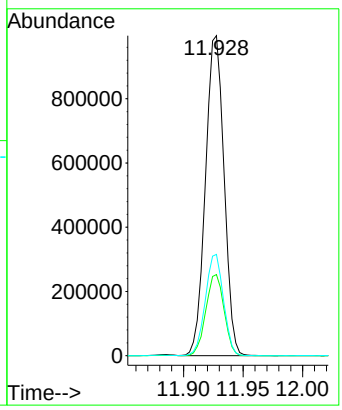




#69
p-Isopropyltoluene
Concen: 13.382 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:119 Resp: 108185

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.0	30.0
91	31.1	24.4	36.6



Instrument :
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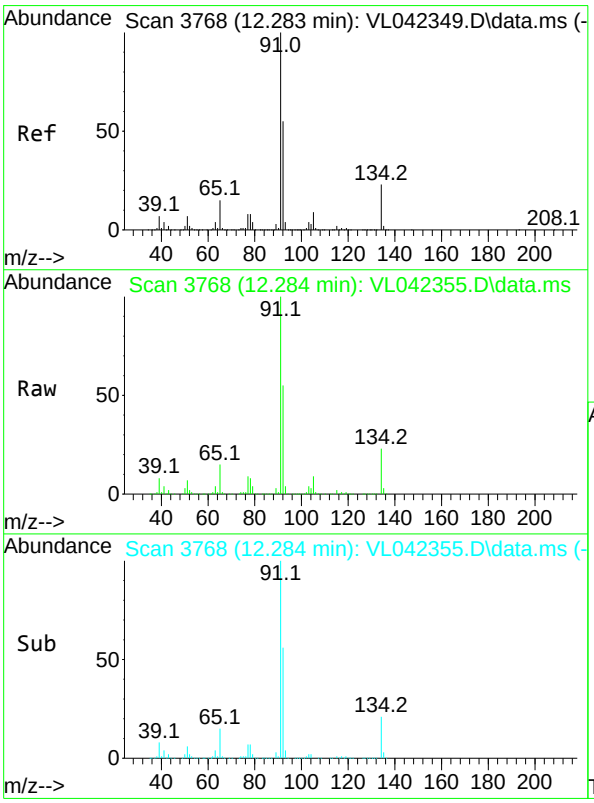
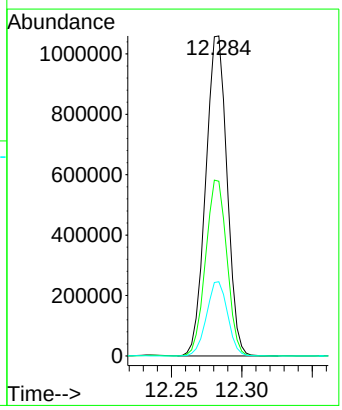
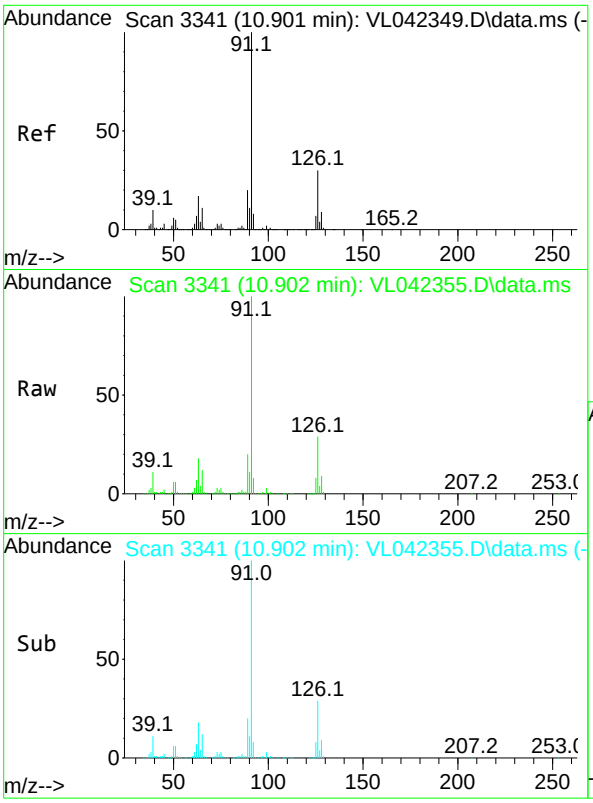


#70
n-Butylbenzene
Concen: 13.266 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 1117042

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	23.0	18.2	27.4

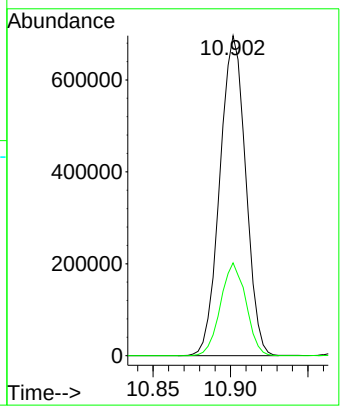




#71
2-Chlorotoluene
Concen: 14.131 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 80672

Ion	Ratio	Lower	Upper
91	100		
126	28.4	11.4	45.4



Instrument :
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ClientSampleId :
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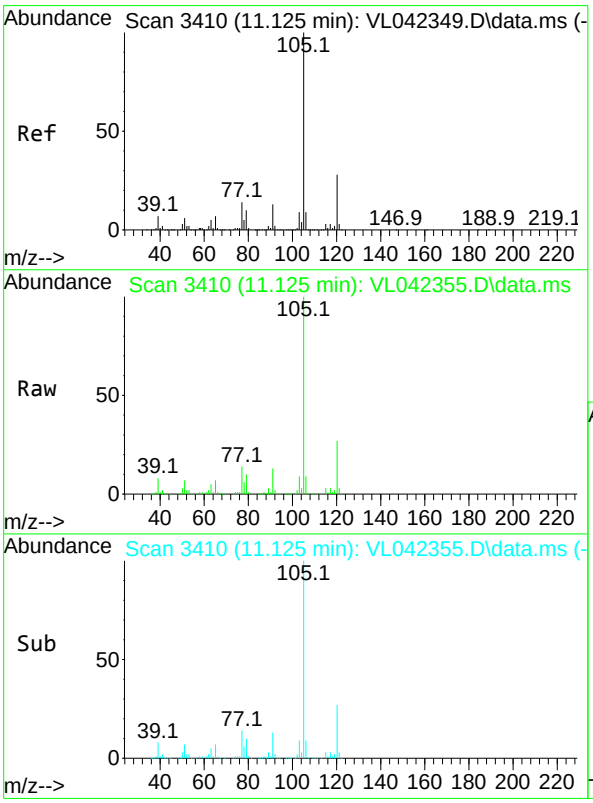
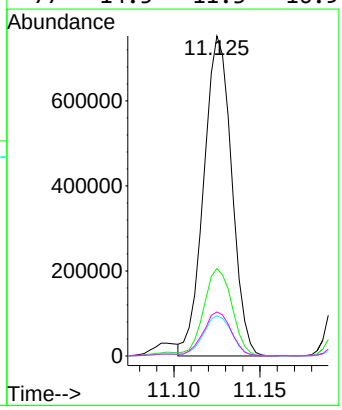
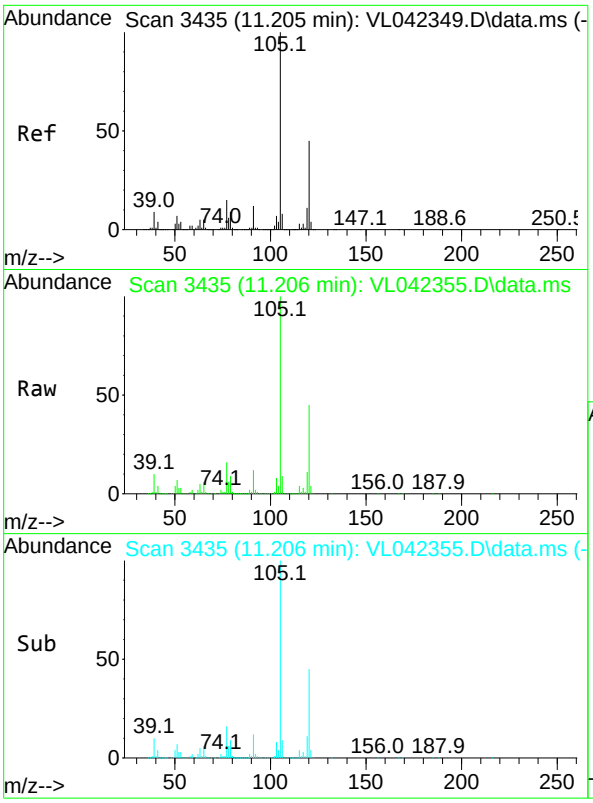


#72
4-Ethyltoluene
Concen: 13.992 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 848077

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.2	34.8
91	13.5	10.4	15.6
77	14.5	11.3	16.9

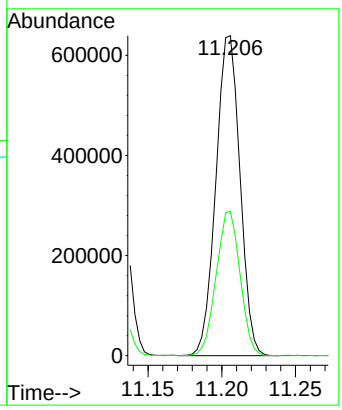




#73
1,3,5-Trimethylbenzene
Concen: 13.578 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 72655

Ion	Ratio	Lower	Upper
105	100		
120	45.1	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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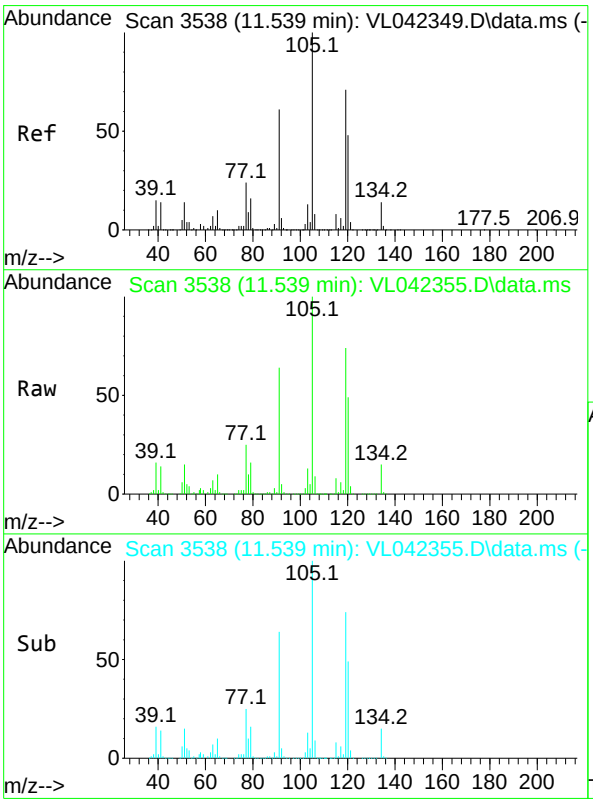
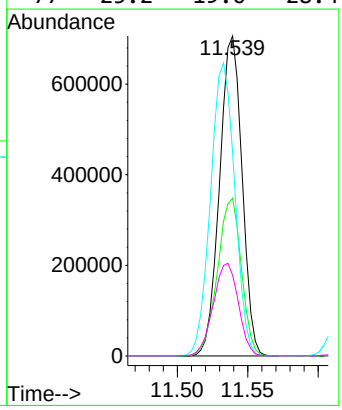
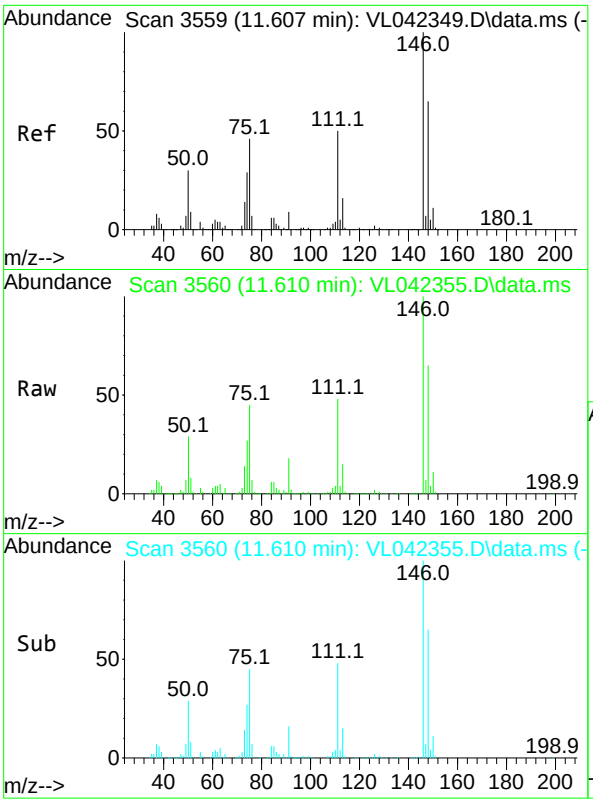


#74
1,2,4-Trimethylbenzene
Concen: 12.572 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 785772

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.1	57.1
91	63.7	48.8	73.2
77	25.2	19.0	28.4

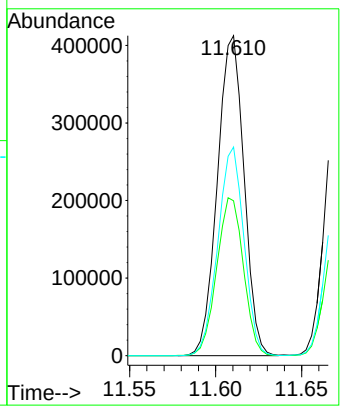




#75
1,3-Dichlorobenzene
Concen: 13.670 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:146 Resp: 44408

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.3	72.8
148	63.9	31.6	94.8



Instrument :
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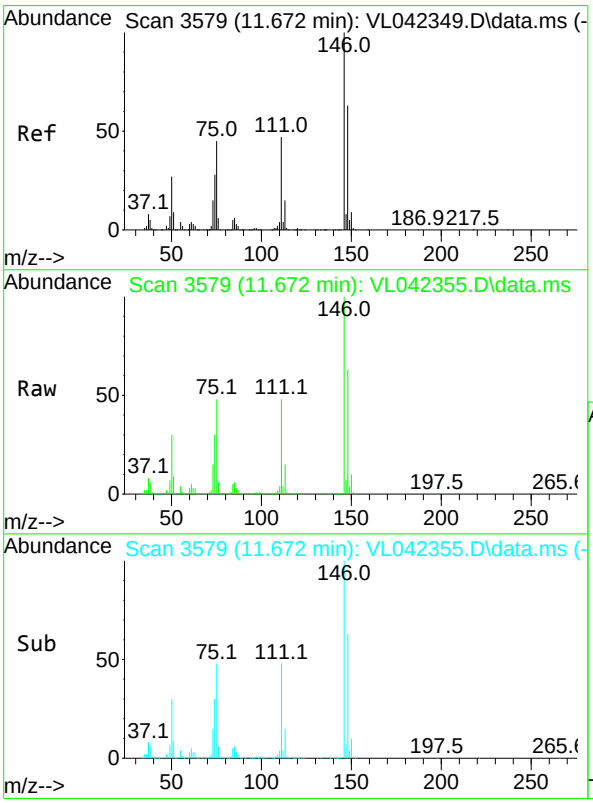
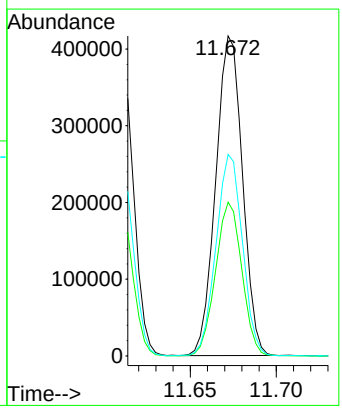
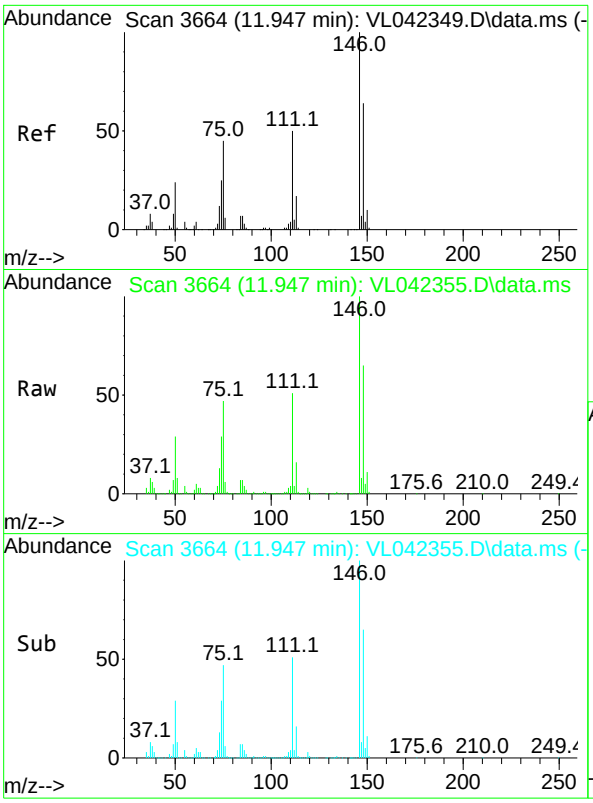


#76
1,4-Dichlorobenzene
Concen: 13.802 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:146 Resp: 450662

Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.2	72.6
148	62.6	32.1	96.5

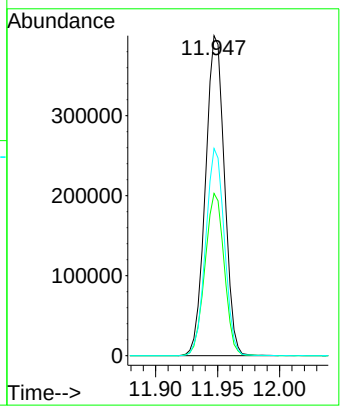




#77
1,2-Dichlorobenzene
Concen: 13.529 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:146 Resp: 42737

Ion	Ratio	Lower	Upper
146	100		
111	51.3	25.3	75.9
148	63.8	31.5	94.5



Instrument :
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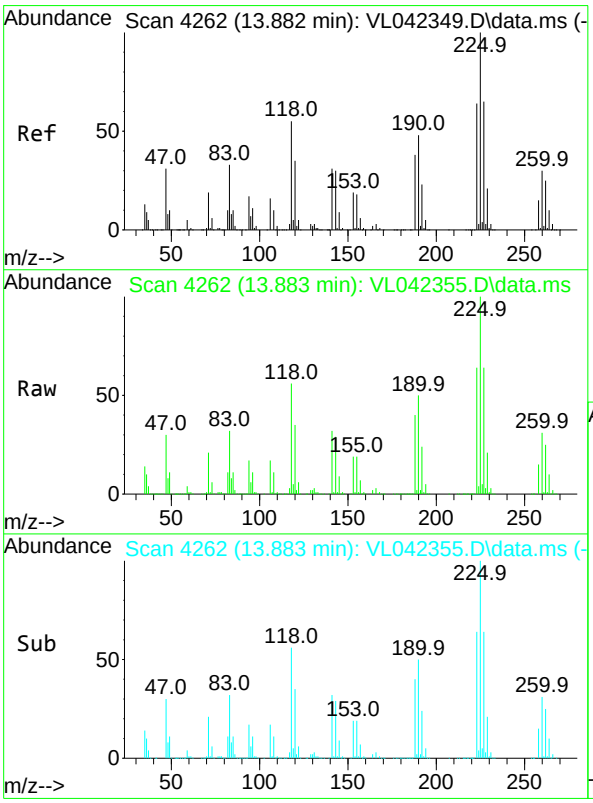
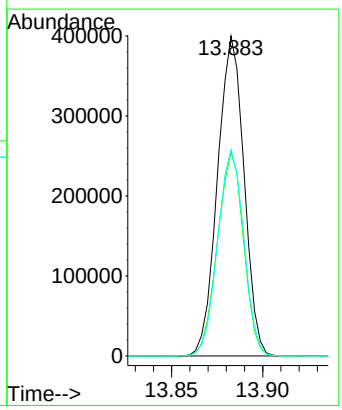
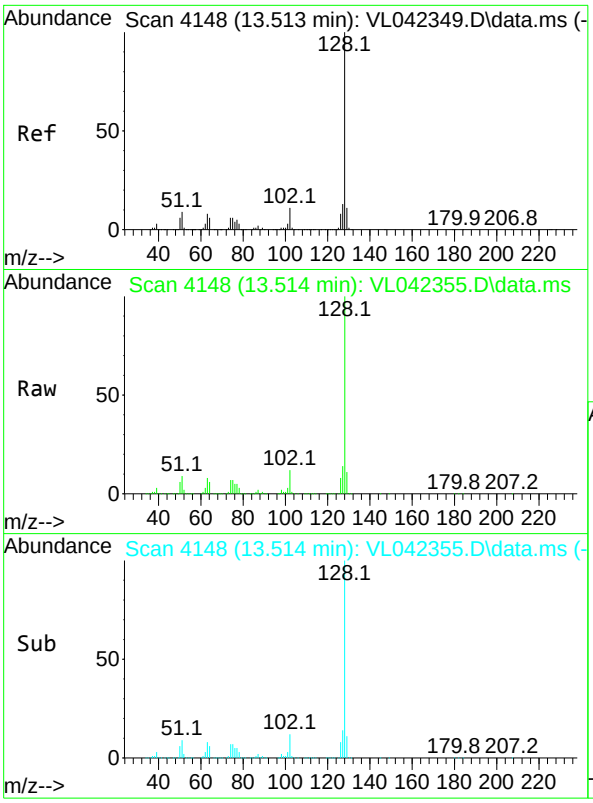


#78
Hexachloro-1,3-Butadiene
Concen: 12.679 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:225 Resp: 404441

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.8	51.5	77.3

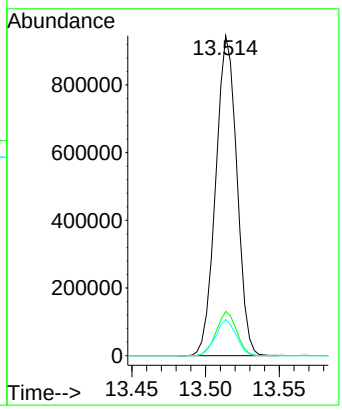




#79
Naphthalene
Concen: 12.632 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:128 Resp: 94408

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.3	8.6	12.8



Instrument :
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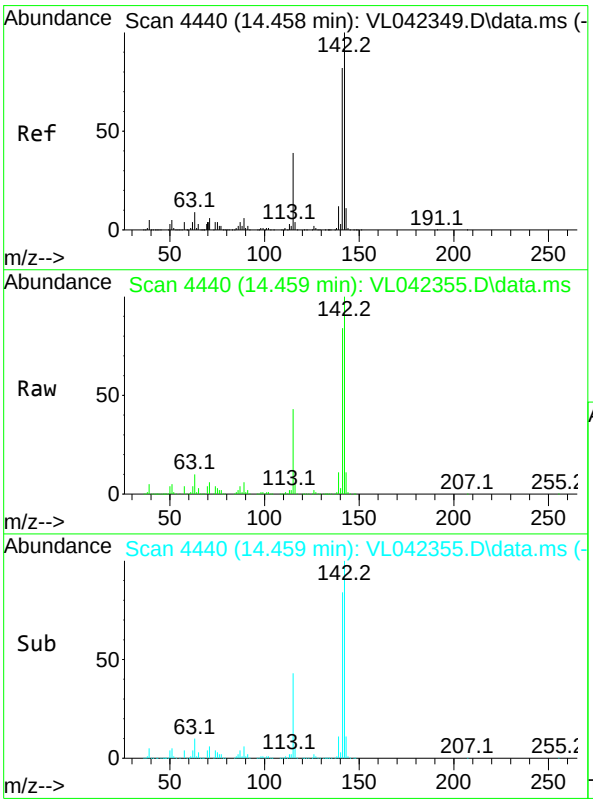
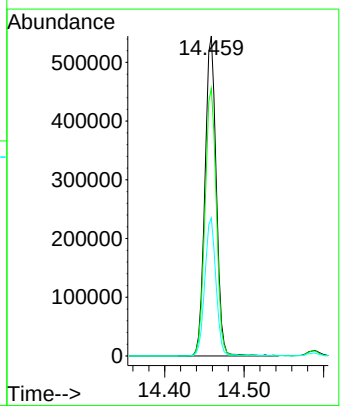
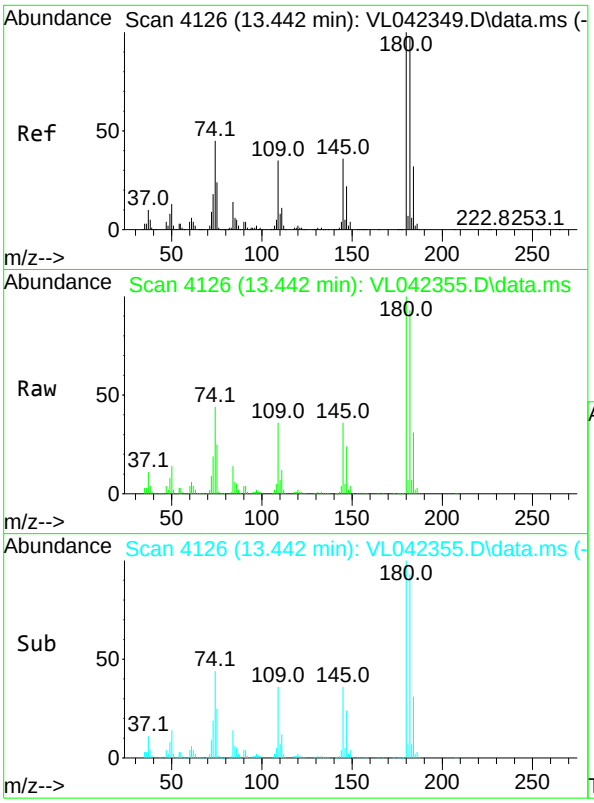


#80
Naphthalene,2-methyl-
Concen: 12.686 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:142 Resp: 540339

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.8	100.2
115	43.0	33.4	50.2

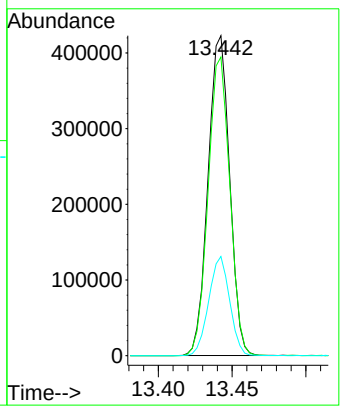




#81
1,2,4-Trichlorobenzene
Concen: 13.398 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:180 Resp: 42998

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.8	115.2
184	30.2	24.6	36.8



Instrument :
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ClientSampleId :
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Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	113992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	324528	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	305357	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250149	9.969	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197623	9.812	ppbv	100
3) Chlorodifluoromethane	1.476	51	191010	9.960	ppbv	99
4) Chloromethane	1.531	50	78080	9.796	ppbv	98
5) Vinyl Chloride	1.580	62	75628	8.717	ppbv	97
6) Bromomethane	1.667	94	35115	9.422	ppbv	84
7) Chloroethane	1.703	64	30158	9.612	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	172863	9.997	ppbv	98
9) Propene	1.482	41	84636	9.690	ppbv	95
10) Heptane	4.978	43	221840	9.041	ppbv	98
11) Trichlorofluoromethane	1.877	101	187827	9.807	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	148485	9.482	ppbv	100
13) Ethanol	1.722	45	4171	3.005	ppbv	97
14) Bromoethene	1.780	108	58320	9.880	ppbv	99
15) Acetone	1.835	43	158708	8.505	ppbv	100
16) 1,3-Butadiene	1.609	39	78804	8.829	ppbv	95
17) tert-Butyl alcohol	2.039	59	218954	9.468	ppbv	99
18) 1,1-Dichloroethene	2.033	96	67940	9.287	ppbv	94
19) Isopropyl Alcohol	1.887	45	96365	9.296	ppbv	95
20) Methylene Chloride	2.062	84	59203	8.101	ppbv	91
21) Allyl Chloride	2.094	41	120704	9.368	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	78070	9.373	ppbv	99
23) Vinyl Acetate	2.463	43	73373	9.714	ppbv	99
24) 1,1-Dichloroethane	2.408	63	155571	9.832	ppbv	100
25) Ethyl Acetate	2.835	43	449014	9.759	ppbv	99
26) Hexane	2.826	57	175752	9.439	ppbv	98
27) Carbon Disulfide	2.149	76	191117	9.587	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	115190	9.442	ppbv	94
29) Chloroform	2.848	83	260855	9.912	ppbv	98
30) Cyclohexane	3.855	84	148246	9.849	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	179993	10.167	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	276599	9.336	ppbv	98
34) 2-Butanone	2.557	43	248969	9.700	ppbv	99
35) Carbon Tetrachloride	3.764	117	271862	9.256	ppbv	98
36) Benzene	3.657	78	350545	10.014	ppbv	99
37) 1,2-Dichloroethane	3.217	62	211790	10.081	ppbv	99
38) Trichloroethene	4.551	130	139872	9.143	ppbv	96
39) 1,2-Dichloropropane	4.315	63	129239	9.908	ppbv	99
40) 1,4-Dioxane	4.583	88	61587	8.591	ppbv #	96
41) Tetrahydrofuran	3.052	42	141861	9.479	ppbv	99
42) Bromodichloromethane	4.489	83	296946	10.156	ppbv	96
43) Methyl Methacrylate	4.878	69	149209	9.458	ppbv	96
44) 2,2,4-Trimethylpentane	4.641	57	606376	10.030	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	160750	9.975	ppbv	99

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Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.599	75	200144	10.148	ppbv		88
47)	1,1,2-Trichloroethane	6.583	97	135575	10.202	ppbv		95
48)	Dibromochloromethane	7.389	129	237206	10.103	ppbv		100
49)	Bromoform	9.483	173	205630	10.016	ppbv		99
50)	4-Methyl-2-Pentanone	5.748	43	376145	8.819	ppbv		99
51)	2-Hexanone	7.435	43	310521	8.118	ppbv	#	99
52)	Tetrachloroethene	8.224	164	119424	8.827	ppbv		94
53)	Toluene	6.933	91	419462	9.986	ppbv		99
54)	1,2-Dibromoethane	7.652	107	186231	9.792	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.927	131	182712	9.886	ppbv		97
57)	Chlorobenzene	8.920	112	304533	9.589	ppbv		96
58)	Ethyl Benzene	9.354	91	583515	9.645	ppbv		99
59)	m/p-Xylene	9.532	91	932801m	19.139	ppbv		
60)	o-Xylene	9.966	91	464522	9.465	ppbv		99
61)	Styrene	9.872	104	229869	9.813	ppbv		98
62)	Isopropylbenzene	10.539	105	685965	9.520	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.962	83	279007	8.773	ppbv		100
64)	n-propylbenzene	10.992	120	172654	9.533	ppbv		99
65)	tert-Butylbenzene	11.532	119	609500	9.203	ppbv		93
66)	Benzyl Chloride	11.613	91	63051	8.664	ppbv		95
67)	sec-Butylbenzene	11.769	105	853807	9.268	ppbv		99
69)	p-Isopropyltoluene	11.927	119	737861	9.220	ppbv		99
70)	n-Butylbenzene	12.283	91	771461	9.255	ppbv		100
71)	2-Chlorotoluene	10.901	91	543794	9.622	ppbv		98
72)	4-Ethyltoluene	11.124	105	563136	9.385	ppbv		100
73)	1,3,5-Trimethylbenzene	11.205	105	486583	9.186	ppbv		99
74)	1,2,4-Trimethylbenzene	11.539	105	531576	8.592	ppbv		97
75)	1,3-Dichlorobenzene	11.610	146	297157	9.240	ppbv		99
76)	1,4-Dichlorobenzene	11.671	146	297697	9.210	ppbv		98
77)	1,2-Dichlorobenzene	11.950	146	289284	9.251	ppbv		100
78)	Hexachloro-1,3-Butadiene	13.882	225	276960	8.771	ppbv		100
79)	Naphthalene	13.513	128	647349	8.750	ppbv		99
80)	Naphthalene,2-methyl-	14.458	142	350259	8.307	ppbv		99
81)	1,2,4-Trichlorobenzene	13.442	180	290260	9.136	ppbv		99

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
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Instrument :
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ClientSampleId :
ICVVL041725

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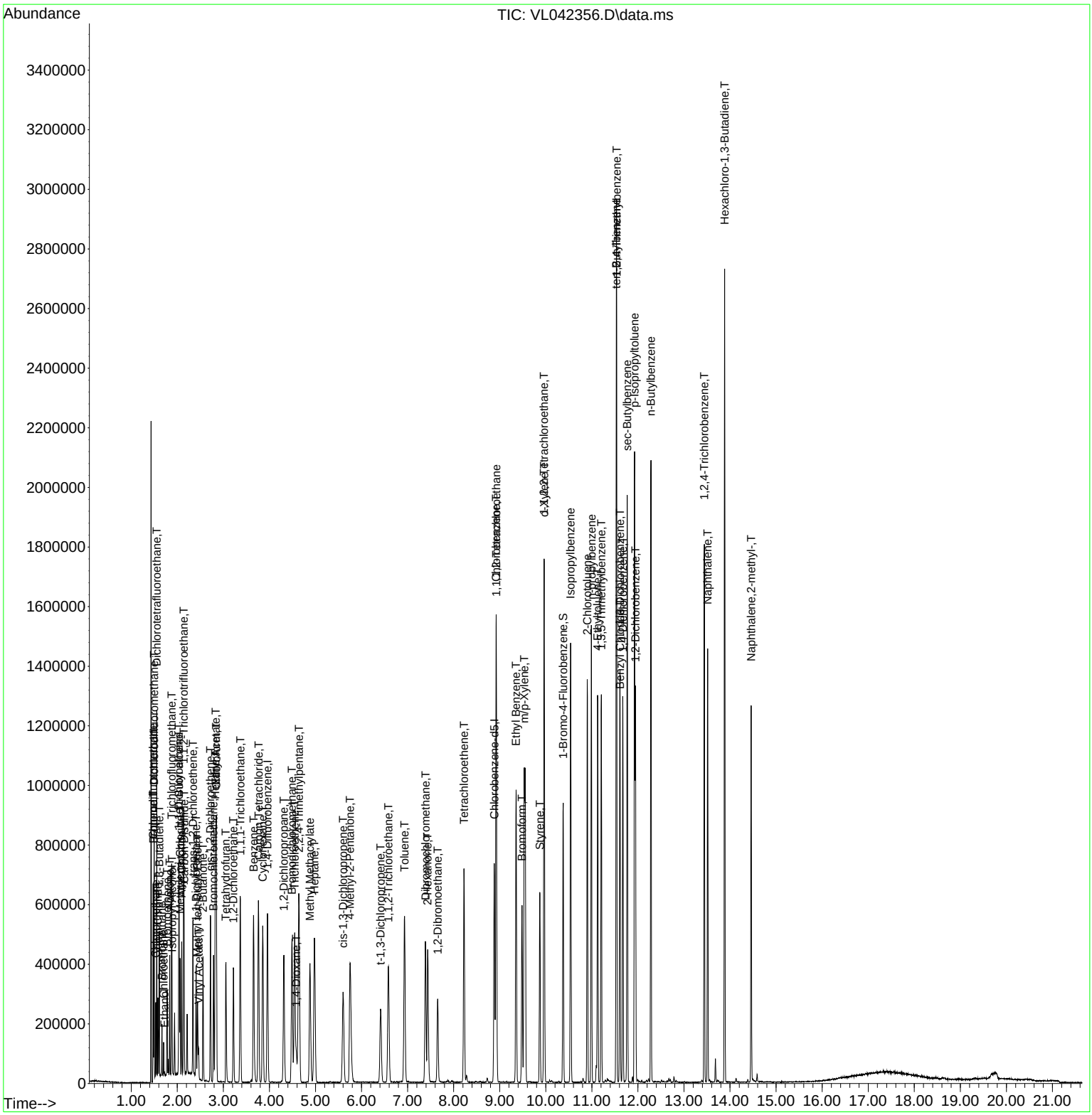
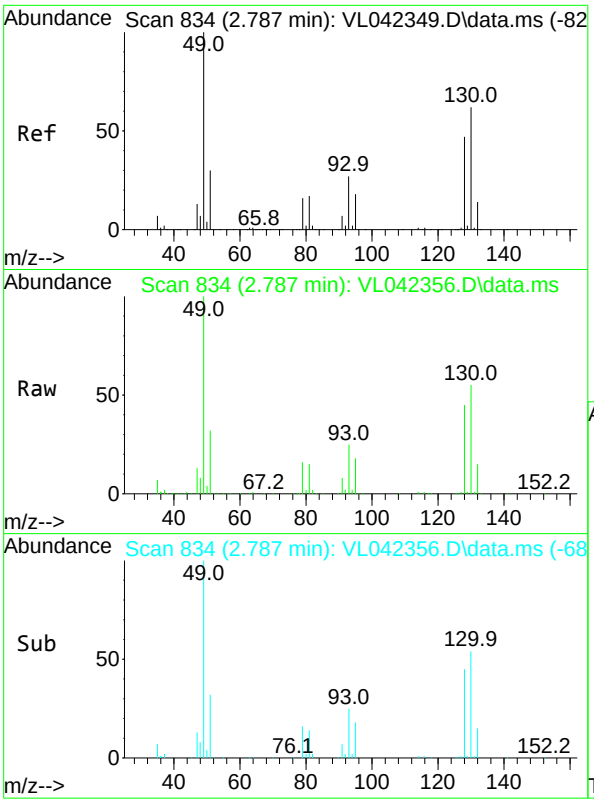
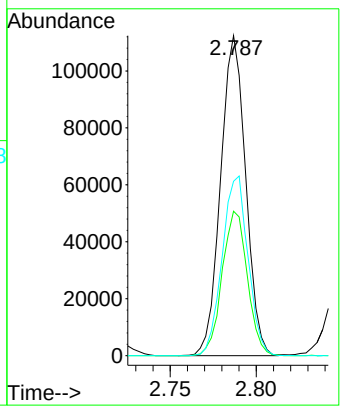




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 49 Resp: 11399

Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.8	68.4
130	57.8	29.3	88.0



Instrument :
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ClientSampleId :
ICVVL041725

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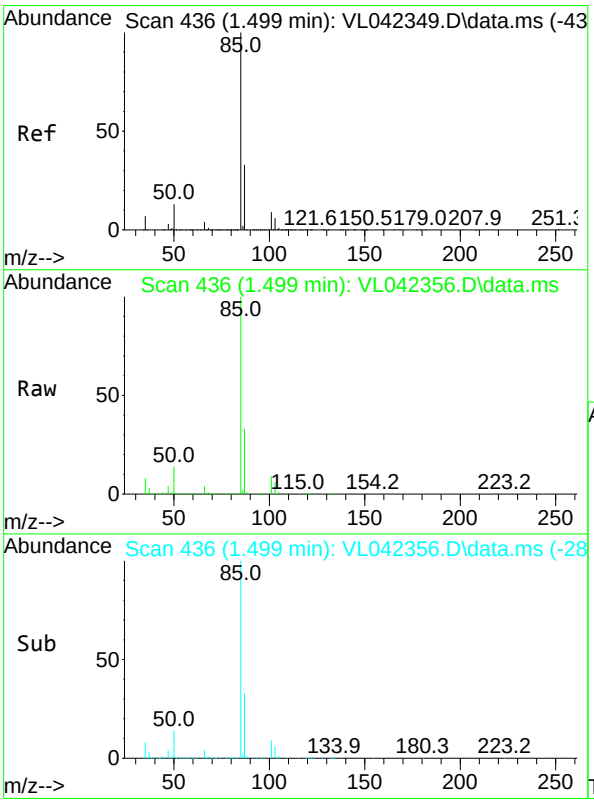
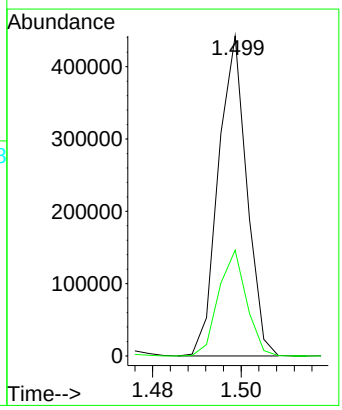
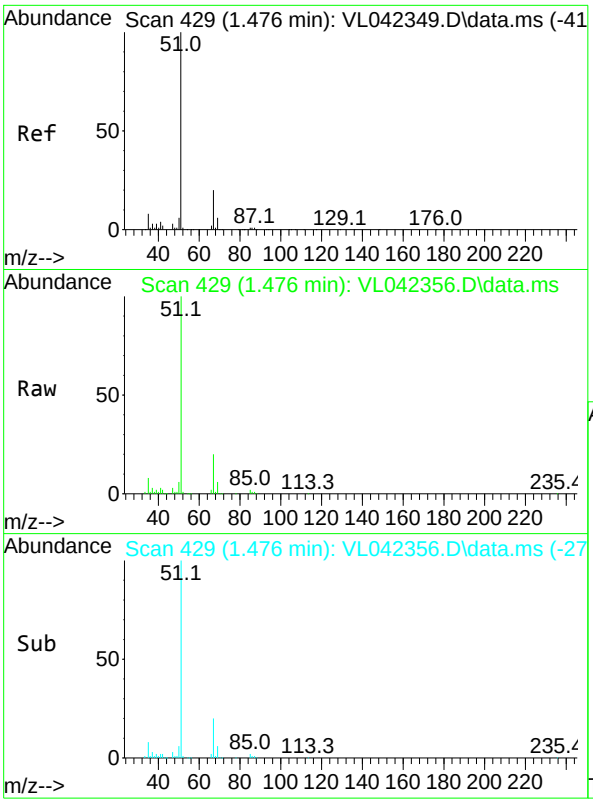


#2
Dichlorodifluoromethane
Concen: 9.812 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 85 Resp: 197623

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.6	39.8

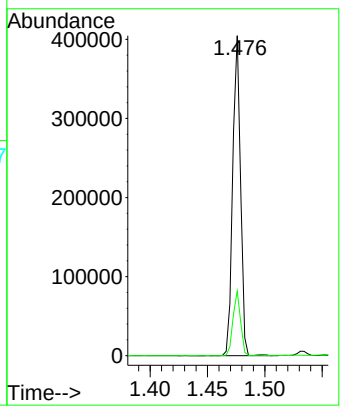




#3
Chlorodifluoromethane
Concen: 9.960 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 51 Resp: 19101

Ion	Ratio	Lower	Upper
51	100		
67	19.6	16.2	24.4



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ClientSampleId :
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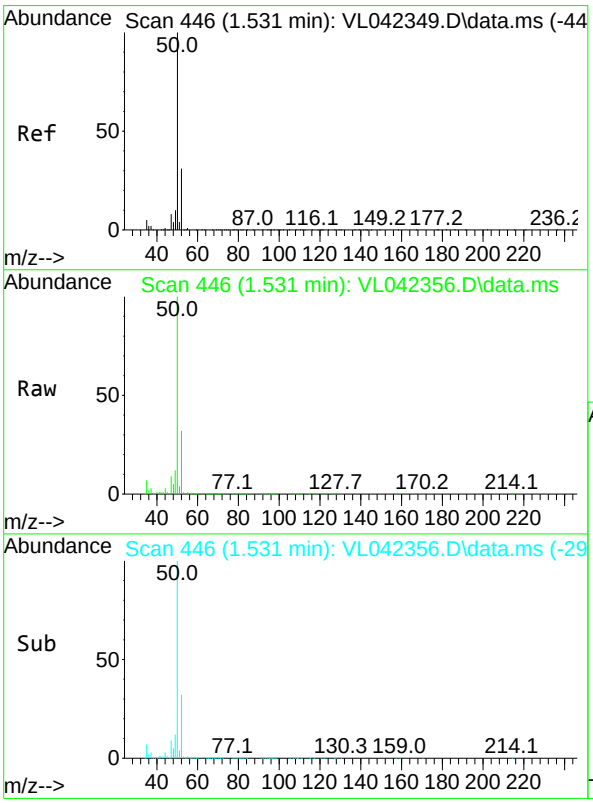
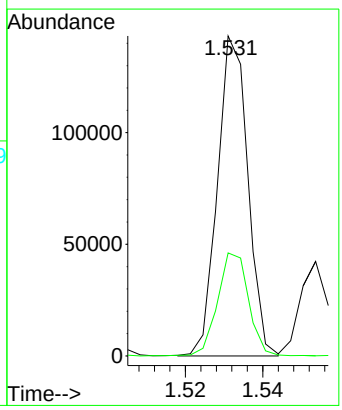
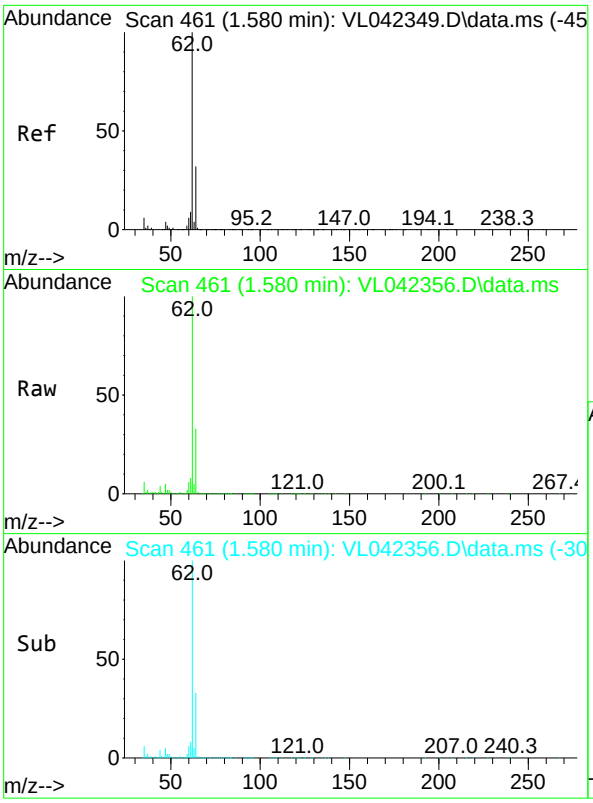


#4
Chloromethane
Concen: 9.796 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 50 Resp: 78080

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.7	37.1

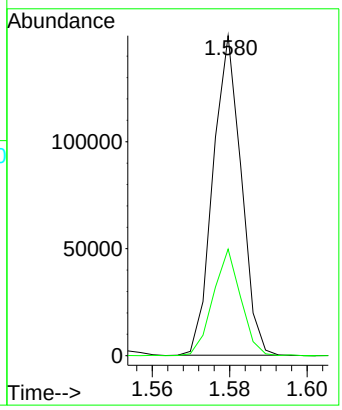




#5
Vinyl Chloride
Concen: 8.717 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 62 Resp: 7562

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.4	38.0



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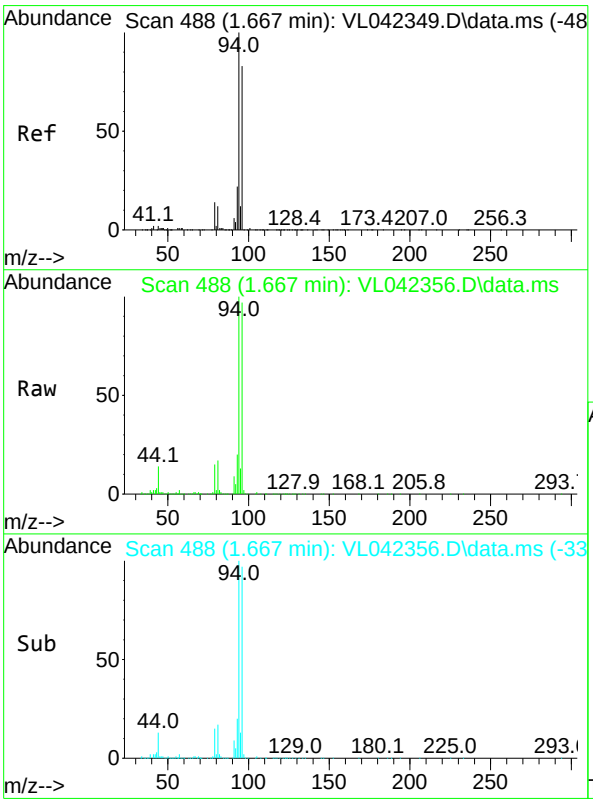
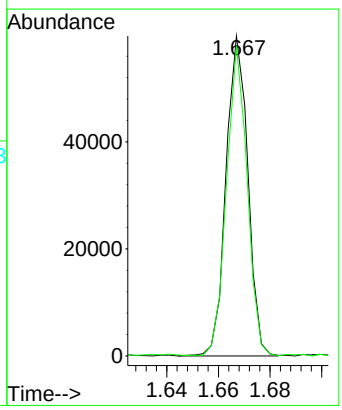
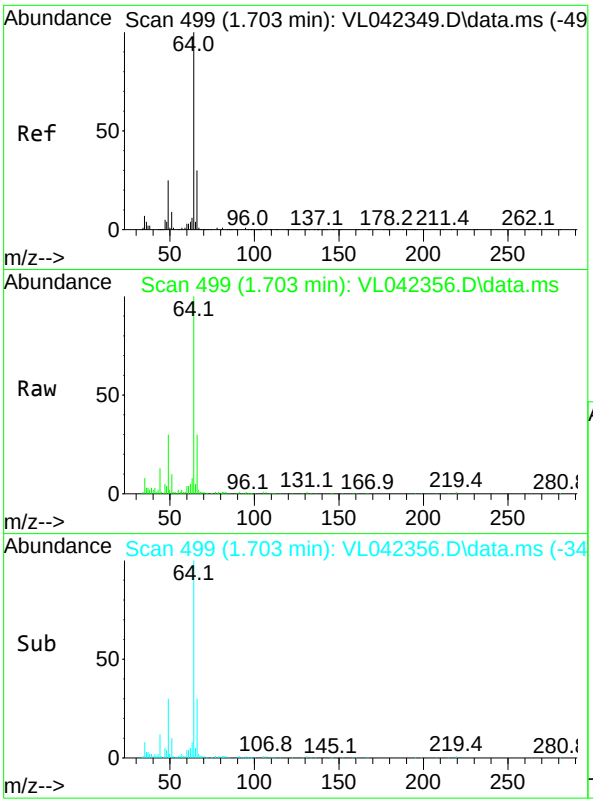


#6
Bromomethane
Concen: 9.422 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 94 Resp: 35115

Ion	Ratio	Lower	Upper
94	100		
96	96.8	66.2	99.2

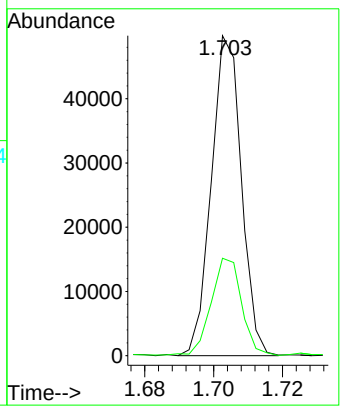




#7
Chloroethane
Concen: 9.612 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 64 Resp: 3015

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	37.0



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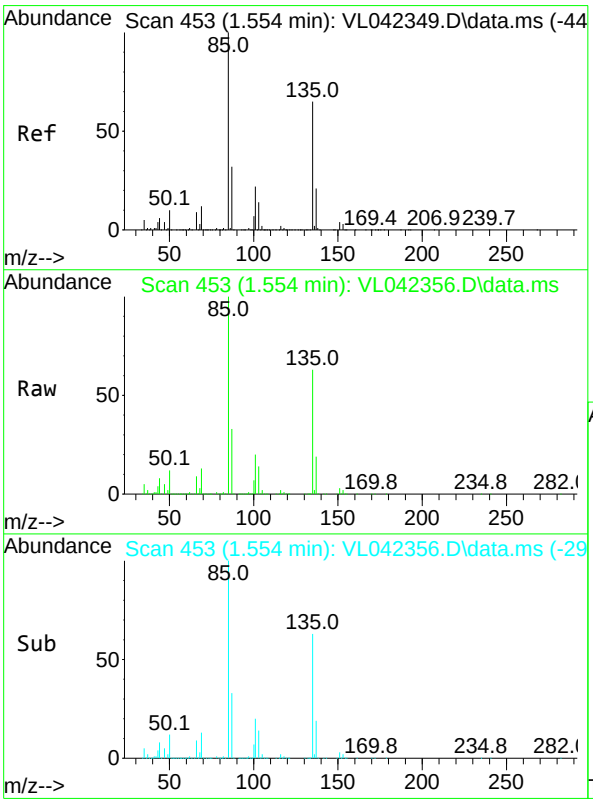
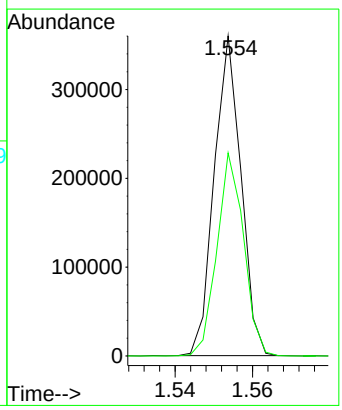
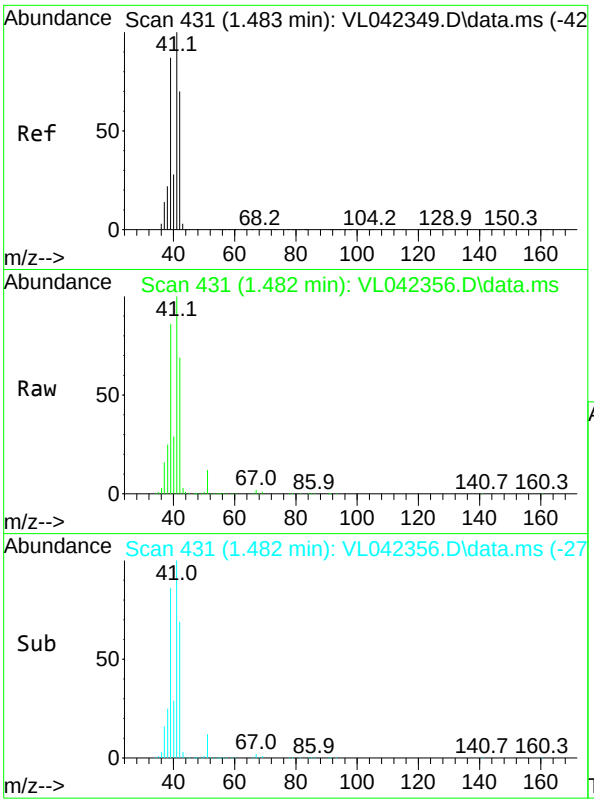


#8
Dichlorotetrafluoroethane
Concen: 9.997 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 85 Resp: 172863

Ion	Ratio	Lower	Upper
85	100		
135	63.5	52.2	78.2

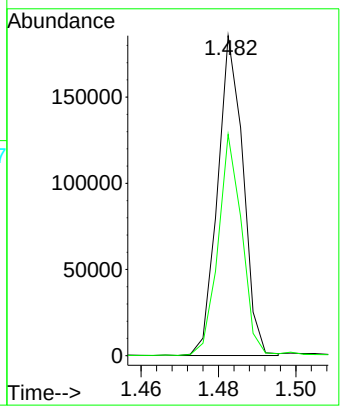




#9
Propene
Concen: 9.690 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 41 Resp: 8463

Ion	Ratio	Lower	Upper
41	100		
42	65.8	56.2	84.4



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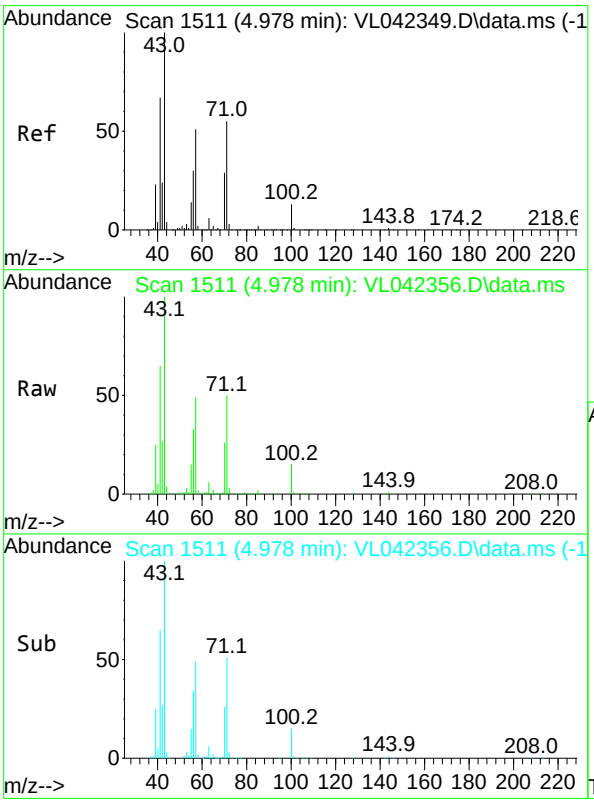
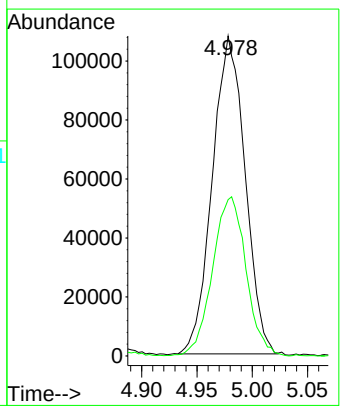
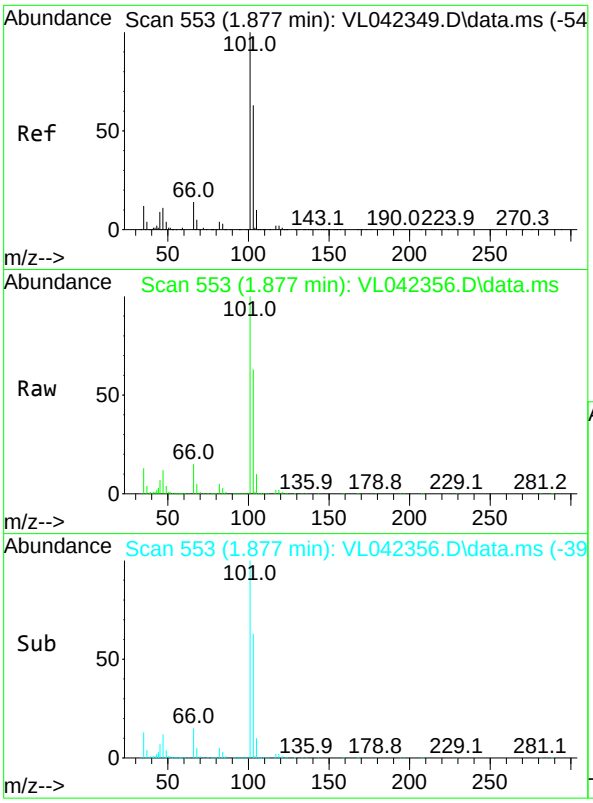


#10
Heptane
Concen: 9.041 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 221840

Ion	Ratio	Lower	Upper
43	100		
57	51.4	39.9	59.9

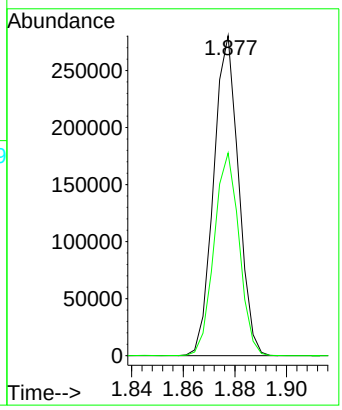




#11
Trichlorofluoromethane
Concen: 9.807 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:101 Resp: 18782

Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.1	75.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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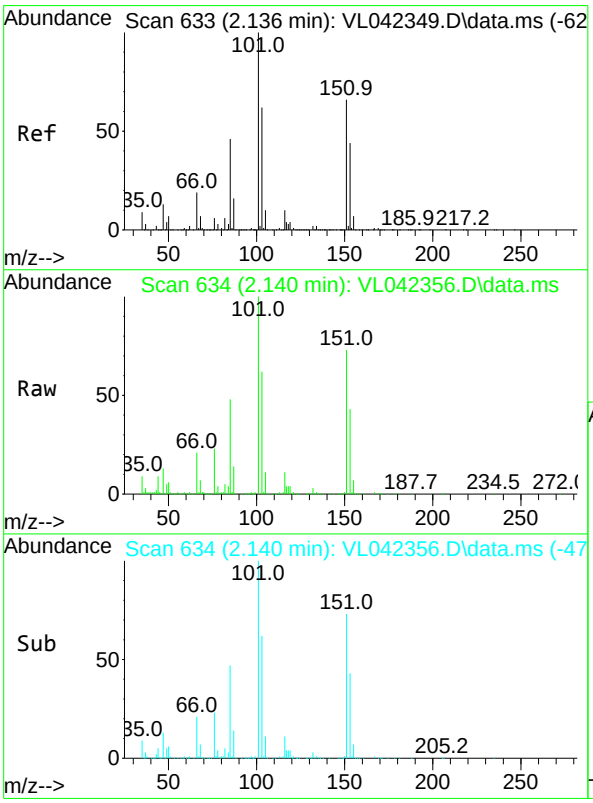
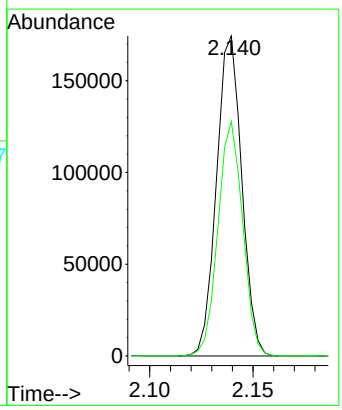
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

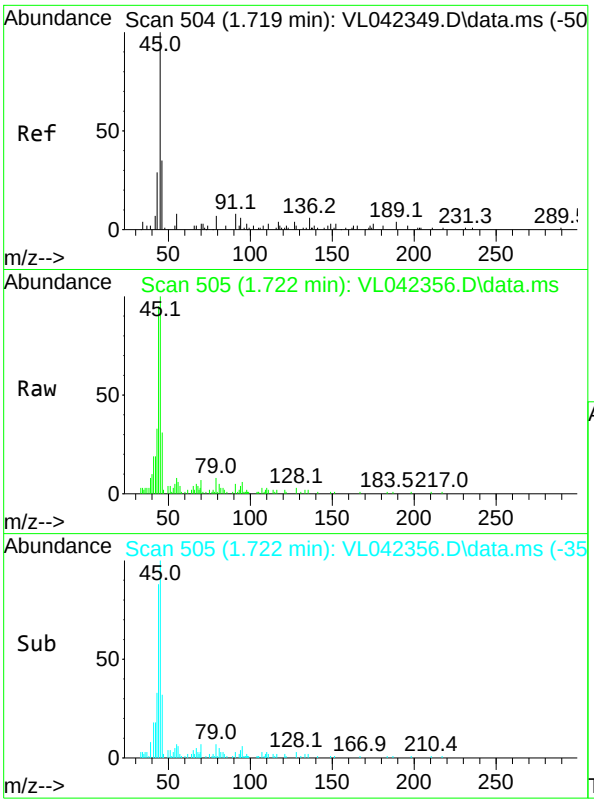


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.482 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:101 Resp: 148485

Ion	Ratio	Lower	Upper
101	100		
151	71.7	57.0	85.6

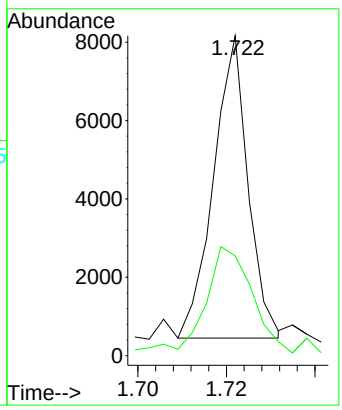




#13
Ethanol
Concen: 3.005 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 45 Resp: 417

Ion	Ratio	Lower	Upper
45	100		
46	57.0	21.9	87.7



Instrument :
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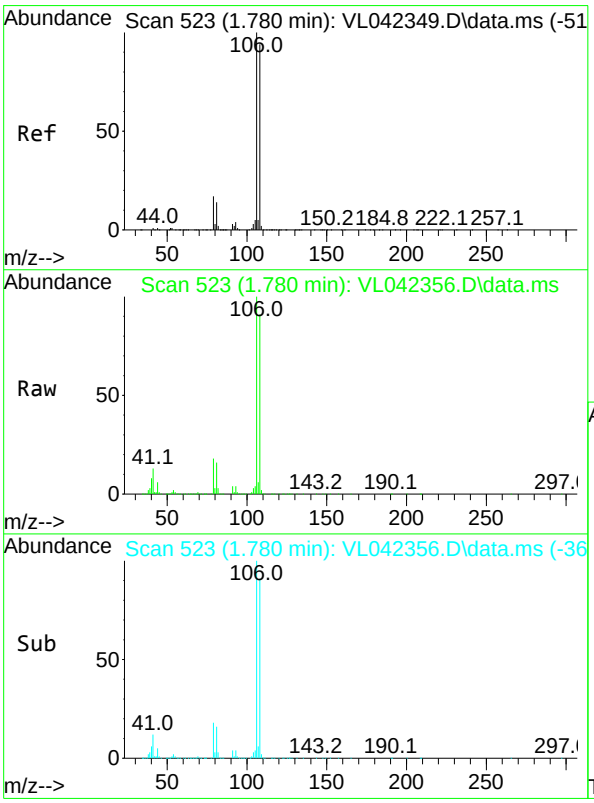
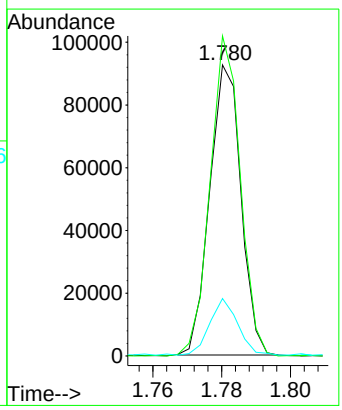
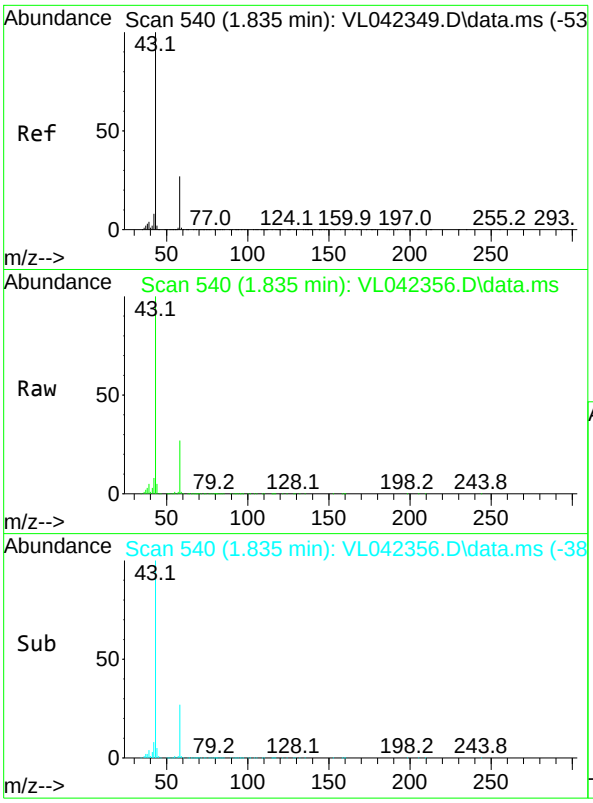


#14
Bromoethene
Concen: 9.880 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:108 Resp: 58320

Ion	Ratio	Lower	Upper
108	100		
106	107.1	85.9	128.9
79	18.4	13.9	20.9

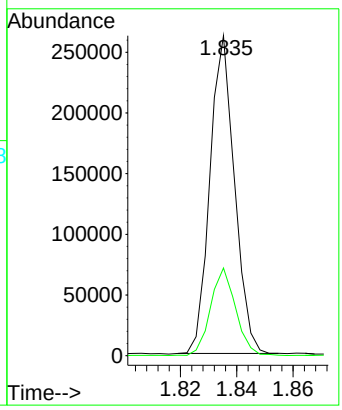




#15
Acetone
Concen: 8.505 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 15870

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6



Instrument :
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ClientSampleId :
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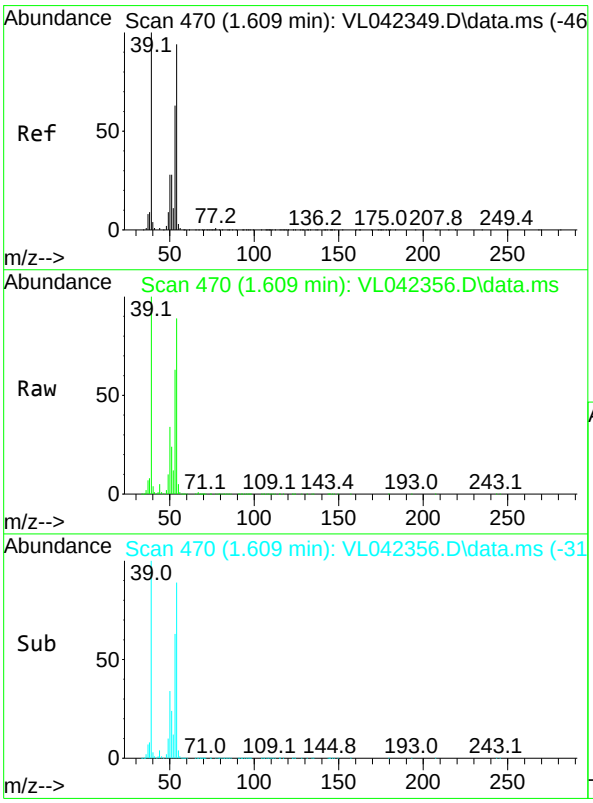
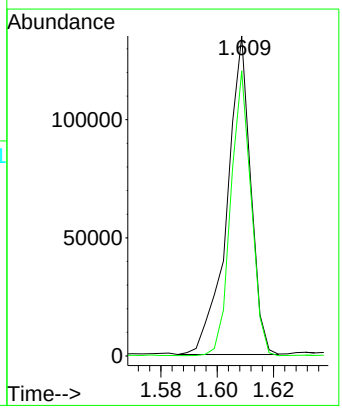
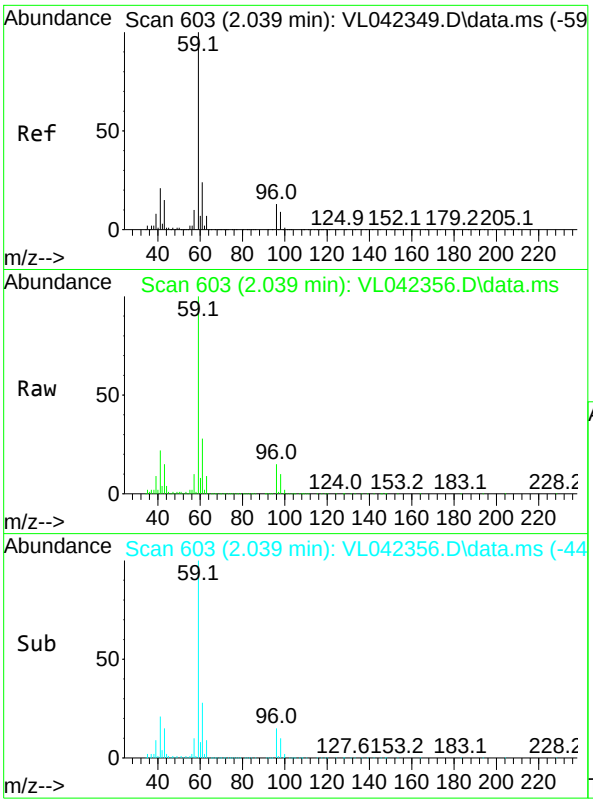


#16
1,3-Butadiene
Concen: 8.829 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 39 Resp: 78804

Ion	Ratio	Lower	Upper
39	100		
54	77.1	64.9	97.3

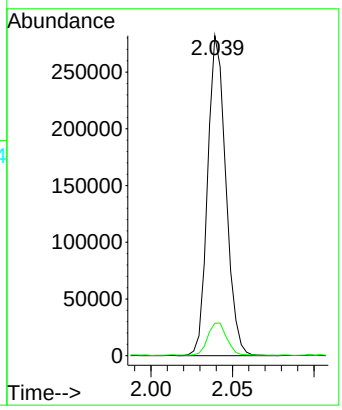




#17
tert-Butyl alcohol
Concen: 9.468 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 59 Resp: 21895

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
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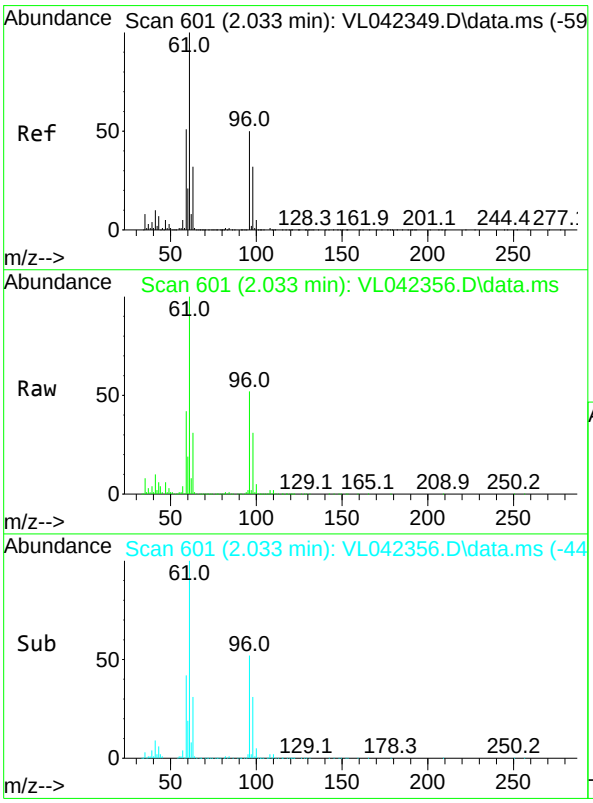
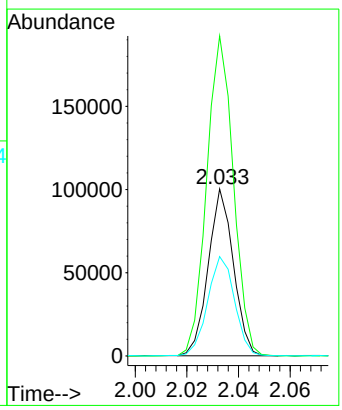
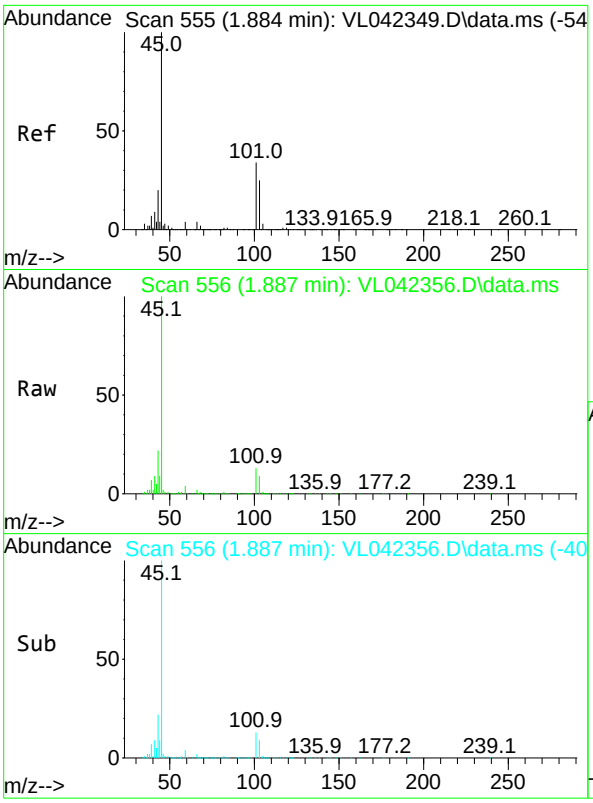


#18
1,1-Dichloroethene
Concen: 9.287 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 96 Resp: 67940

Ion	Ratio	Lower	Upper
96	100		
61	191.6	160.2	240.2
98	59.4	51.0	76.4

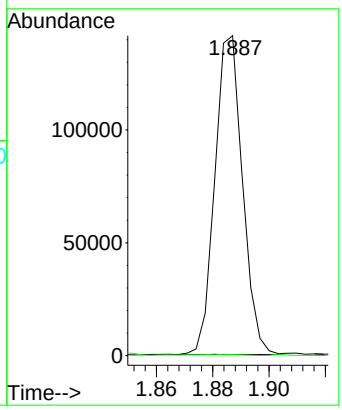




#19
Isopropyl Alcohol
Concen: 9.296 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 45 Resp: 9636

Ion	Ratio	Lower	Upper
45	100		
58	46.1	34.5	51.7



Instrument :
MSVOA_L
ClientSampleId :
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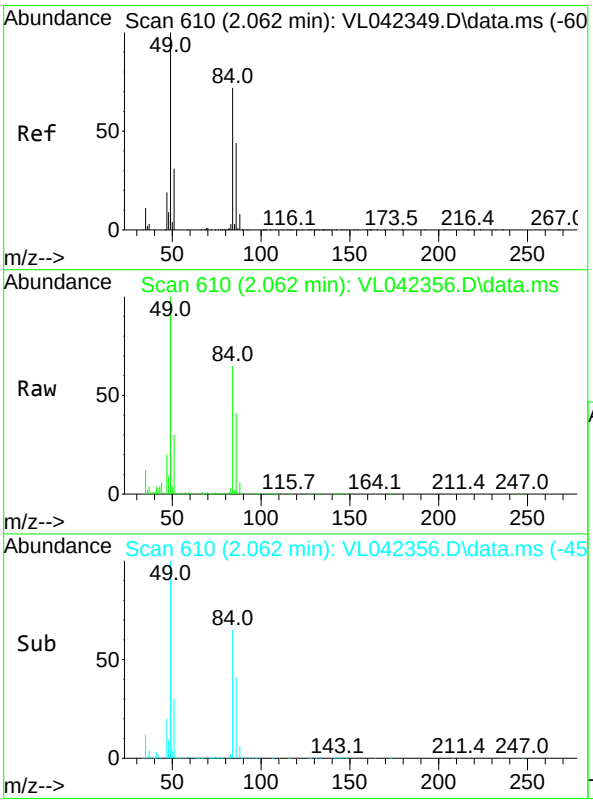
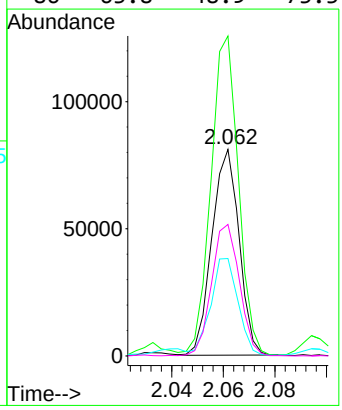
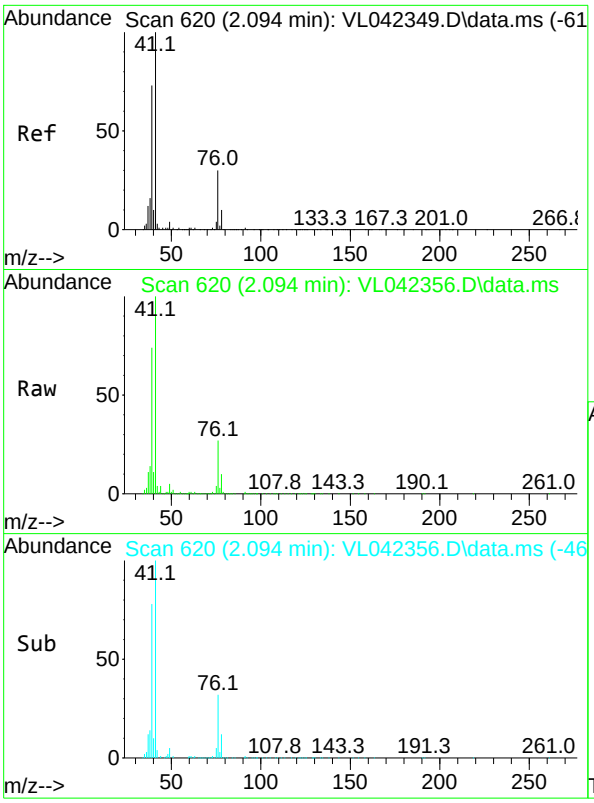


#20
Methylene Chloride
Concen: 8.101 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 84 Resp: 59203

Ion	Ratio	Lower	Upper
84	100		
49	155.3	111.6	167.4
51	47.0	35.1	52.7
86	63.8	48.9	73.3

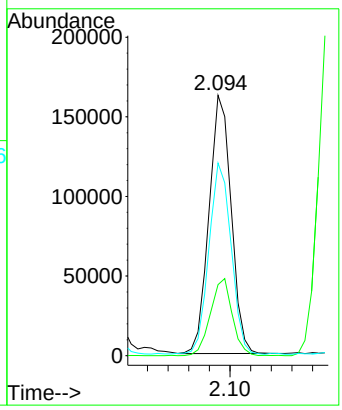




#21
Allyl Chloride
Concen: 9.368 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 41 Resp: 12070

Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.8	37.2
39	74.5	60.6	90.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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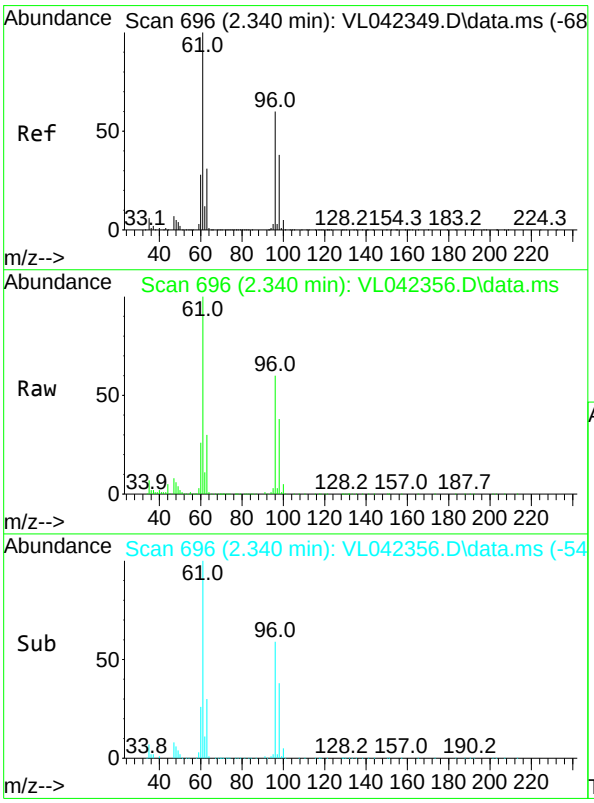
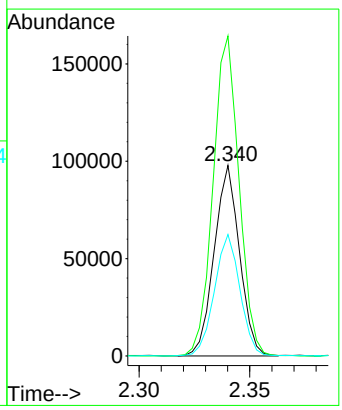
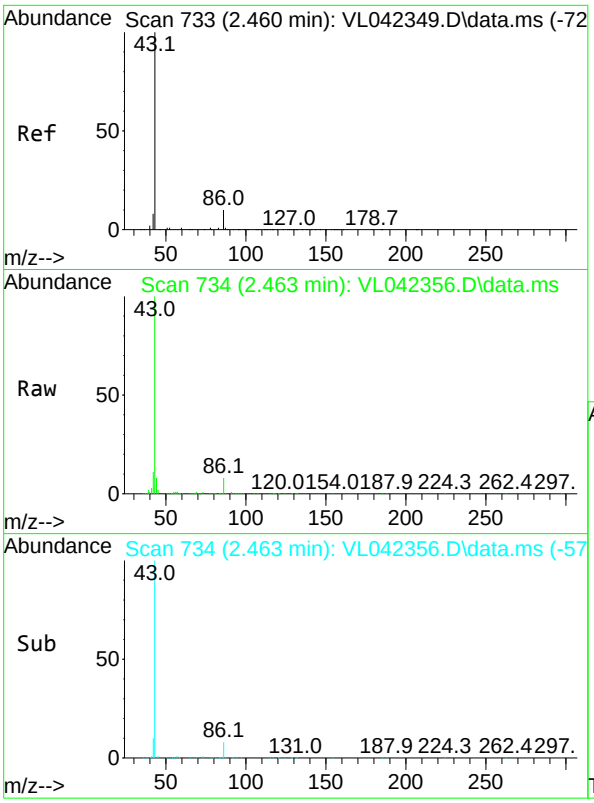


#22
trans-1,2-Dichloroethene
Concen: 9.373 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 96 Resp: 78070

Ion	Ratio	Lower	Upper
96	100		
61	167.7	133.7	200.5
98	63.5	50.3	75.5

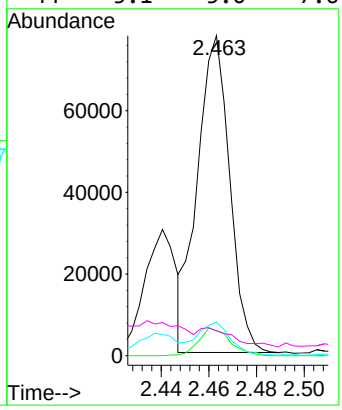




#23
Vinyl Acetate
Concen: 9.714 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 7337

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.5	9.7
42	10.0	7.8	11.8
44	5.1	5.0	7.6



Instrument :
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ClientSampleId :
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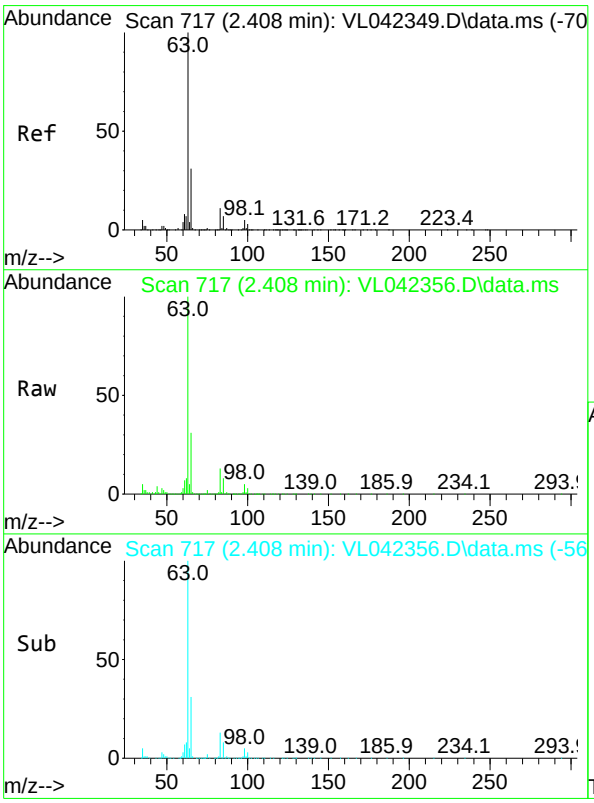
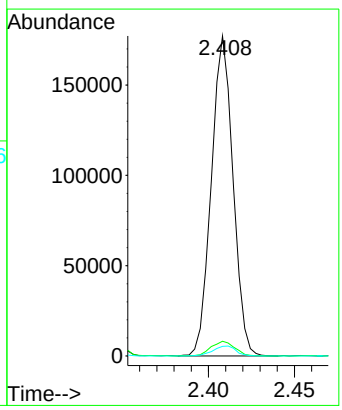
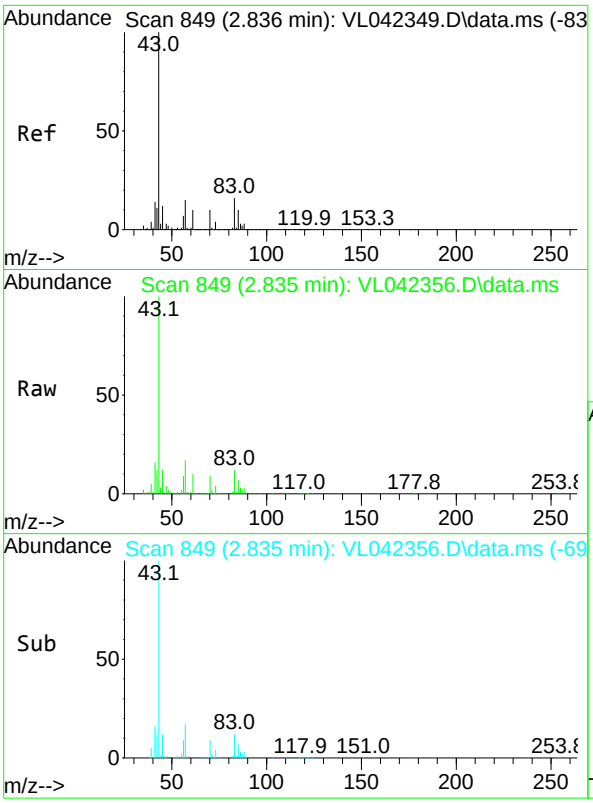


#24
1,1-Dichloroethane
Concen: 9.832 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 63 Resp: 155571

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.0	1.6	4.8

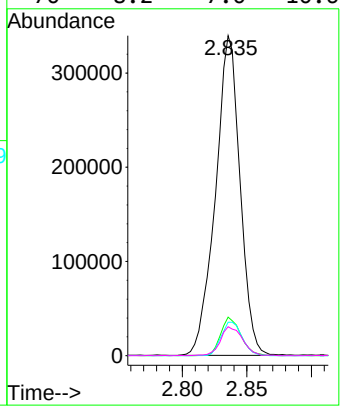




#25
Ethyl Acetate
Concen: 9.759 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 44901

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.3	12.5
61	9.0	7.3	10.9
70	8.2	7.0	10.6



Instrument :
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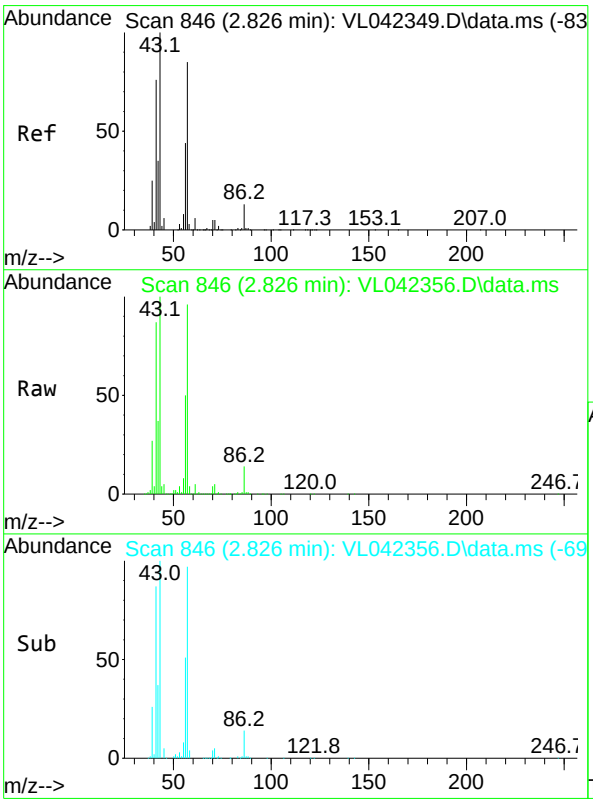
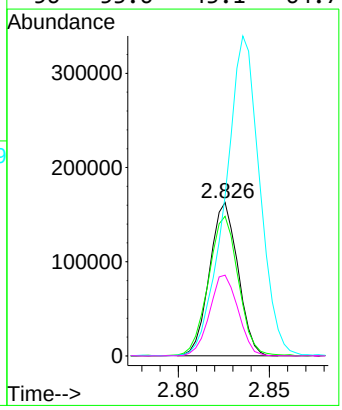
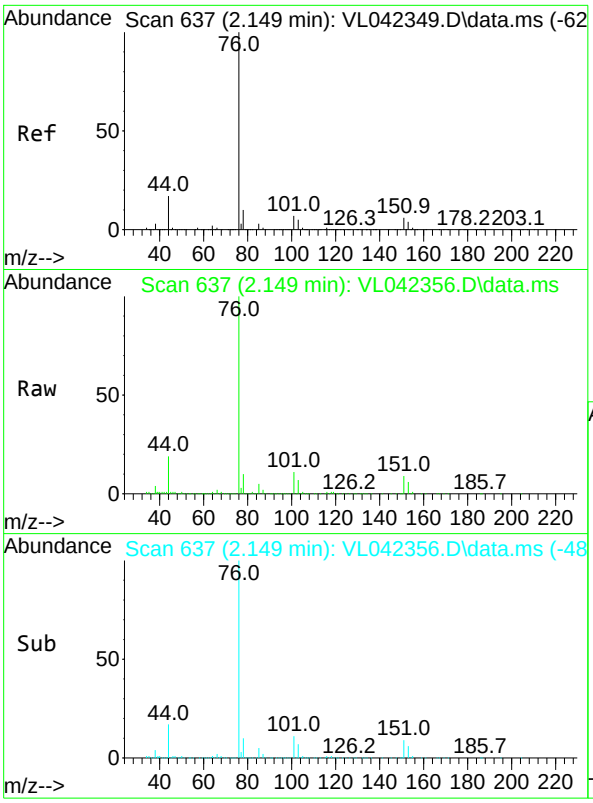


#26
Hexane
Concen: 9.439 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 57 Resp: 175752

Ion	Ratio	Lower	Upper
57	100		
41	96.6	77.9	116.9
43	256.0	208.4	312.6
56	53.6	43.1	64.7

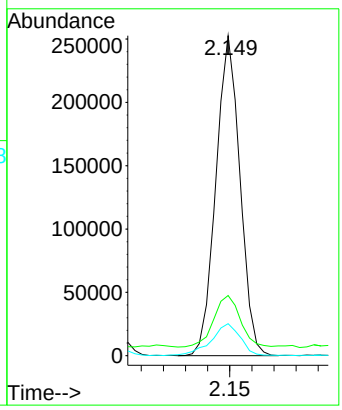




#27
Carbon Disulfide
Concen: 9.587 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 76 Resp: 19111

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.5	23.3
78	11.9	9.3	13.9



Instrument :
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ClientSampleId :
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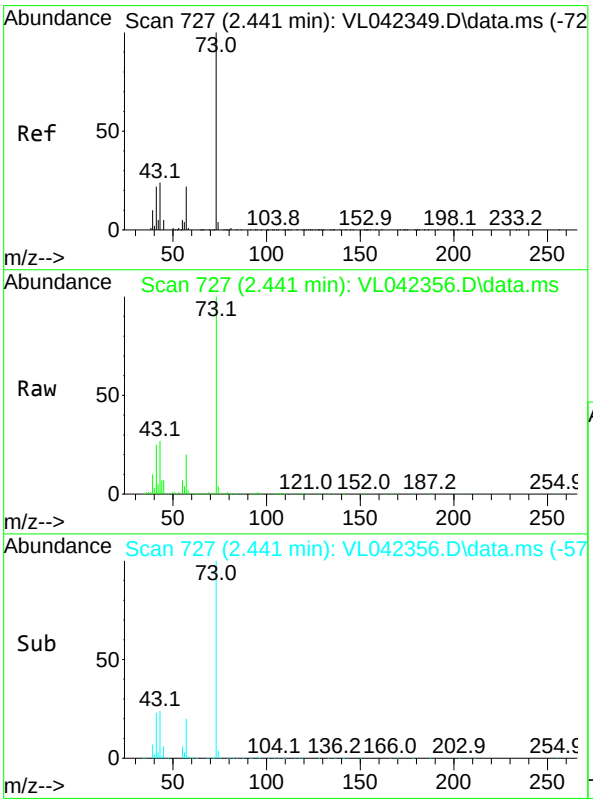
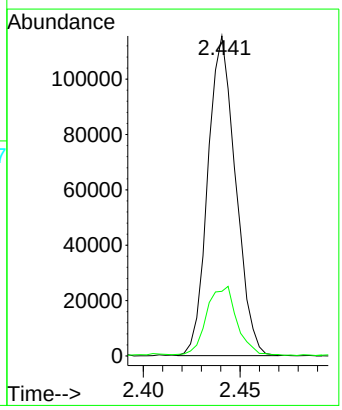
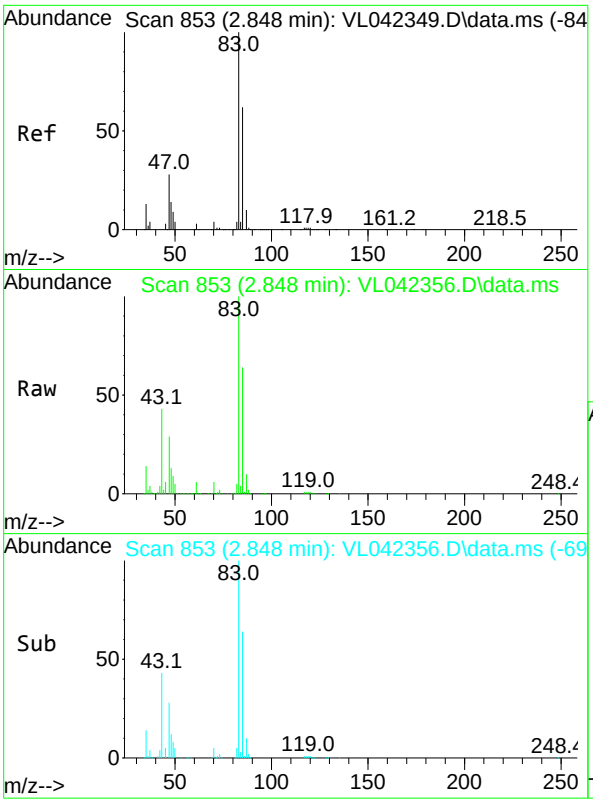


#28
Methyl tert-Butyl Ether
Concen: 9.442 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 73 Resp: 115190

Ion	Ratio	Lower	Upper
73	100		
57	23.4	21.3	31.9

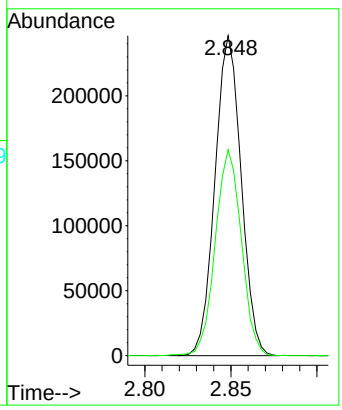




#29
Chloroform
Concen: 9.912 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 83 Resp: 26085

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0



Instrument :
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ClientSampleId :
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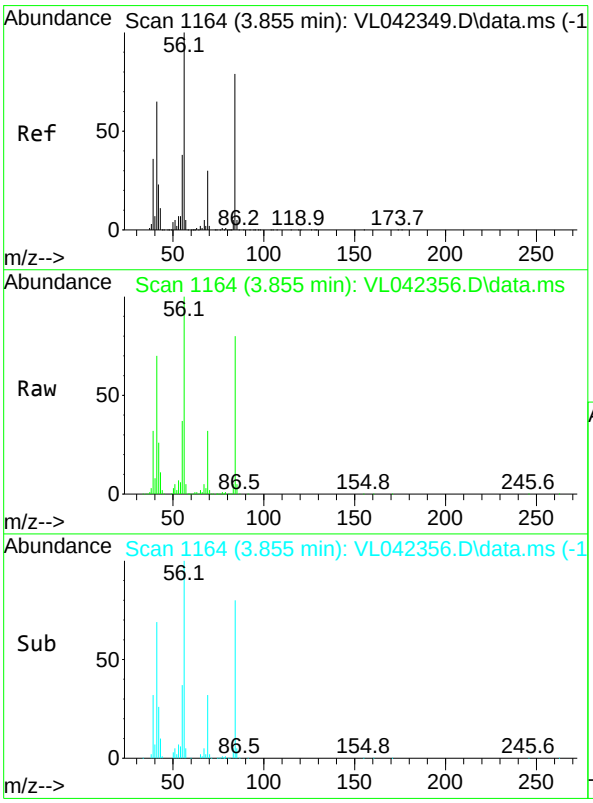
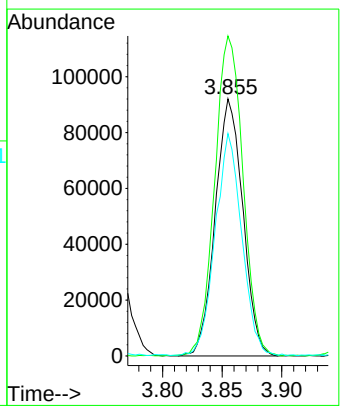
Supervised By :Mahesh Dadoda 04/18/2025

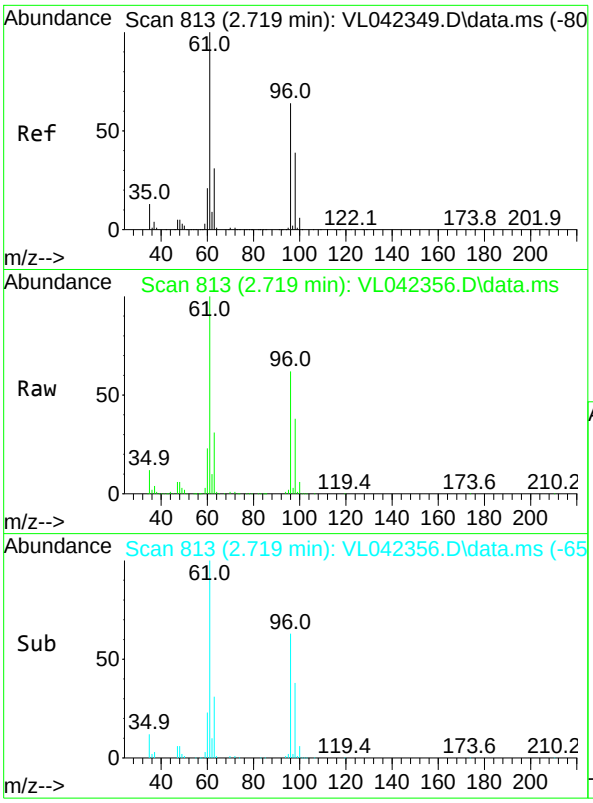


#30
Cyclohexane
Concen: 9.849 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 84 Resp: 148246

Ion	Ratio	Lower	Upper
84	100		
56	127.7	101.0	151.4
41	83.2	67.4	101.0

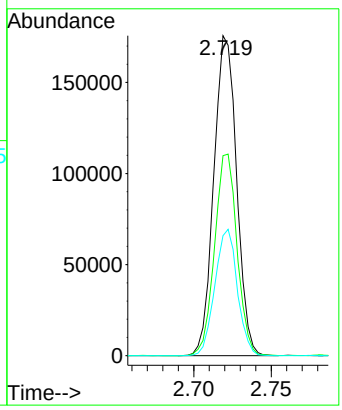




#31
cis-1,2-Dichloroethene
Concen: 10.167 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 61 Resp: 17999

Ion	Ratio	Lower	Upper
61	100		
96	62.5	50.8	76.2
98	37.5	30.9	46.3



Instrument :
MSVOA_L
ClientSampleId :
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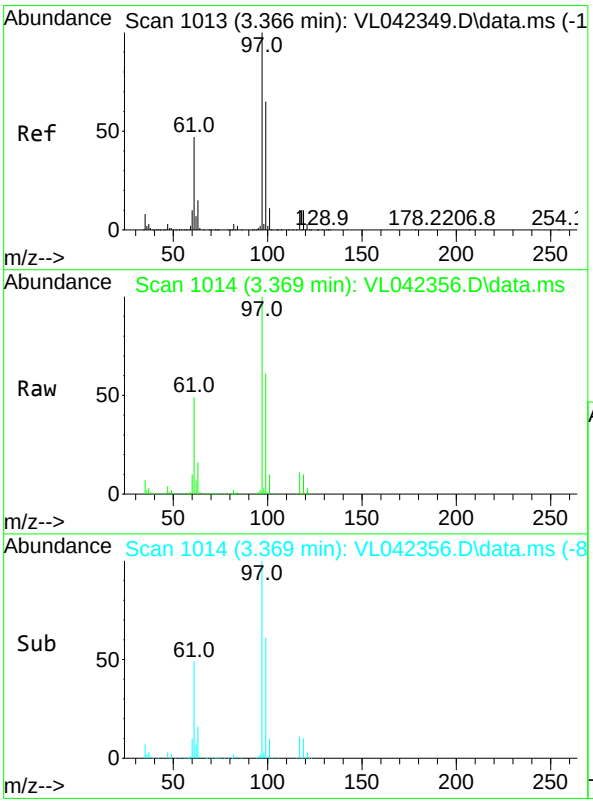
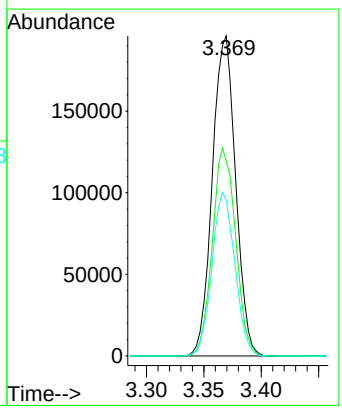
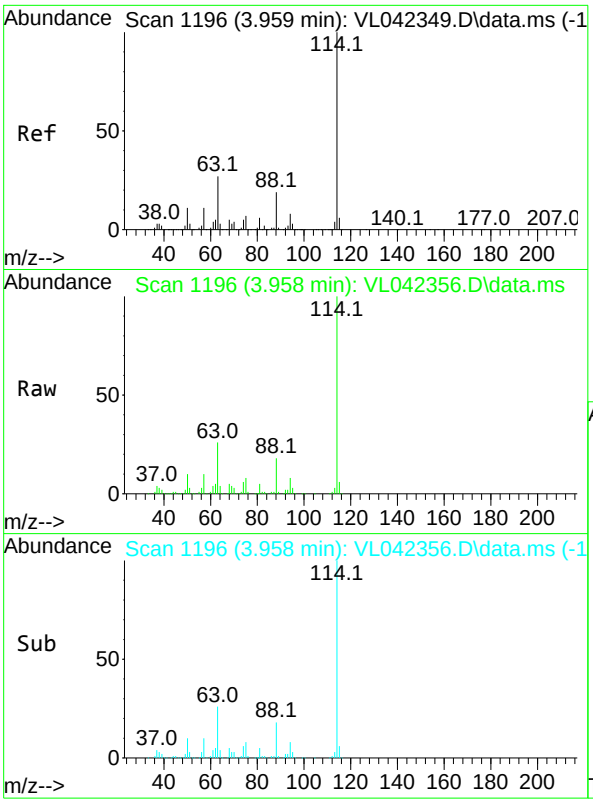


#32
1,1,1-Trichloroethane
Concen: 9.336 ppbv
RT: 3.369 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 97 Resp: 276599

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.4
61	50.7	38.8	58.2

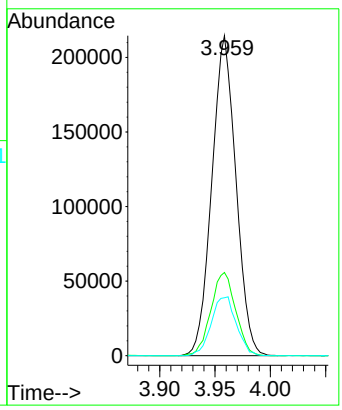




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:114 Resp: 32452

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.8	32.6
88	19.2	15.5	23.3



Instrument :
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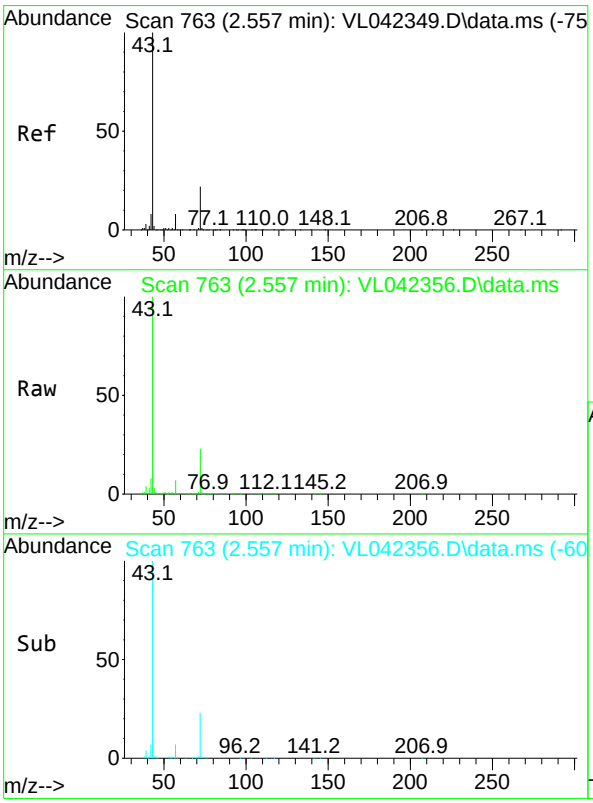
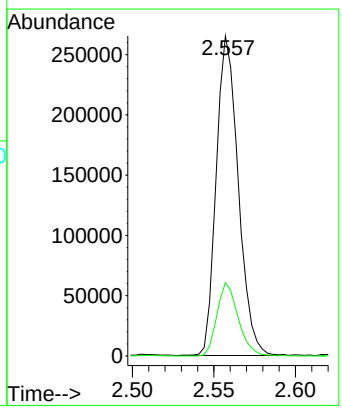
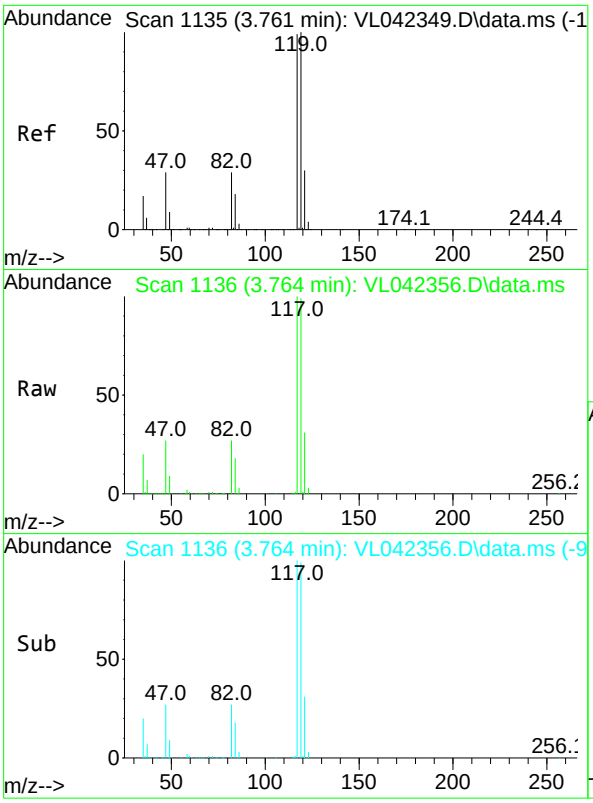


#34
2-Butanone
Concen: 9.700 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 248969

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.2	27.2

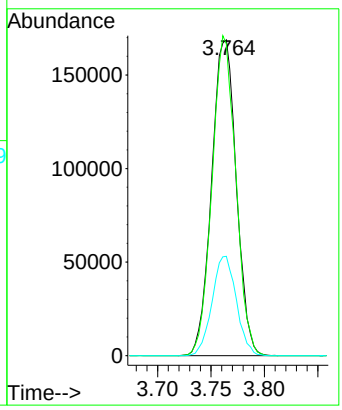




#35
Carbon Tetrachloride
Concen: 9.256 ppbv
RT: 3.764 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:117 Resp: 27186

Ion	Ratio	Lower	Upper
117	100		
119	98.7	80.5	120.7
121	31.5	24.2	36.2



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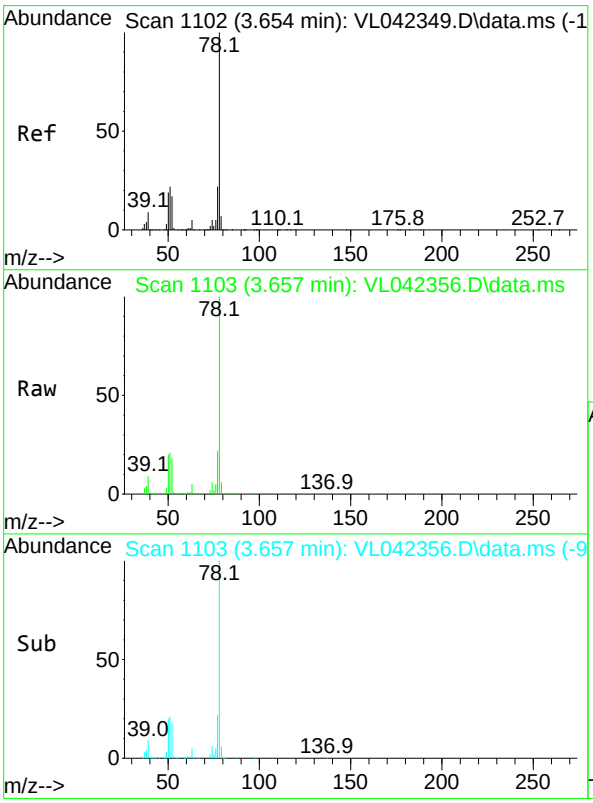
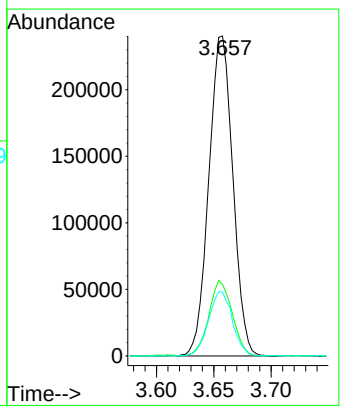
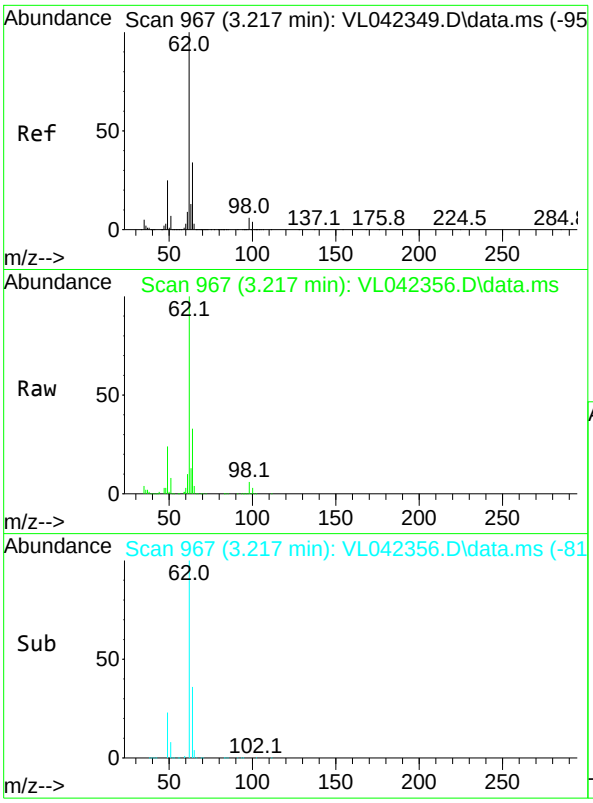


#36
Benzene
Concen: 10.014 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 78 Resp: 350545

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.4	26.0
50	19.9	15.5	23.3

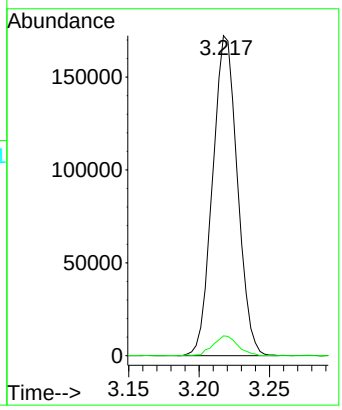




#37
1,2-Dichloroethane
Concen: 10.081 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 62 Resp: 21179

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.1	7.7



Instrument :
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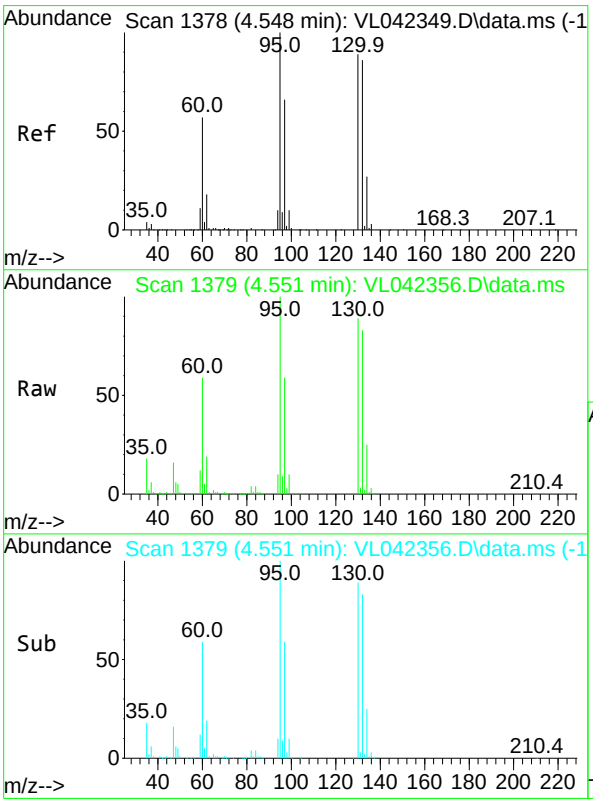
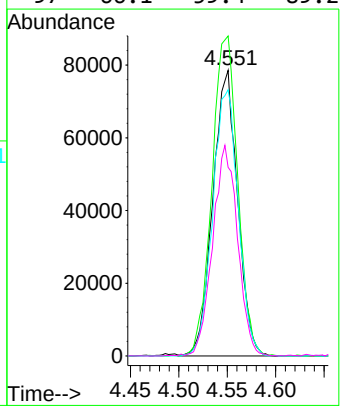
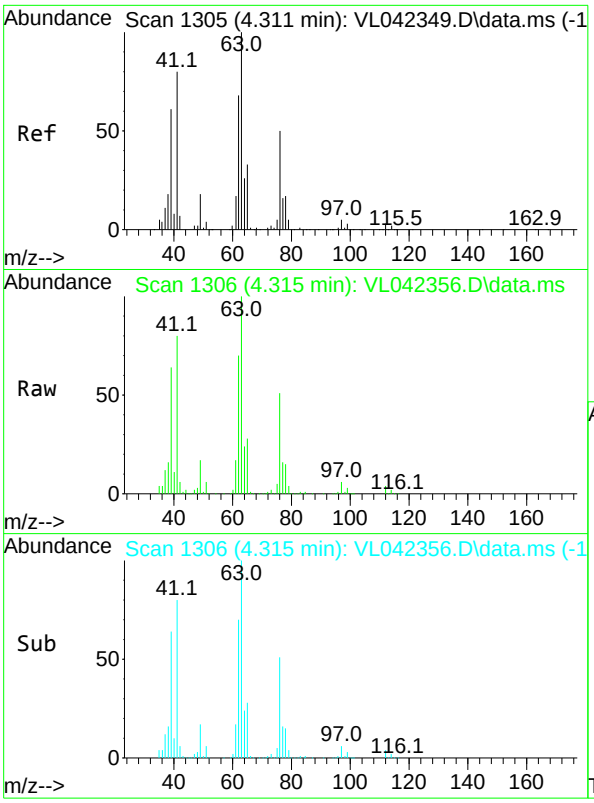


#38
Trichloroethene
Concen: 9.143 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:130 Resp: 139872

Ion	Ratio	Lower	Upper
130	100		
95	112.0	89.8	134.6
132	93.2	77.7	116.5
97	66.1	59.4	89.2

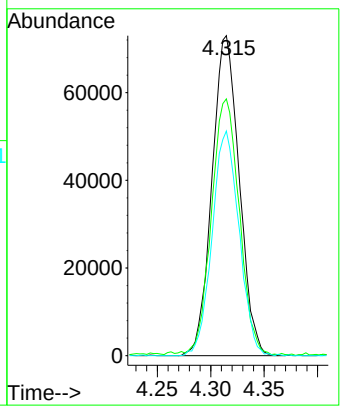




#39
1,2-Dichloropropane
Concen: 9.908 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 63 Resp: 12923

Ion	Ratio	Lower	Upper
63	100		
41	79.9	64.2	96.2
62	70.2	54.3	81.5



Instrument :
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ClientSampleId :
ICVVL041725

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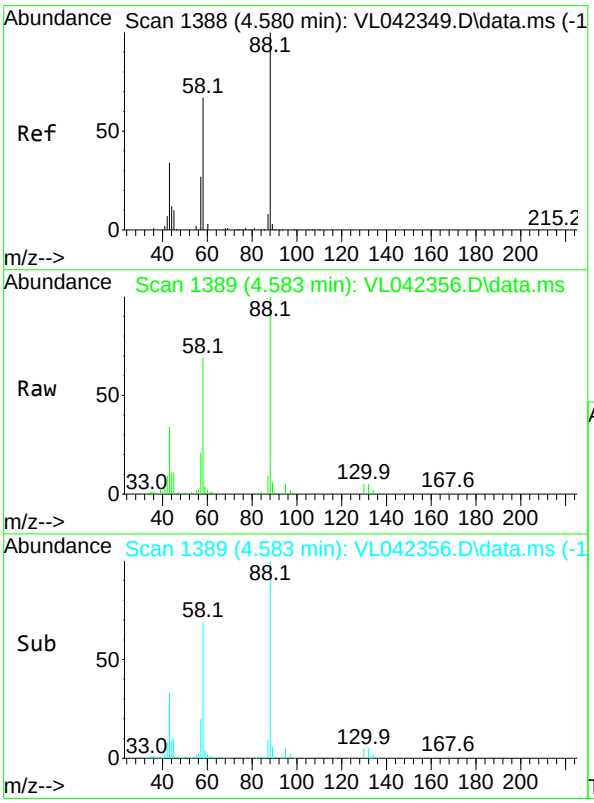
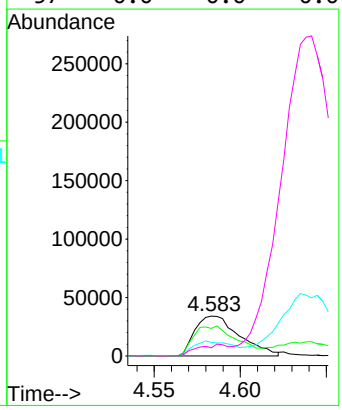
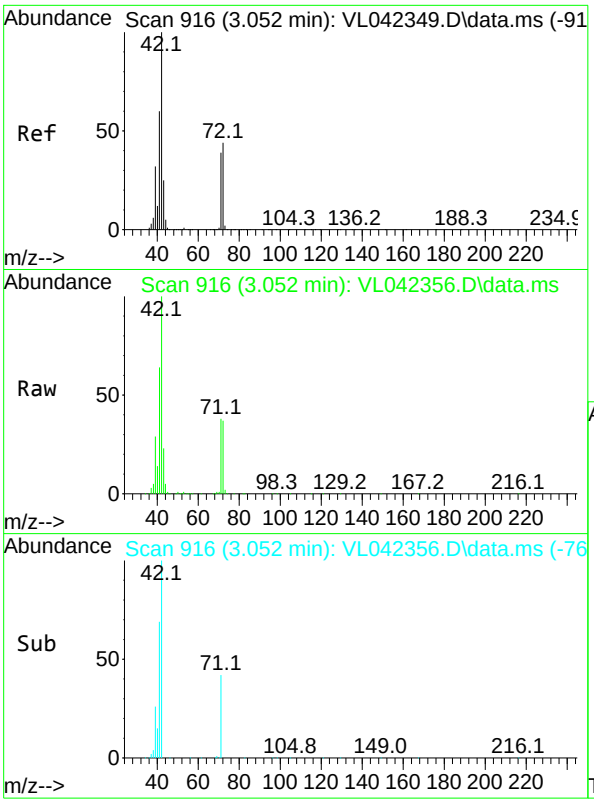


#40
1,4-Dioxane
Concen: 8.591 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 88 Resp: 61587

Ion	Ratio	Lower	Upper
88	100		
58	76.1	61.4	92.0
43	35.9	23.2	34.8#
57	0.0	0.0	0.0

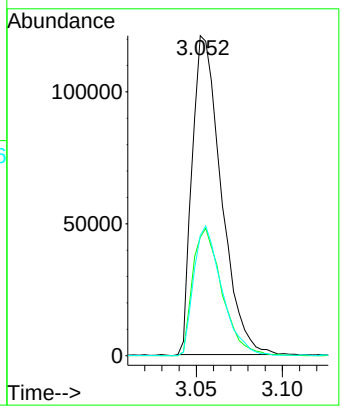




#41
Tetrahydrofuran
Concen: 9.479 ppbv
RT: 3.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 42 Resp: 14186

Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.3	48.5
71	39.8	31.4	47.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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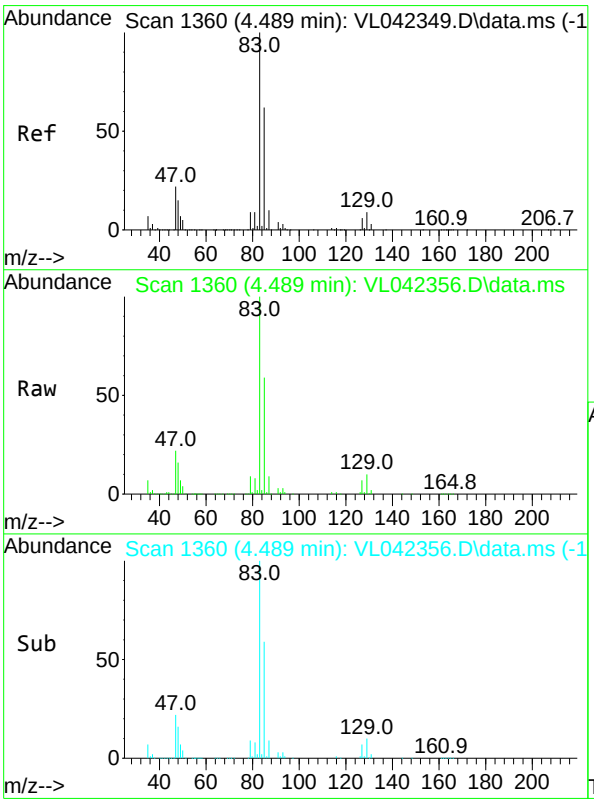
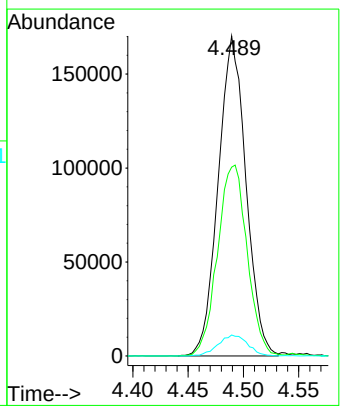
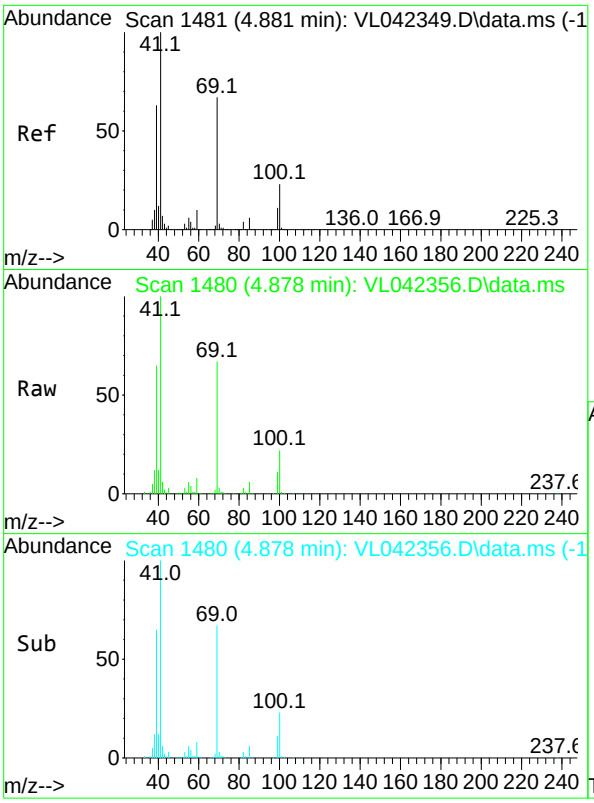


#42
Bromodichloromethane
Concen: 10.156 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 83 Resp: 296946

Ion	Ratio	Lower	Upper
83	100		
85	59.0	49.7	74.5
127	6.6	5.1	7.7

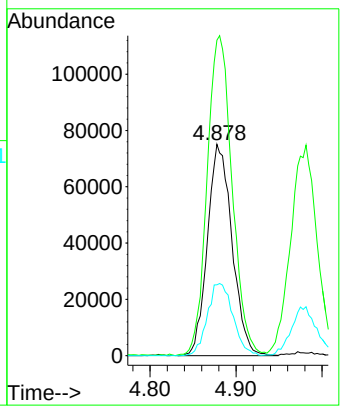




#43
Methyl Methacrylate
Concen: 9.458 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 69 Resp: 14920

Ion	Ratio	Lower	Upper
69	100		
41	154.1	118.6	177.8
100	35.5	28.2	42.2



Instrument :
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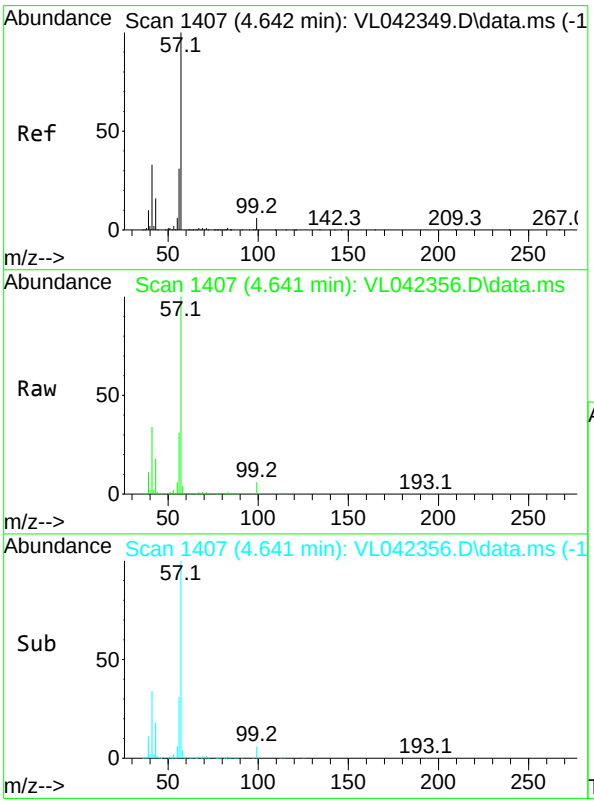
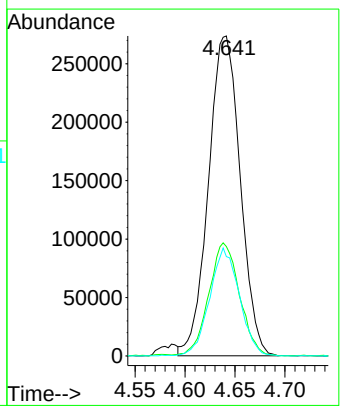
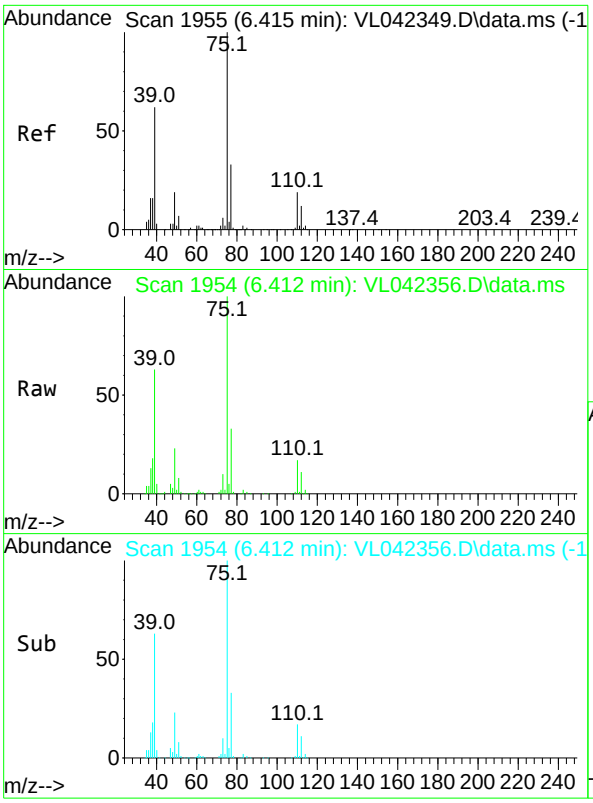


#44
2,2,4-Trimethylpentane
Concen: 10.030 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 57 Resp: 606376

Ion	Ratio	Lower	Upper
57	100		
41	34.3	27.2	40.8
56	31.6	25.7	38.5

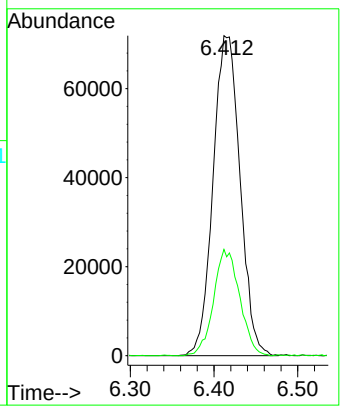




#45
t-1,3-Dichloropropene
Concen: 9.975 ppbv
RT: 6.412 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 75 Resp: 16075

Ion	Ratio	Lower	Upper
75	100		
77	33.2	27.0	40.6



Instrument :
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ClientSampleId :
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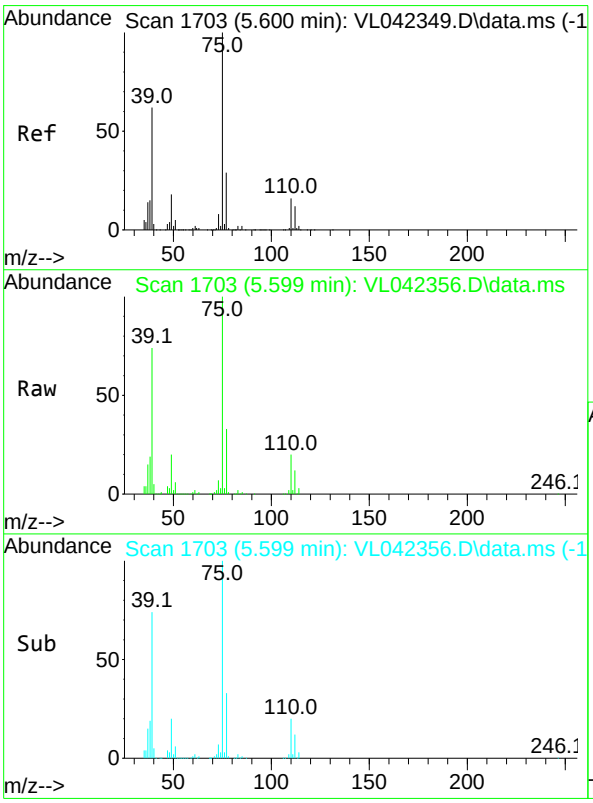
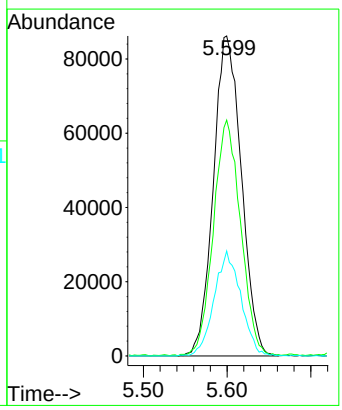
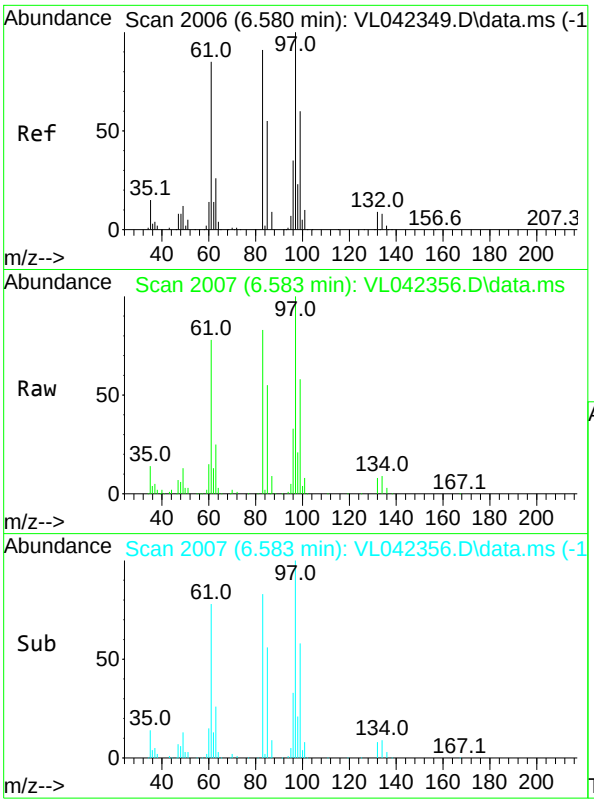


#46
cis-1,3-Dichloropropene
Concen: 10.148 ppbv
RT: 5.599 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 75 Resp: 200144

Ion	Ratio	Lower	Upper
75	100		
39	73.7	50.0	75.0
77	32.7	23.0	34.6

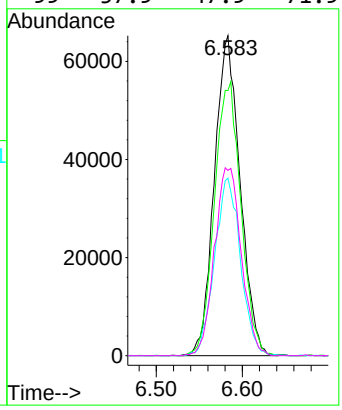




#47
1,1,2-Trichloroethane
Concen: 10.202 ppbv
RT: 6.583 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 97 Resp: 13557

Ion	Ratio	Lower	Upper
97	100		
83	82.8	72.8	109.2
85	55.5	44.2	66.4
99	57.9	47.9	71.9



Instrument :
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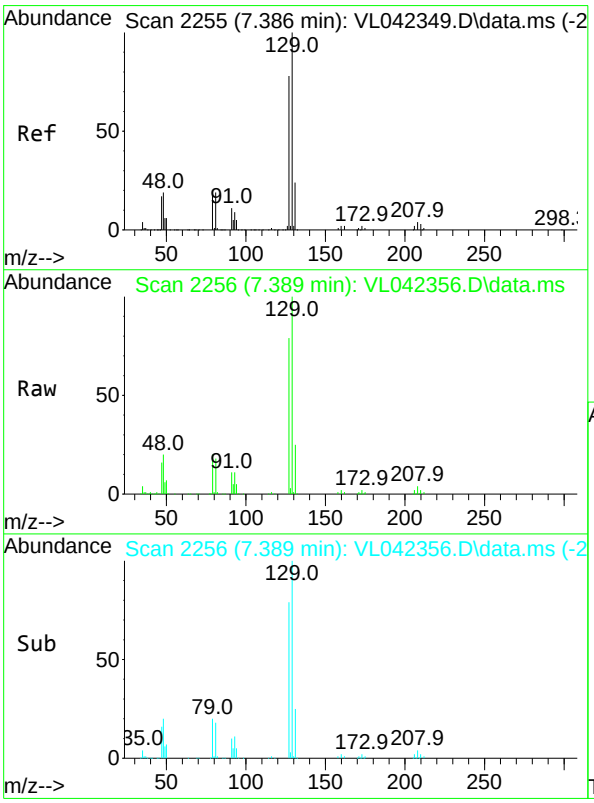
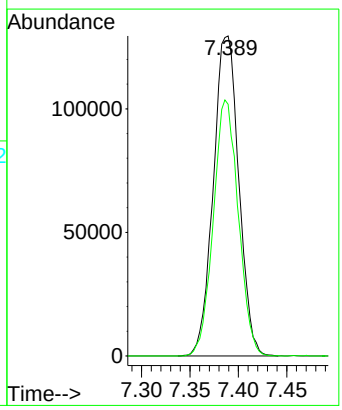
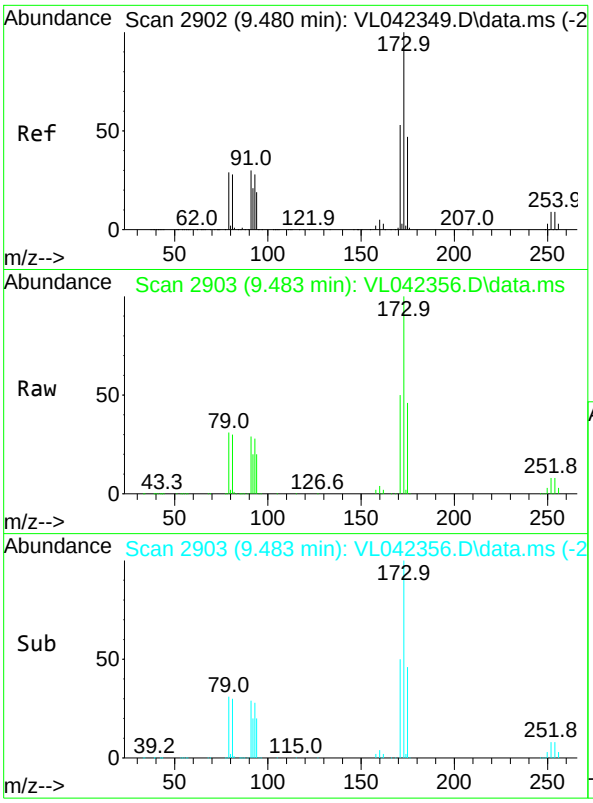


#48
Dibromochloromethane
Concen: 10.103 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:129 Resp: 237206

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3

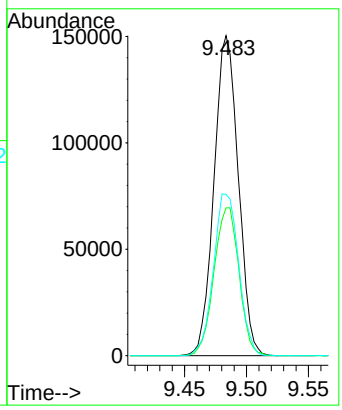




#49
Bromoform
Concen: 10.016 ppbv
RT: 9.483 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:173 Resp: 20563

Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.2	57.2
171	52.5	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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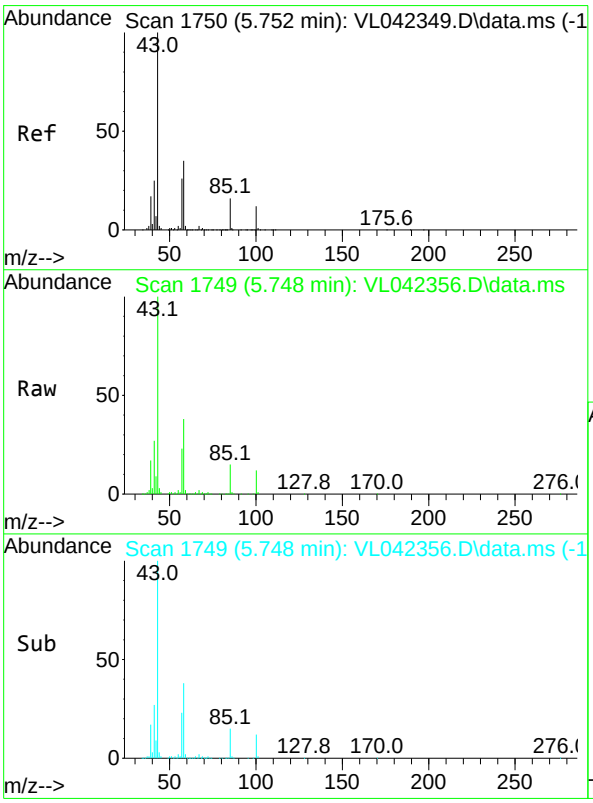
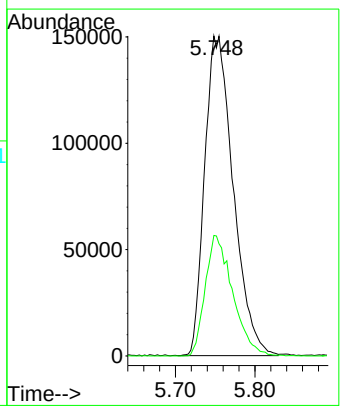
Supervised By :Mahesh Dadoda 04/18/2025

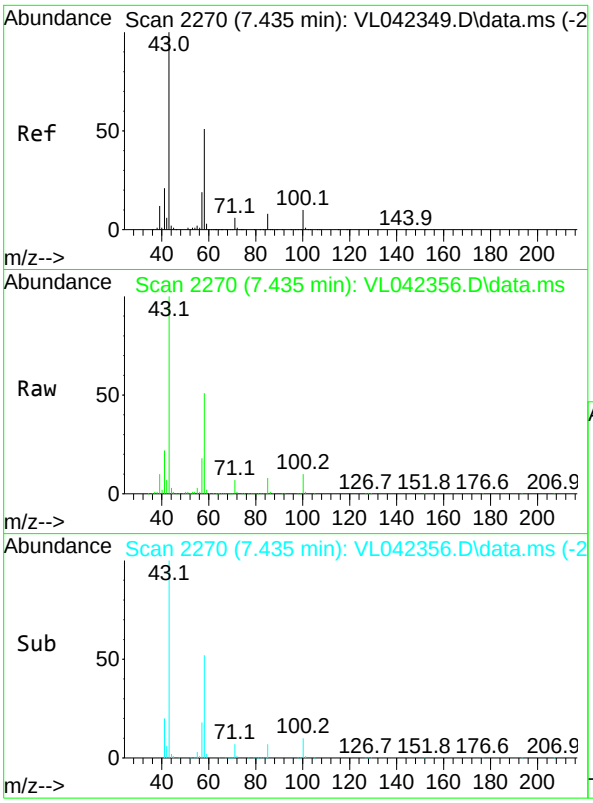


#50
4-Methyl-2-Pentanone
Concen: 8.819 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 376145

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.6	43.0

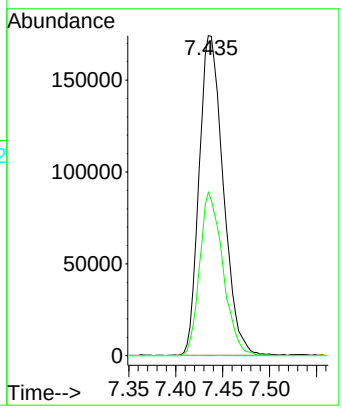




#51
2-Hexanone
Concen: 8.118 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 31052

Ion	Ratio	Lower	Upper
43	100		
58	49.3	40.2	60.4
98	0.0	0.1	0.1



Instrument :
MSVOA_L
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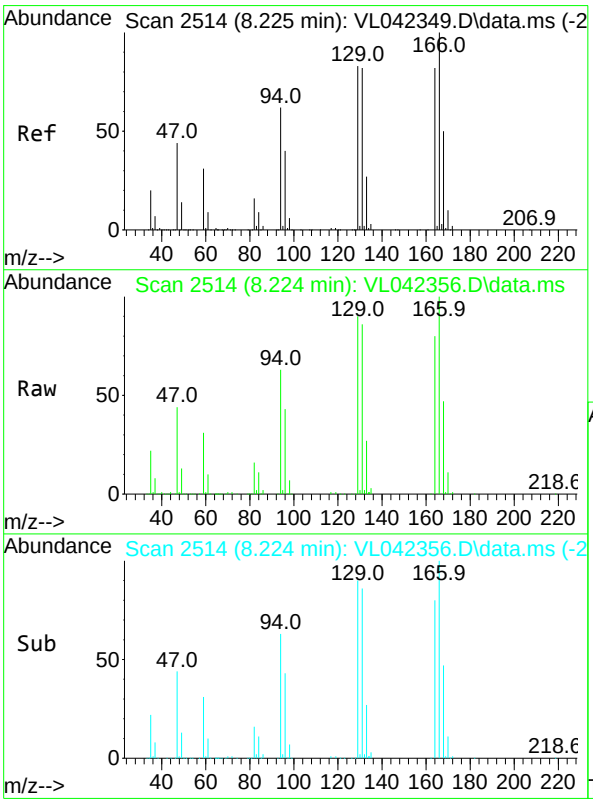
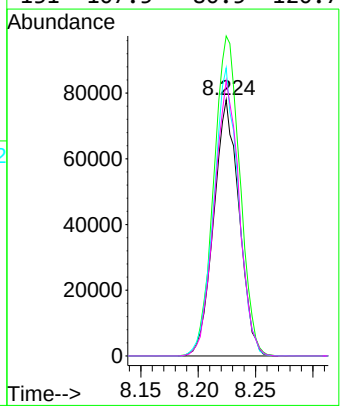
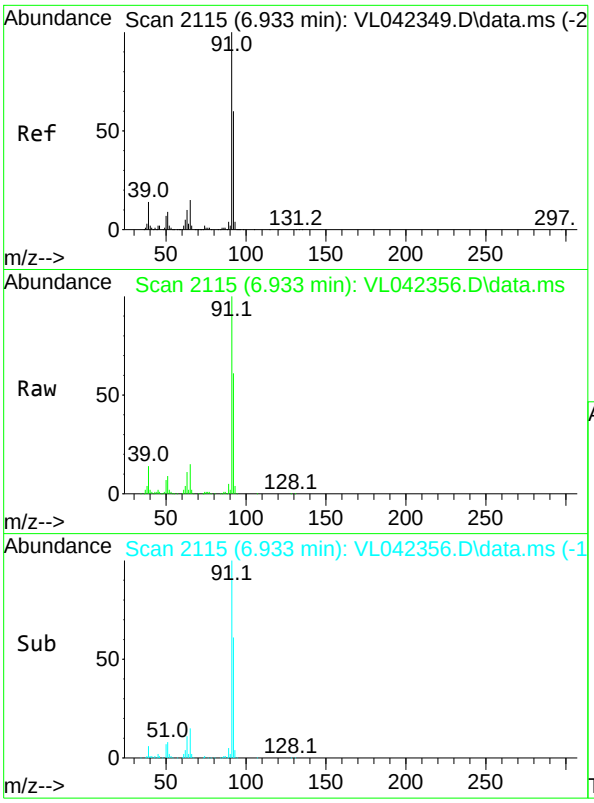


#52
Tetrachloroethene
Concen: 8.827 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:164 Resp: 119424

Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.2	147.2
129	112.5	81.8	122.8
131	107.5	80.5	120.7

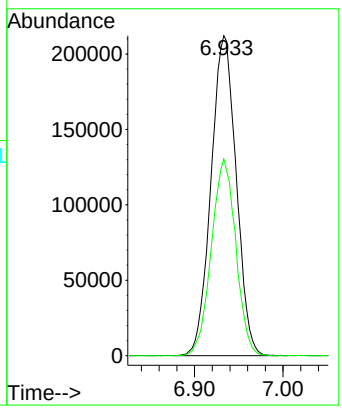




#53
Toluene
Concen: 9.986 ppbv
RT: 6.933 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 41946

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4



Instrument :
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ClientSampleId :
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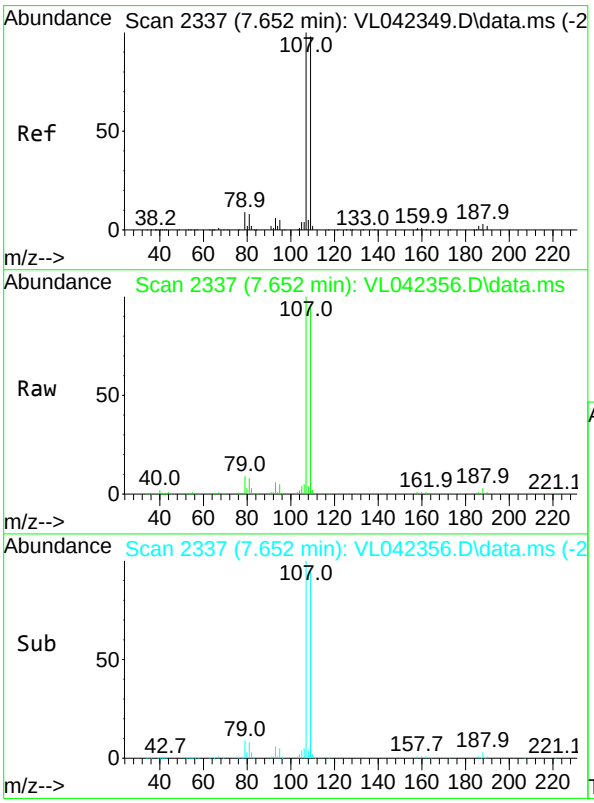
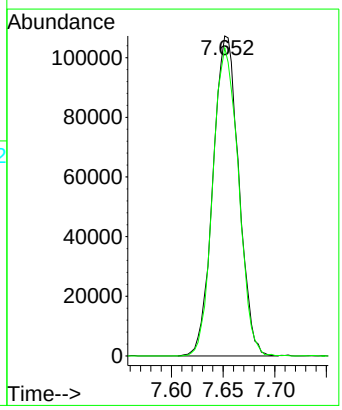
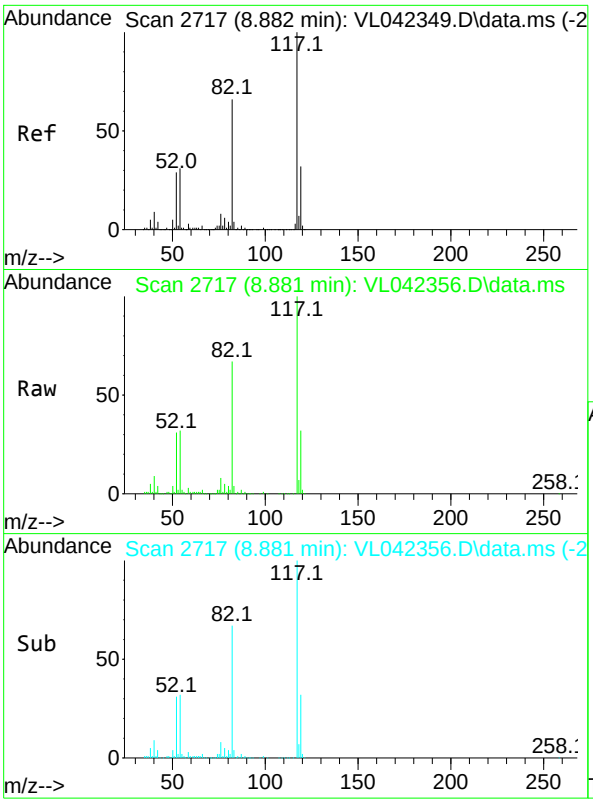


#54
1,2-Dibromoethane
Concen: 9.792 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:107 Resp: 186231

Ion	Ratio	Lower	Upper
107	100		
109	96.3	78.2	117.4

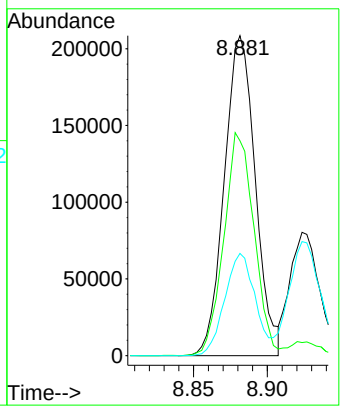




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:117 Resp: 30535

Ion	Ratio	Lower	Upper
117	100		
82	68.3	57.8	86.6
119	31.8	25.2	37.8



Instrument :
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ClientSampleId :
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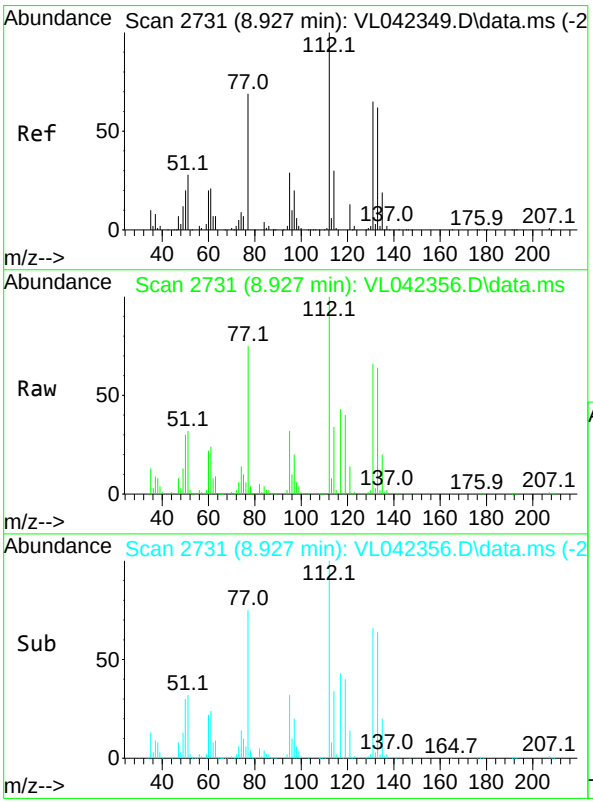
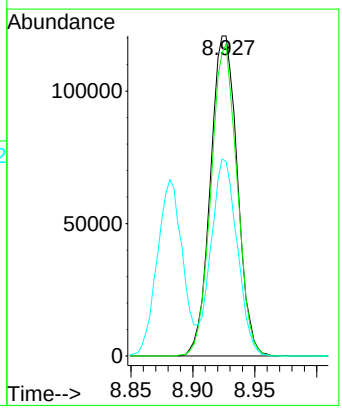
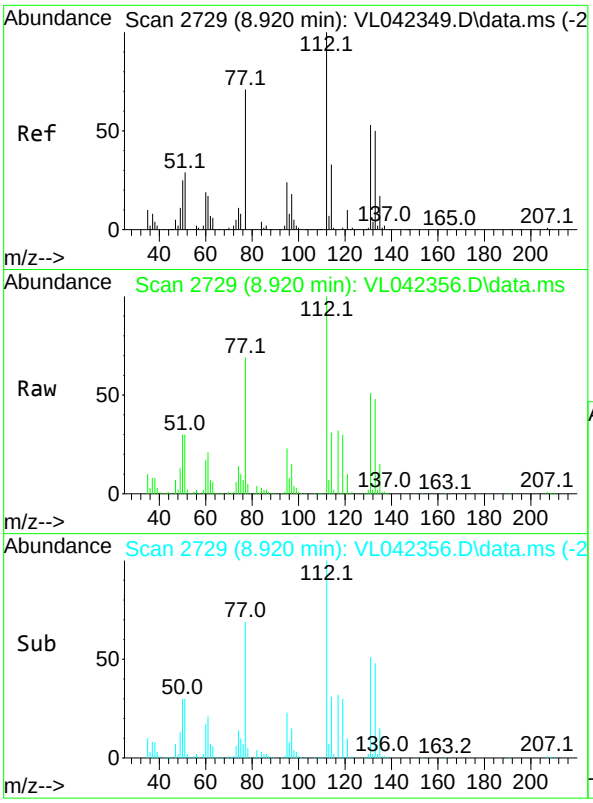


#56
1,1,1,2-Tetrachloroethane
Concen: 9.886 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:131 Resp: 182712

Ion	Ratio	Lower	Upper
131	100		
133	93.9	78.3	117.5
119	59.4	48.7	73.1

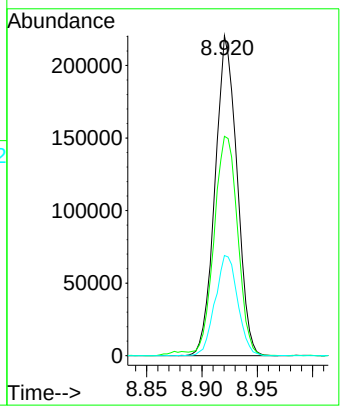




#57
Chlorobenzene
Concen: 9.589 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:112 Resp: 30453

Ion	Ratio	Lower	Upper
112	100		
77	68.5	57.8	86.6
114	31.3	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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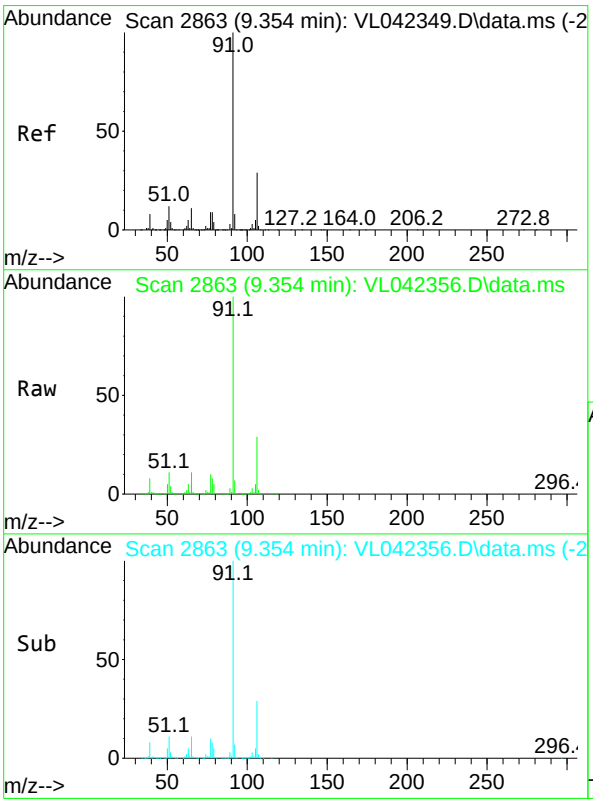
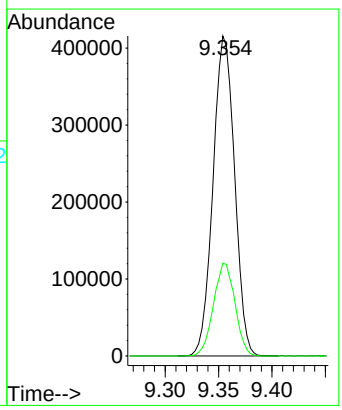
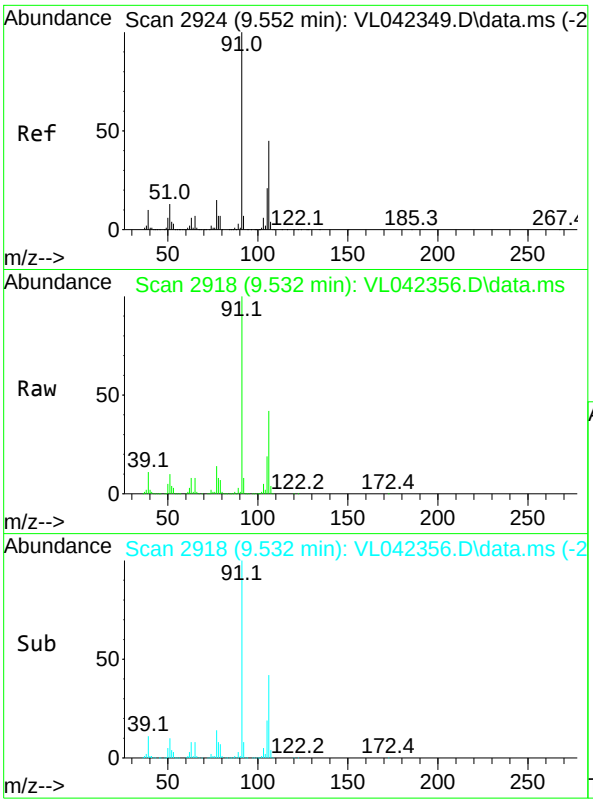


#58
Ethyl Benzene
Concen: 9.645 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 583515

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.0	34.4

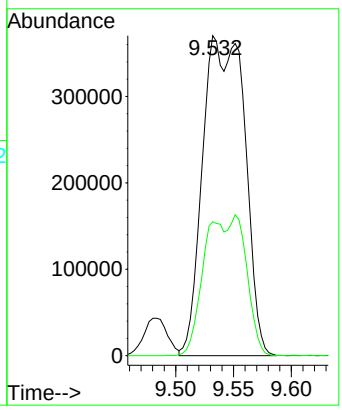




#59
m/p-Xylene
Concen: 19.139 ppbv m
RT: 9.532 min Scan# 2
Delta R.T. -0.020 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 93280

Ion	Ratio	Lower	Upper
91	100		
106	43.7	35.4	53.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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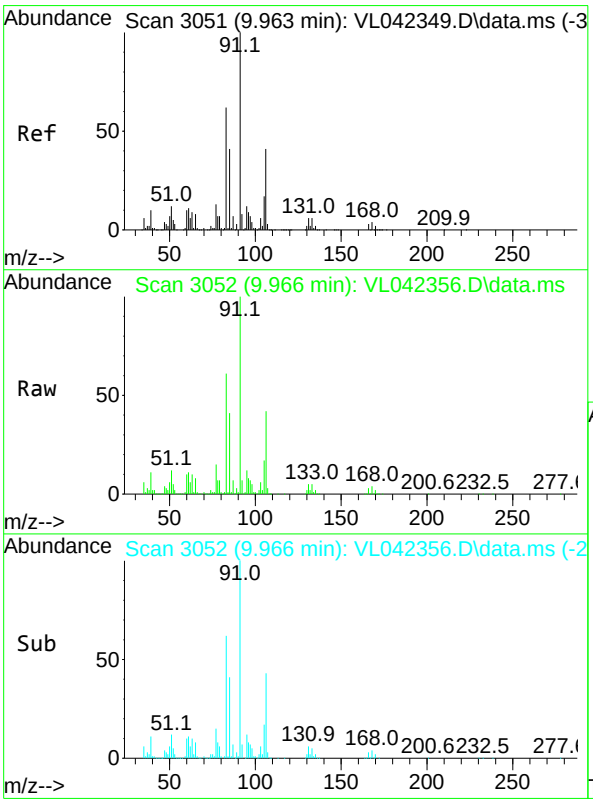
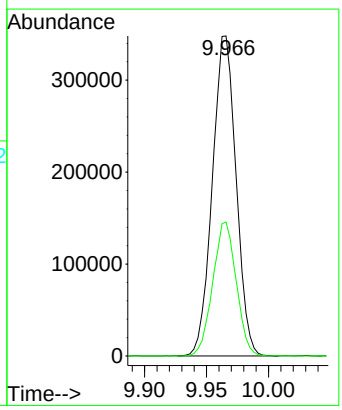
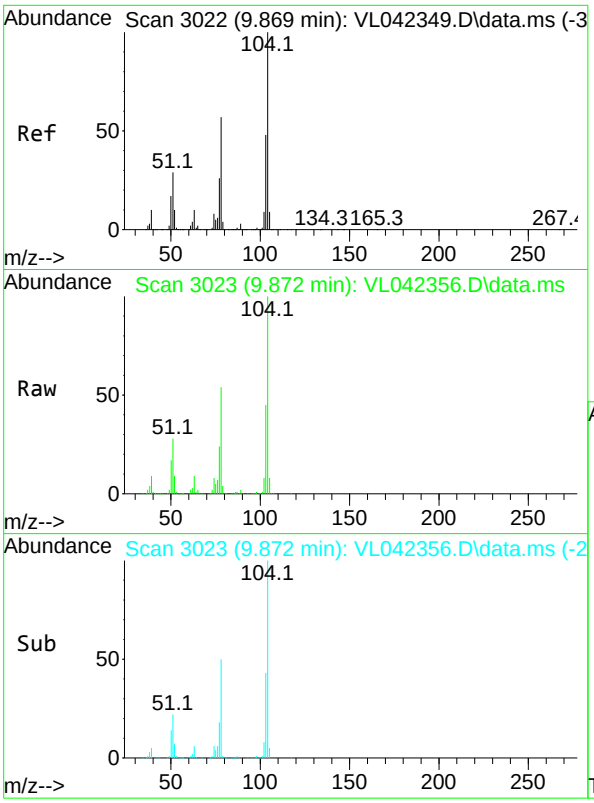


#60
o-Xylene
Concen: 9.465 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 464522

Ion	Ratio	Lower	Upper
91	100		
106	41.4	21.1	63.4

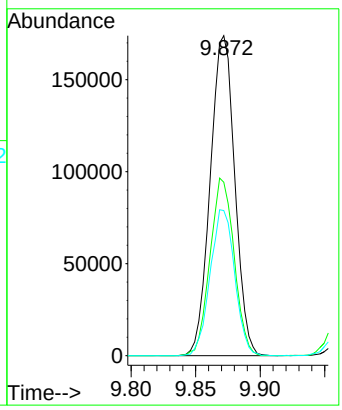




#61
Styrene
Concen: 9.813 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:104 Resp: 22986

Ion	Ratio	Lower	Upper
104	100		
78	54.5	44.6	66.8
103	45.7	37.4	56.0



Instrument :
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ClientSampleId :
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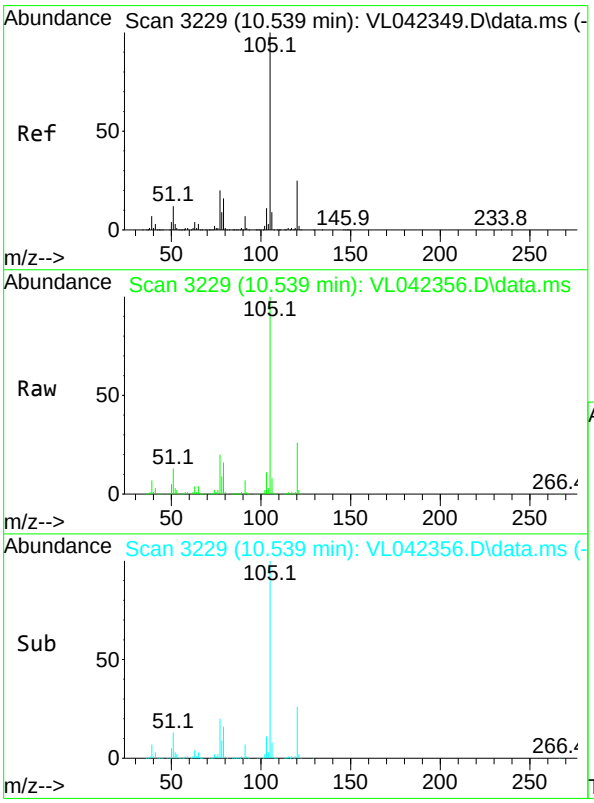
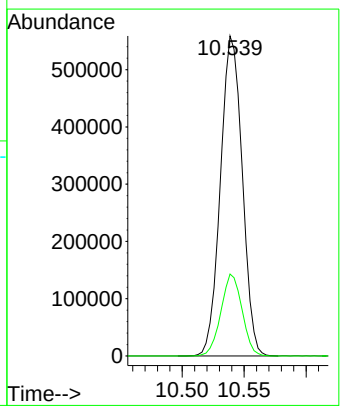
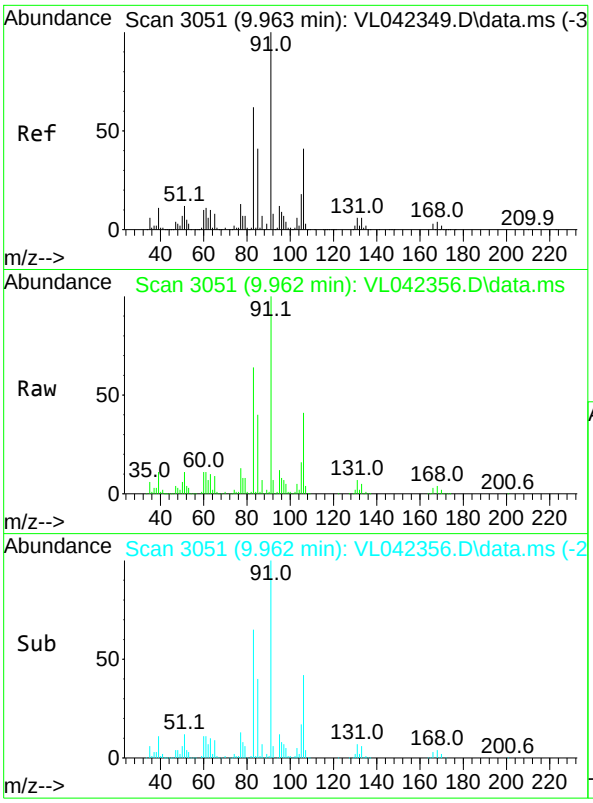


#62
Isopropylbenzene
Concen: 9.520 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 685965

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.773 ppbv
RT: 9.962 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 83 Resp: 27900

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	64.6	32.4	97.0

Instrument :
MSVOA_L
ClientSampleId :
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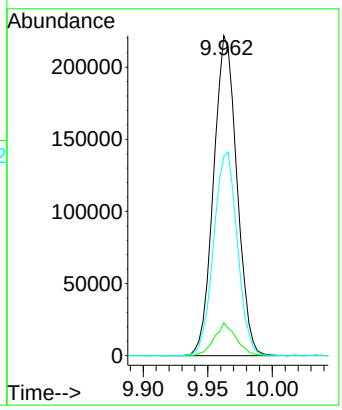
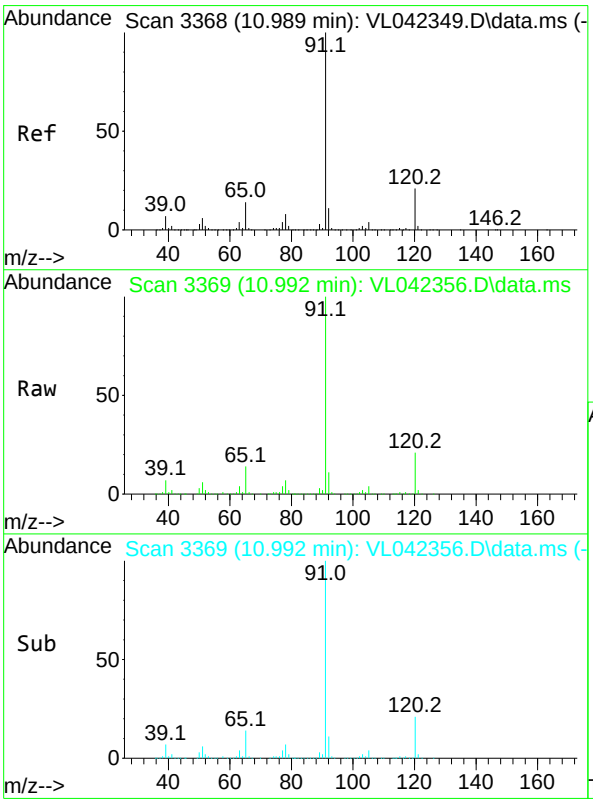
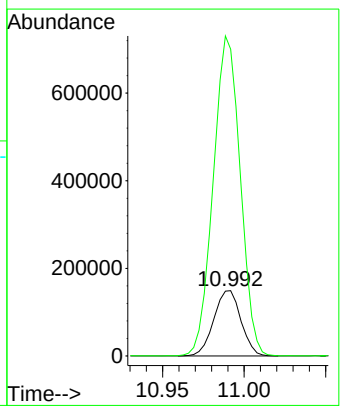


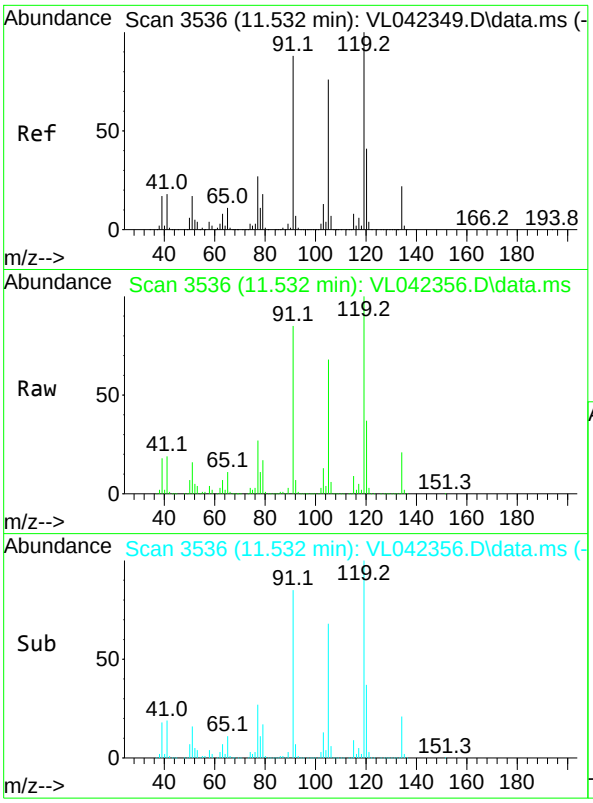


#64
n-propylbenzene
Concen: 9.533 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:120 Resp: 172654

Ion	Ratio	Lower	Upper
120	100		
91	487.7	392.4	588.6

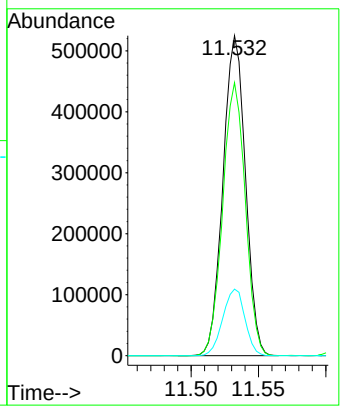




#65
tert-Butylbenzene
Concen: 9.203 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:119 Resp: 60950

Ion	Ratio	Lower	Upper
119	100		
91	85.8	74.6	111.8
134	20.5	18.8	28.2



Instrument :
MSVOA_L
ClientSampleId :
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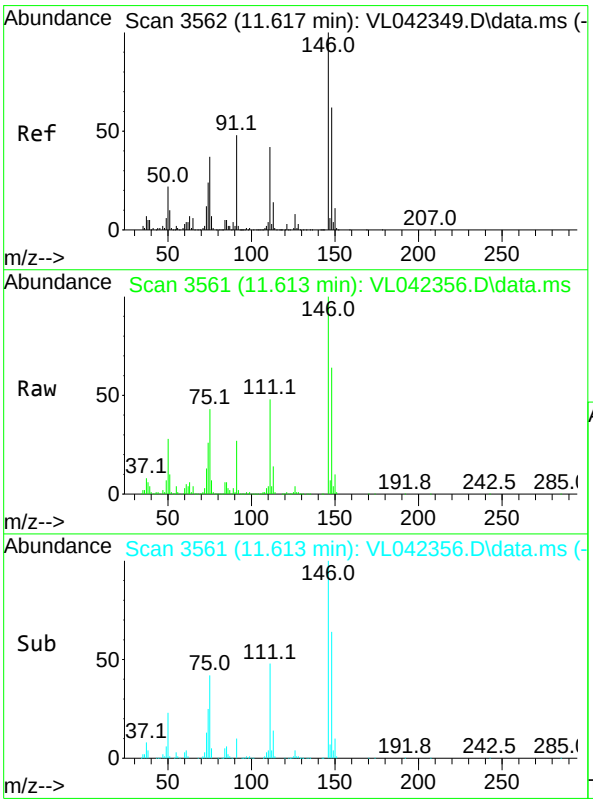
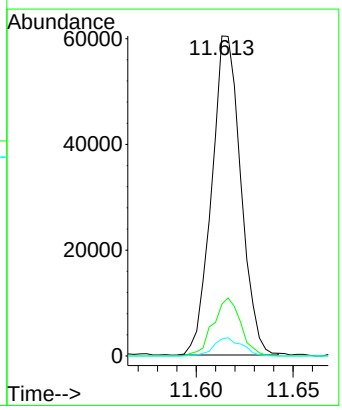
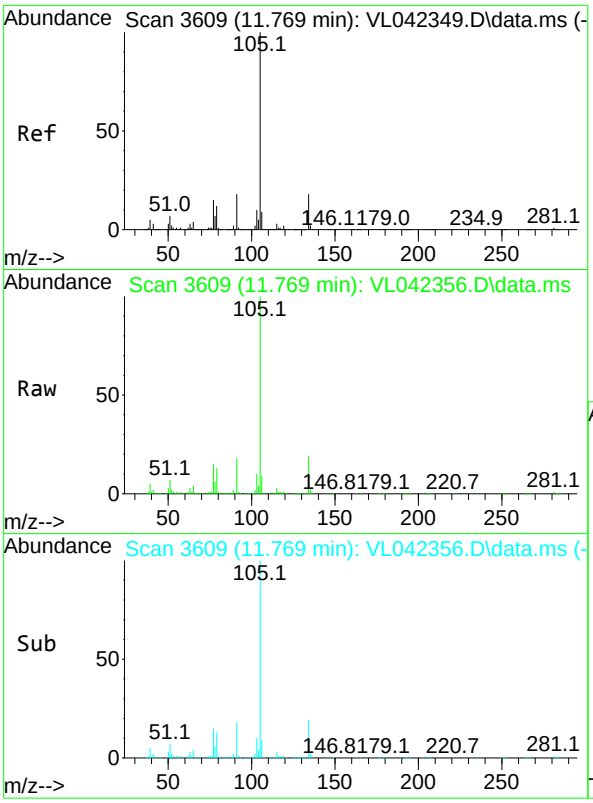


#66
Benzyl Chloride
Concen: 8.664 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 63051

Ion	Ratio	Lower	Upper
91	100		
126	17.3	11.8	17.6
128	5.6	4.5	6.7

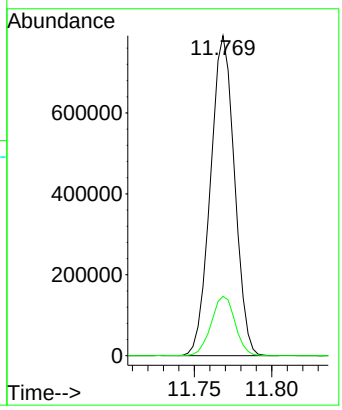




#67
sec-Butylbenzene
Concen: 9.268 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 85380

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations
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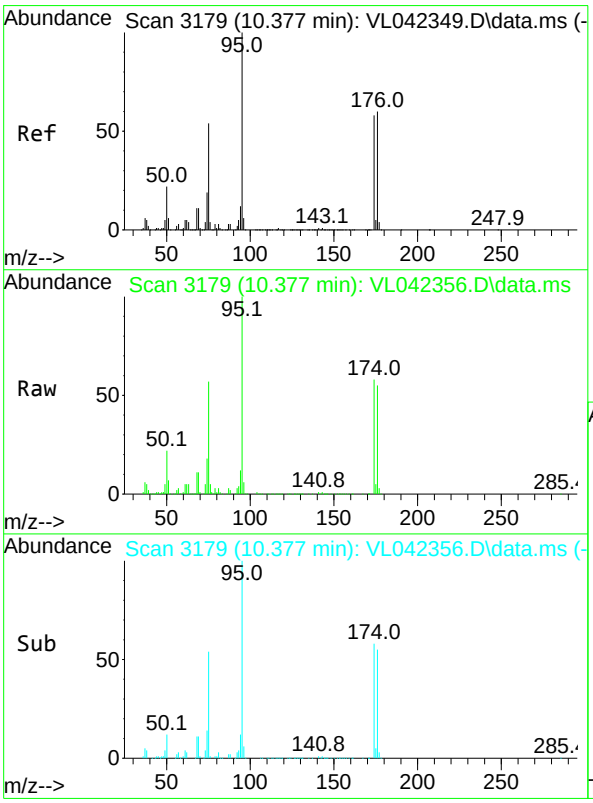
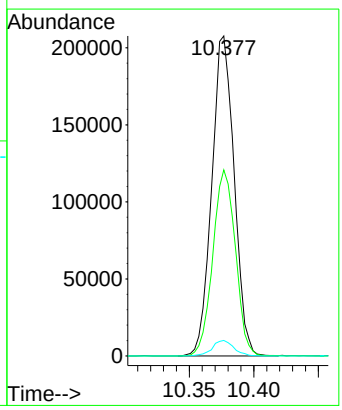
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

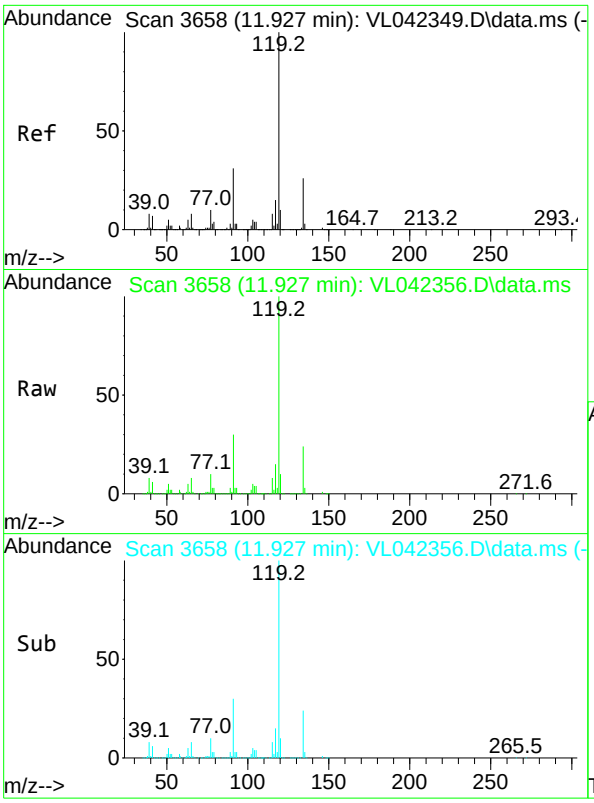


#68
1-Bromo-4-Fluorobenzene
Concen: 9.969 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 95 Resp: 250149

Ion	Ratio	Lower	Upper
95	100		
174	58.7	48.5	72.7
175	4.7	3.7	5.5

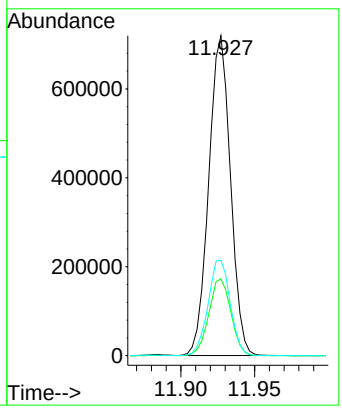




#69
p-Isopropyltoluene
Concen: 9.220 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:119 Resp: 73786

Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.0	30.0
91	30.6	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations
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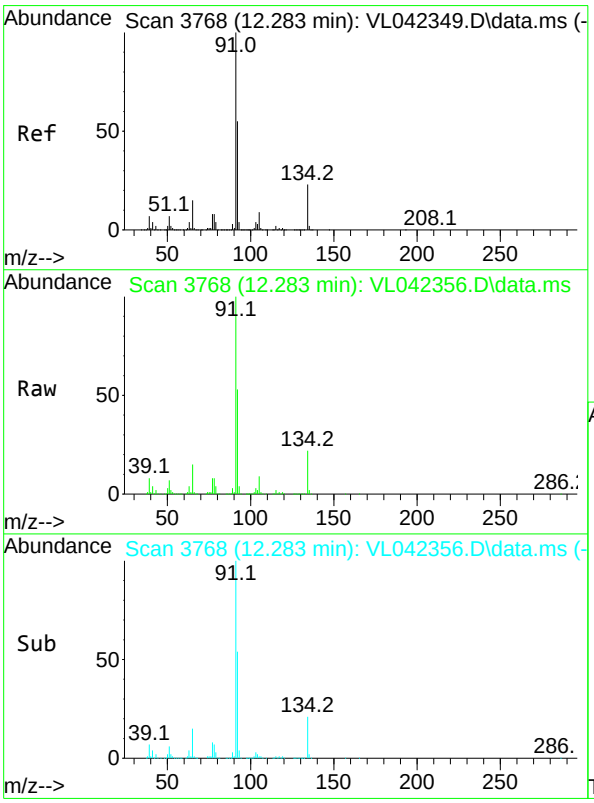
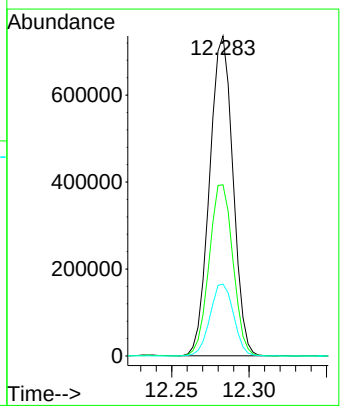
Supervised By :Mahesh Dadoda 04/18/2025

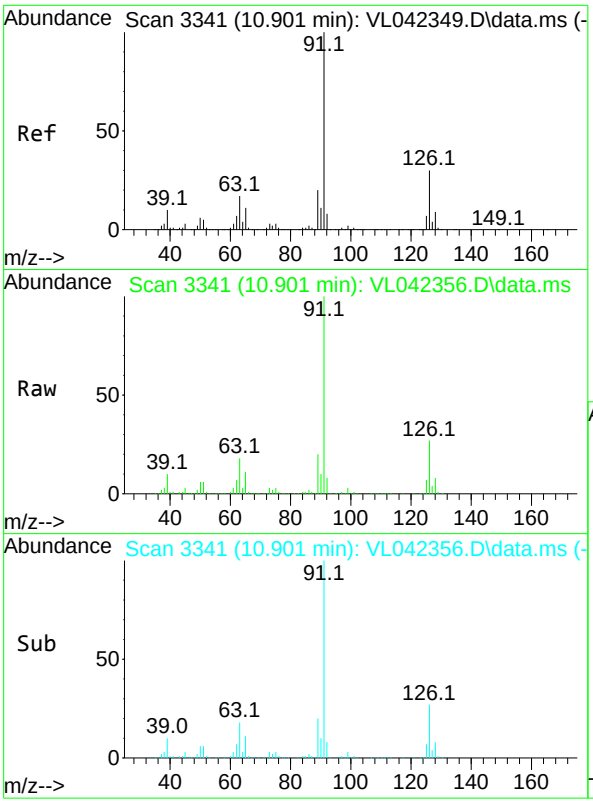


#70
n-Butylbenzene
Concen: 9.255 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 771461

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.2	66.4
134	22.7	18.2	27.4

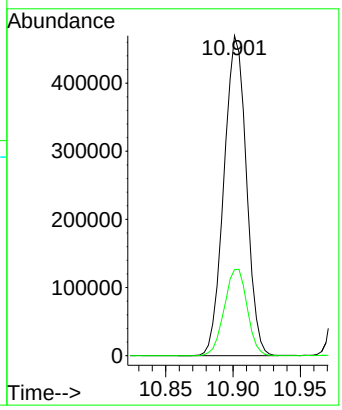




#71
2-Chlorotoluene
Concen: 9.622 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 54379

Ion	Ratio	Lower	Upper
91	100		
126	27.5	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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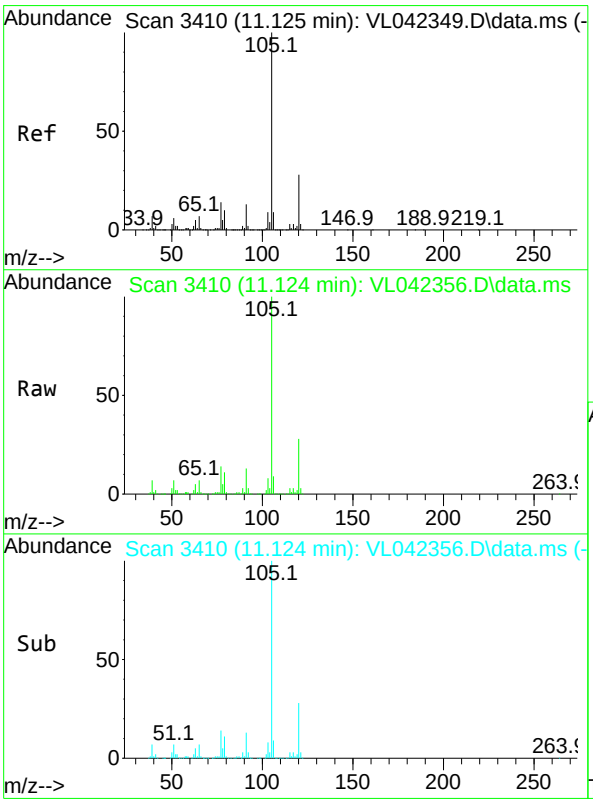
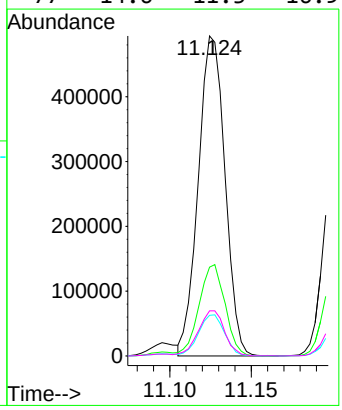
Supervised By :Mahesh Dadoda 04/18/2025

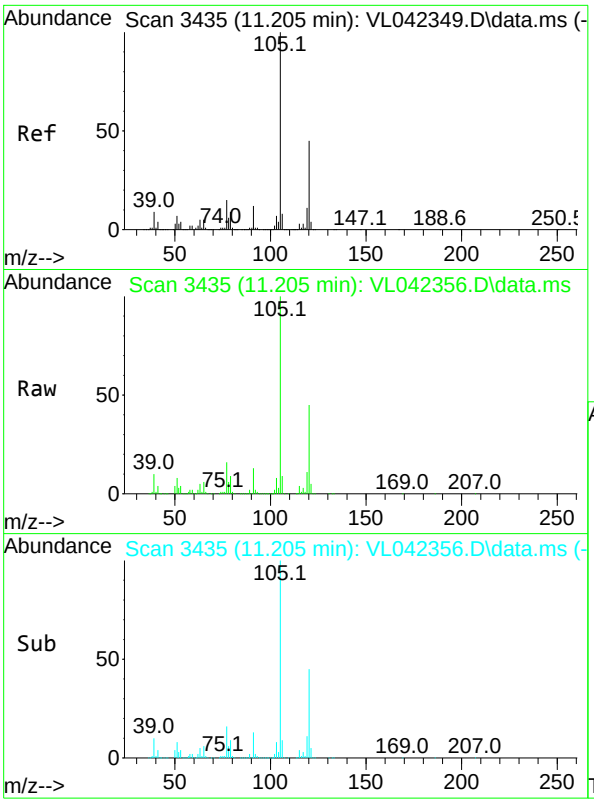


#72
4-Ethyltoluene
Concen: 9.385 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 563136

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.2	34.8
91	13.2	10.4	15.6
77	14.6	11.3	16.9

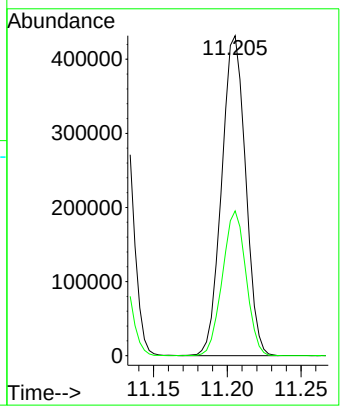




#73
1,3,5-Trimethylbenzene
Concen: 9.186 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 48658

Ion	Ratio	Lower	Upper
105	100		
120	45.2	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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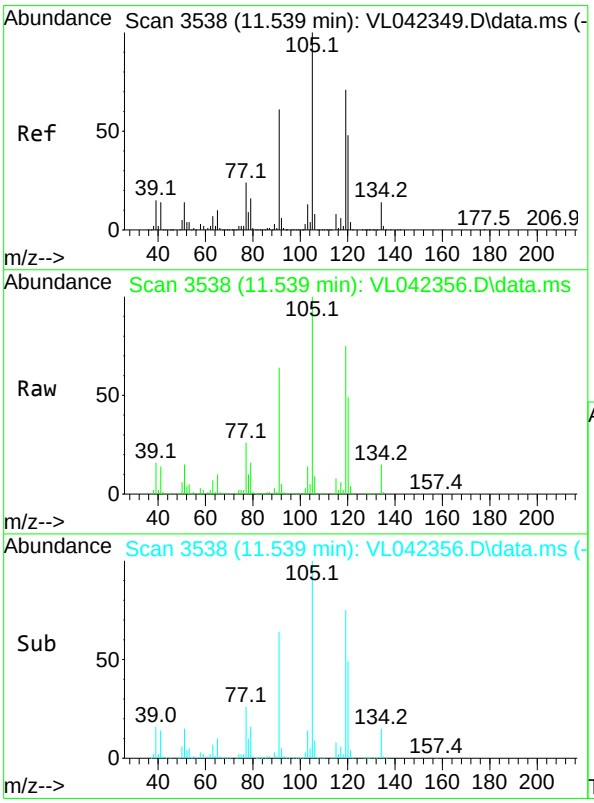
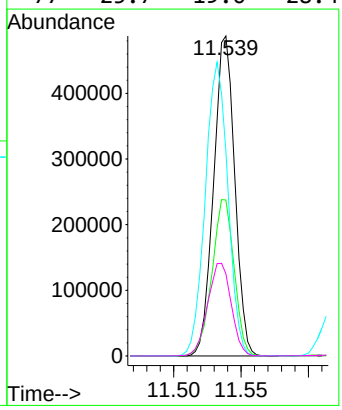
Supervised By :Mahesh Dadoda 04/18/2025

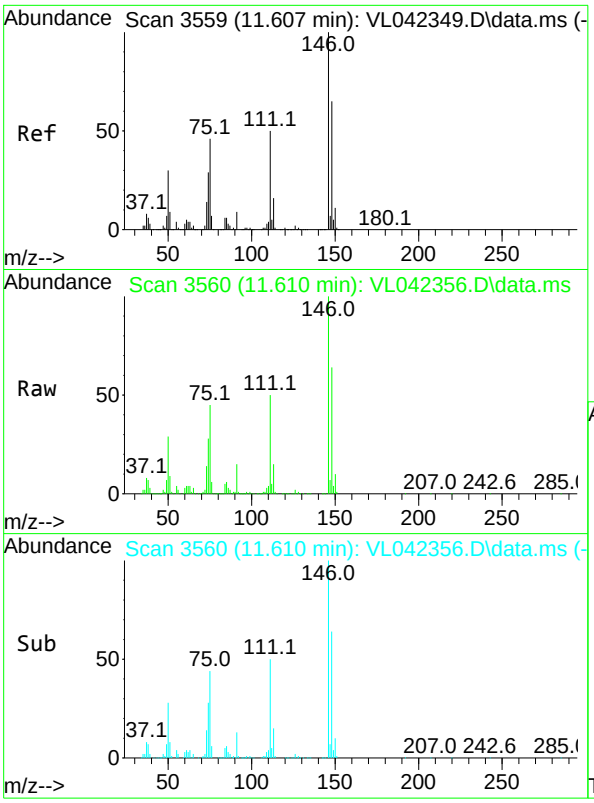


#74
1,2,4-Trimethylbenzene
Concen: 8.592 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 531576

Ion	Ratio	Lower	Upper
105	100		
120	48.7	38.1	57.1
91	64.0	48.8	73.2
77	25.7	19.0	28.4

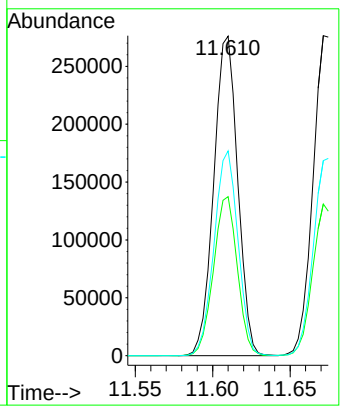




#75
1,3-Dichlorobenzene
Concen: 9.240 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:146 Resp: 29715

Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.3	72.8
148	64.1	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations
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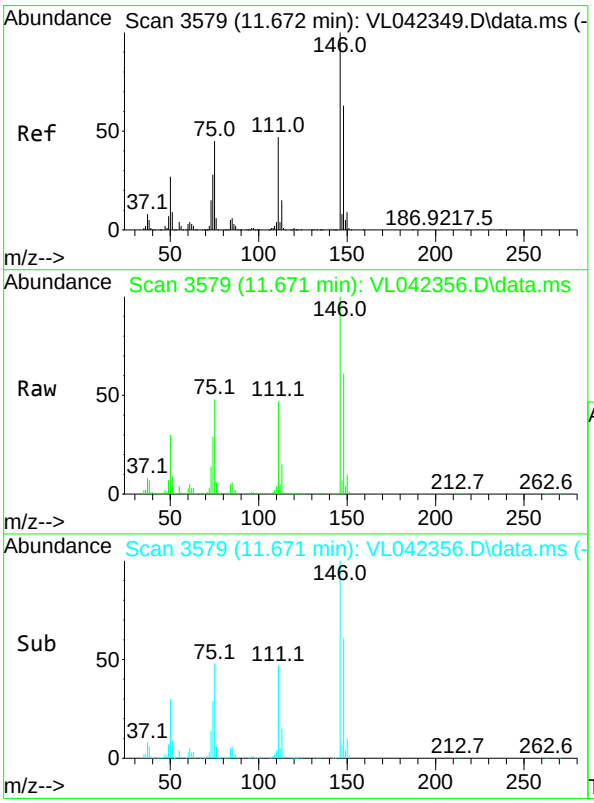
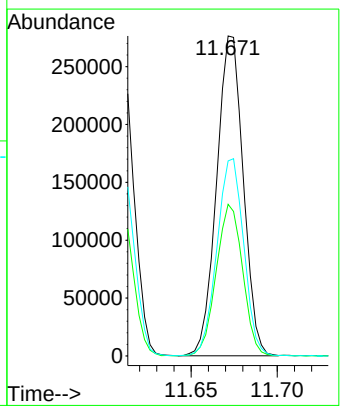
Supervised By :Mahesh Dadoda 04/18/2025

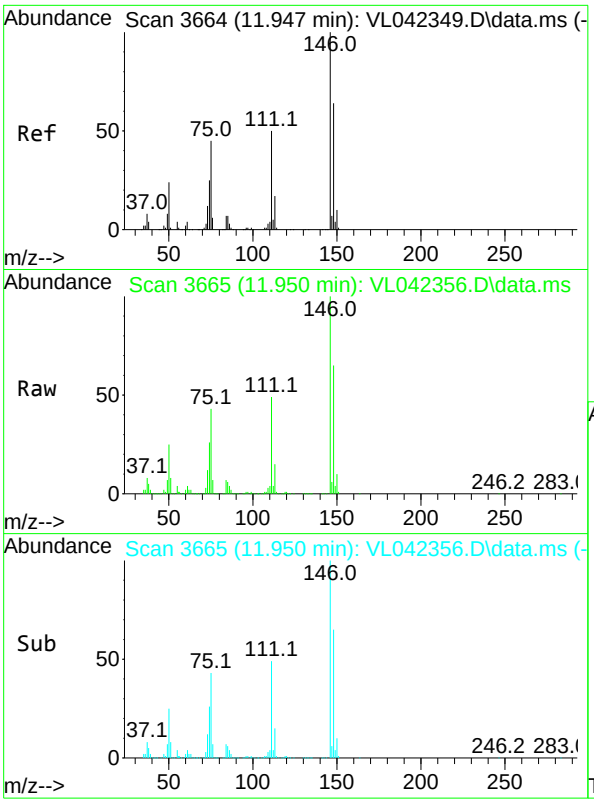


#76
1,4-Dichlorobenzene
Concen: 9.210 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:146 Resp: 297697

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.2	72.6
148	62.3	32.1	96.5

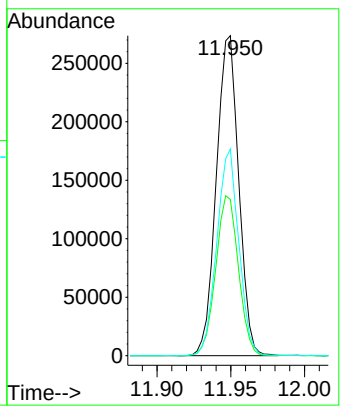




#77
1,2-Dichlorobenzene
Concen: 9.251 ppbv
RT: 11.950 min Scan# 3(
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:146 Resp: 28928(

Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.3	75.9
148	63.4	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

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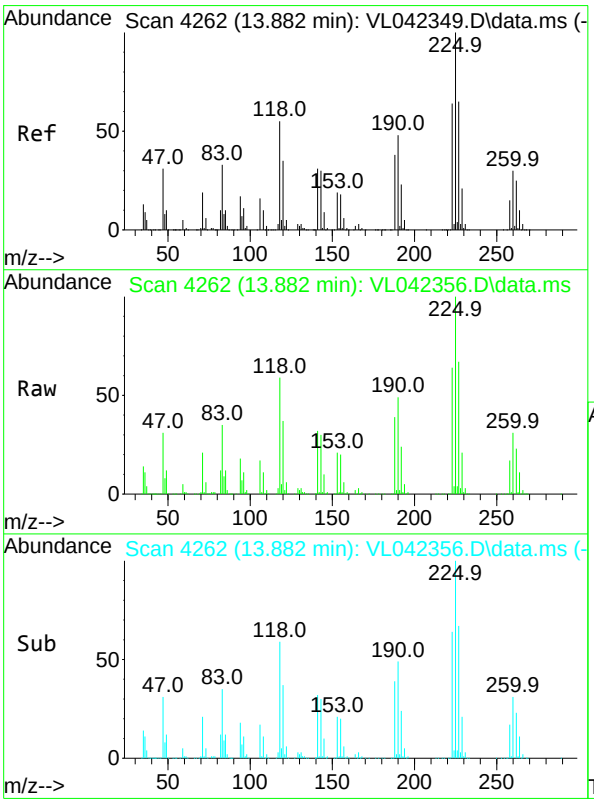
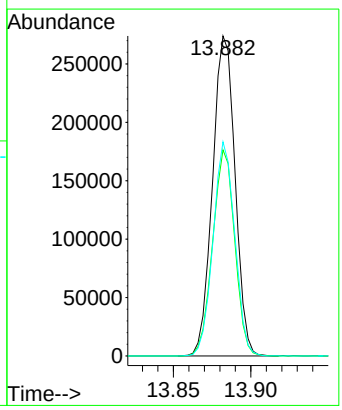
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

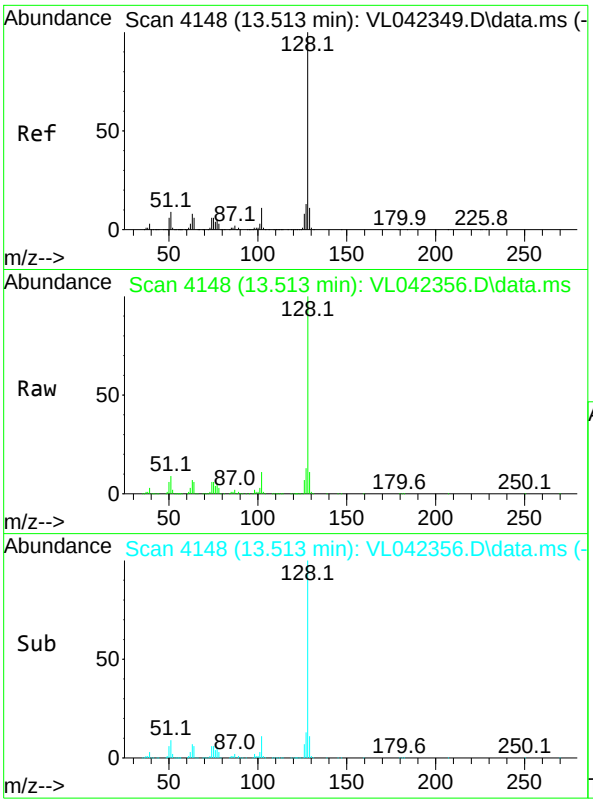


#78
Hexachloro-1,3-Butadiene
Concen: 8.771 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:225 Resp: 276960

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	64.5	51.5	77.3

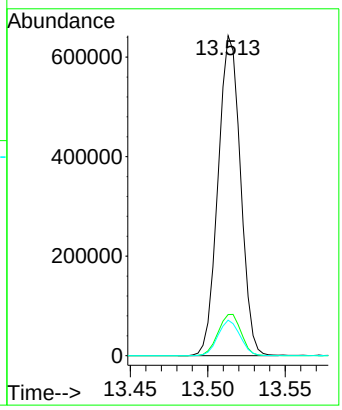




#79
Naphthalene
Concen: 8.750 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:128 Resp: 64734

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.1	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/18/2025
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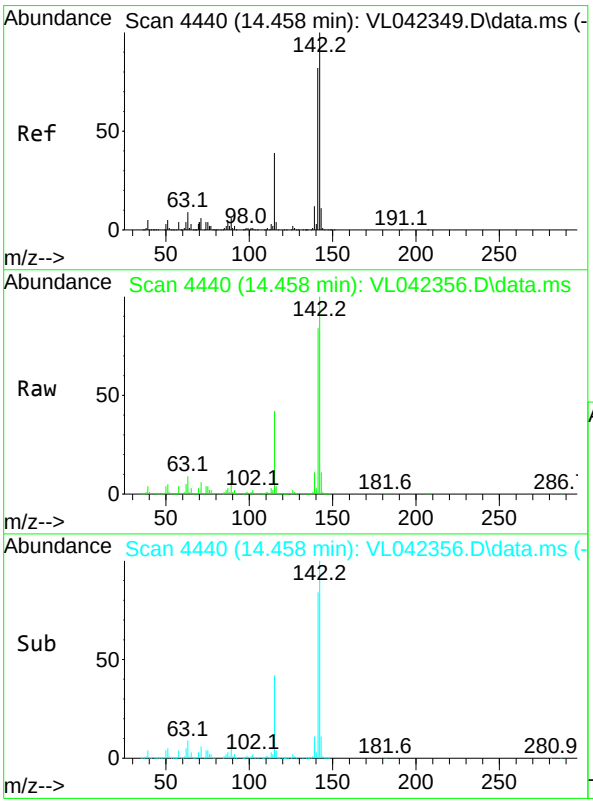
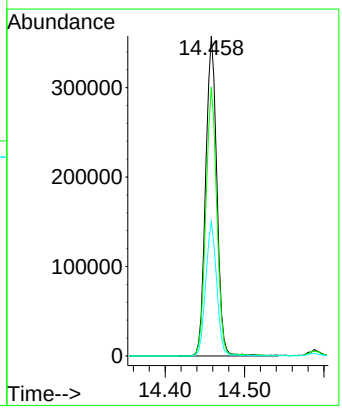
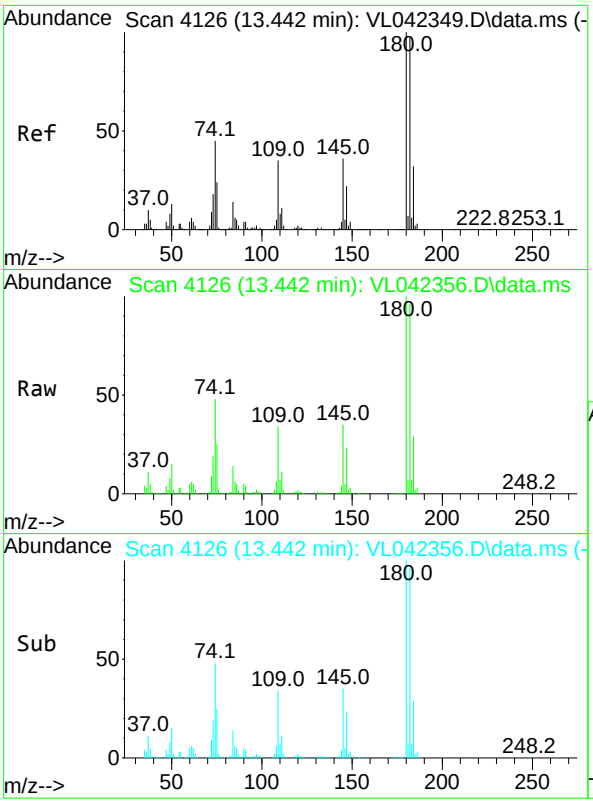


#80
Naphthalene,2-methyl-
Concen: 8.307 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:142 Resp: 350259

Ion	Ratio	Lower	Upper
142	100		
141	83.0	66.8	100.2
115	41.4	33.4	50.2

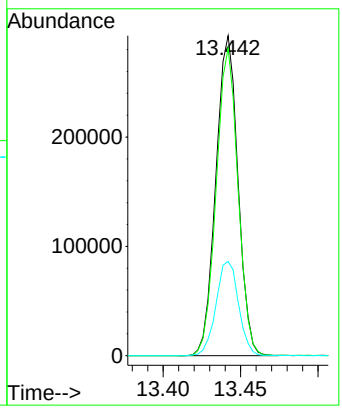




#81
1,2,4-Trichlorobenzene
Concen: 9.136 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:180 Resp: 29026

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
184	30.1	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 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	91	0.00
2	T	Dichlorodifluoromethane	1.767	1.734	1.9	95	0.00
3		Chlorodifluoromethane	1.682	1.676	0.4	97	0.00
4		Chloromethane	0.699	0.685	2.0	95	0.00
5	T	Vinyl Chloride	0.761	0.663	12.9	94	0.00
6	T	Bromomethane	0.327	0.308	5.8	92	0.00
7		Chloroethane	0.275	0.265	3.6	95	0.00
8	T	Dichlorotetrafluoroethane	1.517	1.516	0.1	96	0.00
9	T	Propene	0.766	0.742	3.1	98	0.00
10	T	Heptane	2.153	1.946	9.6	94	0.00
11	T	Trichlorofluoromethane	1.680	1.648	1.9	96	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.374	1.303	5.2	92	0.00
13		Ethanol	0.122	0.037#	69.7#	94	0.00
14	T	Bromoethene	0.518	0.512	1.2	95	0.00
15	T	Acetone	1.637	1.392	15.0	100	0.00
16	T	1,3-Butadiene	0.783	0.691	11.7	96	0.00
17		tert-Butyl alcohol	2.029	1.921	5.3	97	0.00
18	T	1,1-Dichloroethene	0.642	0.596	7.2	93	0.00
19	T	Isopropyl Alcohol	0.909	0.845	7.0	94	0.00
20	T	Methylene Chloride	0.641	0.519	19.0	95	0.00
21	T	Allyl Chloride	1.130	1.059	6.3	99	0.00
22	T	trans-1,2-Dichloroethene	0.731	0.685	6.3	94	0.00
23	T	Vinyl Acetate	0.663	0.644	2.9	105	0.00
24	T	1,1-Dichloroethane	1.388	1.365	1.7	97	0.00
25	T	Ethyl Acetate	4.036	3.939	2.4	97	0.00
26	T	Hexane	1.633	1.542	5.6	98	0.00
27	T	Carbon Disulfide	1.749	1.677	4.1	91	0.00
28	T	Methyl tert-Butyl Ether	1.070	1.011	5.5	98	0.00
29	T	Chloroform	2.309	2.288	0.9	97	0.00
30	T	Cyclohexane	1.320	1.300	1.5	94	0.00
31	T	cis-1,2-Dichloroethene	1.553	1.579	-1.7	98	0.00
32	T	1,1,1-Trichloroethane	2.599	2.426	6.7	97	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
34	T	2-Butanone	0.791	0.767	3.0	99	0.00
35	T	Carbon Tetrachloride	0.905	0.838	7.4	96	0.00
36	T	Benzene	1.079	1.080	-0.1	95	0.00
37	T	1,2-Dichloroethane	0.647	0.653	-0.9	98	0.00
38	T	Trichloroethene	0.471	0.431	8.5	97	0.00
39	T	1,2-Dichloropropane	0.402	0.398	1.0	95	0.00
40	T	1,4-Dioxane	0.221	0.190	14.0	92	0.00
41	T	Tetrahydrofuran	0.461	0.437	5.2	95	0.00
42	T	Bromodichloromethane	0.901	0.915	-1.6	95	0.00
43		Methyl Methacrylate	0.486	0.460	5.3	95	0.00
44	T	2,2,4-Trimethylpentane	1.863	1.868	-0.3	97	0.00
45	T	t-1,3-Dichloropropene	0.497	0.495	0.4	96	0.00
46	T	cis-1,3-Dichloropropene	0.608	0.617	-1.5	96	0.00
47	T	1,1,2-Trichloroethane	0.410	0.418	-2.0	98	0.00
48	T	Dibromochloromethane	0.723	0.731	-1.1	95	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 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	0.633	0.634	-0.2	91	0.00
50	T	4-Methyl-2-Pentanone	1.314	1.159	11.8	95	0.00
51	T	2-Hexanone	1.179	0.957	18.8	95	0.00
52	T	Tetrachloroethene	0.417	0.368	11.8	91	0.00
53	T	Toluene	1.294	1.293	0.1	96	0.00
54	T	1,2-Dibromoethane	0.586	0.574	2.0	94	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.605	0.598	1.2	98	0.00
57	T	Chlorobenzene	1.040	0.997	4.1	94	0.00
58	T	Ethyl Benzene	1.981	1.911	3.5	94	0.00
59	T	m/p-Xylene	1.596	1.527	4.3	95	-0.02
60	T	o-Xylene	1.607	1.521	5.4	95	0.00
61	T	Styrene	0.767	0.753	1.8	94	0.00
62		Isopropylbenzene	2.360	2.246	4.8	93	0.00
63	T	1,1,2,2-Tetrachloroethane	1.042	0.914	12.3	95	0.00
64		n-propylbenzene	0.593	0.565	4.7	94	0.00
65		tert-Butylbenzene	2.169	1.996	8.0	95	0.00
66	T	Benzyl Chloride	0.238	0.206	13.4	76	0.00
67		sec-Butylbenzene	3.017	2.796	7.3	95	0.00
68	S	1-Bromo-4-Fluorobenzene	0.822	0.819	0.4	89	0.00
69		p-Isopropyltoluene	2.621	2.416	7.8	95	0.00
70		n-Butylbenzene	2.730	2.526	7.5	96	0.00
71		2-Chlorotoluene	1.851	1.781	3.8	95	0.00
72	T	4-Ethyltoluene	1.965	1.844	6.2	94	0.00
73	T	1,3,5-Trimethylbenzene	1.735	1.593	8.2	95	0.00
74	T	1,2,4-Trimethylbenzene	2.026	1.741	14.1	94	0.00
75	T	1,3-Dichlorobenzene	1.053	0.973	7.6	93	0.00
76	T	1,4-Dichlorobenzene	1.059	0.975	7.9	93	0.00
77	T	1,2-Dichlorobenzene	1.024	0.947	7.5	95	0.00
78	T	Hexachloro-1,3-Butadiene	1.034	0.907	12.3	95	0.00
79	T	Naphthalene	2.423	2.120	12.5	96	0.00
80	T	Naphthalene,2-methyl-	1.381	1.147	16.9	93	0.00
81	T	1,2,4-Trichlorobenzene	1.040	0.951	8.6	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG No.: Q1880

Instrument ID: MSVOA_L Calibration Date/Time: 04/28/2025 08:44

Lab File ID: VL042416.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.767	1.796		1.64	30
Chloromethane	0.699	0.698		-0.14	30
Vinyl Chloride	0.761	0.679		-10.77	30
Bromomethane	0.327	0.307		-6.12	30
Chloroethane	0.275	0.264		-4	30
Tetrahydrofuran	0.461	0.386		-16.27	30
Trichlorofluoromethane	1.680	1.728		2.86	30
1,1,2-Trichlorotrifluoroethane	1.374	1.337		-2.69	30
Dichlorotetrafluoroethane	1.517	1.551		2.24	30
tert-Butyl alcohol	2.029	1.859		-8.38	30
Heptane	2.153	1.687		-21.64	30
1,1-Dichloroethene	0.642	0.605		-5.76	30
Acetone	1.637	1.412		-13.74	30
Carbon Disulfide	1.749	1.685		-3.66	30
Methyl tert-Butyl Ether	1.070	0.955		-10.75	30
Methylene Chloride	0.641	0.512		-20.13	30
trans-1,2-Dichloroethene	0.731	0.669		-8.48	30
1,1-Dichloroethane	1.388	1.337		-3.67	30
Cyclohexane	1.320	1.168		-11.52	30
2-Butanone	0.791	0.699		-11.63	30
Carbon Tetrachloride	0.905	0.885		-2.21	30
cis-1,2-Dichloroethene	1.553	1.488		-4.18	30
Chloroform	2.309	2.303		-0.26	30
1,1,1-Trichloroethane	2.599	2.470		-4.96	30
2,2,4-Trimethylpentane	1.863	1.630		-12.51	30
Benzene	1.079	0.982		-8.99	30
1,2-Dichloroethane	0.647	0.684		5.72	30
Trichloroethene	0.471	0.396		-15.92	30
1,2-Dichloropropane	0.402	0.354		-11.94	30
Bromodichloromethane	0.901	0.901		0	30
4-Methyl-2-Pentanone	1.314	1.032		-21.46	30
Toluene	1.294	1.154		-10.82	30
t-1,3-Dichloropropene	0.497	0.456		-8.25	30
cis-1,3-Dichloropropene	0.608	0.554		-8.88	30
1,1,2-Trichloroethane	0.410	0.388		-5.37	30
Dibromochloromethane	0.723	0.711		-1.66	30
1,2-Dibromoethane	0.586	0.550		-6.14	30
Tetrachloroethene	0.417	0.331		-20.62	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG No.: Q1880

Instrument ID: MSVOA_L Calibration Date/Time: 04/28/2025 08:44

Lab File ID: VL042416.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.040	0.985		-5.29	30
Ethyl Benzene	1.981	1.861		-6.06	30
m/p-Xylene	1.596	1.522		-4.64	30
o-Xylene	1.607	1.528		-4.92	30
Styrene	0.767	0.698		-9	30
Bromoform	0.633	0.577		-8.85	30
1,1,2,2-Tetrachloroethane	1.042	0.900		-13.63	30
2-Chlorotoluene	1.851	1.752		-5.35	30
1,3,5-Trimethylbenzene	1.735	1.596		-8.01	30
1,2,4-Trimethylbenzene	2.026	1.775		-12.39	30
1,3-Dichlorobenzene	1.053	0.941		-10.64	30
1,4-Dichlorobenzene	1.059	0.952		-10.1	30
1,2-Dichlorobenzene	1.024	0.917		-10.45	30
1,2,4-Trichlorobenzene	1.040	0.884		-15	30
Hexachloro-1,3-Butadiene	1.034	0.871		-15.76	30
1,3-Butadiene	0.783	0.695		-11.24	30
Naphthalene	2.423	2.040		-15.81	30
4-Ethyltoluene	1.965	1.823		-7.23	30
1-Bromo-4-Fluorobenzene	0.822	0.866		5.35	30
Hexane	1.633	1.367		-16.29	30
Allyl Chloride	1.130	1.026		-9.2	30
1,4-Dioxane	220.893	170.527		-22.8	30
Methyl Methacrylate	0.486	0.400		-17.69	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\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	121989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	345031	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305240	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	264197	10.533	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	219089	10.165	ppbv	98
3) Chlorodifluoromethane	1.476	51	192111	9.360	ppbv	99
4) Chloromethane	1.531	50	85195	9.988	ppbv	98
5) Vinyl Chloride	1.580	62	82863	8.925	ppbv	100
6) Bromomethane	1.667	94	37396	9.376	ppbv	83
7) Chloroethane	1.703	64	32235	9.600	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	189174	10.223	ppbv	95
9) Propene	1.483	41	75996	8.131	ppbv	98
10) Heptane	4.975	43	205785	7.837	ppbv	98
11) Trichlorofluoromethane	1.874	101	210830	10.286	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	163109	9.733	ppbv	97
13) Ethanol	1.719	45	4612	3.104	ppbv	98
14) Bromoethene	1.780	108	63235	10.010	ppbv	97
15) Acetone	1.832	43	172207	8.623	ppbv	100
16) 1,3-Butadiene	1.609	39	84816	8.880	ppbv	98
17) tert-Butyl alcohol	2.039	59	226804	9.164	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73751	9.420	ppbv	96
19) Isopropyl Alcohol	1.884	45	101011	9.105	ppbv	93
20) Methylene Chloride	2.059	84	62506	7.992	ppbv	90
21) Allyl Chloride	2.094	41	125215	9.081	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	81589	9.153	ppbv	94
23) Vinyl Acetate	2.460	43	64907	8.030	ppbv	97
24) 1,1-Dichloroethane	2.405	63	163124	9.634	ppbv	99
25) Ethyl Acetate	2.835	43	425121	8.634	ppbv	99
26) Hexane	2.823	57	166789	8.370	ppbv	98
27) Carbon Disulfide	2.146	76	205605	9.637	ppbv	96
28) Methyl tert-Butyl Ether	2.437	73	116474	8.922	ppbv	93
29) Chloroform	2.845	83	280938	9.975	ppbv	99
30) Cyclohexane	3.852	84	142532	8.849	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	181514	9.581	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	301259	9.501	ppbv	99
34) 2-Butanone	2.554	43	241047	8.834	ppbv	99
35) Carbon Tetrachloride	3.758	117	305477	9.783	ppbv	96
36) Benzene	3.654	78	338736	9.102	ppbv	97
37) 1,2-Dichloroethane	3.214	62	235966	10.564	ppbv	97
38) Trichloroethene	4.541	130	136731	8.406	ppbv	95
39) 1,2-Dichloropropane	4.308	63	122213	8.813	ppbv	97
40) 1,4-Dioxane	4.577	88	58837	7.720	ppbv #	95
41) Tetrahydrofuran	3.052	42	133063	8.363	ppbv	99
42) Bromodichloromethane	4.483	83	310726	9.996	ppbv #	96
43) Methyl Methacrylate	4.878	69	138030	8.230	ppbv	94
44) 2,2,4-Trimethylpentane	4.635	57	562403	8.750	ppbv	96
45) t-1,3-Dichloropropene	6.409	75	157191	9.175	ppbv	95

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	191165	9.117	ppbv #	88
47) 1,1,2-Trichloroethane	6.574	97	133821	9.471	ppbv	96
48) Dibromochloromethane	7.383	129	245439	9.832	ppbv	99
49) Bromoform	9.480	173	198991	9.117	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	356129	7.854	ppbv	99
51) 2-Hexanone	7.431	43	287045	7.058	ppbv	98
52) Tetrachloroethene	8.221	164	114038	7.928	ppbv	91
53) Toluene	6.927	91	398162	8.916	ppbv	100
54) 1,2-Dibromoethane	7.648	107	189639	9.378	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.920	131	184161	9.969	ppbv	97
57) Chlorobenzene	8.917	112	300677	9.471	ppbv	98
58) Ethyl Benzene	9.354	91	568129	9.394	ppbv	98
59) m/p-Xylene	9.548	91	929203m	19.073	ppbv	
60) o-Xylene	9.963	91	466411	9.507	ppbv	97
61) Styrene	9.865	104	213119	9.101	ppbv	98
62) Isopropylbenzene	10.535	105	680837	9.452	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	274653	8.639	ppbv	99
64) n-propylbenzene	10.989	120	166984	9.223	ppbv	98
65) tert-Butylbenzene	11.529	119	610304	9.219	ppbv	95
66) Benzyl Chloride	11.613	91	59187	8.136	ppbv	99
67) sec-Butylbenzene	11.765	105	854169	9.276	ppbv	99
69) p-Isopropyltoluene	11.924	119	732365	9.155	ppbv	97
70) n-Butylbenzene	12.280	91	765539	9.188	ppbv	99
71) 2-Chlorotoluene	10.898	91	534834	9.467	ppbv	98
72) 4-Ethyltoluene	11.121	105	556591	9.280	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	487223	9.201	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	541720	8.759	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	287285	8.936	ppbv	97
76) 1,4-Dichlorobenzene	11.671	146	290512	8.991	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	279962	8.956	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	265745	8.419	ppbv	100
79) Naphthalene	13.513	128	622606	8.418	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	328047	7.783	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	269711	8.493	ppbv	99

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

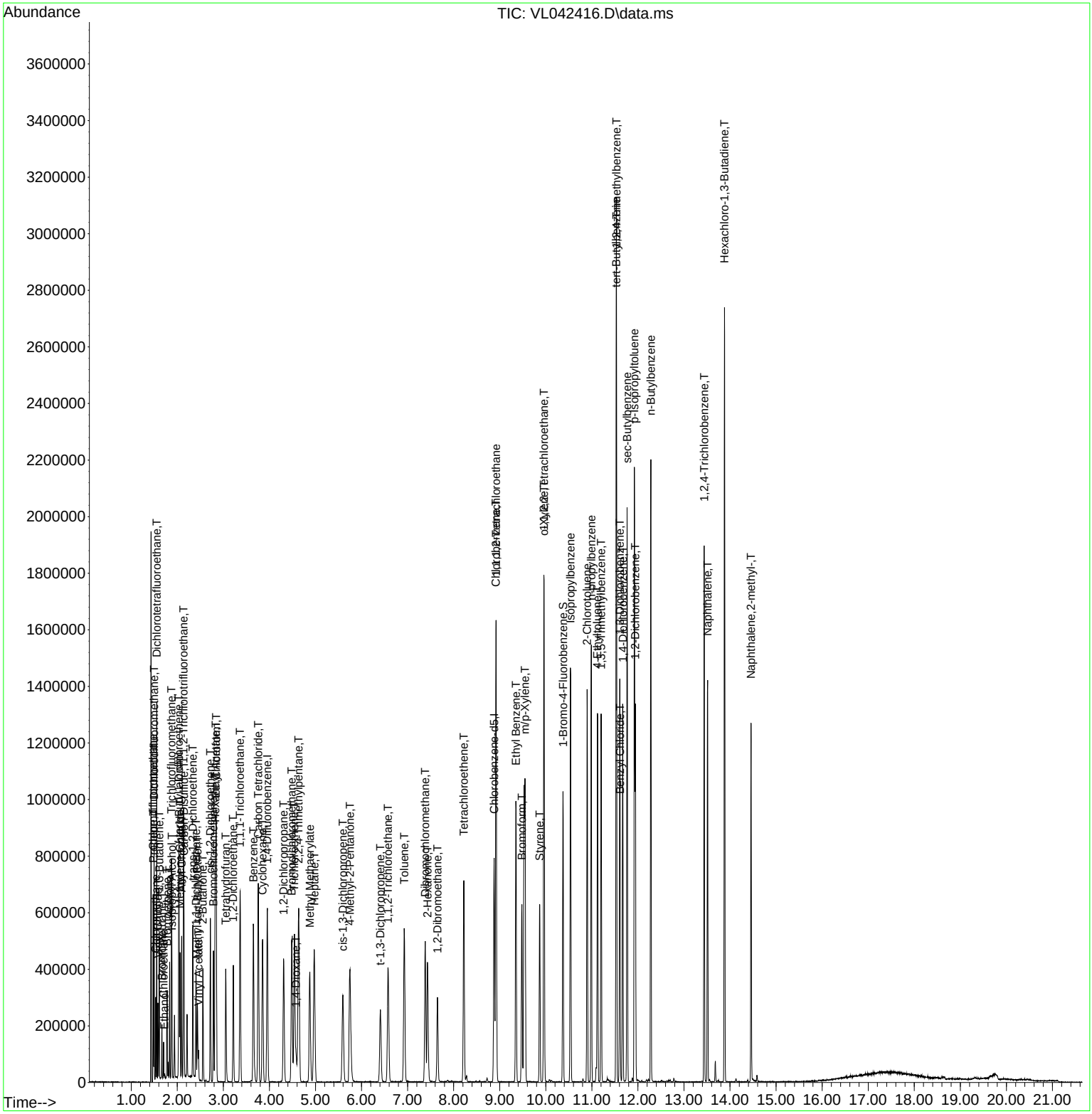
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

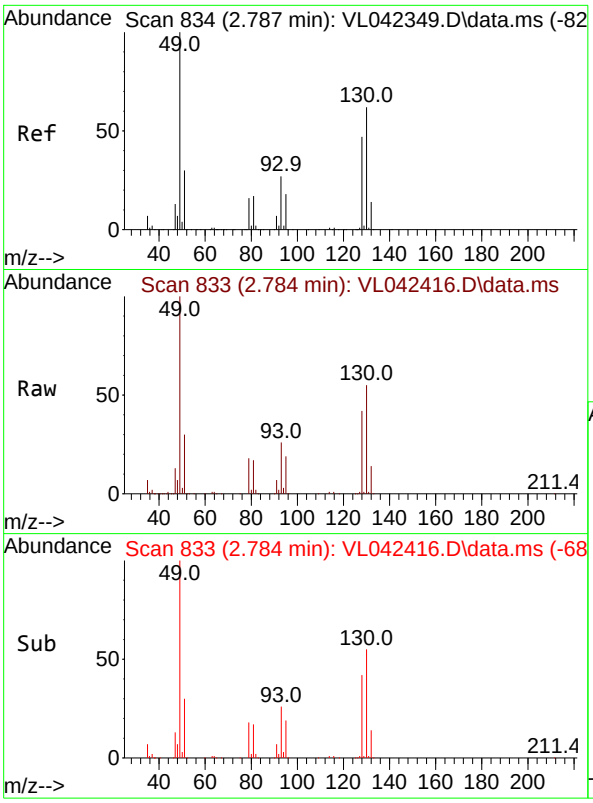
Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

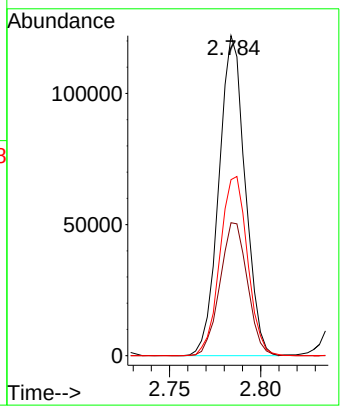




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 49 Resp: 12198

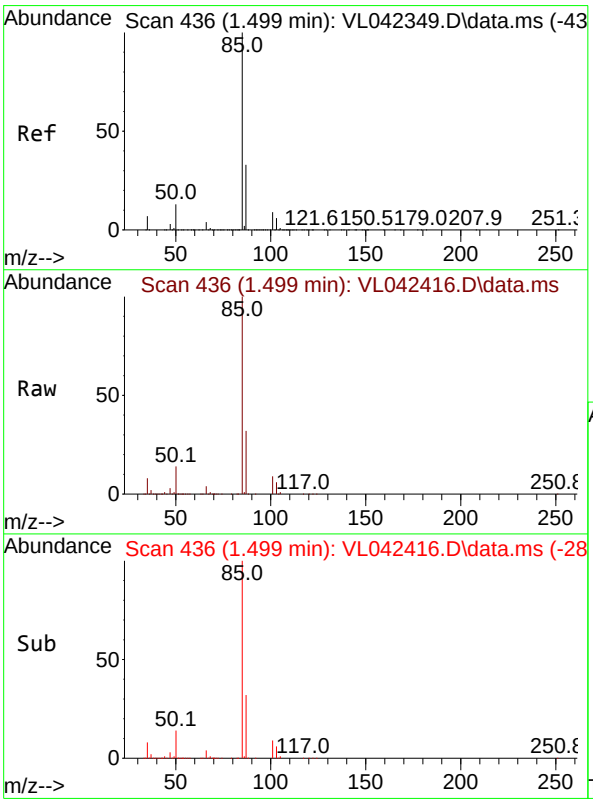
Ion	Ratio	Lower	Upper
49	100		
128	43.6	22.8	68.4
130	59.0	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

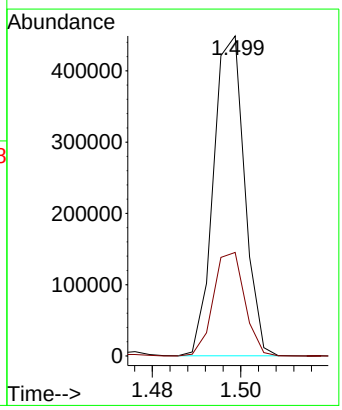
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

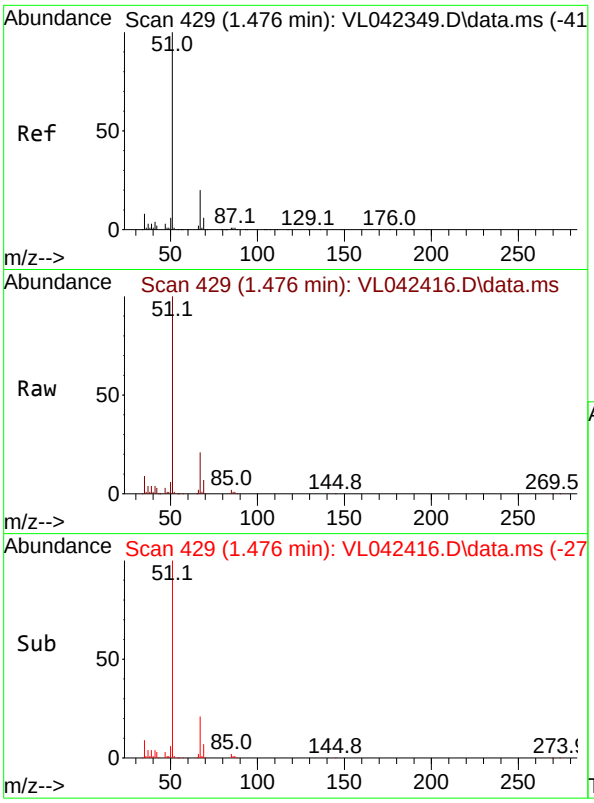


#2
Dichlorodifluoromethane
Concen: 10.165 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 219089

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.6	39.8

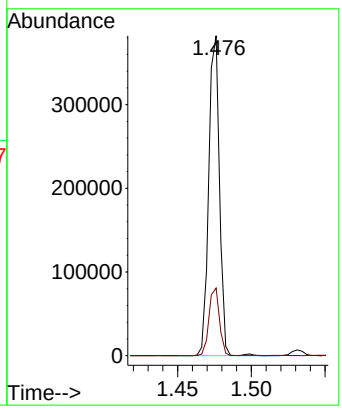




#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 51 Resp: 19211

Ion	Ratio	Lower	Upper
51	100		
67	21.0	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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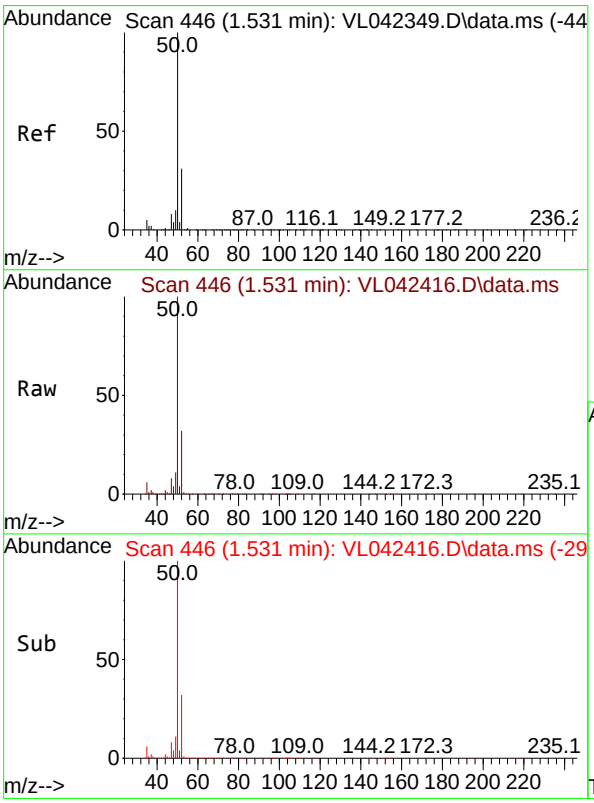
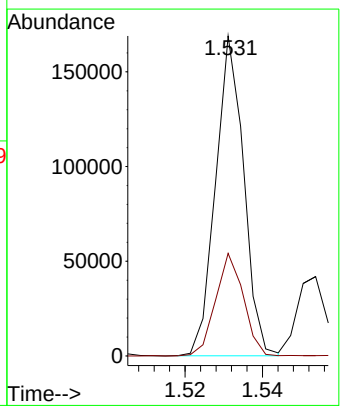
Supervised By :Mahesh Dadoda 04/30/2025

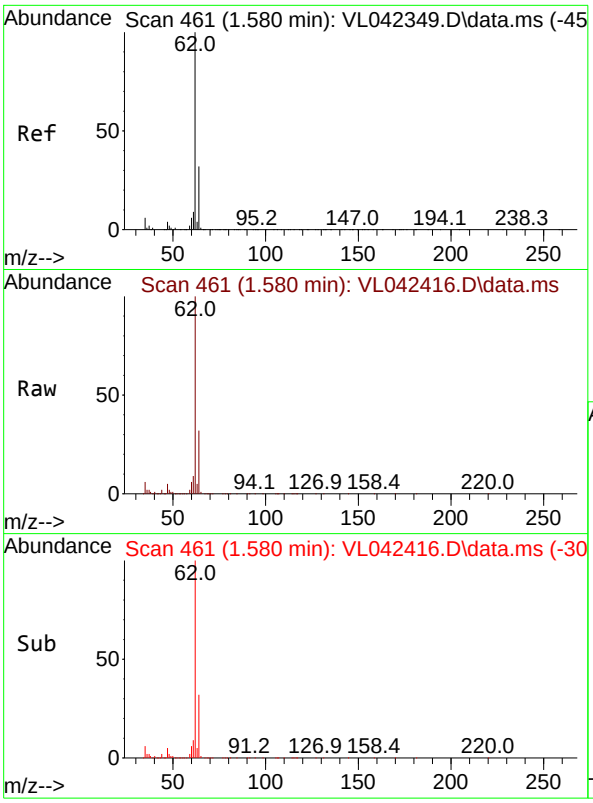


#4
Chloromethane
Concen: 9.988 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 50 Resp: 85195

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.7	37.1

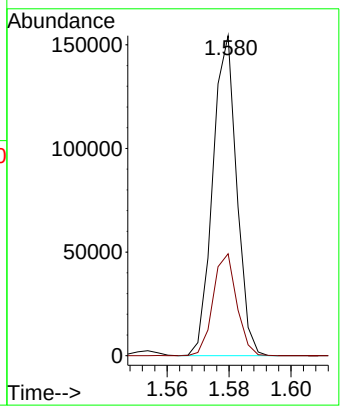




#5
Vinyl Chloride
Concen: 8.925 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 62 Resp: 8286

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0



Instrument :
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ClientSampleId :
VSTDCCC010

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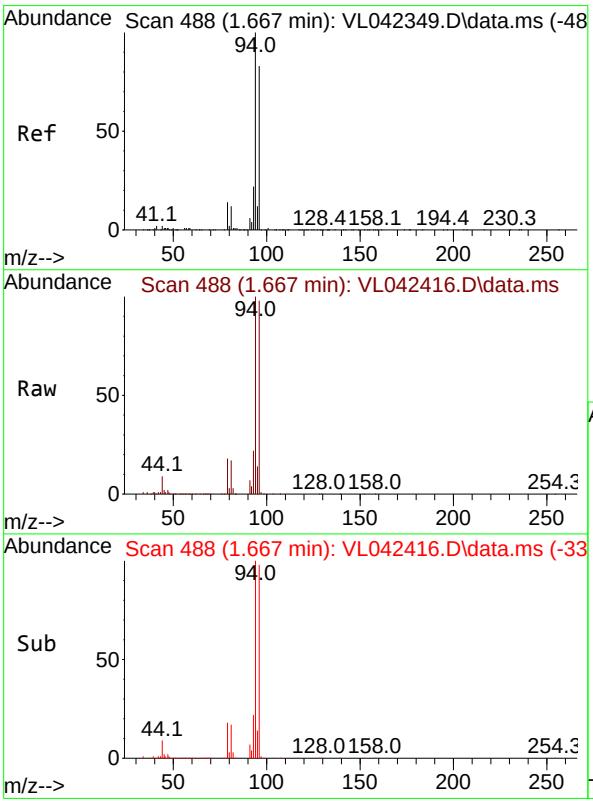
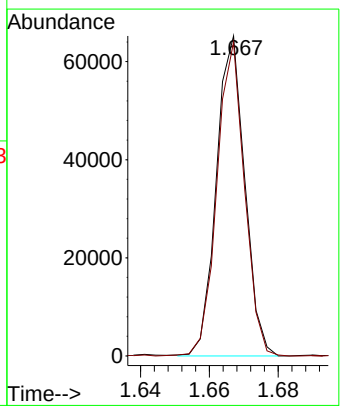
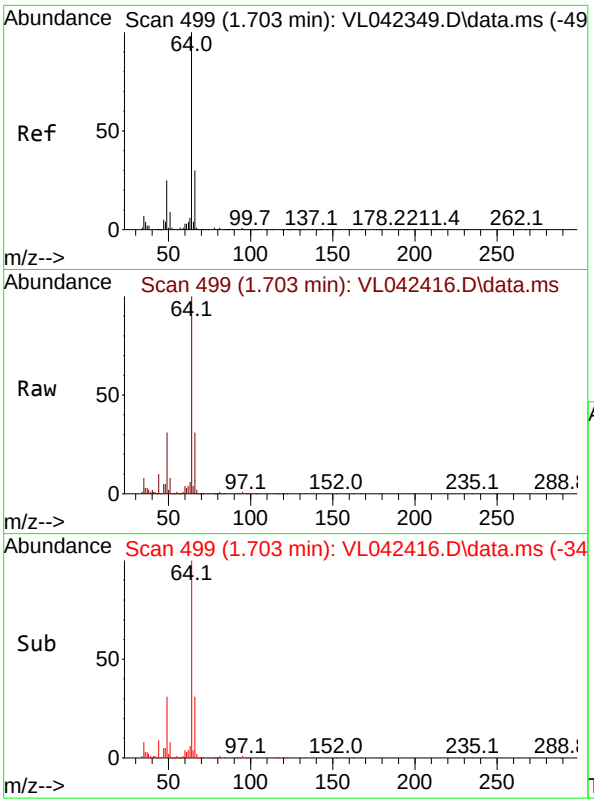


#6
Bromomethane
Concen: 9.376 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 94 Resp: 37396

Ion	Ratio	Lower	Upper
94	100		
96	97.7	66.2	99.2

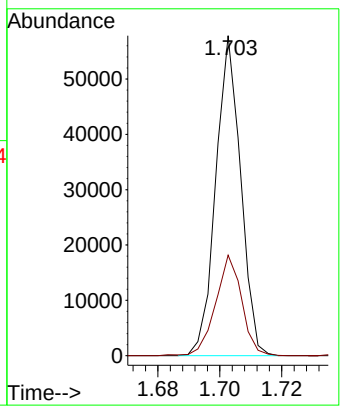




#7
Chloroethane
Concen: 9.600 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 64 Resp: 3223

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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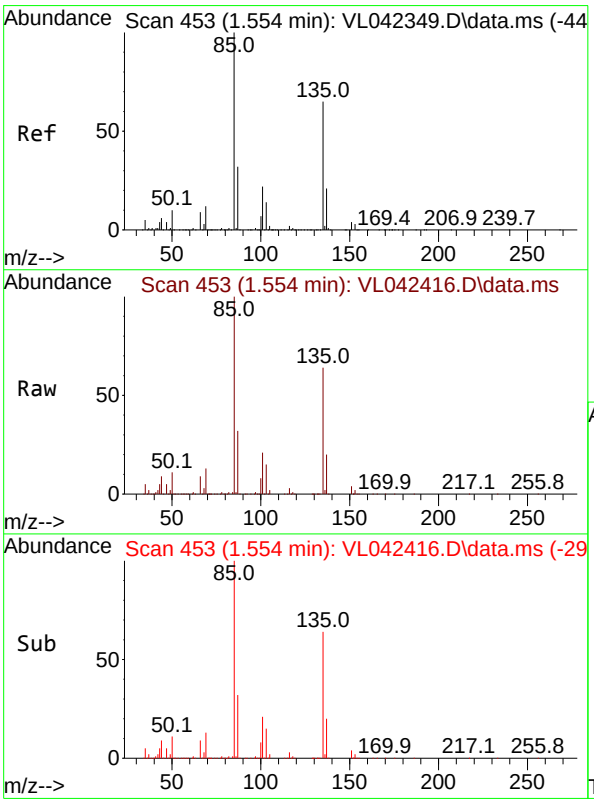
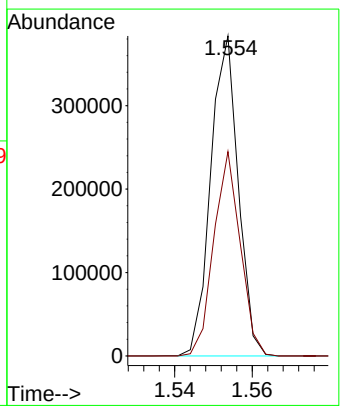
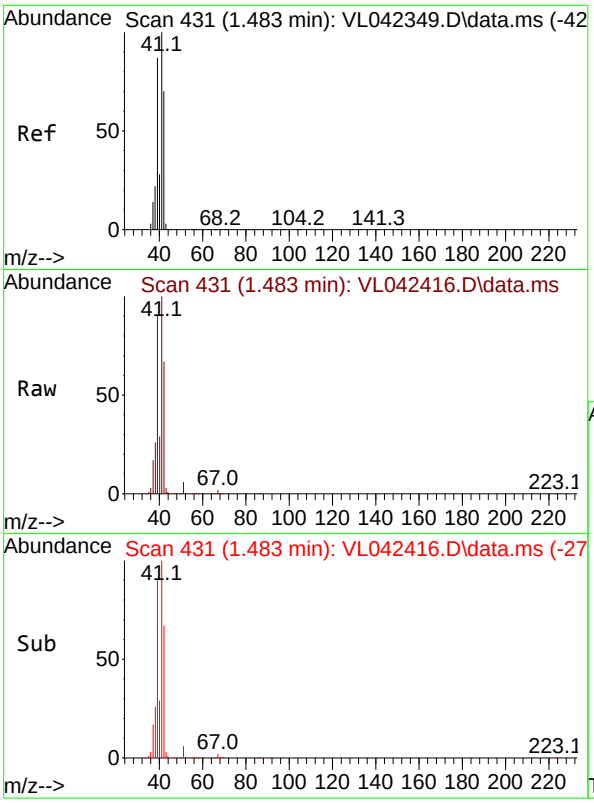


#8
Dichlorotetrafluoroethane
Concen: 10.223 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 189174

Ion	Ratio	Lower	Upper
85	100		
135	61.6	52.2	78.2

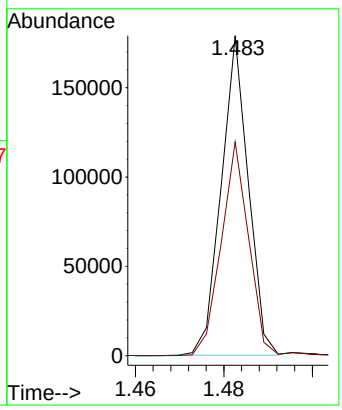




#9
Propene
Concen: 8.131 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 41 Resp: 7599

Ion	Ratio	Lower	Upper
41	100		
42	69.0	56.2	84.4



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ClientSampleId :
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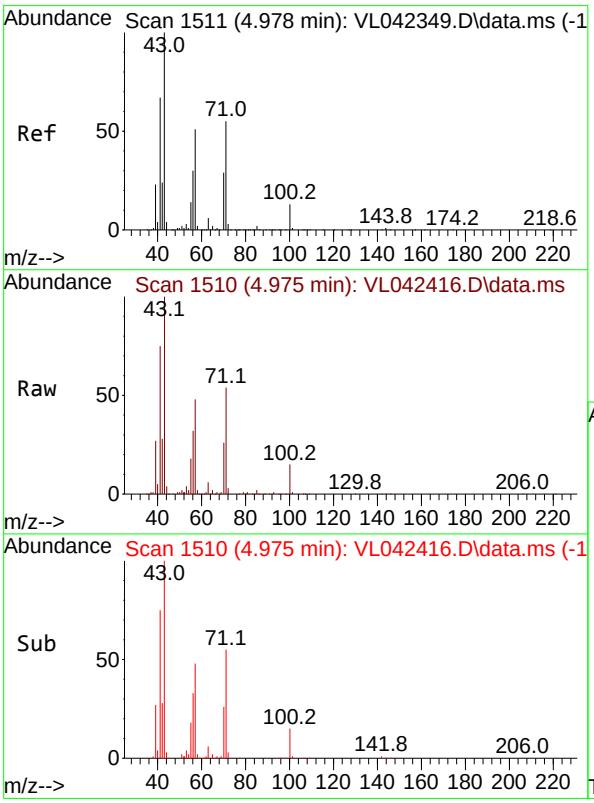
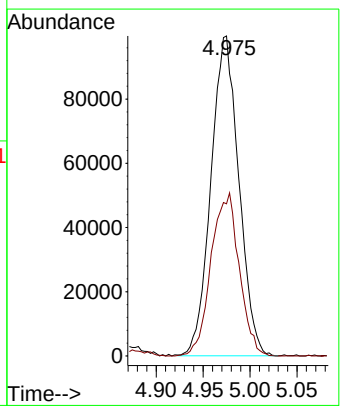
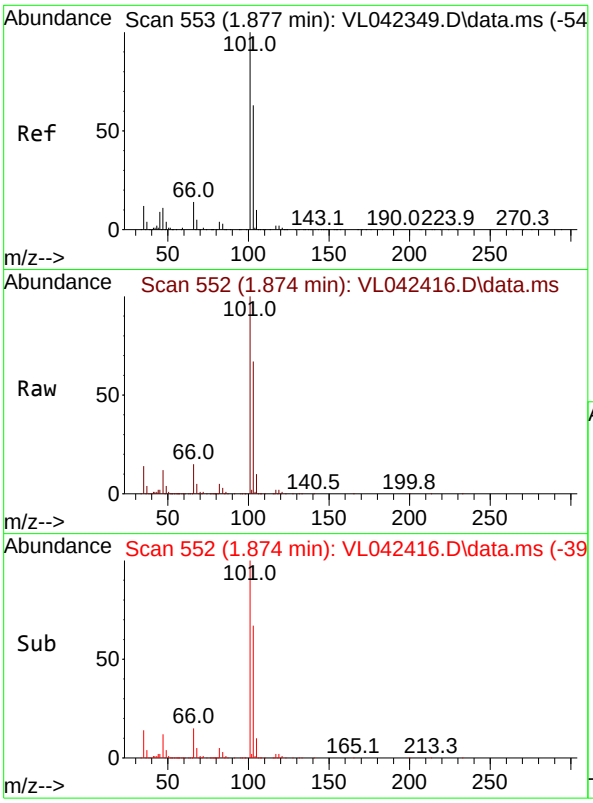


#10
Heptane
Concen: 7.837 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 205785

Ion	Ratio	Lower	Upper
43	100		
57	51.3	39.9	59.9

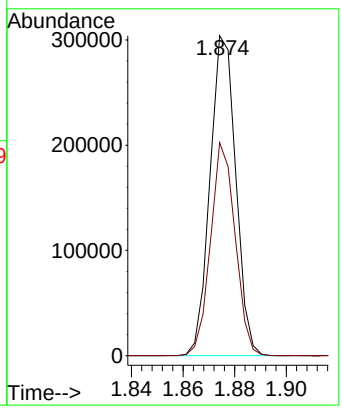




#11
Trichlorofluoromethane
Concen: 10.286 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:101 Resp: 21083

Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.1	75.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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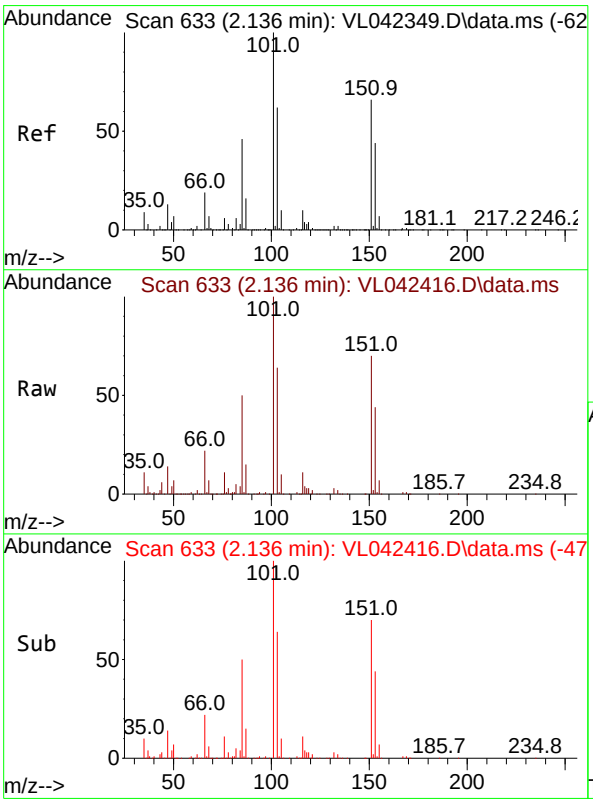
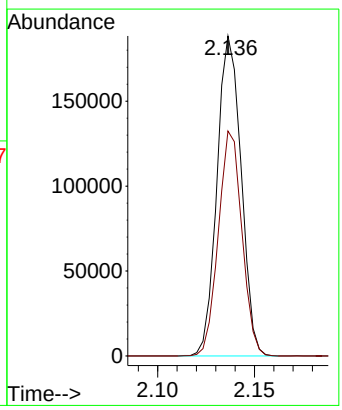
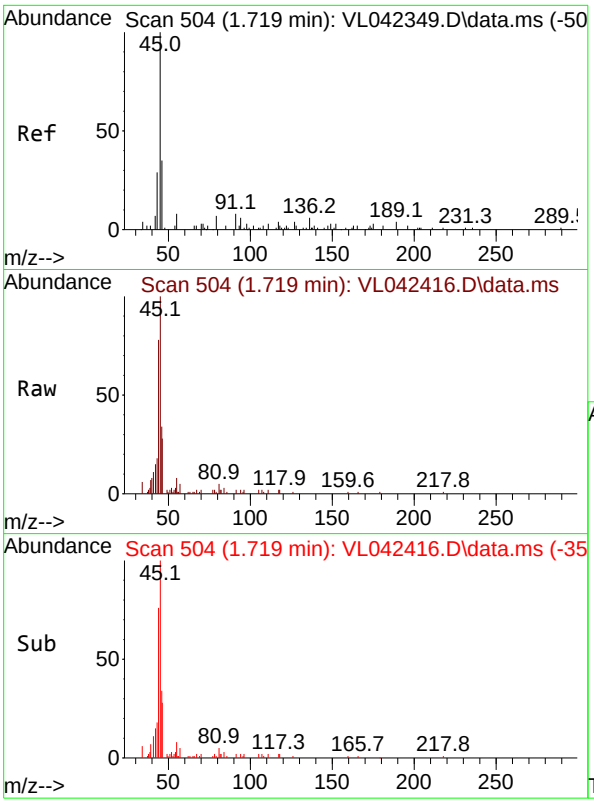


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.733 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:101 Resp: 163109

Ion	Ratio	Lower	Upper
101	100		
151	68.6	57.0	85.6

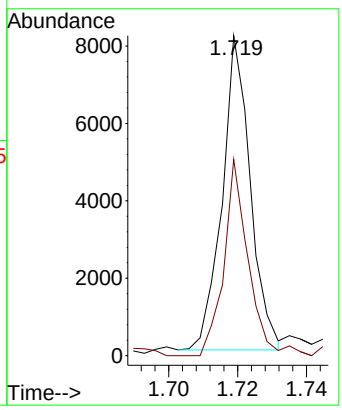




#13
Ethanol
Concen: 3.104 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 45 Resp: 461

Ion	Ratio	Lower	Upper
45	100		
46	56.4	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
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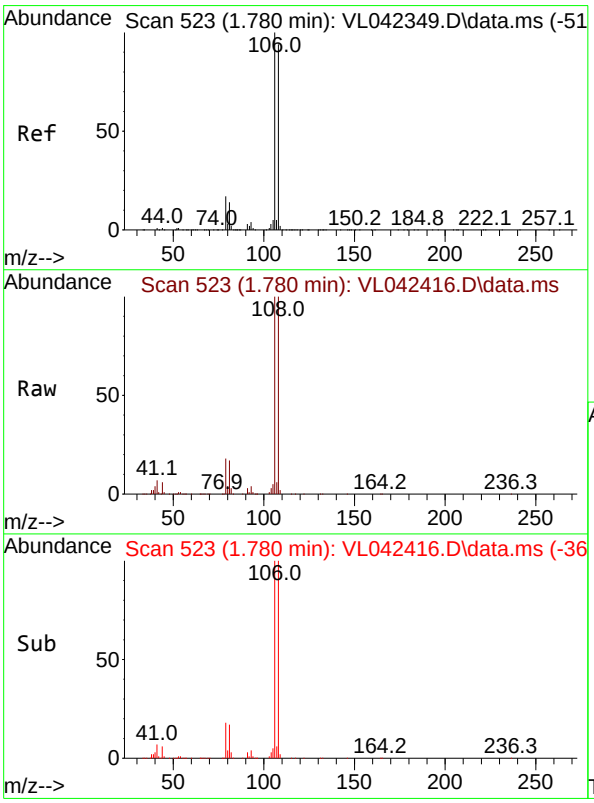
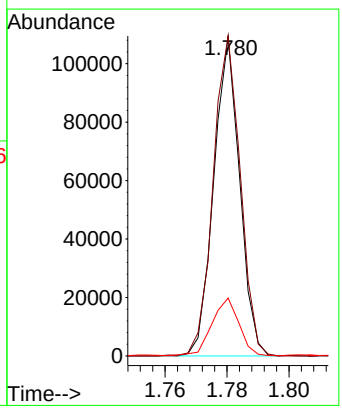
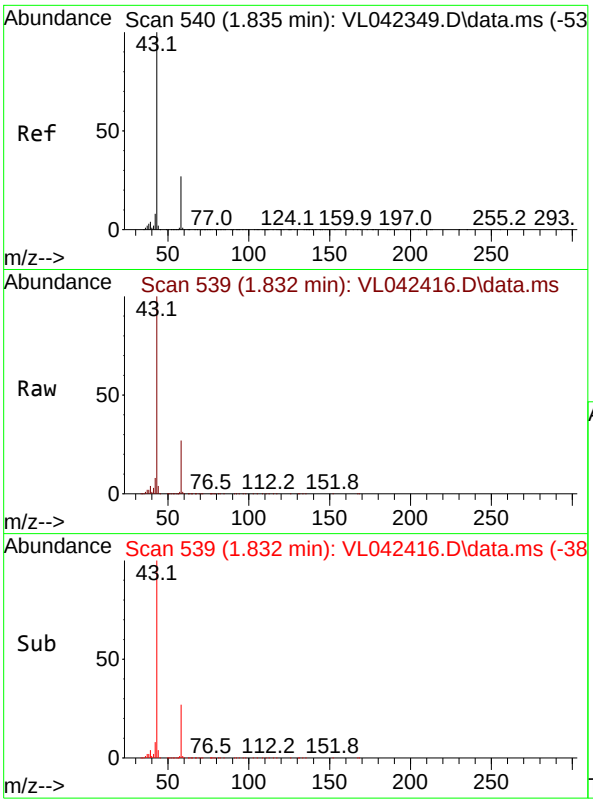


#14
Bromoethene
Concen: 10.010 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:108 Resp: 63235

Ion	Ratio	Lower	Upper
108	100		
106	105.2	85.9	128.9
79	20.7	13.9	20.9

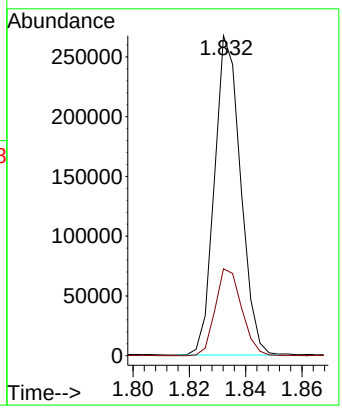




#15
Acetone
Concen: 8.623 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 17220

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6



Instrument :
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ClientSampleId :
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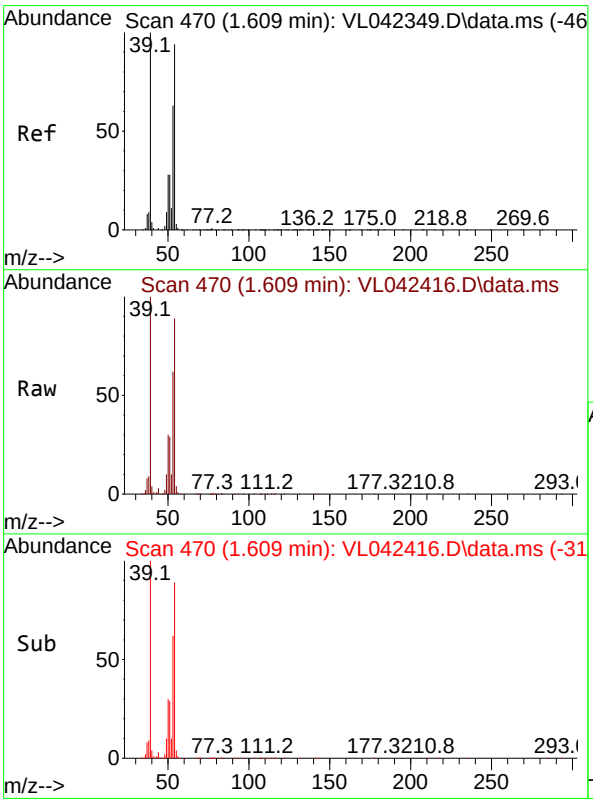
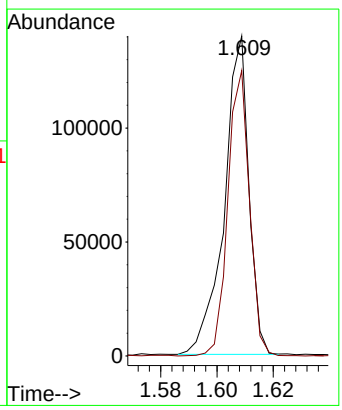
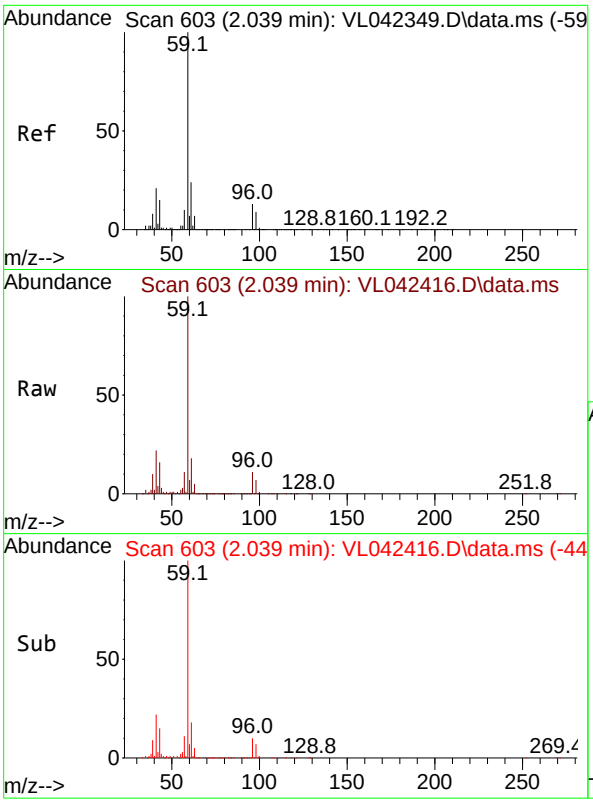


#16
1,3-Butadiene
Concen: 8.880 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 39 Resp: 84816

Ion	Ratio	Lower	Upper
39	100		
54	79.2	64.9	97.3

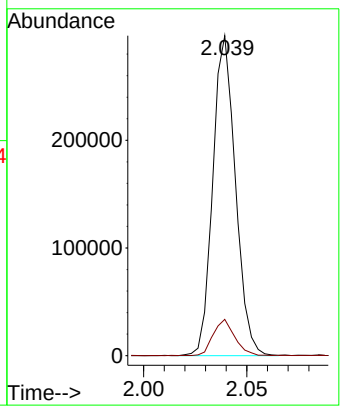




#17
tert-Butyl alcohol
Concen: 9.164 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 59 Resp: 22680

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1



Instrument :
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ClientSampleId :
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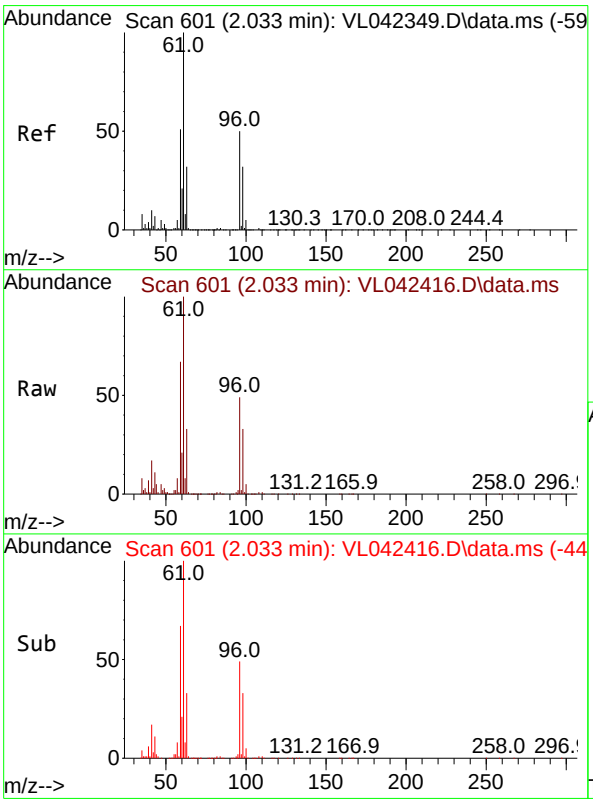
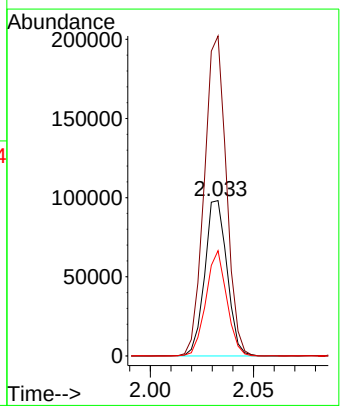
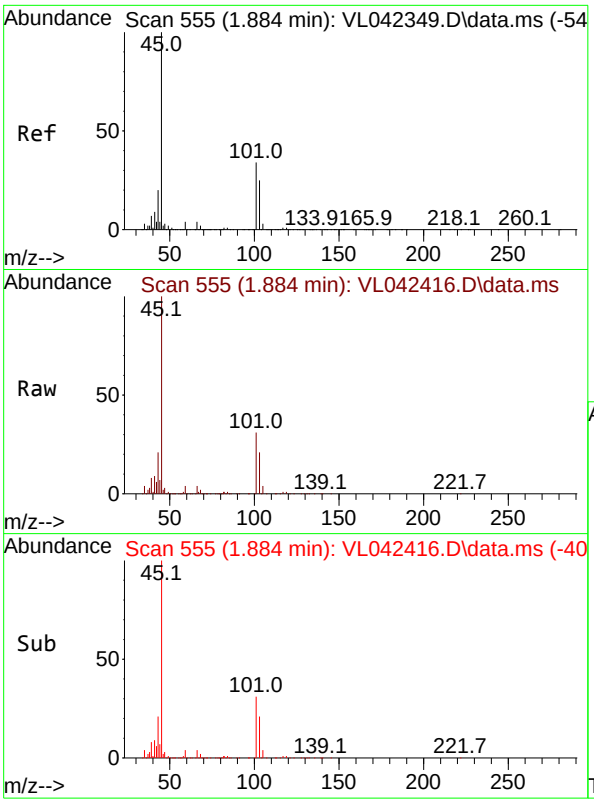


#18
1,1-Dichloroethene
Concen: 9.420 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 96 Resp: 73751

Ion	Ratio	Lower	Upper
96	100		
61	205.9	160.2	240.2
98	67.8	51.0	76.4

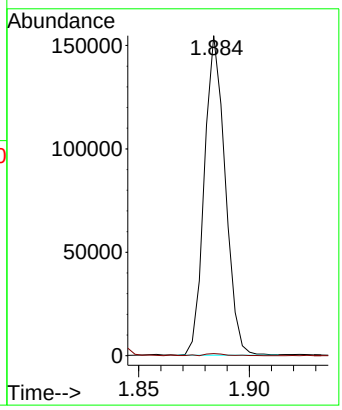




#19
Isopropyl Alcohol
Concen: 9.105 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 45 Resp: 10101

Ion	Ratio	Lower	Upper
45	100		
58	47.3	34.5	51.7



Instrument :
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ClientSampleId :
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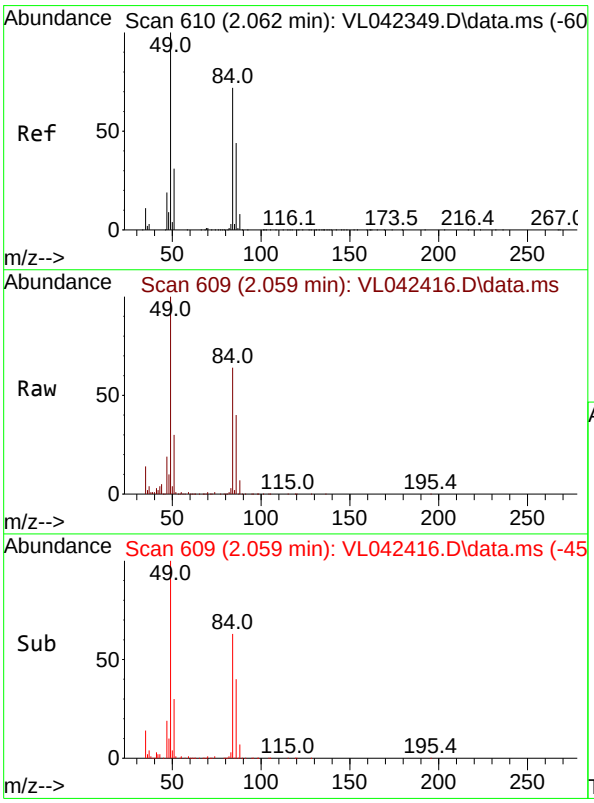
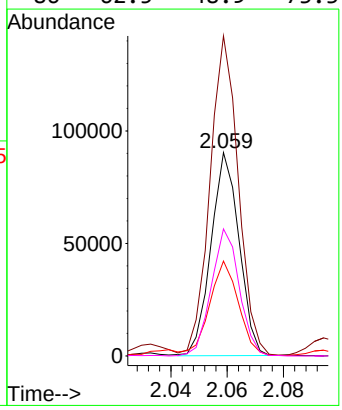
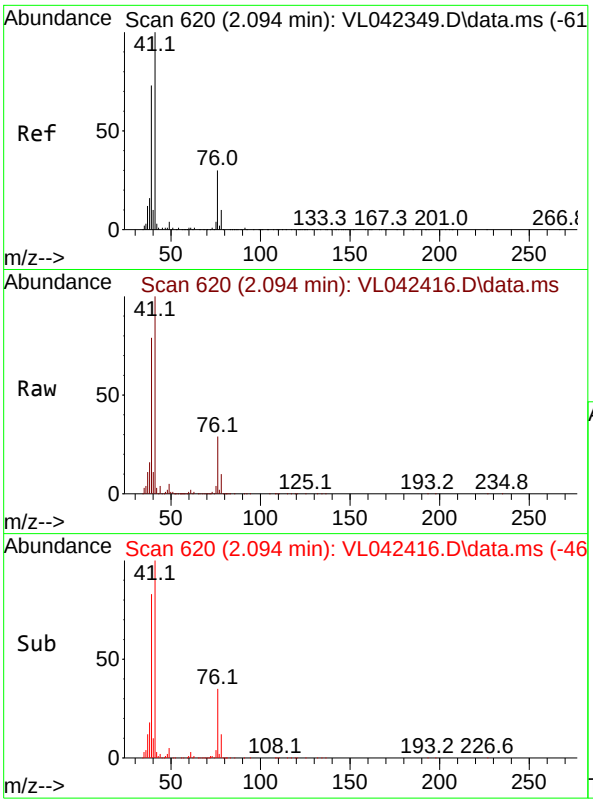


#20
Methylene Chloride
Concen: 7.992 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 84 Resp: 62506

Ion	Ratio	Lower	Upper
84	100		
49	157.3	111.6	167.4
51	46.5	35.1	52.7
86	62.5	48.9	73.3

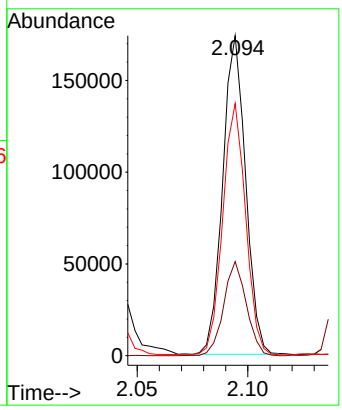




#21
Allyl Chloride
Concen: 9.081 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 41 Resp: 12521

Ion	Ratio	Lower	Upper
41	100		
76	29.2	24.8	37.2
39	78.4	60.6	90.8



Instrument :
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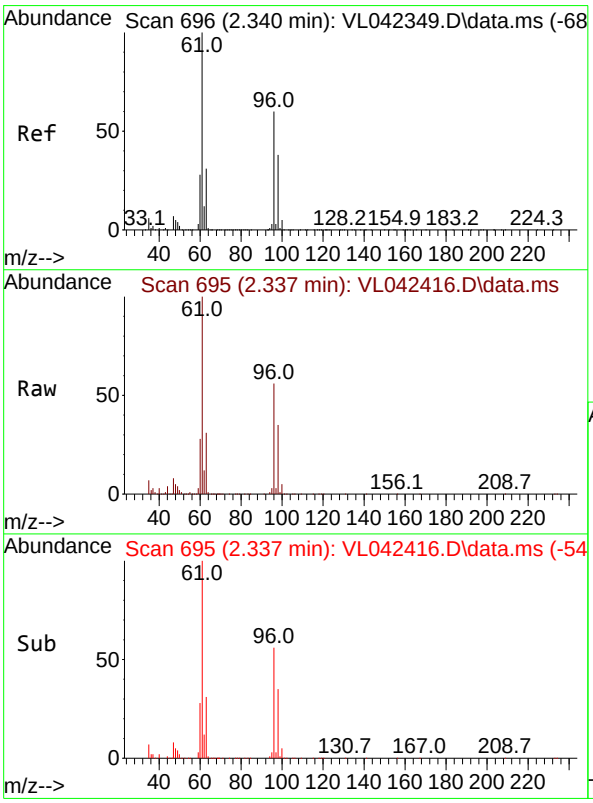
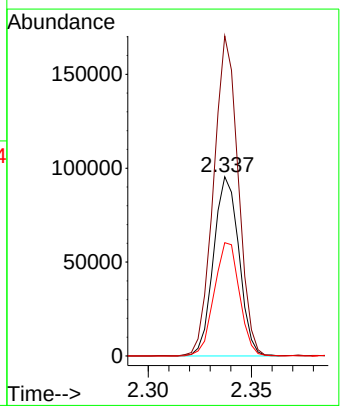
Supervised By :Mahesh Dadoda 04/30/2025

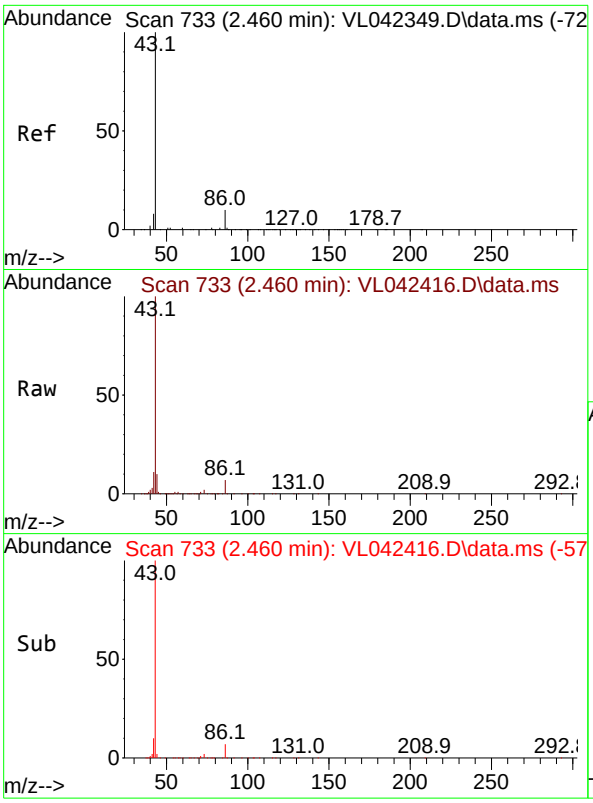


#22
trans-1,2-Dichloroethene
Concen: 9.153 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 96 Resp: 81589

Ion	Ratio	Lower	Upper
96	100		
61	178.4	133.7	200.5
98	63.2	50.3	75.5

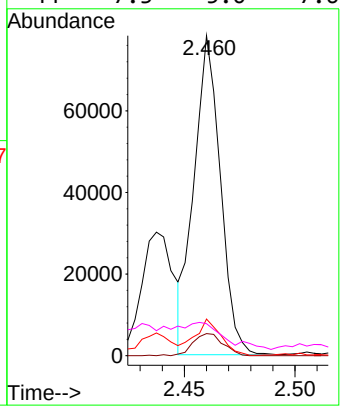




#23
Vinyl Acetate
Concen: 8.030 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 6490

Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.5	9.7
42	11.1	7.8	11.8
44	7.3	5.0	7.6



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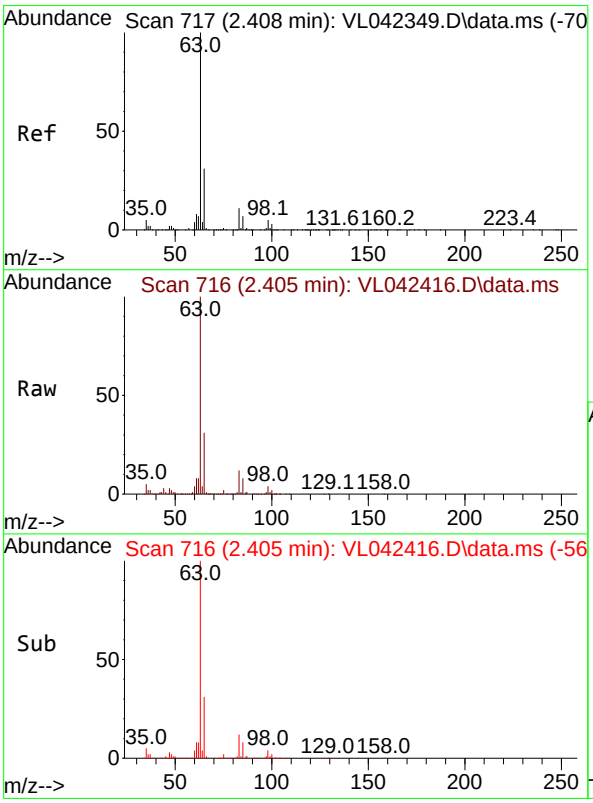
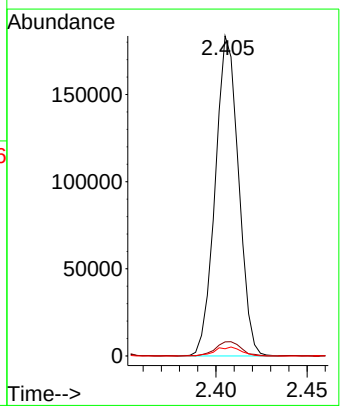
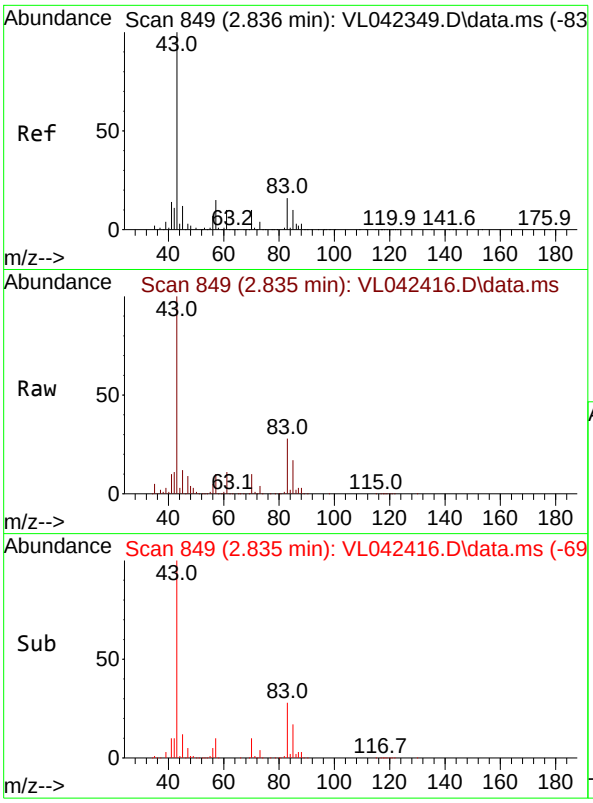


#24
1,1-Dichloroethane
Concen: 9.634 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 63 Resp: 163124

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.2	1.6	4.8

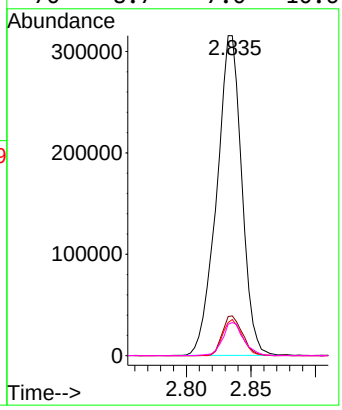




#25
Ethyl Acetate
Concen: 8.634 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 42512

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	8.9	7.3	10.9
70	8.7	7.0	10.6



Instrument :
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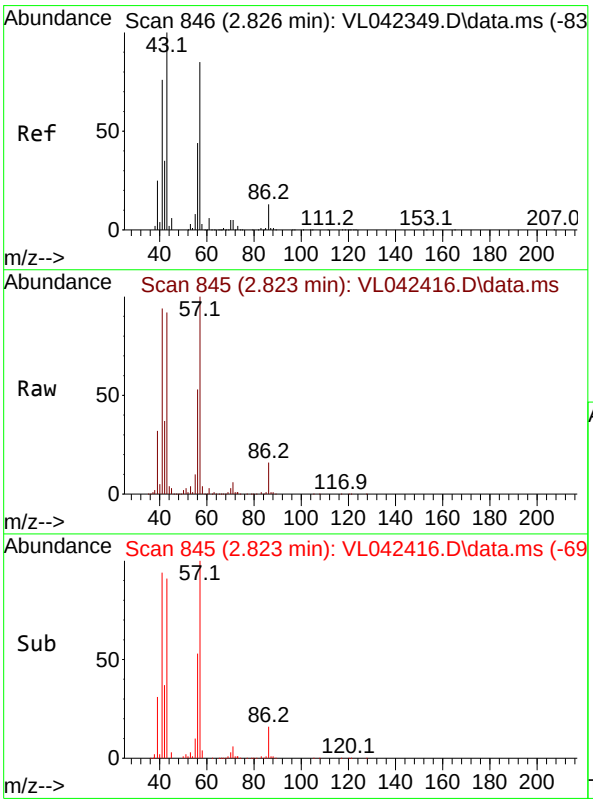
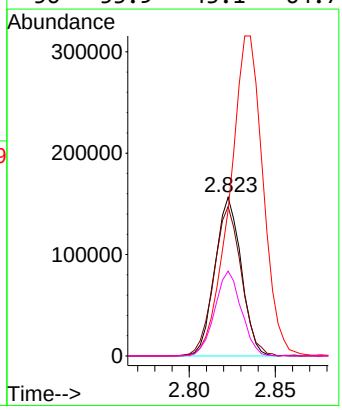
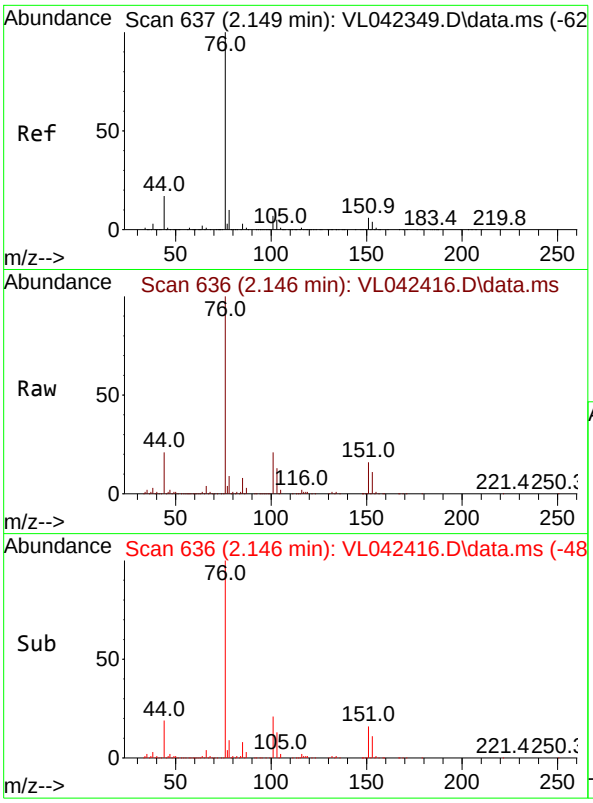


#26
Hexane
Concen: 8.370 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 57 Resp: 166789

Ion	Ratio	Lower	Upper
57	100		
41	98.4	77.9	116.9
43	256.1	208.4	312.6
56	53.9	43.1	64.7

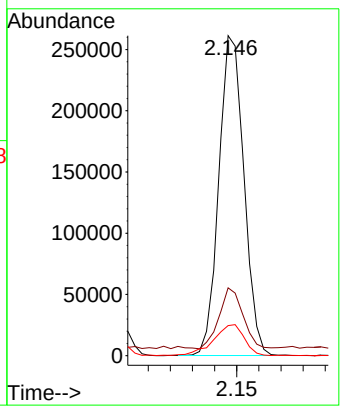




#27
Carbon Disulfide
Concen: 9.637 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 76 Resp: 20560

Ion	Ratio	Lower	Upper
76	100		
44	22.2	15.5	23.3
78	12.1	9.3	13.9



Instrument :
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ClientSampleId :
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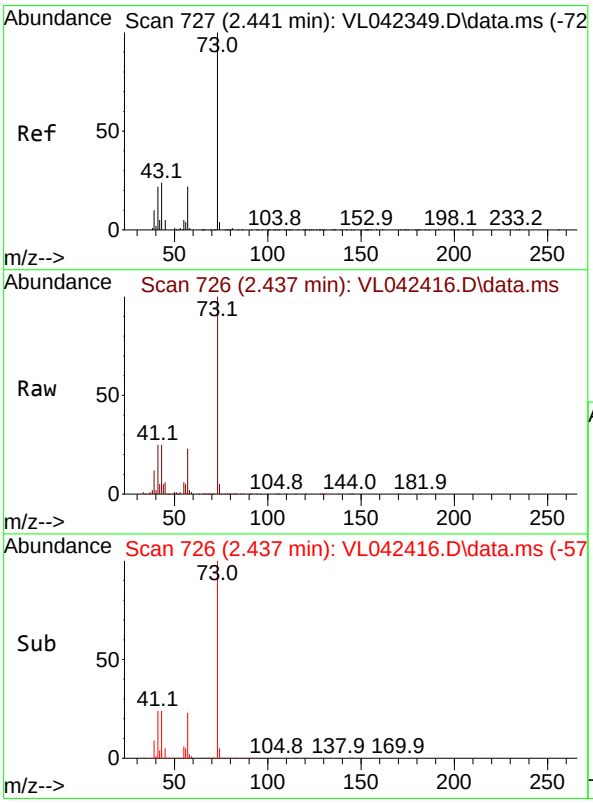
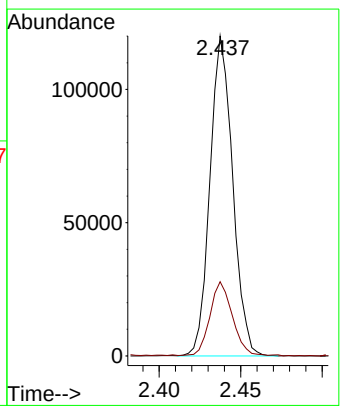
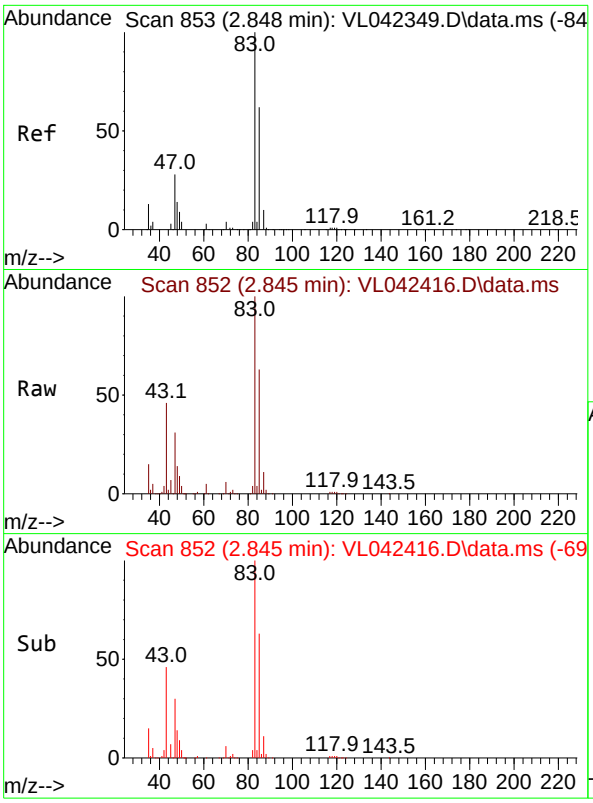


#28
Methyl tert-Butyl Ether
Concen: 8.922 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 73 Resp: 116474

Ion	Ratio	Lower	Upper
73	100		
57	23.1	21.3	31.9





#29
Chloroform
Concen: 9.975 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 83 Resp: 28093

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0

Instrument :
MSVOA_L
ClientSampleId :
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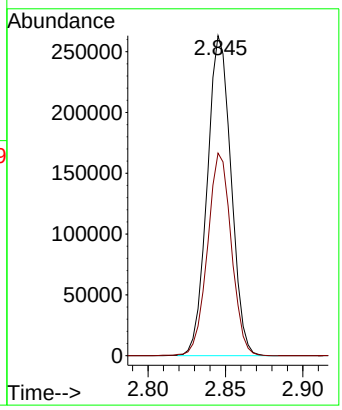
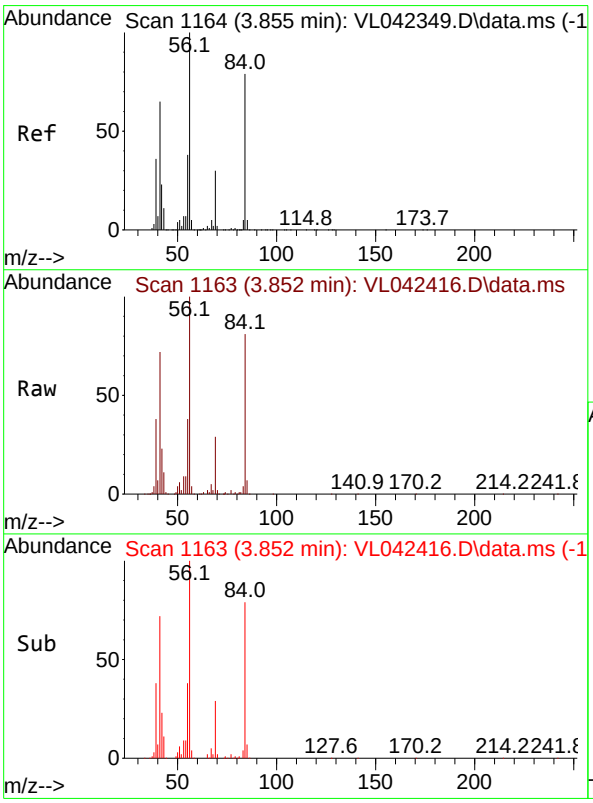
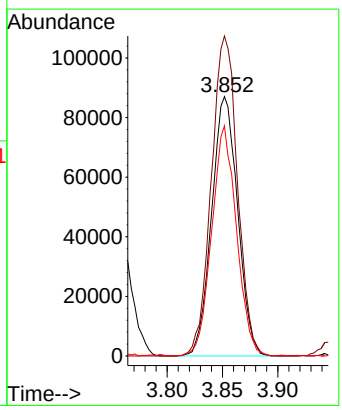


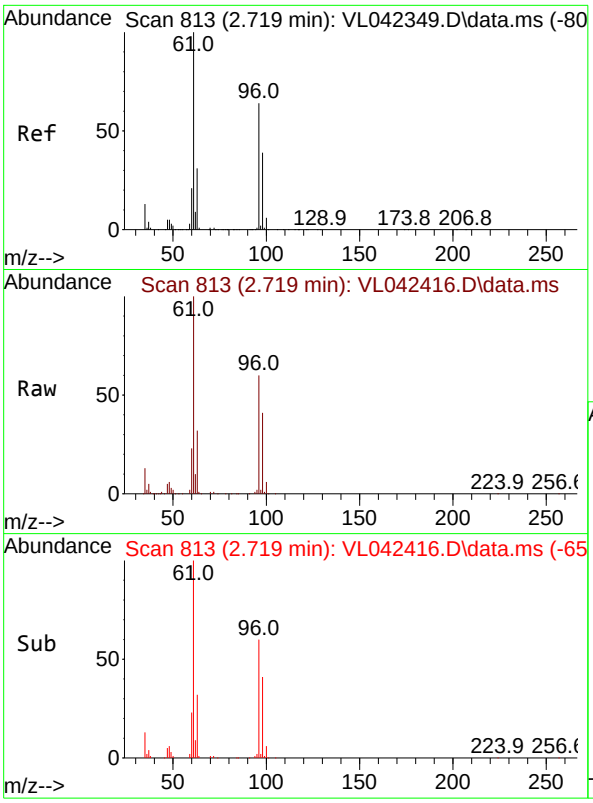


#30
Cyclohexane
Concen: 8.849 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 84 Resp: 142532

Ion	Ratio	Lower	Upper
84	100		
56	123.7	101.0	151.4
41	84.7	67.4	101.0

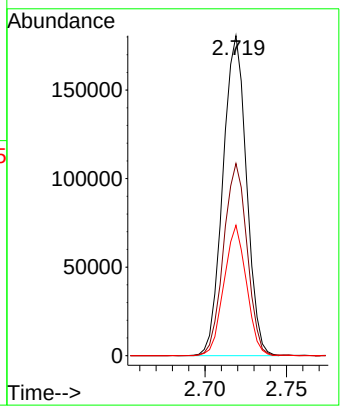




#31
cis-1,2-Dichloroethene
Concen: 9.581 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 61 Resp: 18151

Ion	Ratio	Lower	Upper
61	100		
96	60.1	50.8	76.2
98	40.8	30.9	46.3



Instrument :
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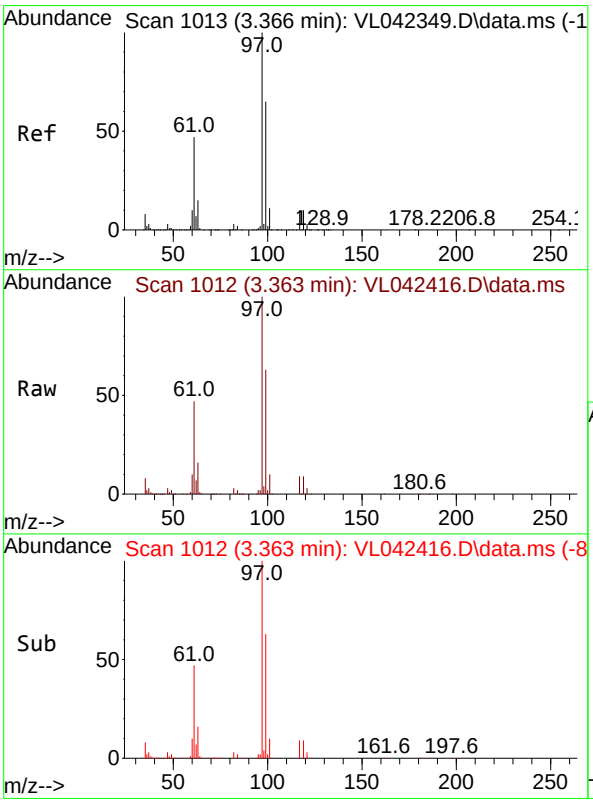
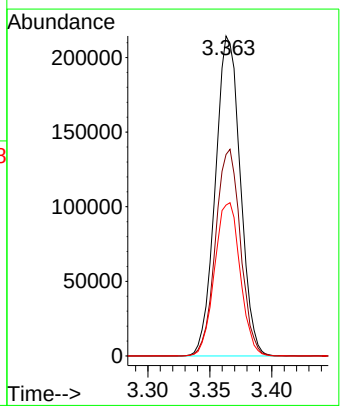
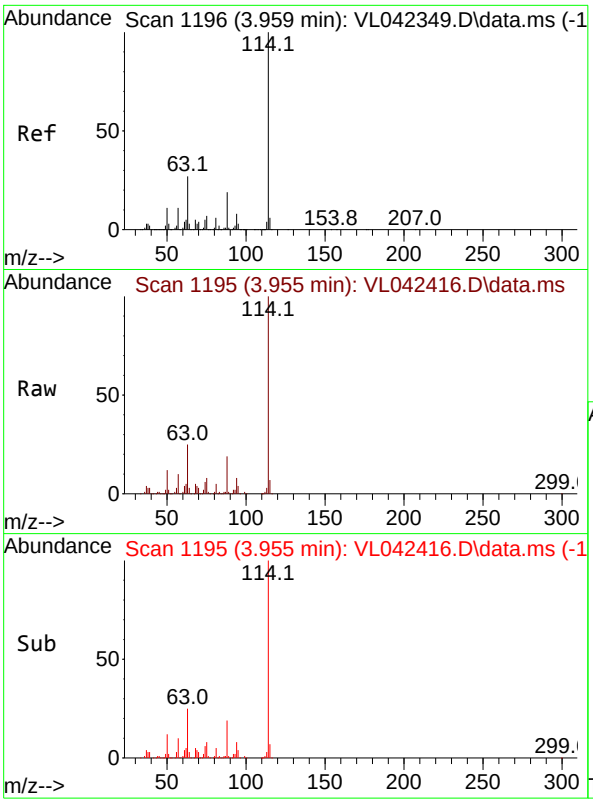


#32
1,1,1-Trichloroethane
Concen: 9.501 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 97 Resp: 301259

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	49.3	38.8	58.2

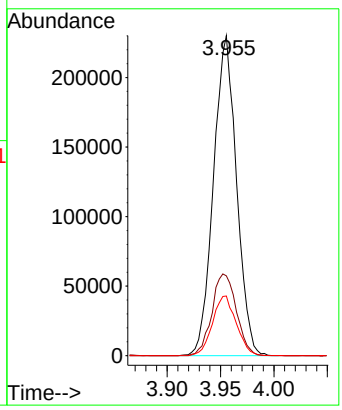




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:114 Resp: 34503

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	19.2	15.5	23.3



Instrument :
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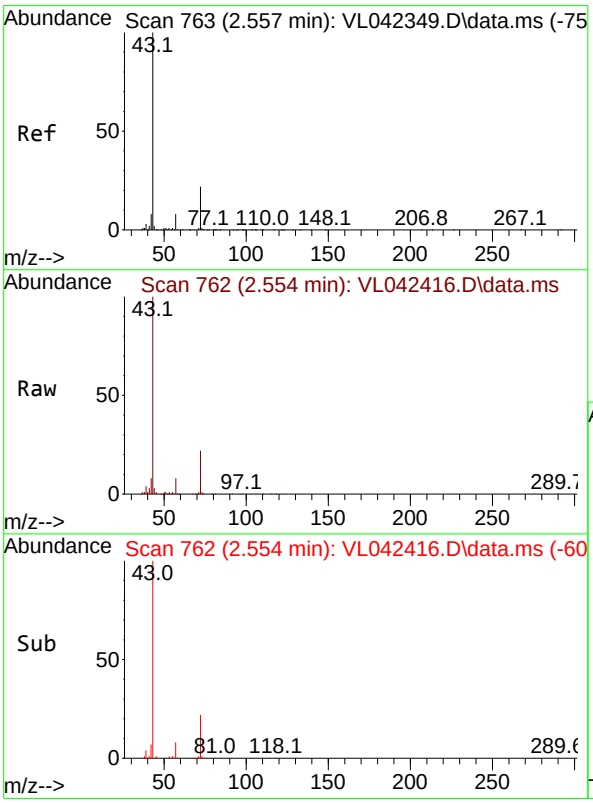
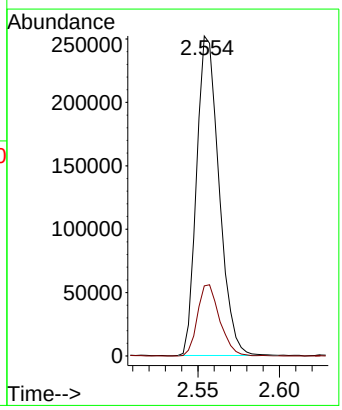
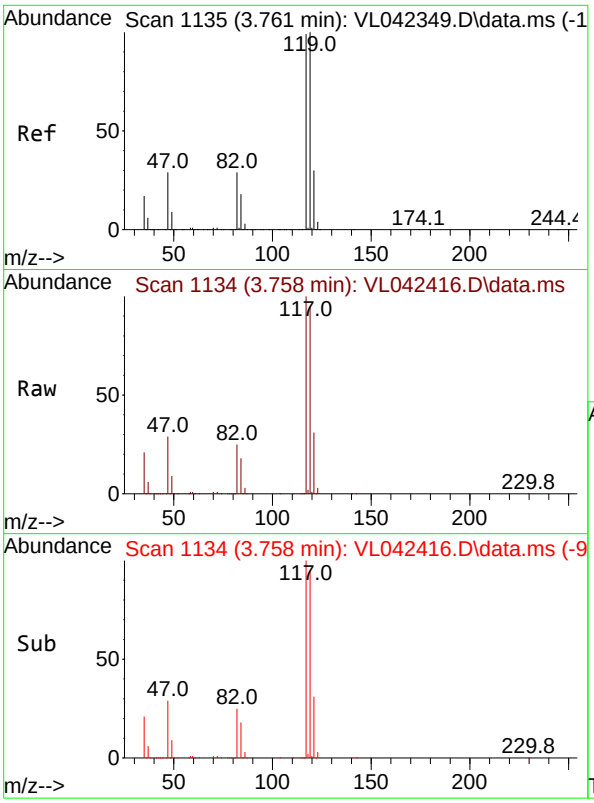


#34
2-Butanone
Concen: 8.834 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 241047

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.2	27.2

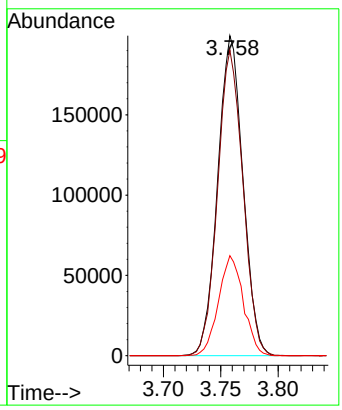




#35
Carbon Tetrachloride
Concen: 9.783 ppbv
RT: 3.758 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:117 Resp: 30547

Ion	Ratio	Lower	Upper
117	100		
119	95.4	80.5	120.7
121	31.3	24.2	36.2



Instrument :
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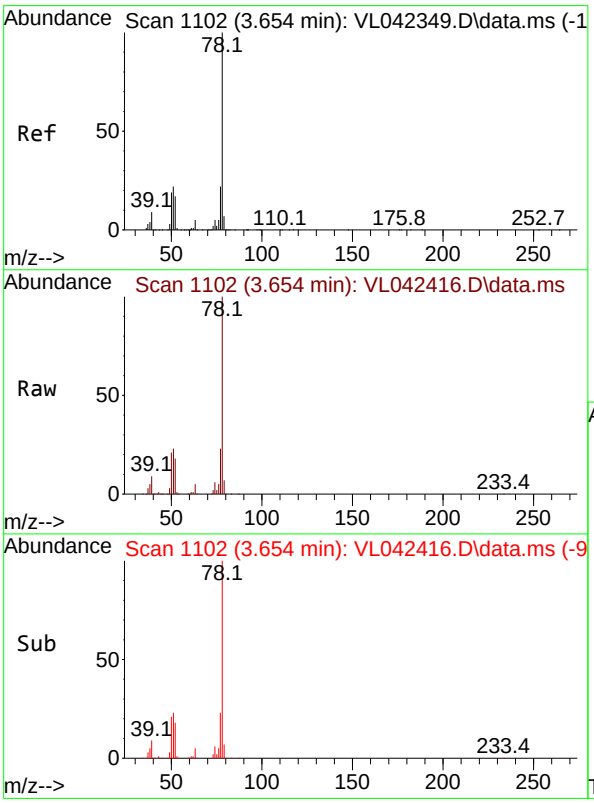
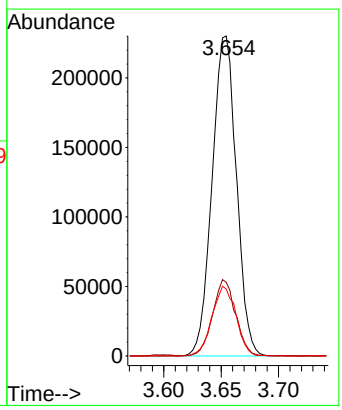
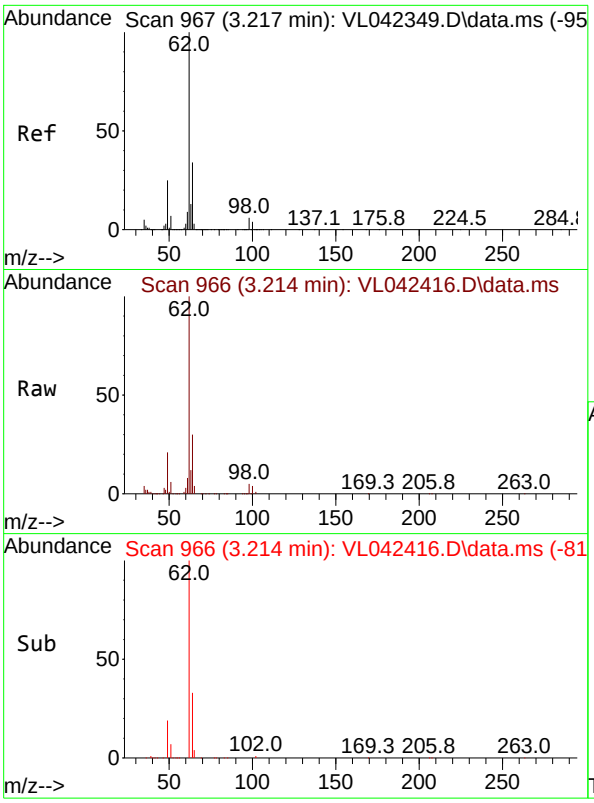


#36
Benzene
Concen: 9.102 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 78 Resp: 338736

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.4	26.0
50	20.9	15.5	23.3

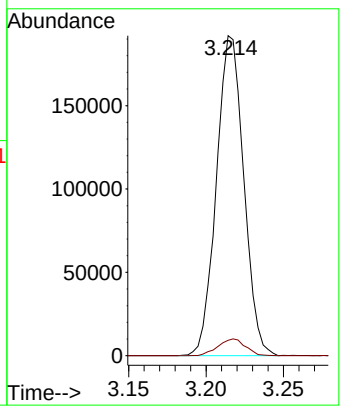




#37
1,2-Dichloroethane
Concen: 10.564 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 62 Resp: 23596

Ion	Ratio	Lower	Upper
62	100		
98	5.3	5.1	7.7



Instrument :
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ClientSampleId :
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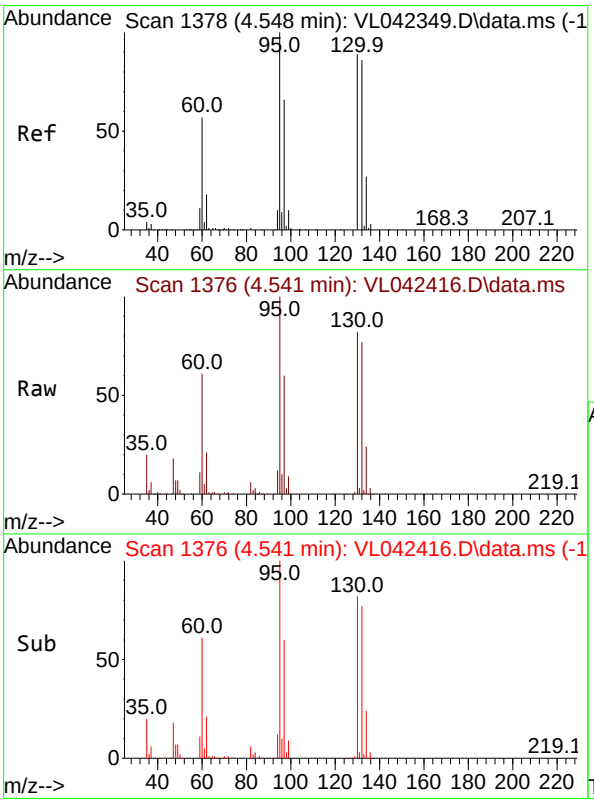
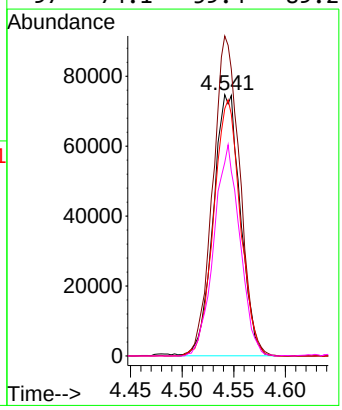
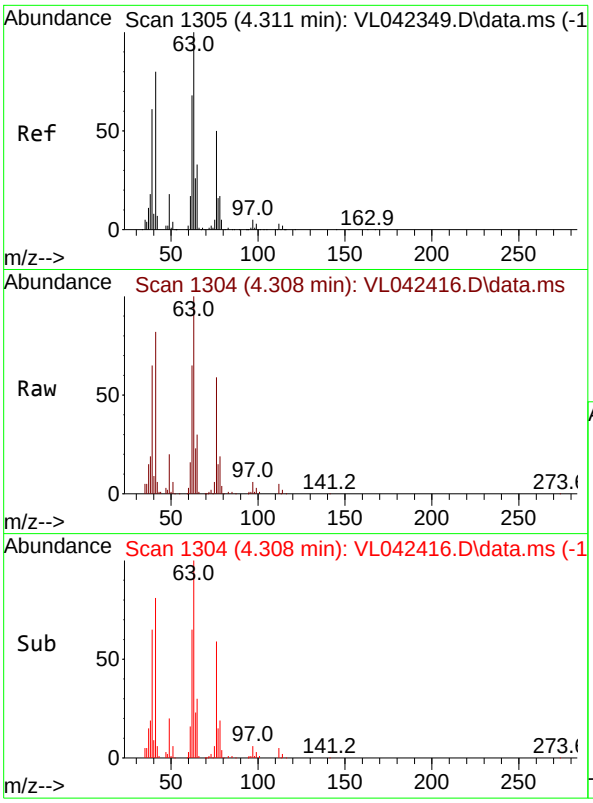


#38
Trichloroethene
Concen: 8.406 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:130 Resp: 136731

Ion	Ratio	Lower	Upper
130	100		
95	122.5	89.8	134.6
132	94.7	77.7	116.5
97	74.1	59.4	89.2

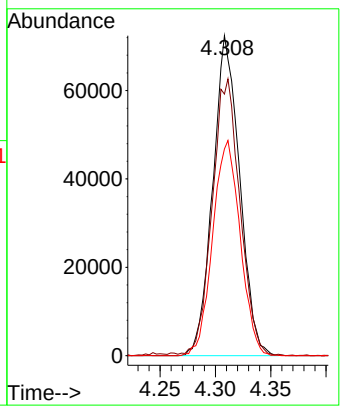




#39
1,2-Dichloropropane
Concen: 8.813 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 63 Resp: 12221

Ion	Ratio	Lower	Upper
63	100		
41	81.2	64.2	96.2
62	64.6	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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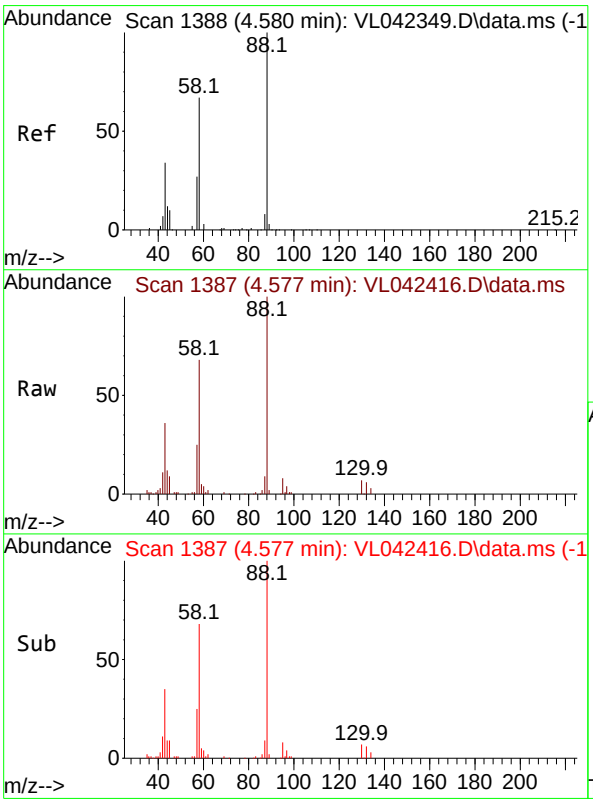
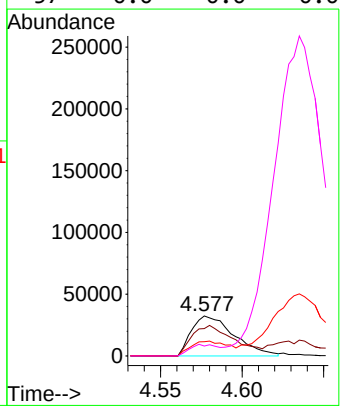
Supervised By :Mahesh Dadoda 04/30/2025

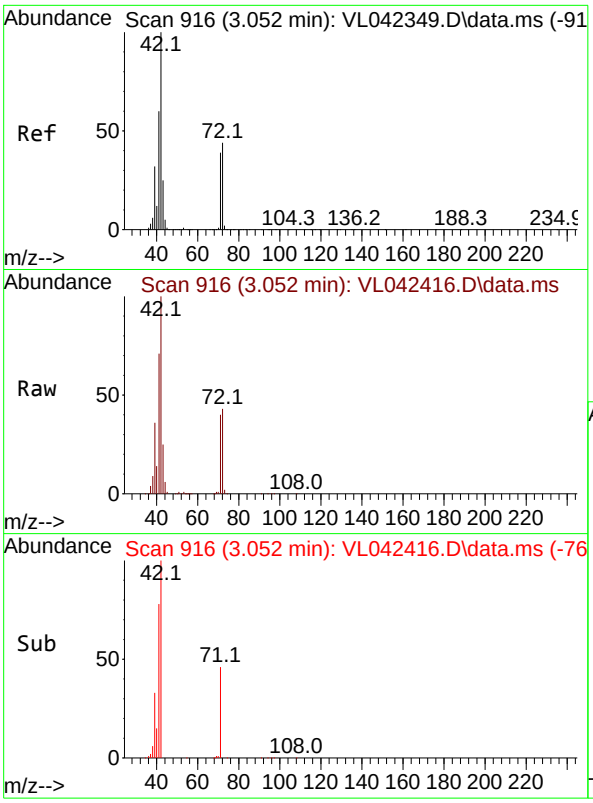


#40
1,4-Dioxane
Concen: 7.720 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 88 Resp: 58837

Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.4	92.0
43	35.3	23.2	34.8#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.363 ppbv
RT: 3.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 42 Resp: 13306

Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.3	48.5
71	38.8	31.4	47.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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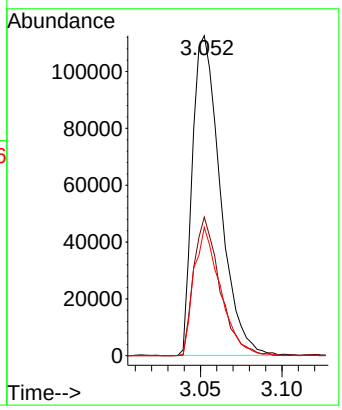
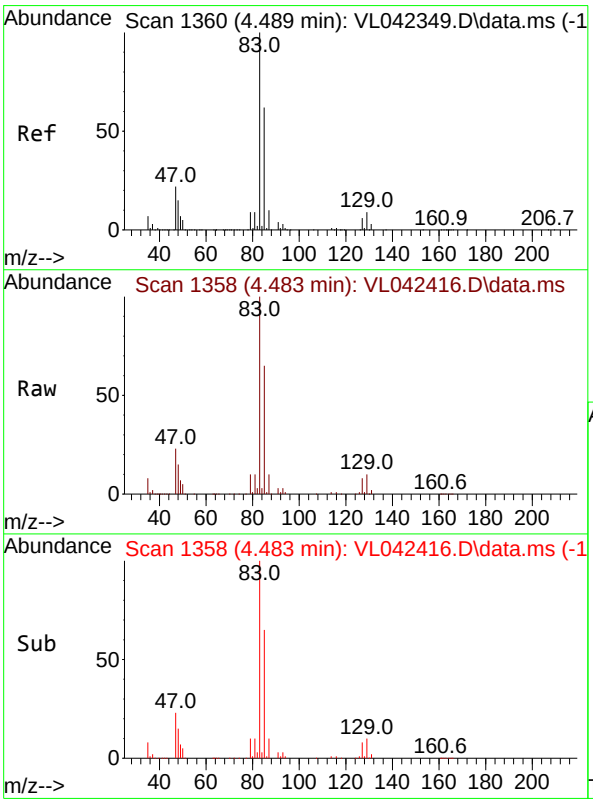
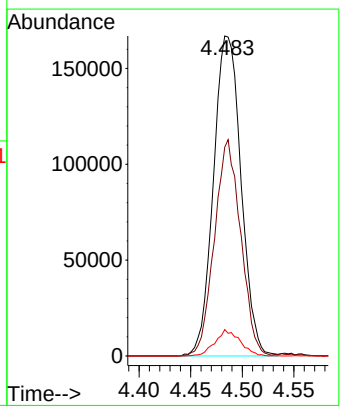


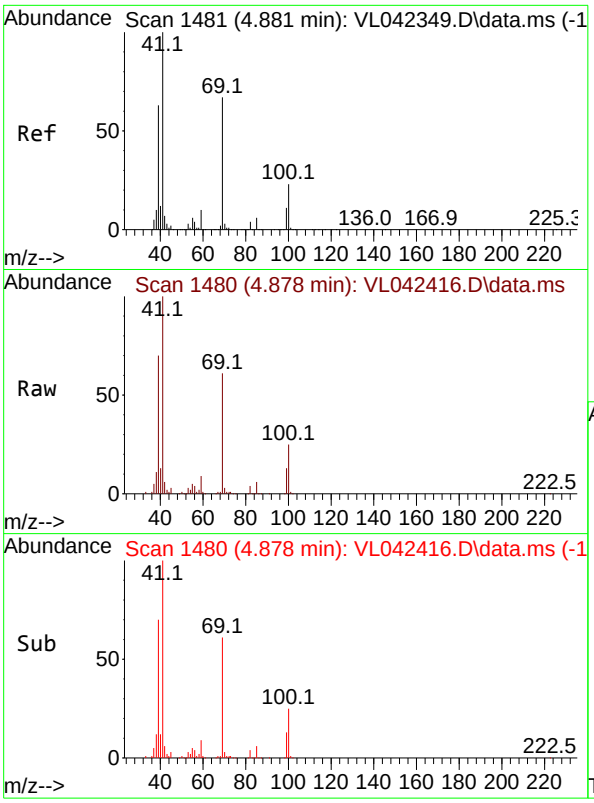


#42
Bromodichloromethane
Concen: 9.996 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 83 Resp: 310726

Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.7	74.5
127	8.3	5.1	7.7#

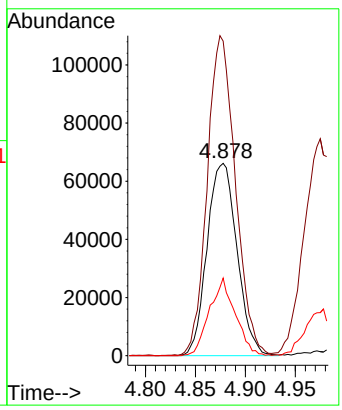




#43
Methyl Methacrylate
Concen: 8.230 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 69 Resp: 13803

Ion	Ratio	Lower	Upper
69	100		
41	156.8	118.6	177.8
100	34.8	28.2	42.2



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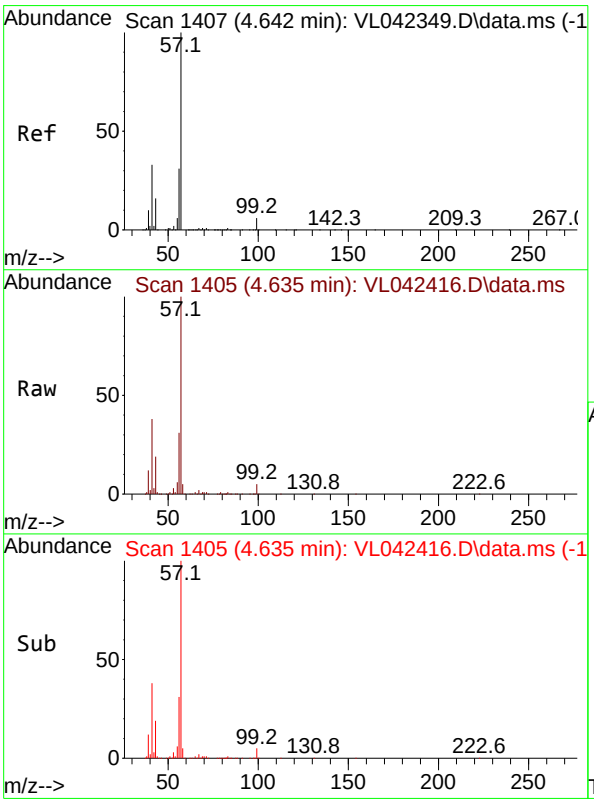
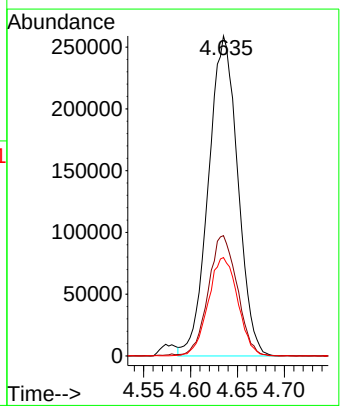
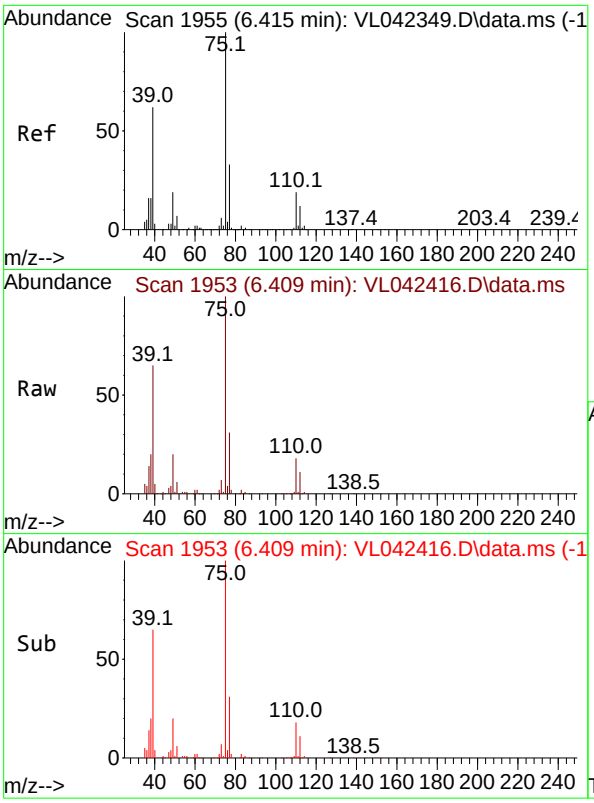


#44
2,2,4-Trimethylpentane
Concen: 8.750 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 57 Resp: 562403

Ion	Ratio	Lower	Upper
57	100		
41	37.4	27.2	40.8
56	31.1	25.7	38.5

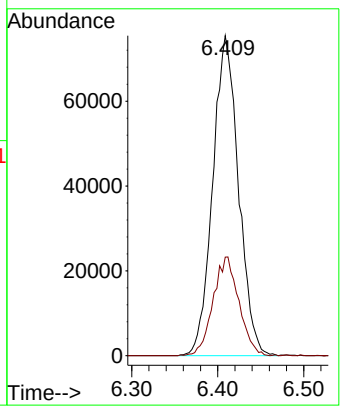




#45
t-1,3-Dichloropropene
Concen: 9.175 ppbv
RT: 6.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 75 Resp: 15719

Ion	Ratio	Lower	Upper
75	100		
77	30.8	27.0	40.6



Instrument :
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ClientSampleId :
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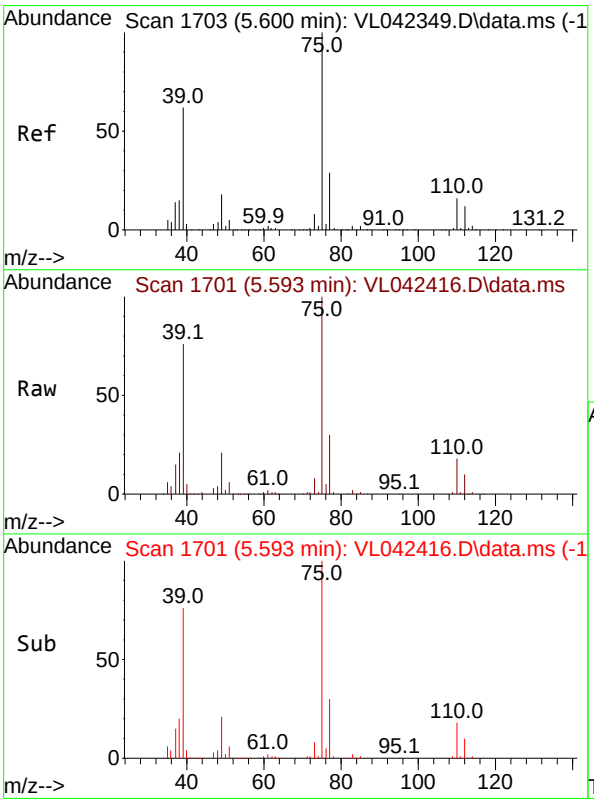
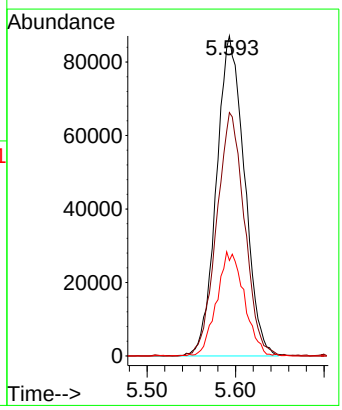
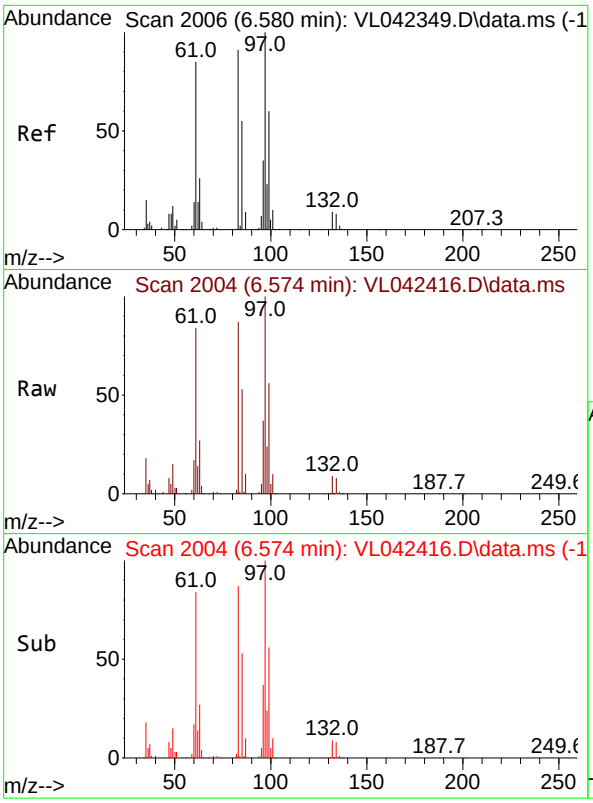


#46
cis-1,3-Dichloropropene
Concen: 9.117 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 75 Resp: 191165

Ion	Ratio	Lower	Upper
75	100		
39	75.9	50.0	75.0#
77	29.8	23.0	34.6

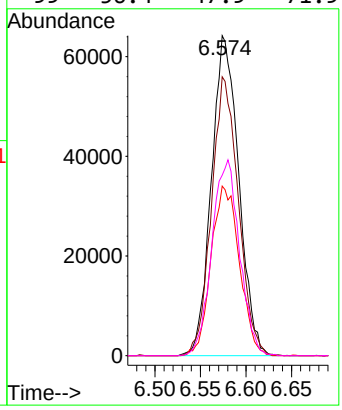




#47
1,1,2-Trichloroethane
Concen: 9.471 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 97 Resp: 13382

Ion	Ratio	Lower	Upper
97	100		
83	87.2	72.8	109.2
85	53.0	44.2	66.4
99	56.4	47.9	71.9



Instrument :
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ClientSampleId :
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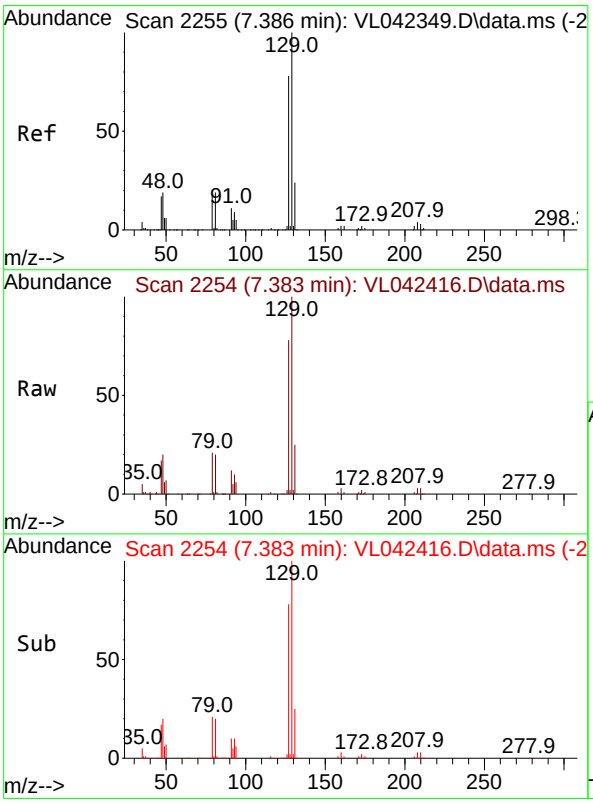
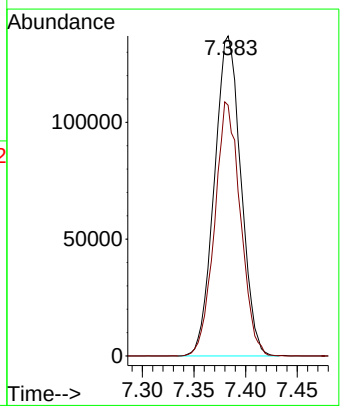
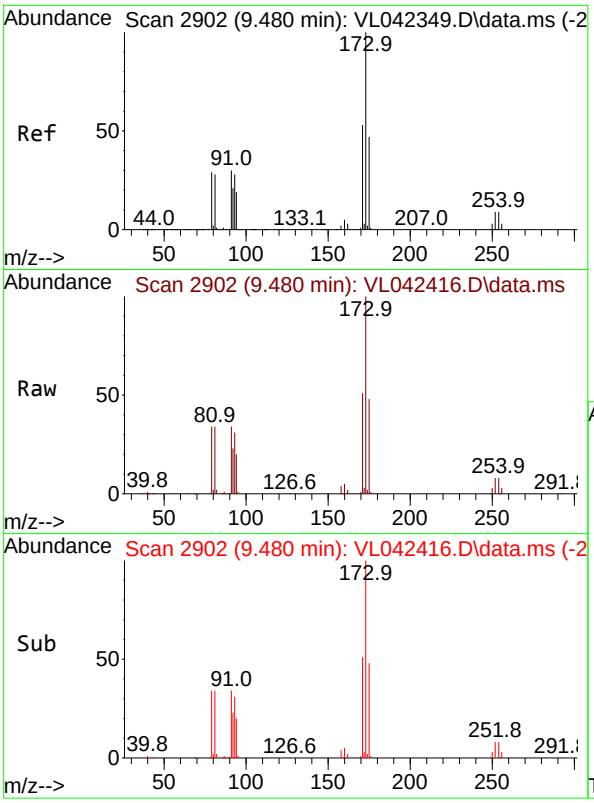


#48
Dibromochloromethane
Concen: 9.832 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:129 Resp: 245439

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.3

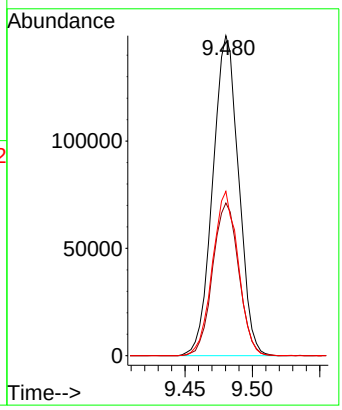




#49
Bromoform
Concen: 9.117 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:173 Resp: 19899

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.2	57.2
171	51.0	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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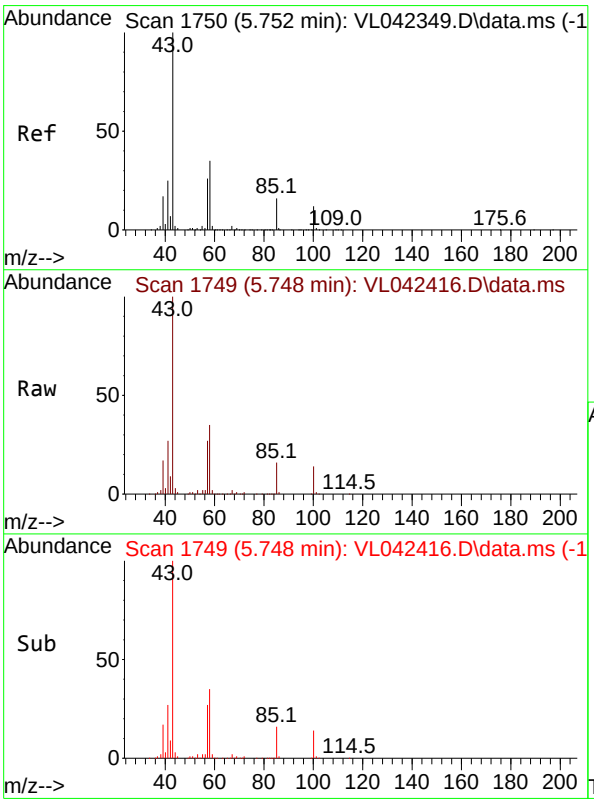
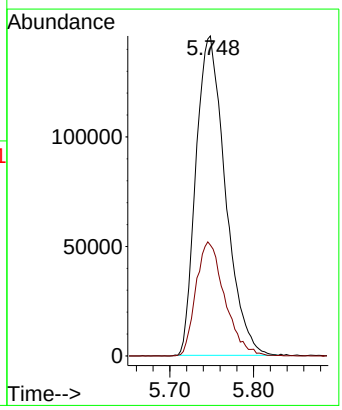
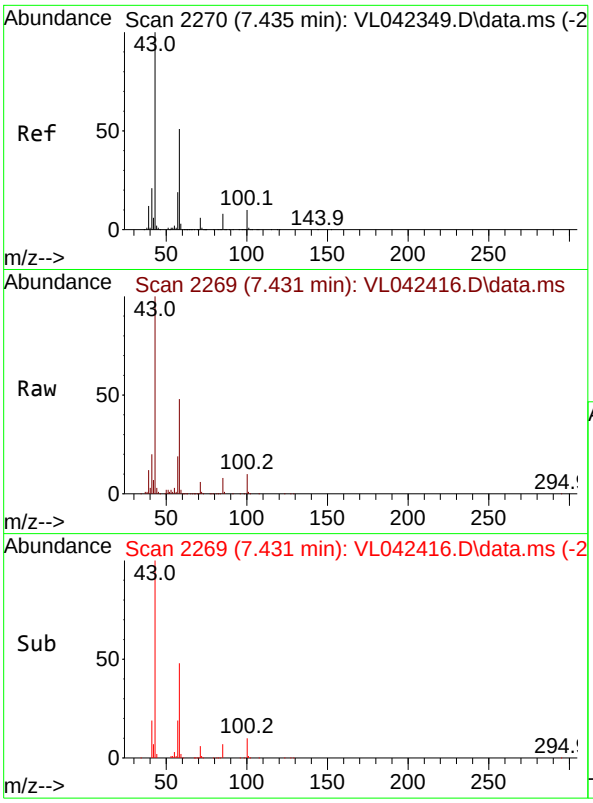


#50
4-Methyl-2-Pentanone
Concen: 7.854 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 356129

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	43.0

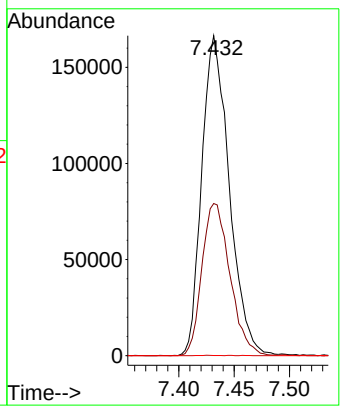




#51
2-Hexanone
Concen: 7.058 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 28704

Ion	Ratio	Lower	Upper
43	100		
58	48.8	40.2	60.4
98	0.1	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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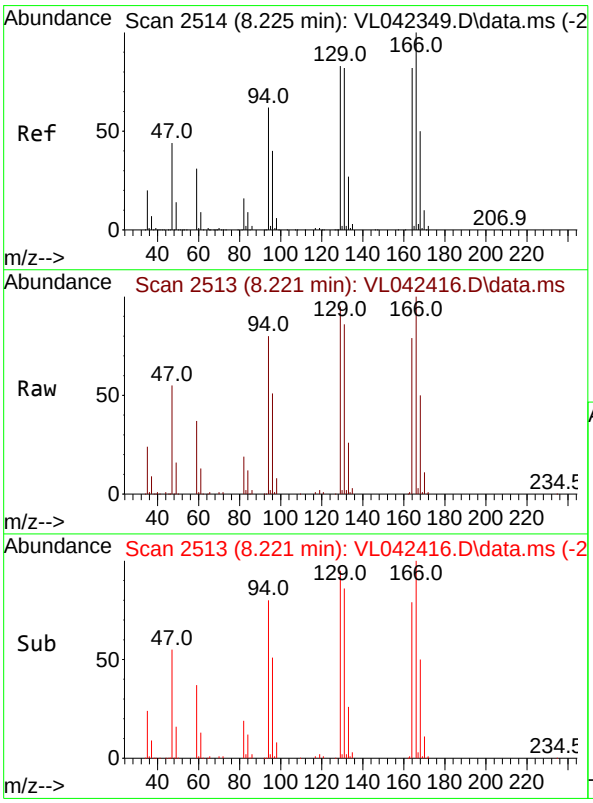
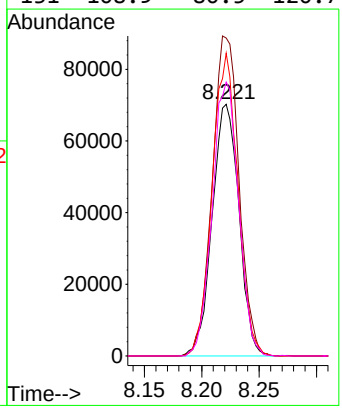
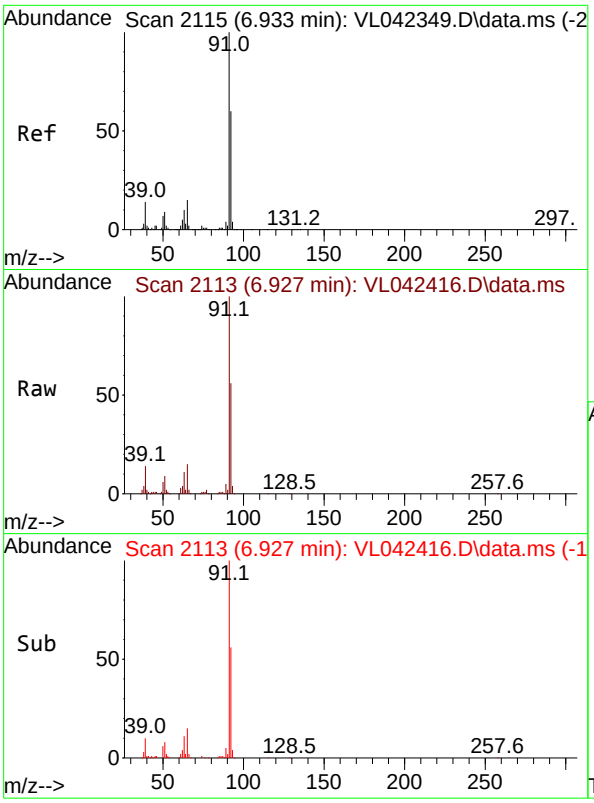


#52
Tetrachloroethene
Concen: 7.928 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:164 Resp: 114038

Ion	Ratio	Lower	Upper
164	100		
166	126.3	98.2	147.2
129	120.3	81.8	122.8
131	108.9	80.5	120.7

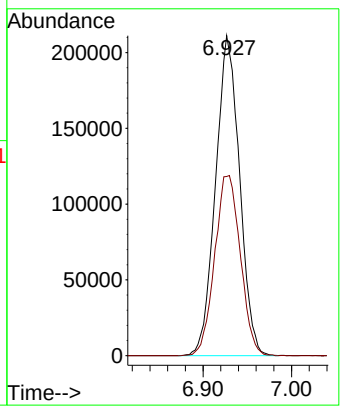




#53
Toluene
Concen: 8.916 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 39816

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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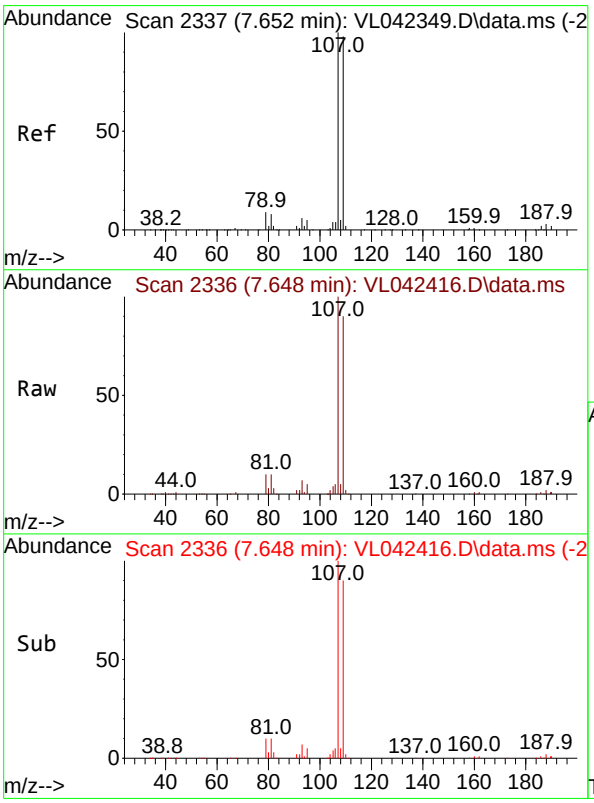
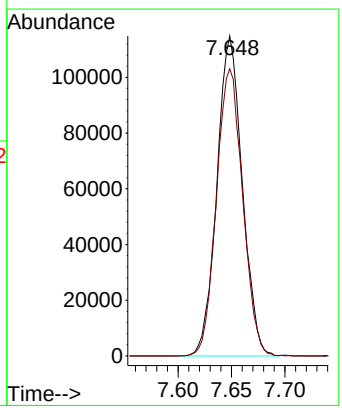
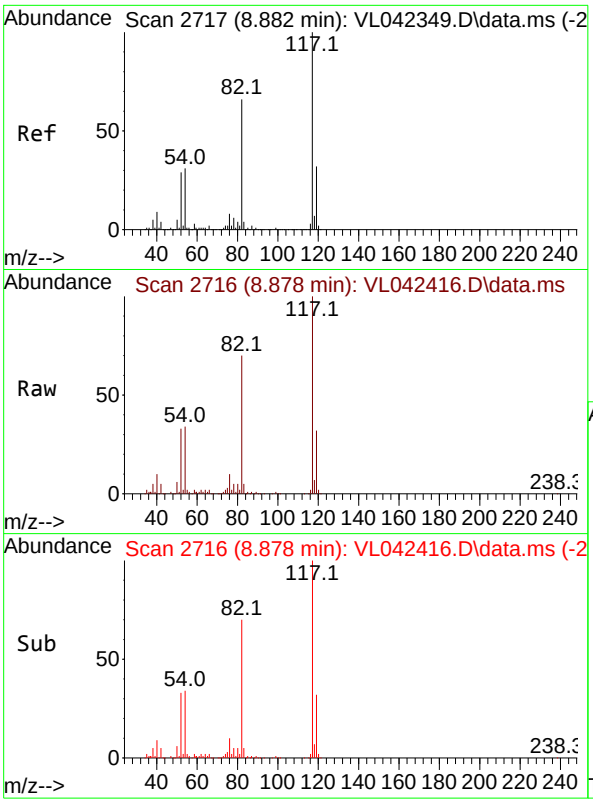


#54
1,2-Dibromoethane
Concen: 9.378 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:107 Resp: 189639

Ion	Ratio	Lower	Upper
107	100		
109	89.8	78.2	117.4

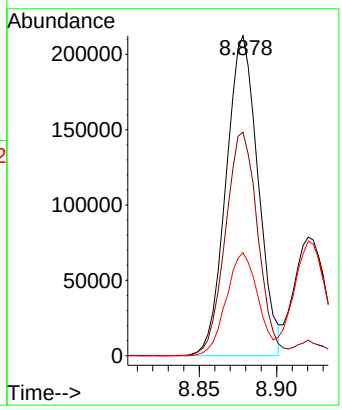




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:117 Resp: 30524

Ion	Ratio	Lower	Upper
117	100		
82	75.0	57.8	86.6
119	31.9	25.2	37.8



Instrument :
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ClientSampleId :
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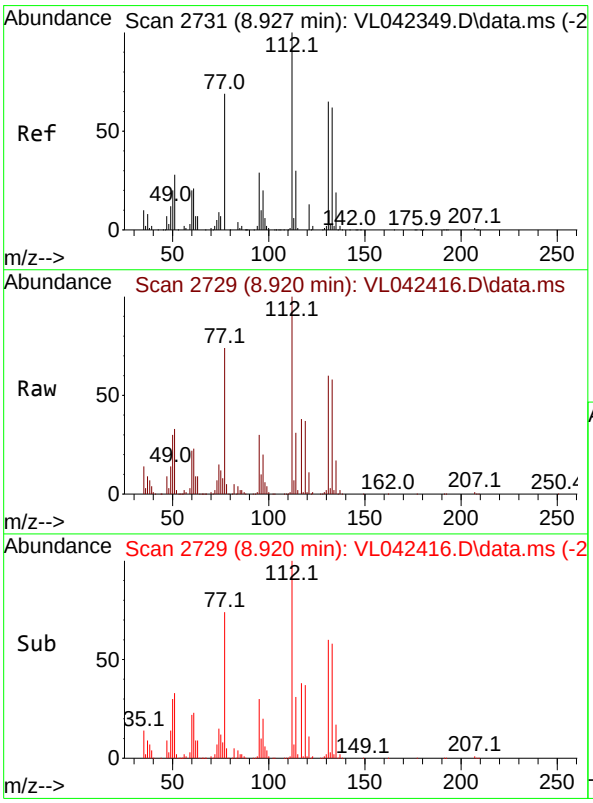
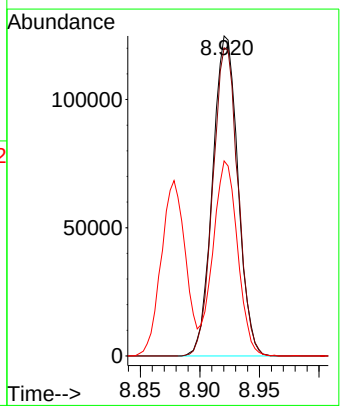
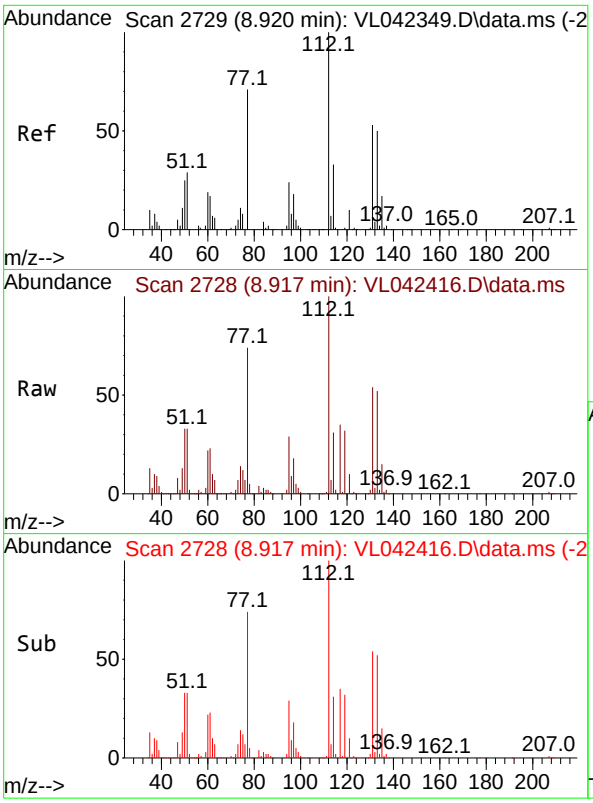


#56
1,1,1,2-Tetrachloroethane
Concen: 9.969 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:131 Resp: 184161

Ion	Ratio	Lower	Upper
131	100		
133	95.8	78.3	117.5
119	58.3	48.7	73.1

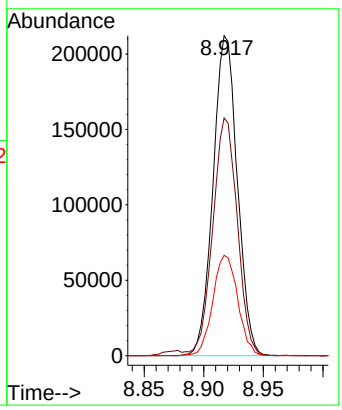




#57
Chlorobenzene
Concen: 9.471 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:112 Resp: 30067

Ion	Ratio	Lower	Upper
112	100		
77	74.3	57.8	86.6
114	31.4	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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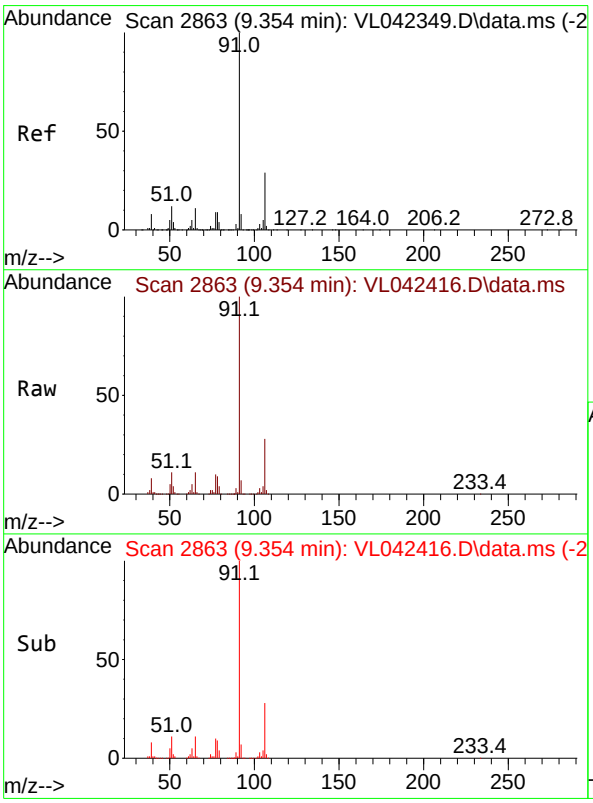
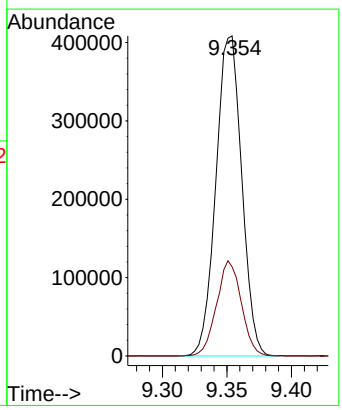
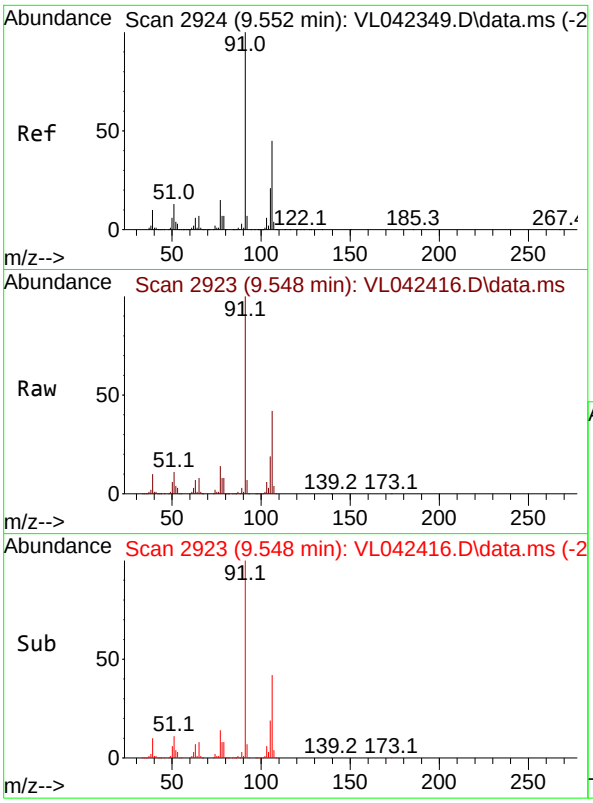


#58
Ethyl Benzene
Concen: 9.394 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 568129

Ion	Ratio	Lower	Upper
91	100		
106	27.8	23.0	34.4





#59
m/p-Xylene
Concen: 19.073 ppbv m
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 92920

Ion	Ratio	Lower	Upper
91	100		
106	42.7	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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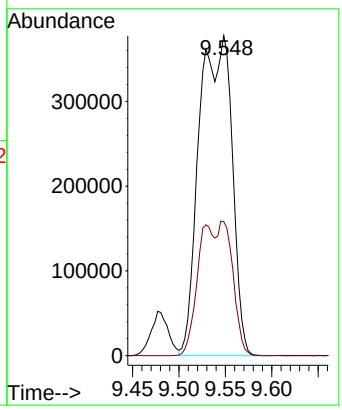
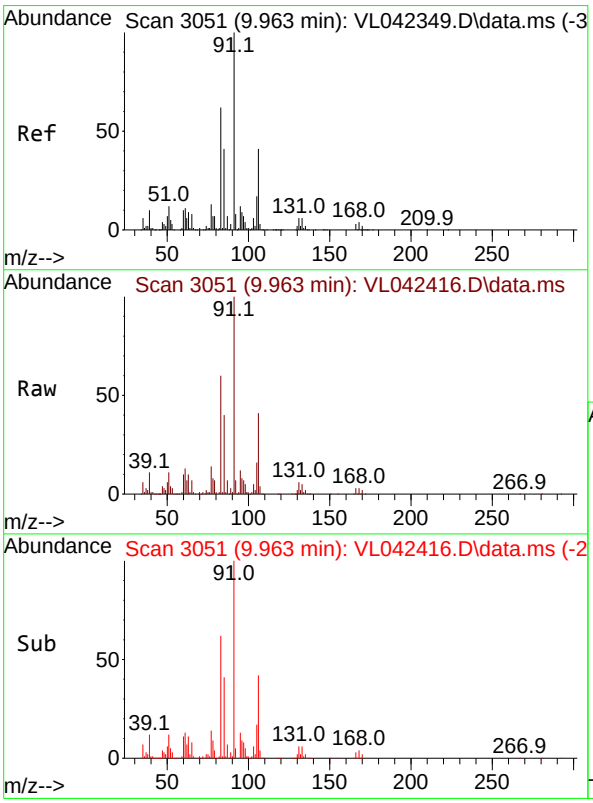
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

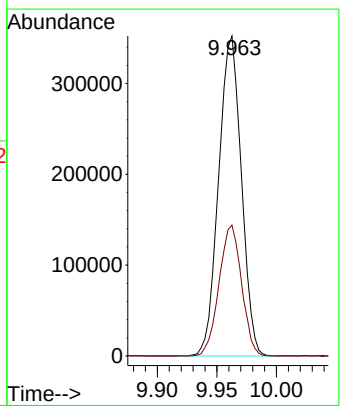


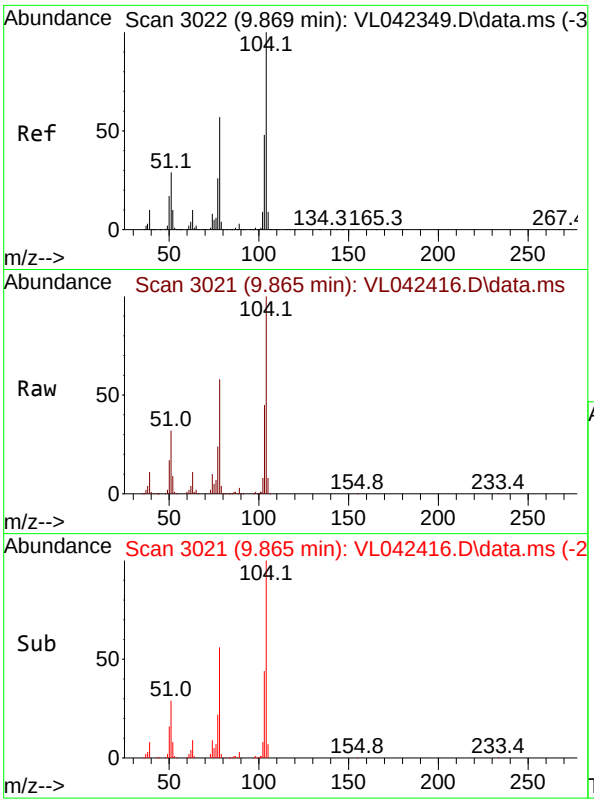


#60
o-Xylene
Concen: 9.507 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 466411

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.1	63.4

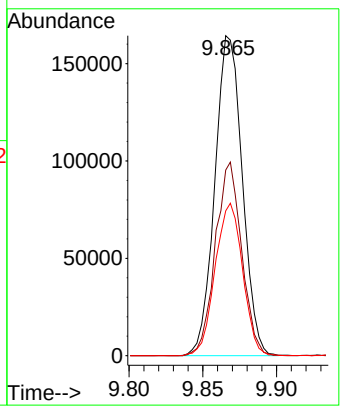




#61
Styrene
Concen: 9.101 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:104 Resp: 21311

Ion	Ratio	Lower	Upper
104	100		
78	57.9	44.6	66.8
103	47.6	37.4	56.0



Instrument :
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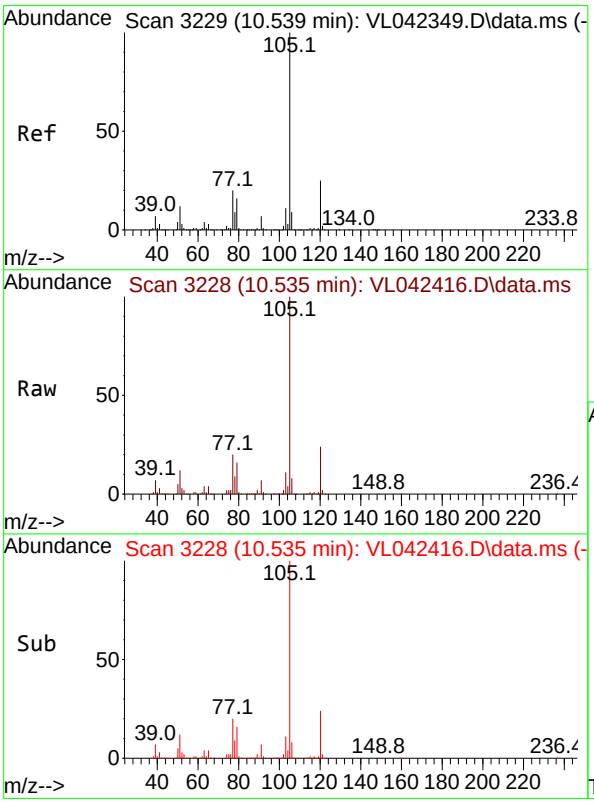
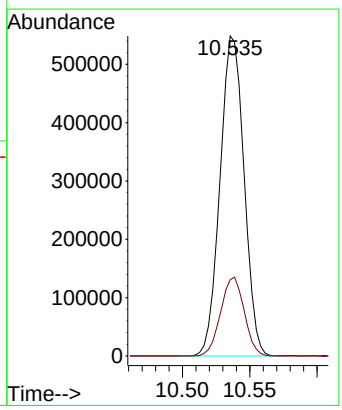
Supervised By :Mahesh Dadoda 04/30/2025

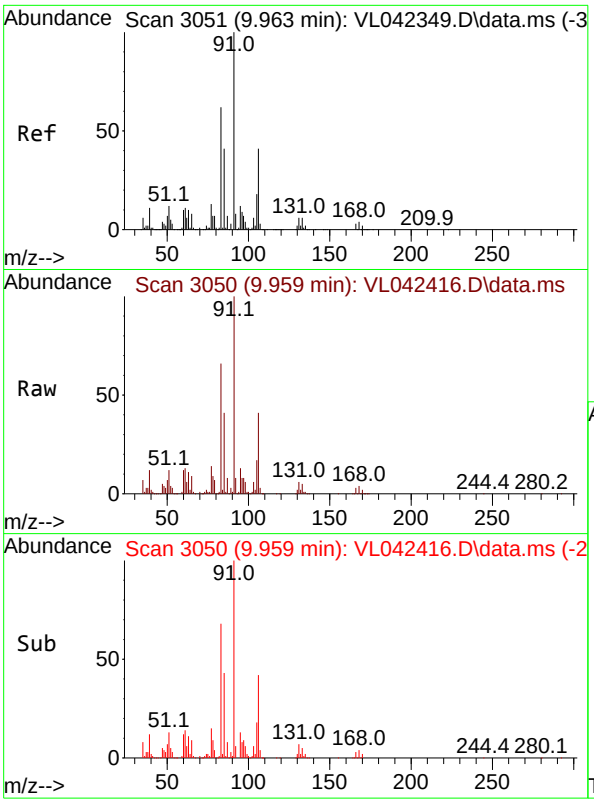


#62
Isopropylbenzene
Concen: 9.452 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 680837

Ion	Ratio	Lower	Upper
105	100		
120	24.1	19.8	29.8

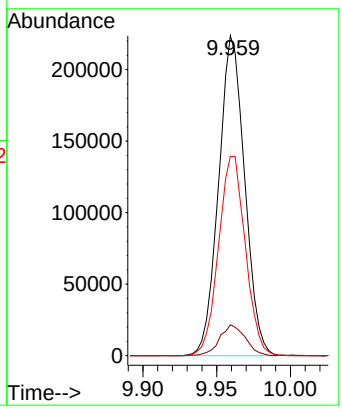




#63
1,1,2,2-Tetrachloroethane
Concen: 8.639 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 83 Resp: 27465

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	64.2	32.4	97.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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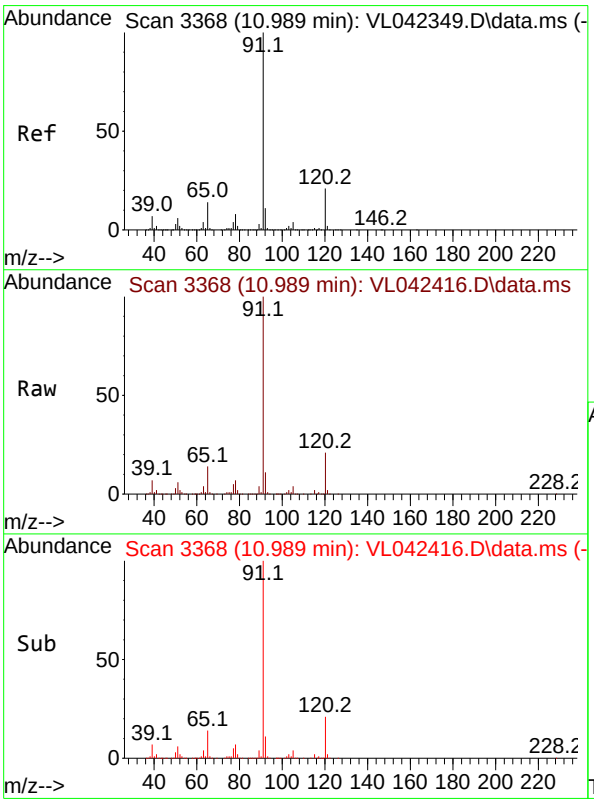
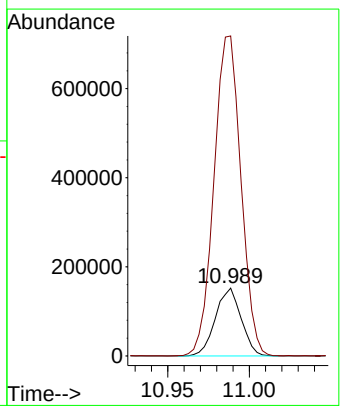
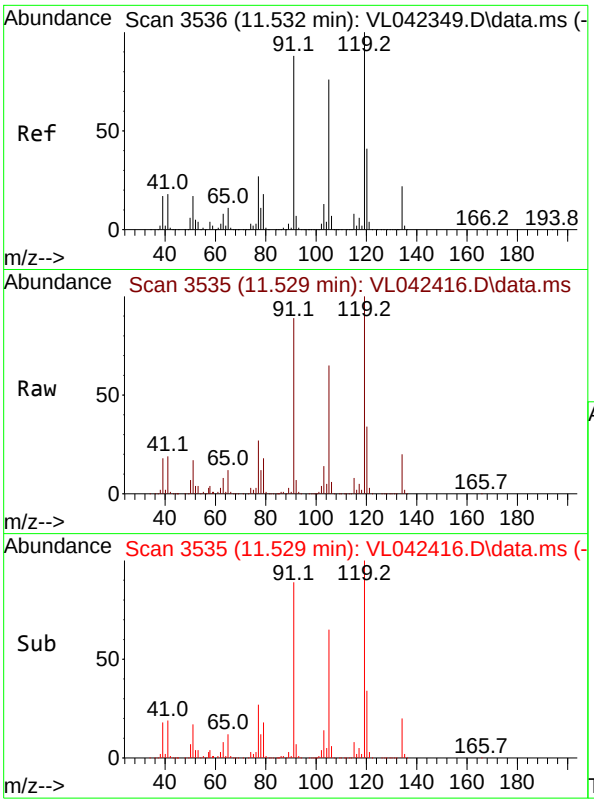


#64
n-propylbenzene
Concen: 9.223 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:120 Resp: 166984

Ion	Ratio	Lower	Upper
120	100		
91	495.0	392.4	588.6

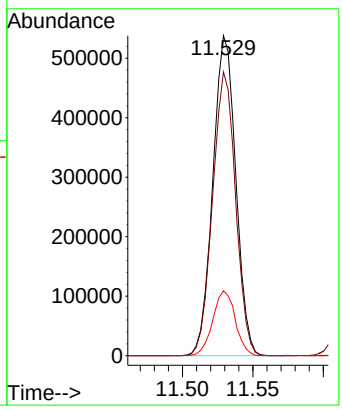




#65
tert-Butylbenzene
Concen: 9.219 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:119 Resp: 61030

Ion	Ratio	Lower	Upper
119	100		
91	88.8	74.6	111.8
134	19.9	18.8	28.2



Instrument :
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ClientSampleId :
VSTDCCC010

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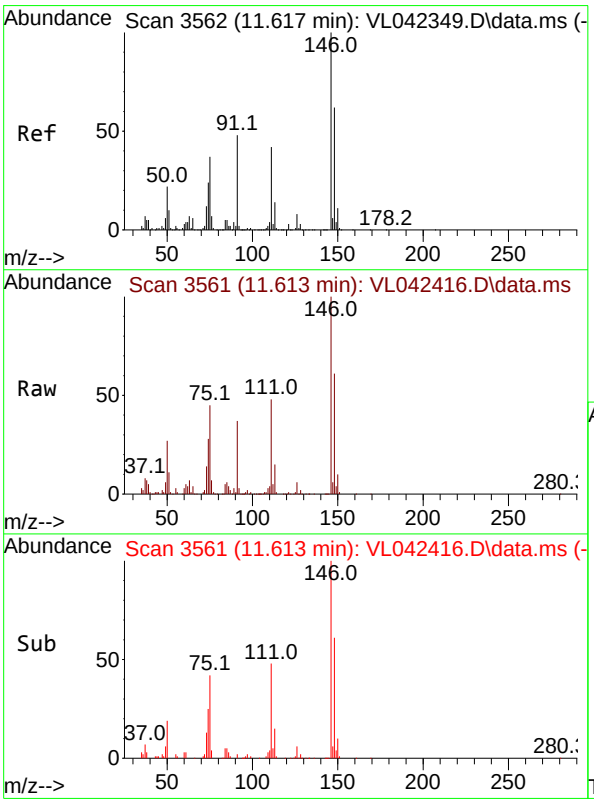
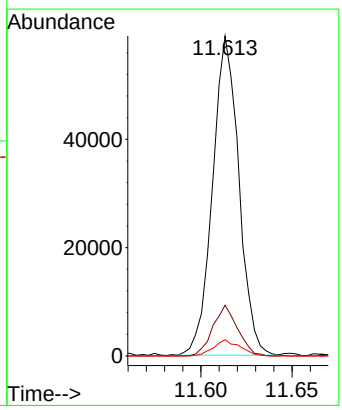
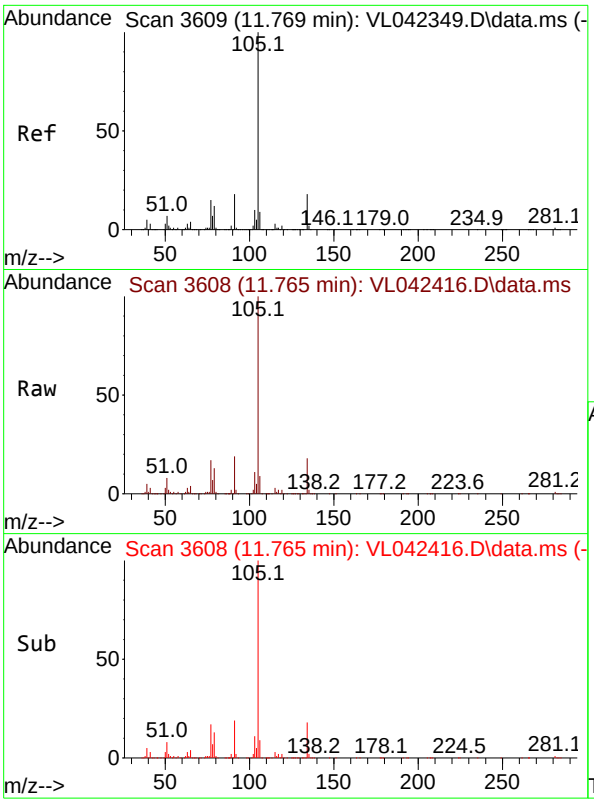


#66
Benzyl Chloride
Concen: 8.136 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 59187

Ion	Ratio	Lower	Upper
91	100		
126	15.1	11.8	17.6
128	5.1	4.5	6.7

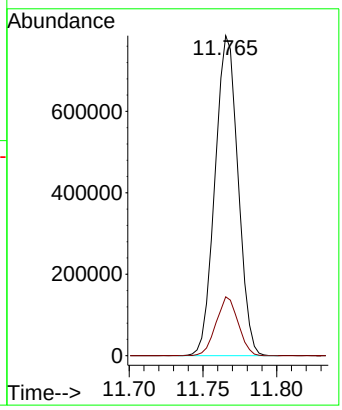




#67
sec-Butylbenzene
Concen: 9.276 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 85416

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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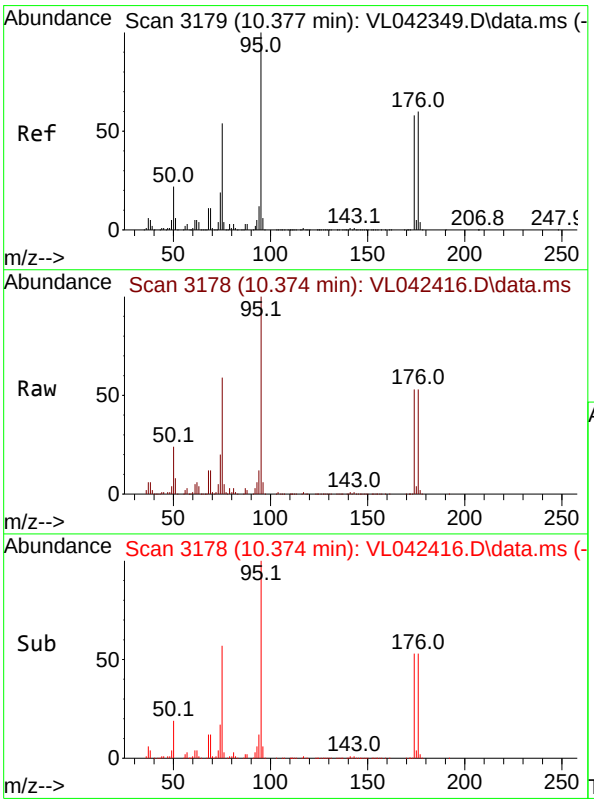
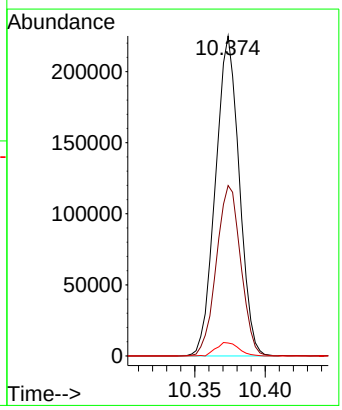
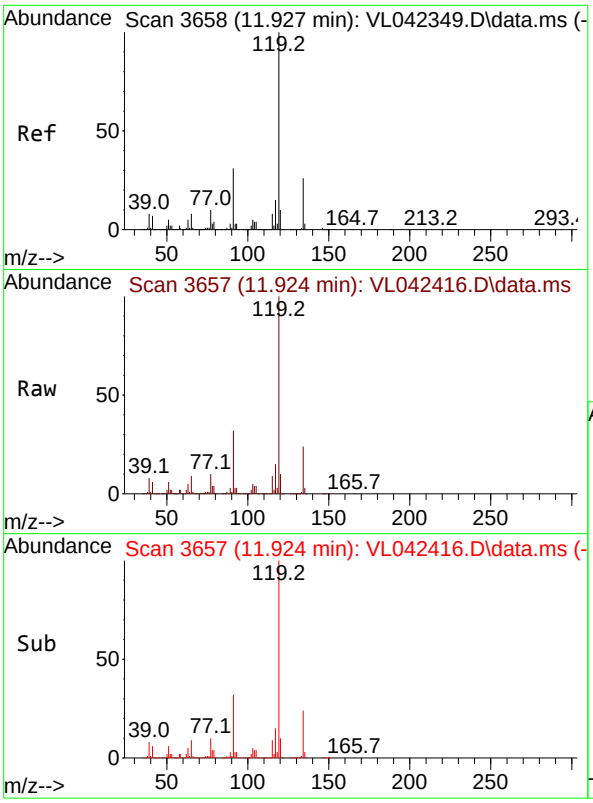


#68
1-Bromo-4-Fluorobenzene
Concen: 10.533 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 95 Resp: 264197

Ion	Ratio	Lower	Upper
95	100		
174	54.7	48.5	72.7
175	4.0	3.7	5.5

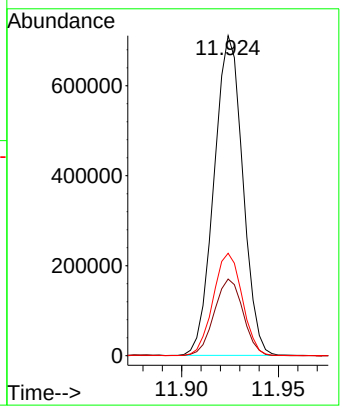




#69
p-Isopropyltoluene
Concen: 9.155 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:119 Resp: 73236

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.0	30.0
91	32.7	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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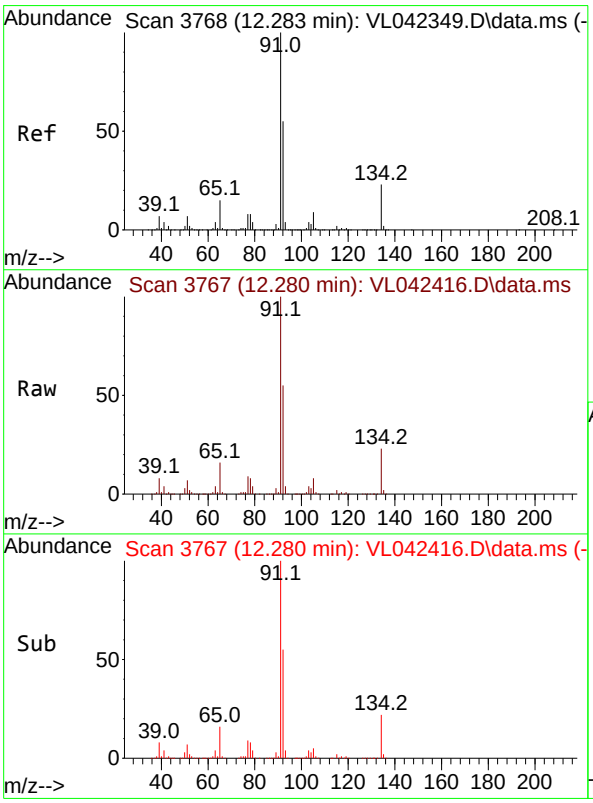
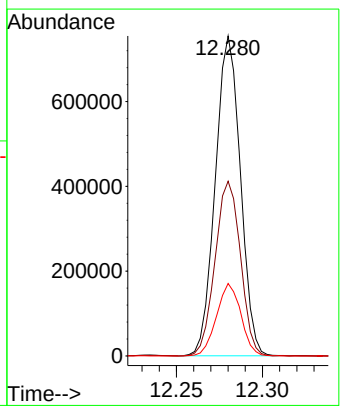
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

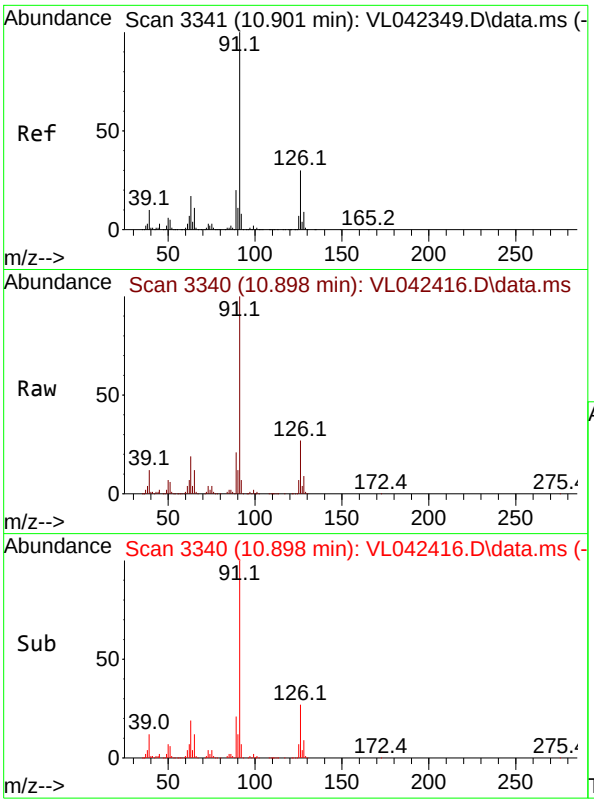


#70
n-Butylbenzene
Concen: 9.188 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 765539

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.2	66.4
134	22.1	18.2	27.4

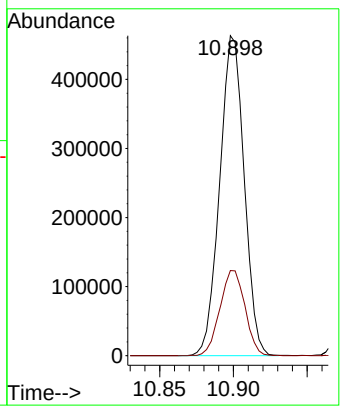




#71
2-Chlorotoluene
Concen: 9.467 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 53483

Ion	Ratio	Lower	Upper
91	100		
126	27.2	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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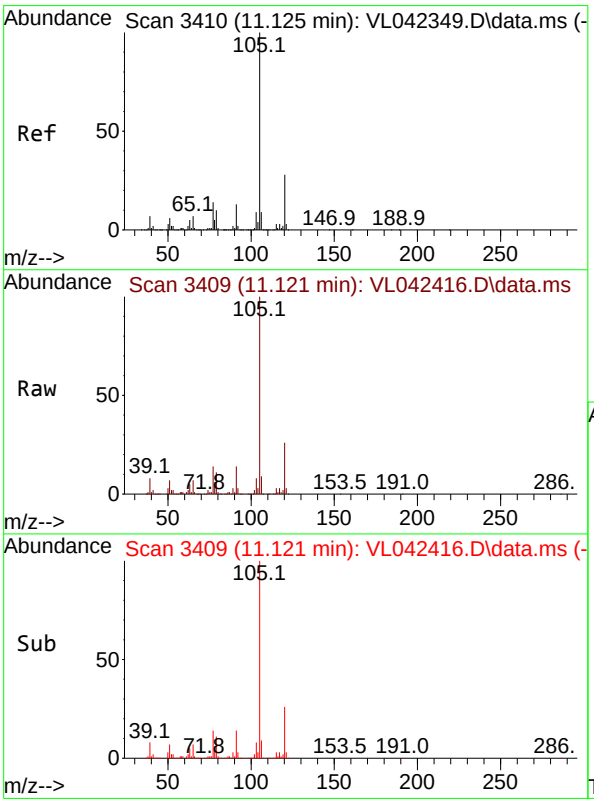
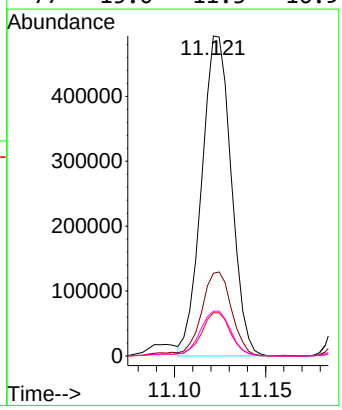
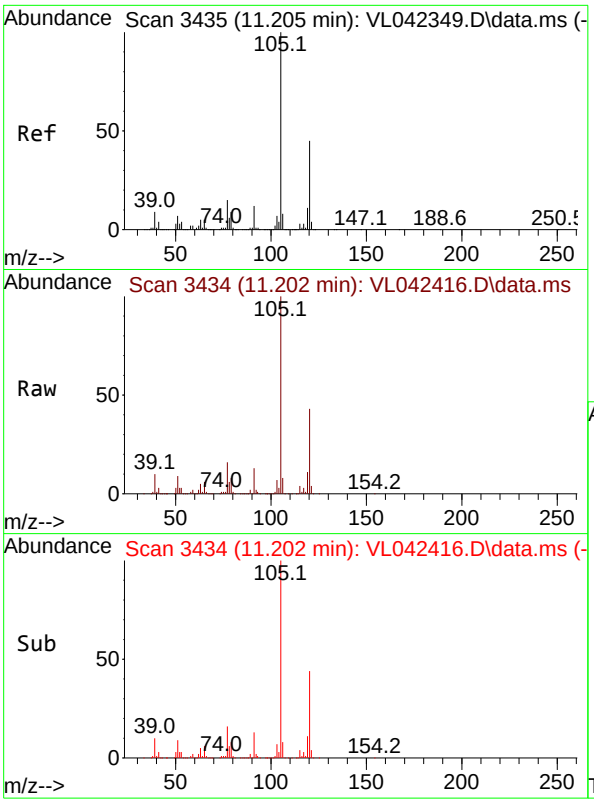


#72
4-Ethyltoluene
Concen: 9.280 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 556591

Ion	Ratio	Lower	Upper
105	100		
120	27.4	23.2	34.8
91	13.9	10.4	15.6
77	15.0	11.3	16.9

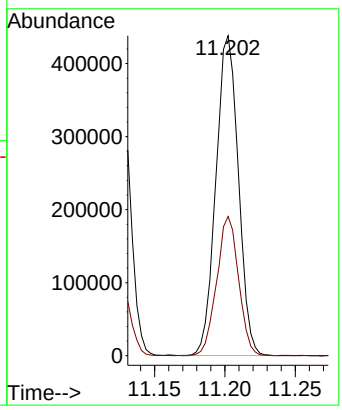




#73
1,3,5-Trimethylbenzene
Concen: 9.201 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 48722

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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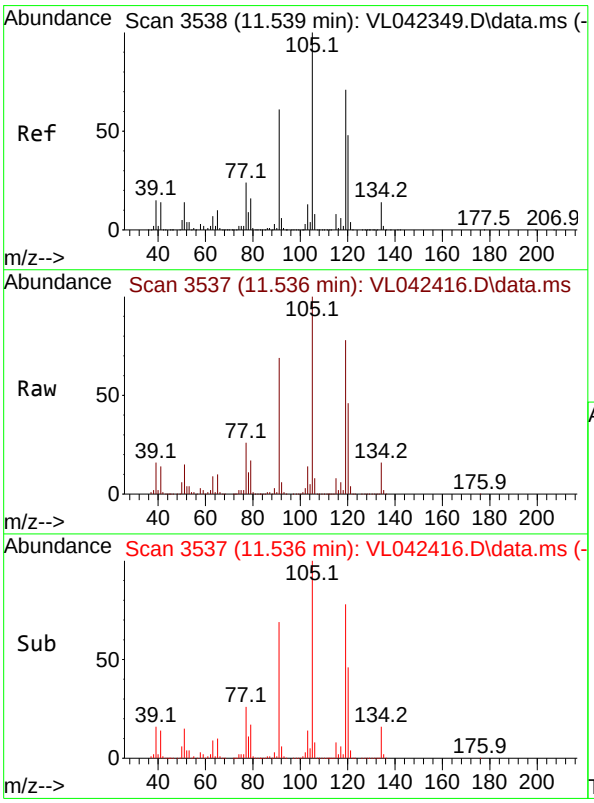
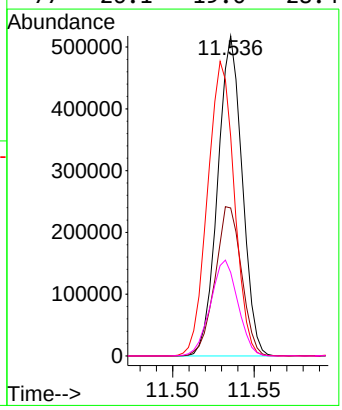
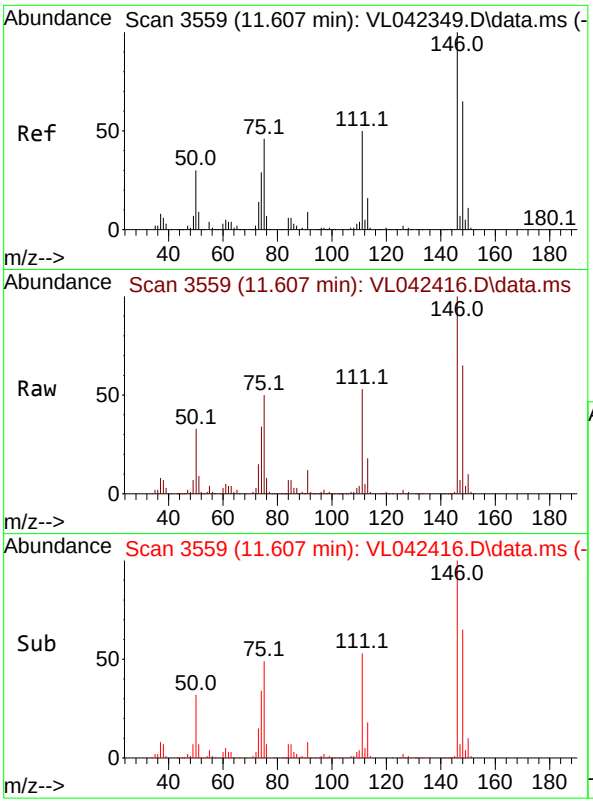


#74
1,2,4-Trimethylbenzene
Concen: 8.759 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 541720

Ion	Ratio	Lower	Upper
105	100		
120	46.2	38.1	57.1
91	68.6	48.8	73.2
77	26.1	19.0	28.4

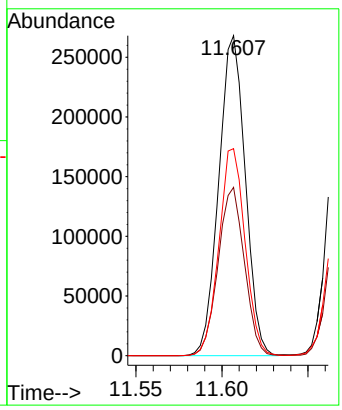




#75
1,3-Dichlorobenzene
Concen: 8.936 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:146 Resp: 28728

Ion	Ratio	Lower	Upper
146	100		
111	52.1	24.3	72.8
148	63.9	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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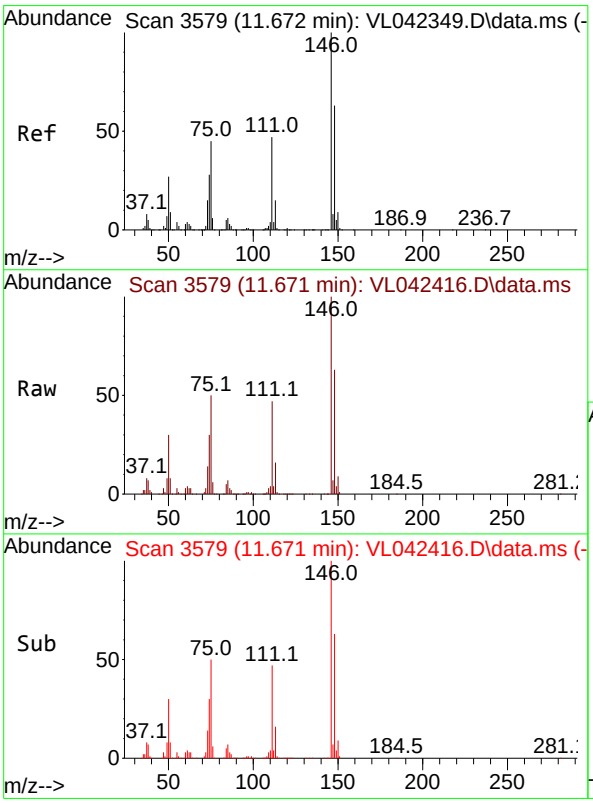
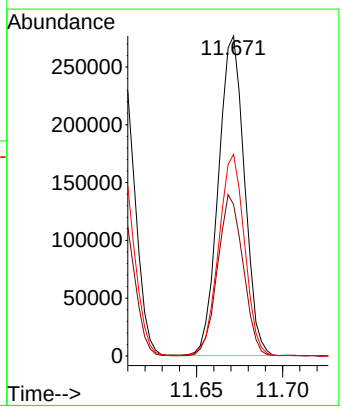
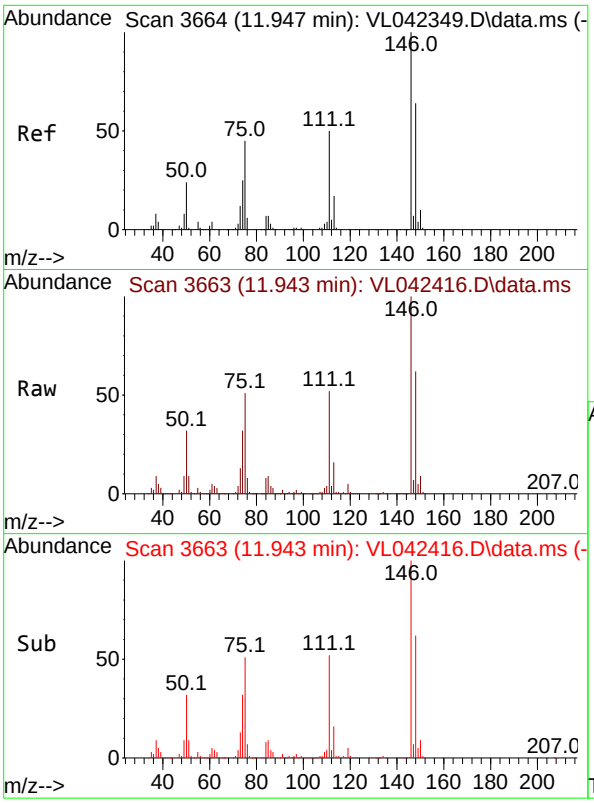


#76
1,4-Dichlorobenzene
Concen: 8.991 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:146 Resp: 290512

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.2	72.6
148	63.2	32.1	96.5

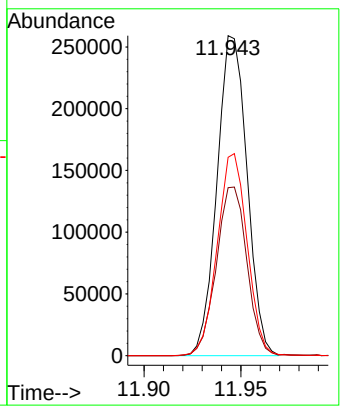




#77
1,2-Dichlorobenzene
Concen: 8.956 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:146 Resp: 27996

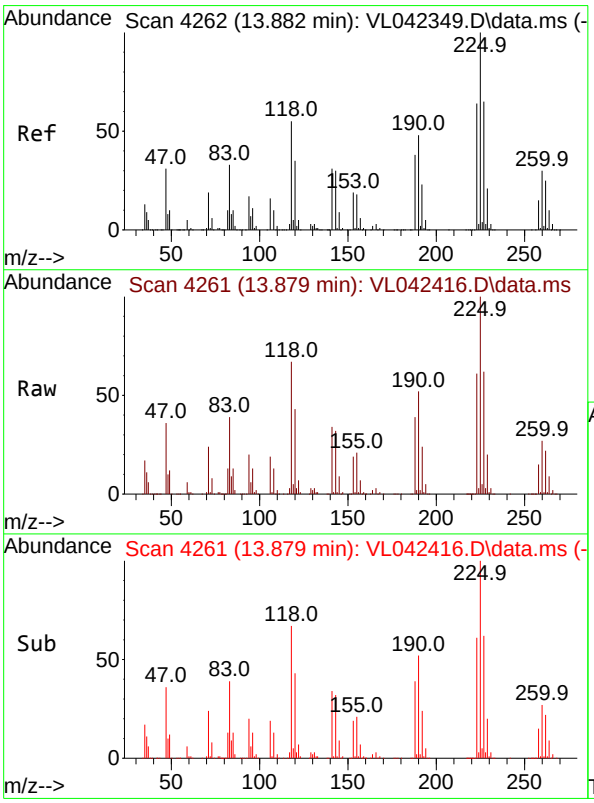
Ion	Ratio	Lower	Upper
146	100		
111	53.8	25.3	75.9
148	62.9	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

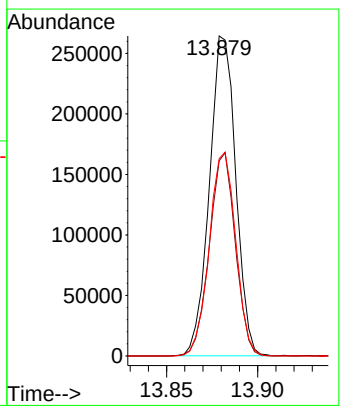
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

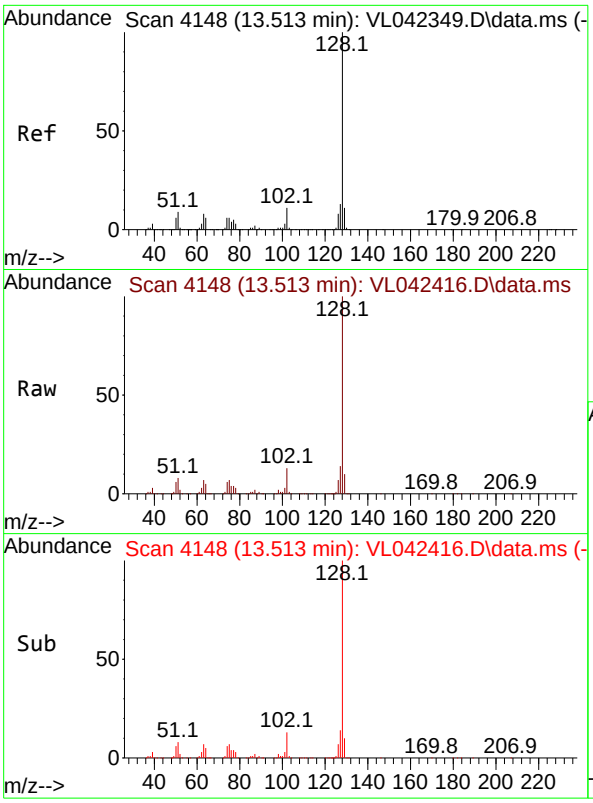


#78
Hexachloro-1,3-Butadiene
Concen: 8.419 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:225 Resp: 265745

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	64.0	51.5	77.3

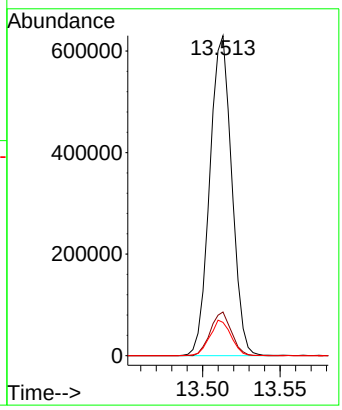




#79
Naphthalene
Concen: 8.418 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:128 Resp: 62260

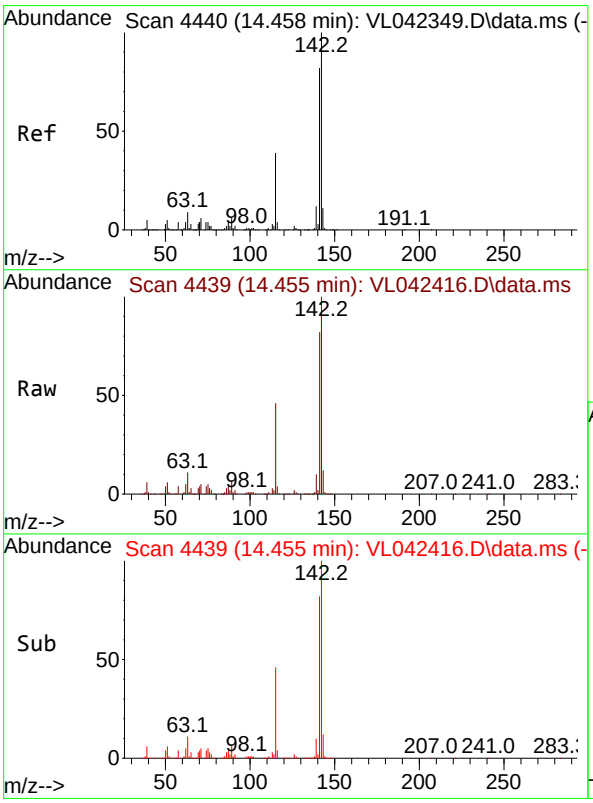
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	10.4	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

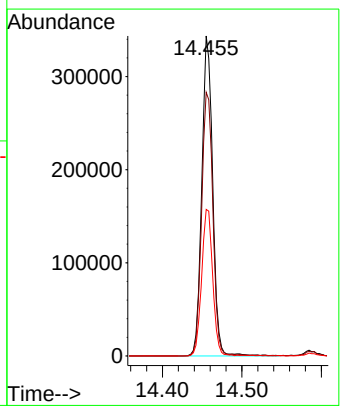
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

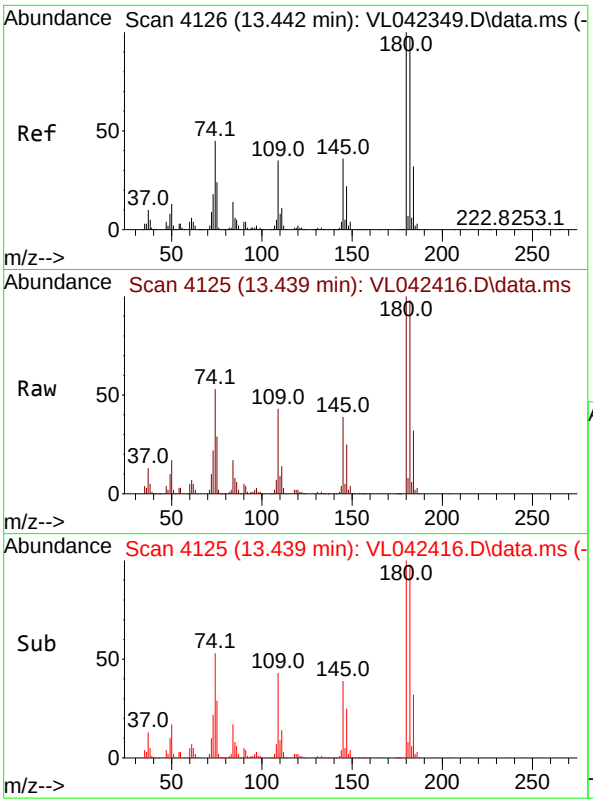


#80
Naphthalene,2-methyl-
Concen: 7.783 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:142 Resp: 328047

Ion	Ratio	Lower	Upper
142	100		
141	86.0	66.8	100.2
115	47.0	33.4	50.2

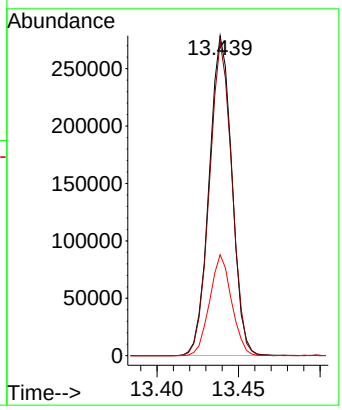




#81
1,2,4-Trichlorobenzene
Concen: 8.493 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:180 Resp: 26971

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
184	30.6	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 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	97	0.00
2	T	Dichlorodifluoromethane	1.767	1.796	-1.6	105	0.00
3		Chlorodifluoromethane	1.682	1.575	6.4	97	0.00
4		Chloromethane	0.699	0.698	0.1	104	0.00
5	T	Vinyl Chloride	0.761	0.679	10.8	103	0.00
6	T	Bromomethane	0.327	0.307	6.1	98	0.00
7		Chloroethane	0.275	0.264	4.0	102	0.00
8	T	Dichlorotetrafluoroethane	1.517	1.551	-2.2	105	0.00
9	T	Propene	0.766	0.623	18.7	88	0.00
10	T	Heptane	2.153	1.687	21.6	87	0.00
11	T	Trichlorofluoromethane	1.680	1.728	-2.9	107	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.374	1.337	2.7	102	0.00
13		Ethanol	0.122	0.038#	68.9#	104	0.00
14	T	Bromoethene	0.518	0.518	0.0	103	0.00
15	T	Acetone	1.637	1.412	13.7	109	0.00
16	T	1,3-Butadiene	0.783	0.695	11.2	104	0.00
17		tert-Butyl alcohol	2.029	1.859	8.4	100	0.00
18	T	1,1-Dichloroethene	0.642	0.605	5.8	101	0.00
19	T	Isopropyl Alcohol	0.909	0.828	8.9	98	0.00
20	T	Methylene Chloride	0.641	0.512	20.1	100	0.00
21	T	Allyl Chloride	1.130	1.026	9.2	103	0.00
22	T	trans-1,2-Dichloroethene	0.731	0.669	8.5	98	0.00
23	T	Vinyl Acetate	0.663	0.532	19.8	93	0.00
24	T	1,1-Dichloroethane	1.388	1.337	3.7	101	0.00
25	T	Ethyl Acetate	4.036	3.485	13.7	92	0.00
26	T	Hexane	1.633	1.367	16.3	93	0.00
27	T	Carbon Disulfide	1.749	1.685	3.7	98	0.00
28	T	Methyl tert-Butyl Ether	1.070	0.955	10.7	99	0.00
29	T	Chloroform	2.309	2.303	0.3	104	0.00
30	T	Cyclohexane	1.320	1.168	11.5	91	0.00
31	T	cis-1,2-Dichloroethene	1.553	1.488	4.2	99	0.00
32	T	1,1,1-Trichloroethane	2.599	2.470	5.0	106	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
34	T	2-Butanone	0.791	0.699	11.6	96	0.00
35	T	Carbon Tetrachloride	0.905	0.885	2.2	108	0.00
36	T	Benzene	1.079	0.982	9.0	92	0.00
37	T	1,2-Dichloroethane	0.647	0.684	-5.7	109	0.00
38	T	Trichloroethene	0.471	0.396	15.9	94	0.00
39	T	1,2-Dichloropropane	0.402	0.354	11.9	90	0.00
40	T	1,4-Dioxane	0.221	0.171	22.6	88	0.00
41	T	Tetrahydrofuran	0.461	0.386	16.3	89	0.00
42	T	Bromodichloromethane	0.901	0.901	0.0	100	0.00
43		Methyl Methacrylate	0.486	0.400	17.7	88	0.00
44	T	2,2,4-Trimethylpentane	1.863	1.630	12.5	90	0.00
45	T	t-1,3-Dichloropropene	0.497	0.456	8.2	93	0.00
46	T	cis-1,3-Dichloropropene	0.608	0.554	8.9	92	0.00
47	T	1,1,2-Trichloroethane	0.410	0.388	5.4	97	0.00
48	T	Dibromochloromethane	0.723	0.711	1.7	99	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 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	0.633	0.577	8.8	88	0.00
50	T	4-Methyl-2-Pentanone	1.314	1.032	21.5	90	0.00
51	T	2-Hexanone	1.179	0.832	29.4	88	0.00
52	T	Tetrachloroethene	0.417	0.331	20.6	87	0.00
53	T	Toluene	1.294	1.154	10.8	91	0.00
54	T	1,2-Dibromoethane	0.586	0.550	6.1	96	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.605	0.603	0.3	99	0.00
57	T	Chlorobenzene	1.040	0.985	5.3	93	0.00
58	T	Ethyl Benzene	1.981	1.861	6.1	92	0.00
59	T	m/p-Xylene	1.596	1.522	4.6	94	0.00
60	T	o-Xylene	1.607	1.528	4.9	96	0.00
61	T	Styrene	0.767	0.698	9.0	87	0.00
62		Isopropylbenzene	2.360	2.230	5.5	93	0.00
63	T	1,1,2,2-Tetrachloroethane	1.042	0.900	13.6	93	0.00
64		n-propylbenzene	0.593	0.547	7.8	91	0.00
65		tert-Butylbenzene	2.169	1.999	7.8	95	0.00
66	T	Benzyl Chloride	0.238	0.194	18.5	71	0.00
67		sec-Butylbenzene	3.017	2.798	7.3	95	0.00
68	S	1-Bromo-4-Fluorobenzene	0.822	0.866	-5.4	94	0.00
69		p-Isopropyltoluene	2.621	2.399	8.5	94	0.00
70		n-Butylbenzene	2.730	2.508	8.1	96	0.00
71		2-Chlorotoluene	1.851	1.752	5.3	93	0.00
72	T	4-Ethyltoluene	1.965	1.823	7.2	93	0.00
73	T	1,3,5-Trimethylbenzene	1.735	1.596	8.0	95	0.00
74	T	1,2,4-Trimethylbenzene	2.026	1.775	12.4	96	0.00
75	T	1,3-Dichlorobenzene	1.053	0.941	10.6	90	0.00
76	T	1,4-Dichlorobenzene	1.059	0.952	10.1	91	0.00
77	T	1,2-Dichlorobenzene	1.024	0.917	10.4	92	0.00
78	T	Hexachloro-1,3-Butadiene	1.034	0.871	15.8	91	0.00
79	T	Naphthalene	2.423	2.040	15.8	92	0.00
80	T	Naphthalene,2-methyl-	1.381	1.075	22.2	87	0.00
81	T	1,2,4-Trichlorobenzene	1.040	0.884	15.0	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG No.: Q1880

Instrument ID: MSVOA_L Calibration Date/Time: 04/29/2025 08:39

Lab File ID: VL042436.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.767	2.050		16.02	30
Chloromethane	0.699	0.788		12.73	30
Vinyl Chloride	0.761	0.756		-0.66	30
Bromomethane	0.327	0.358		9.48	30
Chloroethane	0.275	0.307		11.64	30
Tetrahydrofuran	0.461	0.391		-15.18	30
Trichlorofluoromethane	1.680	1.990		18.45	30
1,1,2-Trichlorotrifluoroethane	1.374	1.502		9.32	30
Dichlorotetrafluoroethane	1.517	1.746		15.1	30
tert-Butyl alcohol	2.029	2.005		-1.18	30
Heptane	2.153	1.613		-25.08	30
1,1-Dichloroethene	0.642	0.659		2.65	30
Acetone	1.637	1.614		-1.4	30
Carbon Disulfide	1.749	1.858		6.23	30
Methyl tert-Butyl Ether	1.070	0.996		-6.92	30
Methylene Chloride	0.641	0.587		-8.42	30
trans-1,2-Dichloroethene	0.731	0.756		3.42	30
1,1-Dichloroethane	1.388	1.506		8.5	30
Cyclohexane	1.320	1.140		-13.64	30
2-Butanone	0.791	0.745		-5.82	30
Carbon Tetrachloride	0.905	1.017		12.38	30
cis-1,2-Dichloroethene	1.553	1.525		-1.8	30
Chloroform	2.309	2.540		10	30
1,1,1-Trichloroethane	2.599	2.727		4.93	30
2,2,4-Trimethylpentane	1.863	1.678		-9.93	30
Benzene	1.079	1.010		-6.39	30
1,2-Dichloroethane	0.647	0.786		21.48	30
Trichloroethene	0.471	0.398		-15.5	30
1,2-Dichloropropane	0.402	0.354		-11.94	30
Bromodichloromethane	0.901	1.002		11.21	30
4-Methyl-2-Pentanone	1.314	1.047		-20.32	30
Toluene	1.294	1.161		-10.28	30
t-1,3-Dichloropropene	0.497	0.448		-9.86	30
cis-1,3-Dichloropropene	0.608	0.544		-10.53	30
1,1,2-Trichloroethane	0.410	0.415		1.22	30
Dibromochloromethane	0.723	0.748		3.46	30
1,2-Dibromoethane	0.586	0.578		-1.37	30
Tetrachloroethene	0.417	0.327		-21.58	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1880 SAS No.: Q1880 SDG No.: Q1880

Instrument ID: MSVOA_L Calibration Date/Time: 04/29/2025 08:39

Lab File ID: VL042436.D Init. Calib. Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:44 12:54

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.040	1.049		0.87	30
Ethyl Benzene	1.981	1.988		0.35	30
m/p-Xylene	1.596	1.685		5.58	30
o-Xylene	1.607	1.718		6.91	30
Styrene	0.767	0.725		-5.48	30
Bromoform	0.633	0.607		-4.11	30
1,1,2,2-Tetrachloroethane	1.042	1.010		-3.07	30
2-Chlorotoluene	1.851	1.956		5.67	30
1,3,5-Trimethylbenzene	1.735	1.830		5.48	30
1,2,4-Trimethylbenzene	2.026	2.052		1.28	30
1,3-Dichlorobenzene	1.053	1.056		0.28	30
1,4-Dichlorobenzene	1.059	1.081		2.08	30
1,2-Dichlorobenzene	1.024	1.051		2.64	30
1,2,4-Trichlorobenzene	1.040	0.974		-6.35	30
Hexachloro-1,3-Butadiene	1.034	0.976		-5.61	30
1,3-Butadiene	0.783	0.776		-0.89	30
Naphthalene	2.423	2.279		-5.94	30
4-Ethyltoluene	1.965	2.072		5.45	30
1-Bromo-4-Fluorobenzene	0.822	0.938		14.11	30
Hexane	1.633	1.343		-17.76	30
Allyl Chloride	1.130	1.151		1.86	30
1,4-Dioxane	220.893	174.653		-20.93	30
Methyl Methacrylate	0.486	0.407		-16.25	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\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.780	49	114553	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	311268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	269987	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.373	95	253216	11.413	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	234841	11.603	ppbv	97
3) Chlorodifluoromethane	1.473	51	188007	9.755	ppbv	95
4) Chloromethane	1.531	50	90298	11.274	ppbv	100
5) Vinyl Chloride	1.576	62	86603	9.933	ppbv	96
6) Bromomethane	1.664	94	41020	10.952	ppbv	85
7) Chloroethane	1.703	64	35167	11.153	ppbv	95
8) Dichlorotetrafluoroethane	1.550	85	199977	11.508	ppbv	94
9) Propene	1.482	41	69189	7.883	ppbv	98
10) Heptane	4.968	43	184737	7.492	ppbv	99
11) Trichlorofluoromethane	1.874	101	227979	11.845	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	172070	10.934	ppbv	99
13) Ethanol	1.719	45	4336	3.108	ppbv	81
14) Bromoethene	1.777	108	63597	10.721	ppbv	97
15) Acetone	1.832	43	184887	9.859	ppbv	98
16) 1,3-Butadiene	1.605	39	88889	9.910	ppbv	95
17) tert-Butyl alcohol	2.036	59	229627	9.881	ppbv	99
18) 1,1-Dichloroethene	2.029	96	75451	10.263	ppbv	94
19) Isopropyl Alcohol	1.884	45	101987	9.790	ppbv	91
20) Methylene Chloride	2.059	84	67278	9.161	ppbv	95
21) Allyl Chloride	2.091	41	131864	10.184	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	86577	10.343	ppbv	95
23) Vinyl Acetate	2.460	43	61601	8.115	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	172555	10.852	ppbv	98
25) Ethyl Acetate	2.832	43	408744	8.840	ppbv	100
26) Hexane	2.819	57	153801	8.220	ppbv	96
27) Carbon Disulfide	2.146	76	212793	10.622	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	114108	9.308	ppbv	93
29) Chloroform	2.845	83	290965	11.002	ppbv	100
30) Cyclohexane	3.848	84	130608	8.635	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	174659	9.818	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	312430	10.493	ppbv	99
34) 2-Butanone	2.554	43	232034	9.426	ppbv	98
35) Carbon Tetrachloride	3.755	117	316689	11.242	ppbv	94
36) Benzene	3.651	78	314493	9.367	ppbv	95
37) 1,2-Dichloroethane	3.214	62	244516	12.134	ppbv #	96
38) Trichloroethene	4.541	130	123997	8.450	ppbv #	88
39) 1,2-Dichloropropane	4.305	63	110315	8.817	ppbv #	84
40) 1,4-Dioxane	4.577	88	54364	7.907	ppbv #	90
41) Tetrahydrofuran	3.049	42	121700	8.479	ppbv	100
42) Bromodichloromethane	4.483	83	312029	11.127	ppbv	98
43) Methyl Methacrylate	4.874	69	126594	8.367	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	522427	9.010	ppbv	94
45) t-1,3-Dichloropropene	6.409	75	139508	9.026	ppbv	89

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	169355	8.953	ppbv		90
47) 1,1,2-Trichloroethane	6.570	97	129223m	10.138	ppbv		
48) Dibromochloromethane	7.380	129	232818	10.339	ppbv		100
49) Bromoform	9.477	173	188896	9.593	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	325855	7.965	ppbv		99
51) 2-Hexanone	7.428	43	269915	7.357	ppbv	#	93
52) Tetrachloroethene	8.218	164	101642	7.833	ppbv	#	84
53) Toluene	6.926	91	361317	8.968	ppbv		100
54) 1,2-Dibromoethane	7.645	107	179895	9.861	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.917	131	182759	11.184	ppbv		95
57) Chlorobenzene	8.920	112	283210	10.086	ppbv		97
58) Ethyl Benzene	9.351	91	536634	10.032	ppbv		96
59) m/p-Xylene	9.529	91	909704m	21.110	ppbv		
60) o-Xylene	9.959	91	463713	10.686	ppbv		96
61) Styrene	9.869	104	195813	9.454	ppbv		98
62) Isopropylbenzene	10.535	105	672630	10.558	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.959	83	272746	9.699	ppbv		99
64) n-propylbenzene	10.985	120	160736	10.037	ppbv		90
65) tert-Butylbenzene	11.529	119	616872	10.535	ppbv		98
66) Benzyl Chloride	11.613	91	49841	7.746	ppbv		98
67) sec-Butylbenzene	11.765	105	869595	10.677	ppbv		99
69) p-Isopropyltoluene	11.924	119	738863	10.442	ppbv		96
70) n-Butylbenzene	12.280	91	787717	10.688	ppbv		98
71) 2-Chlorotoluene	10.898	91	528205	10.571	ppbv		96
72) 4-Ethyltoluene	11.121	105	559285	10.542	ppbv		96
73) 1,3,5-Trimethylbenzene	11.199	105	493949	10.546	ppbv		93
74) 1,2,4-Trimethylbenzene	11.535	105	554136	10.130	ppbv		96
75) 1,3-Dichlorobenzene	11.603	146	285025	10.024	ppbv		97
76) 1,4-Dichlorobenzene	11.668	146	291795	10.210	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	283700	10.261	ppbv		97
78) Hexachloro-1,3-Butadiene	13.879	225	263477	9.437	ppbv		99
79) Naphthalene	13.510	128	615408	9.408	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	316788	8.497	ppbv		96
81) 1,2,4-Trichlorobenzene	13.439	180	263006	9.363	ppbv		98

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

Quantitation Report (QT Reviewed)

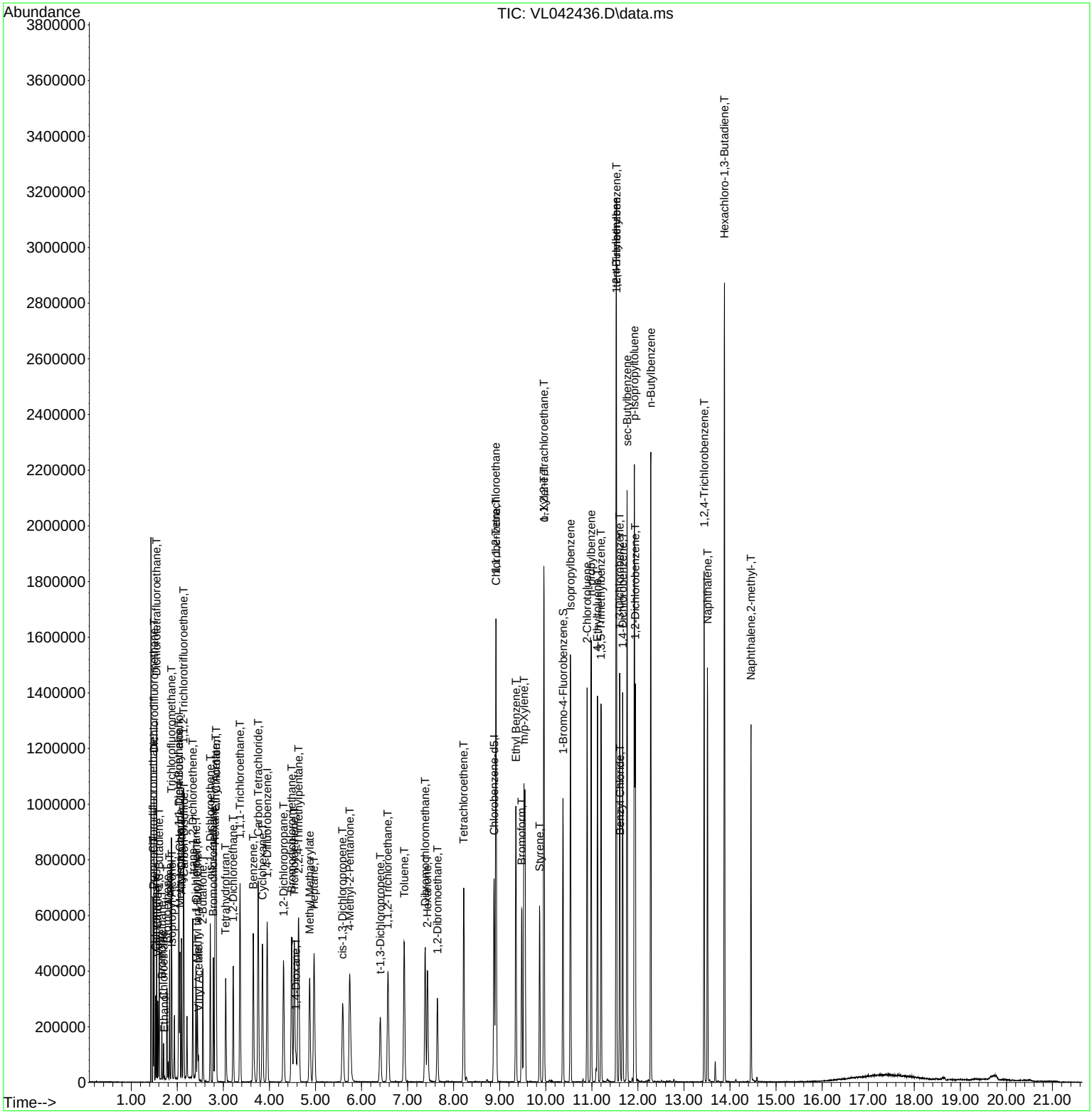
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

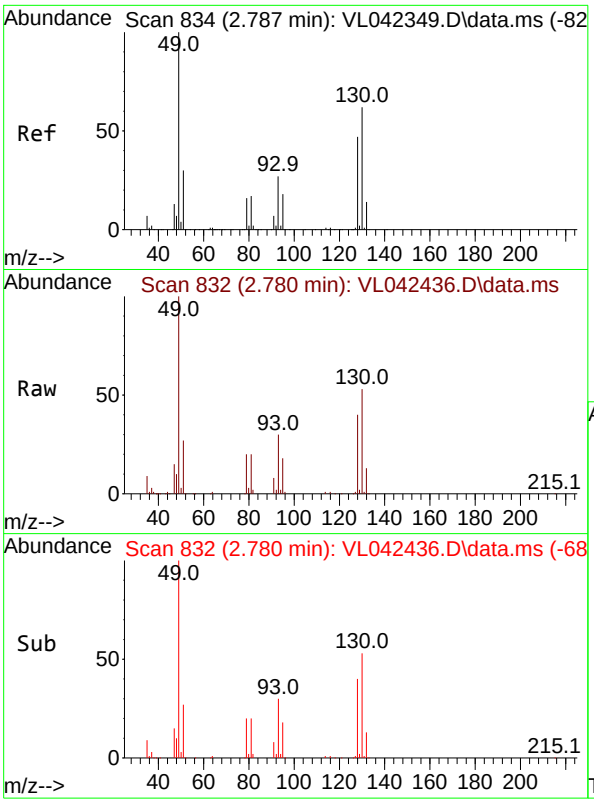
Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

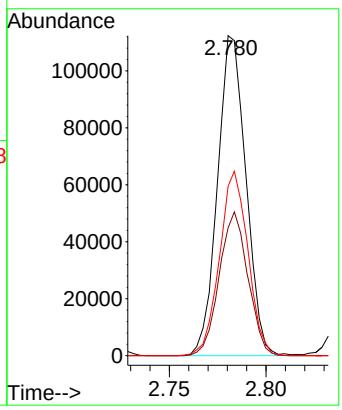




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 49 Resp: 11455

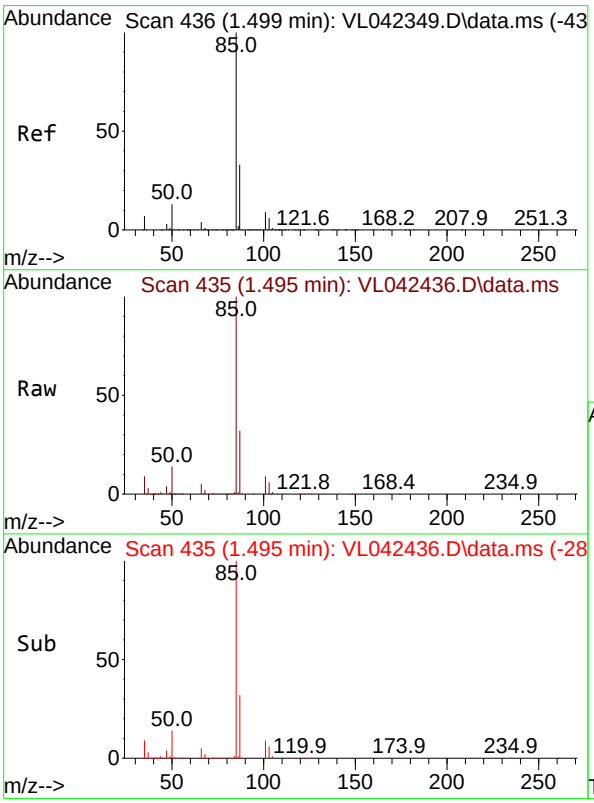
Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	57.8	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

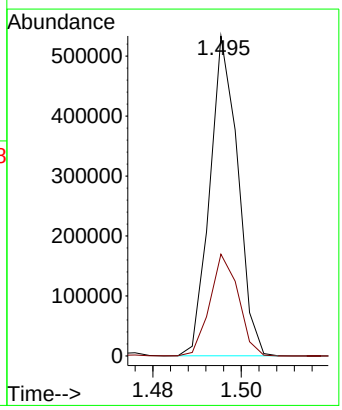
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

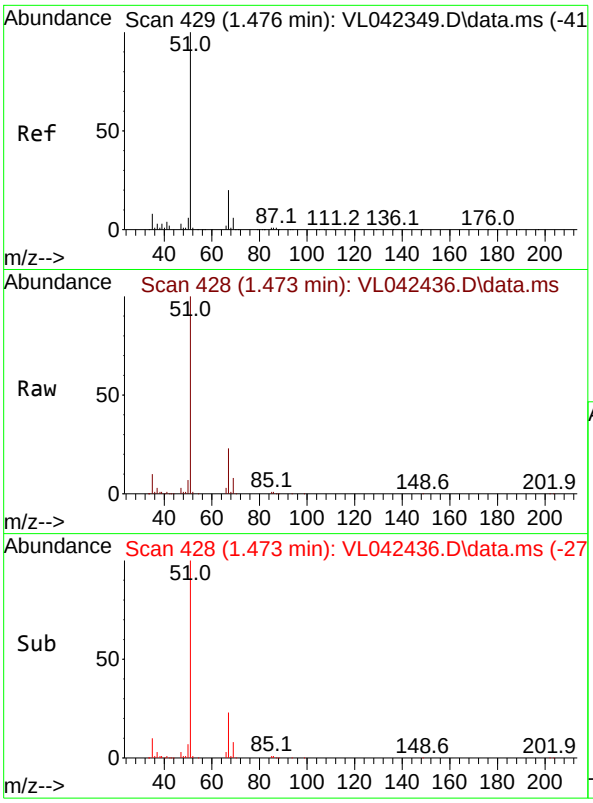


#2
Dichlorodifluoromethane
Concen: 11.603 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 85 Resp: 234841

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.6	39.8

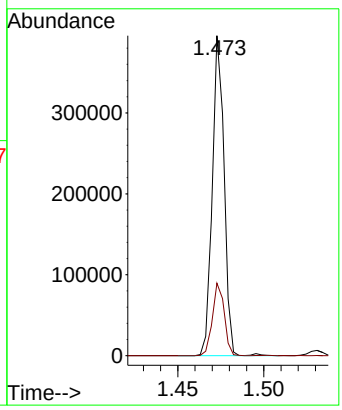




#3
Chlorodifluoromethane
Concen: 9.755 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 51 Resp: 18800

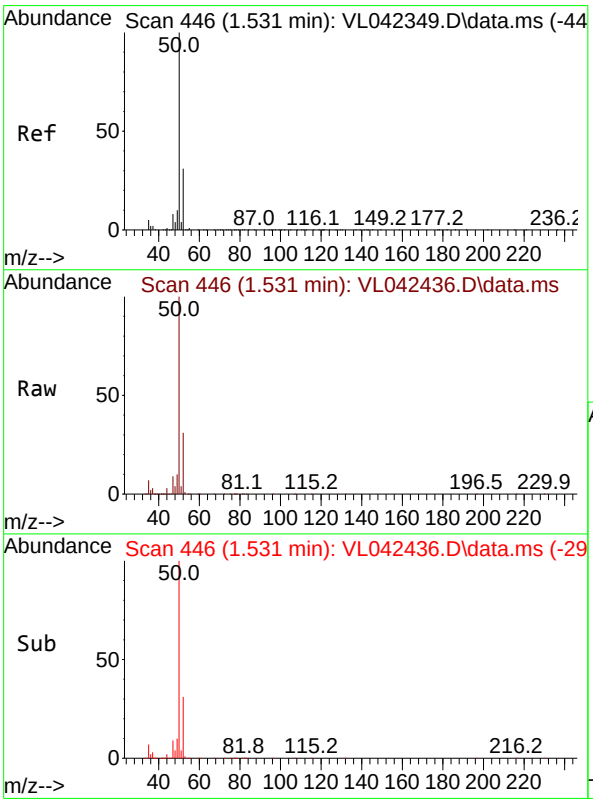
Ion	Ratio	Lower	Upper
51	100		
67	22.8	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

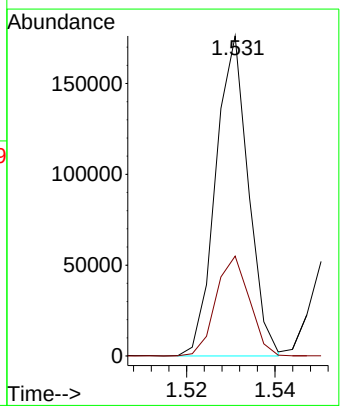
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

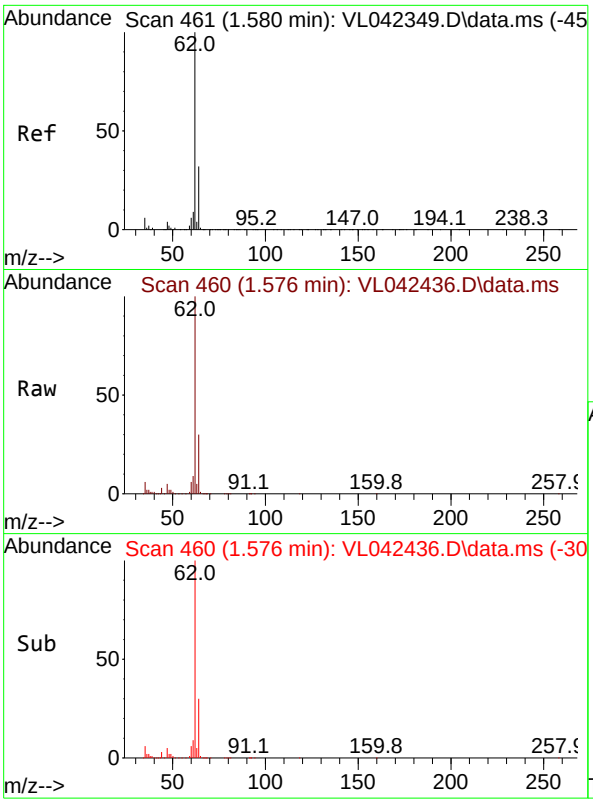


#4
Chloromethane
Concen: 11.274 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 50 Resp: 90298

Ion	Ratio	Lower	Upper
50	100		
52	31.2	24.7	37.1

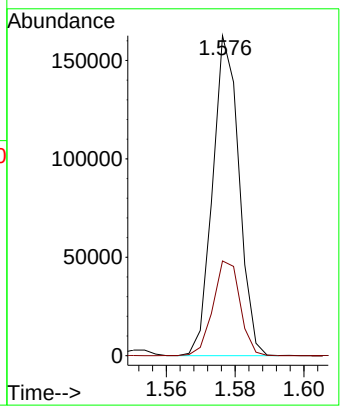




#5
Vinyl Chloride
Concen: 9.933 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 62 Resp: 8660

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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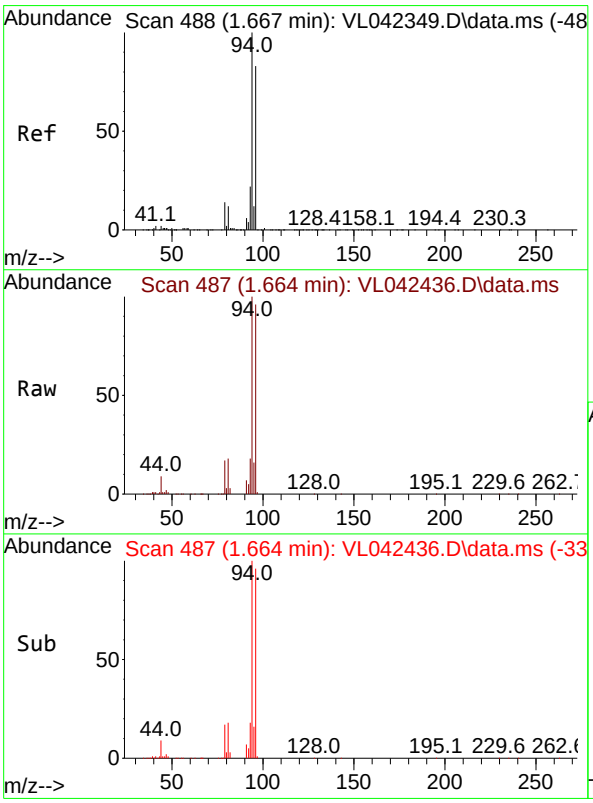
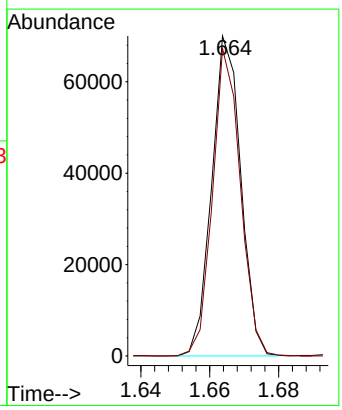
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

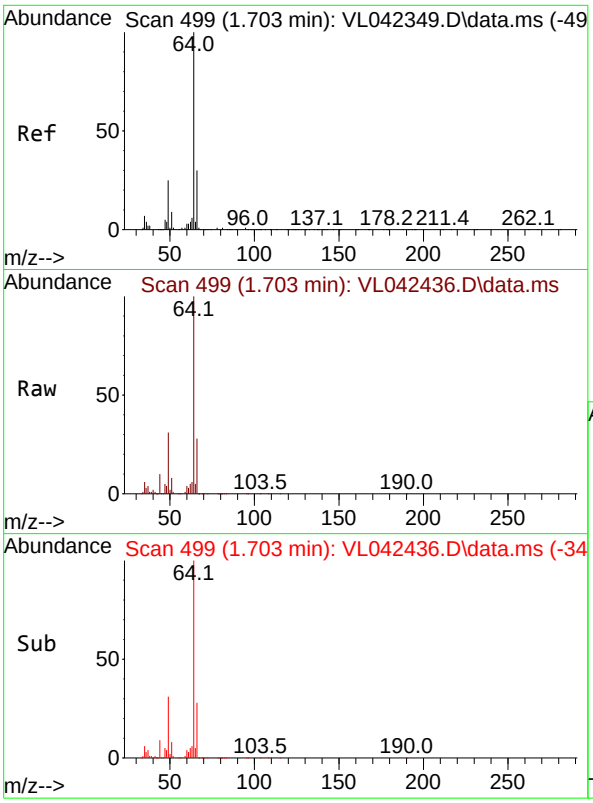


#6
Bromomethane
Concen: 10.952 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 94 Resp: 41020

Ion	Ratio	Lower	Upper
94	100		
96	95.9	66.2	99.2

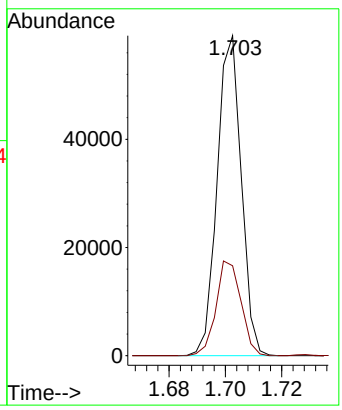




#7
Chloroethane
Concen: 11.153 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 64 Resp: 3516

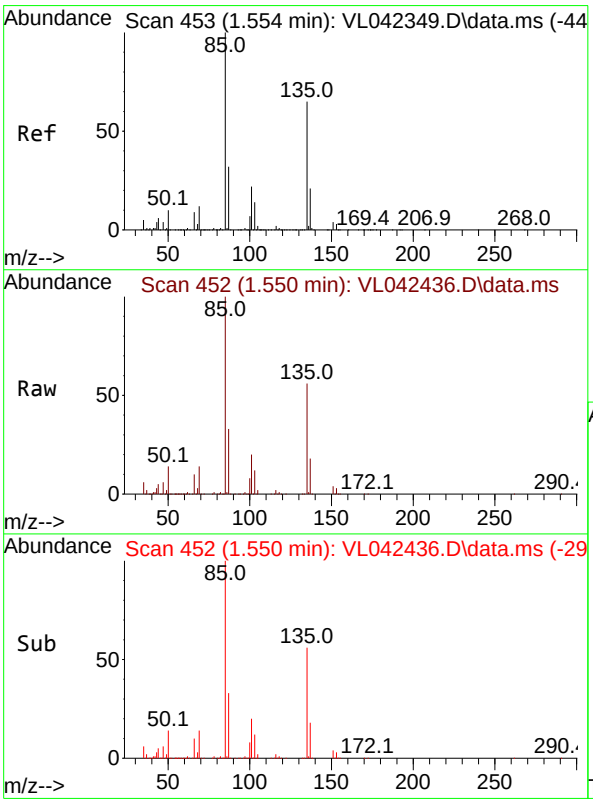
Ion	Ratio	Lower	Upper
64	100		
66	28.1	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

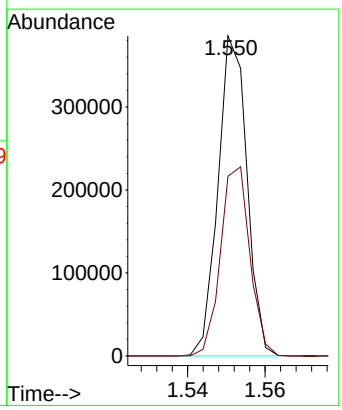
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

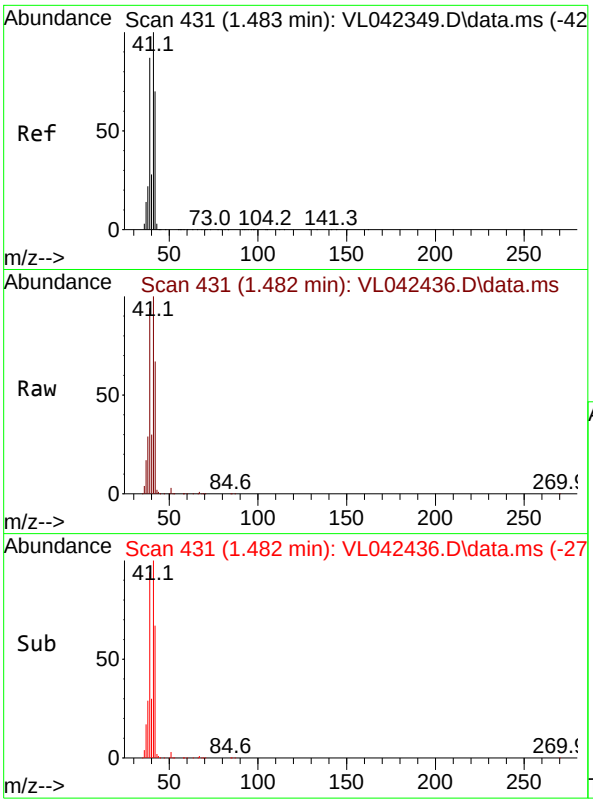


#8
Dichlorotetrafluoroethane
Concen: 11.508 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 85 Resp: 199977

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.2	78.2

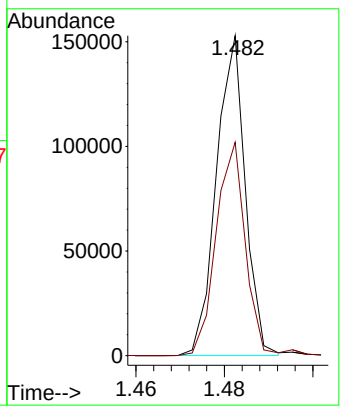




#9
Propene
Concen: 7.883 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 41 Resp: 6918

Ion	Ratio	Lower	Upper
41	100		
42	68.7	56.2	84.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

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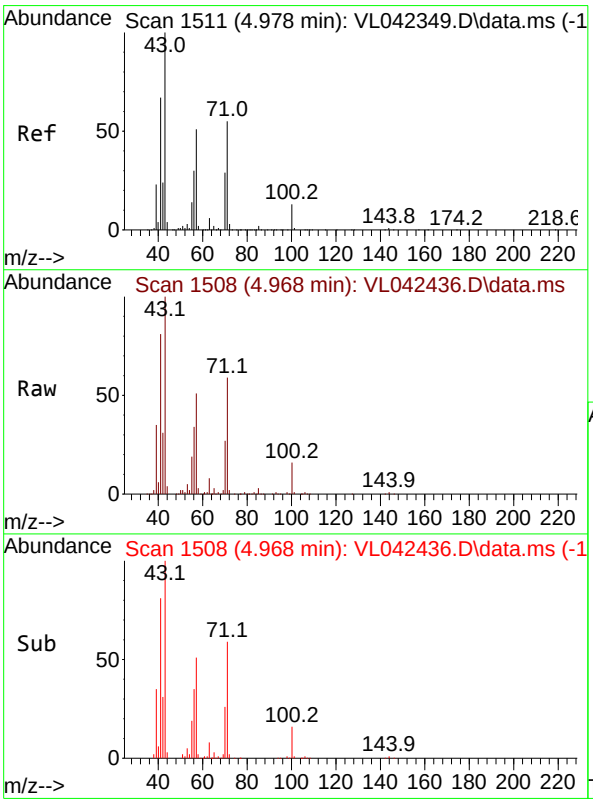
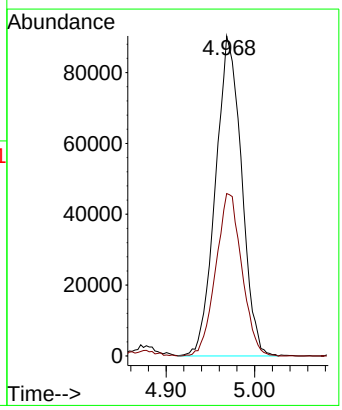
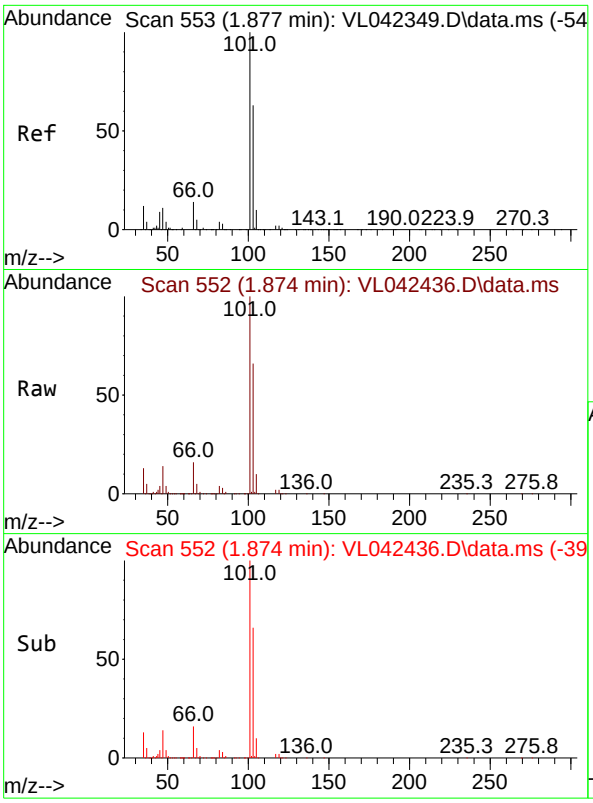


#10
Heptane
Concen: 7.492 ppbv
RT: 4.968 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 184737

Ion	Ratio	Lower	Upper
43	100		
57	50.9	39.9	59.9





#11
Trichlorofluoromethane
Concen: 11.845 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

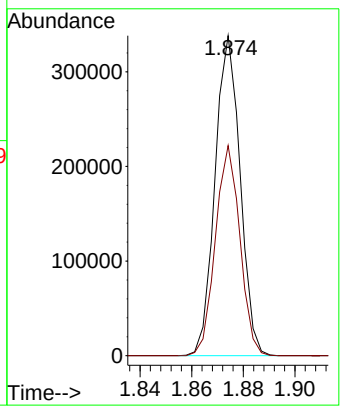
Tgt Ion:101 Resp: 22797

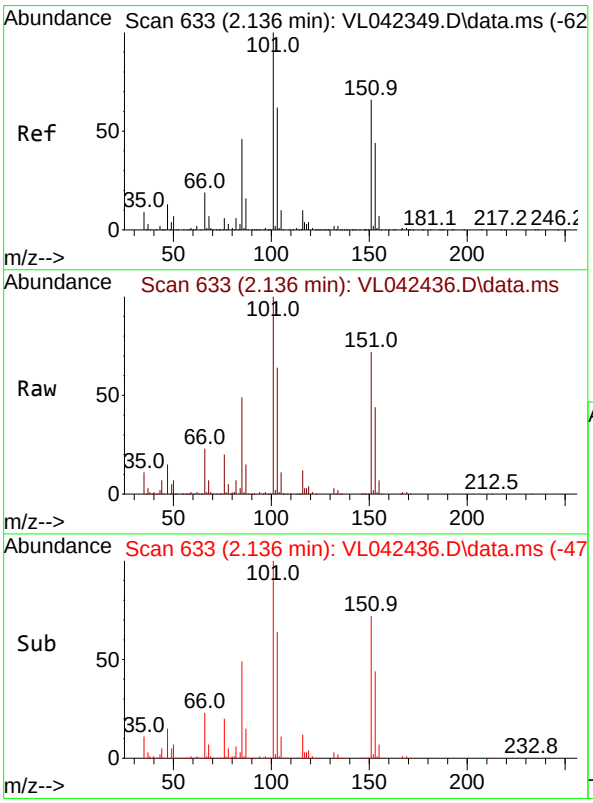
Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.1	75.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

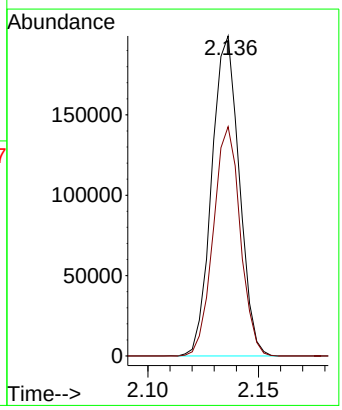


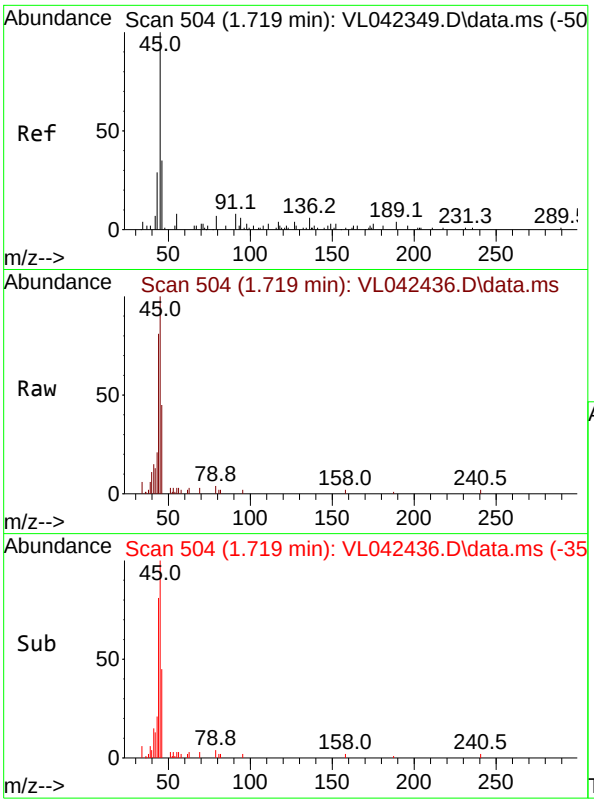


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.934 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:101 Resp: 172070

Ion	Ratio	Lower	Upper
101	100		
151	70.1	57.0	85.6

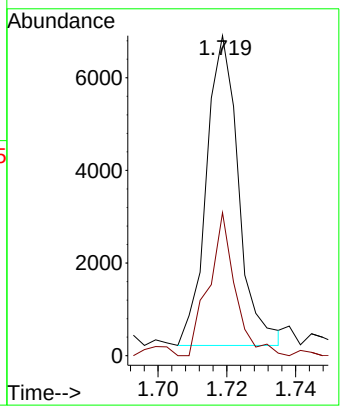




#13
Ethanol
Concen: 3.108 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 45 Resp: 433(

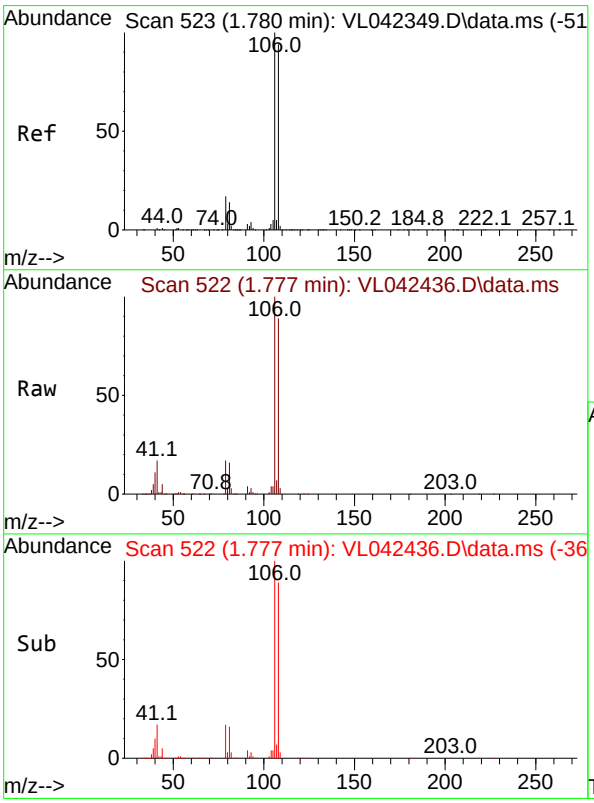
Ion	Ratio	Lower	Upper
45	100		
46	41.1	21.9	87.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

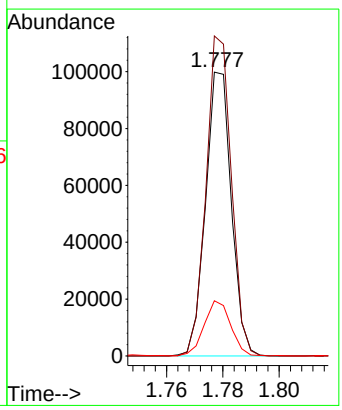
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

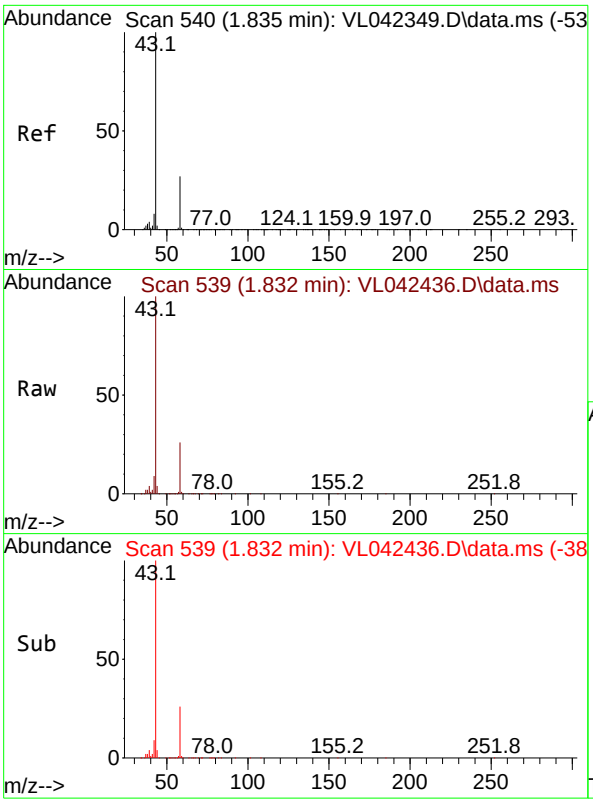


#14
Bromoethene
Concen: 10.721 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:108 Resp: 63597

Ion	Ratio	Lower	Upper
108	100		
106	110.4	85.9	128.9
79	20.1	13.9	20.9

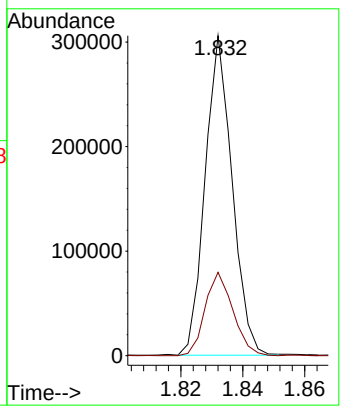




#15
Acetone
Concen: 9.859 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 18488

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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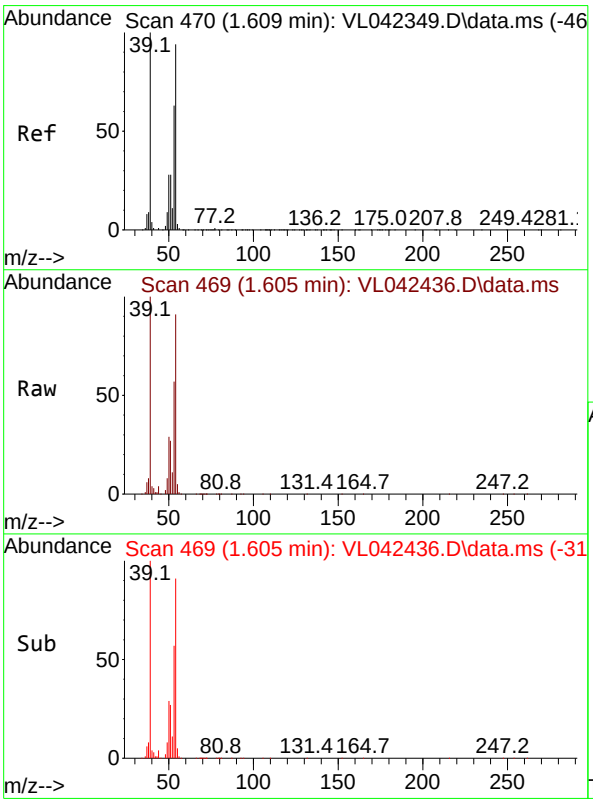
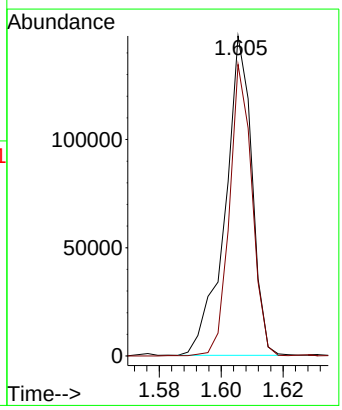
Supervised By :Mahesh Dadoda 04/30/2025

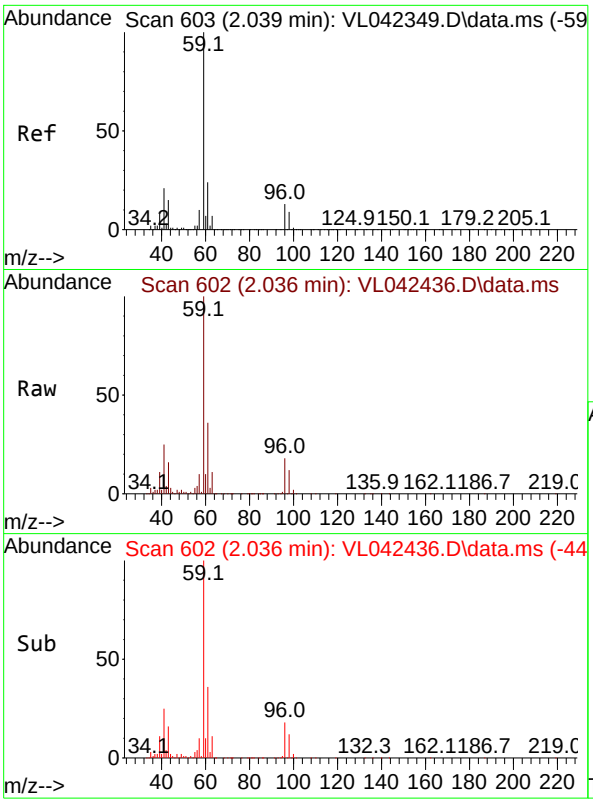


#16
1,3-Butadiene
Concen: 9.910 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 39 Resp: 88889

Ion	Ratio	Lower	Upper
39	100		
54	76.7	64.9	97.3

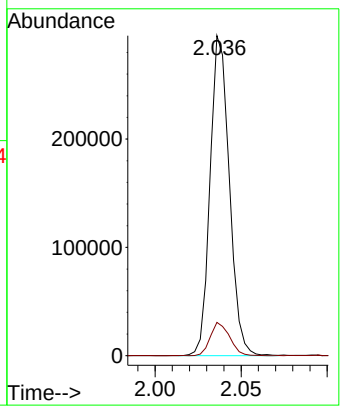




#17
tert-Butyl alcohol
Concen: 9.881 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 59 Resp: 22962

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.7	13.1



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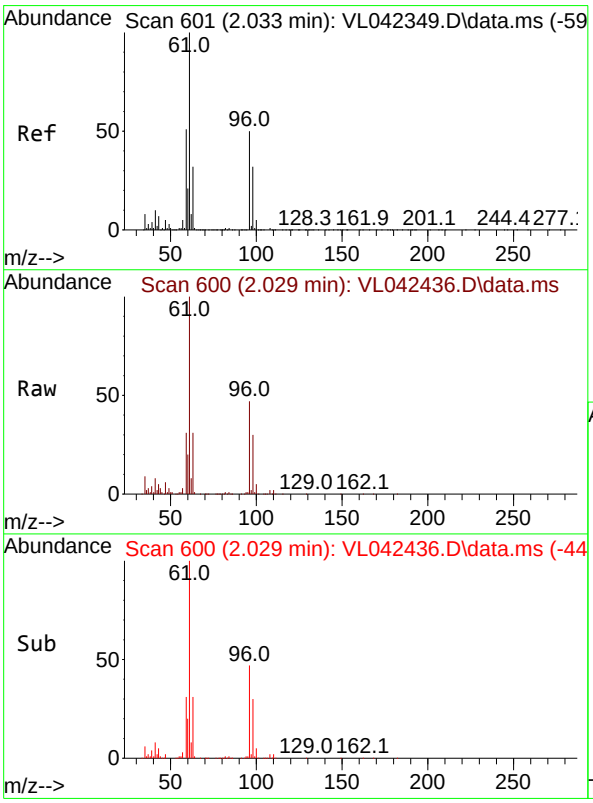
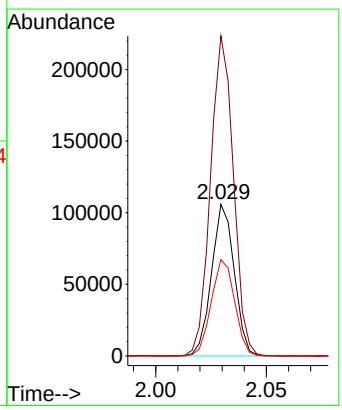
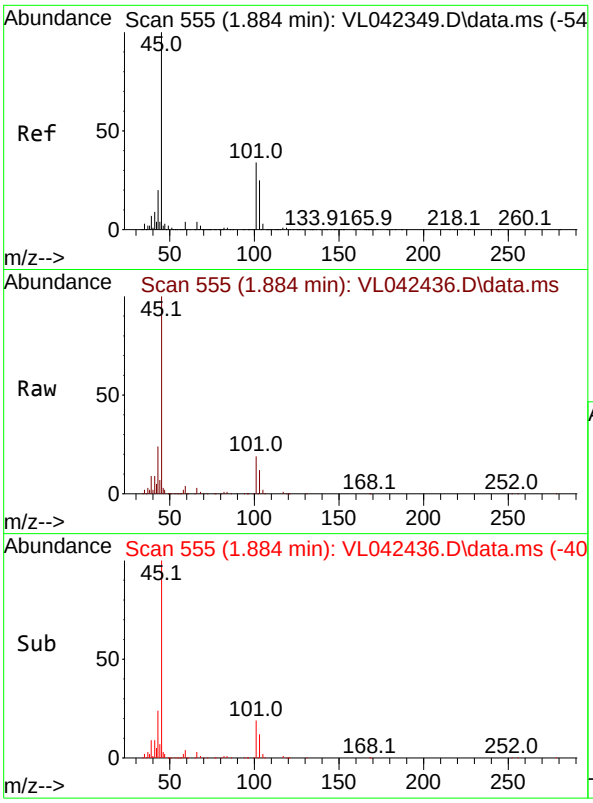


#18
1,1-Dichloroethene
Concen: 10.263 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 96 Resp: 75451

Ion	Ratio	Lower	Upper
96	100		
61	211.2	160.2	240.2
98	63.6	51.0	76.4

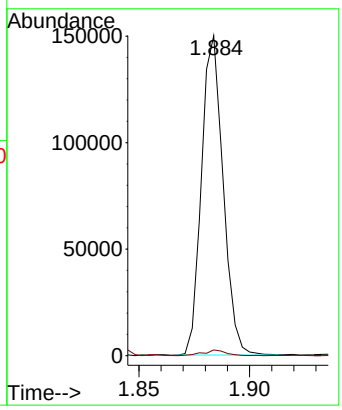




#19
Isopropyl Alcohol
Concen: 9.790 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 45 Resp: 10198

Ion	Ratio	Lower	Upper
45	100		
58	49.0	34.5	51.7



Instrument :
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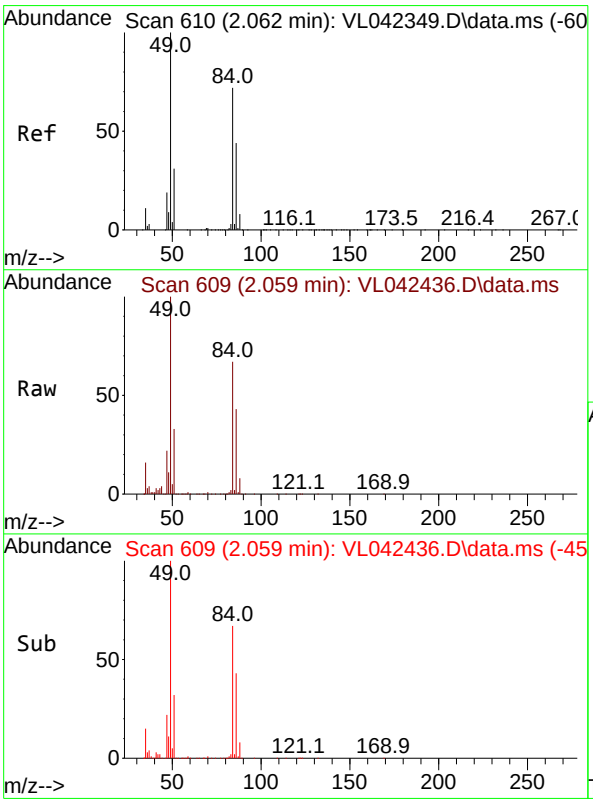
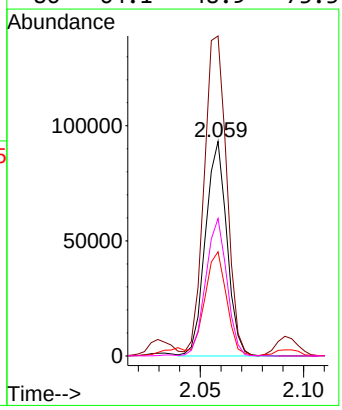
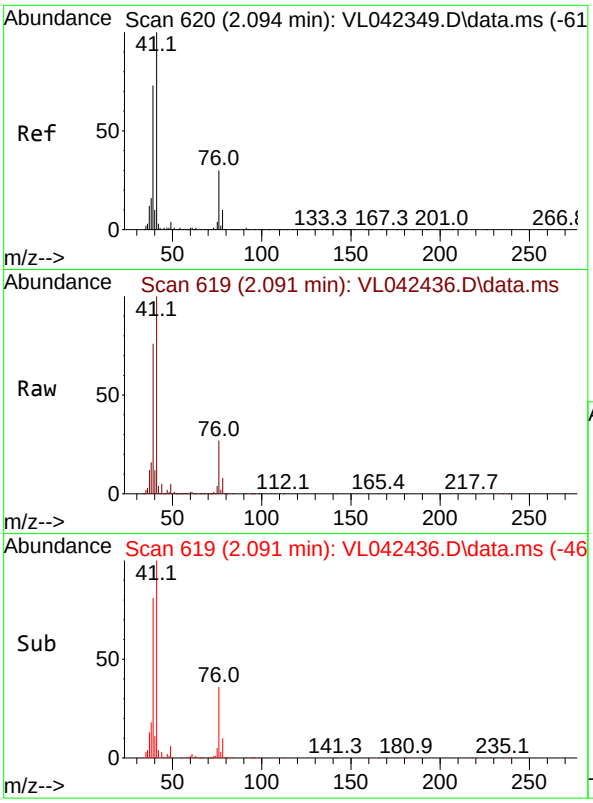


#20
Methylene Chloride
Concen: 9.161 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 84 Resp: 67278

Ion	Ratio	Lower	Upper
84	100		
49	146.9	111.6	167.4
51	45.9	35.1	52.7
86	64.1	48.9	73.3

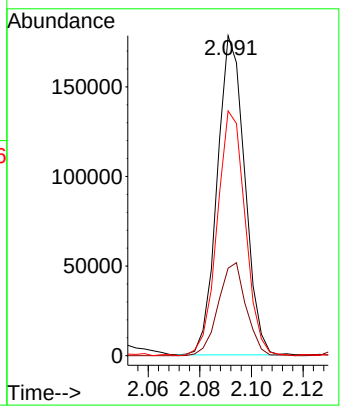




#21
Allyl Chloride
Concen: 10.184 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 41 Resp: 13186

Ion	Ratio	Lower	Upper
41	100		
76	29.4	24.8	37.2
39	77.4	60.6	90.8



Instrument :
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ClientSampleId :
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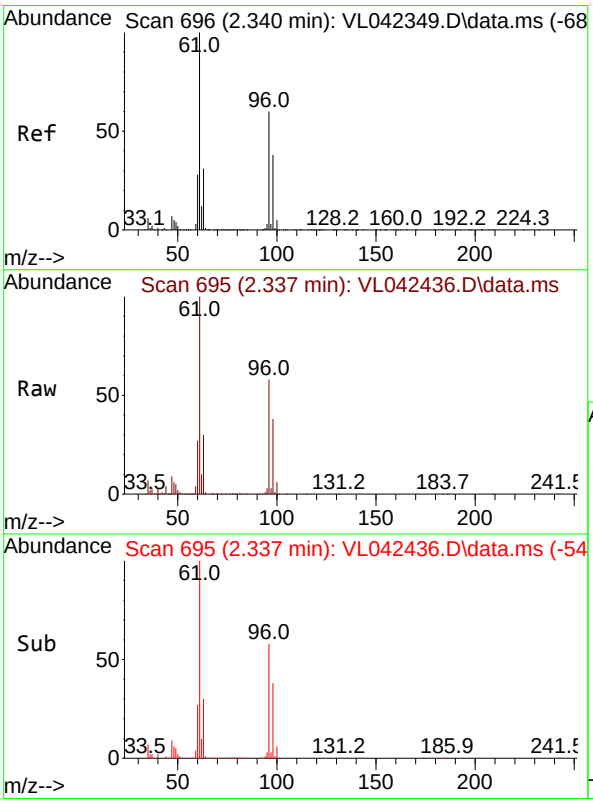
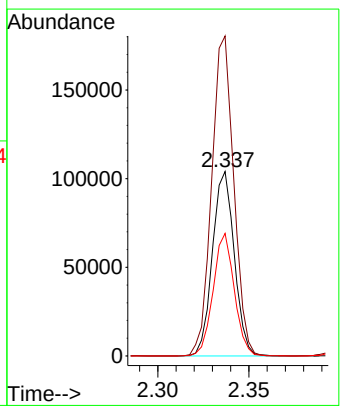
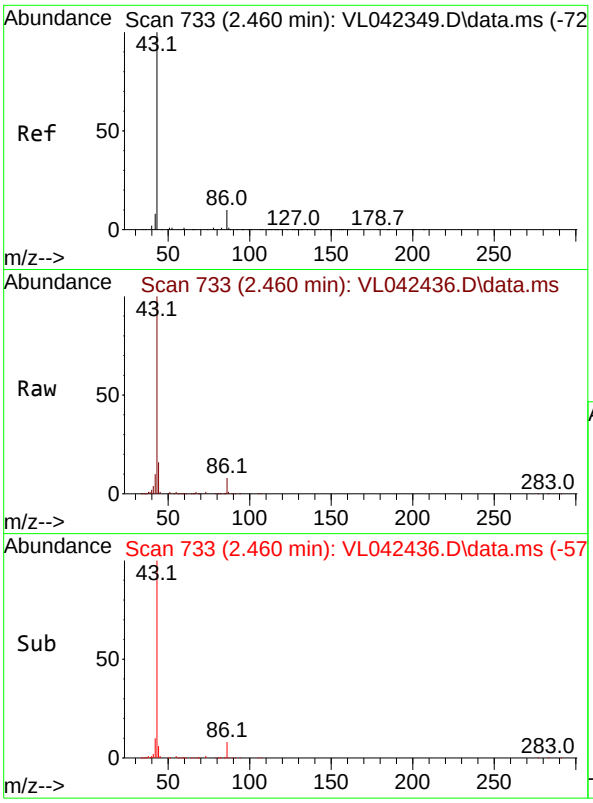


#22
trans-1,2-Dichloroethene
Concen: 10.343 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 96 Resp: 86577

Ion	Ratio	Lower	Upper
96	100		
61	173.4	133.7	200.5
98	66.4	50.3	75.5

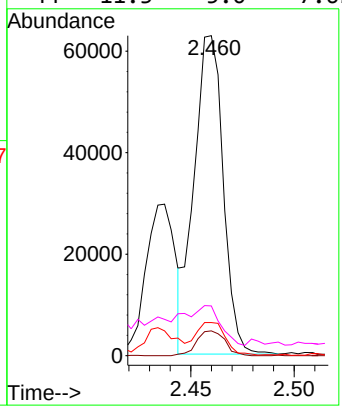




#23
Vinyl Acetate
Concen: 8.115 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 6160

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.5	9.7
42	10.2	7.8	11.8
44	11.3	5.0	7.6#



Instrument :
MSVOA_L
ClientSampleId :
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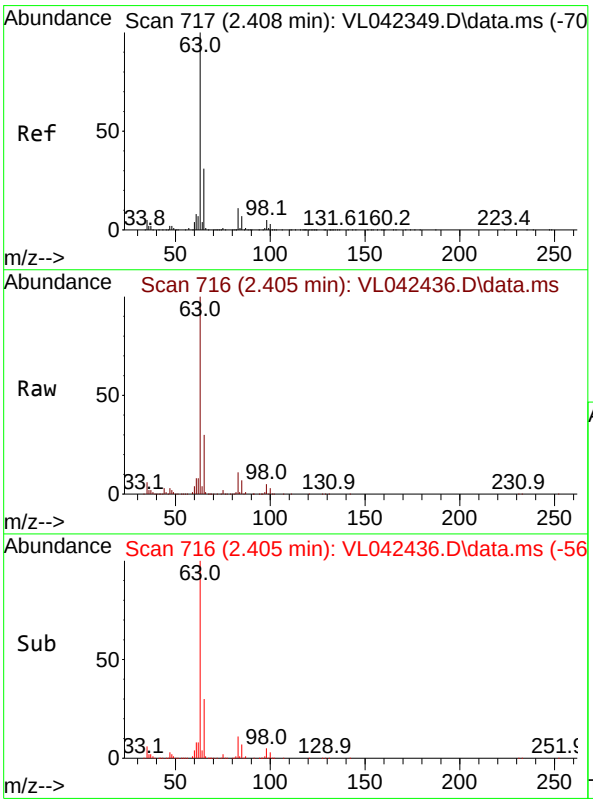
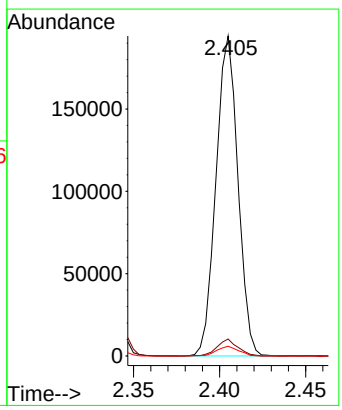
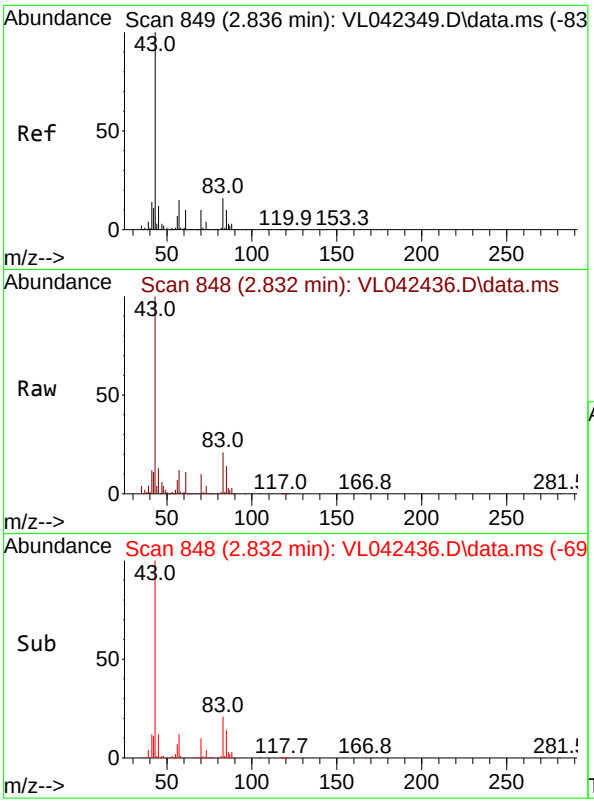


#24
1,1-Dichloroethane
Concen: 10.852 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 63 Resp: 172555

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.3	6.8
100	3.0	1.6	4.8

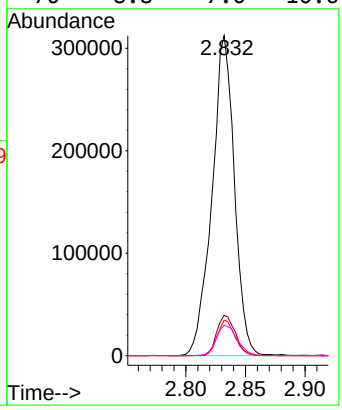




#25
Ethyl Acetate
Concen: 8.840 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 40874

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	8.9	7.3	10.9
70	8.8	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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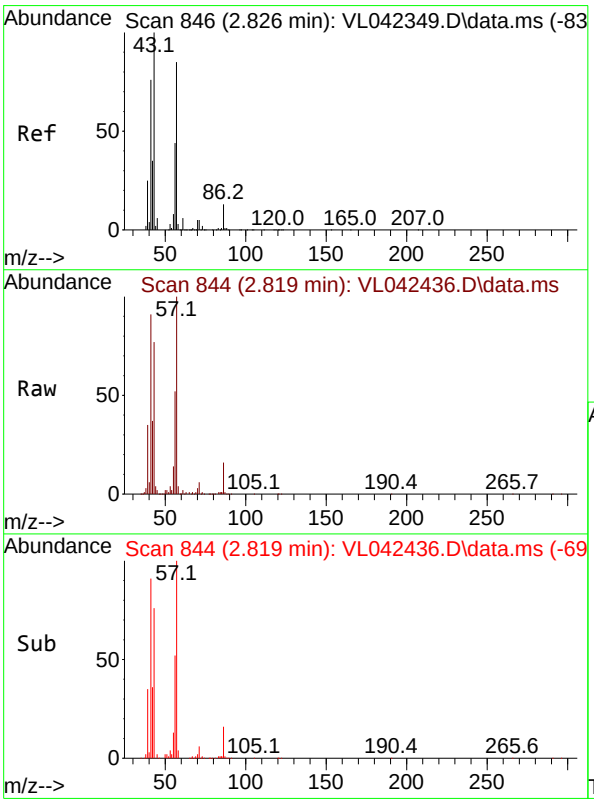
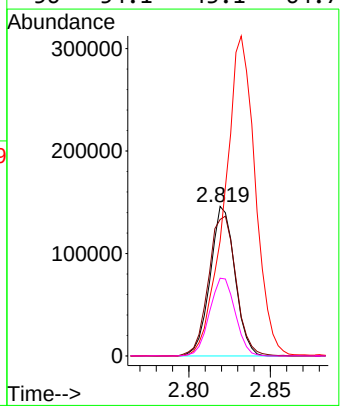
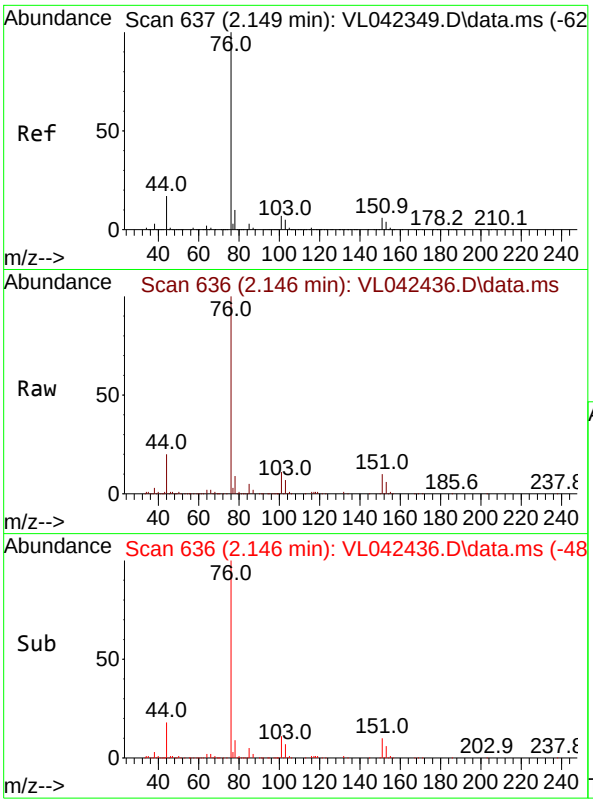


#26
Hexane
Concen: 8.220 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 57 Resp: 153801

Ion	Ratio	Lower	Upper
57	100		
41	104.3	77.9	116.9
43	266.3	208.4	312.6
56	54.1	43.1	64.7

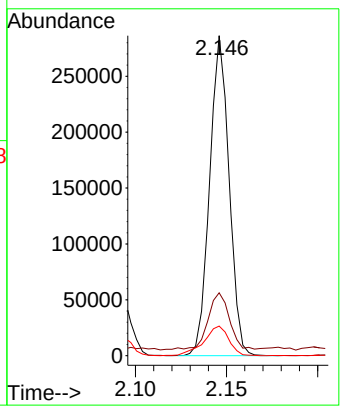




#27
Carbon Disulfide
Concen: 10.622 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 76 Resp: 21279

Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.5	23.3
78	11.9	9.3	13.9



Instrument :
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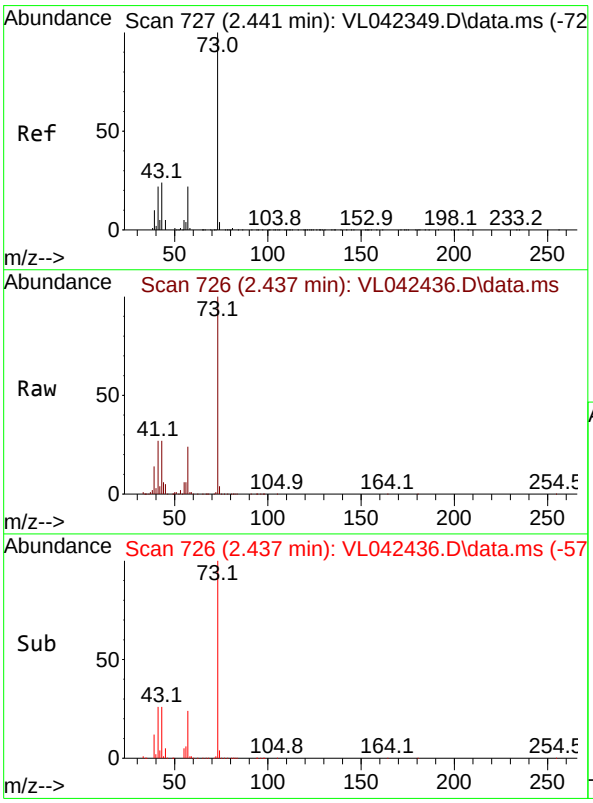
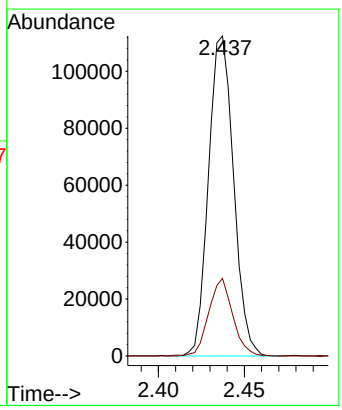
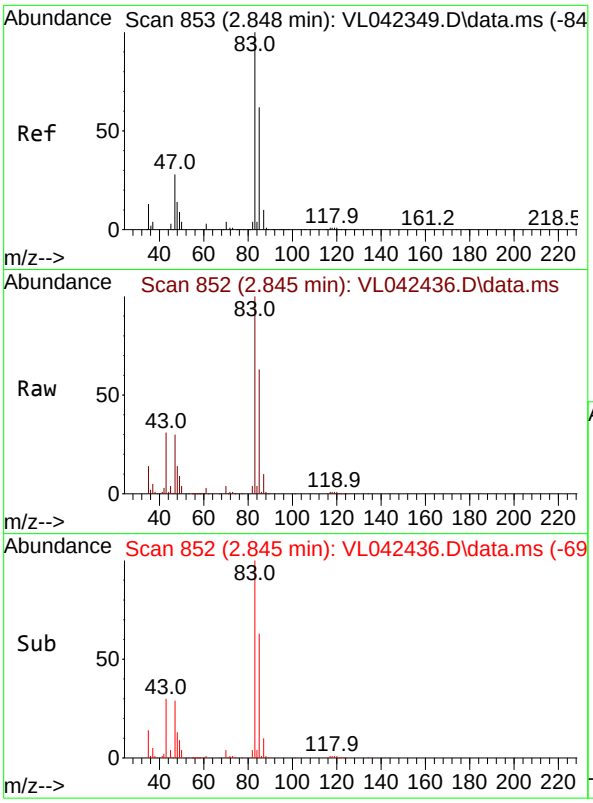


#28
Methyl tert-Butyl Ether
Concen: 9.308 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 73 Resp: 114108

Ion	Ratio	Lower	Upper
73	100		
57	23.1	21.3	31.9

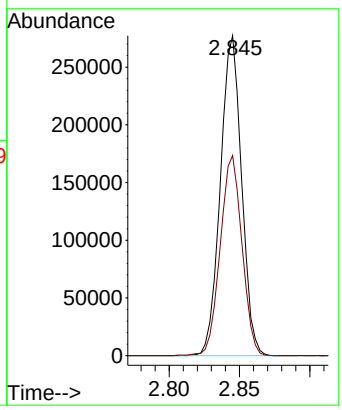




#29
Chloroform
Concen: 11.002 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 83 Resp: 29096

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.0	75.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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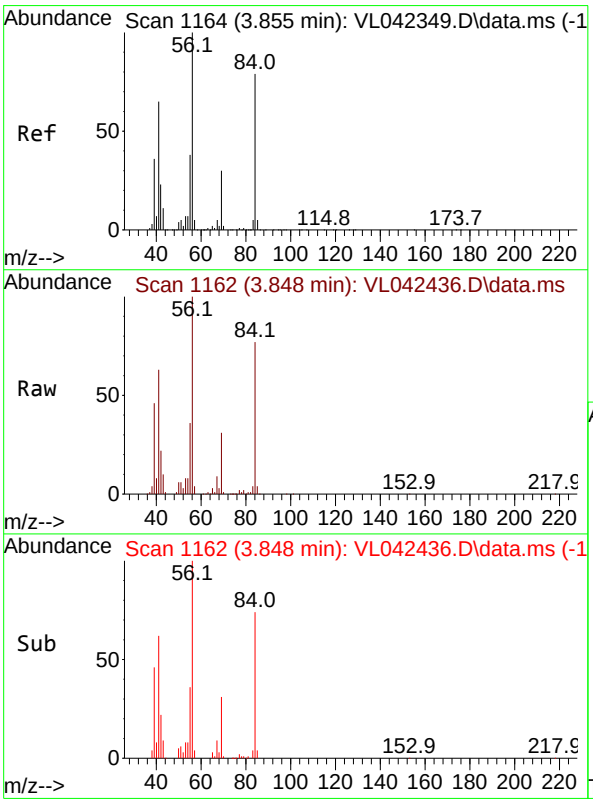
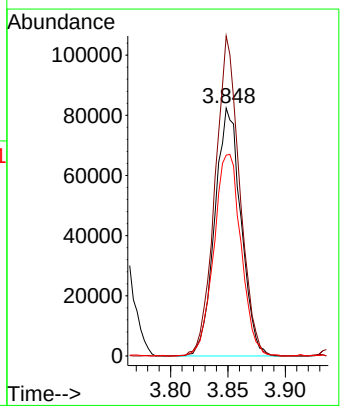
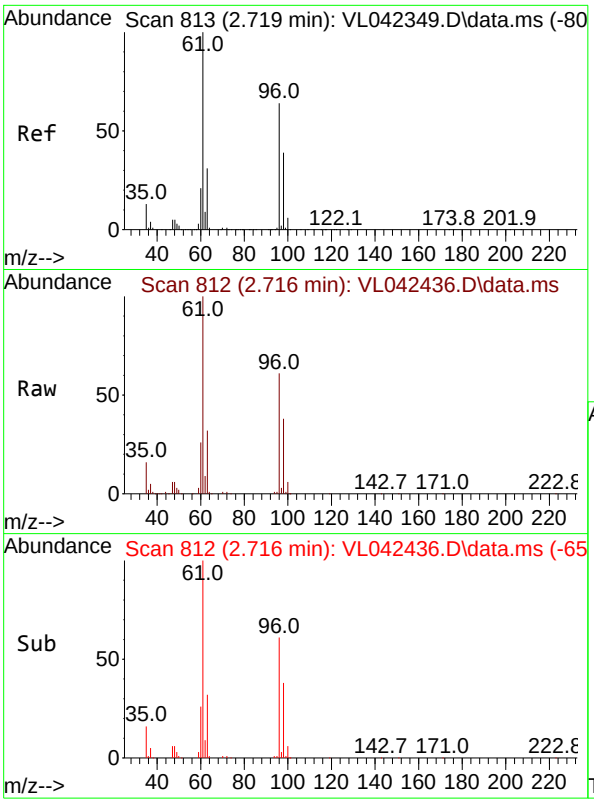


#30
Cyclohexane
Concen: 8.635 ppbv
RT: 3.848 min Scan# 1162
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 84 Resp: 130608

Ion	Ratio	Lower	Upper
84	100		
56	121.2	101.0	151.4
41	84.8	67.4	101.0

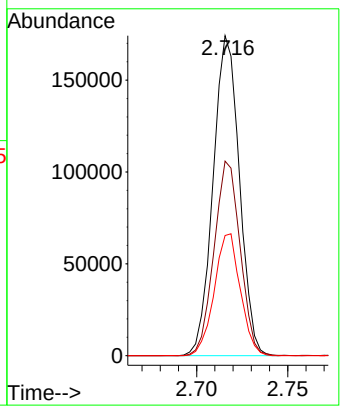




#31
cis-1,2-Dichloroethene
Concen: 9.818 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 61 Resp: 17465

Ion	Ratio	Lower	Upper
61	100		
96	60.8	50.8	76.2
98	37.6	30.9	46.3



Instrument :
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ClientSampleId :
VSTDCCC010

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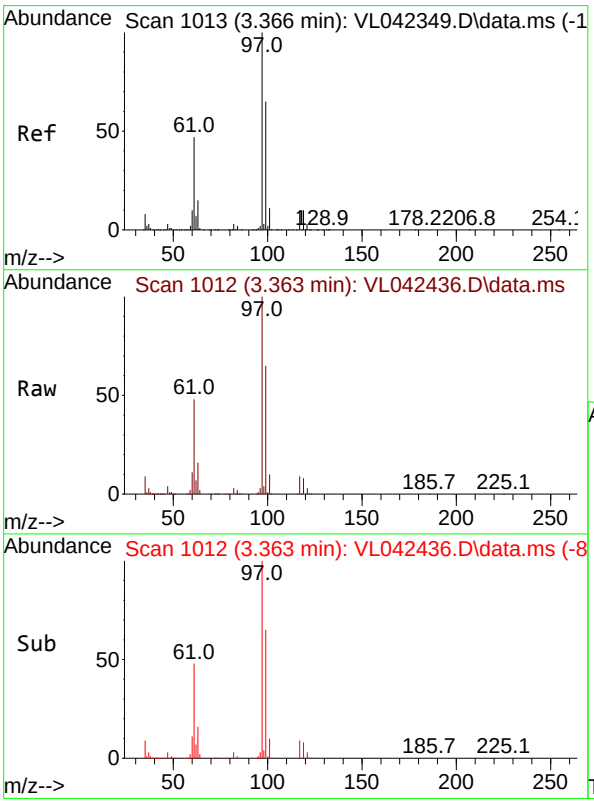
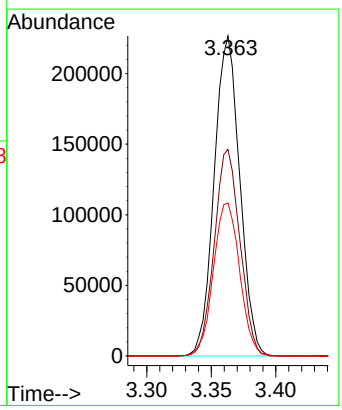
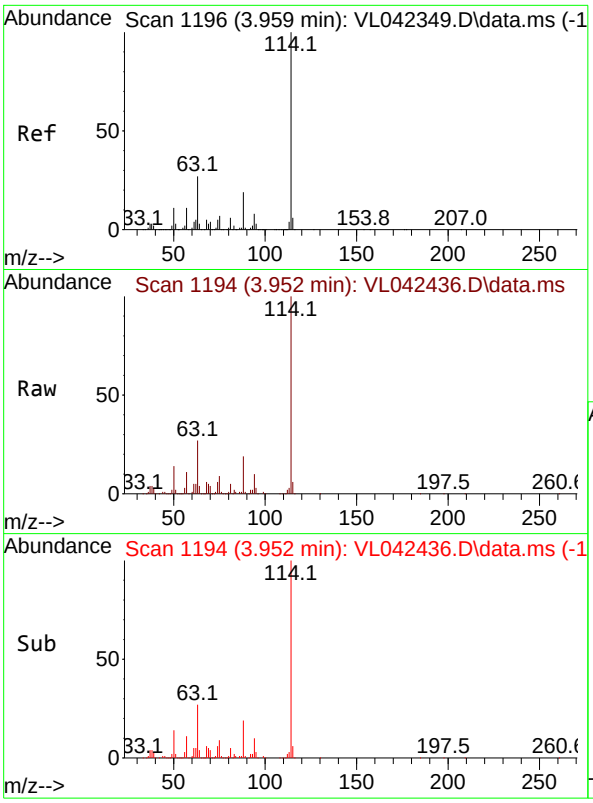


#32
1,1,1-Trichloroethane
Concen: 10.493 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 97 Resp: 312430

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	49.1	38.8	58.2

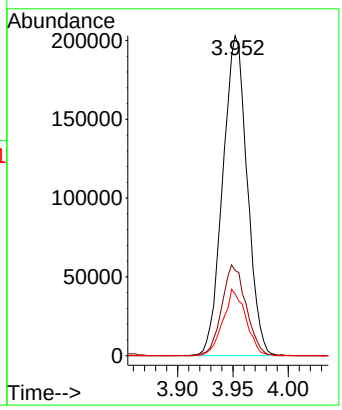




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:114 Resp: 31126

Ion	Ratio	Lower	Upper
114	100		
63	28.3	21.8	32.6
88	19.5	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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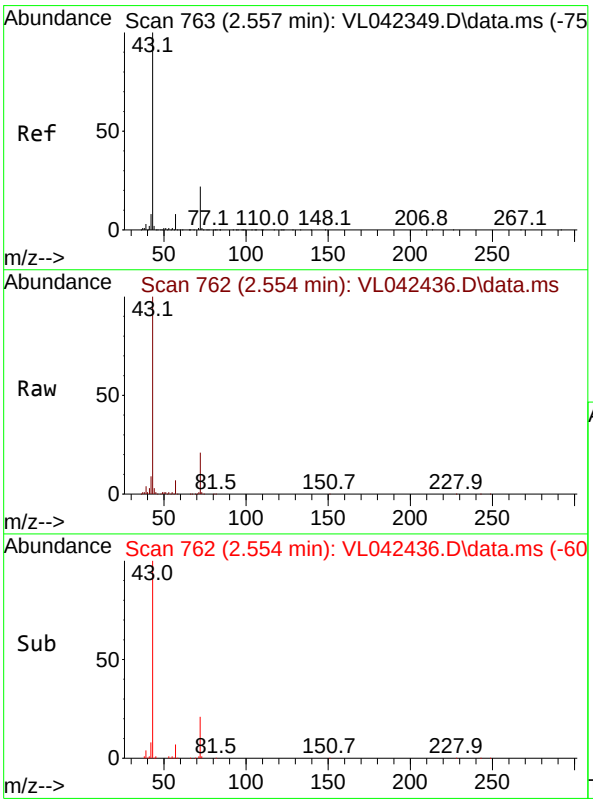
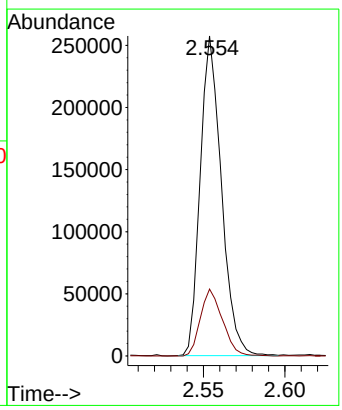
Supervised By :Mahesh Dadoda 04/30/2025

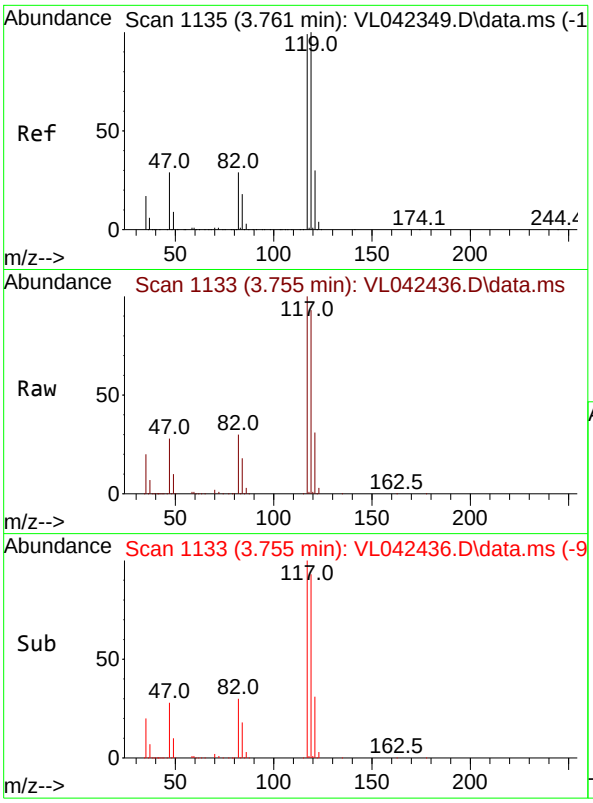


#34
2-Butanone
Concen: 9.426 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 232034

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.2	27.2

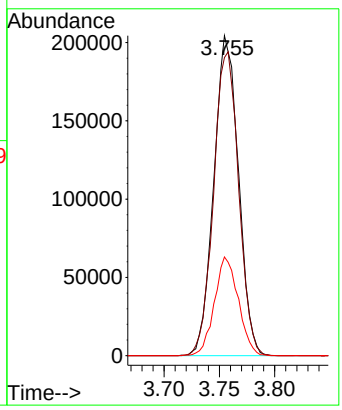




#35
Carbon Tetrachloride
Concen: 11.242 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:117 Resp: 31668

Ion	Ratio	Lower	Upper
117	100		
119	93.1	80.5	120.7
121	30.9	24.2	36.2



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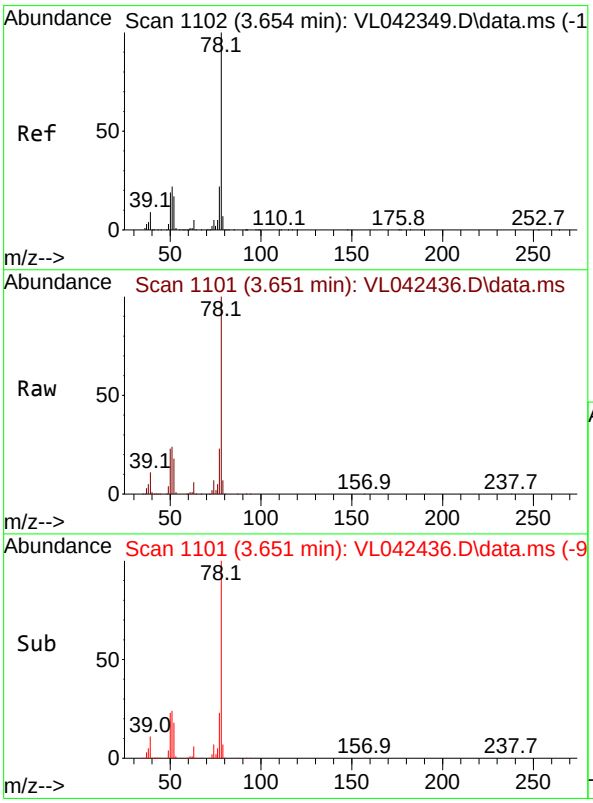
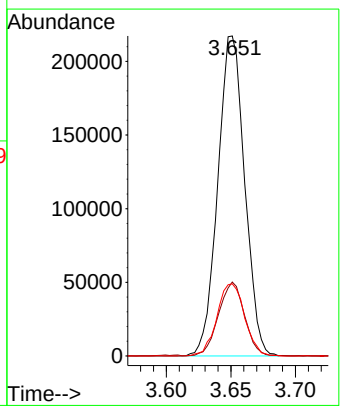
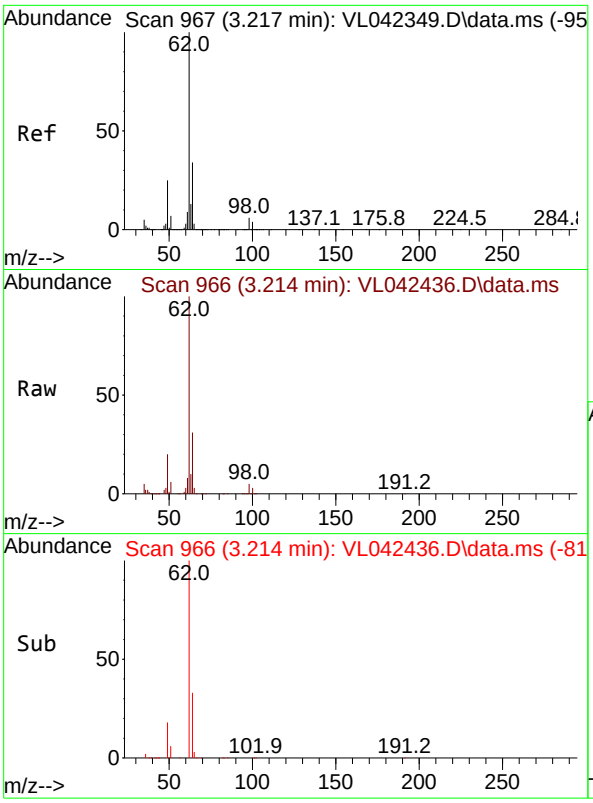


#36
Benzene
Concen: 9.367 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 78 Resp: 314493

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.4	26.0
50	22.6	15.5	23.3

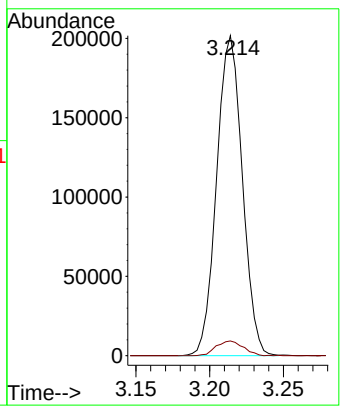




#37
1,2-Dichloroethane
Concen: 12.134 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 62 Resp: 24451

Ion	Ratio	Lower	Upper
62	100		
98	4.9	5.1	7.7#



Instrument :
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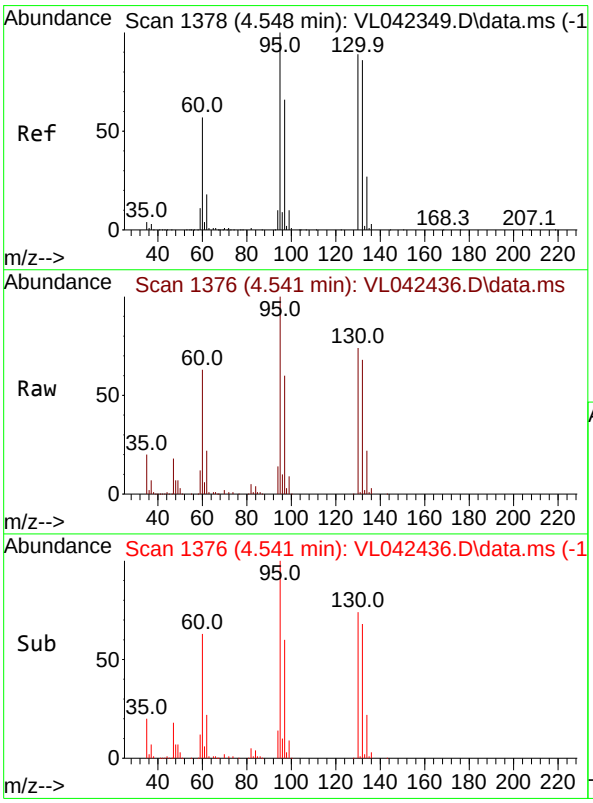
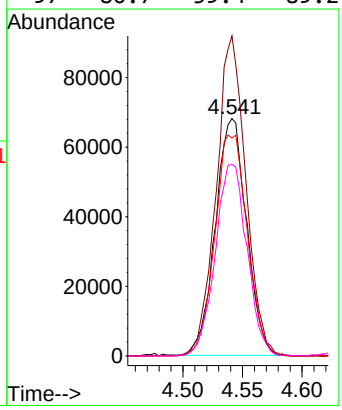
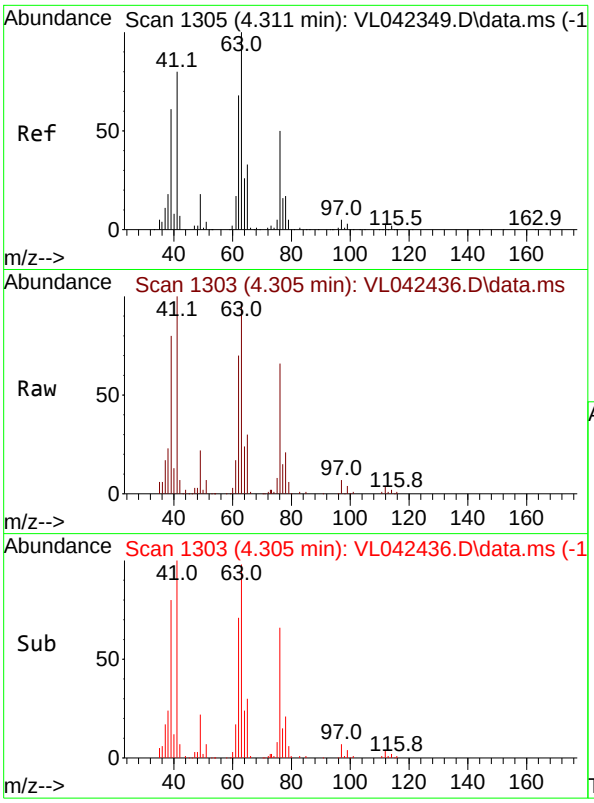


#38
Trichloroethene
Concen: 8.450 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:130 Resp: 123997

Ion	Ratio	Lower	Upper
130	100		
95	134.8	89.8	134.6#
132	92.0	77.7	116.5
97	80.7	59.4	89.2

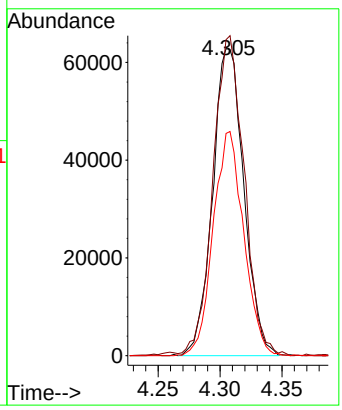




#39
1,2-Dichloropropane
Concen: 8.817 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 63 Resp: 11031

Ion	Ratio	Lower	Upper
63	100		
41	102.2	64.2	96.2#
62	72.1	54.3	81.5



Instrument :
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ClientSampleId :
VSTDCCC010

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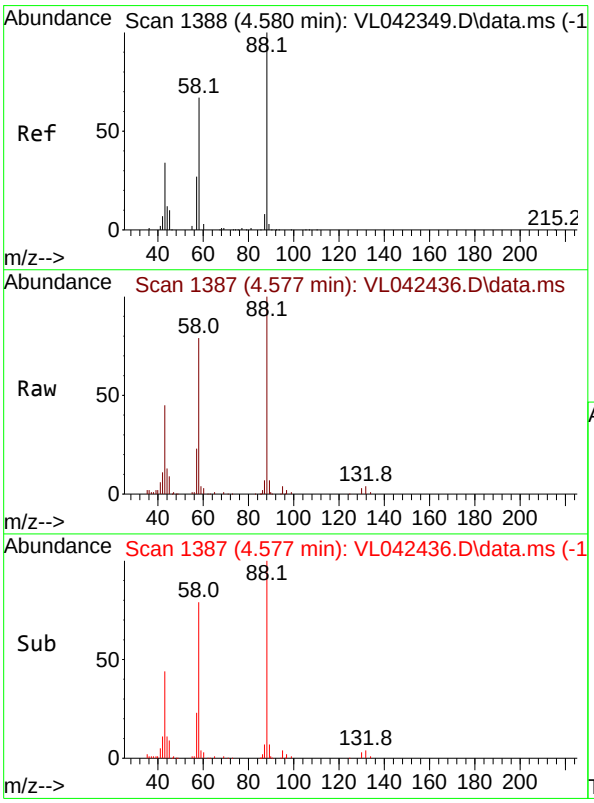
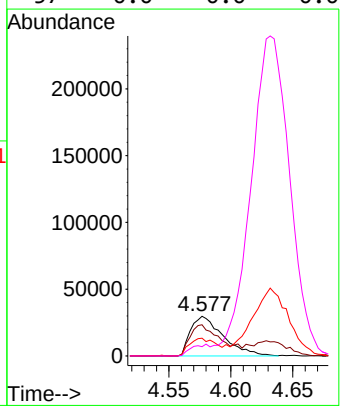
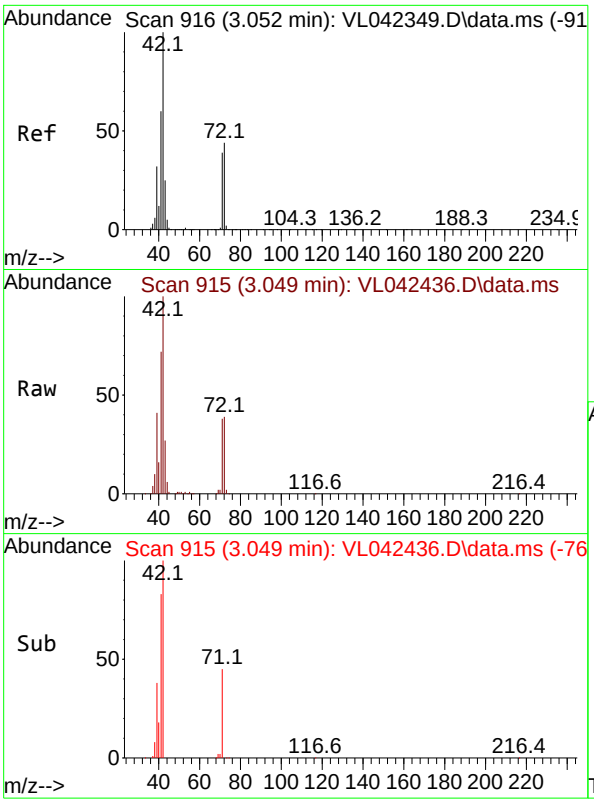


#40
1,4-Dioxane
Concen: 7.907 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 88 Resp: 54364

Ion	Ratio	Lower	Upper
88	100		
58	81.3	61.4	92.0
43	40.1	23.2	34.8#
57	0.0	0.0	0.0

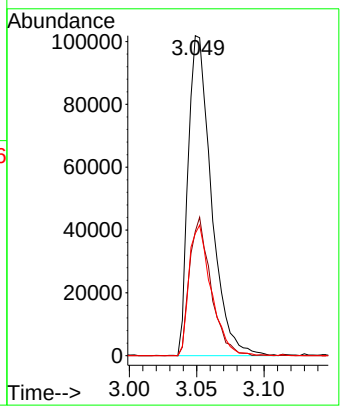




#41
Tetrahydrofuran
Concen: 8.479 ppbv
RT: 3.049 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 42 Resp: 12170

Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.3	48.5
71	39.5	31.4	47.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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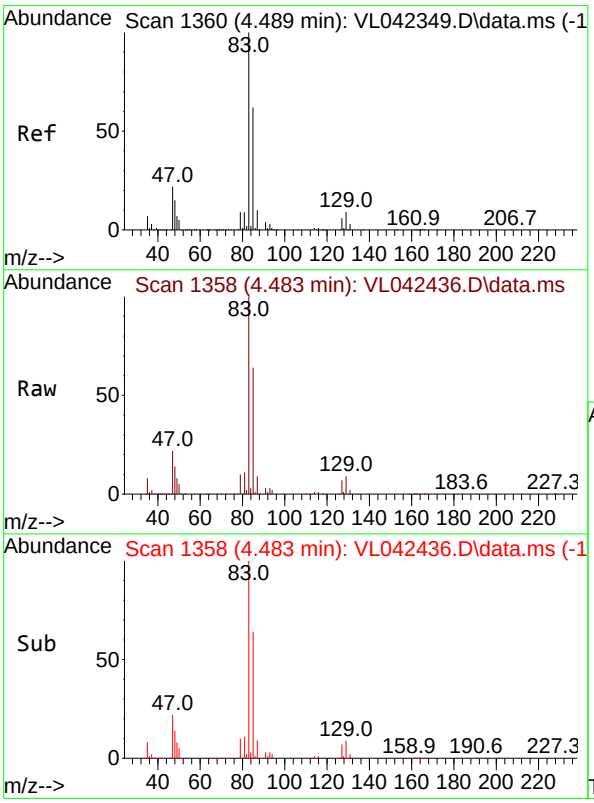
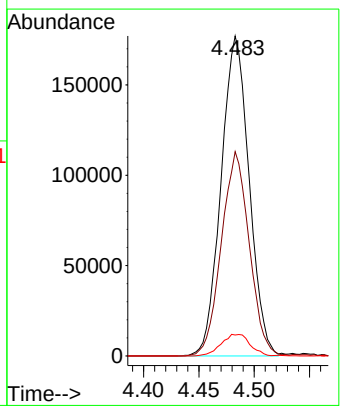
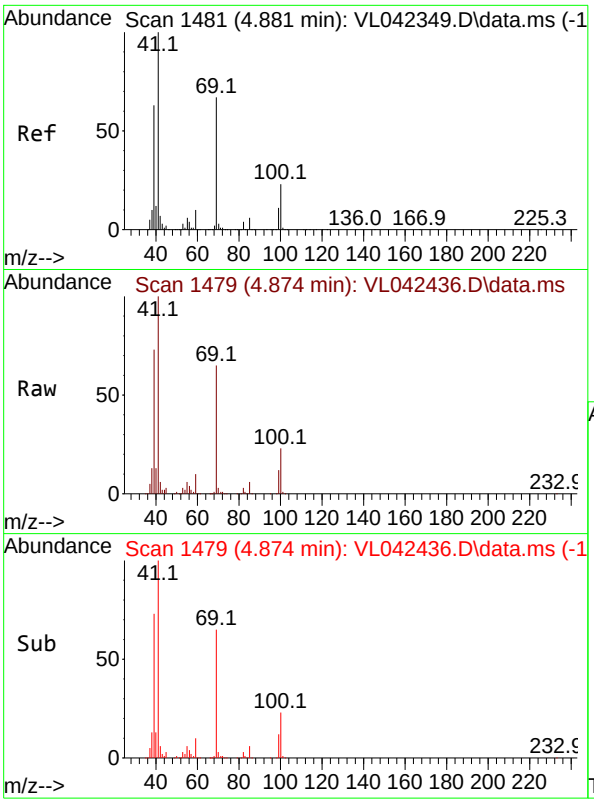


#42
Bromodichloromethane
Concen: 11.127 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 83 Resp: 312029

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	6.6	5.1	7.7

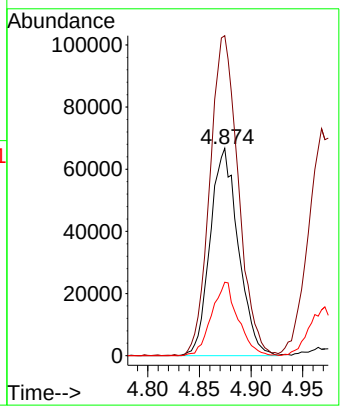




#43
Methyl Methacrylate
Concen: 8.367 ppbv
RT: 4.874 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 69 Resp: 12659

Ion	Ratio	Lower	Upper
69	100		
41	156.3	118.6	177.8
100	33.3	28.2	42.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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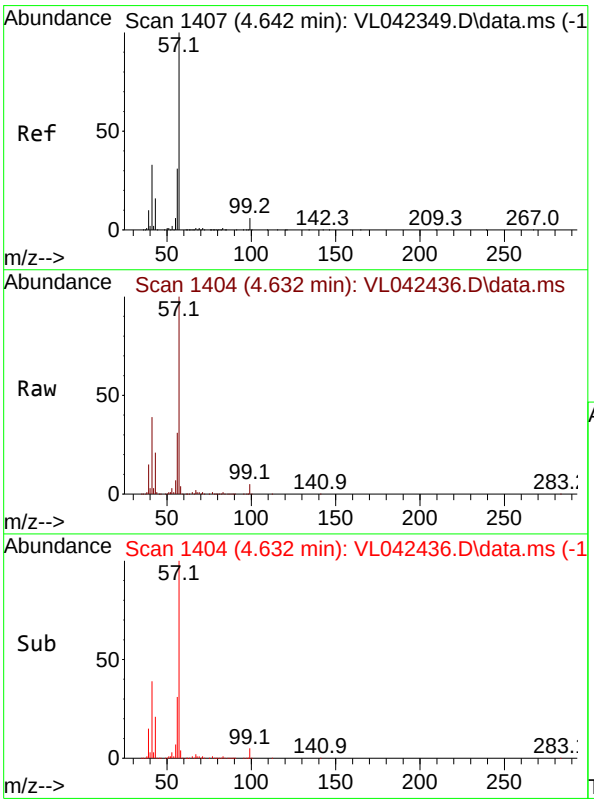
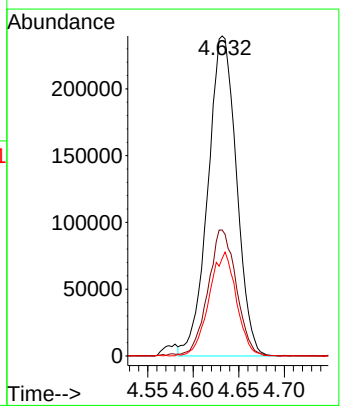
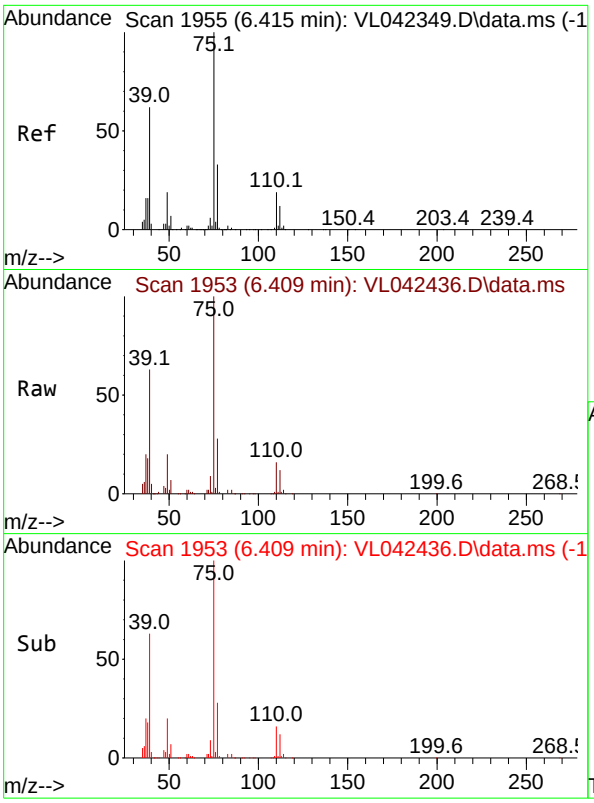


#44
2,2,4-Trimethylpentane
Concen: 9.010 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 57 Resp: 522427

Ion	Ratio	Lower	Upper
57	100		
41	39.2	27.2	40.8
56	31.1	25.7	38.5

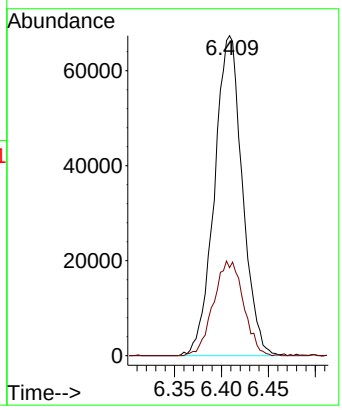




#45
t-1,3-Dichloropropene
Concen: 9.026 ppbv
RT: 6.409 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 75 Resp: 13950

Ion	Ratio	Lower	Upper
75	100		
77	27.5	27.0	40.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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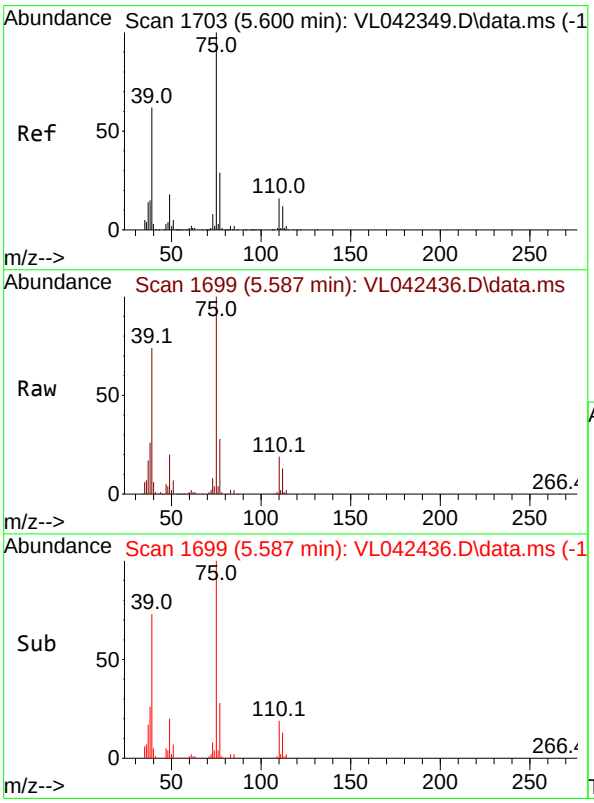
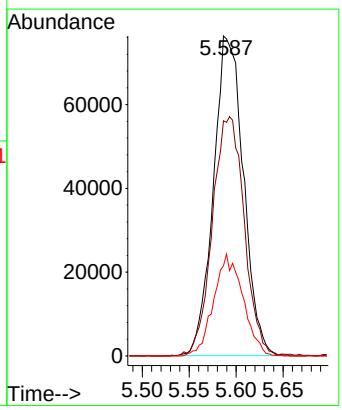
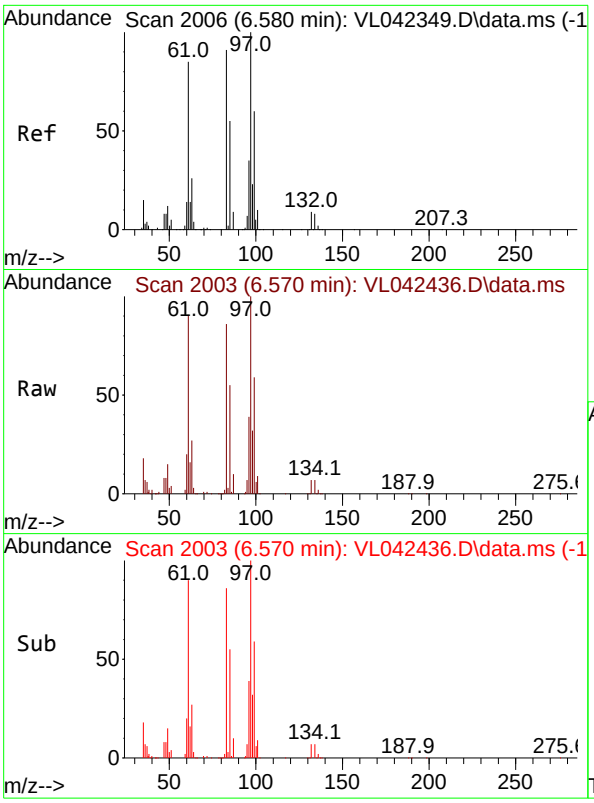


#46
cis-1,3-Dichloropropene
Concen: 8.953 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.013 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 75 Resp: 169355

Ion	Ratio	Lower	Upper
75	100		
39	73.4	50.0	75.0
77	28.2	23.0	34.6

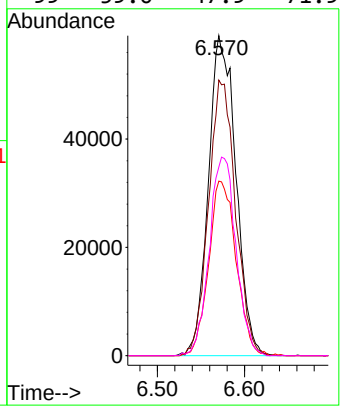




#47
1,1,2-Trichloroethane
Concen: 10.138 ppbv m
RT: 6.570 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 97 Resp: 12922

Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.8	109.2
85	54.6	44.2	66.4
99	59.0	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
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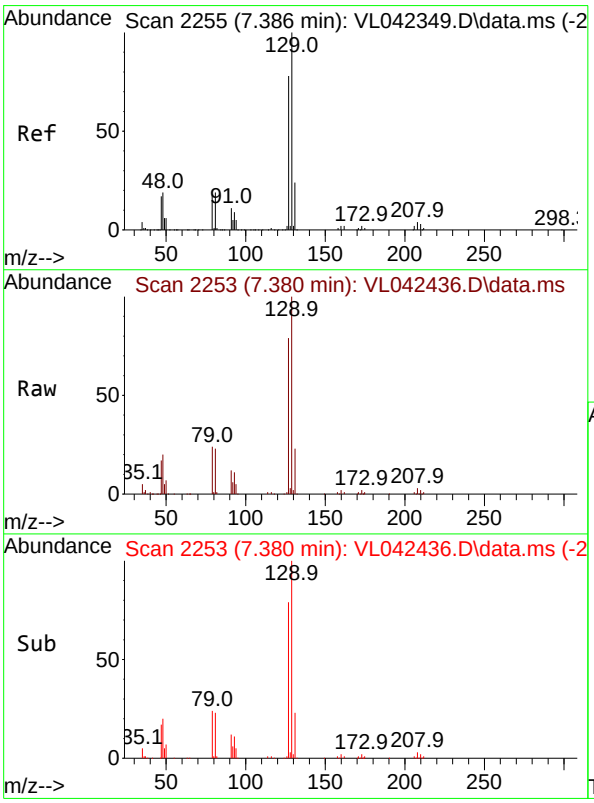
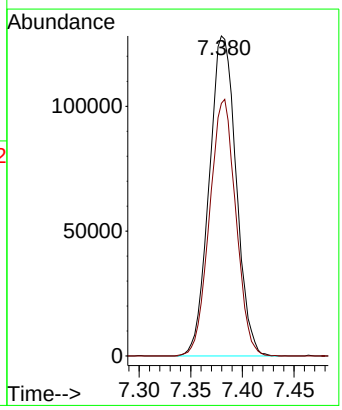
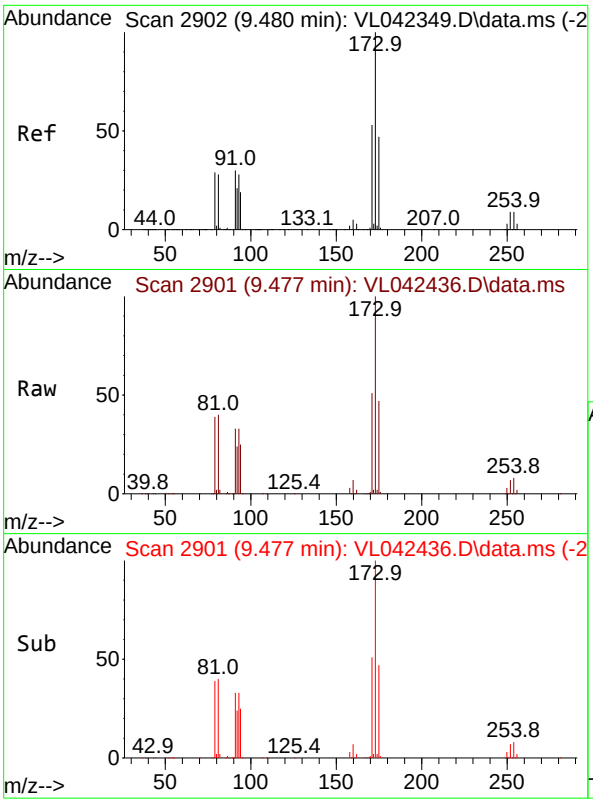


#48
Dibromochloromethane
Concen: 10.339 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:129 Resp: 232818

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3

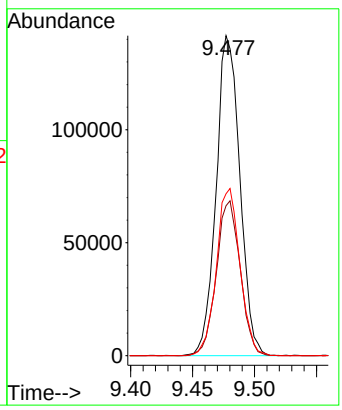




#49
Bromoform
Concen: 9.593 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:173 Resp: 18889

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.2	57.2
171	52.0	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
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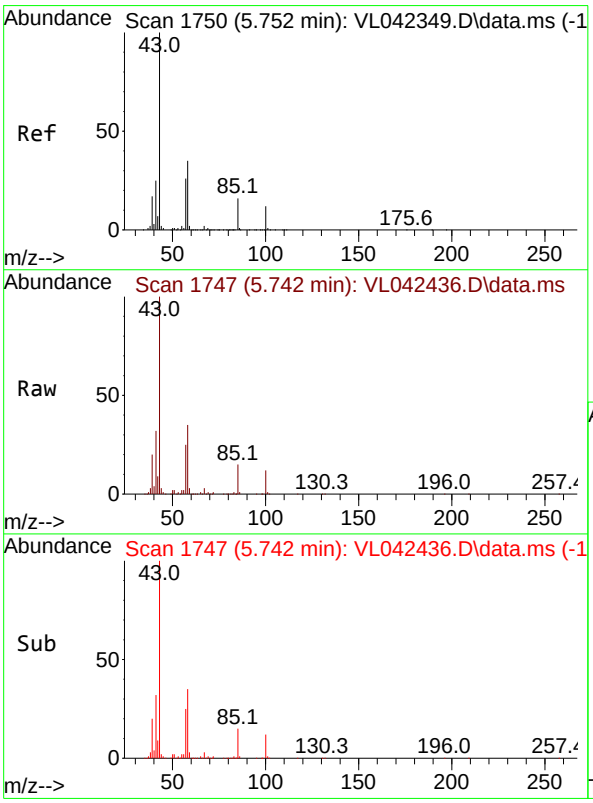
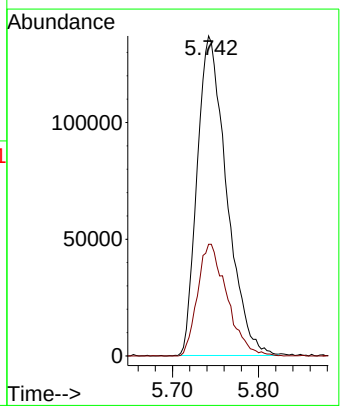
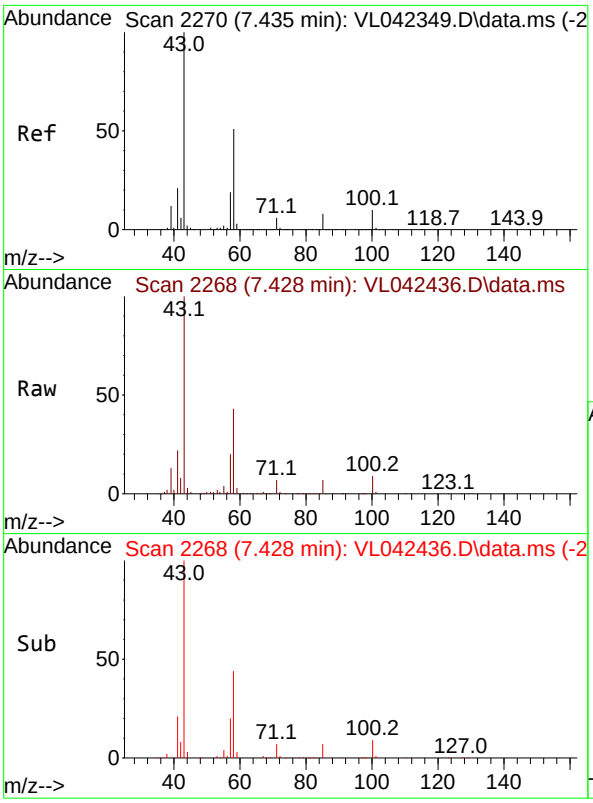


#50
4-Methyl-2-Pentanone
Concen: 7.965 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 325855

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	43.0

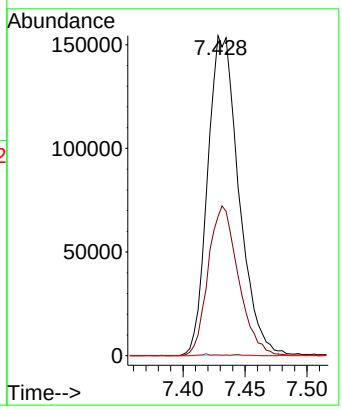




#51
2-Hexanone
Concen: 7.357 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 26991

Ion	Ratio	Lower	Upper
43	100		
58	45.8	40.2	60.4
98	0.4	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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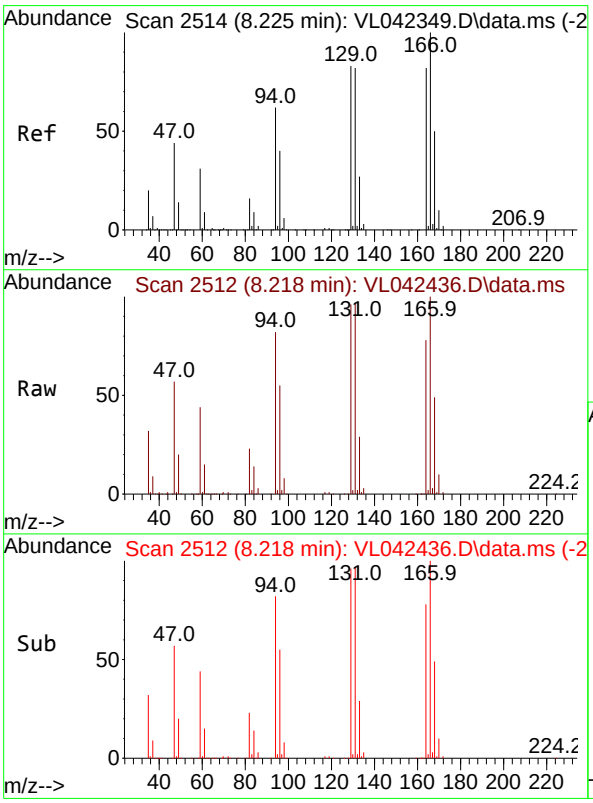
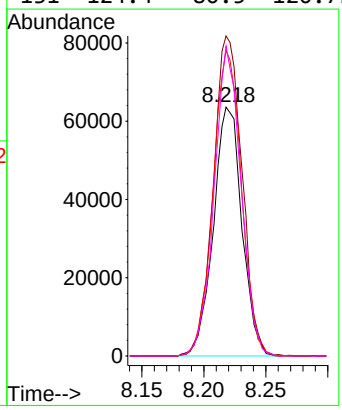
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

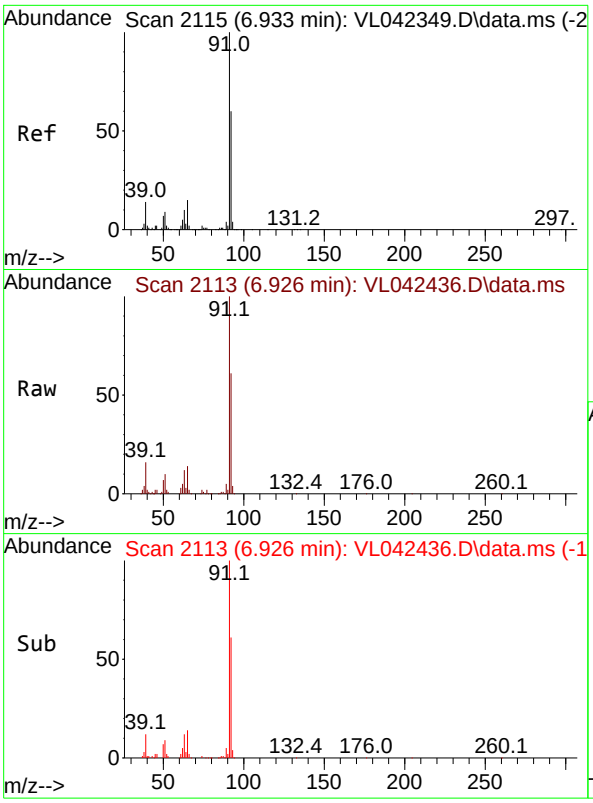


#52
Tetrachloroethene
Concen: 7.833 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:164 Resp: 101642

Ion	Ratio	Lower	Upper
164	100		
166	128.6	98.2	147.2
129	122.8	81.8	122.8#
131	124.4	80.5	120.7#

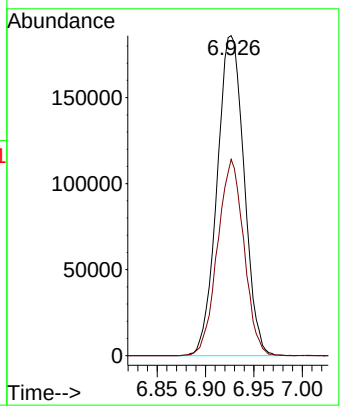




#53
Toluene
Concen: 8.968 ppbv
RT: 6.926 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 36131

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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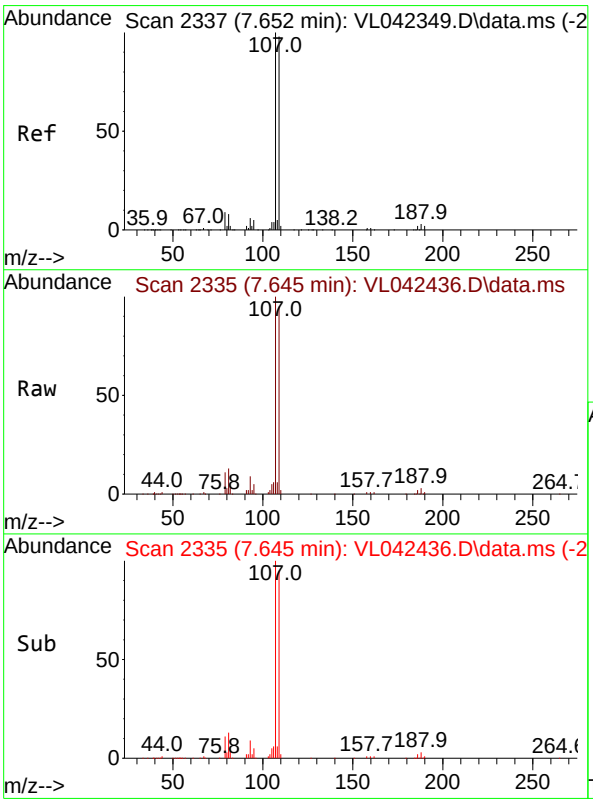
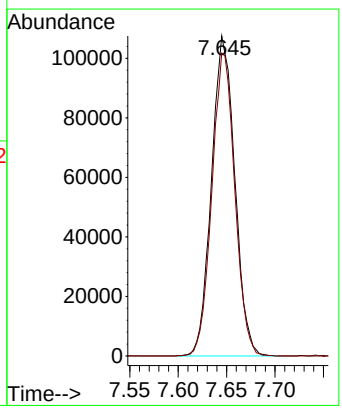
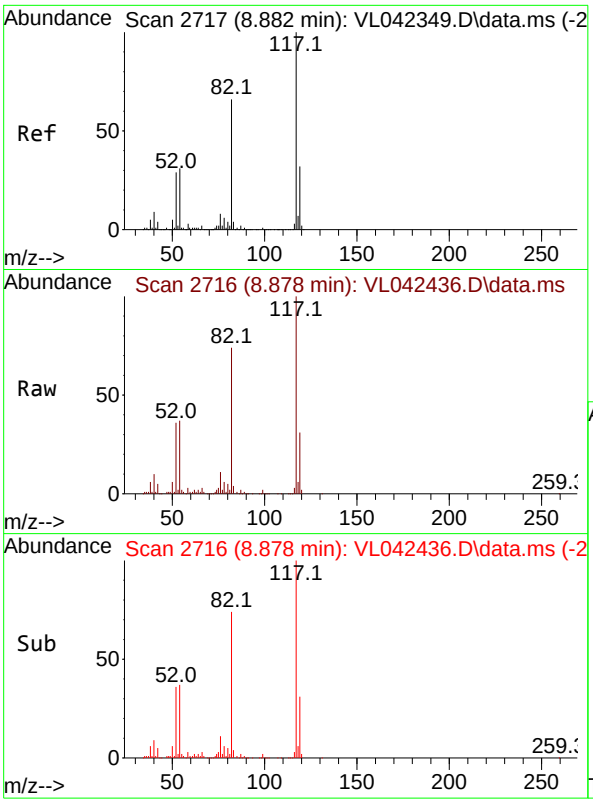


#54
1,2-Dibromoethane
Concen: 9.861 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:107 Resp: 179895

Ion	Ratio	Lower	Upper
107	100		
109	94.7	78.2	117.4

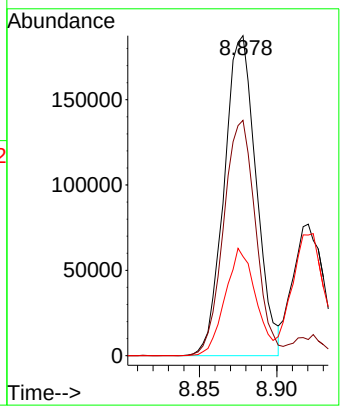




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:117 Resp: 26998

Ion	Ratio	Lower	Upper
117	100		
82	79.6	57.8	86.6
119	32.9	25.2	37.8



Instrument :
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ClientSampleId :
VSTDCCC010

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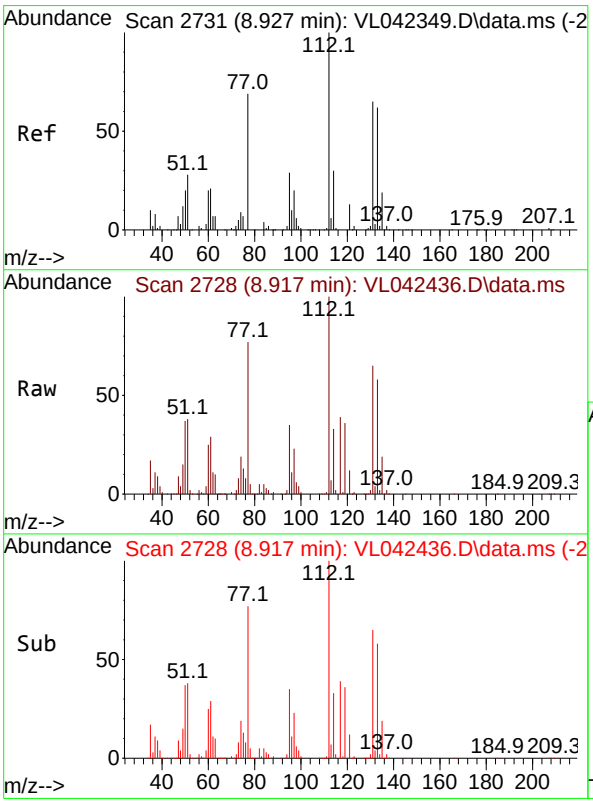
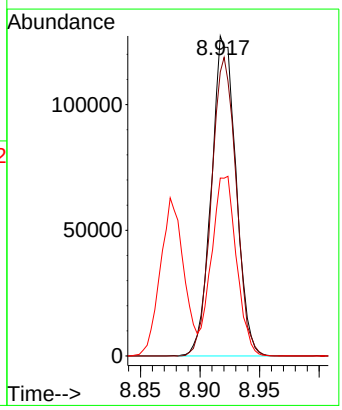
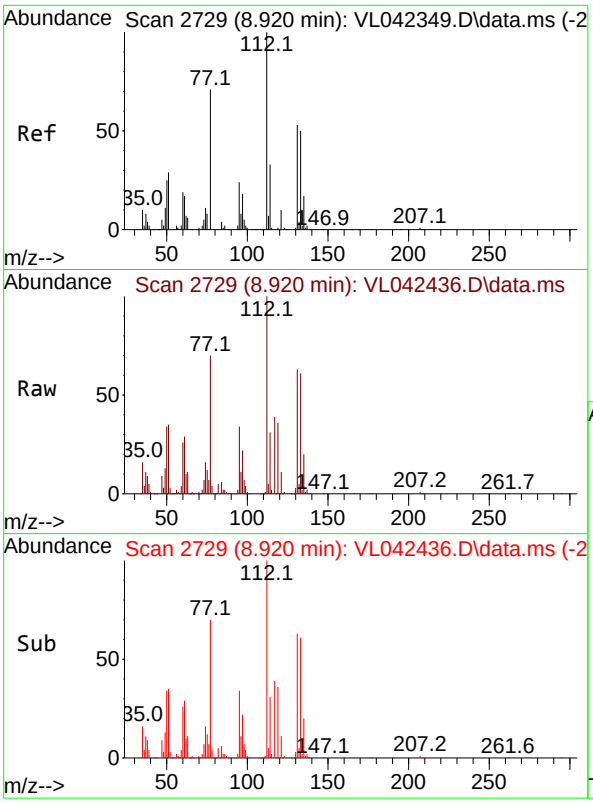


#56
1,1,1,2-Tetrachloroethane
Concen: 11.184 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:131 Resp: 182759

Ion	Ratio	Lower	Upper
131	100		
133	93.9	78.3	117.5
119	55.8	48.7	73.1

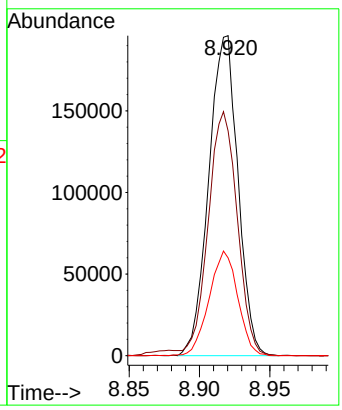




#57
Chlorobenzene
Concen: 10.086 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:112 Resp: 28321

Ion	Ratio	Lower	Upper
112	100		
77	70.2	57.8	86.6
114	30.6	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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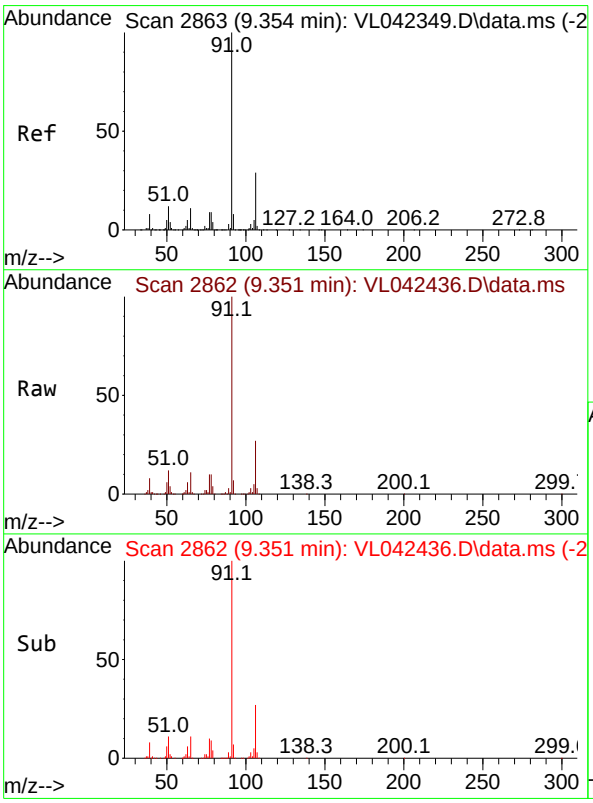
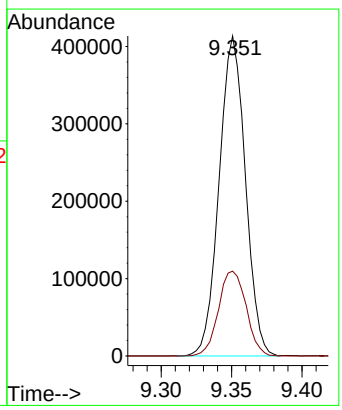
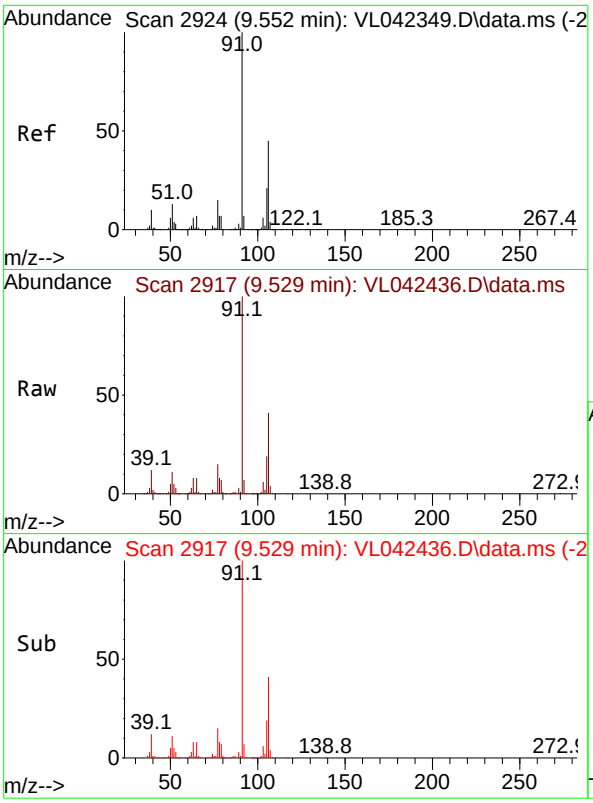


#58
Ethyl Benzene
Concen: 10.032 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 536634

Ion	Ratio	Lower	Upper
91	100		
106	26.5	23.0	34.4

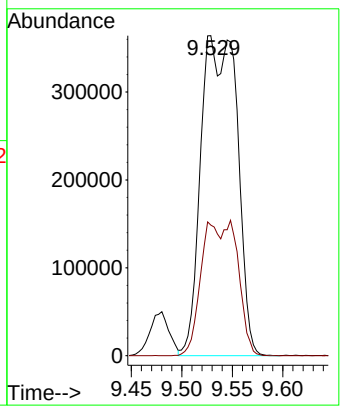




#59
m/p-Xylene
Concen: 21.110 ppbv m
RT: 9.529 min Scan# 2
Delta R.T. -0.023 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 90970

Ion	Ratio	Lower	Upper
91	100		
106	41.9	35.4	53.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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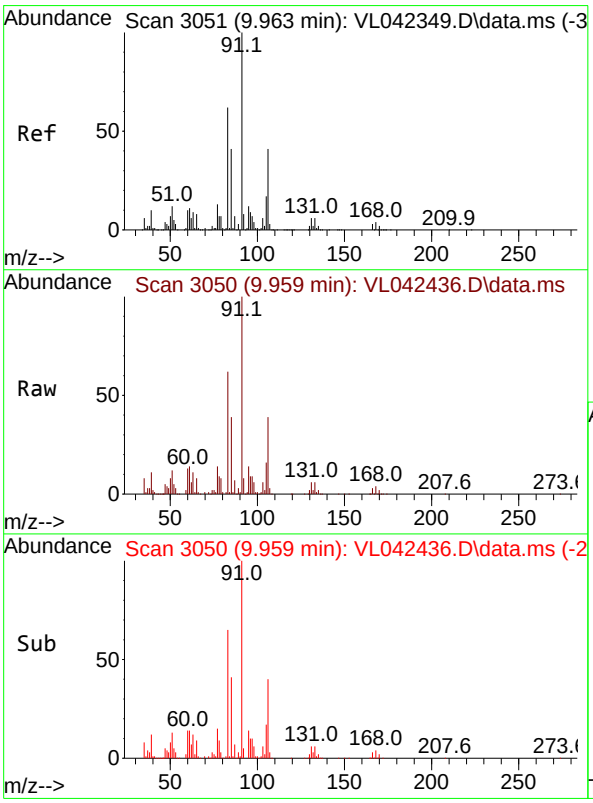
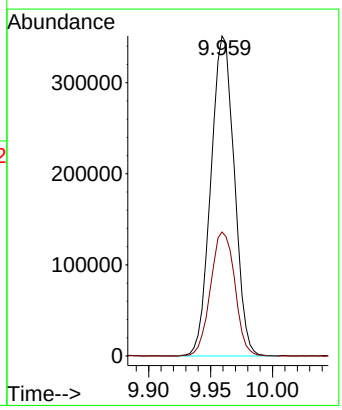
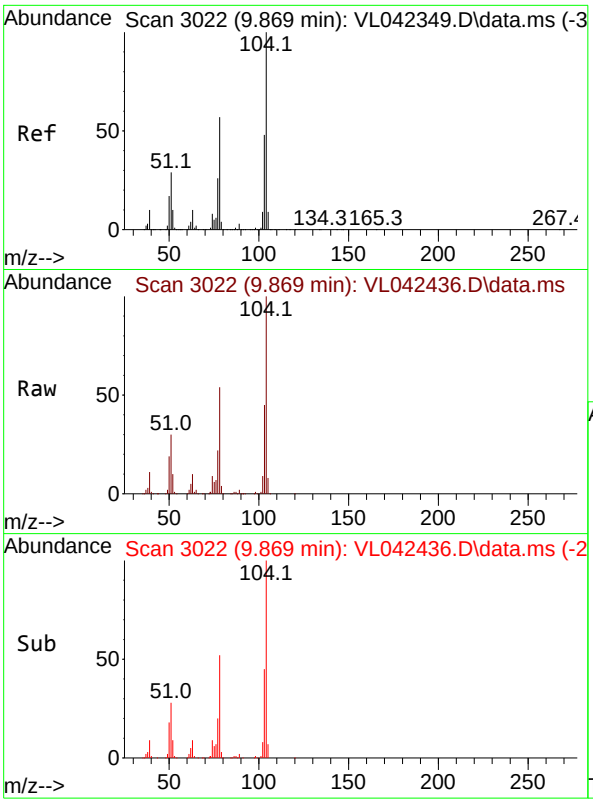


#60
o-Xylene
Concen: 10.686 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 463713

Ion	Ratio	Lower	Upper
91	100		
106	40.0	21.1	63.4

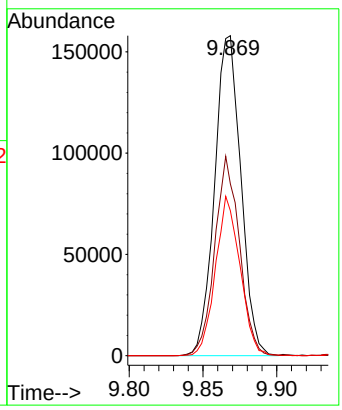




#61
Styrene
Concen: 9.454 ppbv
RT: 9.869 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:104 Resp: 19581

Ion	Ratio	Lower	Upper
104	100		
78	58.5	44.6	66.8
103	46.7	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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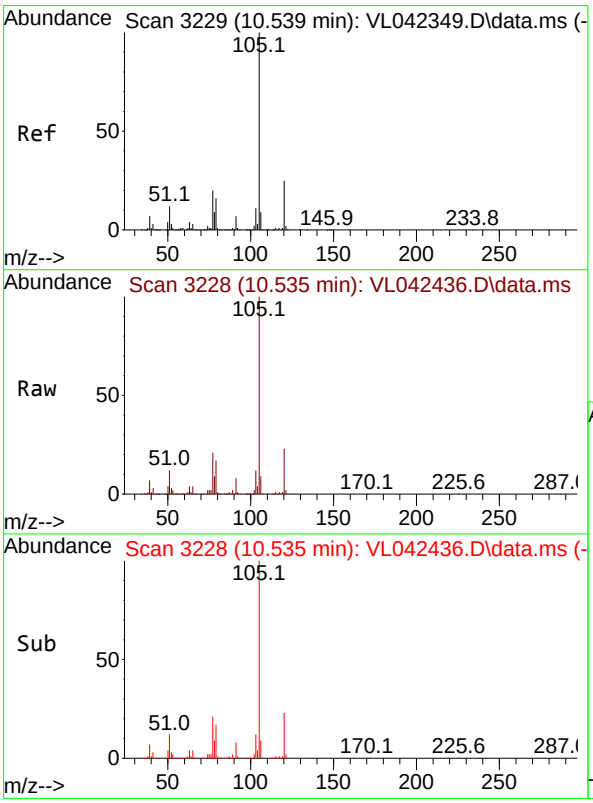
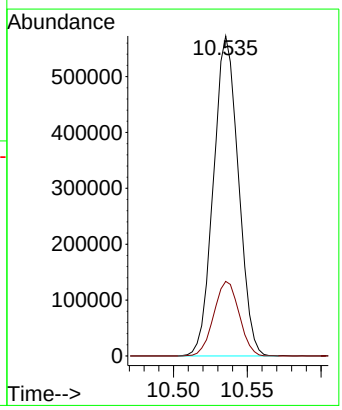
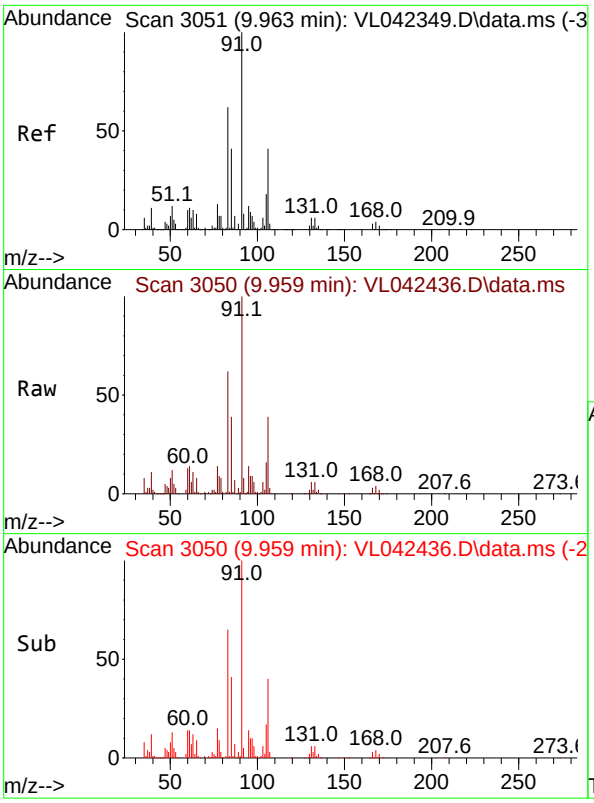


#62
Isopropylbenzene
Concen: 10.558 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 672630

Ion	Ratio	Lower	Upper
105	100		
120	23.7	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 9.699 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 83 Resp: 27274

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	65.0	32.4	97.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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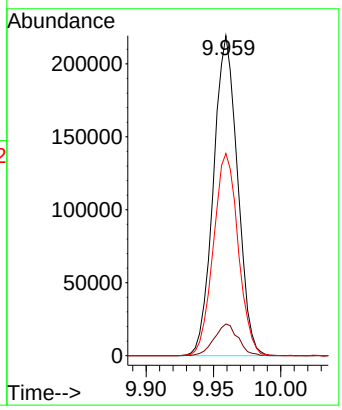
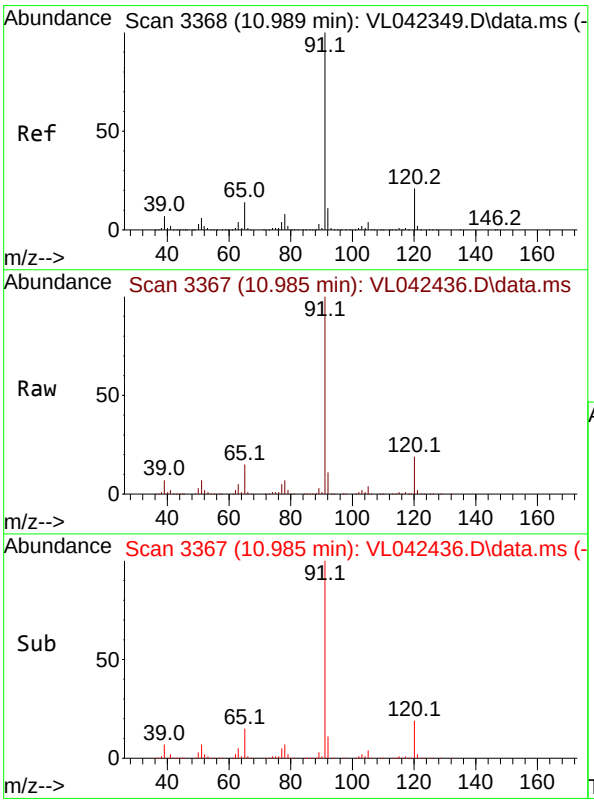
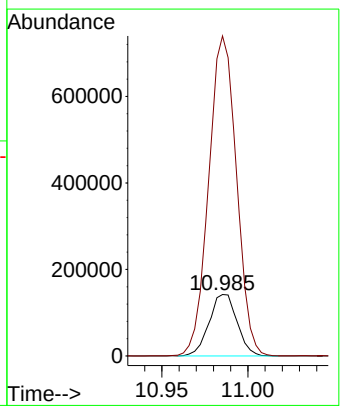


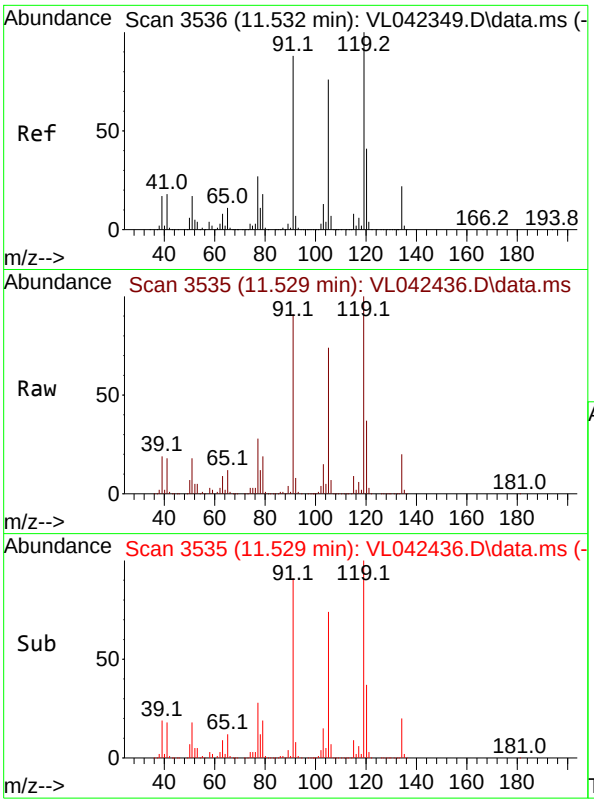


#64
n-propylbenzene
Concen: 10.037 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:120 Resp: 160736

Ion	Ratio	Lower	Upper
120	100		
91	518.7	392.4	588.6





#65
tert-Butylbenzene
Concen: 10.535 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:119 Resp: 61687

Ion	Ratio	Lower	Upper
119	100		
91	92.2	74.6	111.8
134	19.6	18.8	28.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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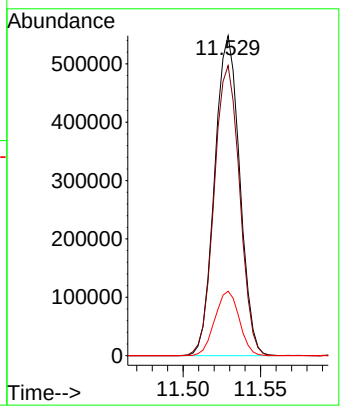
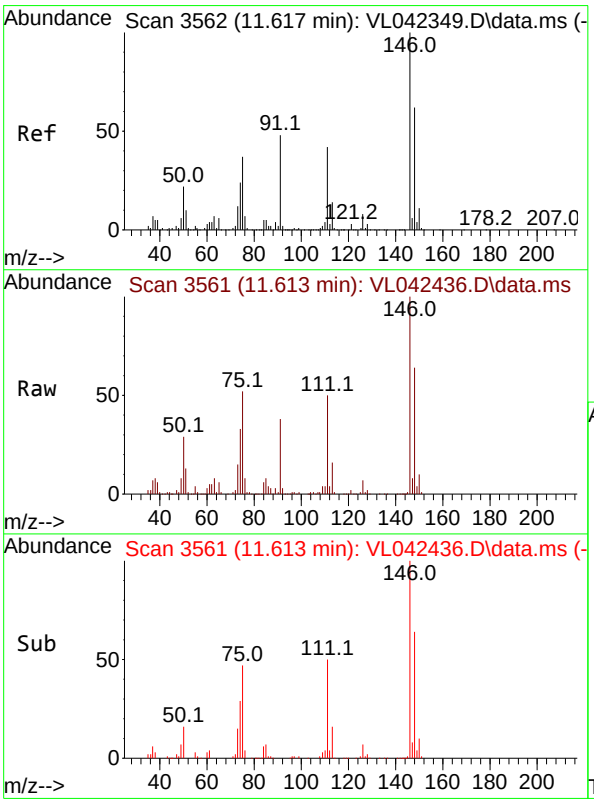
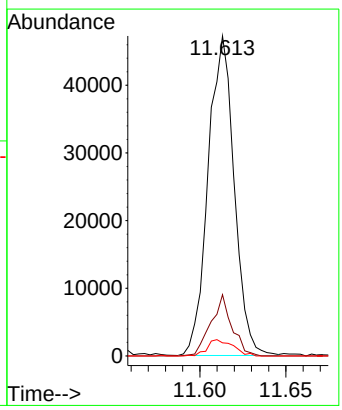


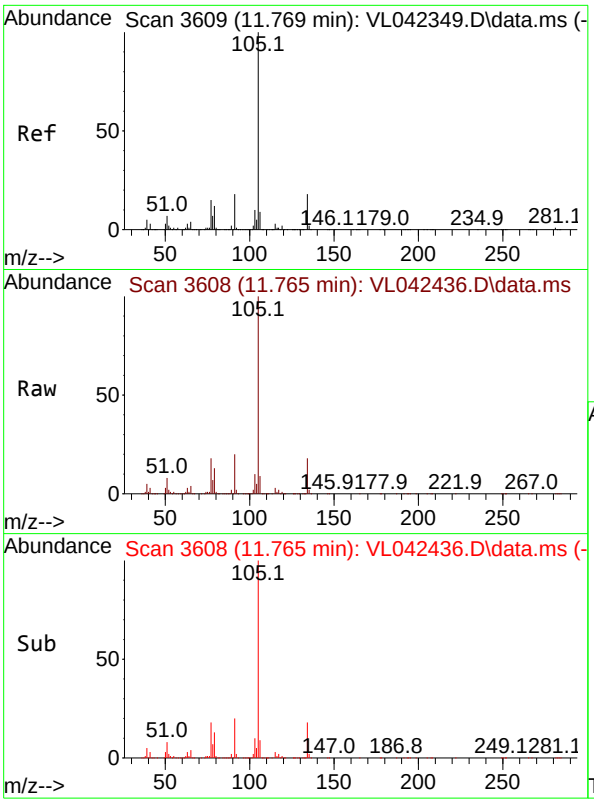


#66
Benzyl Chloride
Concen: 7.746 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 49841

Ion	Ratio	Lower	Upper
91	100		
126	15.4	11.8	17.6
128	5.1	4.5	6.7

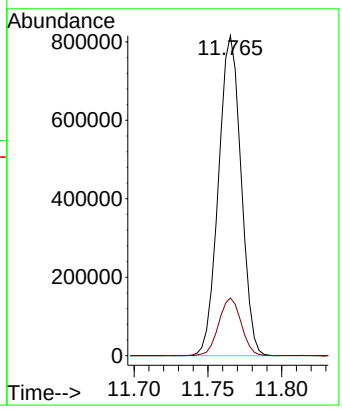




#67
sec-Butylbenzene
Concen: 10.677 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 86959

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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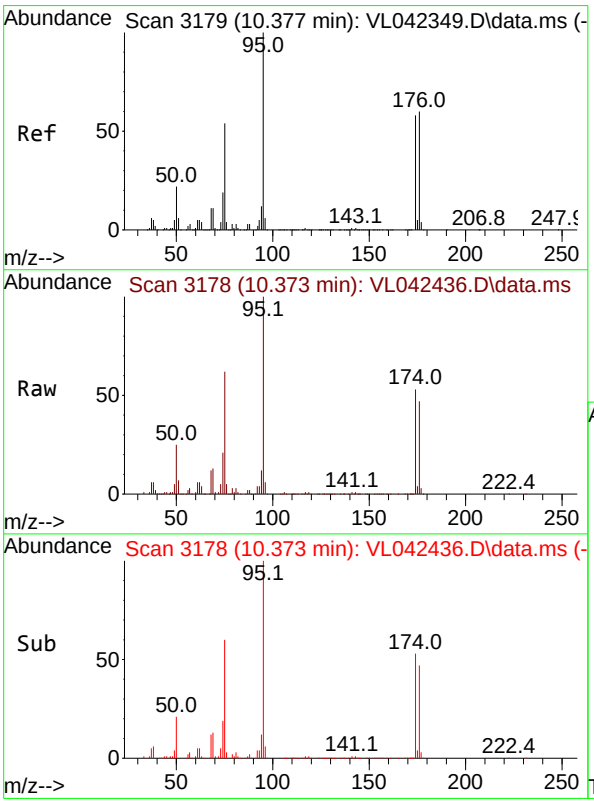
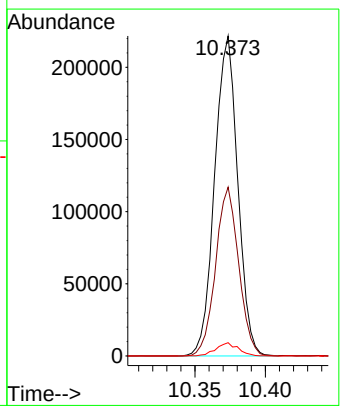
Supervised By :Mahesh Dadoda 04/30/2025

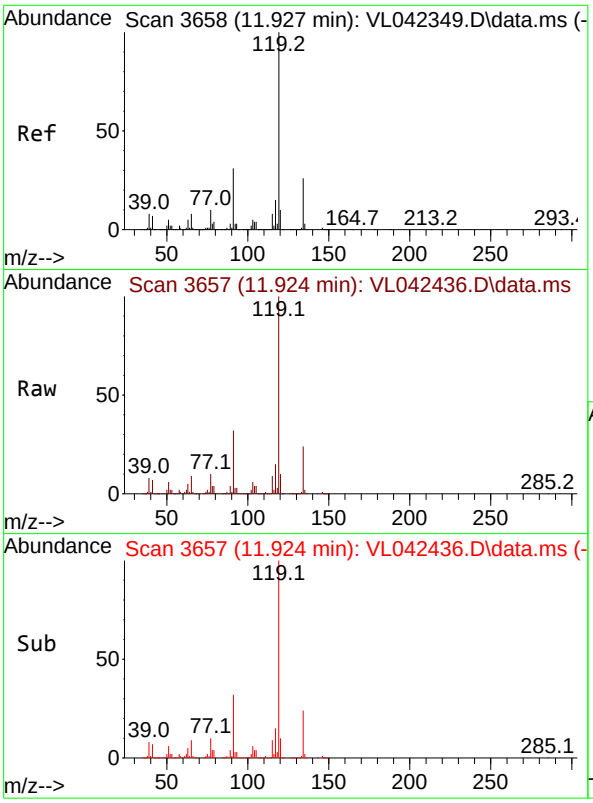


#68
1-Bromo-4-Fluorobenzene
Concen: 11.413 ppbv
RT: 10.373 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 95 Resp: 253216

Ion	Ratio	Lower	Upper
95	100		
174	52.8	48.5	72.7
175	4.0	3.7	5.5

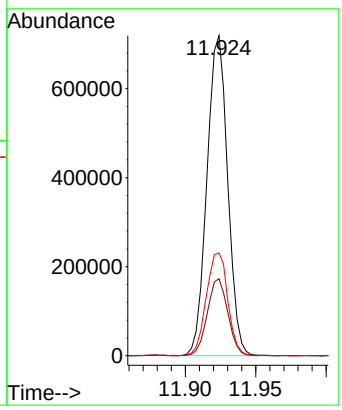




#69
p-Isopropyltoluene
Concen: 10.442 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:119 Resp: 73886

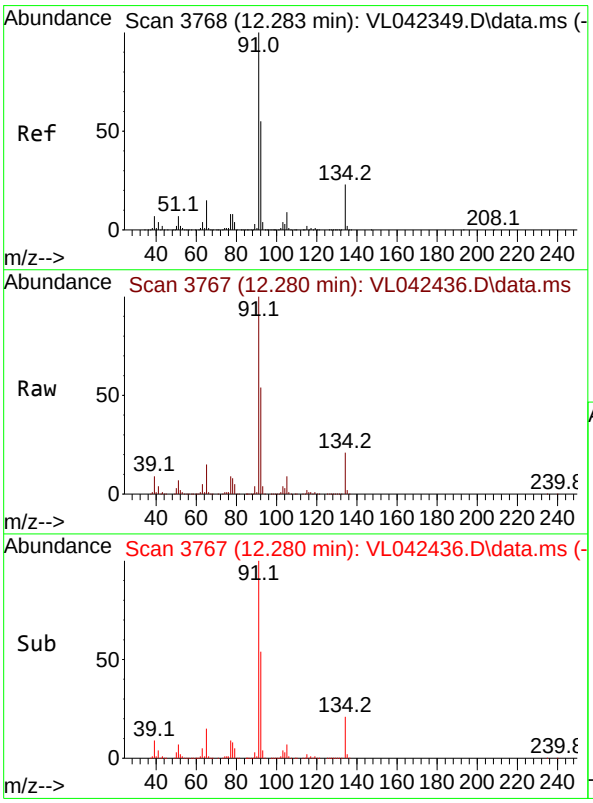
Ion	Ratio	Lower	Upper
119	100		
134	23.9	20.0	30.0
91	33.5	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

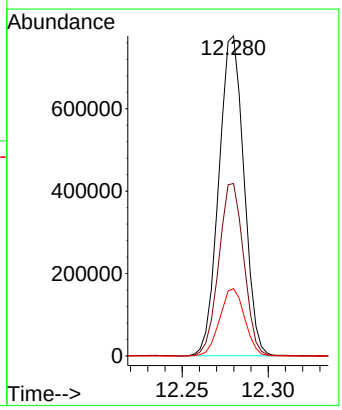
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

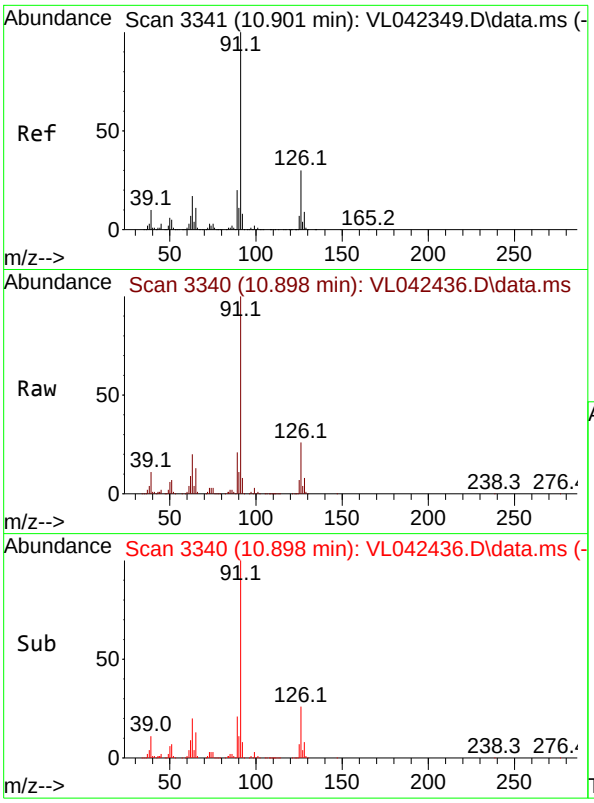


#70
n-Butylbenzene
Concen: 10.688 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 787717

Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.2	66.4
134	21.0	18.2	27.4

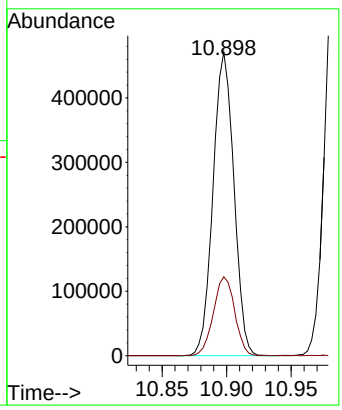




#71
2-Chlorotoluene
Concen: 10.571 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 52820

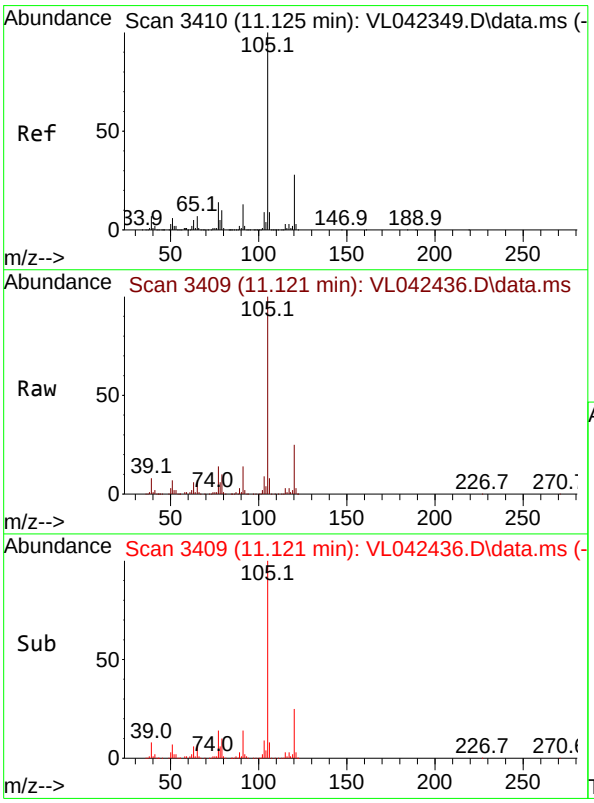
Ion	Ratio	Lower	Upper
91	100		
126	26.5	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

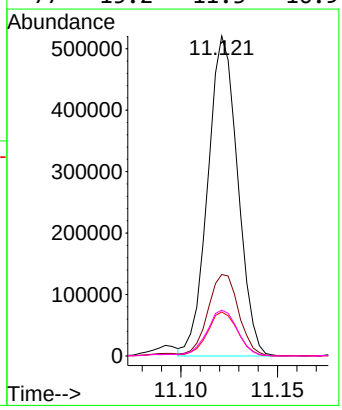
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

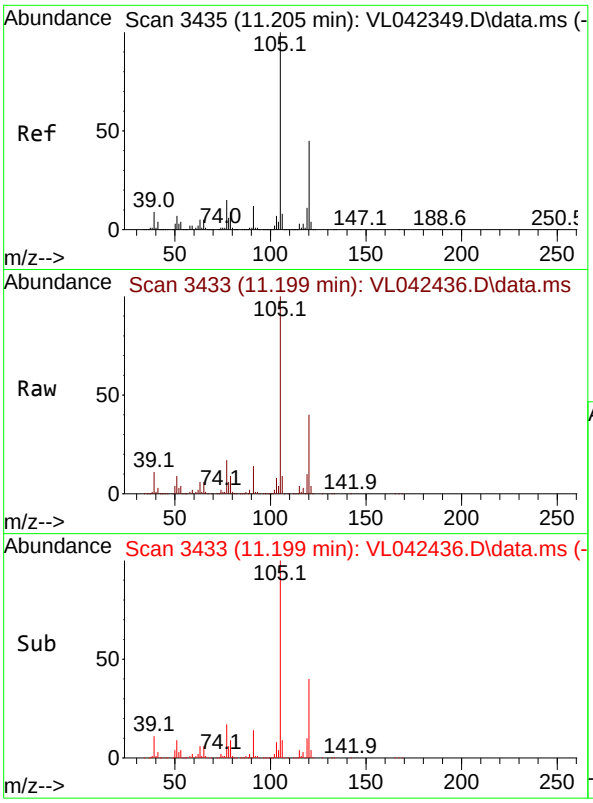


#72
4-Ethyltoluene
Concen: 10.542 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 559285

Ion	Ratio	Lower	Upper
105	100		
120	27.0	23.2	34.8
91	14.5	10.4	15.6
77	15.2	11.3	16.9

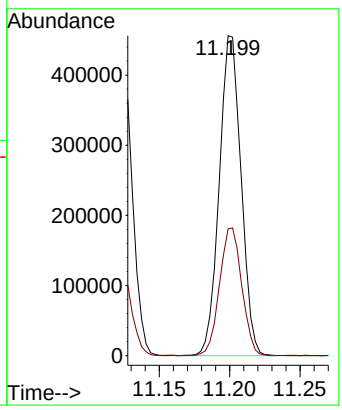




#73
1,3,5-Trimethylbenzene
Concen: 10.546 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 493949

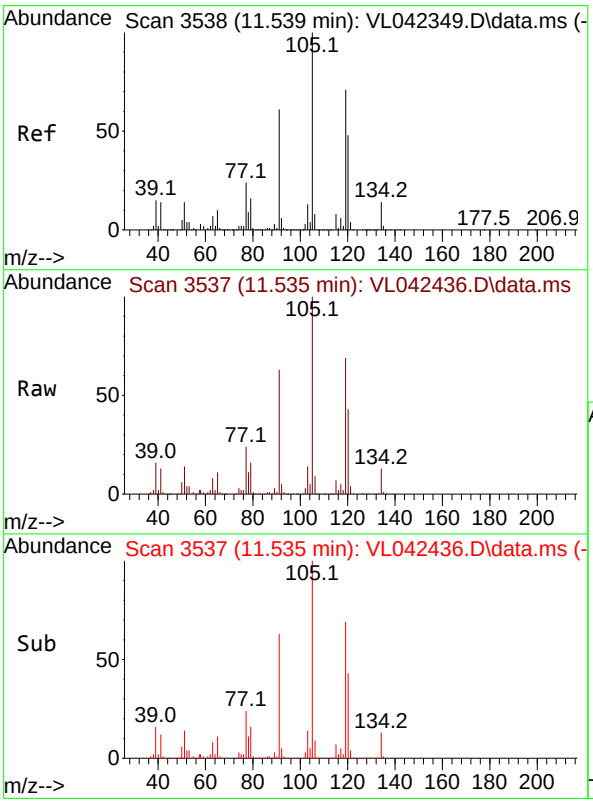
Ion	Ratio	Lower	Upper
105	100		
120	39.6	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

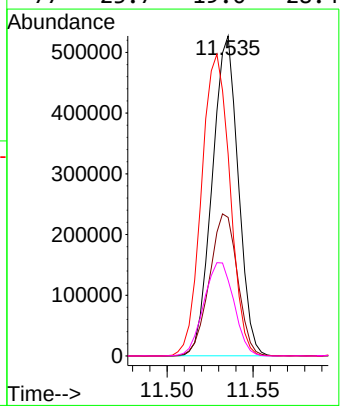
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

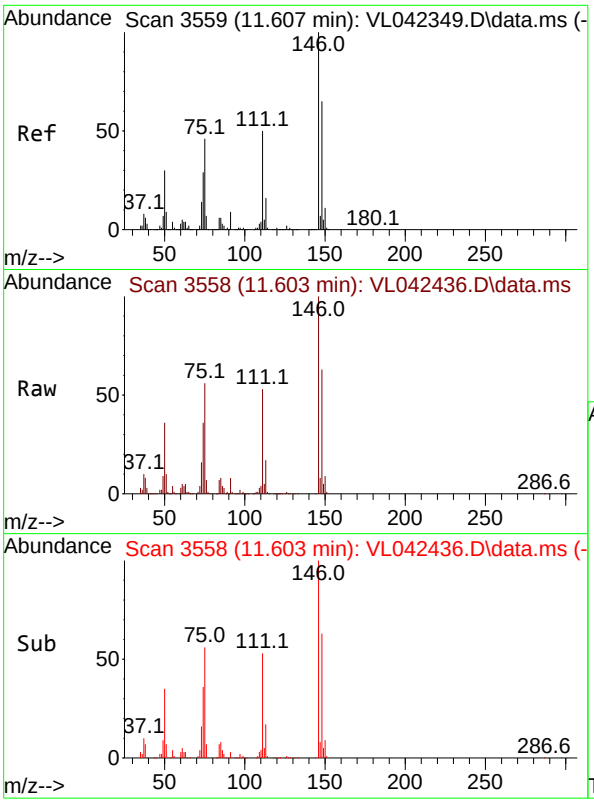


#74
1,2,4-Trimethylbenzene
Concen: 10.130 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 554136

Ion	Ratio	Lower	Upper
105	100		
120	43.3	38.1	57.1
91	63.1	48.8	73.2
77	23.7	19.0	28.4

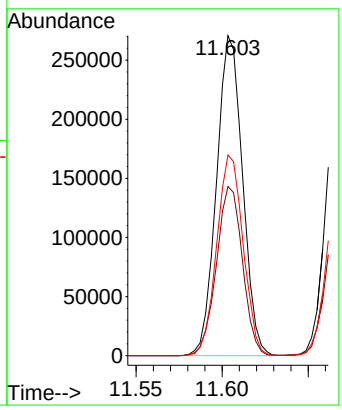




#75
1,3-Dichlorobenzene
Concen: 10.024 ppbv
RT: 11.603 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:146 Resp: 28502

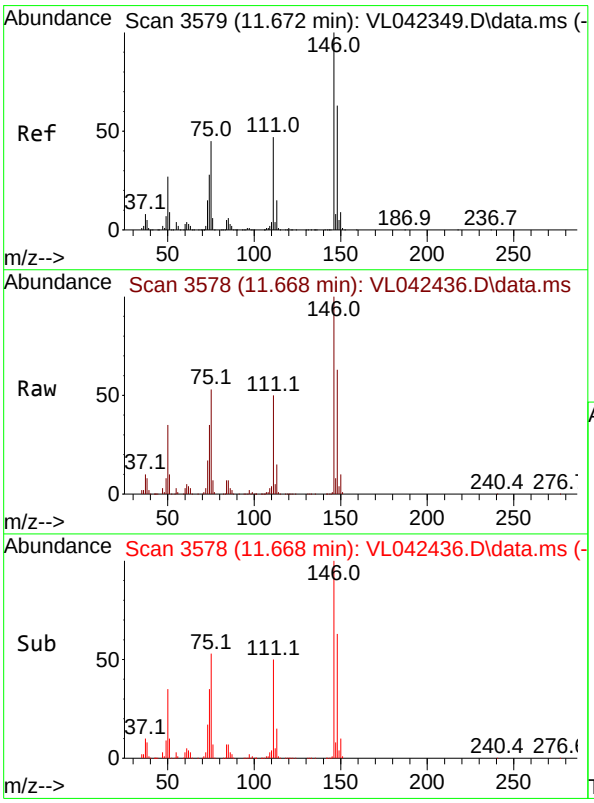
Ion	Ratio	Lower	Upper
146	100		
111	52.9	24.3	72.8
148	63.6	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

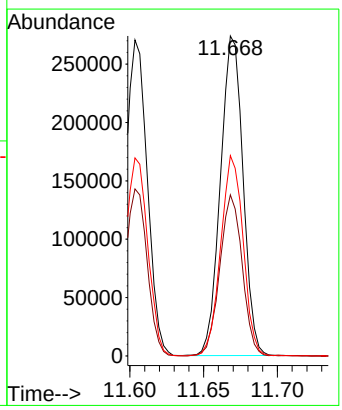
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

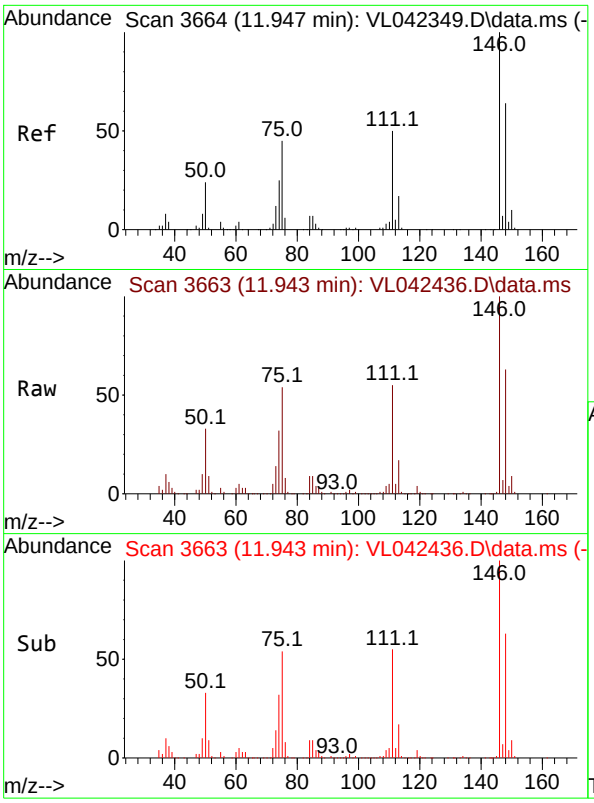


#76
1,4-Dichlorobenzene
Concen: 10.210 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:146 Resp: 291795

Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.2	72.6
148	62.4	32.1	96.5

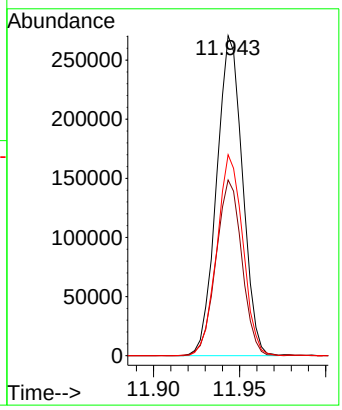




#77
1,2-Dichlorobenzene
Concen: 10.261 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:146 Resp: 28370

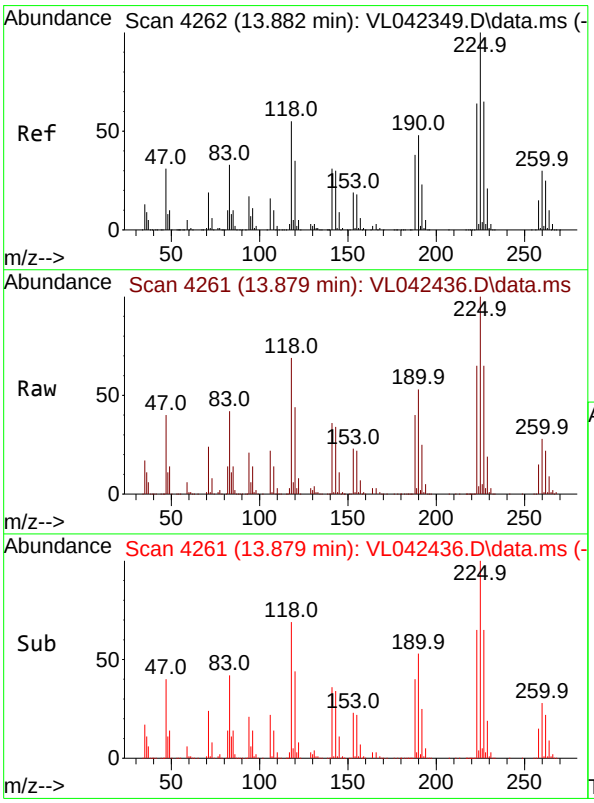
Ion	Ratio	Lower	Upper
146	100		
111	54.8	25.3	75.9
148	63.1	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

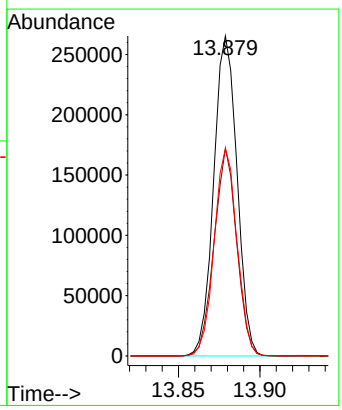
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

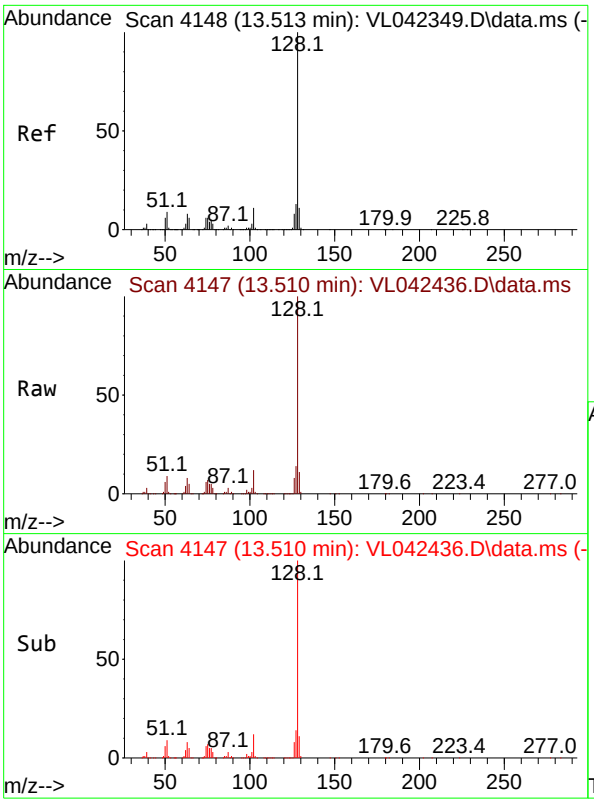


#78
Hexachloro-1,3-Butadiene
Concen: 9.437 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:225 Resp: 263477

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	63.6	51.5	77.3

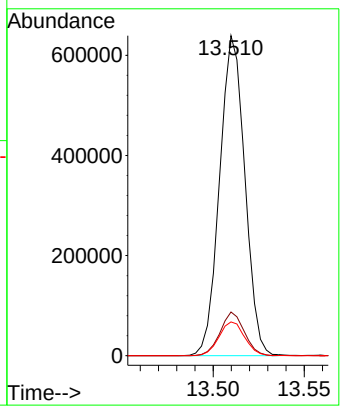




#79
Naphthalene
Concen: 9.408 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:128 Resp: 61540

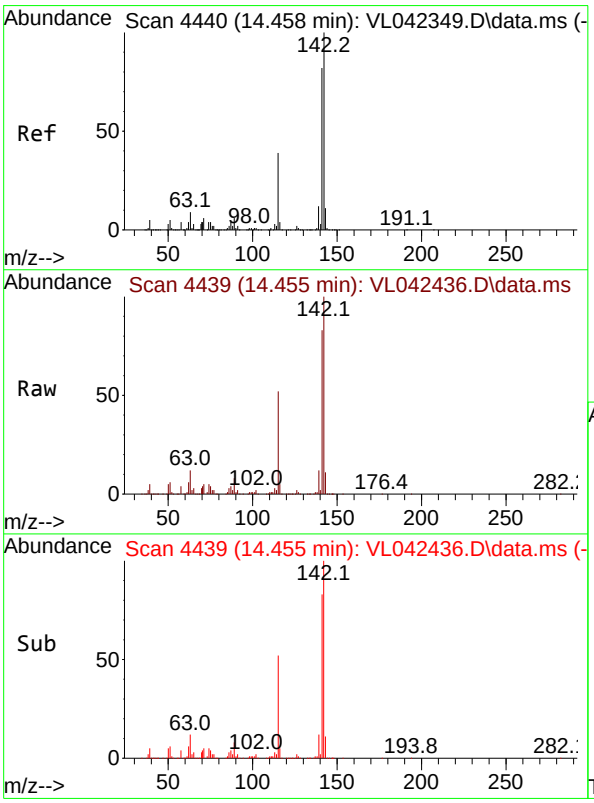
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	10.5	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

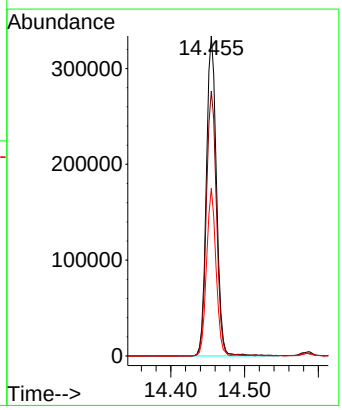
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

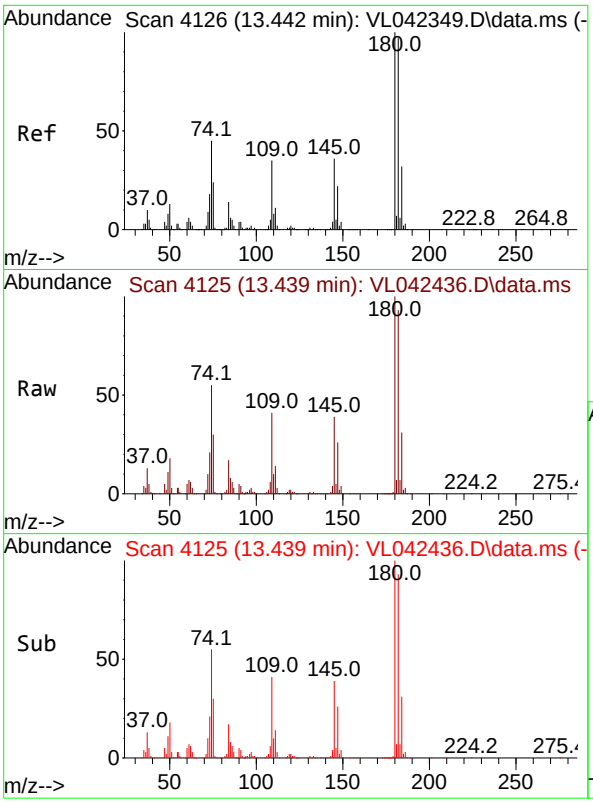


#80
Naphthalene,2-methyl-
Concen: 8.497 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:142 Resp: 316788

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.8	100.2
115	49.6	33.4	50.2

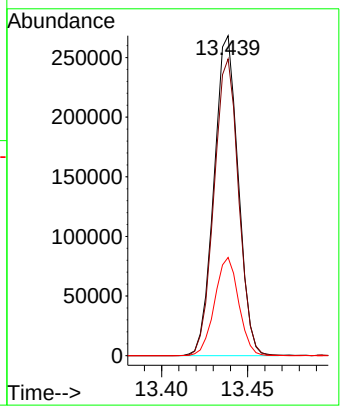




#81
1,2,4-Trichlorobenzene
Concen: 9.363 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:180 Resp: 26300

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
184	30.4	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 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	91	0.00
2	T	Dichlorodifluoromethane	1.767	2.050	-16.0	113	0.00
3		Chlorodifluoromethane	1.682	1.641	2.4	95	0.00
4		Chloromethane	0.699	0.788	-12.7	110	0.00
5	T	Vinyl Chloride	0.761	0.756	0.7	108	0.00
6	T	Bromomethane	0.327	0.358	-9.5	108	0.00
7		Chloroethane	0.275	0.307	-11.6	111	0.00
8	T	Dichlorotetrafluoroethane	1.517	1.746	-15.1	111	0.00
9	T	Propene	0.766	0.604	21.1	80	0.00
10	T	Heptane	2.153	1.613	25.1	78	0.00
11	T	Trichlorofluoromethane	1.680	1.990	-18.5	116	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.374	1.502	-9.3	107	0.00
13		Ethanol	0.122	0.038#	68.9#	98	0.00
14	T	Bromoethene	0.518	0.555	-7.1	103	0.00
15	T	Acetone	1.637	1.614	1.4	117	0.00
16	T	1,3-Butadiene	0.783	0.776	0.9	109	0.00
17		tert-Butyl alcohol	2.029	2.005	1.2	101	0.00
18	T	1,1-Dichloroethene	0.642	0.659	-2.6	103	0.00
19	T	Isopropyl Alcohol	0.909	0.890	2.1	99	0.00
20	T	Methylene Chloride	0.641	0.587	8.4	108	0.00
21	T	Allyl Chloride	1.130	1.151	-1.9	108	0.00
22	T	trans-1,2-Dichloroethene	0.731	0.756	-3.4	104	0.00
23	T	Vinyl Acetate	0.663	0.538	18.9	88	0.00
24	T	1,1-Dichloroethane	1.388	1.506	-8.5	107	0.00
25	T	Ethyl Acetate	4.036	3.568	11.6	89	0.00
26	T	Hexane	1.633	1.343	17.8	86	0.00
27	T	Carbon Disulfide	1.749	1.858	-6.2	102	0.00
28	T	Methyl tert-Butyl Ether	1.070	0.996	6.9	97	0.00
29	T	Chloroform	2.309	2.540	-10.0	108	0.00
30	T	Cyclohexane	1.320	1.140	13.6	83	0.00
31	T	cis-1,2-Dichloroethene	1.553	1.525	1.8	95	0.00
32	T	1,1,1-Trichloroethane	2.599	2.727	-4.9	109	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
34	T	2-Butanone	0.791	0.745	5.8	92	0.00
35	T	Carbon Tetrachloride	0.905	1.017	-12.4	112	0.00
36	T	Benzene	1.079	1.010	6.4	86	0.00
37	T	1,2-Dichloroethane	0.647	0.786	-21.5	113	0.00
38	T	Trichloroethene	0.471	0.398	15.5	86	0.00
39	T	1,2-Dichloropropane	0.402	0.354	11.9	81	0.00
40	T	1,4-Dioxane	0.221	0.175	20.8	82	0.00
41	T	Tetrahydrofuran	0.461	0.391	15.2	81	0.00
42	T	Bromodichloromethane	0.901	1.002	-11.2	100	0.00
43		Methyl Methacrylate	0.486	0.407	16.3	80	0.00
44	T	2,2,4-Trimethylpentane	1.863	1.678	9.9	83	0.00
45	T	t-1,3-Dichloropropene	0.497	0.448	9.9	83	0.00
46	T	cis-1,3-Dichloropropene	0.608	0.544	10.5	81	-0.01
47	T	1,1,2-Trichloroethane	0.410	0.415	-1.2	94	0.00
48	T	Dibromochloromethane	0.723	0.748	-3.5	94	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 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	0.633	0.607	4.1	84	0.00
50	T	4-Methyl-2-Pentanone	1.314	1.047	20.3	82	0.00
51	T	2-Hexanone	1.179	0.867	26.5	83	0.00
52	T	Tetrachloroethene	0.417	0.327	21.6	78	0.00
53	T	Toluene	1.294	1.161	10.3	83	0.00
54	T	1,2-Dibromoethane	0.586	0.578	1.4	91	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
56		1,1,1,2-Tetrachloroethane	0.605	0.677	-11.9	98	0.00
57	T	Chlorobenzene	1.040	1.049	-0.9	88	0.00
58	T	Ethyl Benzene	1.981	1.988	-0.4	87	0.00
59	T	m/p-Xylene	1.596	1.685	-5.6	92	-0.02
60	T	o-Xylene	1.607	1.718	-6.9	95	0.00
61	T	Styrene	0.767	0.725	5.5	80	0.00
62		Isopropylbenzene	2.360	2.491	-5.6	92	0.00
63	T	1,1,2,2-Tetrachloroethane	1.042	1.010	3.1	92	0.00
64		n-propylbenzene	0.593	0.595	-0.3	88	0.00
65		tert-Butylbenzene	2.169	2.285	-5.3	96	0.00
66	T	Benzyl Chloride	0.238	0.185	22.3	60	0.00
67		sec-Butylbenzene	3.017	3.221	-6.8	97	0.00
68	S	1-Bromo-4-Fluorobenzene	0.822	0.938	-14.1	90	0.00
69		p-Isopropyltoluene	2.621	2.737	-4.4	95	0.00
70		n-Butylbenzene	2.730	2.918	-6.9	98	0.00
71		2-Chlorotoluene	1.851	1.956	-5.7	92	0.00
72	T	4-Ethyltoluene	1.965	2.072	-5.4	94	0.00
73	T	1,3,5-Trimethylbenzene	1.735	1.830	-5.5	96	0.00
74	T	1,2,4-Trimethylbenzene	2.026	2.052	-1.3	98	0.00
75	T	1,3-Dichlorobenzene	1.053	1.056	-0.3	89	0.00
76	T	1,4-Dichlorobenzene	1.059	1.081	-2.1	91	0.00
77	T	1,2-Dichlorobenzene	1.024	1.051	-2.6	93	0.00
78	T	Hexachloro-1,3-Butadiene	1.034	0.976	5.6	90	0.00
79	T	Naphthalene	2.423	2.279	5.9	91	0.00
80	T	Naphthalene,2-methyl-	1.381	1.173	15.1	84	0.00
81	T	1,2,4-Trichlorobenzene	1.040	0.974	6.3	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

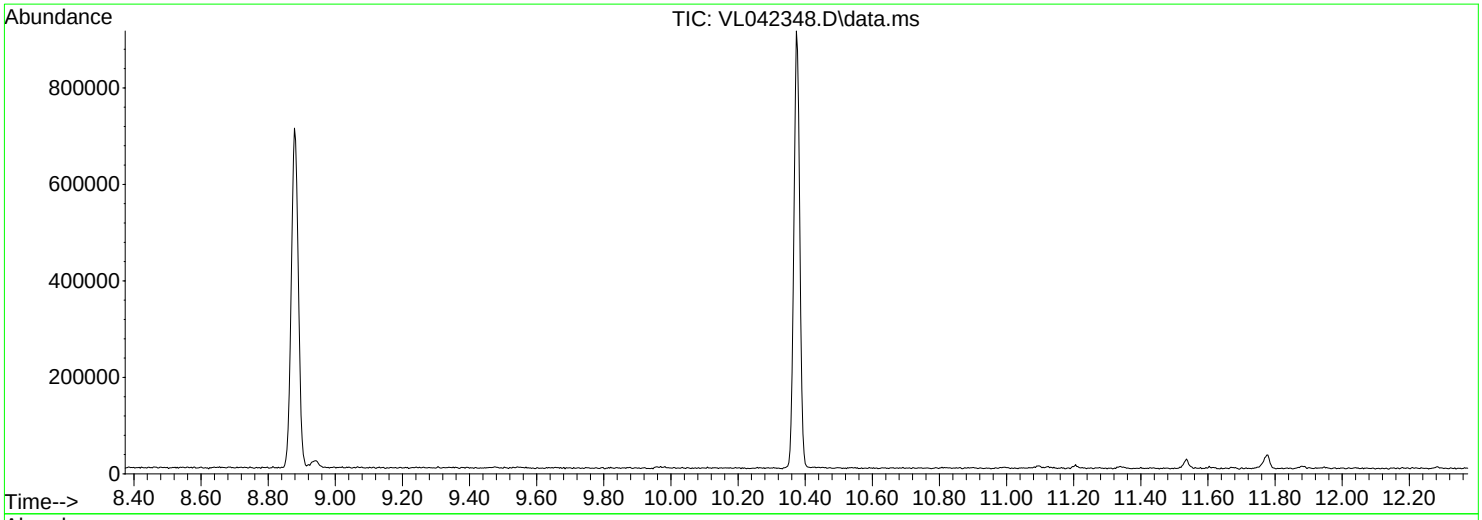
BFB

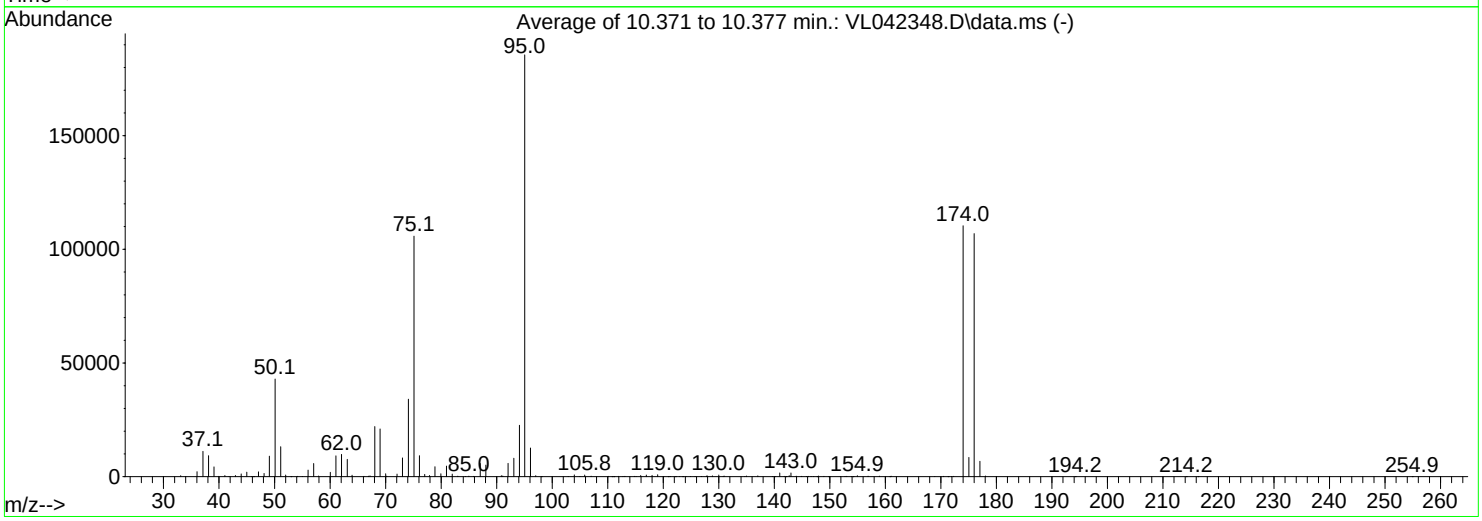
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042348.D
Acq On : 17 Apr 2025 07:50
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025





AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.1	42933	PASS
75	95	30	66	57.0	105781	PASS
95	95	100	100	100.0	185564	PASS
96	95	5	9	6.8	12627	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	59.5	110360	PASS
175	174	4	9	7.6	8420	PASS
176	174	93	101	96.9	106933	PASS
177	176	5	9	6.3	6744	PASS

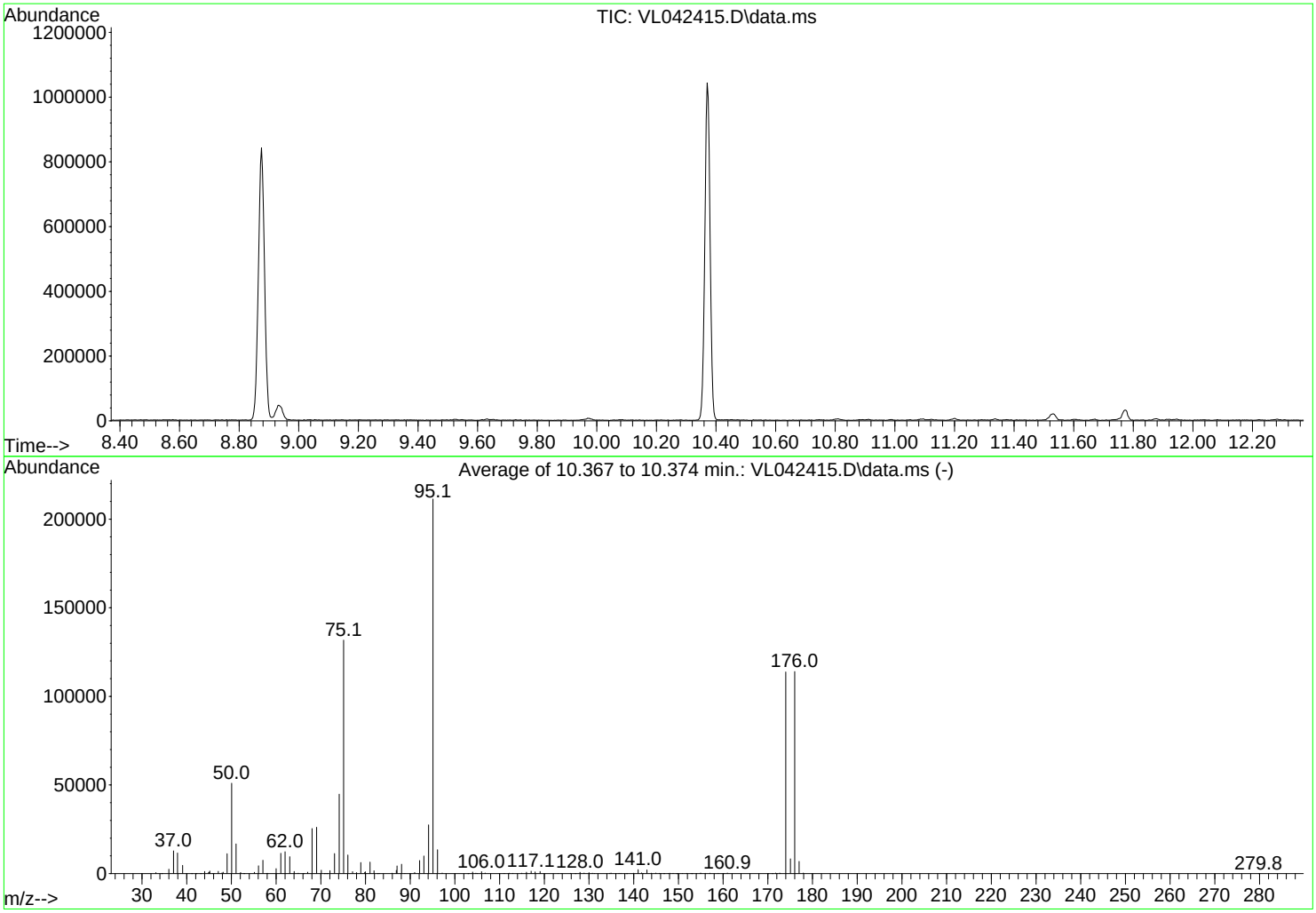
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042415.D
Acq On : 28 Apr 2025 07:59
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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3176, 3177, 3178; Background Corrected with Scan 3156

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.1	51000	PASS
75	95	30	66	62.3	131741	PASS
95	95	100	100	100.0	211371	PASS
96	95	5	9	6.4	13514	PASS
173	174	0.00	2	0.2	277	PASS
174	95	50	120	53.8	113779	PASS
175	174	4	9	7.3	8346	PASS
176	174	93	101	100.2	114021	PASS
177	176	5	9	6.1	6921	PASS

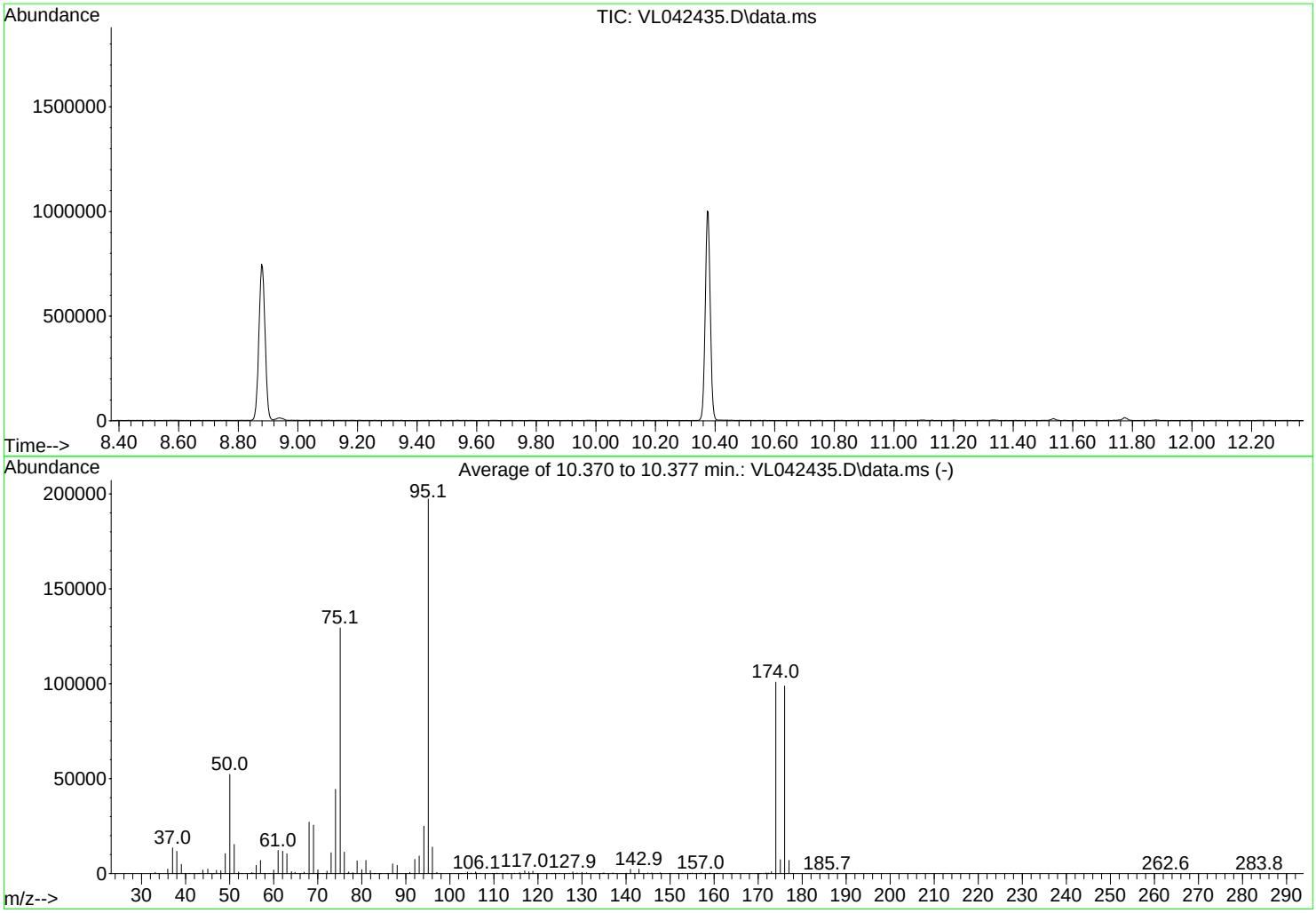
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042435.D
Acq On : 29 Apr 2025 07:55
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Apr 18 02:14:00 2025



AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.5	52245	PASS
75	95	30	66	65.6	129440	PASS
95	95	100	100	100.0	197333	PASS
96	95	5	9	7.1	14000	PASS
173	174	0.00	2	1.1	1121	PASS
174	95	50	120	51.1	100867	PASS
175	174	4	9	7.3	7342	PASS
176	174	93	101	98.0	98848	PASS
177	176	5	9	7.0	6939	PASS

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0428ABL01	SDG No.:	Q1880
Lab Sample ID:	VL0428ABL01	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
VL042417.D	1		04/28/25 09:27	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	2.47	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.50	1.03	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.50	2.81	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.50	1.19	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.50	1.74	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.50	1.47	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.50	1.88	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0428ABL01	SDG No.:	Q1880
Lab Sample ID:	VL0428ABL01	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
VL042417.D	1		04/28/25 09:27	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.50	1.76	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	121000		2.777			
540-36-3	1,4-Difluorobenzene	347000		3.946			
3114-55-4	Chlorobenzene-d5	302000		8.868			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0428ABL01	SDG No.:	Q1880
Lab Sample ID:	VL0428ABL01	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
VL042417.D	1		04/28/25 09:27	VL042825

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

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042417.D
Acq On : 28 Apr 2025 09:27
Operator : SY/MD
Sample : VL0428ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABL01

Quant Time: Apr 29 01:32:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

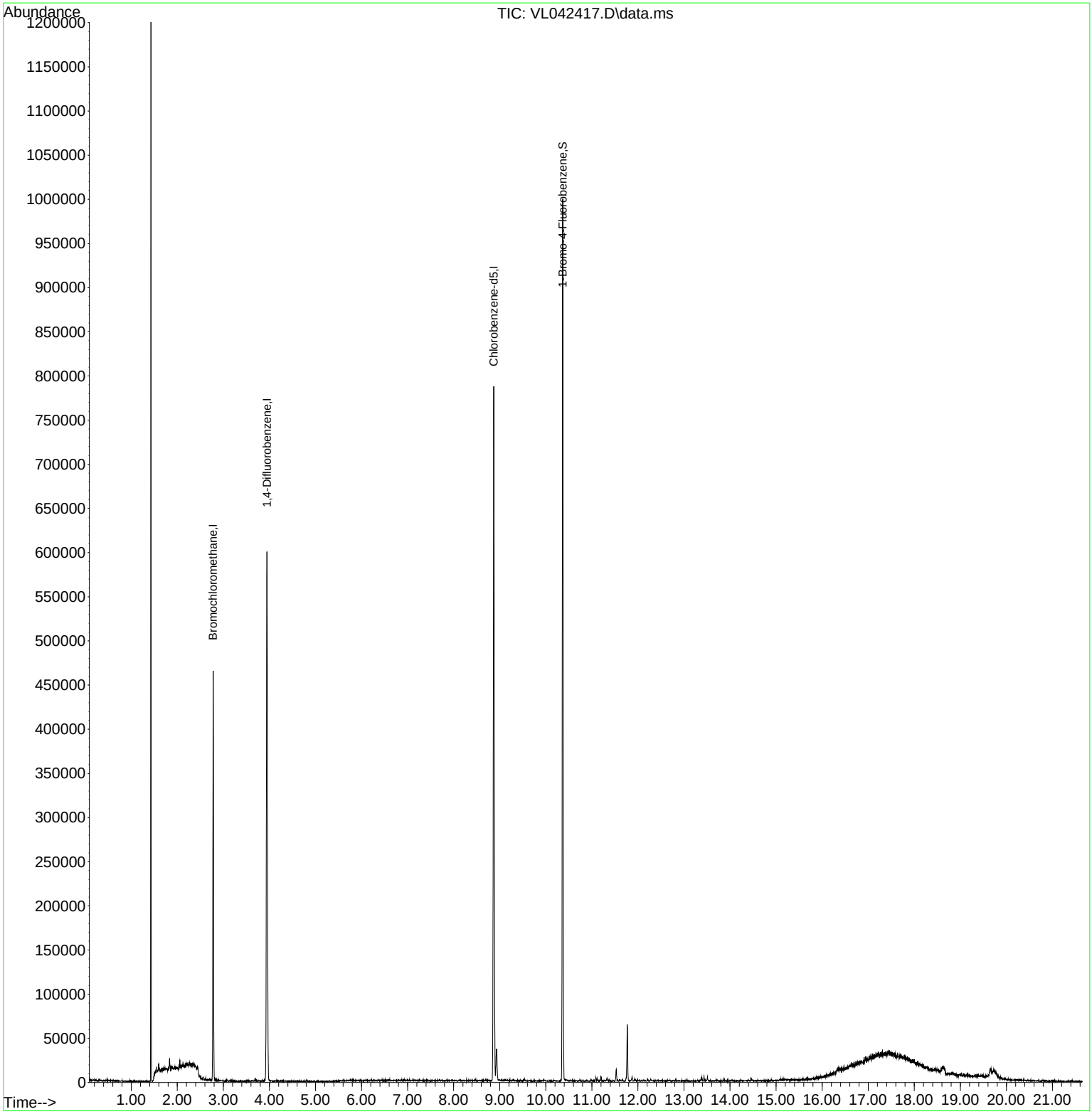
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.777	49	121027	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	346921	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.868	117	302157	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	259490	10.451	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.500%			
Target Compounds						Qvalue

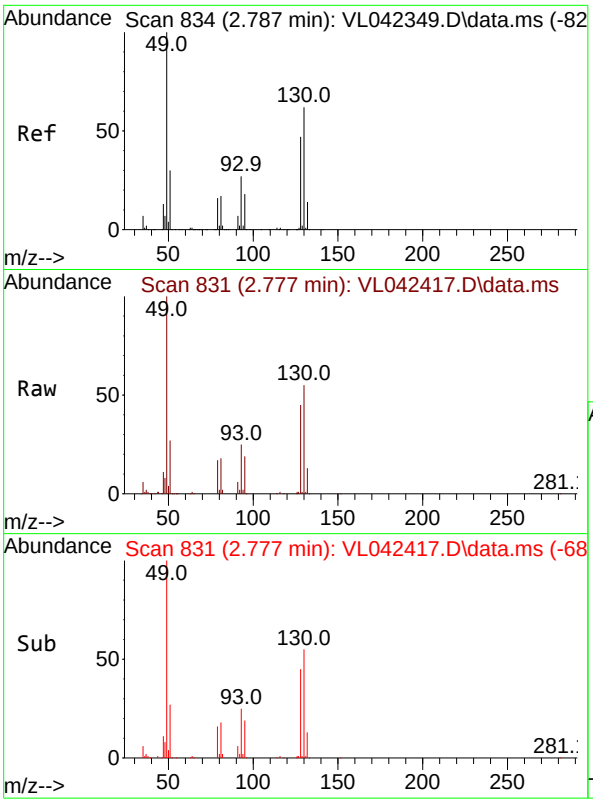
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042417.D
Acq On : 28 Apr 2025 09:27
Operator : SY/MD
Sample : VL0428ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABL01

Quant Time: Apr 29 01:32:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



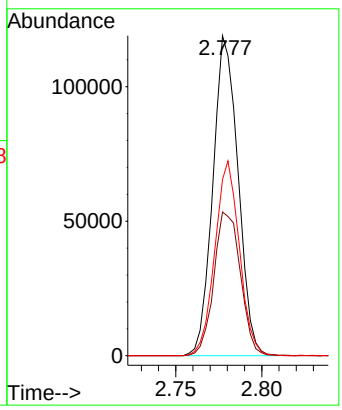


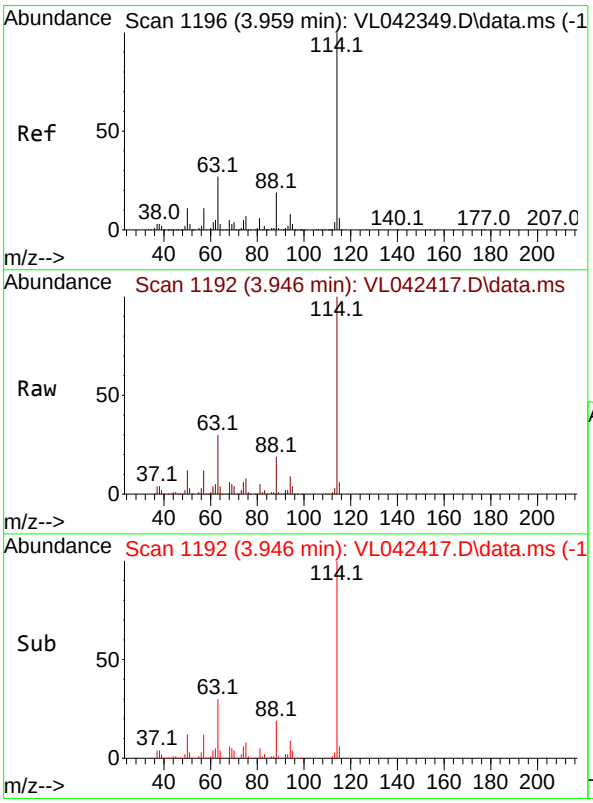
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 8
Delta R.T. -0.010 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABL01

Tgt Ion: 49 Resp: 121027

Ion	Ratio	Lower	Upper
49	100		
128	47.3	22.8	68.4
130	59.4	29.3	88.0

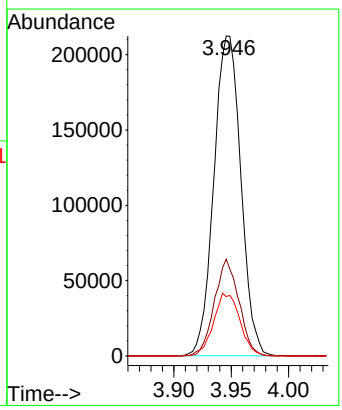


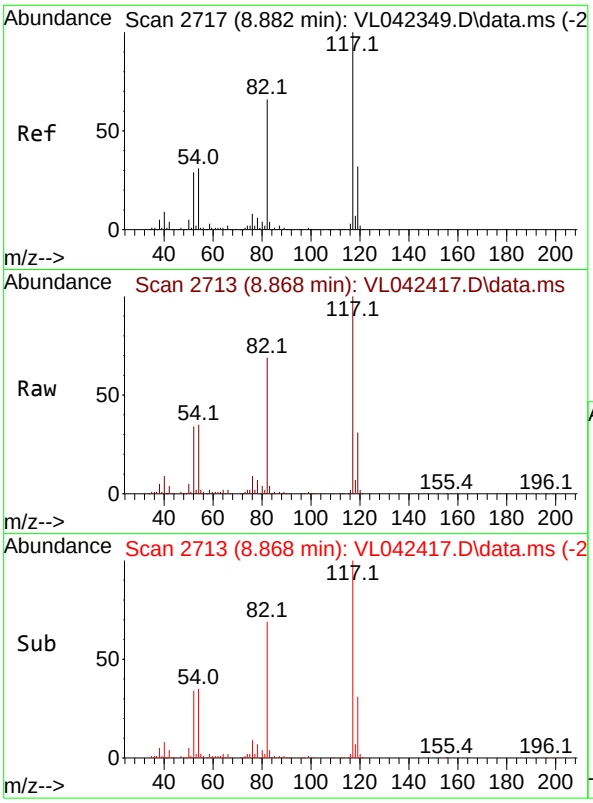


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.013 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Tgt Ion:114 Resp: 346921

Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.8	32.6
88	19.1	15.5	23.3



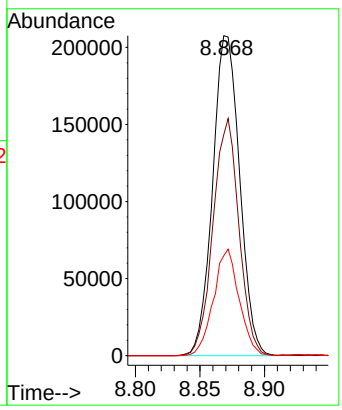


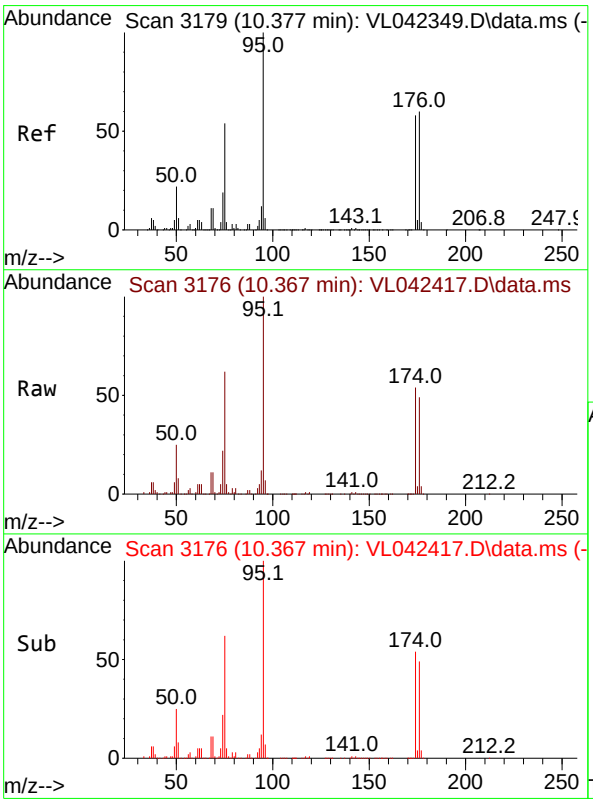
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.868 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABL01

Tgt Ion:117 Resp: 302157

Ion	Ratio	Lower	Upper
117	100		
82	71.0	57.8	86.6
119	31.7	25.2	37.8

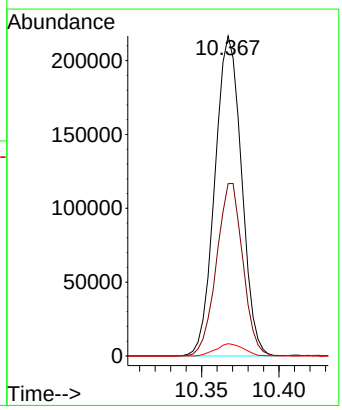




#68
1-Bromo-4-Fluorobenzene
Concen: 10.451 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.010 min
Lab File: VL042417.D
Acq: 28 Apr 2025 09:27

Tgt Ion: 95 Resp: 259490

Ion	Ratio	Lower	Upper
95	100		
174	53.3	48.5	72.7
175	4.0	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0429ABL01	SDG No.:	Q1880
Lab Sample ID:	VL0429ABL01	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
VL042437.D	1		04/29/25 09:25	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	2.47	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.50	1.03	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.50	1.94	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.50	1.32	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.50	1.47	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.50	2.81	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	3.83	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.50	3.49	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.50	1.52	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.50	2.05	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.50	1.98	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.50	1.19	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.50	1.56	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.50	1.80	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.50	1.74	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.50	1.98	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.50	2.02	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.50	1.72	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.50	1.47	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.50	2.44	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.50	2.34	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.50	1.60	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.50	2.02	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.50	2.31	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.50	3.35	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.50	2.05	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.50	1.88	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.50	2.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.50	2.73	U	0.38	2.73	ug/m3

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0429ABL01	SDG No.:	Q1880
Lab Sample ID:	VL0429ABL01	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
VL042437.D	1		04/29/25 09:25	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	4.26	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.10	0.77	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.50	2.30	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.50	2.17	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.00	4.34	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.50	2.17	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.50	2.13	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.50	5.17	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.030	0.21	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.50	2.59	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.50	2.46	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.50	2.46	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.50	3.01	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.50	3.01	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.50	3.71	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.50	5.33	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.50	1.11	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.10	0.52	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.50	2.46	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.50	1.76	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.50	1.57	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.50	1.80	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.50	2.05	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	119000		2.787			
540-36-3	1,4-Difluorobenzene	329000		3.959			
3114-55-4	Chlorobenzene-d5	276000		8.885			

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0429ABL01	SDG No.:	Q1880
Lab Sample ID:	VL0429ABL01	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
VL042437.D	1		04/29/25 09:25	VL042925

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/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042437.D
Acq On : 29 Apr 2025 09:25
Operator : SY/MD
Sample : VL0429ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABL01

Quant Time: Apr 30 01:16:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

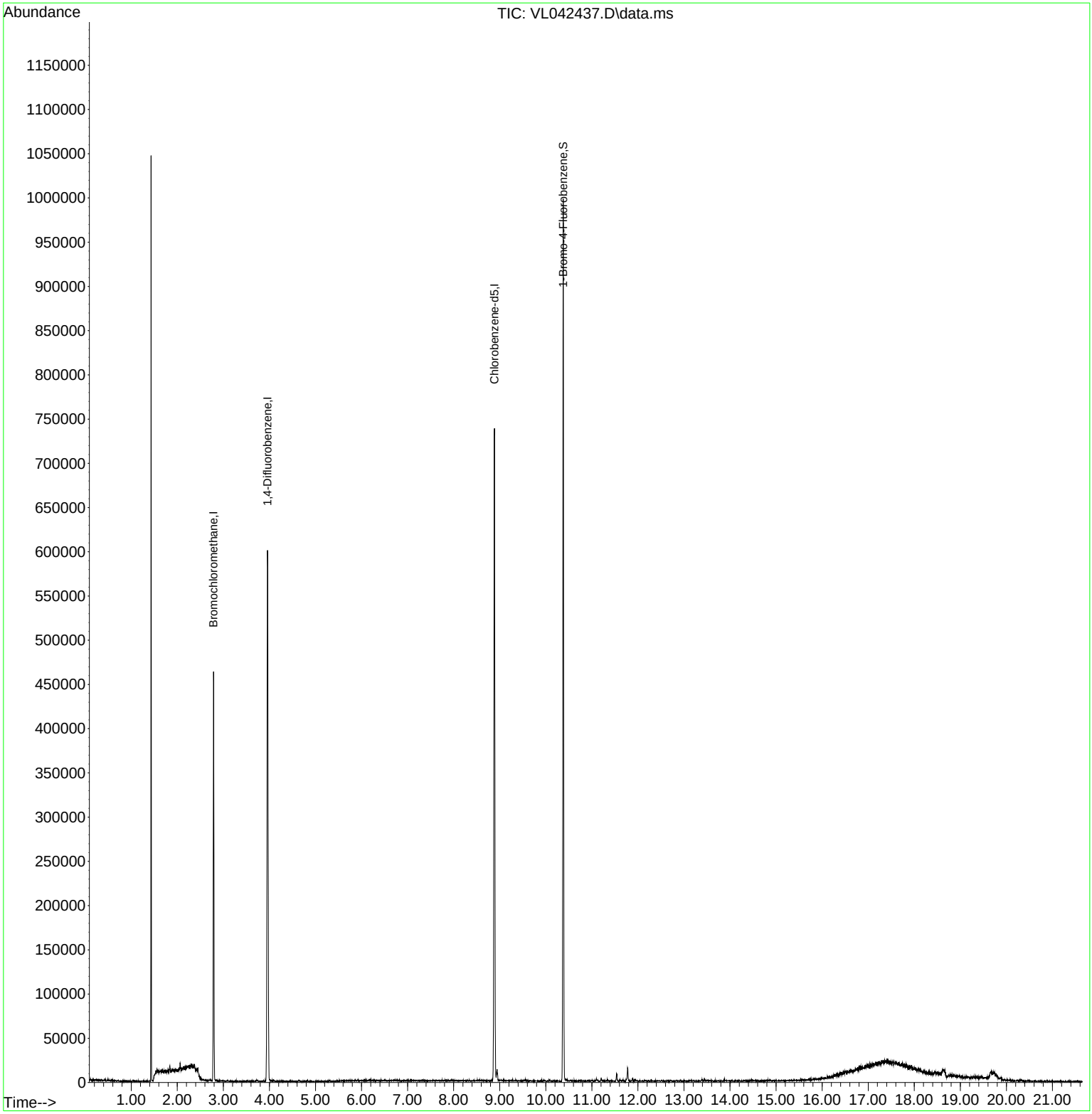
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	119014	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	328601	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	276498	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	239853	10.556	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.600%			
Target Compounds						Qvalue

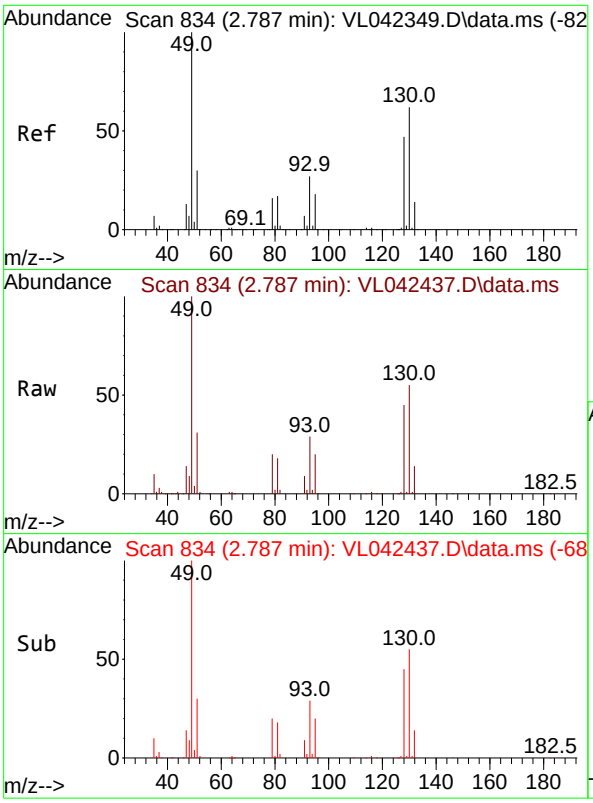
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042437.D
Acq On : 29 Apr 2025 09:25
Operator : SY/MD
Sample : VL0429ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABL01

Quant Time: Apr 30 01:16:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



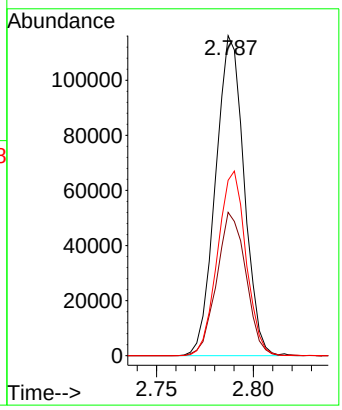


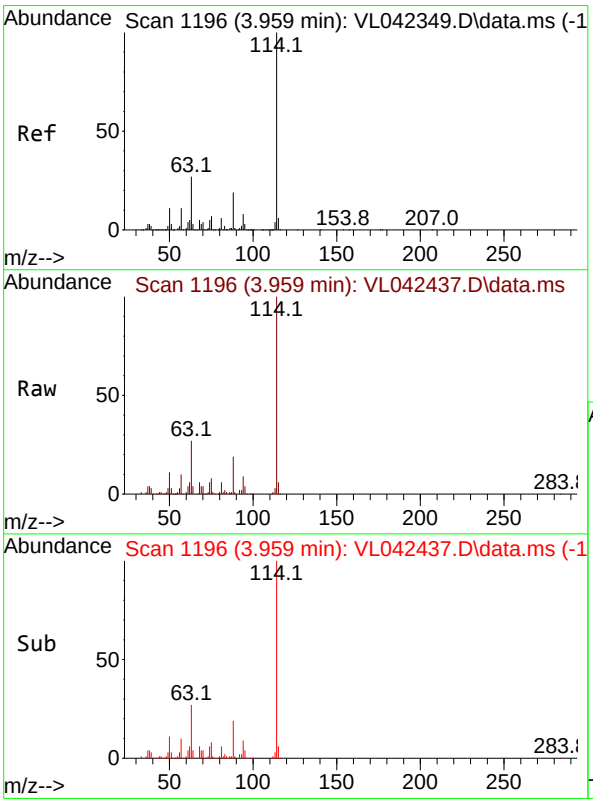
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABL01

Tgt Ion: 49 Resp: 119014

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.8	68.4
130	57.6	29.3	88.0

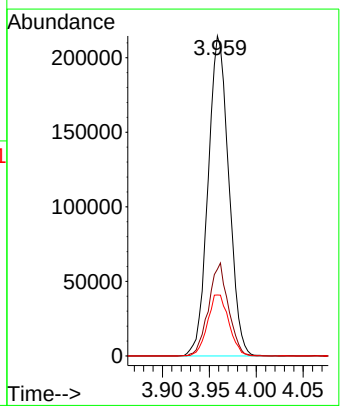


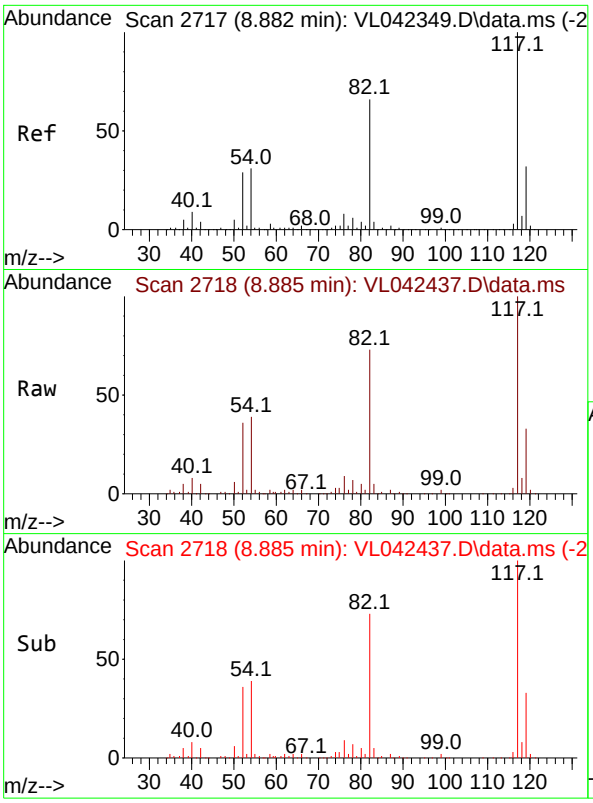


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Tgt Ion:114 Resp: 328601

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.8	32.6
88	19.7	15.5	23.3



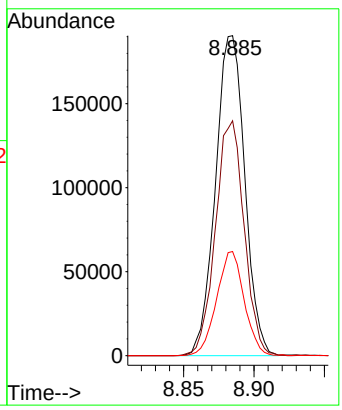


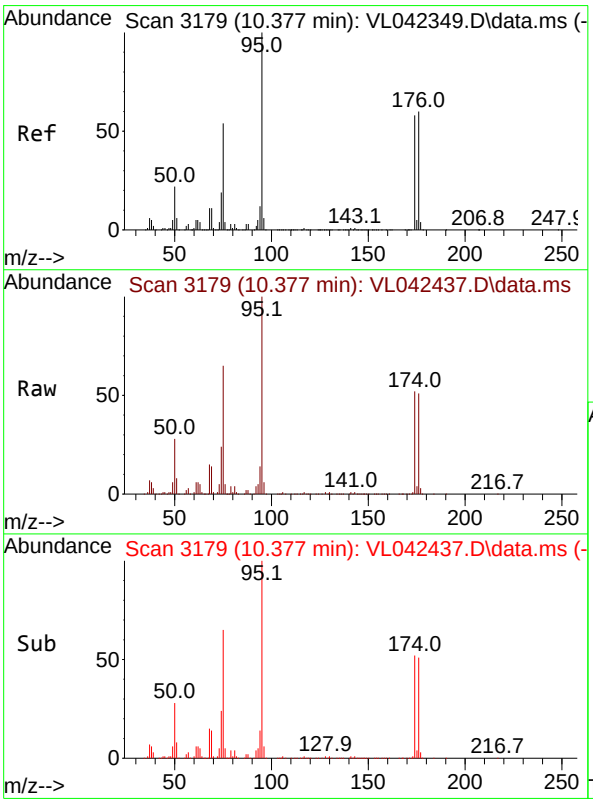
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABL01

Tgt Ion:117 Resp: 276498

Ion	Ratio	Lower	Upper
117	100		
82	71.6	57.8	86.6
119	30.6	25.2	37.8

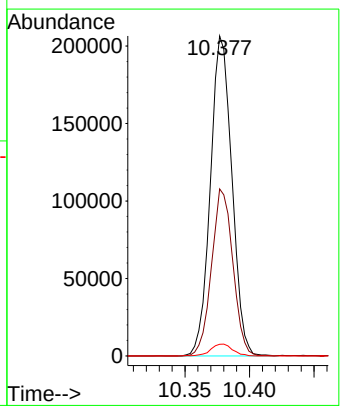




#68
1-Bromo-4-Fluorobenzene
Concen: 10.556 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Tgt Ion: 95 Resp: 239853

Ion	Ratio	Lower	Upper
95	100		
174	51.8	48.5	72.7
175	3.8	3.7	5.5



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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0428ABS01	SDG No.:	Q1880
Lab Sample ID:	VL0428ABS01	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
VL042418.D	1		04/28/25 10:10	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.0	49.5		1.04	2.47	ug/m3
74-87-3	Chloromethane	9.70	20.0		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.70	22.2		0.030	0.080	ug/m3
74-83-9	Bromomethane	9.40	36.5		0.54	1.94	ug/m3
75-00-3	Chloroethane	9.50	25.1		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	8.40	24.8		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	10.0	56.2		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.60	73.6		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.0	69.9		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	8.90	27.0		0.58	1.52	ug/m3
142-82-5	Heptane	7.60	31.1		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.20	36.5		0.56	1.98	ug/m3
67-64-1	Acetone	8.60	20.4		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	9.40	29.3		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.70	31.4		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	7.90	27.4		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.20	36.5		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.40	38.0		0.53	2.02	ug/m3
110-82-7	Cyclohexane	8.60	29.6		0.76	1.72	ug/m3
78-93-3	2-Butanone	8.60	25.4		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9.90	62.3		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.50	37.7		0.36	1.98	ug/m3
67-66-3	Chloroform	9.80	47.9		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.50	51.8		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	8.70	40.6		0.47	2.34	ug/m3
71-43-2	Benzene	9.00	28.8		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.6	42.9		0.36	2.02	ug/m3
79-01-6	Trichloroethene	8.30	44.6		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	8.80	40.7		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	10.2	68.3		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	7.70	31.6		0.37	2.05	ug/m3
108-88-3	Toluene	8.90	33.5		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	9.10	41.3		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	9.10	41.3		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.50	51.8		0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0428ABS01	SDG No.:	Q1880
Lab Sample ID:	VL0428ABS01	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
VL042418.D	1		04/28/25 10:10	VL042825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	9.80	83.5		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.20	70.7		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	8.10	54.9		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	9.50	43.8		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	9.30	40.4		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	19.0	82.5		0.91	4.34	ug/m3
95-47-6	o-Xylene	9.50	41.3		0.52	2.17	ug/m3
100-42-5	Styrene	9.10	38.7		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	8.80	60.4		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	9.60	49.7		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.30	45.7		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	8.90	43.8		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.00	54.1		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.00	54.1		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.10	54.7		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	8.70	64.6		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.80	93.9		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	9.00	19.9		0.29	1.11	ug/m3
91-20-3	Naphthalene	8.50	44.6		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	9.40	46.2		0.59	2.46	ug/m3
110-54-3	Hexane	8.10	28.6		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	9.00	28.2		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	8.00	28.8		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	8.30	34.0		0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135	105%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	122000		2.78			
540-36-3	1,4-Difluorobenzene	337000		3.952			
3114-55-4	Chlorobenzene-d5	299000		8.875			

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0428ABS01	SDG No.:	Q1880
Lab Sample ID:	VL0428ABS01	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
VL042418.D	1		04/28/25 10:10	VL042825

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\VL042825\
Data File : VL042418.D
Acq On : 28 Apr 2025 10:10
Operator : SY/MD
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 01:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.780	49	122448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	337202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	299130	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	258626	10.521	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	216893	10.025	ppbv	99
3) Chlorodifluoromethane	1.473	51	187830	9.117	ppbv	97
4) Chloromethane	1.531	50	82976	9.692	ppbv	98
5) Vinyl Chloride	1.576	62	81506	8.746	ppbv	96
6) Bromomethane	1.664	94	37549	9.379	ppbv	86
7) Chloroethane	1.703	64	31924	9.472	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	184850	9.952	ppbv	95
9) Propene	1.482	41	74980	7.992	ppbv	95
10) Heptane	4.968	43	199403	7.565	ppbv	99
11) Trichlorofluoromethane	1.874	101	205815	10.004	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	161799	9.619	ppbv	97
13) Ethanol	1.719	45	4439	2.977	ppbv	81
14) Bromoethene	1.780	108	60748	9.581	ppbv	97
15) Acetone	1.832	43	172651	8.613	ppbv	99
16) 1,3-Butadiene	1.605	39	86553	9.028	ppbv	94
17) tert-Butyl alcohol	2.036	59	221069	8.899	ppbv	100
18) 1,1-Dichloroethene	2.029	96	72496	9.225	ppbv	98
19) Isopropyl Alcohol	1.884	45	97525	8.758	ppbv	88
20) Methylene Chloride	2.059	84	62175	7.920	ppbv	89
21) Allyl Chloride	2.091	41	124058	8.964	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	82175	9.184	ppbv	97
23) Vinyl Acetate	2.457	43	67206	8.283	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	159644	9.393	ppbv	99
25) Ethyl Acetate	2.832	43	419372	8.485	ppbv	99
26) Hexane	2.819	57	162255	8.112	ppbv	99
27) Carbon Disulfide	2.146	76	200806	9.377	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	114239	8.718	ppbv	92
29) Chloroform	2.842	83	275655	9.751	ppbv	100
30) Cyclohexane	3.848	84	138766	8.583	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	179960	9.464	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	301358	9.469	ppbv	100
34) 2-Butanone	2.554	43	230104	8.628	ppbv	99
35) Carbon Tetrachloride	3.755	117	302298	9.906	ppbv	96
36) Benzene	3.648	78	329117	9.049	ppbv	94
37) 1,2-Dichloroethane	3.214	62	232279	10.641	ppbv	97
38) Trichloroethene	4.541	130	131178	8.252	ppbv	93
39) 1,2-Dichloropropane	4.308	63	119692	8.831	ppbv	93
40) 1,4-Dioxane	4.577	88	59666	8.010	ppbv #	91
41) Tetrahydrofuran	3.049	42	131046	8.428	ppbv	98
42) Bromodichloromethane	4.480	83	310553	10.222	ppbv #	99
43) Methyl Methacrylate	4.871	69	136249	8.312	ppbv	97
44) 2,2,4-Trimethylpentane	4.628	57	546967	8.707	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	152930	9.133	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042418.D
Acq On : 28 Apr 2025 10:10
Operator : SY/MD
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 01:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	185557	9.055	ppbv		91
47) 1,1,2-Trichloroethane	6.574	97	130821	9.474	ppbv		95
48) Dibromochloromethane	7.376	129	237927	9.753	ppbv		100
49) Bromoform	9.477	173	196872	9.229	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	342379	7.726	ppbv		98
51) 2-Hexanone	7.428	43	280580	7.060	ppbv	#	95
52) Tetrachloroethene	8.218	164	113273	8.058	ppbv		95
53) Toluene	6.923	91	388626	8.904	ppbv		99
54) 1,2-Dibromoethane	7.642	107	181632	9.191	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.917	131	180122	9.949	ppbv		96
57) Chlorobenzene	8.917	112	294922	9.480	ppbv		97
58) Ethyl Benzene	9.347	91	552423	9.321	ppbv		100
59) m/p-Xylene	9.545	91	907157m	19.000	ppbv		
60) o-Xylene	9.959	91	457491	9.515	ppbv		98
61) Styrene	9.865	104	208517	9.086	ppbv		97
62) Isopropylbenzene	10.535	105	673842	9.546	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.956	83	273641	8.783	ppbv		100
64) n-propylbenzene	10.985	120	164482	9.271	ppbv		98
65) tert-Butylbenzene	11.526	119	612519	9.441	ppbv		95
66) Benzyl Chloride	11.610	91	54781	7.684	ppbv		98
67) sec-Butylbenzene	11.765	105	846457	9.380	ppbv		99
69) p-Isopropyltoluene	11.921	119	722909	9.221	ppbv		97
70) n-Butylbenzene	12.277	91	771835	9.452	ppbv		98
71) 2-Chlorotoluene	10.898	91	532755	9.623	ppbv		96
72) 4-Ethyltoluene	11.121	105	554770	9.438	ppbv		97
73) 1,3,5-Trimethylbenzene	11.199	105	481697	9.283	ppbv		94
74) 1,2,4-Trimethylbenzene	11.532	105	537510	8.869	ppbv	#	89
75) 1,3-Dichlorobenzene	11.603	146	284652	9.035	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	284740	8.992	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	278619	9.095	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	271569	8.779	ppbv		99
79) Naphthalene	13.510	128	614768	8.482	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	316027	7.651	ppbv		96
81) 1,2,4-Trichlorobenzene	13.435	180	271657	8.729	ppbv		98

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

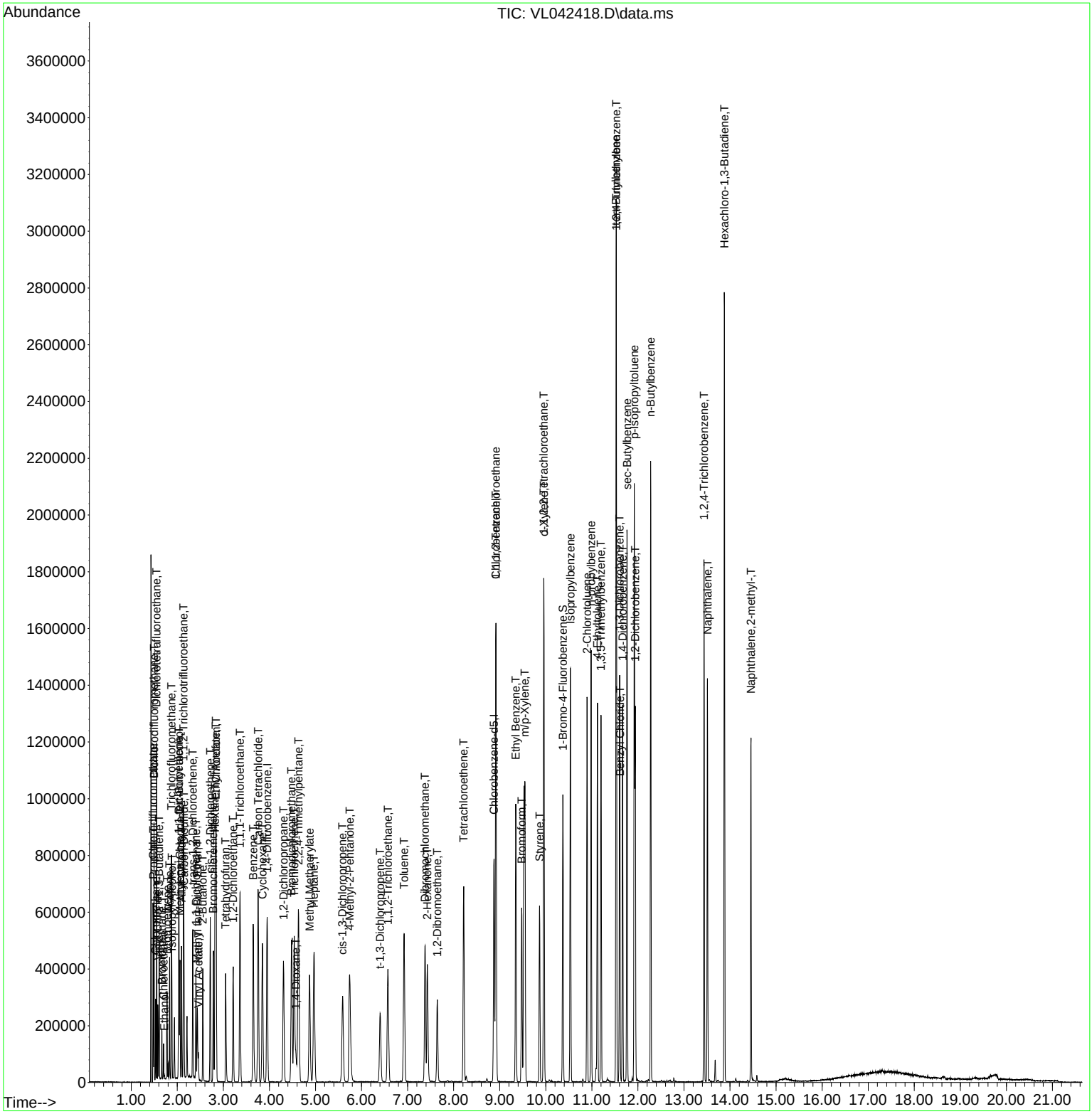
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042418.D
Acq On : 28 Apr 2025 10:10
Operator : SY/MD
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

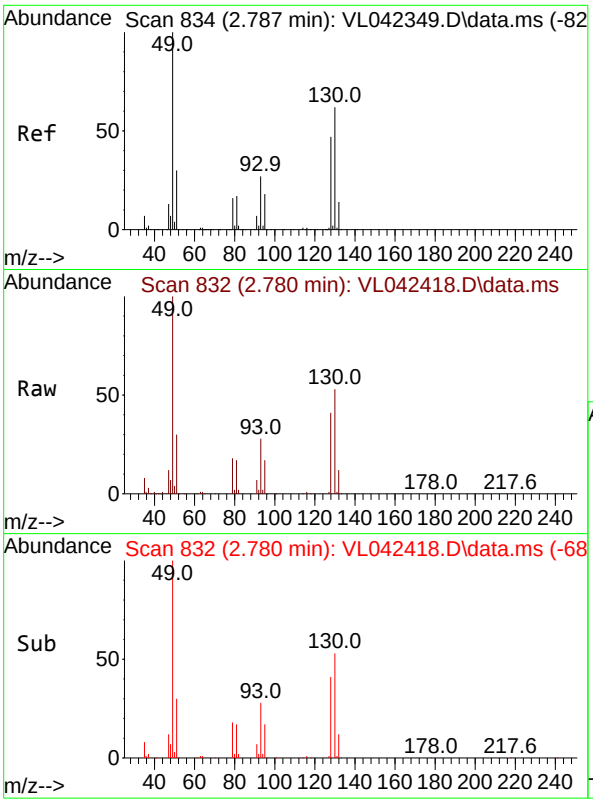
Quant Time: Apr 29 01:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

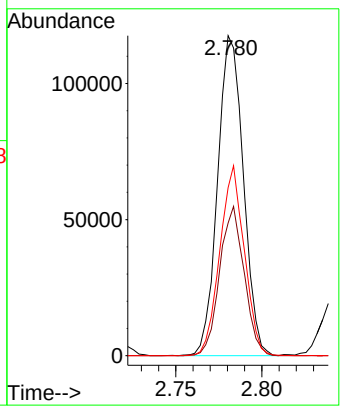




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 49 Resp: 12244

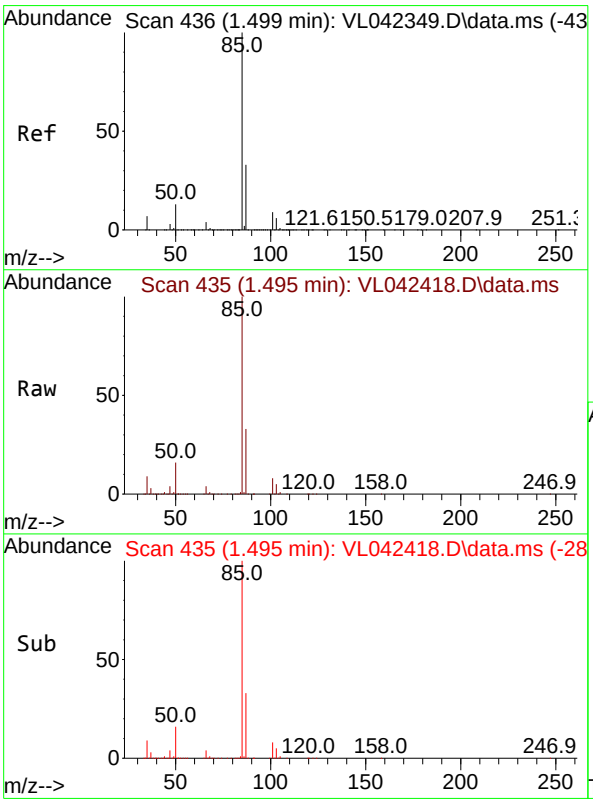
Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.8	68.4
130	56.4	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
APPROVED

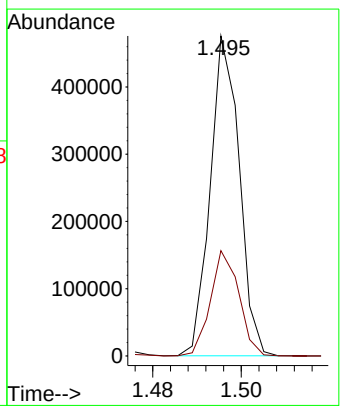
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

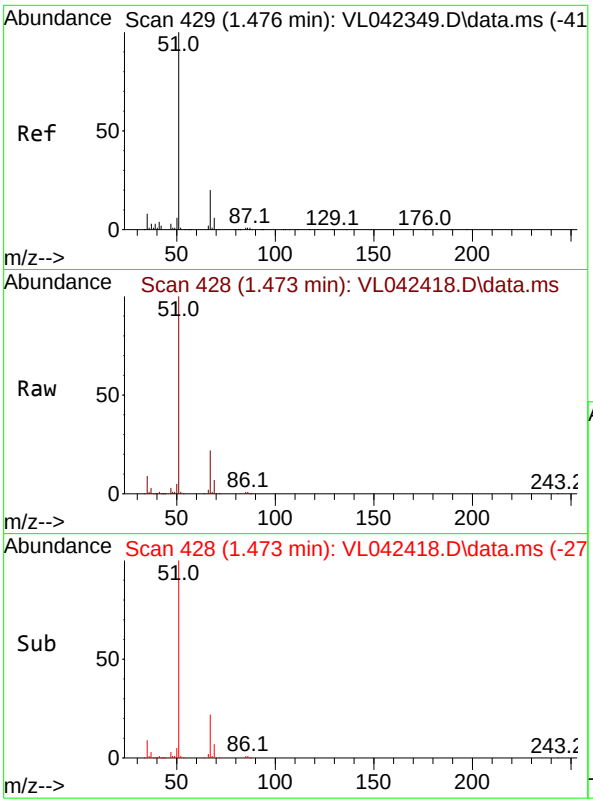


#2
Dichlorodifluoromethane
Concen: 10.025 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 85 Resp: 216893

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	39.8

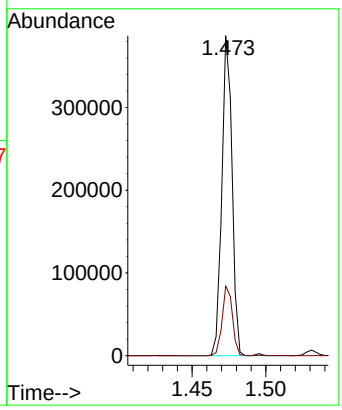




#3
Chlorodifluoromethane
Concen: 9.117 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 51 Resp: 18783

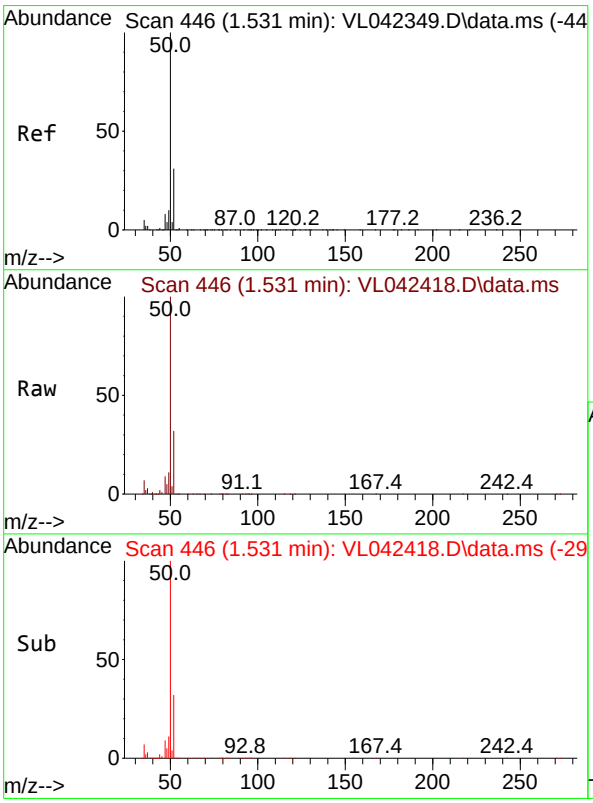
Ion	Ratio	Lower	Upper
51	100		
67	21.8	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
APPROVED

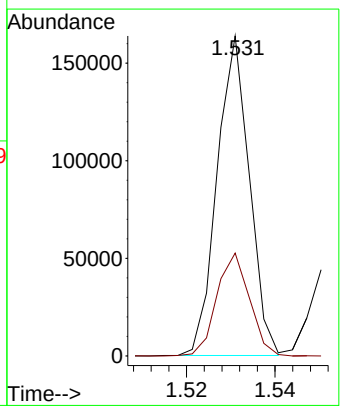
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

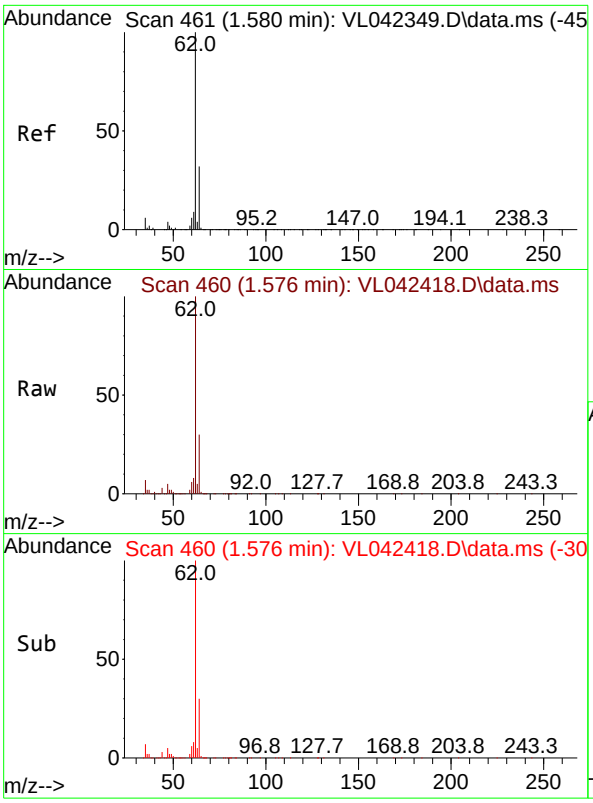


#4
Chloromethane
Concen: 9.692 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 50 Resp: 82976

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.7	37.1





#5
Vinyl Chloride
Concen: 8.746 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

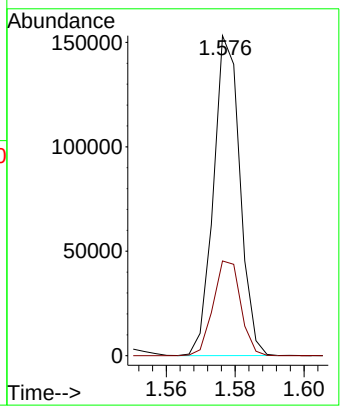
Tgt Ion: 62 Resp: 8150

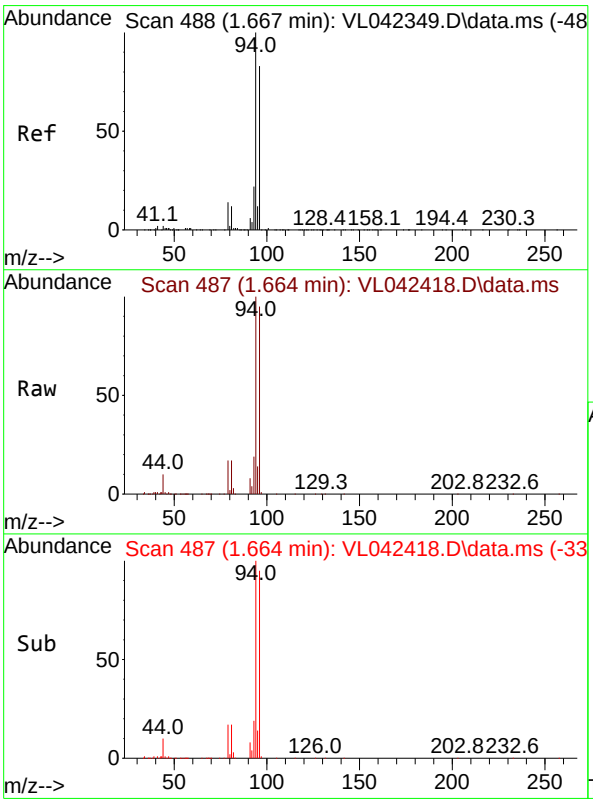
Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.4	38.0

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

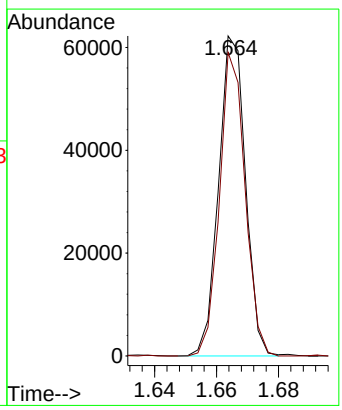


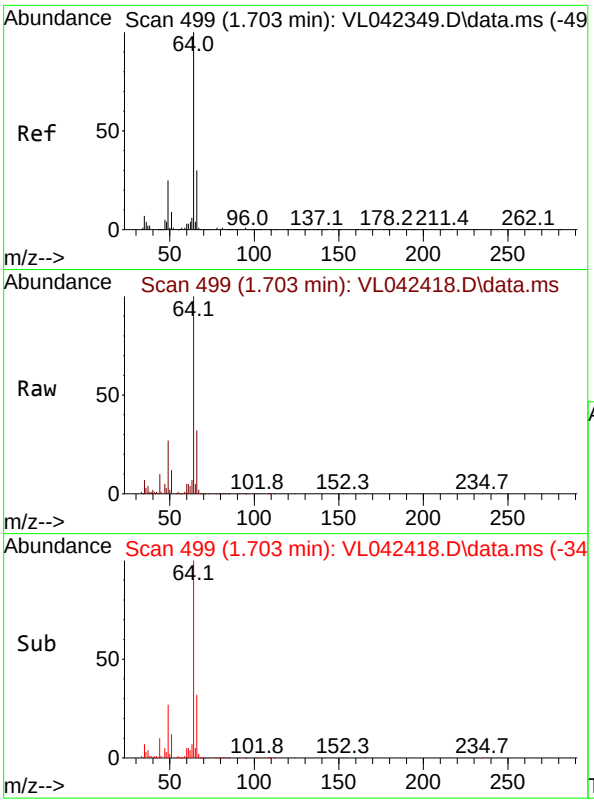


#6
Bromomethane
Concen: 9.379 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 94 Resp: 37549

Ion	Ratio	Lower	Upper
94	100		
96	94.8	66.2	99.2

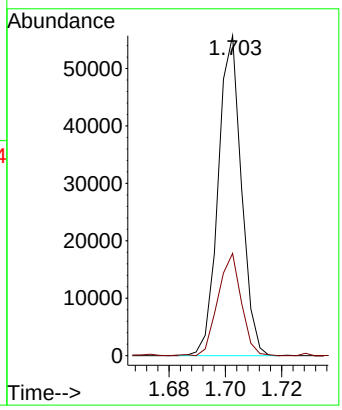




#7
Chloroethane
Concen: 9.472 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 64 Resp: 3192

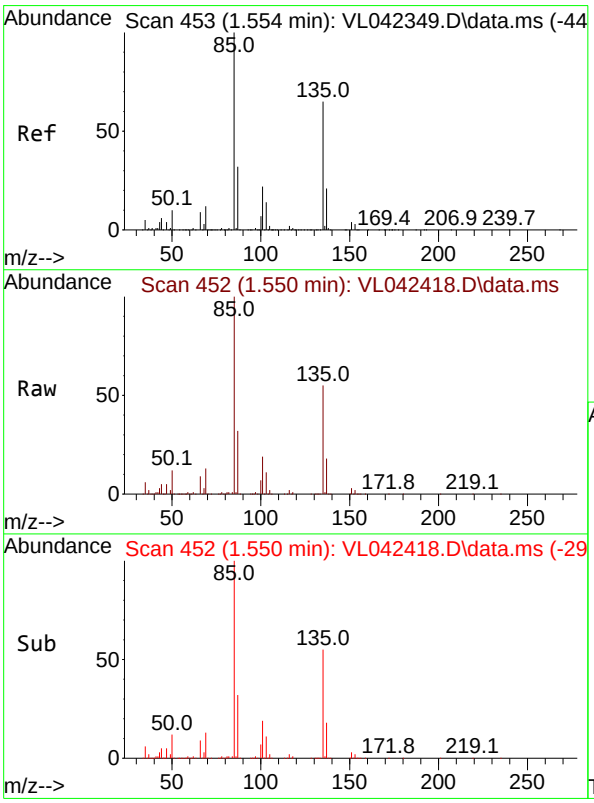
Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
APPROVED

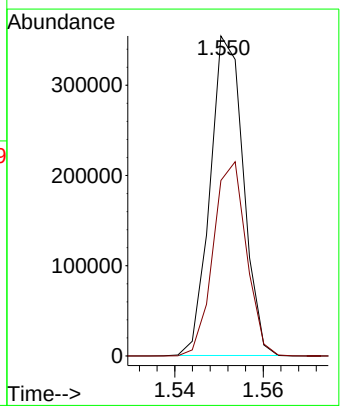
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

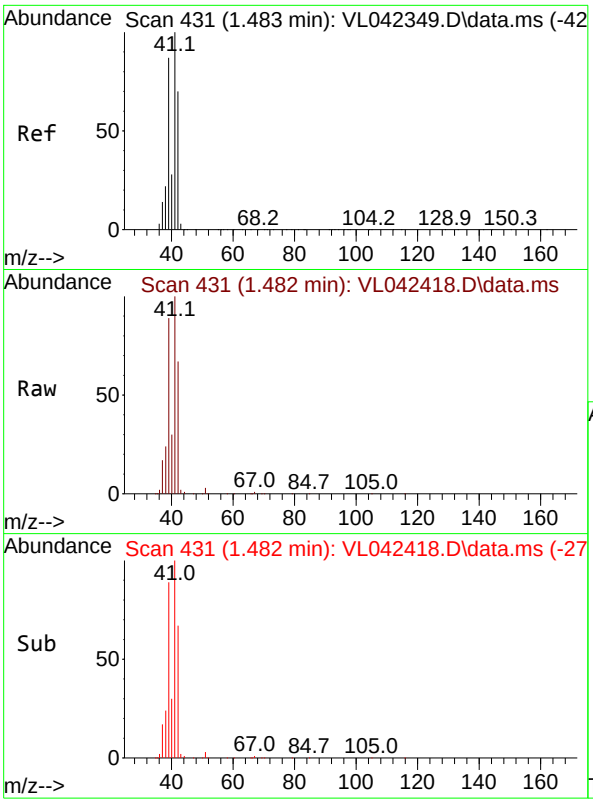


#8
Dichlorotetrafluoroethane
Concen: 9.952 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 85 Resp: 184850

Ion	Ratio	Lower	Upper
85	100		
135	60.9	52.2	78.2

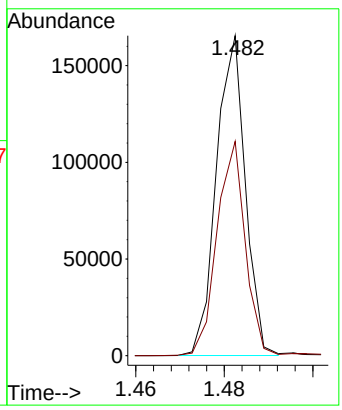




#9
Propene
Concen: 7.992 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 41 Resp: 7498

Ion	Ratio	Lower	Upper
41	100		
42	66.3	56.2	84.4



Instrument :
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ClientSampleId :
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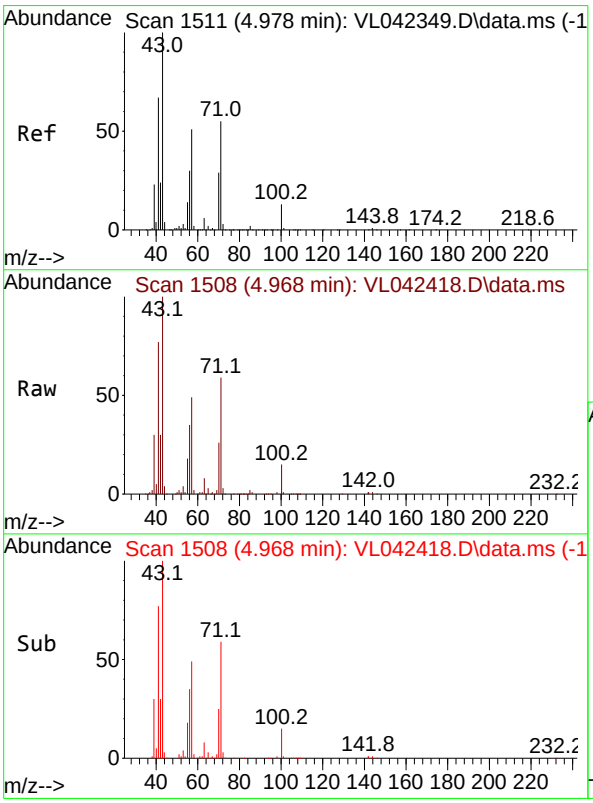
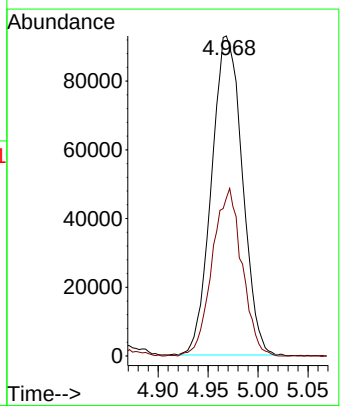
Supervised By :Mahesh Dadoda 04/30/2025

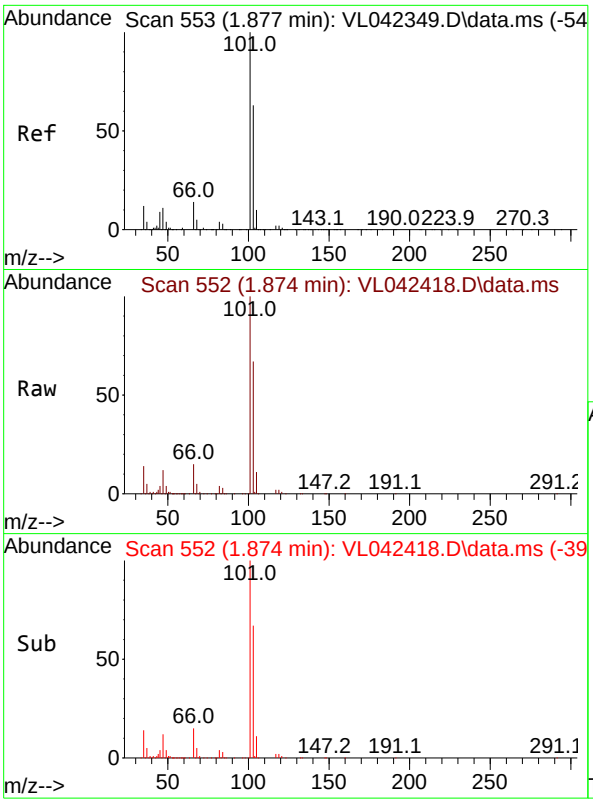


#10
Heptane
Concen: 7.565 ppbv
RT: 4.968 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 199403

Ion	Ratio	Lower	Upper
43	100		
57	50.6	39.9	59.9





#11
Trichlorofluoromethane
Concen: 10.004 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:101 Resp: 20581

Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.1	75.1

Instrument :
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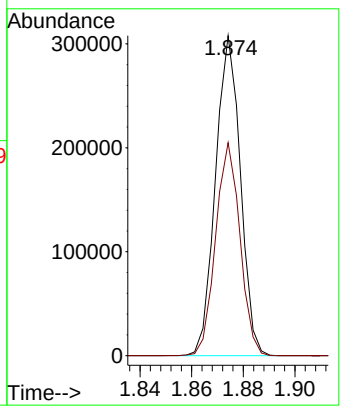
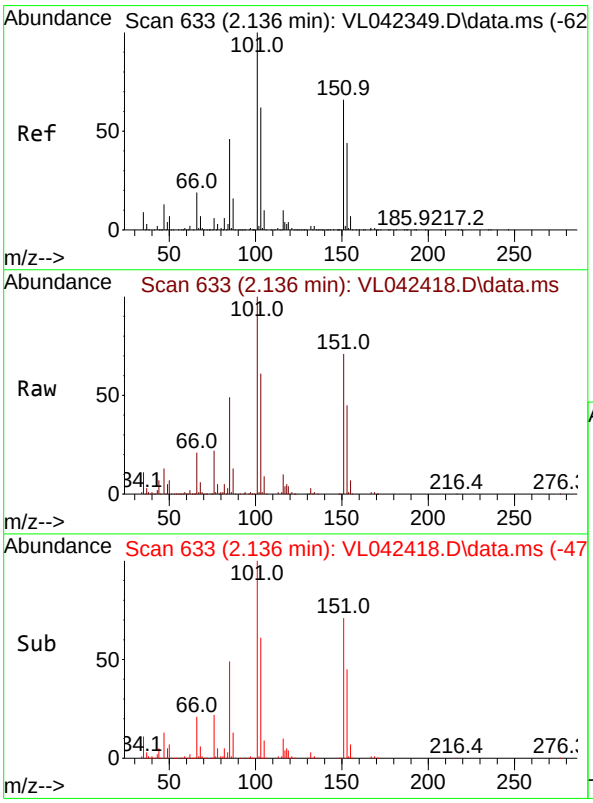
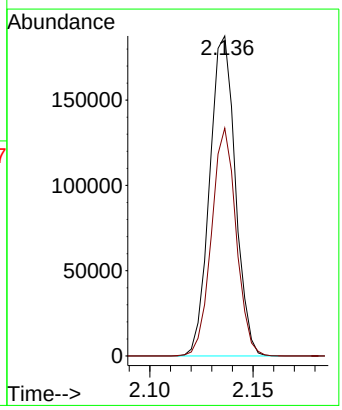


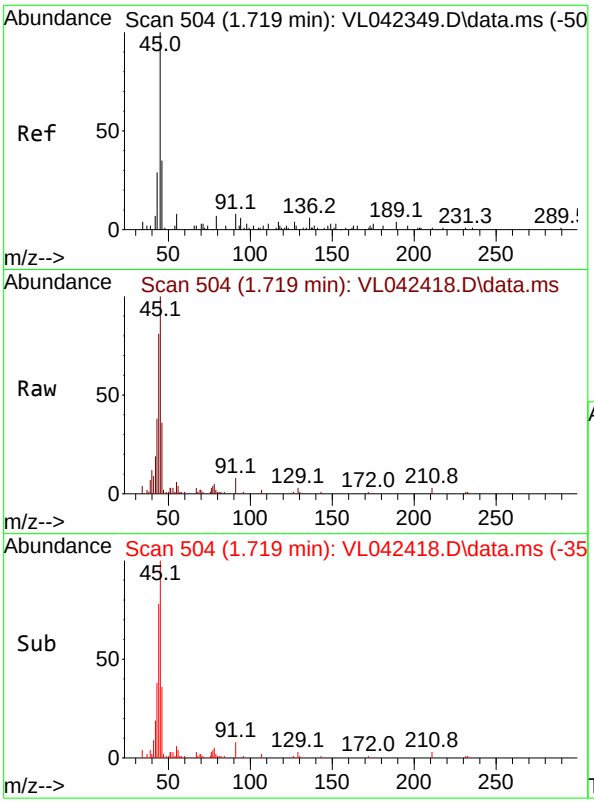


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.619 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:101 Resp: 161799

Ion	Ratio	Lower	Upper
101	100		
151	68.5	57.0	85.6

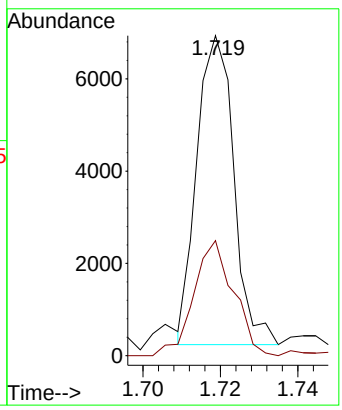




#13
Ethanol
Concen: 2.977 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 45 Resp: 443

Ion	Ratio	Lower	Upper
45	100		
46	41.4	21.9	87.7



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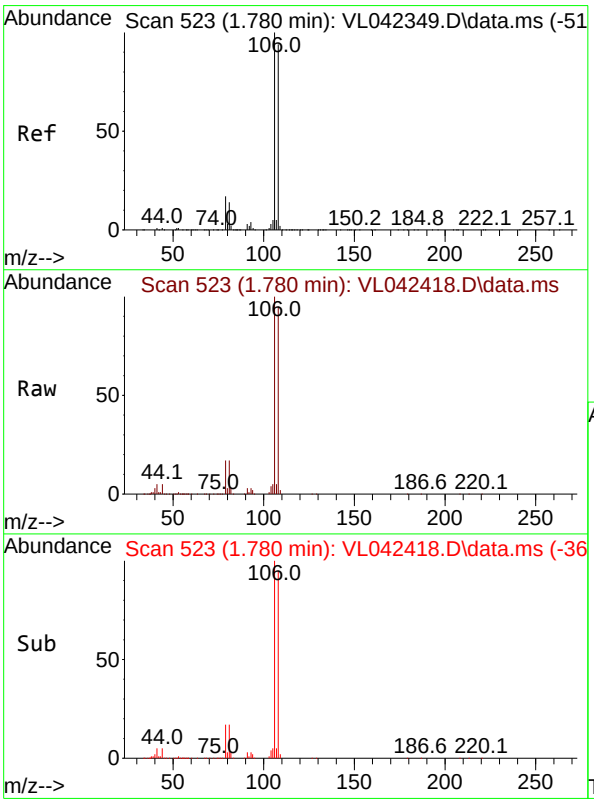
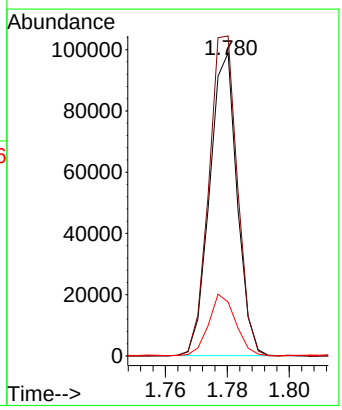
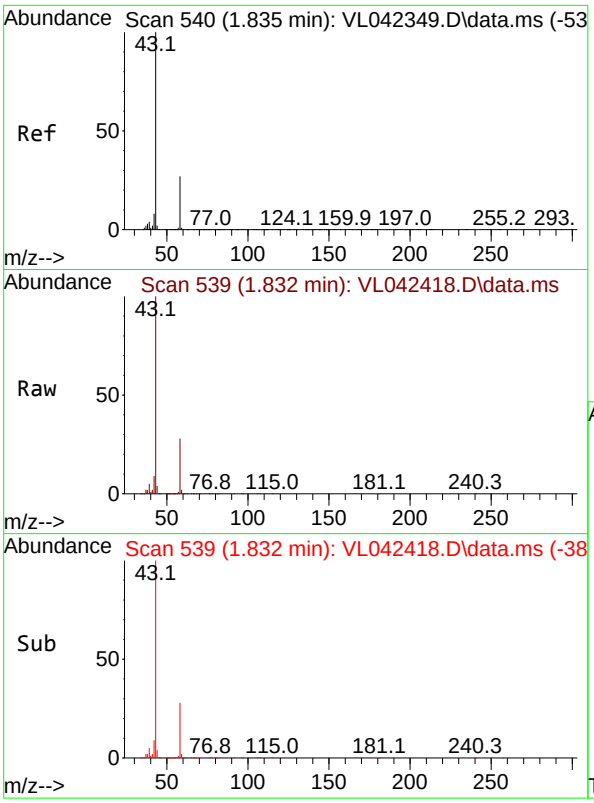


#14
Bromoethene
Concen: 9.581 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:108 Resp: 60748

Ion	Ratio	Lower	Upper
108	100		
106	110.0	85.9	128.9
79	20.2	13.9	20.9

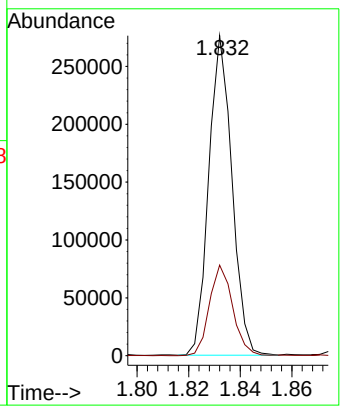




#15
Acetone
Concen: 8.613 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 17265

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.4	33.6



Instrument :
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ClientSampleId :
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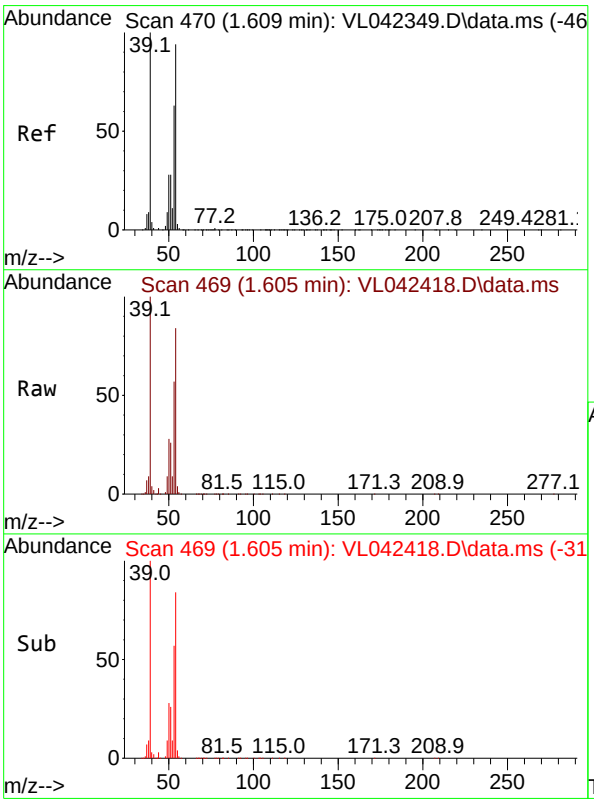
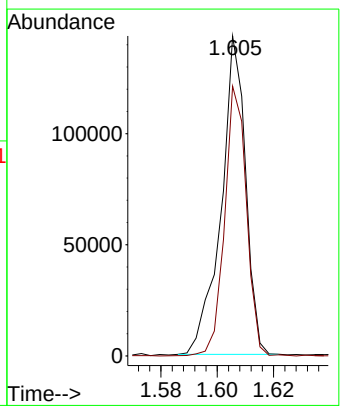
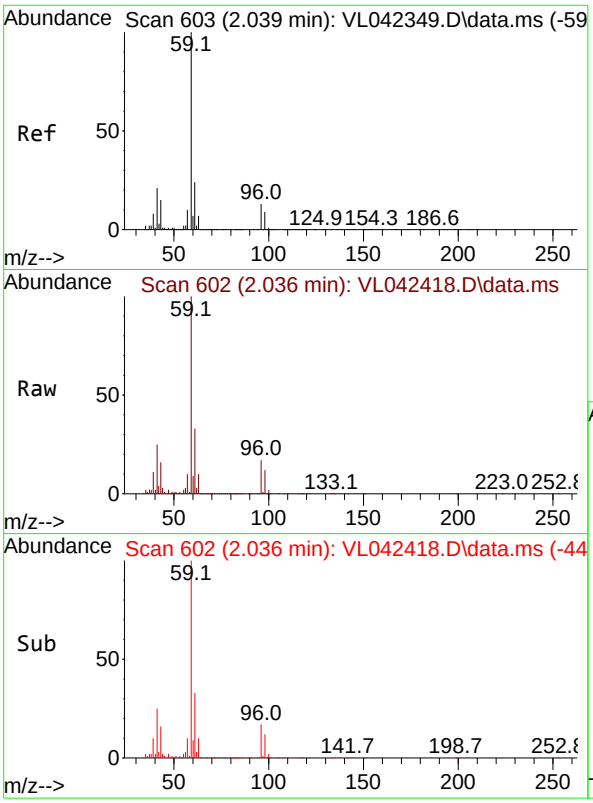


#16
1,3-Butadiene
Concen: 9.028 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 39 Resp: 86553

Ion	Ratio	Lower	Upper
39	100		
54	75.3	64.9	97.3

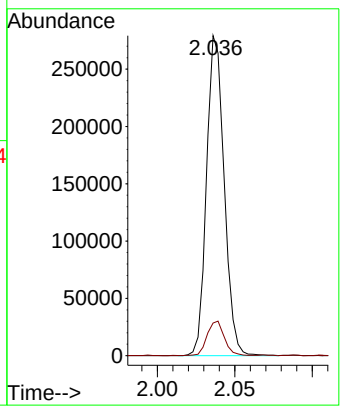




#17
tert-Butyl alcohol
Concen: 8.899 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 59 Resp: 22106

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1



Instrument :
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ClientSampleId :
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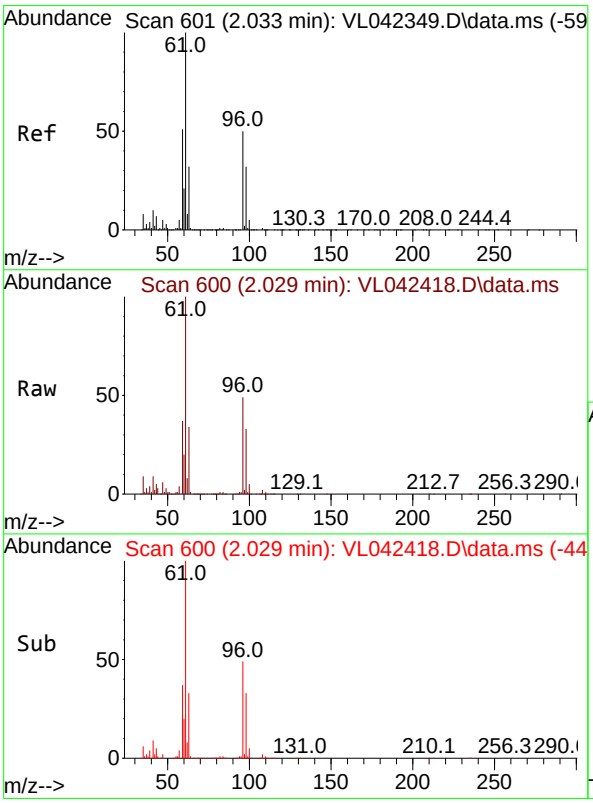
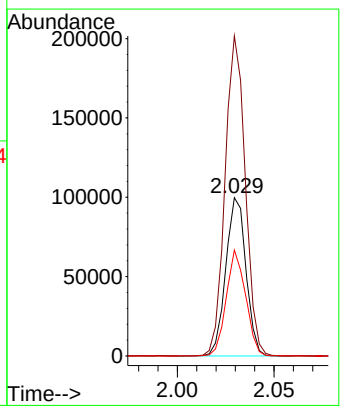
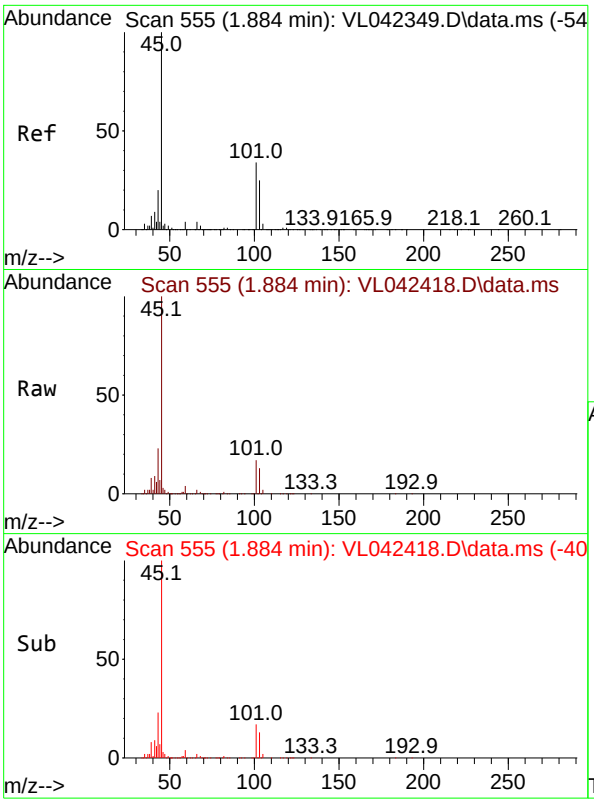


#18
1,1-Dichloroethene
Concen: 9.225 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 96 Resp: 72496

Ion	Ratio	Lower	Upper
96	100		
61	202.1	160.2	240.2
98	66.9	51.0	76.4

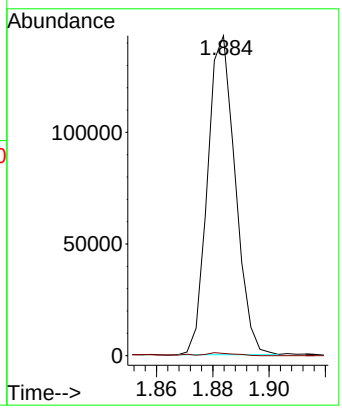




#19
Isopropyl Alcohol
Concen: 8.758 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 45 Resp: 9752

Ion	Ratio	Lower	Upper
45	100		
58	51.0	34.5	51.7



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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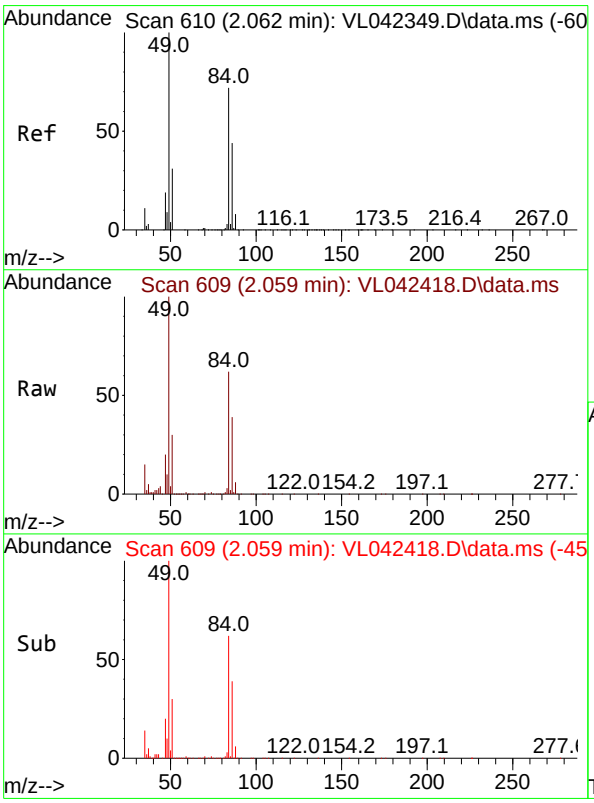
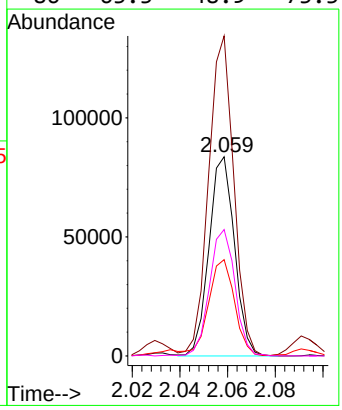
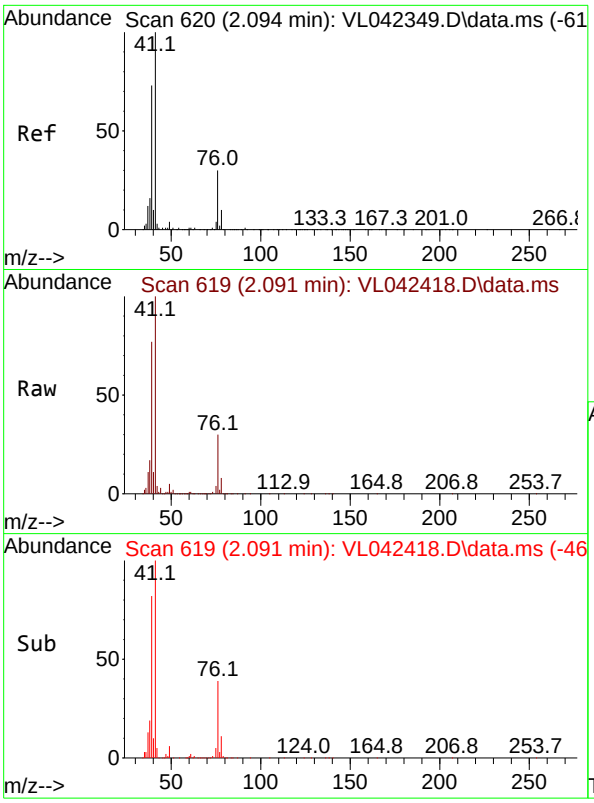


#20
Methylene Chloride
Concen: 7.920 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 84 Resp: 62175

Ion	Ratio	Lower	Upper
84	100		
49	159.9	111.6	167.4
51	47.8	35.1	52.7
86	63.3	48.9	73.3

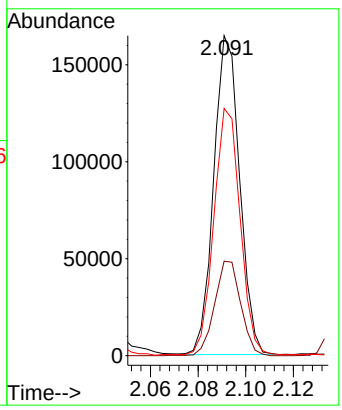




#21
Allyl Chloride
Concen: 8.964 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 41 Resp: 12405

Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.8	37.2
39	78.6	60.6	90.8



Instrument :
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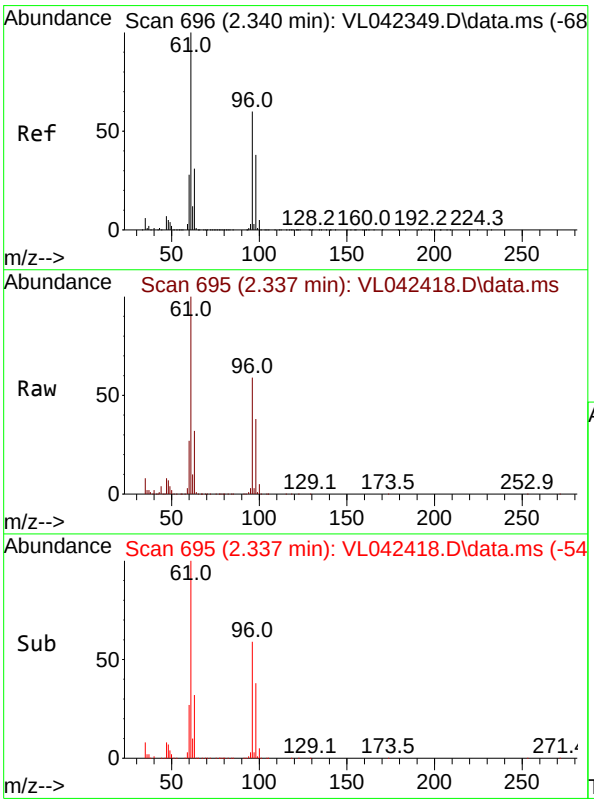
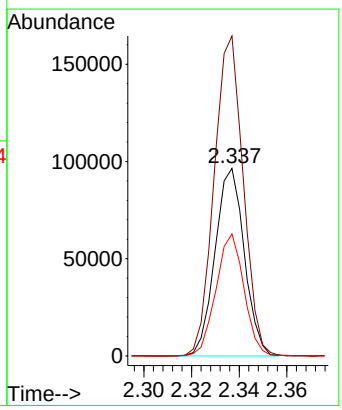
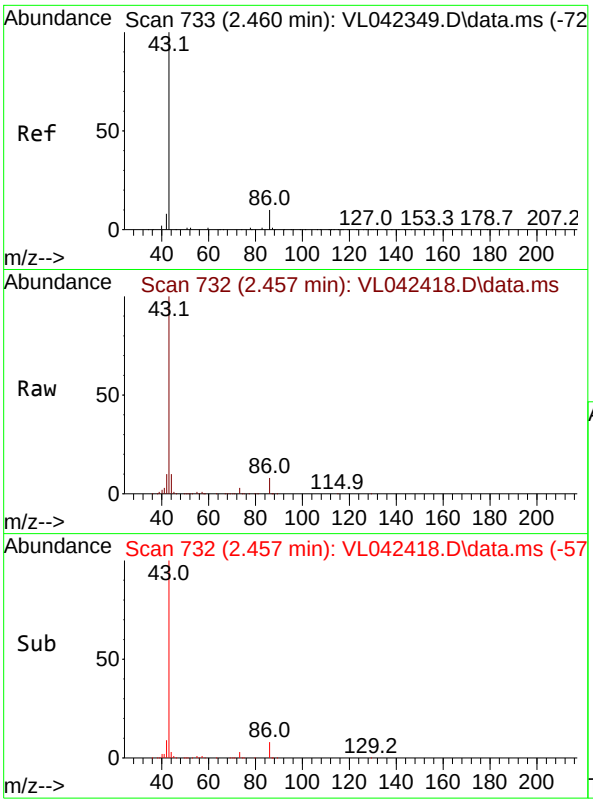


#22
trans-1,2-Dichloroethene
Concen: 9.184 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 96 Resp: 82175

Ion	Ratio	Lower	Upper
96	100		
61	170.5	133.7	200.5
98	65.0	50.3	75.5

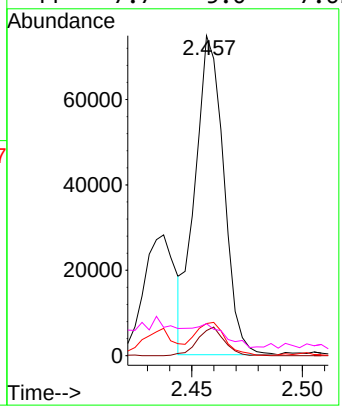




#23
Vinyl Acetate
Concen: 8.283 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 6720

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.5	9.7
42	9.8	7.8	11.8
44	7.7	5.0	7.6#



Instrument :
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ClientSampleId :
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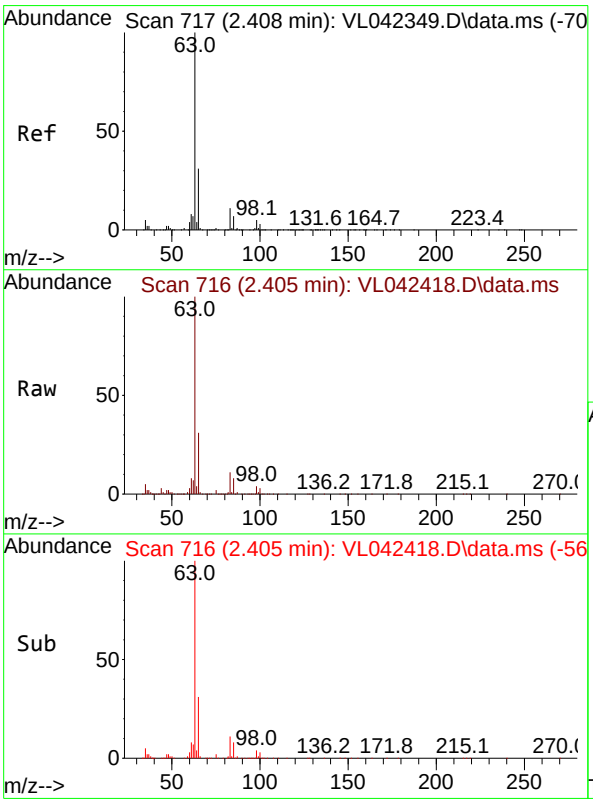
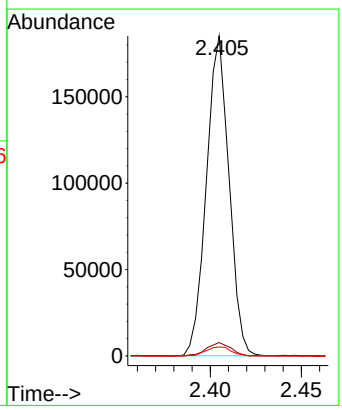
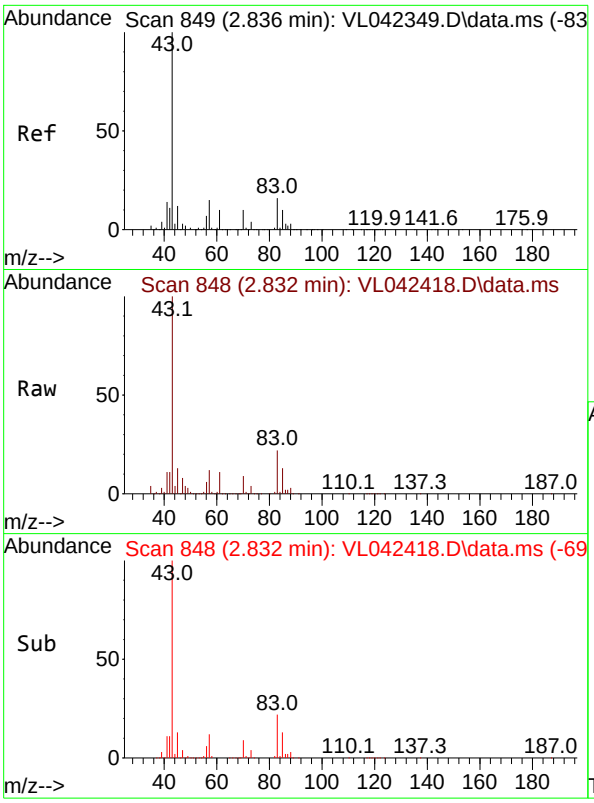


#24
1,1-Dichloroethane
Concen: 9.393 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 63 Resp: 159644

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.8	1.6	4.8

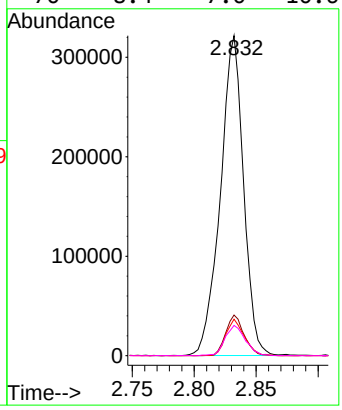




#25
Ethyl Acetate
Concen: 8.485 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 41937

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.1	7.3	10.9
70	8.4	7.0	10.6



Instrument :
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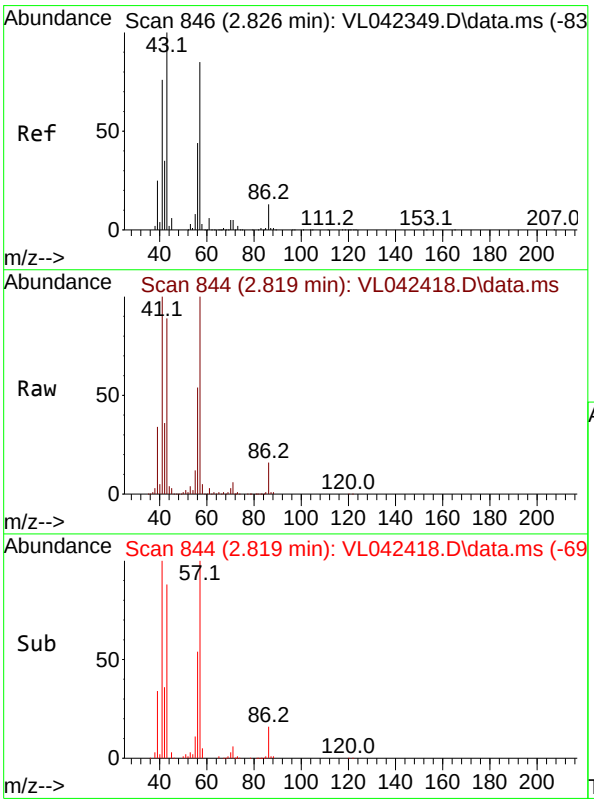
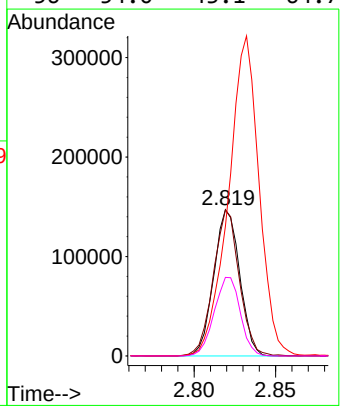
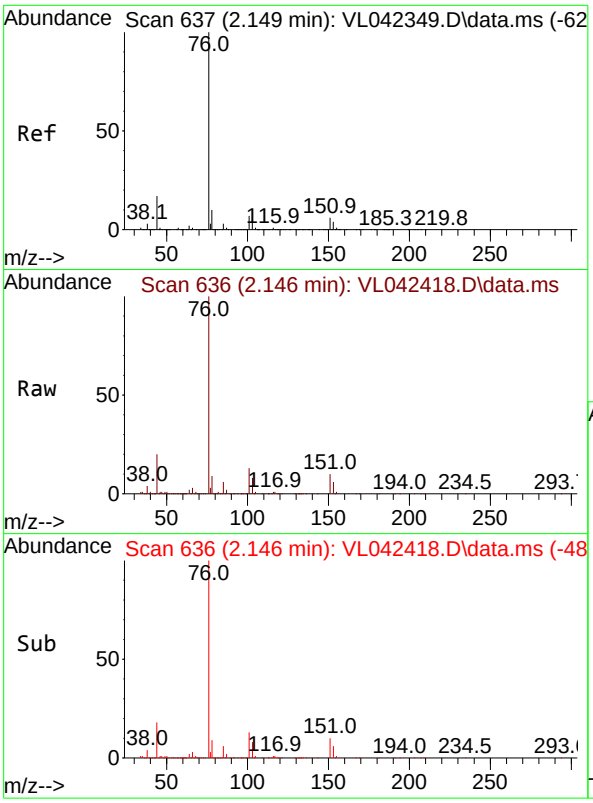


#26
Hexane
Concen: 8.112 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 57 Resp: 162255

Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.9	116.9
43	258.8	208.4	312.6
56	54.0	43.1	64.7

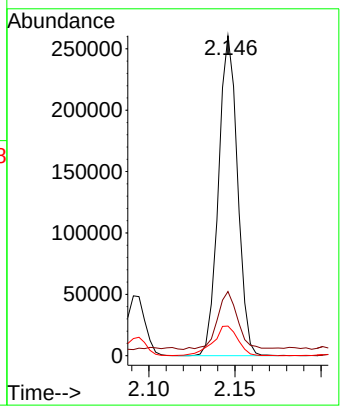




#27
Carbon Disulfide
Concen: 9.377 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 76 Resp: 20080

Ion	Ratio	Lower	Upper
76	100		
44	21.3	15.5	23.3
78	12.0	9.3	13.9



Instrument :
MSVOA_L
ClientSampleId :
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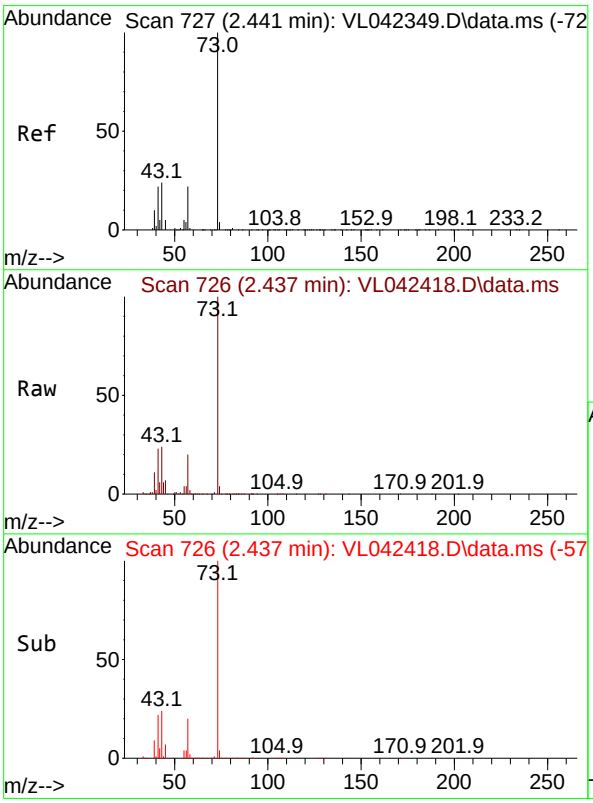
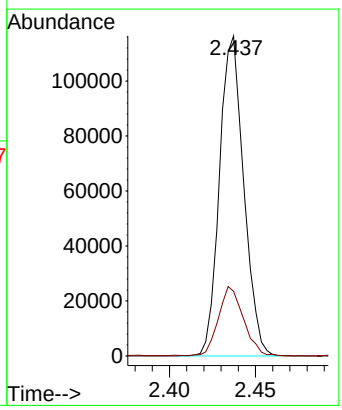
Supervised By :Mahesh Dadoda 04/30/2025

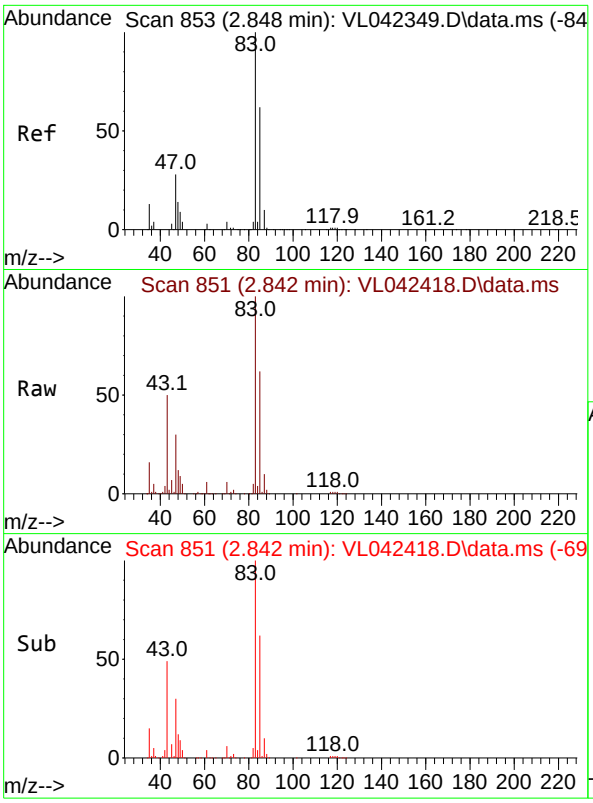


#28
Methyl tert-Butyl Ether
Concen: 8.718 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 73 Resp: 114239

Ion	Ratio	Lower	Upper
73	100		
57	22.6	21.3	31.9

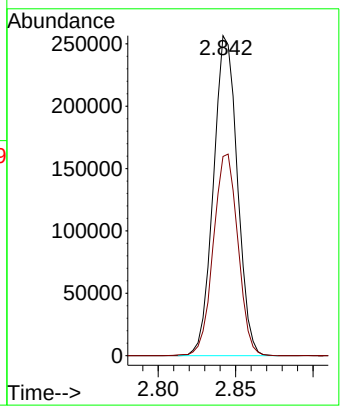




#29
Chloroform
Concen: 9.751 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 83 Resp: 27565

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.0	75.0



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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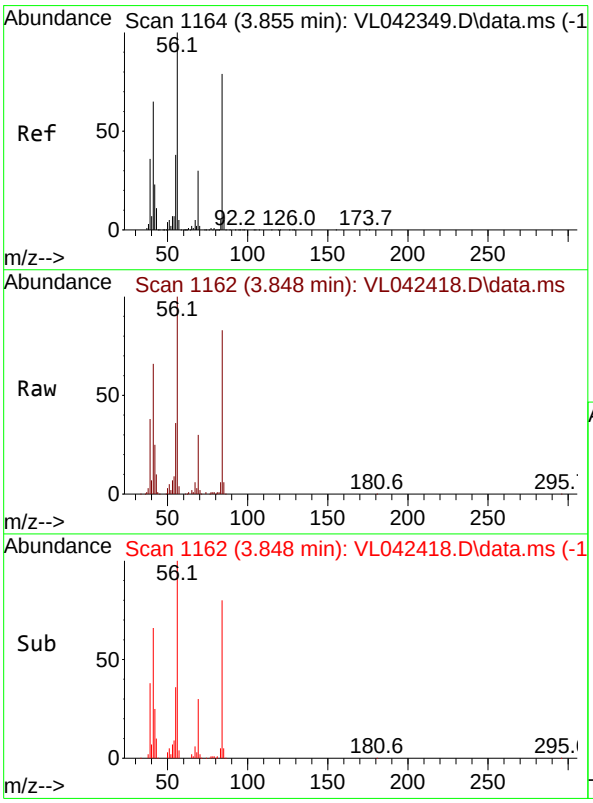
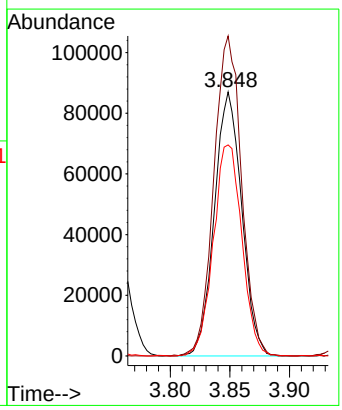
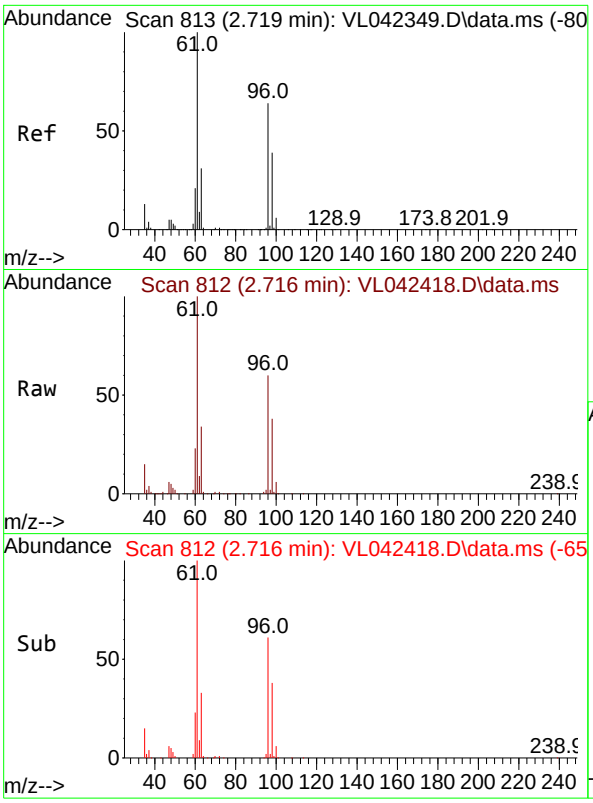


#30
Cyclohexane
Concen: 8.583 ppbv
RT: 3.848 min Scan# 1162
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 84 Resp: 138766

Ion	Ratio	Lower	Upper
84	100		
56	122.9	101.0	151.4
41	83.5	67.4	101.0

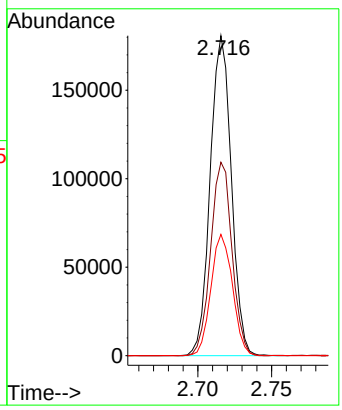




#31
cis-1,2-Dichloroethene
Concen: 9.464 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 61 Resp: 17996

Ion	Ratio	Lower	Upper
61	100		
96	60.5	50.8	76.2
98	37.9	30.9	46.3



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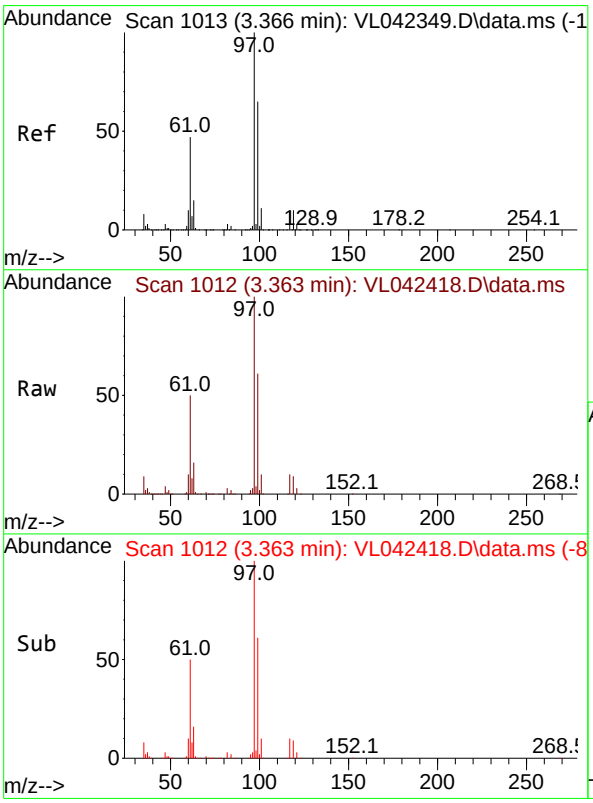
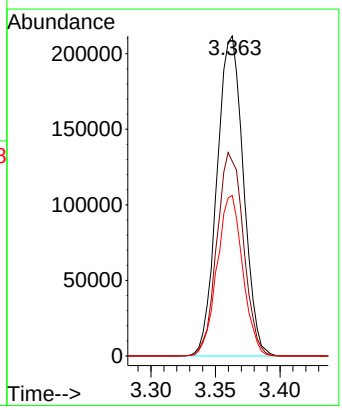
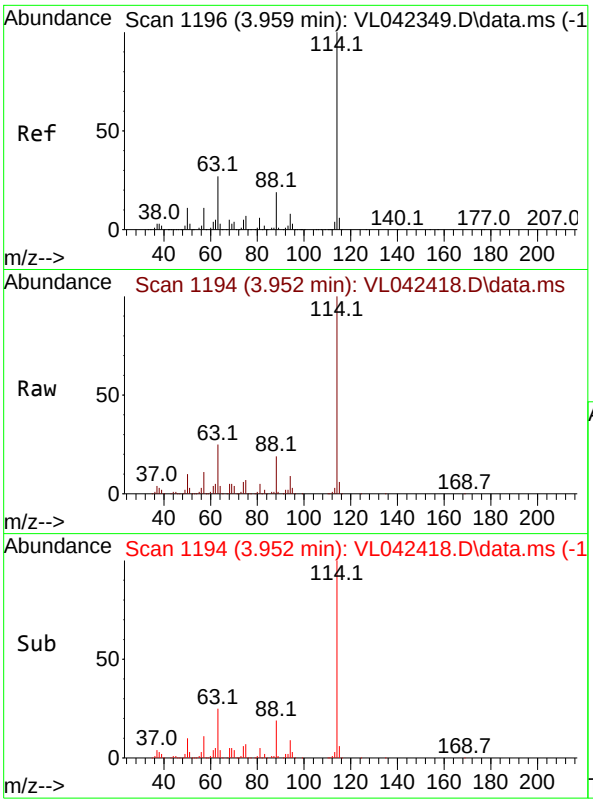


#32
1,1,1-Trichloroethane
Concen: 9.469 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 97 Resp: 301358

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	48.9	38.8	58.2

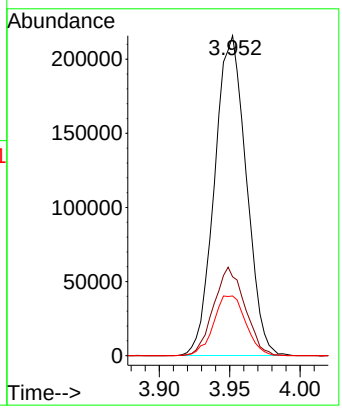




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:114 Resp: 33720

Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.8	32.6
88	19.2	15.5	23.3



Instrument :
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ClientSampleId :
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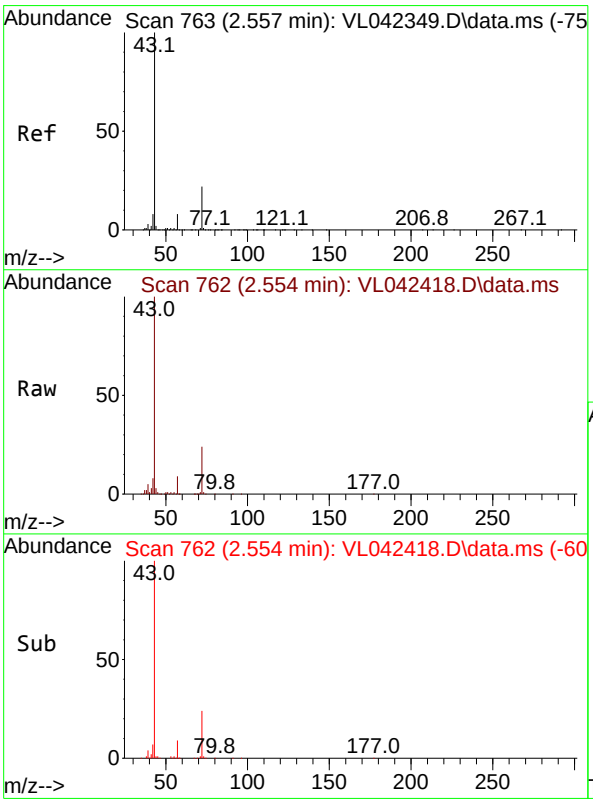
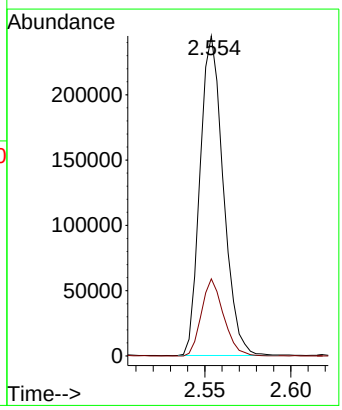
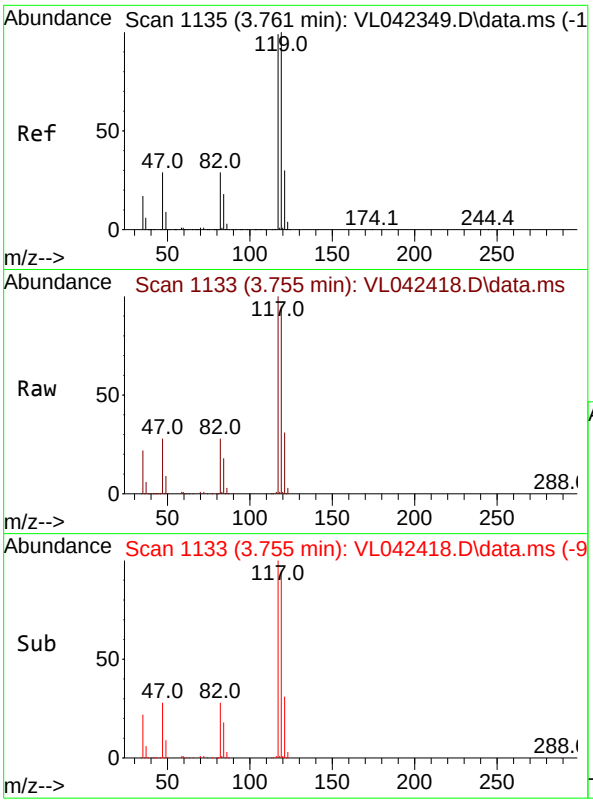


#34
2-Butanone
Concen: 8.628 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 230104

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.2	27.2

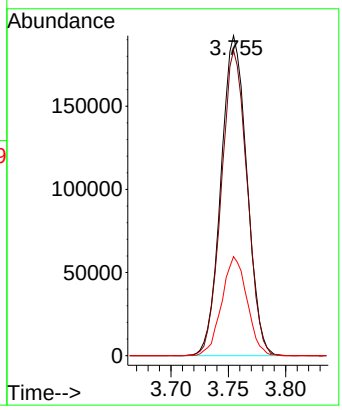




#35
Carbon Tetrachloride
Concen: 9.906 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:117 Resp: 30229

Ion	Ratio	Lower	Upper
117	100		
119	95.4	80.5	120.7
121	30.9	24.2	36.2



Instrument :
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ClientSampleId :
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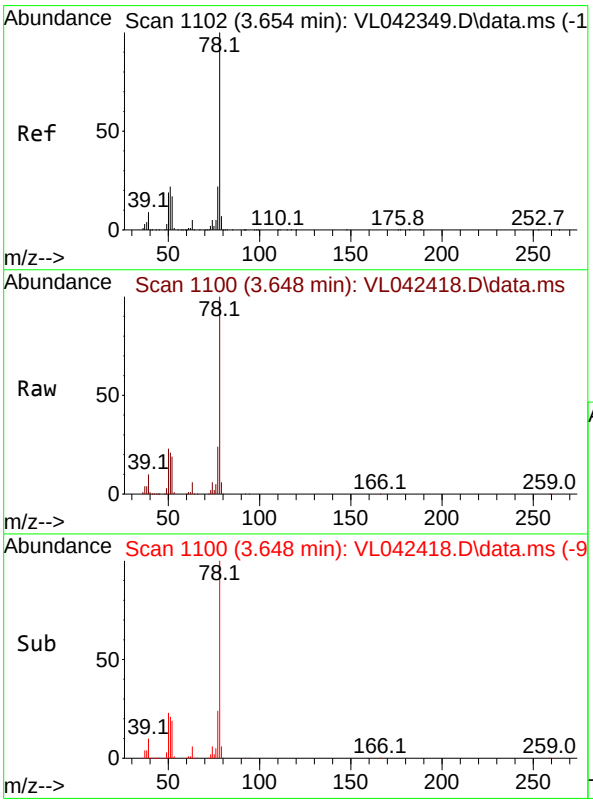
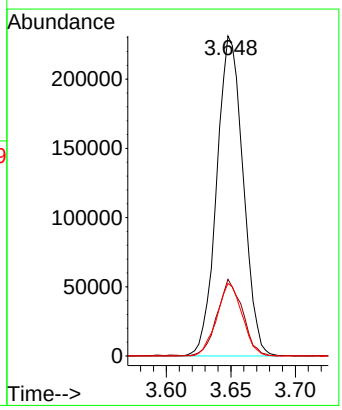
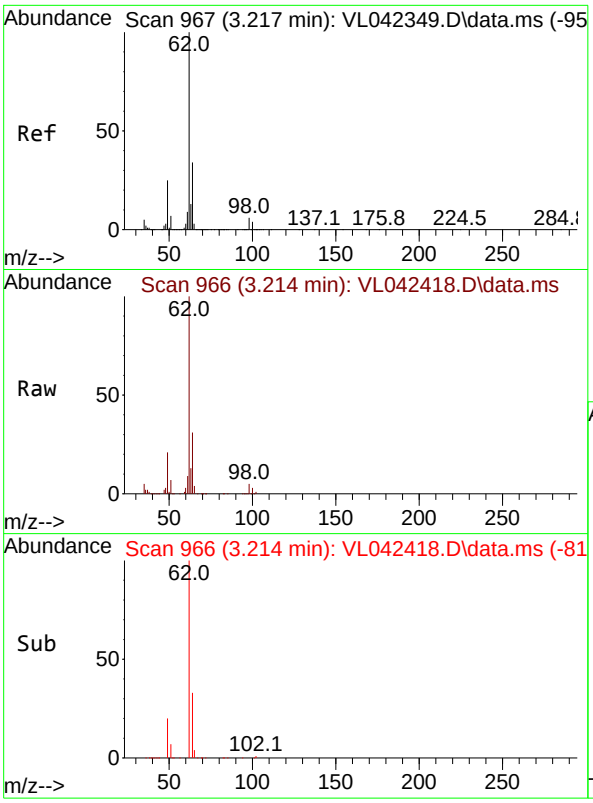


#36
Benzene
Concen: 9.049 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 78 Resp: 329117

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.4	26.0
50	22.7	15.5	23.3

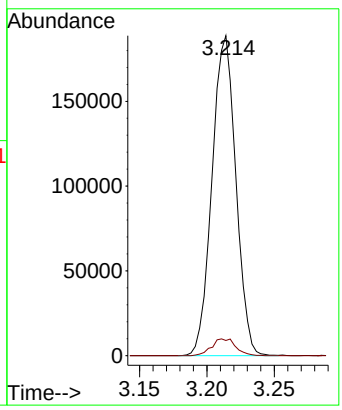




#37
1,2-Dichloroethane
Concen: 10.641 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 62 Resp: 23227

Ion	Ratio	Lower	Upper
62	100		
98	5.4	5.1	7.7



Instrument :
MSVOA_L
ClientSampleId :
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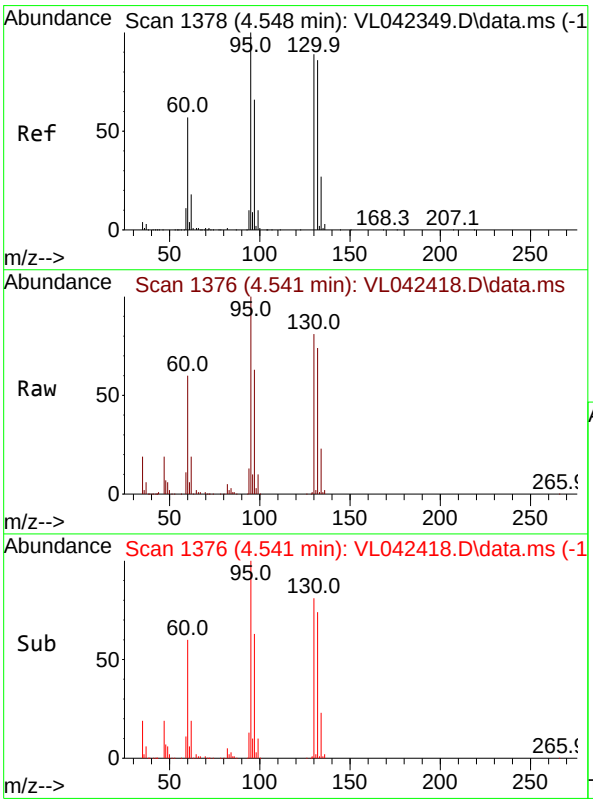
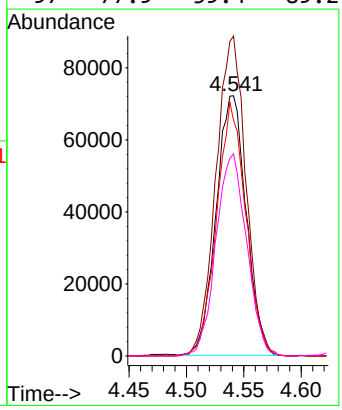
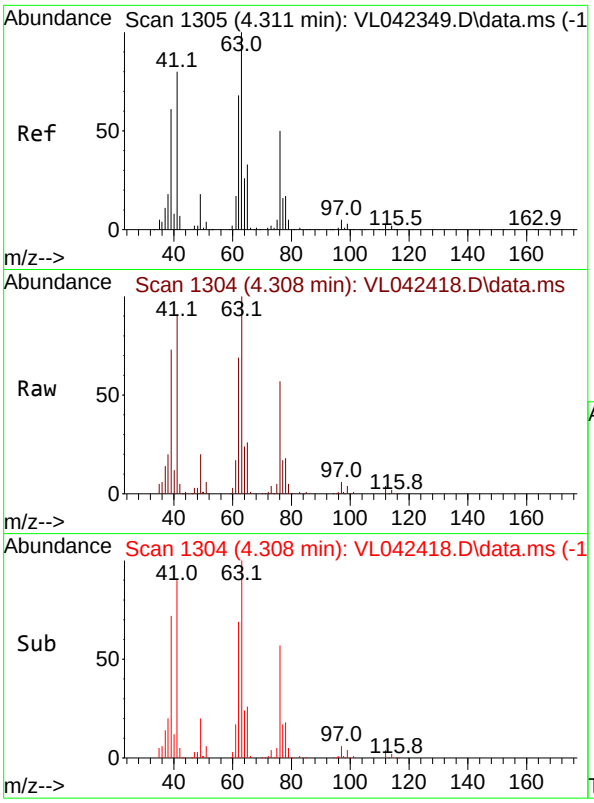


#38
Trichloroethene
Concen: 8.252 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:130 Resp: 131178

Ion	Ratio	Lower	Upper
130	100		
95	123.1	89.8	134.6
132	90.7	77.7	116.5
97	77.9	59.4	89.2

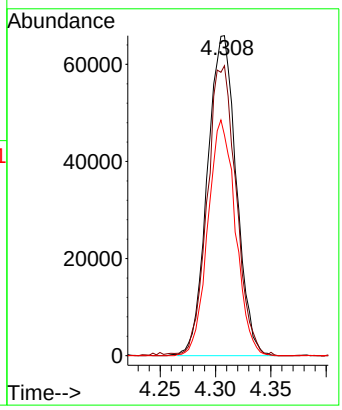




#39
1,2-Dichloropropane
Concen: 8.831 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 63 Resp: 11969

Ion	Ratio	Lower	Upper
63	100		
41	90.6	64.2	96.2
62	69.0	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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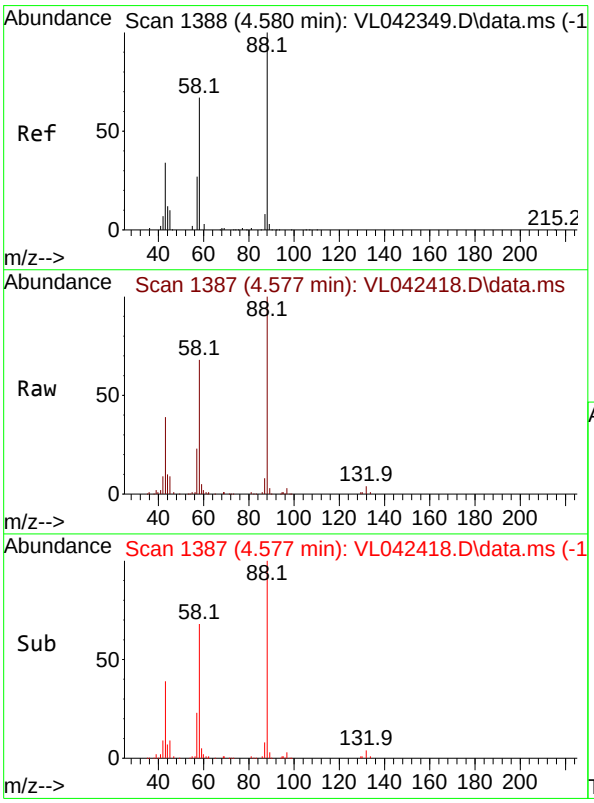
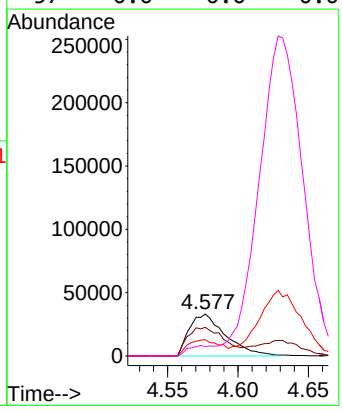
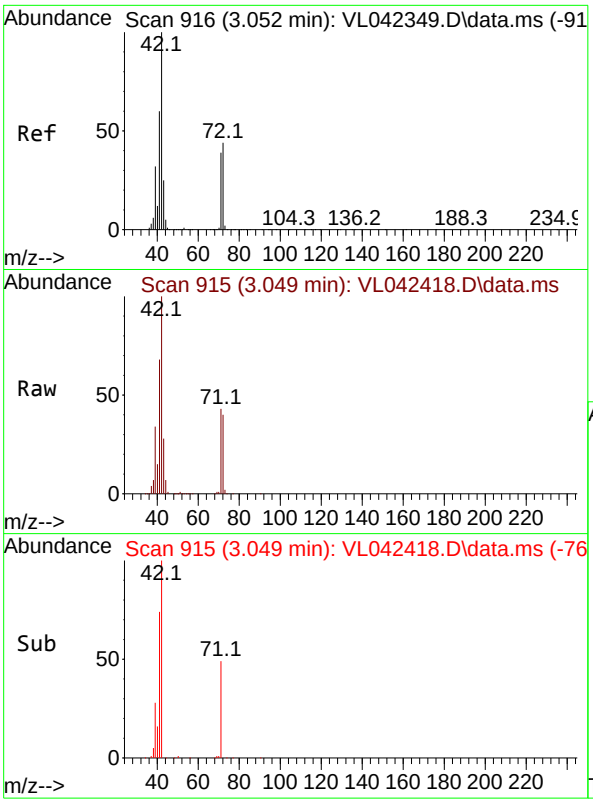


#40
1,4-Dioxane
Concen: 8.010 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 88 Resp: 59666

Ion	Ratio	Lower	Upper
88	100		
58	71.2	61.4	92.0
43	37.7	23.2	34.8#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.428 ppbv
RT: 3.049 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 42 Resp: 13104

Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.3	48.5
71	38.3	31.4	47.2

Instrument :
MSVOA_L
ClientSampleId :
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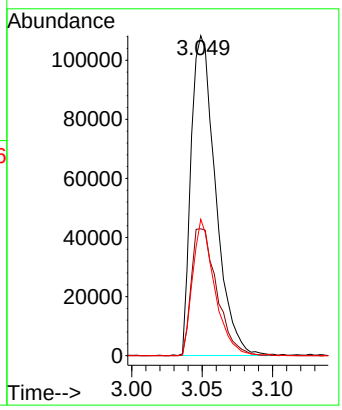
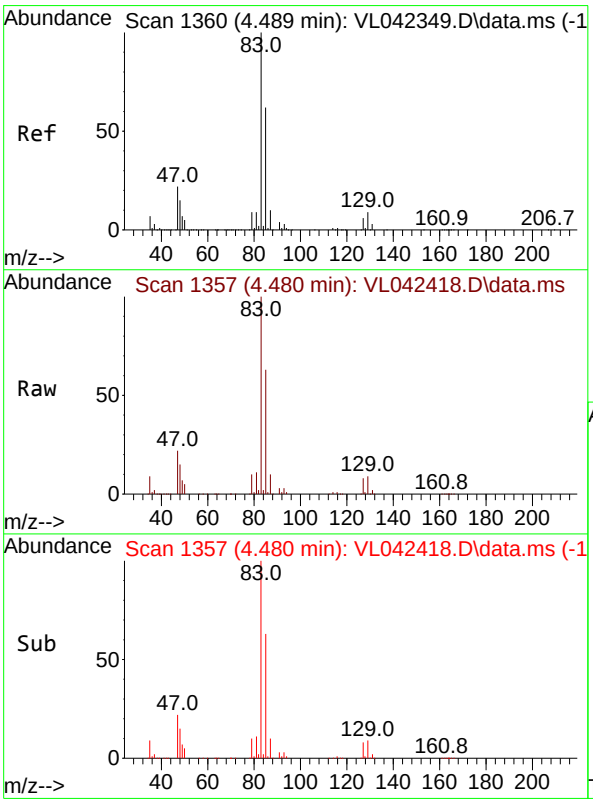
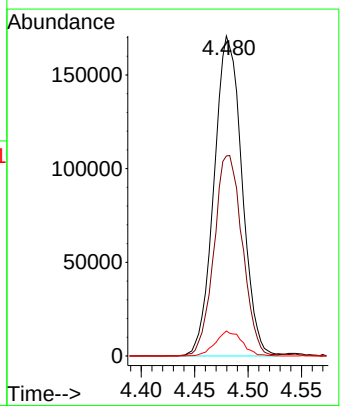


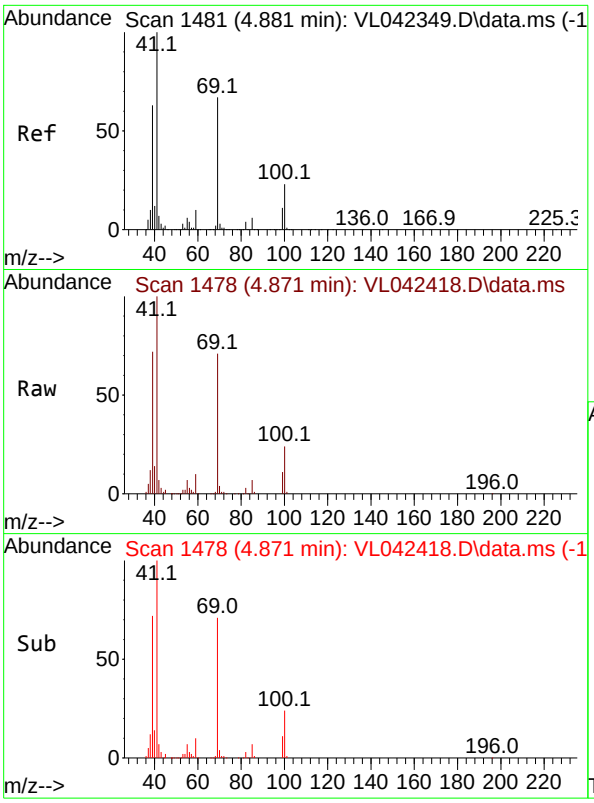


#42
Bromodichloromethane
Concen: 10.222 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 83 Resp: 310553

Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.7	74.5
127	7.8	5.1	7.7#

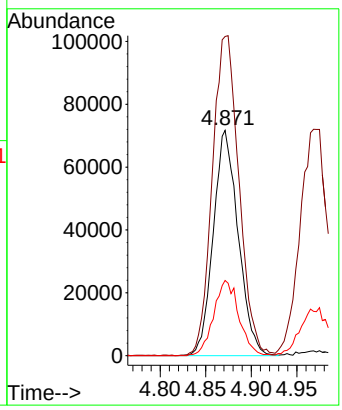




#43
Methyl Methacrylate
Concen: 8.312 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 69 Resp: 13624

Ion	Ratio	Lower	Upper
69	100		
41	151.8	118.6	177.8
100	33.8	28.2	42.2



Instrument :
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ClientSampleId :
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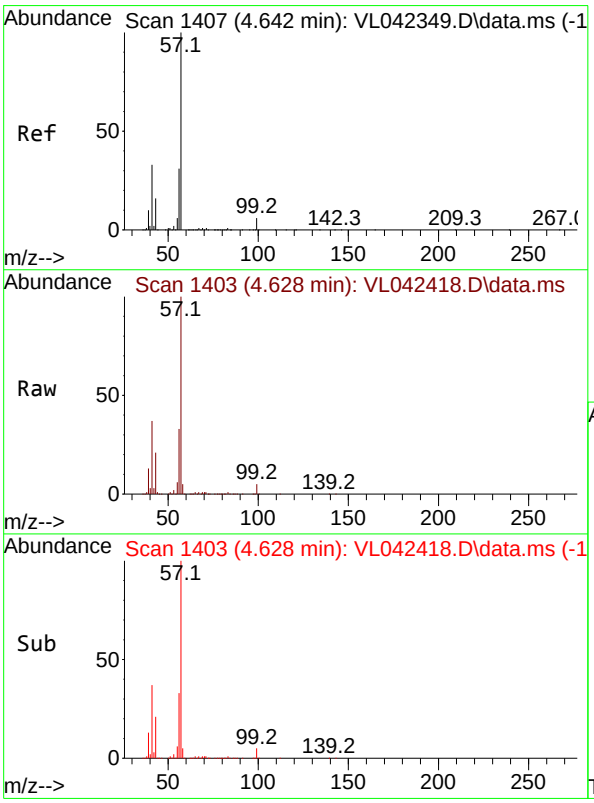
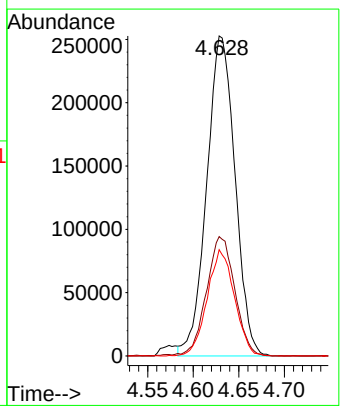
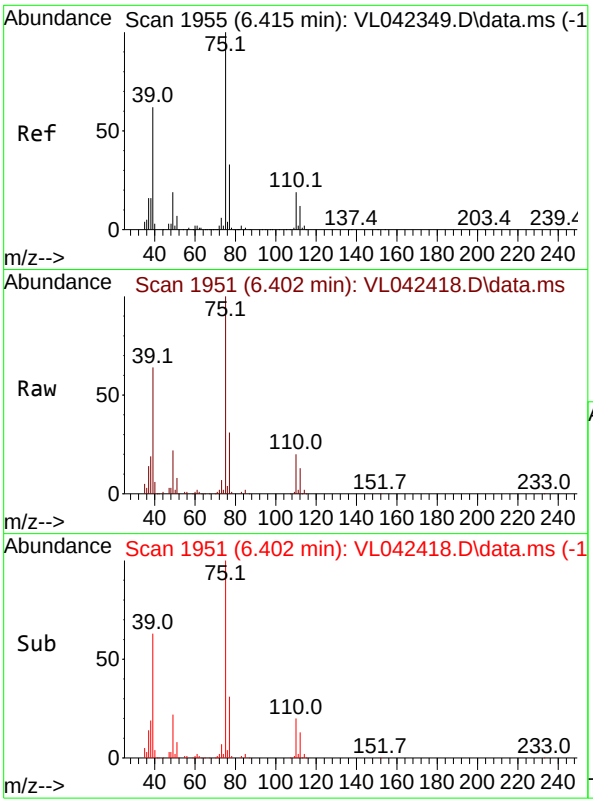


#44
2,2,4-Trimethylpentane
Concen: 8.707 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 57 Resp: 546967

Ion	Ratio	Lower	Upper
57	100		
41	37.6	27.2	40.8
56	31.9	25.7	38.5

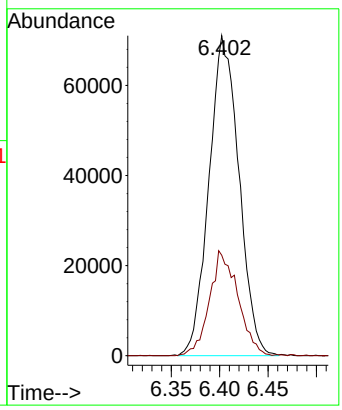




#45
t-1,3-Dichloropropene
Concen: 9.133 ppbv
RT: 6.402 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 75 Resp: 15293

Ion	Ratio	Lower	Upper
75	100		
77	31.4	27.0	40.6



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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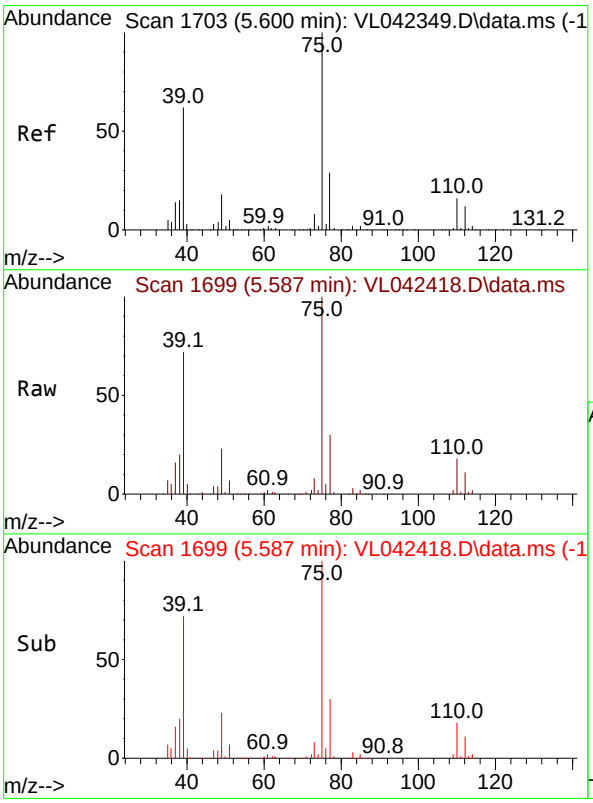
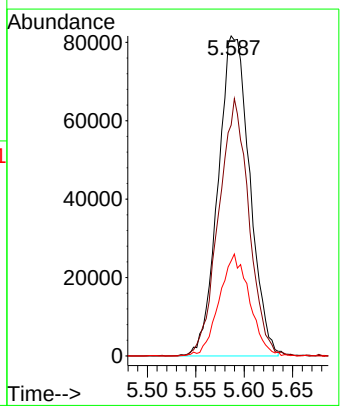
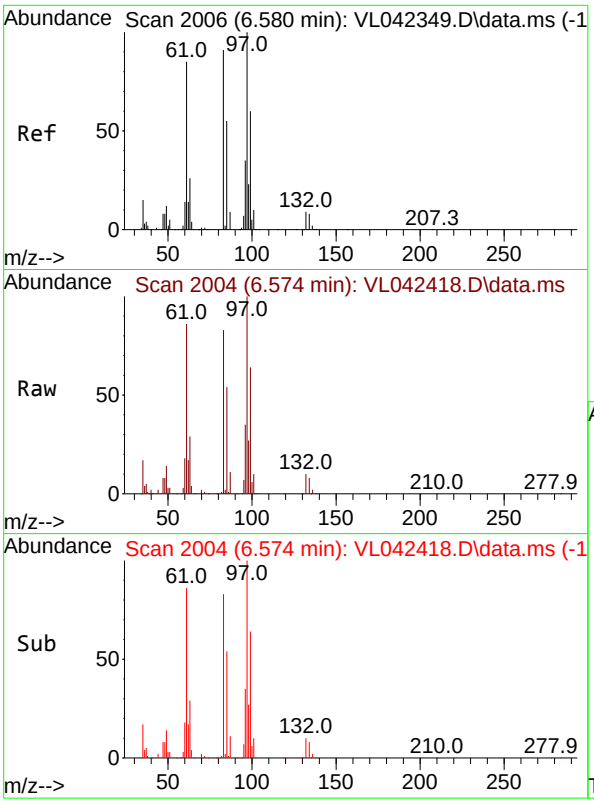


#46
cis-1,3-Dichloropropene
Concen: 9.055 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 75 Resp: 185557

Ion	Ratio	Lower	Upper
75	100		
39	72.0	50.0	75.0
77	29.7	23.0	34.6

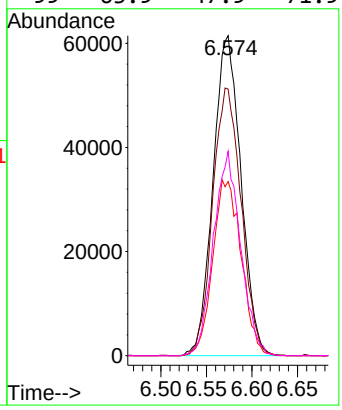




#47
1,1,2-Trichloroethane
Concen: 9.474 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 97 Resp: 13082

Ion	Ratio	Lower	Upper
97	100		
83	83.3	72.8	109.2
85	54.4	44.2	66.4
99	63.9	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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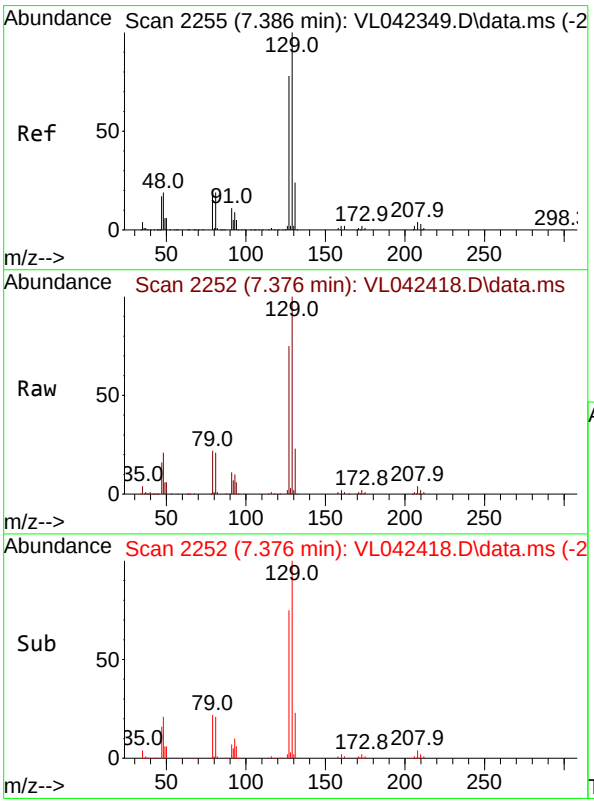
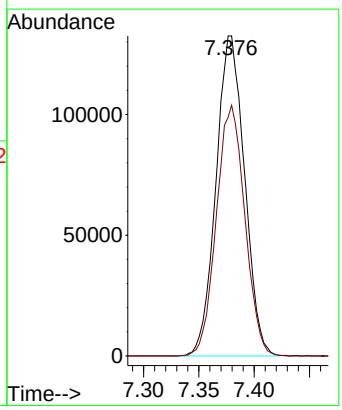
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

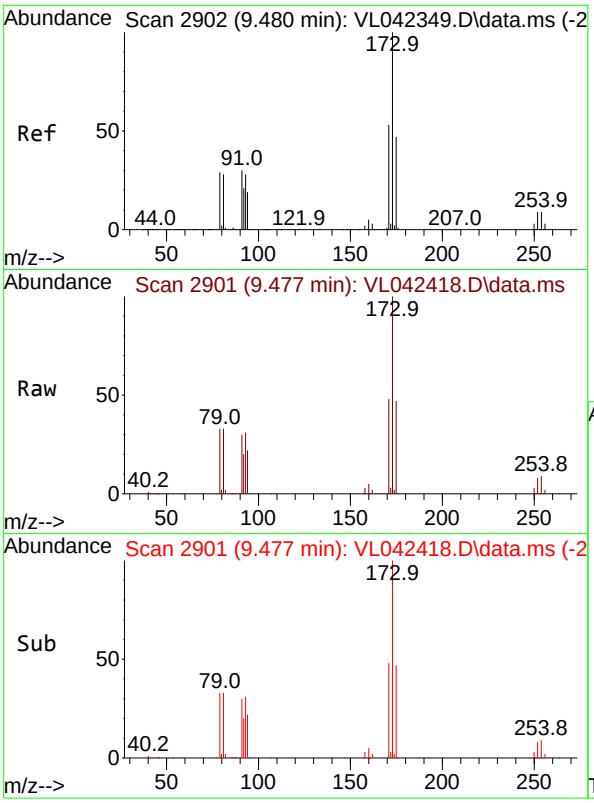


#48
Dibromochloromethane
Concen: 9.753 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:129 Resp: 237927

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3

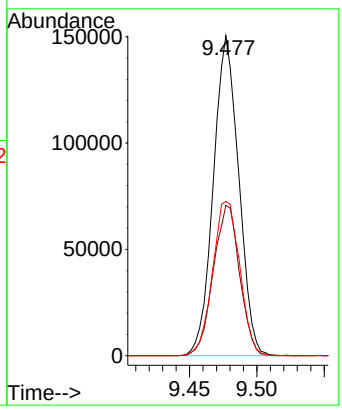




#49
Bromoform
Concen: 9.229 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:173 Resp: 19687

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.2	57.2
171	51.7	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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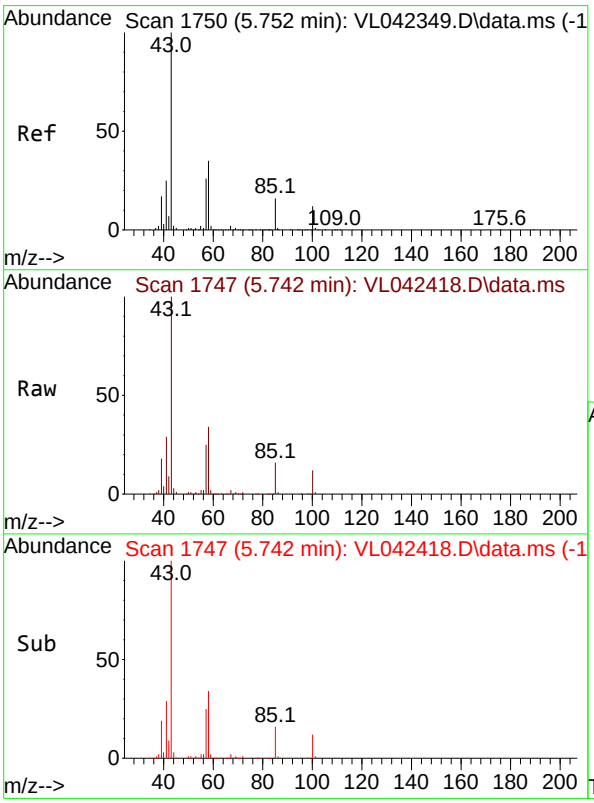
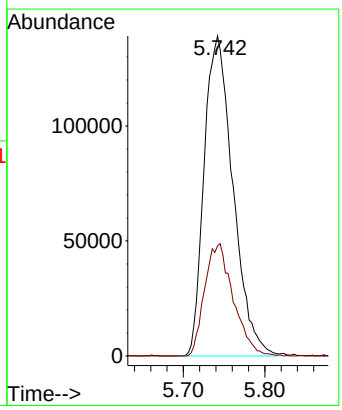
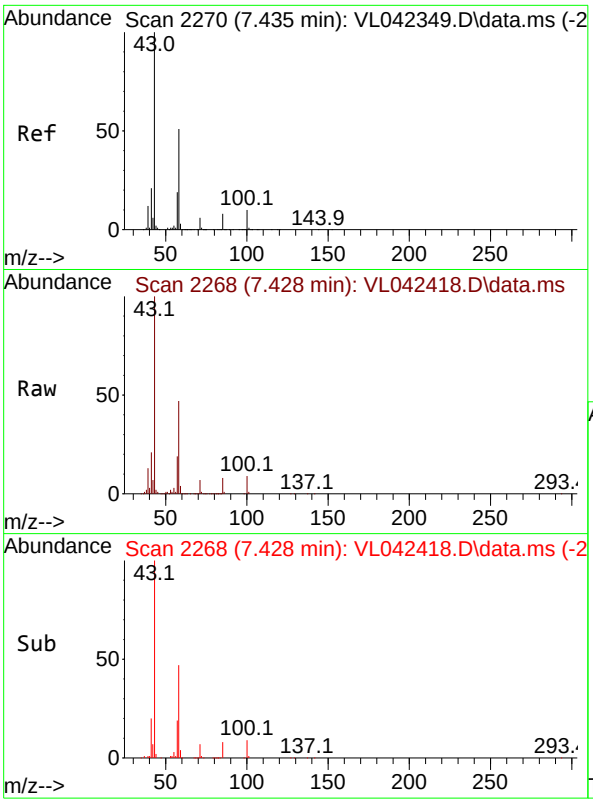


#50
4-Methyl-2-Pentanone
Concen: 7.726 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 342379

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	43.0

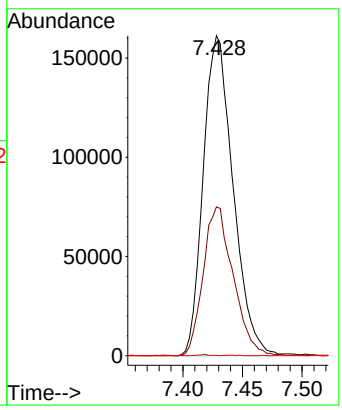




#51
2-Hexanone
Concen: 7.060 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 28058

Ion	Ratio	Lower	Upper
43	100		
58	46.8	40.2	60.4
98	0.2	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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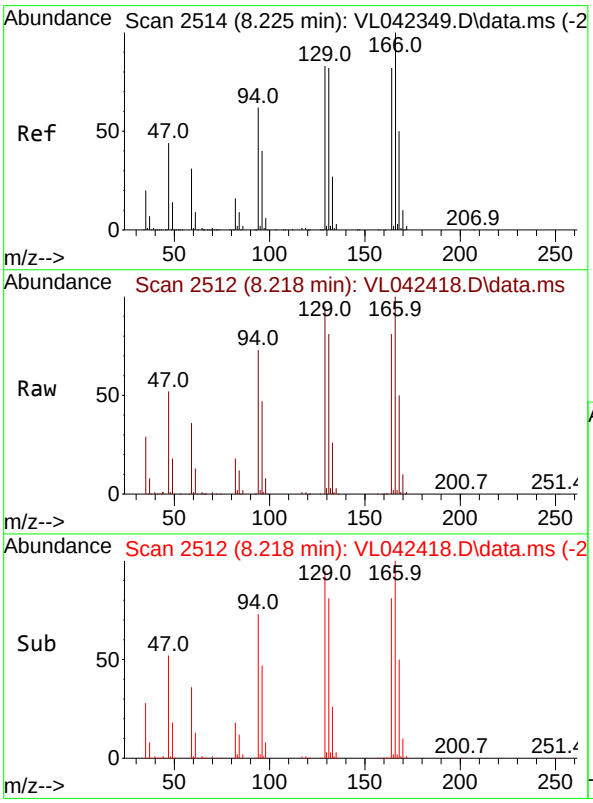
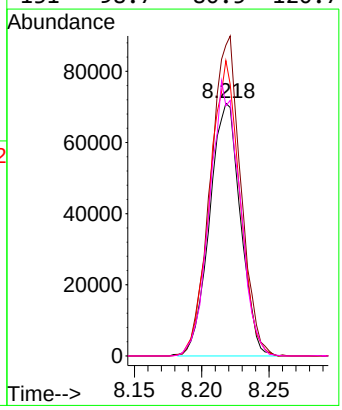
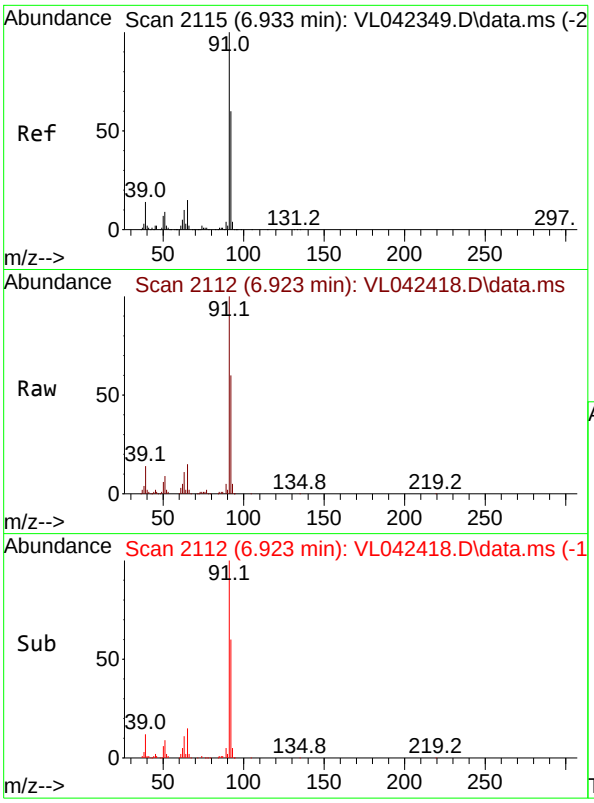


#52
Tetrachloroethene
Concen: 8.058 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:164 Resp: 113273

Ion	Ratio	Lower	Upper
164	100		
166	122.8	98.2	147.2
129	116.9	81.8	122.8
131	98.7	80.5	120.7

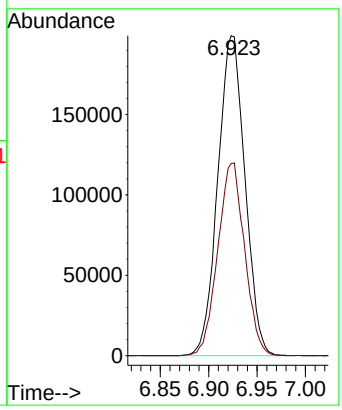




#53
Toluene
Concen: 8.904 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 38862

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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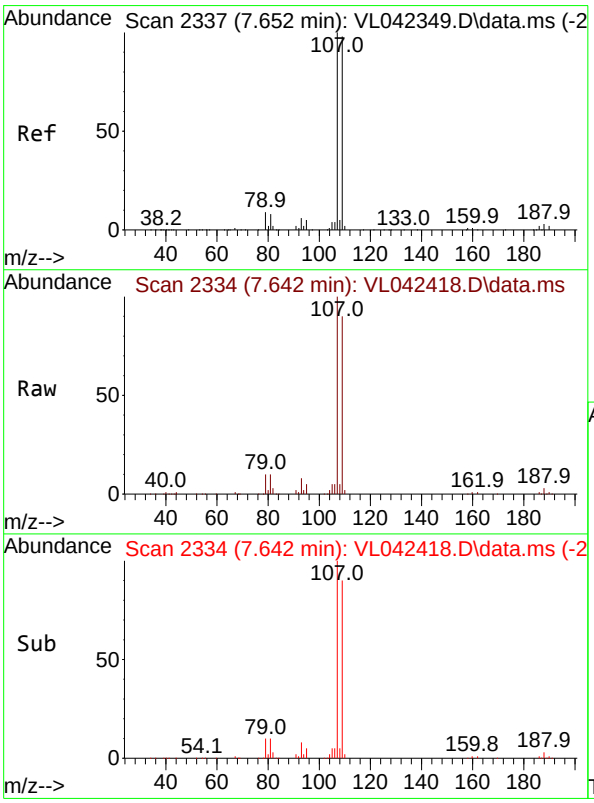
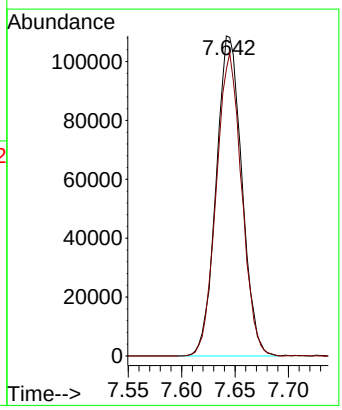
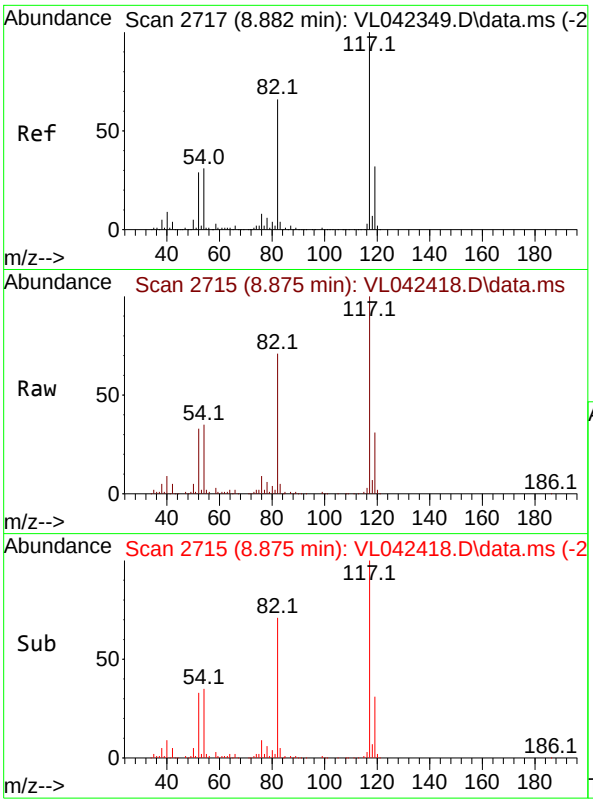


#54
1,2-Dibromoethane
Concen: 9.191 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:107 Resp: 181632

Ion	Ratio	Lower	Upper
107	100		
109	89.6	78.2	117.4

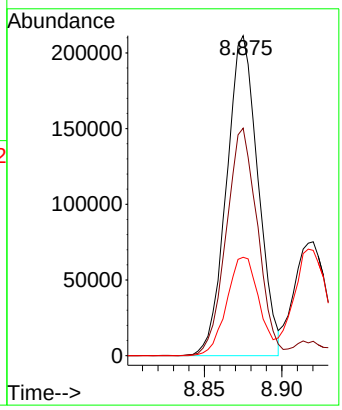




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:117 Resp: 29913

Ion	Ratio	Lower	Upper
117	100		
82	75.2	57.8	86.6
119	33.3	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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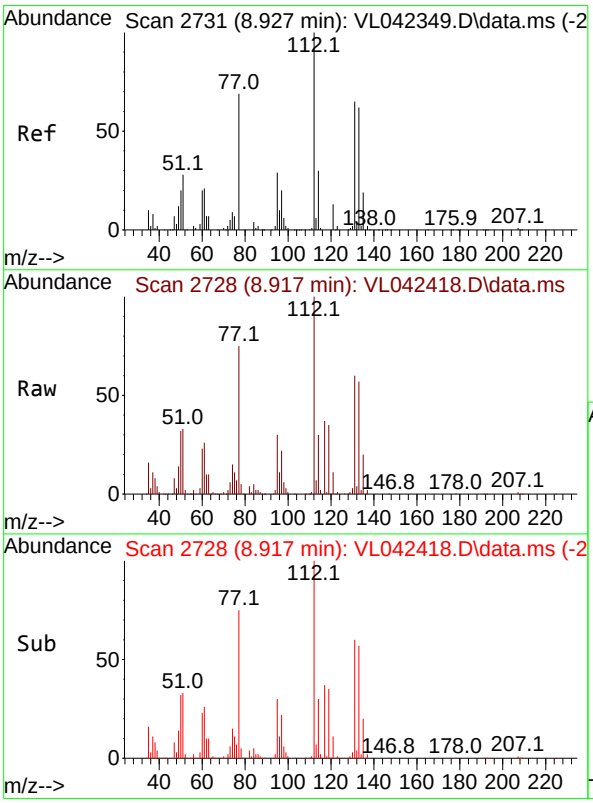
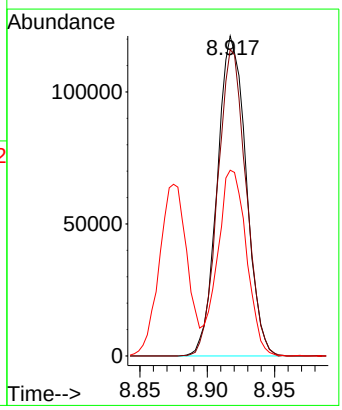
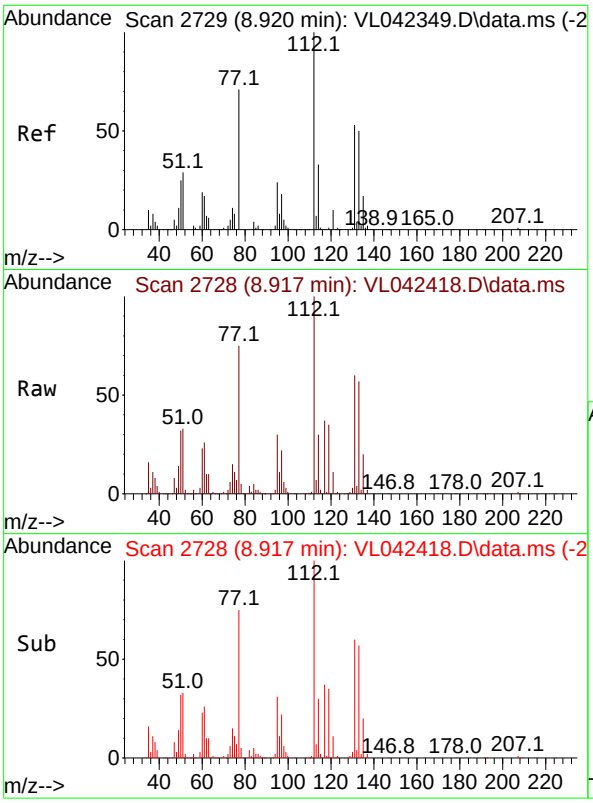


#56
1,1,1,2-Tetrachloroethane
Concen: 9.949 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:131 Resp: 180122

Ion	Ratio	Lower	Upper
131	100		
133	94.3	78.3	117.5
119	57.4	48.7	73.1

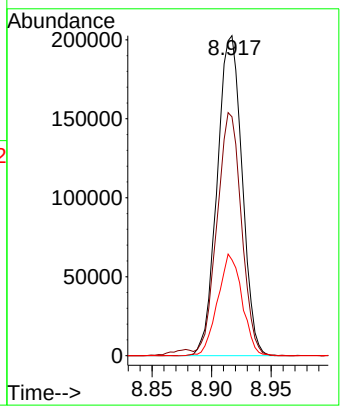




#57
Chlorobenzene
Concen: 9.480 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:112 Resp: 29492

Ion	Ratio	Lower	Upper
112	100		
77	74.6	57.8	86.6
114	29.9	29.3	35.9



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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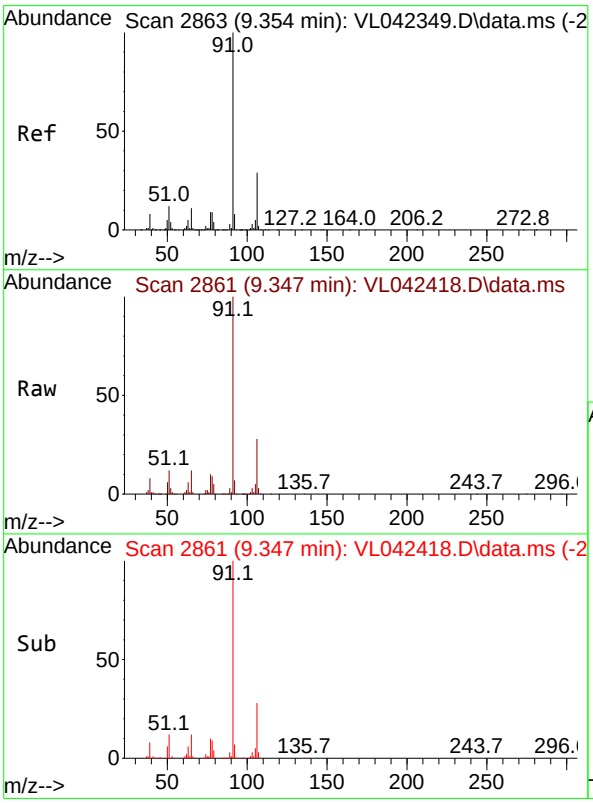
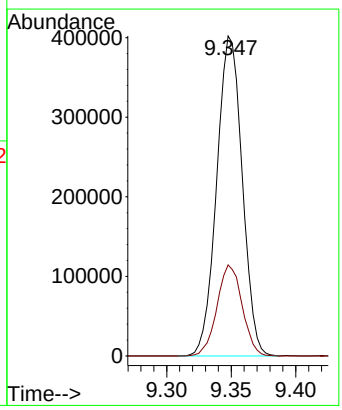
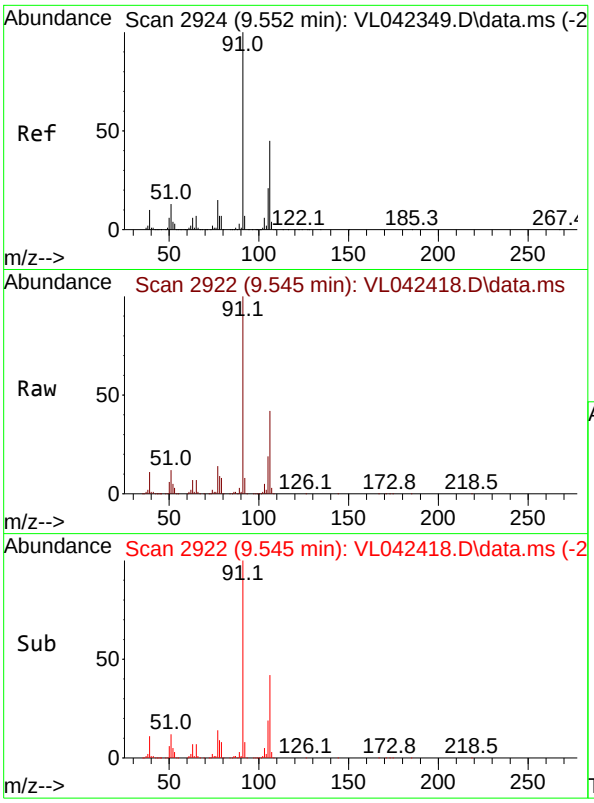


#58
Ethyl Benzene
Concen: 9.321 ppbv
RT: 9.347 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 552423

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.0	34.4





#59
m/p-Xylene
Concen: 19.000 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 90715

Ion	Ratio	Lower	Upper
91	100		
106	42.6	35.4	53.2

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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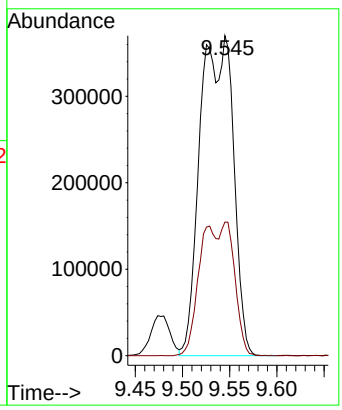
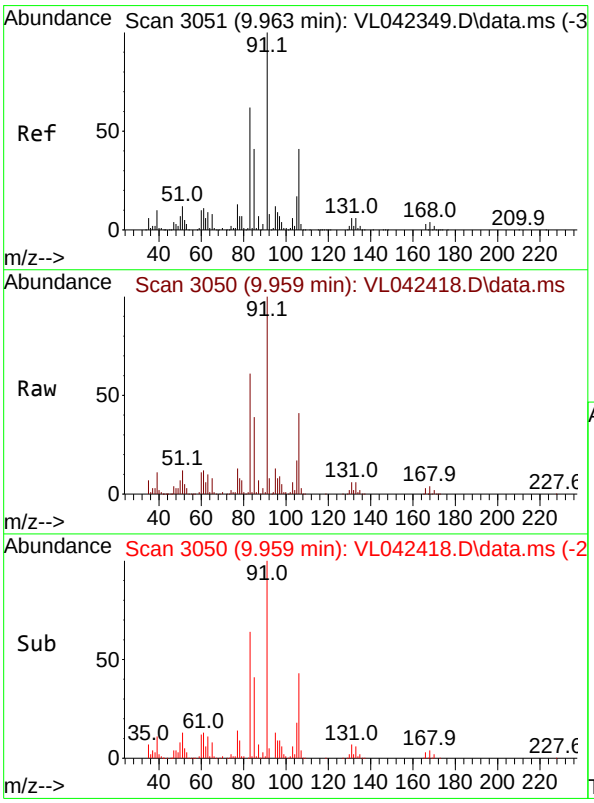
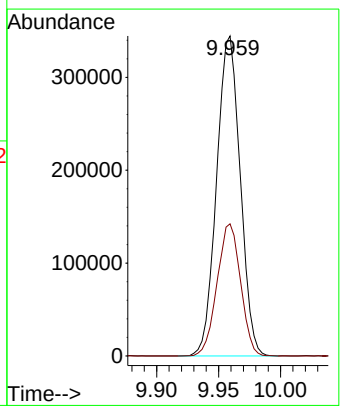


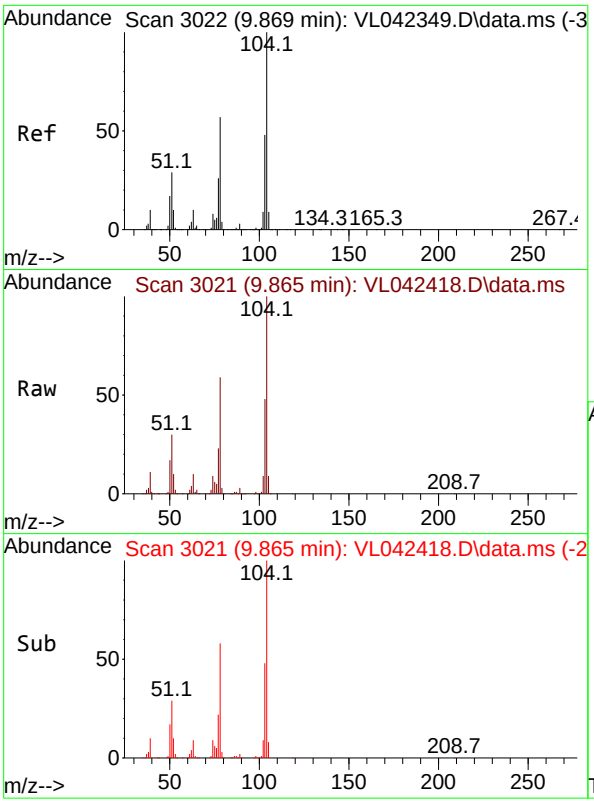


#60
o-Xylene
Concen: 9.515 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 457491

Ion	Ratio	Lower	Upper
91	100		
106	41.1	21.1	63.4





#61
Styrene
Concen: 9.086 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:104 Resp: 20851

Ion	Ratio	Lower	Upper
104	100		
78	59.1	44.6	66.8
103	46.5	37.4	56.0

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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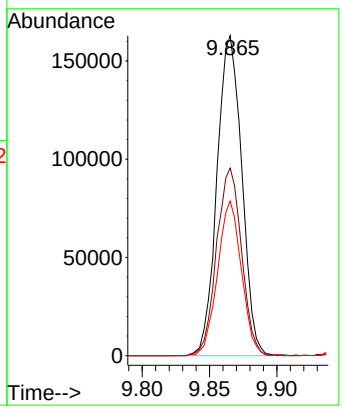
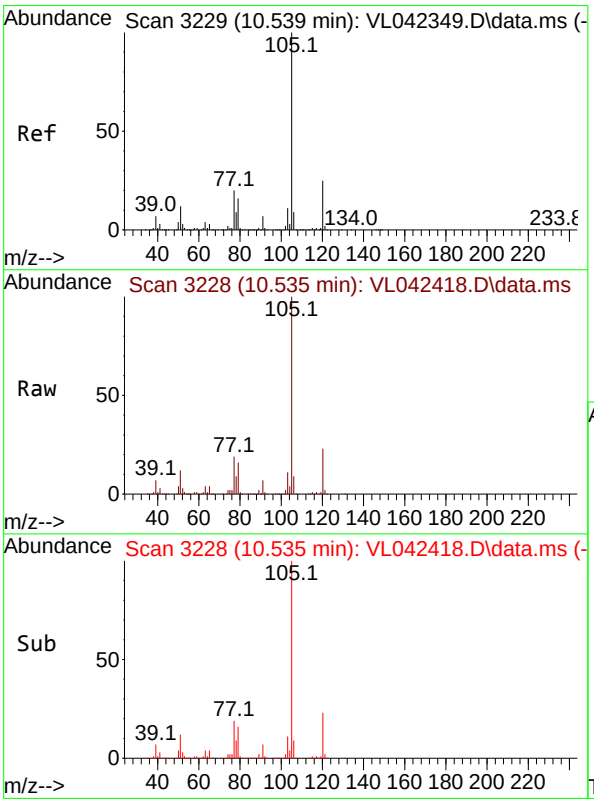
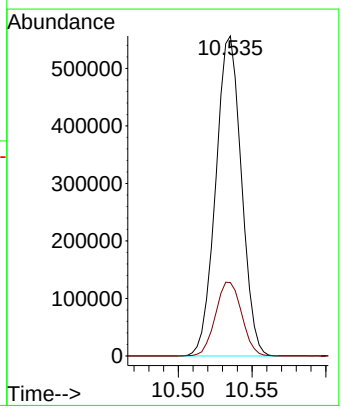


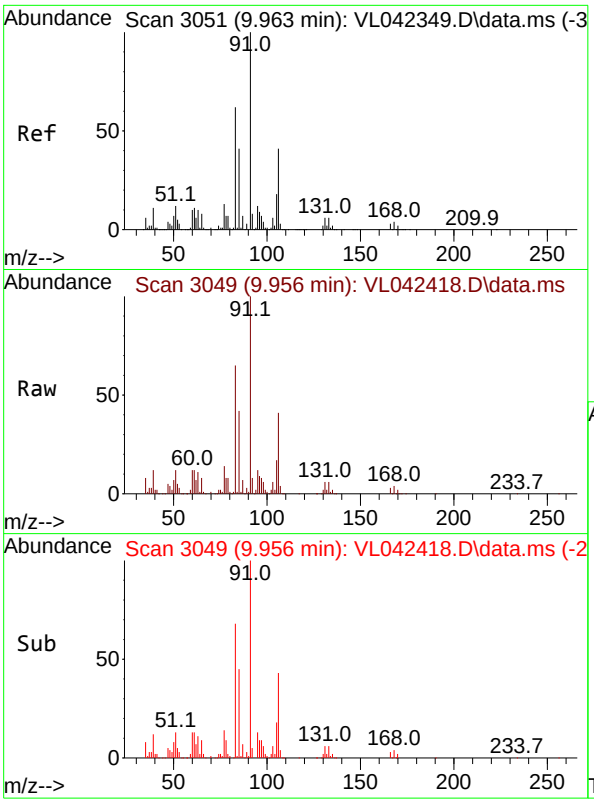


#62
Isopropylbenzene
Concen: 9.546 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 673842

Ion	Ratio	Lower	Upper
105	100		
120	23.5	19.8	29.8

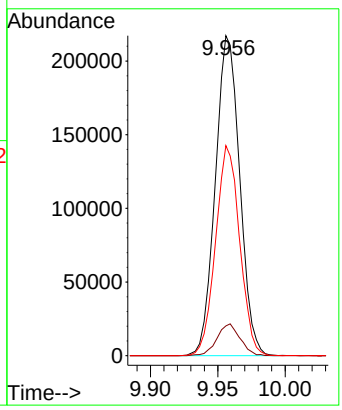




#63
1,1,2,2-Tetrachloroethane
Concen: 8.783 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 83 Resp: 27364

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.7
85	64.8	32.4	97.0



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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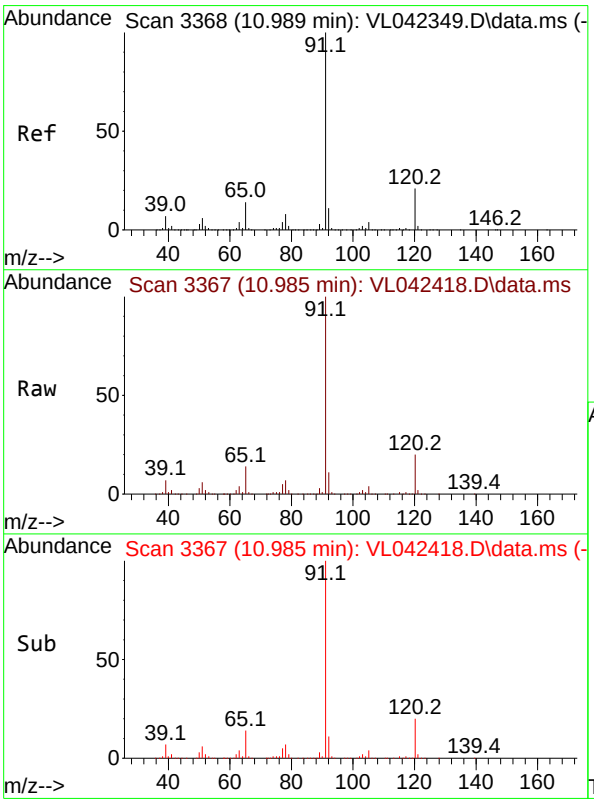
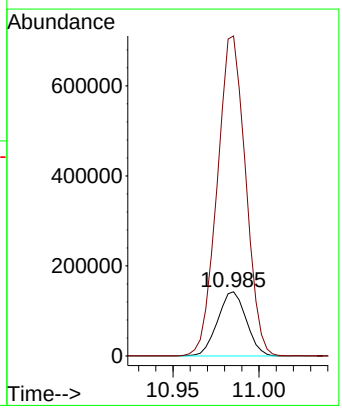
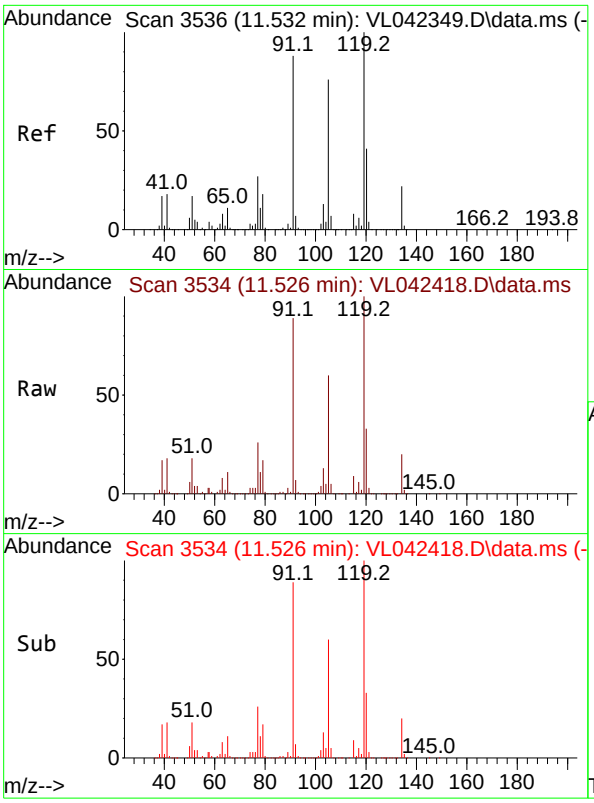


#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:120 Resp: 164482

Ion	Ratio	Lower	Upper
120	100		
91	497.0	392.4	588.6





#65
tert-Butylbenzene
Concen: 9.441 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

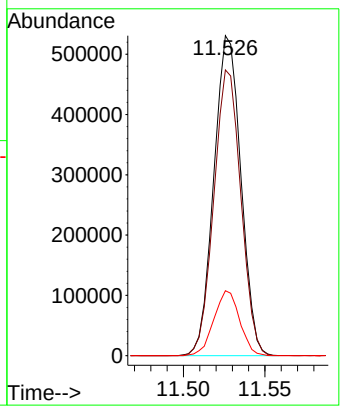
Tgt Ion:119 Resp: 61251

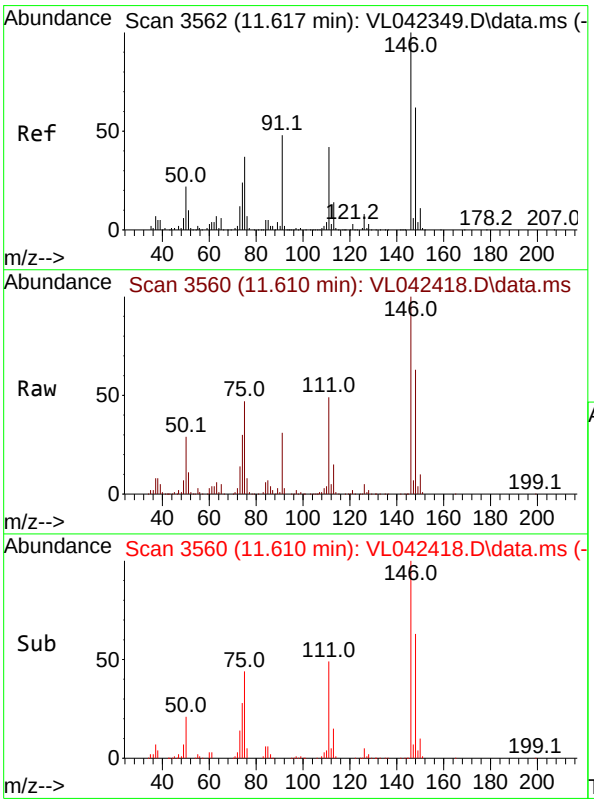
Ion	Ratio	Lower	Upper
119	100		
91	89.2	74.6	111.8
134	19.3	18.8	28.2

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

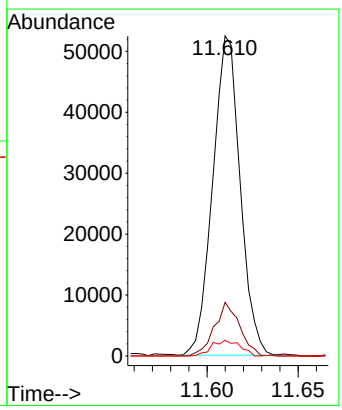


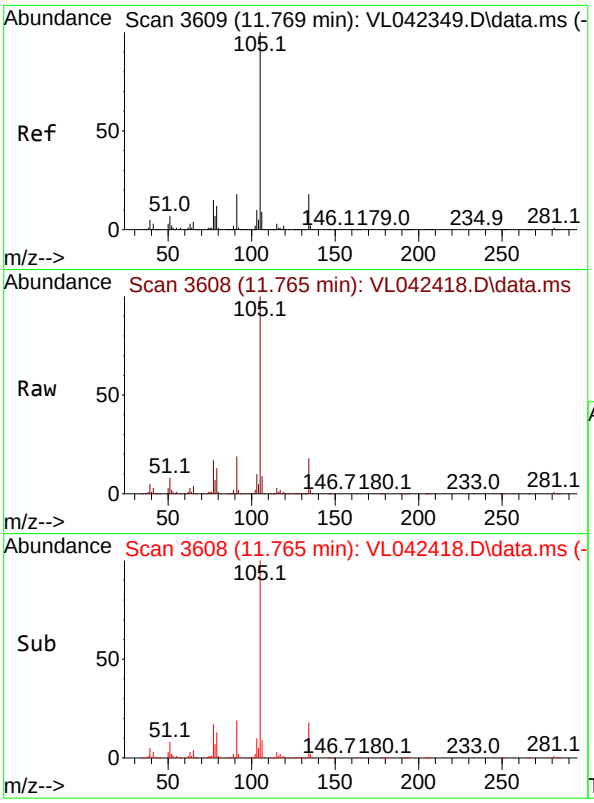


#66
Benzyl Chloride
Concen: 7.684 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 54781

Ion	Ratio	Lower	Upper
91	100		
126	15.5	11.8	17.6
128	5.1	4.5	6.7

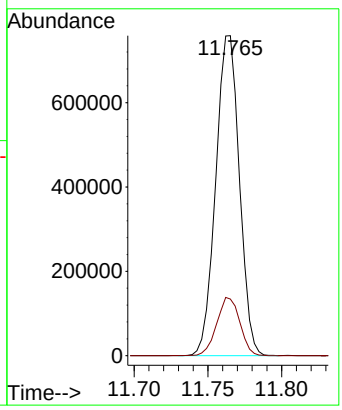




#67
sec-Butylbenzene
Concen: 9.380 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 84645

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
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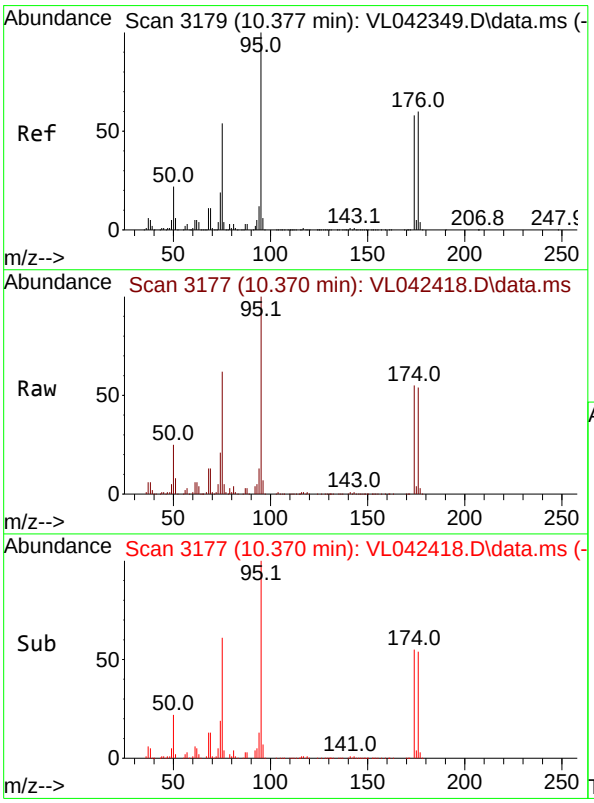
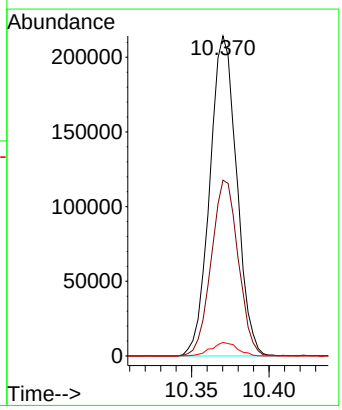
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

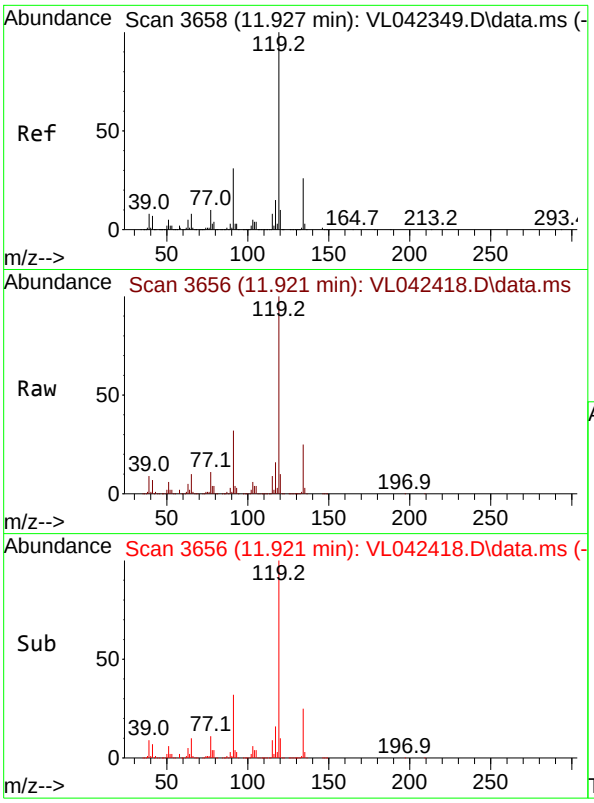


#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 95 Resp: 258626

Ion	Ratio	Lower	Upper
95	100		
174	55.3	48.5	72.7
175	4.1	3.7	5.5

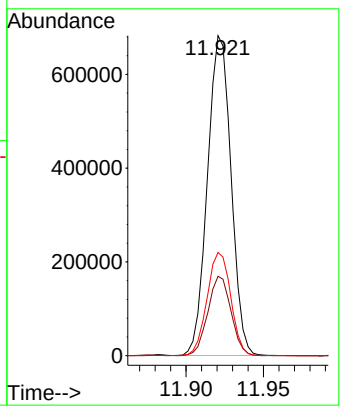




#69
p-Isopropyltoluene
Concen: 9.221 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:119 Resp: 722909

Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.0	30.0
91	32.5	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
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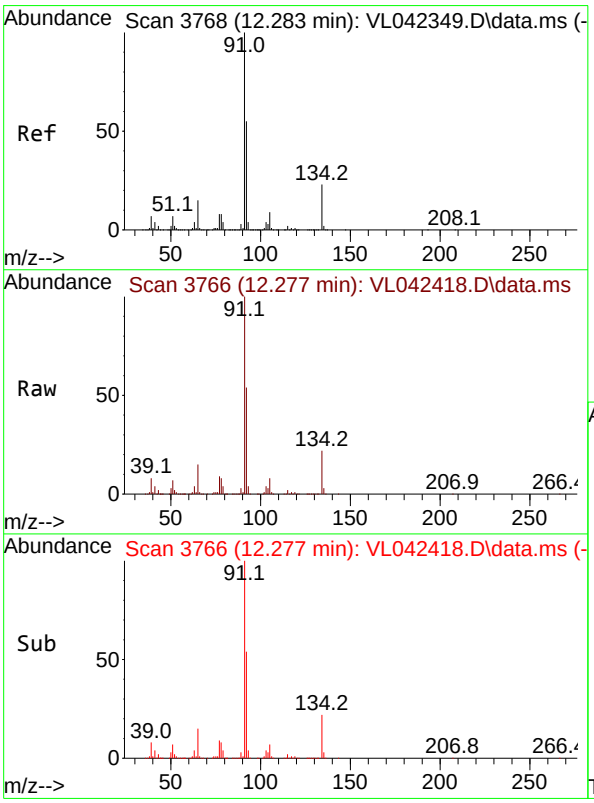
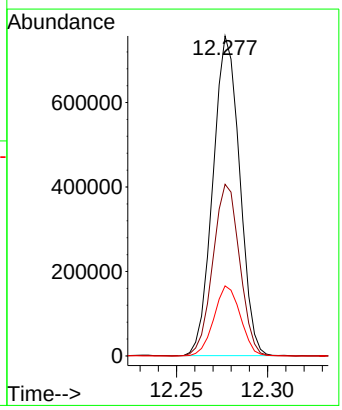
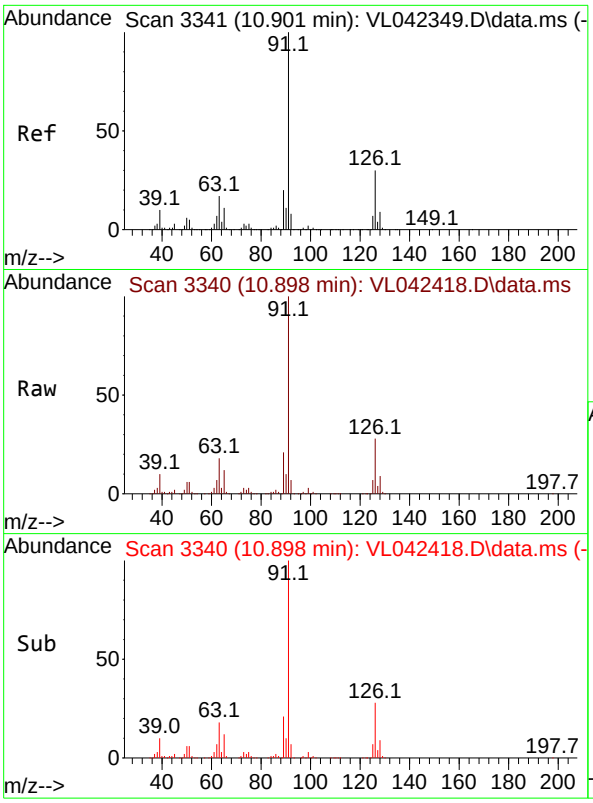


#70
n-Butylbenzene
Concen: 9.452 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 771835

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.2	66.4
134	21.8	18.2	27.4

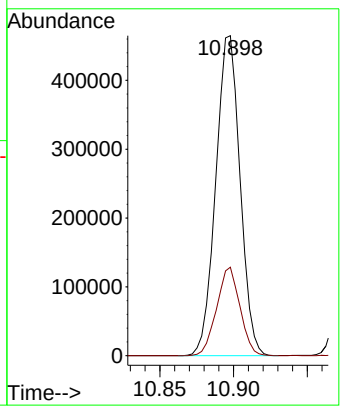




#71
2-Chlorotoluene
Concen: 9.623 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 53275

Ion	Ratio	Lower	Upper
91	100		
126	26.5	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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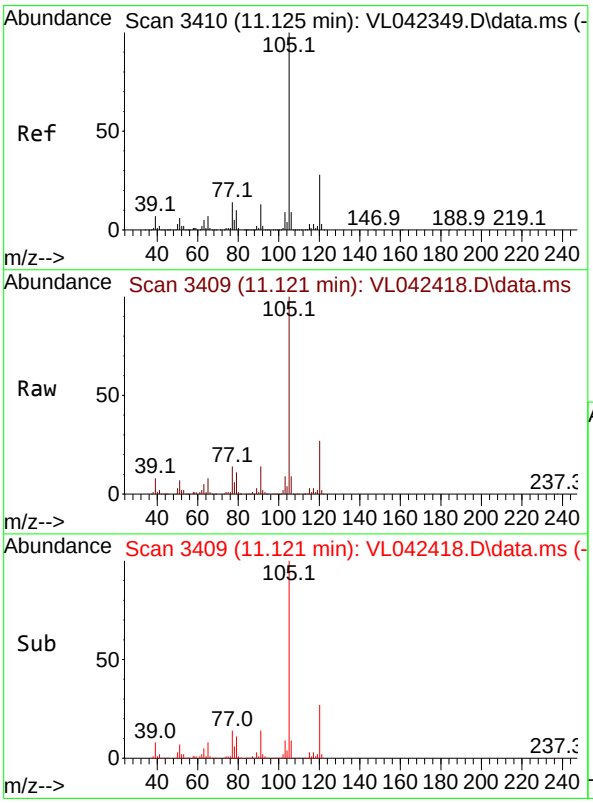
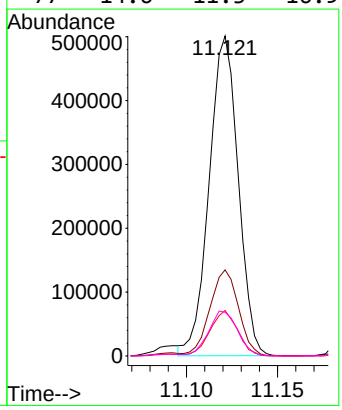
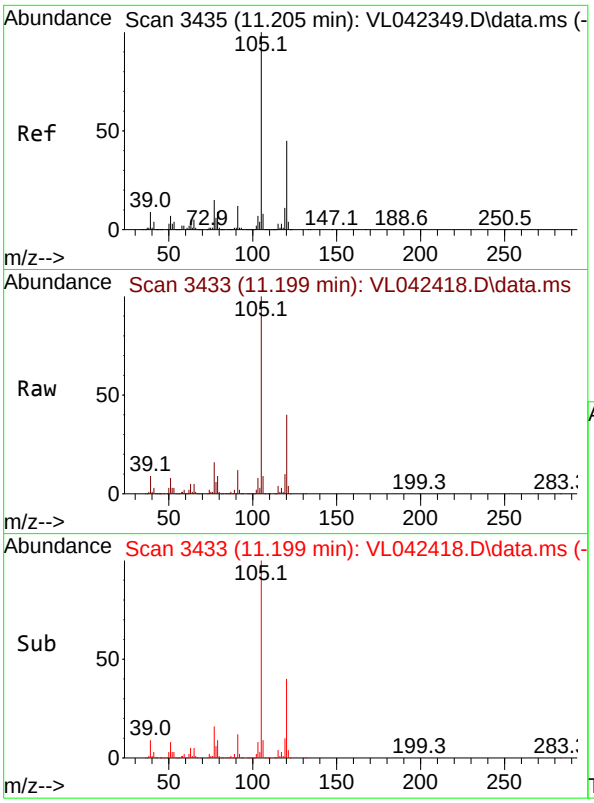


#72
4-Ethyltoluene
Concen: 9.438 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 554770

Ion	Ratio	Lower	Upper
105	100		
120	27.4	23.2	34.8
91	14.2	10.4	15.6
77	14.6	11.3	16.9

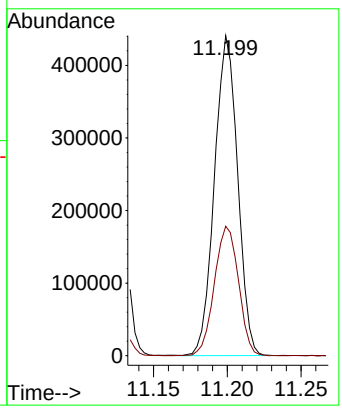




#73
1,3,5-Trimethylbenzene
Concen: 9.283 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 48169

Ion	Ratio	Lower	Upper
105	100		
120	40.5	35.6	53.4



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
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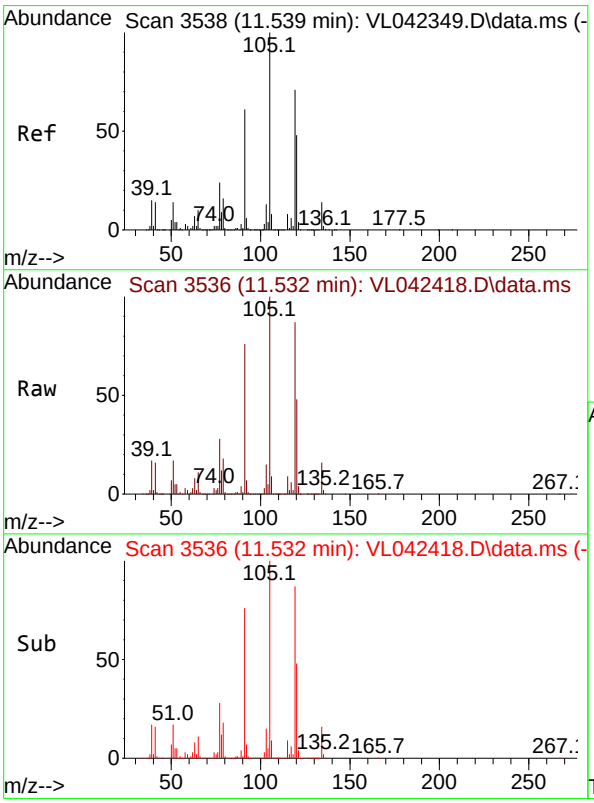
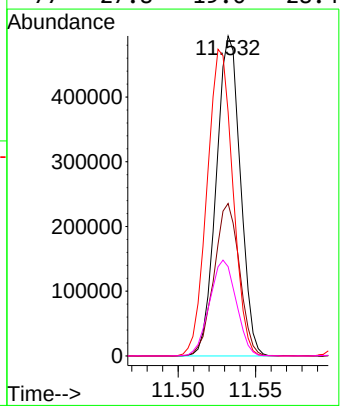
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

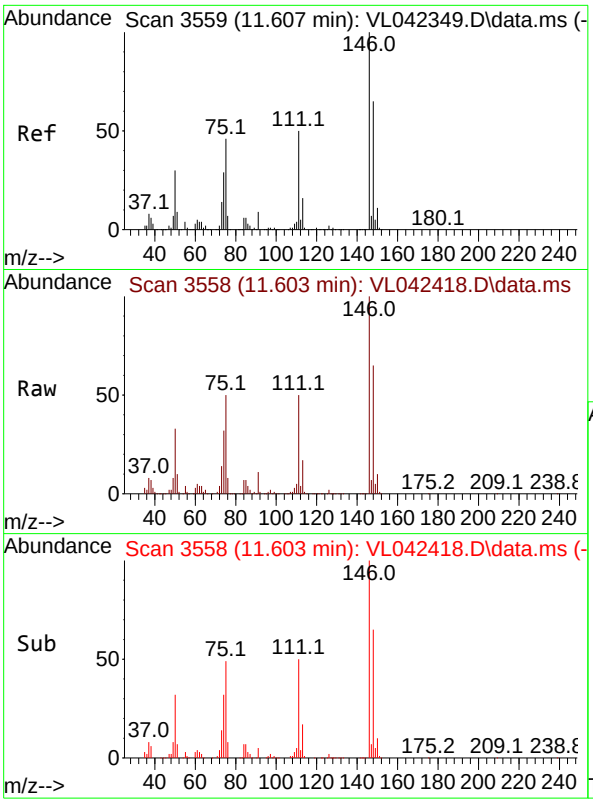


#74
1,2,4-Trimethylbenzene
Concen: 8.869 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 537510

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.1	57.1
91	76.2	48.8	73.2#
77	27.8	19.0	28.4

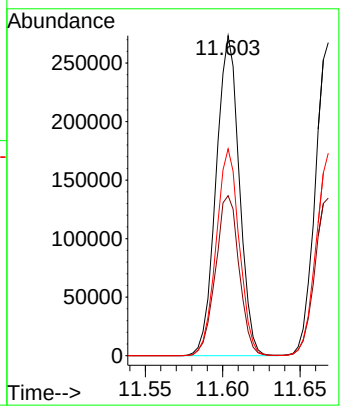




#75
1,3-Dichlorobenzene
Concen: 9.035 ppbv
RT: 11.603 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:146 Resp: 28465

Ion	Ratio	Lower	Upper
146	100		
111	50.9	24.3	72.8
148	64.3	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Manual Integrations
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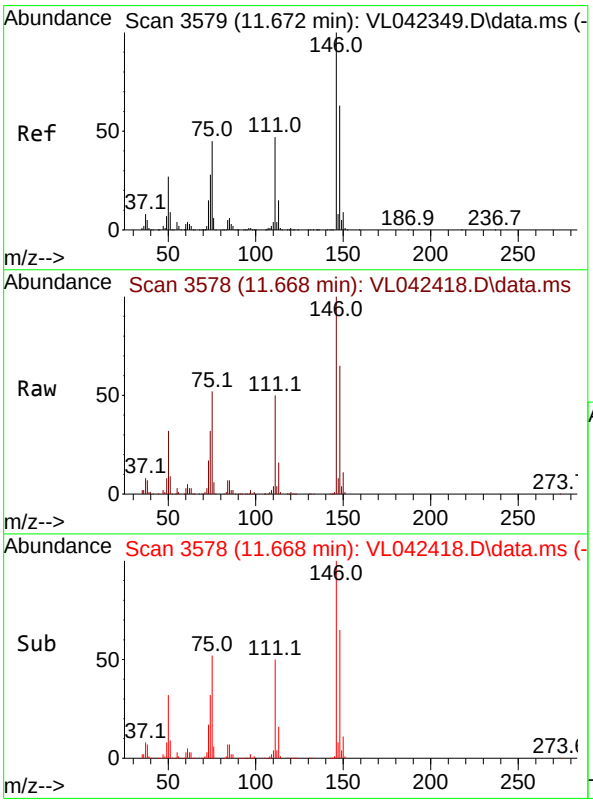
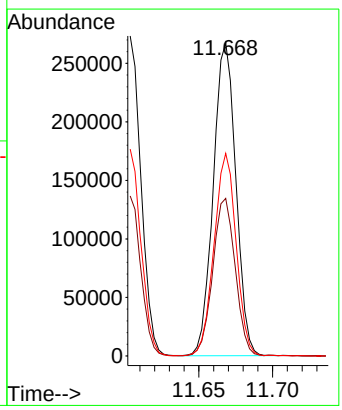
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

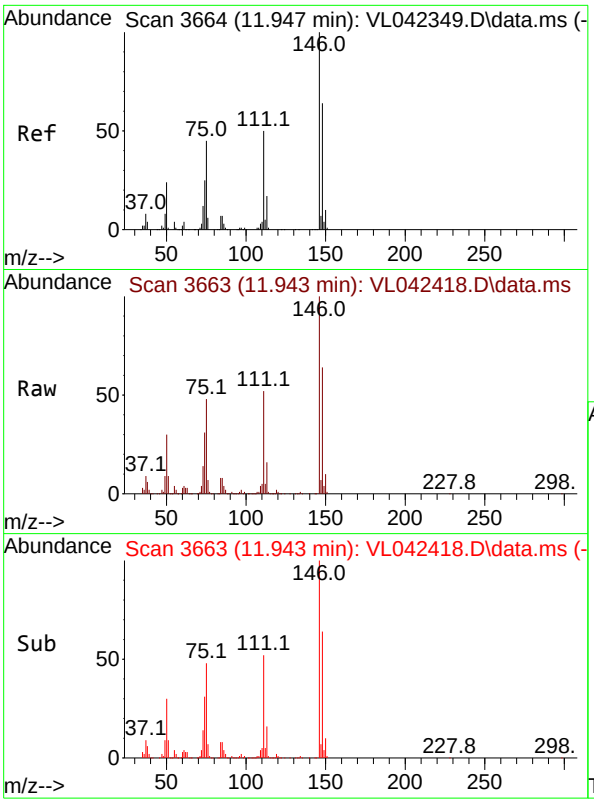


#76
1,4-Dichlorobenzene
Concen: 8.992 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:146 Resp: 284740

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.2	72.6
148	63.7	32.1	96.5

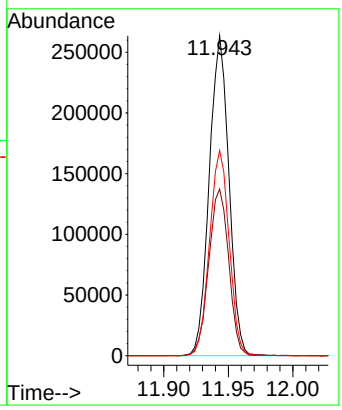




#77
1,2-Dichlorobenzene
Concen: 9.095 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:146 Resp: 27861

Ion	Ratio	Lower	Upper
146	100		
111	53.0	25.3	75.9
148	64.0	31.5	94.5



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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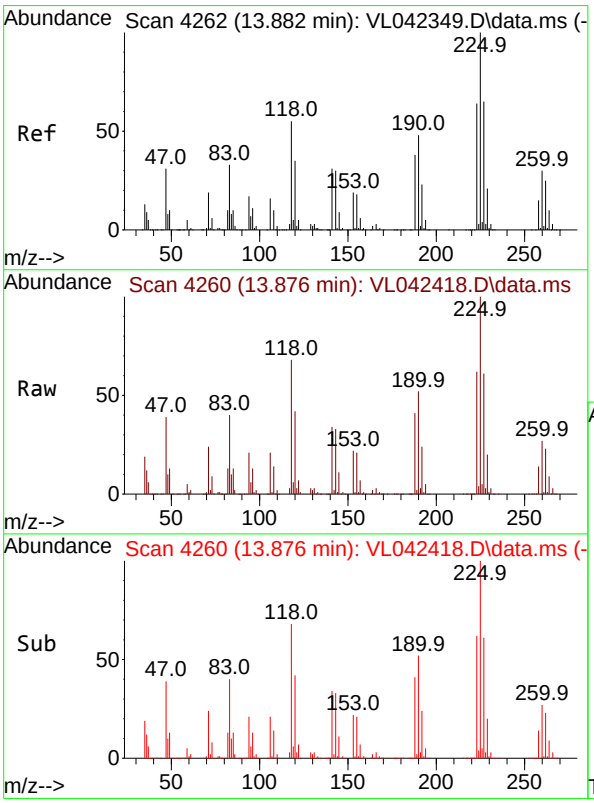
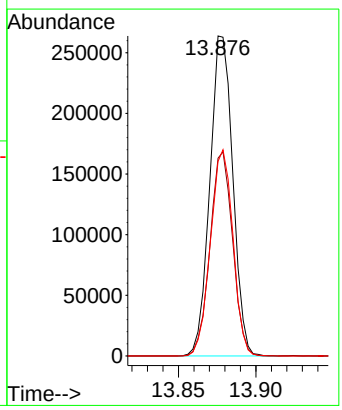
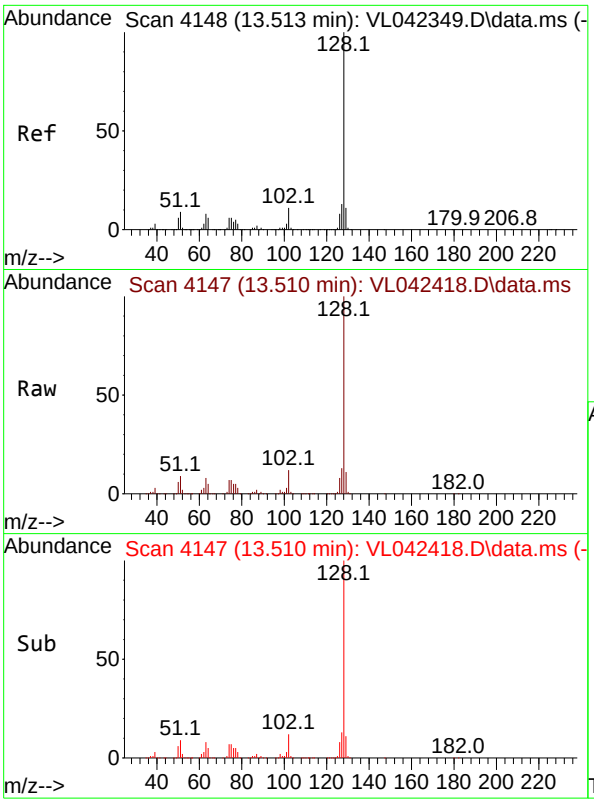


#78
Hexachloro-1,3-Butadiene
Concen: 8.779 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:225 Resp: 271569

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.3	51.5	77.3

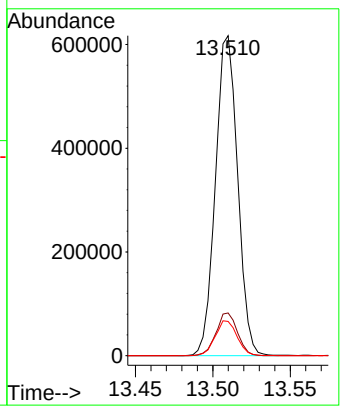




#79
Naphthalene
Concen: 8.482 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:128 Resp: 61476

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.7	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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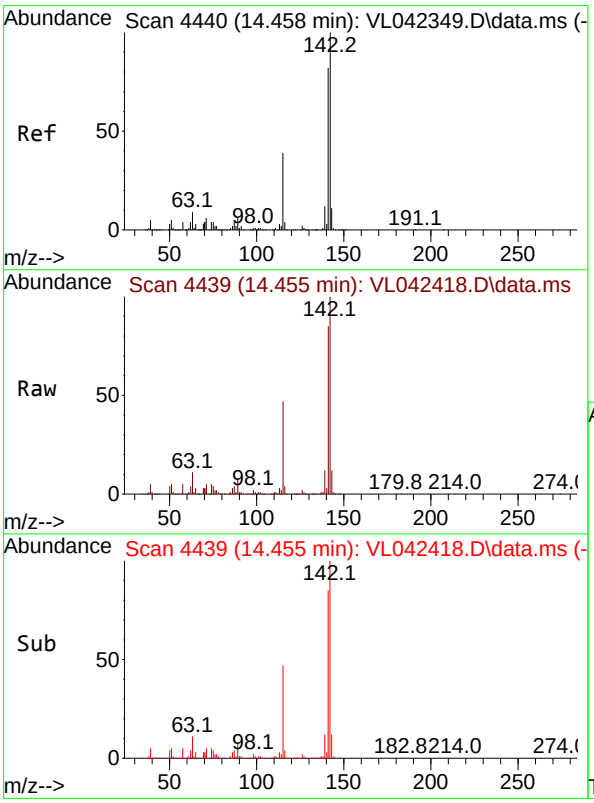
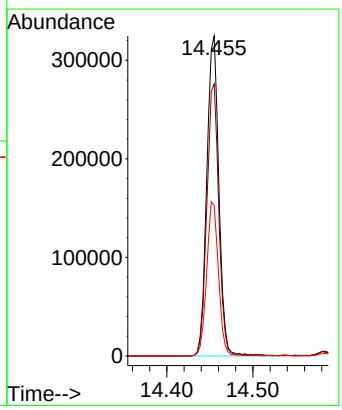
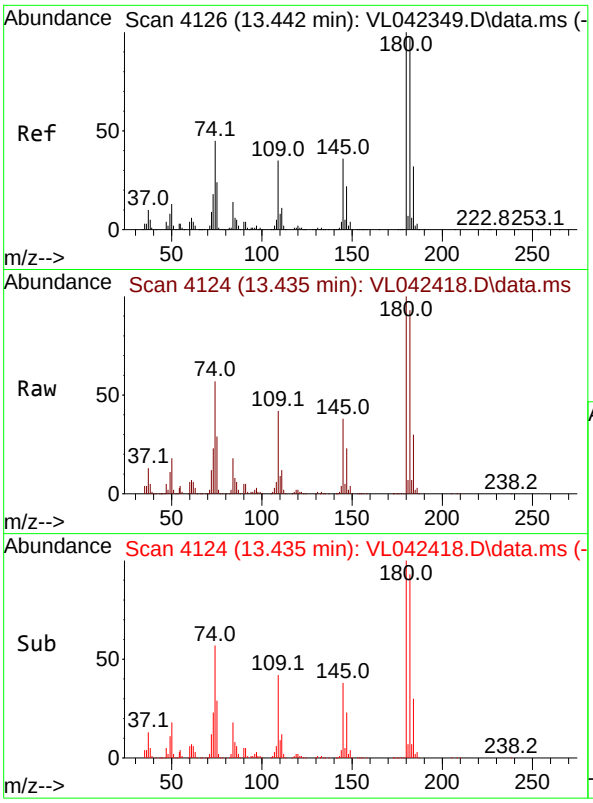


#80
Naphthalene,2-methyl-
Concen: 7.651 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:142 Resp: 316027

Ion	Ratio	Lower	Upper
142	100		
141	84.7	66.8	100.2
115	47.3	33.4	50.2

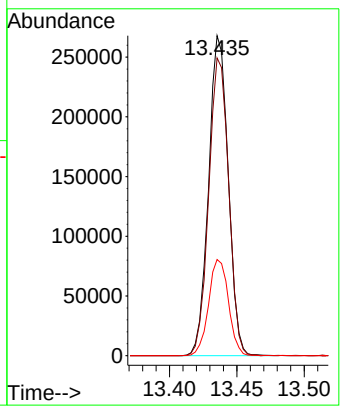




#81
1,2,4-Trichlorobenzene
Concen: 8.729 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:180 Resp: 27165

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
184	30.4	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

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Supervised By :Mahesh Dadoda 04/30/2025

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0429ABS01	SDG No.:	Q1880
Lab Sample ID:	VL0429ABS01	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
VL042438.D	1		04/29/25 10:08	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	11.6	57.4		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	9.60	24.5		0.030	0.080	ug/m3
74-83-9	Bromomethane	10.7	41.5		0.54	1.94	ug/m3
75-00-3	Chloroethane	10.5	27.7		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	8.50	25.1		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	11.5	64.6		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	10.9	83.5		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	11.2	78.3		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	9.70	29.4		0.58	1.52	ug/m3
142-82-5	Heptane	7.60	31.1		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	9.90	23.5		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	10.4	32.4		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.30	33.5		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	9.00	31.3		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.90	39.3		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.9	44.1		0.53	2.02	ug/m3
110-82-7	Cyclohexane	8.60	29.6		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.30	27.4		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	11.0	69.2		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.60	38.1		0.36	1.98	ug/m3
67-66-3	Chloroform	10.6	51.8		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	10.3	56.2		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.00	42.0		0.47	2.34	ug/m3
71-43-2	Benzene	9.30	29.7		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	12.0	48.6		0.36	2.02	ug/m3
79-01-6	Trichloroethene	8.50	45.7		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.00	41.6		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	11.1	74.4		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	7.80	32.0		0.37	2.05	ug/m3
108-88-3	Toluene	8.80	33.2		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	8.90	40.4		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	8.80	40.0		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.90	54.0		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:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0429ABS01	SDG No.:	Q1880
Lab Sample ID:	VL0429ABS01	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
VL042438.D	1		04/29/25 10:08	VL042925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.2	86.9		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.60	73.8		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	8.00	54.3		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	10.3	47.4		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	10.1	43.9		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	20.9	90.8		0.91	4.34	ug/m3
95-47-6	o-Xylene	10.6	46.0		0.52	2.17	ug/m3
100-42-5	Styrene	9.20	39.2		0.47	2.13	ug/m3
75-25-2	Bromoform	9.40	97.2		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.80	67.3		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.6	54.9		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.4	51.1		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.90	48.7		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.90	59.5		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.90	59.5		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.1	60.7		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.50	70.5		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	10.0	107		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	9.90	21.9		0.29	1.11	ug/m3
91-20-3	Naphthalene	9.40	49.3		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	10.4	51.1		0.59	2.46	ug/m3
110-54-3	Hexane	8.30	29.3		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	9.90	31.0		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	7.50	27.0		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	11.3			65 - 135	113%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	117000		2.79			
540-36-3	1,4-Difluorobenzene	318000		3.962			
3114-55-4	Chlorobenzene-d5	272000		8.881			

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	
Project:	R36900	Date Received:	
Client Sample ID:	VL0429ABS01	SDG No.:	Q1880
Lab Sample ID:	VL0429ABS01	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
VL042438.D	1		04/29/25 10:08	VL042925

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\VL042925\
Data File : VL042438.D
Acq On : 29 Apr 2025 10:08
Operator : SY/MD
Sample : VL0429ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	116772	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	317590	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	272312	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	253021	11.307	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 113.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	238539	11.562	ppbv		96
3) Chlorodifluoromethane	1.476	51	192670	9.807	ppbv		92
4) Chloromethane	1.534	50	89832	11.003	ppbv		94
5) Vinyl Chloride	1.580	62	85334	9.601	ppbv		99
6) Bromomethane	1.667	94	40758	10.676	ppbv		94
7) Chloroethane	1.706	64	33756	10.502	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	198106	11.184	ppbv		95
9) Propene	1.486	41	70111	7.836	ppbv		97
10) Heptane	4.981	43	190583	7.582	ppbv		99
11) Trichlorofluoromethane	1.877	101	225308	11.484	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.140	101	174111	10.854	ppbv		97
13) Ethanol	1.722	45	4137	2.909	ppbv		90
14) Bromoethene	1.783	108	64544	10.674	ppbv	#	98
15) Acetone	1.835	43	189432	9.910	ppbv		98
16) 1,3-Butadiene	1.609	39	90473	9.895	ppbv		93
17) tert-Butyl alcohol	2.042	59	230217	9.718	ppbv		99
18) 1,1-Dichloroethene	2.036	96	76749	10.241	ppbv		96
19) Isopropyl Alcohol	1.887	45	103692	9.765	ppbv	#	36
20) Methylene Chloride	2.062	84	67298	8.989	ppbv		91
21) Allyl Chloride	2.097	41	130014	9.851	ppbv		95
22) trans-1,2-Dichloroethene	2.340	96	84797	9.938	ppbv		90
23) Vinyl Acetate	2.463	43	61036	7.888	ppbv	#	95
24) 1,1-Dichloroethane	2.408	63	177233	10.934	ppbv		98
25) Ethyl Acetate	2.839	43	416465	8.836	ppbv		99
26) Hexane	2.826	57	157544	8.260	ppbv		97
27) Carbon Disulfide	2.149	76	211824	10.372	ppbv		99
28) Methyl tert-Butyl Ether	2.441	73	116769	9.344	ppbv		94
29) Chloroform	2.852	83	286397	10.623	ppbv		96
30) Cyclohexane	3.858	84	132615	8.601	ppbv		95
31) cis-1,2-Dichloroethene	2.722	61	174328	9.613	ppbv		99
32) 1,1,1-Trichloroethane	3.369	97	312429	10.294	ppbv		99
34) 2-Butanone	2.560	43	233037	9.278	ppbv		98
35) Carbon Tetrachloride	3.764	117	317207	11.036	ppbv		93
36) Benzene	3.658	78	317350	9.264	ppbv		96
37) 1,2-Dichloroethane	3.221	62	247446	12.035	ppbv	#	96
38) Trichloroethene	4.551	130	127601	8.523	ppbv		91
39) 1,2-Dichloropropane	4.318	63	115449	9.044	ppbv		92
40) 1,4-Dioxane	4.586	88	52820	7.529	ppbv	#	92
41) Tetrahydrofuran	3.055	42	124059	8.471	ppbv		98
42) Bromodichloromethane	4.493	83	317253	11.088	ppbv		99
43) Methyl Methacrylate	4.881	69	123817m	8.020	ppbv		
44) 2,2,4-Trimethylpentane	4.641	57	531439	8.983	ppbv		95
45) t-1,3-Dichloropropene	6.418	75	140981	8.940	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042438.D
Acq On : 29 Apr 2025 10:08
Operator : SY/MD
Sample : VL0429ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	170063	8.811	ppbv	#	84
47) 1,1,2-Trichloroethane	6.583	97	128662	9.893	ppbv		95
48) Dibromochloromethane	7.389	129	233350	10.156	ppbv		100
49) Bromoform	9.487	173	189484	9.431	ppbv		99
50) 4-Methyl-2-Pentanone	5.755	43	327508	7.846	ppbv		98
51) 2-Hexanone	7.438	43	262697	7.018	ppbv	#	95
52) Tetrachloroethene	8.228	164	106031	8.008	ppbv		90
53) Toluene	6.936	91	363707	8.848	ppbv		99
54) 1,2-Dibromoethane	7.658	107	178709	9.601	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.930	131	180979	10.981	ppbv		96
57) Chlorobenzene	8.924	112	290861	10.270	ppbv		99
58) Ethyl Benzene	9.357	91	545497	10.111	ppbv		98
59) m/p-Xylene	9.555	91	906532m	20.857	ppbv		
60) o-Xylene	9.966	91	465645	10.639	ppbv		94
61) Styrene	9.872	104	191741	9.178	ppbv		97
62) Isopropylbenzene	10.542	105	667839	10.393	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.966	83	278491	9.819	ppbv		99
64) n-propylbenzene	10.992	120	161309	9.987	ppbv		91
65) tert-Butylbenzene	11.535	119	605972	10.260	ppbv		98
66) Benzyl Chloride	11.620	91	46913	7.229	ppbv		99
67) sec-Butylbenzene	11.772	105	868275	10.569	ppbv		98
69) p-Isopropyltoluene	11.927	119	733796	10.282	ppbv		96
70) n-Butylbenzene	12.283	91	796622	10.717	ppbv		98
71) 2-Chlorotoluene	10.904	91	534951	10.614	ppbv		96
72) 4-Ethyltoluene	11.128	105	553879	10.351	ppbv		97
73) 1,3,5-Trimethylbenzene	11.205	105	491459	10.403	ppbv		95
74) 1,2,4-Trimethylbenzene	11.539	105	548408	9.939	ppbv	#	86
75) 1,3-Dichlorobenzene	11.610	146	284809	9.931	ppbv		97
76) 1,4-Dichlorobenzene	11.675	146	285571	9.907	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	282424	10.128	ppbv		96
78) Hexachloro-1,3-Butadiene	13.885	225	280954	9.977	ppbv		98
79) Naphthalene	13.516	128	621879	9.425	ppbv		100
80) Naphthalene,2-methyl-	14.458	142	312733	8.317	ppbv		95
81) 1,2,4-Trichlorobenzene	13.442	180	269082	9.498	ppbv		99

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

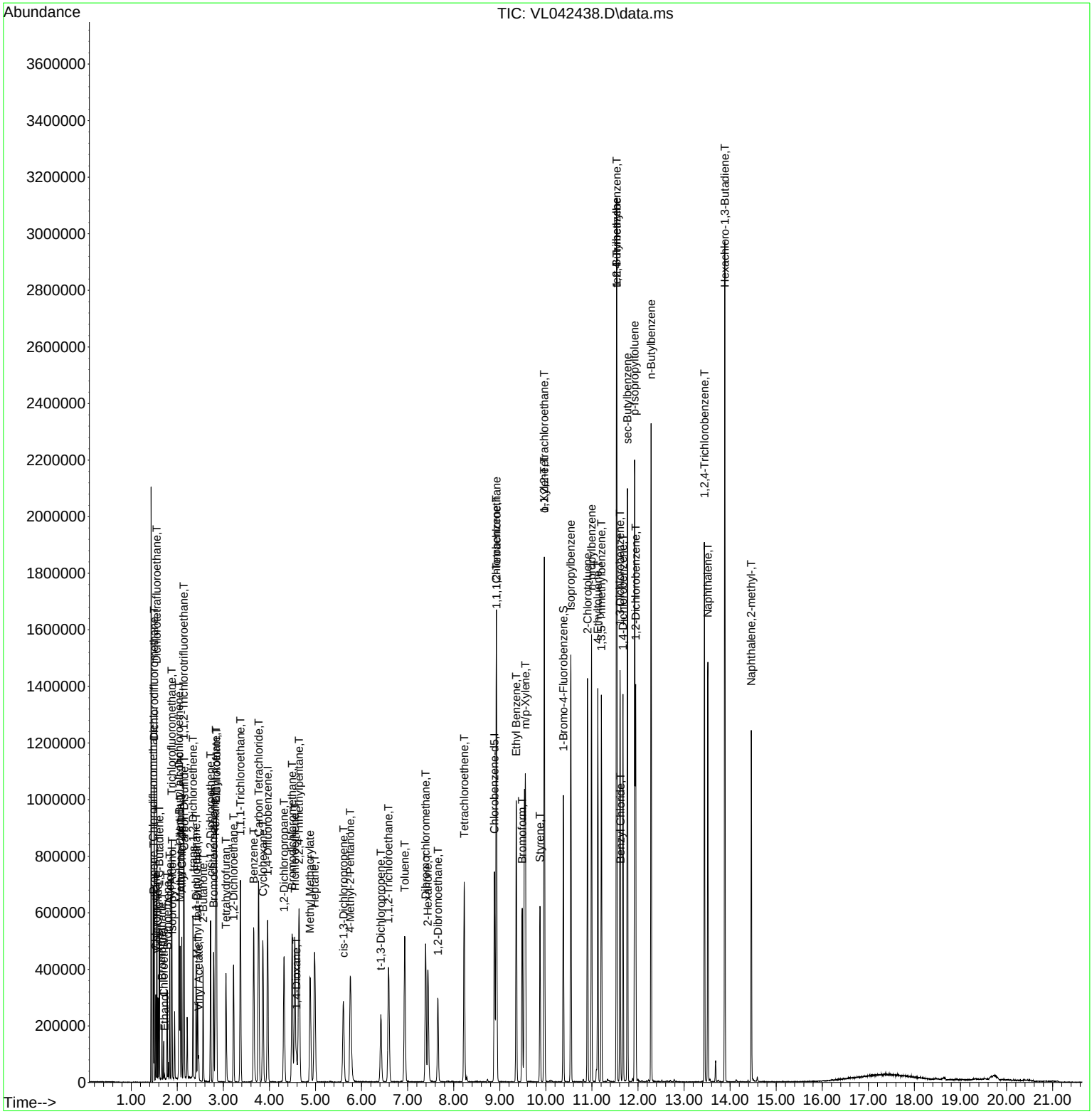
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042438.D
Acq On : 29 Apr 2025 10:08
Operator : SY/MD
Sample : VL0429ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

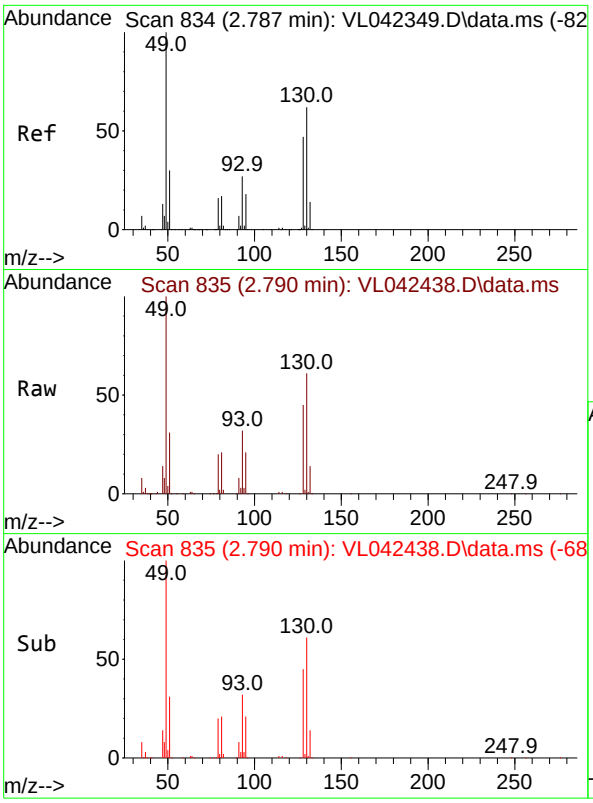
Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

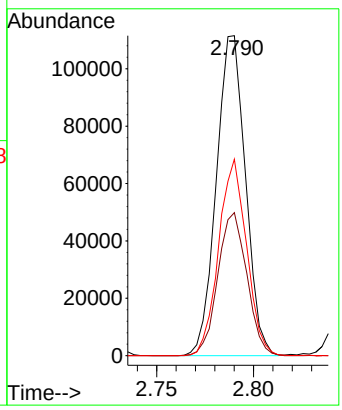




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 49 Resp: 11677

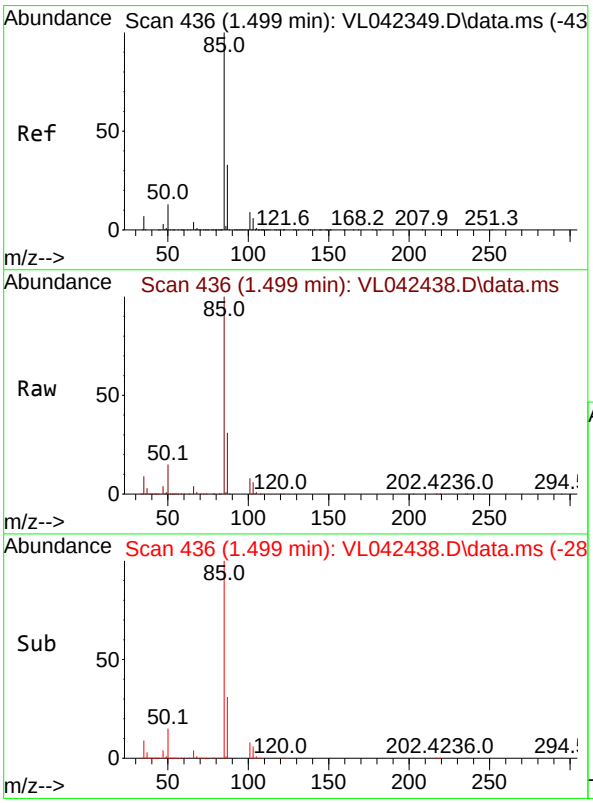
Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.8	68.4
130	58.8	29.3	88.0



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations
APPROVED

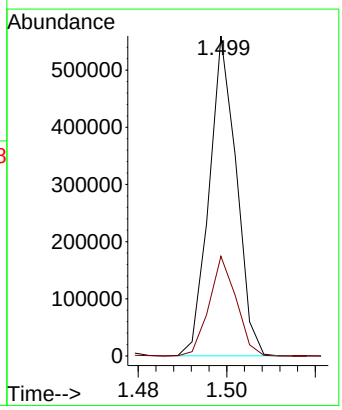
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

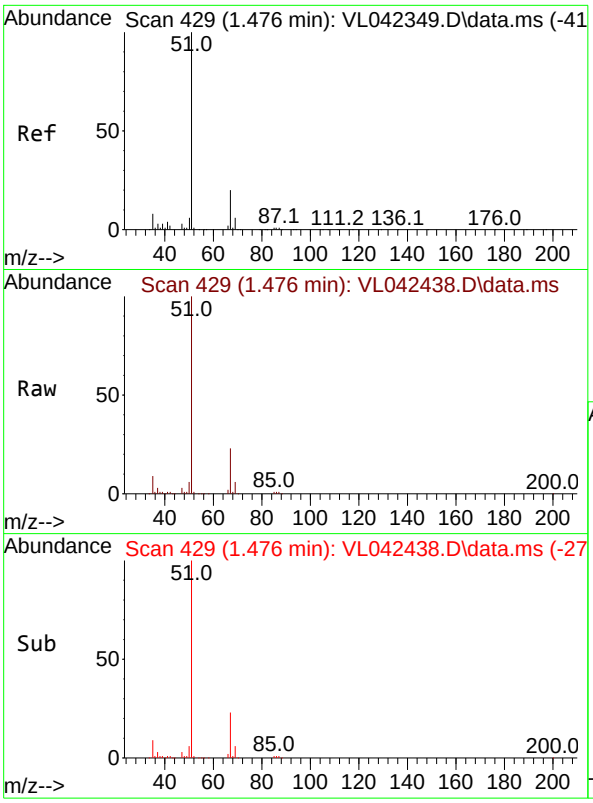


#2
Dichlorodifluoromethane
Concen: 11.562 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 85 Resp: 238539

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.6	39.8

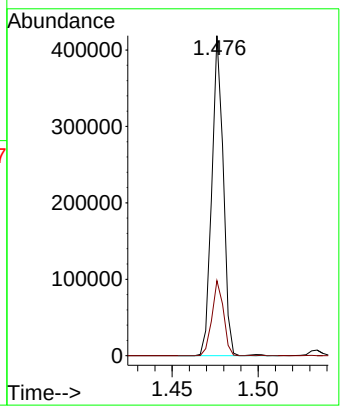




#3
Chlorodifluoromethane
Concen: 9.807 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 51 Resp: 19267

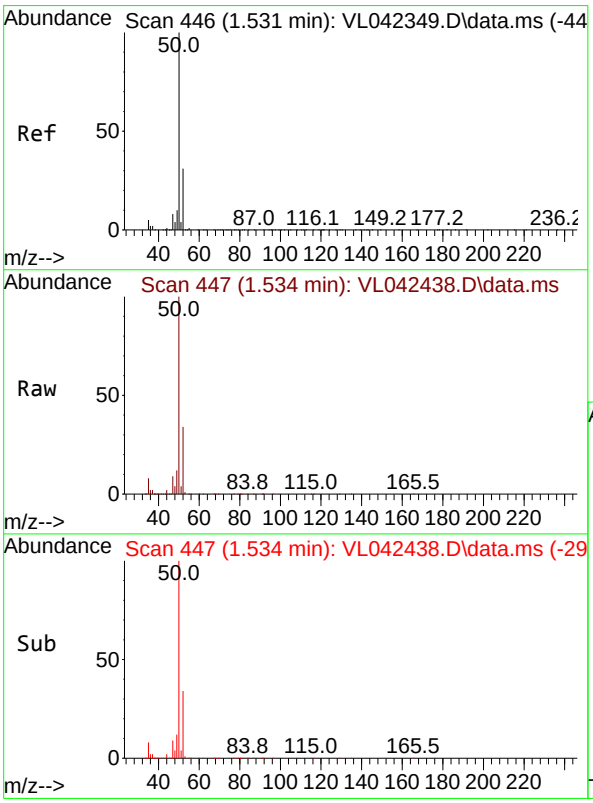
Ion	Ratio	Lower	Upper
51	100		
67	23.8	16.2	24.4



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations
APPROVED

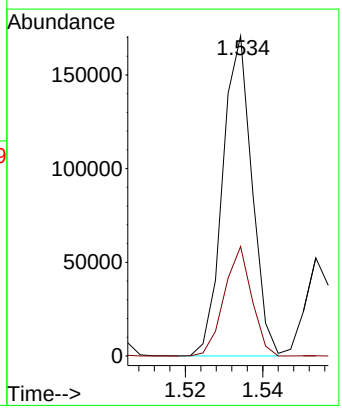
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

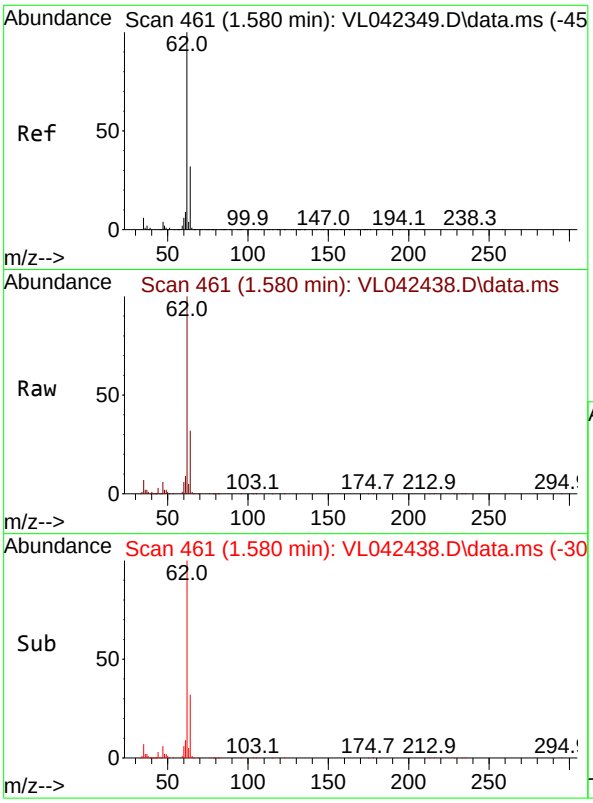


#4
Chloromethane
Concen: 11.003 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 50 Resp: 89832

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.7	37.1

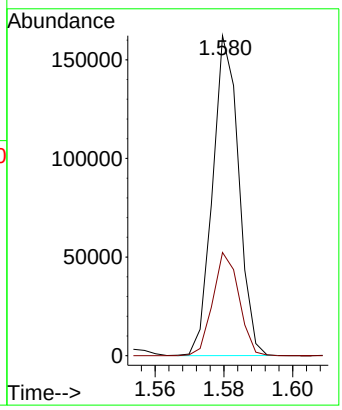




#5
Vinyl Chloride
Concen: 9.601 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 62 Resp: 8533

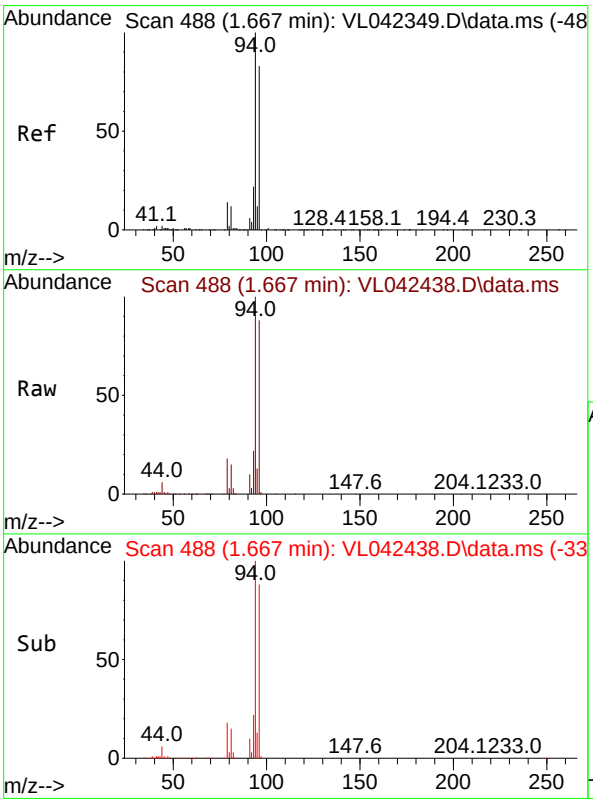
Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations
APPROVED

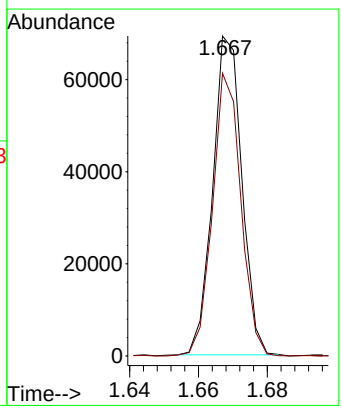
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

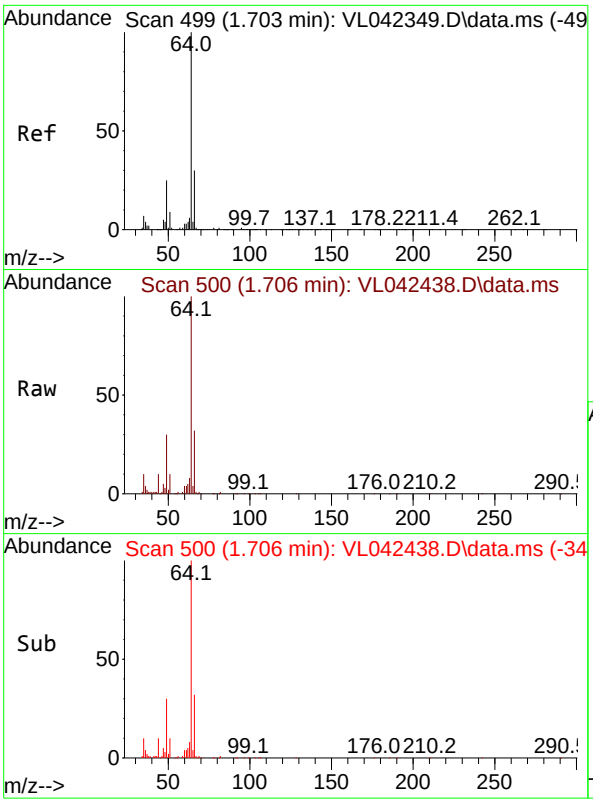


#6
Bromomethane
Concen: 10.676 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 94 Resp: 40758

Ion	Ratio	Lower	Upper
94	100		
96	88.5	66.2	99.2

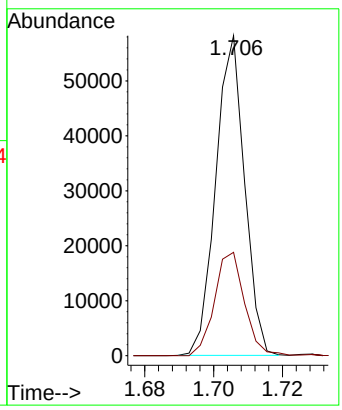




#7
Chloroethane
Concen: 10.502 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 64 Resp: 3375

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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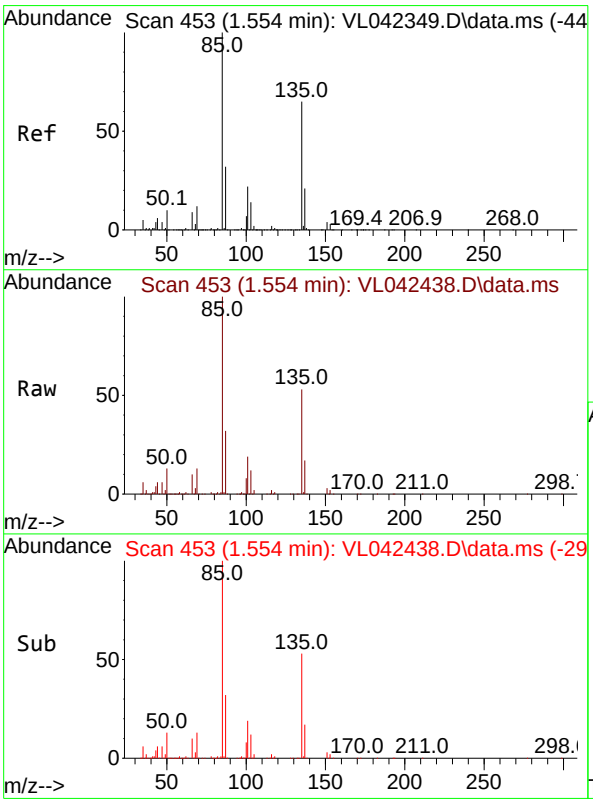
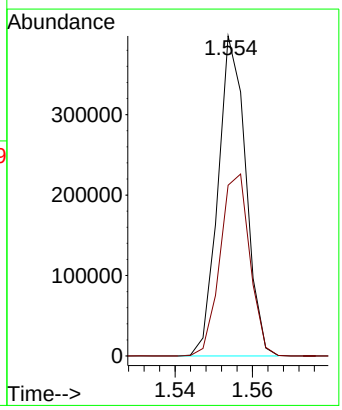
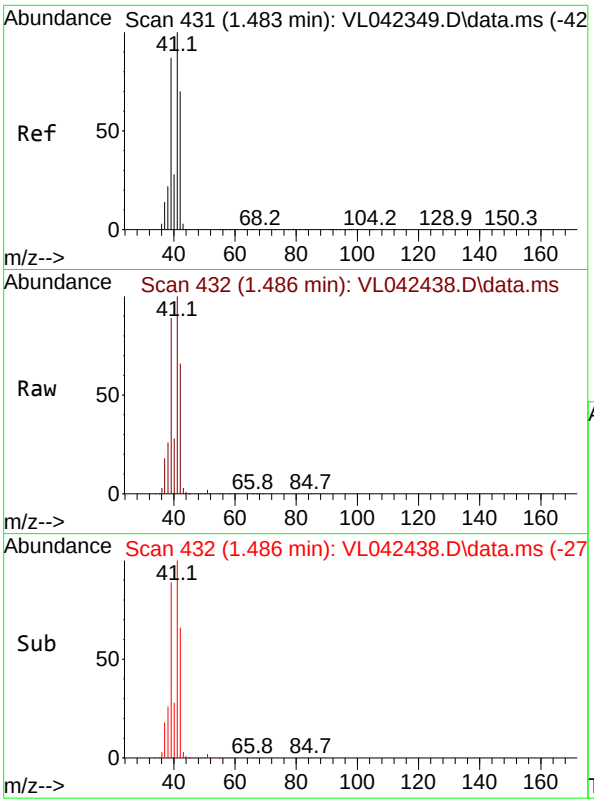


#8
Dichlorotetrafluoroethane
Concen: 11.184 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 85 Resp: 198106

Ion	Ratio	Lower	Upper
85	100		
135	61.2	52.2	78.2

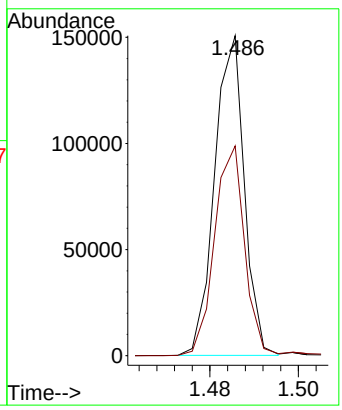




#9
Propene
Concen: 7.836 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 41 Resp: 7011

Ion	Ratio	Lower	Upper
41	100		
42	67.7	56.2	84.4



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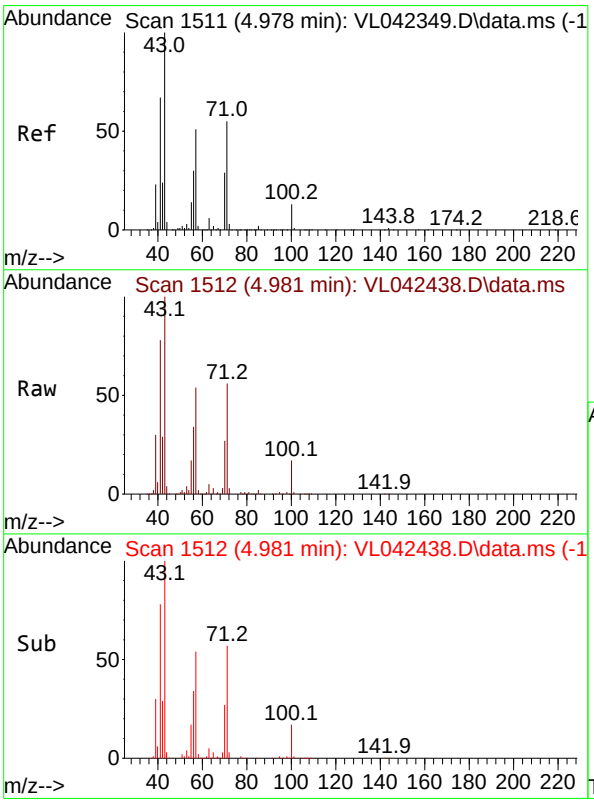
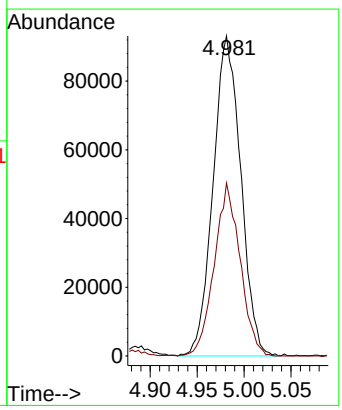
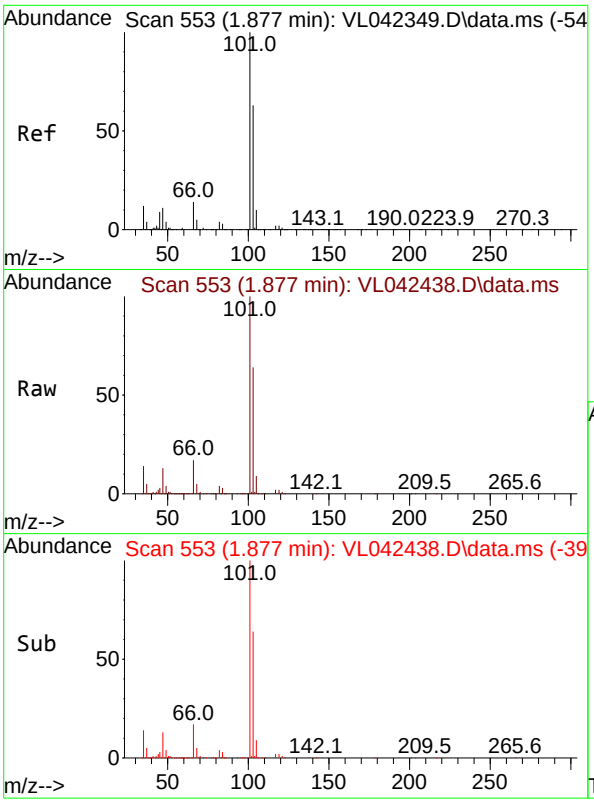


#10
Heptane
Concen: 7.582 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 190583

Ion	Ratio	Lower	Upper
43	100		
57	50.6	39.9	59.9

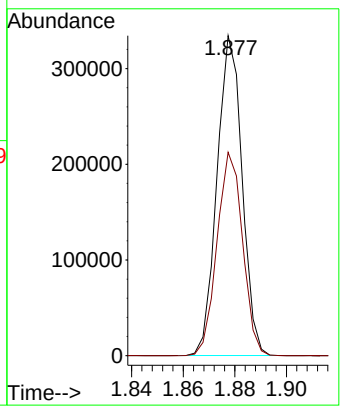




#11
Trichlorofluoromethane
Concen: 11.484 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:101 Resp: 22530

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.1	75.1



Instrument :
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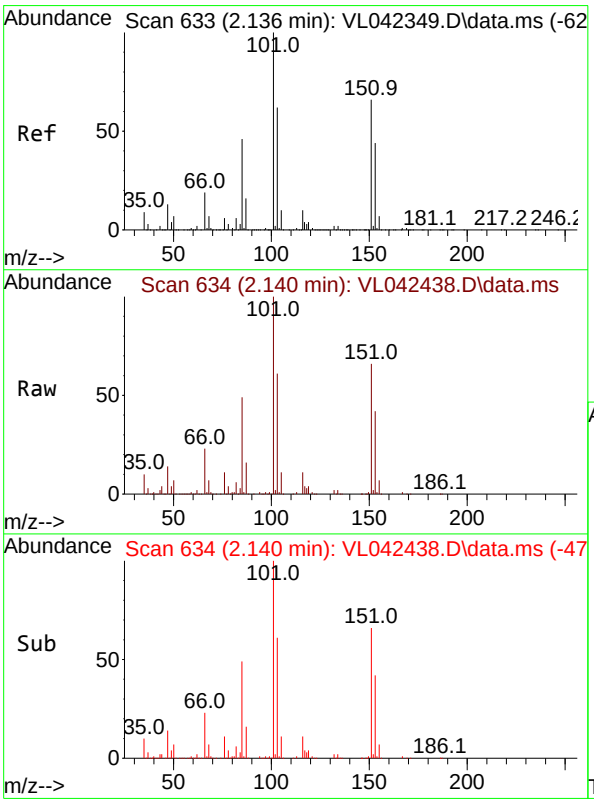
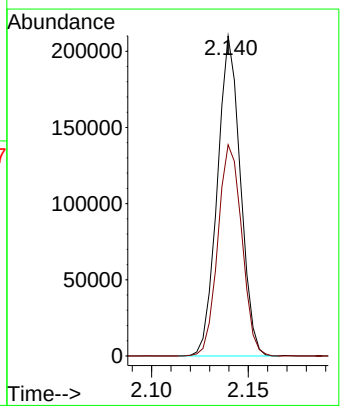
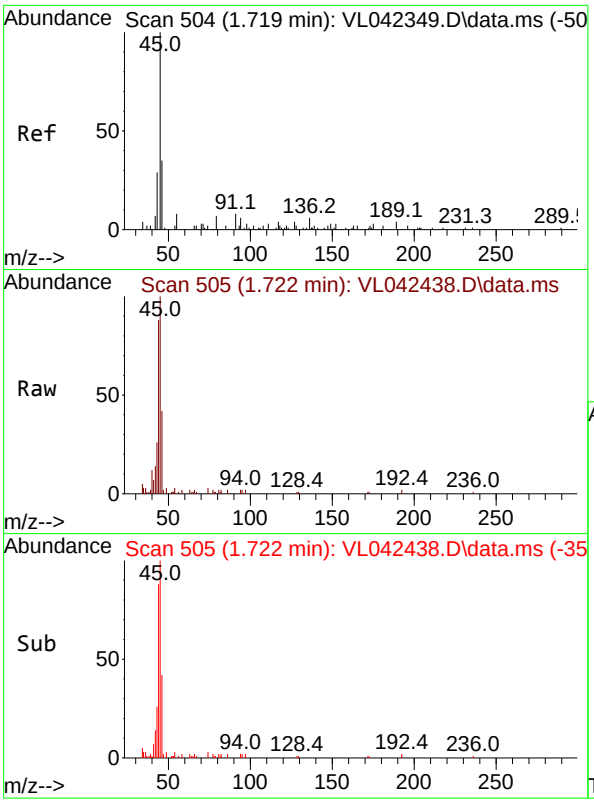


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.854 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:101 Resp: 174111

Ion	Ratio	Lower	Upper
101	100		
151	68.5	57.0	85.6

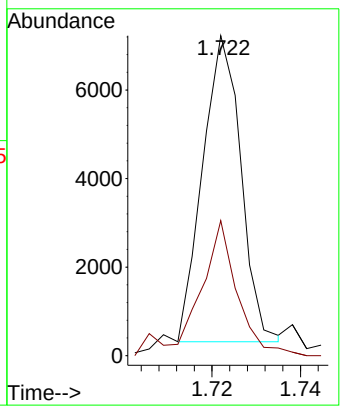




#13
Ethanol
Concen: 2.909 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 45 Resp: 413

Ion	Ratio	Lower	Upper
45	100		
46	47.5	21.9	87.7



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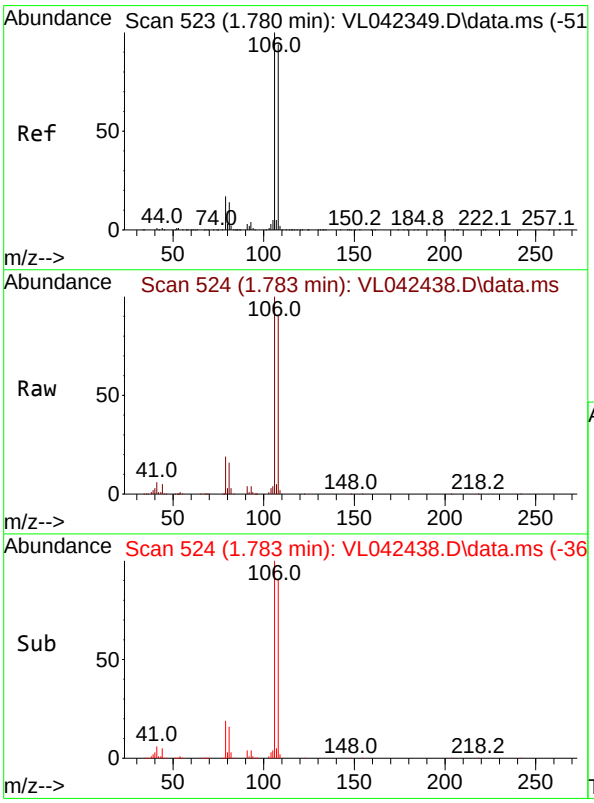
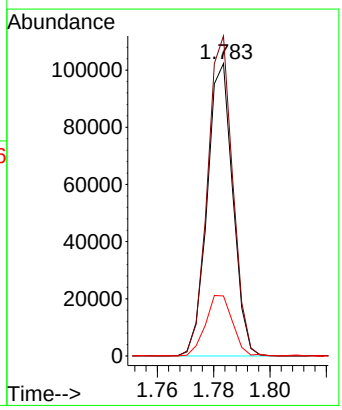
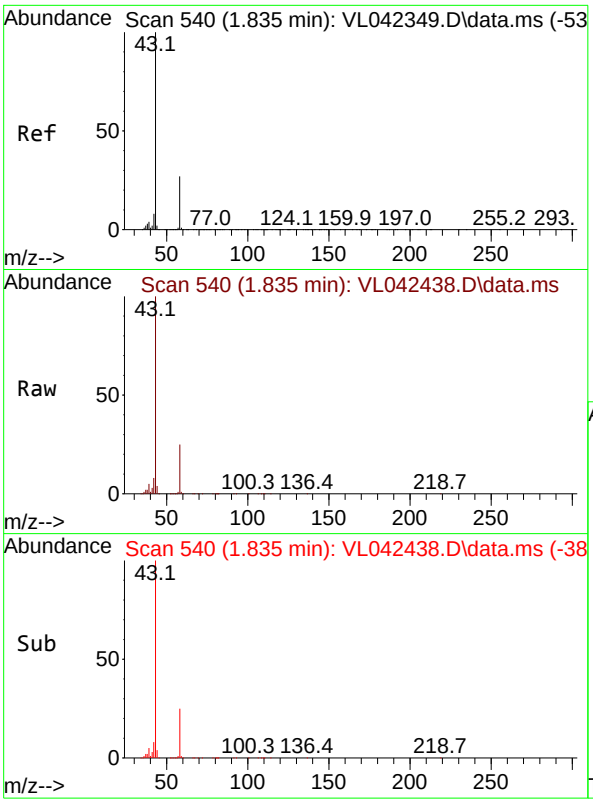


#14
Bromoethene
Concen: 10.674 ppbv
RT: 1.783 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:108 Resp: 64544

Ion	Ratio	Lower	Upper
108	100		
106	108.0	85.9	128.9
79	22.1	13.9	20.9#

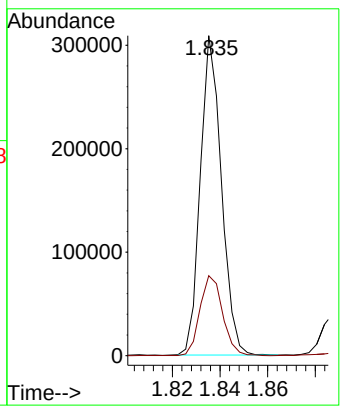




#15
Acetone
Concen: 9.910 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 18943

Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.4	33.6



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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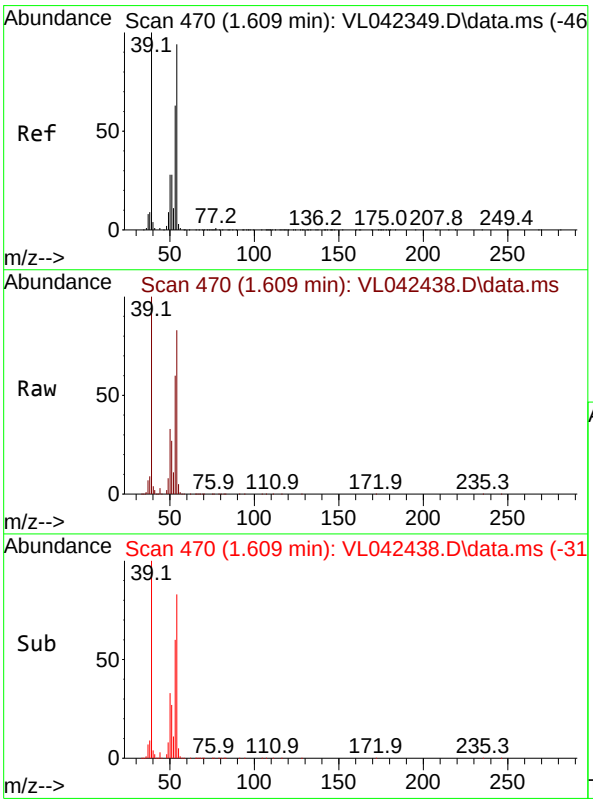
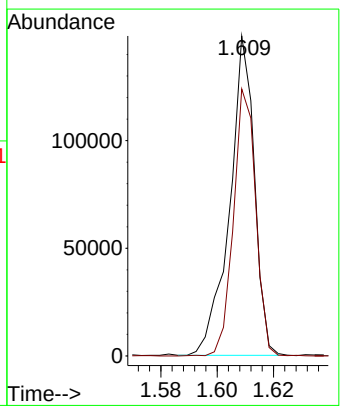
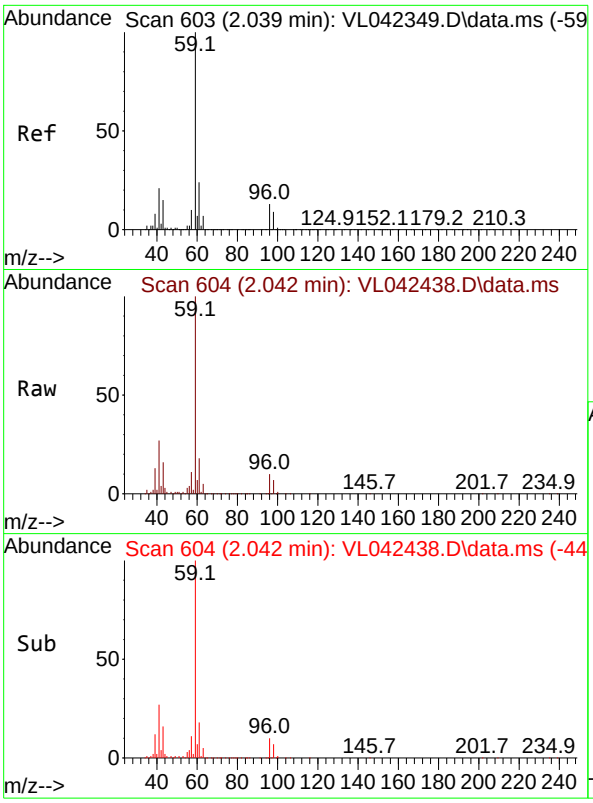


#16
1,3-Butadiene
Concen: 9.895 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 39 Resp: 90473

Ion	Ratio	Lower	Upper
39	100		
54	75.1	64.9	97.3

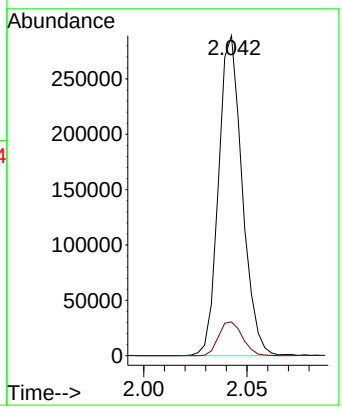




#17
tert-Butyl alcohol
Concen: 9.718 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 59 Resp: 23021

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
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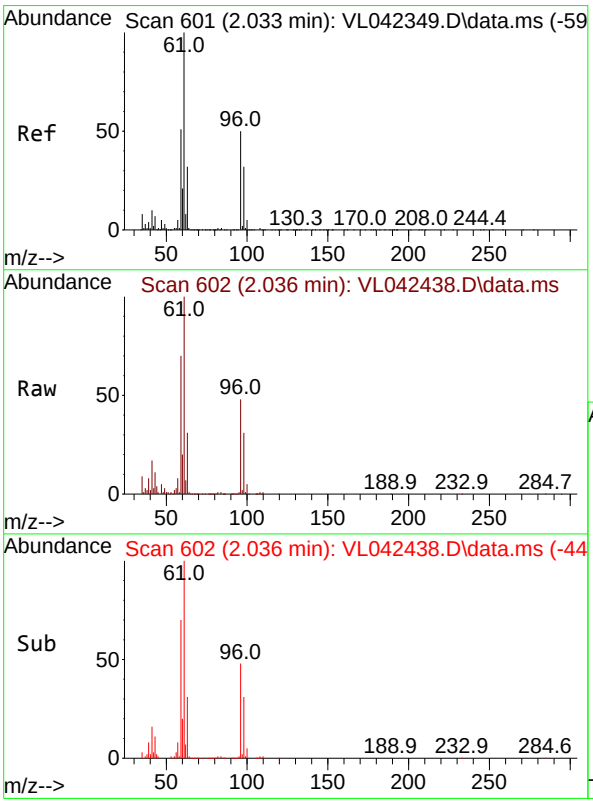
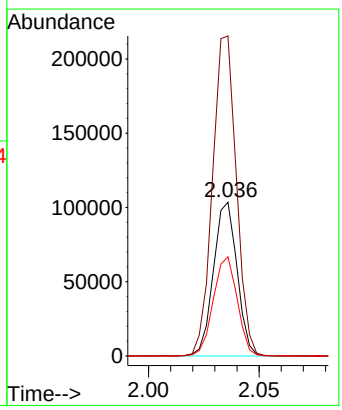
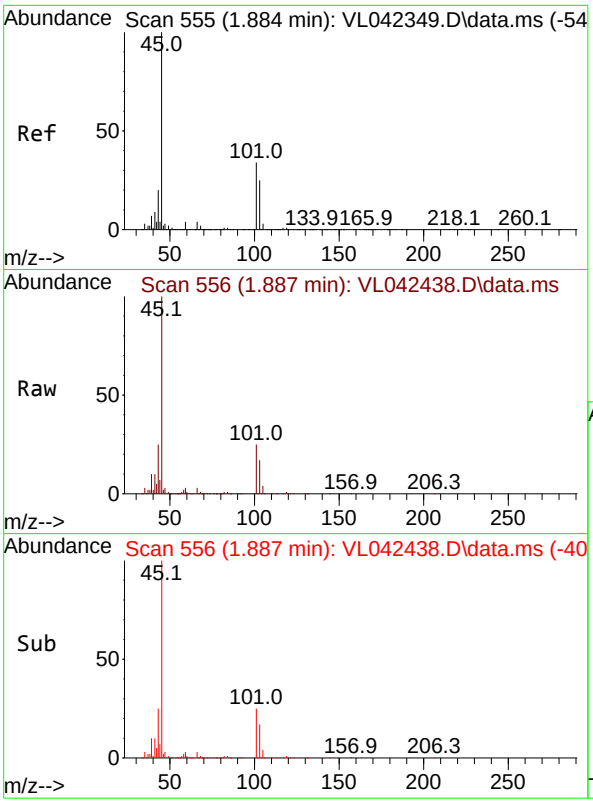


#18
1,1-Dichloroethene
Concen: 10.241 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 96 Resp: 76749

Ion	Ratio	Lower	Upper
96	100		
61	208.1	160.2	240.2
98	64.5	51.0	76.4





#19
Isopropyl Alcohol
Concen: 9.765 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 45 Resp: 10369

Ion	Ratio	Lower	Upper
45	100		
58	2.2	34.5	51.7#

Instrument :
MSVOA_L
ClientSampleId :
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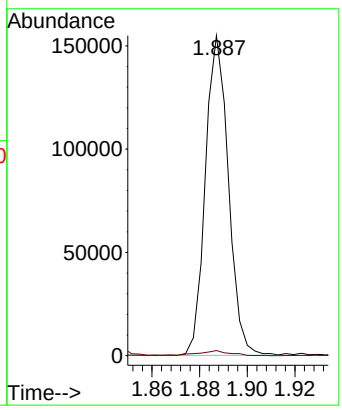
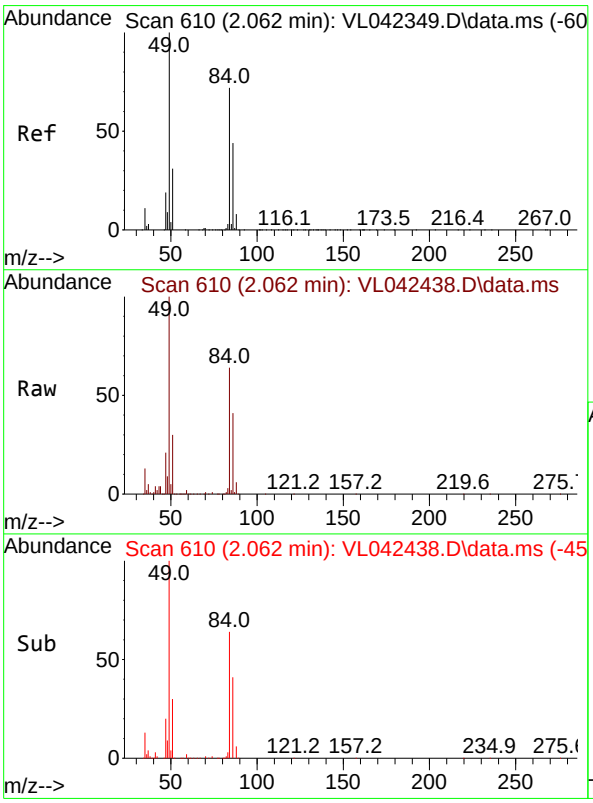
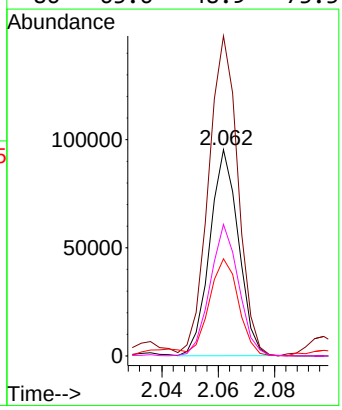


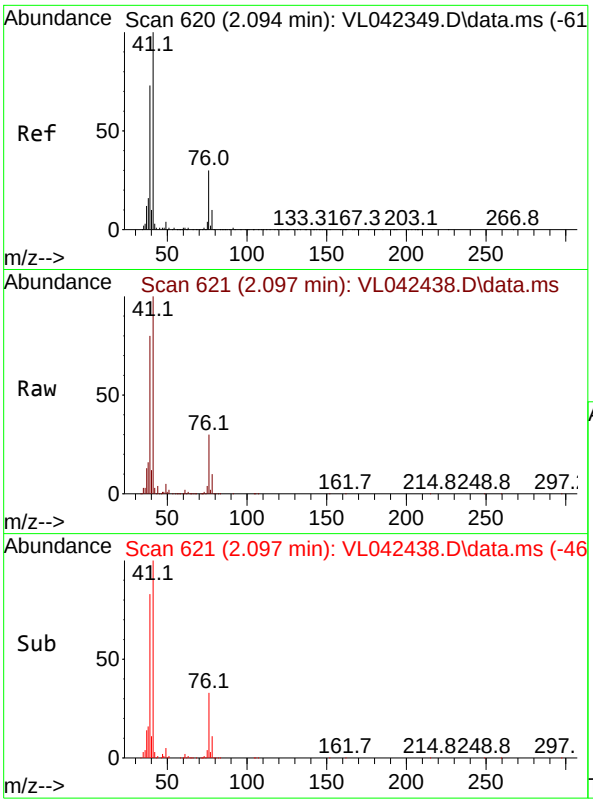


#20
Methylene Chloride
Concen: 8.989 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 84 Resp: 67298

Ion	Ratio	Lower	Upper
84	100		
49	155.2	111.6	167.4
51	47.0	35.1	52.7
86	63.6	48.9	73.3

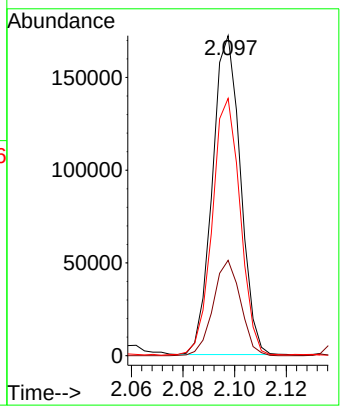




#21
Allyl Chloride
Concen: 9.851 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 41 Resp: 13001

Ion	Ratio	Lower	Upper
41	100		
76	29.2	24.8	37.2
39	80.1	60.6	90.8



Instrument :
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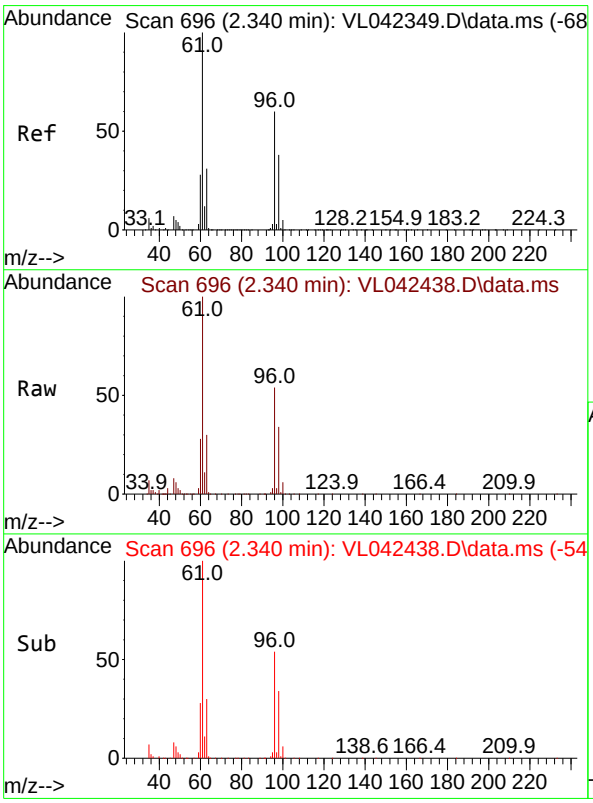
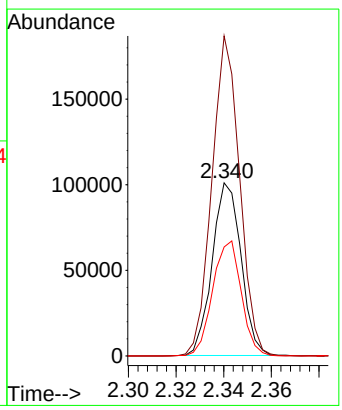
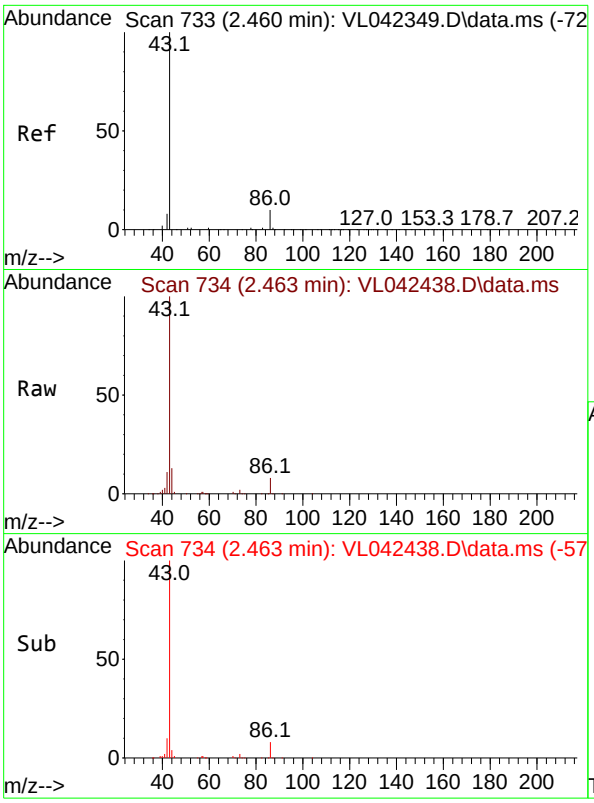


#22
trans-1,2-Dichloroethene
Concen: 9.938 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 96 Resp: 84797

Ion	Ratio	Lower	Upper
96	100		
61	185.1	133.7	200.5
98	63.1	50.3	75.5

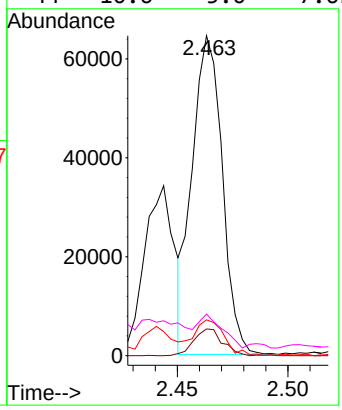




#23
Vinyl Acetate
Concen: 7.888 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 6103

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.5	9.7
42	11.0	7.8	11.8
44	10.6	5.0	7.6#



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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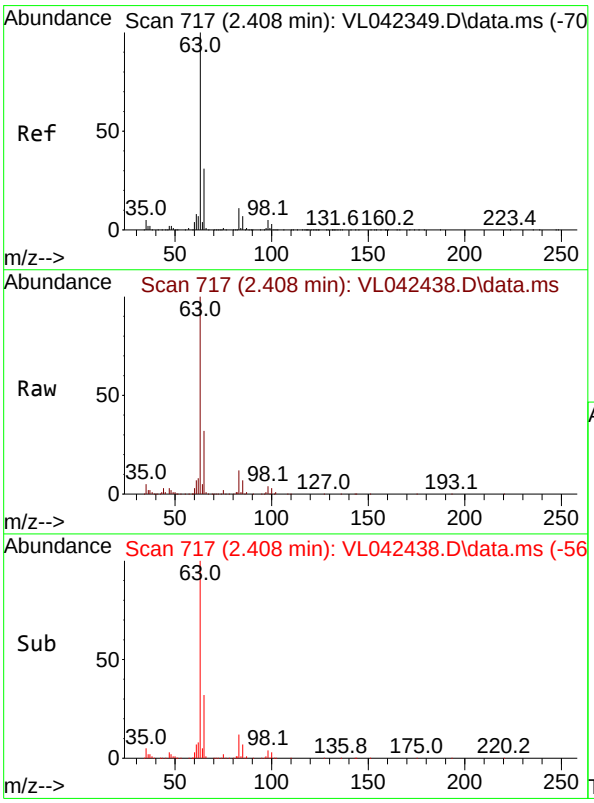
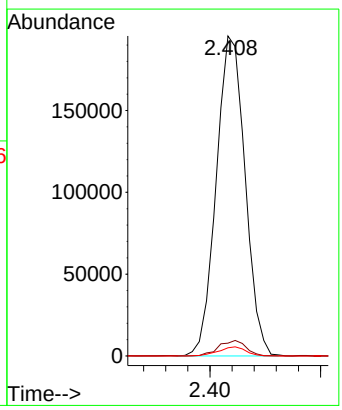
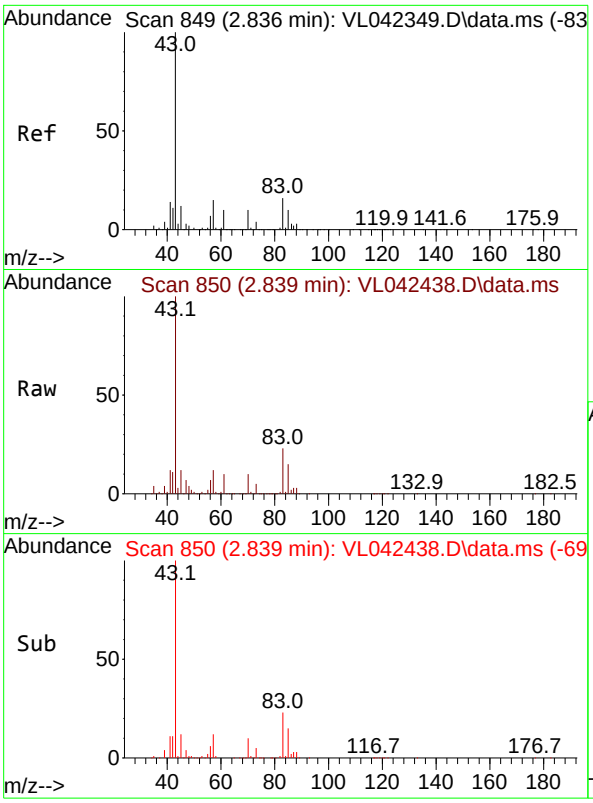


#24
1,1-Dichloroethane
Concen: 10.934 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 63 Resp: 177233

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.8
100	2.6	1.6	4.8

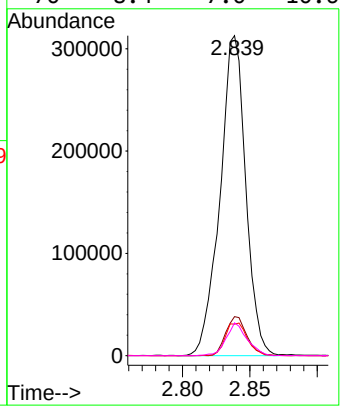




#25
Ethyl Acetate
Concen: 8.836 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 41646

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.3	12.5
61	8.8	7.3	10.9
70	8.4	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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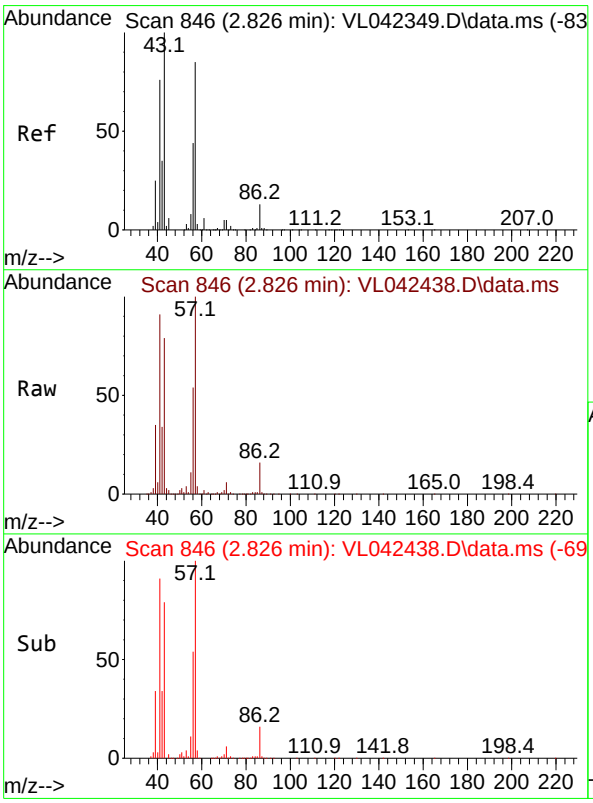
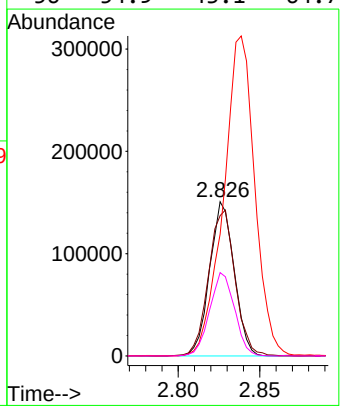
Supervised By :Mahesh Dadoda 04/30/2025

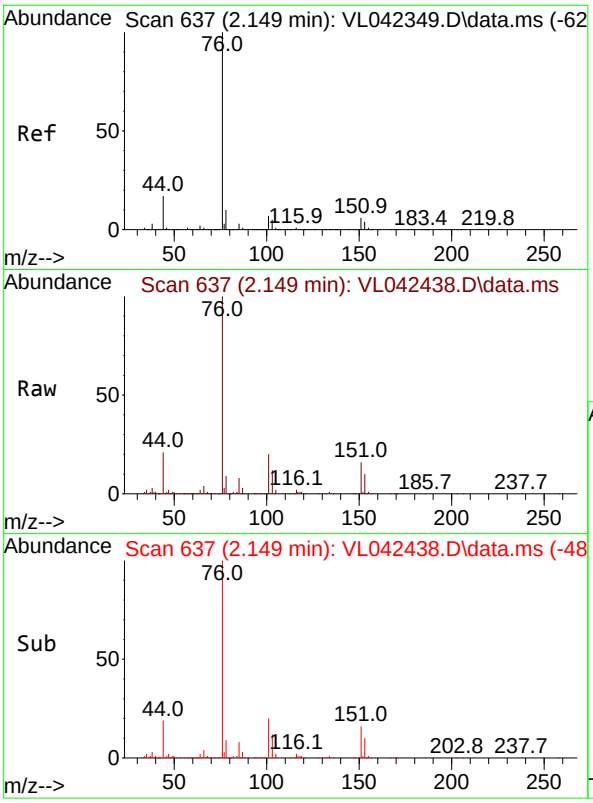


#26
Hexane
Concen: 8.260 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 57 Resp: 157544

Ion	Ratio	Lower	Upper
57	100		
41	103.2	77.9	116.9
43	265.6	208.4	312.6
56	54.9	43.1	64.7

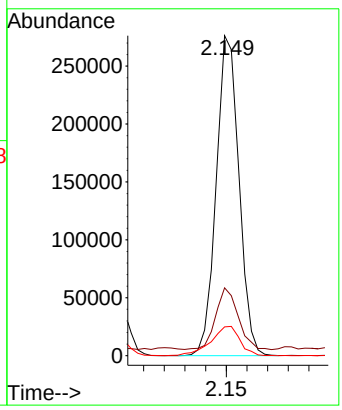




#27
Carbon Disulfide
Concen: 10.372 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 76 Resp: 21182

Ion	Ratio	Lower	Upper
76	100		
44	19.8	15.5	23.3
78	11.7	9.3	13.9



Instrument :
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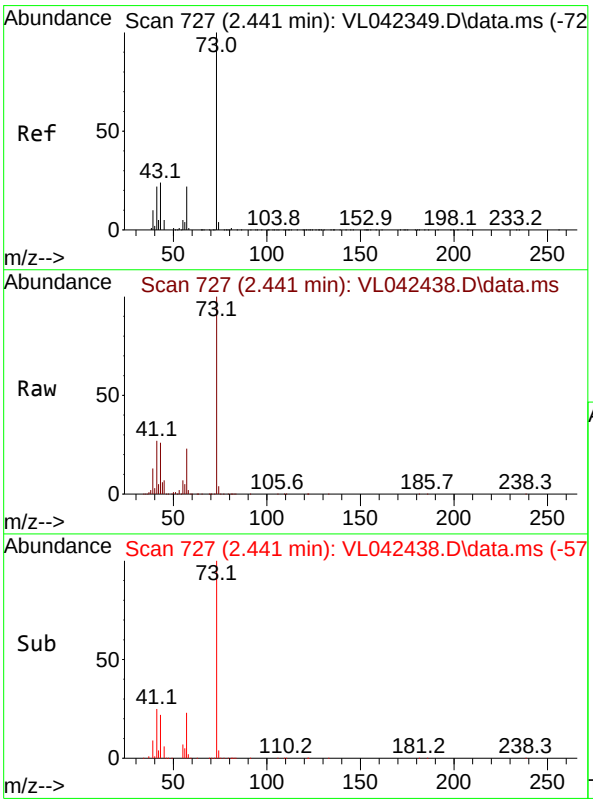
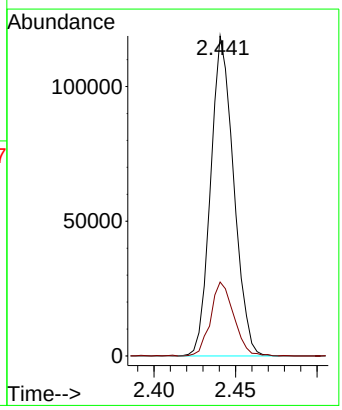
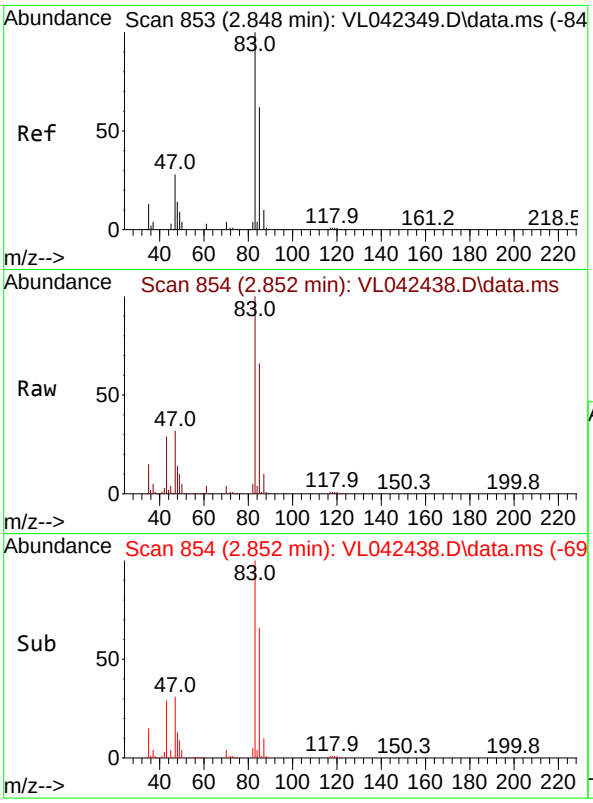


#28
Methyl tert-Butyl Ether
Concen: 9.344 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 73 Resp: 116769

Ion	Ratio	Lower	Upper
73	100		
57	23.4	21.3	31.9





#29
Chloroform
Concen: 10.623 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 83 Resp: 28639

Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.0	75.0

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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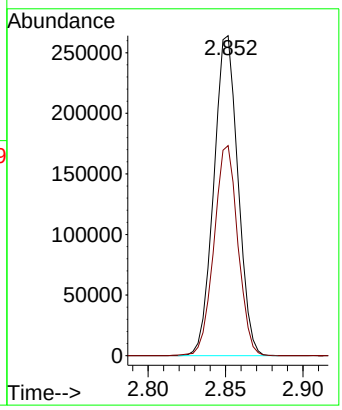
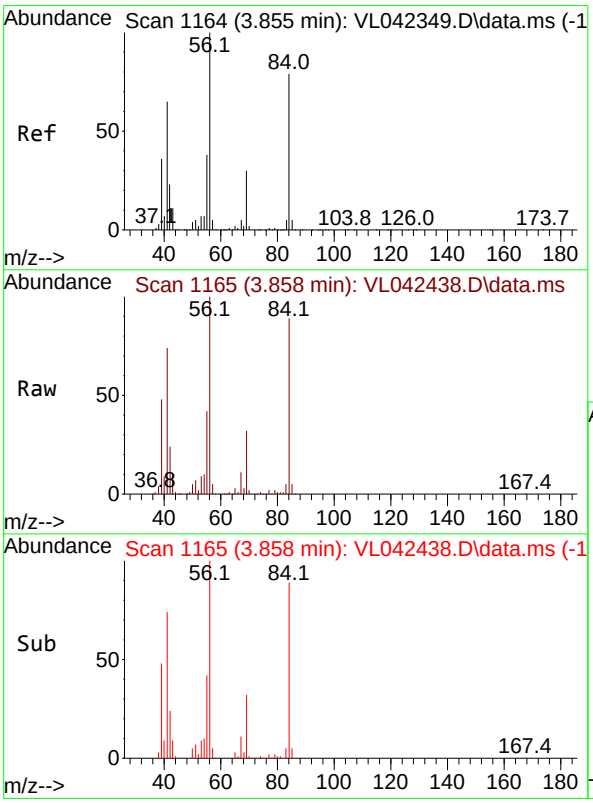
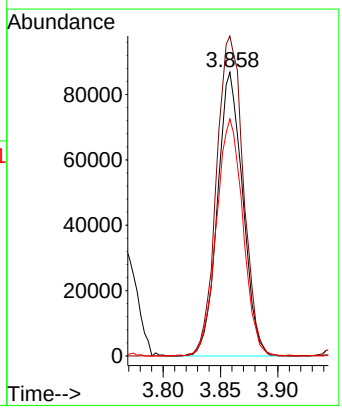


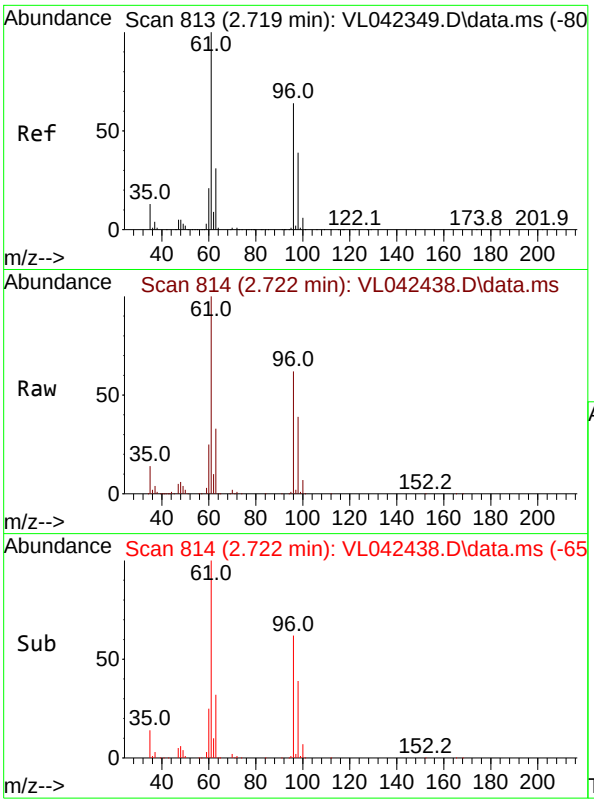


#30
Cyclohexane
Concen: 8.601 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 84 Resp: 132615

Ion	Ratio	Lower	Upper
84	100		
56	119.9	101.0	151.4
41	88.0	67.4	101.0

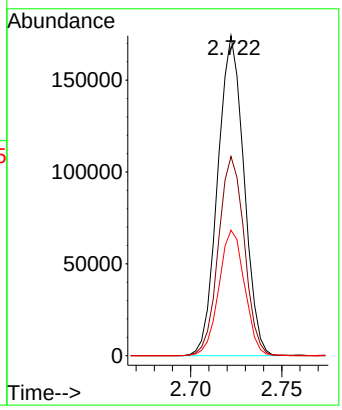




#31
cis-1,2-Dichloroethene
Concen: 9.613 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 61 Resp: 17432

Ion	Ratio	Lower	Upper
61	100		
96	62.3	50.8	76.2
98	39.2	30.9	46.3



Instrument :
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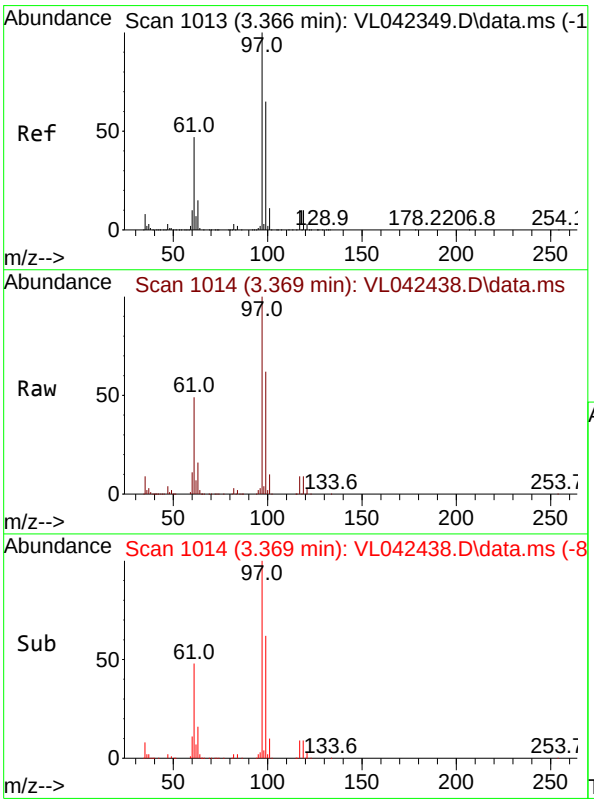
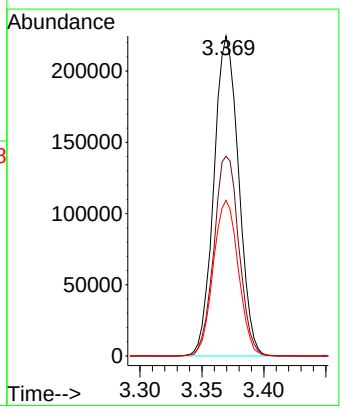
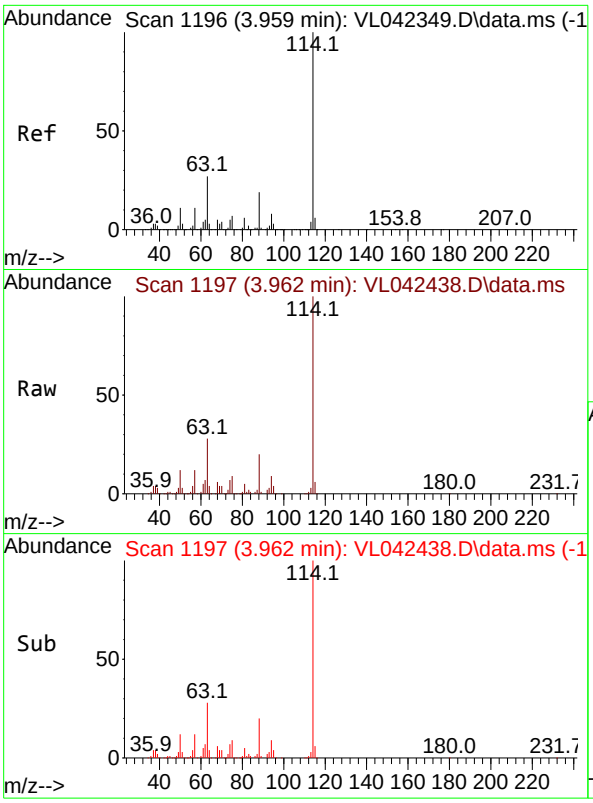


#32
1,1,1-Trichloroethane
Concen: 10.294 ppbv
RT: 3.369 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 97 Resp: 312429

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	49.4	38.8	58.2

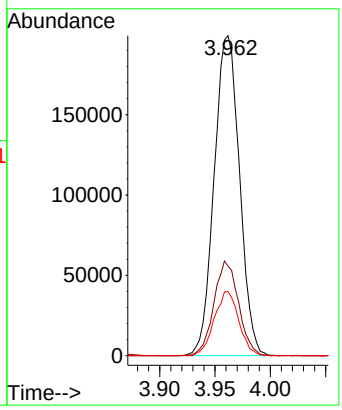




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:114 Resp: 31759

Ion	Ratio	Lower	Upper
114	100		
63	28.7	21.8	32.6
88	19.4	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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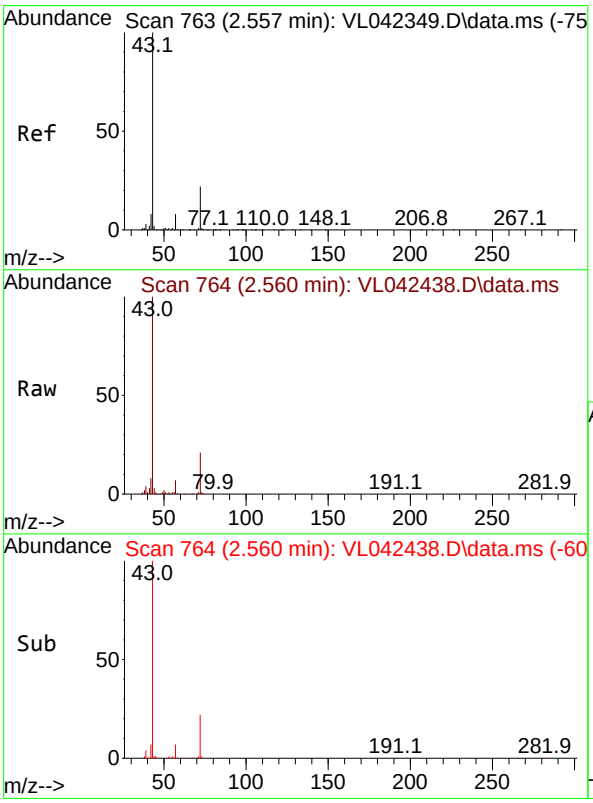
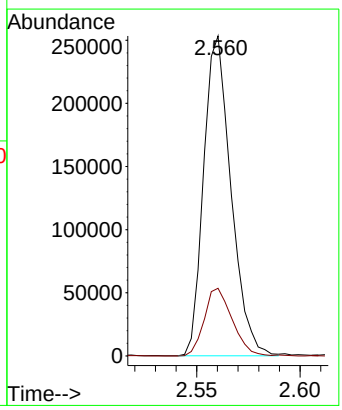
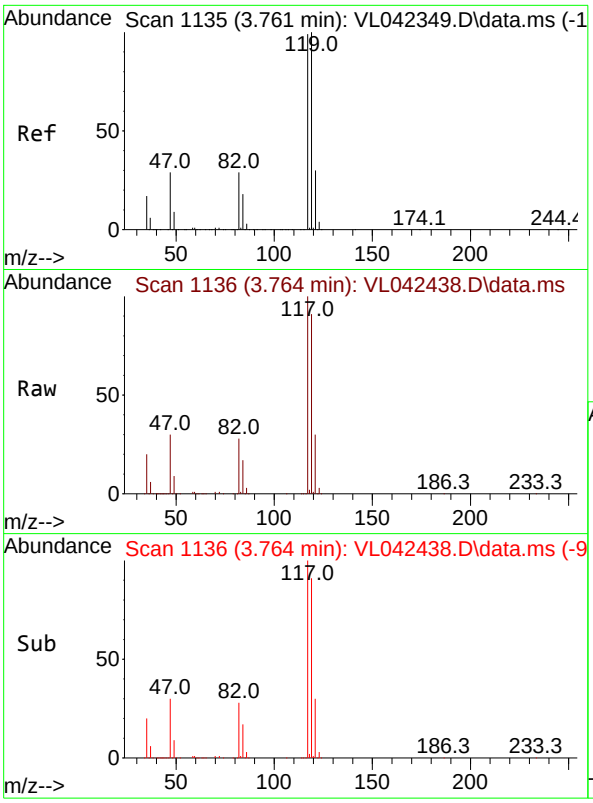


#34
2-Butanone
Concen: 9.278 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 233037

Ion	Ratio	Lower	Upper
43	100		
72	21.7	18.2	27.2

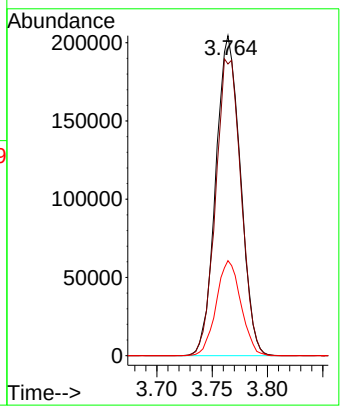




#35
Carbon Tetrachloride
Concen: 11.036 ppbv
RT: 3.764 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:117 Resp: 31720

Ion	Ratio	Lower	Upper
117	100		
119	91.1	80.5	120.7
121	29.7	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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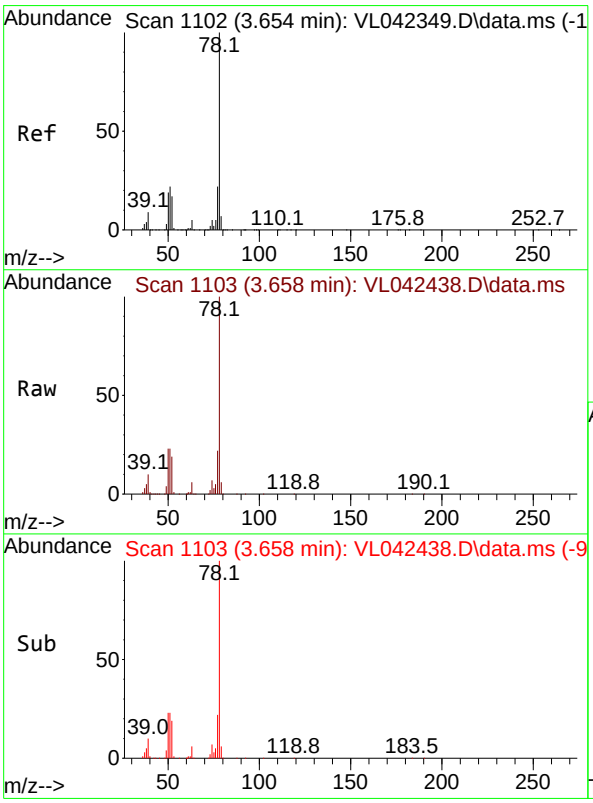
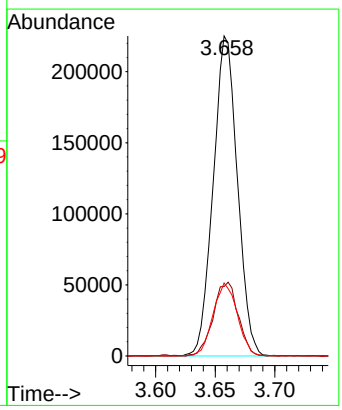
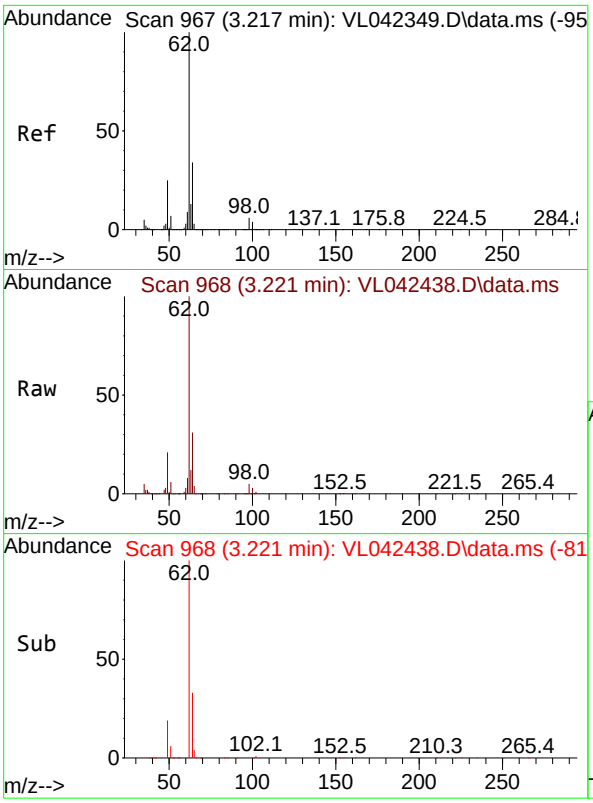


#36
Benzene
Concen: 9.264 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 78 Resp: 317350

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	22.8	15.5	23.3

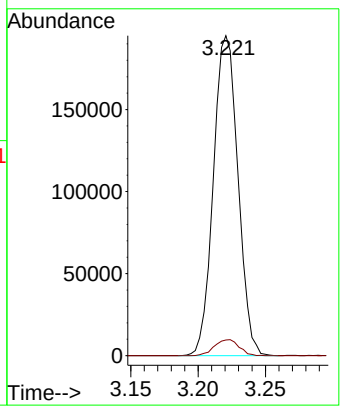




#37
1,2-Dichloroethane
Concen: 12.035 ppbv
RT: 3.221 min Scan# 9(
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 62 Resp: 24744(

Ion	Ratio	Lower	Upper
62	100		
98	5.0	5.1	7.7#



Instrument :
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ClientSampleId :
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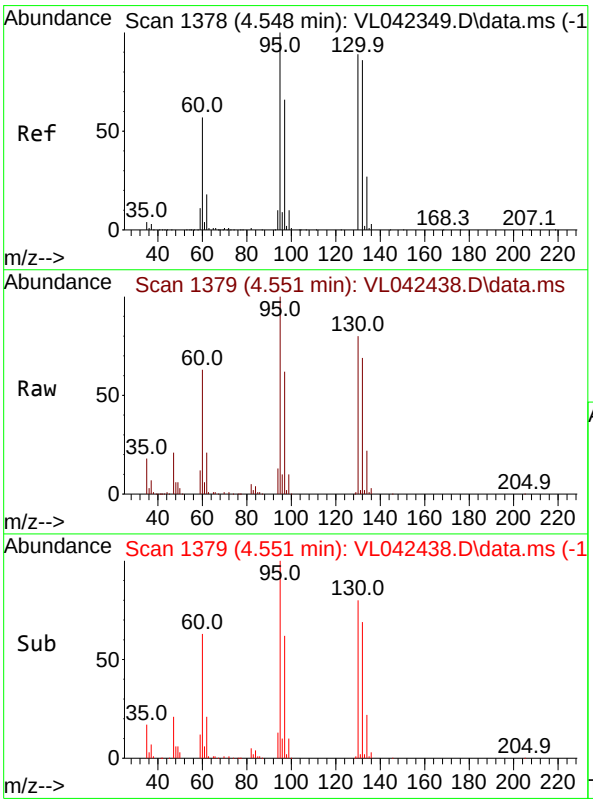
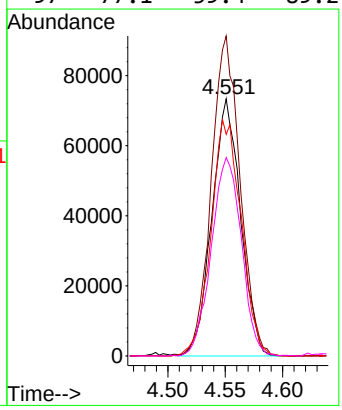
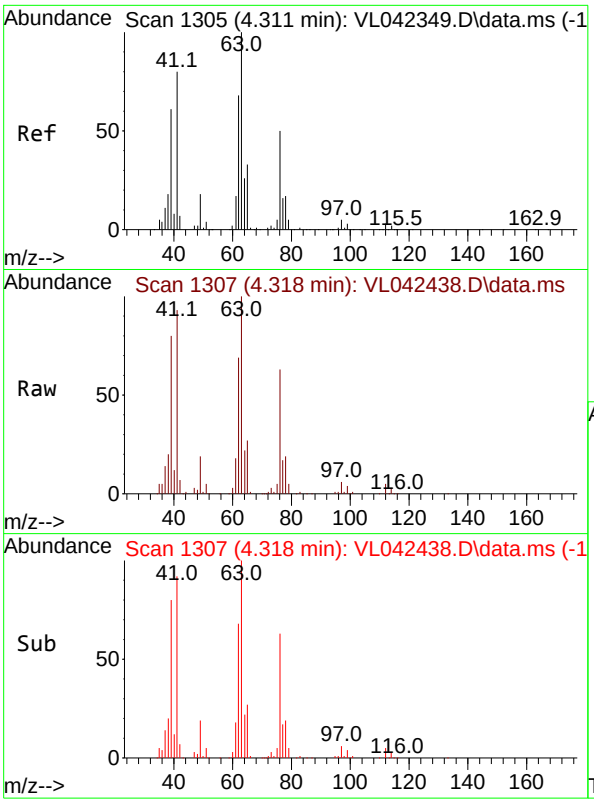


#38
Trichloroethene
Concen: 8.523 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:130 Resp: 127601

Ion	Ratio	Lower	Upper
130	100		
95	124.2	89.8	134.6
132	86.0	77.7	116.5
97	77.1	59.4	89.2

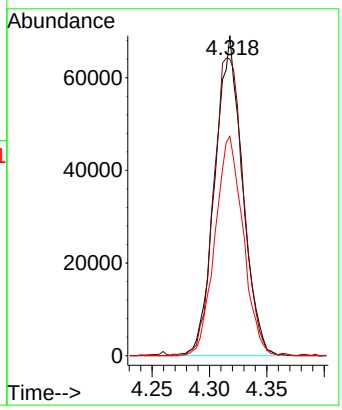




#39
1,2-Dichloropropane
Concen: 9.044 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 63 Resp: 11544

Ion	Ratio	Lower	Upper
63	100		
41	92.4	64.2	96.2
62	68.4	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
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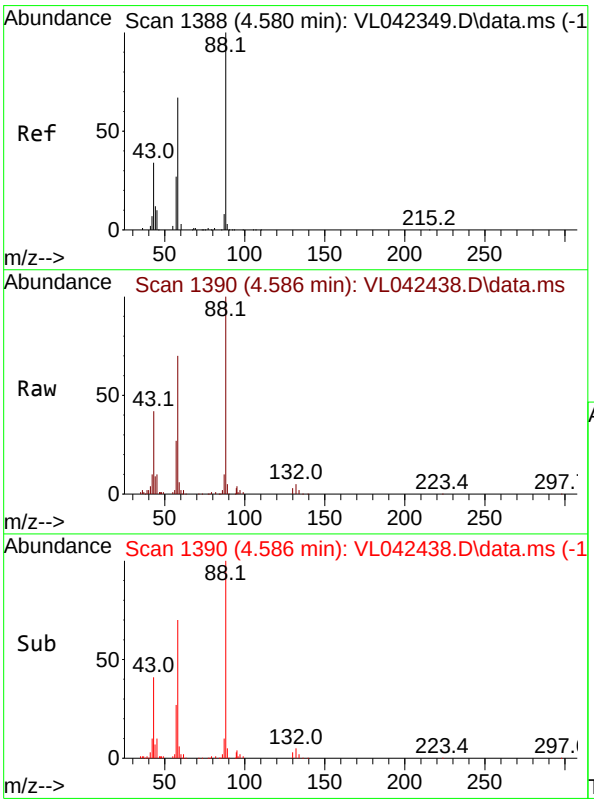
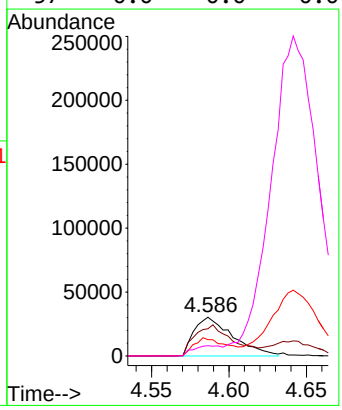
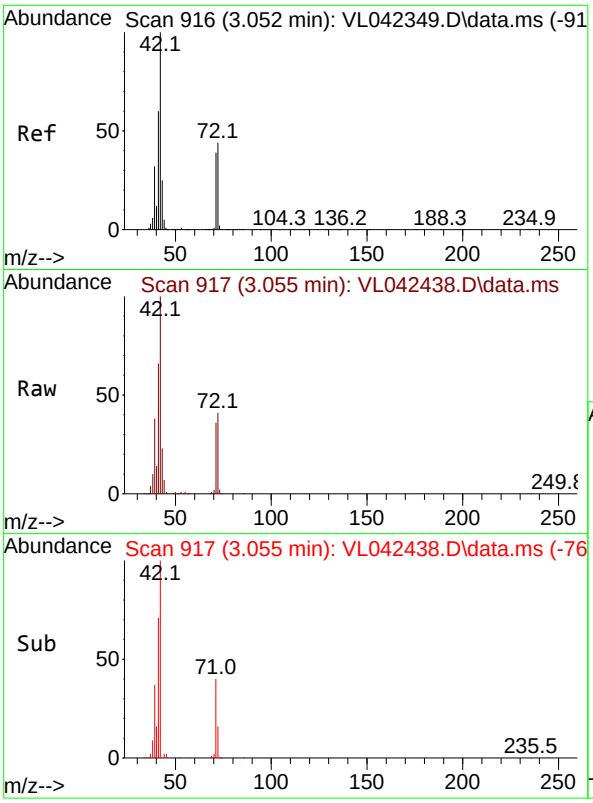


#40
1,4-Dioxane
Concen: 7.529 ppbv
RT: 4.586 min Scan# 1390
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 88 Resp: 52820

Ion	Ratio	Lower	Upper
88	100		
58	78.5	61.4	92.0
43	41.9	23.2	34.8#
57	0.0	0.0	0.0

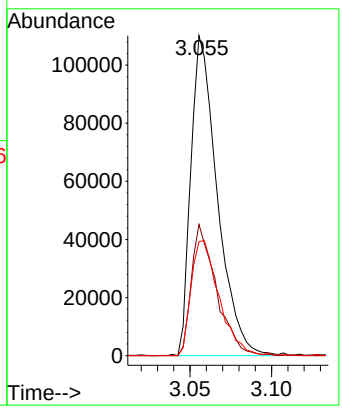




#41
Tetrahydrofuran
Concen: 8.471 ppbv
RT: 3.055 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 42 Resp: 12405

Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.3	48.5
71	38.4	31.4	47.2



Instrument :
MSVOA_L
ClientSampleId :
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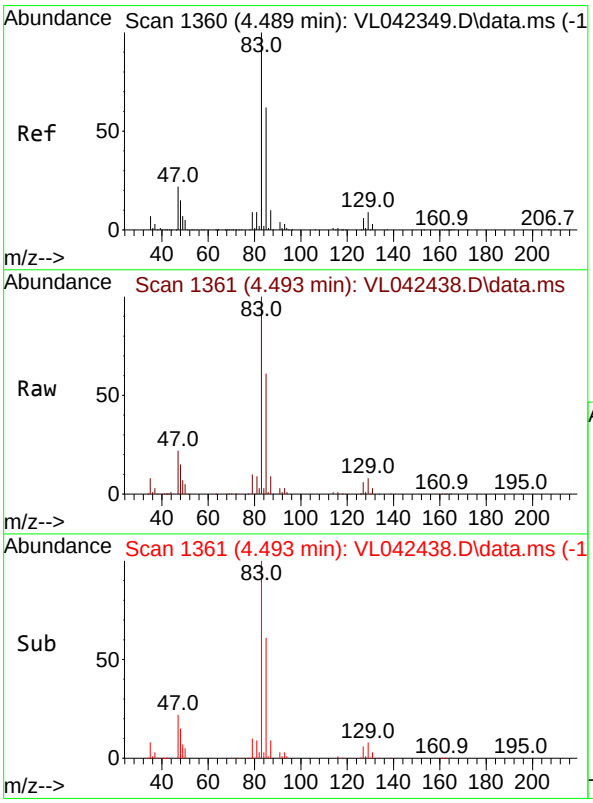
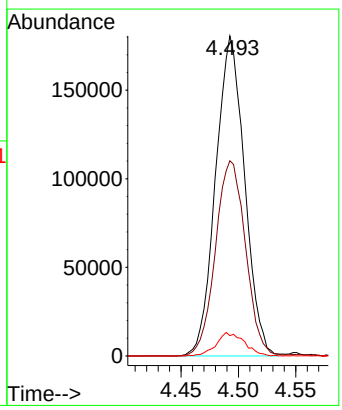
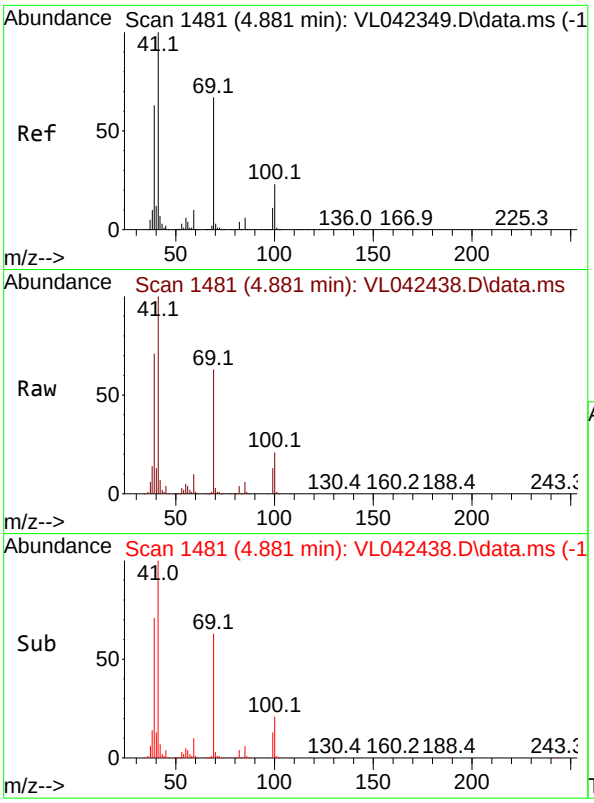


#42
Bromodichloromethane
Concen: 11.088 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 83 Resp: 317253

Ion	Ratio	Lower	Upper
83	100		
85	61.0	49.7	74.5
127	6.4	5.1	7.7

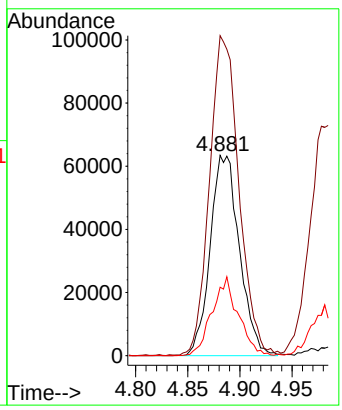




#43
Methyl Methacrylate
Concen: 8.020 ppbv m
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	177.8
100	35.4	28.2	42.2



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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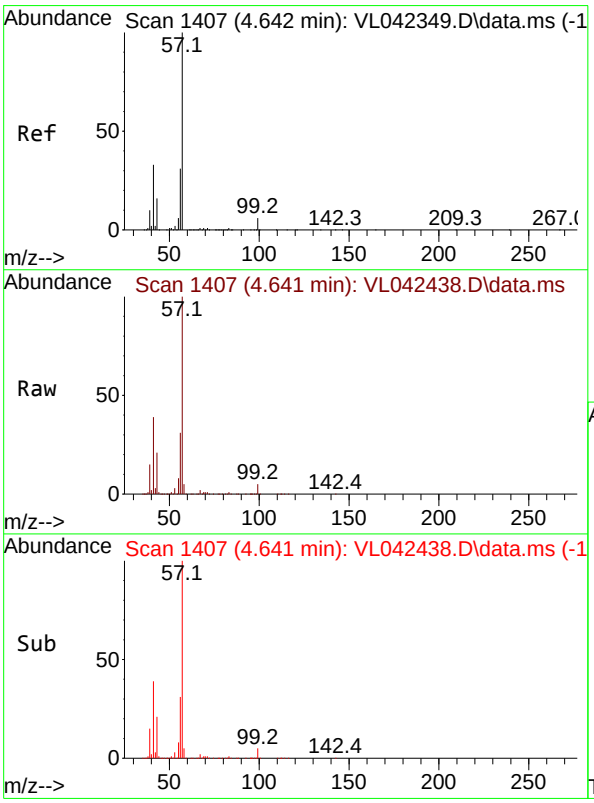
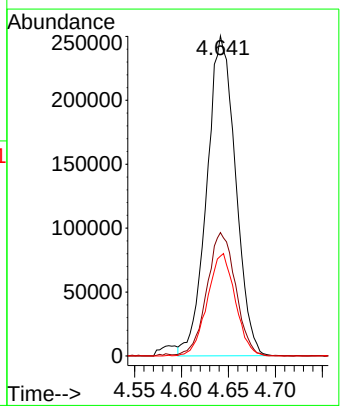
Supervised By :Mahesh Dadoda 04/30/2025

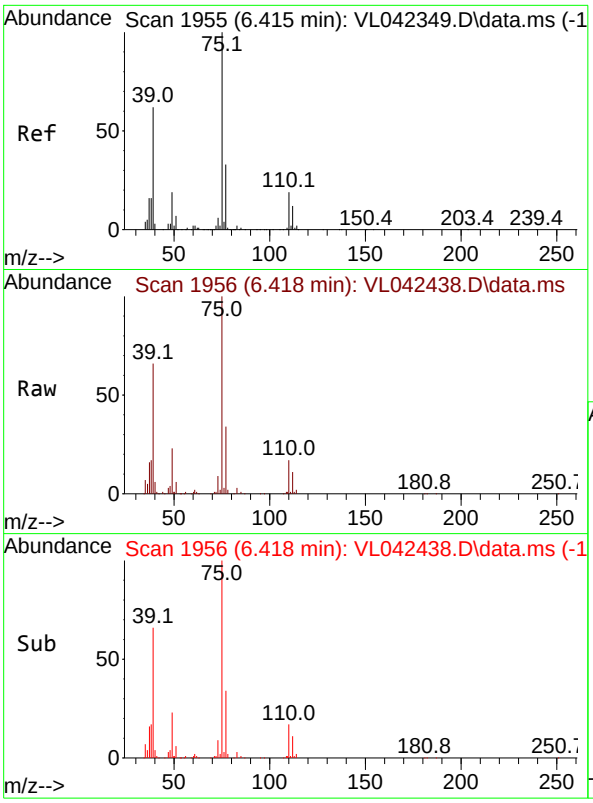


#44
2,2,4-Trimethylpentane
Concen: 8.983 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 57 Resp: 531439

Ion	Ratio	Lower	Upper
57	100		
41	39.1	27.2	40.8
56	31.1	25.7	38.5

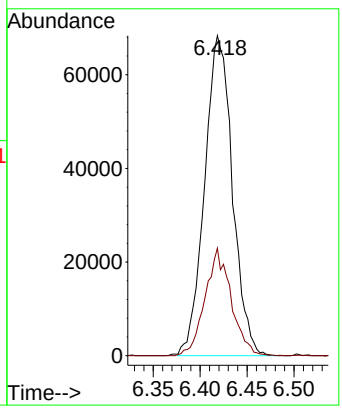




#45
t-1,3-Dichloropropene
Concen: 8.940 ppbv
RT: 6.418 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 75 Resp: 14098

Ion	Ratio	Lower	Upper
75	100		
77	33.6	27.0	40.6



Instrument :
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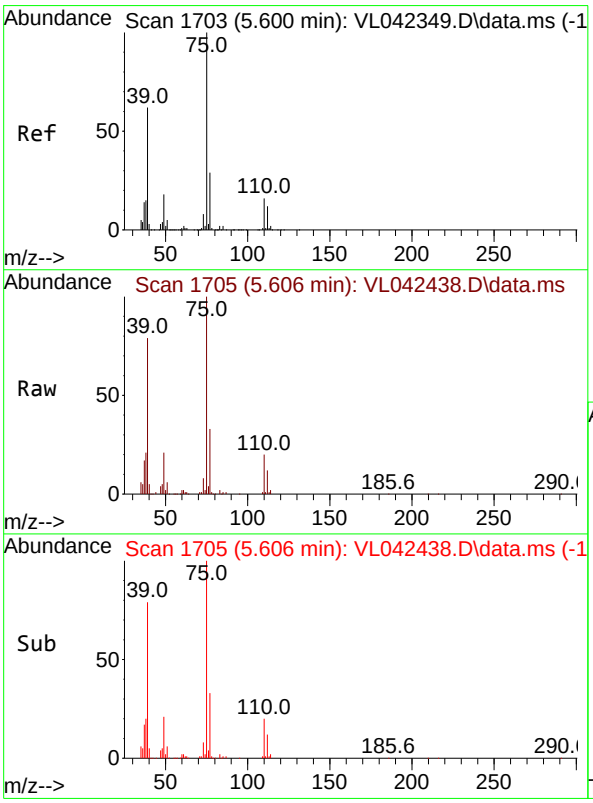
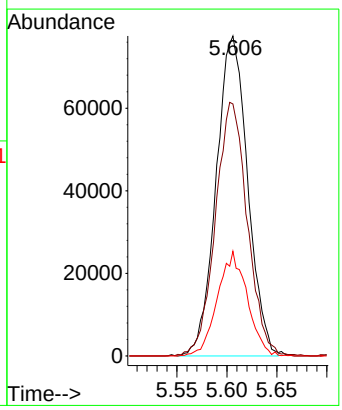
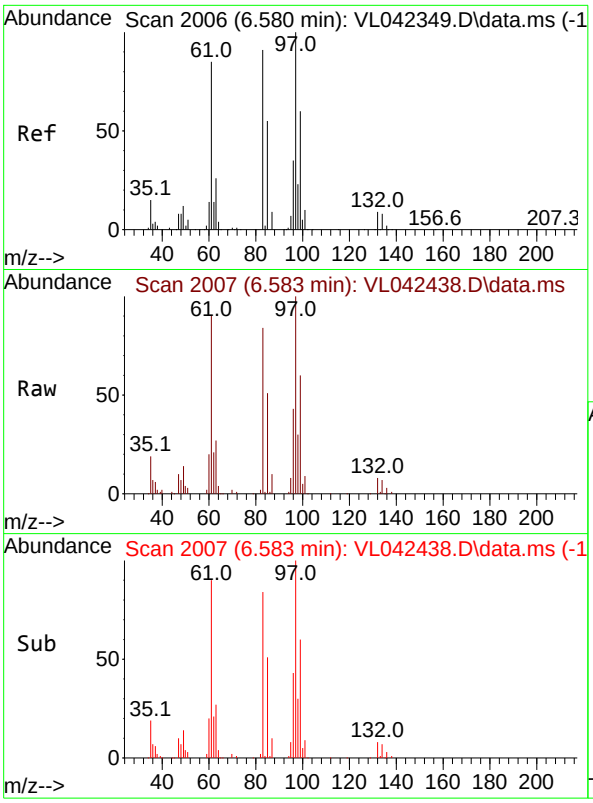


#46
cis-1,3-Dichloropropene
Concen: 8.811 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 75 Resp: 170063

Ion	Ratio	Lower	Upper
75	100		
39	78.3	50.0	75.0#
77	32.7	23.0	34.6

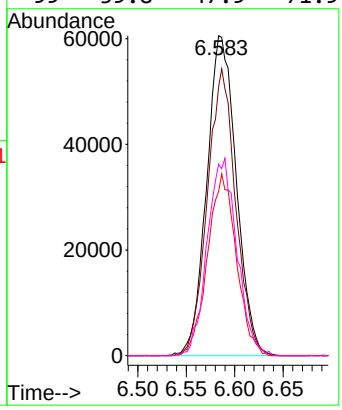




#47
1,1,2-Trichloroethane
Concen: 9.893 ppbv
RT: 6.583 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 97 Resp: 12866

Ion	Ratio	Lower	Upper
97	100		
83	84.0	72.8	109.2
85	51.4	44.2	66.4
99	59.8	47.9	71.9



Instrument :
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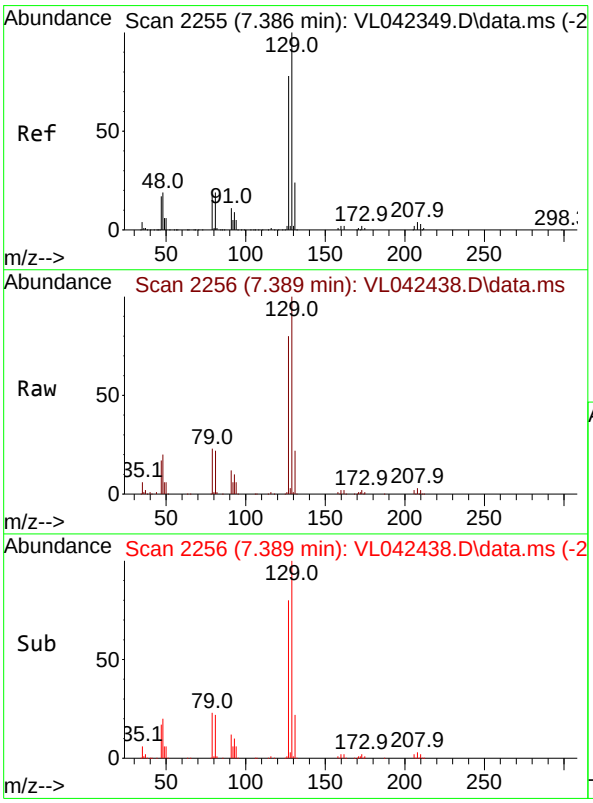
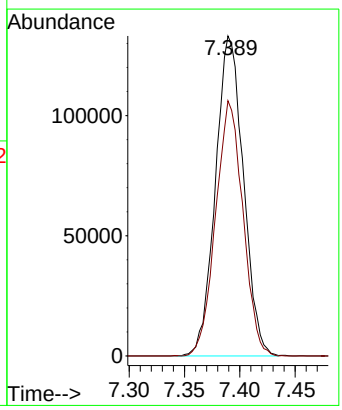
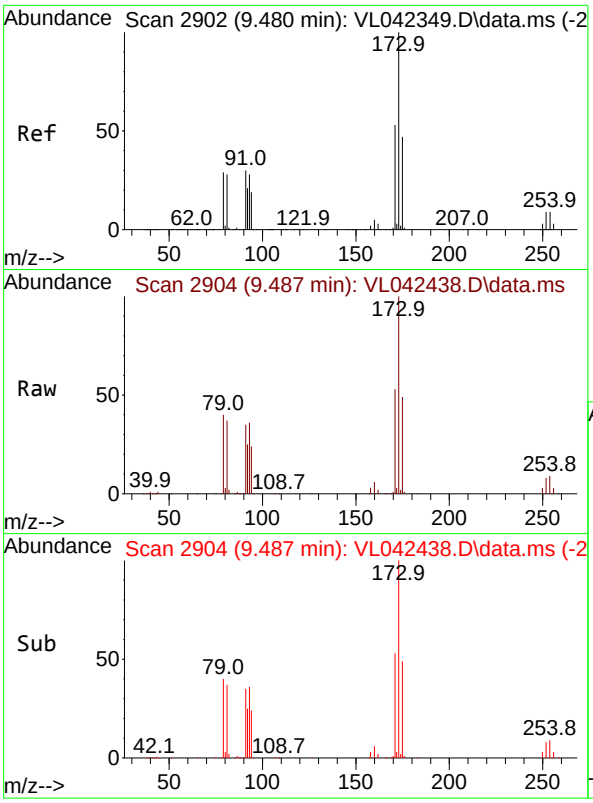


#48
Dibromochloromethane
Concen: 10.156 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:129 Resp: 233350

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3

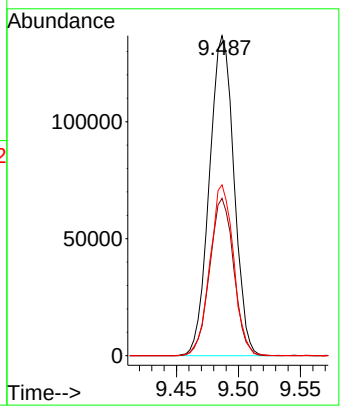




#49
Bromoform
Concen: 9.431 ppbv
RT: 9.487 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:173 Resp: 18948

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.2	57.2
171	51.4	40.9	61.3



Instrument :
MSVOA_L
ClientSampleId :
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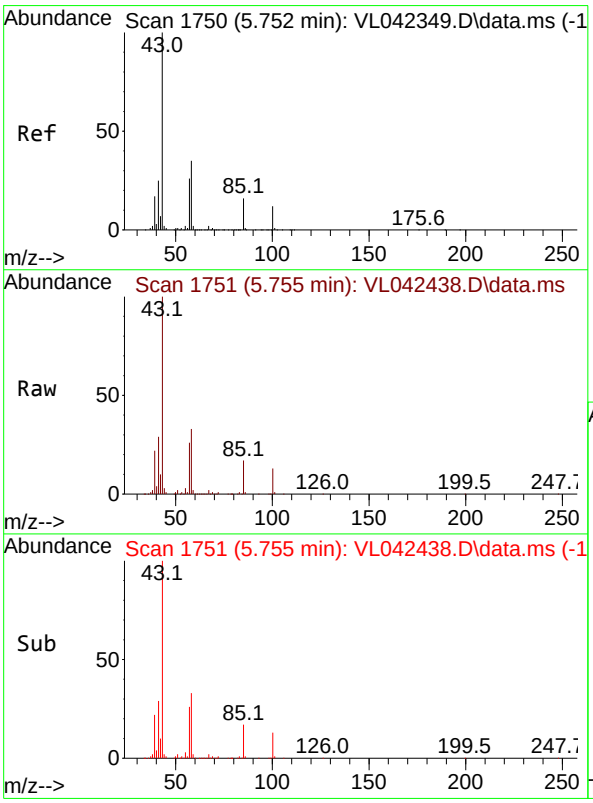
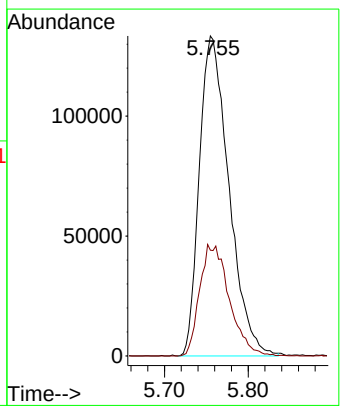
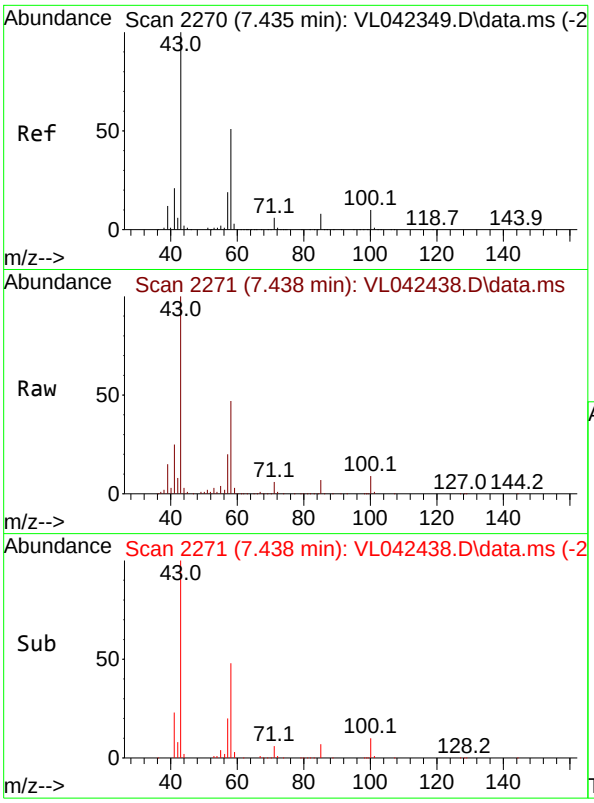


#50
4-Methyl-2-Pentanone
Concen: 7.846 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 327508

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	43.0

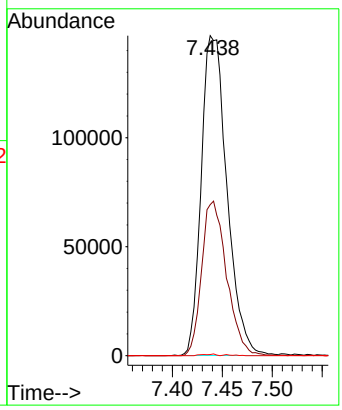




#51
2-Hexanone
Concen: 7.018 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 26269

Ion	Ratio	Lower	Upper
43	100		
58	47.0	40.2	60.4
98	0.4	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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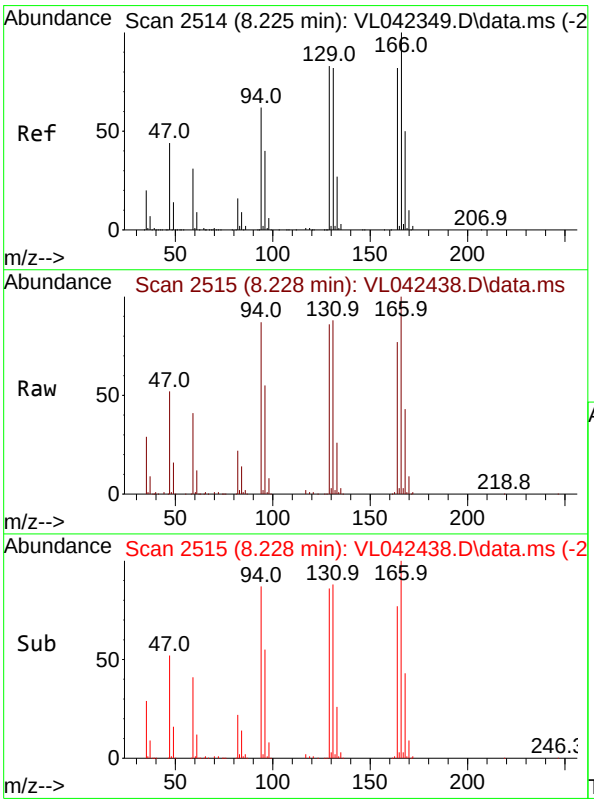
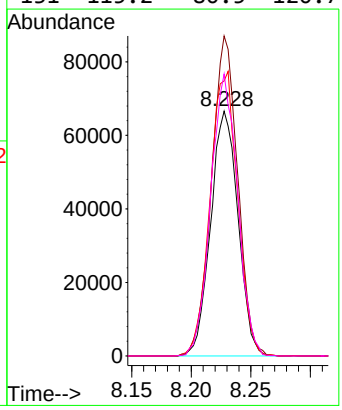
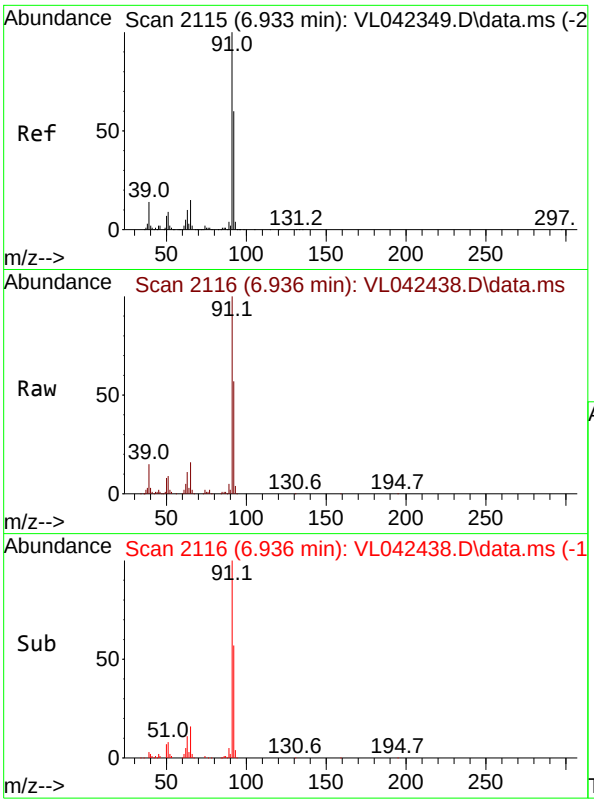


#52
Tetrachloroethene
Concen: 8.008 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:164 Resp: 106031

Ion	Ratio	Lower	Upper
164	100		
166	130.7	98.2	147.2
129	112.3	81.8	122.8
131	115.2	80.5	120.7

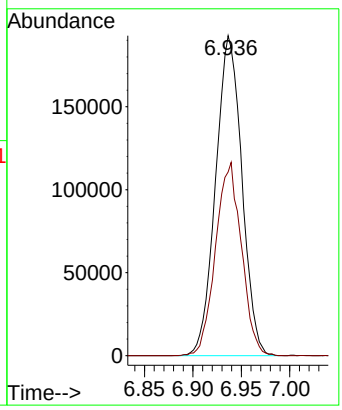




#53
Toluene
Concen: 8.848 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 36370

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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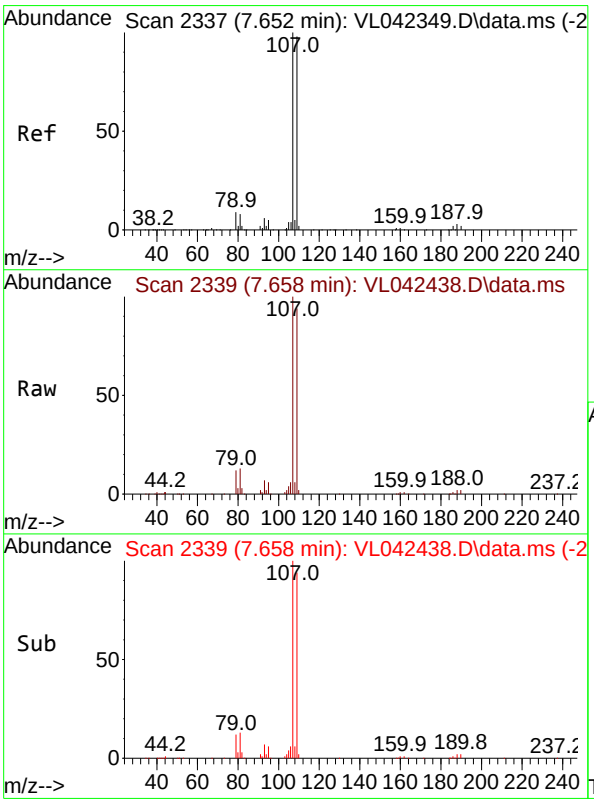
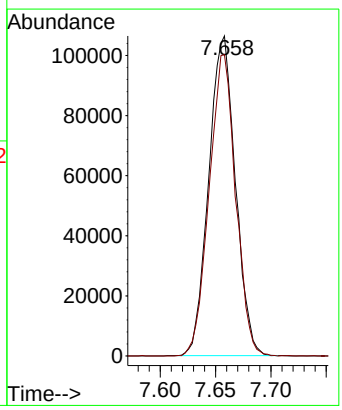
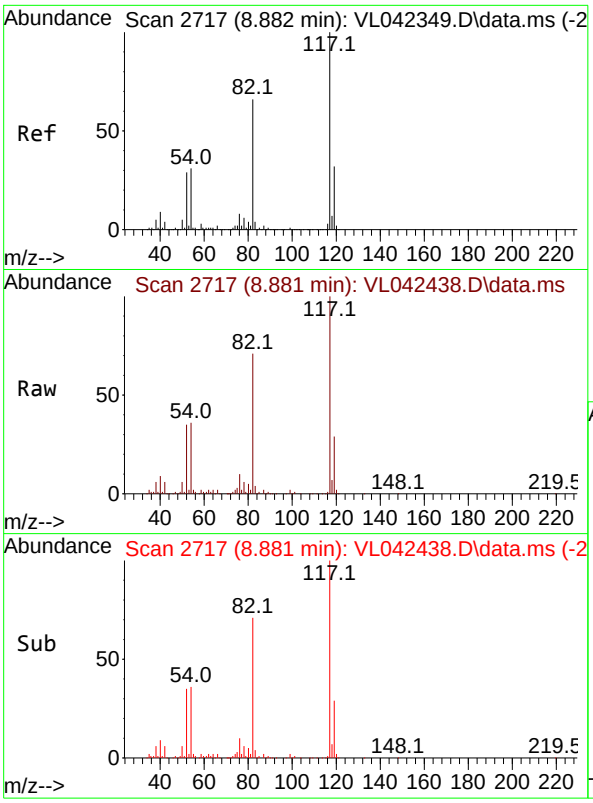


#54
1,2-Dibromoethane
Concen: 9.601 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:107 Resp: 178709

Ion	Ratio	Lower	Upper
107	100		
109	94.3	78.2	117.4

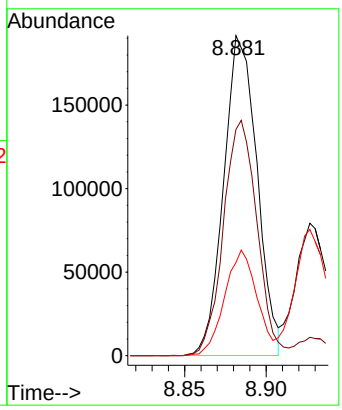




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:117 Resp: 27231

Ion	Ratio	Lower	Upper
117	100		
82	79.2	57.8	86.6
119	32.0	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
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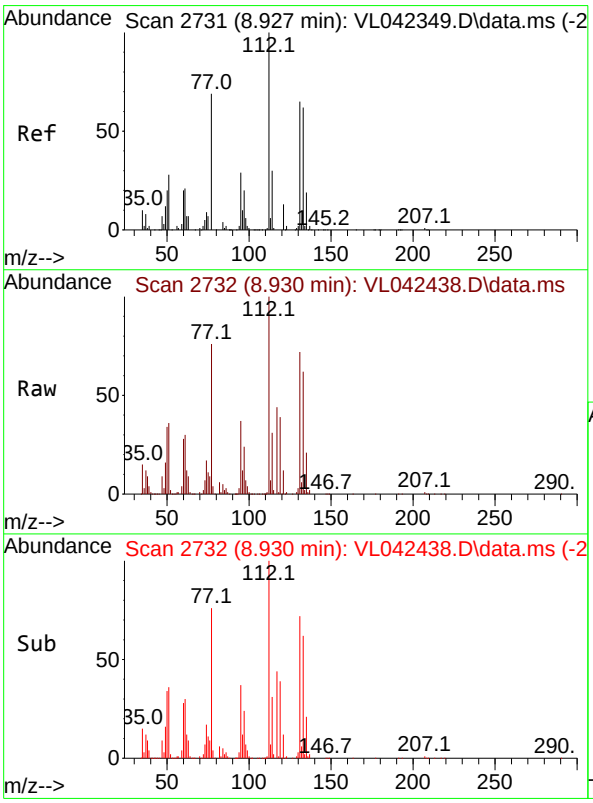
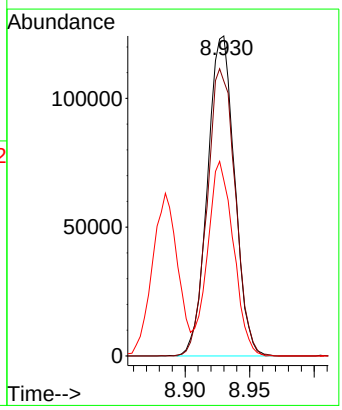
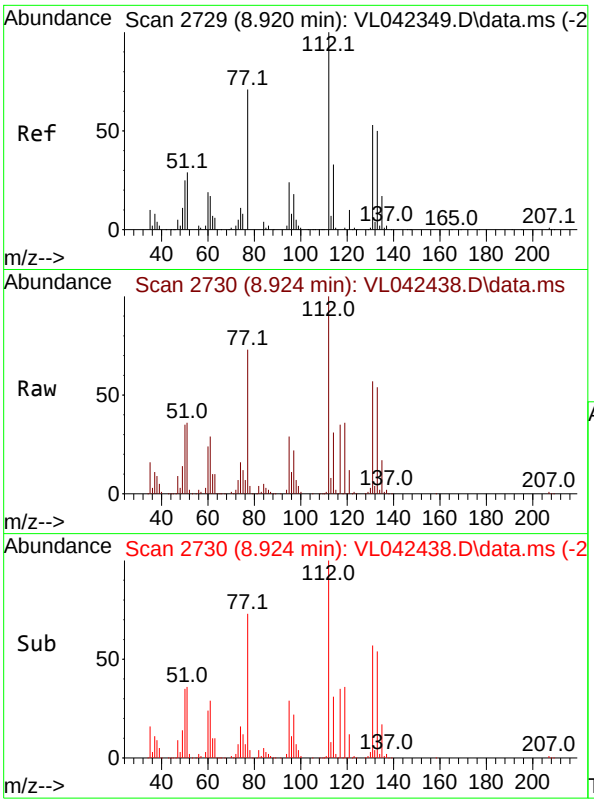


#56
1,1,1,2-Tetrachloroethane
Concen: 10.981 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:131 Resp: 180979

Ion	Ratio	Lower	Upper
131	100		
133	93.2	78.3	117.5
119	58.6	48.7	73.1

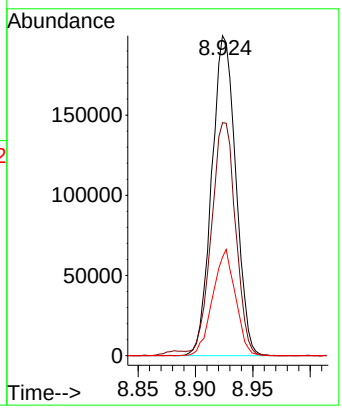




#57
Chlorobenzene
Concen: 10.270 ppbv
RT: 8.924 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:112 Resp: 29086

Ion	Ratio	Lower	Upper
112	100		
77	72.8	57.8	86.6
114	30.8	29.3	35.9



Instrument :
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ClientSampleId :
VL0429ABS01

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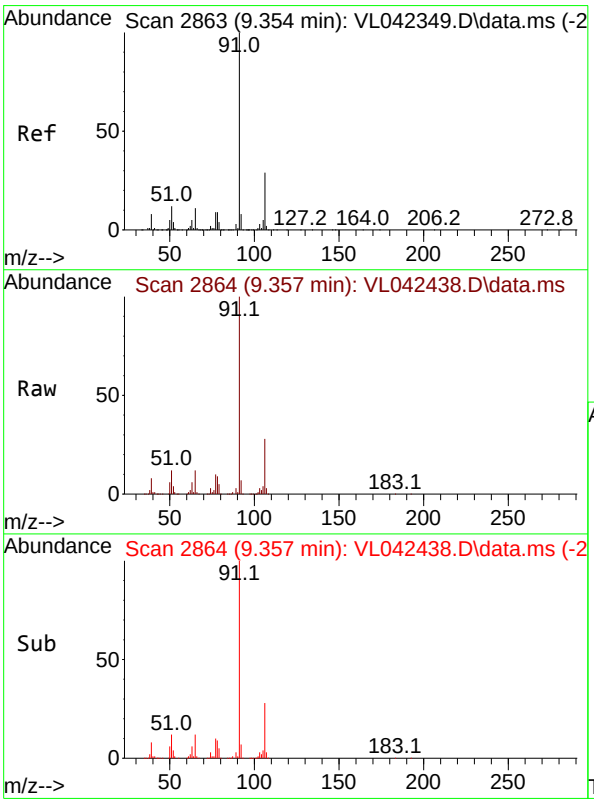
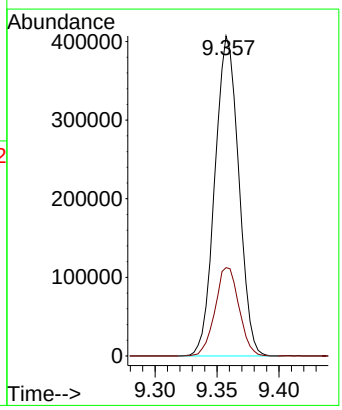
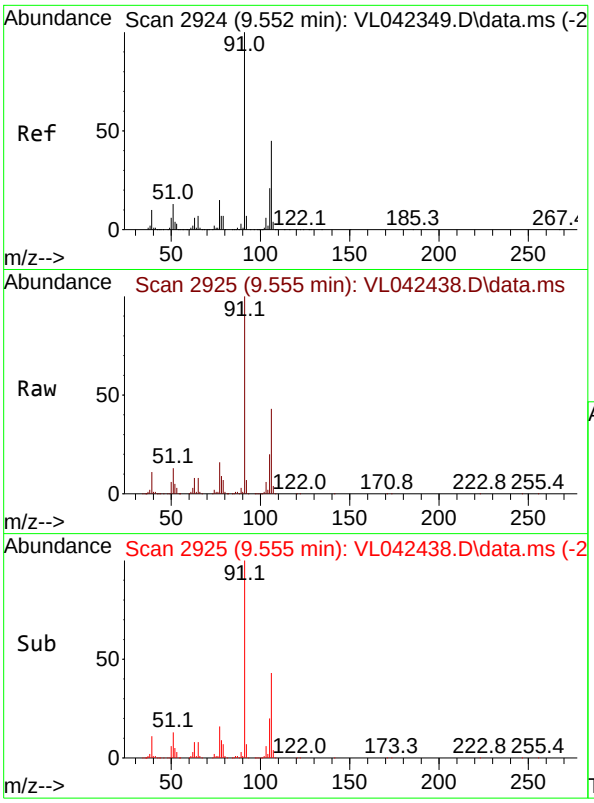


#58
Ethyl Benzene
Concen: 10.111 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 545497

Ion	Ratio	Lower	Upper
91	100		
106	27.6	23.0	34.4

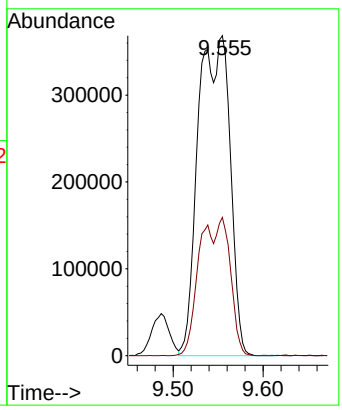




#59
m/p-Xylene
Concen: 20.857 ppbv m
RT: 9.555 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 90653

Ion	Ratio	Lower	Upper
91	100		
106	41.8	35.4	53.2



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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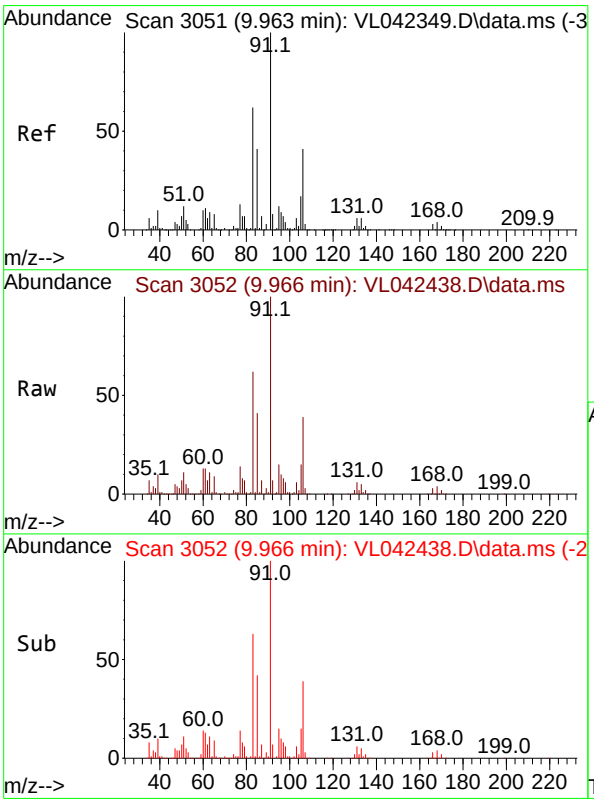
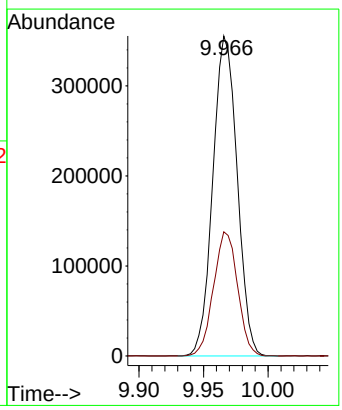
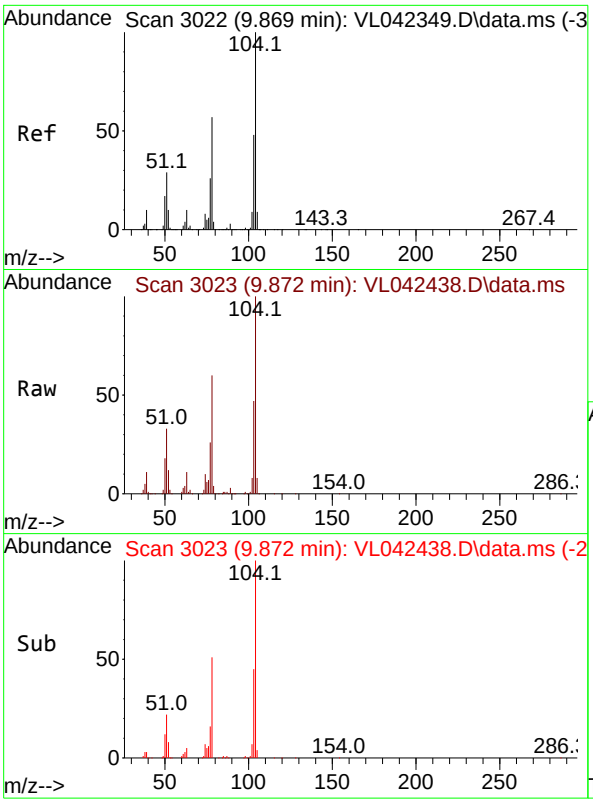


#60
o-Xylene
Concen: 10.639 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 465645

Ion	Ratio	Lower	Upper
91	100		
106	38.4	21.1	63.4

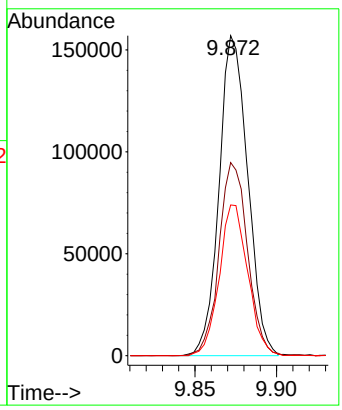




#61
Styrene
Concen: 9.178 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:104 Resp: 19174

Ion	Ratio	Lower	Upper
104	100		
78	60.1	44.6	66.8
103	47.0	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

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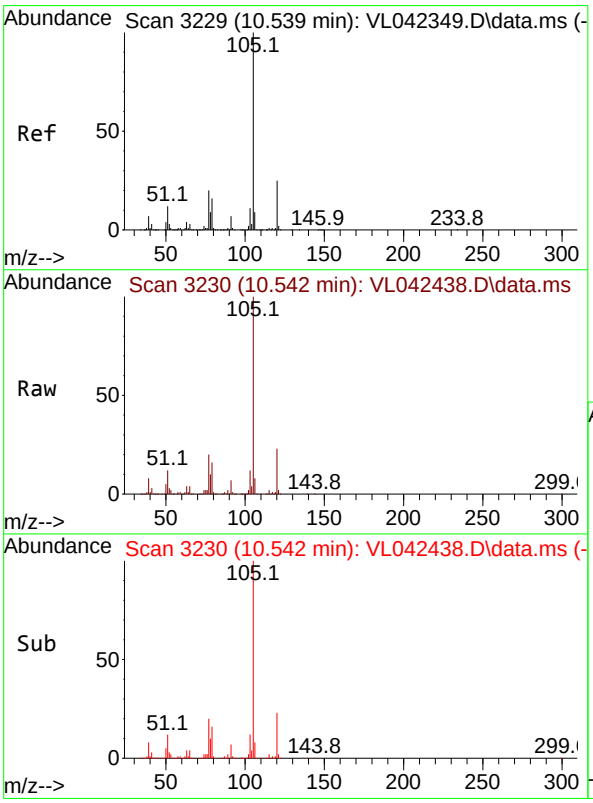
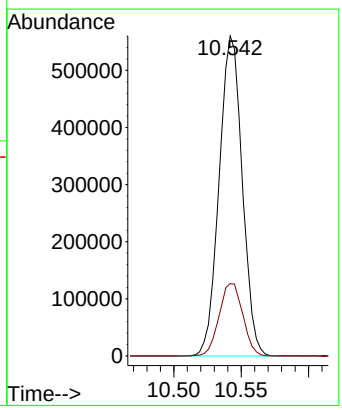
Supervised By :Mahesh Dadoda 04/30/2025

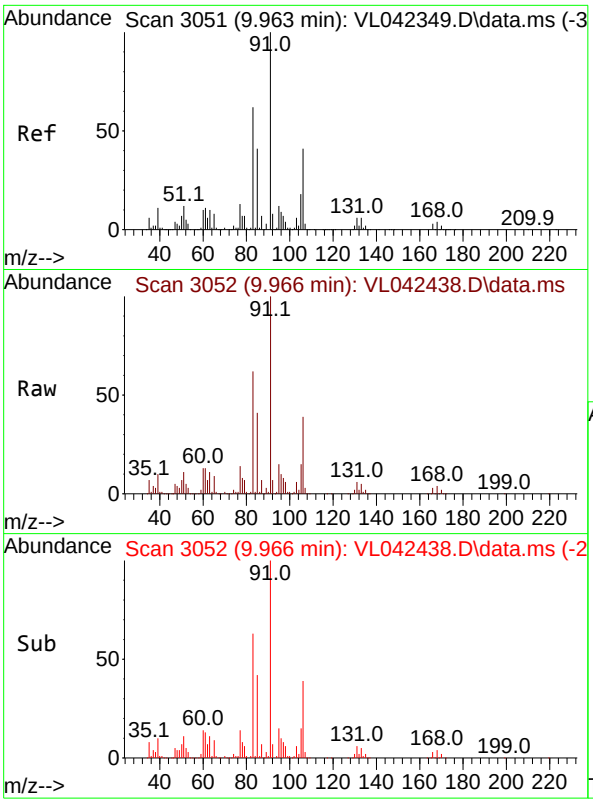


#62
Isopropylbenzene
Concen: 10.393 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 667839

Ion	Ratio	Lower	Upper
105	100		
120	23.2	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 9.819 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 83 Resp: 27849

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	64.4	32.4	97.0

Instrument :
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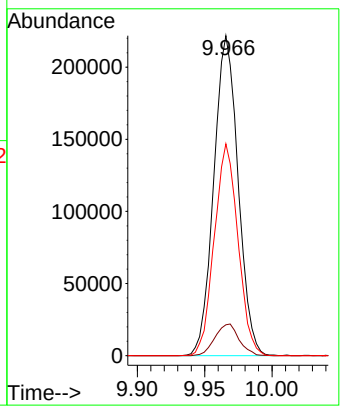
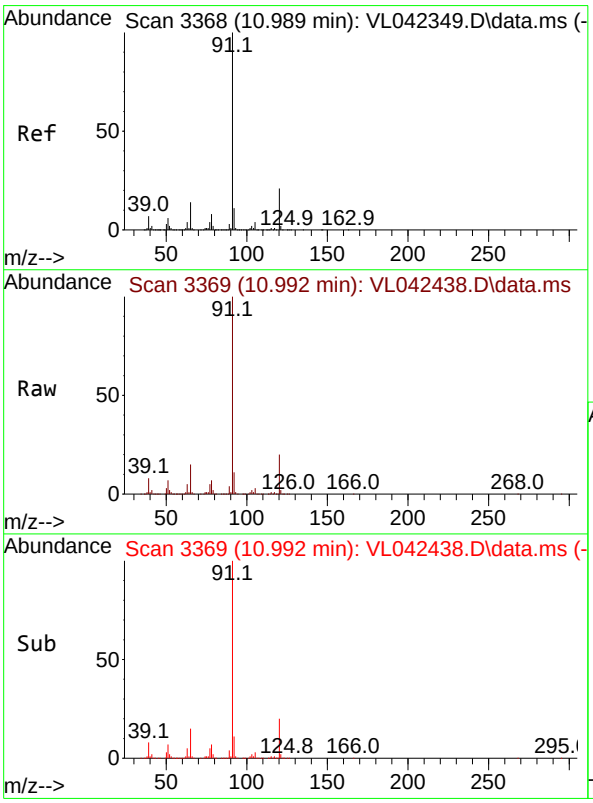
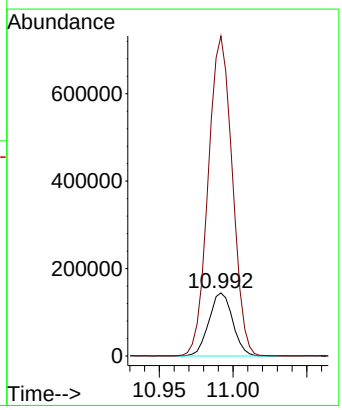


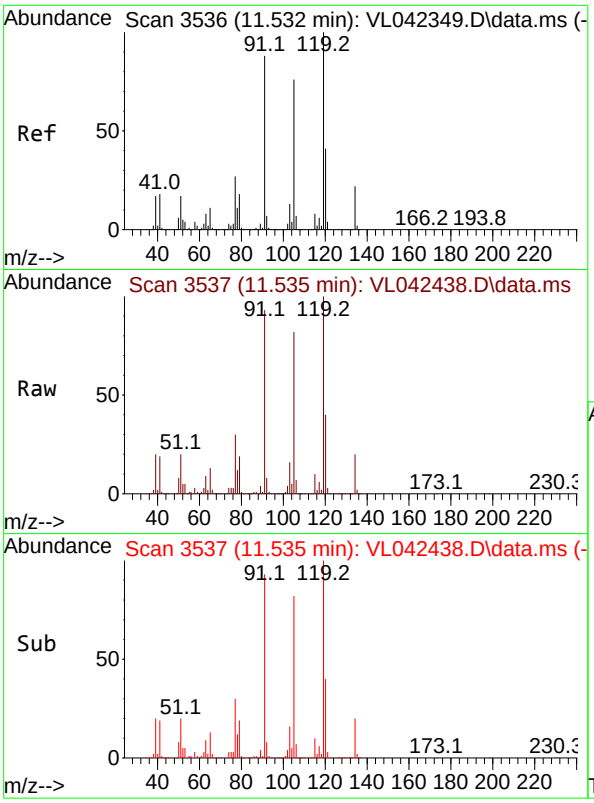


#64
n-propylbenzene
Concen: 9.987 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:120 Resp: 161309

Ion	Ratio	Lower	Upper
120	100		
91	515.8	392.4	588.6

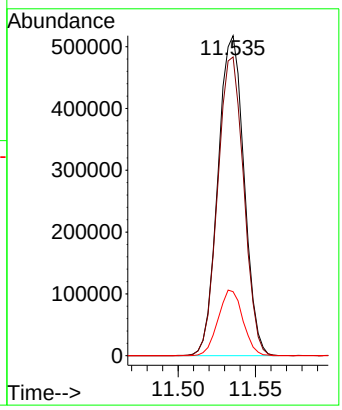




#65
tert-Butylbenzene
Concen: 10.260 ppbv
RT: 11.535 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:119 Resp: 60597

Ion	Ratio	Lower	Upper
119	100		
91	93.3	74.6	111.8
134	19.5	18.8	28.2



Instrument :
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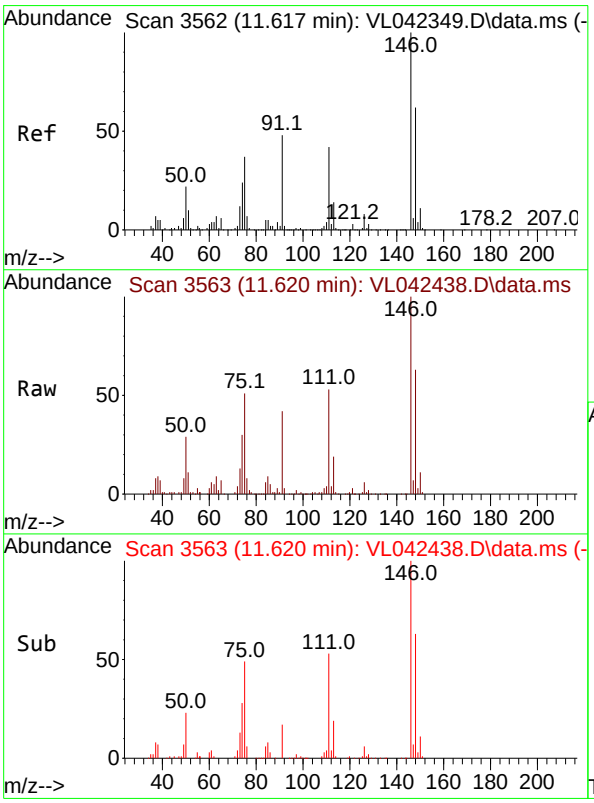
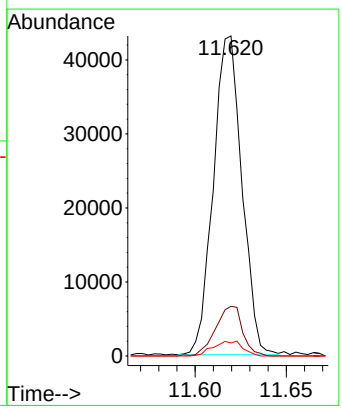
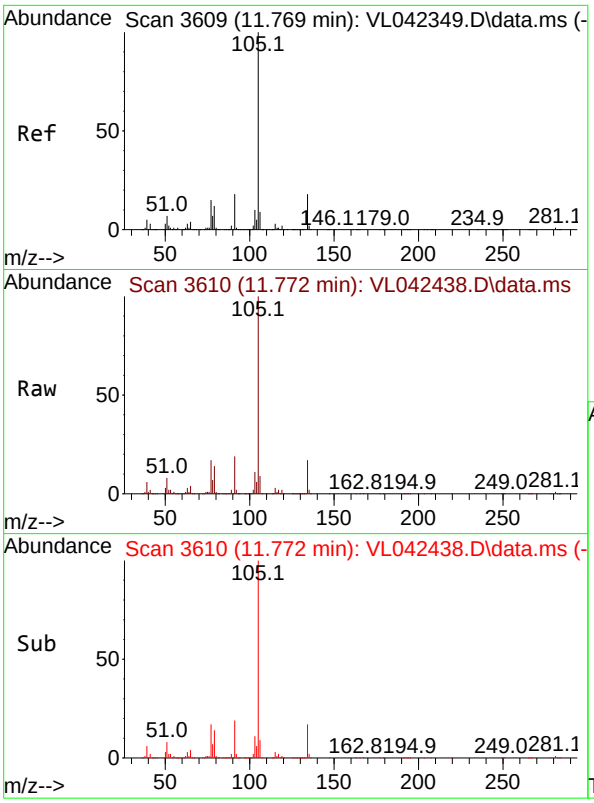


#66
Benzyl Chloride
Concen: 7.229 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 46913

Ion	Ratio	Lower	Upper
91	100		
126	14.8	11.8	17.6
128	4.8	4.5	6.7

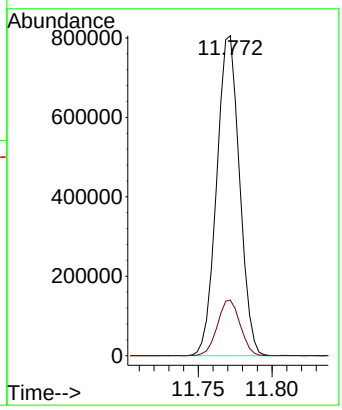




#67
sec-Butylbenzene
Concen: 10.569 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 86827

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.6	21.8



Instrument :
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ClientSampleId :
VL0429ABS01

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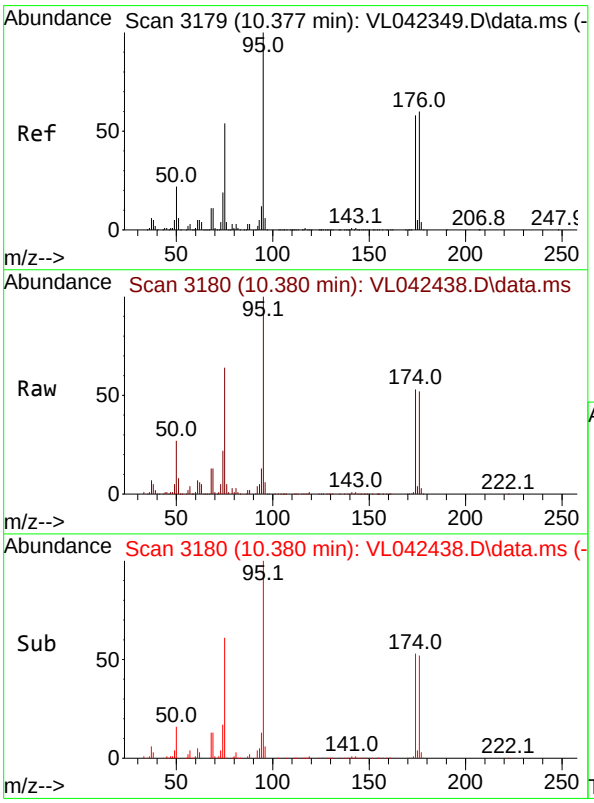
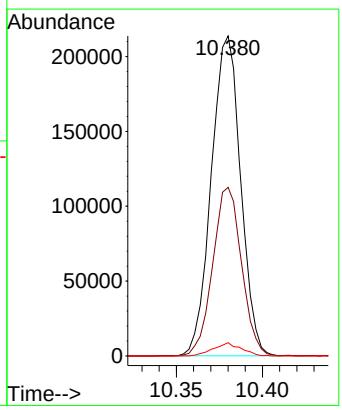
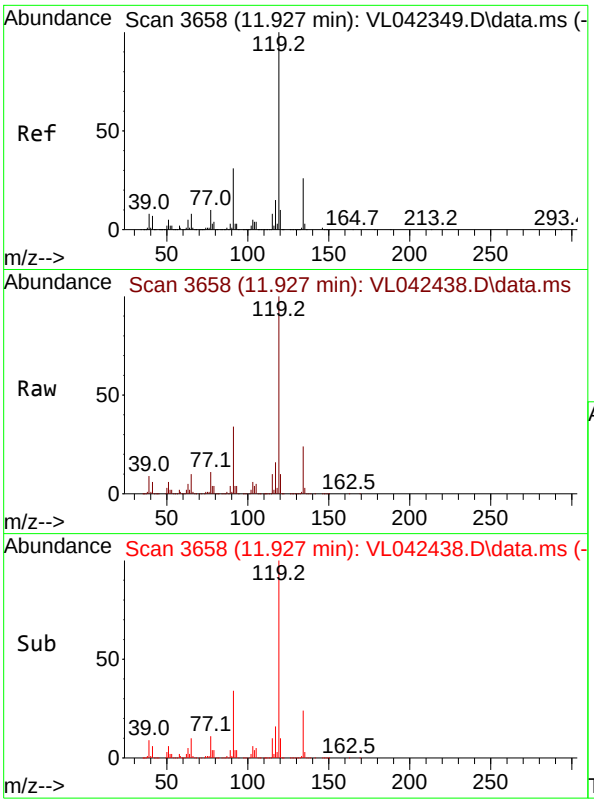


#68
1-Bromo-4-Fluorobenzene
Concen: 11.307 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 95 Resp: 253021

Ion	Ratio	Lower	Upper
95	100		
174	52.0	48.5	72.7
175	3.9	3.7	5.5

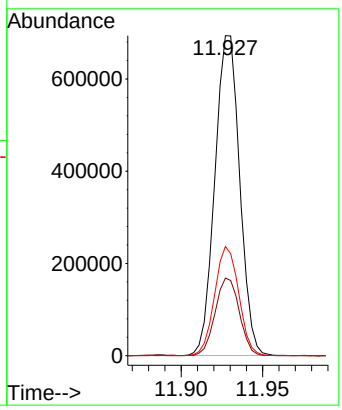




#69
p-Isopropyltoluene
Concen: 10.282 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:119 Resp: 73379

Ion	Ratio	Lower	Upper
119	100		
134	23.7	20.0	30.0
91	33.4	24.4	36.6



Instrument :
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ClientSampleId :
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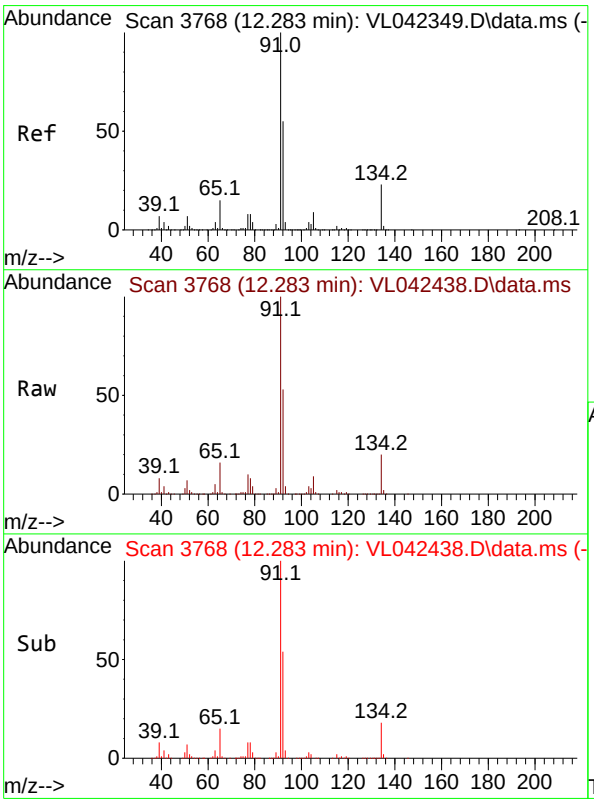
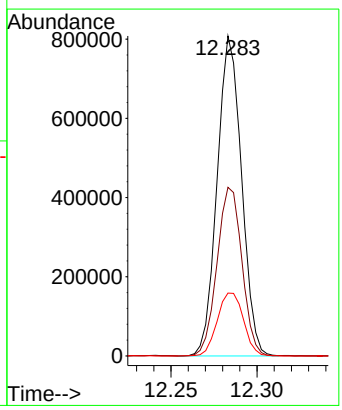
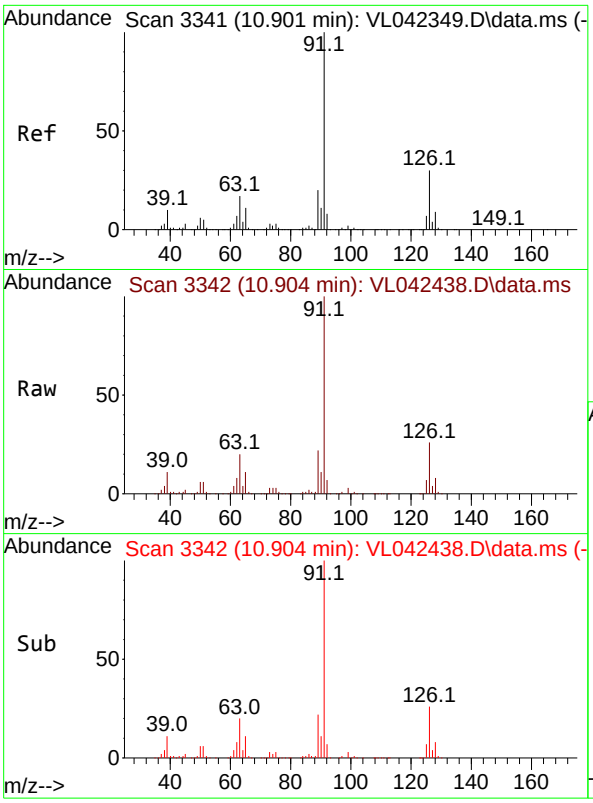


#70
n-Butylbenzene
Concen: 10.717 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 796622

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.2	66.4
134	21.1	18.2	27.4

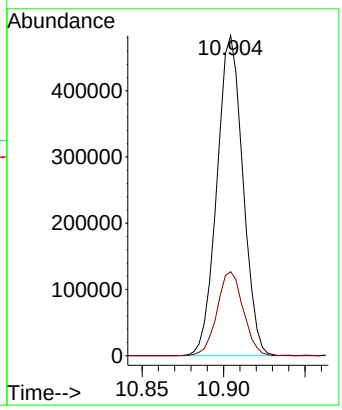




#71
2-Chlorotoluene
Concen: 10.614 ppbv
RT: 10.904 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 53495

Ion	Ratio	Lower	Upper
91	100		
126	26.4	11.4	45.4



Instrument :
MSVOA_L
ClientSampleId :
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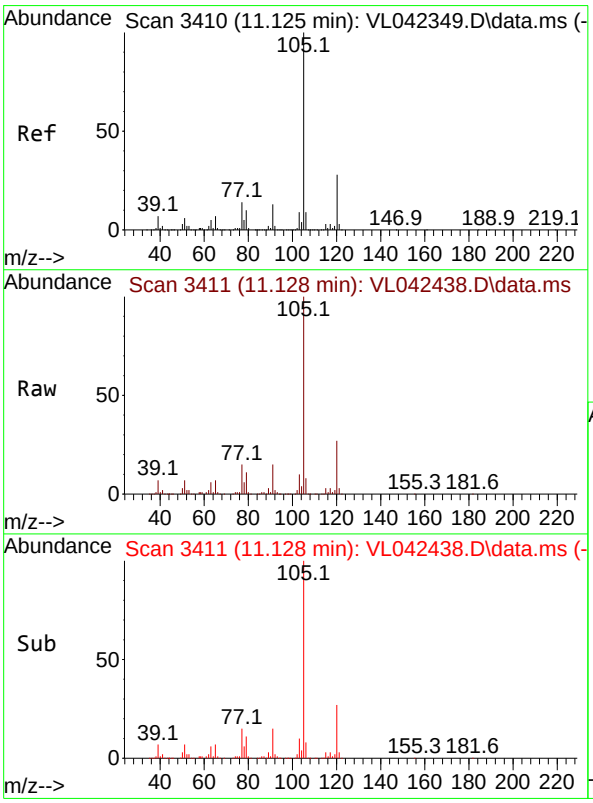
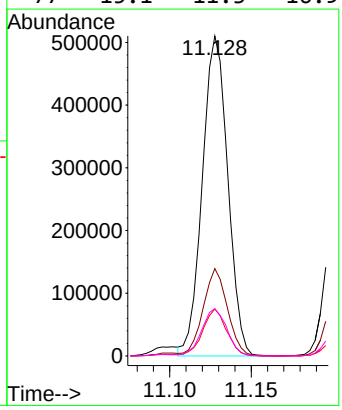
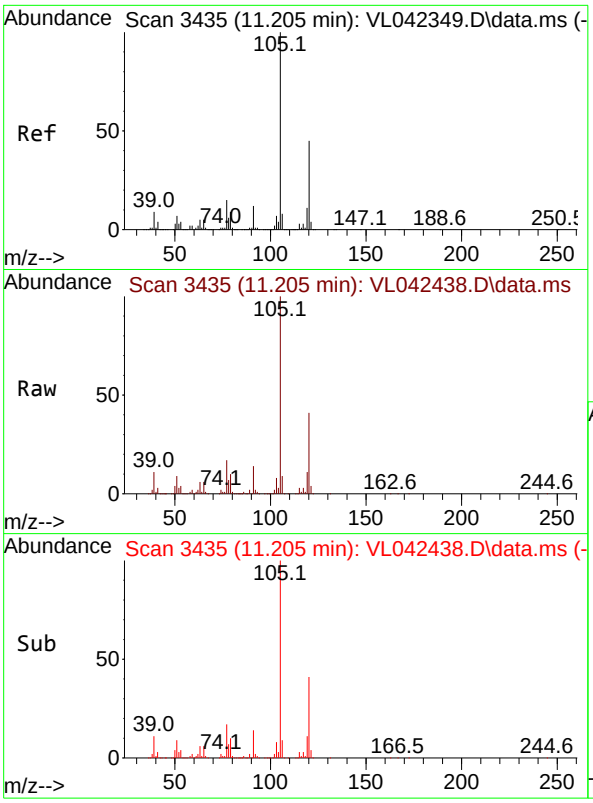


#72
4-Ethyltoluene
Concen: 10.351 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 553879

Ion	Ratio	Lower	Upper
105	100		
120	26.9	23.2	34.8
91	14.3	10.4	15.6
77	15.1	11.3	16.9





#73
1,3,5-Trimethylbenzene
Concen: 10.403 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 49145

Ion	Ratio	Lower	Upper
105	100		
120	41.1	35.6	53.4

Instrument :
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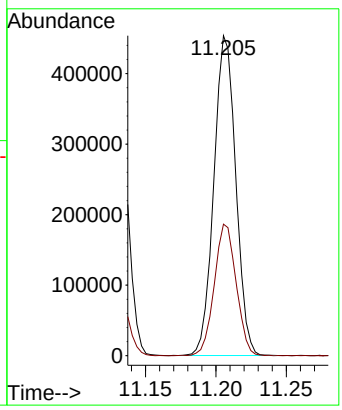
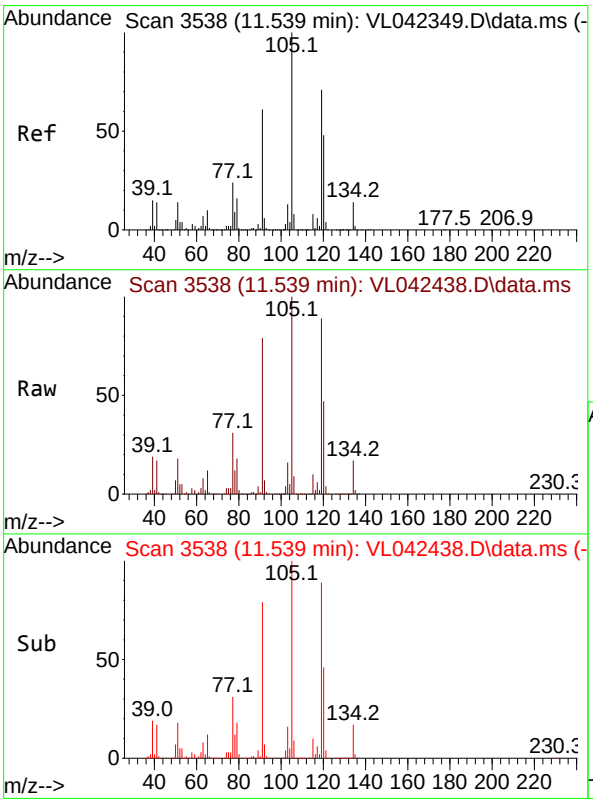
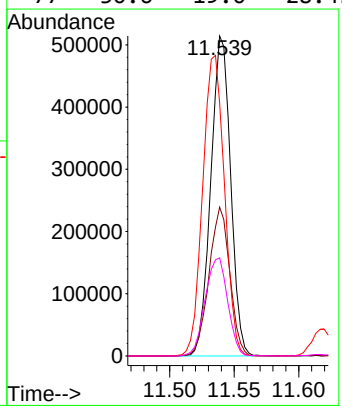


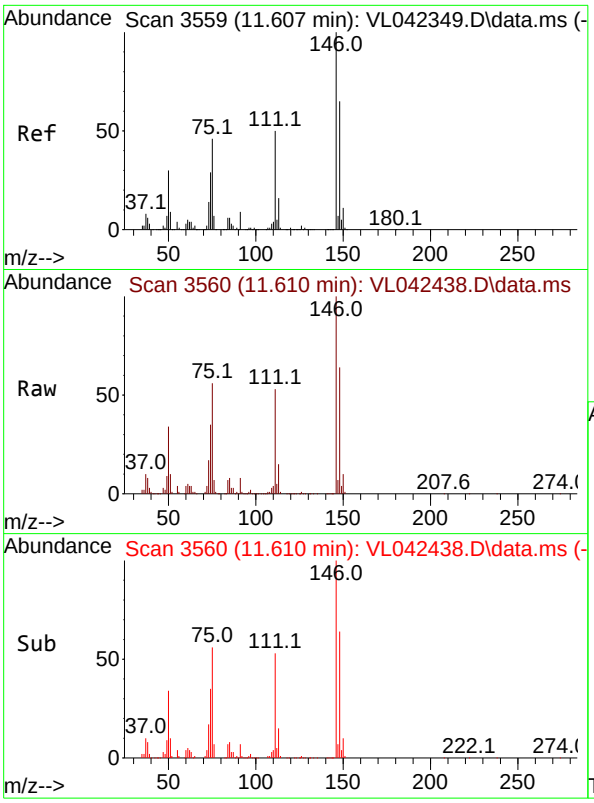


#74
1,2,4-Trimethylbenzene
Concen: 9.939 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 548408

Ion	Ratio	Lower	Upper
105	100		
120	46.5	38.1	57.1
91	79.0	48.8	73.2#
77	30.6	19.0	28.4#

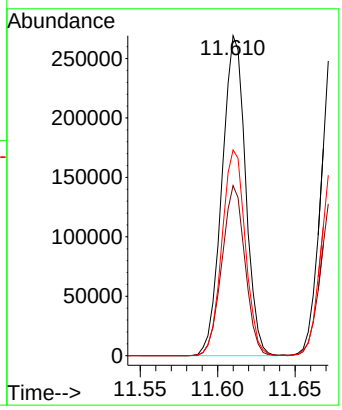




#75
1,3-Dichlorobenzene
Concen: 9.931 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:146 Resp: 28480

Ion	Ratio	Lower	Upper
146	100		
111	52.1	24.3	72.8
148	63.8	31.6	94.8



Instrument :
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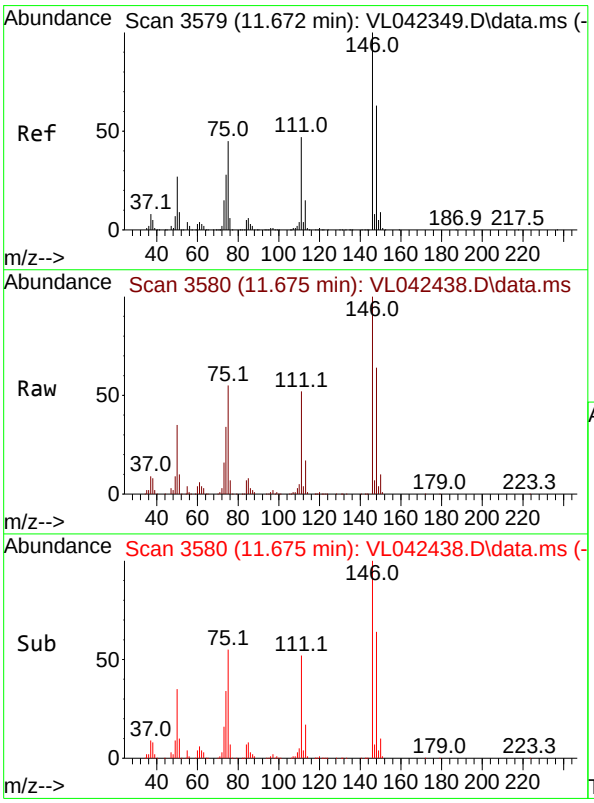
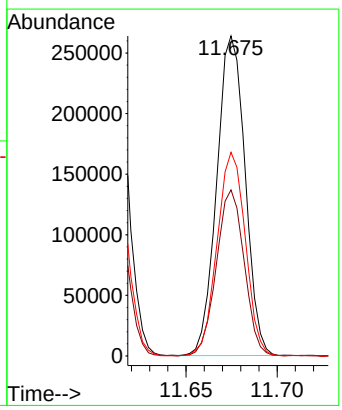
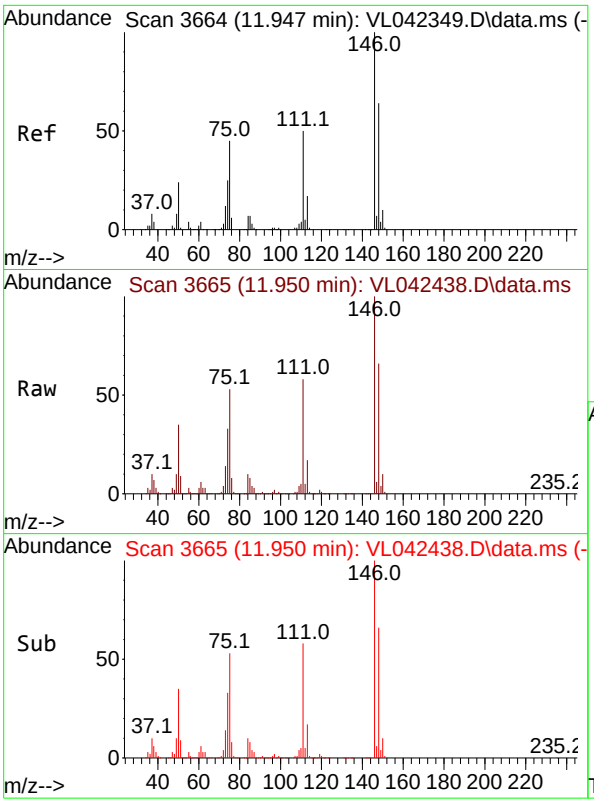


#76
1,4-Dichlorobenzene
Concen: 9.907 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:146 Resp: 285571

Ion	Ratio	Lower	Upper
146	100		
111	51.1	24.2	72.6
148	63.6	32.1	96.5

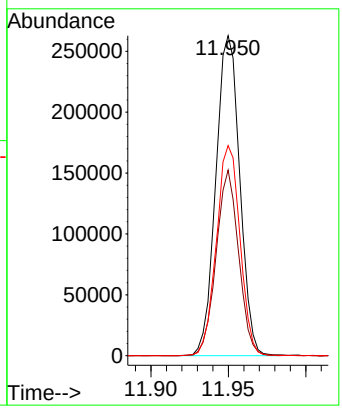




#77
1,2-Dichlorobenzene
Concen: 10.128 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:146 Resp: 28242

Ion	Ratio	Lower	Upper
146	100		
111	54.6	25.3	75.9
148	64.8	31.5	94.5



Instrument :
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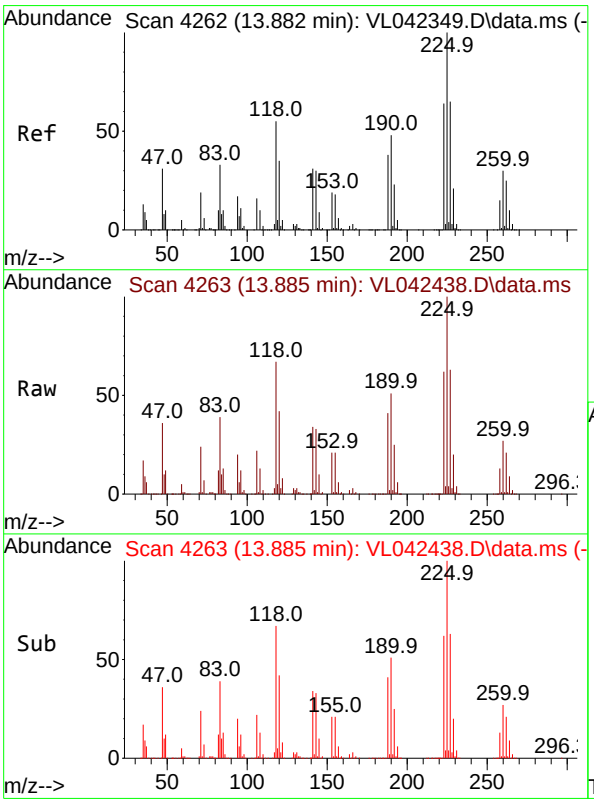
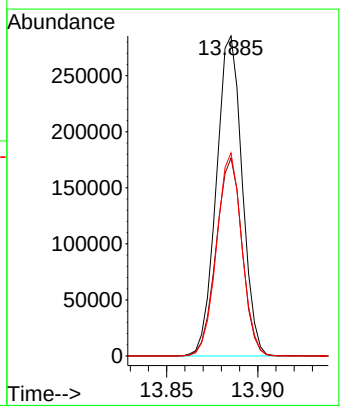
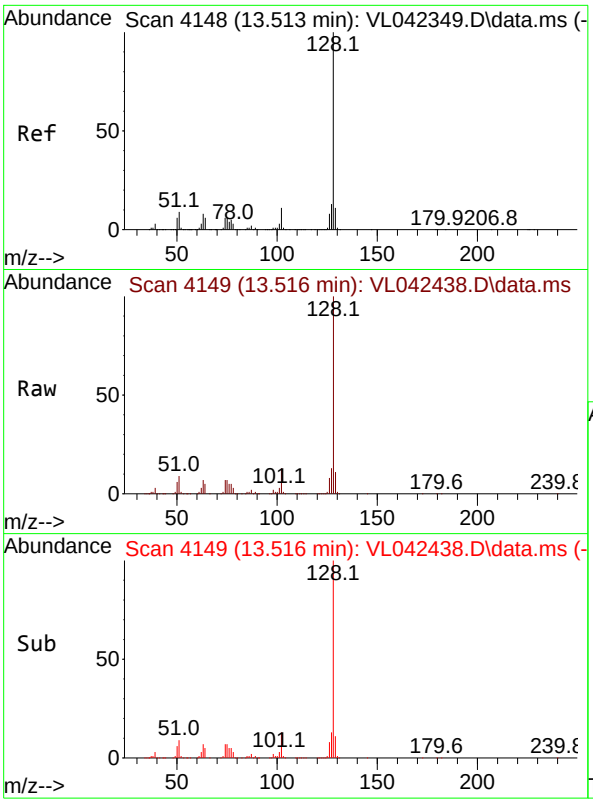


#78
Hexachloro-1,3-Butadiene
Concen: 9.977 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:225 Resp: 280954

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.3	75.5
227	61.9	51.5	77.3

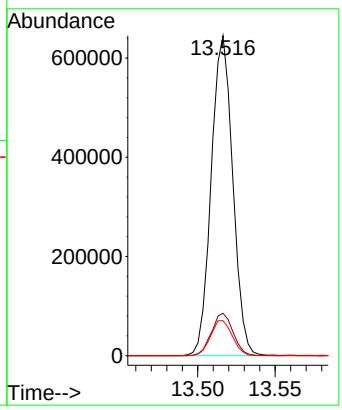




#79
Naphthalene
Concen: 9.425 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:128 Resp: 62187

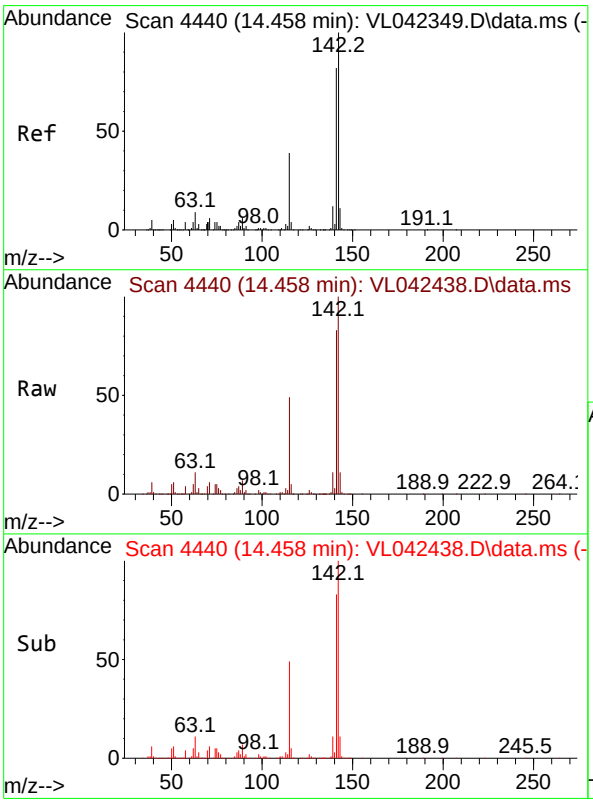
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.6	12.8



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations
APPROVED

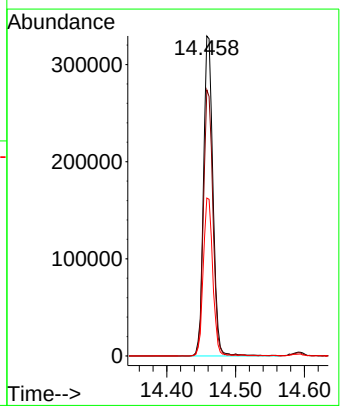
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

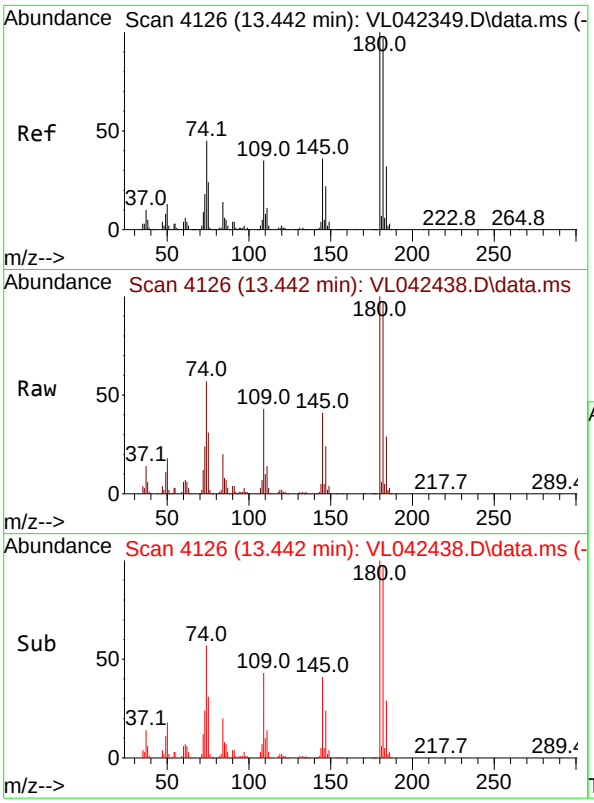


#80
Naphthalene,2-methyl-
Concen: 8.317 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:142 Resp: 312733

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.8	100.2
115	49.9	33.4	50.2

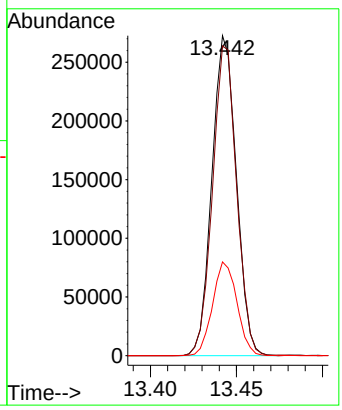




#81
1,2,4-Trichlorobenzene
Concen: 9.498 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:180 Resp: 26908

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	29.3	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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

Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042349.D	m/p-Xylene	SAM	4/18/2025 4:19:07 PM	MMDadoda	4/18/2025 10:45:20 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	1,4-Dioxane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	Ethanol	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	Heptane	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	m/p-Xylene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC002	VL042350.D	Trichloroethene	SAM	4/18/2025 4:19:12 PM	MMDadoda	4/18/2025 10:45:17 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	1,3-Butadiene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	1,4-Dioxane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	2,2,4-Trimethylpentane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Cyclohexane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042351.D	Ethanol	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Heptane	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	m/p-Xylene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	Methyl Methacrylate	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC001	VL042351.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDadoda	4/18/2025 10:45:15 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,2-Dichloropropane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	1,4-Dioxane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	4-Methyl-2-Pentanone	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Chlorobenzene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Ethanol	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Heptane	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042352.D	m/p-Xylene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Methyl Methacrylate	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.5	VL042352.D	Tetrahydrofuran	SAM	4/18/2025 4:20:33 PM	MMDadoda	4/18/2025 10:45:07 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	1,2-Dibromoethane	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	Tetrachloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.1	VL042353.D	Trichloroethene	SAM	4/18/2025 4:20:37 PM	MMDadoda	4/18/2025 10:45:04 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	Carbon Tetrachloride	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC0.03	VL042354.D	Tetrachloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL042354.D	Trichloroethene	SAM	4/18/2025 4:19:24 PM	MMDadoda	4/18/2025 10:45:02 PM	Peak Integrated by Software
VSTDICC015	VL042355.D	m/p-Xylene	SAM	4/18/2025 4:21:35 PM	MMDadoda	4/18/2025 10:44:59 PM	Peak Integrated by Software
VSTDICV010	VL042356.D	m/p-Xylene	SAM	4/18/2025 4:20:42 PM	MMDadoda	4/18/2025 10:44:57 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl042825	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042416.D	m/p-Xylene	SAM	4/29/2025 9:26:25 AM	MMDadoda	4/30/2025 2:28:57 PM	Peak Integrated by Software
VL0428ABS01	VL042418.D	m/p-Xylene	SAM	4/29/2025 9:26:31 AM	MMDadoda	4/30/2025 2:29:13 PM	Peak Integrated by Software
Q1880-02	VL042426.D	Benzene	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software
Q1880-02	VL042426.D	Carbon Tetrachloride	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software
Q1880-02	VL042426.D	Chlorodifluoromethane	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software
Q1880-02	VL042426.D	m/p-Xylene	SAM	4/29/2025 9:29:26 AM	MMDadoda	4/30/2025 2:29:45 PM	Peak Integrated by Software
Q1880-03	VL042427.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software
Q1880-03	VL042427.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software
Q1880-03	VL042427.D	Heptane	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software
Q1880-03	VL042427.D	Propene	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software
Q1880-03	VL042427.D	Toluene	SAM	4/29/2025 9:28:00 AM	MMDadoda	4/30/2025 2:29:48 PM	Peak Integrated by Software
Q1880-08	VL042428.D	Acetone	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software
Q1880-08	VL042428.D	Carbon Tetrachloride	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software

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Sequence:	vl042825	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1880-08	VL042428.D	Chlorodifluoromethane	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software
Q1880-08	VL042428.D	Cyclohexane	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software
Q1880-08	VL042428.D	m/p-Xylene	SAM	4/29/2025 9:26:42 AM	MMDadoda	4/30/2025 2:29:49 PM	Peak Integrated by Software
Q1880-10	VL042429.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software
Q1880-10	VL042429.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software
Q1880-10	VL042429.D	m/p-Xylene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software
Q1880-10	VL042429.D	Propene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software
Q1880-10	VL042429.D	Tetrachloroethene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software
Q1880-10	VL042429.D	Toluene	SAM	4/29/2025 9:28:05 AM	MMDadoda	4/30/2025 2:29:52 PM	Peak Integrated by Software
Q1880-10DUP	VL042430.D	Benzene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software
Q1880-10DUP	VL042430.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software
Q1880-10DUP	VL042430.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software
Q1880-10DUP	VL042430.D	m/p-Xylene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software

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Sequence:	vl042825	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1880-10DUP	VL042430.D	Tetrachloroethene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software
Q1880-10DUP	VL042430.D	Toluene	SAM	4/29/2025 9:28:10 AM	MMDadoda	4/30/2025 2:29:59 PM	Peak Integrated by Software
Q1880-01	VL042431.D	4-Methyl-2-Pentanone	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-01	VL042431.D	Carbon Tetrachloride	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-01	VL042431.D	Chlorodifluoromethane	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-01	VL042431.D	Cyclohexane	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-01	VL042431.D	Heptane	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-01	VL042431.D	o-Xylene	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-01	VL042431.D	Trichloroethene	SAM	4/29/2025 9:27:16 AM	MMDadoda	4/30/2025 2:30:37 PM	Peak Integrated by Software
Q1880-06	VL042432.D	Carbon Tetrachloride	SAM	4/29/2025 9:28:14 AM	MMDadoda	4/30/2025 2:30:01 PM	Peak Integrated by Software
Q1880-06	VL042432.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:14 AM	MMDadoda	4/30/2025 2:30:01 PM	Peak Integrated by Software
Q1880-06	VL042432.D	Toluene	SAM	4/29/2025 9:28:14 AM	MMDadoda	4/30/2025 2:30:01 PM	Peak Integrated by Software
Q1880-09	VL042433.D	1,2,4-Trimethylbenzene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software

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Manual Integration Report

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Q1880-09	VL042433.D	Carbon Tetrachloride	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software
Q1880-09	VL042433.D	Chlorodifluoromethane	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software
Q1880-09	VL042433.D	m/p-Xylene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software
Q1880-09	VL042433.D	Tetrachloroethene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software
Q1880-09	VL042433.D	Toluene	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software
Q1880-09	VL042433.D	Trichlorofluoromethane	SAM	4/29/2025 9:27:21 AM	MMDadoda	4/30/2025 2:30:03 PM	Peak Integrated by Software

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Sequence:	vl042925	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042436.D	1,1,2-Trichloroethane	SAM	4/30/2025 7:49:08 AM	MMDadoda	4/30/2025 2:26:33 PM	Peak Integrated by Software
VSTDCCC010	VL042436.D	m/p-Xylene	SAM	4/30/2025 7:49:08 AM	MMDadoda	4/30/2025 2:26:33 PM	Peak Integrated by Software
VL0429ABS01	VL042438.D	m/p-Xylene	SAM	4/30/2025 7:49:14 AM	MMDadoda	4/30/2025 2:26:38 PM	Peak Integrated by Software
VL0429ABS01	VL042438.D	Methyl Methacrylate	SAM	4/30/2025 7:49:14 AM	MMDadoda	4/30/2025 2:26:38 PM	Peak Integrated by Software
Q1880-04	VL042439.D	Carbon Tetrachloride	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-04	VL042439.D	Chlorodifluoromethane	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-04	VL042439.D	Hexane	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-04	VL042439.D	m/p-Xylene	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-04	VL042439.D	Tetrachloroethene	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-04	VL042439.D	Toluene	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-04	VL042439.D	Trichlorofluoromethane	SAM	4/30/2025 7:50:22 AM	MMDadoda	4/30/2025 2:26:43 PM	Peak Integrated by Software
Q1880-07DL	VL042441.D	2-Butanone	SAM	4/30/2025 7:51:22 AM	MMDadoda	4/30/2025 2:28:23 PM	Peak Integrated by Software
Q1880-05	VL042447.D	Chlorodifluoromethane	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software

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Sequence:	vl042925	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1880-05	VL042447.D	m/p-Xylene	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software
Q1880-05	VL042447.D	Tetrachloroethene	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software
Q1880-05	VL042447.D	Toluene	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software
Q1880-05	VL042447.D	Trichlorofluoromethane	SAM	4/30/2025 7:53:11 AM	MMDadoda	4/30/2025 2:27:30 PM	Peak Integrated by Software
Q1880-07	VL042448.D	Benzene	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-07	VL042448.D	Carbon Tetrachloride	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-07	VL042448.D	Chlorodifluoromethane	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-07	VL042448.D	Dichlorodifluoromethane	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-07	VL042448.D	m/p-Xylene	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-07	VL042448.D	Tetrahydrofuran	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-07	VL042448.D	Toluene	SAM	4/30/2025 7:52:30 AM	MMDadoda	4/30/2025 2:27:33 PM	Peak Integrated by Software
Q1880-11	VL042449.D	Carbon Tetrachloride	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software
Q1880-11	VL042449.D	Chlorodifluoromethane	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl042925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1880-11	VL042449.D	Hexane	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software
Q1880-11	VL042449.D	Toluene	SAM	4/30/2025 7:49:52 AM	MMDadoda	4/30/2025 2:27:40 PM	Peak Integrated by Software

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042348.D	17 Apr 2025 07:50	SY/MD	Ok
2	VSTDICCC010	VL042349.D	17 Apr 2025 09:44	SY/MD	Ok,M
3	VSTDICC002	VL042350.D	17 Apr 2025 10:17	SY/MD	Ok,M
4	VSTDICC001	VL042351.D	17 Apr 2025 10:48	SY/MD	Ok,M
5	VSTDICC0.5	VL042352.D	17 Apr 2025 11:19	SY/MD	Ok,M
6	VSTDICC0.1	VL042353.D	17 Apr 2025 11:50	SY/MD	Ok,M
7	VSTDICC0.03	VL042354.D	17 Apr 2025 12:22	SY/MD	Ok,M
8	VSTDICC015	VL042355.D	17 Apr 2025 12:54	SY/MD	Ok,M
9	VSTDICV010	VL042356.D	17 Apr 2025 13:43	SY/MD	Ok,M
10	VL0417ABL01	VL042357.D	17 Apr 2025 14:23	SY/MD	Ok
11	VL0417ABS01	VL042358.D	17 Apr 2025 15:39	SY/MD	Ok,M
12	Q1665-15	VL042359.D	17 Apr 2025 16:12	SY/MD	Dilution
13	Q1665-15DL	VL042360.D	17 Apr 2025 16:44	SY/MD	Ok,M
14	Q1668-01	VL042361.D	17 Apr 2025 17:17	SY/MD	Dilution
15	Q1668-01DUP	VL042362.D	17 Apr 2025 17:51	SY/MD	Ok,M
16	Q1668-03	VL042363.D	17 Apr 2025 18:24	SY/MD	Dilution
17	Q1668-04	VL042364.D	17 Apr 2025 18:58	SY/MD	Ok,M
18	Q1668-02	VL042365.D	17 Apr 2025 19:31	SY/MD	Ok,M
19	Q1726-01	VL042366.D	17 Apr 2025 20:05	SY/MD	Dilution
20	Q1726-02	VL042367.D	17 Apr 2025 20:38	SY/MD	Dilution
21	Q1726-03	VL042368.D	17 Apr 2025 21:12	SY/MD	Dilution

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM				
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1726-04	VL042369.D	17 Apr 2025 21:45	SY/MD	Dilution
23	Q1726-05	VL042370.D	17 Apr 2025 22:19	SY/MD	Dilution
24	Q1726-06	VL042371.D	17 Apr 2025 22:52	SY/MD	Dilution
25	Q1726-07	VL042372.D	17 Apr 2025 23:26	SY/MD	Dilution
26	Q1726-07DL	VL042373.D	17 Apr 2025 23:57	SY/MD	Dilution
27	Q1668-01DL	VL042374.D	18 Apr 2025 00:28	SY/MD	Ok,M
28	Q1668-03DL	VL042375.D	18 Apr 2025 00:59	SY/MD	Ok,M
29	Q1726-01DL	VL042376.D	18 Apr 2025 01:30	SY/MD	Dilution
30	Q1726-02DL	VL042377.D	18 Apr 2025 02:01	SY/MD	Dilution
31	Q1726-03DL	VL042378.D	18 Apr 2025 02:32	SY/MD	Dilution
32	Q1726-04DL	VL042379.D	18 Apr 2025 03:03	SY/MD	Dilution
33	Q1726-05DL	VL042380.D	18 Apr 2025 03:34	SY/MD	Dilution
34	Q1726-06DL	VL042381.D	18 Apr 2025 04:05	SY/MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042825

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:24:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:30:41 PM		
SubDirectory	VL042825	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042415.D	28 Apr 2025 07:59	SY/MD	Ok
2	VSTDCCC010	VL042416.D	28 Apr 2025 08:44	SY/MD	Ok,M
3	VL0428ABL01	VL042417.D	28 Apr 2025 09:27	SY/MD	Ok
4	VL0428ABS01	VL042418.D	28 Apr 2025 10:10	SY/MD	Ok,M
5	Q1665-05	VL042419.D	28 Apr 2025 10:59	SY/MD	Ok,M
6	Q1665-07	VL042420.D	28 Apr 2025 11:33	SY/MD	Dilution
7	Q1665-12	VL042421.D	28 Apr 2025 12:17	SY/MD	Ok,M
8	Q1665-16	VL042422.D	28 Apr 2025 12:51	SY/MD	Ok,M
9	Q1665-19	VL042423.D	28 Apr 2025 13:26	SY/MD	Dilution
10	Q1665-21	VL042424.D	28 Apr 2025 14:00	SY/MD	Dilution
11	Q1665-22	VL042425.D	28 Apr 2025 14:34	SY/MD	Ok,M
12	Q1880-02	VL042426.D	28 Apr 2025 15:08	SY/MD	Ok,M
13	Q1880-03	VL042427.D	28 Apr 2025 15:42	SY/MD	Ok,M
14	Q1880-08	VL042428.D	28 Apr 2025 16:16	SY/MD	Ok,M
15	Q1880-10	VL042429.D	28 Apr 2025 16:50	SY/MD	Ok,M
16	Q1880-10DUP	VL042430.D	28 Apr 2025 17:26	SY/MD	Ok,M
17	Q1880-01	VL042431.D	28 Apr 2025 18:00	SY/MD	Dilution
18	Q1880-06	VL042432.D	28 Apr 2025 18:35	SY/MD	Ok,M
19	Q1880-09	VL042433.D	28 Apr 2025 19:08	SY/MD	Ok,M
20	Q1880-04	VL042434.D	28 Apr 2025 19:41	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:28:33 PM		
SubDirectory	VL042925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042435.D	29 Apr 2025 07:55	SY/MD	Ok
2	VSTDCCC010	VL042436.D	29 Apr 2025 08:39	SY/MD	Ok,M
3	VL0429ABL01	VL042437.D	29 Apr 2025 09:25	SY/MD	Ok
4	VL0429ABS01	VL042438.D	29 Apr 2025 10:08	SY/MD	Ok,M
5	Q1880-04	VL042439.D	29 Apr 2025 10:59	SY/MD	Ok,M
6	Q1880-05DL	VL042440.D	29 Apr 2025 11:30	SY/MD	Not Ok
7	Q1880-07DL	VL042441.D	29 Apr 2025 12:02	SY/MD	Ok,M
8	Q1880-11DL	VL042442.D	29 Apr 2025 12:33	SY/MD	Not Ok
9	Q1908-01	VL042443.D	29 Apr 2025 13:11	SY/MD	Ok,M
10	Q1908-02	VL042444.D	29 Apr 2025 13:45	SY/MD	Not Ok
11	Q1908-03	VL042445.D	29 Apr 2025 14:19	SY/MD	Ok,M
12	Q1908-03DL	VL042446.D	29 Apr 2025 14:51	SY/MD	Not Ok
13	Q1880-05	VL042447.D	29 Apr 2025 15:24	SY/MD	Ok,M
14	Q1880-07	VL042448.D	29 Apr 2025 15:58	SY/MD	Dilution
15	Q1880-11	VL042449.D	29 Apr 2025 16:32	SY/MD	Ok,M
16	Q1880-01DL	VL042450.D	29 Apr 2025 17:04	SY/MD	Ok
17	Q1665-07DL	VL042451.D	29 Apr 2025 17:37	SY/MD	Ok,M
18	Q1665-19DL	VL042452.D	29 Apr 2025 18:09	SY/MD	Ok,M
19	Q1665-21DL	VL042453.D	29 Apr 2025 18:42	SY/MD	Ok,M
20	Q1908-01DUP	VL042454.D	29 Apr 2025 19:57	SY/MD	Ok,M
21	Q1908-02DL	VL042455.D	29 Apr 2025 20:30	SY/MD	Not Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:53 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:28:33 PM				
SubDirectory	VL042925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1908-02	VL042456.D	29 Apr 2025 21:58	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042348.D	17 Apr 2025 07:50		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042349.D	17 Apr 2025 09:44		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042350.D	17 Apr 2025 10:17		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042351.D	17 Apr 2025 10:48		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042352.D	17 Apr 2025 11:19		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042353.D	17 Apr 2025 11:50		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042354.D	17 Apr 2025 12:22		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042355.D	17 Apr 2025 12:54		SY/MD	Ok,M
9	VSTDICV010	ICVVL041725	VL042356.D	17 Apr 2025 13:43		SY/MD	Ok,M
10	VL0417ABL01	VL0417ABL01	VL042357.D	17 Apr 2025 14:23		SY/MD	Ok
11	VL0417ABS01	VL0417ABS01	VL042358.D	17 Apr 2025 15:39		SY/MD	Ok,M
12	Q1665-15	IA-B14-1-3242025	VL042359.D	17 Apr 2025 16:12	Need 10X	SY/MD	Dilution
13	Q1665-15DL	IA-B14-1-3242025DL	VL042360.D	17 Apr 2025 16:44		SY/MD	Ok,M
14	Q1668-01	IA-B1-4-3252025	VL042361.D	17 Apr 2025 17:17	Need 4X	SY/MD	Dilution
15	Q1668-01DUP	IA-B1-4-3252025DUP	VL042362.D	17 Apr 2025 17:51		SY/MD	Ok,M
16	Q1668-03	IA-B1-3-3252025	VL042363.D	17 Apr 2025 18:24	Need 4X	SY/MD	Dilution
17	Q1668-04	IA-B1-1-3252025	VL042364.D	17 Apr 2025 18:58		SY/MD	Ok,M
18	Q1668-02	IA-B1-2-3252025	VL042365.D	17 Apr 2025 19:31		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041725

Review By	Semsettin Yesilyurt	Review On	4/18/2025 4:23:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/18/2025 10:46:12 PM		
SubDirectory	VL041725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2590
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2590
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1726-01	IA-DUP-3-03312025	VL042366.D	17 Apr 2025 20:05	Need 20X	SY/MD	Dilution
20	Q1726-02	IA-B2-6-03312025	VL042367.D	17 Apr 2025 20:38	Need 20X	SY/MD	Dilution
21	Q1726-03	IA-B2-2-03312025	VL042368.D	17 Apr 2025 21:12	Need 20X	SY/MD	Dilution
22	Q1726-04	IA-B2-5-03312025	VL042369.D	17 Apr 2025 21:45	Need 20X	SY/MD	Dilution
23	Q1726-05	IA-B2-1-03312025	VL042370.D	17 Apr 2025 22:19	Need 20X	SY/MD	Dilution
24	Q1726-06	IA-B2-3-03312025	VL042371.D	17 Apr 2025 22:52	Need 20X	SY/MD	Dilution
25	Q1726-07	IA-B2-4-03312025	VL042372.D	17 Apr 2025 23:26	Need 20X	SY/MD	Dilution
26	Q1726-07DL	IA-B2-4-03312025DL	VL042373.D	17 Apr 2025 23:57	Need 40X	SY/MD	Dilution
27	Q1668-01DL	IA-B1-4-3252025DL	VL042374.D	18 Apr 2025 00:28		SY/MD	Ok,M
28	Q1668-03DL	IA-B1-3-3252025DL	VL042375.D	18 Apr 2025 00:59		SY/MD	Ok,M
29	Q1726-01DL	IA-DUP-3-03312025DL	VL042376.D	18 Apr 2025 01:30	Need 40X	SY/MD	Dilution
30	Q1726-02DL	IA-B2-6-03312025DL	VL042377.D	18 Apr 2025 02:01	Need 40X	SY/MD	Dilution
31	Q1726-03DL	IA-B2-2-03312025DL	VL042378.D	18 Apr 2025 02:32	Need 100X	SY/MD	Dilution
32	Q1726-04DL	IA-B2-5-03312025DL	VL042379.D	18 Apr 2025 03:03	Need 40X	SY/MD	Dilution
33	Q1726-05DL	IA-B2-1-03312025DL	VL042380.D	18 Apr 2025 03:34	Need 100X	SY/MD	Dilution
34	Q1726-06DL	IA-B2-3-03312025DL	VL042381.D	18 Apr 2025 04:05	Need 100X	SY/MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042825

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:24:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:30:41 PM		
SubDirectory	VL042825	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042415.D	28 Apr 2025 07:59		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042416.D	28 Apr 2025 08:44		SY/MD	Ok,M
3	VL0428ABL01	VL0428ABL01	VL042417.D	28 Apr 2025 09:27		SY/MD	Ok
4	VL0428ABS01	VL0428ABS01	VL042418.D	28 Apr 2025 10:10		SY/MD	Ok,M
5	Q1665-05	IA-B2-3-3242025	VL042419.D	28 Apr 2025 10:59		SY/MD	Ok,M
6	Q1665-07	IA-DUP-1-3242025	VL042420.D	28 Apr 2025 11:33	Need 4x	SY/MD	Dilution
7	Q1665-12	IA-B2-6-3242025	VL042421.D	28 Apr 2025 12:17		SY/MD	Ok,M
8	Q1665-16	IA-B2-5-3242025	VL042422.D	28 Apr 2025 12:51		SY/MD	Ok,M
9	Q1665-19	IA-B2-2-3242025	VL042423.D	28 Apr 2025 13:26	Need 4x	SY/MD	Dilution
10	Q1665-21	IA-B2-1-3242025	VL042424.D	28 Apr 2025 14:00	Need 4X	SY/MD	Dilution
11	Q1665-22	IA-B2-4-3242025	VL042425.D	28 Apr 2025 14:34		SY/MD	Ok,M
12	Q1880-02	EBR-P02-SL-IA02-2025	VL042426.D	28 Apr 2025 15:08		SY/MD	Ok,M
13	Q1880-03	EBR-P08-SC-IA01-202	VL042427.D	28 Apr 2025 15:42		SY/MD	Ok,M
14	Q1880-08	EBR-P02-SC-IA01-202	VL042428.D	28 Apr 2025 16:16		SY/MD	Ok,M
15	Q1880-10	EBR-P16-SC-AA01-202	VL042429.D	28 Apr 2025 16:50		SY/MD	Ok,M
16	Q1880-10DUP	EBR-P16-SC-AA01-202	VL042430.D	28 Apr 2025 17:26		SY/MD	Ok,M
17	Q1880-01	EBR-P11-SC-SS01-202	VL042431.D	28 Apr 2025 18:00	Need 20X	SY/MD	Dilution
18	Q1880-06	EBR-P02-SC-DUP01-2	VL042432.D	28 Apr 2025 18:35		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042825

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:24:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:30:41 PM		
SubDirectory	VL042825	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1880-09	EBR-P16-SC-AA-DUP-	VL042433.D	28 Apr 2025 19:08		SY/MD	Ok,M
20	Q1880-04	EBR-P08-SC-SS01-202	VL042434.D	28 Apr 2025 19:41	rerun straight	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:28:33 PM		
SubDirectory	VL042925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042435.D	29 Apr 2025 07:55		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042436.D	29 Apr 2025 08:39		SY/MD	Ok,M
3	VL0429ABL01	VL0429ABL01	VL042437.D	29 Apr 2025 09:25		SY/MD	Ok
4	VL0429ABS01	VL0429ABS01	VL042438.D	29 Apr 2025 10:08		SY/MD	Ok,M
5	Q1880-04	EBR-P08-SC-SS01-202	VL042439.D	29 Apr 2025 10:59		SY/MD	Ok,M
6	Q1880-05DL	EBR-SC-SS-DUP01-20	VL042440.D	29 Apr 2025 11:30	Need Straight Run	SY/MD	Not Ok
7	Q1880-07DL	EBR-P16-SC-SS01-202	VL042441.D	29 Apr 2025 12:02		SY/MD	Ok,M
8	Q1880-11DL	EBR-P02-SC-SS01-202	VL042442.D	29 Apr 2025 12:33	Need Straight Run	SY/MD	Not Ok
9	Q1908-01	B-1	VL042443.D	29 Apr 2025 13:11		SY/MD	Ok,M
10	Q1908-02	B-2	VL042444.D	29 Apr 2025 13:45	rerun confirmation,4X	SY/MD	Not Ok
11	Q1908-03	B-3	VL042445.D	29 Apr 2025 14:19		SY/MD	Ok,M
12	Q1908-03DL	B-3DL	VL042446.D	29 Apr 2025 14:51	Not Required	SY/MD	Not Ok
13	Q1880-05	EBR-SC-SS-DUP01-20	VL042447.D	29 Apr 2025 15:24		SY/MD	Ok,M
14	Q1880-07	EBR-P16-SC-SS01-202	VL042448.D	29 Apr 2025 15:58	Need 10X	SY/MD	Dilution
15	Q1880-11	EBR-P02-SC-SS01-202	VL042449.D	29 Apr 2025 16:32		SY/MD	Ok,M
16	Q1880-01DL	EBR-P11-SC-SS01-202	VL042450.D	29 Apr 2025 17:04		SY/MD	Ok
17	Q1665-07DL	IA-DUP-1-3242025DL	VL042451.D	29 Apr 2025 17:37		SY/MD	Ok,M
18	Q1665-19DL	IA-B2-2-3242025DL	VL042452.D	29 Apr 2025 18:09		SY/MD	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:28:33 PM		
SubDirectory	VL042925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL041725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2602
Initial Calibration Stds	AP2598,AP2599,AP2600
CCC	AP2598
Internal Standard/PEM	AP2602
ICV/I.BLK	AP2601
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1665-21DL	IA-B2-1-3242025DL	VL042453.D	29 Apr 2025 18:42		SY/MD	Ok,M
20	Q1908-01DUP	B-1DUP	VL042454.D	29 Apr 2025 19:57		SY/MD	Ok,M
21	Q1908-02DL	B-2DL	VL042455.D	29 Apr 2025 20:30	not required ,not match	SY/MD	Not Ok
22	Q1908-02	B-2	VL042456.D	29 Apr 2025 21:58		SY/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1880

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: vl042825,vl042925,

Standard ID :
AP2598,AP2599,AP2600,AP2601,AP2602,

Chemical ID :
A1117,A1135,A1136,A1137,

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Fax : 908 789 8922

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2598	04/16/2025	05/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/18/2025

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	AP2599	04/16/2025	05/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/18/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2598 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2600	04/16/2025	05/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/18/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2598 = 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	AP2601	04/16/2025	05/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/18/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1137 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
47	Internal Standard/Surrogate Mix-80 ppbv	AP2602	04/18/2025	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/22/2025

FROM 2.40000psi of A1135 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC275465	07/16/2025	07/22/2024 / SAM	07/22/2024 / SAM	A1135

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003A	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1136

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003B	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1137

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC275465
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.014 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.008 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.979 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES:

Blend Tolerance: +/- 10 %

Analytical Tolerance: +/- 5 %

Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

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 : Q1880

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
04/25/2025	B2504018	Q1880-11	-1.4	10602	6 L	10203		C2504004	**VL042307.D** Seq :vl041025 TUNE : VL042299.D ICAL : VL042177.D CCAL : VL042300.D MB : VL042301.D
04/25/2025	B2504018	Q1880-10	-8.0	10326	6 L	10476		C2504004	**VL042307.D** Seq :vl041025 TUNE : VL042299.D ICAL : VL042177.D CCAL : VL042300.D MB : VL042301.D
04/25/2025	B2504018	Q1880-09	-7.1	10300	6 L	10110		C2504003	**VL042219.D** Seq :VL040425 TUNE : VL042214.D ICAL : VL042177.D CCAL : VL042215.D MB : VL042216.D
04/25/2025	B2504018	Q1880-08	-2.7	10282	6 L	10771		C2504005	**VL042308.D** Seq :vl041025 TUNE : VL042299.D ICAL : VL042177.D CCAL : VL042300.D MB : VL042301.D
04/25/2025	B2504018	Q1880-07	-6.3	10158	6 L	10785		C2504004	**VL042307.D** Seq :vl041025 TUNE : VL042299.D ICAL : VL042177.D CCAL : VL042300.D MB : VL042301.D
04/25/2025	B2504018	Q1880-06	-7.0	10024	6 L	10206		C2504005	**VL042308.D** Seq :vl041025 TUNE : VL042299.D ICAL : VL042177.D CCAL : VL042300.D MB : VL042301.D

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

Process Report

Order ID : Q1880

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
04/25/2025	B2504019	Q1880-04	-5.9	10333	6 L	10222		C2504006	**VL042316.D** Seq :VL041125 TUNE : VL042311.D ICAL : VL042177.D CCAL : VL042312.D MB : VL042313.D
04/25/2025	B2504019	Q1880-05	-4.7	10401	6 L	10236		C2504007	**VL042330.D** Seq :vl041525 TUNE : VL042325.D ICAL : VL042177.D CCAL : VL042326.D MB : VL042327.D
04/25/2025	B2504019	Q1880-03	-5.9	10323	6 L	10537		C2504007	**VL042330.D** Seq :vl041525 TUNE : VL042325.D ICAL : VL042177.D CCAL : VL042326.D MB : VL042327.D
04/25/2025	B2504019	Q1880-02	-6.3	10268	6 L	10183		C2504007	**VL042330.D** Seq :vl041525 TUNE : VL042325.D ICAL : VL042177.D CCAL : VL042326.D MB : VL042327.D
04/25/2025	B2504019	Q1880-01	-6.7	10258	6 L	10567		C2504007	**VL042330.D** Seq :vl041525 TUNE : VL042325.D ICAL : VL042177.D CCAL : VL042326.D MB : VL042327.D

Canister Cleaning

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

Canister Batch : C2504003

Type of Canister : 6 L

Cleaning Date : 04/03/2025

Analyst : SAM

Oven Temperature :

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10300	-30	04/03/2025	04/04/2025	-30	04/04/2025	Q1880-09	10300	VL042219.D
10334	-30	04/03/2025	04/04/2025	-30	04/04/2025	Q1802-03	10300	VL042219.D

Canister Cleaning

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

Canister Batch : C2504004

Type of Canister : 6 L

Cleaning Date : 04/09/2025

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
10602	-30	04/10/2025	04/10/2025	-30	04/11/2025	Q1880-11	10604	VL042307.D
10604	-30	04/10/2025	04/10/2025	-30	04/11/2025		10604	VL042307.D
10158	-30	04/10/2025	04/10/2025	-30	04/11/2025	Q1880-07	10604	VL042307.D
10326	-30	04/10/2025	04/10/2025	-30	04/11/2025	Q1880-10	10604	VL042307.D

Canister Cleaning

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

Canister Batch : C2504005

Type of Canister : 6 L

Cleaning Date : 04/08/2025

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
10283	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1927-03	10445	VL042308.D
10445	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1927-05	10445	VL042308.D
10267	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1927-02	10445	VL042308.D
10282	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1880-08	10445	VL042308.D
10607	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1927-06	10607	VL042310.D
10320	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1927-04	10445	VL042308.D
10024	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1880-06	10445	VL042308.D
10197	-30	04/09/2025	04/10/2025	-30	04/10/2025	Q1927-01	10197	VL042309.D

Canister Cleaning

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

Canister Batch : C2504006

Type of Canister : 6 L

Cleaning Date : 04/10/2025

Analyst : SAM

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10153	-30	04/11/2025	04/11/2025	-30	04/14/2025	Q1844-02	10596	VL042316.D
10596	-30	04/11/2025	04/11/2025	-30	04/14/2025	Q1881-01	10596	VL042316.D
10303	-30	04/11/2025	04/11/2025	-30	04/14/2025	Q1843-02	10596	VL042316.D
10296	-30	04/11/2025	04/11/2025	-30	04/14/2025		10596	VL042316.D
10321	-30	04/11/2025	04/11/2025	-30	04/14/2025	Q1844-01	10596	VL042316.D
10333	-30	04/11/2025	04/11/2025	-30	04/14/2025	Q1880-04	10596	VL042316.D
10279	-30	04/11/2025	04/11/2025	-30	04/14/2025		10596	VL042316.D
10605	-30	04/11/2025	04/11/2025	-30	04/14/2025	Q1843-01	10596	VL042316.D

Canister Cleaning

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

Canister Batch : C2504007

Type of Canister : 6 L

Cleaning Date : 04/14/2025

Analyst : SAM

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10599	-30	04/15/2025	04/15/2025	-30	04/16/2025		10401	VL042330.D
10595	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1908-02	10401	VL042330.D
10268	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-02	10401	VL042330.D
10323	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-03	10401	VL042330.D
10258	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-01	10401	VL042330.D
10198	-30	04/15/2025	04/15/2025	-30	04/16/2025		10401	VL042330.D
10053	-30	04/15/2025	04/15/2025	-30	04/16/2025		10401	VL042330.D
10401	-30	04/15/2025	04/15/2025	-30	04/16/2025	Q1880-05	10401	VL042330.D

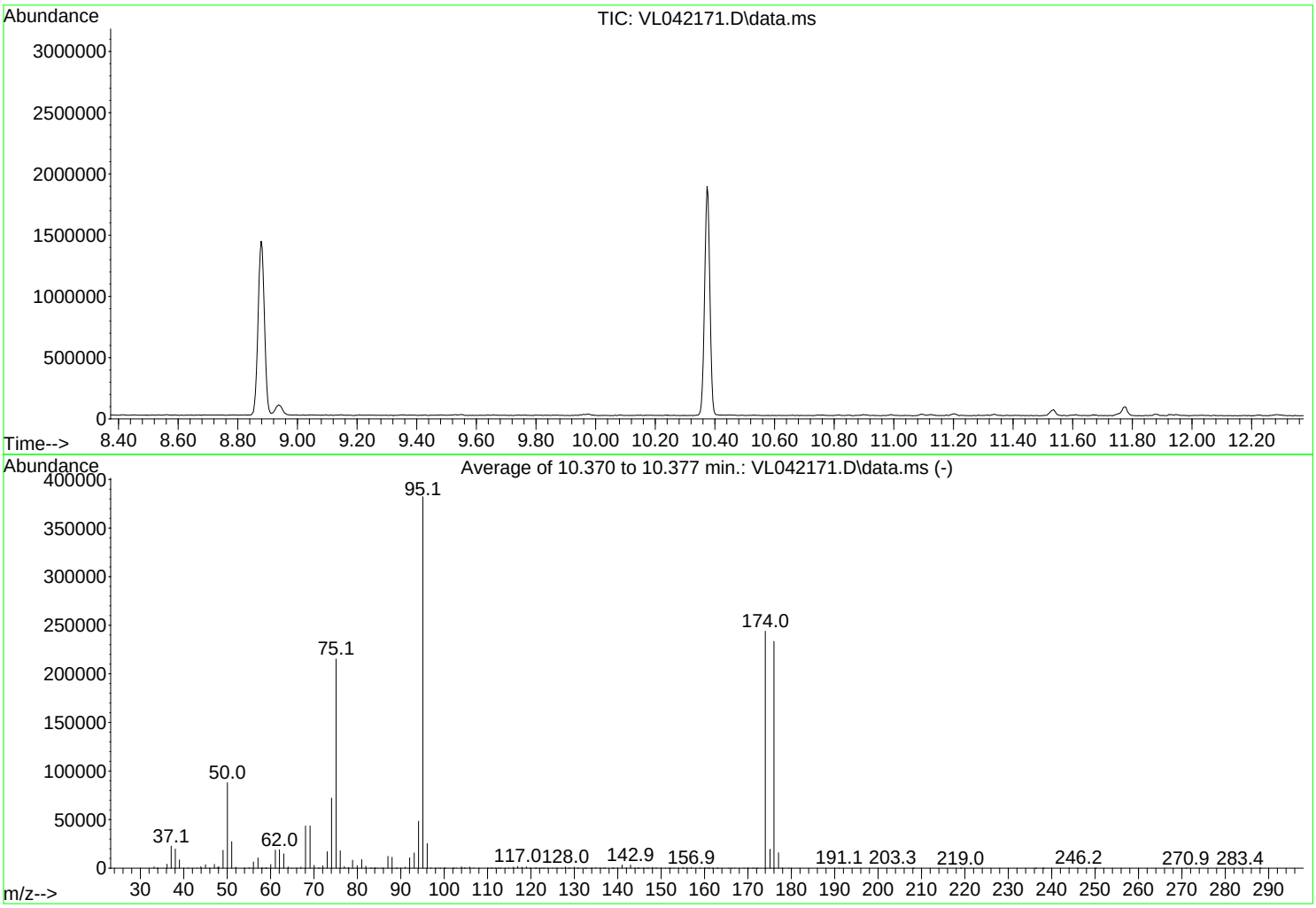
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042171.D
Acq On : 27 Mar 2025 07:44
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025



AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.0	87995	PASS
75	95	30	66	56.3	215296	PASS
95	95	100	100	100.0	382268	PASS
96	95	5	9	6.6	25383	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	63.8	243904	PASS
175	174	4	9	8.0	19539	PASS
176	174	93	101	95.7	233493	PASS
177	176	5	9	6.8	15877	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042177.D 0.1 =VL042176.D 0.5 =VL042175.D 1 =VL042174.D 2 =VL042173.D 10 =VL042172.D 15 =VL042178.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.602	1.514	1.482	1.404	1.380	1.476	6.03
3)		Chlorodifluoro...			1.622	1.541	1.514	1.457	1.408	1.508	5.41
4)		Chloromethane			0.660	0.597	0.618	0.573	0.570	0.603	6.17
5)	T	Vinyl Chloride	0.882	0.705	0.635	0.576	0.584	0.549	0.546	0.639	18.84
6)	T	Bromomethane			0.327	0.268	0.266	0.256	0.250	0.273	11.20
7)		Chloroethane			0.286	0.248	0.223	0.227	0.226	0.242	10.92
8)	T	Dichlorotetraf...			1.306	1.283	1.274	1.214	1.211	1.257	3.40
9)	T	Propene			0.734	0.736	0.698	0.660	0.630	0.691	6.69
10)	T	Heptane			1.847	1.940	1.897	1.792	1.719	1.839	4.73
11)	T	Trichlorofluor...			1.562	1.457	1.480	1.339	1.346	1.437	6.59
12)	T	1,1,2-Trichlor...			1.247	1.215	1.188	1.120	1.135	1.181	4.52
13)		Ethanol			0.110	0.086	0.073	0.029	0.028	0.065	55.48
14)	T	Bromoethene			0.529	0.447	0.460	0.417	0.409	0.452	10.47
15)	T	Acetone			1.699	1.573	1.469	1.113	1.139	1.399	18.73
16)	T	1,3-Butadiene			0.952	0.705	0.608	0.573	0.577	0.683	23.38
17)		tert-Butyl alc...			1.935	1.799	1.756	1.618	1.601	1.742	7.91
18)	T	1,1-Dichloroet...			0.624	0.565	0.560	0.504	0.507	0.552	8.99
19)	T	Isopropyl Alcohol			1.016	0.800	0.738	0.702	0.689	0.789	16.99
20)	T	Methylene Chlo...			0.624	0.563	0.545	0.438	0.435	0.521	15.85
21)	T	Allyl Chloride			1.067	1.022	1.020	0.902	0.921	0.986	7.25
22)	T	trans-1,2-Dich...			0.704	0.701	0.621	0.590	0.575	0.638	9.56
23)	T	Vinyl Acetate			0.754	0.692	0.550	0.498	0.532	0.605	18.40
24)	T	1,1-Dichloroet...			1.247	1.208	1.187	1.122	1.149	1.183	4.17
25)	T	Ethyl Acetate			4.017	3.619	3.703	3.457	3.353	3.630	7.06
26)	T	Hexane			1.507	1.462	1.383	1.333	1.325	1.402	5.71
27)	T	Carbon Disulfide			1.608	1.512	1.538	1.436	1.423	1.503	5.07
28)	T	Methyl tert-Bu...			0.921	0.886	0.894	0.831	0.832	0.873	4.56
29)	T	Chloroform			2.233	2.068	2.071	1.932	1.956	2.052	5.81
30)	T	Cyclohexane			1.337	1.238	1.211	1.162	1.140	1.217	6.33
31)	T	cis-1,2-Dichlo...			1.507	1.460	1.426	1.371	1.353	1.423	4.44
32)	T	1,1,1-Trichlor...	3.151	2.495	2.279	2.201	2.152	2.062	2.105	2.349	16.23
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.754	0.771	0.770	0.667	0.664	0.725	7.58
35)	T	Carbon Tetrach...	1.069	0.782	0.709	0.732	0.748	0.703	0.725	0.781	16.60
36)	T	Benzene			1.049	1.027	1.013	0.934	0.934	0.991	5.47
37)	T	1,2-Dichloroet...			0.613	0.569	0.563	0.537	0.556	0.568	4.95
38)	T	Trichloroethene	0.463	0.437	0.438	0.408	0.398	0.374	0.378	0.414	8.00
39)	T	1,2-Dichloropr...			0.386	0.373	0.365	0.337	0.344	0.361	5.68

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL032725AIR.M

40)	T	1,4-Dioxane			0.234	0.197	0.191	0.169	0.167	0.192	14.08
41)	T	Tetrahydrofuran			0.439	0.425	0.432	0.398	0.393	0.418	4.98
42)	T	Bromodichlorom...			0.778	0.779	0.802	0.769	0.785	0.782	1.58
43)		Methyl Methacr...			0.442	0.451	0.408	0.403	0.394	0.420	6.03
44)	T	2,2,4-Trimethy...			1.781	1.689	1.723	1.608	1.576	1.675	5.00
45)	T	t-1,3-Dichloro...			0.474	0.447	0.453	0.439	0.440	0.450	3.15
46)	T	cis-1,3-Dichlo...			0.549	0.560	0.566	0.550	0.535	0.552	2.12
47)	T	1,1,2-Trichlor...			0.419	0.382	0.379	0.364	0.365	0.382	5.88
48)	T	Dibromochlorom...			0.651	0.641	0.663	0.636	0.644	0.647	1.62
49)	T	Bromoform			0.566	0.588	0.597	0.582	0.570	0.581	2.18
50)	T	4-Methyl-2-Pen...			1.286	1.214	1.211	1.027	1.008	1.149	10.79
51)	T	2-Hexanone			0.999	1.018	1.031	0.844	0.827	0.944	10.56
52)	T	Tetrachloroethene	0.572	0.359	0.401	0.361	0.371	0.343	0.345	0.393	20.64
53)	T	Toluene			1.239	1.203	1.202	1.125	1.108	1.175	4.76
54)	T	1,2-Dibromoethane		0.574	0.543	0.538	0.520	0.508	0.510	0.532	4.74
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.576	0.575	0.576	0.510	0.515	0.550	6.30
57)	T	Chlorobenzene			1.024	0.979	0.994	0.875	0.871	0.949	7.46
58)	T	Ethyl Benzene			1.850	1.822	1.894	1.671	1.645	1.776	6.28
59)	T	m/p-Xylene			1.505	1.472	1.484	1.321	1.309	1.418	6.71
60)	T	o-Xylene			1.521	1.475	1.499	1.328	1.287	1.422	7.50
61)	T	Styrene			0.709	0.722	0.735	0.683	0.668	0.703	3.92
62)		Isopropylbenzene			2.290	2.199	2.261	1.962	1.920	2.126	8.14
63)	T	1,1,2,2-Tetrac...	0.986	0.800	0.907	0.889	0.893	0.796	0.777	0.864	8.78
64)		n-propylbenzene			0.578	0.581	0.576	0.499	0.502	0.547	7.81
65)		tert-Butylbenzene			2.190	2.071	2.144	1.736	1.691	1.966	11.96
66)	T	Benzyl Chloride			0.217	0.213	0.221	0.203	0.189	0.209	6.06
67)		sec-Butylbenzene			3.005	2.994	2.947	2.404	2.316	2.733	12.54
68)	S	1-Bromo-4-Fluo...	0.820	0.827	0.832	0.810	0.828	0.813	0.820	0.821	0.98
69)		p-Isopropyltol...			2.554	2.551	2.560	2.078	2.025	2.354	11.74
70)		n-Butylbenzene			2.536	2.598	2.682	2.137	2.082	2.407	11.51
71)		2-Chlorotoluene			1.717	1.728	1.759	1.538	1.510	1.650	7.07
72)	T	4-Ethyltoluene			1.834	1.859	1.929	1.629	1.601	1.770	8.26
73)	T	1,3,5-Trimethy...			1.616	1.671	1.677	1.387	1.381	1.546	9.71
74)	T	1,2,4-Trimethy...			1.994	1.958	1.966	1.510	1.478	1.781	14.74
75)	T	1,3-Dichlorobe...			1.036	1.022	1.063	0.882	0.882	0.977	8.99
76)	T	1,4-Dichlorobe...			1.030	1.017	1.040	0.888	0.886	0.972	8.05
77)	T	1,2-Dichlorobe...			1.012	1.031	1.014	0.850	0.850	0.951	9.78
78)	T	Hexachloro-1,3...			1.057	1.113	1.086	0.802	0.784	0.968	16.65
79)	T	Naphthalene		1.637	1.979	2.181	2.314	1.806	1.773	1.948	13.31
80)	T	Naphthalene,2-...			0.721	0.891	1.163	0.990	1.013	0.955	17.09
81)	T	1,2,4-Trichlor...			0.821	0.941	1.028	0.859	0.843	0.899	9.51

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	187002	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	545068	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	519536	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	422410	9.901	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	262496	9.507	ppbv		100
3) Chlorodifluoromethane	1.473	51	272522	9.662	ppbv		100
4) Chloromethane	1.531	50	107099	9.491	ppbv		100
5) Vinyl Chloride	1.577	62	102699	8.925	ppbv		100
6) Bromomethane	1.664	94	47950	9.377	ppbv		100
7) Chloroethane	1.703	64	42516	9.387	ppbv		100
8) Dichlorotetrafluoroethane	1.551	85	227041	9.656	ppbv		100
9) Propene	1.483	41	123386	9.709	ppbv		100
10) Heptane	4.972	43	335086	9.744	ppbv		100
11) Trichlorofluoromethane	1.874	101	250349	9.318	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.137	101	209365	9.481	ppbv		100
13) Ethanol	1.719	45	5338	5.364	ppbv		100
14) Bromoethene	1.777	108	77999	9.220	ppbv		100
15) Acetone	1.832	43	208061	7.955	ppbv		100
16) 1,3-Butadiene	1.606	39	107104	9.105	ppbv		100
17) tert-Butyl alcohol	2.036	59	302616	9.290	ppbv		100
18) 1,1-Dichloroethene	2.030	96	94236	9.128	ppbv		100
19) Isopropyl Alcohol	1.884	45	131359	8.902	ppbv		100
20) Methylene Chloride	2.059	84	81828	8.401	ppbv		100
21) Allyl Chloride	2.091	41	168602	9.141	ppbv		100
22) trans-1,2-Dichloroethene	2.337	96	110371	9.149	ppbv		100
23) Vinyl Acetate	2.460	43	93080	8.563	ppbv		100
24) 1,1-Dichloroethane	2.405	63	209753	9.484	ppbv		100
25) Ethyl Acetate	2.833	43	646501	9.524	ppbv		100
26) Hexane	2.823	57	249331	9.510	ppbv		100
27) Carbon Disulfide	2.146	76	268507	9.550	ppbv		100
28) Methyl tert-Butyl Ether	2.438	73	155398	9.520	ppbv		100
29) Chloroform	2.845	83	361264	9.415	ppbv		100
30) Cyclohexane	3.852	84	217215	9.537	ppbv		100
31) cis-1,2-Dichloroethene	2.716	61	256425	9.634	ppbv		100
32) 1,1,1-Trichloroethane	3.363	97	385628	8.784	ppbv		100
34) 2-Butanone	2.554	43	363735	9.203	ppbv		100
35) Carbon Tetrachloride	3.758	117	382925	9.129	ppbv		100
36) Benzene	3.651	78	508860	9.417	ppbv		100
37) 1,2-Dichloroethane	3.214	62	292937	9.469	ppbv		100
38) Trichloroethene	4.545	130	204027	9.045	ppbv		100
39) 1,2-Dichloropropane	4.312	63	183439	9.321	ppbv		100
40) 1,4-Dioxane	4.577	88	92327	9.042	ppbv	#	100
41) Tetrahydrofuran	3.049	42	216851	9.643	ppbv		100
42) Bromodichloromethane	4.483	83	418887	9.822	ppbv		100
43) Methyl Methacrylate	4.872	69	219399	9.618	ppbv		100
44) 2,2,4-Trimethylpentane	4.635	57	876649	9.600	ppbv		100
45) t-1,3-Dichloropropene	6.406	75	239180	9.746	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	300021	9.973	ppbv		100
47) 1,1,2-Trichloroethane	6.574	97	198176	9.526	ppbv		100
48) Dibromochloromethane	7.380	129	346499	9.828	ppbv		100
49) Bromoform	9.477	173	317189	10.021	ppbv		100
50) 4-Methyl-2-Pentanone	5.745	43	559800	8.934	ppbv		100
51) 2-Hexanone	7.432	43	460013	8.848	ppbv	#	100
52) Tetrachloroethene	8.218	164	186912	8.722	ppbv		100
53) Toluene	6.927	91	613378	9.576	ppbv		100
54) 1,2-Dibromoethane	7.649	107	276797	9.536	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.917	131	265037	9.268	ppbv		100
57) Chlorobenzene	8.917	112	454511	9.223	ppbv		100
58) Ethyl Benzene	9.351	91	868003	9.406	ppbv		100
59) m/p-Xylene	9.549	91	1372806m	18.607	ppbv		
60) o-Xylene	9.960	91	689933	9.340	ppbv		100
61) Styrene	9.866	104	354697	9.706	ppbv		100
62) Isopropylbenzene	10.536	105	1019255	9.227	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.960	83	413392	9.210	ppbv		100
64) n-propylbenzene	10.986	120	259405	9.122	ppbv		100
65) tert-Butylbenzene	11.529	119	901951	8.828	ppbv		100
66) Benzyl Chloride	11.610	91	105411	9.724	ppbv		100
67) sec-Butylbenzene	11.766	105	1249106	8.796	ppbv		100
69) p-Isopropyltoluene	11.924	119	1079675	8.830	ppbv		100
70) n-Butylbenzene	12.277	91	1110351	8.879	ppbv		100
71) 2-Chlorotoluene	10.898	91	799102	9.320	ppbv		100
72) 4-Ethyltoluene	11.122	105	846232	9.200	ppbv		100
73) 1,3,5-Trimethylbenzene	11.199	105	720566	8.970	ppbv		100
74) 1,2,4-Trimethylbenzene	11.536	105	784745	8.480	ppbv		100
75) 1,3-Dichlorobenzene	11.604	146	458226	9.028	ppbv		100
76) 1,4-Dichlorobenzene	11.669	146	461371	9.134	ppbv		100
77) 1,2-Dichlorobenzene	11.944	146	441473	8.933	ppbv		100
78) Hexachloro-1,3-Butadiene	13.879	225	416735	8.284	ppbv		100
79) Naphthalene	13.510	128	938470	9.271	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	514394	10.436	ppbv		100
81) 1,2,4-Trichlorobenzene	13.439	180	446420	9.561	ppbv		100

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

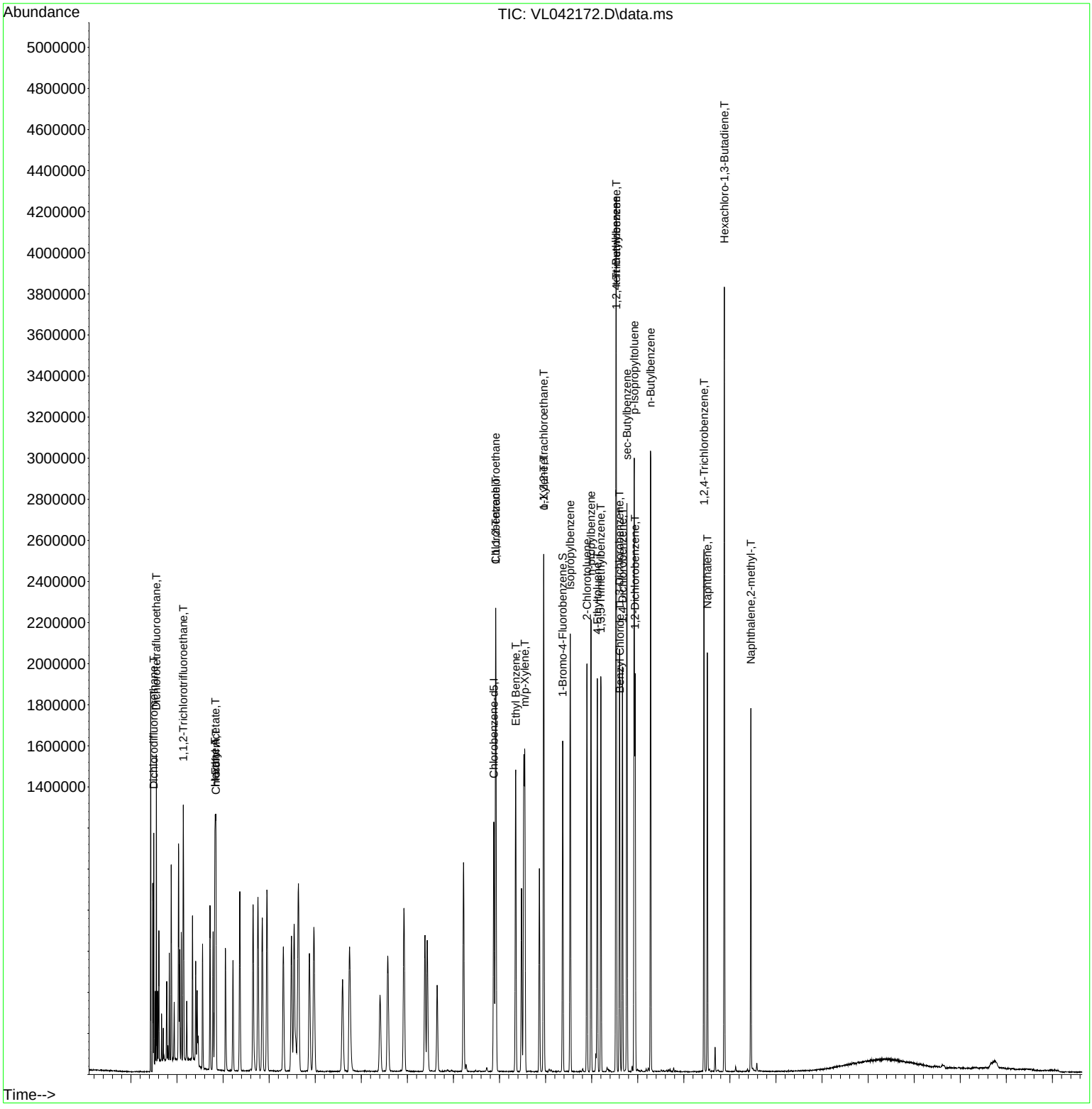
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	188395	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	546394	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	504538	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	417532	10.077	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	55859	2.008	ppbv		99
3) Chlorodifluoromethane	1.473	51	57045	2.007	ppbv		99
4) Chloromethane	1.531	50	23293	2.049	ppbv		94
5) Vinyl Chloride	1.576	62	21989	1.897	ppbv		99
6) Bromomethane	1.664	94	10027	1.946	ppbv		98
7) Chloroethane	1.703	64	8413	1.844	ppbv		92
8) Dichlorotetrafluoroethane	1.551	85	48008	2.027	ppbv		98
9) Propene	1.483	41	26295	2.054	ppbv		94
10) Heptane	4.972	43	71466	2.063	ppbv		99
11) Trichlorofluoromethane	1.874	101	55754	2.060	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.136	101	44761	2.012	ppbv		98
13) Ethanol	1.719	45	2748m	2.741	ppbv		
14) Bromoethene	1.780	108	17323	2.033	ppbv	#	89
15) Acetone	1.832	43	55365	2.101	ppbv		95
16) 1,3-Butadiene	1.606	39	22894	1.932	ppbv		95
17) tert-Butyl alcohol	2.039	59	66174	2.016	ppbv		100
18) 1,1-Dichloroethene	2.030	96	21103	2.029	ppbv		95
19) Isopropyl Alcohol	1.884	45	27804	1.870	ppbv	#	35
20) Methylene Chloride	2.059	84	20518	2.091	ppbv		96
21) Allyl Chloride	2.094	41	38425	2.068	ppbv		99
22) trans-1,2-Dichloroethene	2.337	96	23384	1.924	ppbv		92
23) Vinyl Acetate	2.460	43	20736	1.894	ppbv	#	97
24) 1,1-Dichloroethane	2.405	63	44740	2.008	ppbv		99
25) Ethyl Acetate	2.832	43	139516	2.040	ppbv		99
26) Hexane	2.823	57	52095	1.972	ppbv		92
27) Carbon Disulfide	2.146	76	57969	2.047	ppbv	#	76
28) Methyl tert-Butyl Ether	2.437	73	33703	2.049	ppbv		99
29) Chloroform	2.845	83	78043	2.019	ppbv		95
30) Cyclohexane	3.852	84	45641	1.989	ppbv		99
31) cis-1,2-Dichloroethene	2.719	61	53713	2.003	ppbv		96
32) 1,1,1-Trichloroethane	3.363	97	81070	1.833	ppbv		99
34) 2-Butanone	2.554	43	84157	2.124	ppbv		99
35) Carbon Tetrachloride	3.758	117	81735	1.944	ppbv		96
36) Benzene	3.651	78	110727	2.044	ppbv		97
37) 1,2-Dichloroethane	3.214	62	61476	1.982	ppbv		97
38) Trichloroethene	4.541	130	43501	1.924	ppbv		97
39) 1,2-Dichloropropane	4.308	63	39912	2.023	ppbv		93
40) 1,4-Dioxane	4.587	88	20884m	2.040	ppbv		
41) Tetrahydrofuran	3.056	42	47262	2.097	ppbv		99
42) Bromodichloromethane	4.483	83	87640	2.050	ppbv		99
43) Methyl Methacrylate	4.878	69	44624	1.952	ppbv		97
44) 2,2,4-Trimethylpentane	4.632	57	188282	2.057	ppbv		100
45) t-1,3-Dichloropropene	6.406	75	49461	2.011	ppbv		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	61829	2.050	ppbv	#	91
47) 1,1,2-Trichloroethane	6.577	97	41387	1.985	ppbv		95
48) Dibromochloromethane	7.383	129	72441	2.050	ppbv		100
49) Bromoform	9.477	173	65221	2.056	ppbv		98
50) 4-Methyl-2-Pentanone	5.752	43	132328	2.107	ppbv		99
51) 2-Hexanone	7.435	43	112681	2.162	ppbv	#	99
52) Tetrachloroethene	8.221	164	40558	1.888	ppbv		98
53) Toluene	6.923	91	131314	2.045	ppbv		99
54) 1,2-Dibromoethane	7.648	107	56799	1.952	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.920	131	58141	2.093	ppbv		97
57) Chlorobenzene	8.914	112	100308	2.096	ppbv	#	94
58) Ethyl Benzene	9.351	91	191114	2.132	ppbv		96
59) m/p-Xylene	9.548	91	299531m	4.181	ppbv		
60) o-Xylene	9.959	91	151292	2.109	ppbv		98
61) Styrene	9.865	104	74134	2.089	ppbv		98
62) Isopropylbenzene	10.535	105	228191	2.127	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	90114	2.067	ppbv		99
64) n-propylbenzene	10.985	120	58105	2.104	ppbv		92
65) tert-Butylbenzene	11.529	119	216336	2.180	ppbv		99
66) Benzyl Chloride	11.610	91	22272	2.116	ppbv		95
67) sec-Butylbenzene	11.762	105	297381	2.156	ppbv		99
69) p-Isopropyltoluene	11.921	119	258357	2.176	ppbv		100
70) n-Butylbenzene	12.277	91	270616	2.228	ppbv		99
71) 2-Chlorotoluene	10.898	91	177487	2.132	ppbv		100
72) 4-Ethyltoluene	11.121	105	194660	2.179	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	169221	2.169	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	198351	2.207	ppbv		96
75) 1,3-Dichlorobenzene	11.604	146	107217	2.175	ppbv		97
76) 1,4-Dichlorobenzene	11.668	146	104925	2.139	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	102310	2.132	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	109539	2.242	ppbv		99
79) Naphthalene	13.510	128	233451	2.375	ppbv		97
80) Naphthalene,2-methyl-	14.455	142	117313	2.451	ppbv		99
81) 1,2,4-Trichlorobenzene	13.435	180	103765	2.288	ppbv		97

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

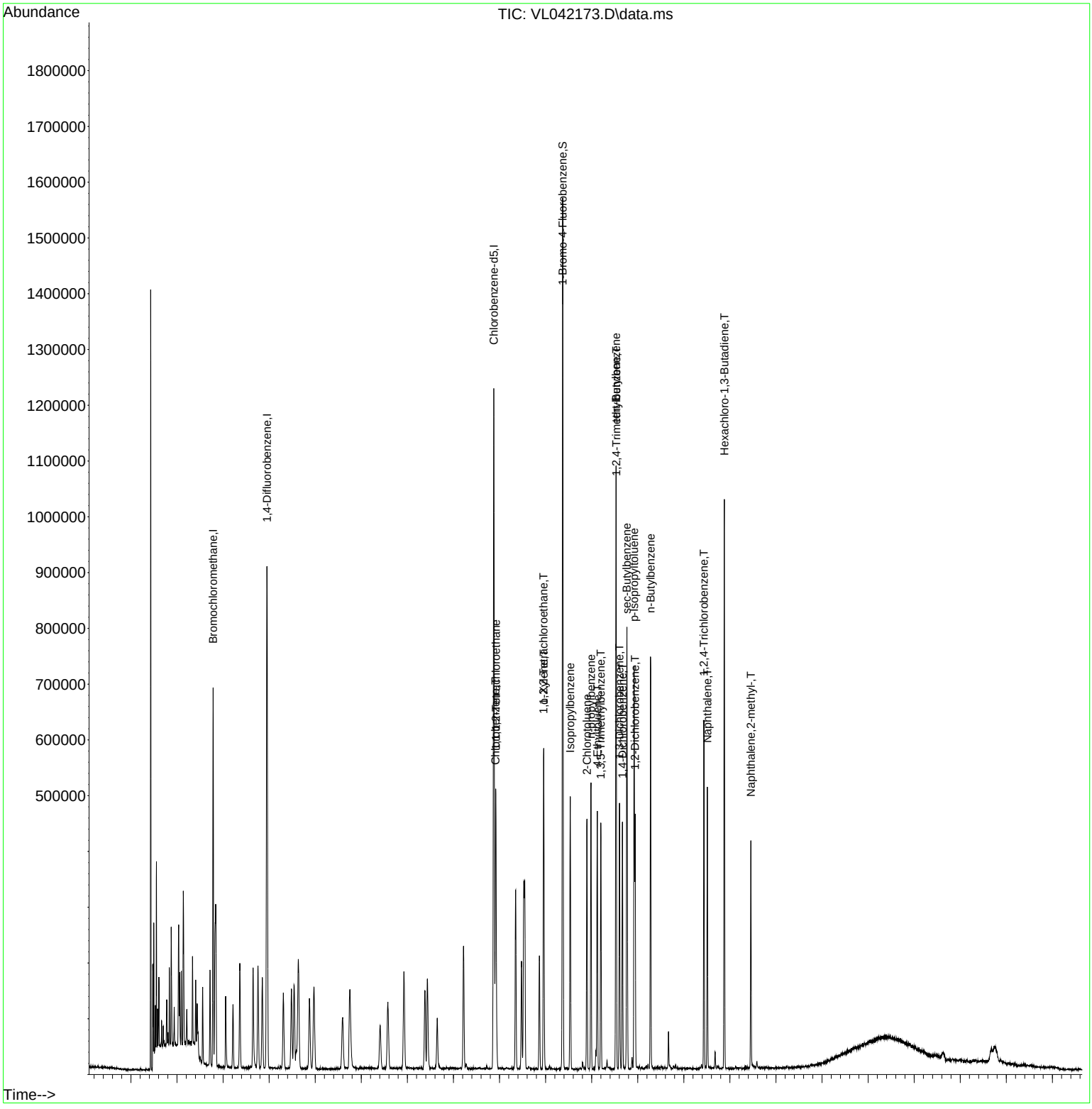
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	186244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	537244	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	499830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	404753	9.861	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	28203	1.026	ppbv	99
3) Chlorodifluoromethane	1.473	51	28693	1.021	ppbv	94
4) Chloromethane	1.531	50	11111	0.989	ppbv	99
5) Vinyl Chloride	1.577	62	10723	0.936	ppbv	98
6) Bromomethane	1.667	94	4984	0.979	ppbv	97
7) Chloroethane	1.703	64	4622	1.025	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	23886	1.020	ppbv	98
9) Propene	1.483	41	13699m	1.082	ppbv	
10) Heptane	4.975	43	36132	1.055	ppbv	100
11) Trichlorofluoromethane	1.875	101	27136	1.014	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	22629	1.029	ppbv	99
13) Ethanol	1.719	45	1610m	1.624	ppbv	
14) Bromoethene	1.781	108	8330	0.989	ppbv #	82
15) Acetone	1.836	43	29294	1.125	ppbv	95
16) 1,3-Butadiene	1.606	39	13133	1.121	ppbv	97
17) tert-Butyl alcohol	2.040	59	33500	1.033	ppbv	97
18) 1,1-Dichloroethene	2.033	96	10532	1.024	ppbv	89
19) Isopropyl Alcohol	1.884	45	14903	1.014	ppbv #	38
20) Methylene Chloride	2.059	84	10481	1.080	ppbv	93
21) Allyl Chloride	2.095	41	19039	1.036	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	13051m	1.086	ppbv	
23) Vinyl Acetate	2.464	43	12883m	1.190	ppbv	
24) 1,1-Dichloroethane	2.409	63	22505	1.022	ppbv	99
25) Ethyl Acetate	2.836	43	67402	0.997	ppbv #	96
26) Hexane	2.823	57	27223	1.043	ppbv	98
27) Carbon Disulfide	2.146	76	28167	1.006	ppbv #	47
28) Methyl tert-Butyl Ether	2.441	73	16501	1.015	ppbv	95
29) Chloroform	2.845	83	38516	1.008	ppbv	96
30) Cyclohexane	3.852	84	23052	1.016	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	27187	1.026	ppbv	89
32) 1,1,1-Trichloroethane	3.363	97	40993	0.938	ppbv	99
34) 2-Butanone	2.557	43	41423	1.063	ppbv	98
35) Carbon Tetrachloride	3.758	117	39345	0.952	ppbv	93
36) Benzene	3.651	78	55156	1.036	ppbv	94
37) 1,2-Dichloroethane	3.218	62	30543	1.002	ppbv	98
38) Trichloroethene	4.545	130	21906	0.985	ppbv	93
39) 1,2-Dichloropropane	4.312	63	20020	1.032	ppbv	99
40) 1,4-Dioxane	4.593	88	10592m	1.052	ppbv	
41) Tetrahydrofuran	3.056	42	22818	1.029	ppbv	97
42) Bromodichloromethane	4.483	83	41864	0.996	ppbv	90
43) Methyl Methacrylate	4.875	69	24233m	1.078	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	90727	1.008	ppbv	96
45) t-1,3-Dichloropropene	6.403	75	23993m	0.992	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.593	75	30063	1.014	ppbv		93
47)	1,1,2-Trichloroethane	6.577	97	20546	1.002	ppbv		96
48)	Dibromochloromethane	7.383	129	34425	0.991	ppbv		100
49)	Bromoform	9.481	173	31610	1.013	ppbv		98
50)	4-Methyl-2-Pentanone	5.752	43	65226m	1.056	ppbv		
51)	2-Hexanone	7.438	43	54680	1.067	ppbv	#	100
52)	Tetrachloroethene	8.222	164	19415	0.919	ppbv		95
53)	Toluene	6.927	91	64612	1.023	ppbv		99
54)	1,2-Dibromoethane	7.652	107	28879	1.009	ppbv		95
56)	1,1,1,2-Tetrachloroethane	8.924	131	28764	1.045	ppbv	#	87
57)	Chlorobenzene	8.917	112	48930	1.032	ppbv		93
58)	Ethyl Benzene	9.348	91	91086	1.026	ppbv		97
59)	m/p-Xylene	9.529	91	147162m	2.073	ppbv		
60)	o-Xylene	9.960	91	73702	1.037	ppbv		96
61)	Styrene	9.866	104	36110	1.027	ppbv		97
62)	Isopropylbenzene	10.536	105	109897	1.034	ppbv		98
63)	1,1,2,2-Tetrachloroethane	9.960	83	44431	1.029	ppbv		99
64)	n-propylbenzene	10.986	120	29054	1.062	ppbv		98
65)	tert-Butylbenzene	11.526	119	103520	1.053	ppbv		96
66)	Benzyl Chloride	11.614	91	10660	1.022	ppbv	#	93
67)	sec-Butylbenzene	11.762	105	149660	1.095	ppbv		97
69)	p-Isopropyltoluene	11.921	119	127509	1.084	ppbv		99
70)	n-Butylbenzene	12.280	91	129860	1.079	ppbv		99
71)	2-Chlorotoluene	10.898	91	86356	1.047	ppbv		100
72)	4-Ethyltoluene	11.122	105	92912	1.050	ppbv		99
73)	1,3,5-Trimethylbenzene	11.199	105	83497	1.080	ppbv		92
74)	1,2,4-Trimethylbenzene	11.533	105	97858	1.099	ppbv		94
75)	1,3-Dichlorobenzene	11.604	146	51096	1.046	ppbv		99
76)	1,4-Dichlorobenzene	11.669	146	50841	1.046	ppbv		99
77)	1,2-Dichlorobenzene	11.944	146	51523	1.084	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.879	225	55611	1.149	ppbv		97
79)	Naphthalene	13.510	128	109031	1.120	ppbv		99
80)	Naphthalene,2-methyl-	14.455	142	44518	0.939	ppbv		99
81)	1,2,4-Trichlorobenzene	13.436	180	47040	1.047	ppbv		98

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

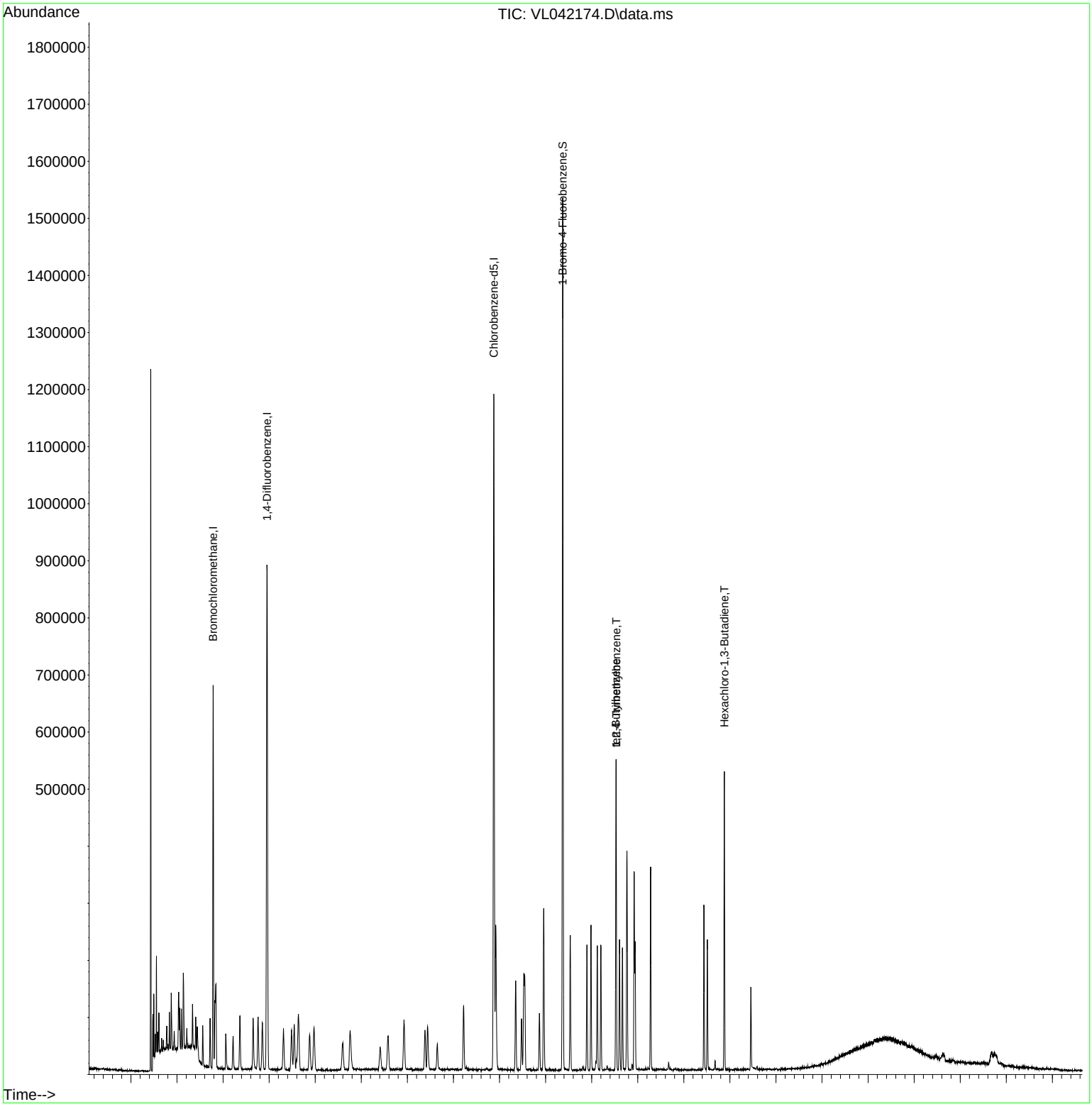
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	180502	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	523832	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	485078	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	403513	10.130	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	14455	0.542	ppbv		95
3) Chlorodifluoromethane	1.473	51	14637	0.538	ppbv	#	89
4) Chloromethane	1.531	50	5956	0.547	ppbv		94
5) Vinyl Chloride	1.577	62	5732	0.516	ppbv		92
6) Bromomethane	1.664	94	2949	0.597	ppbv		95
7) Chloroethane	1.703	64	2582	0.591	ppbv	#	87
8) Dichlorotetrafluoroethane	1.551	85	11783	0.519	ppbv		98
9) Propene	1.483	41	6622m	0.540	ppbv		
10) Heptane	4.972	43	16673	0.502	ppbv		89
11) Trichlorofluoromethane	1.874	101	14099	0.544	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.136	101	11252	0.528	ppbv		99
13) Ethanol	1.722	45	997	1.038	ppbv	#	36
14) Bromoethene	1.780	108	4770	0.584	ppbv	#	86
15) Acetone	1.835	43	15331	0.607	ppbv	#	85
16) 1,3-Butadiene	1.606	39	8594	0.757	ppbv		82
17) tert-Butyl alcohol	2.039	59	17467	0.556	ppbv		97
18) 1,1-Dichloroethene	2.030	96	5634	0.565	ppbv	#	92
19) Isopropyl Alcohol	1.884	45	9171	0.644	ppbv	#	39
20) Methylene Chloride	2.059	84	5634	0.599	ppbv	#	93
21) Allyl Chloride	2.091	41	9632	0.541	ppbv		89
22) trans-1,2-Dichloroethene	2.334	96	6353	0.546	ppbv		83
23) Vinyl Acetate	2.457	43	6809	0.649	ppbv	#	91
24) 1,1-Dichloroethane	2.405	63	11258	0.527	ppbv		97
25) Ethyl Acetate	2.836	43	36258	0.553	ppbv		98
26) Hexane	2.823	57	13605	0.538	ppbv		92
27) Carbon Disulfide	2.146	76	14510	0.535	ppbv	#	1
28) Methyl tert-Butyl Ether	2.437	73	8310	0.527	ppbv	#	89
29) Chloroform	2.845	83	20149	0.544	ppbv		98
30) Cyclohexane	3.852	84	12063m	0.549	ppbv		
31) cis-1,2-Dichloroethene	2.719	61	13601	0.529	ppbv		92
32) 1,1,1-Trichloroethane	3.360	97	20567	0.485	ppbv		100
34) 2-Butanone	2.557	43	19739	0.520	ppbv		96
35) Carbon Tetrachloride	3.755	117	18558	0.460	ppbv		93
36) Benzene	3.651	78	27488	0.529	ppbv	#	87
37) 1,2-Dichloroethane	3.214	62	16062	0.540	ppbv		100
38) Trichloroethene	4.538	130	11460m	0.529	ppbv		
39) 1,2-Dichloropropane	4.308	63	10123	0.535	ppbv		92
40) 1,4-Dioxane	4.593	88	6121m	0.624	ppbv		
41) Tetrahydrofuran	3.059	42	11509m	0.533	ppbv		
42) Bromodichloromethane	4.483	83	20374	0.497	ppbv	#	98
43) Methyl Methacrylate	4.875	69	11583m	0.528	ppbv		
44) 2,2,4-Trimethylpentane	4.632	57	46646	0.532	ppbv		95
45) t-1,3-Dichloropropene	6.406	75	12404	0.526	ppbv	#	79

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	14374m	0.497	ppbv		
47) 1,1,2-Trichloroethane	6.574	97	10972m	0.549	ppbv		
48) Dibromochloromethane	7.380	129	17042	0.503	ppbv		99
49) Bromoform	9.480	173	14828	0.487	ppbv		98
50) 4-Methyl-2-Pentanone	5.758	43	33674	0.559	ppbv		97
51) 2-Hexanone	7.438	43	26154	0.523	ppbv	#	100
52) Tetrachloroethene	8.218	164	10502	0.510	ppbv		94
53) Toluene	6.923	91	32444	0.527	ppbv		98
54) 1,2-Dibromoethane	7.648	107	14220	0.510	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.920	131	13959	0.523	ppbv	#	1
57) Chlorobenzene	8.914	112	24826	0.540	ppbv	#	91
58) Ethyl Benzene	9.348	91	44862	0.521	ppbv		96
59) m/p-Xylene	9.542	91	73028m	1.060	ppbv		
60) o-Xylene	9.959	91	36879	0.535	ppbv		98
61) Styrene	9.866	104	17198	0.504	ppbv		96
62) Isopropylbenzene	10.536	105	55531	0.538	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	21989	0.525	ppbv		96
64) n-propylbenzene	10.985	120	14030	0.528	ppbv		95
65) tert-Butylbenzene	11.526	119	53115	0.557	ppbv		100
66) Benzyl Chloride	11.613	91	5263	0.520	ppbv		97
67) sec-Butylbenzene	11.762	105	72879	0.550	ppbv		98
69) p-Isopropyltoluene	11.921	119	61933	0.542	ppbv		100
70) n-Butylbenzene	12.277	91	61507	0.527	ppbv		99
71) 2-Chlorotoluene	10.895	91	41637	0.520	ppbv		95
72) 4-Ethyltoluene	11.121	105	44473	0.518	ppbv	#	94
73) 1,3,5-Trimethylbenzene	11.199	105	39190	0.523	ppbv		97
74) 1,2,4-Trimethylbenzene	11.532	105	48370	0.560	ppbv		97
75) 1,3-Dichlorobenzene	11.600	146	25122	0.530	ppbv		100
76) 1,4-Dichlorobenzene	11.668	146	24991	0.530	ppbv		97
77) 1,2-Dichlorobenzene	11.943	146	24548	0.532	ppbv		96
78) Hexachloro-1,3-Butadiene	13.879	225	25636	0.546	ppbv		99
79) Naphthalene	13.510	128	47990	0.508	ppbv		95
80) Naphthalene,2-methyl-	14.458	142	17486	0.380	ppbv		98
81) 1,2,4-Trichlorobenzene	13.436	180	19924	0.457	ppbv		97

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

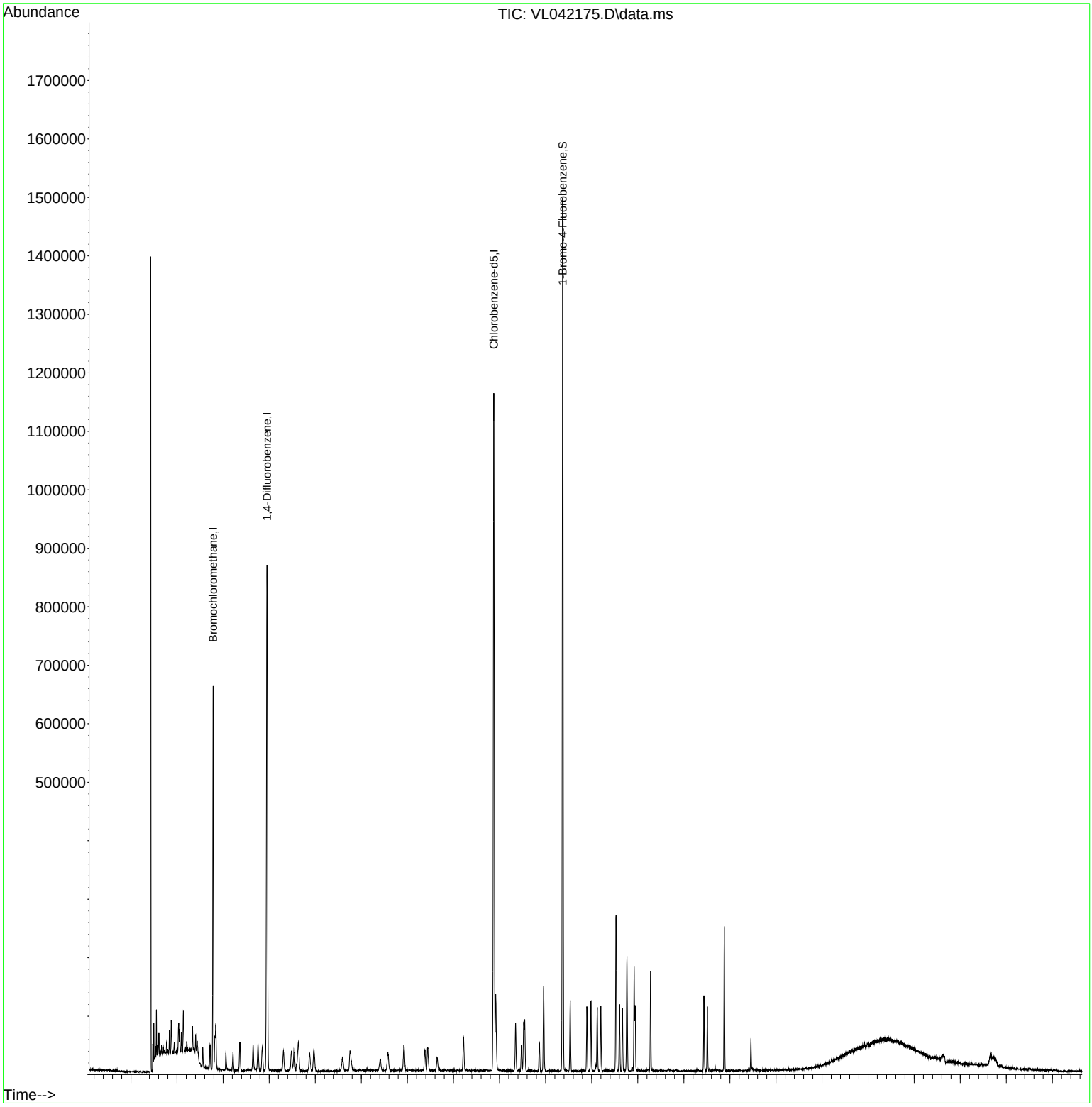
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	180740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	528028	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	481506	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	398069	10.067	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	1274	0.115	ppbv	# 42
32) 1,1,1-Trichloroethane	3.366	97	4509m	0.106	ppbv	
35) Carbon Tetrachloride	3.768	117	4131m	0.102	ppbv	
38) Trichloroethene	4.551	130	2306m	0.106	ppbv	
52) Tetrachloroethene	8.225	164	1895m	0.091	ppbv	
54) 1,2-Dibromoethane	7.652	107	3033m	0.108	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3852m	0.093	ppbv	
79) Naphthalene	13.513	128	7882	0.084	ppbv	# 92

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

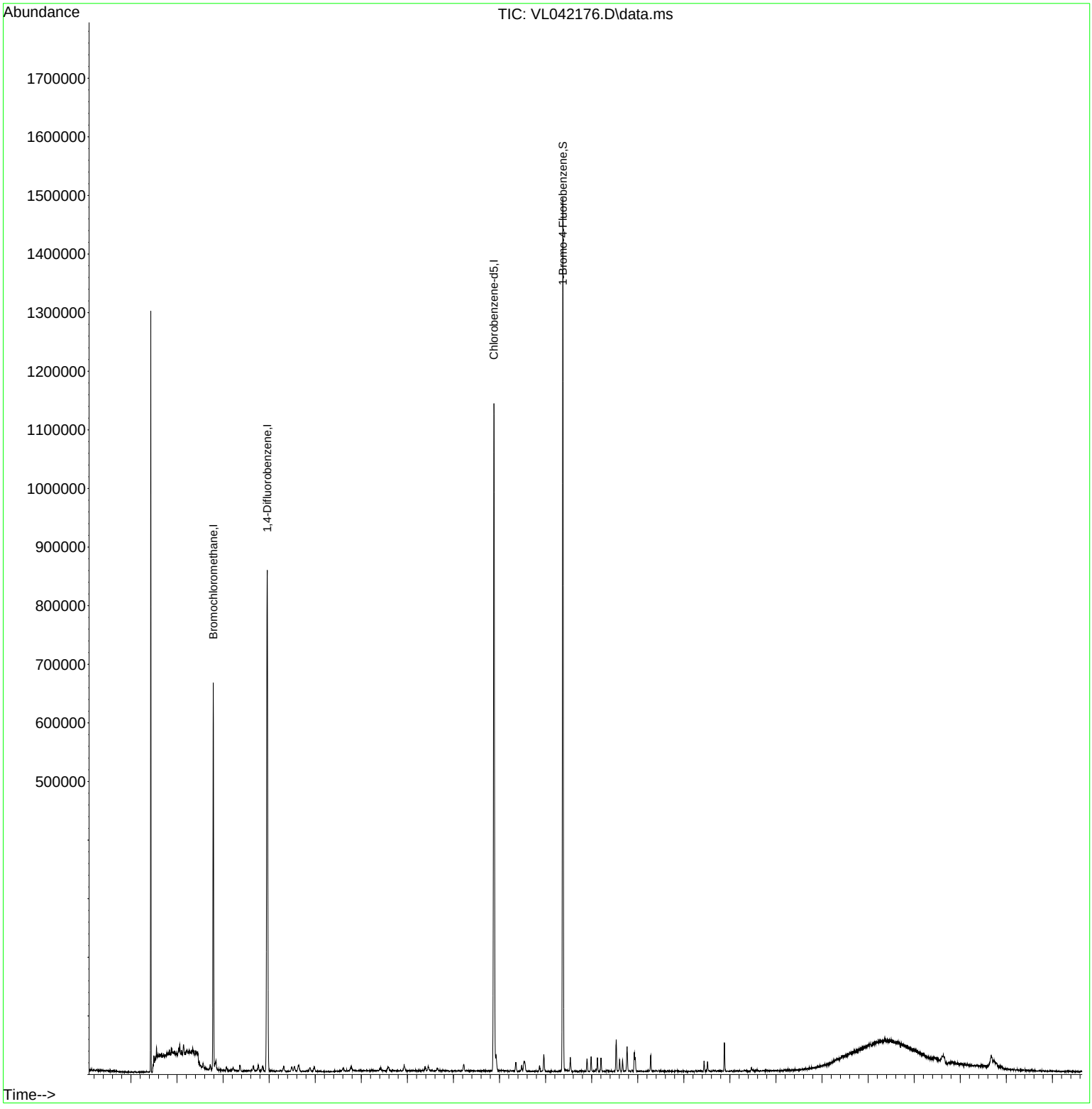
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On : 27 Mar 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:36:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	178058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	512915	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	475617	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	389935	9.983	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	471m	0.043	ppbv	
32) 1,1,1-Trichloroethane	3.366	97	1683m	0.040	ppbv	
35) Carbon Tetrachloride	3.758	117	1645m	0.042	ppbv	
38) Trichloroethene	4.541	130	712m	0.034	ppbv	
52) Tetrachloroethene	8.208	164	880m	0.044	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	1407m	0.034	ppbv	

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

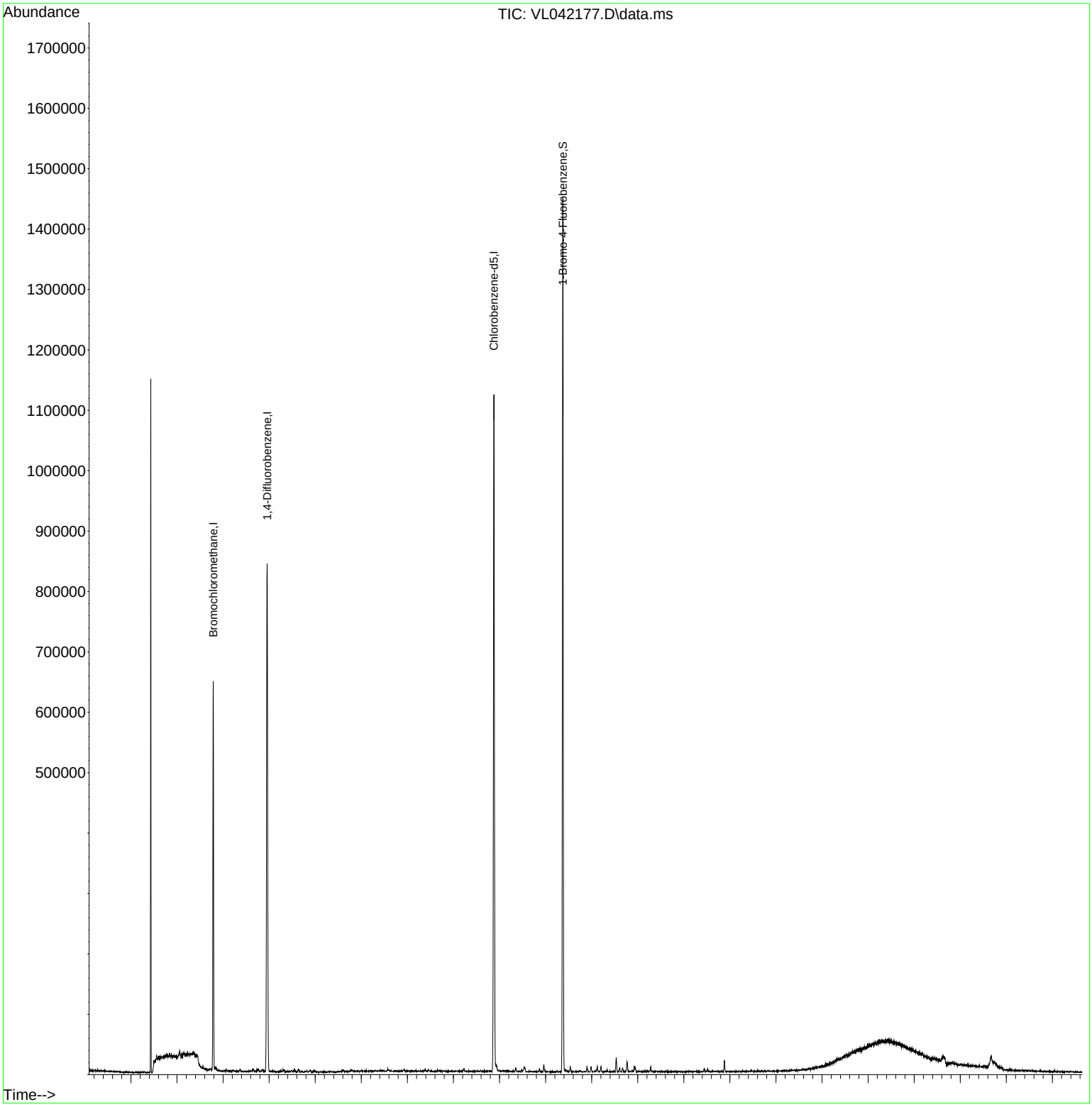
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On : 27 Mar 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:36:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	173372	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	499360	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	473077	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	387777	9.981	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	358962	14.023	ppbv		99
3) Chlorodifluoromethane	1.473	51	366164	14.002	ppbv		98
4) Chloromethane	1.531	50	148133	14.160	ppbv		98
5) Vinyl Chloride	1.576	62	141938	13.304	ppbv		97
6) Bromomethane	1.667	94	65113	13.734	ppbv		99
7) Chloroethane	1.703	64	58820	14.007	ppbv		99
8) Dichlorotetrafluoroethane	1.550	85	314834	14.442	ppbv		98
9) Propene	1.482	41	163799	13.902	ppbv		95
10) Heptane	4.972	43	446949	14.019	ppbv		99
11) Trichlorofluoromethane	1.874	101	349967	14.050	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.136	101	295217	14.419	ppbv		99
13) Ethanol	1.719	45	7382	8.001	ppbv		92
14) Bromoethene	1.780	108	106436	13.571	ppbv		98
15) Acetone	1.832	43	296254	12.218	ppbv		98
16) 1,3-Butadiene	1.605	39	150122	13.766	ppbv		100
17) tert-Butyl alcohol	2.039	59	416362	13.787	ppbv		99
18) 1,1-Dichloroethene	2.029	96	131720	13.762	ppbv		99
19) Isopropyl Alcohol	1.884	45	179117	13.093	ppbv		100
20) Methylene Chloride	2.059	84	113183	12.533	ppbv		95
21) Allyl Chloride	2.094	41	239440	14.002	ppbv		99
22) trans-1,2-Dichloroethene	2.337	96	149455	13.362	ppbv		98
23) Vinyl Acetate	2.460	43	138419	13.736	ppbv	#	96
24) 1,1-Dichloroethane	2.405	63	298760	14.570	ppbv		99
25) Ethyl Acetate	2.832	43	871882	13.855	ppbv		100
26) Hexane	2.822	57	344636	14.178	ppbv		98
27) Carbon Disulfide	2.146	76	370022	14.196	ppbv		97
28) Methyl tert-Butyl Ether	2.437	73	216463	14.303	ppbv		95
29) Chloroform	2.845	83	508614	14.297	ppbv		100
30) Cyclohexane	3.852	84	296458	14.040	ppbv		99
31) cis-1,2-Dichloroethene	2.719	61	351945	14.262	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	547329	13.448	ppbv		99
34) 2-Butanone	2.554	43	497020	13.726	ppbv		99
35) Carbon Tetrachloride	3.758	117	543385	14.140	ppbv		100
36) Benzene	3.651	78	699549	14.131	ppbv		98
37) 1,2-Dichloroethane	3.214	62	416544	14.697	ppbv		99
38) Trichloroethene	4.541	130	283430	13.715	ppbv		98
39) 1,2-Dichloropropane	4.308	63	257891	14.304	ppbv		99
40) 1,4-Dioxane	4.577	88	124925	13.354	ppbv	#	91
41) Tetrahydrofuran	3.049	42	294634	14.301	ppbv		100
42) Bromodichloromethane	4.483	83	587772	15.043	ppbv		99
43) Methyl Methacrylate	4.874	69	295300	14.130	ppbv		99
44) 2,2,4-Trimethylpentane	4.635	57	1180275	14.108	ppbv		99
45) t-1,3-Dichloropropene	6.405	75	329360	14.649	ppbv		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.593	75	400813	14.542	ppbv		98
47)	1,1,2-Trichloroethane	6.577	97	273137	14.331	ppbv		98
48)	Dibromochloromethane	7.383	129	482431	14.936	ppbv		100
49)	Bromoform	9.480	173	427143	14.730	ppbv		99
50)	4-Methyl-2-Pentanone	5.745	43	755146	13.155	ppbv		99
51)	2-Hexanone	7.431	43	619419	13.005	ppbv	#	99
52)	Tetrachloroethene	8.221	164	258356	13.159	ppbv		95
53)	Toluene	6.926	91	829648	14.137	ppbv		100
54)	1,2-Dibromoethane	7.645	107	381823	14.359	ppbv		97
56)	1,1,1,2-Tetrachloroethane	8.920	131	365410	14.032	ppbv		99
57)	Chlorobenzene	8.917	112	618201	13.777	ppbv		100
58)	Ethyl Benzene	9.351	91	1167096	13.889	ppbv		97
59)	m/p-Xylene	9.548	91	1857561m	27.651	ppbv		
60)	o-Xylene	9.962	91	913234	13.577	ppbv		99
61)	Styrene	9.865	104	474195	14.250	ppbv		99
62)	Isopropylbenzene	10.535	105	1362416	13.544	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.959	83	551386	13.491	ppbv		99
64)	n-propylbenzene	10.985	120	356118	13.753	ppbv		94
65)	tert-Butylbenzene	11.529	119	1200149	12.901	ppbv		98
66)	Benzyl Chloride	11.613	91	134397	13.615	ppbv		100
67)	sec-Butylbenzene	11.765	105	1643629	12.711	ppbv		99
69)	p-Isopropyltoluene	11.924	119	1437016	12.906	ppbv		98
70)	n-Butylbenzene	12.280	91	1477443	12.975	ppbv		99
71)	2-Chlorotoluene	10.898	91	1071432	13.724	ppbv		99
72)	4-Ethyltoluene	11.121	105	1136415	13.569	ppbv		99
73)	1,3,5-Trimethylbenzene	11.202	105	979783	13.395	ppbv		99
74)	1,2,4-Trimethylbenzene	11.535	105	1048874	12.447	ppbv		92
75)	1,3-Dichlorobenzene	11.607	146	626015	13.545	ppbv		99
76)	1,4-Dichlorobenzene	11.668	146	628694	13.668	ppbv		100
77)	1,2-Dichlorobenzene	11.947	146	602844	13.396	ppbv		100
78)	Hexachloro-1,3-Butadiene	13.882	225	556392	12.147	ppbv		99
79)	Naphthalene	13.513	128	1258479	13.653	ppbv		98
80)	Naphthalene,2-methyl-	14.455	142	718900	16.018	ppbv		98
81)	1,2,4-Trichlorobenzene	13.439	180	598416	14.075	ppbv		99

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

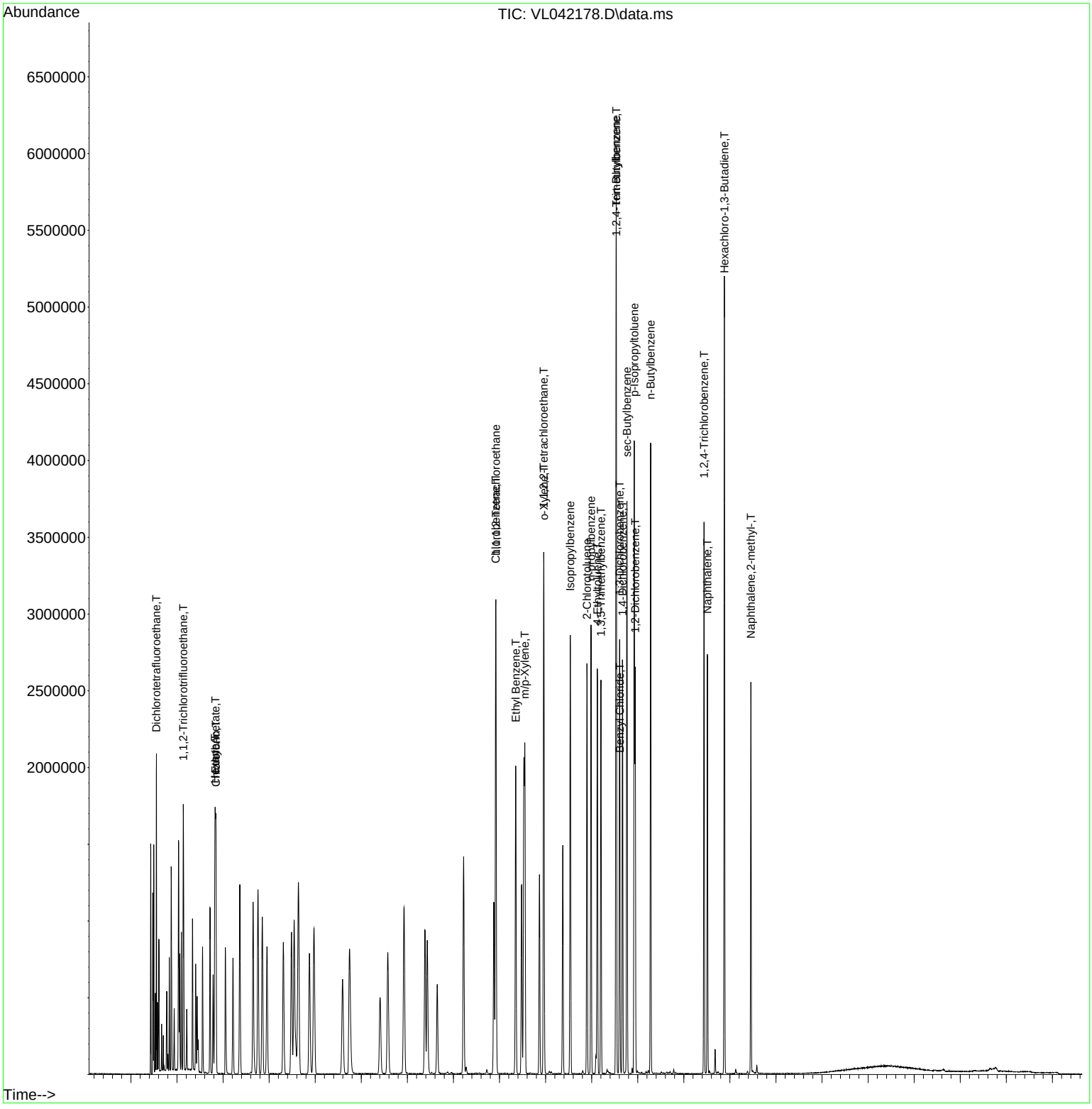
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	174350	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	498105	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	473357	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	379929	9.774	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	245714	9.545	ppbv	100
3) Chlorodifluoromethane	1.473	51	247046	9.394	ppbv	97
4) Chloromethane	1.531	50	98527	9.365	ppbv	98
5) Vinyl Chloride	1.577	62	95578	8.573	ppbv	97
6) Bromomethane	1.667	94	41950	8.799	ppbv	97
7) Chloroethane	1.703	64	37400	8.856	ppbv	94
8) Dichlorotetrafluoroethane	1.551	85	213819	9.753	ppbv	95
9) Propene	1.483	41	105338	8.739	ppbv	99
10) Heptane	4.972	43	298768	9.318	ppbv	100
11) Trichlorofluoromethane	1.874	101	236793	9.453	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	193965	9.421	ppbv	98
13) Ethanol	1.719	45	5773	5.066	ppbv	97
14) Bromoethene	1.780	108	73572	9.328	ppbv	97
15) Acetone	1.832	43	198300	8.132	ppbv	98
16) 1,3-Butadiene	1.606	39	97840	8.216	ppbv	99
17) tert-Butyl alcohol	2.039	59	276195	9.094	ppbv	99
18) 1,1-Dichloroethene	2.033	96	87137	9.053	ppbv	89
19) Isopropyl Alcohol	1.884	45	122768	8.923	ppbv	98
20) Methylene Chloride	2.059	84	72813	8.018	ppbv	97
21) Allyl Chloride	2.094	41	157418	9.154	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	101141	9.092	ppbv	93
23) Vinyl Acetate	2.460	43	90260	8.553	ppbv #	97
24) 1,1-Dichloroethane	2.405	63	197968	9.600	ppbv	99
25) Ethyl Acetate	2.832	43	592585	9.364	ppbv	99
26) Hexane	2.823	57	231125	9.455	ppbv	99
27) Carbon Disulfide	2.146	76	248834	9.493	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	146470	9.624	ppbv	95
29) Chloroform	2.845	83	344106	9.619	ppbv	100
30) Cyclohexane	3.852	84	197897	9.323	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	234487	9.449	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	365364	8.921	ppbv	99
34) 2-Butanone	2.554	43	331236	9.171	ppbv	99
35) Carbon Tetrachloride	3.758	117	363392	9.339	ppbv	98
36) Benzene	3.651	78	461261	9.341	ppbv	99
37) 1,2-Dichloroethane	3.217	62	273559	9.676	ppbv	99
38) Trichloroethene	4.541	130	191746	9.306	ppbv	97
39) 1,2-Dichloropropane	4.311	63	170839	9.500	ppbv	95
40) 1,4-Dioxane	4.577	88	80592	8.443	ppbv #	97
41) Tetrahydrofuran	3.052	42	196163	9.431	ppbv	99
42) Bromodichloromethane	4.486	83	384006	9.853	ppbv	100
43) Methyl Methacrylate	4.878	69	195339	9.344	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	787400	9.436	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	212335	9.467	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	265101	9.643	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	183228	9.638	ppbv	98
48) Dibromochloromethane	7.383	129	322766	10.018	ppbv	100
49) Bromoform	9.480	173	285149	9.858	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	500791	8.749	ppbv	99
51) 2-Hexanone	7.432	43	410889	8.741	ppbv #	99
52) Tetrachloroethene	8.221	164	173420	8.855	ppbv	93
53) Toluene	6.927	91	556897	9.514	ppbv	99
54) 1,2-Dibromoethane	7.645	107	256930	9.695	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	249270	9.567	ppbv	99
57) Chlorobenzene	8.917	112	422531	9.411	ppbv	98
58) Ethyl Benzene	9.351	91	791360	9.412	ppbv	98
59) m/p-Xylene	9.548	91	1260340m	18.772	ppbv	
60) o-Xylene	9.959	91	632918	9.404	ppbv	99
61) Styrene	9.866	104	315910	9.488	ppbv	99
62) Isopropylbenzene	10.539	105	944938	9.388	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	382635	9.357	ppbv	99
64) n-propylbenzene	10.985	120	244547	9.439	ppbv	98
65) tert-Butylbenzene	11.529	119	843828	9.065	ppbv	98
66) Benzyl Chloride	11.613	91	86804	8.789	ppbv	97
67) sec-Butylbenzene	11.765	105	1172636	9.063	ppbv	100
69) p-Isopropyltoluene	11.924	119	1019694	9.153	ppbv	100
70) n-Butylbenzene	12.280	91	1038548	9.115	ppbv	100
71) 2-Chlorotoluene	10.898	91	732874	9.382	ppbv	100
72) 4-Ethyltoluene	11.125	105	785185	9.370	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	673541	9.203	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	729155	8.648	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	426573	9.224	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	426318	9.263	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	412180	9.154	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	356386	7.776	ppbv	100
79) Naphthalene	13.513	128	773311	8.385	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	323443	7.151	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	363863	8.553	ppbv	98

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

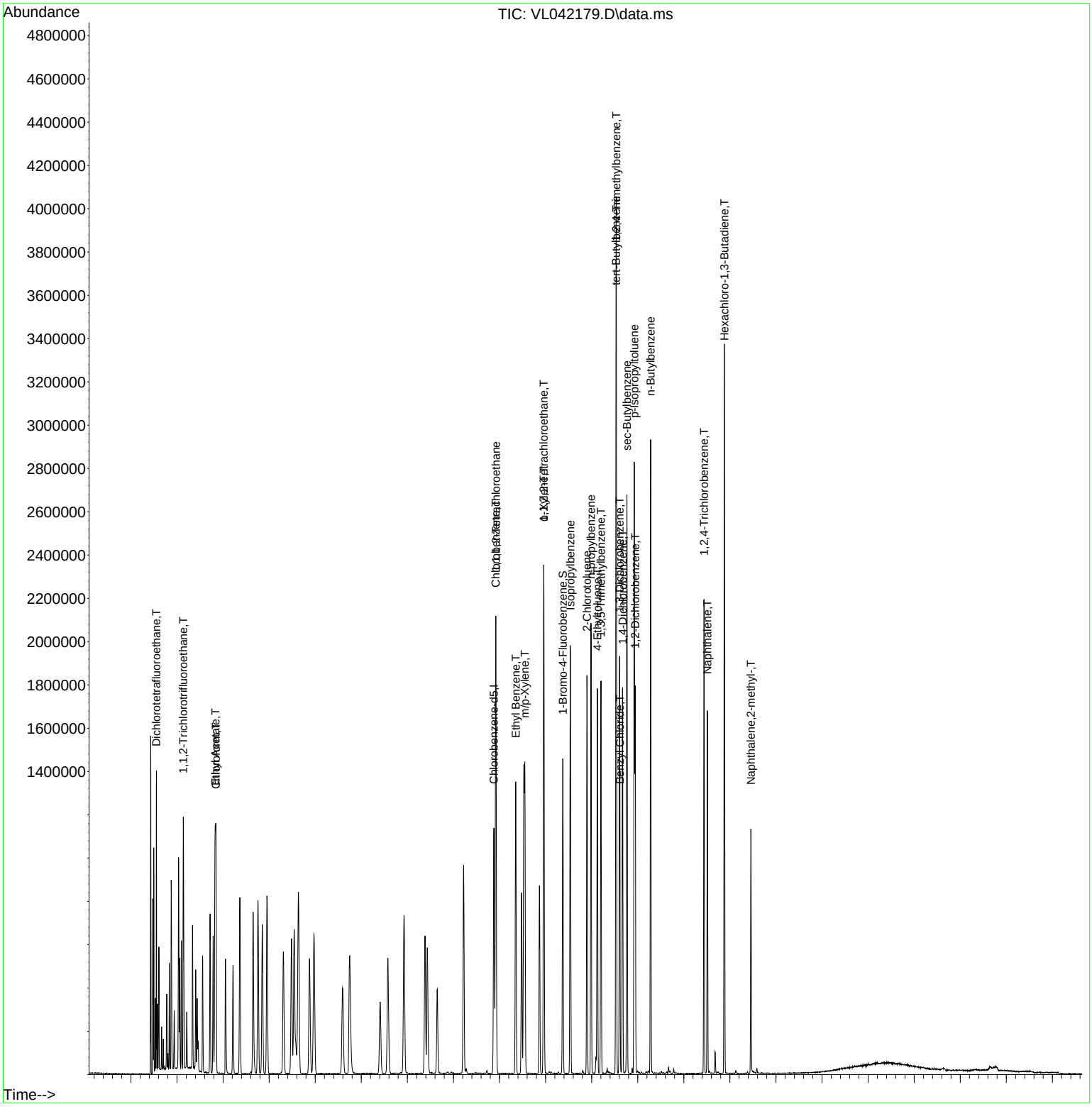
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	1.476	1.409	4.5	94	0.00
3		Chlorodifluoromethane	1.508	1.417	6.0	91	0.00
4		Chloromethane	0.603	0.565	6.3	92	0.00
5	T	Vinyl Chloride	0.639	0.548	14.2	93	0.00
6	T	Bromomethane	0.273	0.241	11.7	87	0.00
7		Chloroethane	0.242	0.215	11.2	88	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.226	2.5	94	0.00
9	T	Propene	0.691	0.604	12.6	85	0.00
10	T	Heptane	1.839	1.714	6.8	89	0.00
11	T	Trichlorofluoromethane	1.437	1.358	5.5	95	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.113	5.8	93	0.00
13		Ethanol	0.065	0.033#	49.2#	108	0.00
14	T	Bromoethene	0.452	0.422	6.6	94	0.00
15	T	Acetone	1.399	1.137	18.7	95	0.00
16	T	1,3-Butadiene	0.683	0.561	17.9	91	0.00
17		tert-Butyl alcohol	1.742	1.584	9.1	91	0.00
18	T	1,1-Dichloroethene	0.552	0.500	9.4	92	0.00
19	T	Isopropyl Alcohol	0.789	0.704	10.8	93	0.00
20	T	Methylene Chloride	0.521	0.418	19.8	89	0.00
21	T	Allyl Chloride	0.986	0.903	8.4	93	0.00
22	T	trans-1,2-Dichloroethene	0.638	0.580	9.1	92	0.00
23	T	Vinyl Acetate	0.605	0.518	14.4	97	0.00
24	T	1,1-Dichloroethane	1.183	1.135	4.1	94	0.00
25	T	Ethyl Acetate	3.630	3.399	6.4	92	0.00
26	T	Hexane	1.402	1.326	5.4	93	0.00
27	T	Carbon Disulfide	1.503	1.427	5.1	93	0.00
28	T	Methyl tert-Butyl Ether	0.873	0.840	3.8	94	0.00
29	T	Chloroform	2.052	1.974	3.8	95	0.00
30	T	Cyclohexane	1.217	1.135	6.7	91	0.00
31	T	cis-1,2-Dichloroethene	1.423	1.345	5.5	91	0.00
32	T	1,1,1-Trichloroethane	2.349	2.096	10.8	95	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.725	0.665	8.3	91	0.00
35	T	Carbon Tetrachloride	0.781	0.730	6.5	95	0.00
36	T	Benzene	0.991	0.926	6.6	91	0.00
37	T	1,2-Dichloroethane	0.568	0.549	3.3	93	0.00
38	T	Trichloroethene	0.414	0.385	7.0	94	0.00
39	T	1,2-Dichloropropane	0.361	0.343	5.0	93	0.00
40	T	1,4-Dioxane	0.192	0.162	15.6	87	0.00
41	T	Tetrahydrofuran	0.418	0.394	5.7	90	0.00
42	T	Bromodichloromethane	0.782	0.771	1.4	92	0.00
43		Methyl Methacrylate	0.420	0.392	6.7	89	0.00
44	T	2,2,4-Trimethylpentane	1.675	1.581	5.6	90	0.00
45	T	t-1,3-Dichloropropene	0.450	0.426	5.3	89	0.00
46	T	cis-1,3-Dichloropropene	0.552	0.532	3.6	88	0.00
47	T	1,1,2-Trichloroethane	0.382	0.368	3.7	92	0.00
48	T	Dibromochloromethane	0.647	0.648	-0.2	93	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.581	0.572	1.5	90	0.00
50	T	4-Methyl-2-Pentanone	1.149	1.005	12.5	89	0.00
51	T	2-Hexanone	0.944	0.825	12.6	89	0.00
52	T	Tetrachloroethene	0.393	0.348	11.5	93	0.00
53	T	Toluene	1.175	1.118	4.9	91	0.00
54	T	1,2-Dibromoethane	0.532	0.516	3.0	93	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
56		1,1,1,2-Tetrachloroethane	0.550	0.527	4.2	94	0.00
57	T	Chlorobenzene	0.949	0.893	5.9	93	0.00
58	T	Ethyl Benzene	1.776	1.672	5.9	91	0.00
59	T	m/p-Xylene	1.418	1.331	6.1	92	0.00
60	T	o-Xylene	1.422	1.337	6.0	92	0.00
61	T	Styrene	0.703	0.667	5.1	89	0.00
62		Isopropylbenzene	2.126	1.996	6.1	93	0.00
63	T	1,1,2,2-Tetrachloroethane	0.864	0.808	6.5	93	0.00
64		n-propylbenzene	0.547	0.517	5.5	94	0.00
65		tert-Butylbenzene	1.966	1.783	9.3	94	0.00
66	T	Benzyl Chloride	0.209	0.183	12.4	82	0.00
67		sec-Butylbenzene	2.733	2.477	9.4	94	0.00
68	S	1-Bromo-4-Fluorobenzene	0.821	0.803	2.2	90	0.00
69		p-Isopropyltoluene	2.354	2.154	8.5	94	0.00
70		n-Butylbenzene	2.407	2.194	8.8	94	0.00
71		2-Chlorotoluene	1.650	1.548	6.2	92	0.00
72	T	4-Ethyltoluene	1.770	1.659	6.3	93	0.00
73	T	1,3,5-Trimethylbenzene	1.546	1.423	8.0	93	0.00
74	T	1,2,4-Trimethylbenzene	1.781	1.540	13.5	93	0.00
75	T	1,3-Dichlorobenzene	0.977	0.901	7.8	93	0.00
76	T	1,4-Dichlorobenzene	0.972	0.901	7.3	92	0.00
77	T	1,2-Dichlorobenzene	0.951	0.871	8.4	93	0.00
78	T	Hexachloro-1,3-Butadiene	0.968	0.753	22.2	86	0.00
79	T	Naphthalene	1.948	1.634	16.1	82	0.00
80	T	Naphthalene,2-methyl-	0.955	0.683	28.5	63	0.00
81	T	1,2,4-Trichlorobenzene	0.899	0.769	14.5	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

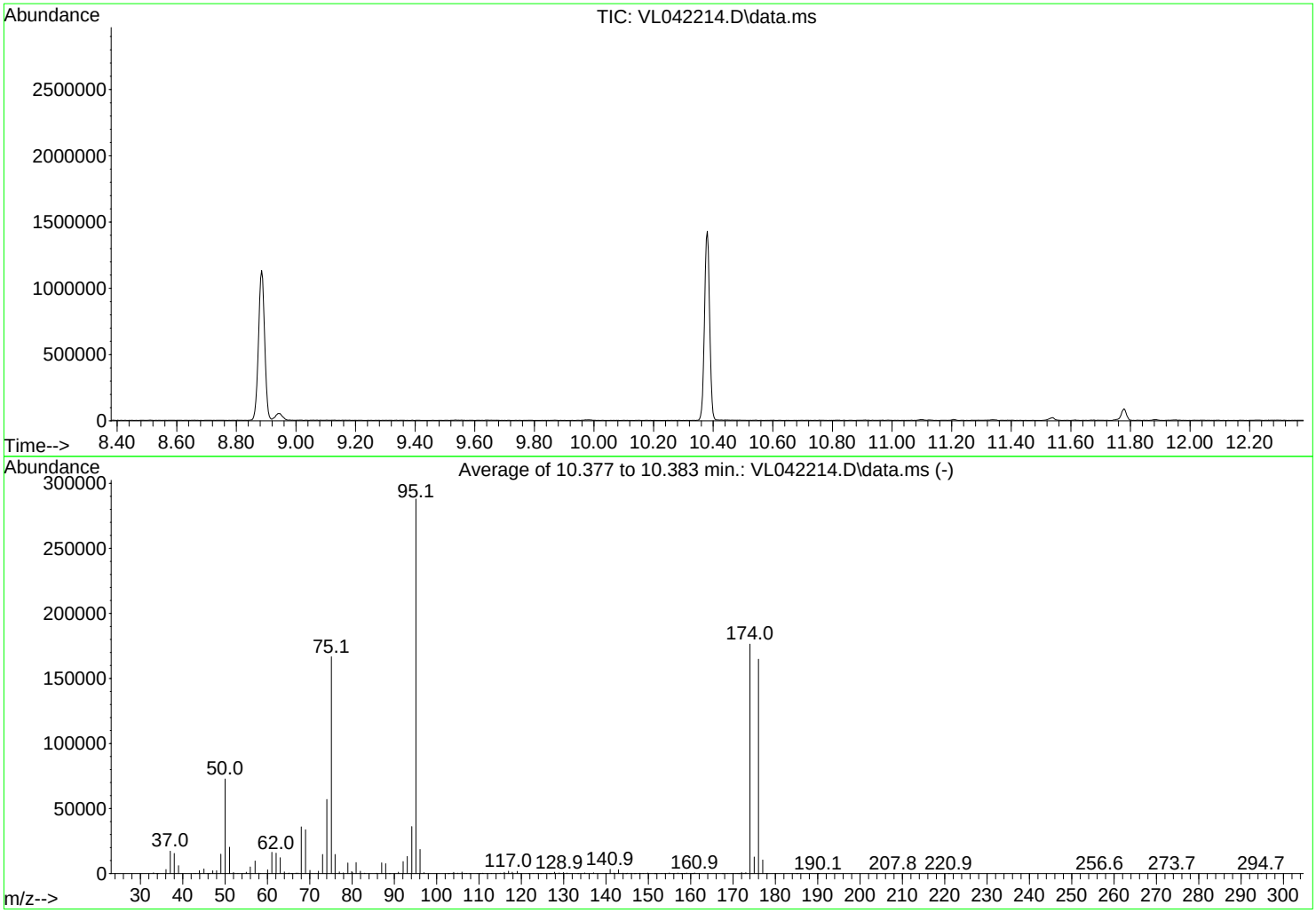
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042214.D
Acq On : 04 Apr 2025 08:05
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.3	72739	PASS
75	95	30	66	57.9	166656	PASS
95	95	100	100	100.0	287979	PASS
96	95	5	9	6.5	18594	PASS
173	174	0.00	2	0.4	773	PASS
174	95	50	120	61.2	176384	PASS
175	174	4	9	7.3	12832	PASS
176	174	93	101	93.5	164907	PASS
177	176	5	9	6.4	10500	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042215.D
Acq On : 04 Apr 2025 08:58
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 01:58:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	187369	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	519347	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	464975	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	383840	10.052	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	263276	9.517	ppbv	99
3) Chlorodifluoromethane	1.476	51	264623	9.363	ppbv	96
4) Chloromethane	1.534	50	104117	9.209	ppbv	96
5) Vinyl Chloride	1.580	62	98352	8.209	ppbv	97
6) Bromomethane	1.667	94	44500	8.685	ppbv	97
7) Chloroethane	1.706	64	39804	8.771	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	227648	9.663	ppbv	93
9) Propene	1.486	41	101955	7.871	ppbv	99
10) Heptane	4.988	43	290775	8.439	ppbv	99
11) Trichlorofluoromethane	1.877	101	256266	9.520	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	195280	8.826	ppbv	97
13) Ethanol	1.722	45	5295	4.324	ppbv	99
14) Bromoethene	1.783	108	72355	8.536	ppbv	98
15) Acetone	1.835	43	219621	8.381	ppbv	96
16) 1,3-Butadiene	1.609	39	106868	8.351	ppbv	98
17) tert-Butyl alcohol	2.042	59	264585	8.107	ppbv	100
18) 1,1-Dichloroethene	2.036	96	87932	8.501	ppbv	95
19) Isopropyl Alcohol	1.887	45	123909	8.381	ppbv	98
20) Methylene Chloride	2.062	84	76274	7.815	ppbv	94
21) Allyl Chloride	2.097	41	158103	8.555	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	97729	8.175	ppbv	96
23) Vinyl Acetate	2.463	43	81872	7.219	ppbv	99
24) 1,1-Dichloroethane	2.411	63	199075	8.983	ppbv	99
25) Ethyl Acetate	2.839	43	602732	8.862	ppbv	99
26) Hexane	2.829	57	231730	8.821	ppbv	99
27) Carbon Disulfide	2.152	76	244246	8.670	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	131136	8.018	ppbv	97
29) Chloroform	2.852	83	378649	9.849	ppbv	99
30) Cyclohexane	3.861	84	196271	8.604	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	243455	9.129	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	401472	9.121	ppbv	98
34) 2-Butanone	2.560	43	347241	9.221	ppbv	100
35) Carbon Tetrachloride	3.764	117	412365	10.164	ppbv	97
36) Benzene	3.661	78	467443	9.079	ppbv	97
37) 1,2-Dichloroethane	3.221	62	307037	10.416	ppbv	97
38) Trichloroethene	4.554	130	199451	9.284	ppbv	98
39) 1,2-Dichloropropane	4.318	63	170450	9.090	ppbv	91
40) 1,4-Dioxane	4.590	88	81209	8.160	ppbv #	93
41) Tetrahydrofuran	3.059	42	189995	8.761	ppbv	98
42) Bromodichloromethane	4.496	83	416628	10.252	ppbv	98
43) Methyl Methacrylate	4.884	69	184838	8.480	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	789050	9.069	ppbv	97
45) t-1,3-Dichloropropene	6.422	75	196583	8.407	ppbv	95

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042215.D
Acq On : 04 Apr 2025 08:58
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 01:58:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	248725	8.677	ppbv		98
47) 1,1,2-Trichloroethane	6.590	97	188954	9.533	ppbv		96
48) Dibromochloromethane	7.396	129	338657	10.081	ppbv		100
49) Bromoform	9.490	173	291660	9.671	ppbv		100
50) 4-Methyl-2-Pentanone	5.761	43	485587	8.136	ppbv		98
51) 2-Hexanone	7.448	43	393233	8.024	ppbv	#	96
52) Tetrachloroethene	8.231	164	170524	8.351	ppbv		94
53) Toluene	6.939	91	548226	8.982	ppbv		99
54) 1,2-Dibromoethane	7.661	107	262312	9.493	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.930	131	265488	10.373	ppbv		97
57) Chlorobenzene	8.927	112	435637	9.878	ppbv		97
58) Ethyl Benzene	9.360	91	787508	9.535	ppbv		100
59) m/p-Xylene	9.558	91	1320455m	20.022	ppbv		
60) o-Xylene	9.969	91	648429	9.808	ppbv		96
61) Styrene	9.875	104	307359	9.397	ppbv		99
62) Isopropylbenzene	10.545	105	991027	10.024	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.969	83	404850	10.079	ppbv		100
64) n-propylbenzene	10.995	120	263771	10.364	ppbv		96
65) tert-Butylbenzene	11.535	119	904984	9.898	ppbv		98
66) Benzyl Chloride	11.620	91	71677	7.388	ppbv		97
67) sec-Butylbenzene	11.772	105	1272047	10.009	ppbv		99
69) p-Isopropyltoluene	11.930	119	1096744	10.022	ppbv		99
70) n-Butylbenzene	12.283	91	1129301	10.090	ppbv		99
71) 2-Chlorotoluene	10.908	91	769367	10.027	ppbv		100
72) 4-Ethyltoluene	11.131	105	835598	10.151	ppbv		100
73) 1,3,5-Trimethylbenzene	11.209	105	724375	10.076	ppbv		98
74) 1,2,4-Trimethylbenzene	11.542	105	804419	9.712	ppbv		96
75) 1,3-Dichlorobenzene	11.613	146	469384	10.333	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	467820	10.348	ppbv		100
77) 1,2-Dichlorobenzene	11.950	146	460424	10.410	ppbv		99
78) Hexachloro-1,3-Butadiene	13.885	225	386022	8.574	ppbv		100
79) Naphthalene	13.516	128	931920	10.287	ppbv		99
80) Naphthalene,2-methyl-	14.461	142	470633	10.593	ppbv		99
81) 1,2,4-Trichlorobenzene	13.445	180	416845	9.975	ppbv		100

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

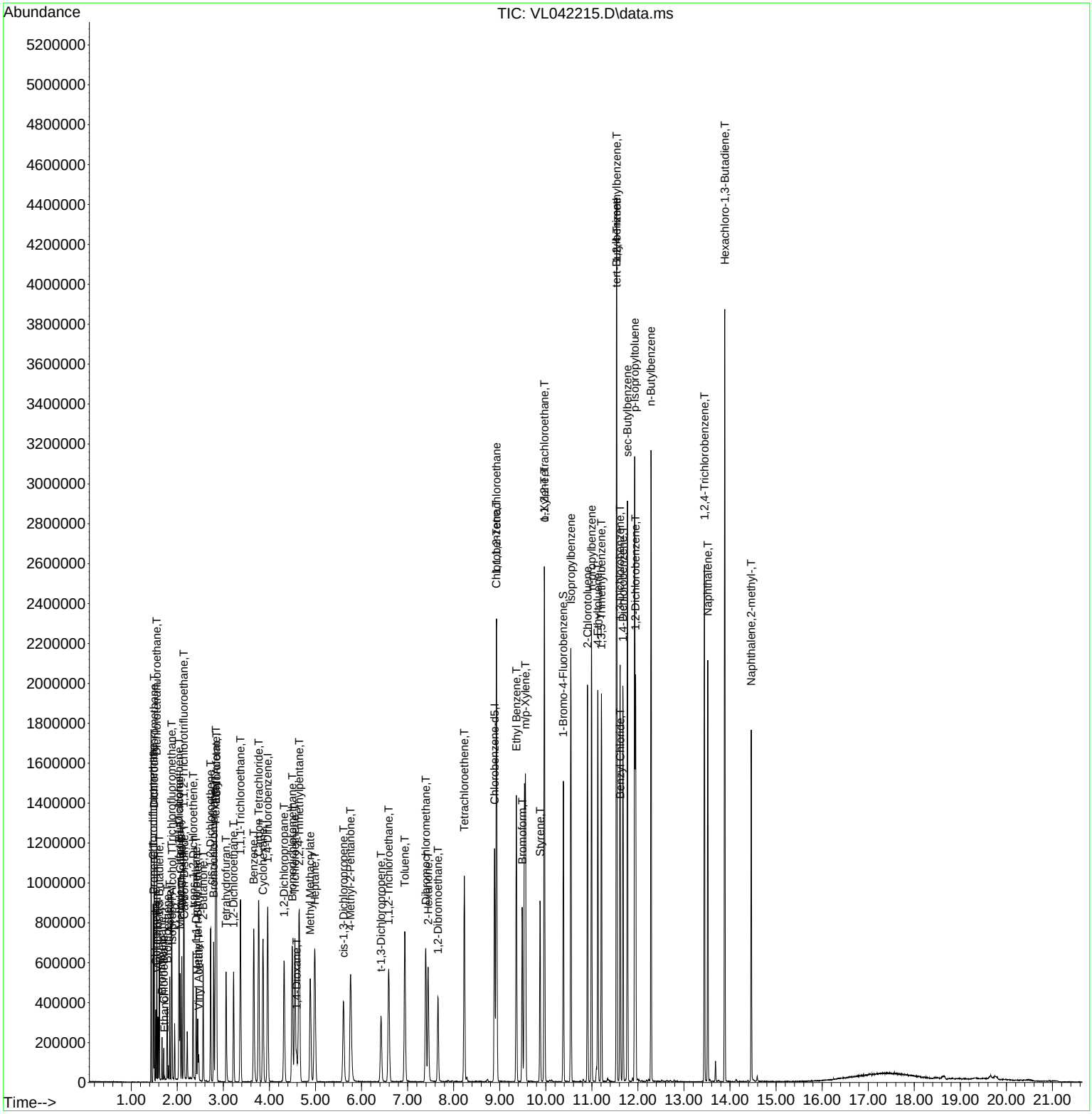
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042215.D
Acq On : 04 Apr 2025 08:58
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 01:58:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042215.D
Acq On : 04 Apr 2025 08:58
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 05 01:58:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	1.476	1.405	4.8	100	0.00
3		Chlorodifluoromethane	1.508	1.412	6.4	97	0.00
4		Chloromethane	0.603	0.556	7.8	97	0.00
5	T	Vinyl Chloride	0.639	0.525	17.8	96	0.00
6	T	Bromomethane	0.273	0.237	13.2	93	0.00
7		Chloroethane	0.242	0.212	12.4	94	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.215	3.3	100	0.00
9	T	Propene	0.691	0.544	21.3	83	0.00
10	T	Heptane	1.839	1.552	15.6	87	0.02
11	T	Trichlorofluoromethane	1.437	1.368	4.8	102	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.042	11.8	93	0.00
13		Ethanol	0.065	0.028#	56.9#	99	0.00
14	T	Bromoethene	0.452	0.386	14.6	93	0.00
15	T	Acetone	1.399	1.172	16.2	106	0.00
16	T	1,3-Butadiene	0.683	0.570	16.5	100	0.00
17		tert-Butyl alcohol	1.742	1.412	18.9	87	0.00
18	T	1,1-Dichloroethene	0.552	0.469	15.0	93	0.00
19	T	Isopropyl Alcohol	0.789	0.661	16.2	94	0.00
20	T	Methylene Chloride	0.521	0.407	21.9	93	0.00
21	T	Allyl Chloride	0.986	0.844	14.4	94	0.00
22	T	trans-1,2-Dichloroethene	0.638	0.522	18.2	89	0.00
23	T	Vinyl Acetate	0.605	0.437	27.8	88	0.00
24	T	1,1-Dichloroethane	1.183	1.062	10.2	95	0.00
25	T	Ethyl Acetate	3.630	3.217	11.4	93	0.00
26	T	Hexane	1.402	1.237	11.8	93	0.00
27	T	Carbon Disulfide	1.503	1.304	13.2	91	0.00
28	T	Methyl tert-Butyl Ether	0.873	0.700	19.8	84	0.00
29	T	Chloroform	2.052	2.021	1.5	105	0.00
30	T	Cyclohexane	1.217	1.048	13.9	90	0.00
31	T	cis-1,2-Dichloroethene	1.423	1.299	8.7	95	0.00
32	T	1,1,1-Trichloroethane	2.349	2.143	8.8	104	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
34	T	2-Butanone	0.725	0.669	7.7	95	0.00
35	T	Carbon Tetrachloride	0.781	0.794	-1.7	108	0.00
36	T	Benzene	0.991	0.900	9.2	92	0.00
37	T	1,2-Dichloroethane	0.568	0.591	-4.0	105	0.00
38	T	Trichloroethene	0.414	0.384	7.2	98	0.00
39	T	1,2-Dichloropropane	0.361	0.328	9.1	93	0.00
40	T	1,4-Dioxane	0.192	0.156	18.8	88	0.01
41	T	Tetrahydrofuran	0.418	0.366	12.4	88	0.00
42	T	Bromodichloromethane	0.782	0.802	-2.6	99	0.01
43		Methyl Methacrylate	0.420	0.356	15.2	84	0.01
44	T	2,2,4-Trimethylpentane	1.675	1.519	9.3	90	0.01
45	T	t-1,3-Dichloropropene	0.450	0.379	15.8	82	0.02
46	T	cis-1,3-Dichloropropene	0.552	0.479	13.2	83	0.02
47	T	1,1,2-Trichloroethane	0.382	0.364	4.7	95	0.02
48	T	Dibromochloromethane	0.647	0.652	-0.8	98	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042215.D
Acq On : 04 Apr 2025 08:58
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 05 01:58:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.581	0.562	3.3	92	0.01
50	T	4-Methyl-2-Pentanone	1.149	0.935	18.6	87	0.02
51	T	2-Hexanone	0.944	0.757	19.8	85	0.02
52	T	Tetrachloroethene	0.393	0.328	16.5	91	0.01
53	T	Toluene	1.175	1.056	10.1	89	0.01
54	T	1,2-Dibromoethane	0.532	0.505	5.1	95	0.01
55	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.01
56		1,1,1,2-Tetrachloroethane	0.550	0.571	-3.8	100	0.01
57	T	Chlorobenzene	0.949	0.937	1.3	96	0.00
58	T	Ethyl Benzene	1.776	1.694	4.6	91	0.00
59	T	m/p-Xylene	1.418	1.420	-0.1	96	0.00
60	T	o-Xylene	1.422	1.395	1.9	94	0.00
61	T	Styrene	0.703	0.661	6.0	87	0.00
62		Isopropylbenzene	2.126	2.131	-0.2	97	0.00
63	T	1,1,2,2-Tetrachloroethane	0.864	0.871	-0.8	98	0.00
64		n-propylbenzene	0.547	0.567	-3.7	102	0.00
65		tert-Butylbenzene	1.966	1.946	1.0	100	0.00
66	T	Benzyl Chloride	0.209	0.154	26.3	68	0.00
67		sec-Butylbenzene	2.733	2.736	-0.1	102	0.00
68	S	1-Bromo-4-Fluorobenzene	0.821	0.826	-0.6	91	0.00
69		p-Isopropyltoluene	2.354	2.359	-0.2	102	0.00
70		n-Butylbenzene	2.407	2.429	-0.9	102	0.00
71		2-Chlorotoluene	1.650	1.655	-0.3	96	0.00
72	T	4-Ethyltoluene	1.770	1.797	-1.5	99	0.00
73	T	1,3,5-Trimethylbenzene	1.546	1.558	-0.8	101	0.00
74	T	1,2,4-Trimethylbenzene	1.781	1.730	2.9	103	0.00
75	T	1,3-Dichlorobenzene	0.977	1.009	-3.3	102	0.00
76	T	1,4-Dichlorobenzene	0.972	1.006	-3.5	101	0.00
77	T	1,2-Dichlorobenzene	0.951	0.990	-4.1	104	0.00
78	T	Hexachloro-1,3-Butadiene	0.968	0.830	14.3	93	0.00
79	T	Naphthalene	1.948	2.004	-2.9	99	0.00
80	T	Naphthalene,2-methyl-	0.955	1.012	-6.0	91	0.00
81	T	1,2,4-Trichlorobenzene	0.899	0.896	0.3	93	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\VL040425\
Data File : VL042216.D
Acq On : 04 Apr 2025 09:41
Operator : SY/MD
Sample : VL0404ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABL01

Quant Time: Apr 05 01:59:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

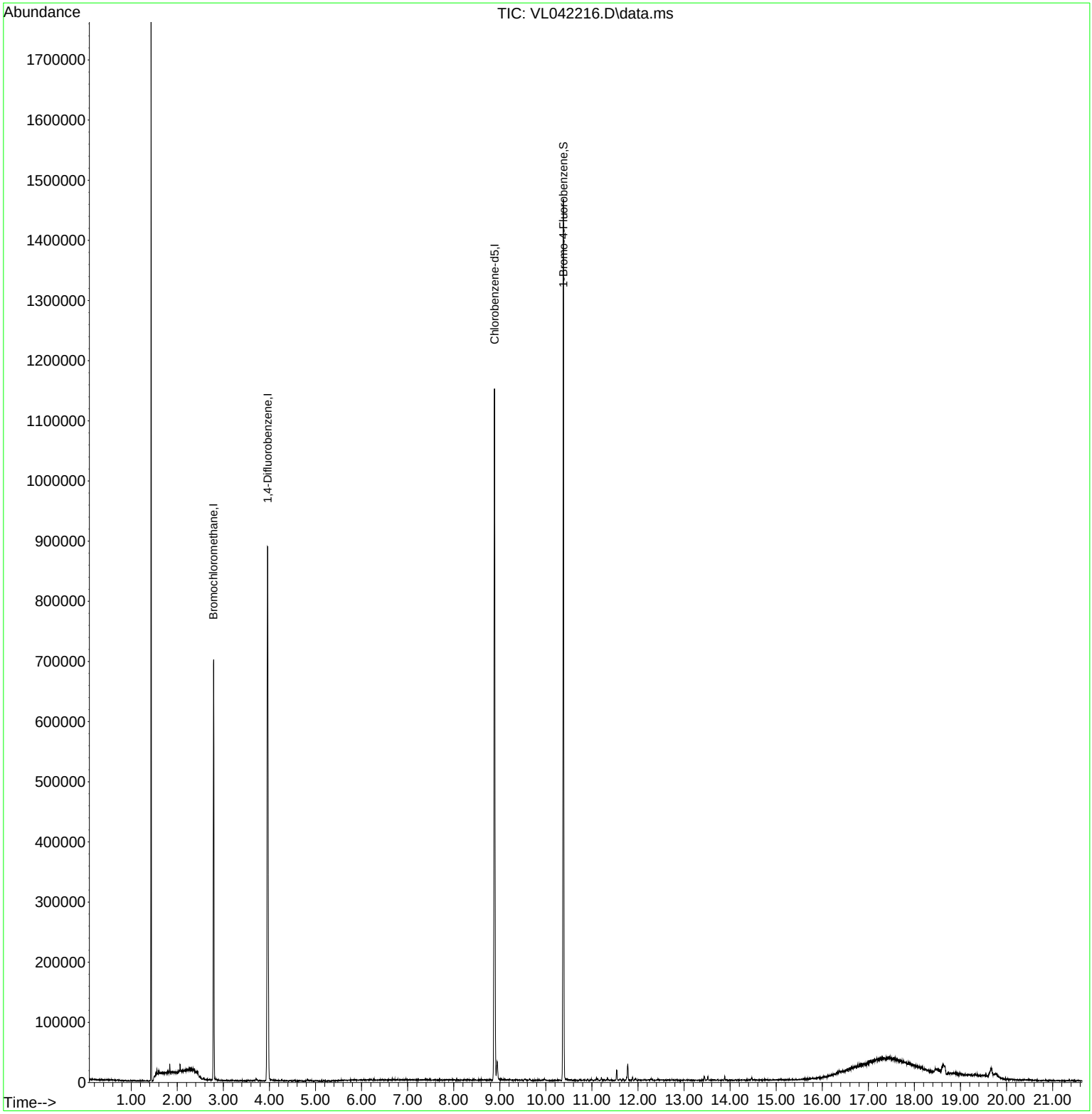
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	191004	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	523611	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	464191	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	364475	9.561	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.600%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042216.D
Acq On : 04 Apr 2025 09:41
Operator : SY/MD
Sample : VL0404ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABL01

Quant Time: Apr 05 01:59:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042219.D
Acq On : 04 Apr 2025 11:16
Operator : SY/MD
Sample : QC040325 CAN 10300
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10300

Quant Time: Apr 05 02:00:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

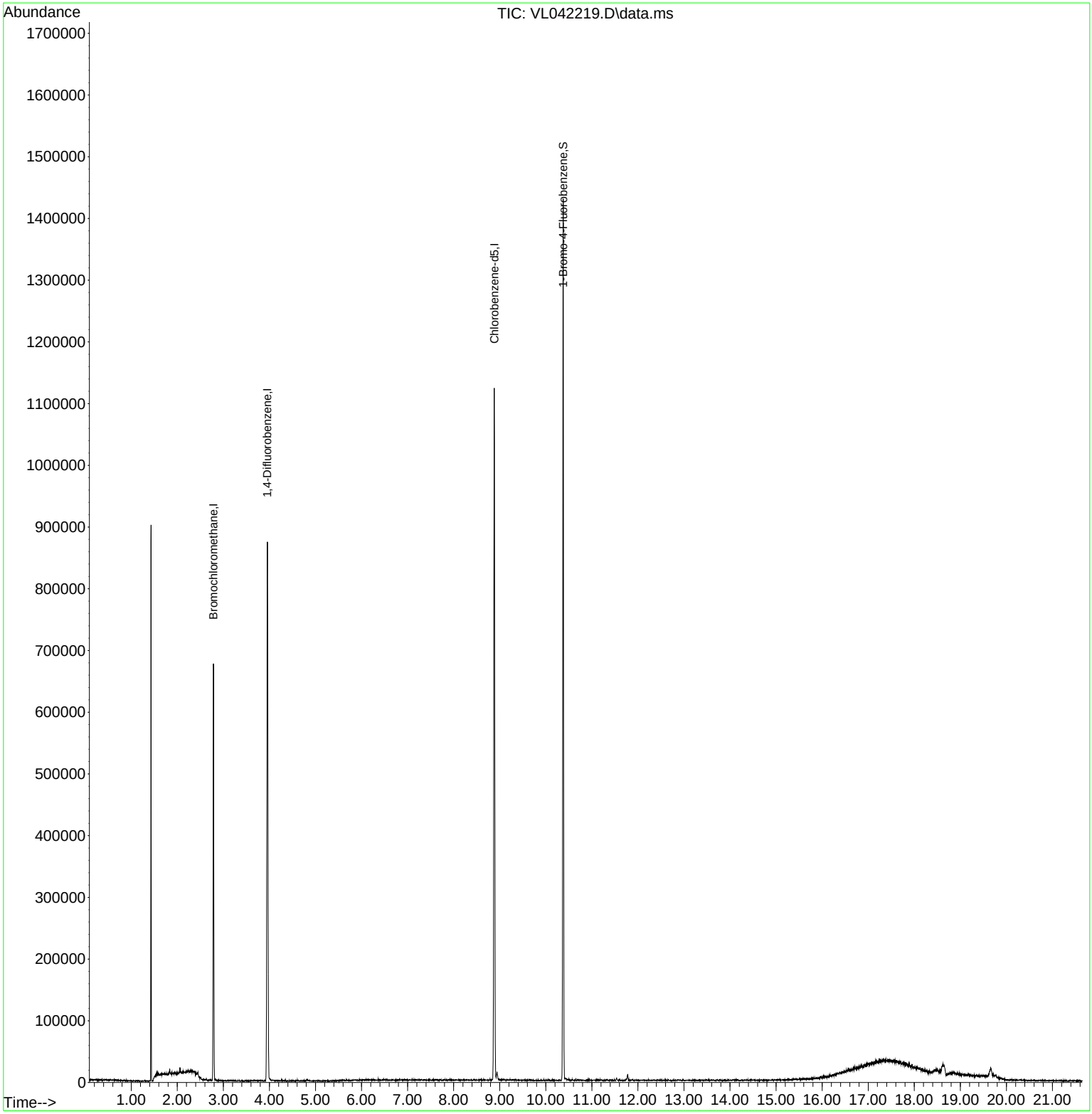
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	181629	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	492050	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	439540	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	344682	9.549	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042219.D
Acq On : 04 Apr 2025 11:16
Operator : SY/MD
Sample : QC040325 CAN 10300
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040325 CAN 10300

Quant Time: Apr 05 02:00:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042220.D
Acq On : 04 Apr 2025 11:55
Operator : SY/MD
Sample : VL0404ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 02:01:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	185704	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	509064	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	456962	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	384044	10.234	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	269944	9.845	ppbv	99
3) Chlorodifluoromethane	1.476	51	261247	9.327	ppbv	97
4) Chloromethane	1.535	50	100977	9.011	ppbv	97
5) Vinyl Chloride	1.580	62	97885	8.243	ppbv	97
6) Bromomethane	1.667	94	43311	8.529	ppbv	96
7) Chloroethane	1.706	64	38925	8.654	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	226404	9.696	ppbv	94
9) Propene	1.486	41	98481	7.671	ppbv	98
10) Heptane	4.982	43	290990	8.521	ppbv	99
11) Trichlorofluoromethane	1.878	101	258888	9.704	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	195978	8.937	ppbv	95
13) Ethanol	1.722	45	5793	4.773	ppbv	91
14) Bromoethene	1.784	108	72245	8.600	ppbv	98
15) Acetone	1.836	43	218906	8.429	ppbv	95
16) 1,3-Butadiene	1.609	39	109321	8.619	ppbv	96
17) tert-Butyl alcohol	2.043	59	268750	8.308	ppbv	99
18) 1,1-Dichloroethene	2.036	96	90266	8.805	ppbv	96
19) Isopropyl Alcohol	1.887	45	124365	8.487	ppbv	99
20) Methylene Chloride	2.062	84	75950	7.852	ppbv	96
21) Allyl Chloride	2.098	41	157041	8.574	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	103089	8.700	ppbv	98
23) Vinyl Acetate	2.464	43	85276	7.586	ppbv	97
24) 1,1-Dichloroethane	2.412	63	207336	9.440	ppbv	99
25) Ethyl Acetate	2.839	43	605091	8.977	ppbv	99
26) Hexane	2.829	57	230193	8.841	ppbv	98
27) Carbon Disulfide	2.153	76	237628	8.511	ppbv #	94
28) Methyl tert-Butyl Ether	2.444	73	137912	8.508	ppbv	95
29) Chloroform	2.852	83	384364	10.087	ppbv	99
30) Cyclohexane	3.862	84	192377	8.509	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	237721	8.993	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	396331	9.085	ppbv	99
34) 2-Butanone	2.561	43	339503	9.197	ppbv	98
35) Carbon Tetrachloride	3.768	117	410967	10.334	ppbv	96
36) Benzene	3.661	78	464642	9.207	ppbv	99
37) 1,2-Dichloroethane	3.221	62	306471	10.607	ppbv	98
38) Trichloroethene	4.554	130	190707	9.057	ppbv	96
39) 1,2-Dichloropropane	4.321	63	166615	9.065	ppbv	91
40) 1,4-Dioxane	4.587	88	85279	8.742	ppbv #	95
41) Tetrahydrofuran	3.059	42	186669	8.782	ppbv	99
42) Bromodichloromethane	4.496	83	417630	10.485	ppbv	96
43) Methyl Methacrylate	4.888	69	183270	8.578	ppbv	100
44) 2,2,4-Trimethylpentane	4.645	57	792460	9.292	ppbv	97
45) t-1,3-Dichloropropene	6.422	75	187871	8.196	ppbv	93

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042220.D
Acq On : 04 Apr 2025 11:55
Operator : SY/MD
Sample : VL0404ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 02:01:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	235408	8.378	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	192846	9.926	ppbv	96
48) Dibromochloromethane	7.396	129	334902	10.171	ppbv	99
49) Bromoform	9.490	173	293331	9.923	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	493794	8.441	ppbv	96
51) 2-Hexanone	7.445	43	393716	8.196	ppbv #	95
52) Tetrachloroethene	8.231	164	170397	8.514	ppbv	94
53) Toluene	6.940	91	540865	9.041	ppbv	99
54) 1,2-Dibromoethane	7.658	107	265033	9.786	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.930	131	269744	10.724	ppbv	99
57) Chlorobenzene	8.927	112	437108	10.085	ppbv	97
58) Ethyl Benzene	9.361	91	791626	9.753	ppbv	99
59) m/p-Xylene	9.539	91	1322210m	20.400	ppbv	
60) o-Xylene	9.969	91	665062	10.236	ppbv	98
61) Styrene	9.875	104	304392	9.470	ppbv	99
62) Isopropylbenzene	10.545	105	1008886	10.383	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	422180	10.694	ppbv	99
64) n-propylbenzene	10.995	120	263691	10.543	ppbv	99
65) tert-Butylbenzene	11.536	119	921281	10.252	ppbv	98
66) Benzyl Chloride	11.620	91	65520	6.872	ppbv	99
67) sec-Butylbenzene	11.772	105	1296409	10.379	ppbv	99
69) p-Isopropyltoluene	11.931	119	1119576	10.410	ppbv	100
70) n-Butylbenzene	12.287	91	1149751	10.453	ppbv	99
71) 2-Chlorotoluene	10.908	91	777635	10.312	ppbv	100
72) 4-Ethyltoluene	11.128	105	850373	10.511	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	737397	10.437	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	816996	10.037	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	475804	10.658	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	473366	10.654	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	470868	10.833	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	366515	8.284	ppbv	99
79) Naphthalene	13.517	128	842258	9.460	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	310504	7.112	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	377618	9.195	ppbv	99

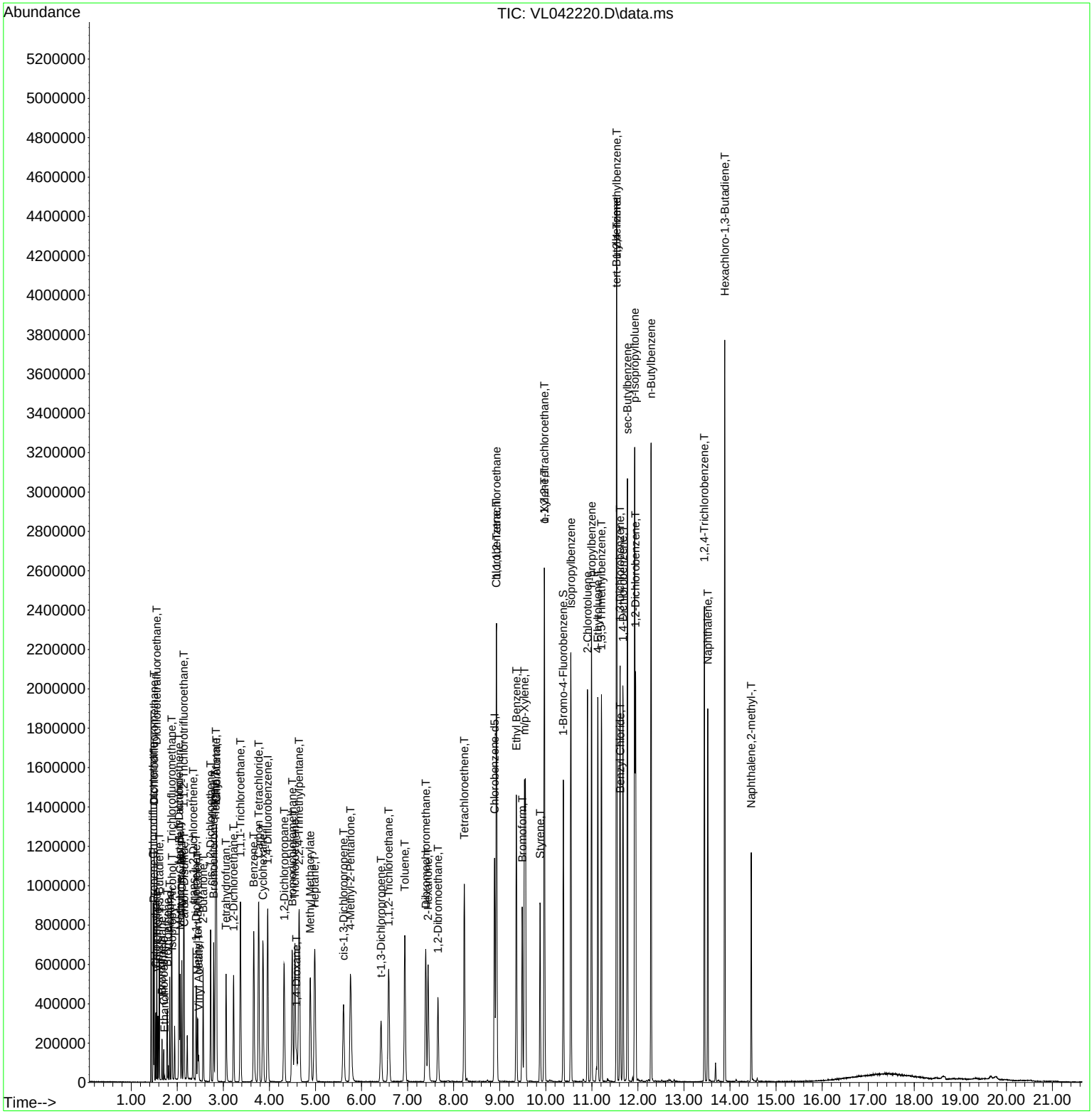
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
Data File : VL042220.D
Acq On : 04 Apr 2025 11:55
Operator : SY/MD
Sample : VL0404ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 02:01:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



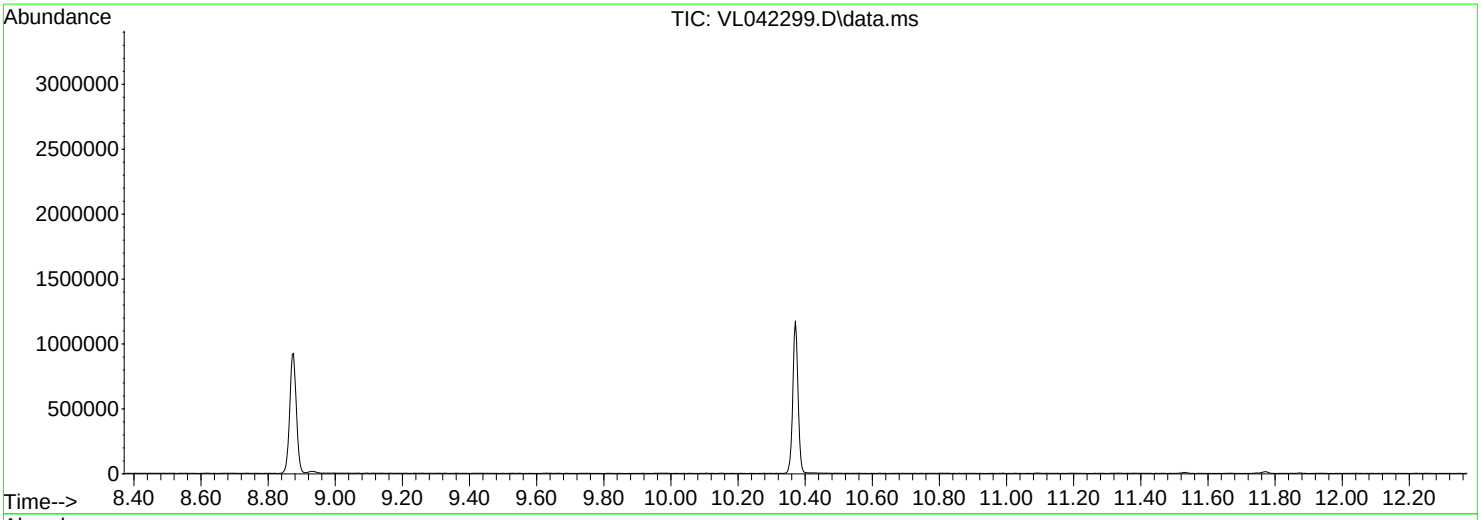
BFB

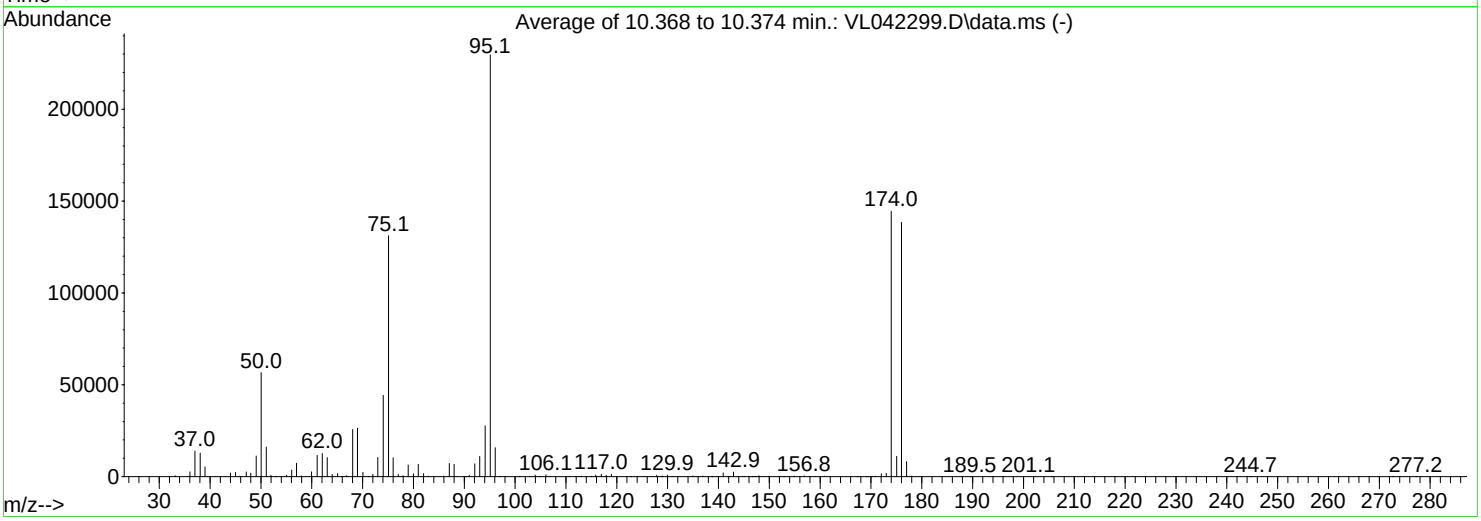
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042299.D
Acq On : 10 Apr 2025 08:46
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025





AutoFind: Scans 3176, 3177, 3178; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.7	56629	PASS
75	95	30	66	57.1	131205	PASS
95	95	100	100	100.0	229611	PASS
96	95	5	9	6.9	15747	PASS
173	174	0.00	2	1.3	1863	PASS
174	95	50	120	62.9	144533	PASS
175	174	4	9	7.7	11082	PASS
176	174	93	101	95.7	138363	PASS
177	176	5	9	5.9	8219	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042300.D
Acq On : 10 Apr 2025 09:27
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 01:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	178247	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	448439	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	388079	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	315861	9.911	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	256858	9.760	ppbv	99
3) Chlorodifluoromethane	1.473	51	283366	10.540	ppbv	98
4) Chloromethane	1.531	50	106741	9.924	ppbv	98
5) Vinyl Chloride	1.576	62	95961	8.419	ppbv	96
6) Bromomethane	1.664	94	46181	9.475	ppbv	98
7) Chloroethane	1.699	64	40193	9.310	ppbv	95
8) Dichlorotetrafluoroethane	1.551	85	218294	9.740	ppbv	94
9) Propene	1.483	41	109223	8.863	ppbv	100
10) Heptane	4.972	43	324095	9.887	ppbv	98
11) Trichlorofluoromethane	1.874	101	247687	9.672	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	202744	9.632	ppbv	98
13) Ethanol	1.716	45	4951	4.250	ppbv	90
14) Bromoethene	1.777	108	71256	8.837	ppbv	97
15) Acetone	1.832	43	223555	8.968	ppbv	97
16) 1,3-Butadiene	1.606	39	109334	8.981	ppbv	96
17) tert-Butyl alcohol	2.036	59	251167	8.089	ppbv	99
18) 1,1-Dichloroethene	2.030	96	84843	8.622	ppbv	95
19) Isopropyl Alcohol	1.884	45	121282	8.623	ppbv	93
20) Methylene Chloride	2.056	84	78454	8.450	ppbv	96
21) Allyl Chloride	2.091	41	160287	9.117	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	100830	8.866	ppbv	97
23) Vinyl Acetate	2.457	43	87054	8.068	ppbv	98
24) 1,1-Dichloroethane	2.405	63	207493	9.842	ppbv	99
25) Ethyl Acetate	2.829	43	648989	10.031	ppbv	99
26) Hexane	2.819	57	242802	9.715	ppbv	95
27) Carbon Disulfide	2.146	76	246850	9.211	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	123776	7.955	ppbv	95
29) Chloroform	2.842	83	384275	10.507	ppbv	98
30) Cyclohexane	3.849	84	195121	8.992	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	230708	9.093	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	374626	8.947	ppbv	97
34) 2-Butanone	2.554	43	358677	11.030	ppbv	98
35) Carbon Tetrachloride	3.755	117	392632	11.208	ppbv	98
36) Benzene	3.648	78	478185	10.756	ppbv	98
37) 1,2-Dichloroethane	3.211	62	286987	11.276	ppbv	100
38) Trichloroethene	4.538	130	195692	10.550	ppbv	97
39) 1,2-Dichloropropane	4.305	63	177013	10.933	ppbv	93
40) 1,4-Dioxane	4.574	88	82234	9.570	ppbv #	96
41) Tetrahydrofuran	3.049	42	203688	10.878	ppbv	93
42) Bromodichloromethane	4.480	83	403381	11.496	ppbv	98
43) Methyl Methacrylate	4.871	69	174371	9.265	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	854163	11.369	ppbv	97
45) t-1,3-Dichloropropene	6.406	75	165013	8.172	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042300.D
Acq On : 10 Apr 2025 09:27
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 01:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	221829	8.962	ppbv		96
47) 1,1,2-Trichloroethane	6.571	97	195254	11.408	ppbv		98
48) Dibromochloromethane	7.377	129	318189	10.970	ppbv		100
49) Bromoform	9.477	173	285511	10.964	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	507692	9.852	ppbv		94
51) 2-Hexanone	7.428	43	399883	9.449	ppbv	#	94
52) Tetrachloroethene	8.215	164	162967	9.243	ppbv		97
53) Toluene	6.923	91	519861	9.865	ppbv		99
54) 1,2-Dibromoethane	7.642	107	258669	10.842	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.917	131	267799	12.536	ppbv		99
57) Chlorobenzene	8.914	112	449522	12.212	ppbv		94
58) Ethyl Benzene	9.348	91	745642	10.817	ppbv		100
59) m/p-Xylene	9.545	91	1300739m	23.631	ppbv		
60) o-Xylene	9.956	91	645311	11.695	ppbv		96
61) Styrene	9.866	104	277596	10.169	ppbv		99
62) Isopropylbenzene	10.532	105	963868	11.681	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	431966	12.884	ppbv		100
64) n-propylbenzene	10.985	120	255844	12.045	ppbv		99
65) tert-Butylbenzene	11.526	119	885906	11.609	ppbv		99
66) Benzyl Chloride	11.610	91	66712	8.239	ppbv		99
67) sec-Butylbenzene	11.762	105	1259760	11.876	ppbv		100
69) p-Isopropyltoluene	11.921	119	1081410	11.839	ppbv		99
70) n-Butylbenzene	12.277	91	1114385	11.930	ppbv		100
71) 2-Chlorotoluene	10.895	91	735700	11.488	ppbv		98
72) 4-Ethyltoluene	11.121	105	807663	11.756	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	697155	11.618	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	794178	11.489	ppbv		92
75) 1,3-Dichlorobenzene	11.604	146	483914	12.764	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	477802	12.663	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	479327	12.985	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	378178	10.064	ppbv		100
79) Naphthalene	13.510	128	909659	12.031	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	421431	11.365	ppbv		99
81) 1,2,4-Trichlorobenzene	13.439	180	402576	11.543	ppbv		99

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

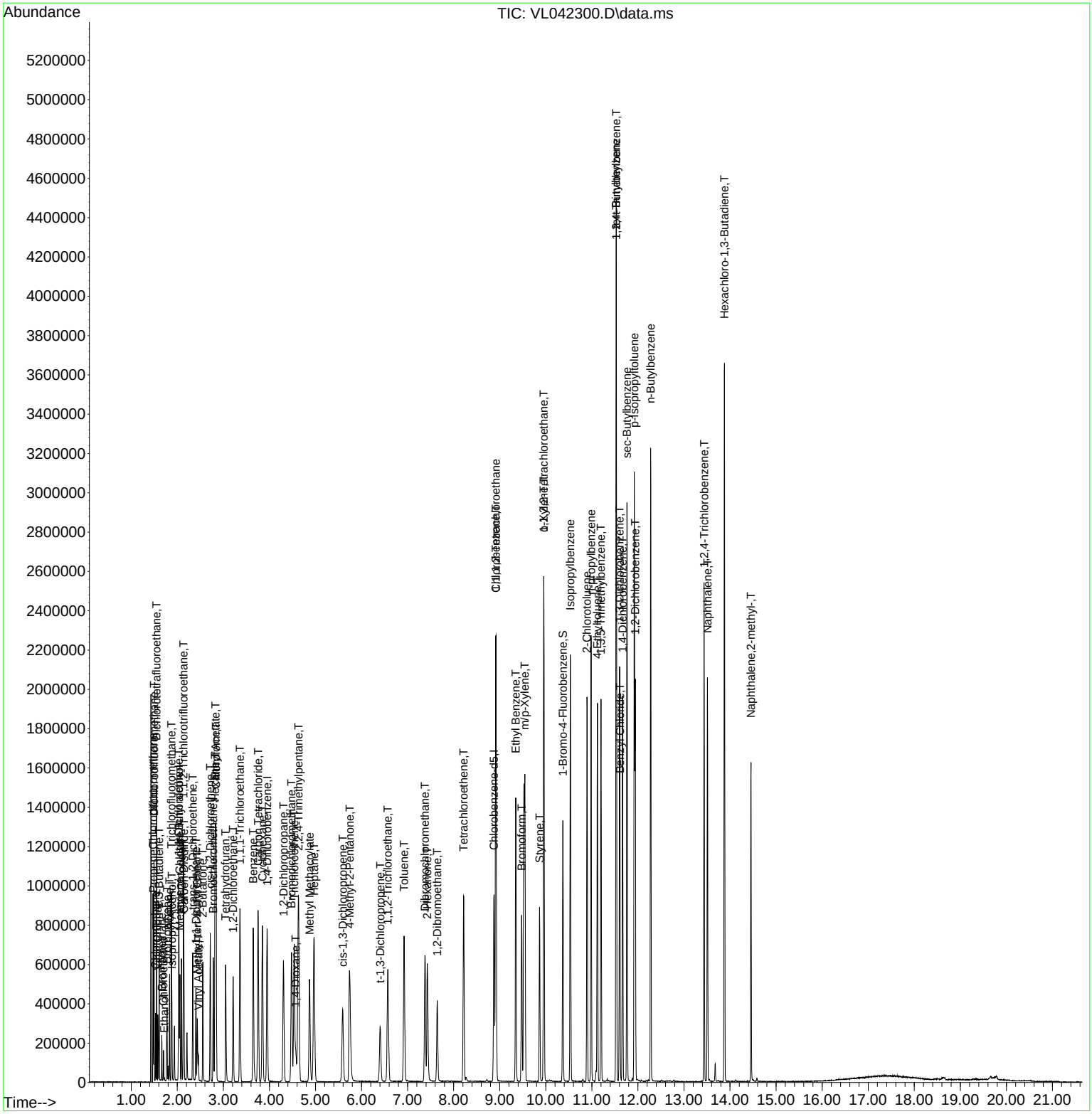
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042300.D
Acq On : 10 Apr 2025 09:27
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 01:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042300.D
Acq On : 10 Apr 2025 09:27
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 11 01:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	1.476	1.441	2.4	98	0.00
3		Chlorodifluoromethane	1.508	1.590	-5.4	104	0.00
4		Chloromethane	0.603	0.599	0.7	100	0.00
5	T	Vinyl Chloride	0.639	0.538	15.8	93	0.00
6	T	Bromomethane	0.273	0.259	5.1	96	0.00
7		Chloroethane	0.242	0.225	7.0	95	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.225	2.5	96	0.00
9	T	Propene	0.691	0.613	11.3	89	0.00
10	T	Heptane	1.839	1.818	1.1	97	0.00
11	T	Trichlorofluoromethane	1.437	1.390	3.3	99	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.137	3.7	97	0.00
13		Ethanol	0.065	0.028#	56.9#	93	0.00
14	T	Bromoethene	0.452	0.400	11.5	91	0.00
15	T	Acetone	1.399	1.254	10.4	107	0.00
16	T	1,3-Butadiene	0.683	0.613	10.2	102	0.00
17		tert-Butyl alcohol	1.742	1.409	19.1	83	0.00
18	T	1,1-Dichloroethene	0.552	0.476	13.8	90	0.00
19	T	Isopropyl Alcohol	0.789	0.680	13.8	92	0.00
20	T	Methylene Chloride	0.521	0.440	15.5	96	0.00
21	T	Allyl Chloride	0.986	0.899	8.8	95	0.00
22	T	trans-1,2-Dichloroethene	0.638	0.566	11.3	91	0.00
23	T	Vinyl Acetate	0.605	0.488	19.3	94	0.00
24	T	1,1-Dichloroethane	1.183	1.164	1.6	99	0.00
25	T	Ethyl Acetate	3.630	3.641	-0.3	100	0.00
26	T	Hexane	1.402	1.362	2.9	97	0.00
27	T	Carbon Disulfide	1.503	1.385	7.9	92	0.00
28	T	Methyl tert-Butyl Ether	0.873	0.694	20.5	80	0.00
29	T	Chloroform	2.052	2.156	-5.1	106	0.00
30	T	Cyclohexane	1.217	1.095	10.0	90	0.00
31	T	cis-1,2-Dichloroethene	1.423	1.294	9.1	90	0.00
32	T	1,1,1-Trichloroethane	2.349	2.102	10.5	97	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
34	T	2-Butanone	0.725	0.800	-10.3	99	0.00
35	T	Carbon Tetrachloride	0.781	0.876	-12.2	103	0.00
36	T	Benzene	0.991	1.066	-7.6	94	0.00
37	T	1,2-Dichloroethane	0.568	0.640	-12.7	98	0.00
38	T	Trichloroethene	0.414	0.436	-5.3	96	0.00
39	T	1,2-Dichloropropane	0.361	0.395	-9.4	96	0.00
40	T	1,4-Dioxane	0.192	0.183	4.7	89	0.00
41	T	Tetrahydrofuran	0.418	0.454	-8.6	94	0.00
42	T	Bromodichloromethane	0.782	0.900	-15.1	96	0.00
43		Methyl Methacrylate	0.420	0.389	7.4	79	0.00
44	T	2,2,4-Trimethylpentane	1.675	1.905	-13.7	97	0.00
45	T	t-1,3-Dichloropropene	0.450	0.368	18.2	69	0.00
46	T	cis-1,3-Dichloropropene	0.552	0.495	10.3	74	0.00
47	T	1,1,2-Trichloroethane	0.382	0.435	-13.9	99	0.00
48	T	Dibromochloromethane	0.647	0.710	-9.7	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042300.D
Acq On : 10 Apr 2025 09:27
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 11 01:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.581	0.637	-9.6	90	0.00
50	T	4-Methyl-2-Pentanone	1.149	1.132	1.5	91	0.00
51	T	2-Hexanone	0.944	0.892	5.5	87	0.00
52	T	Tetrachloroethene	0.393	0.363	7.6	87	0.00
53	T	Toluene	1.175	1.159	1.4	85	0.00
54	T	1,2-Dibromoethane	0.532	0.577	-8.5	93	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
56		1,1,1,2-Tetrachloroethane	0.550	0.690	-25.5	101	0.00
57	T	Chlorobenzene	0.949	1.158	-22.0	99	0.00
58	T	Ethyl Benzene	1.776	1.921	-8.2	86	0.00
59	T	m/p-Xylene	1.418	1.676	-18.2	95	0.00
60	T	o-Xylene	1.422	1.663	-16.9	94	0.00
61	T	Styrene	0.703	0.715	-1.7	78	0.00
62		Isopropylbenzene	2.126	2.484	-16.8	95	0.00
63	T	1,1,2,2-Tetrachloroethane	0.864	1.113	-28.8	104	0.00
64		n-propylbenzene	0.547	0.659	-20.5	99	0.00
65		tert-Butylbenzene	1.966	2.283	-16.1	98	0.00
66	T	Benzyl Chloride	0.209	0.172	17.7	63	0.00
67		sec-Butylbenzene	2.733	3.246	-18.8	101	0.00
68	S	1-Bromo-4-Fluorobenzene	0.821	0.814	0.9	75	0.00
69		p-Isopropyltoluene	2.354	2.787	-18.4	100	0.00
70		n-Butylbenzene	2.407	2.872	-19.3	100	0.00
71		2-Chlorotoluene	1.650	1.896	-14.9	92	0.00
72	T	4-Ethyltoluene	1.770	2.081	-17.6	95	0.00
73	T	1,3,5-Trimethylbenzene	1.546	1.796	-16.2	97	0.00
74	T	1,2,4-Trimethylbenzene	1.781	2.046	-14.9	101	0.00
75	T	1,3-Dichlorobenzene	0.977	1.247	-27.6	106	0.00
76	T	1,4-Dichlorobenzene	0.972	1.231	-26.6	104	0.00
77	T	1,2-Dichlorobenzene	0.951	1.235	-29.9	109	0.00
78	T	Hexachloro-1,3-Butadiene	0.968	0.974	-0.6	91	0.00
79	T	Naphthalene	1.948	2.344	-20.3	97	0.00
80	T	Naphthalene,2-methyl-	0.955	1.086	-13.7	82	0.00
81	T	1,2,4-Trichlorobenzene	0.899	1.037	-15.4	90	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\VL041025\
Data File : VL042301.D
Acq On : 10 Apr 2025 10:11
Operator : SY/MD
Sample : VL0410ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABL01

Quant Time: Apr 11 01:55:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

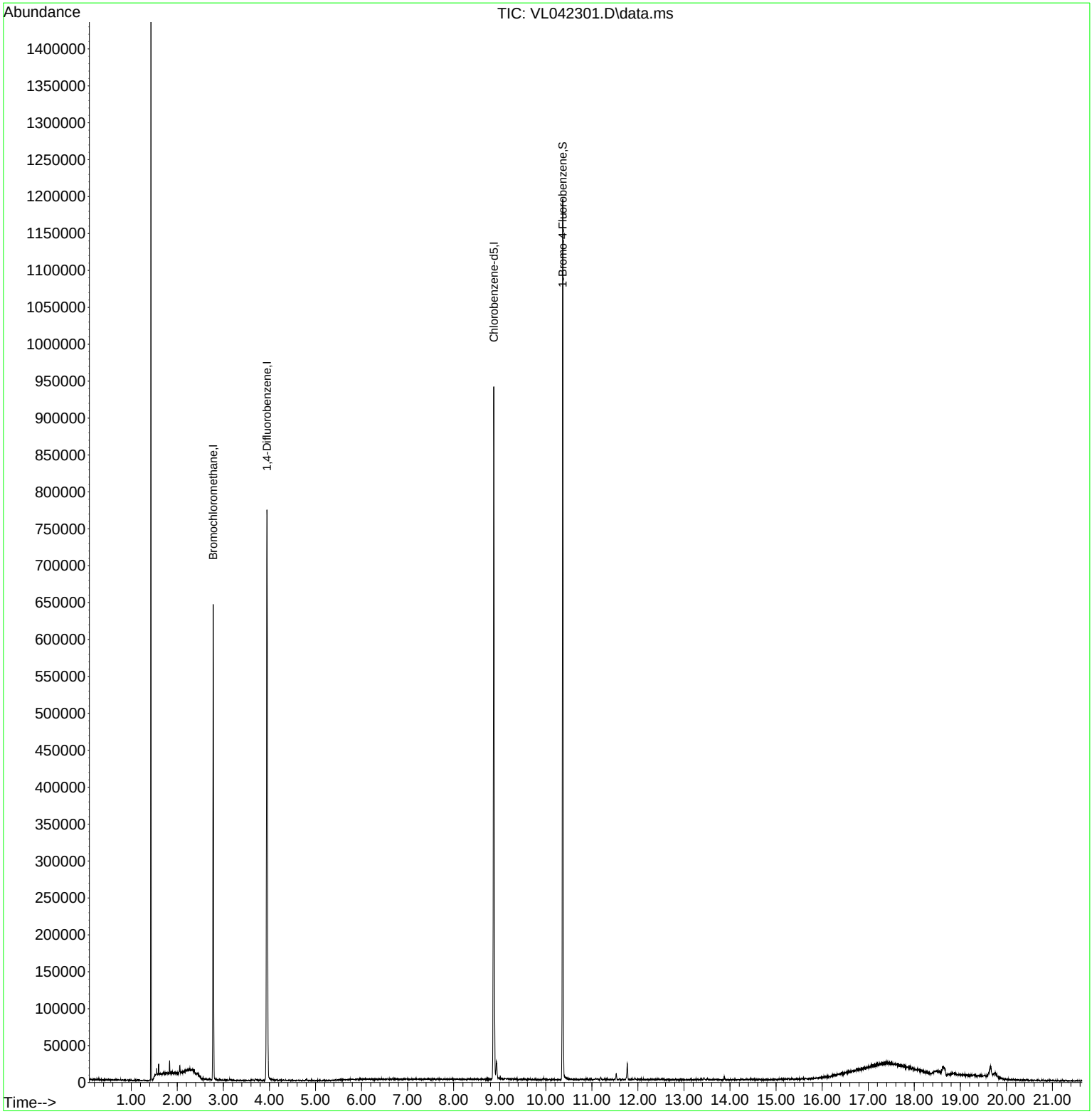
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	176739	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	440263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	371291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	272765	8.946	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 89.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042301.D
Acq On : 10 Apr 2025 10:11
Operator : SY/MD
Sample : VL0410ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABL01

Quant Time: Apr 11 01:55:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042302.D
Acq On : 10 Apr 2025 11:05
Operator : SY/MD
Sample : VL0410ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 01:55:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.780	49	181992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	454728	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	404669	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	327827	9.865	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	251268	9.351	ppbv	100
3) Chlorodifluoromethane	1.473	51	281024	10.237	ppbv	100
4) Chloromethane	1.531	50	108261	9.858	ppbv	96
5) Vinyl Chloride	1.576	62	98639	8.476	ppbv	99
6) Bromomethane	1.664	94	45101	9.063	ppbv	98
7) Chloroethane	1.699	64	39048	8.858	ppbv	100
8) Dichlorotetrafluoroethane	1.550	85	217598	9.509	ppbv	96
9) Propene	1.479	41	109142	8.674	ppbv	98
10) Heptane	4.965	43	316659	9.462	ppbv	100
11) Trichlorofluoromethane	1.874	101	245155	9.376	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	188616	8.776	ppbv	98
13) Ethanol	1.719	45	6073	5.106	ppbv	83
14) Bromoethene	1.777	108	70885	8.610	ppbv	99
15) Acetone	1.832	43	224780	8.831	ppbv	97
16) 1,3-Butadiene	1.605	39	108045	8.692	ppbv	99
17) tert-Butyl alcohol	2.036	59	241572	7.620	ppbv	99
18) 1,1-Dichloroethene	2.029	96	84303	8.391	ppbv	99
19) Isopropyl Alcohol	1.881	45	121689	8.474	ppbv	93
20) Methylene Chloride	2.055	84	75086	7.921	ppbv	90
21) Allyl Chloride	2.091	41	159249	8.872	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	98486	8.482	ppbv	99
23) Vinyl Acetate	2.457	43	84988	7.715	ppbv	98
24) 1,1-Dichloroethane	2.402	63	202298	9.398	ppbv	99
25) Ethyl Acetate	2.829	43	654276	9.904	ppbv	99
26) Hexane	2.819	57	244625	9.587	ppbv	96
27) Carbon Disulfide	2.146	76	237591	8.683	ppbv #	95
28) Methyl tert-Butyl Ether	2.434	73	122255	7.696	ppbv	96
29) Chloroform	2.842	83	385486	10.323	ppbv	100
30) Cyclohexane	3.845	84	196837	8.884	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	233042	8.996	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	375253	8.777	ppbv	98
34) 2-Butanone	2.551	43	367560	11.147	ppbv	97
35) Carbon Tetrachloride	3.755	117	392214	11.041	ppbv	100
36) Benzene	3.648	78	484758	10.753	ppbv	98
37) 1,2-Dichloroethane	3.211	62	290241	11.246	ppbv	99
38) Trichloroethene	4.538	130	193516	10.288	ppbv	99
39) 1,2-Dichloropropane	4.305	63	178422	10.868	ppbv	92
40) 1,4-Dioxane	4.570	88	81717	9.378	ppbv #	96
41) Tetrahydrofuran	3.049	42	201299	10.601	ppbv	95
42) Bromodichloromethane	4.480	83	406194	11.416	ppbv	100
43) Methyl Methacrylate	4.871	69	177759	9.315	ppbv	99
44) 2,2,4-Trimethylpentane	4.628	57	844094	11.080	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	168205	8.215	ppbv	93

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042302.D
Acq On : 10 Apr 2025 11:05
Operator : SY/MD
Sample : VL0410ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 01:55:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	226293	9.016	ppbv		98
47) 1,1,2-Trichloroethane	6.570	97	198266	11.424	ppbv		97
48) Dibromochloromethane	7.376	129	318857	10.841	ppbv		100
49) Bromoform	9.474	173	288223	10.915	ppbv		99
50) 4-Methyl-2-Pentanone	5.739	43	518035	9.913	ppbv		96
51) 2-Hexanone	7.428	43	414703	9.664	ppbv	#	94
52) Tetrachloroethene	8.215	164	165334	9.248	ppbv		97
53) Toluene	6.923	91	527837	9.877	ppbv		100
54) 1,2-Dibromoethane	7.642	107	265105	10.958	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.917	131	269261	12.088	ppbv		99
57) Chlorobenzene	8.914	112	453135	11.805	ppbv		97
58) Ethyl Benzene	9.348	91	773516	10.761	ppbv		99
59) m/p-Xylene	9.542	91	1316027m	22.929	ppbv		
60) o-Xylene	9.956	91	656144	11.404	ppbv		96
61) Styrene	9.862	104	283752	9.968	ppbv		99
62) Isopropylbenzene	10.532	105	968339	11.254	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	437804	12.523	ppbv		99
64) n-propylbenzene	10.982	120	260101	11.743	ppbv		98
65) tert-Butylbenzene	11.526	119	891006	11.197	ppbv		99
66) Benzyl Chloride	11.610	91	67064	7.943	ppbv		98
67) sec-Butylbenzene	11.762	105	1266690	11.452	ppbv		99
69) p-Isopropyltoluene	11.921	119	1065111	11.183	ppbv		99
70) n-Butylbenzene	12.277	91	1117359	11.471	ppbv		99
71) 2-Chlorotoluene	10.895	91	738389	11.057	ppbv		98
72) 4-Ethyltoluene	11.118	105	818929	11.431	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	705360	11.273	ppbv		99
74) 1,2,4-Trimethylbenzene	11.532	105	800991	11.112	ppbv		97
75) 1,3-Dichlorobenzene	11.603	146	481728	12.185	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	479693	12.192	ppbv		99
77) 1,2-Dichlorobenzene	11.940	146	477721	12.411	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	380053	9.700	ppbv		99
79) Naphthalene	13.510	128	905270	11.482	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	422199	10.919	ppbv		99
81) 1,2,4-Trichlorobenzene	13.435	180	402319	11.063	ppbv		99

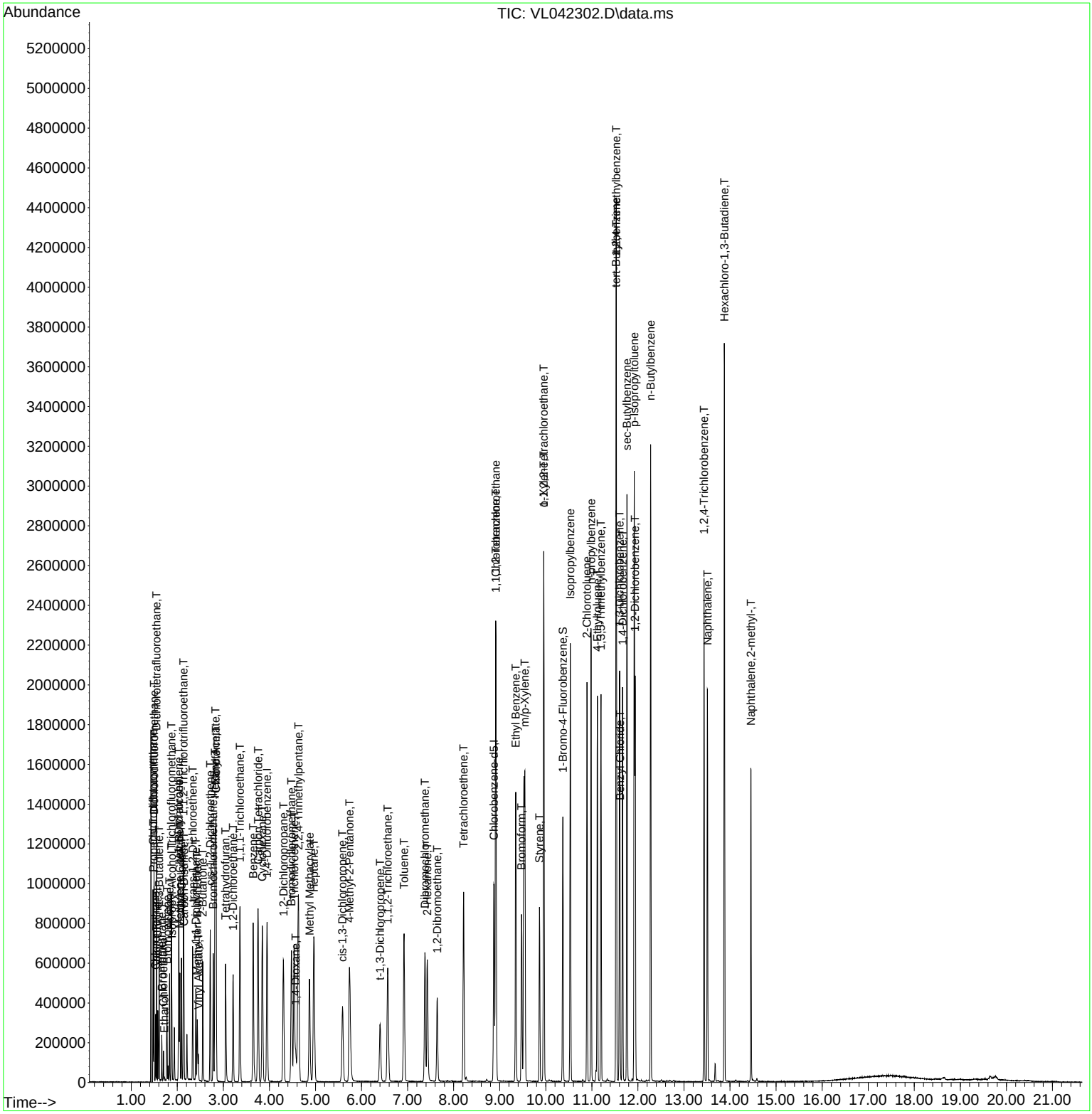
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042302.D
Acq On : 10 Apr 2025 11:05
Operator : SY/MD
Sample : VL0410ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 01:55:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042307.D
Acq On : 10 Apr 2025 14:20
Operator : SY/MD
Sample : QC040925 CAN 10604
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Quant Time: Apr 11 01:58:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

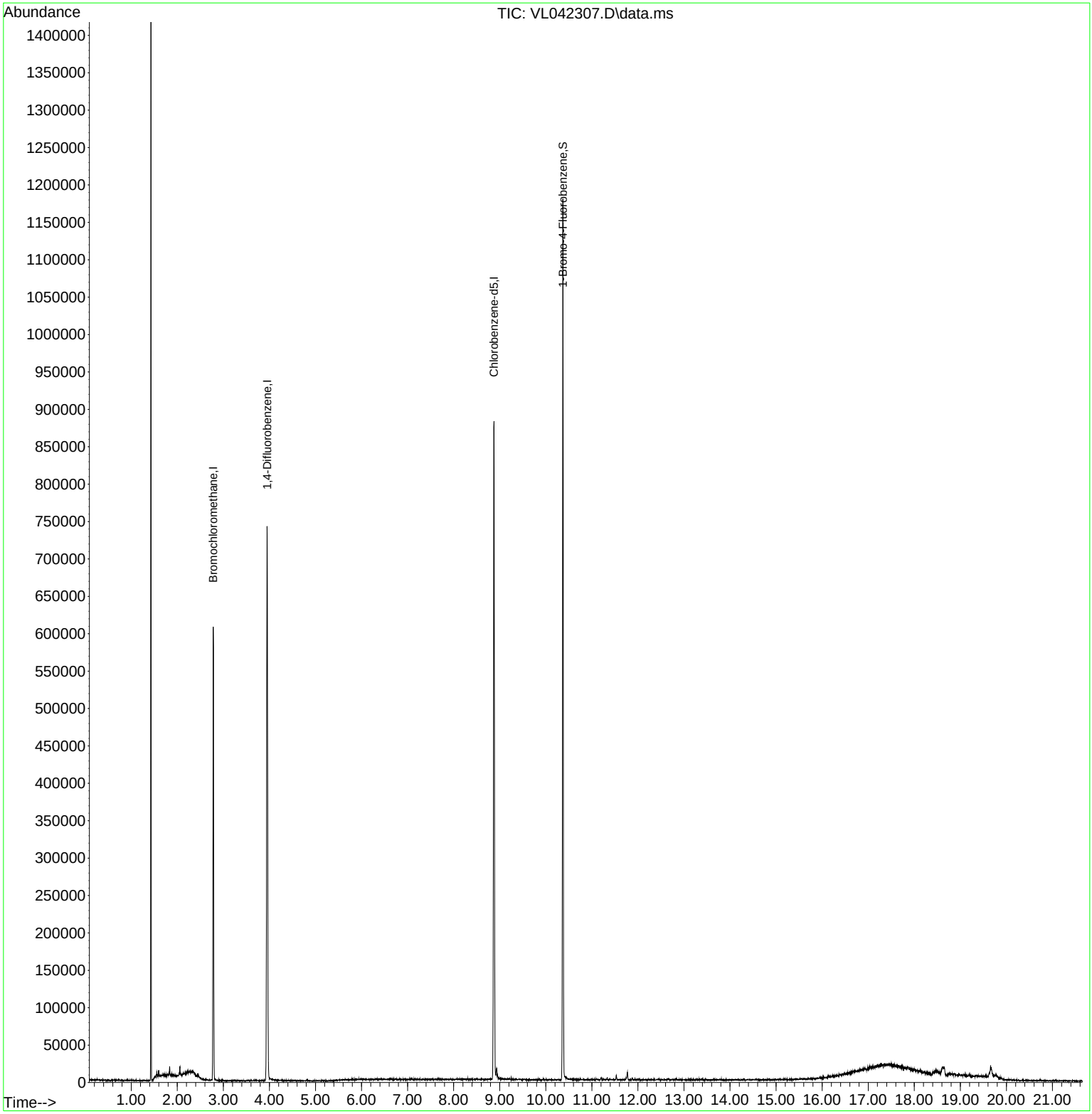
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	167662	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	409947	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	345392	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	261215	9.209	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.100%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042307.D
Acq On : 10 Apr 2025 14:20
Operator : SY/MD
Sample : QC040925 CAN 10604
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

Quant Time: Apr 11 01:58:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042308.D
Acq On : 10 Apr 2025 14:51
Operator : SY/MD
Sample : QC040825 CAN 10445
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040825 CAN 10445

Quant Time: Apr 11 01:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

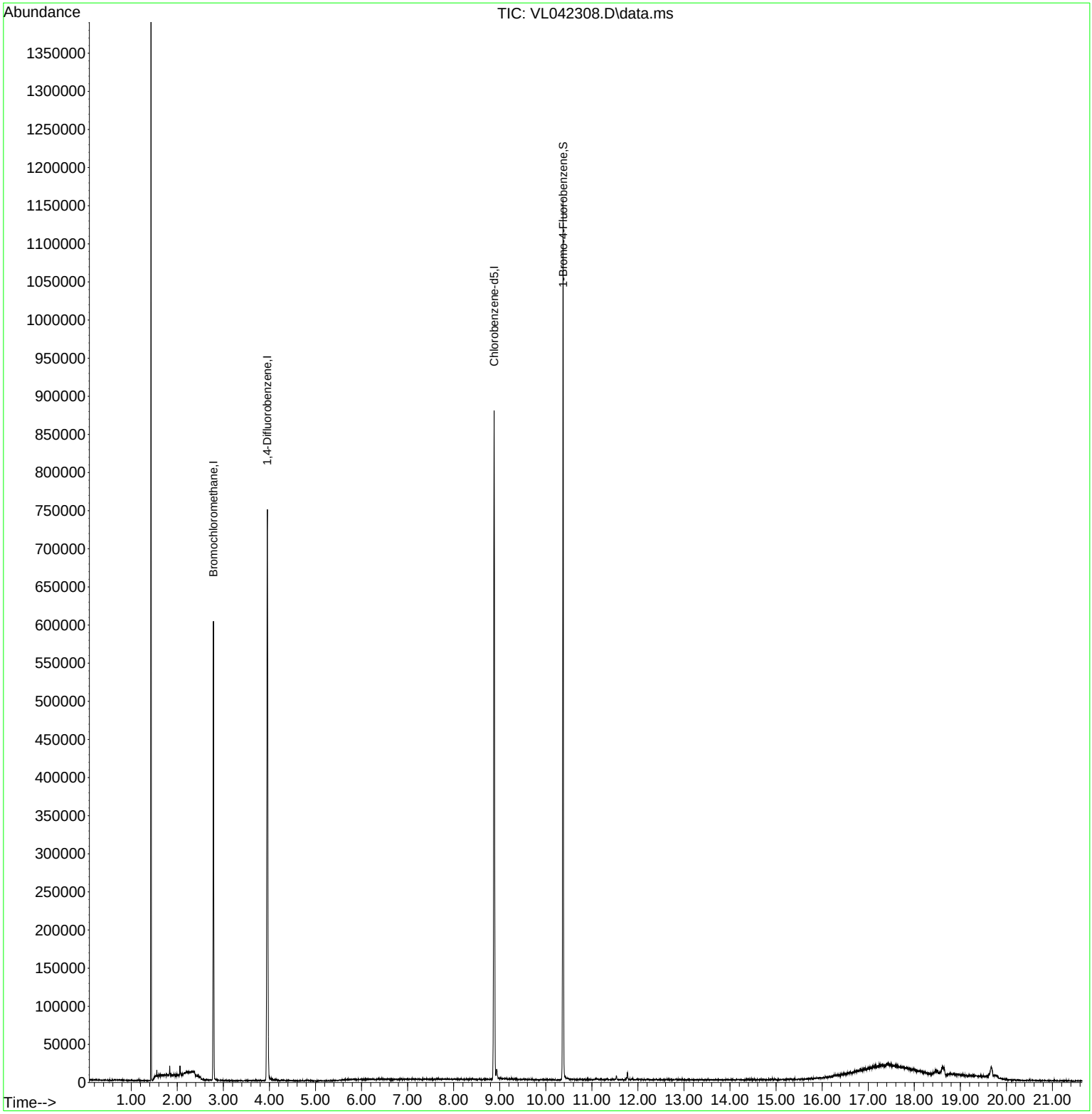
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	169533	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	400917	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	344890	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	257971	9.108	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.100%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042308.D
Acq On : 10 Apr 2025 14:51
Operator : SY/MD
Sample : QC040825 CAN 10445
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC040825 CAN 10445

Quant Time: Apr 11 01:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



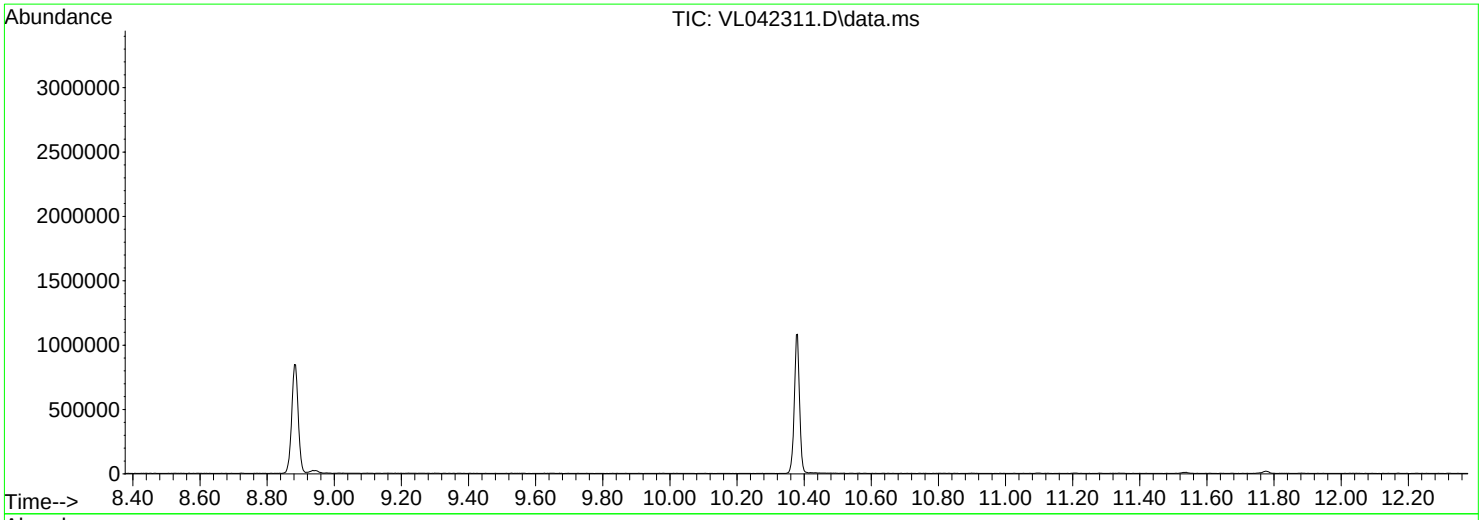
BFB

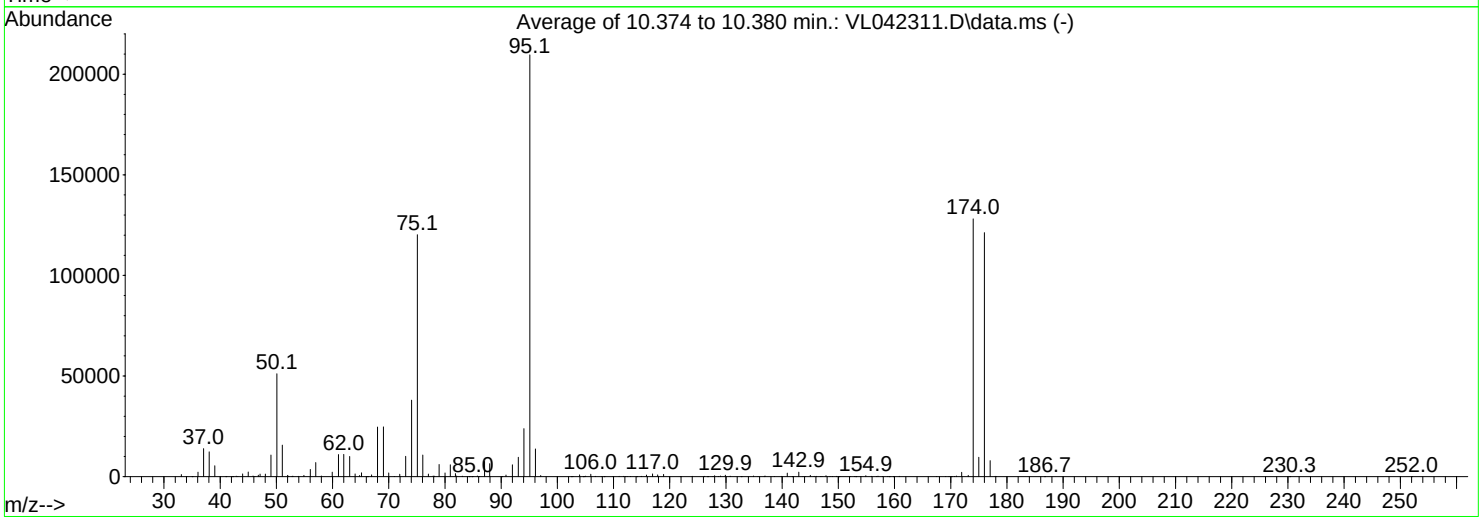
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042311.D
Acq On : 11 Apr 2025 08:18
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025





AutoFind: Scans 3178, 3179, 3180; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	51160	PASS
75	95	30	66	57.3	120195	PASS
95	95	100	100	100.0	209621	PASS
96	95	5	9	6.6	13755	PASS
173	174	0.00	2	0.5	631	PASS
174	95	50	120	61.1	128109	PASS
175	174	4	9	7.5	9591	PASS
176	174	93	101	94.7	121299	PASS
177	176	5	9	6.6	7977	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042312.D
Acq On : 11 Apr 2025 09:50
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 22:56:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	183700	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	463746	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	401340	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	318204	9.655	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	264775	9.762	ppbv	100
3) Chlorodifluoromethane	1.476	51	287991	10.394	ppbv	97
4) Chloromethane	1.531	50	111786	10.085	ppbv	98
5) Vinyl Chloride	1.580	62	102342	8.713	ppbv	95
6) Bromomethane	1.667	94	43054	8.571	ppbv	99
7) Chloroethane	1.703	64	41946	9.427	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	224489	9.719	ppbv	94
9) Propene	1.483	41	117677	9.266	ppbv	99
10) Heptane	4.981	43	334707	9.908	ppbv	100
11) Trichlorofluoromethane	1.877	101	250122	9.477	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	193510	8.920	ppbv	97
13) Ethanol	1.722	45	5849	4.872	ppbv	89
14) Bromoethene	1.780	108	73294	8.820	ppbv	100
15) Acetone	1.835	43	231724	9.019	ppbv	97
16) 1,3-Butadiene	1.609	39	112297	8.950	ppbv	97
17) tert-Butyl alcohol	2.039	59	255575	7.987	ppbv	99
18) 1,1-Dichloroethene	2.033	96	89512	8.827	ppbv	98
19) Isopropyl Alcohol	1.887	45	125233	8.639	ppbv	92
20) Methylene Chloride	2.062	84	76968	8.044	ppbv	93
21) Allyl Chloride	2.098	41	162998	8.996	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	101974	8.700	ppbv	95
23) Vinyl Acetate	2.463	43	95152	8.557	ppbv	99
24) 1,1-Dichloroethane	2.408	63	207862	9.567	ppbv	99
25) Ethyl Acetate	2.835	43	678920	10.182	ppbv	99
26) Hexane	2.826	57	256866	9.973	ppbv	98
27) Carbon Disulfide	2.149	76	243367	8.812	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	129141	8.053	ppbv	96
29) Chloroform	2.848	83	393638	10.443	ppbv	98
30) Cyclohexane	3.858	84	203526	9.100	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	247194	9.454	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	380312	8.813	ppbv	98
34) 2-Butanone	2.557	43	380682	11.321	ppbv	98
35) Carbon Tetrachloride	3.764	117	390140	10.769	ppbv	98
36) Benzene	3.658	78	506278	11.012	ppbv	97
37) 1,2-Dichloroethane	3.221	62	292183	11.101	ppbv	99
38) Trichloroethene	4.551	130	203156	10.591	ppbv	96
39) 1,2-Dichloropropane	4.315	63	185497	11.079	ppbv	97
40) 1,4-Dioxane	4.583	88	82376	9.270	ppbv #	98
41) Tetrahydrofuran	3.056	42	216646	11.188	ppbv	93
42) Bromodichloromethane	4.493	83	413250	11.389	ppbv	99
43) Methyl Methacrylate	4.884	69	184472	9.478	ppbv	96
44) 2,2,4-Trimethylpentane	4.642	57	872871	11.235	ppbv	98
45) t-1,3-Dichloropropene	6.422	75	176804	8.467	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042312.D
Acq On : 11 Apr 2025 09:50
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 22:56:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	236039	9.222	ppbv		99
47) 1,1,2-Trichloroethane	6.583	97	202891	11.463	ppbv		98
48) Dibromochloromethane	7.389	129	333128	11.106	ppbv		99
49) Bromoform	9.484	173	294489	10.935	ppbv		100
50) 4-Methyl-2-Pentanone	5.755	43	531851	9.980	ppbv		95
51) 2-Hexanone	7.438	43	424035	9.689	ppbv	#	94
52) Tetrachloroethene	8.224	164	170989	9.378	ppbv		97
53) Toluene	6.936	91	547579	10.048	ppbv		99
54) 1,2-Dibromoethane	7.655	107	267225	10.831	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.927	131	271350	12.283	ppbv		100
57) Chlorobenzene	8.924	112	460598	12.099	ppbv		98
58) Ethyl Benzene	9.357	91	779227	10.931	ppbv		98
59) m/p-Xylene	9.552	91	1323463m	23.249	ppbv		
60) o-Xylene	9.966	91	660065	11.567	ppbv		96
61) Styrene	9.872	104	291355	10.320	ppbv		99
62) Isopropylbenzene	10.542	105	988337	11.582	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	446341	12.873	ppbv		99
64) n-propylbenzene	10.992	120	268681	12.231	ppbv		97
65) tert-Butylbenzene	11.532	119	932850	11.820	ppbv		98
66) Benzyl Chloride	11.616	91	68675	8.201	ppbv		99
67) sec-Butylbenzene	11.769	105	1310042	11.942	ppbv		100
69) p-Isopropyltoluene	11.927	119	1107045	11.720	ppbv		99
70) n-Butylbenzene	12.283	91	1144571	11.848	ppbv		99
71) 2-Chlorotoluene	10.904	91	756562	11.423	ppbv		98
72) 4-Ethyltoluene	11.128	105	847821	11.932	ppbv		99
73) 1,3,5-Trimethylbenzene	11.205	105	729887	11.762	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	819490	11.463	ppbv		92
75) 1,3-Dichlorobenzene	11.610	146	492549	12.562	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	488636	12.522	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	494739	12.959	ppbv		98
78) Hexachloro-1,3-Butadiene	13.882	225	373025	9.599	ppbv		99
79) Naphthalene	13.516	128	824947	10.550	ppbv		100
80) Naphthalene,2-methyl-	14.458	142	276556	7.212	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	374714	10.389	ppbv		99

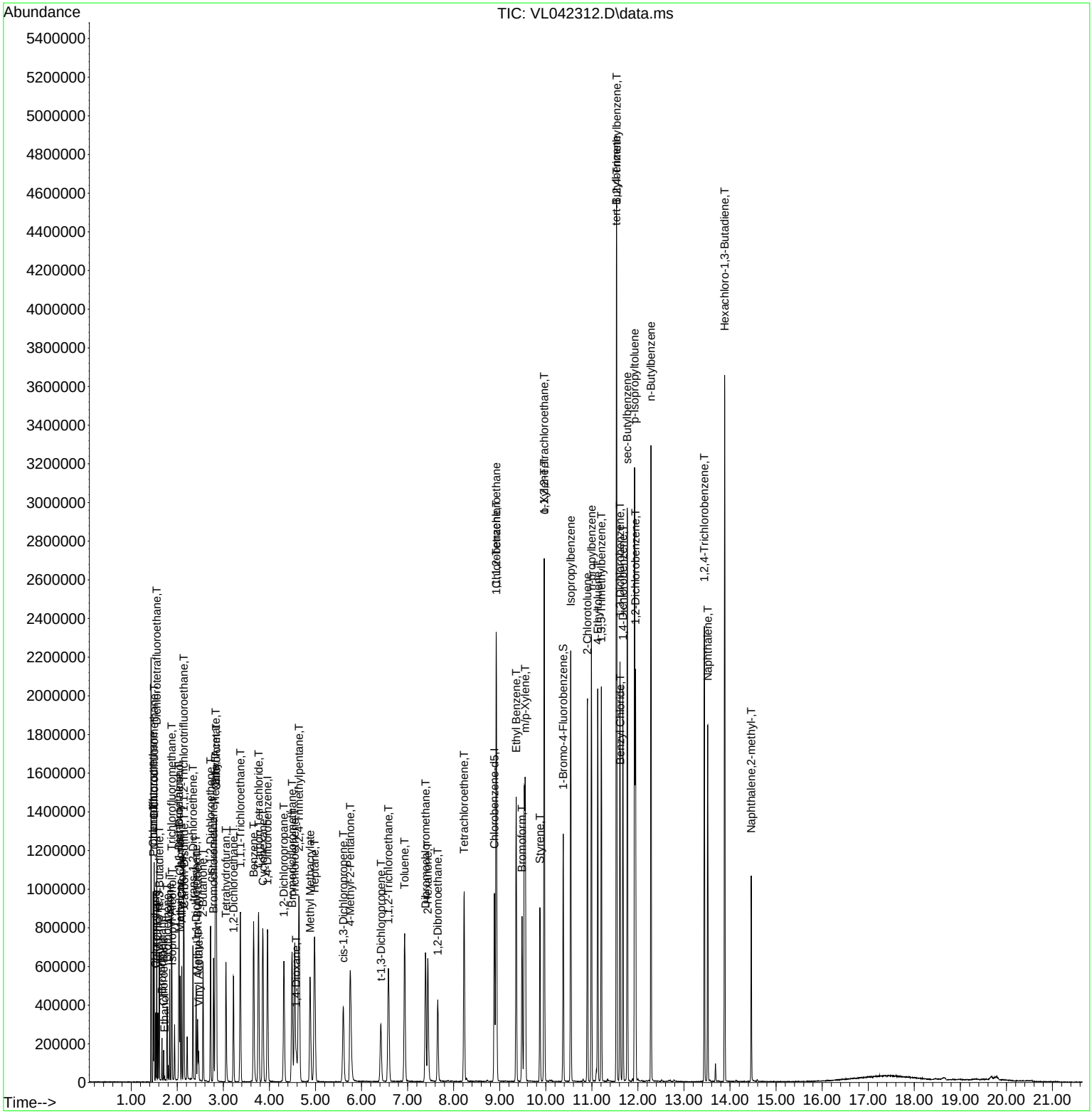
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042312.D
Acq On : 11 Apr 2025 09:50
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 22:56:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/17/2025


Abundance
TIC: VL042312.D\data.ms
Time-->
Hexachloro-1,3-Butadiene,T
1,2,4-Trichlorobenzene,T
Naphthalene,T
Naphthalene,2-methyl-,T
Isopropylbenzene
1-Bromo-4-Fluorobenzene,S
Ethyl Benzene,T
m/p-Xylene,T
Styrene,T
Bromoform,T
Tetrachloroethene,T
Chlorobenzene-d5,I
Toluene,T
t-1,3-Dichloropropene,T
cis-1,3-Dichloropropene,T
1,2-Dibromoethane,T
1,1,2-Trichloroethane,T
Benzene,T
Carbon Tetrachloride,T
1,2-Dichloroethane,T
1,1,1-Trichloroethane,T
Tetrahydrofuran,T
Methyl Methacrylate
1,2-Dichloropropane,T
Bromodichloromethane,T
Dibromomethane,T
Chloroform,T
1,1-Dichloroethene,T
Trichlorofluoromethane,T
Vinyl Acetate,T
Methylene Chloride,T
Freon 113,T
Ethanol,T
Acetone,T
Carbon Disulfide,T
Freon 11,T
Isopropyl Alcohol,T
Acrylonitrile,T
Methyl tert-butyl ether,T
Vinyl Chloride,T
Bromomethane,T
Chloroethane,T
Freon 12,T
Freon 114,T
Chloromethane,T
Propylene,T
Dichlorodifluoromethane,T
Butane,T
Ethanol,T
Ethyl Ether

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042312.D
Acq On : 11 Apr 2025 09:50
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 11 22:56:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	1.476	1.441	2.4	101	0.00
3		Chlorodifluoromethane	1.508	1.568	-4.0	106	0.00
4		Chloromethane	0.603	0.609	-1.0	104	0.00
5	T	Vinyl Chloride	0.639	0.557	12.8	100	0.00
6	T	Bromomethane	0.273	0.234	14.3	90	0.00
7		Chloroethane	0.242	0.228	5.8	99	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.222	2.8	99	0.00
9	T	Propene	0.691	0.641	7.2	95	0.00
10	T	Heptane	1.839	1.822	0.9	100	0.00
11	T	Trichlorofluoromethane	1.437	1.362	5.2	100	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.053	10.8	92	0.00
13		Ethanol	0.065	0.032#	50.8#	110	0.00
14	T	Bromoethene	0.452	0.399	11.7	94	0.00
15	T	Acetone	1.399	1.261	9.9	111	0.00
16	T	1,3-Butadiene	0.683	0.611	10.5	105	0.00
17		tert-Butyl alcohol	1.742	1.391	20.1	84	0.00
18	T	1,1-Dichloroethene	0.552	0.487	11.8	95	0.00
19	T	Isopropyl Alcohol	0.789	0.682	13.6	95	0.00
20	T	Methylene Chloride	0.521	0.419	19.6	94	0.00
21	T	Allyl Chloride	0.986	0.887	10.0	97	0.00
22	T	trans-1,2-Dichloroethene	0.638	0.555	13.0	92	0.00
23	T	Vinyl Acetate	0.605	0.518	14.4	102	0.00
24	T	1,1-Dichloroethane	1.183	1.132	4.3	99	0.00
25	T	Ethyl Acetate	3.630	3.696	-1.8	105	0.00
26	T	Hexane	1.402	1.398	0.3	103	0.00
27	T	Carbon Disulfide	1.503	1.325	11.8	91	0.00
28	T	Methyl tert-Butyl Ether	0.873	0.703	19.5	83	0.00
29	T	Chloroform	2.052	2.143	-4.4	109	0.00
30	T	Cyclohexane	1.217	1.108	9.0	94	0.00
31	T	cis-1,2-Dichloroethene	1.423	1.346	5.4	96	0.00
32	T	1,1,1-Trichloroethane	2.349	2.070	11.9	99	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
34	T	2-Butanone	0.725	0.821	-13.2	105	0.00
35	T	Carbon Tetrachloride	0.781	0.841	-7.7	102	0.00
36	T	Benzene	0.991	1.092	-10.2	99	0.00
37	T	1,2-Dichloroethane	0.568	0.630	-10.9	100	0.00
38	T	Trichloroethene	0.414	0.438	-5.8	100	0.00
39	T	1,2-Dichloropropane	0.361	0.400	-10.8	101	0.00
40	T	1,4-Dioxane	0.192	0.178	7.3	89	0.00
41	T	Tetrahydrofuran	0.418	0.467	-11.7	100	0.00
42	T	Bromodichloromethane	0.782	0.891	-13.9	99	0.00
43		Methyl Methacrylate	0.420	0.398	5.2	84	0.01
44	T	2,2,4-Trimethylpentane	1.675	1.882	-12.4	100	0.00
45	T	t-1,3-Dichloropropene	0.450	0.381	15.3	74	0.02
46	T	cis-1,3-Dichloropropene	0.552	0.509	7.8	79	0.00
47	T	1,1,2-Trichloroethane	0.382	0.438	-14.7	102	0.00
48	T	Dibromochloromethane	0.647	0.718	-11.0	96	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042312.D
Acq On : 11 Apr 2025 09:50
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: Apr 11 22:56:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.581	0.635	-9.3	93	0.00
50	T	4-Methyl-2-Pentanone	1.149	1.147	0.2	95	0.00
51	T	2-Hexanone	0.944	0.914	3.2	92	0.00
52	T	Tetrachloroethene	0.393	0.369	6.1	91	0.00
53	T	Toluene	1.175	1.181	-0.5	89	0.00
54	T	1,2-Dibromoethane	0.532	0.576	-8.3	97	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
56		1,1,1,2-Tetrachloroethane	0.550	0.676	-22.9	102	0.00
57	T	Chlorobenzene	0.949	1.148	-21.0	101	0.00
58	T	Ethyl Benzene	1.776	1.942	-9.3	90	0.00
59	T	m/p-Xylene	1.418	1.649	-16.3	96	0.00
60	T	o-Xylene	1.422	1.645	-15.7	96	0.00
61	T	Styrene	0.703	0.726	-3.3	82	0.00
62		Isopropylbenzene	2.126	2.463	-15.9	97	0.00
63	T	1,1,2,2-Tetrachloroethane	0.864	1.112	-28.7	108	0.00
64		n-propylbenzene	0.547	0.669	-22.3	104	0.00
65		tert-Butylbenzene	1.966	2.324	-18.2	103	0.00
66	T	Benzyl Chloride	0.209	0.171	18.2	65	0.00
67		sec-Butylbenzene	2.733	3.264	-19.4	105	0.00
68	S	1-Bromo-4-Fluorobenzene	0.821	0.793	3.4	75	0.00
69		p-Isopropyltoluene	2.354	2.758	-17.2	103	0.00
70		n-Butylbenzene	2.407	2.852	-18.5	103	0.00
71		2-Chlorotoluene	1.650	1.885	-14.2	95	0.00
72	T	4-Ethyltoluene	1.770	2.112	-19.3	100	0.00
73	T	1,3,5-Trimethylbenzene	1.546	1.819	-17.7	101	0.00
74	T	1,2,4-Trimethylbenzene	1.781	2.042	-14.7	104	0.00
75	T	1,3-Dichlorobenzene	0.977	1.227	-25.6	107	0.00
76	T	1,4-Dichlorobenzene	0.972	1.218	-25.3	106	0.00
77	T	1,2-Dichlorobenzene	0.951	1.233	-29.7	112	0.00
78	T	Hexachloro-1,3-Butadiene	0.968	0.929	4.0	90	0.00
79	T	Naphthalene	1.948	2.055	-5.5	88	0.00
80	T	Naphthalene,2-methyl-	0.955	0.689	27.9	54	0.00
81	T	1,2,4-Trichlorobenzene	0.899	0.934	-3.9	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042313.D
Acq On : 11 Apr 2025 10:36
Operator : SY/MD
Sample : VL0411ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0411ABL01

Quant Time: Apr 11 22:57:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

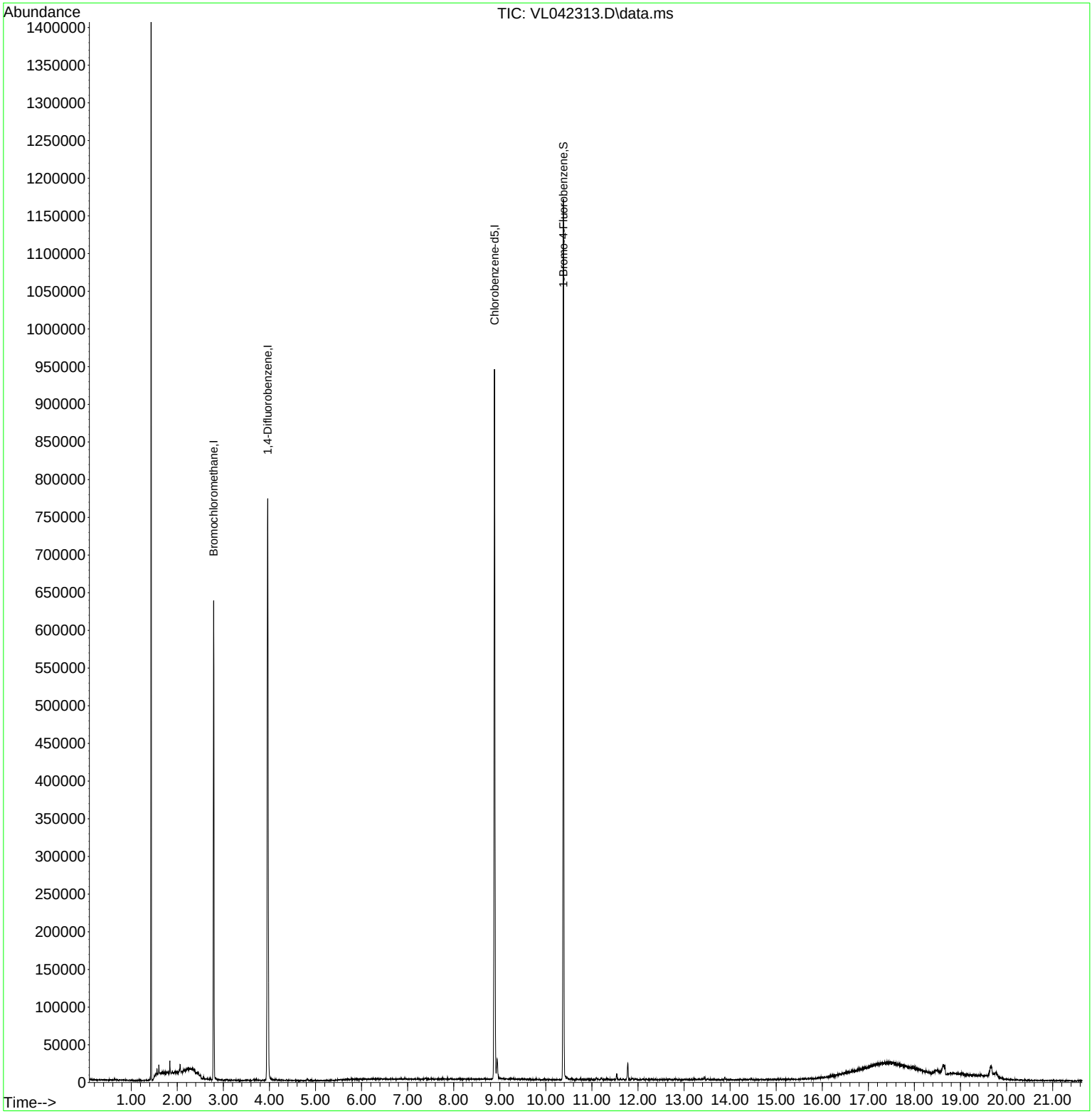
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	180225	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	445487	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	373548	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	277731	9.054	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 90.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042313.D
Acq On : 11 Apr 2025 10:36
Operator : SY/MD
Sample : VL0411ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0411ABL01

Quant Time: Apr 11 22:57:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042314.D
Acq On : 11 Apr 2025 11:23
Operator : SY/MD
Sample : VL0411ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 22:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	178456	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	444353	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	386060	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	314180	9.910	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	260154	9.873	ppbv	99
3) Chlorodifluoromethane	1.473	51	278310	10.339	ppbv	99
4) Chloromethane	1.531	50	109906	10.207	ppbv	97
5) Vinyl Chloride	1.577	62	99540	8.723	ppbv	96
6) Bromomethane	1.667	94	43354	8.884	ppbv	99
7) Chloroethane	1.703	64	40372	9.340	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	219210	9.769	ppbv	94
9) Propene	1.483	41	109077	8.841	ppbv	98
10) Heptane	4.975	43	325268	9.912	ppbv	98
11) Trichlorofluoromethane	1.874	101	247344	9.647	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	191456	9.085	ppbv	97
13) Ethanol	1.719	45	4928	4.225	ppbv	95
14) Bromoethene	1.780	108	70702	8.758	ppbv	99
15) Acetone	1.832	43	228988	9.175	ppbv	95
16) 1,3-Butadiene	1.606	39	110429	9.060	ppbv	97
17) tert-Butyl alcohol	2.039	59	243034	7.818	ppbv	100
18) 1,1-Dichloroethene	2.030	96	83233	8.449	ppbv	97
19) Isopropyl Alcohol	1.884	45	118345	8.404	ppbv #	34
20) Methylene Chloride	2.059	84	75264	8.097	ppbv	93
21) Allyl Chloride	2.094	41	157261	8.934	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	98769	8.674	ppbv	96
23) Vinyl Acetate	2.460	43	86563	8.014	ppbv	98
24) 1,1-Dichloroethane	2.405	63	206840	9.800	ppbv	99
25) Ethyl Acetate	2.836	43	656719	10.138	ppbv	99
26) Hexane	2.823	57	249860	9.986	ppbv	98
27) Carbon Disulfide	2.146	76	236998	8.833	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	122818	7.884	ppbv	97
29) Chloroform	2.845	83	384713	10.506	ppbv	100
30) Cyclohexane	3.852	84	196133	9.028	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	233371	9.187	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	370405	8.836	ppbv	98
34) 2-Butanone	2.554	43	362633	11.254	ppbv	98
35) Carbon Tetrachloride	3.758	117	389738	11.228	ppbv	99
36) Benzene	3.654	78	490339	11.131	ppbv	96
37) 1,2-Dichloroethane	3.214	62	290983	11.538	ppbv	100
38) Trichloroethene	4.545	130	195654	10.645	ppbv	99
39) 1,2-Dichloropropane	4.312	63	179954	11.217	ppbv	91
40) 1,4-Dioxane	4.580	88	80106	9.408	ppbv #	83
41) Tetrahydrofuran	3.052	42	202793	10.930	ppbv	94
42) Bromodichloromethane	4.486	83	405729	11.669	ppbv	97
43) Methyl Methacrylate	4.875	69	177423	9.514	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	850971	11.431	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	166246	8.309	ppbv	93

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042314.D
Acq On : 11 Apr 2025 11:23
Operator : SY/MD
Sample : VL0411ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 22:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	225952	9.213	ppbv		99
47) 1,1,2-Trichloroethane	6.580	97	198762	11.720	ppbv		97
48) Dibromochloromethane	7.383	129	321370	11.181	ppbv		100
49) Bromoform	9.480	173	291905	11.313	ppbv		99
50) 4-Methyl-2-Pentanone	5.749	43	514910	10.084	ppbv		95
51) 2-Hexanone	7.435	43	414681	9.889	ppbv	#	94
52) Tetrachloroethene	8.221	164	165666	9.483	ppbv		96
53) Toluene	6.933	91	526341	10.079	ppbv		99
54) 1,2-Dibromoethane	7.649	107	264126	11.172	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.924	131	271061	12.755	ppbv		97
57) Chlorobenzene	8.921	112	457204	12.486	ppbv		96
58) Ethyl Benzene	9.354	91	761549	11.105	ppbv		98
59) m/p-Xylene	9.548	91	1323517m	24.171	ppbv		
60) o-Xylene	9.963	91	654791	11.929	ppbv		96
61) Styrene	9.869	104	284318	10.470	ppbv		98
62) Isopropylbenzene	10.539	105	975799	11.887	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.963	83	440972	13.222	ppbv		100
64) n-propylbenzene	10.989	120	264518	12.518	ppbv		96
65) tert-Butylbenzene	11.529	119	908946	11.973	ppbv		99
66) Benzyl Chloride	11.617	91	69548	8.634	ppbv		98
67) sec-Butylbenzene	11.765	105	1300090	12.320	ppbv		100
69) p-Isopropyltoluene	11.924	119	1095041	12.051	ppbv		98
70) n-Butylbenzene	12.280	91	1129853	12.159	ppbv		100
71) 2-Chlorotoluene	10.901	91	749737	11.768	ppbv		99
72) 4-Ethyltoluene	11.125	105	825037	12.071	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	711175	11.914	ppbv		99
74) 1,2,4-Trimethylbenzene	11.536	105	816505	11.873	ppbv		91
75) 1,3-Dichlorobenzene	11.607	146	484099	12.835	ppbv		98
76) 1,4-Dichlorobenzene	11.672	146	485460	12.933	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	485421	13.218	ppbv		98
78) Hexachloro-1,3-Butadiene	13.882	225	366850	9.814	ppbv		99
79) Naphthalene	13.513	128	820200	10.904	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	274227	7.434	ppbv		98
81) 1,2,4-Trichlorobenzene	13.439	180	373404	10.762	ppbv		99

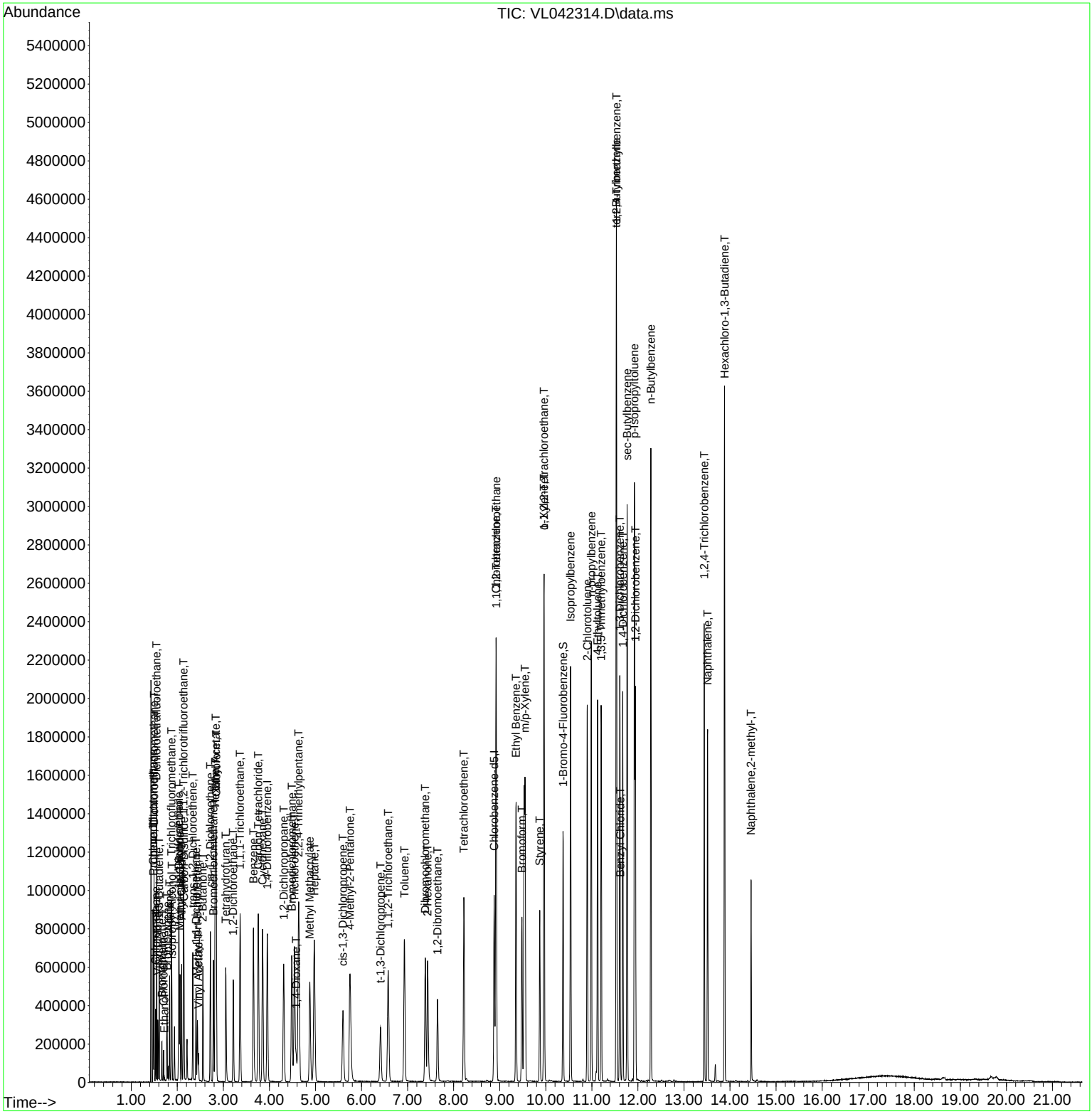
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042314.D
Acq On : 11 Apr 2025 11:23
Operator : SY/MD
Sample : VL0411ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 22:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/17/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042316.D
Acq On : 11 Apr 2025 12:40
Operator : SY/MD
Sample : QC041025CAN 10596
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC041025CAN 10596

Quant Time: Apr 11 22:59:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

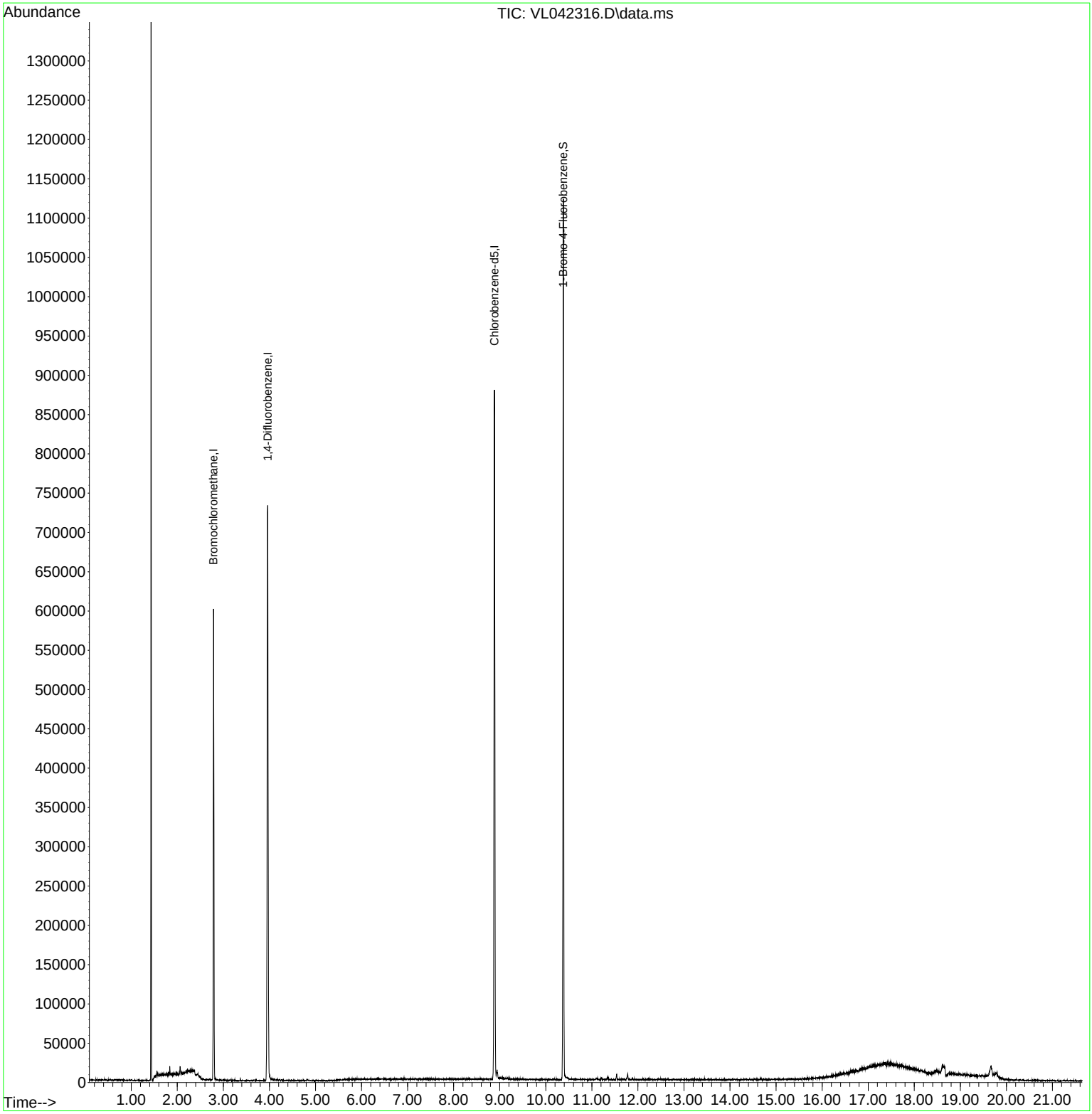
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	170330	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	400070	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	341964	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	254170	9.051	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 90.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042316.D
Acq On : 11 Apr 2025 12:40
Operator : SY/MD
Sample : QC041025CAN 10596
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC041025CAN 10596

Quant Time: Apr 11 22:59:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



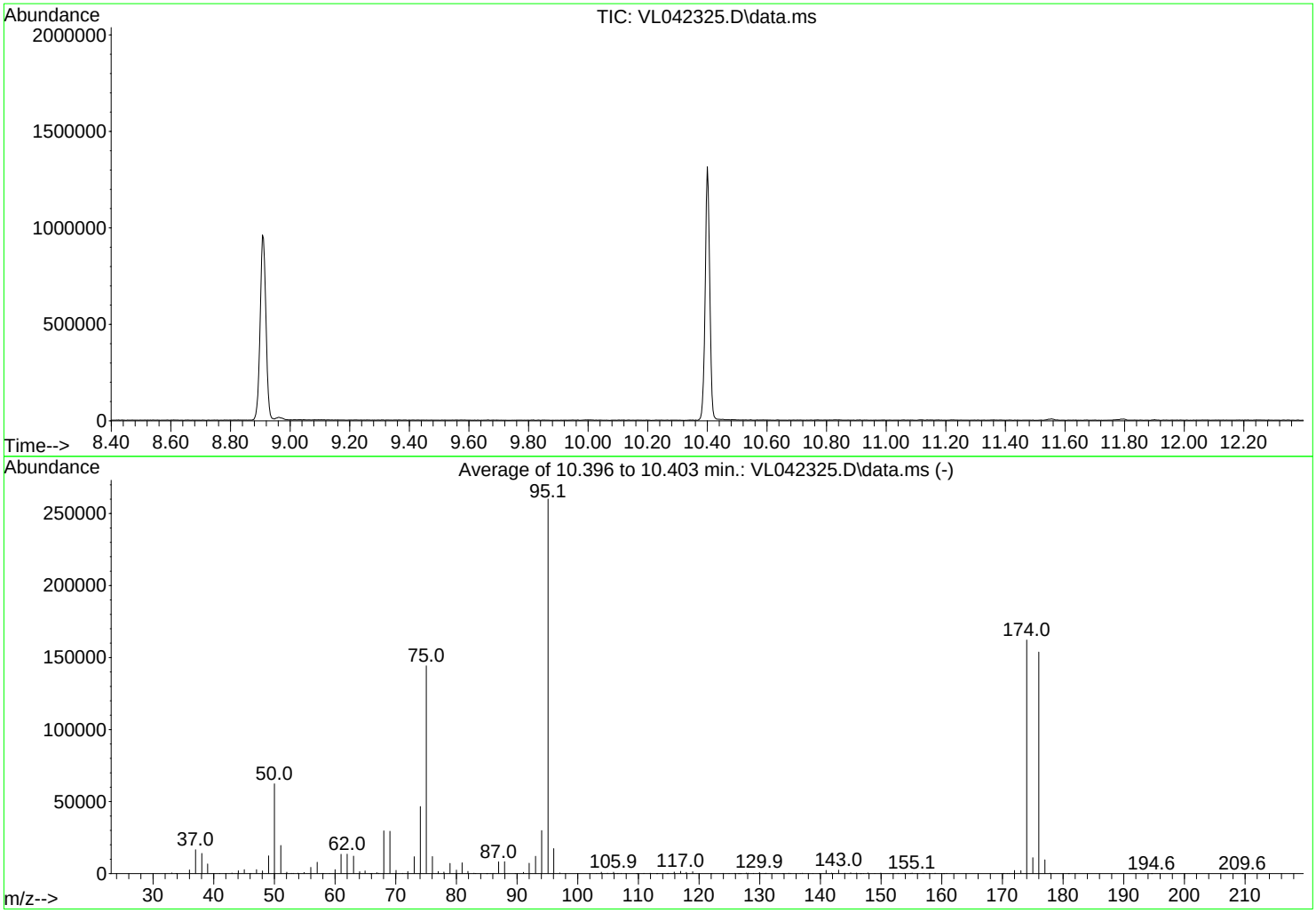
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042325.D
Acq On : 15 Apr 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025



AutoFind: Scans 3185, 3186, 3187; Background Corrected with Scan 3171

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.0	62363	PASS
75	95	30	66	55.5	144299	PASS
95	95	100	100	100.0	260117	PASS
96	95	5	9	6.7	17331	PASS
173	174	0.00	2	1.3	2038	PASS
174	95	50	120	62.4	162261	PASS
175	174	4	9	6.8	11092	PASS
176	174	93	101	94.8	153792	PASS
177	176	5	9	6.2	9603	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.806	49	172263	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	457227	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	411493	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.403	95	325960	9.646	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	214541	8.435	ppbv	99
3) Chlorodifluoromethane	1.483	51	235250	9.054	ppbv	98
4) Chloromethane	1.541	50	89653	8.625	ppbv	98
5) Vinyl Chloride	1.589	62	83204	7.554	ppbv	96
6) Bromomethane	1.677	94	36297	7.705	ppbv	99
7) Chloroethane	1.716	64	32145	7.704	ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	182884	8.443	ppbv	94
9) Propene	1.492	41	101034	8.483	ppbv	98
10) Heptane	5.020	43	276748	8.736	ppbv	98
11) Trichlorofluoromethane	1.887	101	202387	8.178	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.153	101	157030	7.719	ppbv	98
13) Ethanol	1.732	45	4440	3.944	ppbv	93
14) Bromoethene	1.793	108	59588	7.646	ppbv	99
15) Acetone	1.845	43	183439	7.614	ppbv	96
16) 1,3-Butadiene	1.619	39	90954	7.731	ppbv	100
17) tert-Butyl alcohol	2.052	59	209737	6.990	ppbv	100
18) 1,1-Dichloroethene	2.046	96	72322	7.605	ppbv	96
19) Isopropyl Alcohol	1.897	45	104424	7.682	ppbv	98
20) Methylene Chloride	2.075	84	60337	6.725	ppbv	90
21) Allyl Chloride	2.111	41	132956	7.825	ppbv	98
22) trans-1,2-Dichloroethene	2.357	96	81572	7.422	ppbv	96
23) Vinyl Acetate	2.480	43	72160	6.920	ppbv	97
24) 1,1-Dichloroethane	2.425	63	169411	8.315	ppbv	100
25) Ethyl Acetate	2.855	43	564611	9.030	ppbv	99
26) Hexane	2.845	57	213782	8.851	ppbv	98
27) Carbon Disulfide	2.166	76	195452	7.547	ppbv	97
28) Methyl tert-Butyl Ether	2.457	73	116301	7.734	ppbv	96
29) Chloroform	2.868	83	314164	8.888	ppbv	100
30) Cyclohexane	3.884	84	173360	8.266	ppbv	98
31) cis-1,2-Dichloroethene	2.739	61	208160	8.490	ppbv	96
32) 1,1,1-Trichloroethane	3.392	97	311758	7.704	ppbv	98
34) 2-Butanone	2.577	43	317117	9.565	ppbv	97
35) Carbon Tetrachloride	3.790	117	317942	8.902	ppbv	99
36) Benzene	3.684	78	424254	9.360	ppbv	94
37) 1,2-Dichloroethane	3.243	62	239556	9.231	ppbv	100
38) Trichloroethene	4.583	130	172146	9.102	ppbv	96
39) 1,2-Dichloropropane	4.350	63	151707	9.190	ppbv	96
40) 1,4-Dioxane	4.622	88	72075	8.226	ppbv #	98
41) Tetrahydrofuran	3.075	42	181471	9.505	ppbv	95
42) Bromodichloromethane	4.525	83	333167	9.313	ppbv	97
43) Methyl Methacrylate	4.923	69	155399	8.098	ppbv	96
44) 2,2,4-Trimethylpentane	4.677	57	728571	9.511	ppbv	99
45) t-1,3-Dichloropropene	6.461	75	151063	7.338	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.648	75	204339	8.097	ppbv		98
47) 1,1,2-Trichloroethane	6.626	97	163132	9.348	ppbv		97
48) Dibromochloromethane	7.425	129	272592	9.217	ppbv		99
49) Bromoform	9.513	173	238880	8.997	ppbv		100
50) 4-Methyl-2-Pentanone	5.800	43	442851	8.428	ppbv		97
51) 2-Hexanone	7.474	43	353471	8.192	ppbv	#	97
52) Tetrachloroethene	8.260	164	144481	8.037	ppbv		98
53) Toluene	6.975	91	461854	8.595	ppbv		100
54) 1,2-Dibromoethane	7.687	107	220075	9.047	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.956	131	214175	9.455	ppbv		99
57) Chlorobenzene	8.953	112	375357	9.617	ppbv		97
58) Ethyl Benzene	9.383	91	639857	8.754	ppbv		99
59) m/p-Xylene	9.581	91	1063509m	18.222	ppbv		
60) o-Xylene	9.992	91	528896	9.040	ppbv		95
61) Styrene	9.898	104	245300	8.474	ppbv		97
62) Isopropylbenzene	10.565	105	794408	9.079	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.992	83	343786	9.671	ppbv		100
64) n-propylbenzene	11.015	120	212879	9.452	ppbv		95
65) tert-Butylbenzene	11.555	119	721078	8.911	ppbv		97
66) Benzyl Chloride	11.639	91	54427	6.339	ppbv		98
67) sec-Butylbenzene	11.791	105	1026079	9.123	ppbv		99
69) p-Isopropyltoluene	11.947	119	865385	8.935	ppbv		99
70) n-Butylbenzene	12.303	91	884265	8.928	ppbv		99
71) 2-Chlorotoluene	10.927	91	599592	8.830	ppbv		98
72) 4-Ethyltoluene	11.147	105	657765	9.029	ppbv		99
73) 1,3,5-Trimethylbenzene	11.228	105	557593	8.764	ppbv		99
74) 1,2,4-Trimethylbenzene	11.558	105	623563	8.507	ppbv	#	86
75) 1,3-Dichlorobenzene	11.630	146	381572	9.492	ppbv		98
76) 1,4-Dichlorobenzene	11.694	146	380035	9.499	ppbv		98
77) 1,2-Dichlorobenzene	11.969	146	379896	9.706	ppbv		97
78) Hexachloro-1,3-Butadiene	13.902	225	311900	7.828	ppbv		99
79) Naphthalene	13.533	128	760876	9.490	ppbv		99
80) Naphthalene,2-methyl-	14.478	142	365398	9.294	ppbv		98
81) 1,2,4-Trichlorobenzene	13.461	180	337032	9.114	ppbv		99

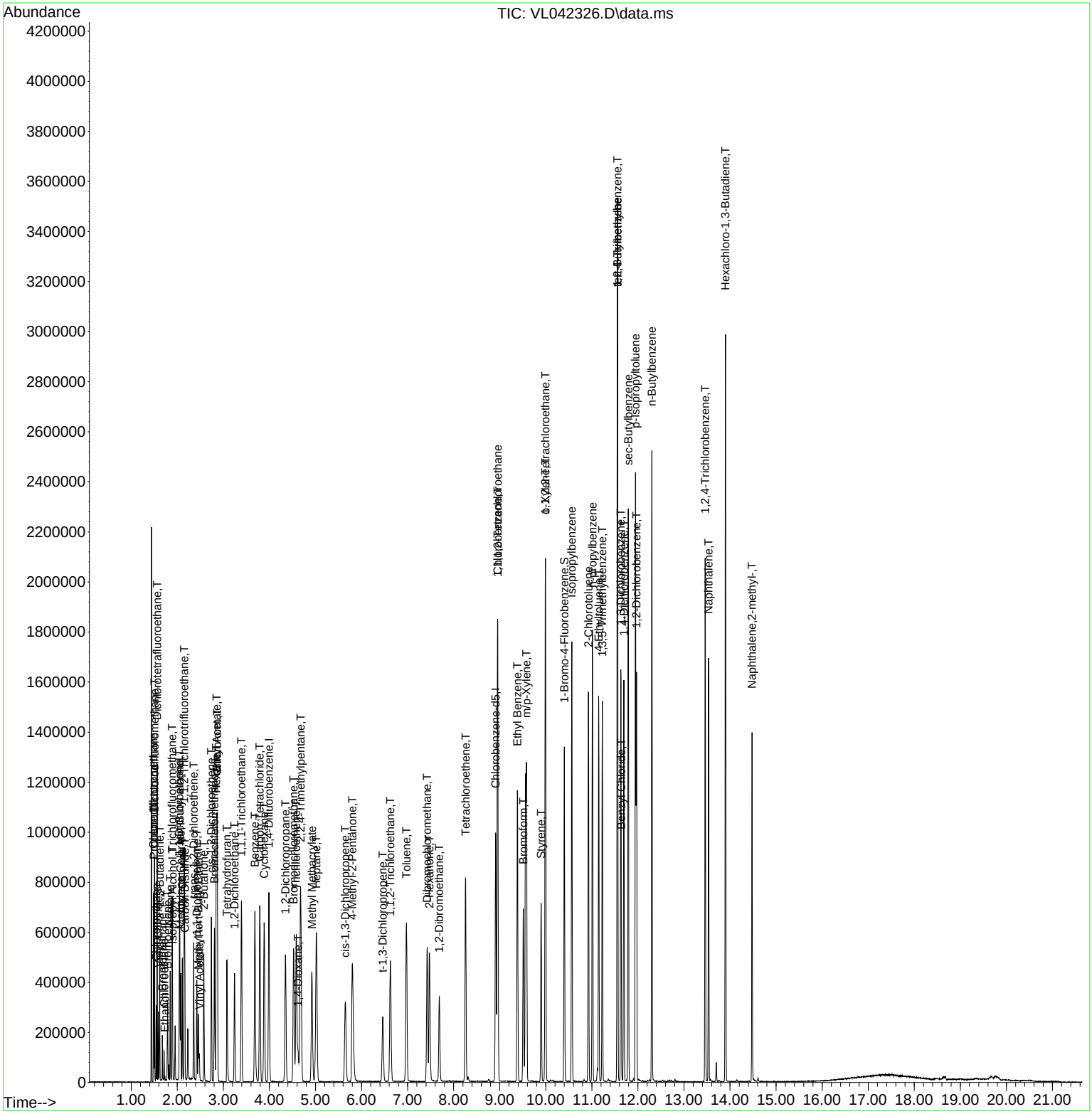
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	92	0.02
2	T	Dichlorodifluoromethane	1.476	1.245	15.7	82	0.00
3		Chlorodifluoromethane	1.508	1.366	9.4	86	0.00
4		Chloromethane	0.603	0.520	13.8	84	0.00
5	T	Vinyl Chloride	0.639	0.483	24.4	81	0.01
6	T	Bromomethane	0.273	0.211	22.7	76	0.01
7		Chloroethane	0.242	0.187	22.7	76	0.01
8	T	Dichlorotetrafluoroethane	1.257	1.062	15.5	81	0.01
9	T	Propene	0.691	0.587	15.1	82	0.00
10	T	Heptane	1.839	1.607	12.6	83	0.05
11	T	Trichlorofluoromethane	1.437	1.175	18.2	81	0.01
12	T	1,1,2-Trichlorotrifluoroeth	1.181	0.912	22.8	75	0.02
13		Ethanol	0.065	0.026#	60.0#	83	0.01
14	T	Bromoethene	0.452	0.346	23.5	76	0.02
15	T	Acetone	1.399	1.065	23.9	88	0.01
16	T	1,3-Butadiene	0.683	0.528	22.7	85	0.01
17		tert-Butyl alcohol	1.742	1.218	30.1#	69	0.02
18	T	1,1-Dichloroethene	0.552	0.420	23.9	77	0.02
19	T	Isopropyl Alcohol	0.789	0.606	23.2	79	0.01
20	T	Methylene Chloride	0.521	0.350	32.8#	74	0.02
21	T	Allyl Chloride	0.986	0.772	21.7	79	0.02
22	T	trans-1,2-Dichloroethene	0.638	0.474	25.7	74	0.02
23	T	Vinyl Acetate	0.605	0.419	30.7#	78	0.02
24	T	1,1-Dichloroethane	1.183	0.983	16.9	81	0.02
25	T	Ethyl Acetate	3.630	3.278	9.7	87	0.02
26	T	Hexane	1.402	1.241	11.5	86	0.02
27	T	Carbon Disulfide	1.503	1.135	24.5	73	0.02
28	T	Methyl tert-Butyl Ether	0.873	0.675	22.7	75	0.02
29	T	Chloroform	2.052	1.824	11.1	87	0.02
30	T	Cyclohexane	1.217	1.006	17.3	80	0.03
31	T	cis-1,2-Dichloroethene	1.423	1.208	15.1	81	0.02
32	T	1,1,1-Trichloroethane	2.349	1.810	22.9	81	0.03
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.04
34	T	2-Butanone	0.725	0.694	4.3	87	0.02
35	T	Carbon Tetrachloride	0.781	0.695	11.0	83	0.03
36	T	Benzene	0.991	0.928	6.4	83	0.03
37	T	1,2-Dichloroethane	0.568	0.524	7.7	82	0.03
38	T	Trichloroethene	0.414	0.377	8.9	84	0.04
39	T	1,2-Dichloropropane	0.361	0.332	8.0	83	0.04
40	T	1,4-Dioxane	0.192	0.158	17.7	78	0.05
41	T	Tetrahydrofuran	0.418	0.397	5.0	84	0.03
42	T	Bromodichloromethane	0.782	0.729	6.8	80	0.04
43		Methyl Methacrylate	0.420	0.340	19.0	71	0.05
44	T	2,2,4-Trimethylpentane	1.675	1.593	4.9	83	0.04
45	T	t-1,3-Dichloropropene	0.450	0.330	26.7	63	0.05
46	T	cis-1,3-Dichloropropene	0.552	0.447	19.0	68	0.05
47	T	1,1,2-Trichloroethane	0.382	0.357	6.5	82	0.05
48	T	Dibromochloromethane	0.647	0.596	7.9	79	0.05

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042326.D
Acq On : 15 Apr 2025 11:30
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: Apr 16 01:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.581	0.522	10.2	75	0.04
50	T	4-Methyl-2-Pentanone	1.149	0.969	15.7	79	0.05
51	T	2-Hexanone	0.944	0.773	18.1	77	0.04
52	T	Tetrachloroethene	0.393	0.316	19.6	77	0.04
53	T	Toluene	1.175	1.010	14.0	75	0.05
54	T	1,2-Dibromoethane	0.532	0.481	9.6	80	0.04
55	I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.04
56		1,1,1,2-Tetrachloroethane	0.550	0.520	5.5	81	0.04
57	T	Chlorobenzene	0.949	0.912	3.9	83	0.04
58	T	Ethyl Benzene	1.776	1.555	12.4	74	0.03
59	T	m/p-Xylene	1.418	1.292	8.9	77	0.03
60	T	o-Xylene	1.422	1.285	9.6	77	0.03
61	T	Styrene	0.703	0.596	15.2	69	0.03
62		Isopropylbenzene	2.126	1.931	9.2	78	0.03
63	T	1,1,2,2-Tetrachloroethane	0.864	0.835	3.4	83	0.03
64		n-propylbenzene	0.547	0.517	5.5	82	0.03
65		tert-Butylbenzene	1.966	1.752	10.9	80	0.03
66	T	Benzyl Chloride	0.209	0.132	36.8#	52	0.03
67		sec-Butylbenzene	2.733	2.494	8.7	82	0.03
68	S	1-Bromo-4-Fluorobenzene	0.821	0.792	3.5	77	0.03
69		p-Isopropyltoluene	2.354	2.103	10.7	80	0.02
70		n-Butylbenzene	2.407	2.149	10.7	80	0.03
71		2-Chlorotoluene	1.650	1.457	11.7	75	0.03
72	T	4-Ethyltoluene	1.770	1.598	9.7	78	0.03
73	T	1,3,5-Trimethylbenzene	1.546	1.355	12.4	77	0.03
74	T	1,2,4-Trimethylbenzene	1.781	1.515	14.9	79	0.02
75	T	1,3-Dichlorobenzene	0.977	0.927	5.1	83	0.03
76	T	1,4-Dichlorobenzene	0.972	0.924	4.9	82	0.03
77	T	1,2-Dichlorobenzene	0.951	0.923	2.9	86	0.03
78	T	Hexachloro-1,3-Butadiene	0.968	0.758	21.7	75	0.02
79	T	Naphthalene	1.948	1.849	5.1	81	0.02
80	T	Naphthalene,2-methyl-	0.955	0.888	7.0	71	0.02
81	T	1,2,4-Trichlorobenzene	0.899	0.819	8.9	75	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042327.D
Acq On : 15 Apr 2025 12:12
Operator : SY/MD
Sample : VL0415ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABL01

Quant Time: Apr 16 01:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

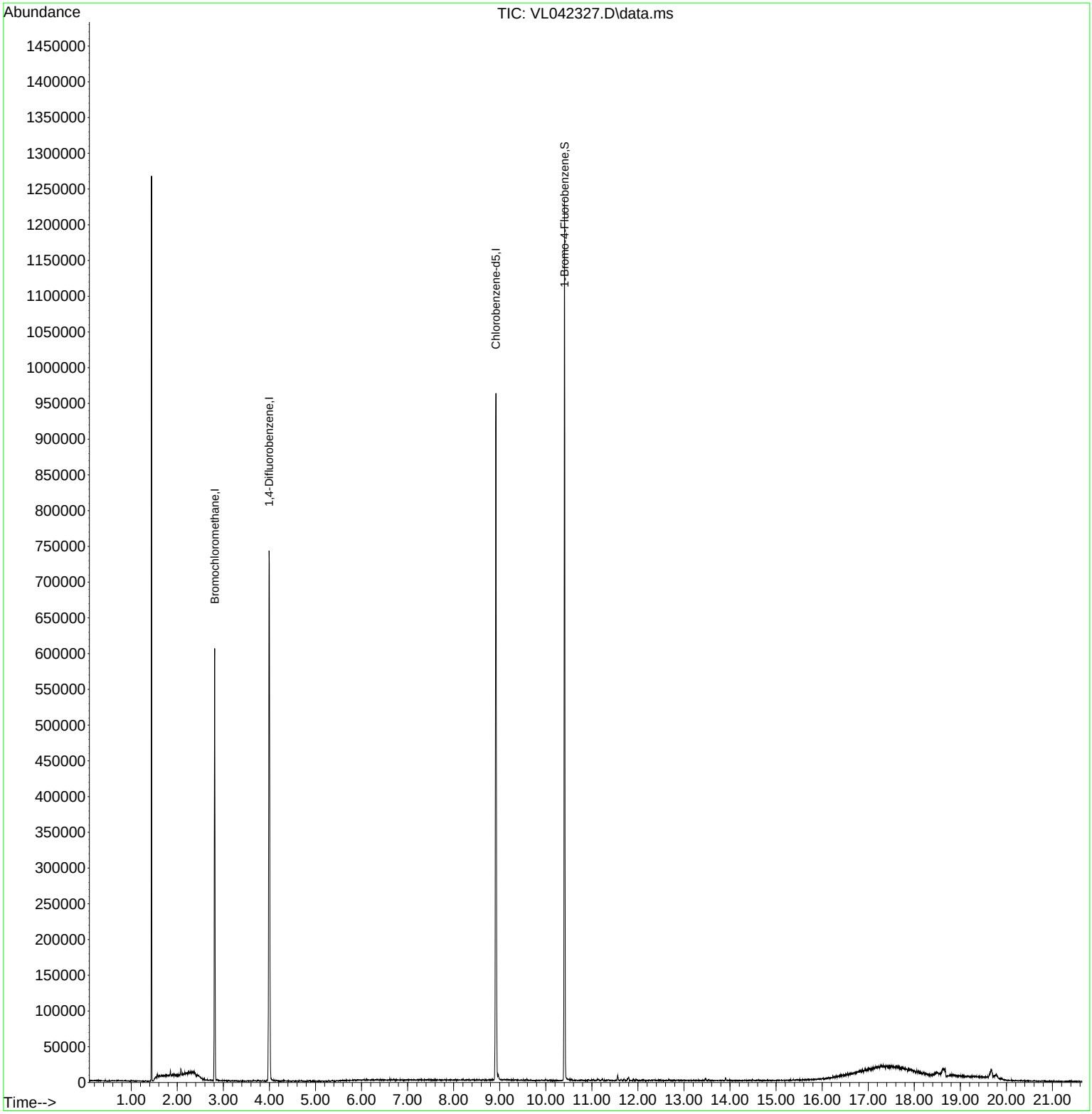
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.813	49	173729	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	447320	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.917	117	385318	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	292759	9.252	ppbv	0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042327.D
Acq On : 15 Apr 2025 12:12
Operator : SY/MD
Sample : VL0415ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABL01

Quant Time: Apr 16 01:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042328.D
Acq On : 15 Apr 2025 12:54
Operator : SY/MD
Sample : VL0415ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:30:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.810	49	171986	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	444595	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.917	117	399604	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	318902	9.718	ppbv	0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.509	85	214241	8.437	ppbv	99
3) Chlorodifluoromethane	1.486	51	234966	9.058	ppbv	97
4) Chloromethane	1.541	50	88230	8.502	ppbv	98
5) Vinyl Chloride	1.589	62	82221	7.476	ppbv	94
6) Bromomethane	1.680	94	36050	7.665	ppbv	100
7) Chloroethane	1.716	64	33039	7.931	ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	178173	8.239	ppbv	95
9) Propene	1.492	41	94136	7.917	ppbv	99
10) Heptane	5.027	43	267288	8.451	ppbv	99
11) Trichlorofluoromethane	1.890	101	201665	8.162	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.156	101	154306	7.598	ppbv	98
13) Ethanol	1.732	45	4407	3.921	ppbv	97
14) Bromoethene	1.793	108	57635	7.408	ppbv	99
15) Acetone	1.848	43	178724	7.430	ppbv	96
16) 1,3-Butadiene	1.619	39	89479	7.617	ppbv	96
17) tert-Butyl alcohol	2.055	59	202421	6.757	ppbv	99
18) 1,1-Dichloroethene	2.049	96	69013	7.269	ppbv	97
19) Isopropyl Alcohol	1.900	45	100289	7.390	ppbv	97
20) Methylene Chloride	2.075	84	60054	6.704	ppbv	88
21) Allyl Chloride	2.111	41	127800	7.534	ppbv	98
22) trans-1,2-Dichloroethene	2.360	96	78991	7.198	ppbv	98
23) Vinyl Acetate	2.483	43	64777	6.222	ppbv	98
24) 1,1-Dichloroethane	2.428	63	168373	8.277	ppbv	99
25) Ethyl Acetate	2.861	43	545140	8.732	ppbv	99
26) Hexane	2.848	57	205629	8.528	ppbv	97
27) Carbon Disulfide	2.166	76	191388	7.402	ppbv	99
28) Methyl tert-Butyl Ether	2.460	73	107667	7.172	ppbv	96
29) Chloroform	2.874	83	309262	8.763	ppbv	100
30) Cyclohexane	3.891	84	165914	7.924	ppbv	98
31) cis-1,2-Dichloroethene	2.742	61	197651	8.074	ppbv	99
32) 1,1,1-Trichloroethane	3.395	97	304143	7.528	ppbv	97
34) 2-Butanone	2.580	43	300576	9.323	ppbv	98
35) Carbon Tetrachloride	3.797	117	314849	9.065	ppbv	99
36) Benzene	3.690	78	407959	9.256	ppbv	98
37) 1,2-Dichloroethane	3.247	62	235609	9.337	ppbv	99
38) Trichloroethene	4.590	130	164664	8.954	ppbv	96
39) 1,2-Dichloropropane	4.354	63	149260	9.299	ppbv	97
40) 1,4-Dioxane	4.625	88	68773	8.072	ppbv #	95
41) Tetrahydrofuran	3.082	42	173776	9.361	ppbv	95
42) Bromodichloromethane	4.532	83	327497	9.414	ppbv	99
43) Methyl Methacrylate	4.930	69	151531	8.121	ppbv	98
44) 2,2,4-Trimethylpentane	4.680	57	707832	9.503	ppbv	98
45) t-1,3-Dichloropropene	6.470	75	143714	7.179	ppbv	91

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042328.D
Acq On : 15 Apr 2025 12:54
Operator : SY/MD
Sample : VL0415ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:30:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.658	75	192419	7.841	ppbv		96
47) 1,1,2-Trichloroethane	6.635	97	163251	9.621	ppbv		98
48) Dibromochloromethane	7.428	129	266192	9.256	ppbv		100
49) Bromoform	9.519	173	236686	9.168	ppbv		99
50) 4-Methyl-2-Pentanone	5.807	43	429988	8.416	ppbv		95
51) 2-Hexanone	7.480	43	344172	8.203	ppbv	#	96
52) Tetrachloroethene	8.263	164	139845	8.000	ppbv		95
53) Toluene	6.978	91	447178	8.559	ppbv		99
54) 1,2-Dibromoethane	7.694	107	214982	9.089	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.959	131	216770	9.855	ppbv		98
57) Chlorobenzene	8.956	112	369132	9.739	ppbv		95
58) Ethyl Benzene	9.390	91	618669	8.716	ppbv		100
59) m/p-Xylene	9.584	91	1049238m	18.512	ppbv		
60) o-Xylene	9.995	91	517471	9.107	ppbv		96
61) Styrene	9.904	104	229601	8.168	ppbv		97
62) Isopropylbenzene	10.568	105	785673	9.247	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.995	83	351308	10.176	ppbv		99
64) n-propylbenzene	11.018	120	210294	9.615	ppbv		98
65) tert-Butylbenzene	11.558	119	718948	9.149	ppbv		97
66) Benzyl Chloride	11.642	91	55150	6.614	ppbv		99
67) sec-Butylbenzene	11.795	105	1018861	9.328	ppbv		100
69) p-Isopropyltoluene	11.950	119	863264	9.179	ppbv		99
70) n-Butylbenzene	12.306	91	891883	9.273	ppbv		99
71) 2-Chlorotoluene	10.930	91	590408	8.953	ppbv		99
72) 4-Ethyltoluene	11.150	105	652962	9.230	ppbv		98
73) 1,3,5-Trimethylbenzene	11.231	105	559451	9.055	ppbv		100
74) 1,2,4-Trimethylbenzene	11.565	105	632271	8.883	ppbv		97
75) 1,3-Dichlorobenzene	11.633	146	381882	9.782	ppbv		98
76) 1,4-Dichlorobenzene	11.697	146	383116	9.861	ppbv		98
77) 1,2-Dichlorobenzene	11.973	146	386768	10.175	ppbv		98
78) Hexachloro-1,3-Butadiene	13.905	225	314860	8.138	ppbv		100
79) Naphthalene	13.539	128	777722	9.989	ppbv		99
80) Naphthalene,2-methyl-	14.481	142	375541	9.836	ppbv		98
81) 1,2,4-Trichlorobenzene	13.465	180	343011	9.551	ppbv		99

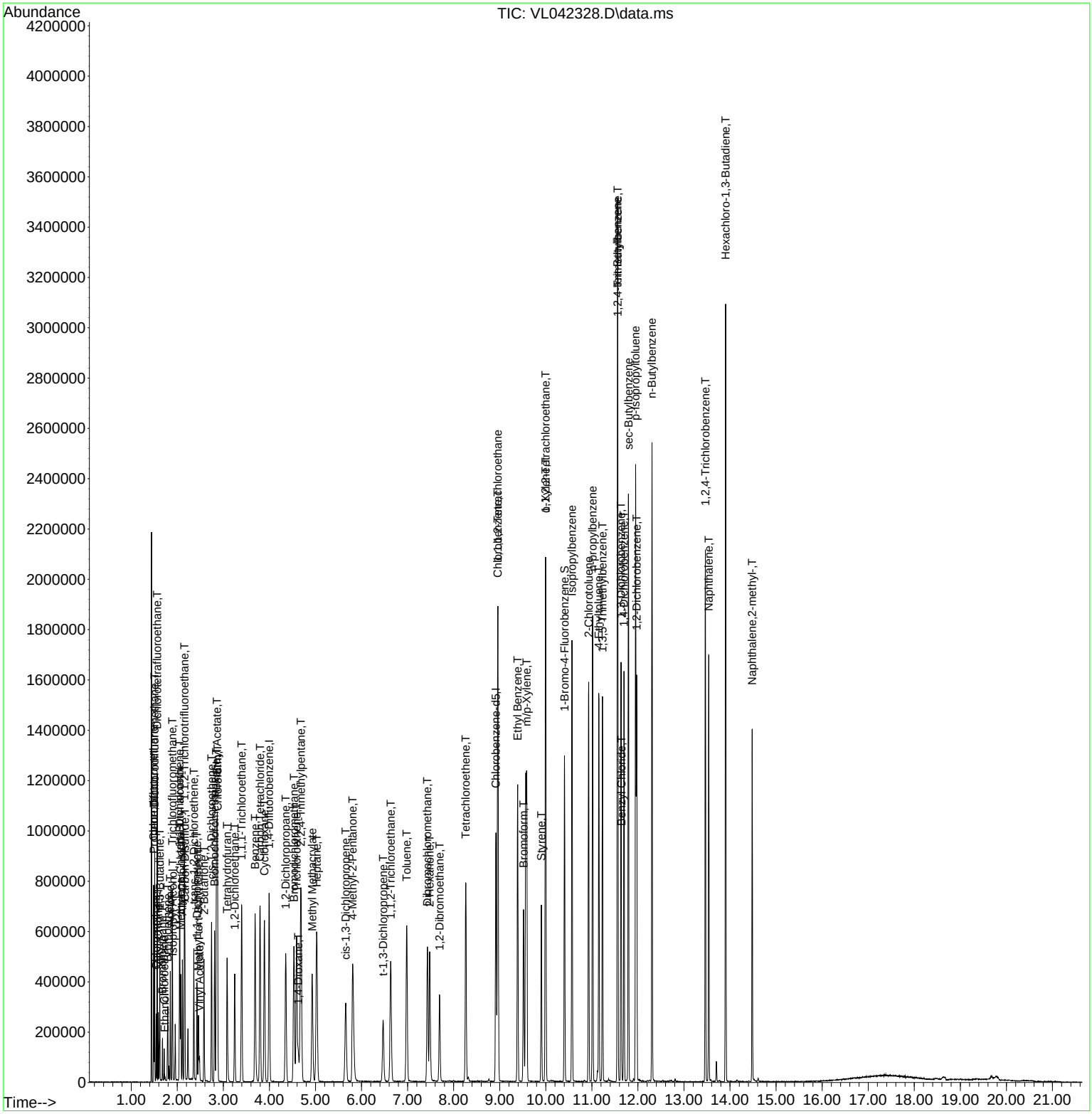
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042328.D
Acq On : 15 Apr 2025 12:54
Operator : SY/MD
Sample : VL0415ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 16 01:30:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0415ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042330.D
Acq On : 15 Apr 2025 13:57
Operator : SY/MD
Sample : QC041425 CAN 10401
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

Quant Time: Apr 16 01:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

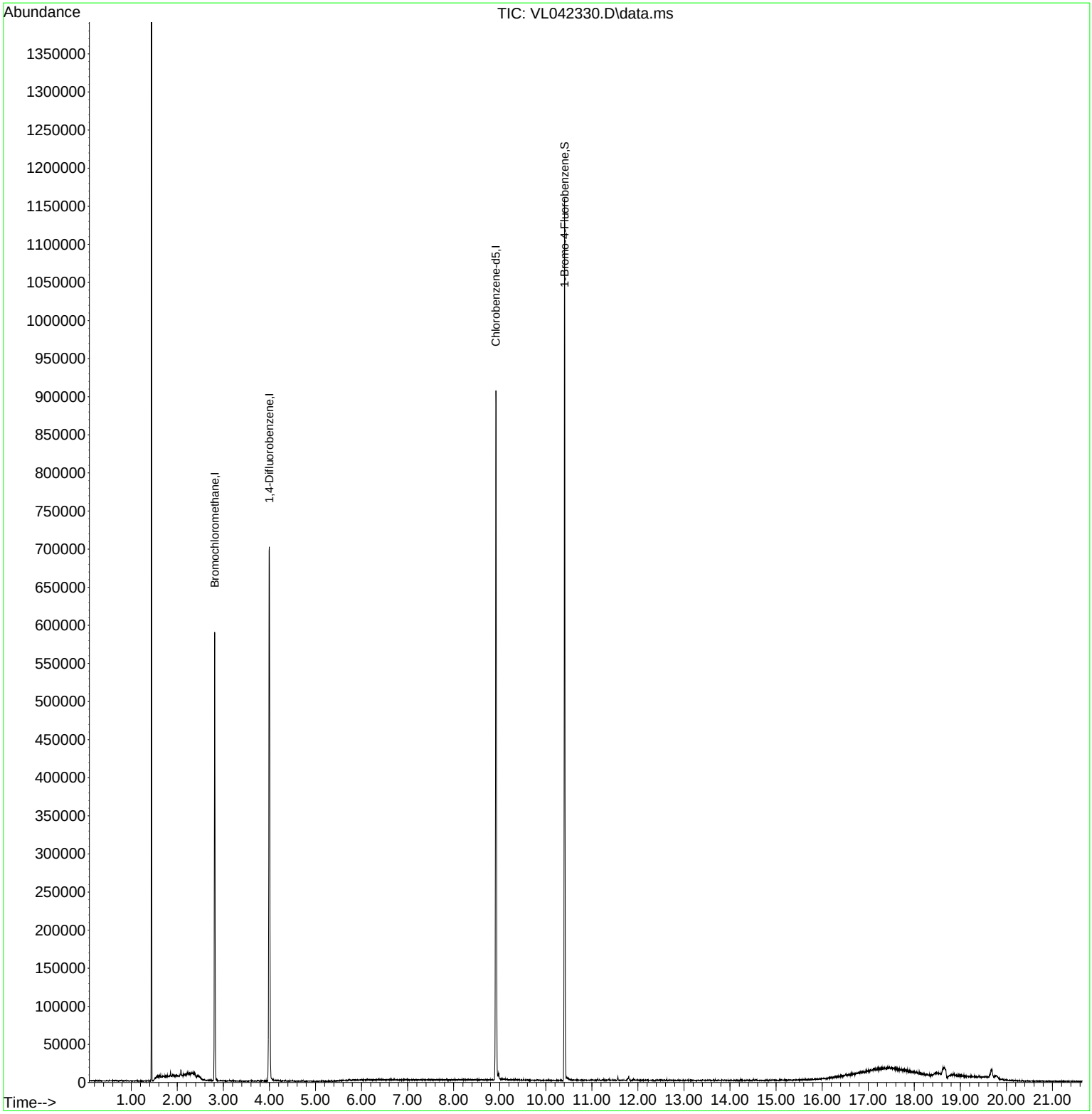
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.813	49	162884	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.997	114	405181	10.000	ppbv	0.05
55) Chlorobenzene-d5	8.917	117	353699	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	273327	9.410	ppbv	0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.100%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
Data File : VL042330.D
Acq On : 15 Apr 2025 13:57
Operator : SY/MD
Sample : QC041425 CAN 10401
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC041425 CAN 10401

Quant Time: Apr 16 01:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042171.D	27 Mar 2025 07:44	SY/MD	Ok
2	VSTDICCC010	VL042172.D	27 Mar 2025 08:26	SY/MD	Ok,M
3	VSTDICC002	VL042173.D	27 Mar 2025 08:59	SY/MD	Ok,M
4	VSTDICC001	VL042174.D	27 Mar 2025 09:30	SY/MD	Ok,M
5	VSTDICC0.5	VL042175.D	27 Mar 2025 10:01	SY/MD	Ok,M
6	VSTDICC0.1	VL042176.D	27 Mar 2025 10:32	SY/MD	Ok,M
7	VSTDICC0.03	VL042177.D	27 Mar 2025 11:03	SY/MD	Ok,M
8	VSTDICC015	VL042178.D	27 Mar 2025 11:36	SY/MD	Ok,M
9	VSTDICV010	VL042179.D	27 Mar 2025 12:23	SY/MD	Ok,M
10	VL0327ABL01	VL042180.D	27 Mar 2025 13:50	SY/MD	Ok
11	VL0327ABS01	VL042181.D	27 Mar 2025 14:39	SY/MD	Ok,M
12	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41	SY/MD	Ok
13	Q1649-01	VL042183.D	27 Mar 2025 17:13	SY/MD	Not Ok
14	Q1649-02	VL042184.D	27 Mar 2025 17:45	SY/MD	Not Ok
15	Q1669-01	VL042185.D	27 Mar 2025 18:22	SY/MD	Dilution
16	Q1669-02	VL042186.D	27 Mar 2025 18:59	SY/MD	Ok,M
17	Q1669-03	VL042187.D	27 Mar 2025 19:36	SY/MD	Ok,M
18	Q1669-04	VL042188.D	27 Mar 2025 20:12	SY/MD	Ok,M
19	Q1669-09	VL042189.D	27 Mar 2025 20:48	SY/MD	Ok,M
20	Q1669-09DUP	VL042190.D	27 Mar 2025 21:24	SY/MD	Ok,M
21	Q1669-05	VL042191.D	27 Mar 2025 21:57	SY/MD	Not Ok

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1669-07DL	VL042192.D	27 Mar 2025 22:29	SY/MD	Ok,M
23	Q1669-08	VL042193.D	27 Mar 2025 23:01	SY/MD	Not Ok
24	VIBLK	VL042194.D	27 Mar 2025 23:34	SY/MD	Ok
25	Q1669-01DL	VL042195.D	28 Mar 2025 00:06	SY/MD	Ok,M
26	Q1669-01DUP	VL042196.D	28 Mar 2025 00:44	SY/MD	Ok,M
27	Q1669-05	VL042197.D	28 Mar 2025 01:20	SY/MD	Ok,M
28	Q1669-07	VL042198.D	28 Mar 2025 01:57	SY/MD	Dilution
29	Q1669-08	VL042199.D	28 Mar 2025 02:33	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040425

Review By	Semsettin Yesilyurt	Review On	4/7/2025 1:45:32 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/8/2025 1:55:16 AM				
SubDirectory	VL040425	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2591
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2591
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042214.D	04 Apr 2025 08:05	SY/MD	Ok
2	VSTDCCC010	VL042215.D	04 Apr 2025 08:58	SY/MD	Ok,M
3	VL0404ABL01	VL042216.D	04 Apr 2025 09:41	SY/MD	Ok
4	QC040125 CAN 10258	VL042217.D	04 Apr 2025 10:13	SY/MD	Ok
5	QC040325 CAN 10401	VL042218.D	04 Apr 2025 10:44	SY/MD	Ok
6	QC040325 CAN 10300	VL042219.D	04 Apr 2025 11:16	SY/MD	Ok
7	VL0404ABS01	VL042220.D	04 Apr 2025 11:55	SY/MD	Ok,M
8	Q1691-01	VL042221.D	04 Apr 2025 12:46	SY/MD	Ok,M
9	Q1691-01DUP	VL042222.D	04 Apr 2025 13:20	SY/MD	Ok,M
10	Q1691-01DL	VL042223.D	04 Apr 2025 13:51	SY/MD	Not Ok
11	Q1691-02	VL042224.D	04 Apr 2025 14:26	SY/MD	Ok,M
12	Q1691-03	VL042225.D	04 Apr 2025 15:50	SY/MD	Ok,M
13	Q1691-04	VL042226.D	04 Apr 2025 16:24	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 # VL041025

Review By	Semsettin Yesilyurt	Review On	4/11/2025 8:15:54 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/11/2025 2:00:08 PM				
SubDirectory	VL041025	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2591
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2591
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042299.D	10 Apr 2025 08:46	SY/MD	Ok
2	VSTDCCC010	VL042300.D	10 Apr 2025 09:27	SY/MD	Ok,M
3	VL0410ABL01	VL042301.D	10 Apr 2025 10:11	SY/MD	Ok
4	VL0410ABS01	VL042302.D	10 Apr 2025 11:05	SY/MD	Ok,M
5	Q1772-02	VL042303.D	10 Apr 2025 11:56	SY/MD	Ok,M
6	Q1772-02DUP	VL042304.D	10 Apr 2025 12:30	SY/MD	Ok,M
7	Q1772-01	VL042305.D	10 Apr 2025 13:01	SY/MD	Ok,M
8	QC040925 CAN 10604	VL042306.D	10 Apr 2025 13:49	SY/MD	Not Ok
9	QC040925 CAN 10604	VL042307.D	10 Apr 2025 14:20	SY/MD	Ok
10	QC040825 CAN 10445	VL042308.D	10 Apr 2025 14:51	SY/MD	Ok
11	CAN10197	VL042309.D	10 Apr 2025 15:23	SY/MD	Ok
12	CAN10607	VL042310.D	10 Apr 2025 15:54	SY/MD	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL041125

Review By	Semsettin Yesilyurt	Review On	4/16/2025 9:18:47 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/17/2025 1:40:37 PM				
SubDirectory	VL041125	HP Acquire Method	TO15AIR.M		HP Processing Method	VL032725AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2591
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2591
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042311.D	11 Apr 2025 08:18	SY/MD	Ok
2	VSTDCCC010	VL042312.D	11 Apr 2025 09:50	SY/MD	Ok,M
3	VL0411ABL01	VL042313.D	11 Apr 2025 10:36	SY/MD	Ok
4	VL0411ABS01	VL042314.D	11 Apr 2025 11:23	SY/MD	Ok,M
5	QC041025CAN 10596	VL042315.D	11 Apr 2025 12:08	SY/MD	Not Ok
6	QC041025CAN 10596	VL042316.D	11 Apr 2025 12:40	SY/MD	Ok
7	Q1665-03	VL042317.D	11 Apr 2025 13:15	SY/MD	Dilution
8	Q1665-03DUP	VL042318.D	11 Apr 2025 13:52	SY/MD	Ok,M
9	Q1665-10	VL042319.D	11 Apr 2025 14:27	SY/MD	Dilution
10	Q1665-11	VL042320.D	11 Apr 2025 15:01	SY/MD	Dilution
11	Q1665-18	VL042321.D	11 Apr 2025 15:36	SY/MD	Dilution
12	Q1665-03DL	VL042322.D	11 Apr 2025 16:08	SY/MD	Ok
13	Q1665-10DL	VL042323.D	11 Apr 2025 16:39	SY/MD	Dilution
14	Q1665-11DL	VL042324.D	11 Apr 2025 17:10	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 # VL041525

Review By	Semsettin Yesilyurt	Review On	4/16/2025 2:19:24 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/16/2025 3:47:46 PM				
SubDirectory	VL041525	HP Acquire Method	TO15AIR.M		HP Processing Method	VL032725AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2591
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2591
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042325.D	15 Apr 2025 07:45	SY/MD	Ok
2	VSTDCCC010	VL042326.D	15 Apr 2025 11:30	SY/MD	Ok,M
3	VL0415ABL01	VL042327.D	15 Apr 2025 12:12	SY/MD	Ok
4	VL0415ABS01	VL042328.D	15 Apr 2025 12:54	SY/MD	Ok,M
5	QC041425 CAN 10401	VL042329.D	15 Apr 2025 13:26	SY/MD	Not Ok
6	QC041425 CAN 10401	VL042330.D	15 Apr 2025 13:57	SY/MD	Ok
7	Q1665-18DL	VL042331.D	15 Apr 2025 14:29	SY/MD	Ok
8	Q1665-10DL2	VL042332.D	15 Apr 2025 15:01	SY/MD	Ok,M
9	Q1802-02	VL042333.D	15 Apr 2025 15:35	SY/MD	Ok,M
10	Q1802-02DUP	VL042334.D	15 Apr 2025 16:08	SY/MD	Ok,M
11	Q1802-03	VL042335.D	15 Apr 2025 16:42	SY/MD	Ok,M
12	Q1802-01	VL042336.D	15 Apr 2025 17:14	SY/MD	Dilution
13	Q1802-01DL	VL042337.D	15 Apr 2025 17:46	SY/MD	Not Ok
14	Q1802-01DL	VL042338.D	15 Apr 2025 18:21	SY/MD	Ok,M

M : Manual Integration

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	125455	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	366544	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	338126	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281013	10.114	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	207962	9.382	ppbv	100
3) Chlorodifluoromethane	1.476	51	197334	9.350	ppbv	100
4) Chloromethane	1.531	50	81843	9.330	ppbv	100
5) Vinyl Chloride	1.580	62	80068	8.385	ppbv	100
6) Bromomethane	1.667	94	38128	9.219	ppbv	100
7) Chloroethane	1.703	64	31705	9.182	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	179696	9.442	ppbv	100
9) Propene	1.483	41	86530	9.002	ppbv	100
10) Heptane	4.978	43	236341	9.138	ppbv	100
11) Trichlorofluoromethane	1.877	101	196596	9.327	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	160682	9.323	ppbv	100
13) Ethanol	1.719	45	4439	5.651	ppbv	100
14) Bromoethene	1.780	108	61493	9.466	ppbv	100
15) Acetone	1.835	43	158490	7.717	ppbv	100
16) 1,3-Butadiene	1.609	39	81688	8.470	ppbv	100
17) tert-Butyl alcohol	2.039	59	226280	8.891	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73186	8.833	ppbv	100
19) Isopropyl Alcohol	1.884	45	103029	9.031	ppbv	100
20) Methylene Chloride	2.062	84	62414	7.760	ppbv	100
21) Allyl Chloride	2.094	41	122115	8.611	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	83278	9.084	ppbv	100
23) Vinyl Acetate	2.460	43	69649	8.378	ppbv	100
24) 1,1-Dichloroethane	2.408	63	161102	9.251	ppbv	100
25) Ethyl Acetate	2.836	43	461315	9.110	ppbv	100
26) Hexane	2.826	57	178691	8.720	ppbv	100
27) Carbon Disulfide	2.149	76	209297	9.539	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	117924	8.783	ppbv	100
29) Chloroform	2.848	83	269088	9.290	ppbv	100
30) Cyclohexane	3.855	84	157035	9.517	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	183082	9.397	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	285336	9.187	ppbv	100
34) 2-Butanone	2.557	43	251704	8.683	ppbv	100
35) Carbon Tetrachloride	3.761	117	282402	8.513	ppbv	100
36) Benzene	3.654	78	367355	9.292	ppbv	100
37) 1,2-Dichloroethane	3.217	62	216999	9.145	ppbv	100
38) Trichloroethene	4.548	130	144767	8.352	ppbv	100
39) 1,2-Dichloropropane	4.311	63	135605	9.197	ppbv	100
40) 1,4-Dioxane	4.580	88	66662	8.348	ppbv #	100
41) Tetrahydrofuran	3.052	42	149905	8.950	ppbv	100
42) Bromodichloromethane	4.489	83	312268	9.456	ppbv	100
43) Methyl Methacrylate	4.881	69	157501	8.876	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	626085	9.157	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	168223	9.233	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

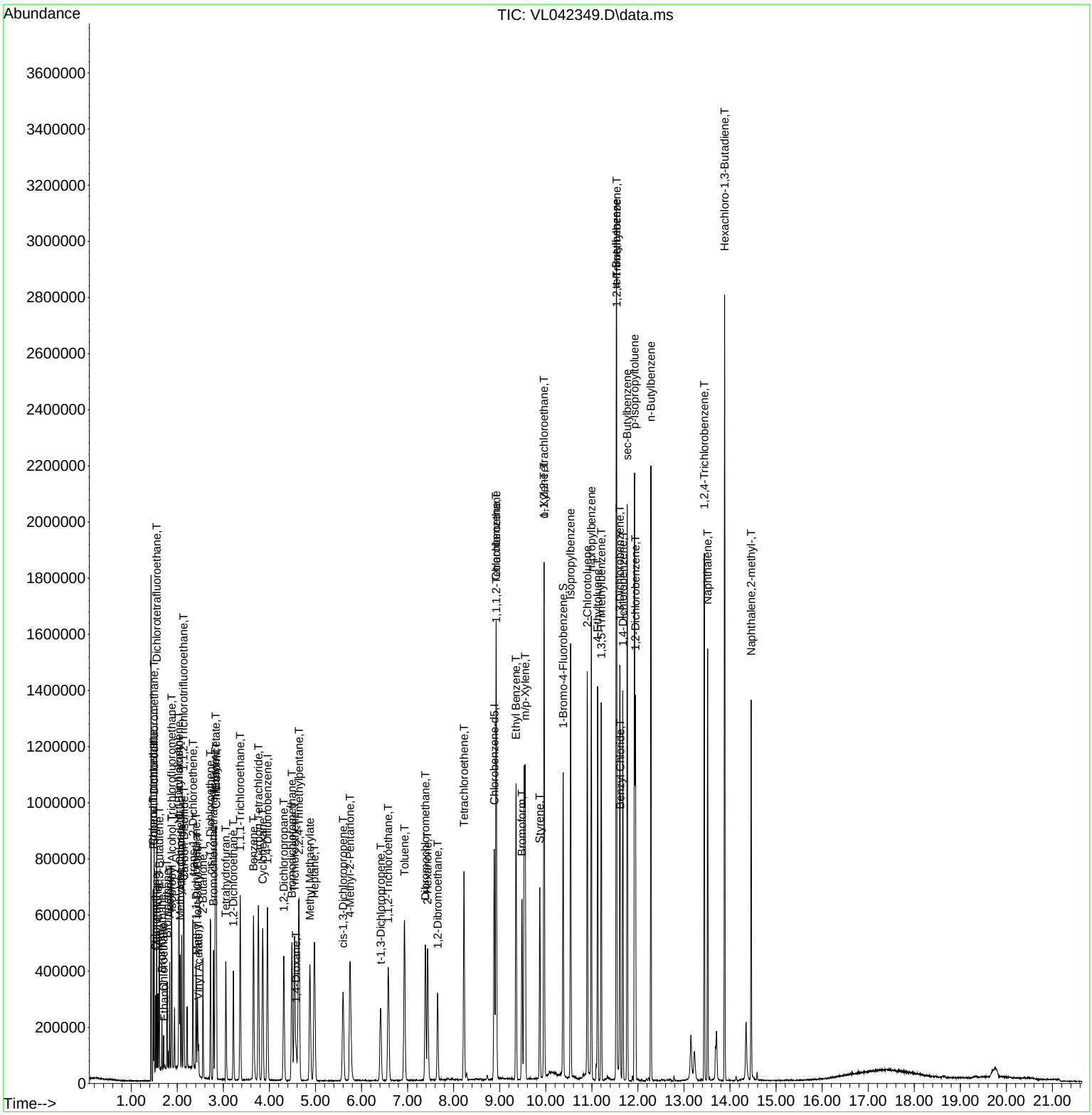
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	208811	9.377	ppbv		100
47) 1,1,2-Trichloroethane	6.580	97	137898	9.181	ppbv		100
48) Dibromochloromethane	7.386	129	248954	9.388	ppbv		100
49) Bromoform	9.480	173	225706	9.734	ppbv		100
50) 4-Methyl-2-Pentanone	5.752	43	396548	8.215	ppbv		100
51) 2-Hexanone	7.435	43	327165	7.511	ppbv		100
52) Tetrachloroethene	8.225	164	130720	8.553	ppbv		100
53) Toluene	6.933	91	437258	9.216	ppbv		100
54) 1,2-Dibromoethane	7.652	107	197665	9.235	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.927	131	186041	9.091	ppbv		100
57) Chlorobenzene	8.920	112	323084	9.187	ppbv		100
58) Ethyl Benzene	9.354	91	619581	9.248	ppbv		100
59) m/p-Xylene	9.552	91	449222	8.299	ppbv	#	19
60) o-Xylene	9.963	91	487616	8.972	ppbv		100
61) Styrene	9.869	104	245487	9.464	ppbv		100
62) Isopropylbenzene	10.539	105	733788	9.197	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	295041	8.355	ppbv		100
64) n-propylbenzene	10.989	120	183390	9.144	ppbv		100
65) tert-Butylbenzene	11.532	119	644953	8.795	ppbv		100
66) Benzyl Chloride	11.617	91	83269	10.333	ppbv		100
67) sec-Butylbenzene	11.769	105	900074	8.824	ppbv		100
69) p-Isopropyltoluene	11.927	119	778987	8.790	ppbv		100
70) n-Butylbenzene	12.283	91	801364	8.682	ppbv		100
71) 2-Chlorotoluene	10.901	91	573039	9.157	ppbv		100
72) 4-Ethyltoluene	11.125	105	596757	8.982	ppbv		100
73) 1,3,5-Trimethylbenzene	11.205	105	512855	8.743	ppbv		100
74) 1,2,4-Trimethylbenzene	11.539	105	565064	8.248	ppbv		100
75) 1,3-Dichlorobenzene	11.607	146	320380	8.997	ppbv		100
76) 1,4-Dichlorobenzene	11.672	146	319089	8.915	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	305822	8.832	ppbv		100
78) Hexachloro-1,3-Butadiene	13.882	225	291833	8.346	ppbv		100
79) Naphthalene	13.513	128	677578	8.271	ppbv		100
80) Naphthalene,2-methyl-	14.458	142	376995	8.074	ppbv		100
81) 1,2,4-Trichlorobenzene	13.442	180	306119	8.702	ppbv		100

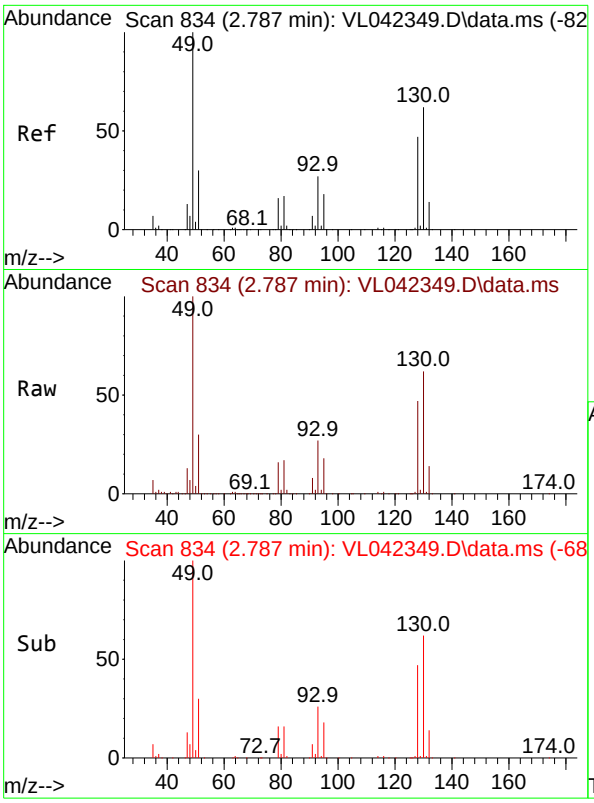
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042349.D
Acq On : 17 Apr 2025 09:44
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Apr 18 01:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



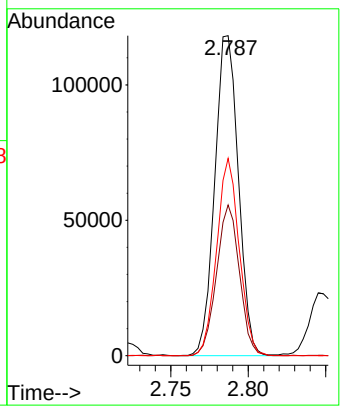


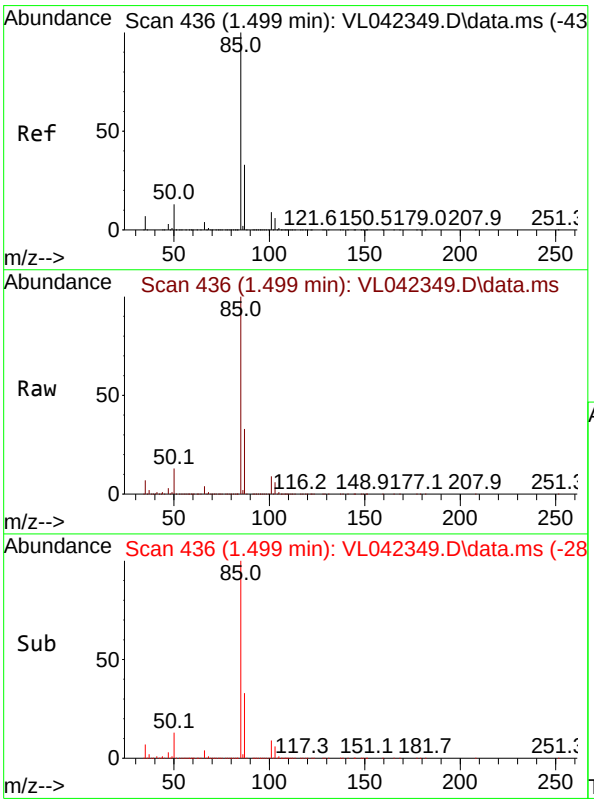
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 125455

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.8	68.4
130	58.7	29.3	88.0

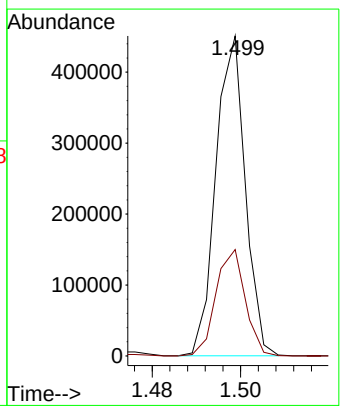


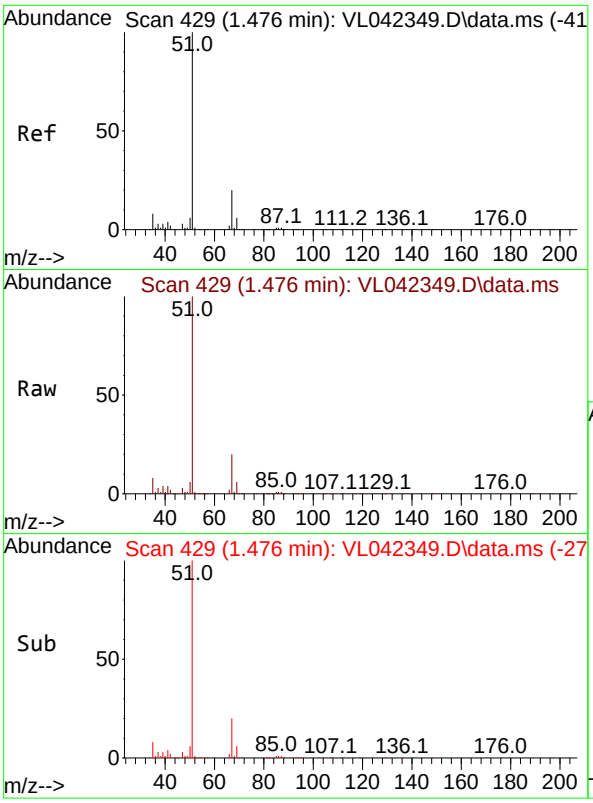


#2
Dichlorodifluoromethane
Concen: 9.382 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 85 Resp: 207962

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	39.8



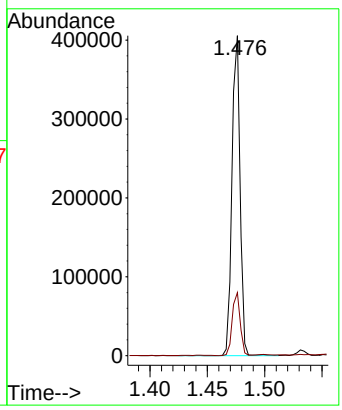


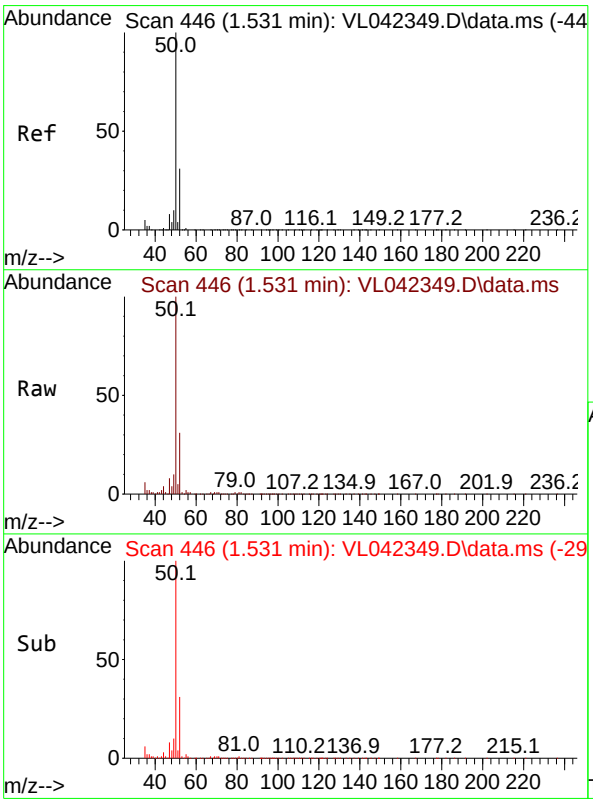
#3
Chlorodifluoromethane
Concen: 9.350 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 197334

Ion	Ratio	Lower	Upper
51	100		
67	20.3	16.2	24.4

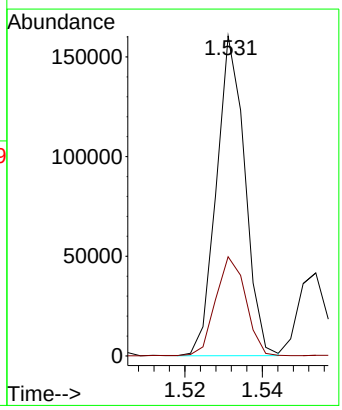


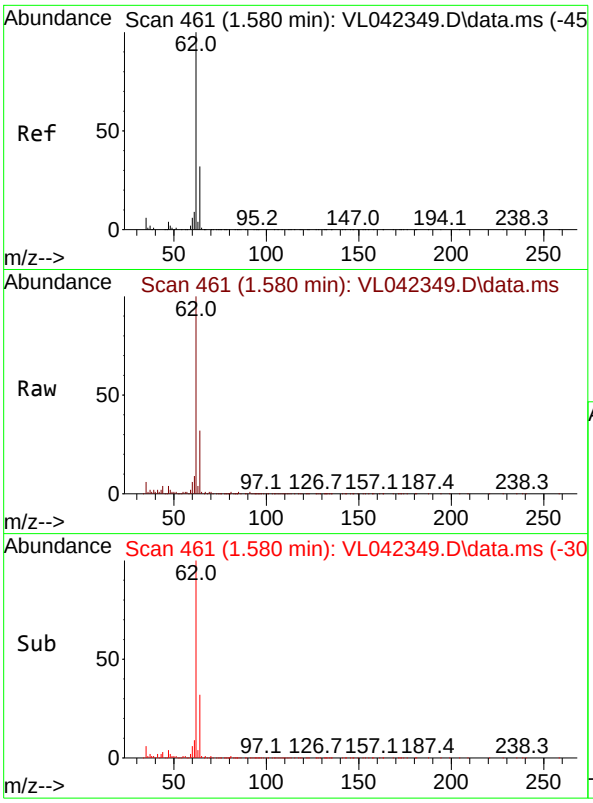


#4
Chloromethane
Concen: 9.330 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 50 Resp: 81843

Ion	Ratio	Lower	Upper
50	100		
52	30.9	24.7	37.1



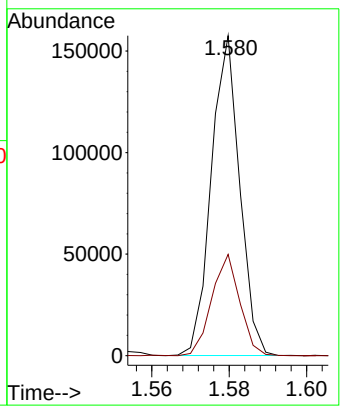


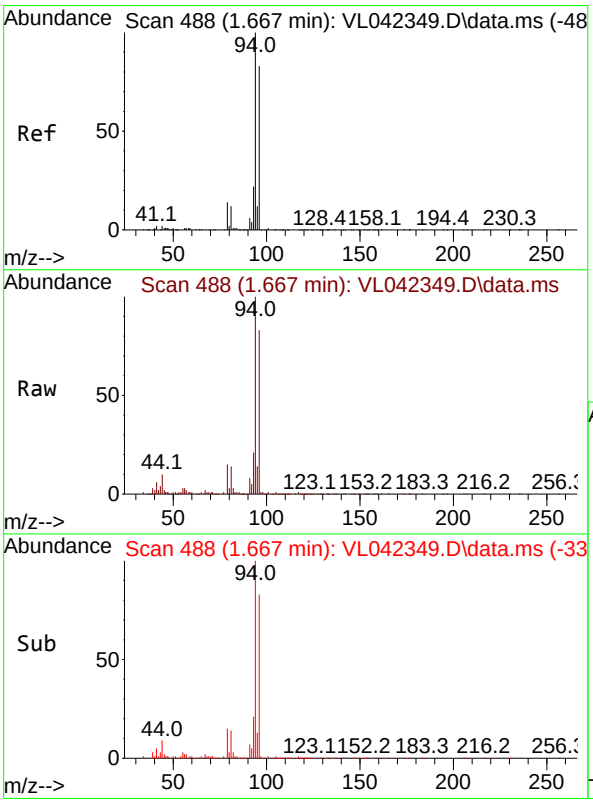
#5
Vinyl Chloride
Concen: 8.385 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 80068

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0

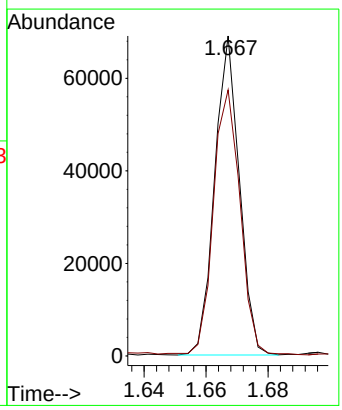


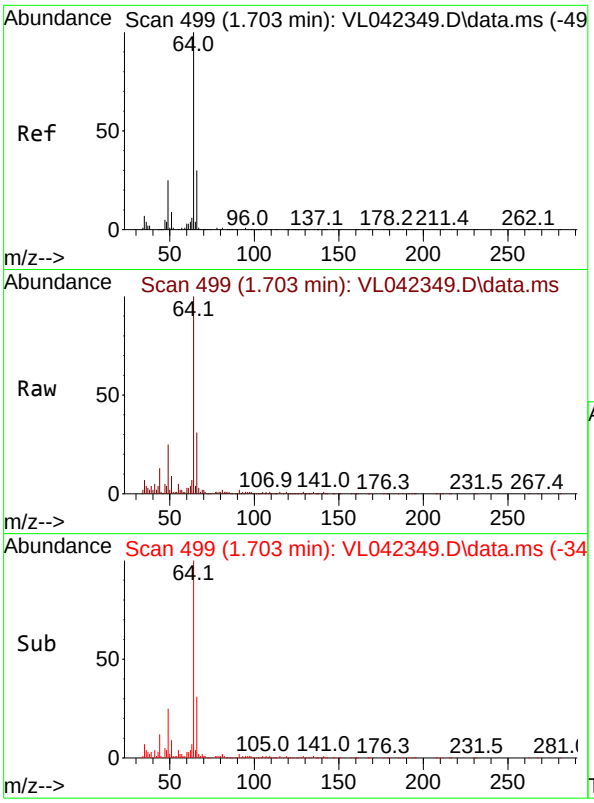


#6
Bromomethane
Concen: 9.219 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 94 Resp: 38128

Ion	Ratio	Lower	Upper
94	100		
96	82.7	66.2	99.2



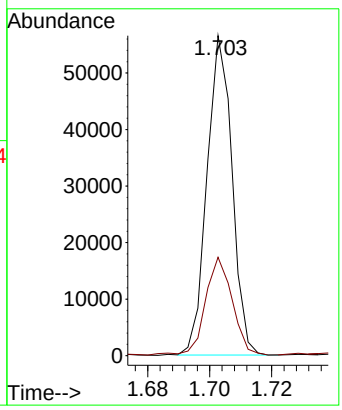


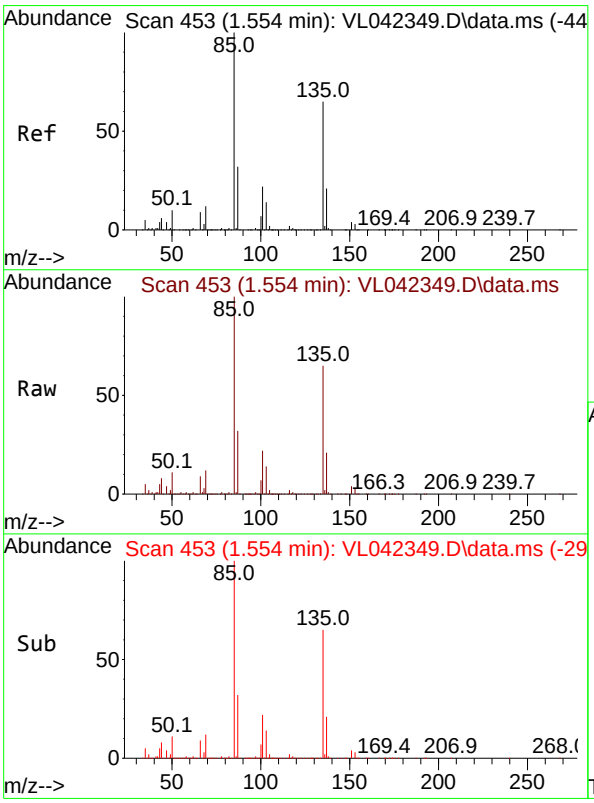
#7
Chloroethane
Concen: 9.182 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 31705

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.6	37.0

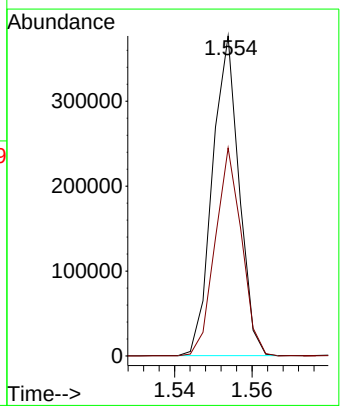


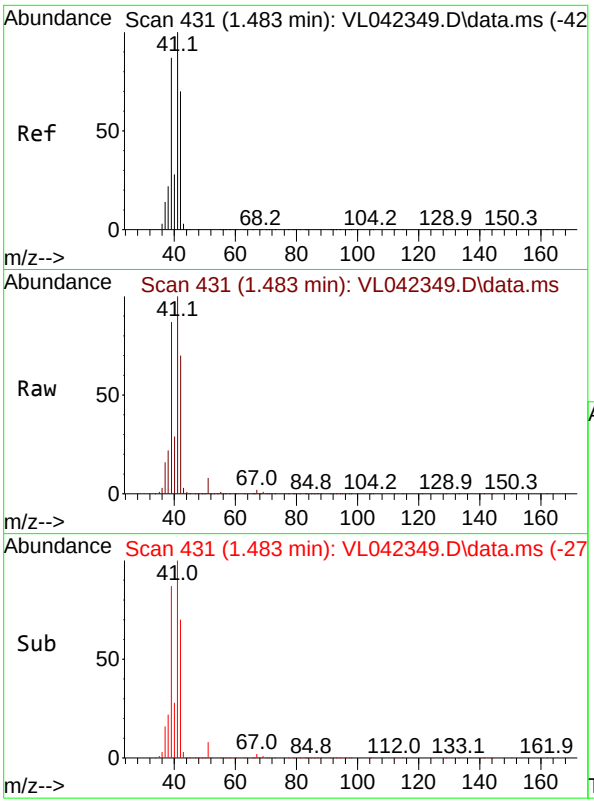


#8
Dichlorotetrafluoroethane
Concen: 9.442 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 85 Resp: 179696

Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.2	78.2



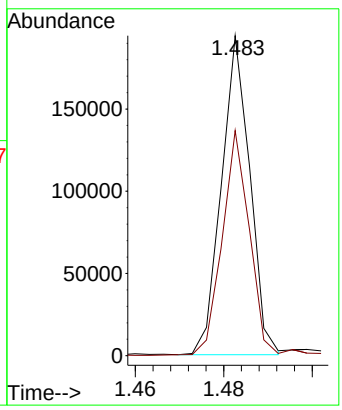


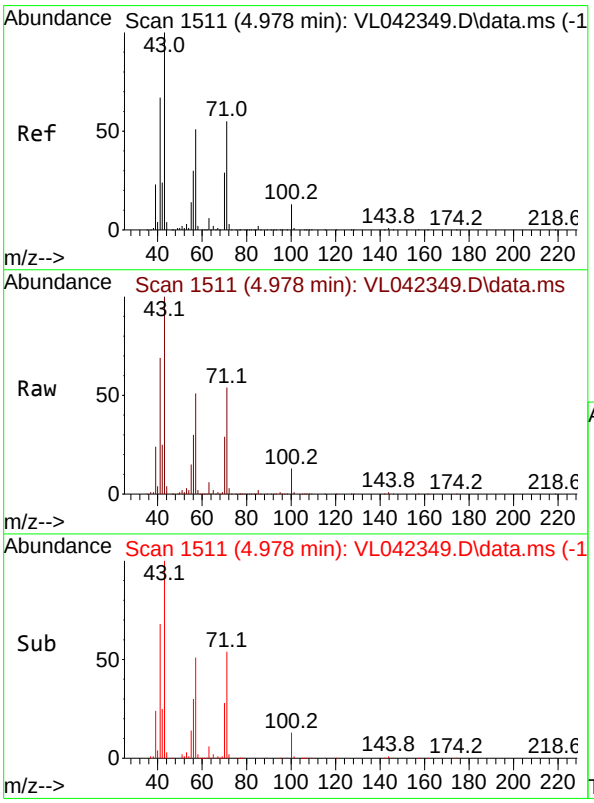
#9
Propene
Concen: 9.002 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 86530

Ion	Ratio	Lower	Upper
41	100		
42	70.3	56.2	84.4

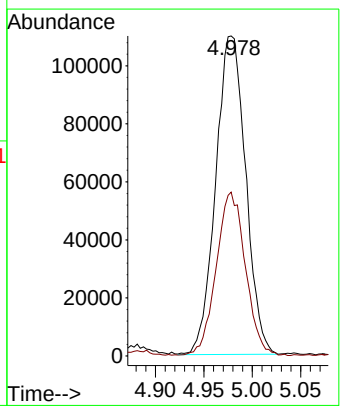


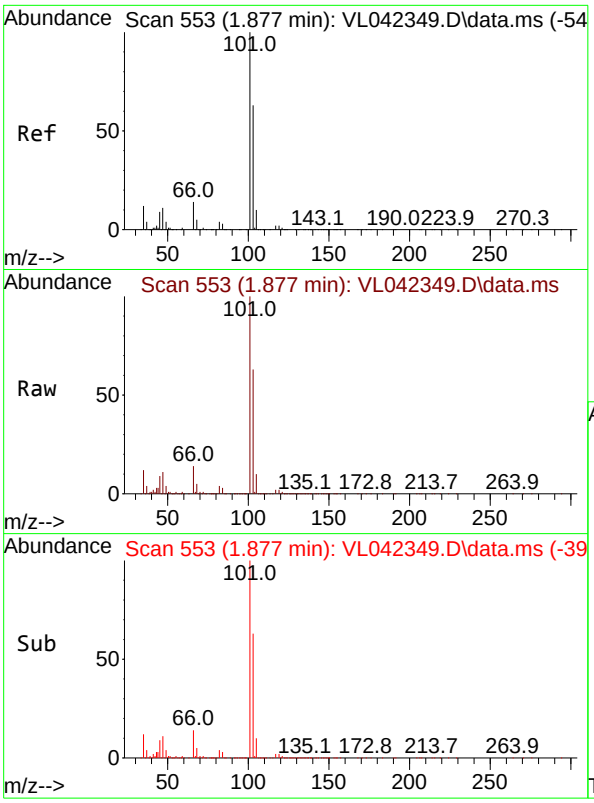


#10
Heptane
Concen: 9.138 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 236341

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.9	59.9



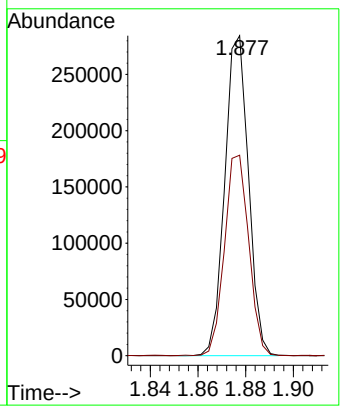


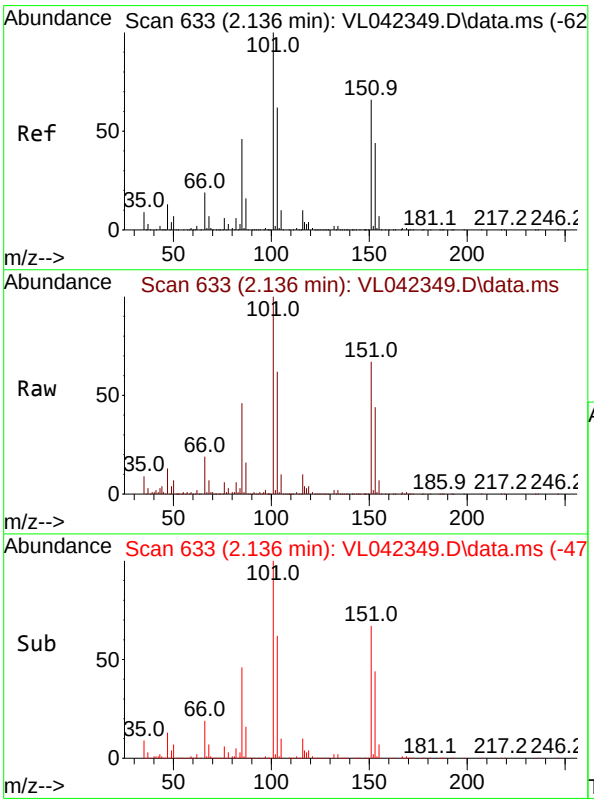
#11
Trichlorofluoromethane
Concen: 9.327 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 196596

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.1	75.1

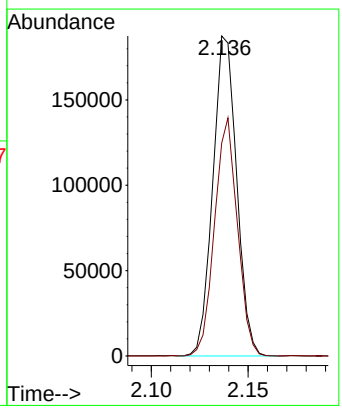


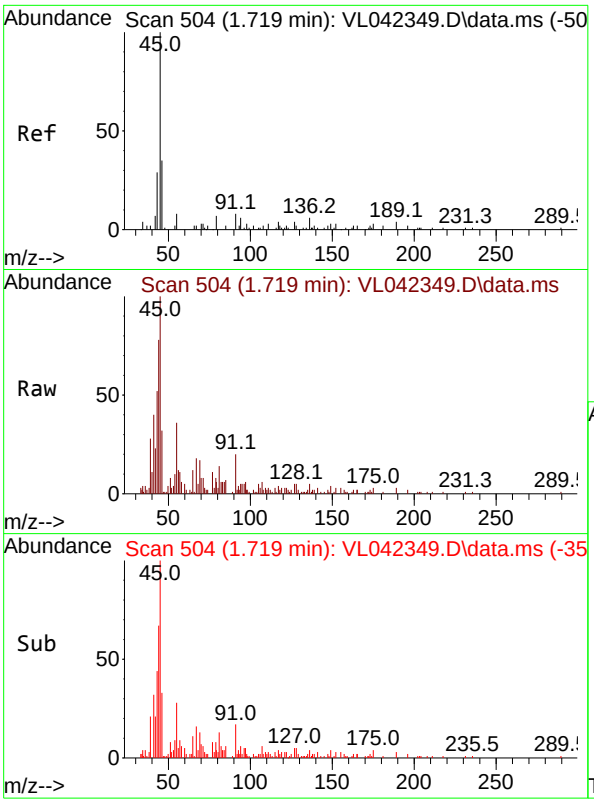


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.323 ppbv
RT: 2.136 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:101 Resp: 160682

Ion	Ratio	Lower	Upper
101	100		
151	71.3	57.0	85.6



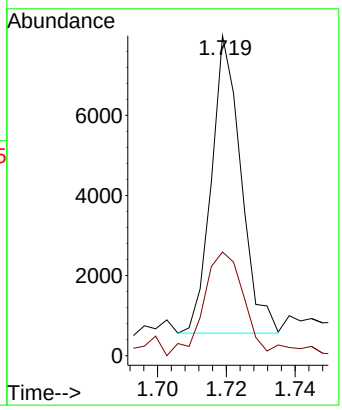


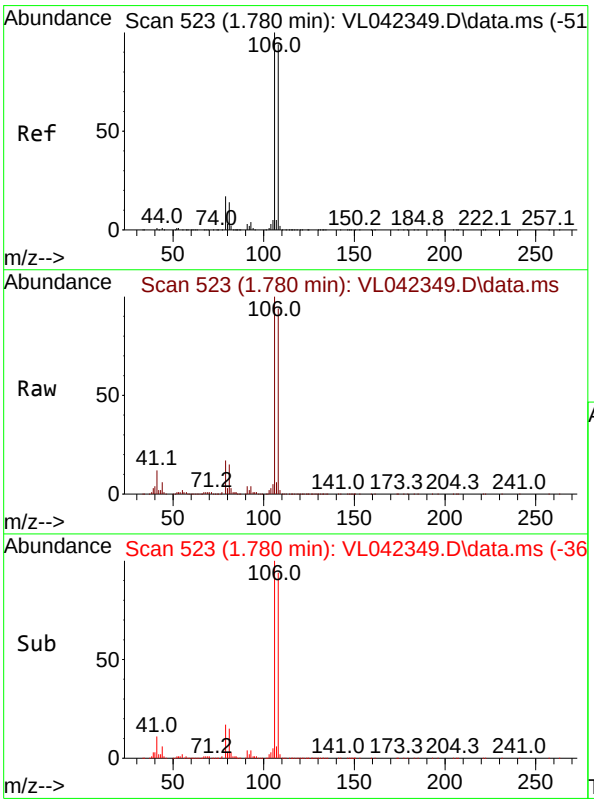
#13
Ethanol
Concen: 5.651 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 4439

Ion	Ratio	Lower	Upper
45	100		
46	54.8	21.9	87.7

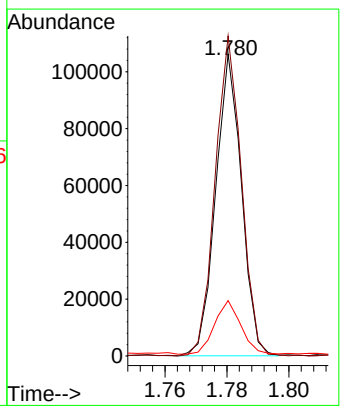


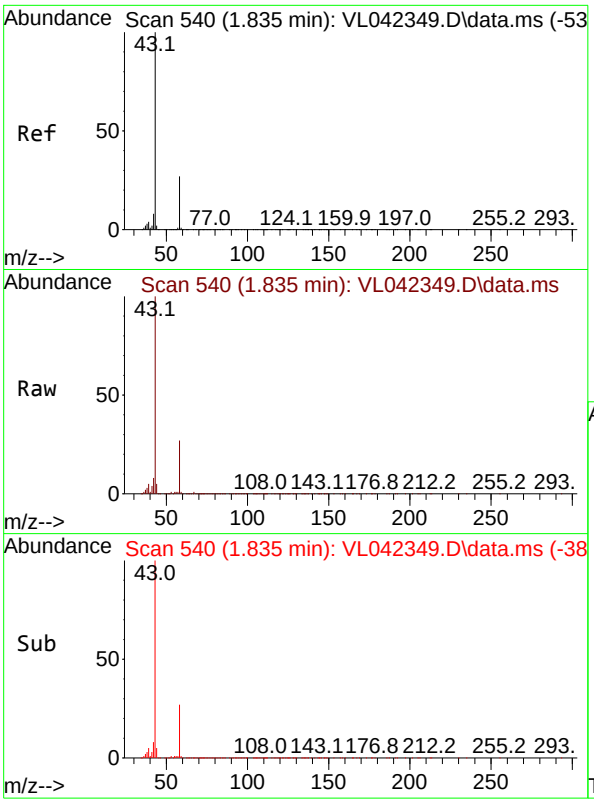


#14
Bromoethene
Concen: 9.466 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:108 Resp: 61493

Ion	Ratio	Lower	Upper
108	100		
106	107.4	85.9	128.9
79	17.4	13.9	20.9



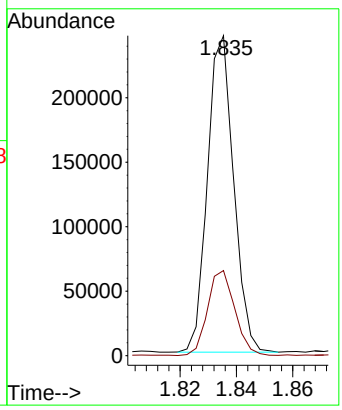


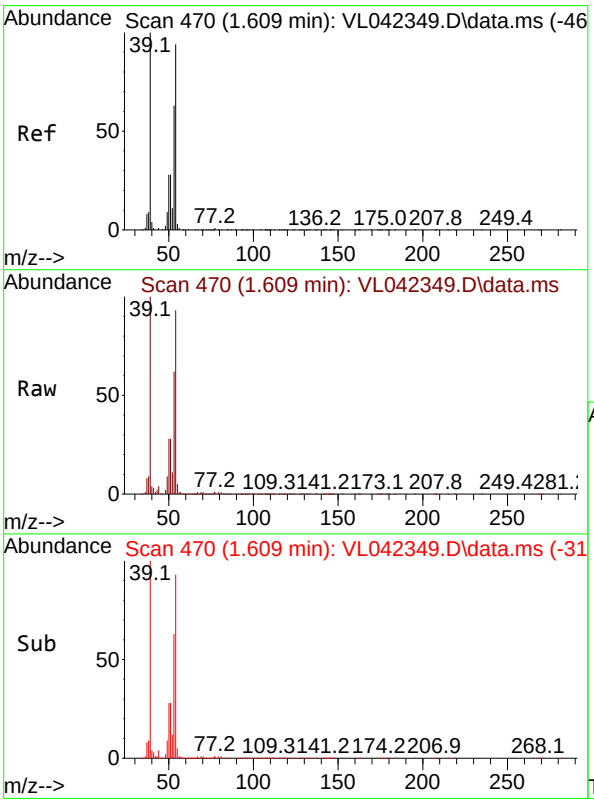
#15
Acetone
Concen: 7.717 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 158490

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6

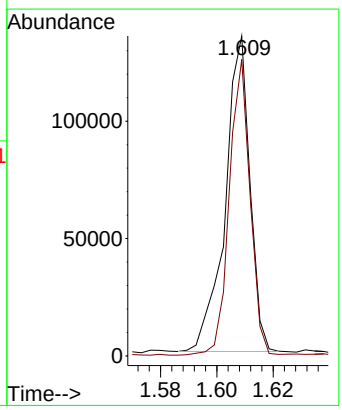


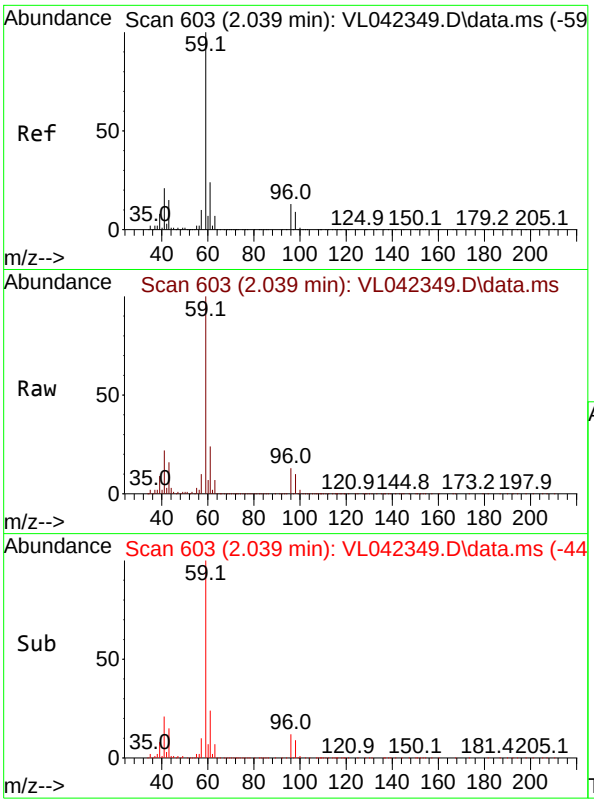


#16
1,3-Butadiene
Concen: 8.470 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 39 Resp: 81688

Ion	Ratio	Lower	Upper
39	100		
54	81.1	64.9	97.3



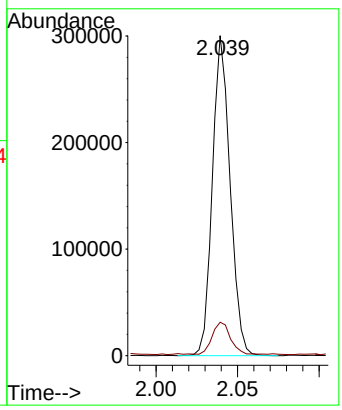


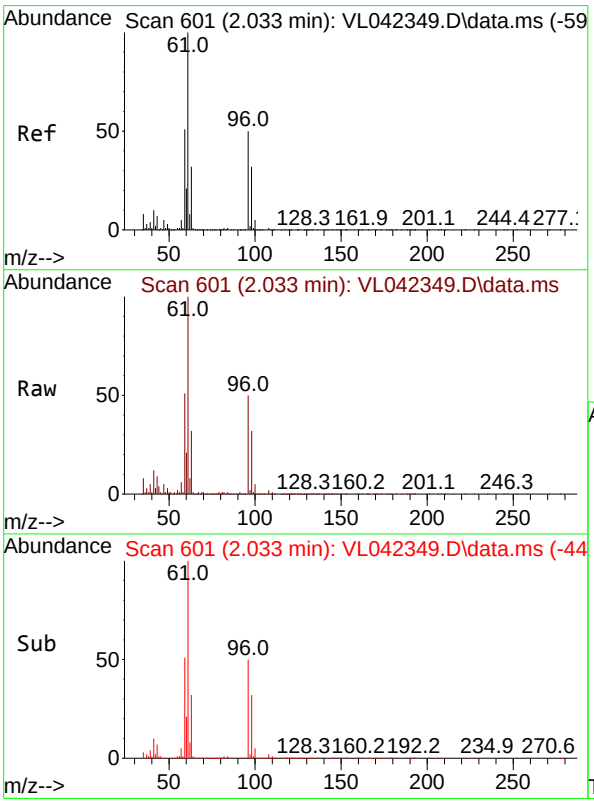
#17
tert-Butyl alcohol
Concen: 8.891 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 226280

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

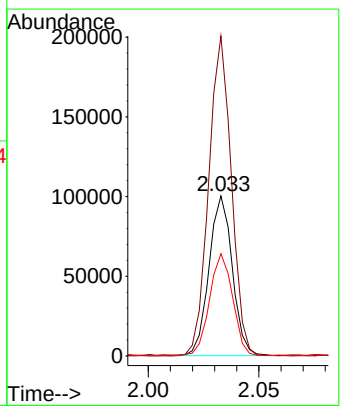


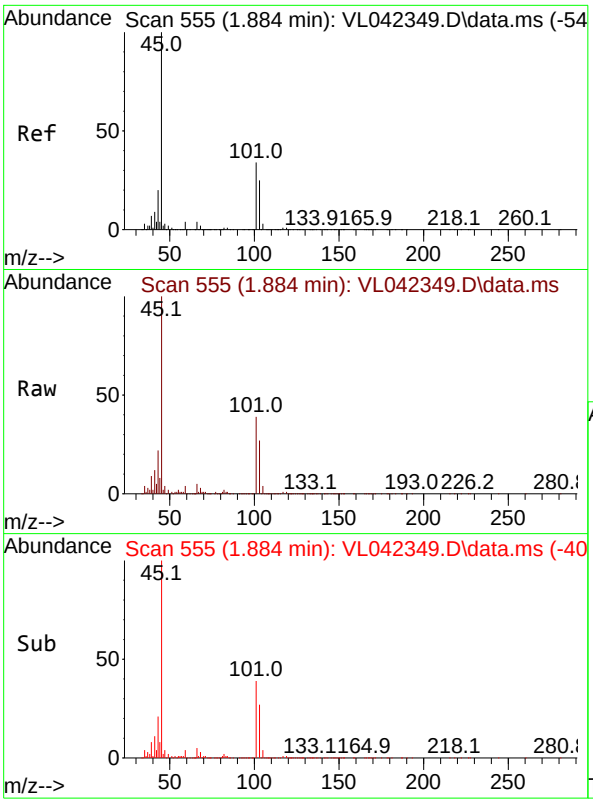


#18
1,1-Dichloroethene
Concen: 8.833 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 96 Resp: 73186

Ion	Ratio	Lower	Upper
96	100		
61	200.2	160.2	240.2
98	63.7	51.0	76.4



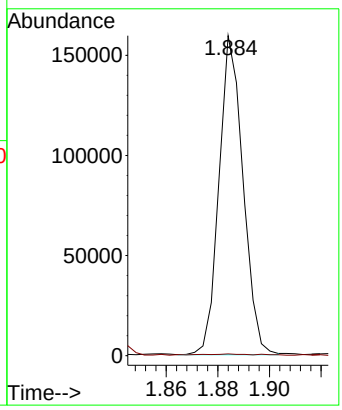


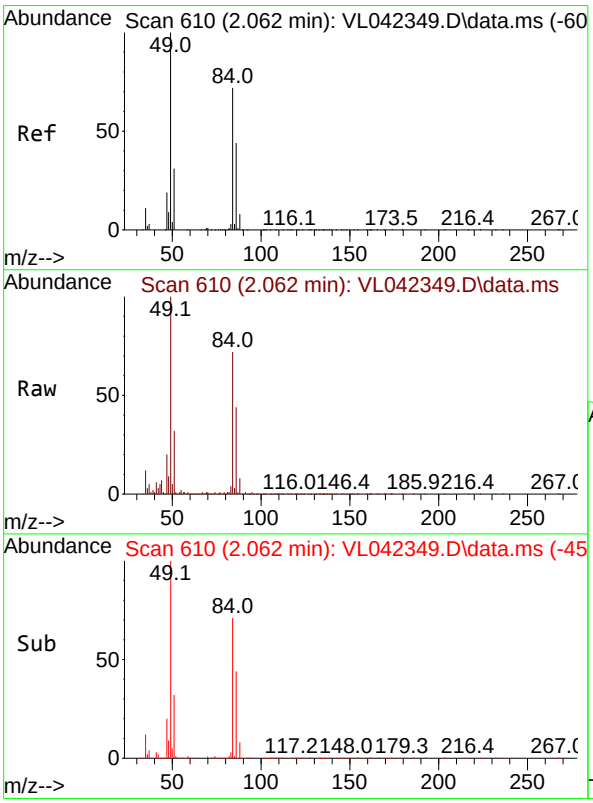
#19
Isopropyl Alcohol
Concen: 9.031 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 103029

Ion	Ratio	Lower	Upper
45	100		
58	43.1	34.5	51.7

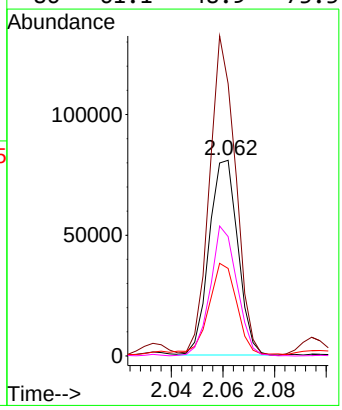


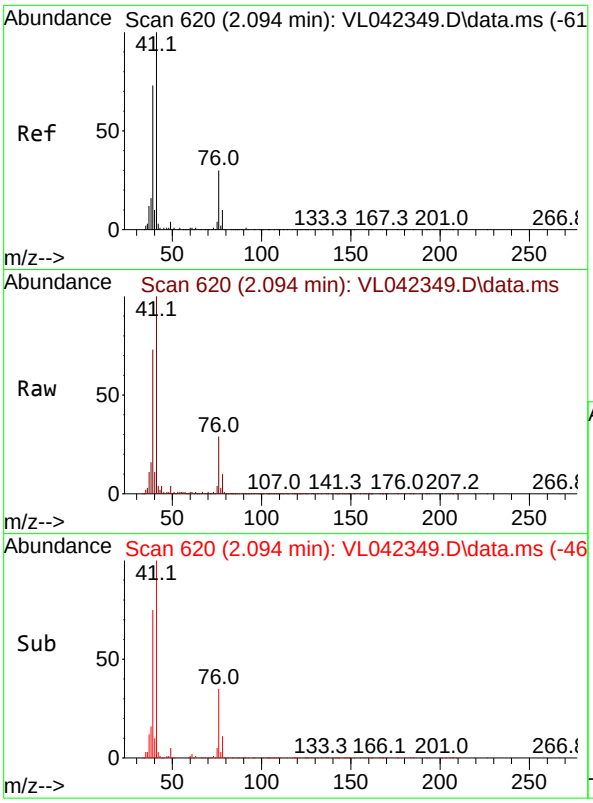


#20
Methylene Chloride
Concen: 7.760 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 84 Resp: 62414

Ion	Ratio	Lower	Upper
84	100		
49	139.5	111.6	167.4
51	43.9	35.1	52.7
86	61.1	48.9	73.3



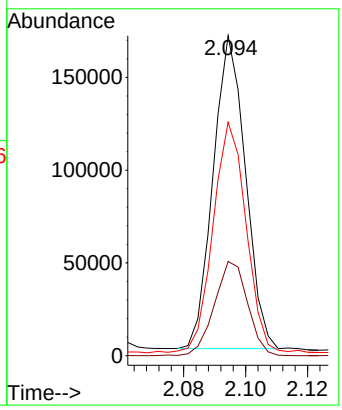


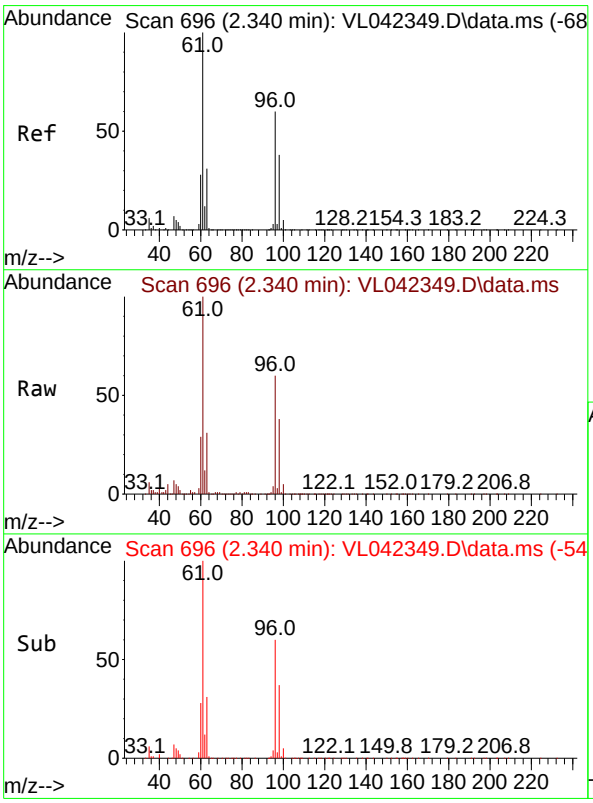
#21
Allyl Chloride
Concen: 8.611 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 122115

Ion	Ratio	Lower	Upper
41	100		
76	31.0	24.8	37.2
39	75.7	60.6	90.8

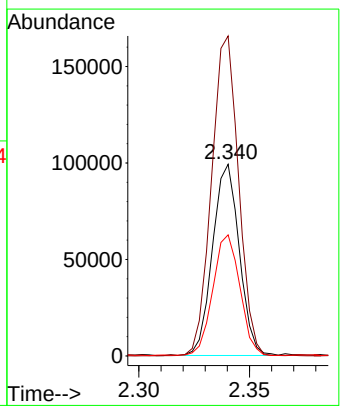


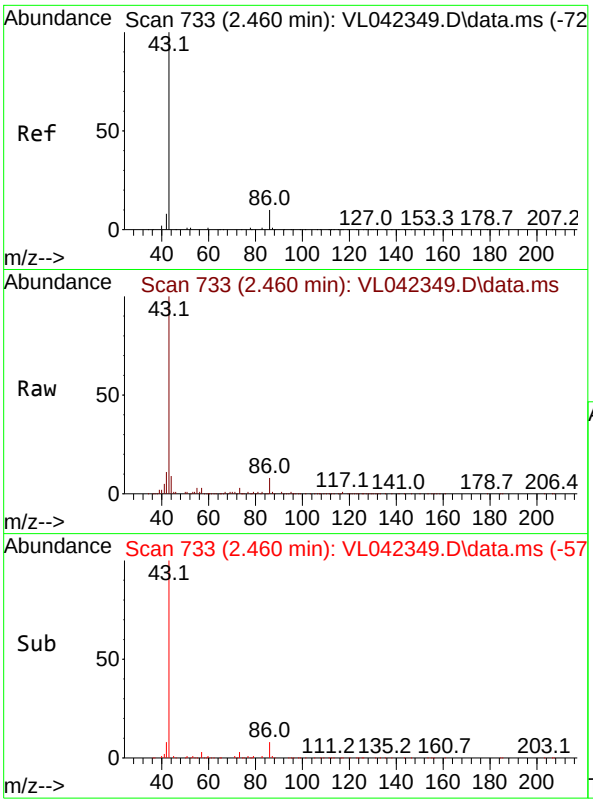


#22
trans-1,2-Dichloroethene
Concen: 9.084 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 96 Resp: 83278

Ion	Ratio	Lower	Upper
96	100		
61	167.1	133.7	200.5
98	62.9	50.3	75.5



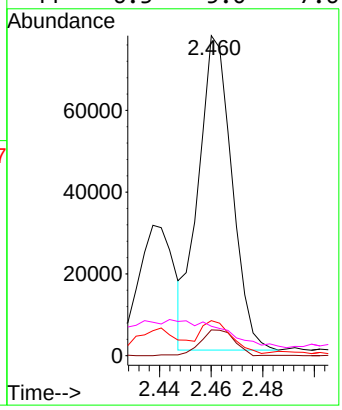


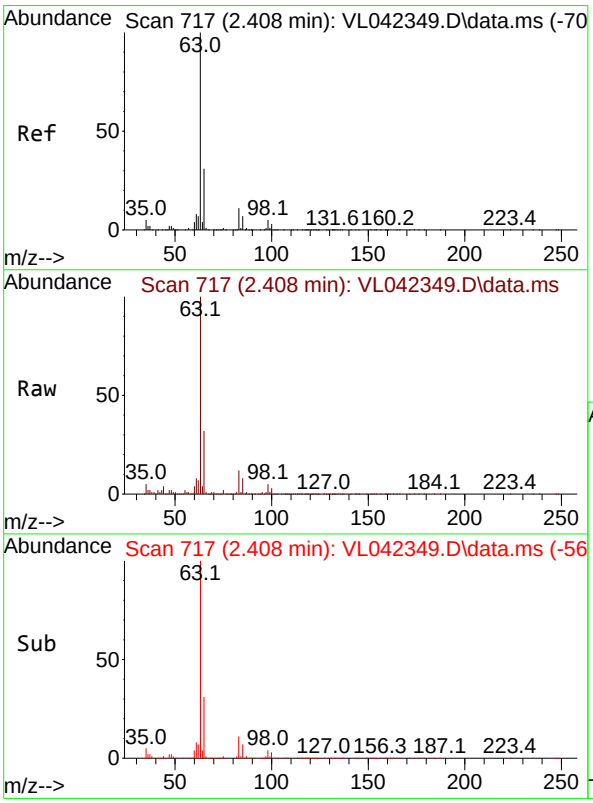
#23
Vinyl Acetate
Concen: 8.378 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 69649

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.5	9.7
42	9.8	7.8	11.8
44	6.3	5.0	7.6

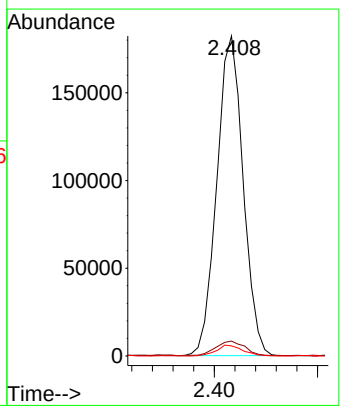


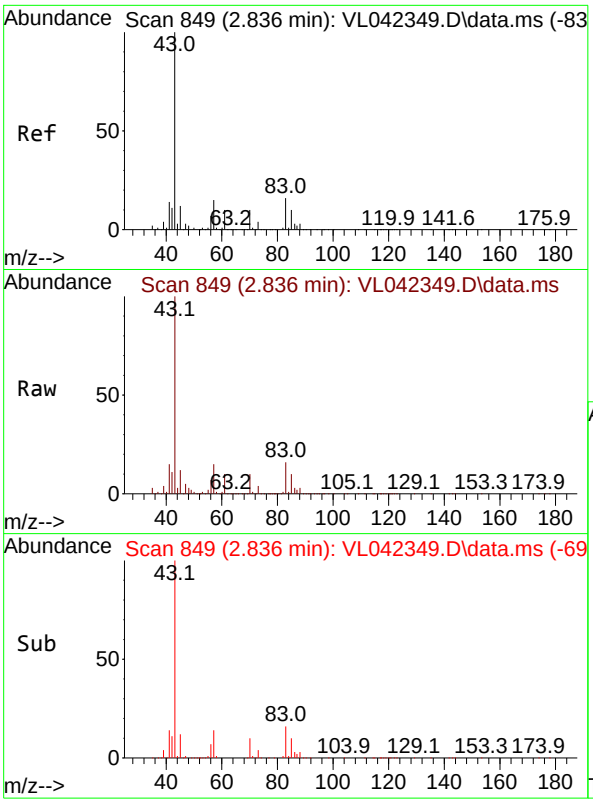


#24
1,1-Dichloroethane
Concen: 9.251 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 63 Resp: 161102

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.2	1.6	4.8



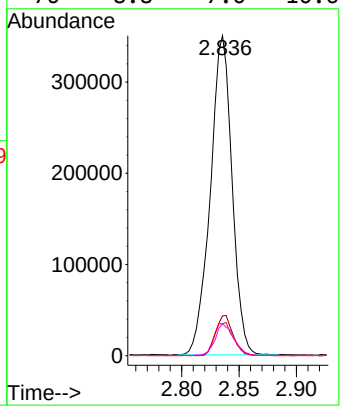


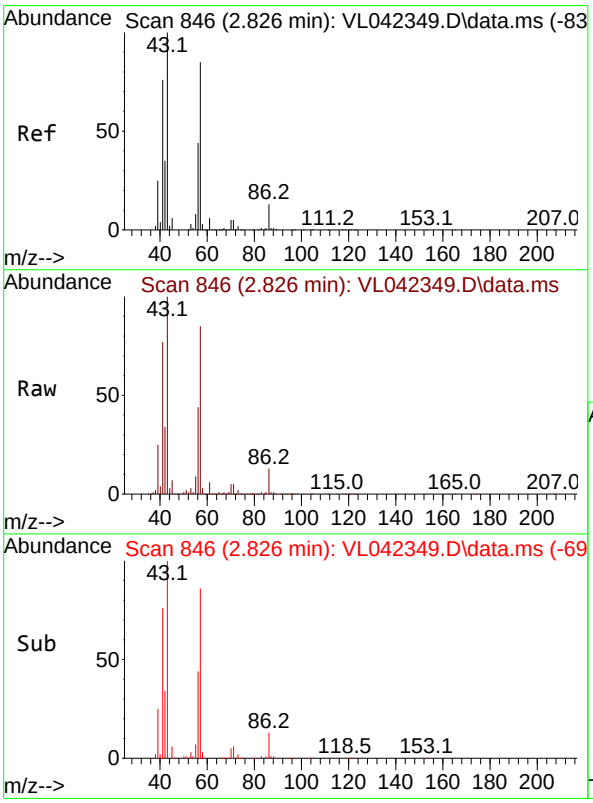
#25
Ethyl Acetate
Concen: 9.110 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 461315

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.1	7.3	10.9
70	8.8	7.0	10.6

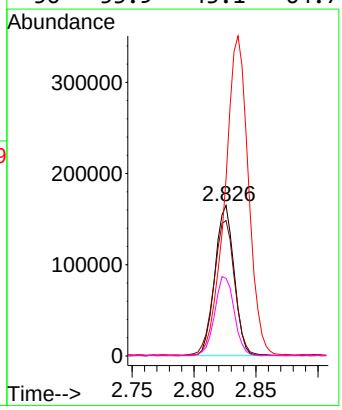


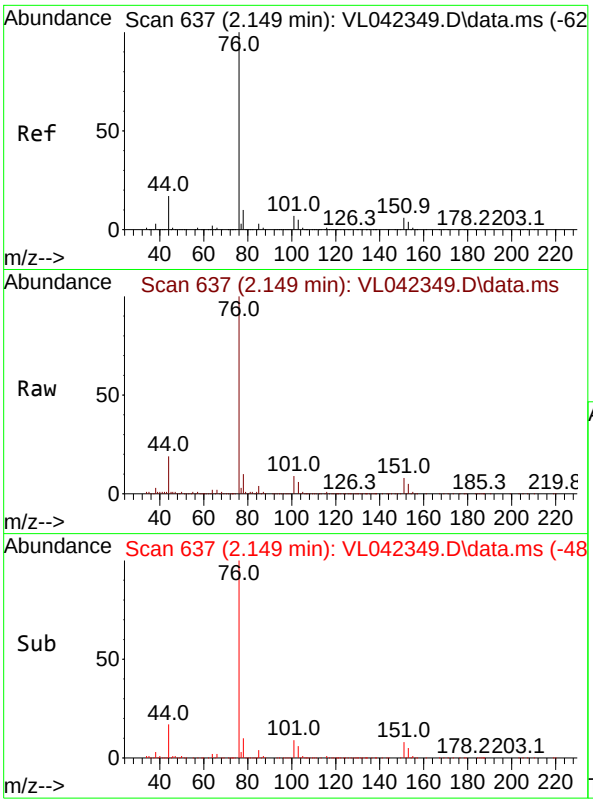


#26
Hexane
Concen: 8.720 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 57 Resp: 178691

Ion	Ratio	Lower	Upper
57	100		
41	97.4	77.9	116.9
43	260.5	208.4	312.6
56	53.9	43.1	64.7



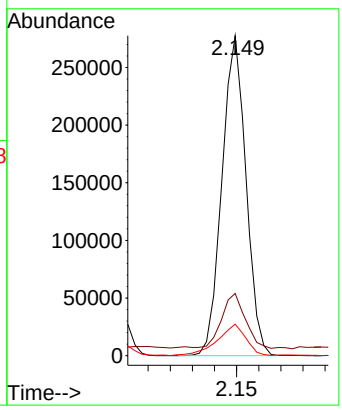


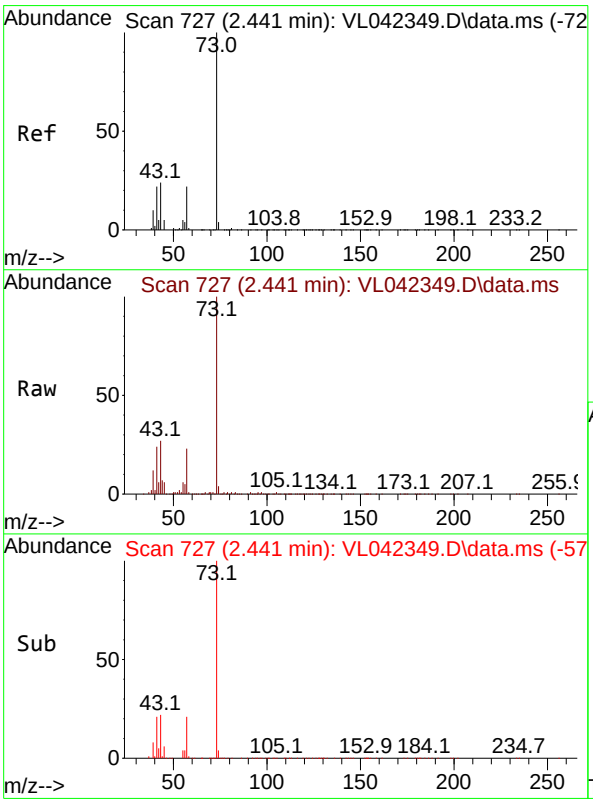
#27
Carbon Disulfide
Concen: 9.539 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 209297

Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.5	23.3
78	11.6	9.3	13.9

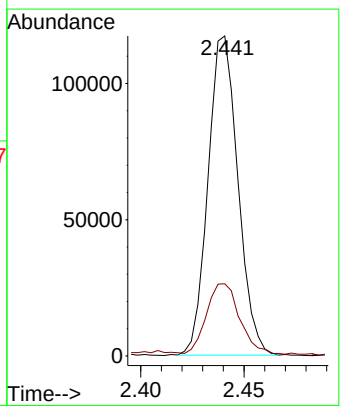


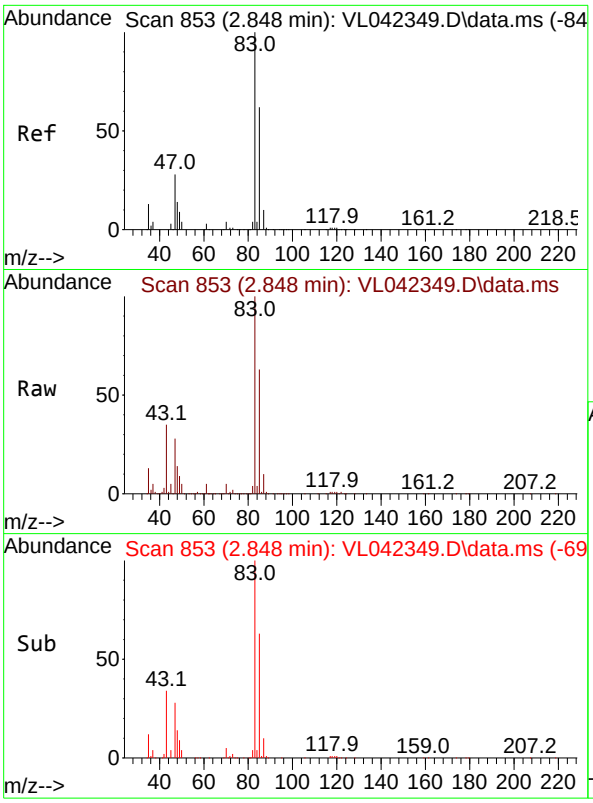


#28
Methyl tert-Butyl Ether
Concen: 8.783 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 73 Resp: 117924

Ion	Ratio	Lower	Upper
73	100		
57	26.6	21.3	31.9



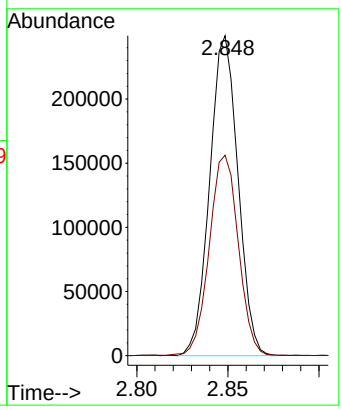


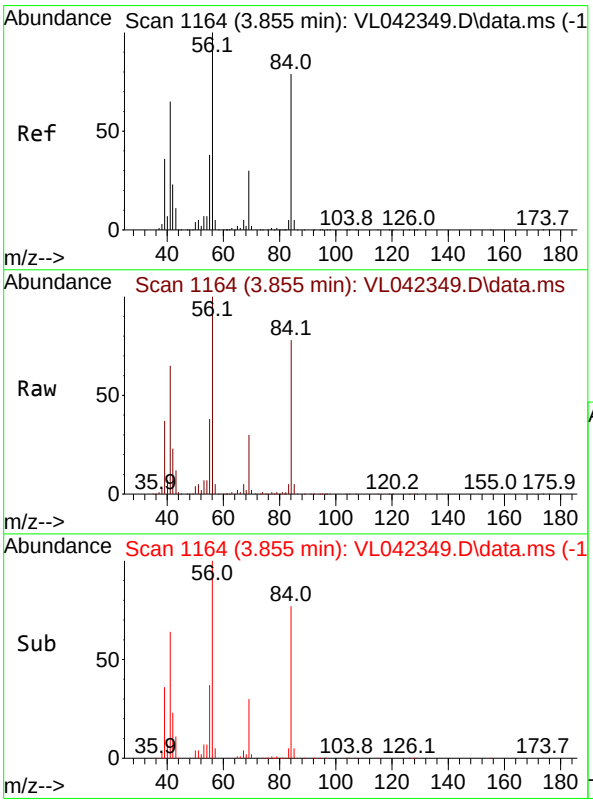
#29
Chloroform
Concen: 9.290 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 269088

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0

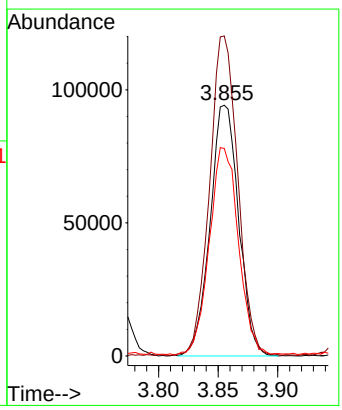


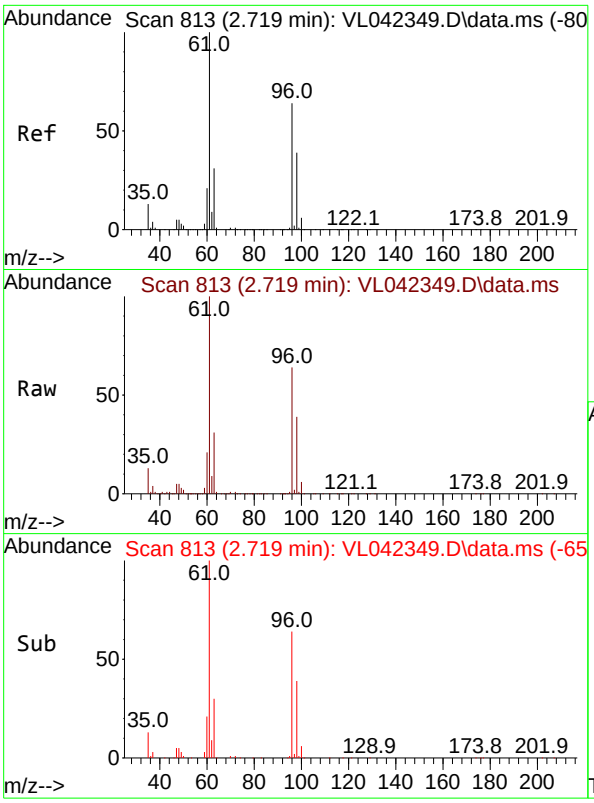


#30
Cyclohexane
Concen: 9.517 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 84 Resp: 157035

Ion	Ratio	Lower	Upper
84	100		
56	126.2	101.0	151.4
41	84.2	67.4	101.0



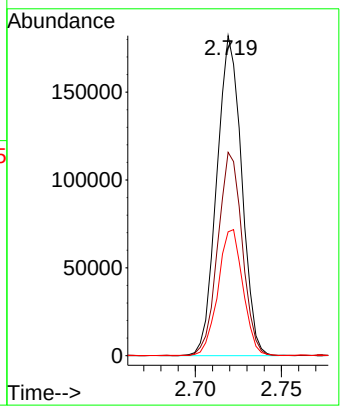


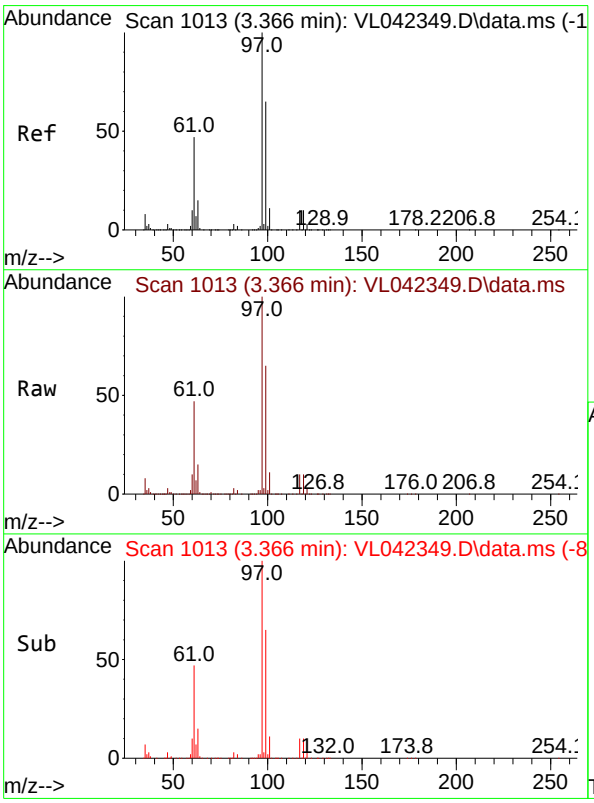
#31
cis-1,2-Dichloroethene
Concen: 9.397 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 183082

Ion	Ratio	Lower	Upper
61	100		
96	63.5	50.8	76.2
98	38.6	30.9	46.3

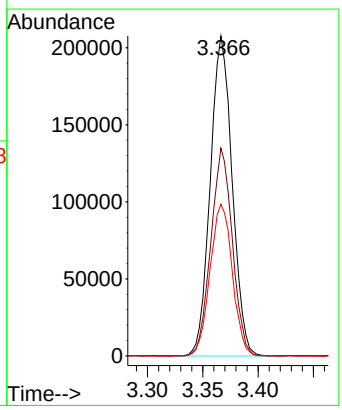


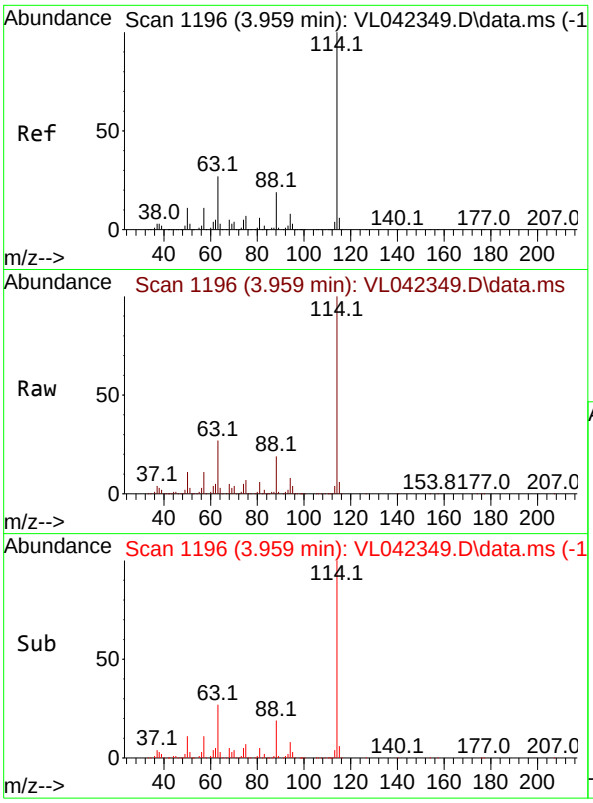


#32
1,1,1-Trichloroethane
Concen: 9.187 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 97 Resp: 285336

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.5	38.8	58.2



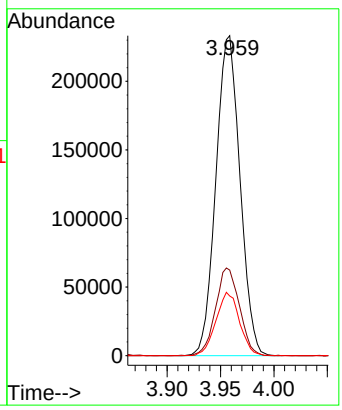


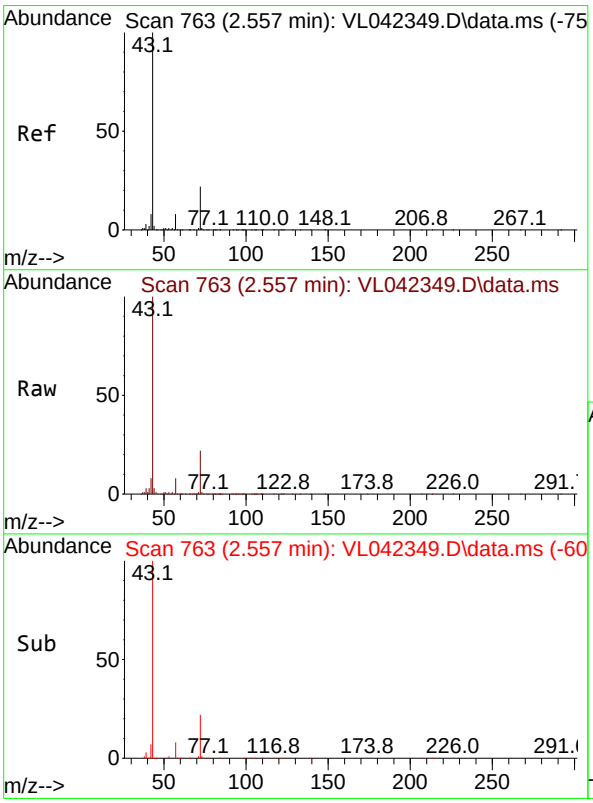
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 366544

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	19.4	15.5	23.3

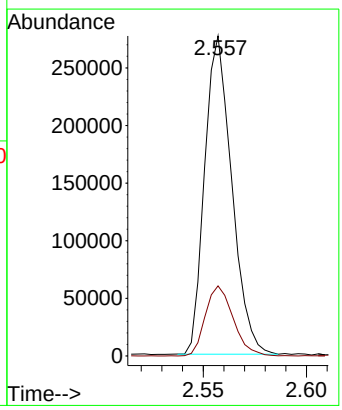


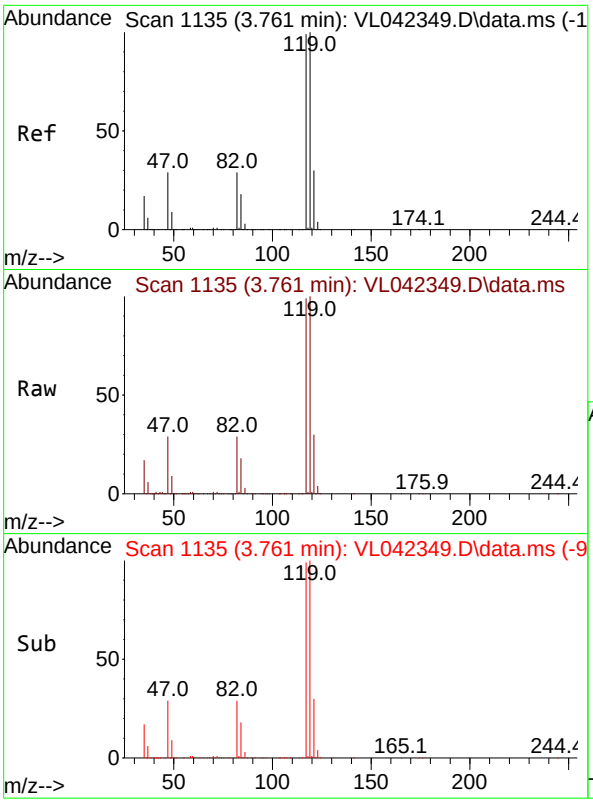


#34
2-Butanone
Concen: 8.683 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 251704

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2



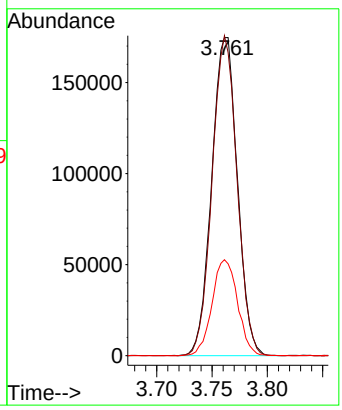


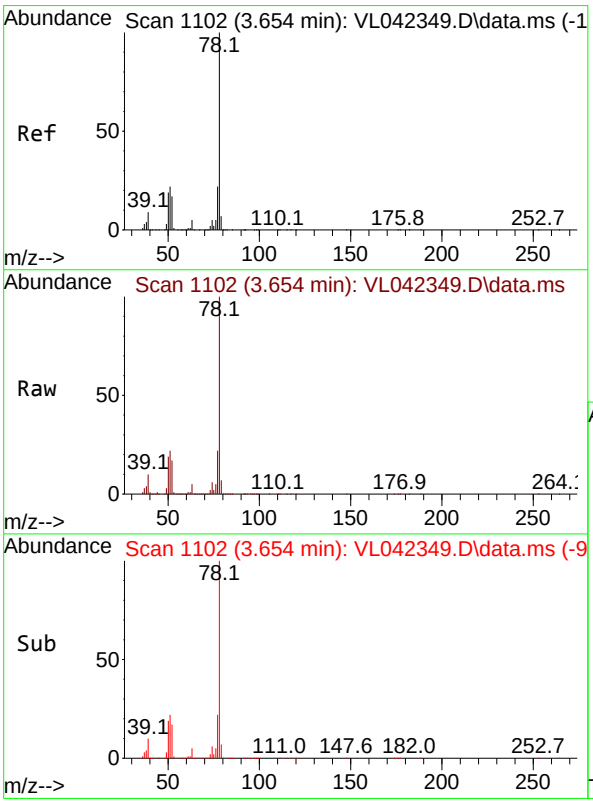
#35
Carbon Tetrachloride
Concen: 8.513 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 282402

Ion	Ratio	Lower	Upper
117	100		
119	100.6	80.5	120.7
121	30.2	24.2	36.2

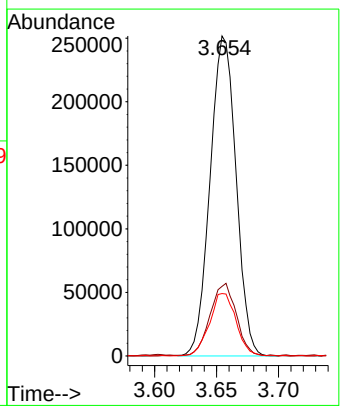


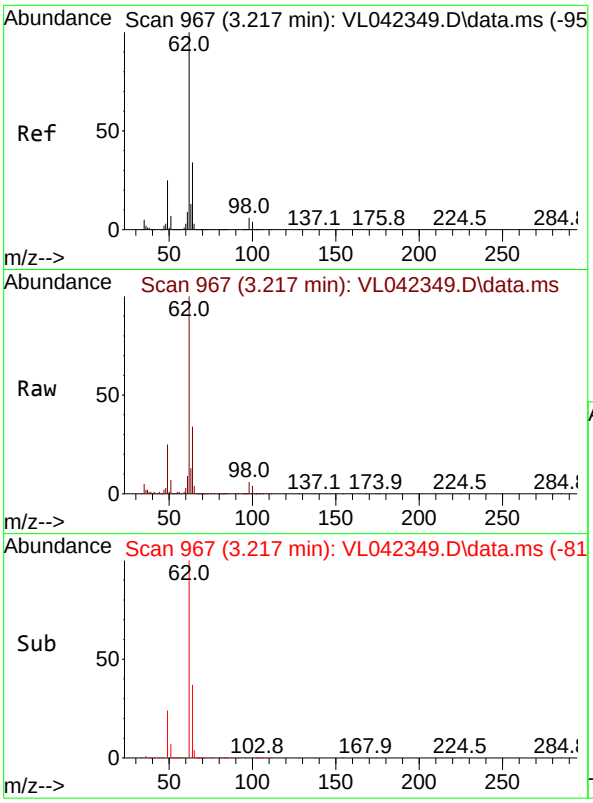


#36
Benzene
Concen: 9.292 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 78 Resp: 367355

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	19.4	15.5	23.3



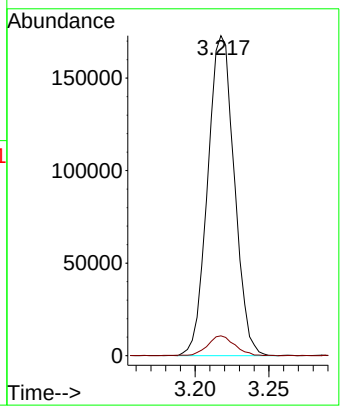


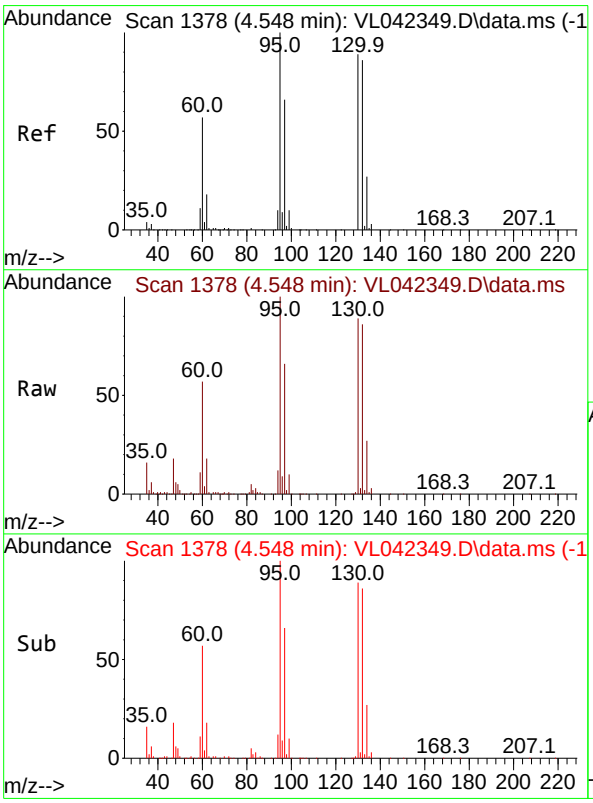
#37
1,2-Dichloroethane
Concen: 9.145 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 216999

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.1	7.7

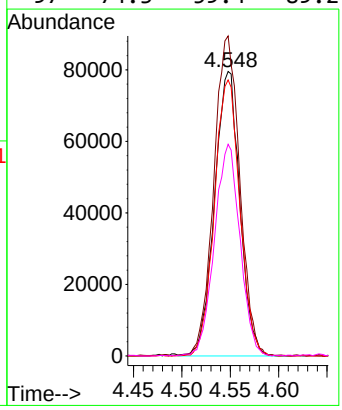


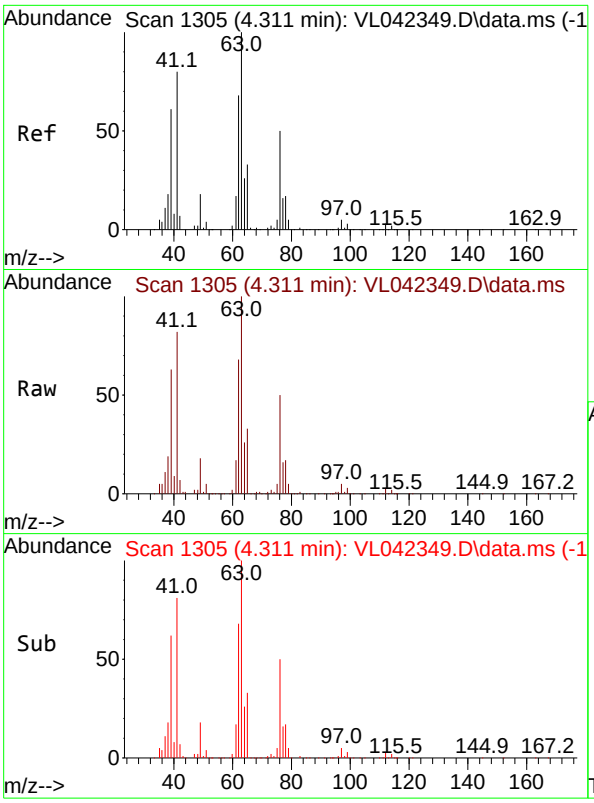


#38
Trichloroethene
Concen: 8.352 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:130 Resp: 144767

Ion	Ratio	Lower	Upper
130	100		
95	112.2	89.8	134.6
132	97.1	77.7	116.5
97	74.3	59.4	89.2



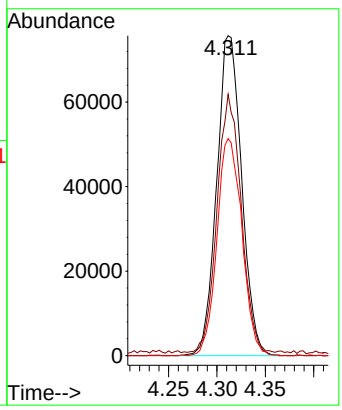


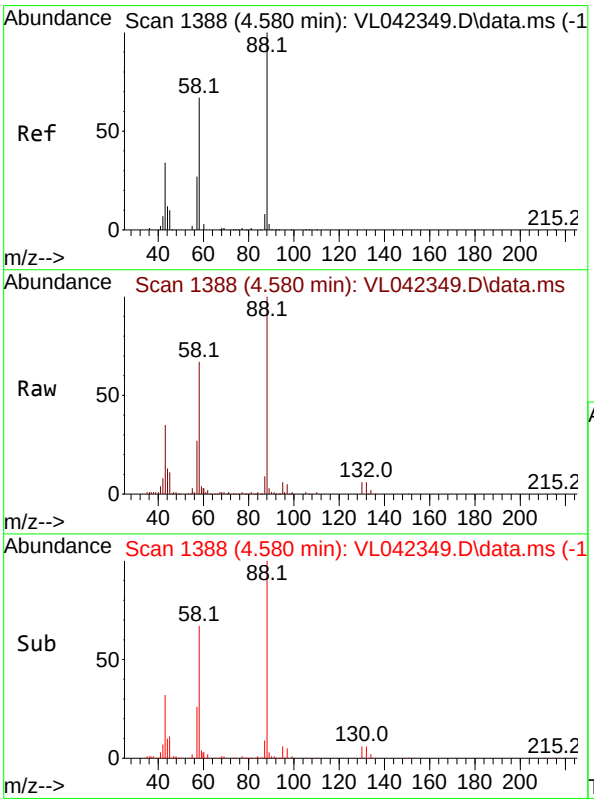
#39
1,2-Dichloropropane
Concen: 9.197 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 135605

Ion	Ratio	Lower	Upper
63	100		
41	80.2	64.2	96.2
62	67.9	54.3	81.5

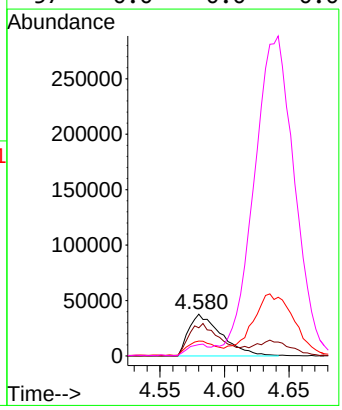


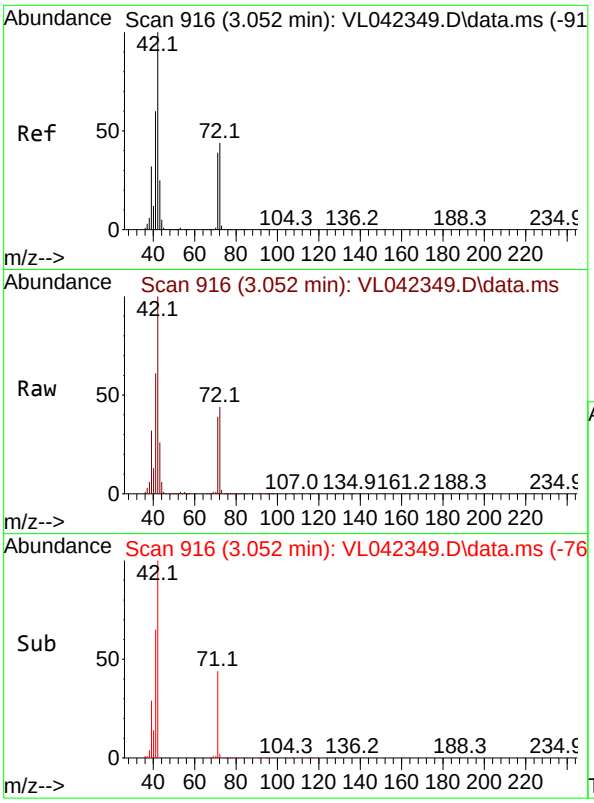


#40
1,4-Dioxane
Concen: 8.348 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 88 Resp: 66662

Ion	Ratio	Lower	Upper
88	100		
58	76.7	61.4	92.0
43	29.0	23.2	34.8
57	0.0	0.0	0.0



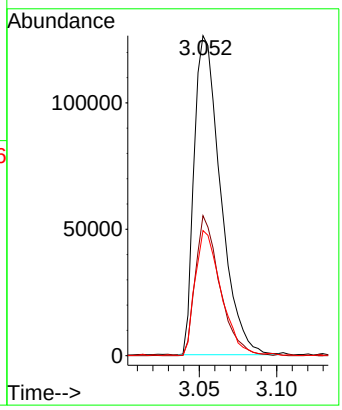


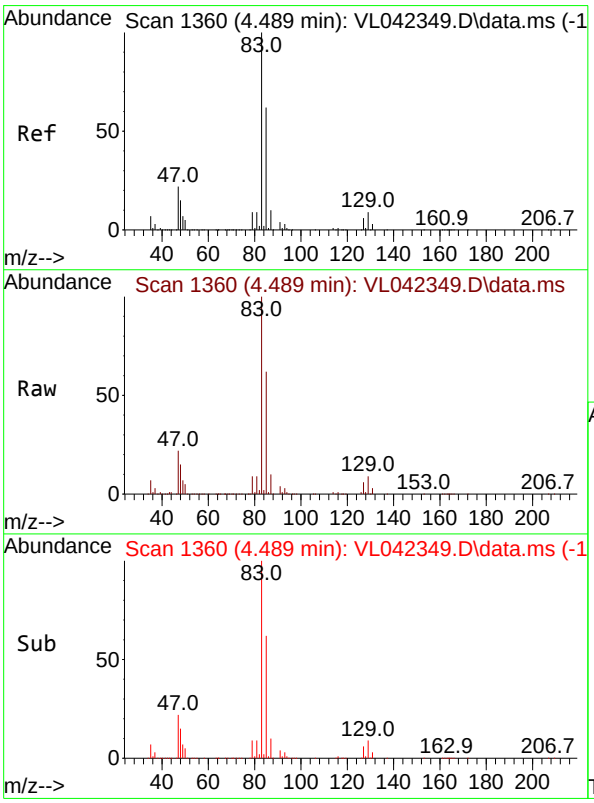
#41
Tetrahydrofuran
Concen: 8.950 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 149905

Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	39.3	31.4	47.2

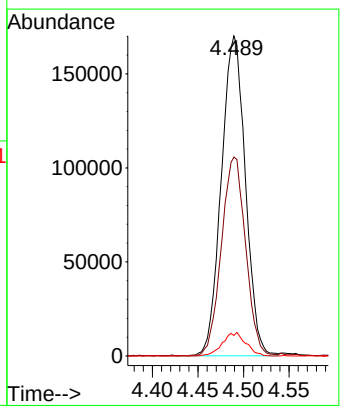


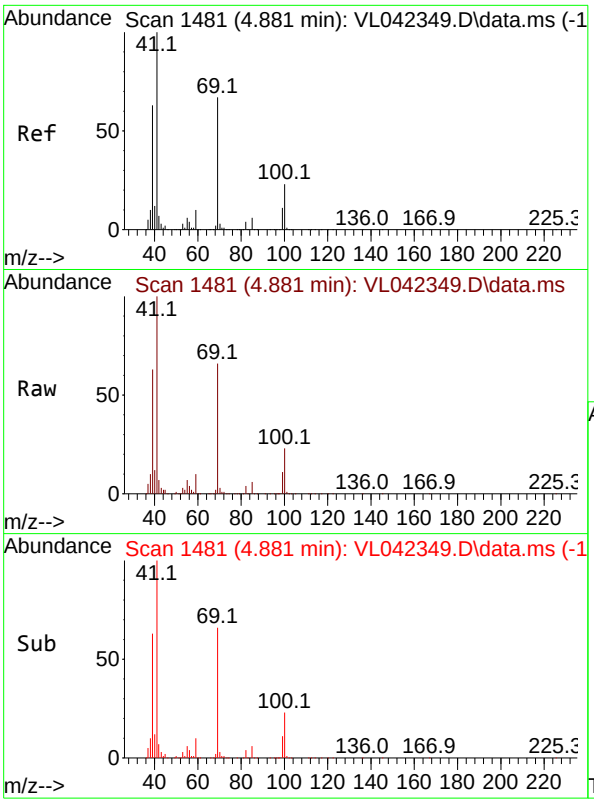


#42
Bromodichloromethane
Concen: 9.456 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 83 Resp: 312268

Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.7	74.5
127	6.4	5.1	7.7



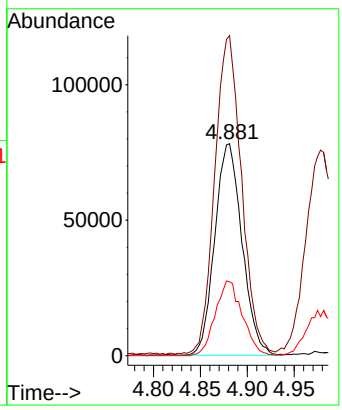


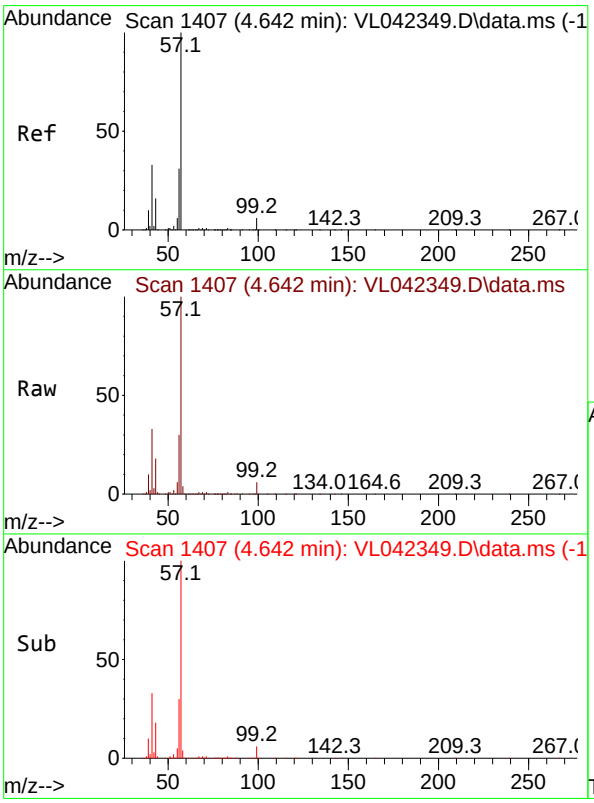
#43
Methyl Methacrylate
Concen: 8.876 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 157501

Ion	Ratio	Lower	Upper
69	100		
41	148.2	118.6	177.8
100	35.2	28.2	42.2

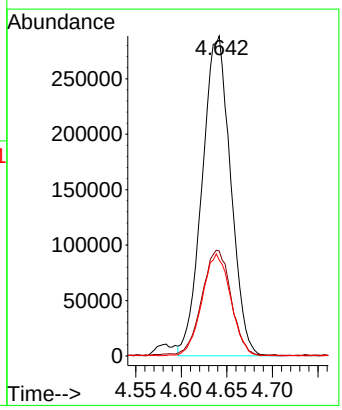


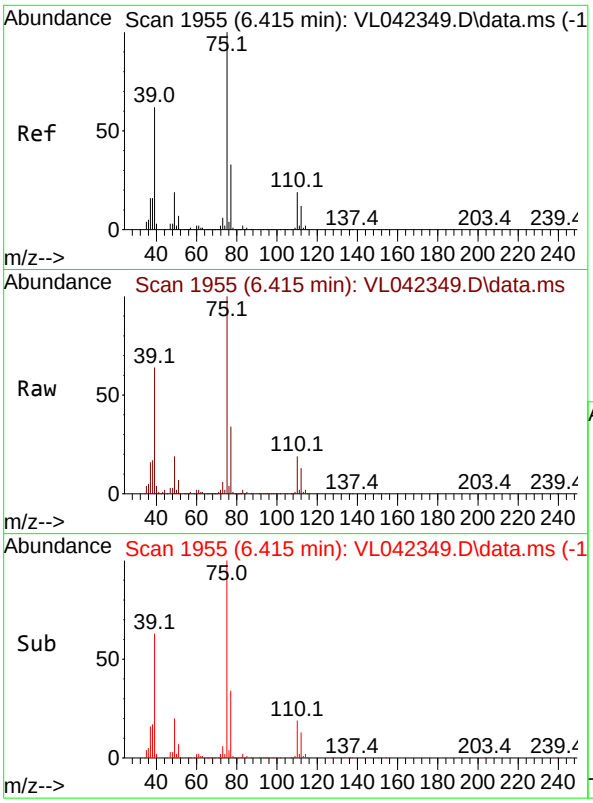


#44
2,2,4-Trimethylpentane
Concen: 9.157 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 57 Resp: 626085

Ion	Ratio	Lower	Upper
57	100		
41	34.0	27.2	40.8
56	32.1	25.7	38.5



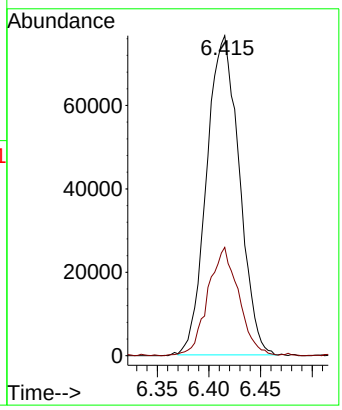


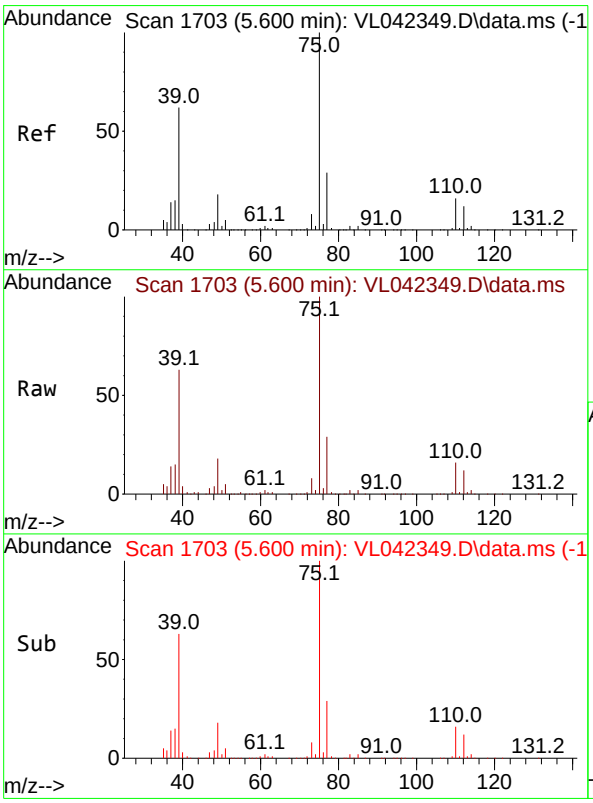
#45
t-1,3-Dichloropropene
Concen: 9.233 ppbv
RT: 6.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 168223

Ion	Ratio	Lower	Upper
75	100		
77	33.8	27.0	40.6

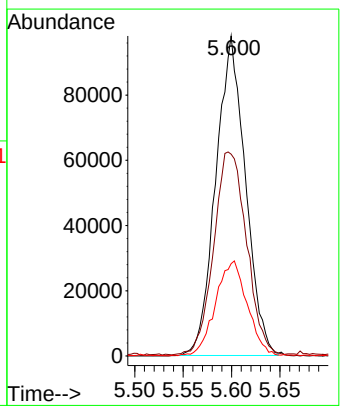


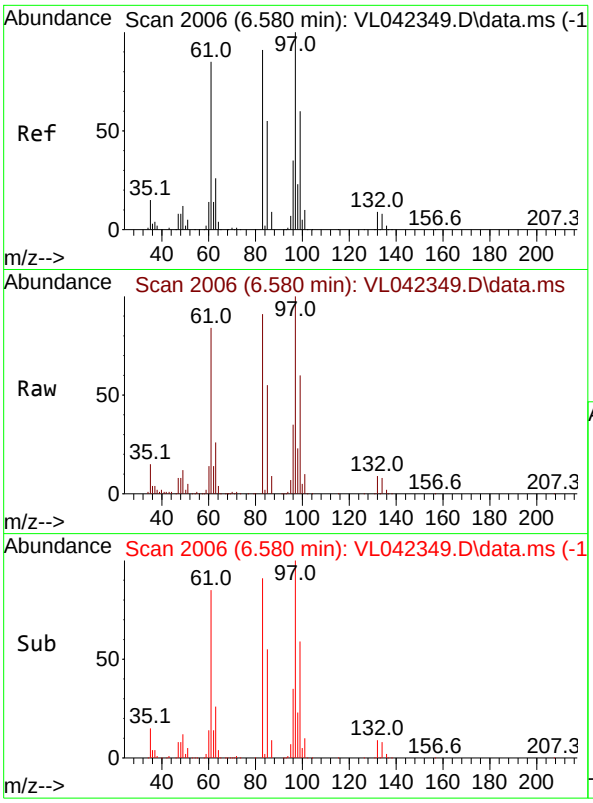


#46
cis-1,3-Dichloropropene
Concen: 9.377 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 75 Resp: 208811

Ion	Ratio	Lower	Upper
75	100		
39	62.5	50.0	75.0
77	28.8	23.0	34.6



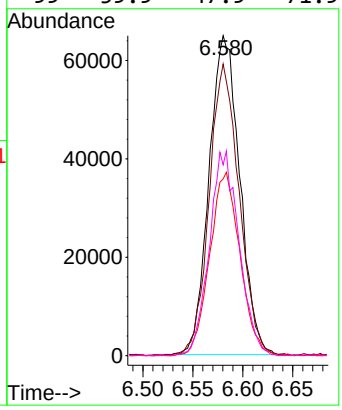


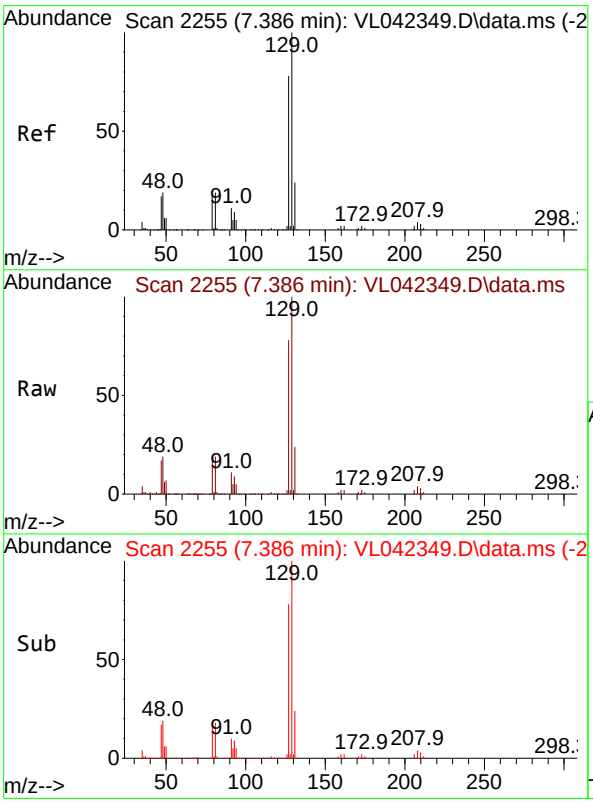
#47
1,1,2-Trichloroethane
Concen: 9.181 ppbv
RT: 6.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 137898

Ion	Ratio	Lower	Upper
97	100		
83	91.0	72.8	109.2
85	55.3	44.2	66.4
99	59.9	47.9	71.9

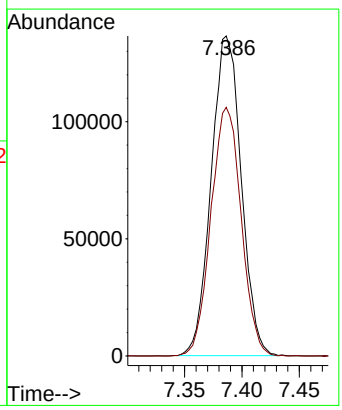


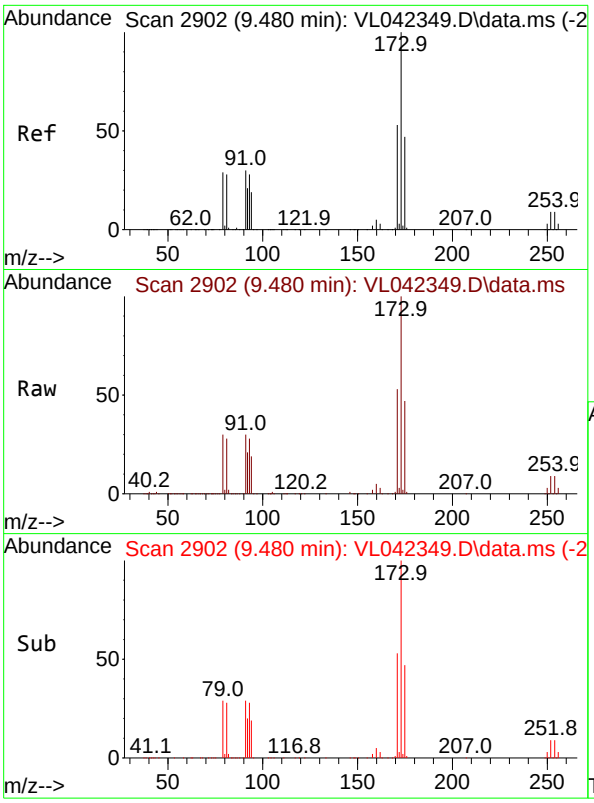


#48
Dibromochloromethane
Concen: 9.388 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:129 Resp: 248954

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3



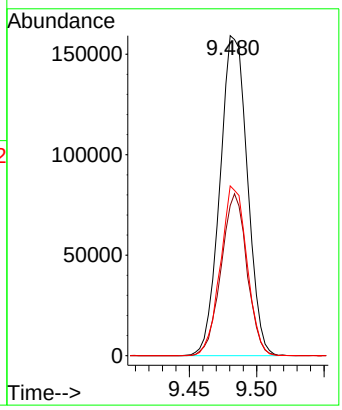


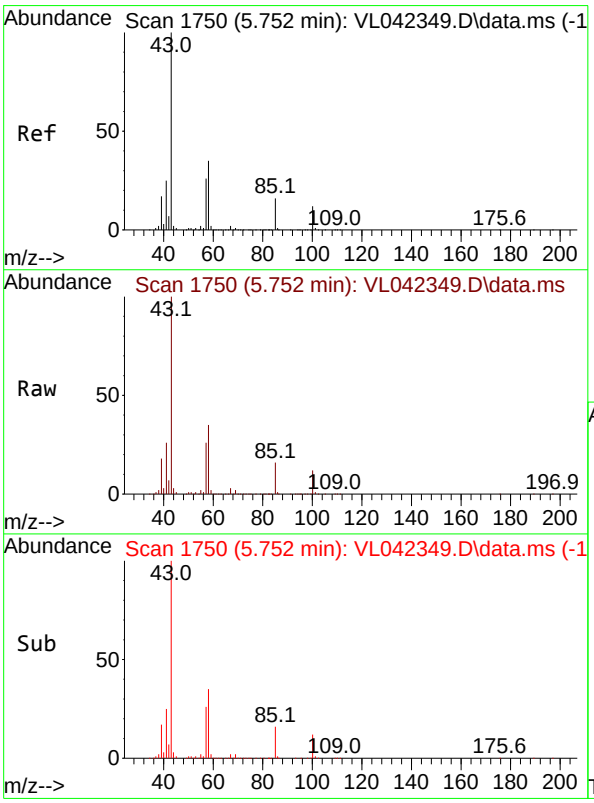
#49
Bromoform
Concen: 9.734 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 225706

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.2	57.2
171	51.1	40.9	61.3

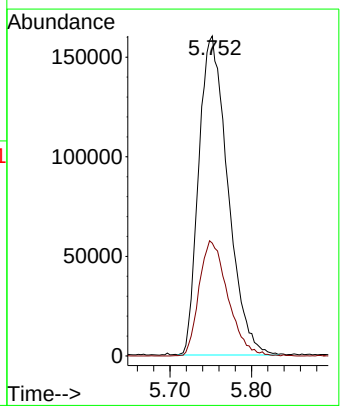


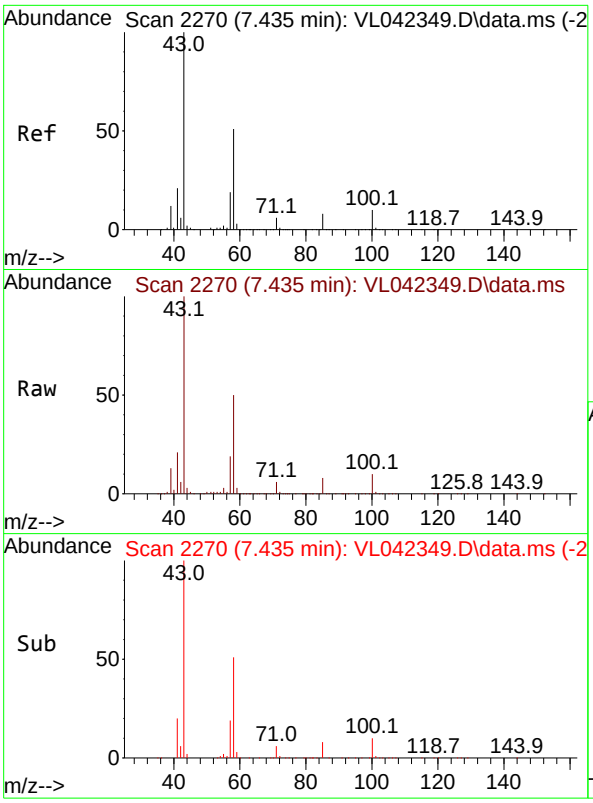


#50
4-Methyl-2-Pentanone
Concen: 8.215 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 43 Resp: 396548

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0



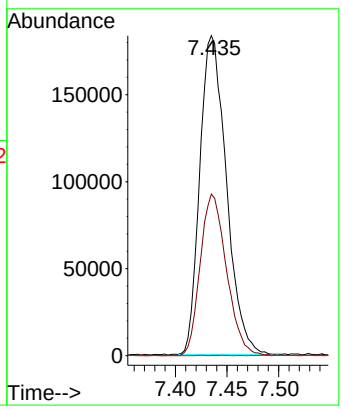


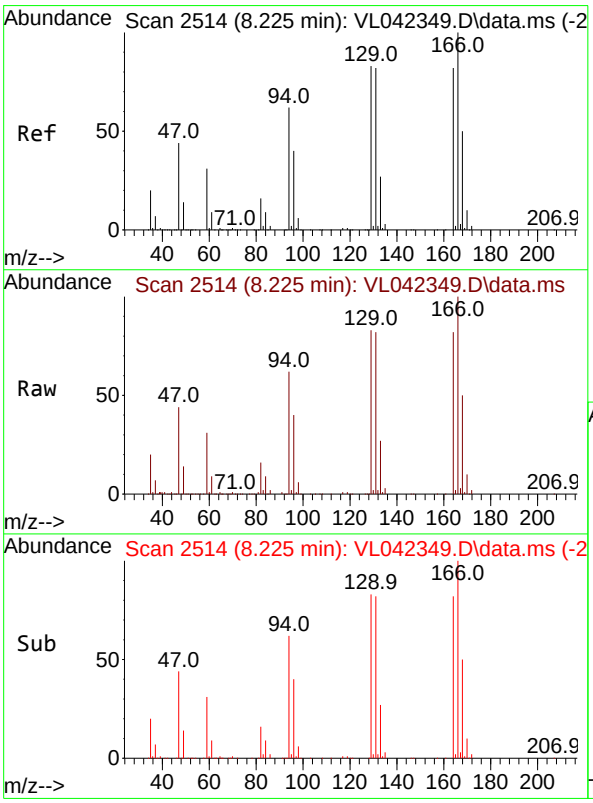
#51
2-Hexanone
Concen: 7.511 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 327165

Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.2	60.4
98	0.1	0.1	0.1

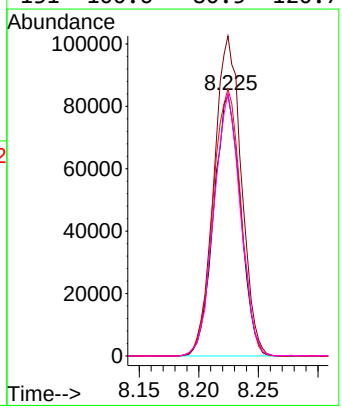


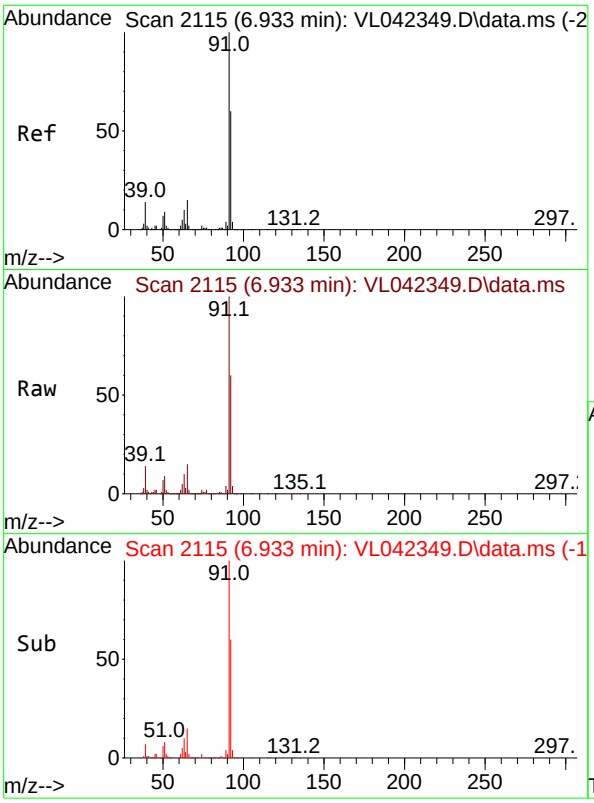


#52
Tetrachloroethene
Concen: 8.553 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:164 Resp: 130720

Ion	Ratio	Lower	Upper
164	100		
166	122.7	98.2	147.2
129	102.3	81.8	122.8
131	100.6	80.5	120.7



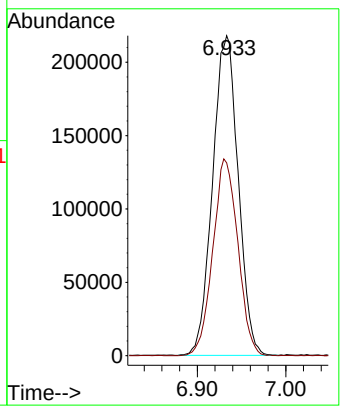


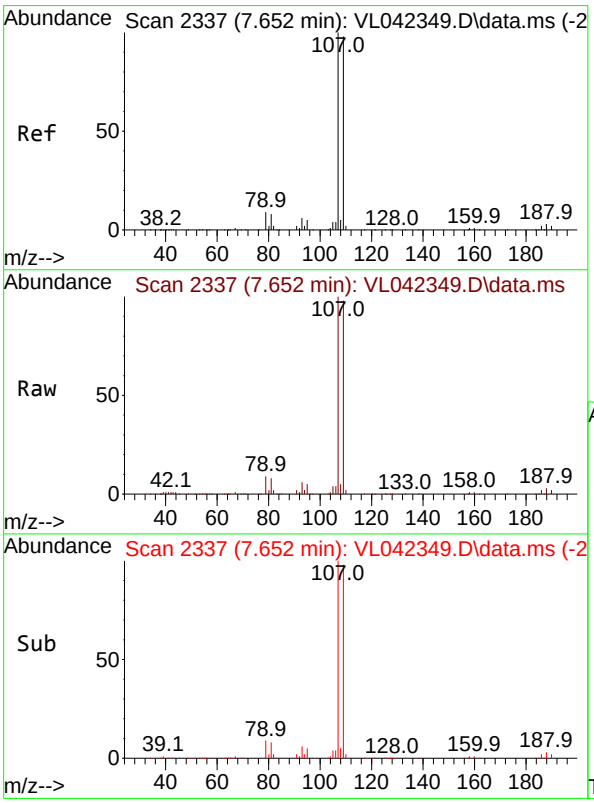
#53
Toluene
Concen: 9.216 ppbv
RT: 6.933 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 437258

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.2	72.4

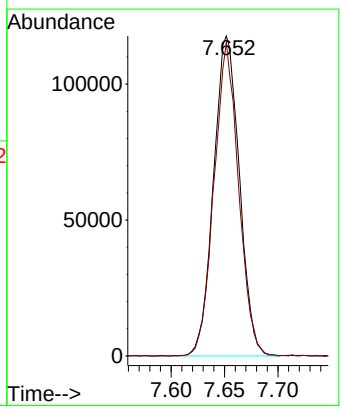


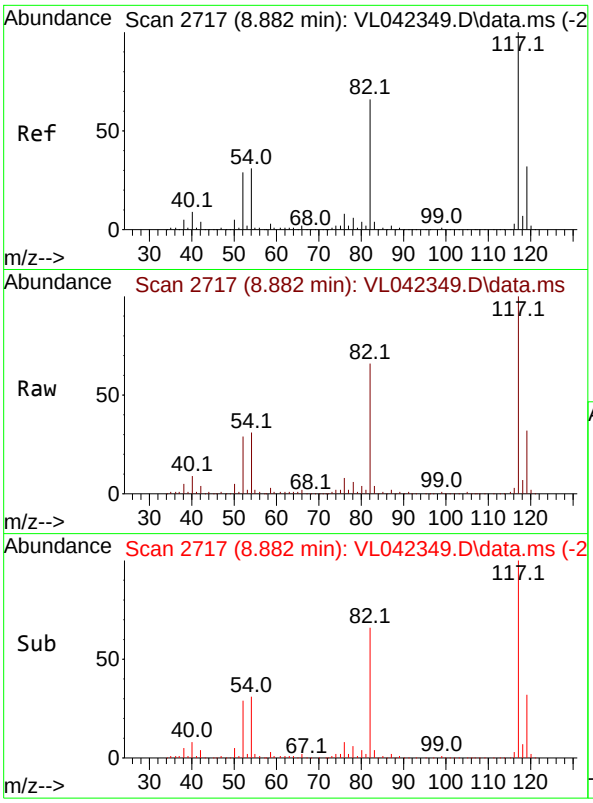


#54
1,2-Dibromoethane
Concen: 9.235 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:107 Resp: 197665

Ion	Ratio	Lower	Upper
107	100		
109	97.8	78.2	117.4



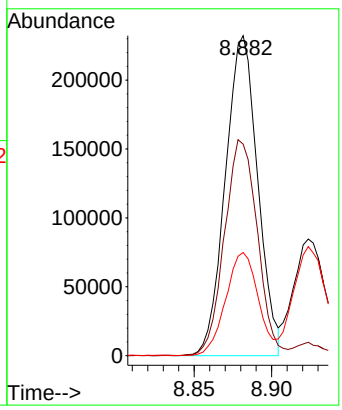


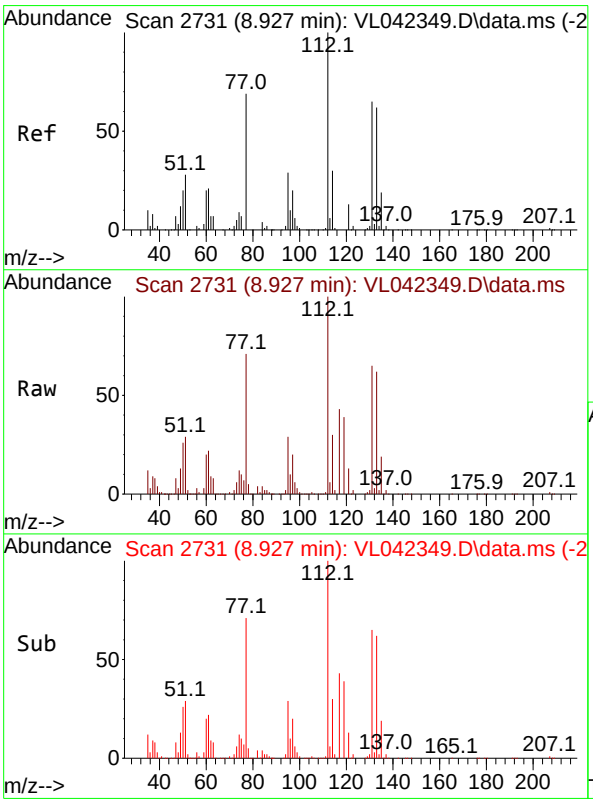
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 338126

Ion	Ratio	Lower	Upper
117	100		
82	72.2	57.8	86.6
119	31.5	25.2	37.8

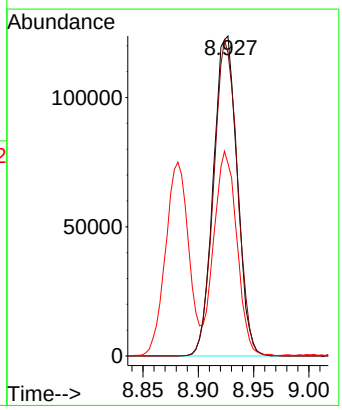


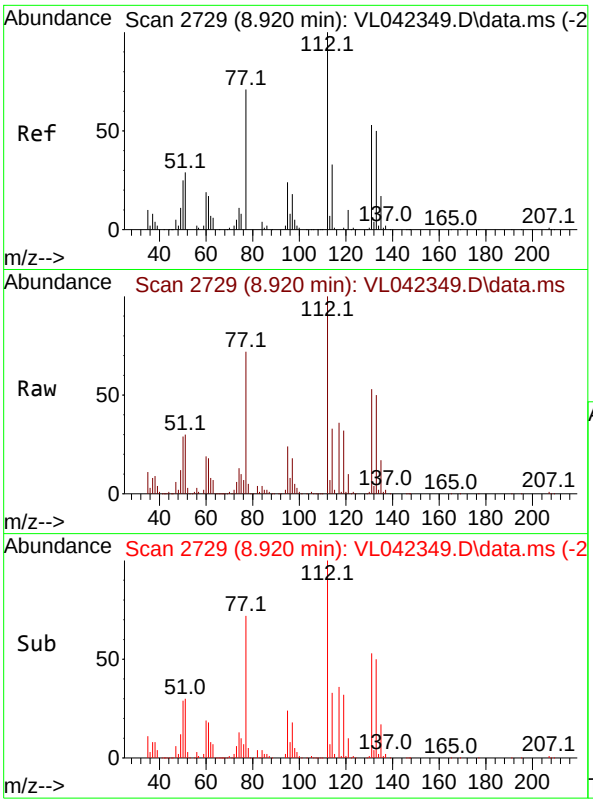


#56
1,1,1,2-Tetrachloroethane
Concen: 9.091 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:131 Resp: 186041

Ion	Ratio	Lower	Upper
131	100		
133	97.9	78.3	117.5
119	60.9	48.7	73.1



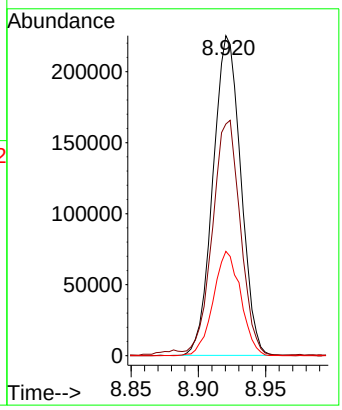


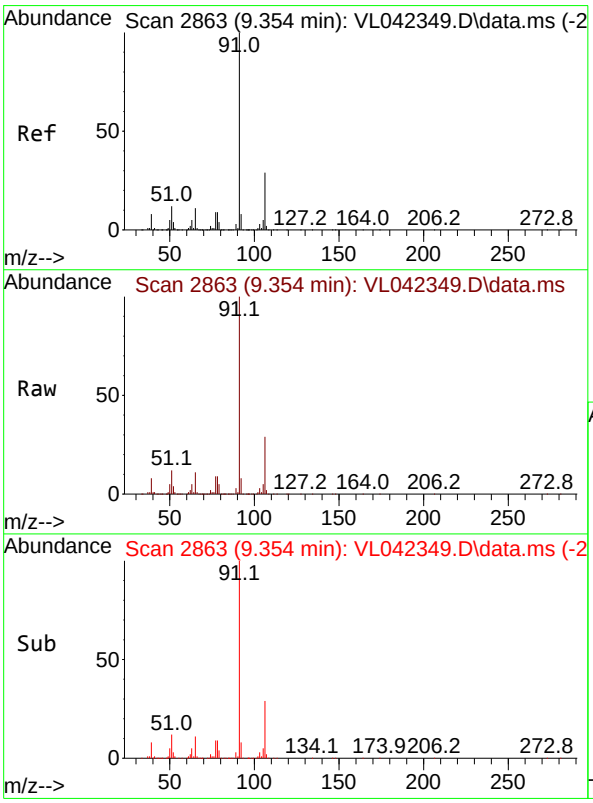
#57
Chlorobenzene
Concen: 9.187 ppbv
RT: 8.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 323084

Ion	Ratio	Lower	Upper
112	100		
77	72.2	57.8	86.6
114	32.6	29.3	35.9

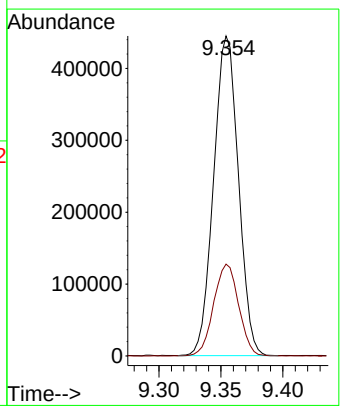


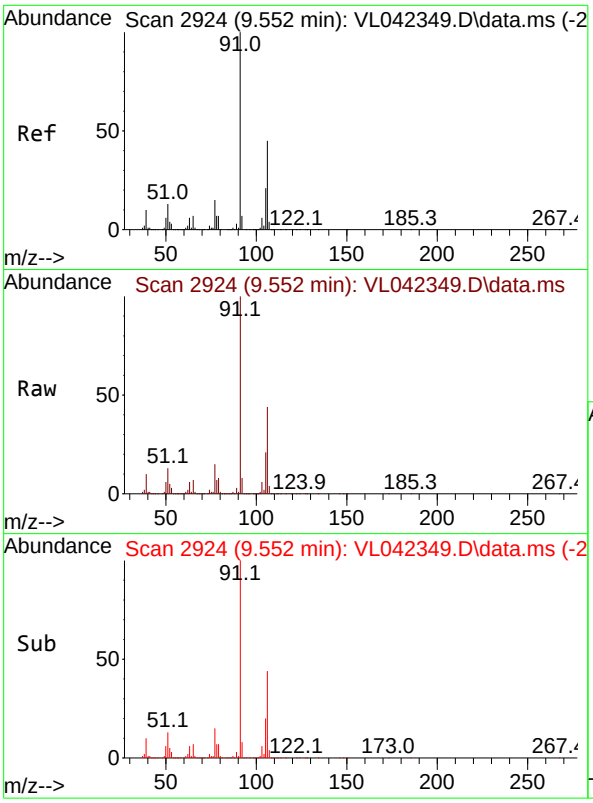


#58
Ethyl Benzene
Concen: 9.248 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 619581

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.0	34.4



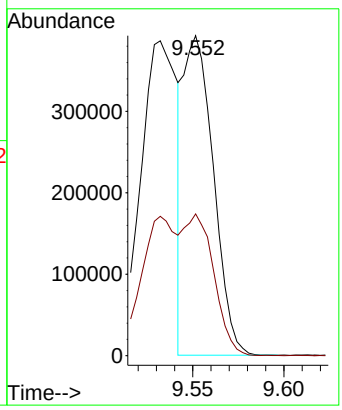


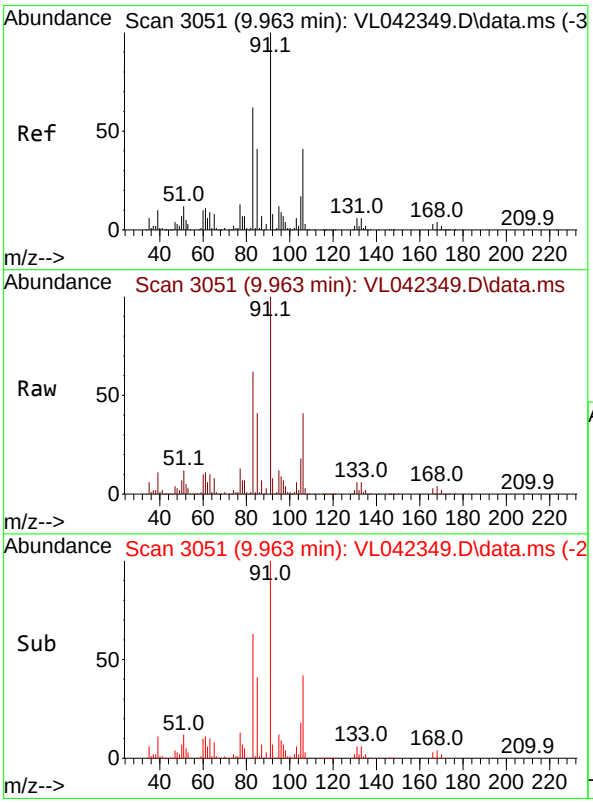
#59
m/p-Xylene
Concen: 8.299 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 449222

Ion	Ratio	Lower	Upper
91	100		
106	97.0	35.4	53.2#

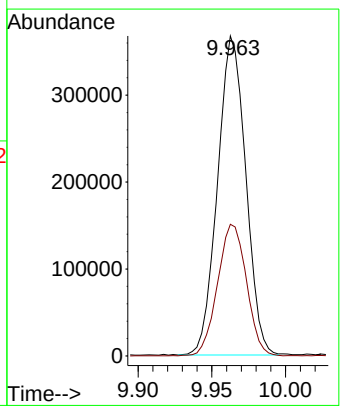


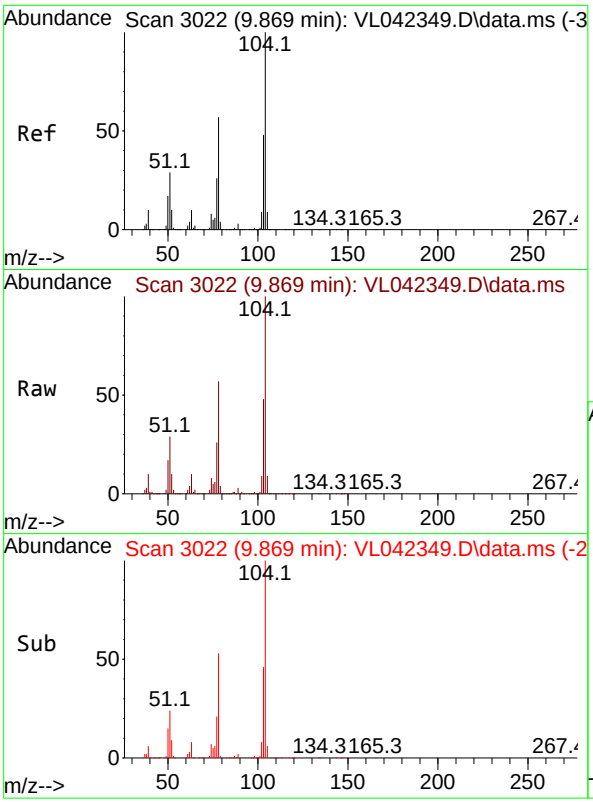


#60
o-Xylene
Concen: 8.972 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 487616

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.1	63.4



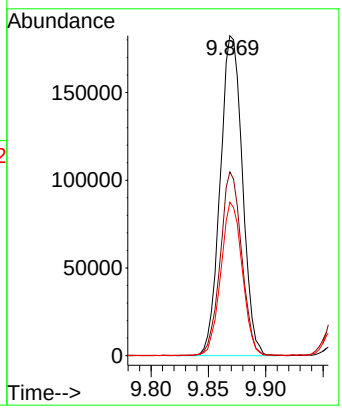


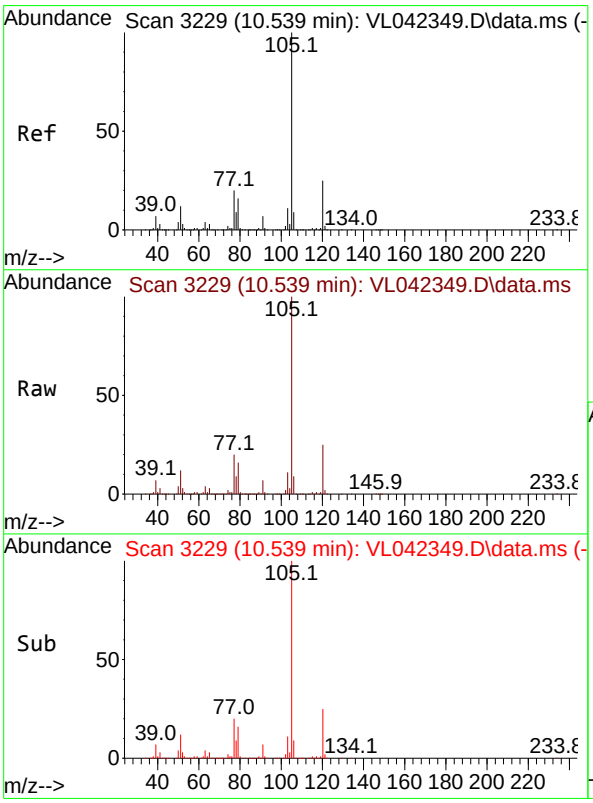
#61
Styrene
Concen: 9.464 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 245487

Ion	Ratio	Lower	Upper
104	100		
78	55.7	44.6	66.8
103	46.7	37.4	56.0

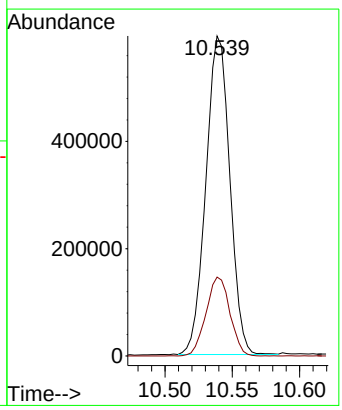


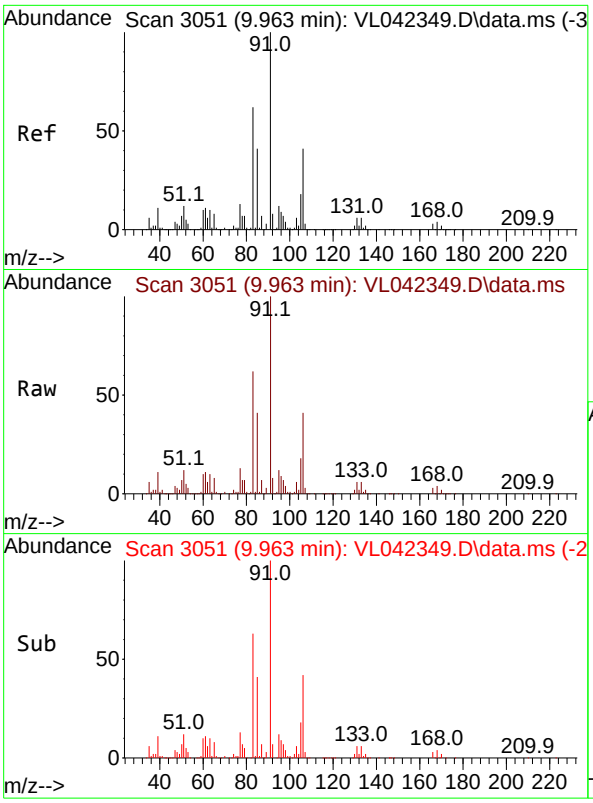


#62
Isopropylbenzene
Concen: 9.197 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 733788

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8



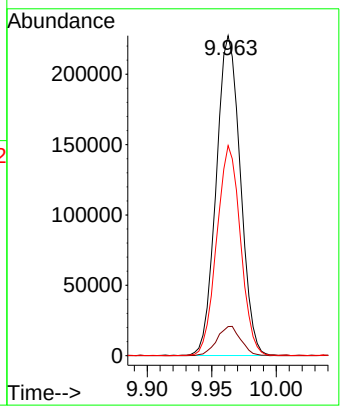


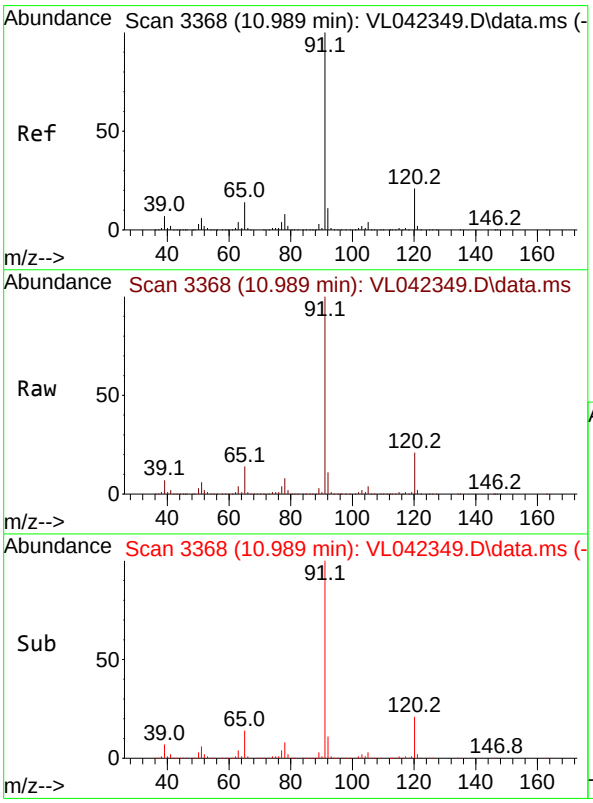
#63
1,1,2,2-Tetrachloroethane
Concen: 8.355 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 295041

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	64.7	32.4	97.0

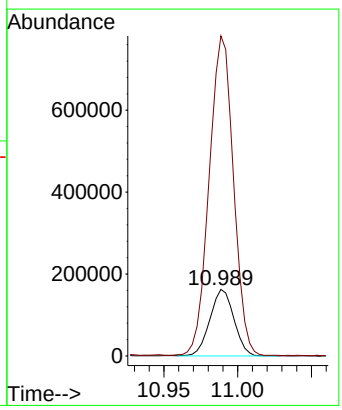


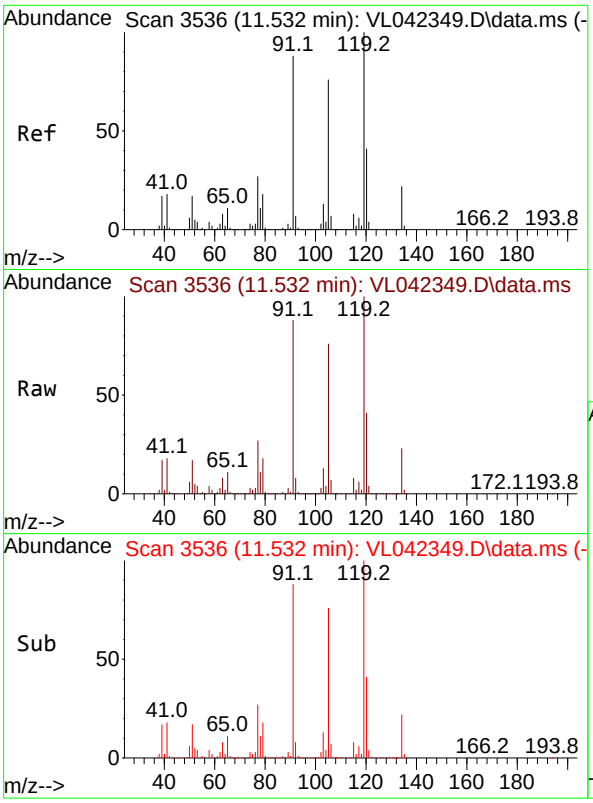


#64
n-propylbenzene
Concen: 9.144 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:120 Resp: 183390

Ion	Ratio	Lower	Upper
120	100		
91	490.5	392.4	588.6



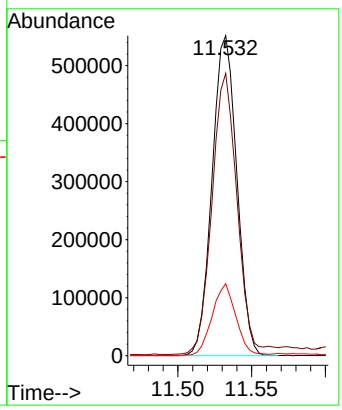


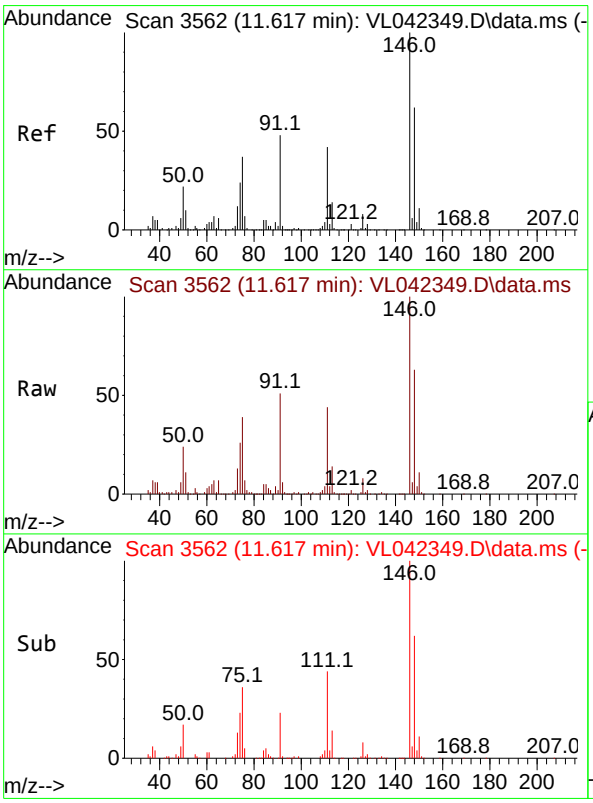
#65
tert-Butylbenzene
Concen: 8.795 ppbv
RT: 11.532 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 644953

Ion	Ratio	Lower	Upper
119	100		
91	93.2	74.6	111.8
134	23.5	18.8	28.2

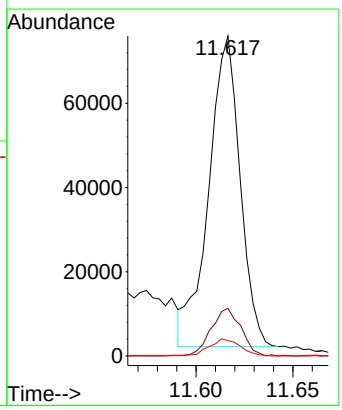


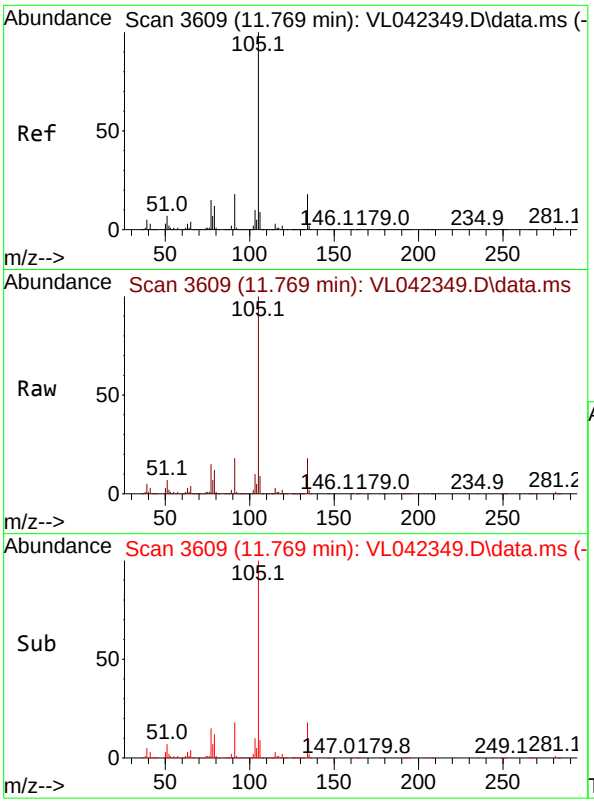


#66
Benzyl Chloride
Concen: 10.333 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 83269

Ion	Ratio	Lower	Upper
91	100		
126	14.7	11.8	17.6
128	5.6	4.5	6.7



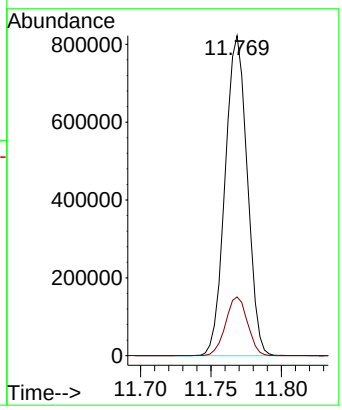


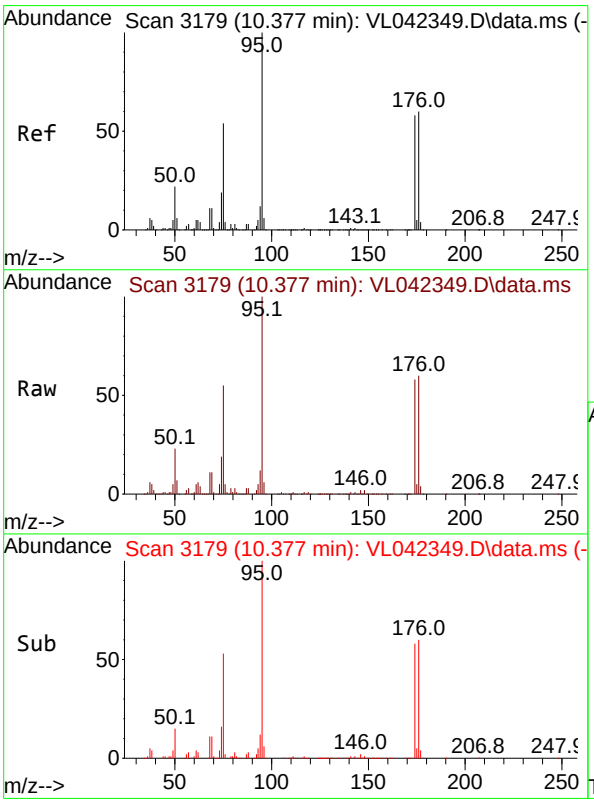
#67
sec-Butylbenzene
Concen: 8.824 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 900074

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

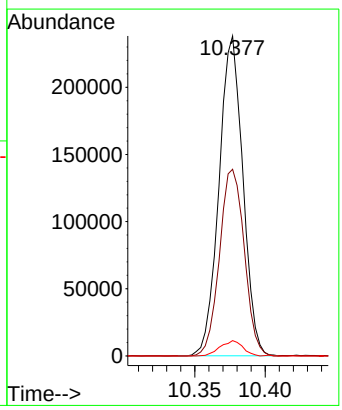


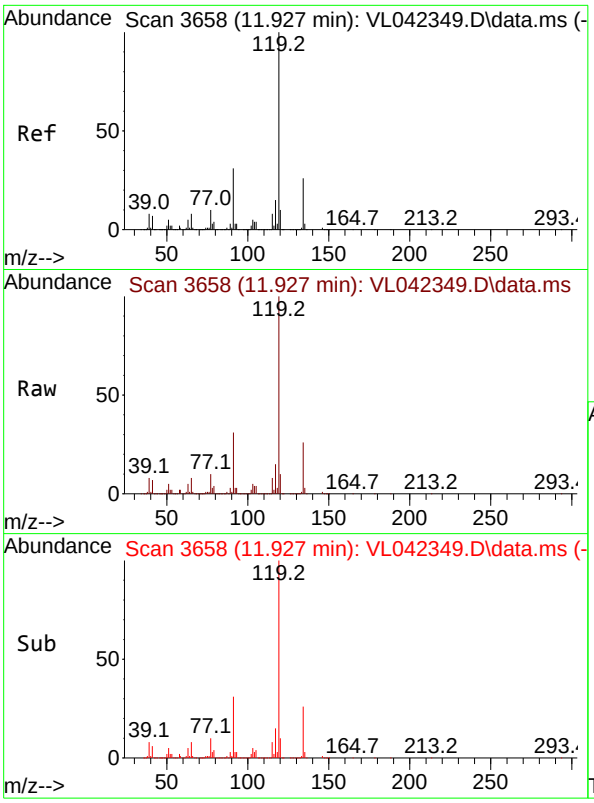


#68
1-Bromo-4-Fluorobenzene
Concen: 10.114 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 95 Resp: 281013

Ion	Ratio	Lower	Upper
95	100		
174	60.6	48.5	72.7
175	4.6	3.7	5.5



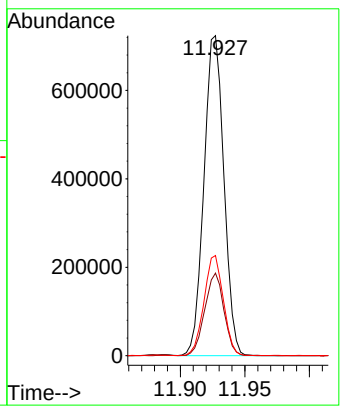


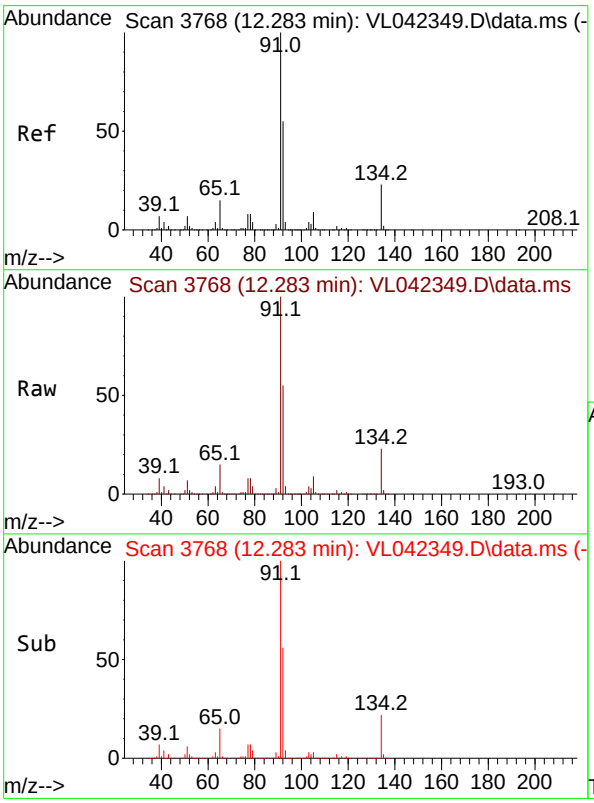
#69
p-Isopropyltoluene
Concen: 8.790 ppbv
RT: 11.927 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 778987

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.0	30.0
91	30.5	24.4	36.6

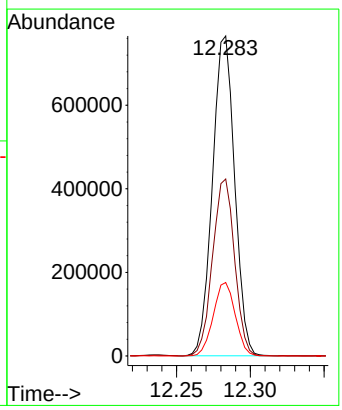


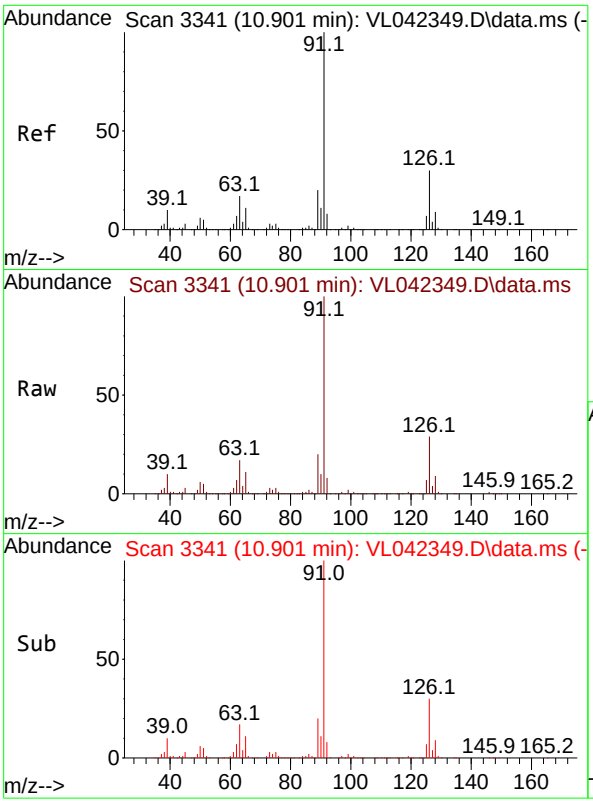


#70
n-Butylbenzene
Concen: 8.682 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion: 91 Resp: 801364

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	22.8	18.2	27.4



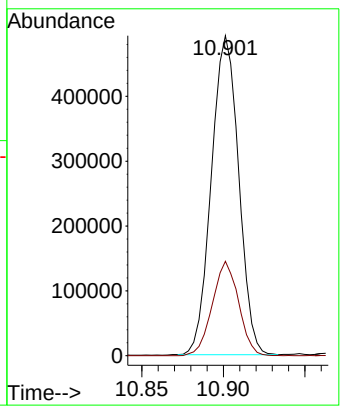


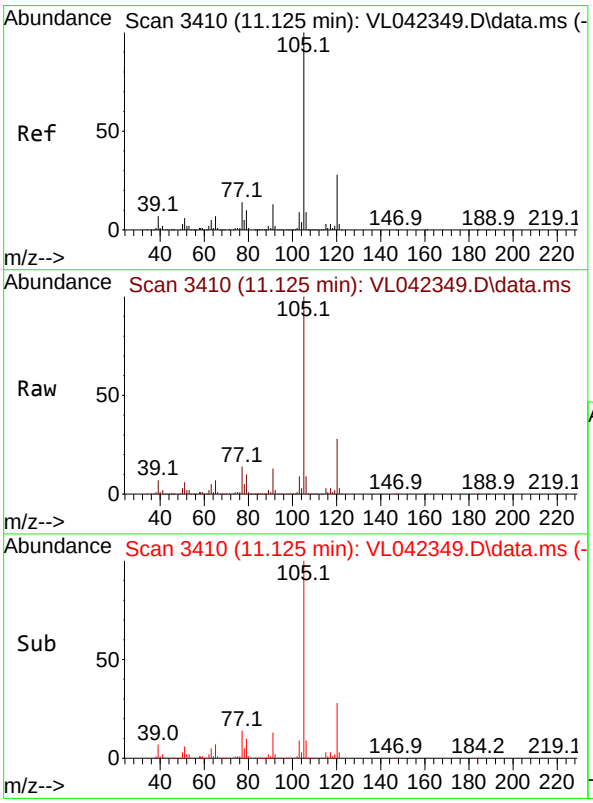
#71
2-Chlorotoluene
Concen: 9.157 ppbv
RT: 10.901 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 573039

Ion	Ratio	Lower	Upper
91	100		
126	28.4	11.4	45.4

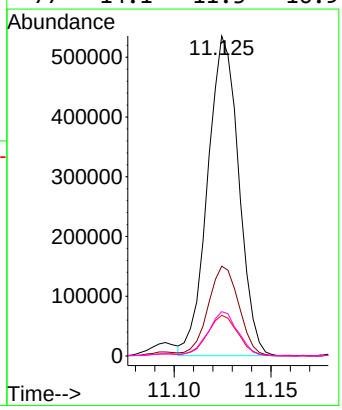


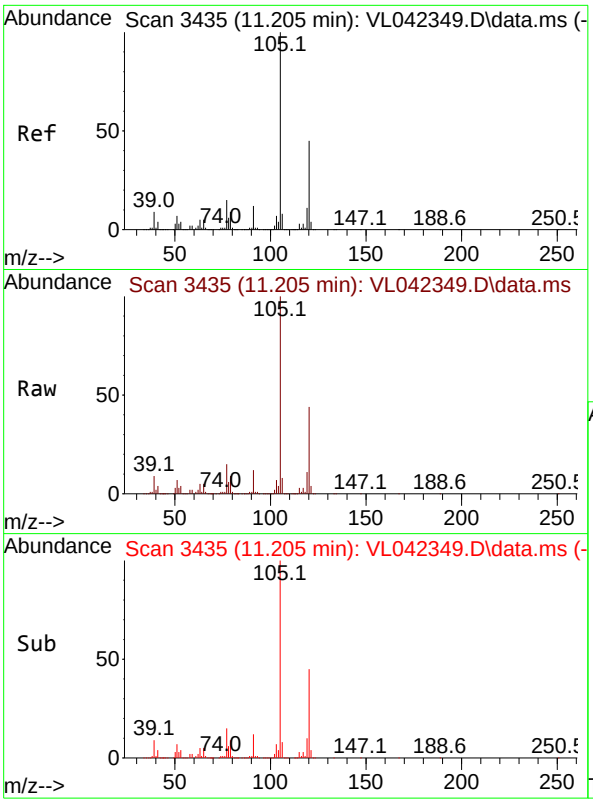


#72
4-Ethyltoluene
Concen: 8.982 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 596757

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.2	34.8
91	13.0	10.4	15.6
77	14.1	11.3	16.9



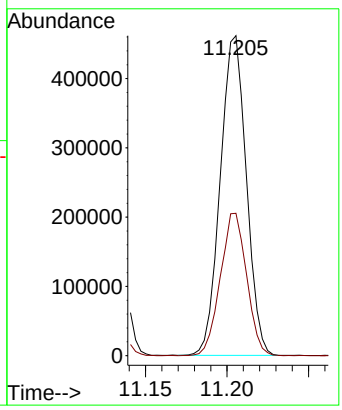


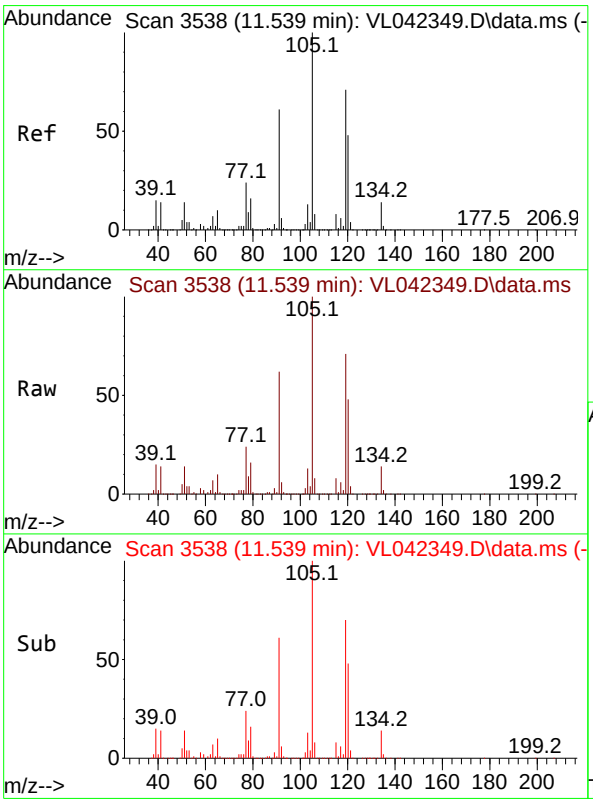
#73
1,3,5-Trimethylbenzene
Concen: 8.743 ppbv
RT: 11.205 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 512855

Ion	Ratio	Lower	Upper
105	100		
120	44.5	35.6	53.4

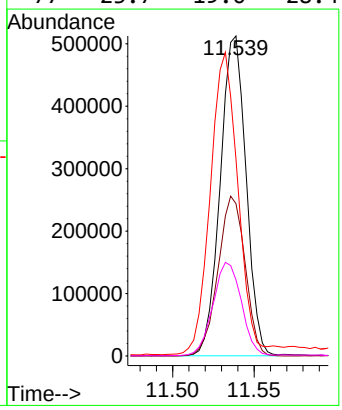


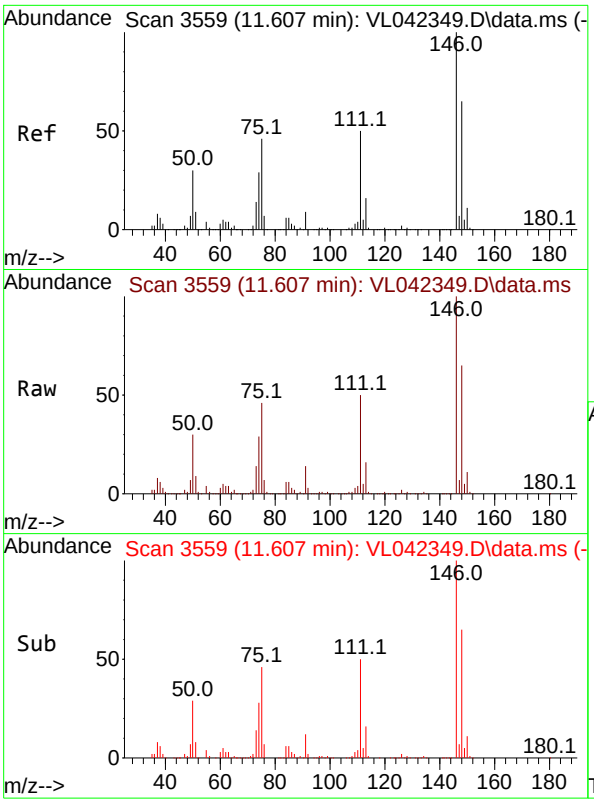


#74
1,2,4-Trimethylbenzene
Concen: 8.248 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:105 Resp: 565064

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.1	57.1
91	61.0	48.8	73.2
77	23.7	19.0	28.4



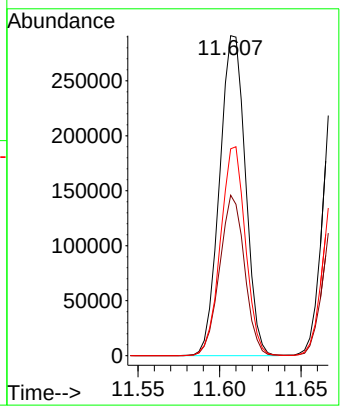


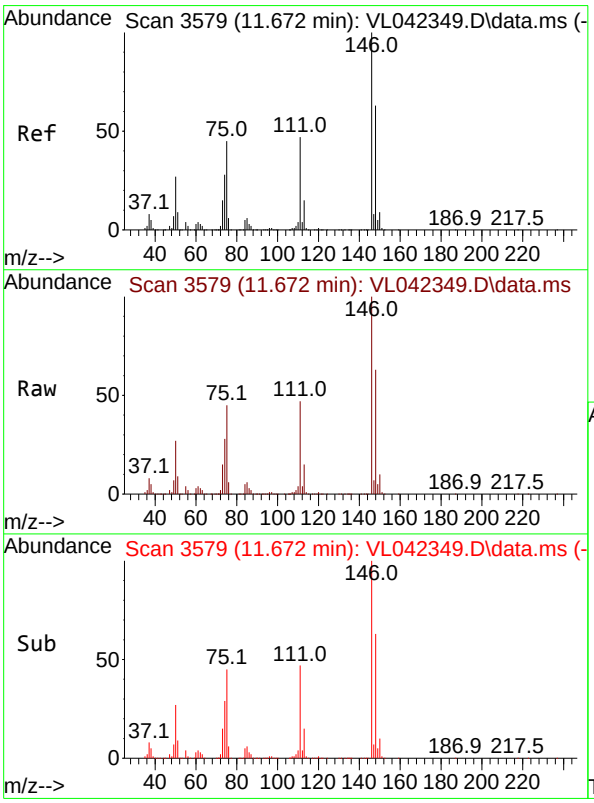
#75
1,3-Dichlorobenzene
Concen: 8.997 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 320380

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	72.8
148	63.2	31.6	94.8

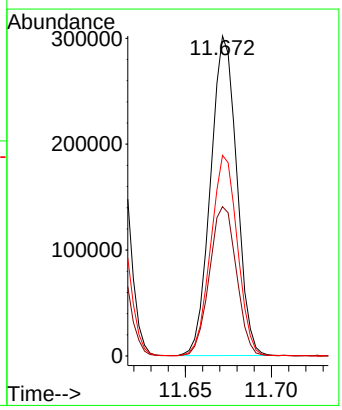


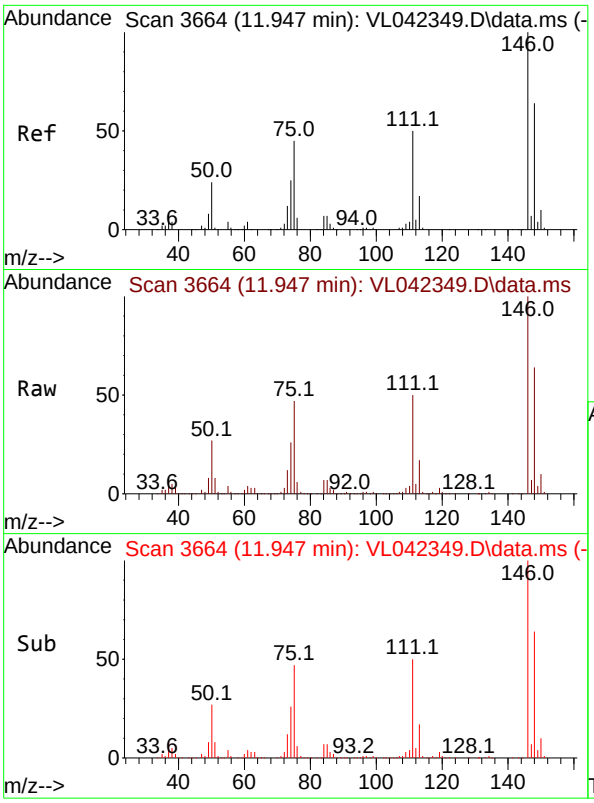


#76
1,4-Dichlorobenzene
Concen: 8.915 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:146 Resp: 319089

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.2	72.6
148	64.3	32.1	96.5



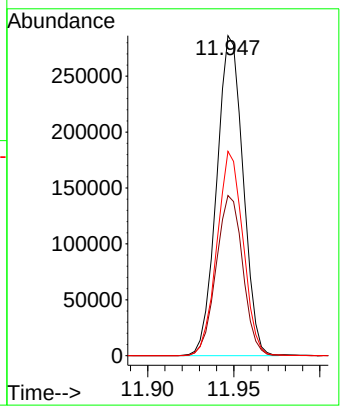


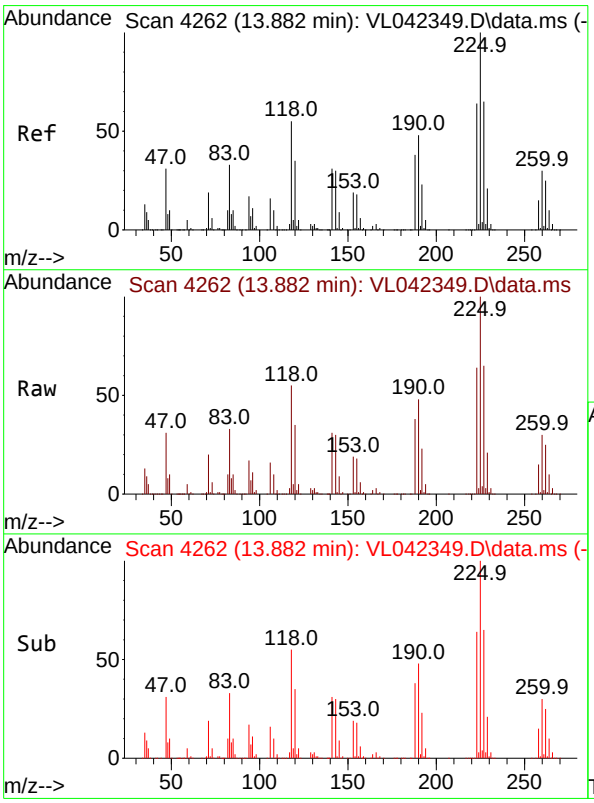
#77
1,2-Dichlorobenzene
Concen: 8.832 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 305822

Ion	Ratio	Lower	Upper
146	100		
111	50.6	25.3	75.9
148	63.0	31.5	94.5

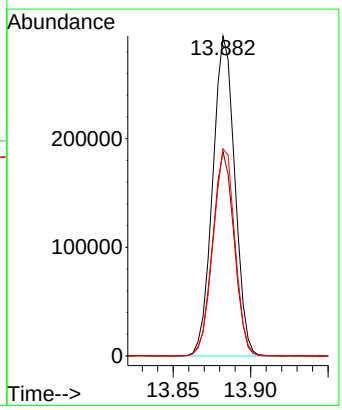


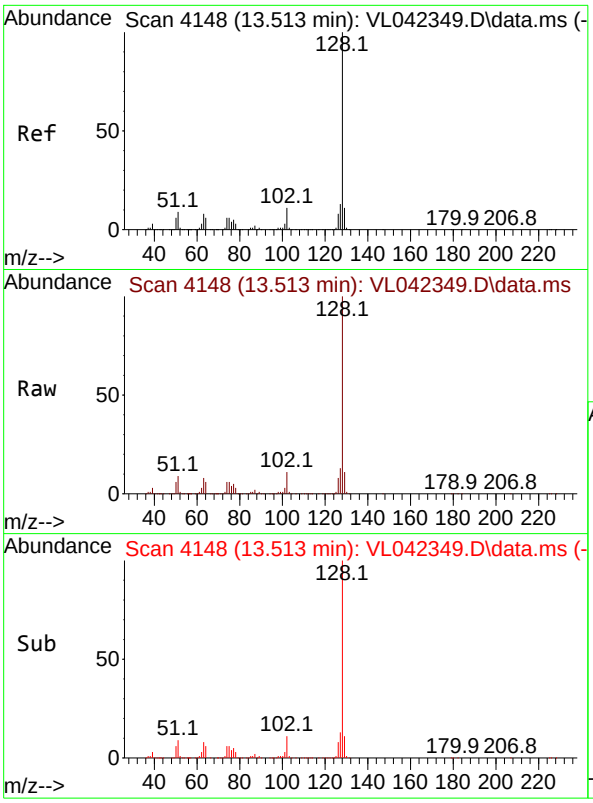


#78
Hexachloro-1,3-Butadiene
Concen: 8.346 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:225 Resp: 291833

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	64.4	51.5	77.3



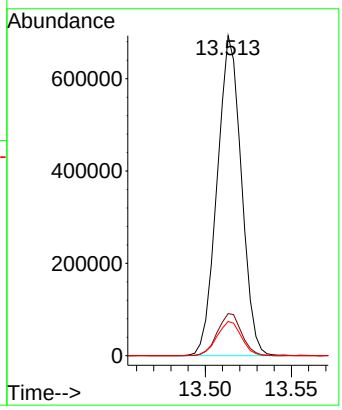


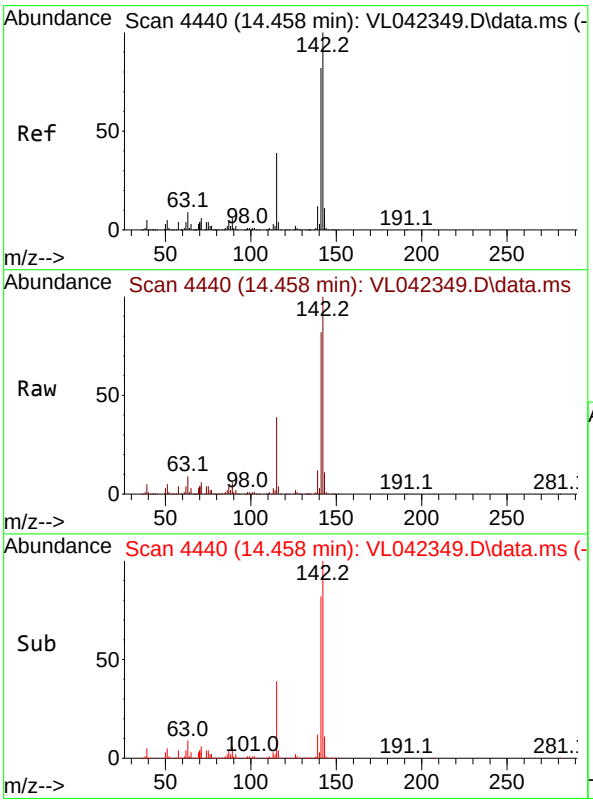
#79
Naphthalene
Concen: 8.271 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 677578

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

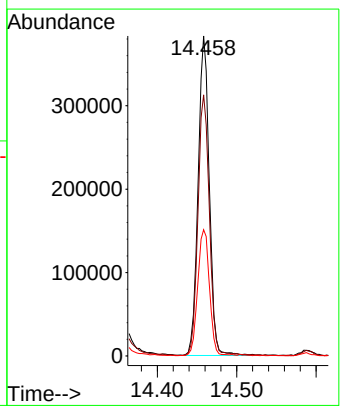


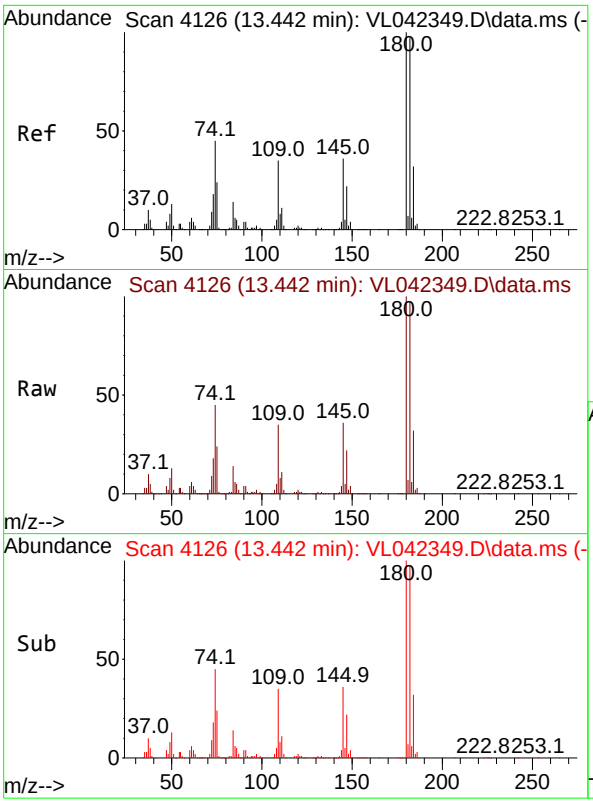


#80
Naphthalene,2-methyl-
Concen: 8.074 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Tgt Ion:142 Resp: 376995

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.8	100.2
115	41.8	33.4	50.2



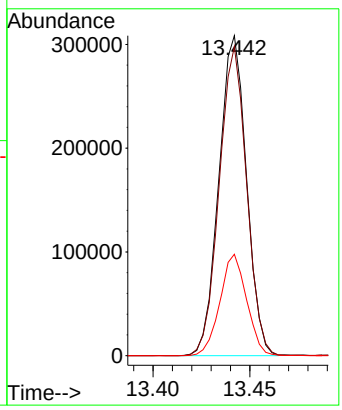


#81
1,2,4-Trichlorobenzene
Concen: 8.702 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042349.D
Acq: 17 Apr 2025 09:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 306119

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.7	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	123206	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	355918	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	335603	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	275715	9.998	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	45008	2.068	ppbv		95
3) Chlorodifluoromethane	1.476	51	41853	2.019	ppbv		97
4) Chloromethane	1.534	50	17272	2.005	ppbv		93
5) Vinyl Chloride	1.580	62	16979	1.811	ppbv		92
6) Bromomethane	1.667	94	7398	1.821	ppbv	#	80
7) Chloroethane	1.706	64	6889	2.031	ppbv		98
8) Dichlorotetrafluoroethane	1.554	85	38955	2.084	ppbv		98
9) Propene	1.483	41	18671	1.978	ppbv		97
10) Heptane	4.978	43	34658	1.364	ppbv	#	62
11) Trichlorofluoromethane	1.877	101	43035	2.079	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.140	101	35415	2.092	ppbv		100
13) Ethanol	1.722	45	1417	1.837	ppbv		59
14) Bromoethene	1.780	108	13049	2.045	ppbv	#	92
15) Acetone	1.835	43	42949	2.129	ppbv		93
16) 1,3-Butadiene	1.609	39	18110	1.912	ppbv		96
17) tert-Butyl alcohol	2.042	59	51829	2.074	ppbv	#	94
18) 1,1-Dichloroethene	2.036	96	15690	1.928	ppbv		87
19) Isopropyl Alcohol	1.887	45	22106	1.973	ppbv	#	38
20) Methylene Chloride	2.062	84	14329	1.814	ppbv	#	82
21) Allyl Chloride	2.098	41	27340	1.963	ppbv		95
22) trans-1,2-Dichloroethene	2.340	96	18142	2.015	ppbv		97
23) Vinyl Acetate	2.463	43	18454	2.260	ppbv	#	91
24) 1,1-Dichloroethane	2.411	63	34077	1.993	ppbv		96
25) Ethyl Acetate	2.835	43	101467	2.040	ppbv		99
26) Hexane	2.826	57	40046	1.990	ppbv		99
27) Carbon Disulfide	2.149	76	43975	2.041	ppbv	#	64
28) Methyl tert-Butyl Ether	2.441	73	27905	2.116	ppbv		97
29) Chloroform	2.848	83	58946	2.072	ppbv		100
30) Cyclohexane	3.858	84	33195	2.048	ppbv		94
31) cis-1,2-Dichloroethene	2.722	61	39249	2.051	ppbv		98
32) 1,1,1-Trichloroethane	3.366	97	61442	2.014	ppbv		99
34) 2-Butanone	2.560	43	58249	2.069	ppbv		100
35) Carbon Tetrachloride	3.761	117	60291	1.872	ppbv		88
36) Benzene	3.658	78	79814	2.079	ppbv		98
37) 1,2-Dichloroethane	3.217	62	47398	2.057	ppbv		100
38) Trichloroethene	4.544	130	16602	0.986	ppbv		94
39) 1,2-Dichloropropane	4.315	63	28806	2.012	ppbv		96
40) 1,4-Dioxane	4.593	88	16026	2.067	ppbv	#	81
41) Tetrahydrofuran	3.059	42	33298	2.047	ppbv		98
42) Bromodichloromethane	4.489	83	64941	2.025	ppbv		97
43) Methyl Methacrylate	4.881	69	35256	2.046	ppbv		97
44) 2,2,4-Trimethylpentane	4.645	57	139641	2.103	ppbv		99
45) t-1,3-Dichloropropene	6.415	75	36265	2.050	ppbv		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

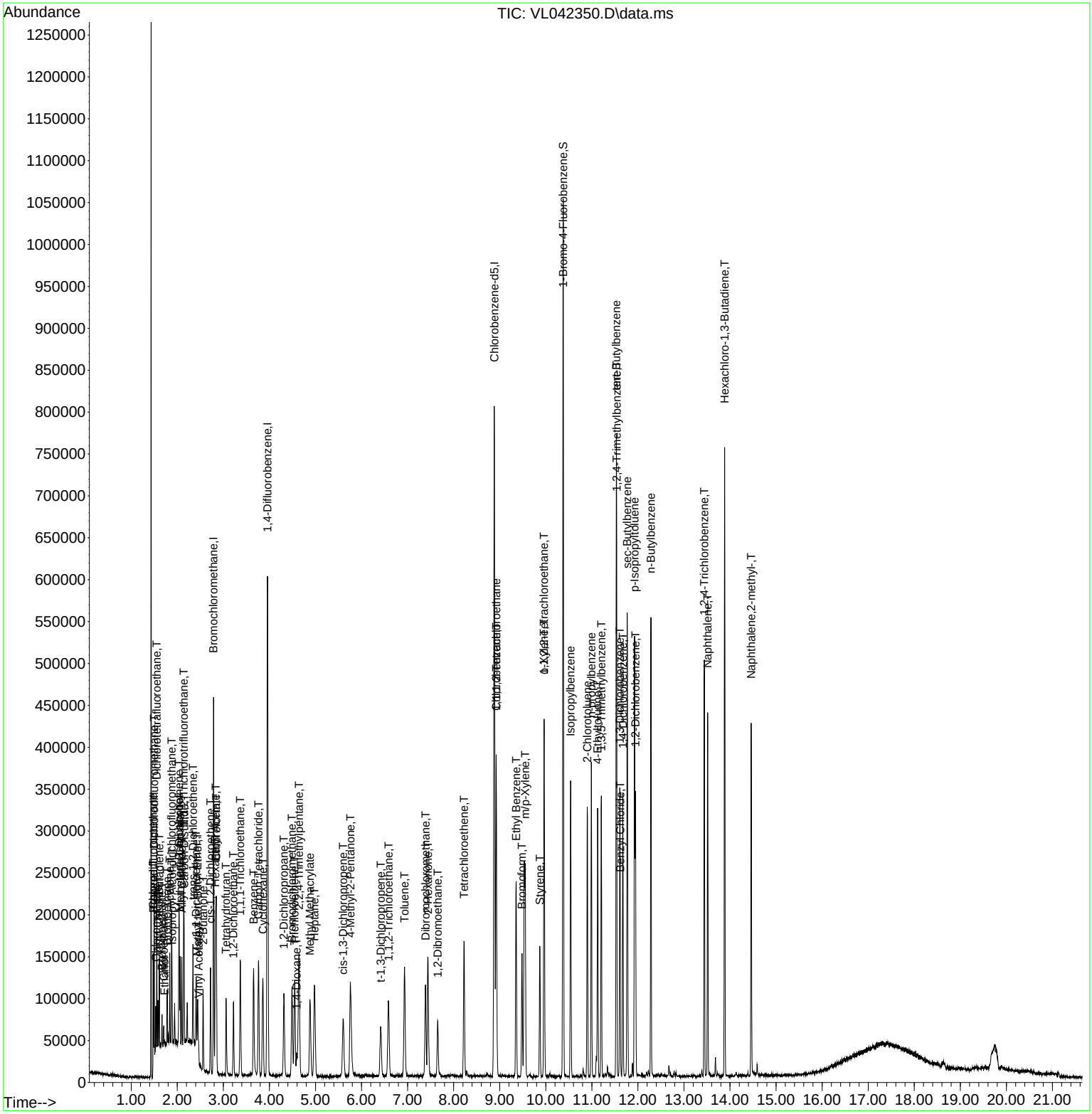
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	25569	1.183	ppbv		90
47) 1,1,2-Trichloroethane	6.590	97	29879	2.049	ppbv		88
48) Dibromochloromethane	7.389	129	53069	2.061	ppbv		100
49) Bromoform	9.483	173	48069	2.135	ppbv		97
50) 4-Methyl-2-Pentanone	5.758	43	102182	2.180	ppbv		99
51) 2-Hexanone	7.441	43	100443	2.375	ppbv		98
52) Tetrachloroethene	8.228	164	27854	1.877	ppbv		96
53) Toluene	6.933	91	97493	2.116	ppbv		98
54) 1,2-Dibromoethane	7.655	107	43153	2.076	ppbv		87
56) 1,1,1,2-Tetrachloroethane	8.924	131	42601	2.097	ppbv		95
57) Chlorobenzene	8.924	112	71685	2.054	ppbv		98
58) Ethyl Benzene	9.357	91	138810	2.088	ppbv		98
59) m/p-Xylene	9.551	91	103886	1.934	ppbv	#	32
60) o-Xylene	9.963	91	111972	2.076	ppbv		98
61) Styrene	9.872	104	54229	2.106	ppbv		98
62) Isopropylbenzene	10.539	105	163716	2.067	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	64952	1.853	ppbv		99
64) n-propylbenzene	10.989	120	40956	2.058	ppbv		96
65) tert-Butylbenzene	11.532	119	155401	2.135	ppbv		92
66) Benzyl Chloride	11.616	91	17300	2.163	ppbv		98
67) sec-Butylbenzene	11.769	105	218327	2.156	ppbv		100
69) p-Isopropyltoluene	11.927	119	188657	2.145	ppbv		99
70) n-Butylbenzene	12.283	91	198221	2.164	ppbv		99
71) 2-Chlorotoluene	10.901	91	128858	2.075	ppbv		98
72) 4-Ethyltoluene	11.124	105	137872	2.091	ppbv		97
73) 1,3,5-Trimethylbenzene	11.205	105	123580	2.123	ppbv		98
74) 1,2,4-Trimethylbenzene	11.539	105	145510	2.140	ppbv		92
75) 1,3-Dichlorobenzene	11.607	146	75082	2.124	ppbv		98
76) 1,4-Dichlorobenzene	11.671	146	75323	2.120	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	74786	2.176	ppbv		98
78) Hexachloro-1,3-Butadiene	13.882	225	76158	2.194	ppbv		100
79) Naphthalene	13.513	128	195233	2.401	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	119262	2.574	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	82156	2.353	ppbv		99

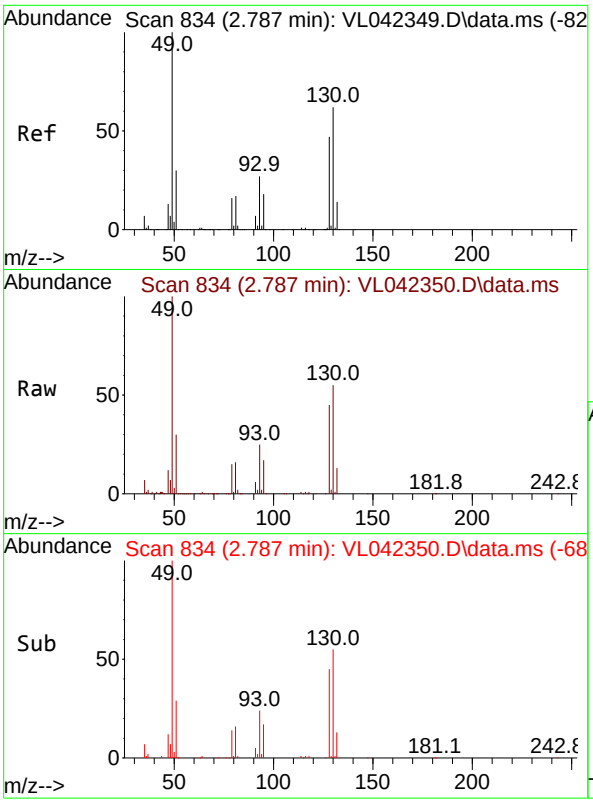
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042350.D
Acq On : 17 Apr 2025 10:17
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Apr 18 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



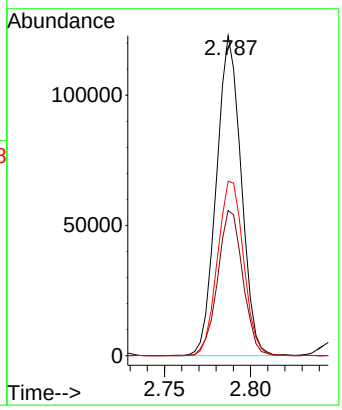


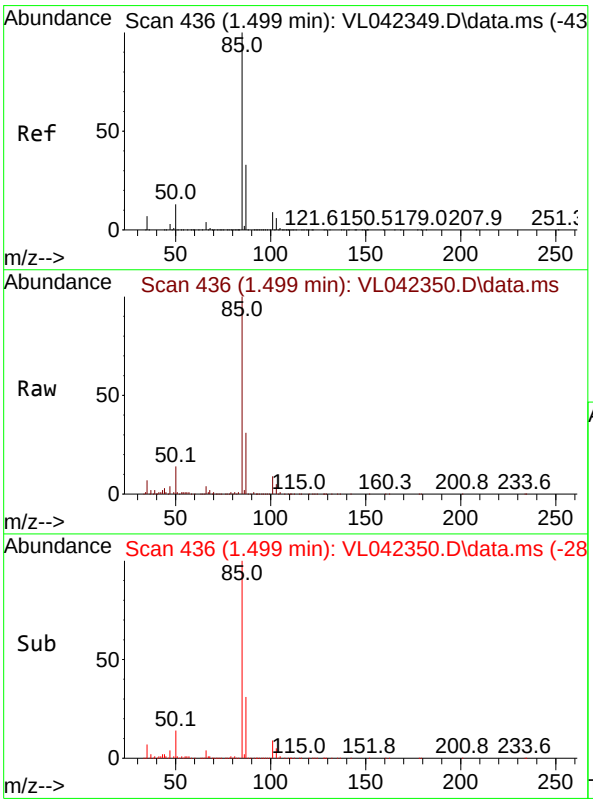
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 123206

Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.8	68.4
130	57.3	29.3	88.0

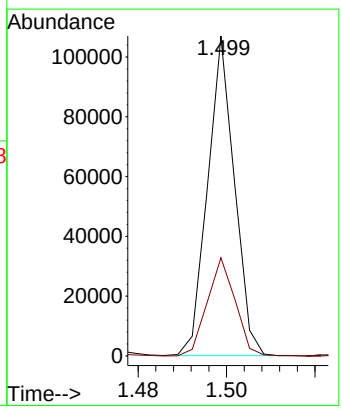


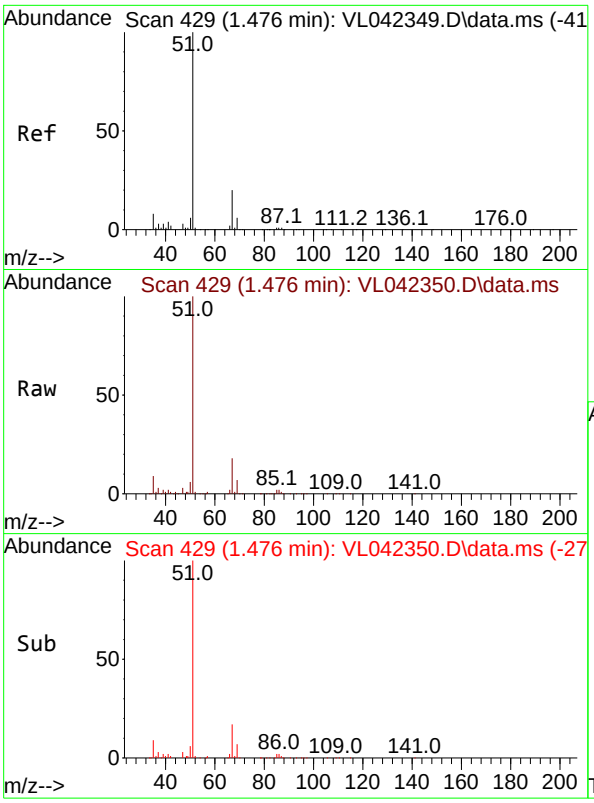


#2
Dichlorodifluoromethane
Concen: 2.068 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 85 Resp: 45008

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.6	39.8



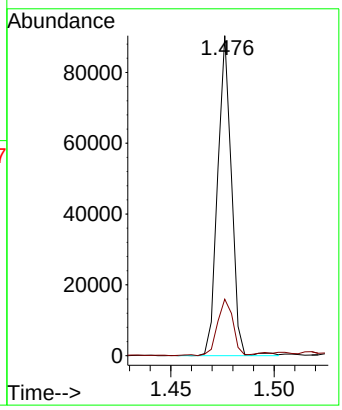


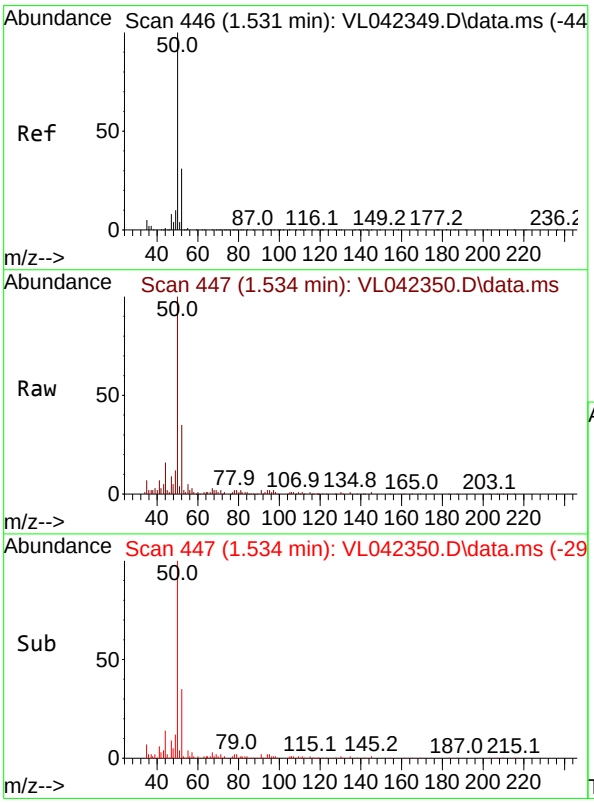
#3
Chlorodifluoromethane
Concen: 2.019 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 41853

Ion	Ratio	Lower	Upper
51	100		
67	21.7	16.2	24.4

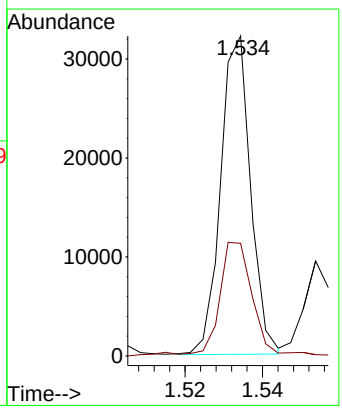


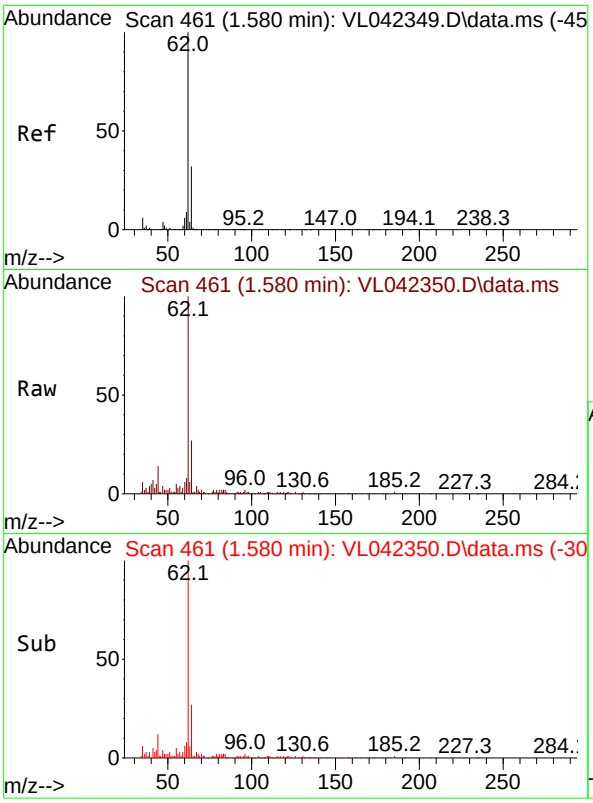


#4
Chloromethane
Concen: 2.005 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 50 Resp: 17272

Ion	Ratio	Lower	Upper
50	100		
52	34.9	24.7	37.1



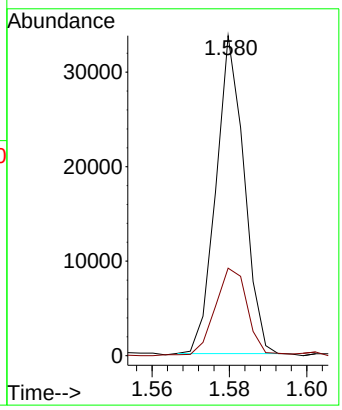


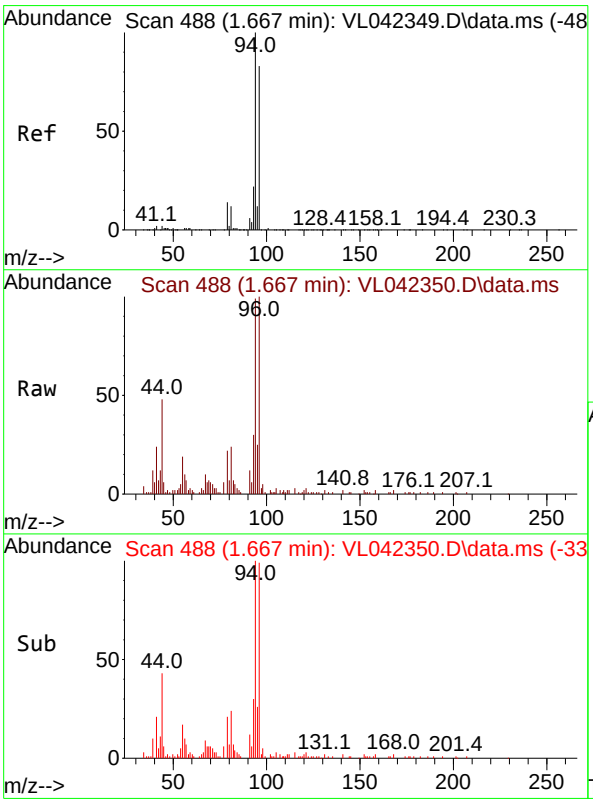
#5
Vinyl Chloride
Concen: 1.811 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 16979

Ion	Ratio	Lower	Upper
62	100		
64	27.2	25.4	38.0

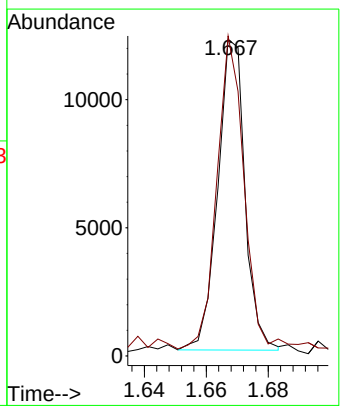


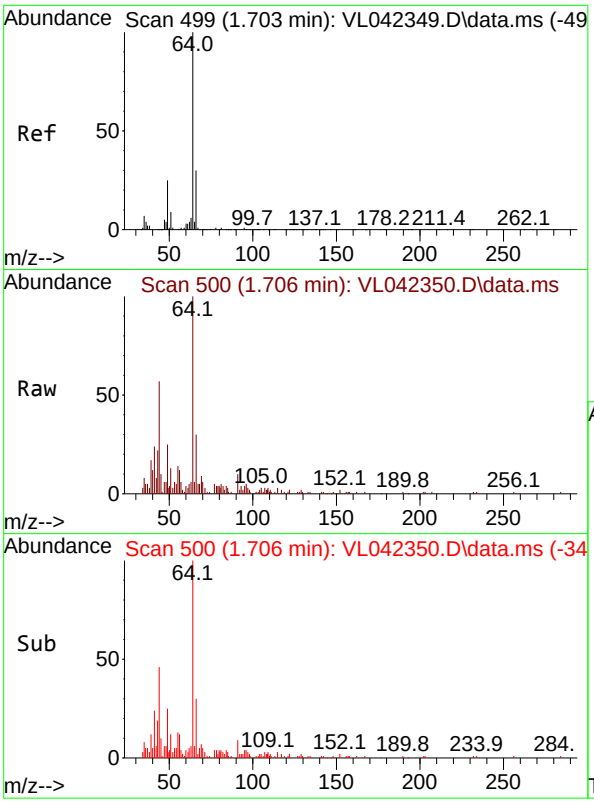


#6
Bromomethane
Concen: 1.821 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 94 Resp: 7398

Ion	Ratio	Lower	Upper
94	100		
96	100.8	66.2	99.2#



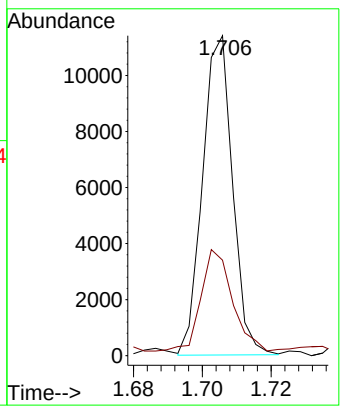


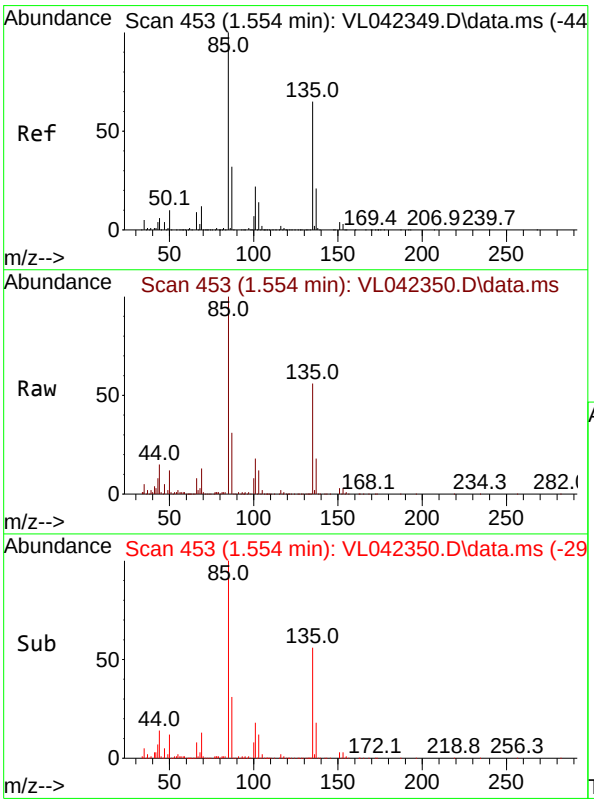
#7
Chloroethane
Concen: 2.031 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 6889

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.6	37.0

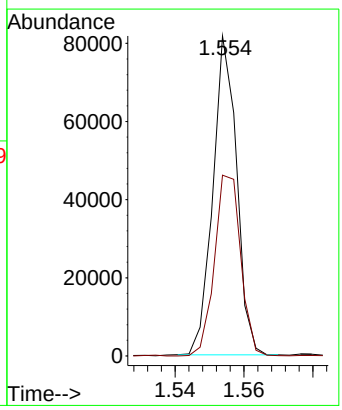


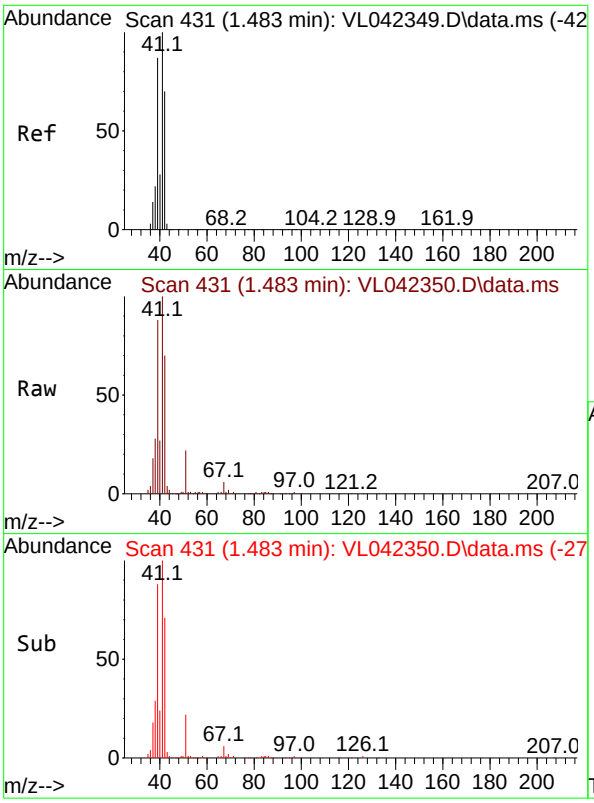


#8
Dichlorotetrafluoroethane
Concen: 2.084 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 85 Resp: 38955

Ion	Ratio	Lower	Upper
85	100		
135	63.3	52.2	78.2



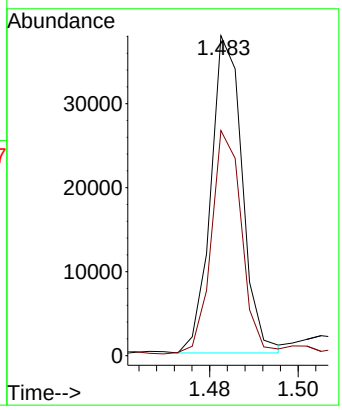


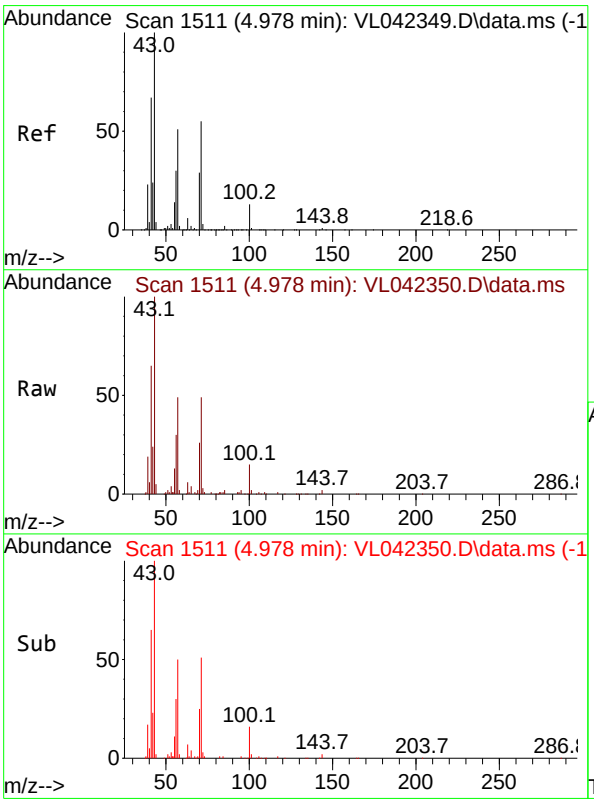
#9
Propene
Concen: 1.978 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 18671

Ion	Ratio	Lower	Upper
41	100		
42	72.7	56.2	84.4

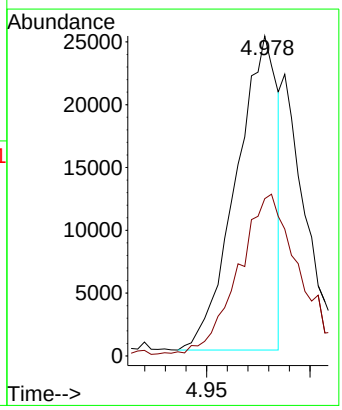


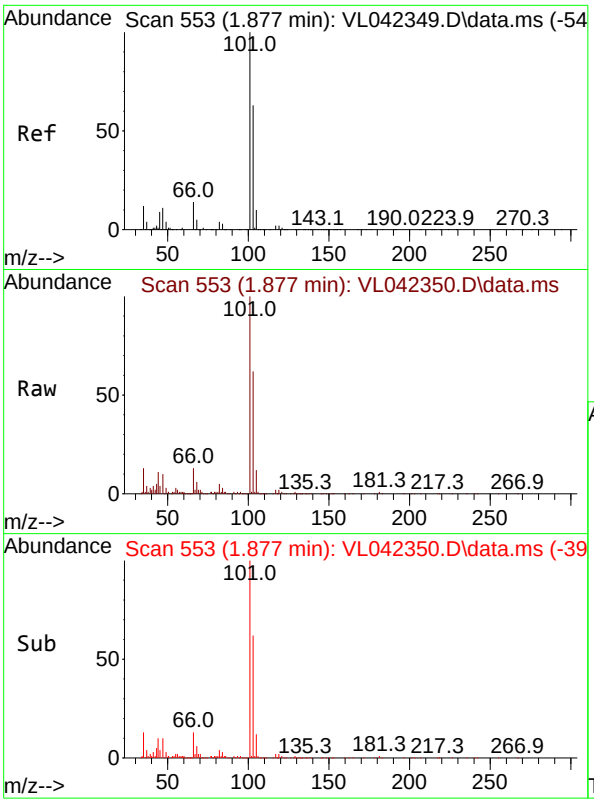


#10
Heptane
Concen: 1.364 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 34658

Ion	Ratio	Lower	Upper
43	100		
57	75.9	39.9	59.9#



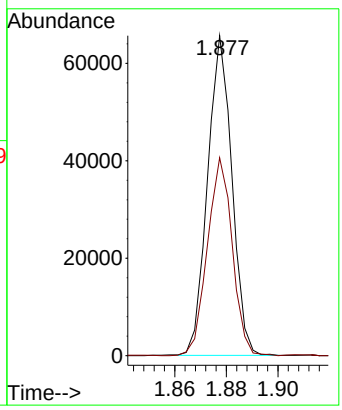


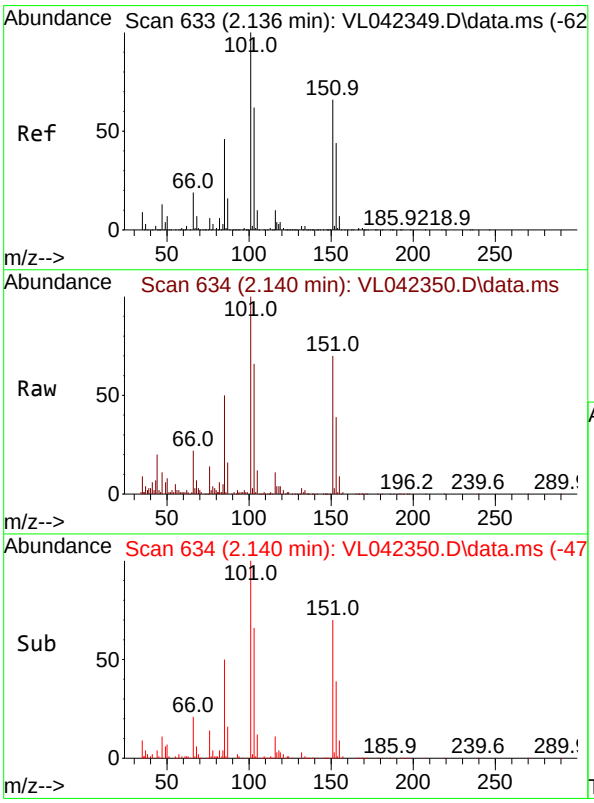
#11
Trichlorofluoromethane
Concen: 2.079 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 43035

Ion	Ratio	Lower	Upper
101	100		
103	61.9	50.1	75.1

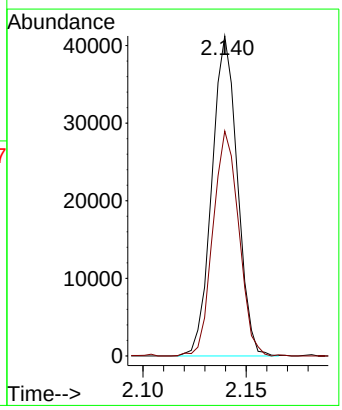


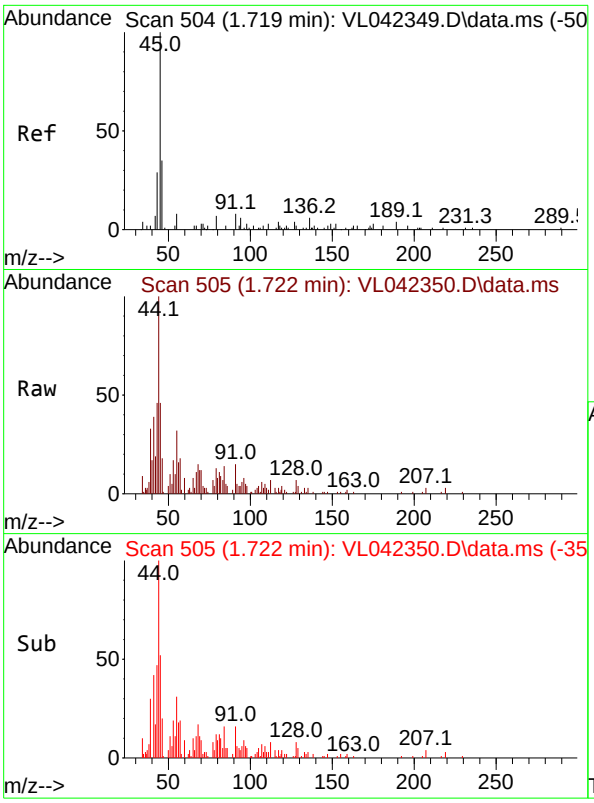


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.092 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:101 Resp: 35415

Ion	Ratio	Lower	Upper
101	100		
151	71.5	57.0	85.6



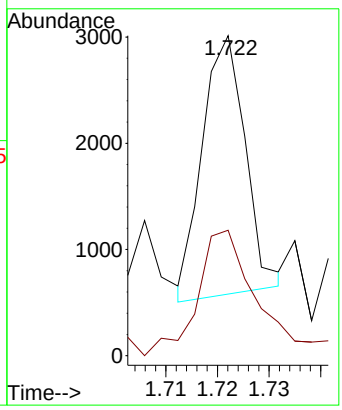


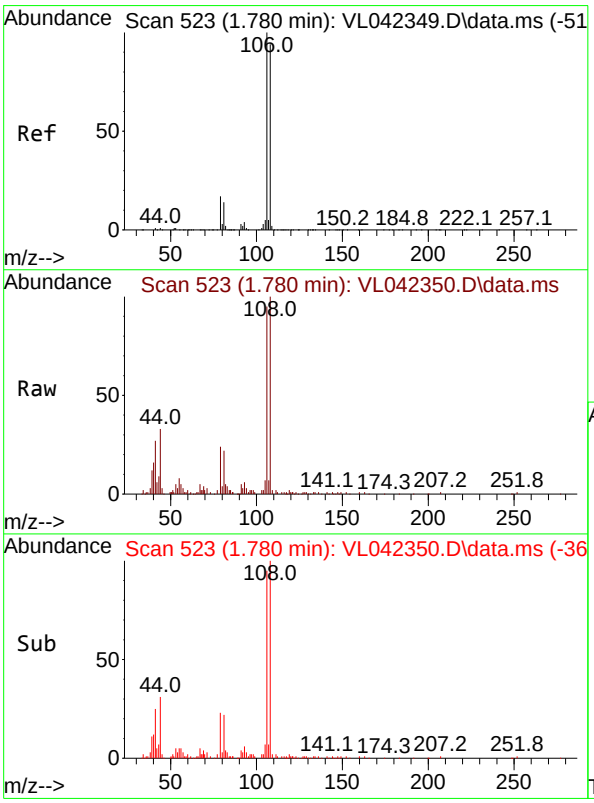
#13
Ethanol
Concen: 1.837 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 1417

Ion	Ratio	Lower	Upper
45	100		
46	84.1	21.9	87.7

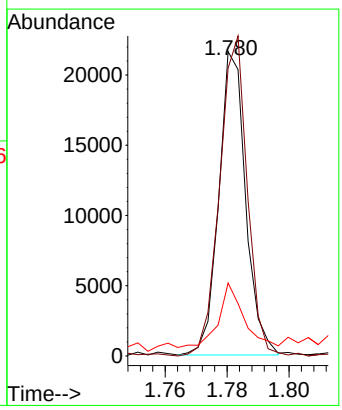


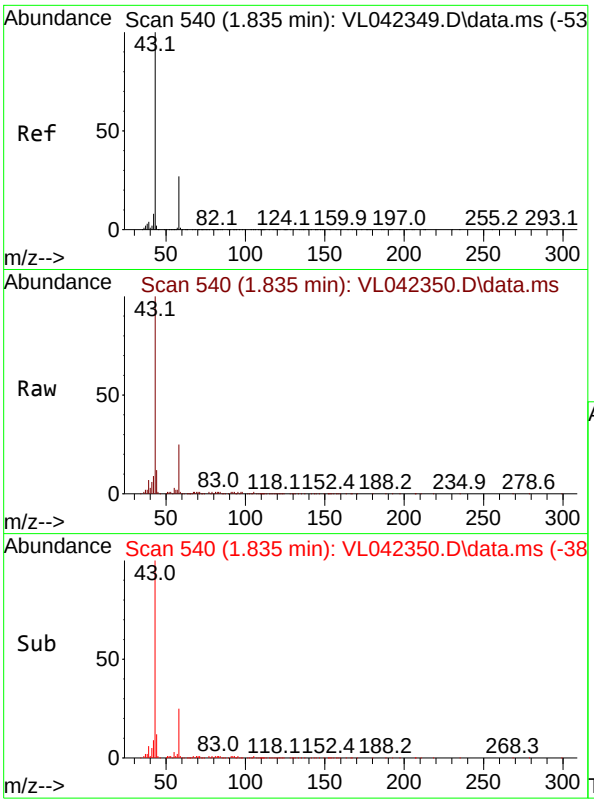


#14
Bromoethene
Concen: 2.045 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:108 Resp: 13049

Ion	Ratio	Lower	Upper
108	100		
106	110.2	85.9	128.9
79	34.0	13.9	20.9#



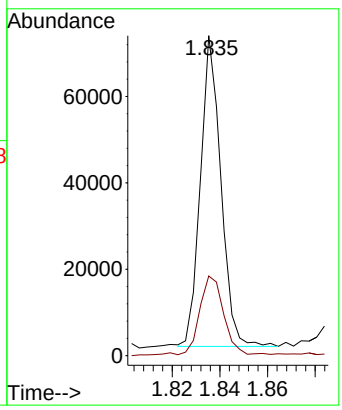


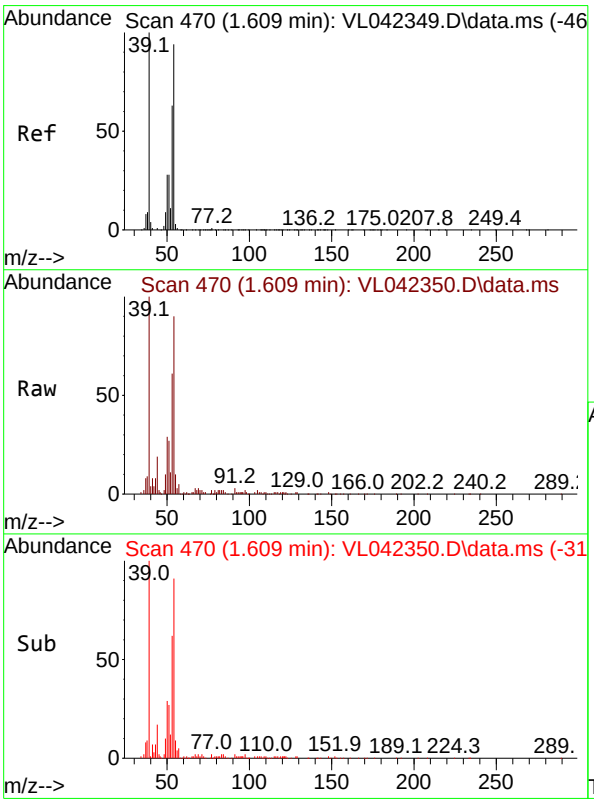
#15
Acetone
Concen: 2.129 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 42949

Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.4	33.6

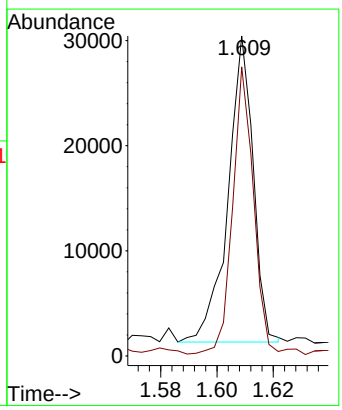


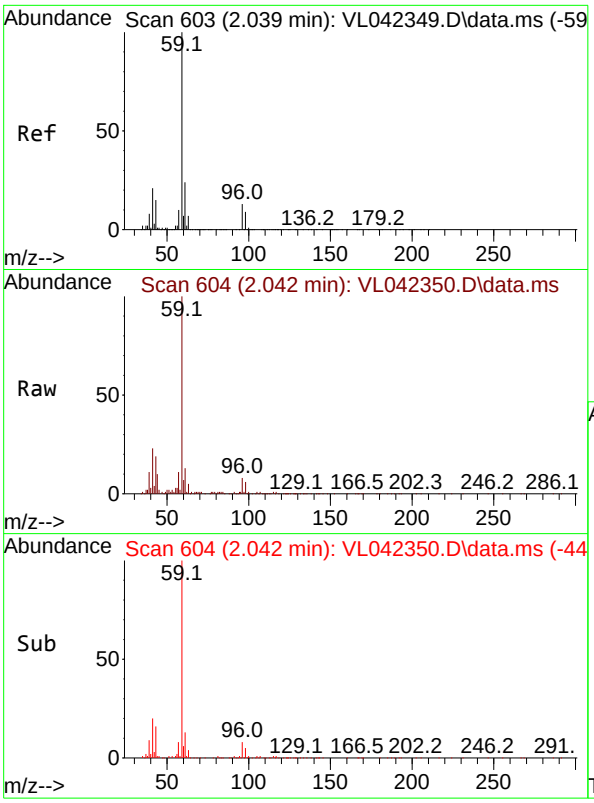


#16
1,3-Butadiene
Concen: 1.912 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 39 Resp: 18110

Ion	Ratio	Lower	Upper
39	100		
54	77.2	64.9	97.3



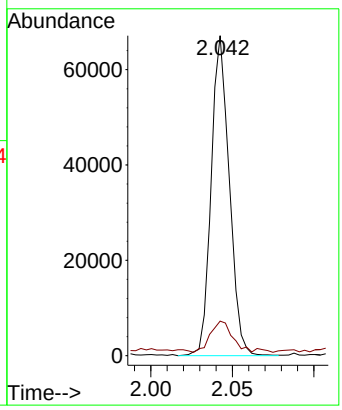


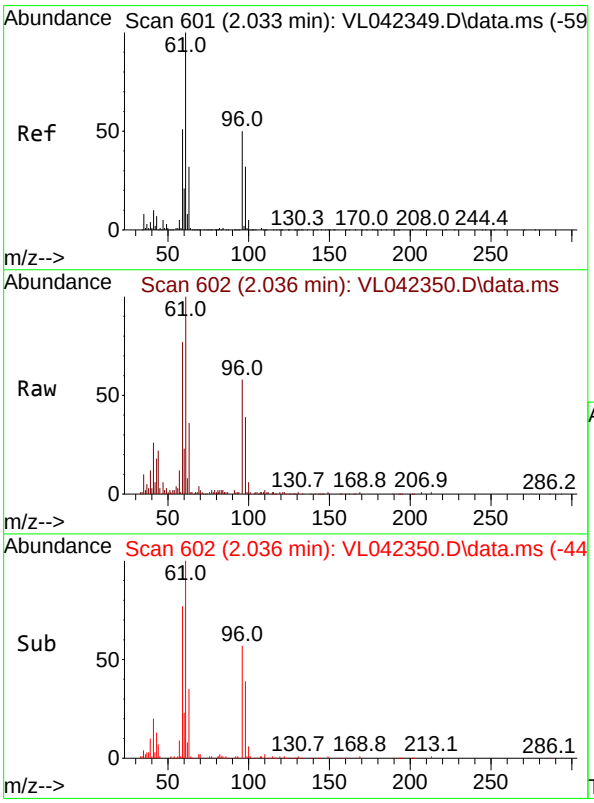
#17
tert-Butyl alcohol
Concen: 2.074 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 51829

Ion	Ratio	Lower	Upper
59	100		
57	13.2	8.7	13.1#

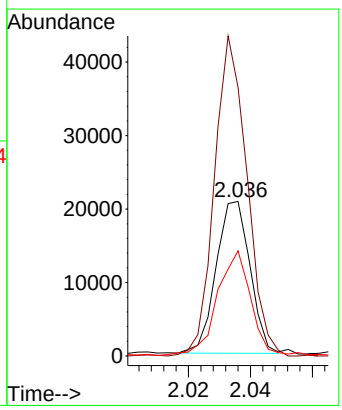


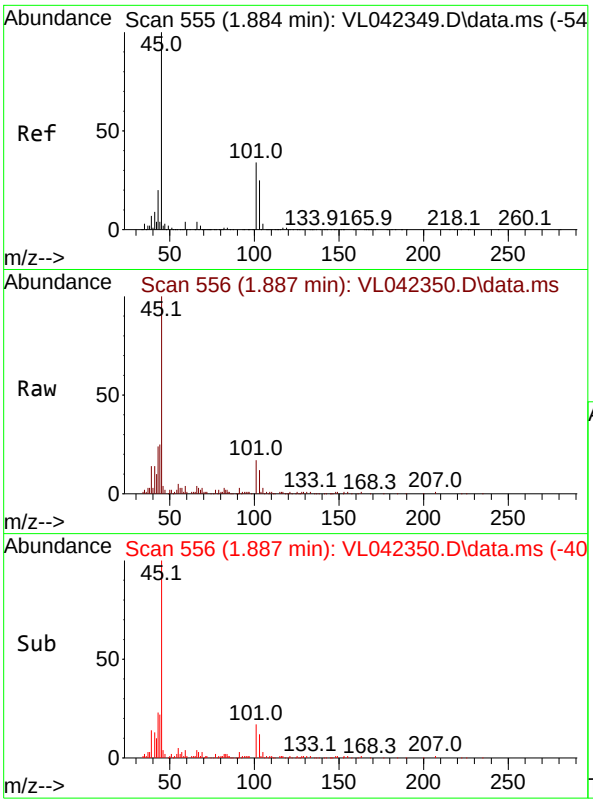


#18
1,1-Dichloroethene
Concen: 1.928 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 96 Resp: 15690

Ion	Ratio	Lower	Upper
96	100		
61	176.1	160.2	240.2
98	67.2	51.0	76.4



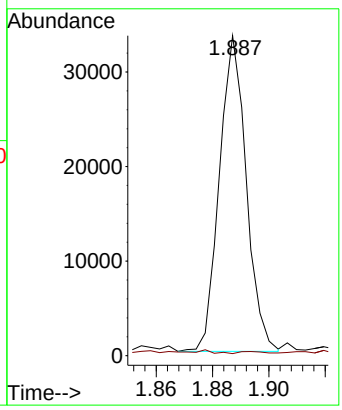


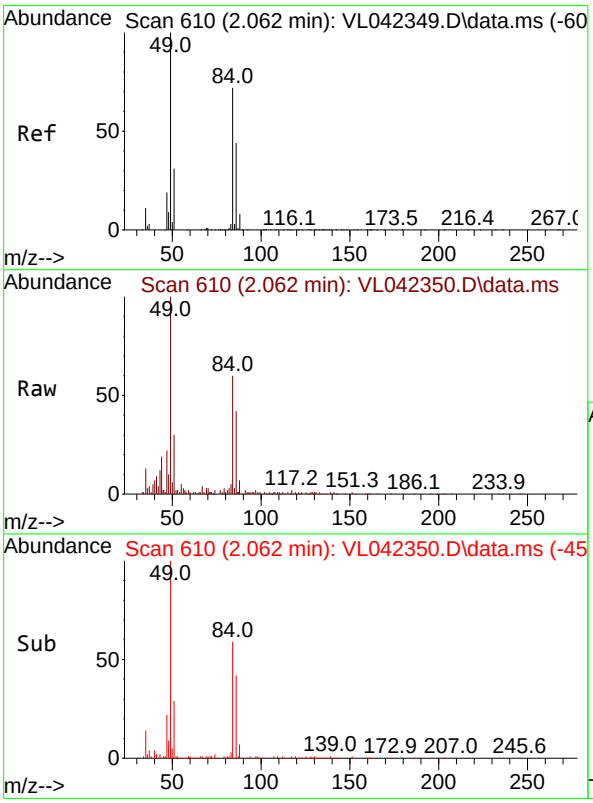
#19
Isopropyl Alcohol
Concen: 1.973 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 22106

Ion	Ratio	Lower	Upper
45	100		
58	3.6	34.5	51.7#

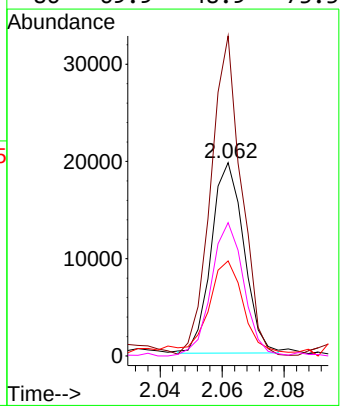


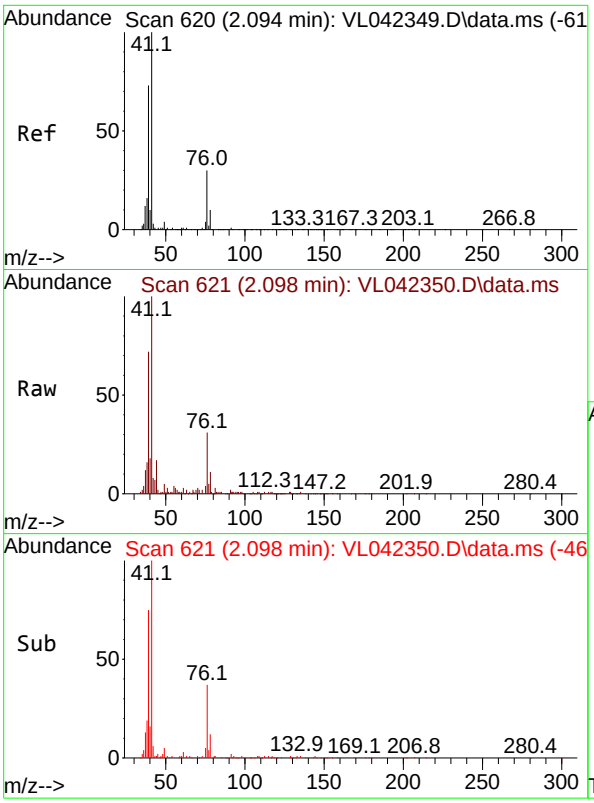


#20
Methylene Chloride
Concen: 1.814 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 84 Resp: 14329

Ion	Ratio	Lower	Upper
84	100		
49	169.1	111.6	167.4#
51	47.9	35.1	52.7
86	69.9	48.9	73.3



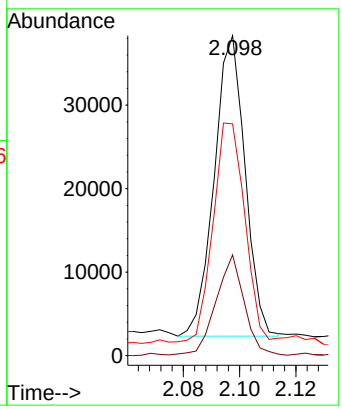


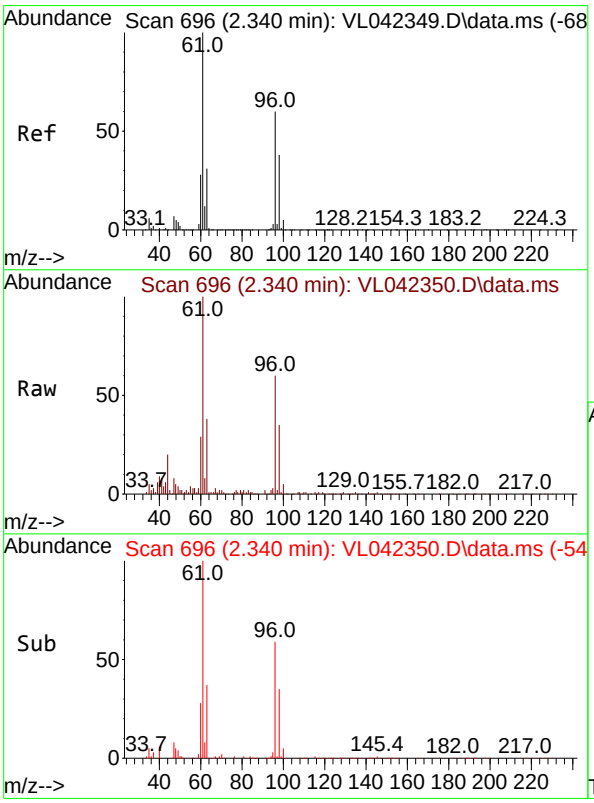
#21
Allyl Chloride
Concen: 1.963 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 27340

Ion	Ratio	Lower	Upper
41	100		
76	31.9	24.8	37.2
39	81.2	60.6	90.8

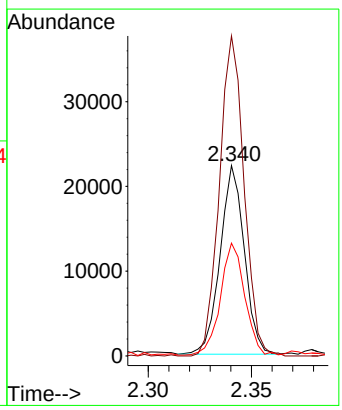


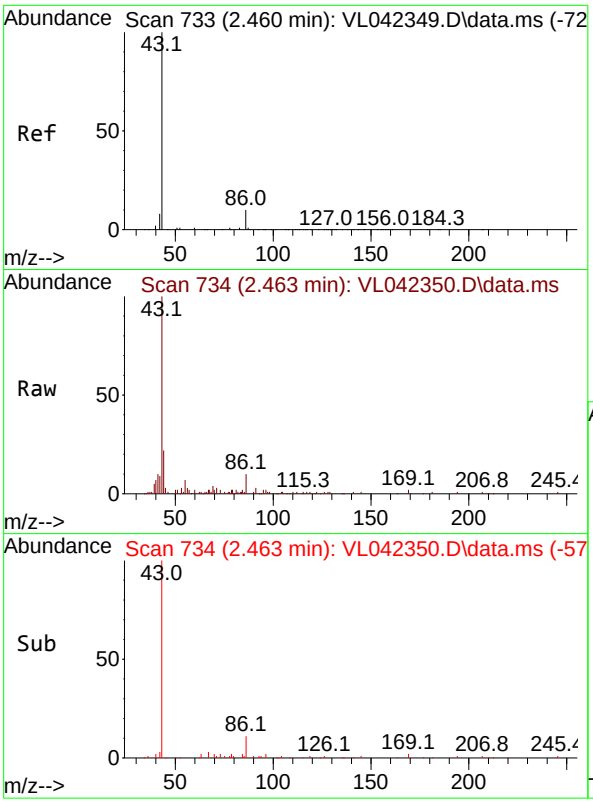


#22
trans-1,2-Dichloroethene
Concen: 2.015 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 96 Resp: 18142

Ion	Ratio	Lower	Upper
96	100		
61	169.6	133.7	200.5
98	59.3	50.3	75.5



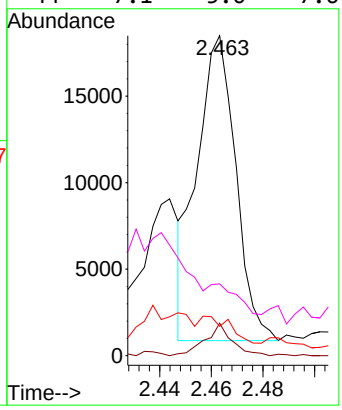


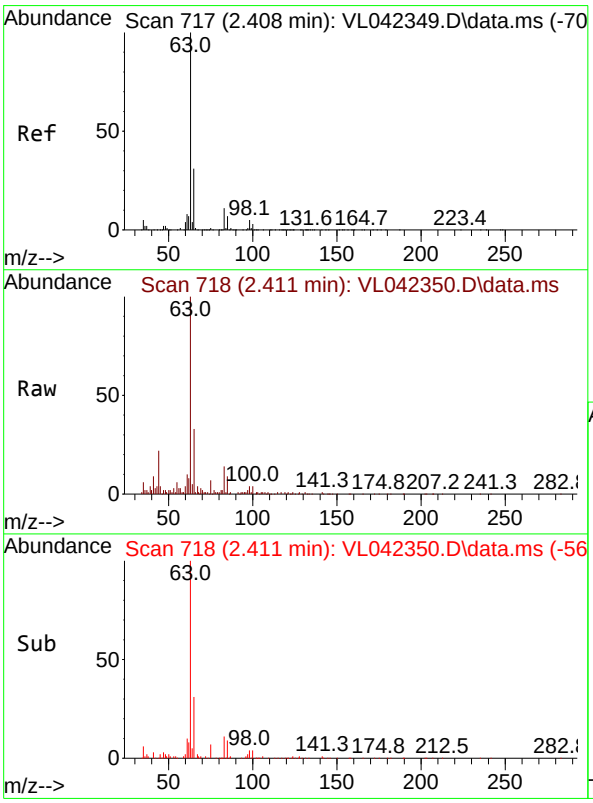
#23
Vinyl Acetate
Concen: 2.260 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 18454

Ion	Ratio	Lower	Upper
43	100		
86	10.2	6.5	9.7#
42	3.7	7.8	11.8#
44	7.1	5.0	7.6

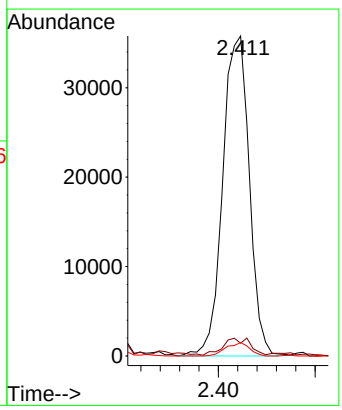


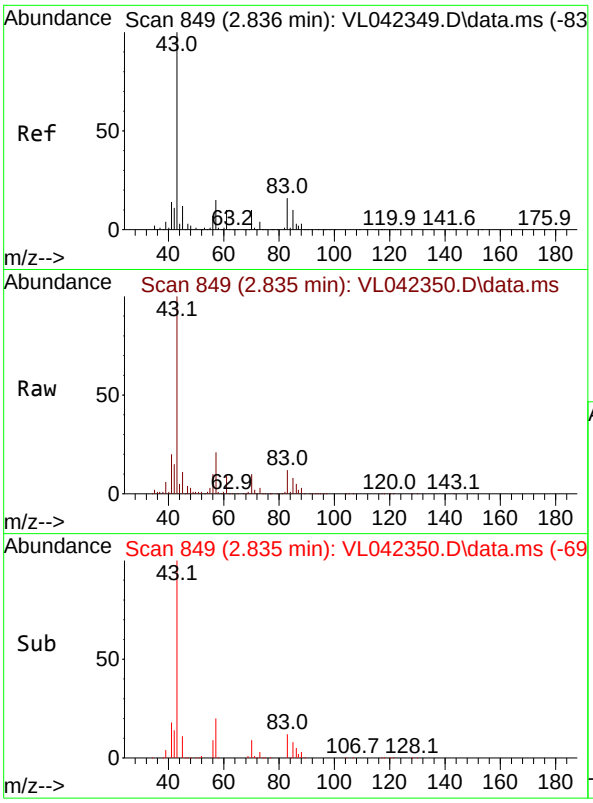


#24
1,1-Dichloroethane
Concen: 1.993 ppbv
RT: 2.411 min Scan# 718
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 63 Resp: 34077

Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.3	6.8
100	4.2	1.6	4.8



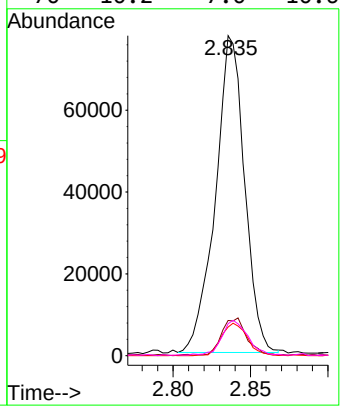


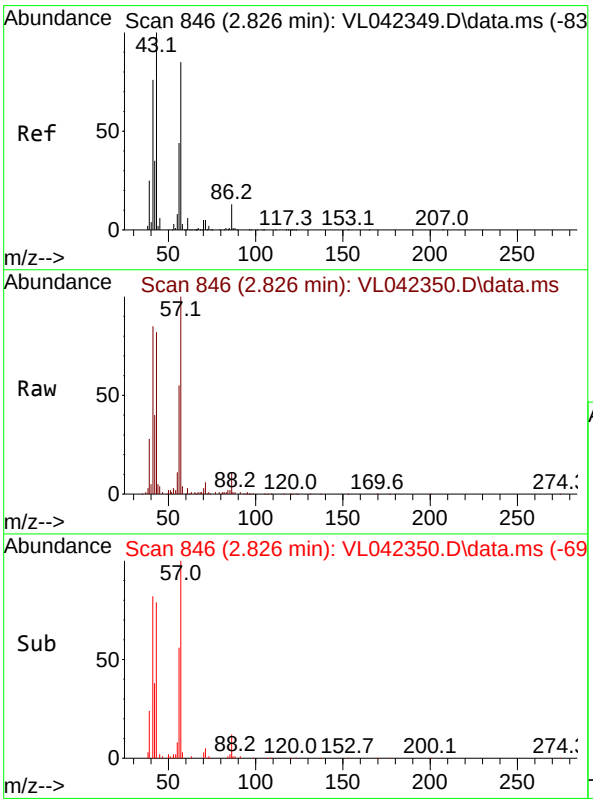
#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 101467

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.2	7.3	10.9
70	10.2	7.0	10.6

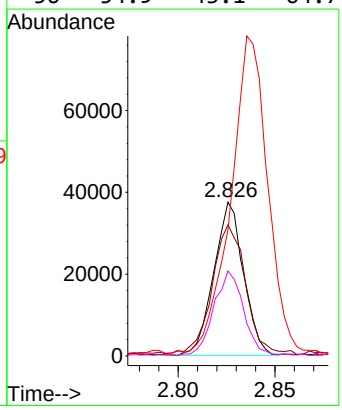


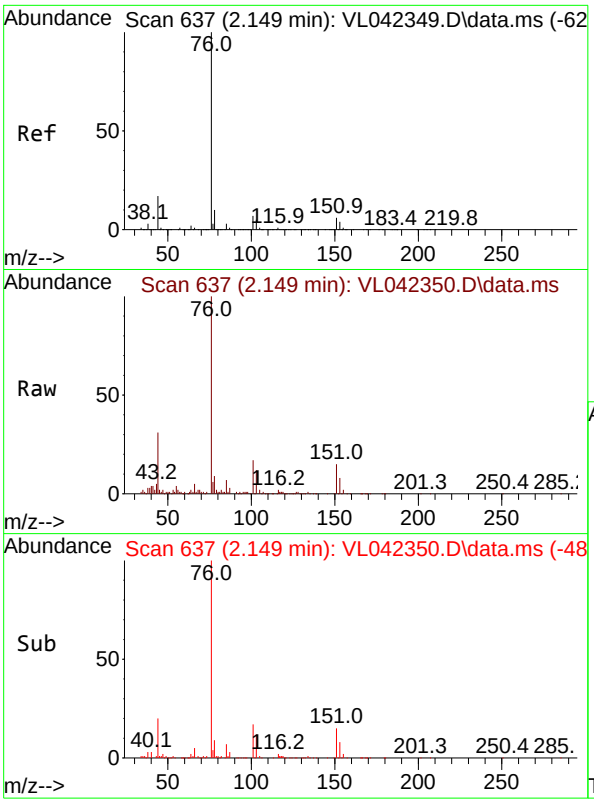


#26
Hexane
Concen: 1.990 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 57 Resp: 40046

Ion	Ratio	Lower	Upper
57	100		
41	94.1	77.9	116.9
43	260.7	208.4	312.6
56	54.9	43.1	64.7



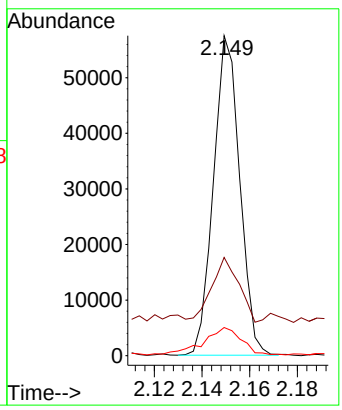


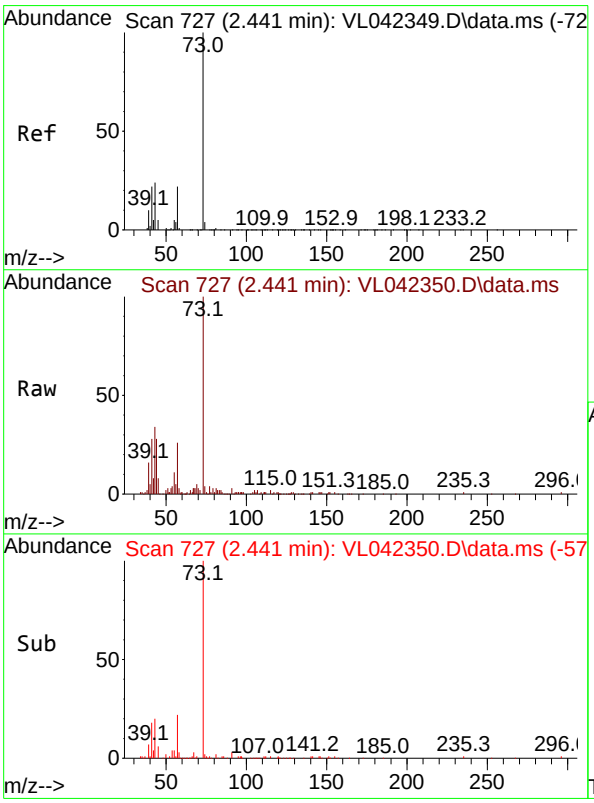
#27
Carbon Disulfide
Concen: 2.041 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 43975

Ion	Ratio	Lower	Upper
76	100		
44	44.3	15.5	23.3#
78	13.6	9.3	13.9

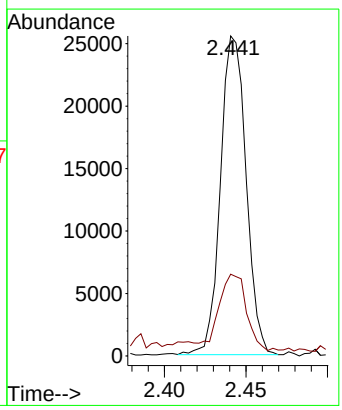


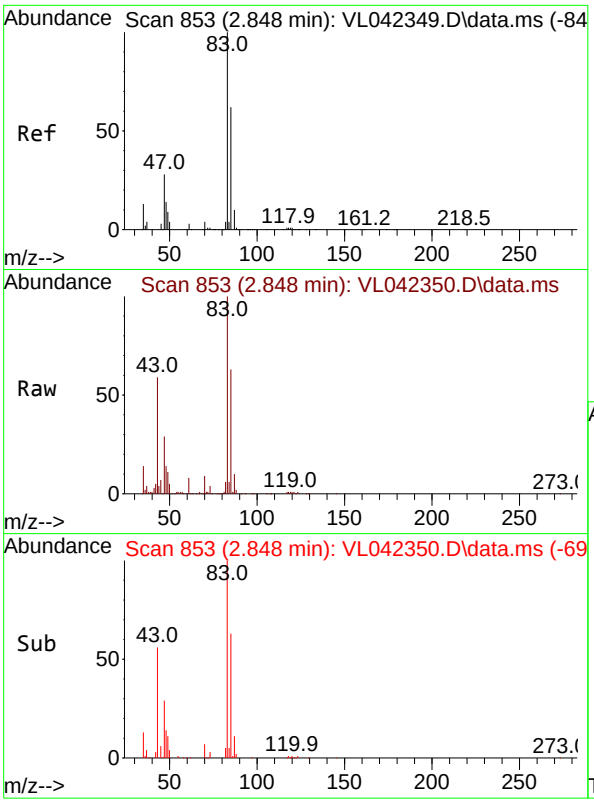


#28
Methyl tert-Butyl Ether
Concen: 2.116 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 73 Resp: 27905

Ion	Ratio	Lower	Upper
73	100		
57	28.1	21.3	31.9



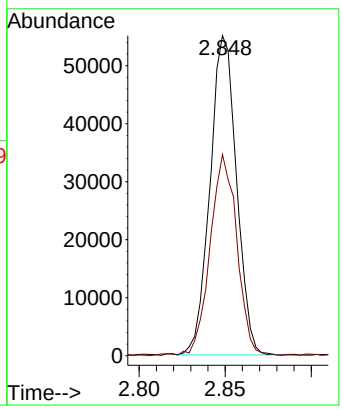


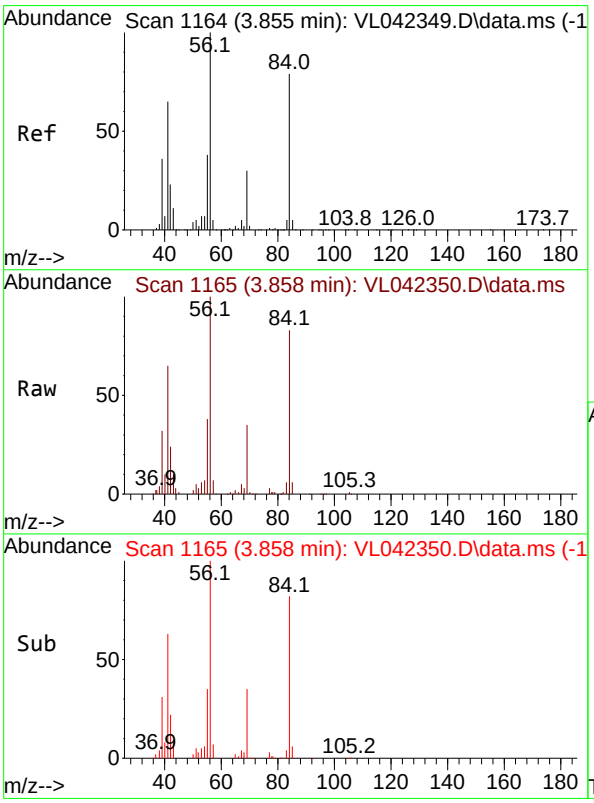
#29
Chloroform
Concen: 2.072 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 58946

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.0	75.0

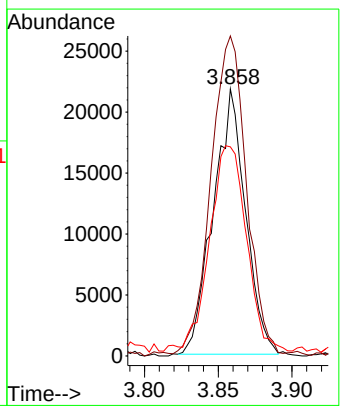


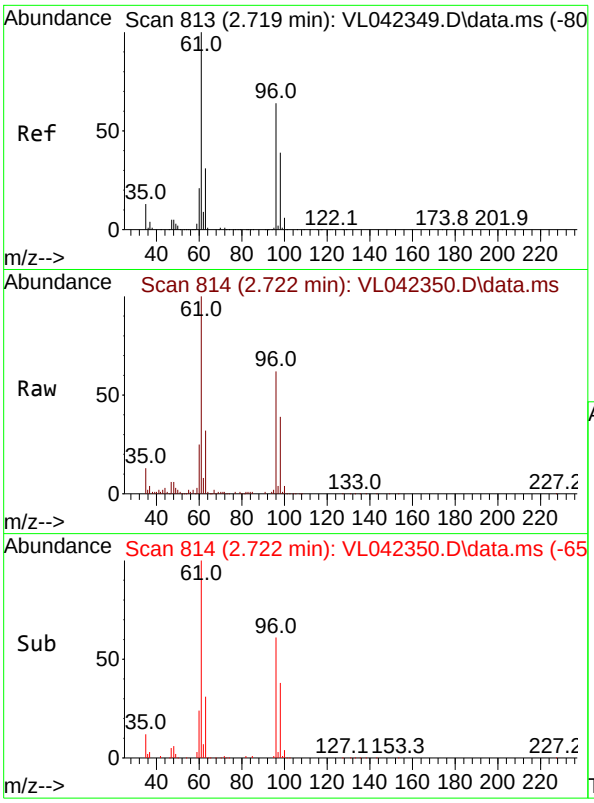


#30
Cyclohexane
Concen: 2.048 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 84 Resp: 33195

Ion	Ratio	Lower	Upper
84	100		
56	134.5	101.0	151.4
41	88.1	67.4	101.0



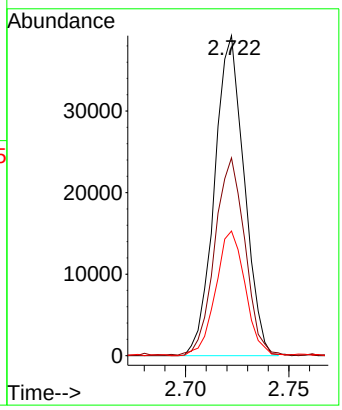


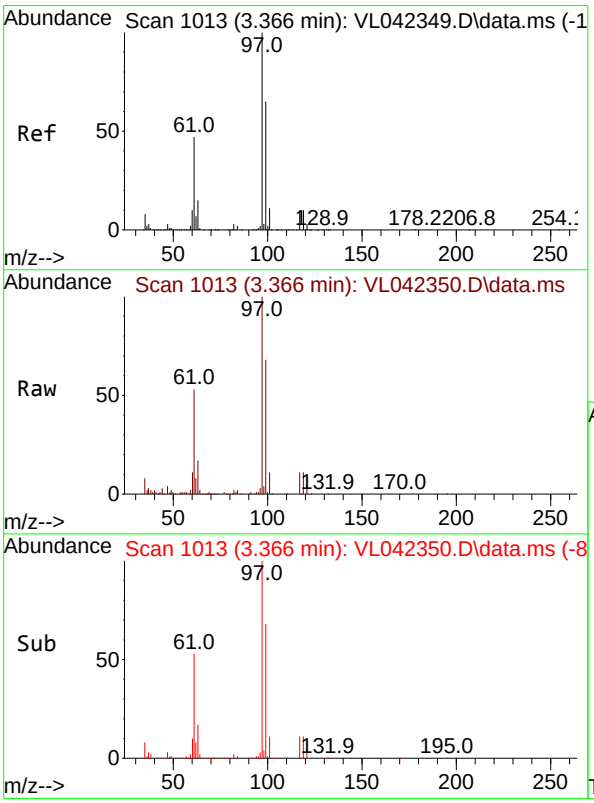
#31
cis-1,2-Dichloroethene
Concen: 2.051 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 39249

Ion	Ratio	Lower	Upper
61	100		
96	61.6	50.8	76.2
98	39.0	30.9	46.3

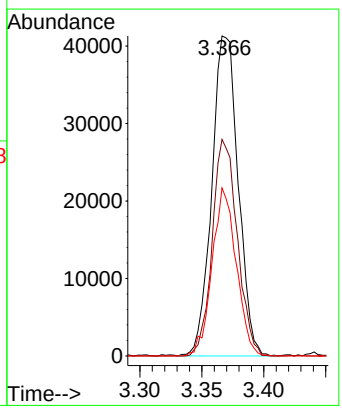


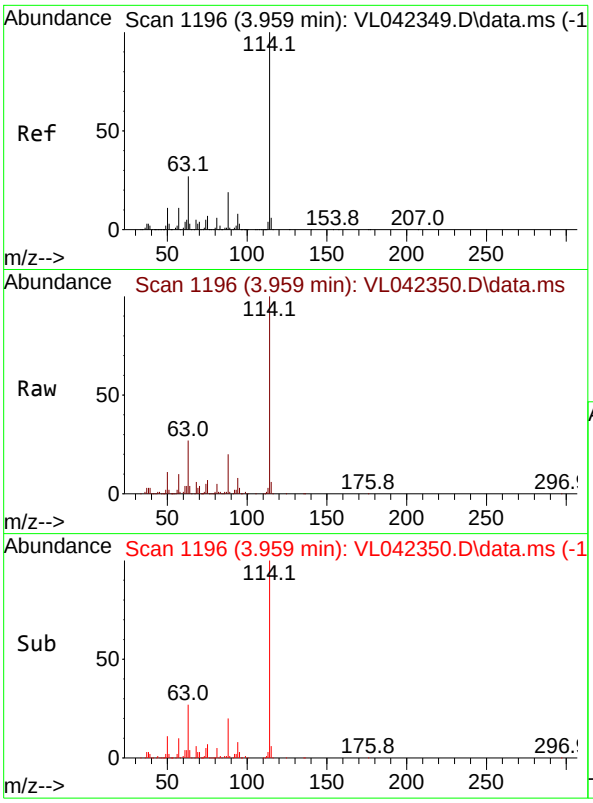


#32
1,1,1-Trichloroethane
Concen: 2.014 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 97 Resp: 61442

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	48.0	38.8	58.2



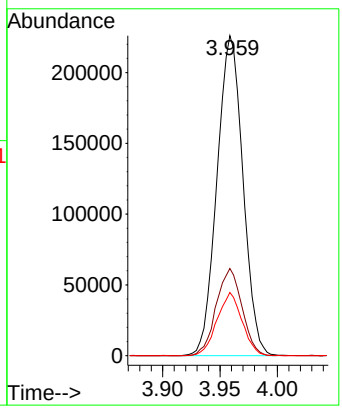


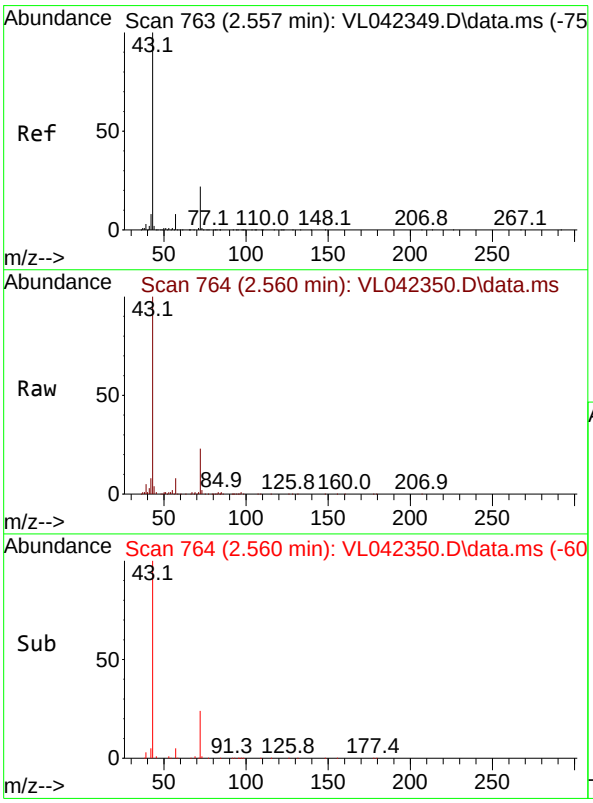
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 355918

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.8	32.6
88	19.0	15.5	23.3

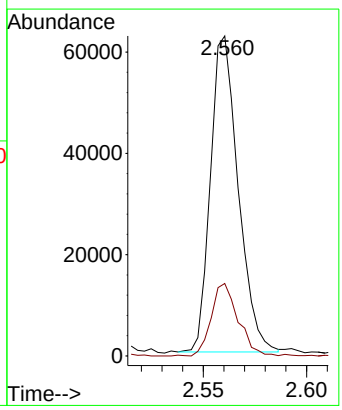


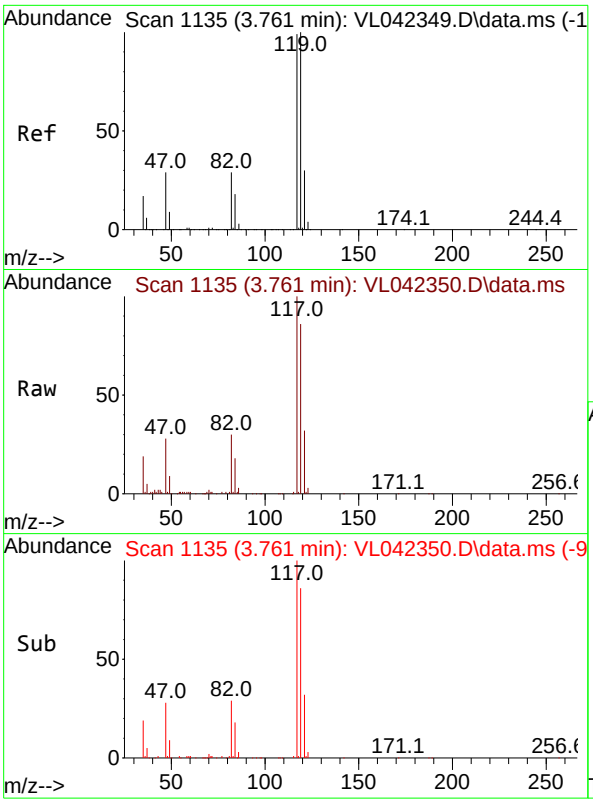


#34
2-Butanone
Concen: 2.069 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 58249

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.2	27.2



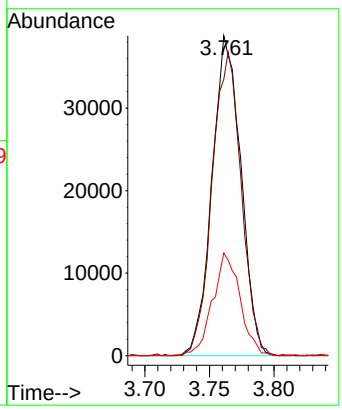


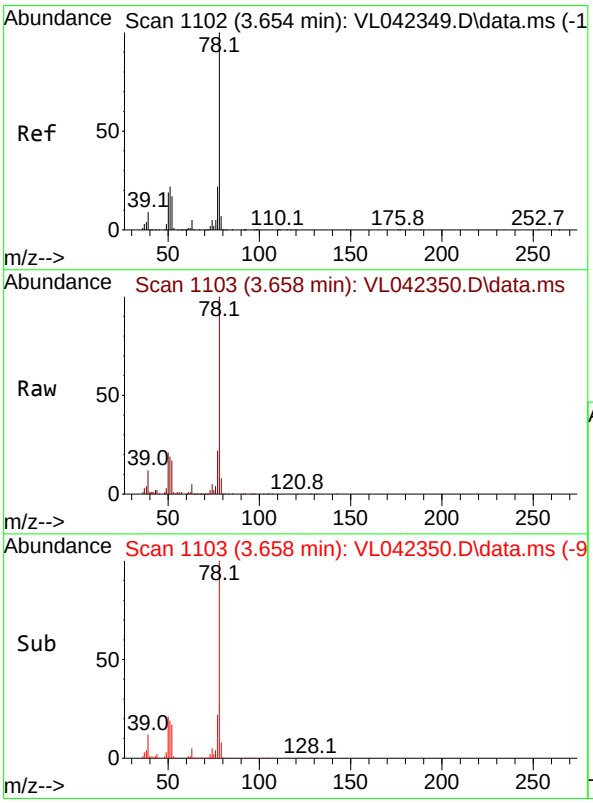
#35
Carbon Tetrachloride
Concen: 1.872 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 60291

Ion	Ratio	Lower	Upper
117	100		
119	86.4	80.5	120.7
121	32.1	24.2	36.2

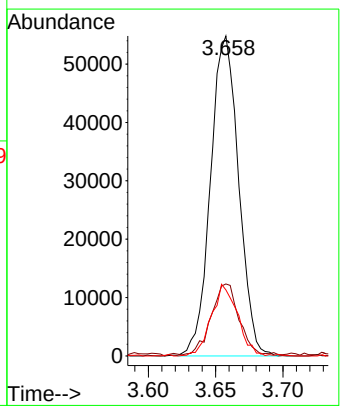


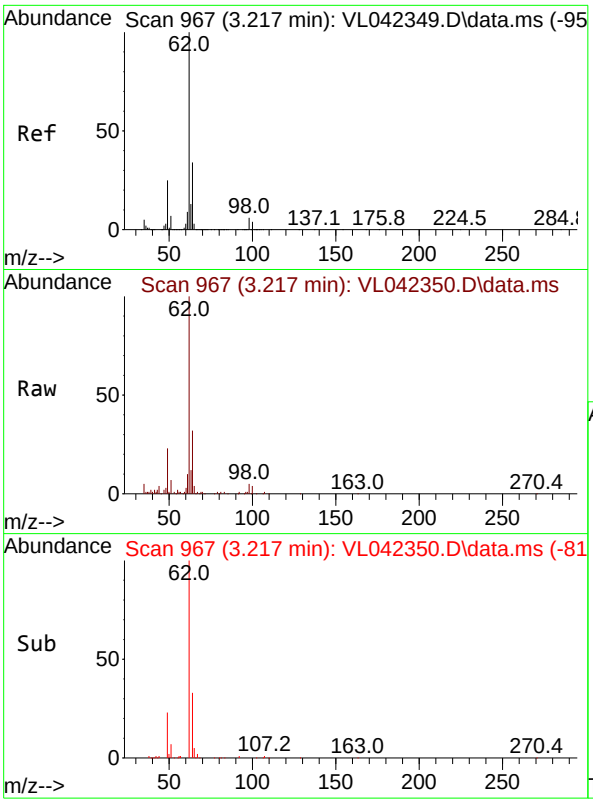


#36
Benzene
Concen: 2.079 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 78 Resp: 79814

Ion	Ratio	Lower	Upper
78	100		
77	22.0	17.4	26.0
50	20.6	15.5	23.3



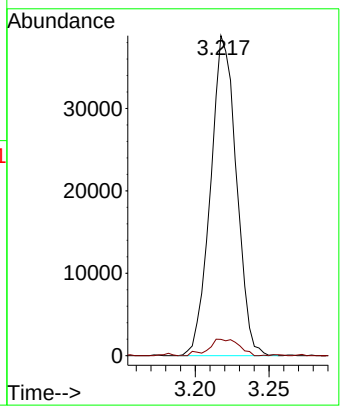


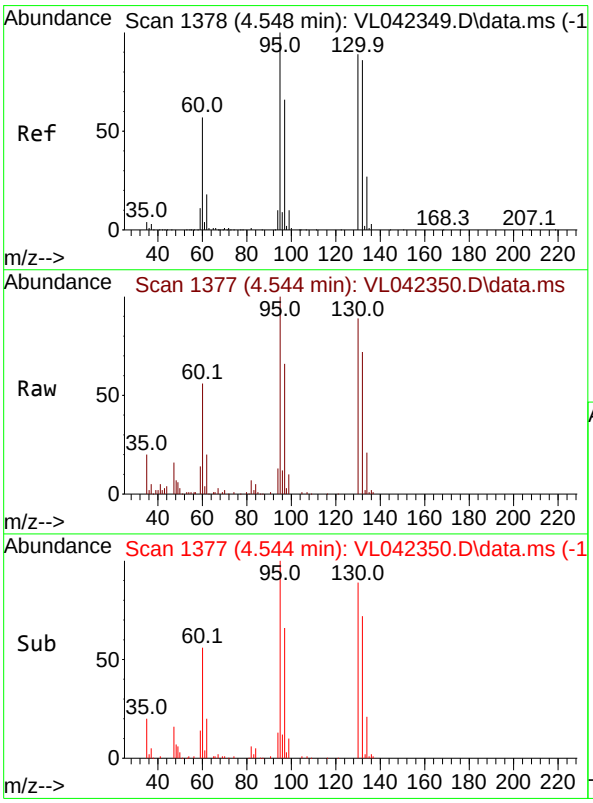
#37
1,2-Dichloroethane
Concen: 2.057 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 47398

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.1	7.7

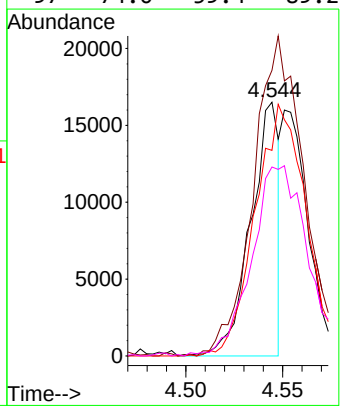


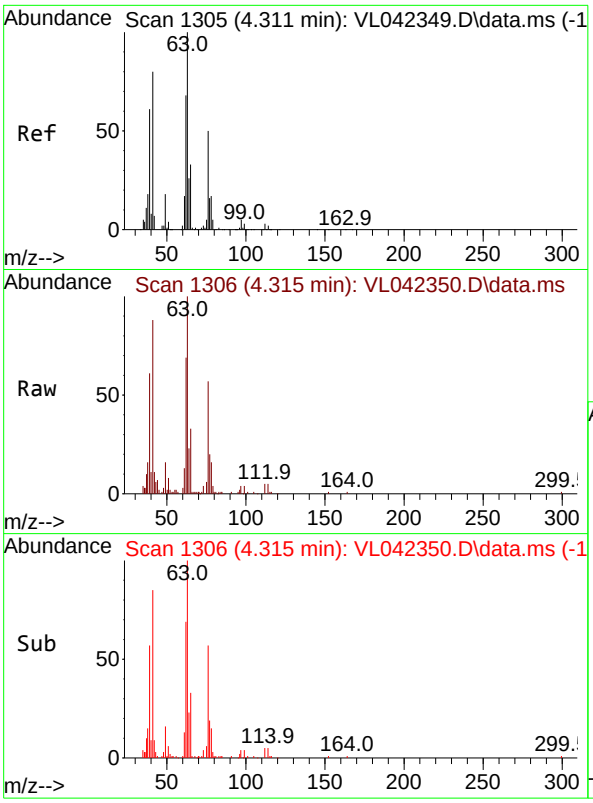


#38
Trichloroethene
Concen: 0.986 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:130 Resp: 16602

Ion	Ratio	Lower	Upper
130	100		
95	112.6	89.8	134.6
132	81.1	77.7	116.5
97	74.0	59.4	89.2



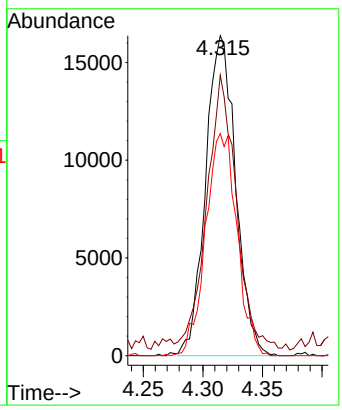


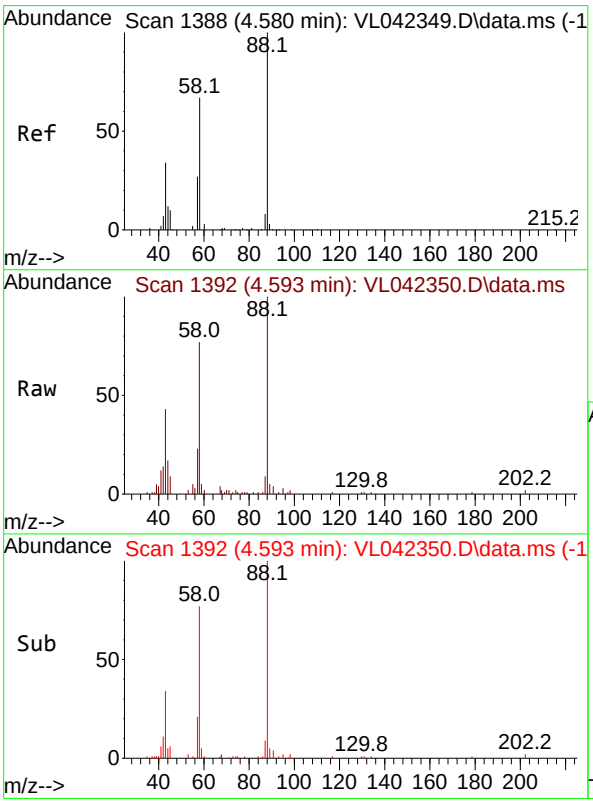
#39
1,2-Dichloropropane
Concen: 2.012 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 28806

Ion	Ratio	Lower	Upper
63	100		
41	85.2	64.2	96.2
62	69.4	54.3	81.5

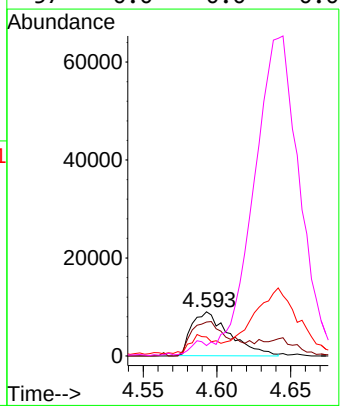


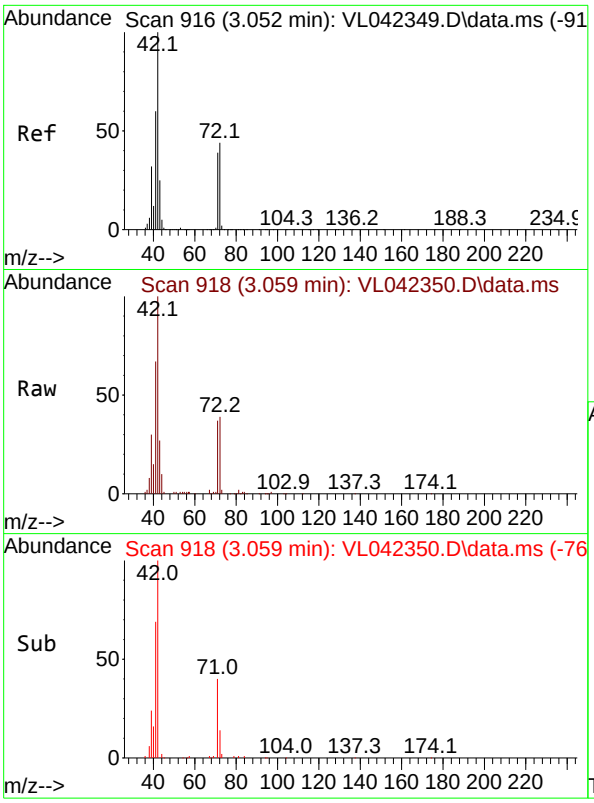


#40
1,4-Dioxane
Concen: 2.067 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.013 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 88 Resp: 16026

Ion	Ratio	Lower	Upper
88	100		
58	84.9	61.4	92.0
43	6.3	23.2	34.8#
57	0.0	0.0	0.0



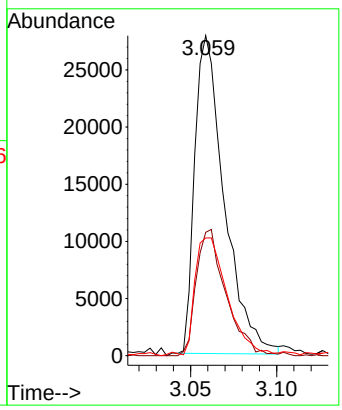


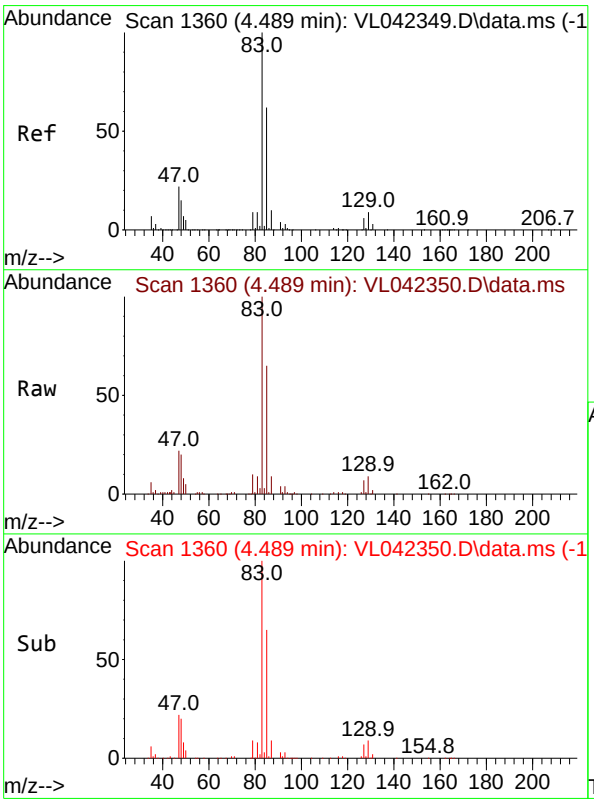
#41
Tetrahydrofuran
Concen: 2.047 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 33298

Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.3	48.5
71	41.5	31.4	47.2

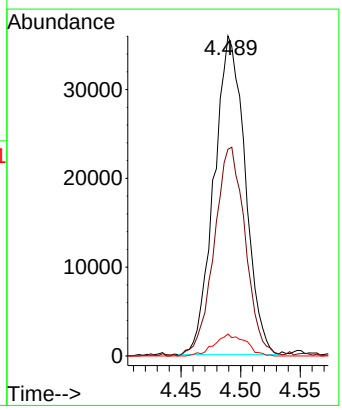


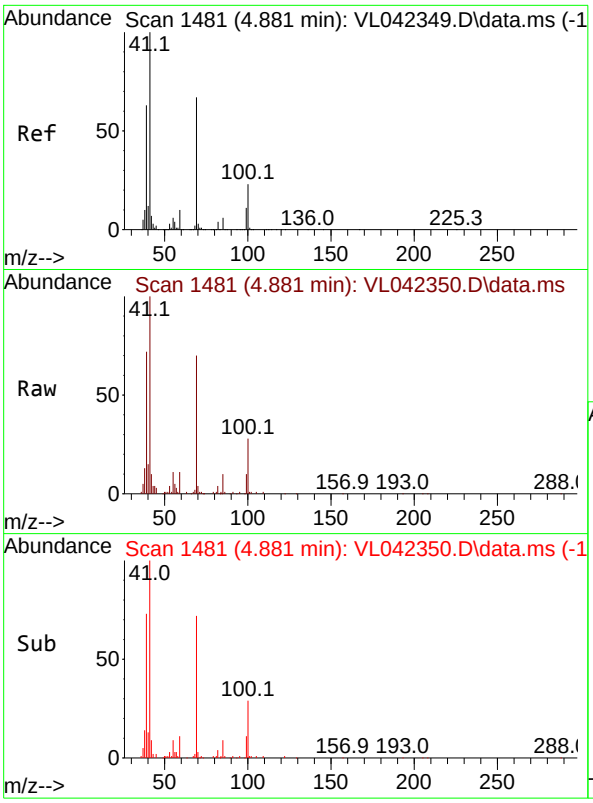


#42
Bromodichloromethane
Concen: 2.025 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 83 Resp: 64941

Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.7	74.5
127	6.9	5.1	7.7



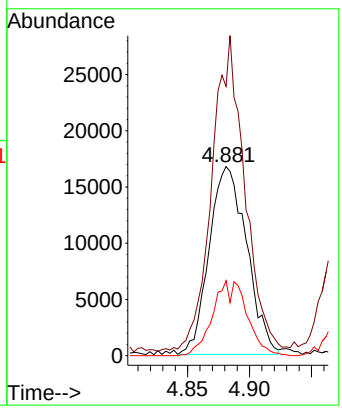


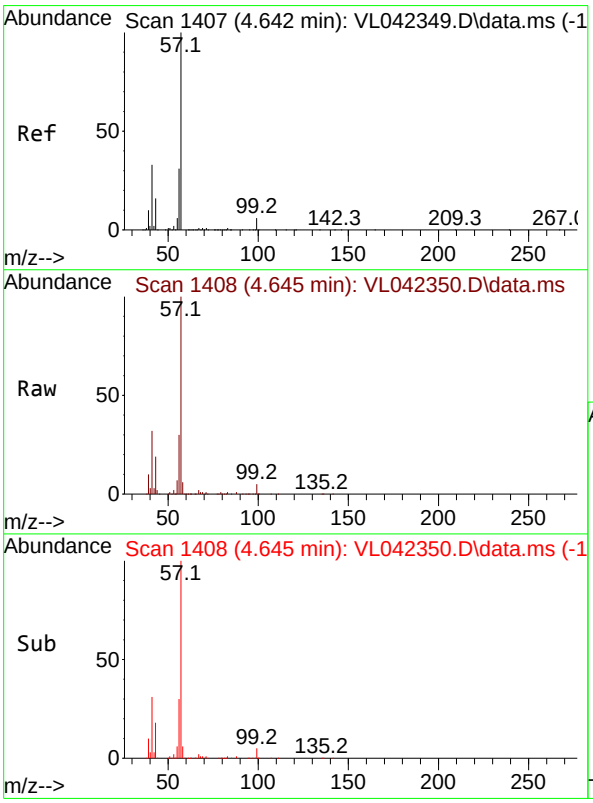
#43
Methyl Methacrylate
Concen: 2.046 ppbv
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 35256

Ion	Ratio	Lower	Upper
69	100		
41	144.4	118.6	177.8
100	36.5	28.2	42.2

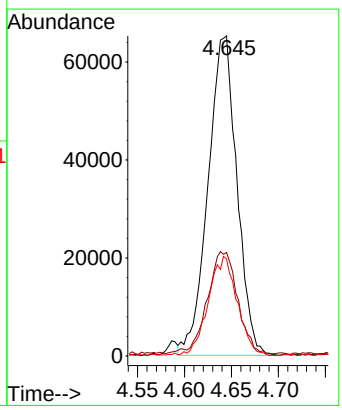


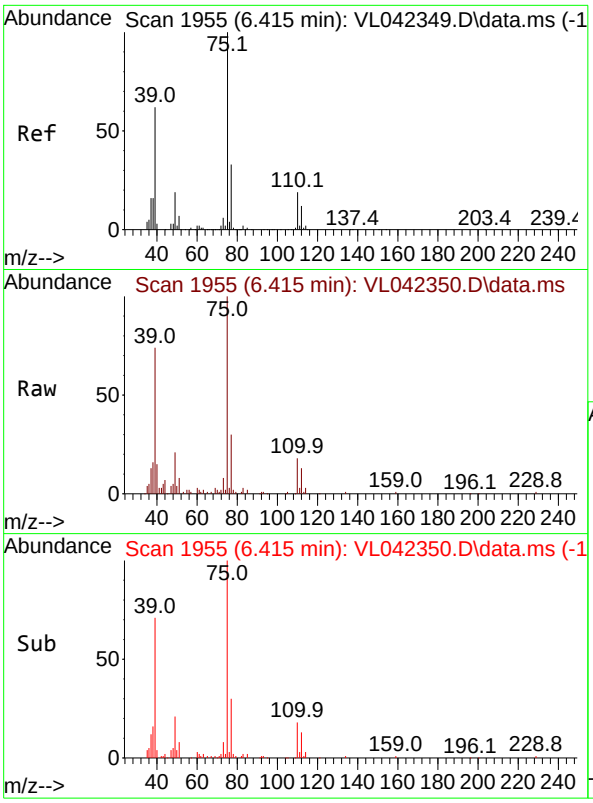


#44
2,2,4-Trimethylpentane
Concen: 2.103 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 57 Resp: 139641

Ion	Ratio	Lower	Upper
57	100		
41	34.4	27.2	40.8
56	31.3	25.7	38.5



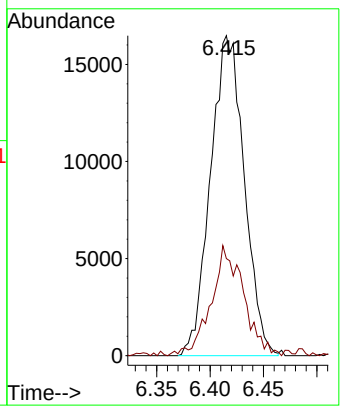


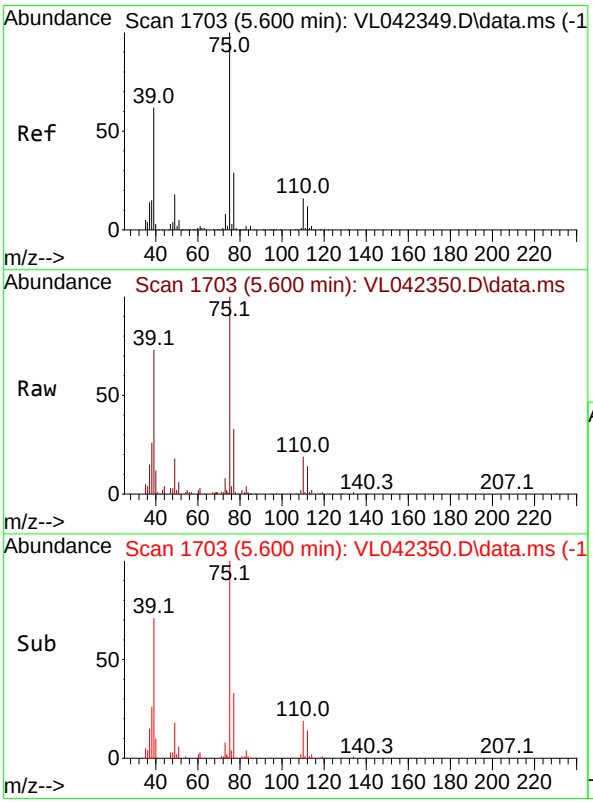
#45
t-1,3-Dichloropropene
Concen: 2.050 ppbv
RT: 6.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 36265

Ion	Ratio	Lower	Upper
75	100		
77	30.4	27.0	40.6

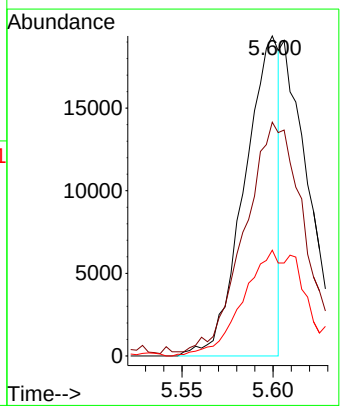


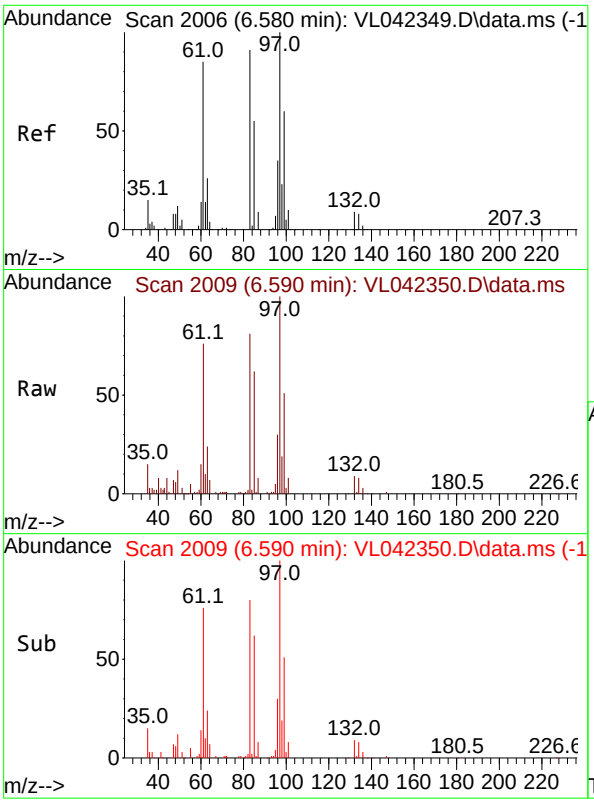


#46
cis-1,3-Dichloropropene
Concen: 1.183 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 75 Resp: 25569

Ion	Ratio	Lower	Upper
75	100		
39	71.8	50.0	75.0
77	32.5	23.0	34.6



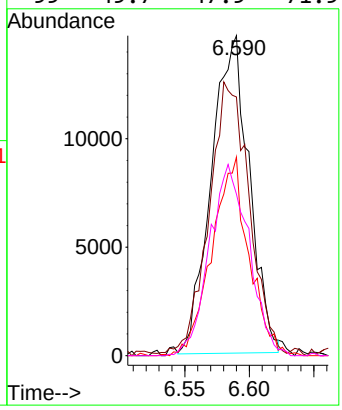


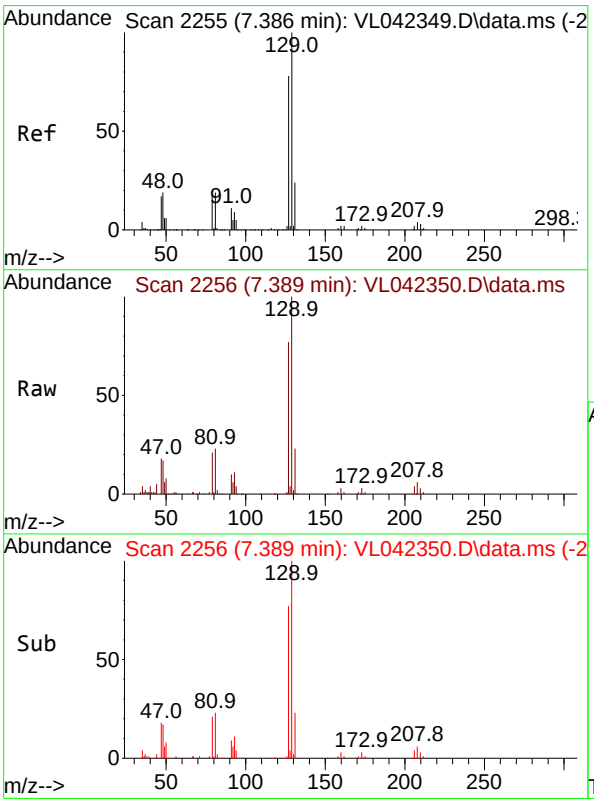
#47
1,1,2-Trichloroethane
Concen: 2.049 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 29879

Ion	Ratio	Lower	Upper
97	100		
83	78.8	72.8	109.2
85	61.7	44.2	66.4
99	49.7	47.9	71.9

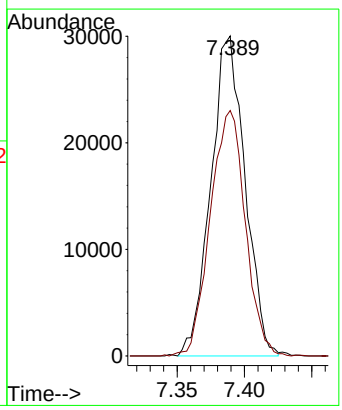


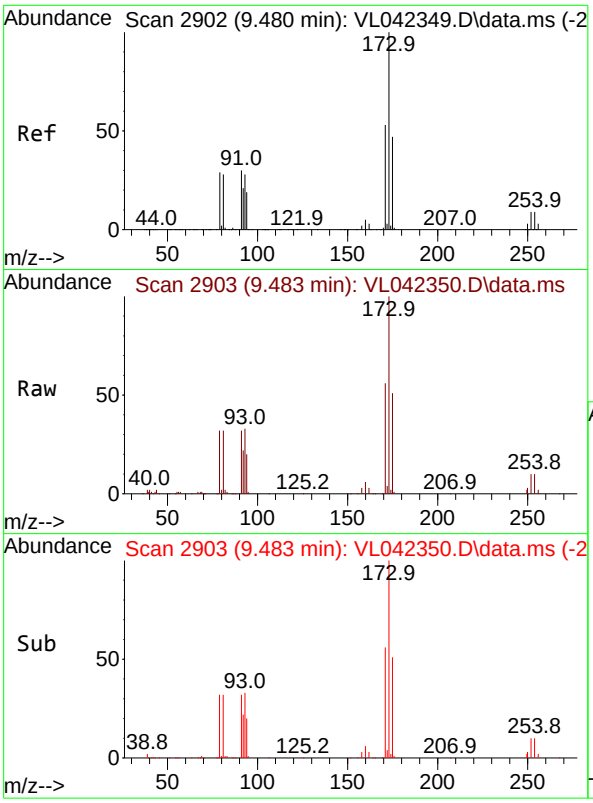


#48
Dibromochloromethane
Concen: 2.061 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:129 Resp: 53069

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3



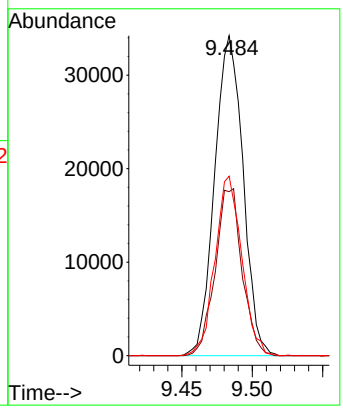


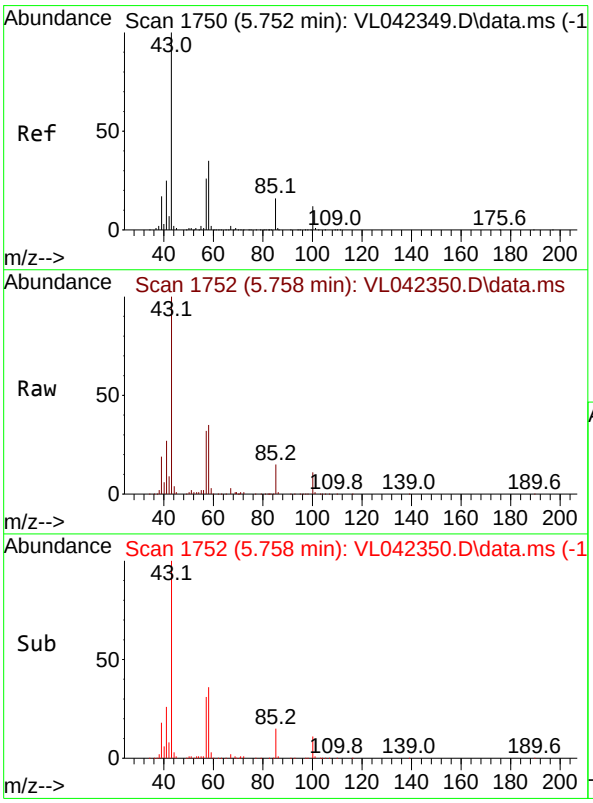
#49
Bromoform
Concen: 2.135 ppbv
RT: 9.483 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 48069

Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.2	57.2
171	53.0	40.9	61.3

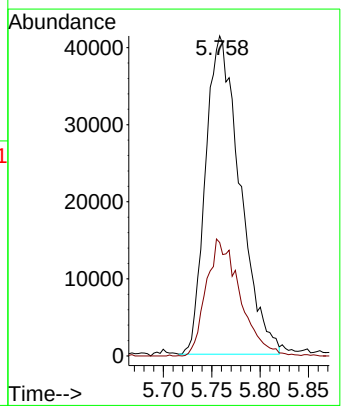


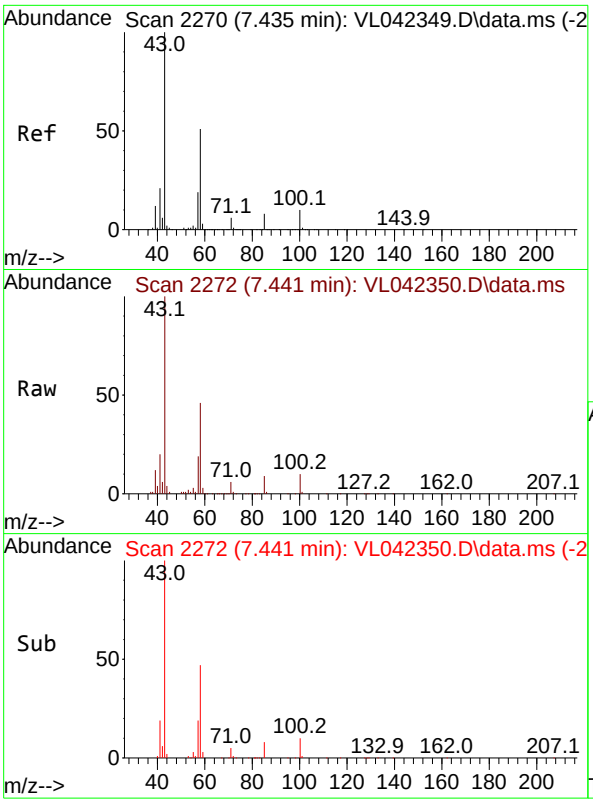


#50
4-Methyl-2-Pentanone
Concen: 2.180 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 43 Resp: 102182

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.6	43.0



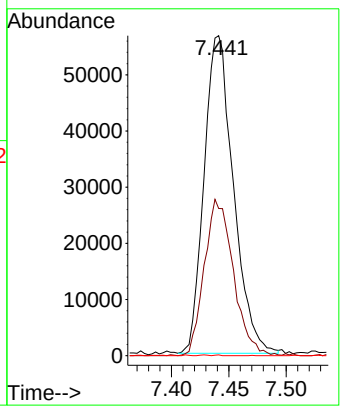


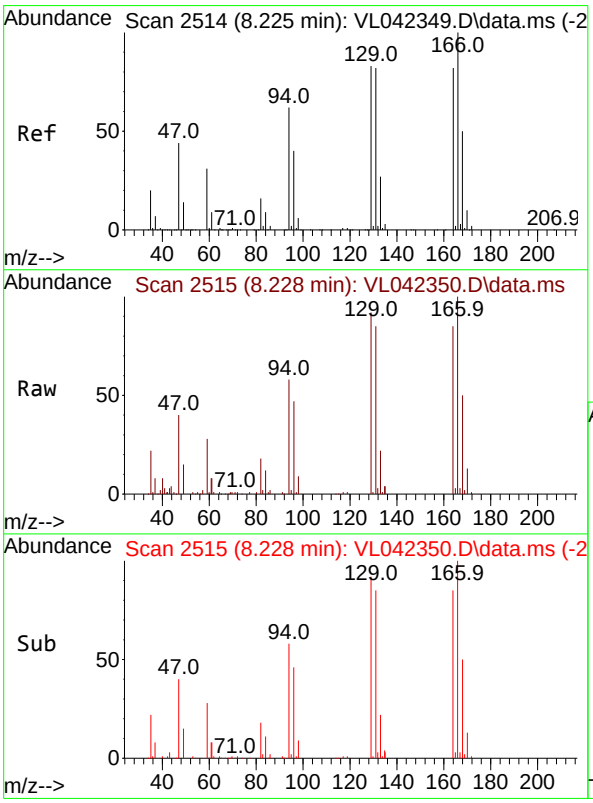
#51
2-Hexanone
Concen: 2.375 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 100443

Ion	Ratio	Lower	Upper
43	100		
58	49.0	40.2	60.4
98	0.1	0.1	0.1

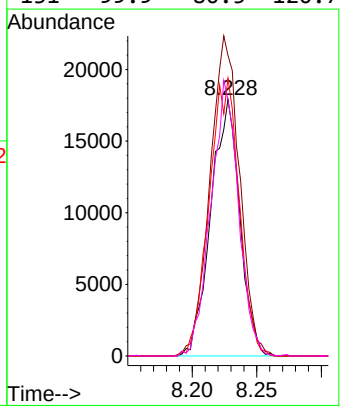


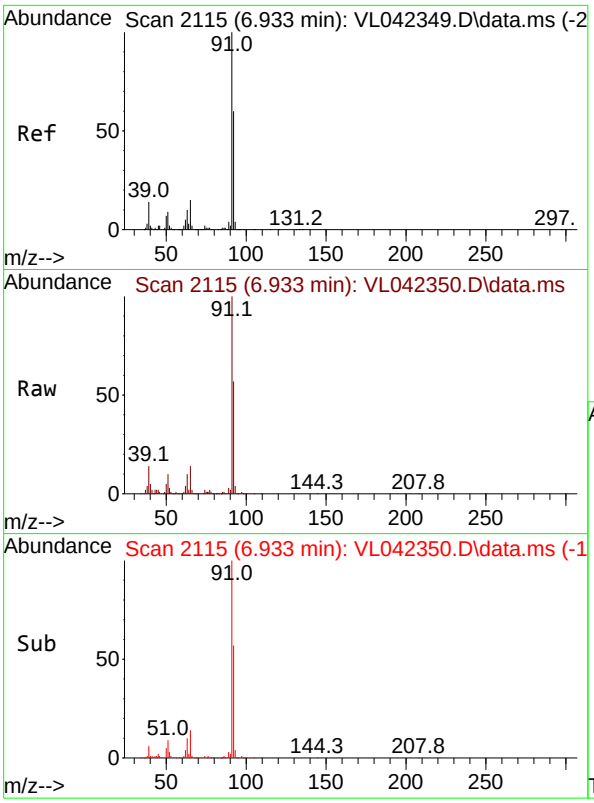


#52
Tetrachloroethene
Concen: 1.877 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:164 Resp: 27854

Ion	Ratio	Lower	Upper
164	100		
166	117.2	98.2	147.2
129	108.2	81.8	122.8
131	99.9	80.5	120.7



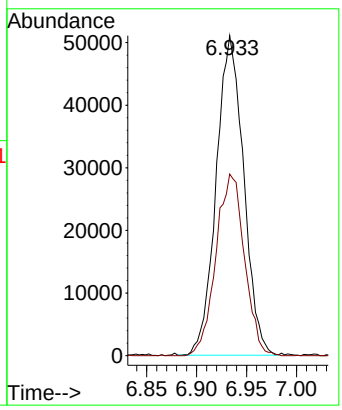


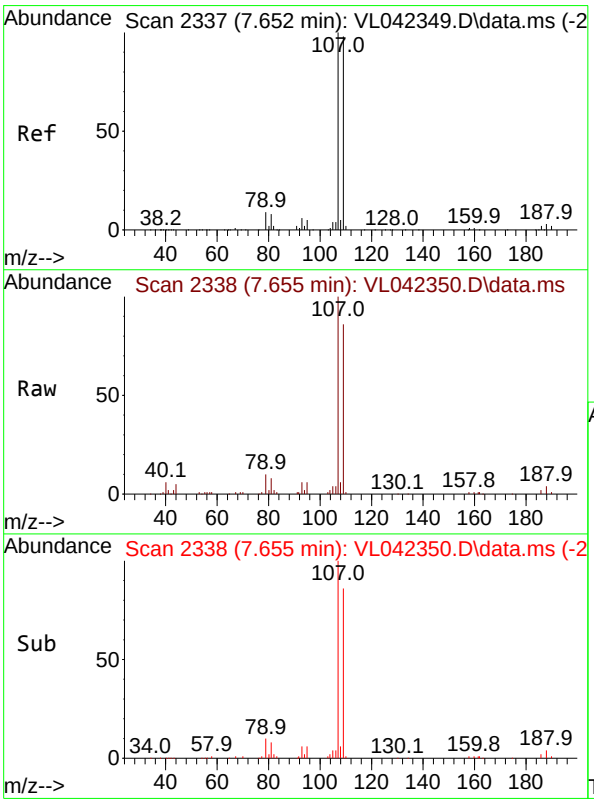
#53
Toluene
Concen: 2.116 ppbv
RT: 6.933 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 97493

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.2	72.4

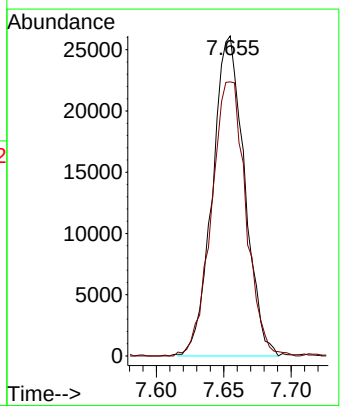


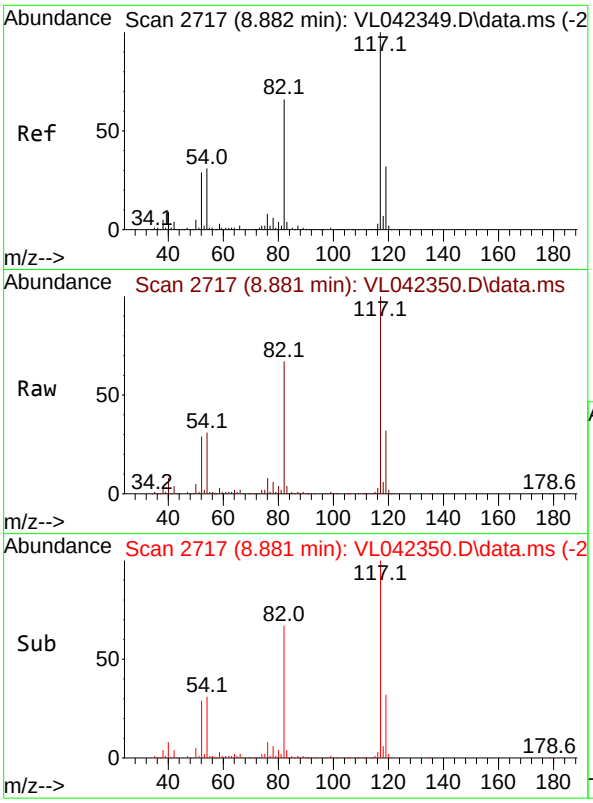


#54
1,2-Dibromoethane
Concen: 2.076 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:107 Resp: 43153

Ion	Ratio	Lower	Upper
107	100		
109	84.5	78.2	117.4



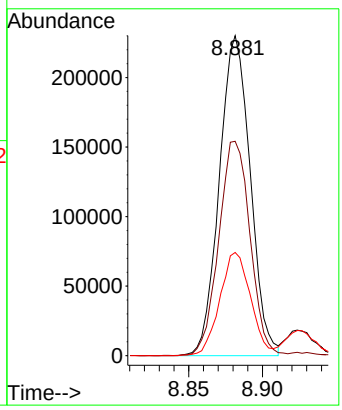


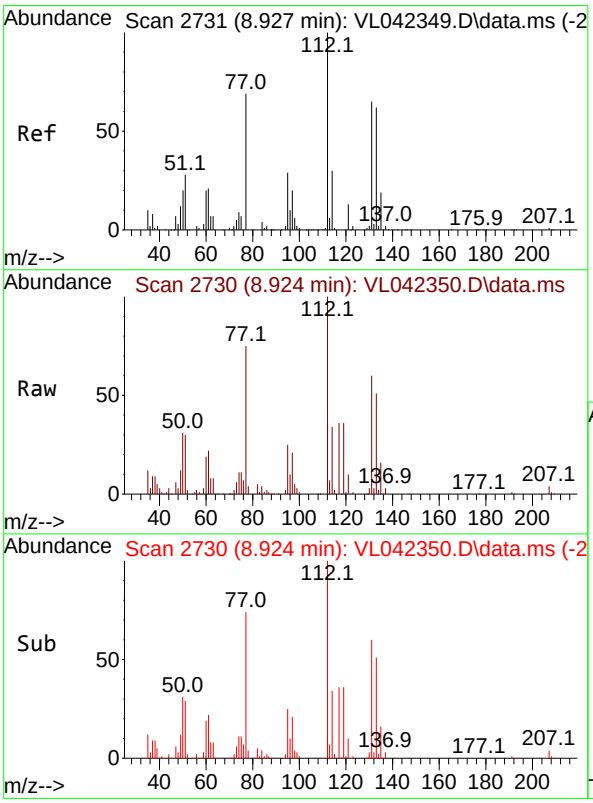
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 335603

Ion	Ratio	Lower	Upper
117	100		
82	68.8	57.8	86.6
119	32.2	25.2	37.8

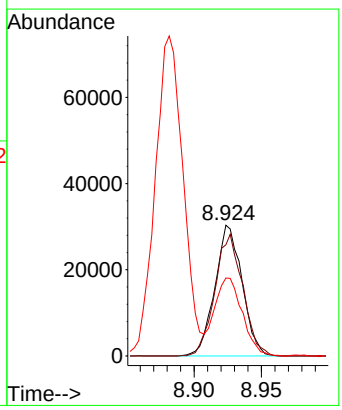


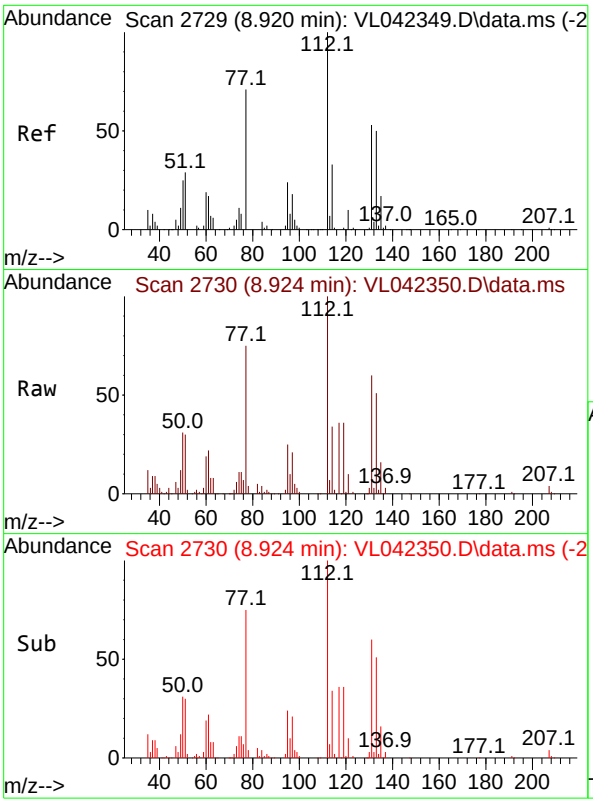


#56
1,1,1,2-Tetrachloroethane
Concen: 2.097 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:131 Resp: 42601

Ion	Ratio	Lower	Upper
131	100		
133	95.3	78.3	117.5
119	53.8	48.7	73.1



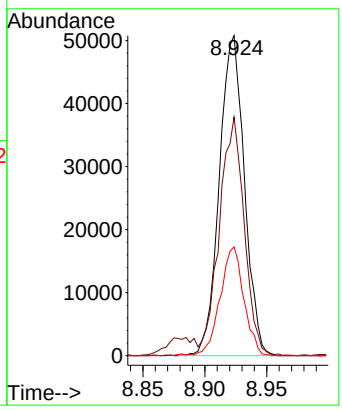


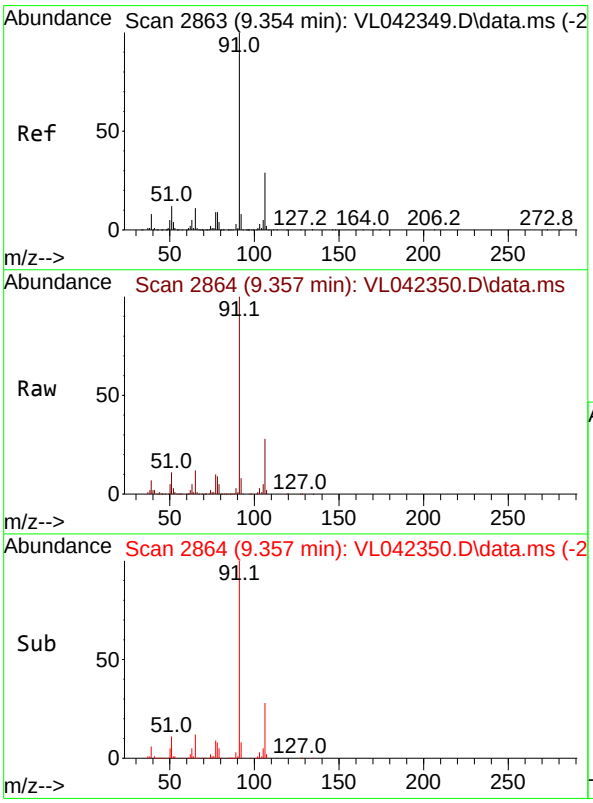
#57
Chlorobenzene
Concen: 2.054 ppbv
RT: 8.924 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 71685

Ion	Ratio	Lower	Upper
112	100		
77	74.0	57.8	86.6
114	34.0	29.3	35.9

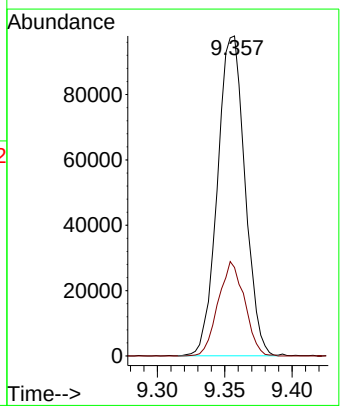


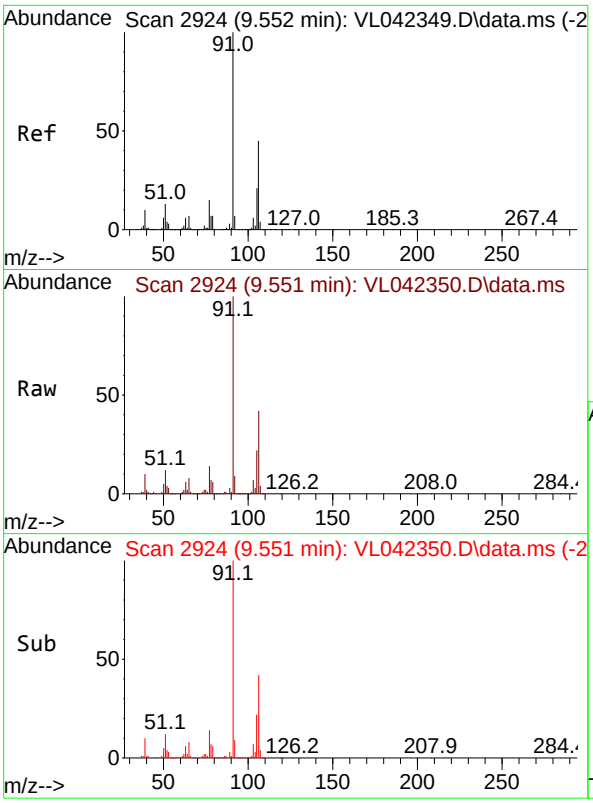


#58
Ethyl Benzene
Concen: 2.088 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 138810

Ion	Ratio	Lower	Upper
91	100		
106	27.7	23.0	34.4



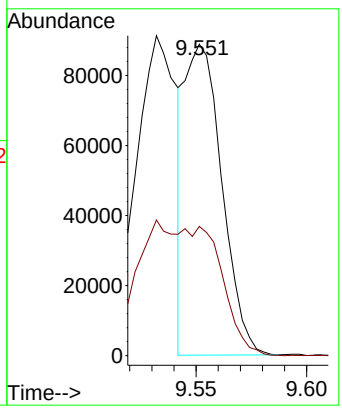


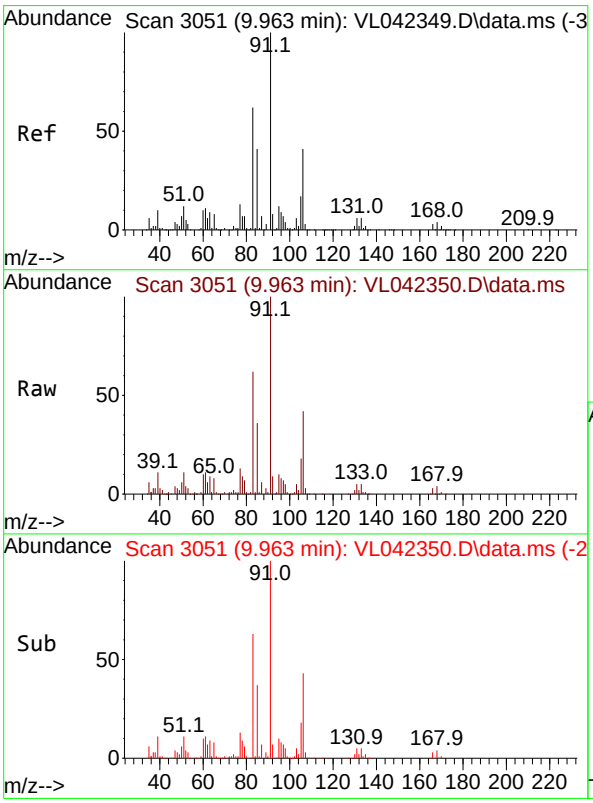
#59
m/p-Xylene
Concen: 1.934 ppbv
RT: 9.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 103886

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

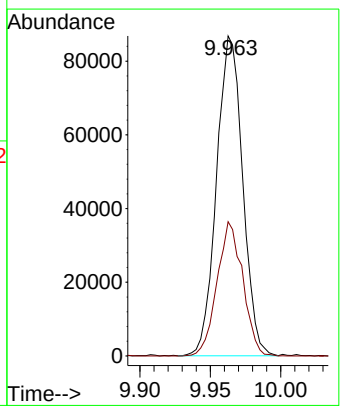


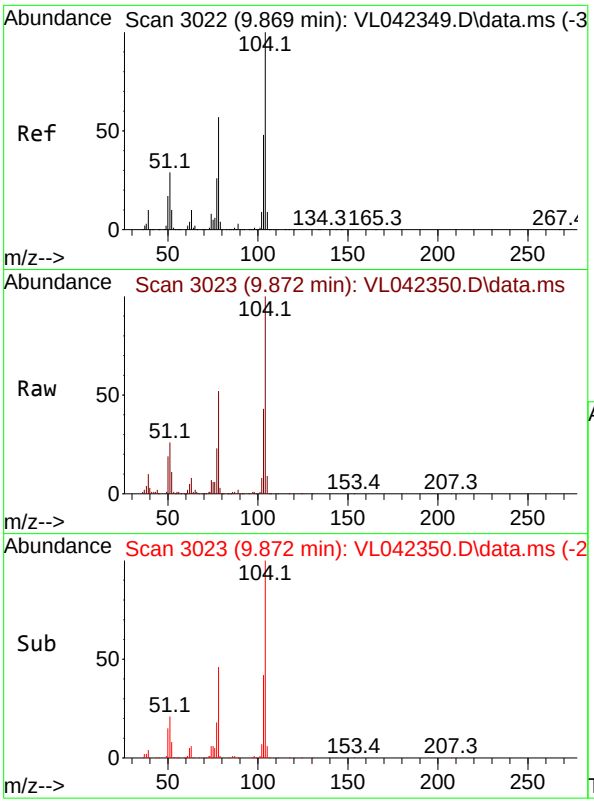


#60
o-Xylene
Concen: 2.076 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 111972

Ion	Ratio	Lower	Upper
91	100		
106	41.2	21.1	63.4



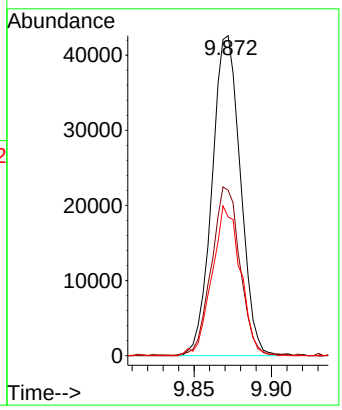


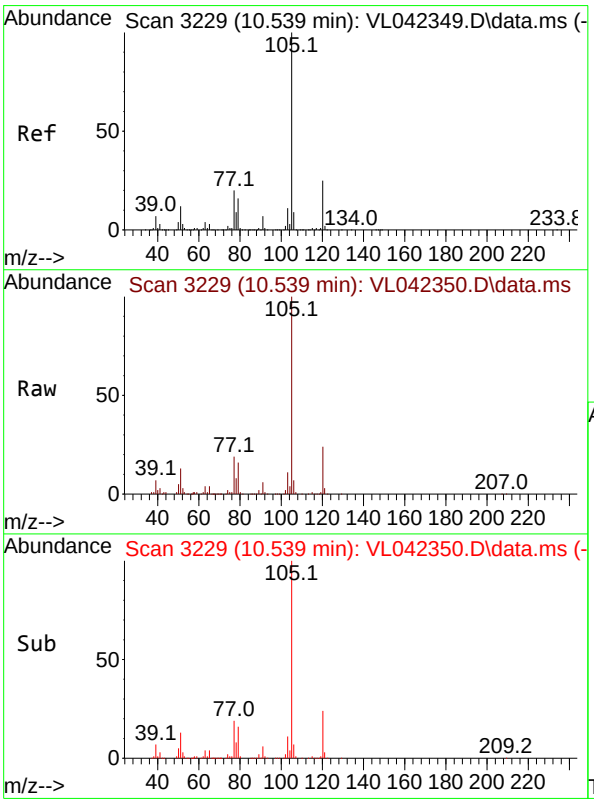
#61
Styrene
Concen: 2.106 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 54229

Ion	Ratio	Lower	Upper
104	100		
78	53.4	44.6	66.8
103	47.1	37.4	56.0

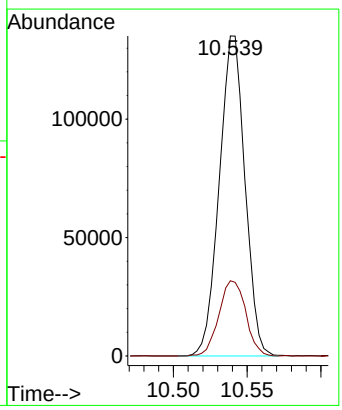


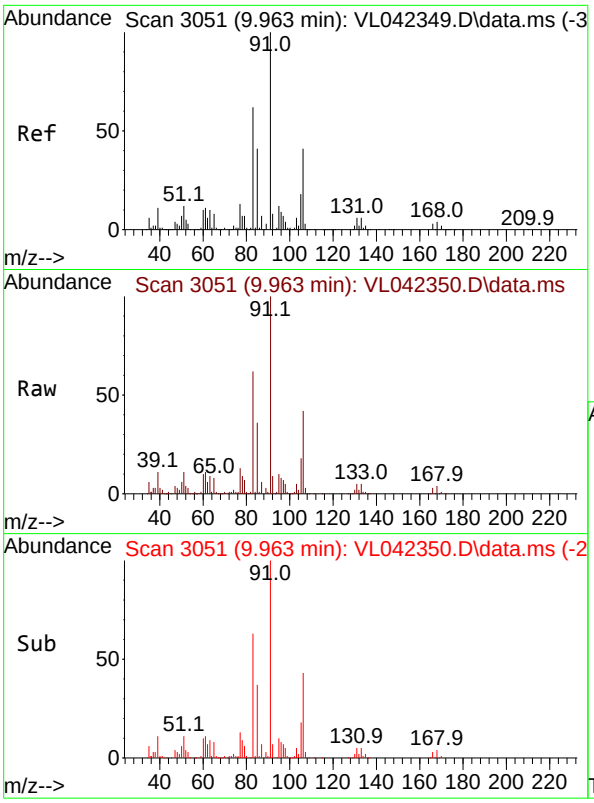


#62
Isopropylbenzene
Concen: 2.067 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 163716

Ion	Ratio	Lower	Upper
105	100		
120	24.6	19.8	29.8



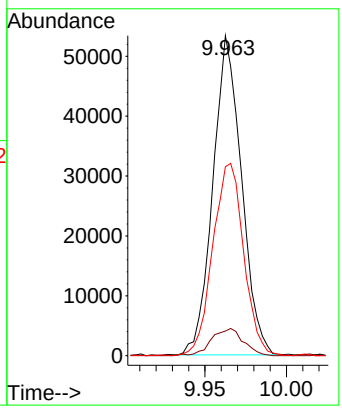


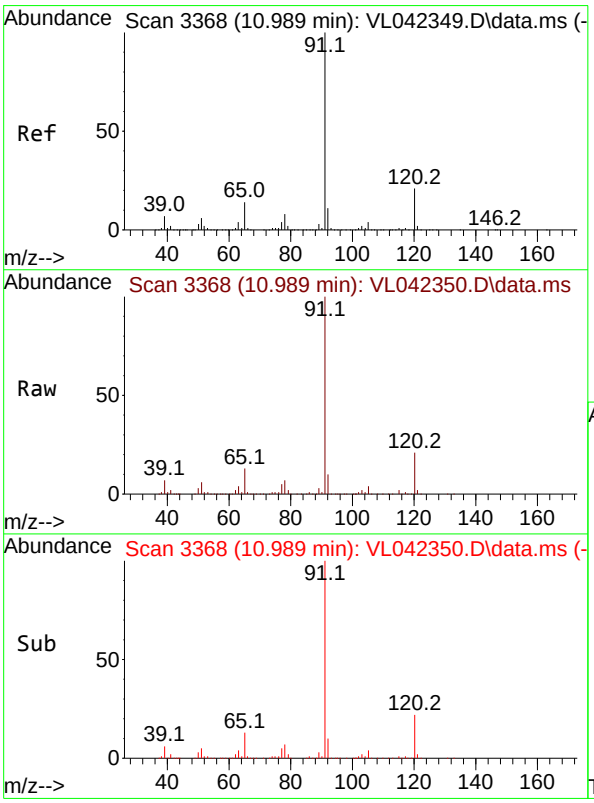
#63
1,1,2,2-Tetrachloroethane
Concen: 1.853 ppbv
RT: 9.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 64952

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	65.4	32.4	97.0

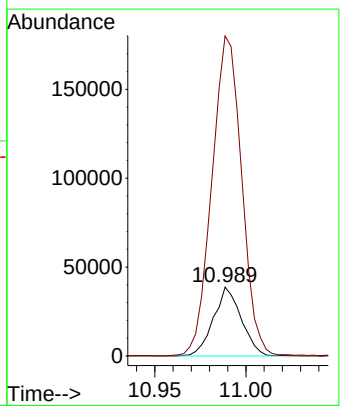


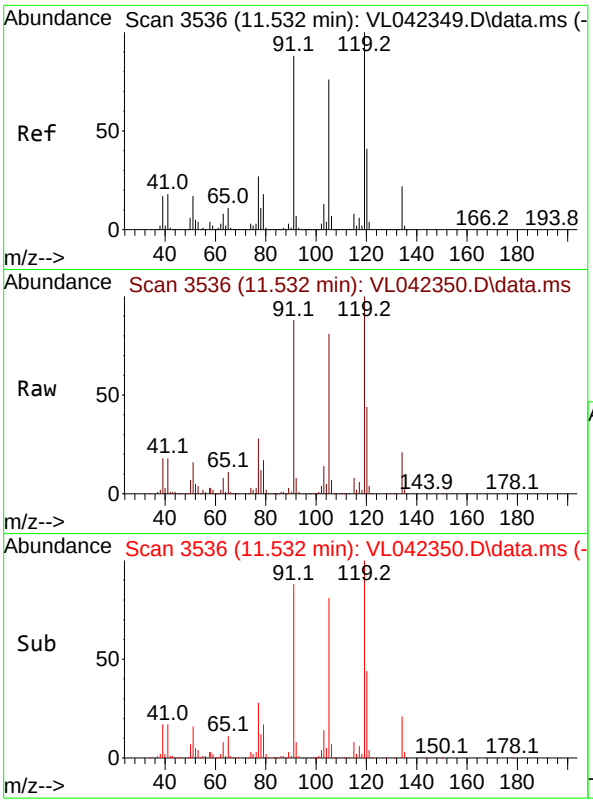


#64
n-propylbenzene
Concen: 2.058 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:120 Resp: 40956

Ion	Ratio	Lower	Upper
120	100		
91	502.0	392.4	588.6



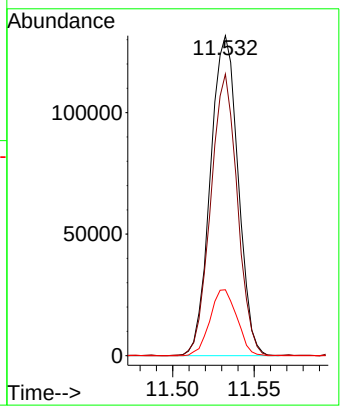


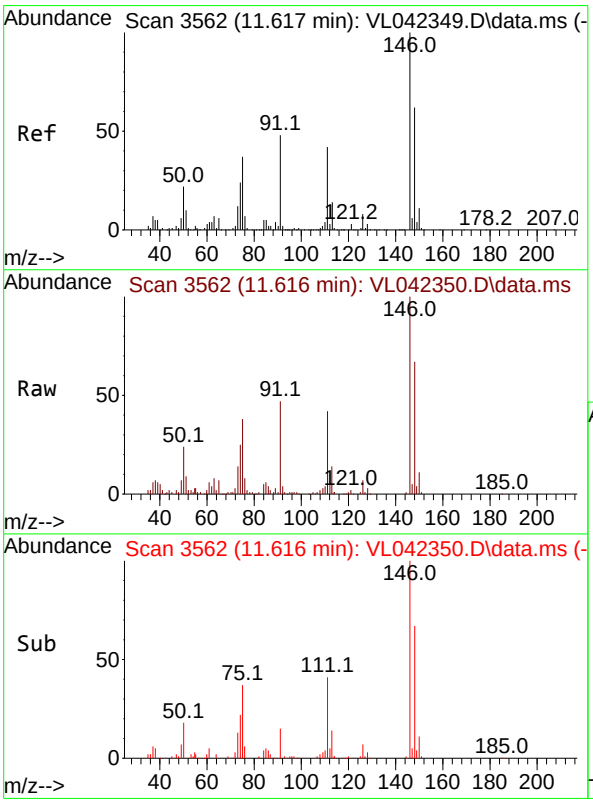
#65
tert-Butylbenzene
Concen: 2.135 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 155401

Ion	Ratio	Lower	Upper
119	100		
91	85.0	74.6	111.8
134	20.1	18.8	28.2

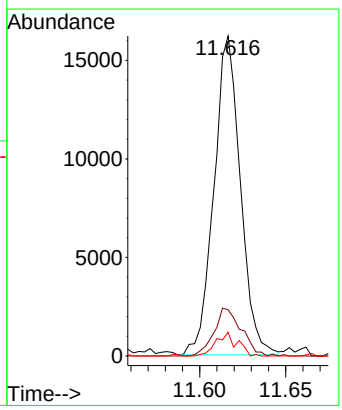


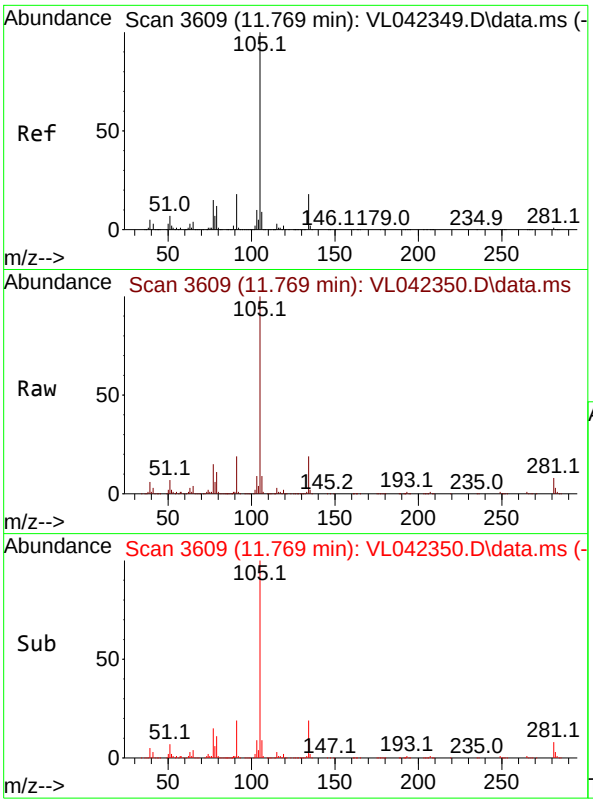


#66
Benzyl Chloride
Concen: 2.163 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 17300

Ion	Ratio	Lower	Upper
91	100		
126	15.6	11.8	17.6
128	6.1	4.5	6.7



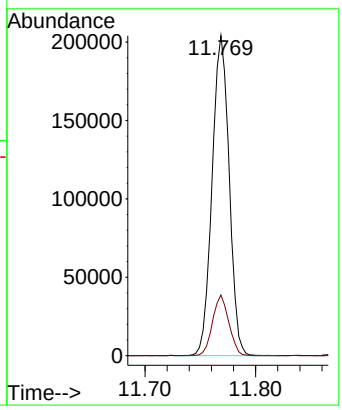


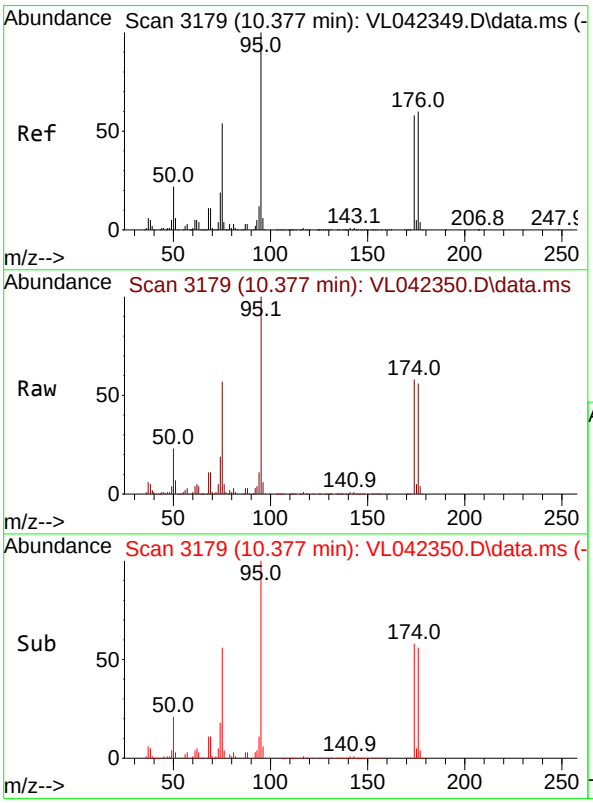
#67
sec-Butylbenzene
Concen: 2.156 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 218327

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	21.8

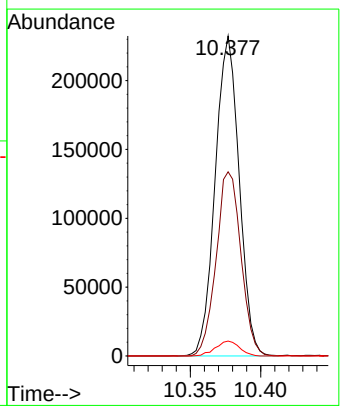


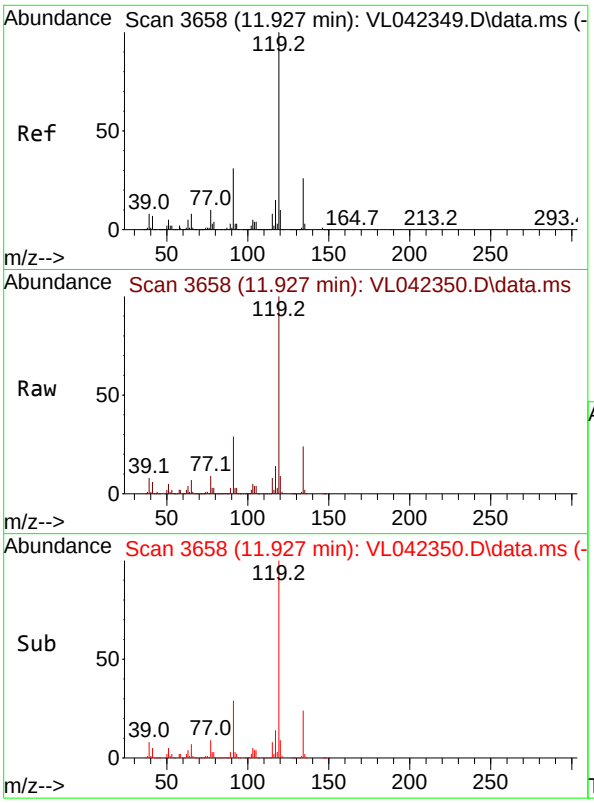


#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 95 Resp: 275715

Ion	Ratio	Lower	Upper
95	100		
174	59.6	48.5	72.7
175	4.7	3.7	5.5



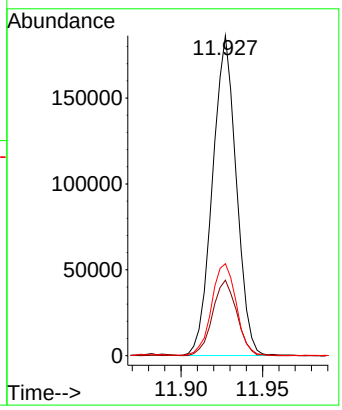


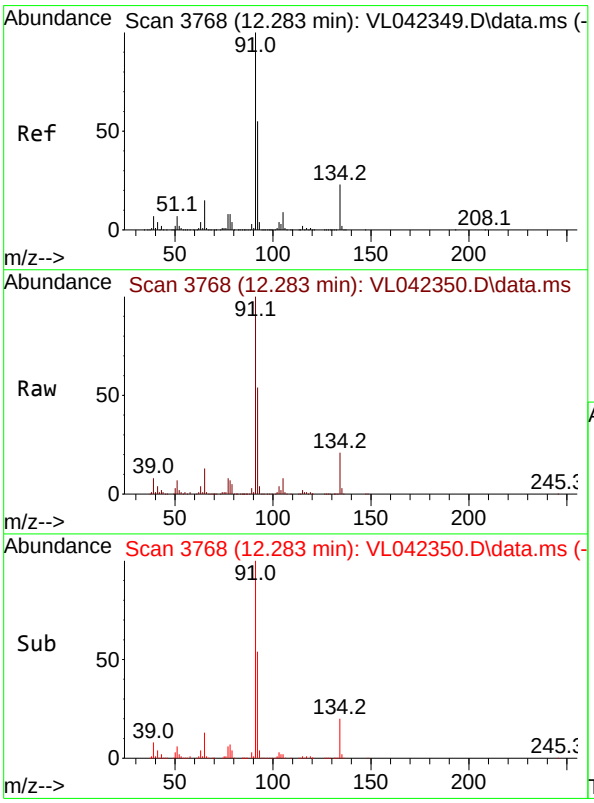
#69
p-Isopropyltoluene
Concen: 2.145 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 188657

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.0	30.0
91	30.8	24.4	36.6

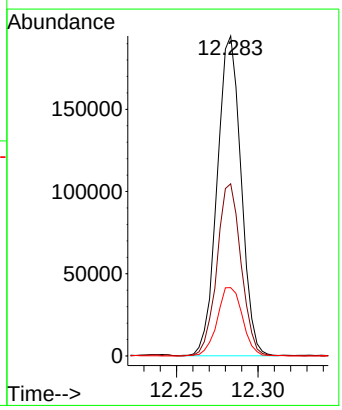


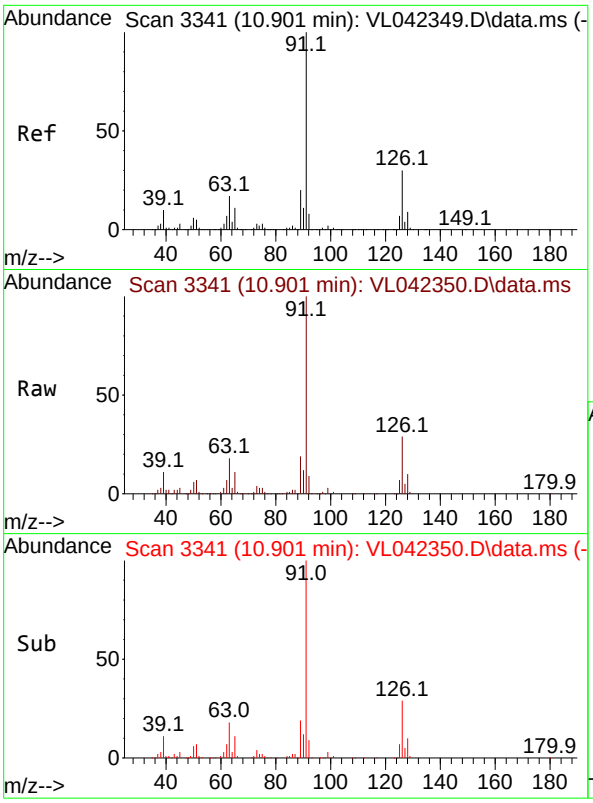


#70
n-Butylbenzene
Concen: 2.164 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion: 91 Resp: 198221

Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.2	66.4
134	22.6	18.2	27.4



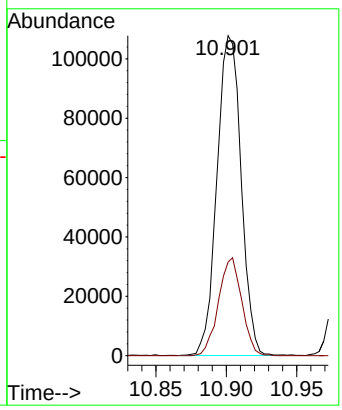


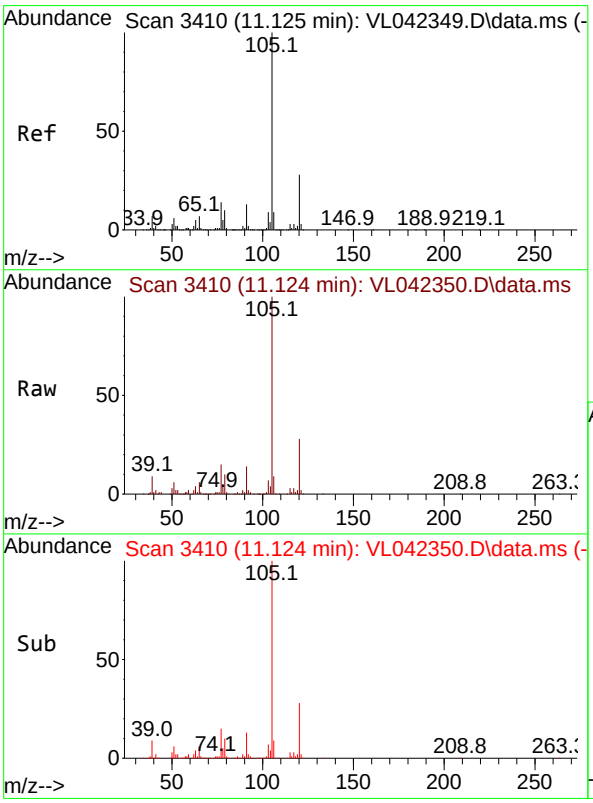
#71
2-Chlorotoluene
Concen: 2.075 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 128858

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.4	45.4

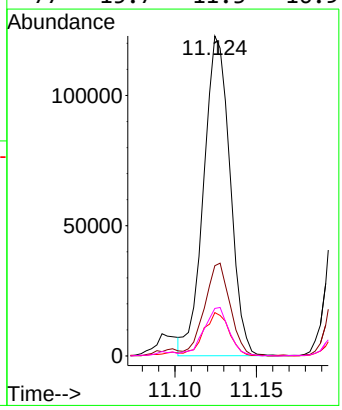


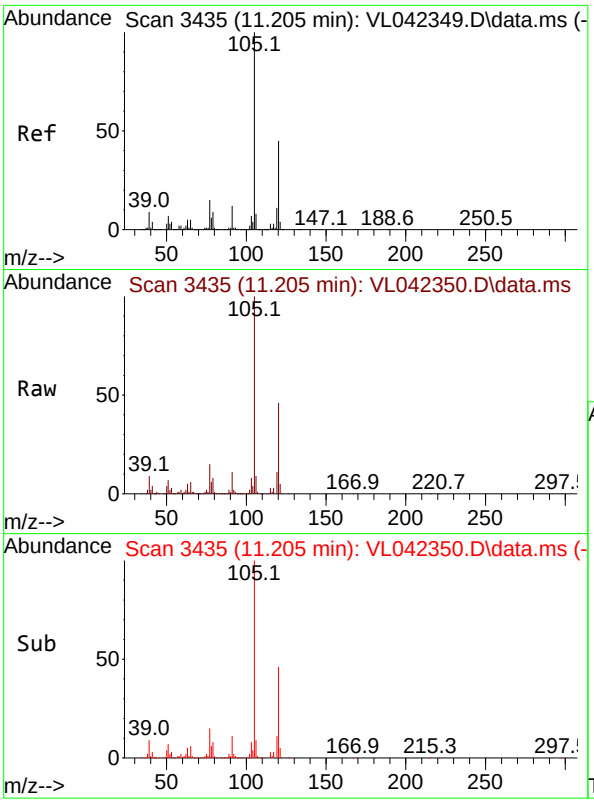


#72
4-Ethyltoluene
Concen: 2.091 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 137872

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.2	34.8
91	14.4	10.4	15.6
77	15.7	11.3	16.9



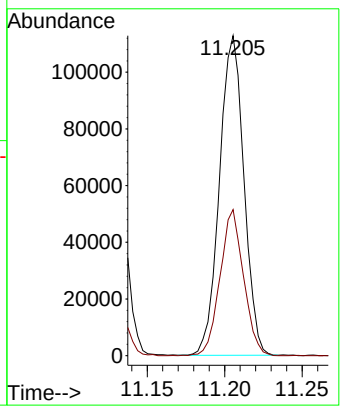


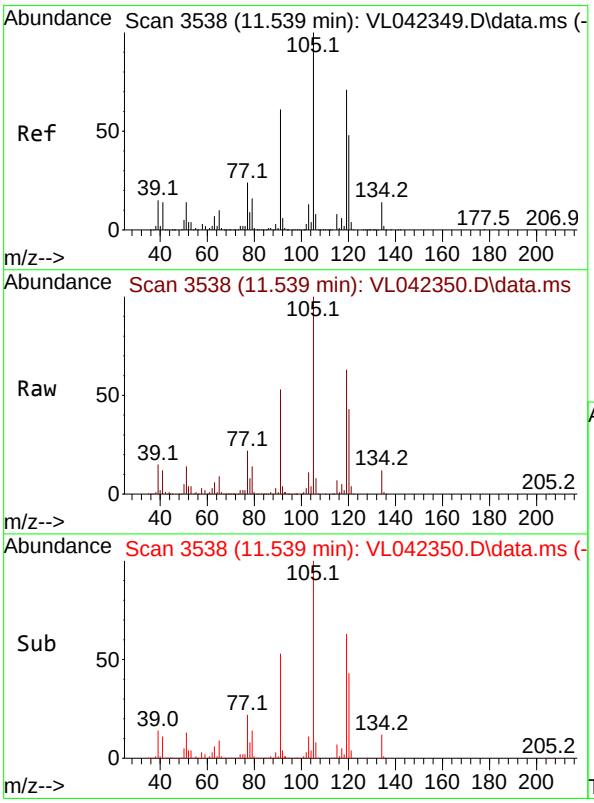
#73
1,3,5-Trimethylbenzene
Concen: 2.123 ppbv
RT: 11.205 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 123580

Ion	Ratio	Lower	Upper
105	100		
120	45.7	35.6	53.4

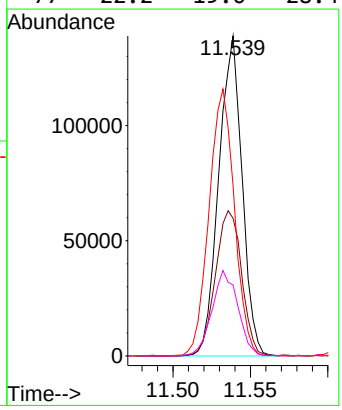


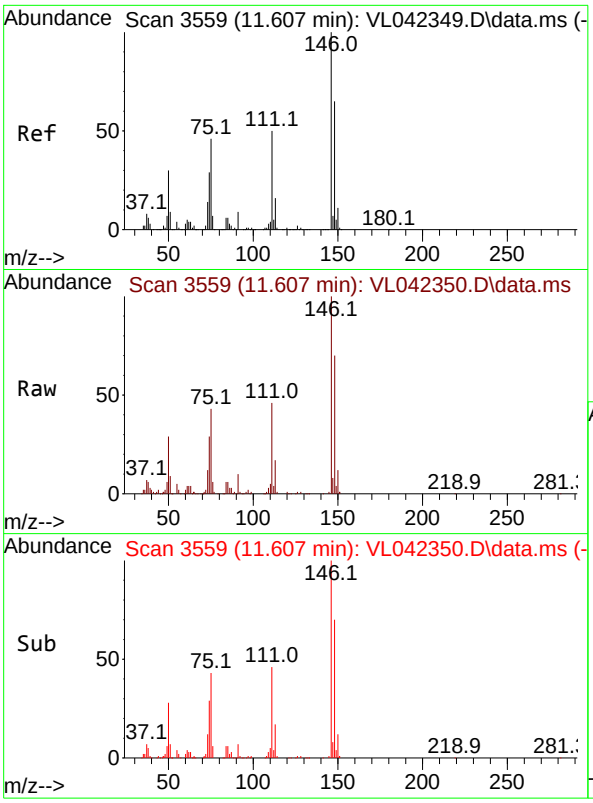


#74
1,2,4-Trimethylbenzene
Concen: 2.140 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:105 Resp: 145510

Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.1	57.1
91	53.1	48.8	73.2
77	22.2	19.0	28.4



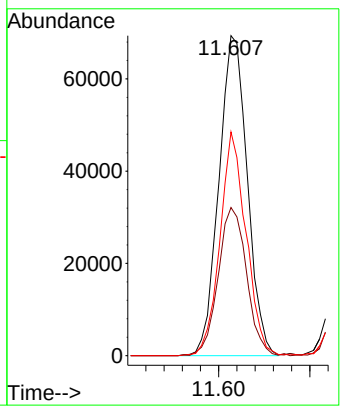


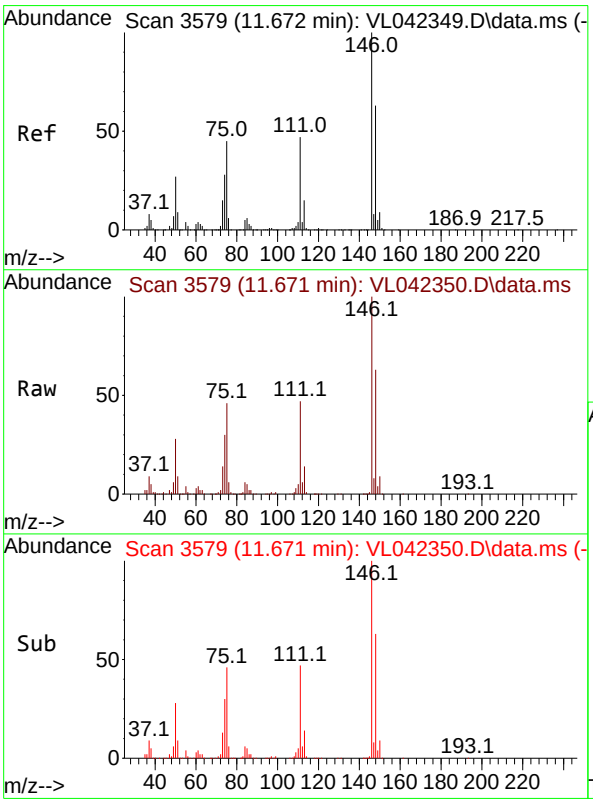
#75
1,3-Dichlorobenzene
Concen: 2.124 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 75082

Ion	Ratio	Lower	Upper
146	100		
111	46.3	24.3	72.8
148	64.3	31.6	94.8

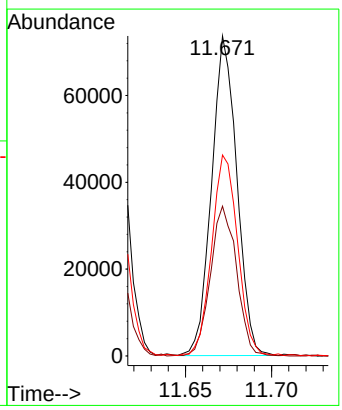


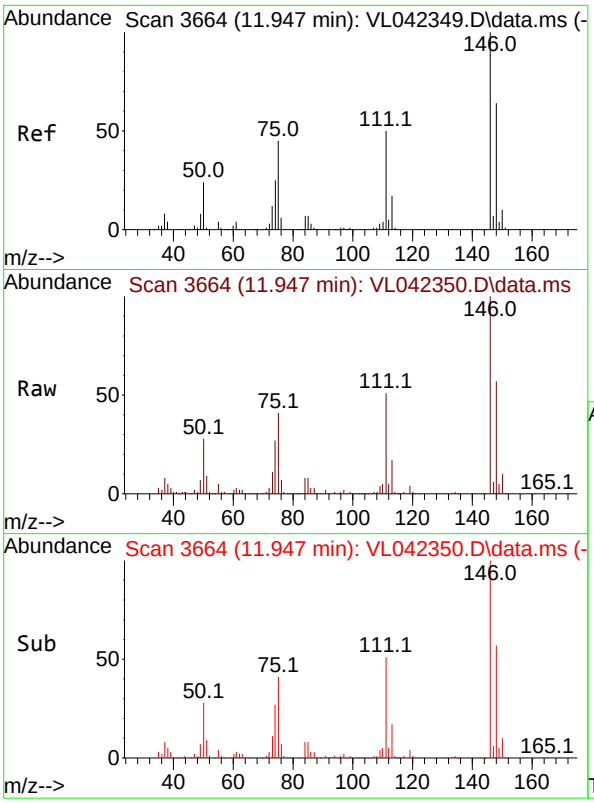


#76
1,4-Dichlorobenzene
Concen: 2.120 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:146 Resp: 75323

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.2	72.6
148	65.1	32.1	96.5



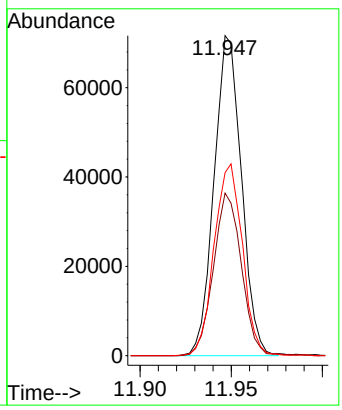


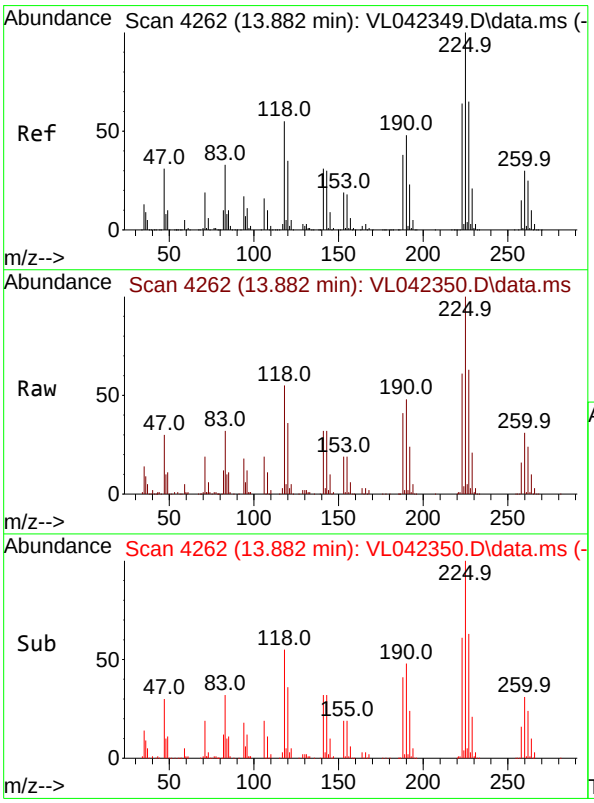
#77
1,2-Dichlorobenzene
Concen: 2.176 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 74786

Ion	Ratio	Lower	Upper
146	100		
111	52.0	25.3	75.9
148	61.8	31.5	94.5

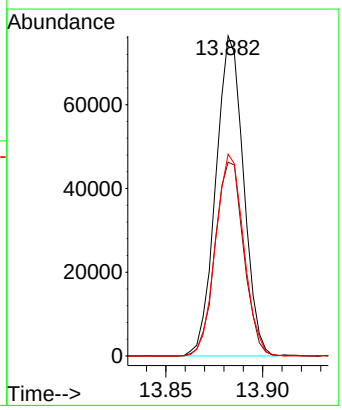


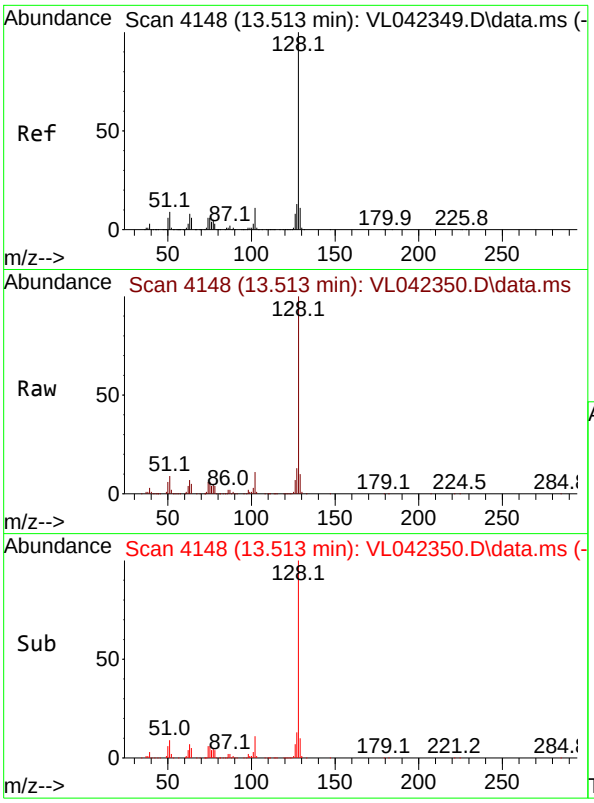


#78
Hexachloro-1,3-Butadiene
Concen: 2.194 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:225 Resp: 76158

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	64.1	51.5	77.3



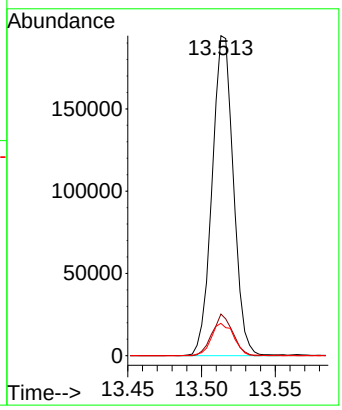


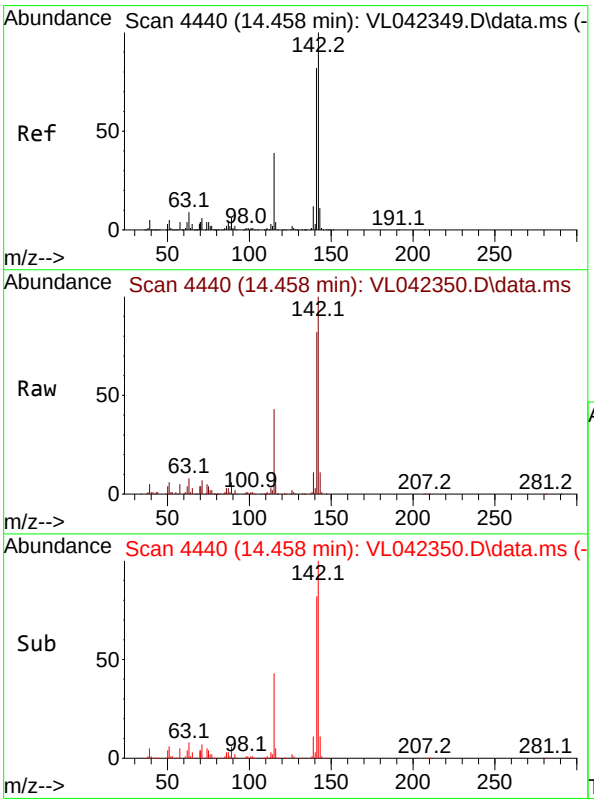
#79
Naphthalene
Concen: 2.401 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 195233

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.1	8.6	12.8

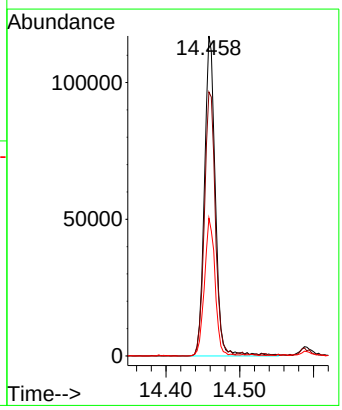


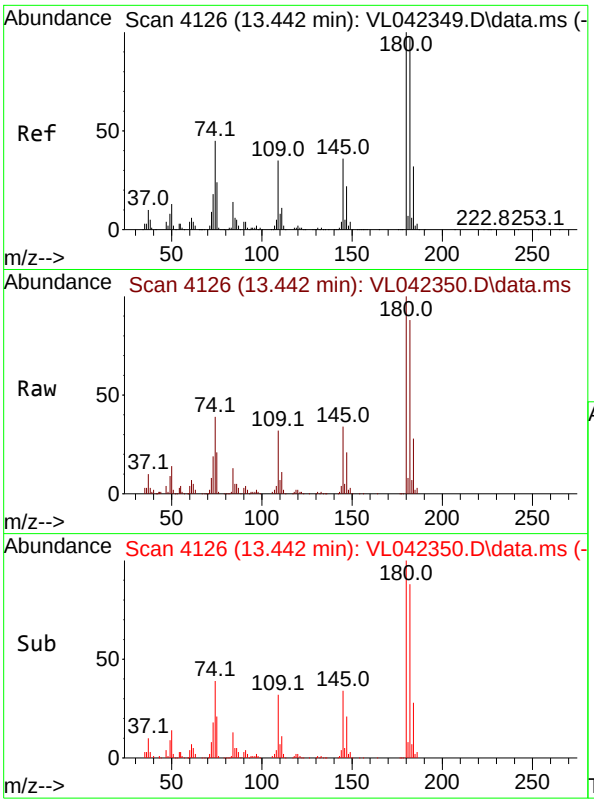


#80
Naphthalene,2-methyl-
Concen: 2.574 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Tgt Ion:142 Resp: 119262

Ion	Ratio	Lower	Upper
142	100		
141	84.7	66.8	100.2
115	42.2	33.4	50.2



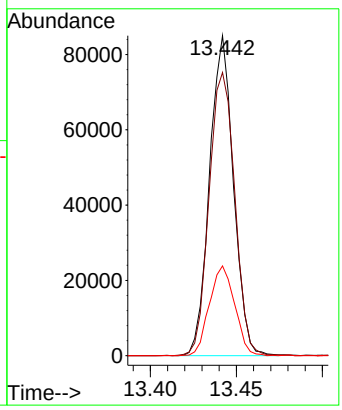


#81
1,2,4-Trichlorobenzene
Concen: 2.353 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042350.D
Acq: 17 Apr 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 82156

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
184	29.8	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	124177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	359907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	329090	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	269087	9.950	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	22816	1.040	ppbv	93
3) Chlorodifluoromethane	1.476	51	20573	0.985	ppbv	97
4) Chloromethane	1.535	50	9008	1.038	ppbv	99
5) Vinyl Chloride	1.580	62	8807	0.932	ppbv	98
6) Bromomethane	1.671	94	4099	1.001	ppbv	91
7) Chloroethane	1.706	64	3559	1.041	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	19251	1.022	ppbv	100
9) Propene	1.486	41	9892	1.040	ppbv	92
10) Heptane	4.982	43	16193	0.633	ppbv #	49
11) Trichlorofluoromethane	1.878	101	22428	1.075	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	17865	1.047	ppbv	98
13) Ethanol	1.722	45	810	1.042	ppbv #	43
14) Bromoethene	1.784	108	6766	1.052	ppbv #	89
15) Acetone	1.839	43	23537	1.158	ppbv	97
16) 1,3-Butadiene	1.609	39	9495	0.995	ppbv	96
17) tert-Butyl alcohol	2.043	59	26477	1.051	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	7890	0.962	ppbv	94
19) Isopropyl Alcohol	1.888	45	12175	1.078	ppbv #	39
20) Methylene Chloride	2.062	84	9046	1.136	ppbv	87
21) Allyl Chloride	2.098	41	15057	1.073	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	9421	1.038	ppbv	96
23) Vinyl Acetate	2.467	43	9234	1.122	ppbv #	90
24) 1,1-Dichloroethane	2.409	63	18236	1.058	ppbv	99
25) Ethyl Acetate	2.842	43	51494	1.027	ppbv #	97
26) Hexane	2.826	57	21350	1.053	ppbv	95
27) Carbon Disulfide	2.153	76	20739	0.955	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	14164	1.066	ppbv #	85
29) Chloroform	2.852	83	28973	1.011	ppbv	100
30) Cyclohexane	3.862	84	8430	0.516	ppbv #	1
31) cis-1,2-Dichloroethene	2.723	61	19904	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	31653	1.030	ppbv	98
34) 2-Butanone	2.564	43	29735	1.045	ppbv	99
35) Carbon Tetrachloride	3.768	117	29875	0.917	ppbv	94
36) Benzene	3.661	78	38707	0.997	ppbv	95
37) 1,2-Dichloroethane	3.224	62	23284	0.999	ppbv	97
38) Trichloroethene	4.551	130	16119	0.947	ppbv	96
39) 1,2-Dichloropropane	4.318	63	14866	1.027	ppbv	96
40) 1,4-Dioxane	4.603	88	967	0.123	ppbv #	1
41) Tetrahydrofuran	3.062	42	17259	1.049	ppbv	96
42) Bromodichloromethane	4.490	83	32721	1.009	ppbv #	98
43) Methyl Methacrylate	4.885	69	13084	0.751	ppbv #	47
44) 2,2,4-Trimethylpentane	4.648	57	28653	0.427	ppbv #	21
45) t-1,3-Dichloropropene	6.416	75	11763	0.658	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

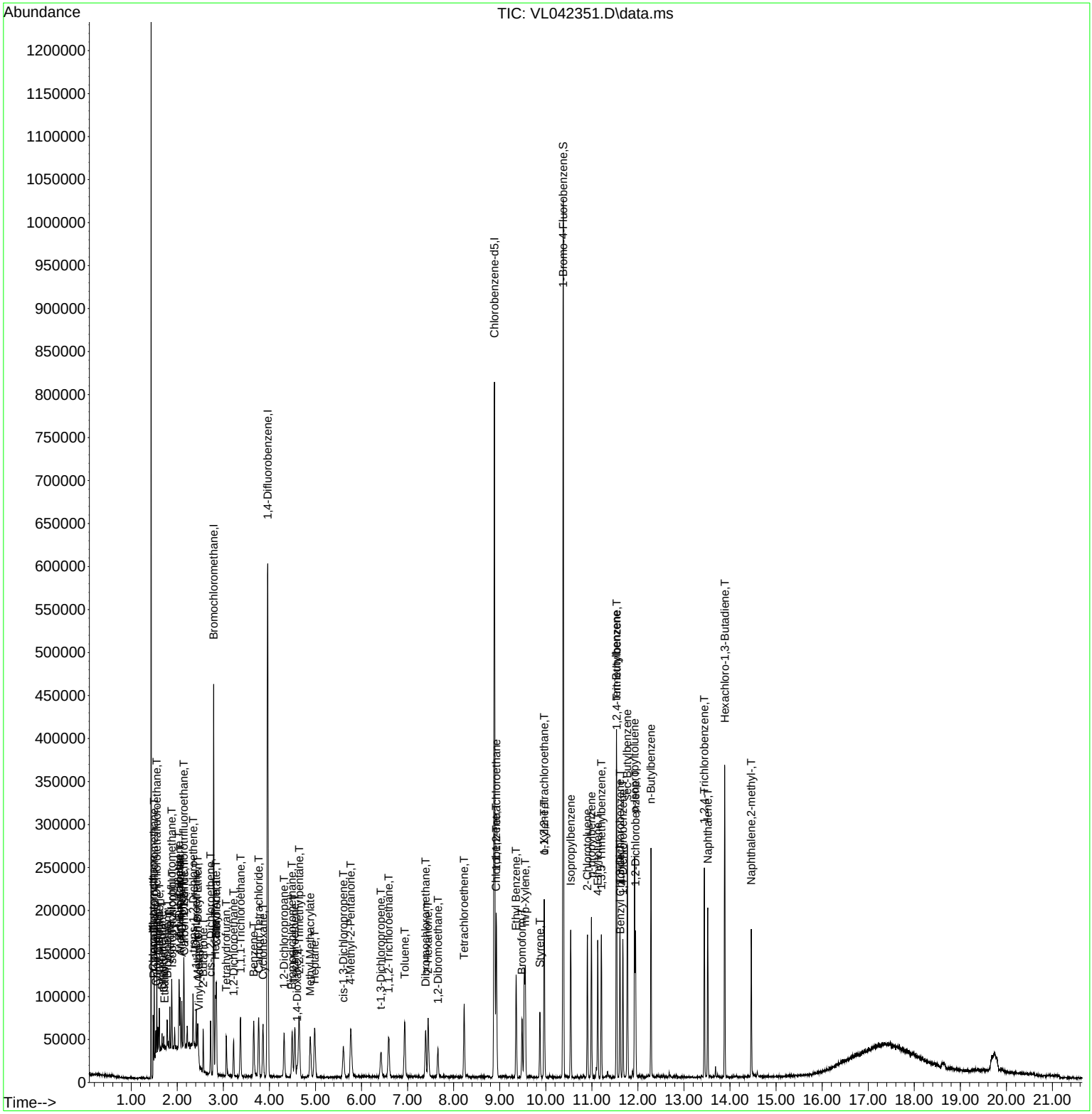
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	13028	0.596	ppbv		95
47) 1,1,2-Trichloroethane	6.587	97	7690	0.521	ppbv	#	78
48) Dibromochloromethane	7.390	129	25948	0.997	ppbv		100
49) Bromoform	9.484	173	22413	0.984	ppbv		98
50) 4-Methyl-2-Pentanone	5.765	43	49725	1.049	ppbv		97
51) 2-Hexanone	7.445	43	47178	1.103	ppbv		99
52) Tetrachloroethene	8.228	164	14154	0.943	ppbv		93
53) Toluene	6.940	91	46611	1.001	ppbv		100
54) 1,2-Dibromoethane	7.658	107	21780	1.036	ppbv		93
56) 1,1,1,2-Tetrachloroethane	8.927	131	21052	1.057	ppbv		95
57) Chlorobenzene	8.921	112	35113	1.026	ppbv	#	95
58) Ethyl Benzene	9.354	91	68703	1.054	ppbv		96
59) m/p-Xylene	9.552	91	48794	0.926	ppbv	#	32
60) o-Xylene	9.966	91	55831	1.056	ppbv		99
61) Styrene	9.872	104	25544	1.012	ppbv		100
62) Isopropylbenzene	10.542	105	81286	1.047	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	32410	0.943	ppbv		99
64) n-propylbenzene	10.989	120	19898	1.019	ppbv		90
65) tert-Butylbenzene	11.533	119	77598	1.087	ppbv		92
66) Benzyl Chloride	11.617	91	7864	1.003	ppbv	#	91
67) sec-Butylbenzene	11.769	105	105919	1.067	ppbv		97
69) p-Isopropyltoluene	11.928	119	92733	1.075	ppbv		97
70) n-Butylbenzene	12.284	91	96306	1.072	ppbv		99
71) 2-Chlorotoluene	10.905	91	63321	1.040	ppbv		99
72) 4-Ethyltoluene	11.128	105	69698	1.078	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	60927	1.067	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	73888	1.108	ppbv		95
75) 1,3-Dichlorobenzene	11.610	146	36877	1.064	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	36692	1.053	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	35977	1.068	ppbv		97
78) Hexachloro-1,3-Butadiene	13.886	225	37377	1.098	ppbv		99
79) Naphthalene	13.517	128	90710	1.138	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	50487	1.111	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	36764	1.074	ppbv		99

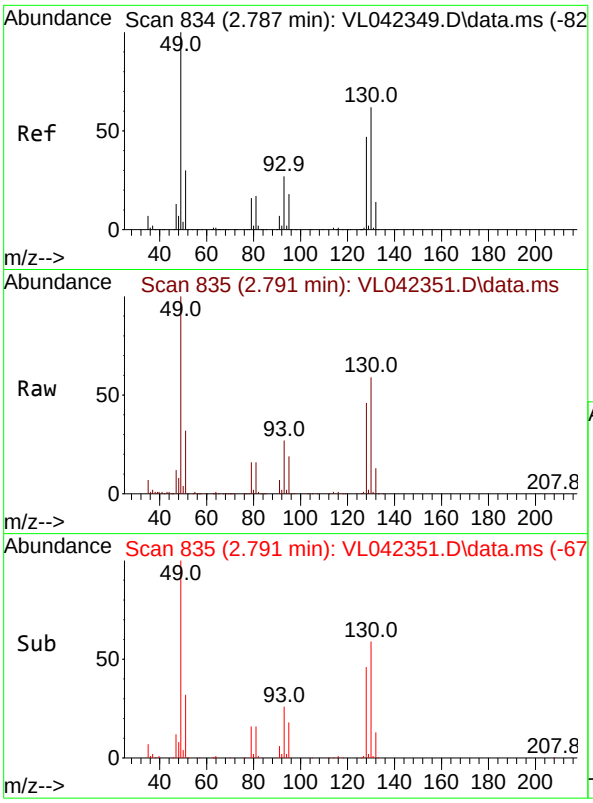
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042351.D
Acq On : 17 Apr 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



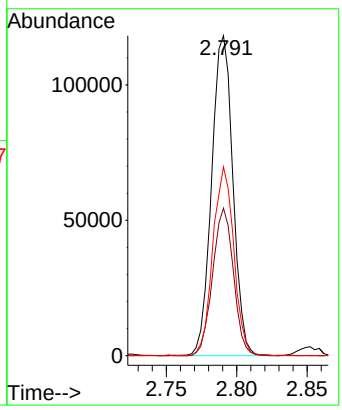


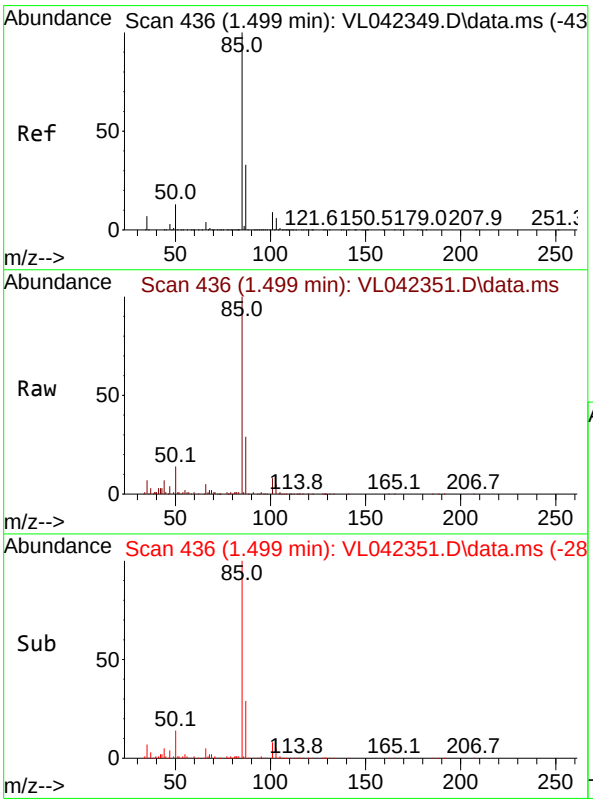
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 124177

Ion	Ratio	Lower	Upper
49	100		
128	45.2	22.8	68.4
130	58.1	29.3	88.0

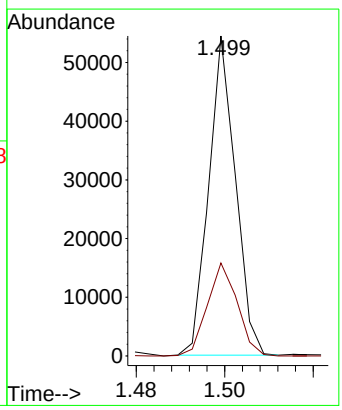


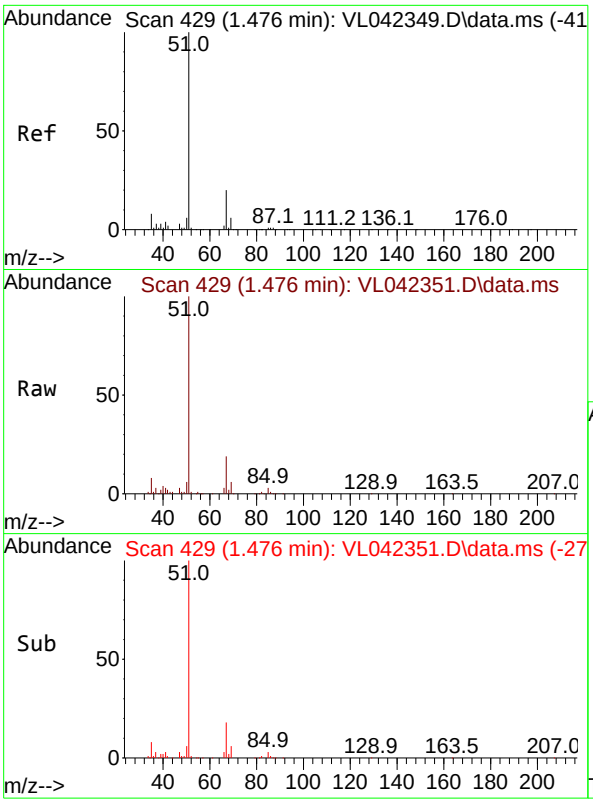


#2
Dichlorodifluoromethane
Concen: 1.040 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 85 Resp: 22816

Ion	Ratio	Lower	Upper
85	100		
87	29.1	26.6	39.8



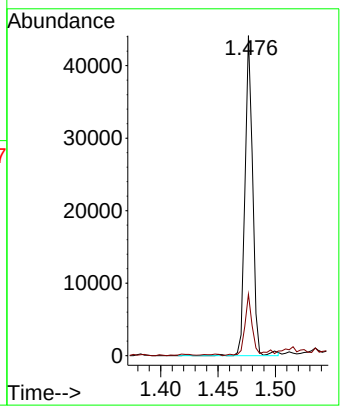


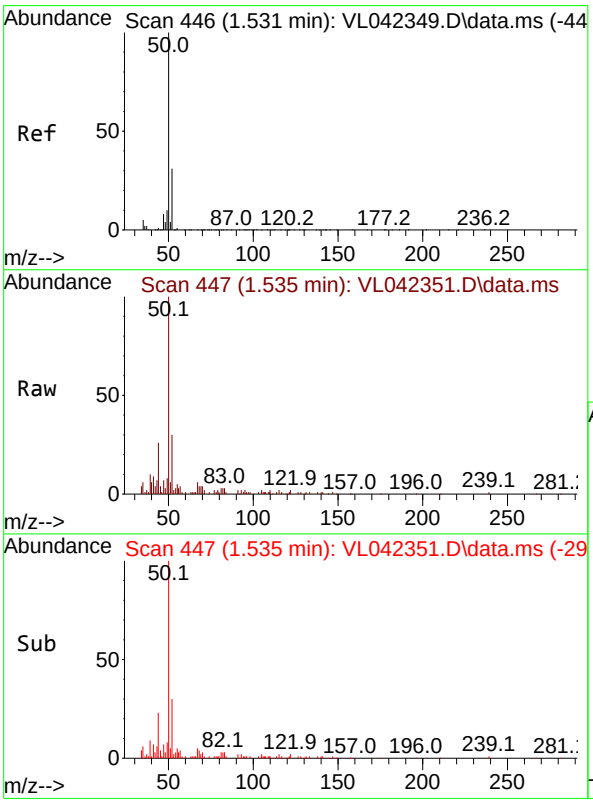
#3
Chlorodifluoromethane
Concen: 0.985 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 20573

Ion	Ratio	Lower	Upper
51	100		
67	19.1	16.2	24.4

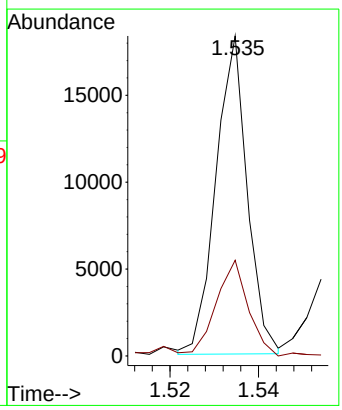


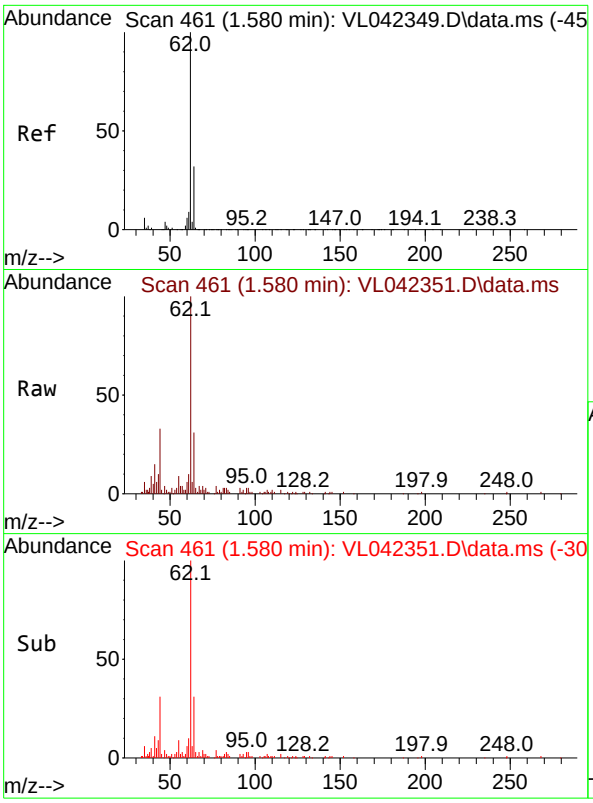


#4
Chloromethane
Concen: 1.038 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 50 Resp: 9008

Ion	Ratio	Lower	Upper
50	100		
52	30.4	24.7	37.1



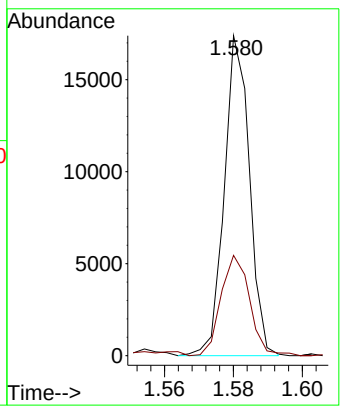


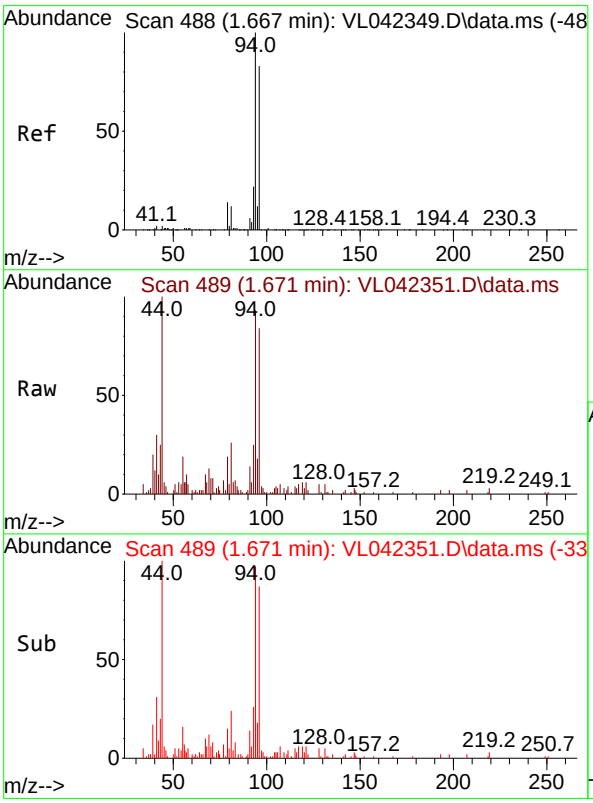
#5
Vinyl Chloride
Concen: 0.932 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 8807

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.4	38.0

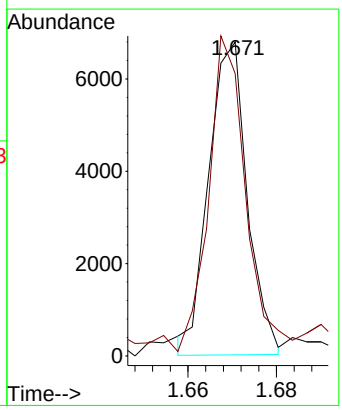


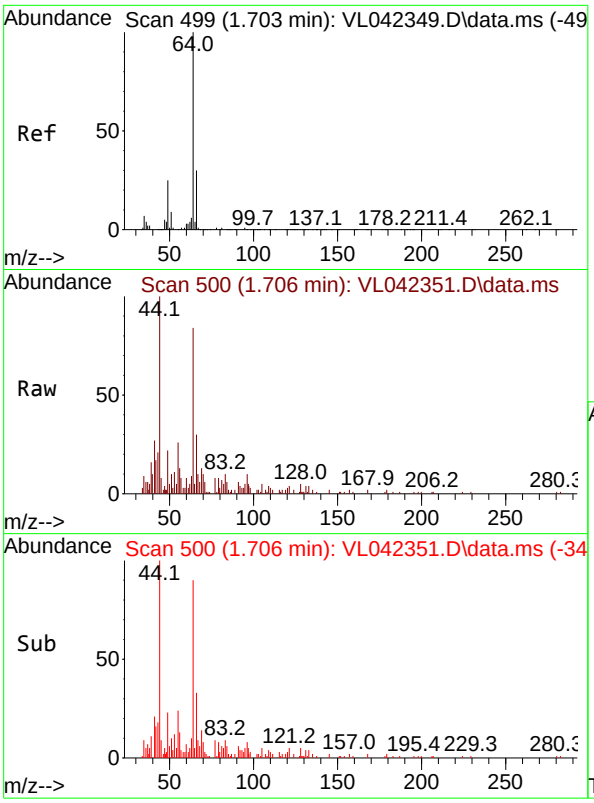


#6
Bromomethane
Concen: 1.001 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 94 Resp: 4099

Ion	Ratio	Lower	Upper
94	100		
96	91.0	66.2	99.2



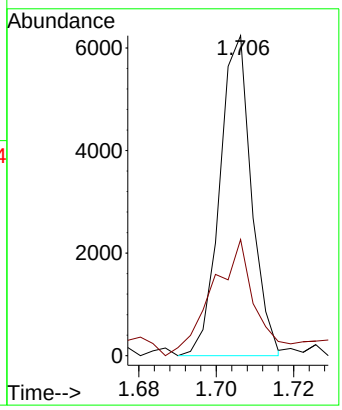


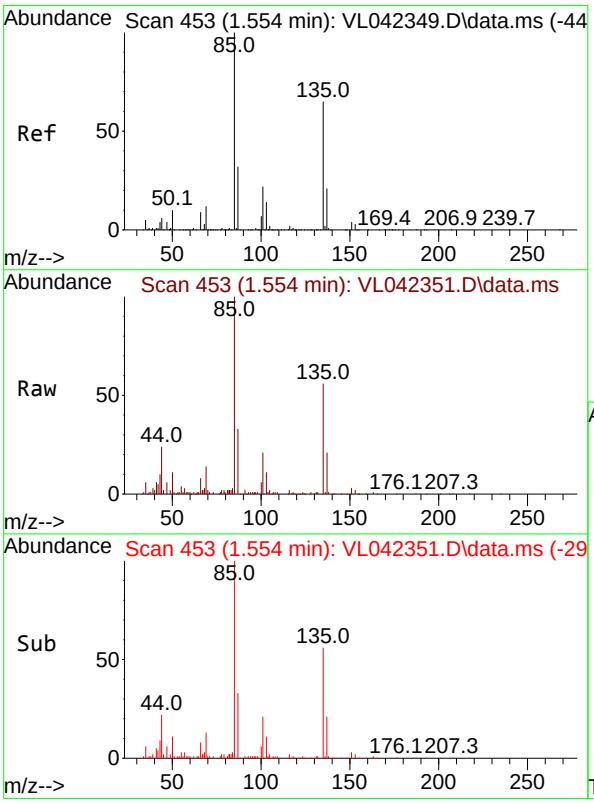
#7
Chloroethane
Concen: 1.041 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 3559

Ion	Ratio	Lower	Upper
64	100		
66	36.3	24.6	37.0

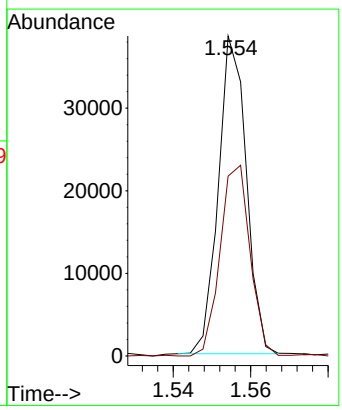


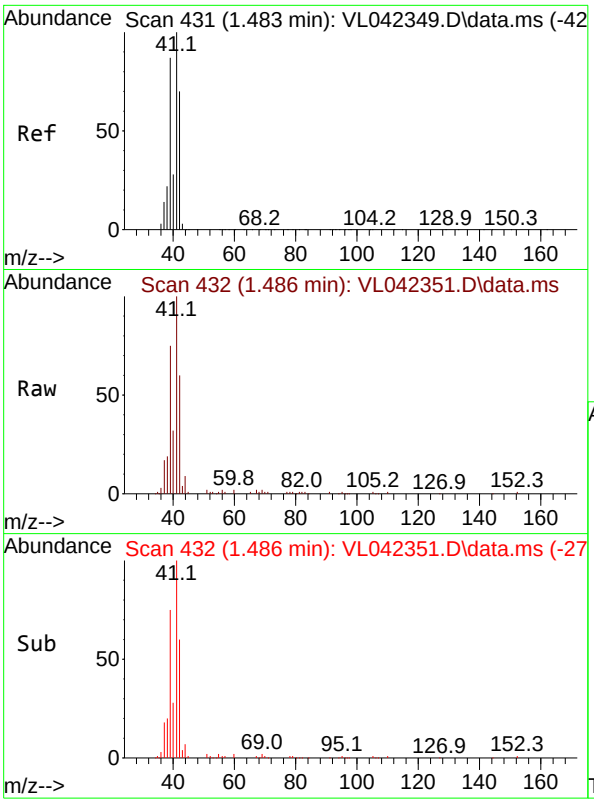


#8
Dichlorotetrafluoroethane
Concen: 1.022 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 85 Resp: 19251

Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.2	78.2



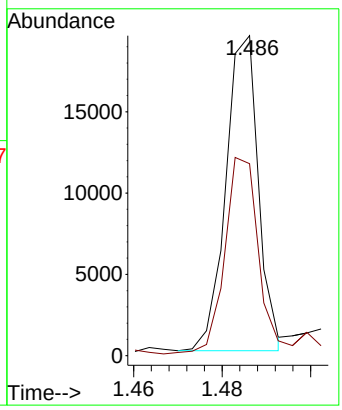


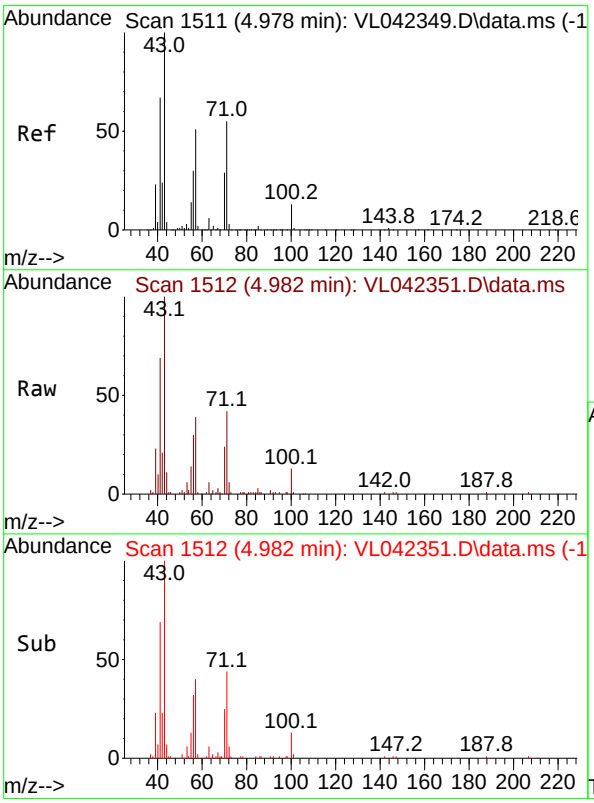
#9
Propene
Concen: 1.040 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 9892

Ion	Ratio	Lower	Upper
41	100		
42	77.2	56.2	84.4

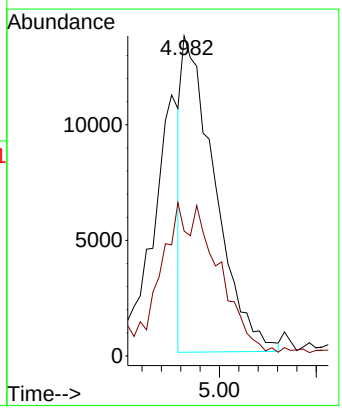


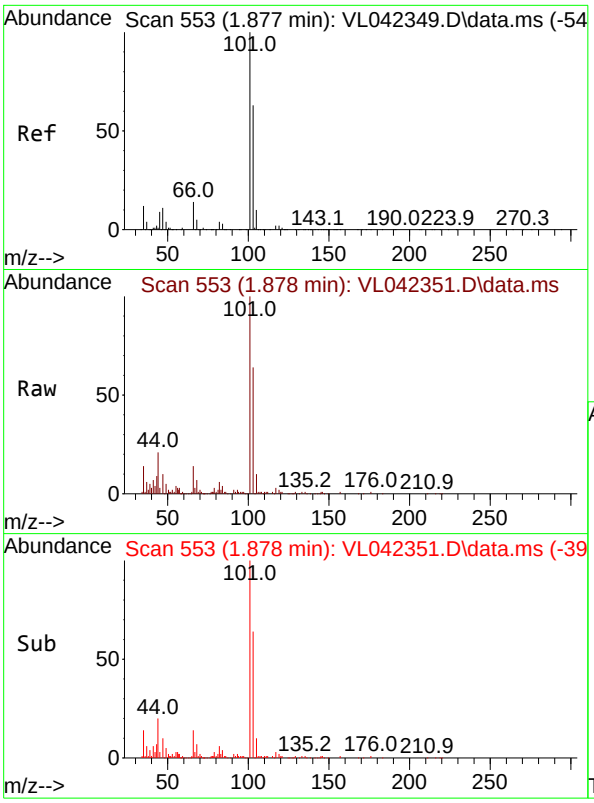


#10
Heptane
Concen: 0.633 ppbv
RT: 4.982 min Scan# 1512
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 16193

Ion	Ratio	Lower	Upper
43	100		
57	84.7	39.9	59.9#



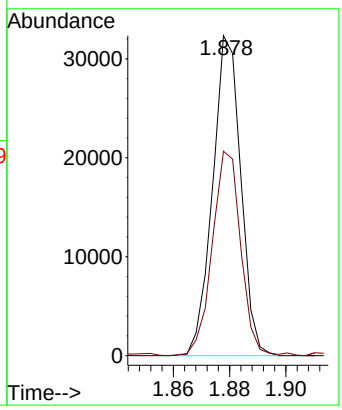


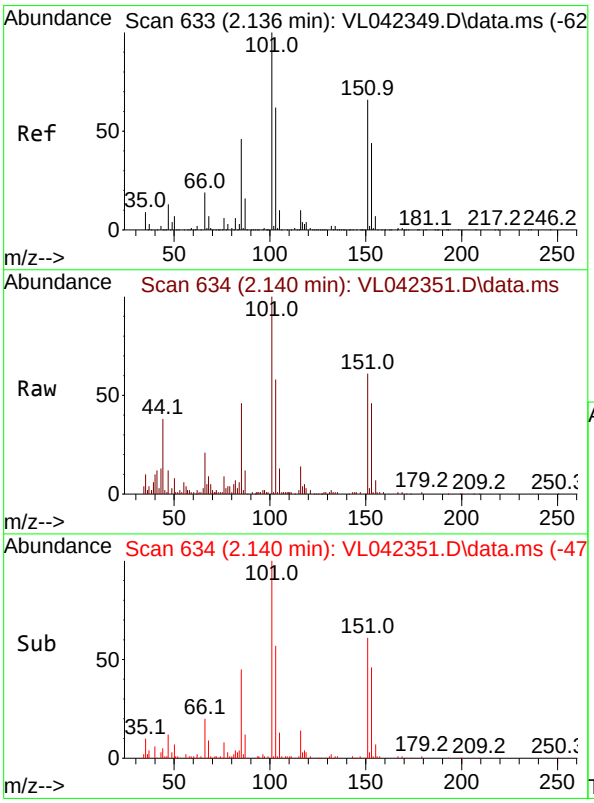
#11
Trichlorofluoromethane
Concen: 1.075 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 22428

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.1	75.1

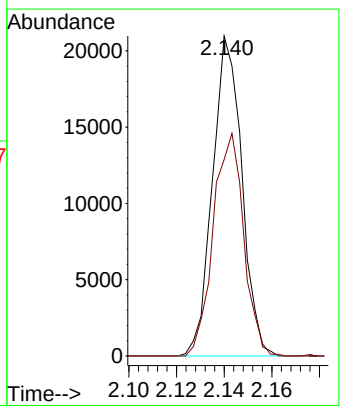


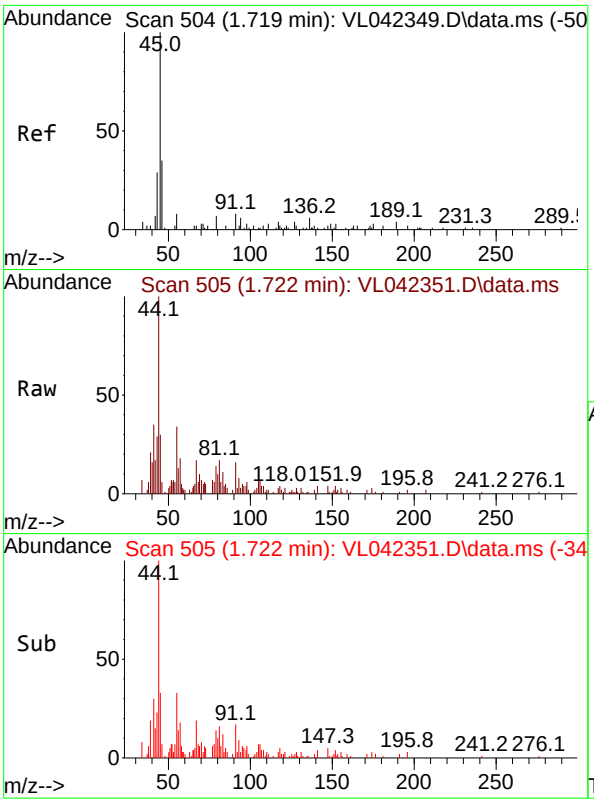


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.047 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:101 Resp: 17865

Ion	Ratio	Lower	Upper
101	100		
151	72.6	57.0	85.6



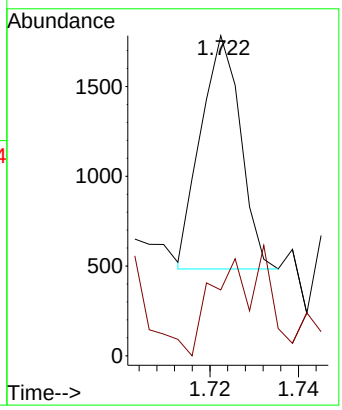


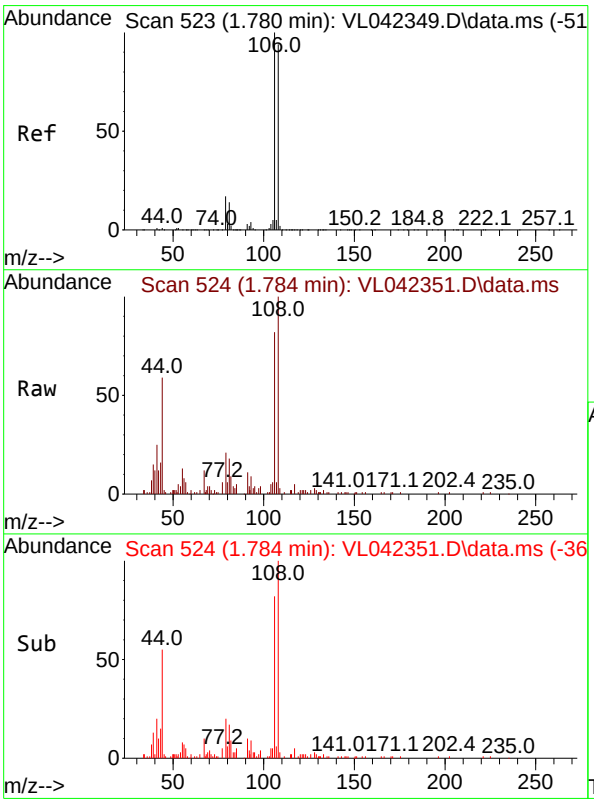
#13
Ethanol
Concen: 1.042 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 810

Ion	Ratio	Lower	Upper
45	100		
46	95.8	21.9	87.7#

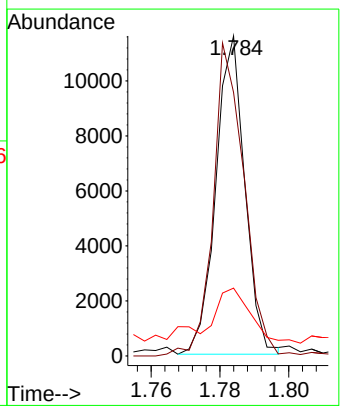


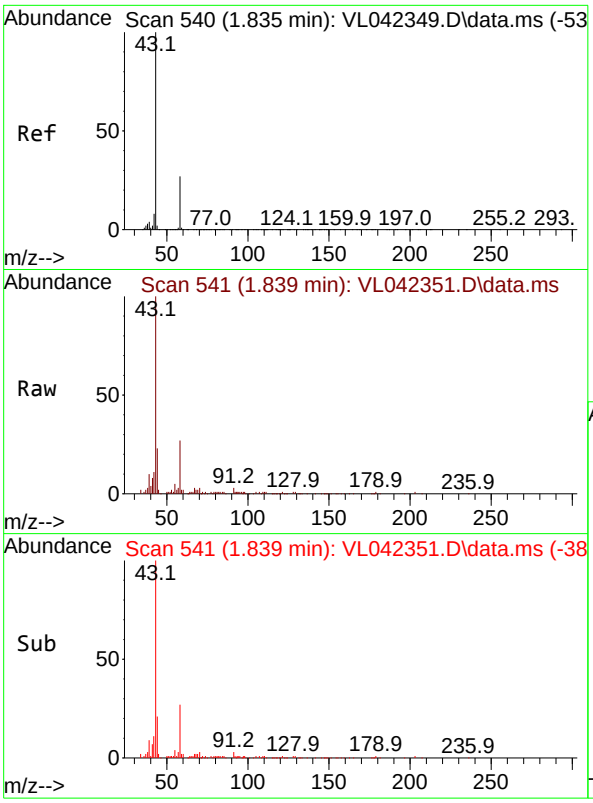


#14
Bromoethene
Concen: 1.052 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:108 Resp: 6766

Ion	Ratio	Lower	Upper
108	100		
106	104.7	85.9	128.9
79	45.4	13.9	20.9#



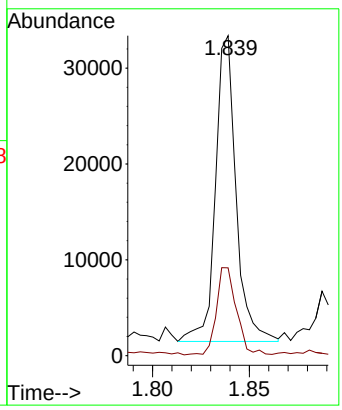


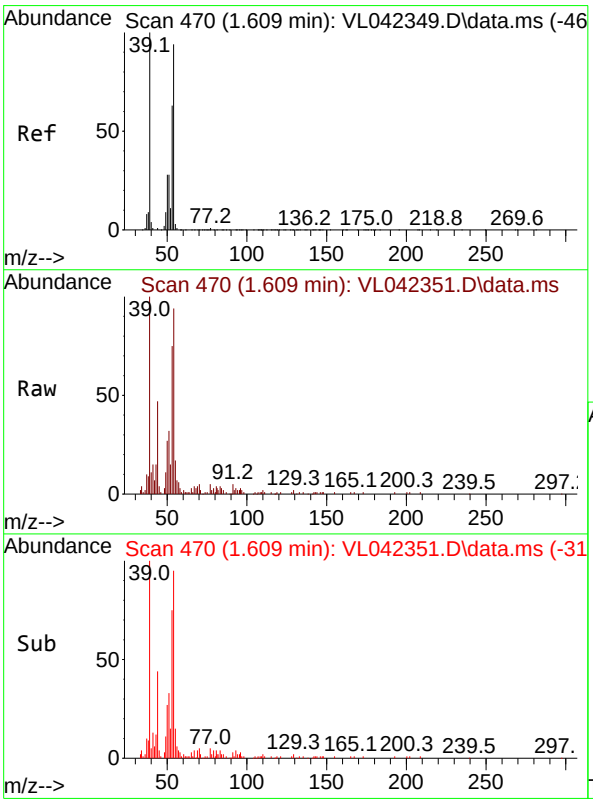
#15
Acetone
Concen: 1.158 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 23537

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.4	33.6

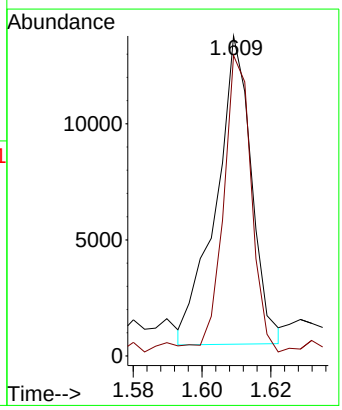


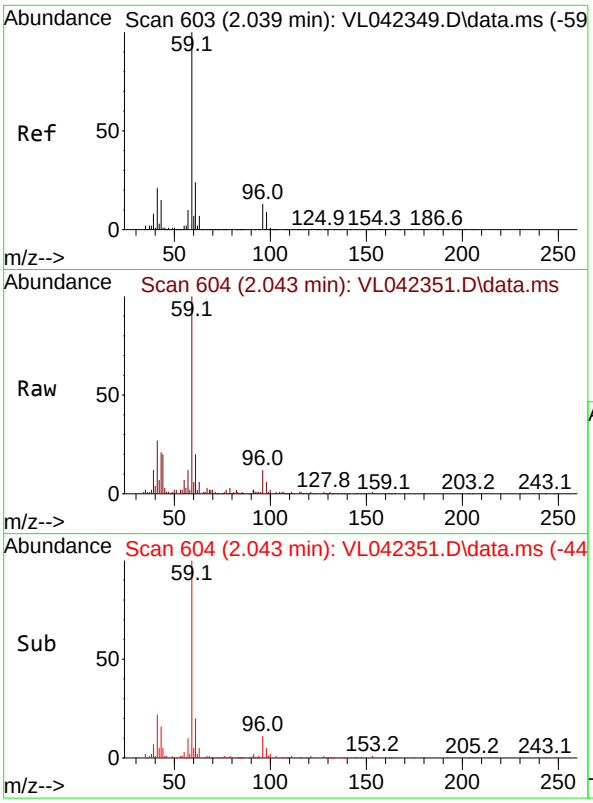


#16
1,3-Butadiene
Concen: 0.995 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 39 Resp: 9495

Ion	Ratio	Lower	Upper
39	100		
54	77.6	64.9	97.3



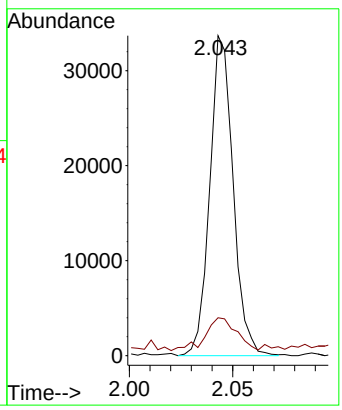


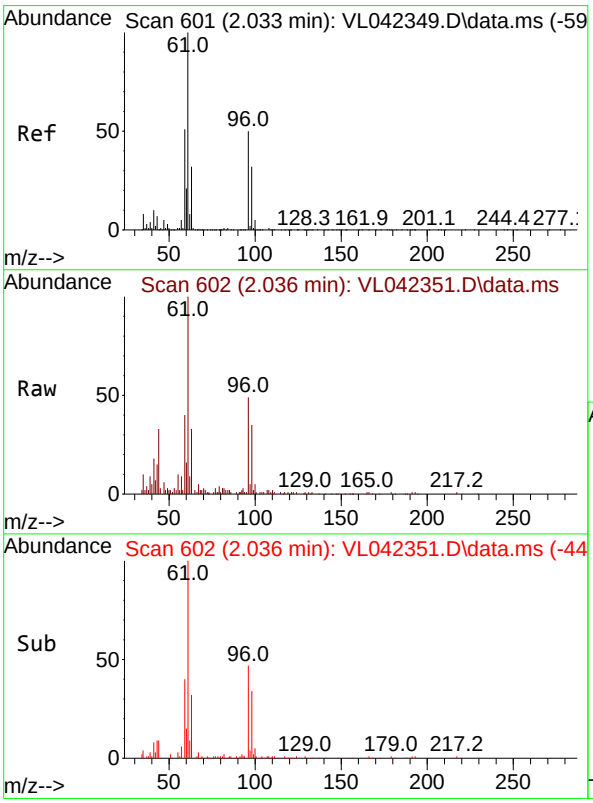
#17
tert-Butyl alcohol
Concen: 1.051 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 26477

Ion	Ratio	Lower	Upper
59	100		
57	14.6	8.7	13.1#

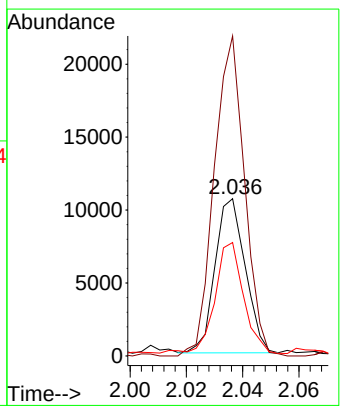


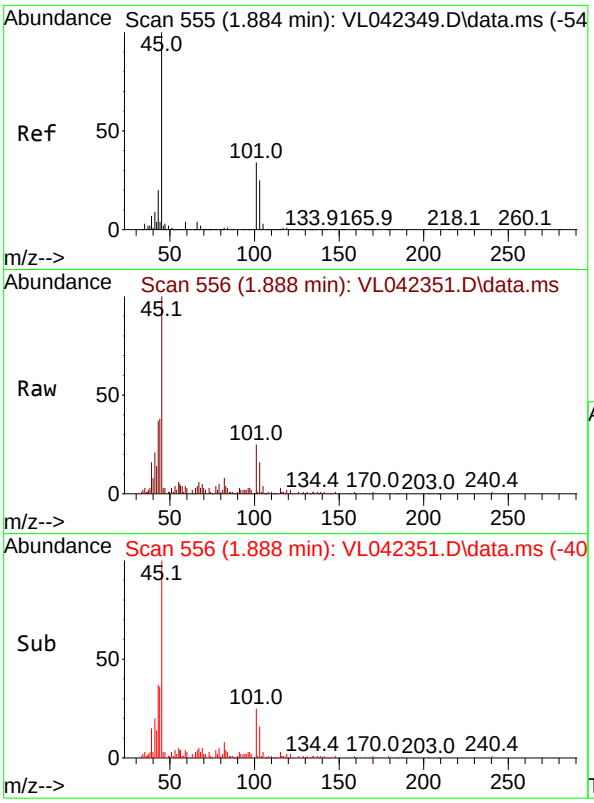


#18
1,1-Dichloroethene
Concen: 0.962 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 96 Resp: 7890

Ion	Ratio	Lower	Upper
96	100		
61	207.8	160.2	240.2
98	71.9	51.0	76.4



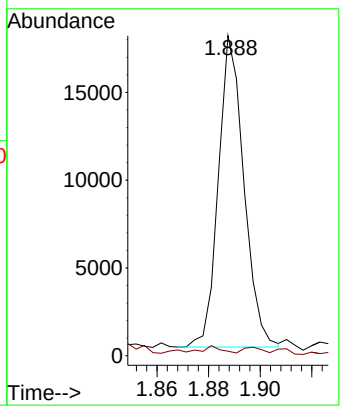


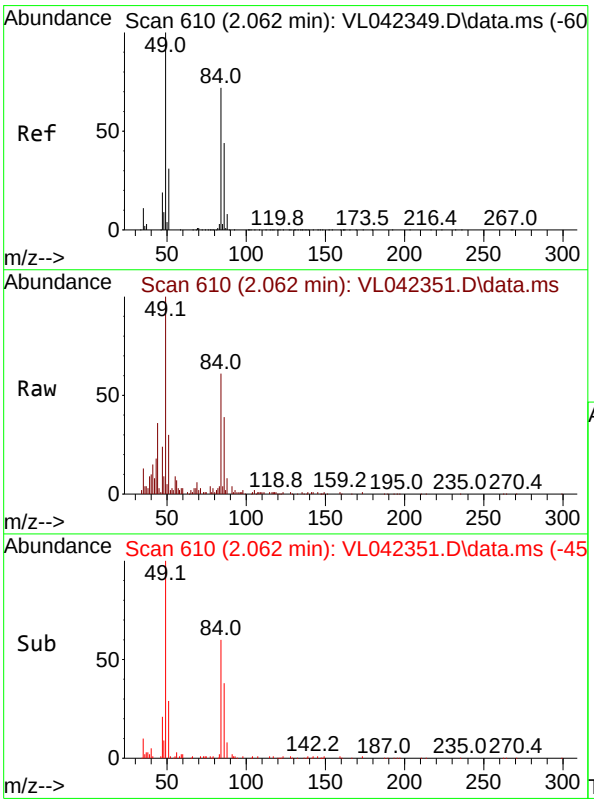
#19
Isopropyl Alcohol
Concen: 1.078 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 12175

Ion	Ratio	Lower	Upper
45	100		
58	3.8	34.5	51.7#

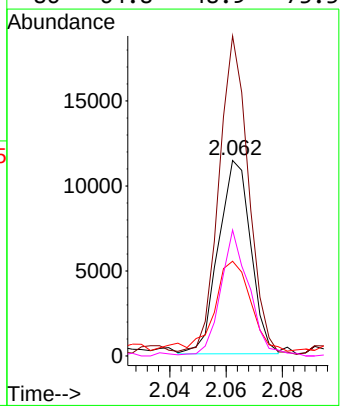


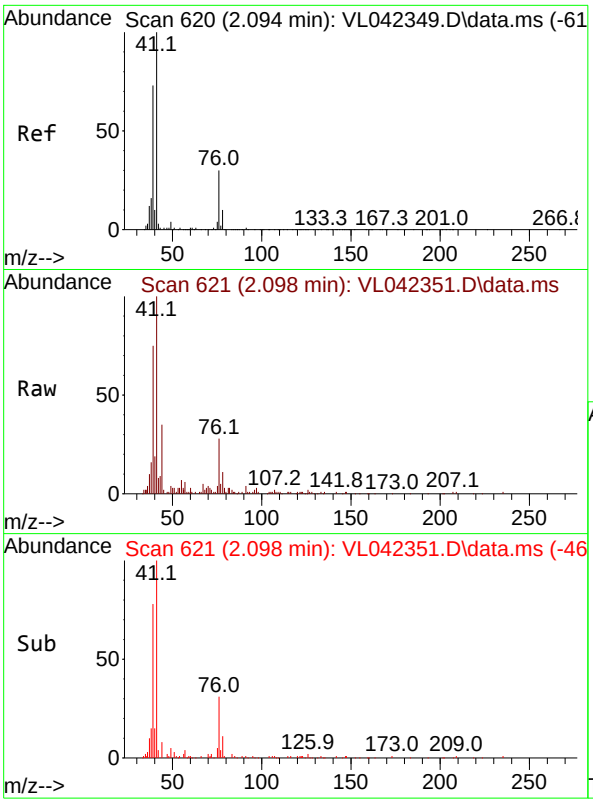


#20
Methylene Chloride
Concen: 1.136 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 84 Resp: 9046

Ion	Ratio	Lower	Upper
84	100		
49	164.4	111.6	167.4
51	44.4	35.1	52.7
86	64.8	48.9	73.3



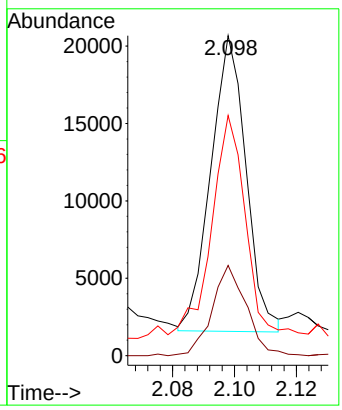


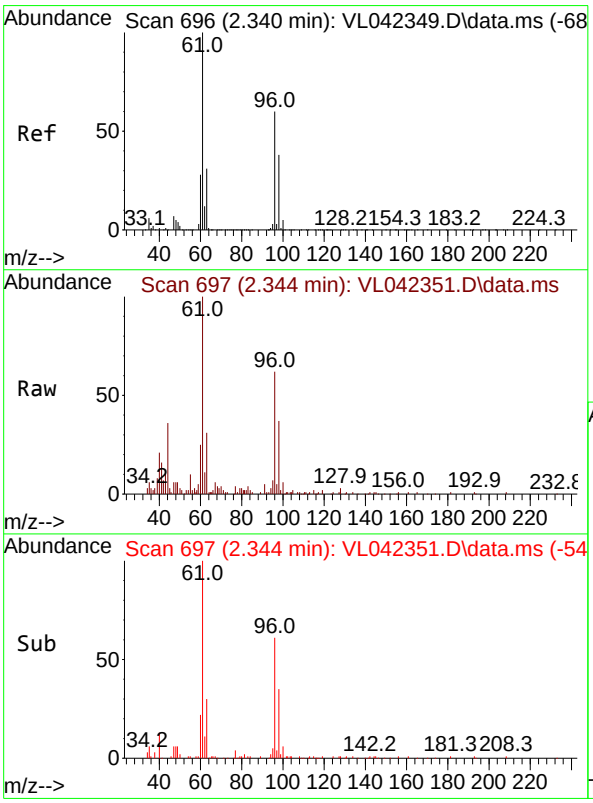
#21
Allyl Chloride
Concen: 1.073 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 15057

Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.8	37.2
39	86.1	60.6	90.8

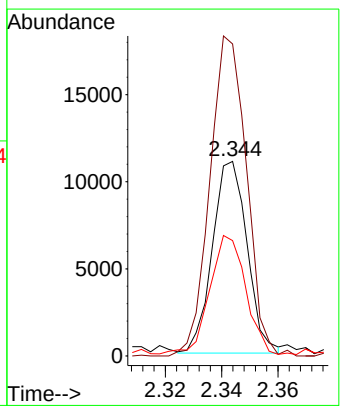


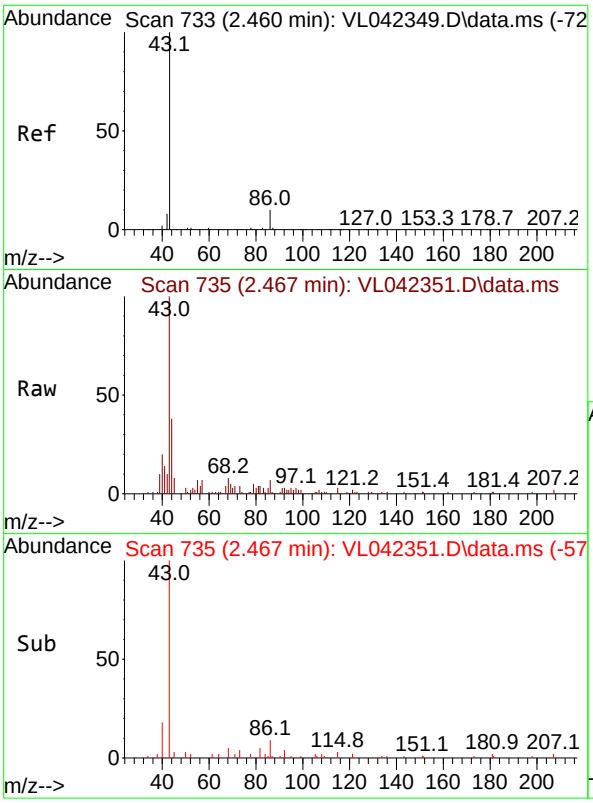


#22
trans-1,2-Dichloroethene
Concen: 1.038 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 96 Resp: 9421

Ion	Ratio	Lower	Upper
96	100		
61	161.7	133.7	200.5
98	59.8	50.3	75.5



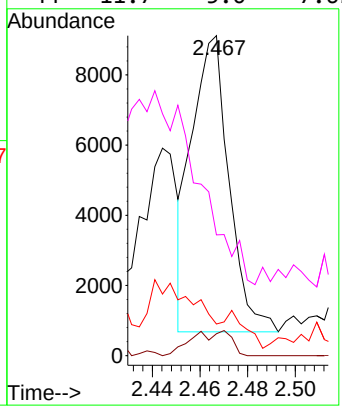


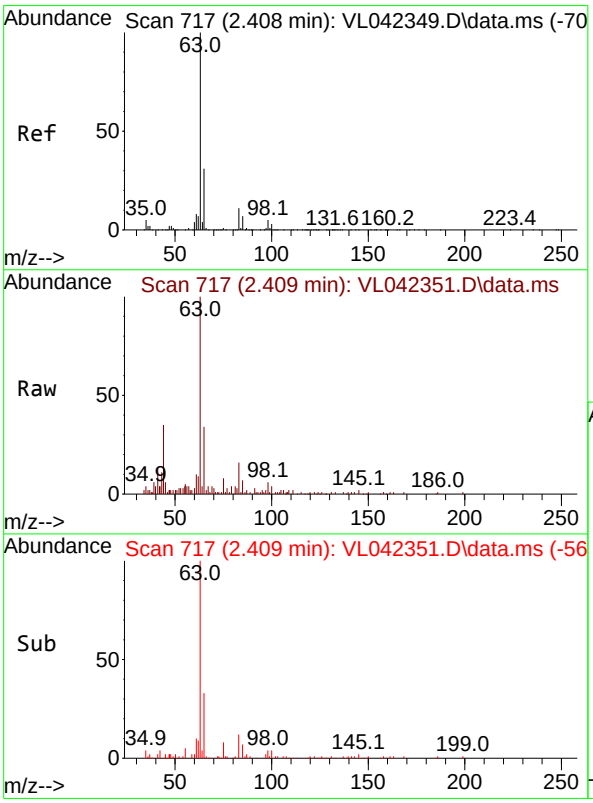
#23
Vinyl Acetate
Concen: 1.122 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9234

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.5	9.7
42	4.6	7.8	11.8#
44	11.7	5.0	7.6#

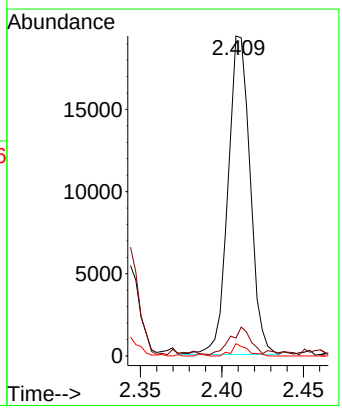


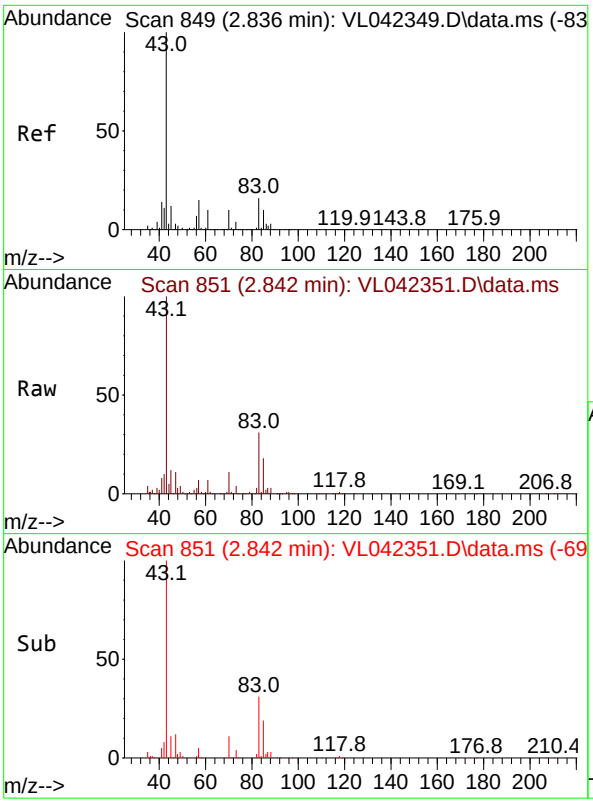


#24
1,1-Dichloroethane
Concen: 1.058 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 63 Resp: 18236

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	3.9	1.6	4.8



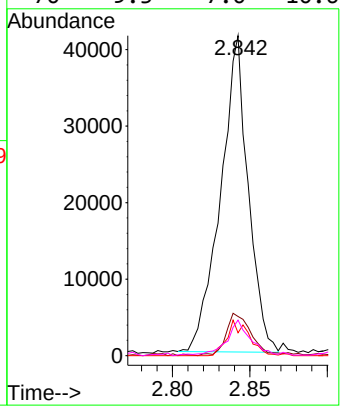


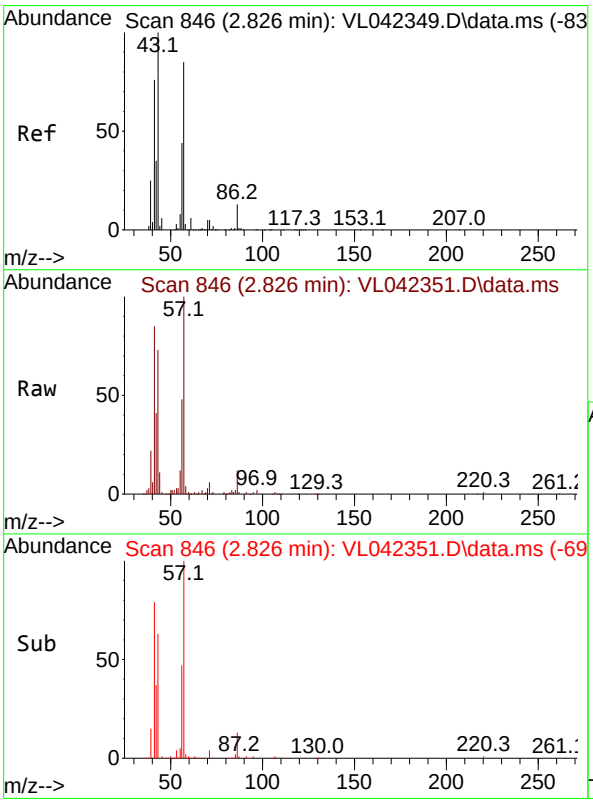
#25
Ethyl Acetate
Concen: 1.027 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 51494

Ion	Ratio	Lower	Upper
43	100		
45	13.1	8.3	12.5#
61	9.0	7.3	10.9
70	9.3	7.0	10.6

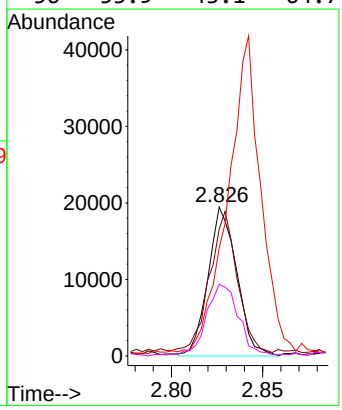


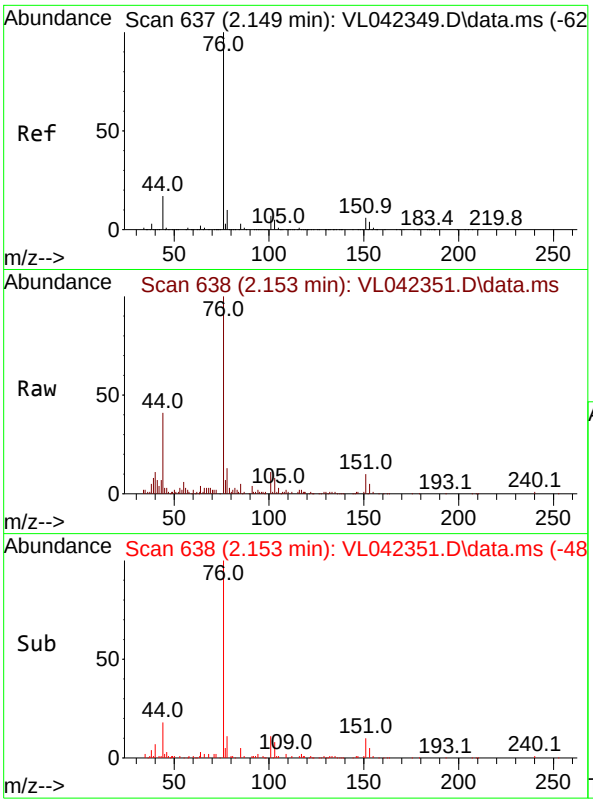


#26
Hexane
Concen: 1.053 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 21350

Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.9	116.9
43	247.5	208.4	312.6
56	53.9	43.1	64.7



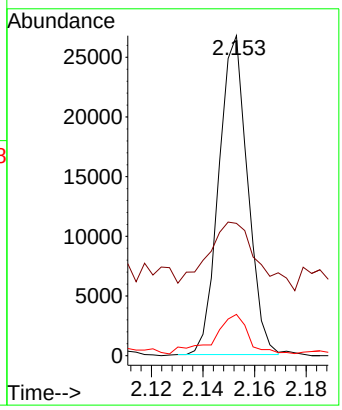


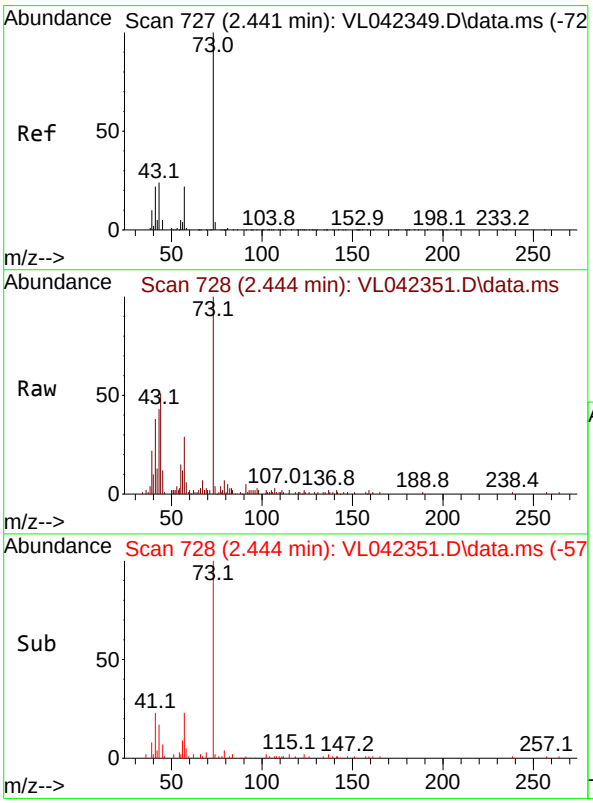
#27
Carbon Disulfide
Concen: 0.955 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 20739

Ion	Ratio	Lower	Upper
76	100		
44	93.1	15.5	23.3#
78	19.8	9.3	13.9#

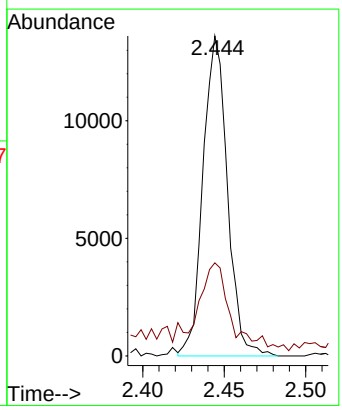


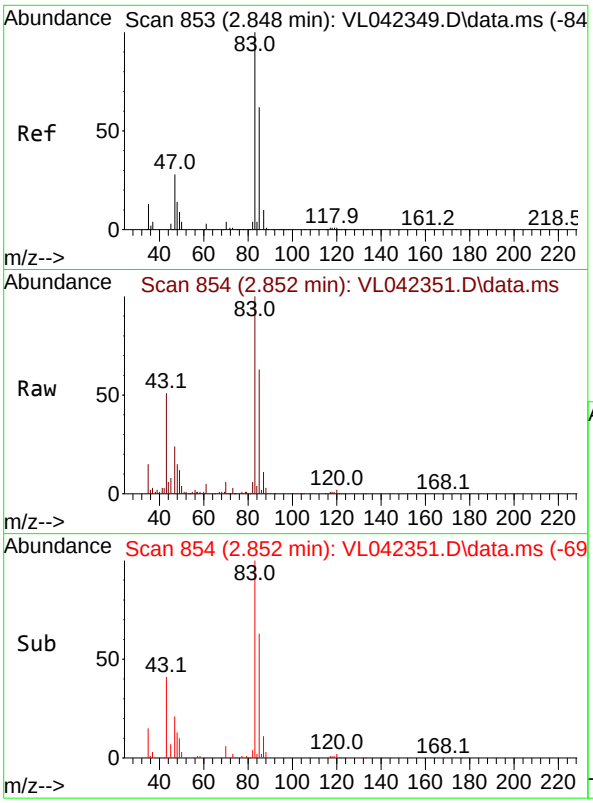


#28
Methyl tert-Butyl Ether
Concen: 1.066 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 73 Resp: 14164

Ion	Ratio	Lower	Upper
73	100		
57	34.2	21.3	31.9#



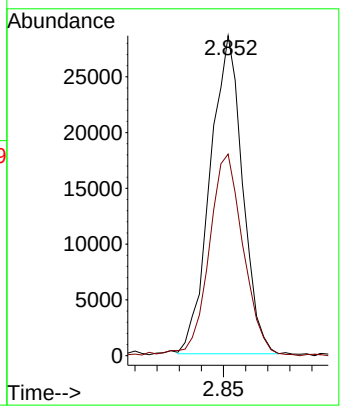


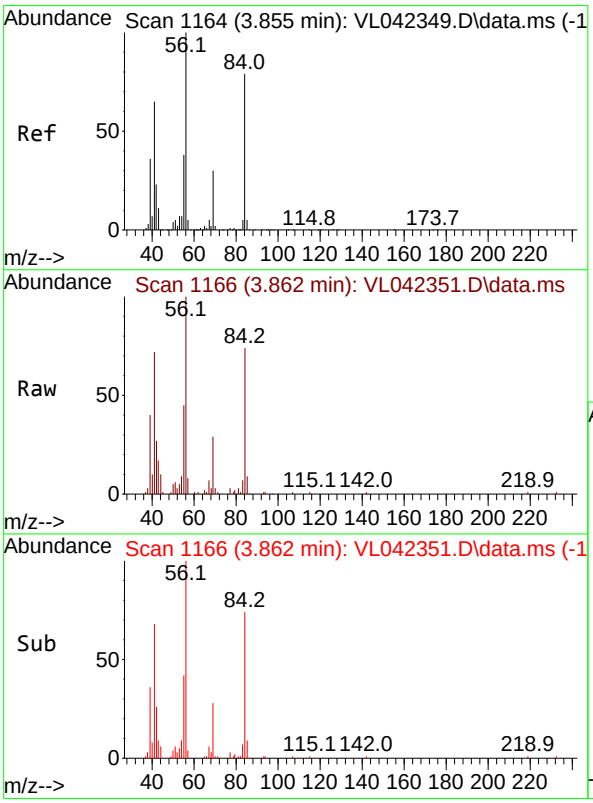
#29
Chloroform
Concen: 1.011 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 28973

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.0	75.0

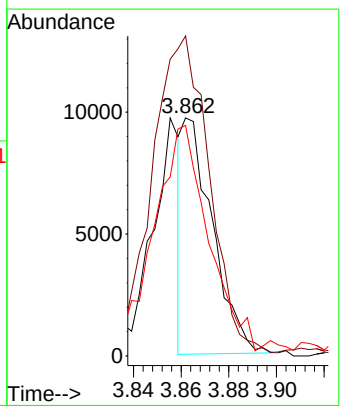


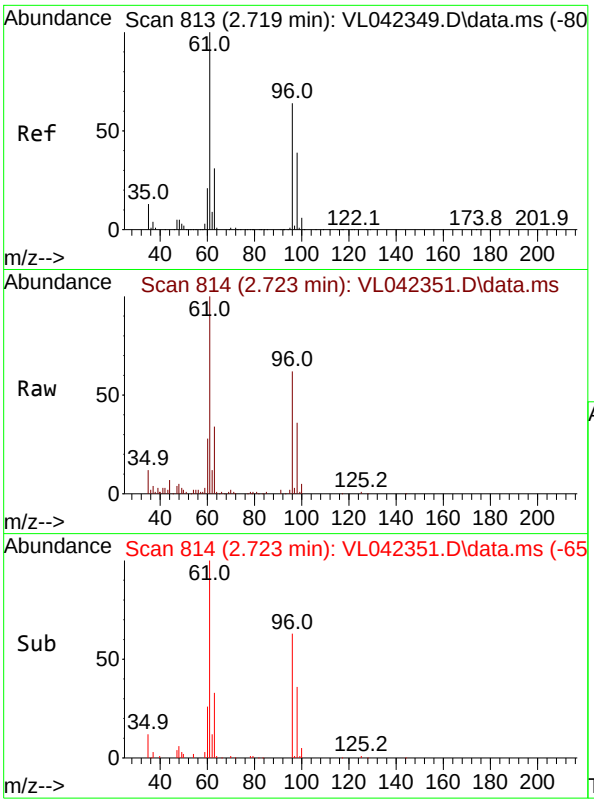


#30
Cyclohexane
Concen: 0.516 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 84 Resp: 8430

Ion	Ratio	Lower	Upper
84	100		
56	263.5	101.0	151.4#
41	167.0	67.4	101.0#



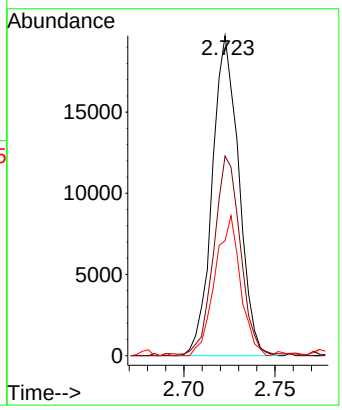


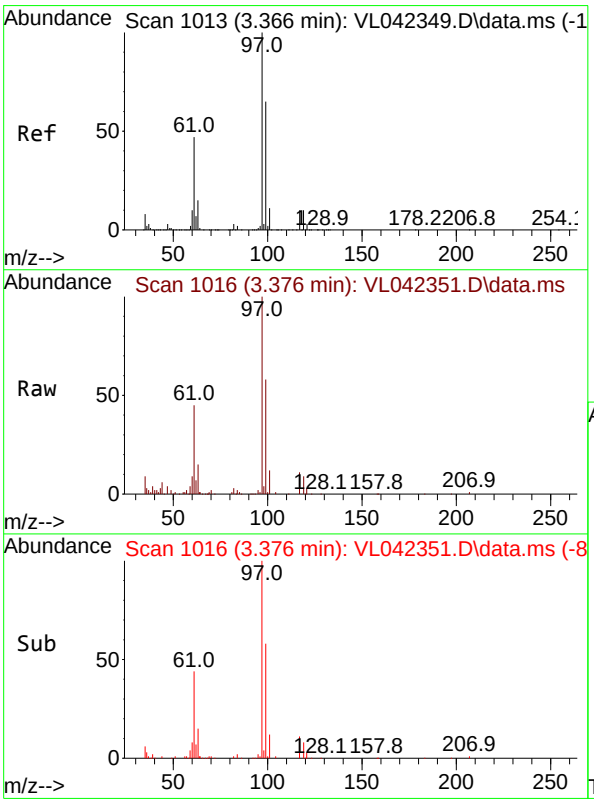
#31
cis-1,2-Dichloroethene
Concen: 1.032 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 19904

Ion	Ratio	Lower	Upper
61	100		
96	61.9	50.8	76.2
98	35.9	30.9	46.3

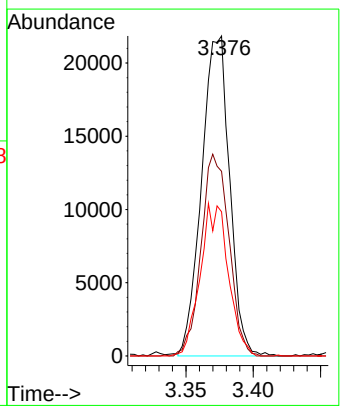


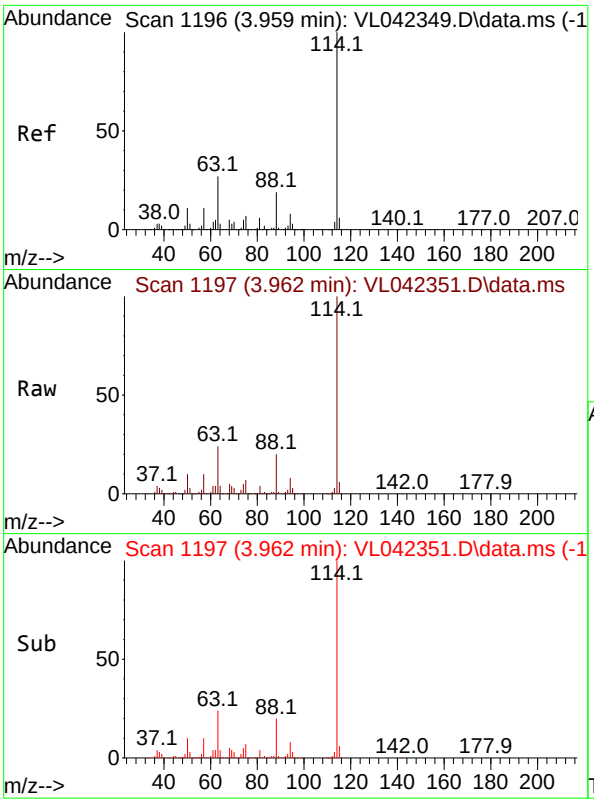


#32
1,1,1-Trichloroethane
Concen: 1.030 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 97 Resp: 31653

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.4
61	47.6	38.8	58.2



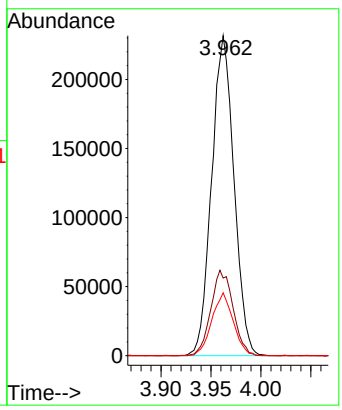


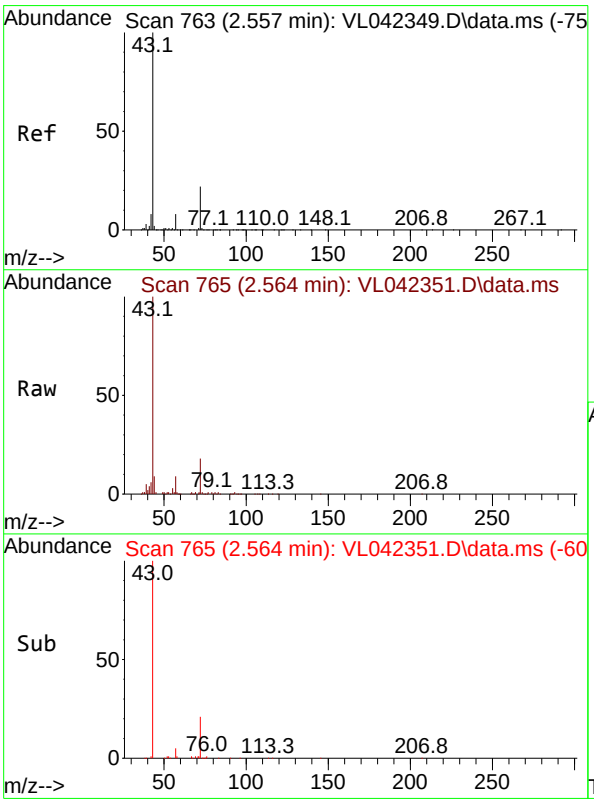
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 359907

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.8	32.6
88	18.8	15.5	23.3

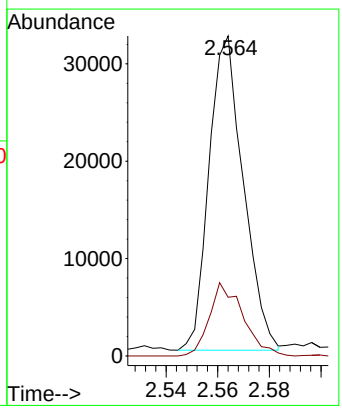


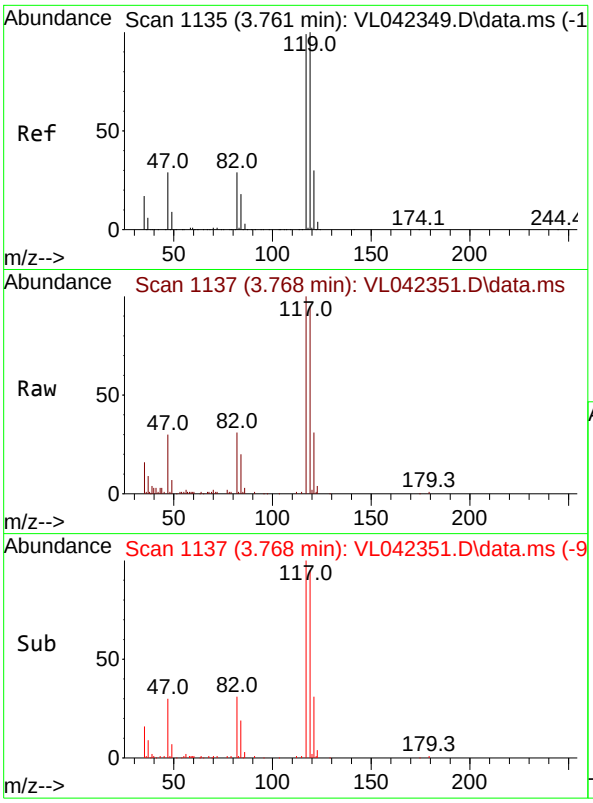


#34
2-Butanone
Concen: 1.045 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 29735

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.2	27.2



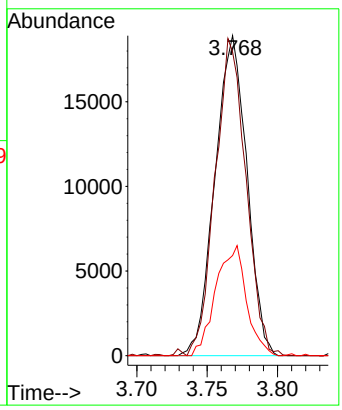


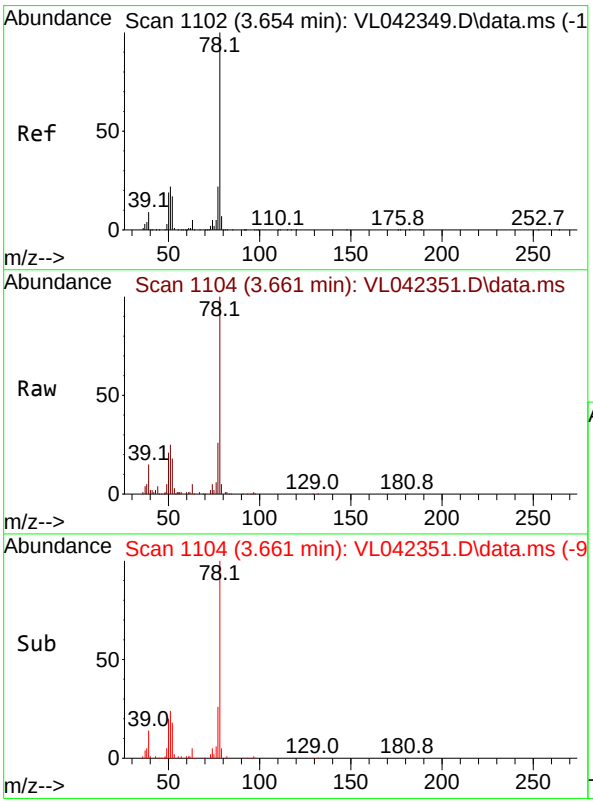
#35
Carbon Tetrachloride
Concen: 0.917 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 29875

Ion	Ratio	Lower	Upper
117	100		
119	93.3	80.5	120.7
121	31.3	24.2	36.2

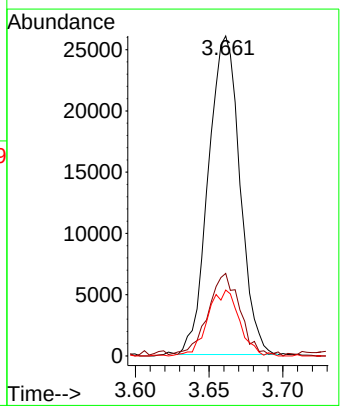


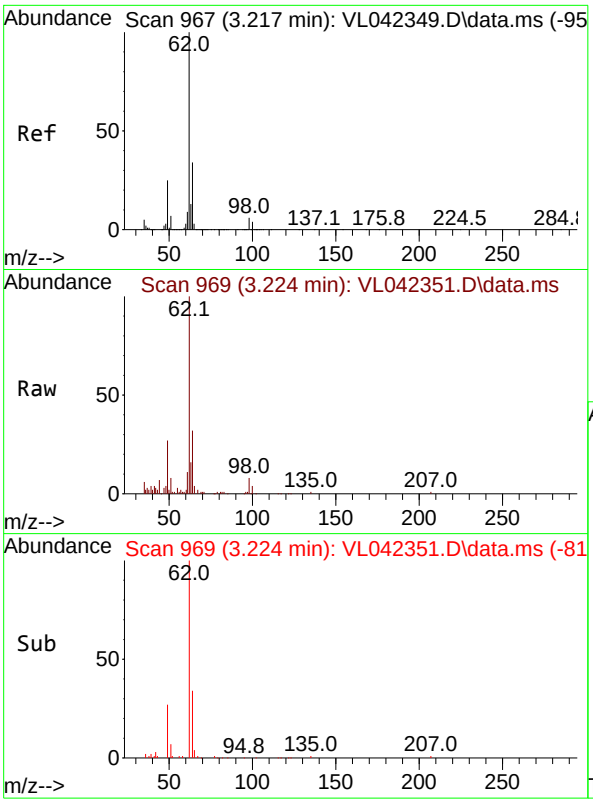


#36
Benzene
Concen: 0.997 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 78 Resp: 38707

Ion	Ratio	Lower	Upper
78	100		
77	24.7	17.4	26.0
50	20.7	15.5	23.3



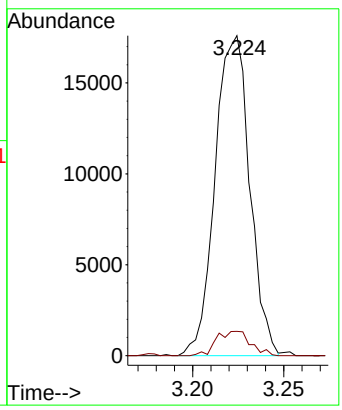


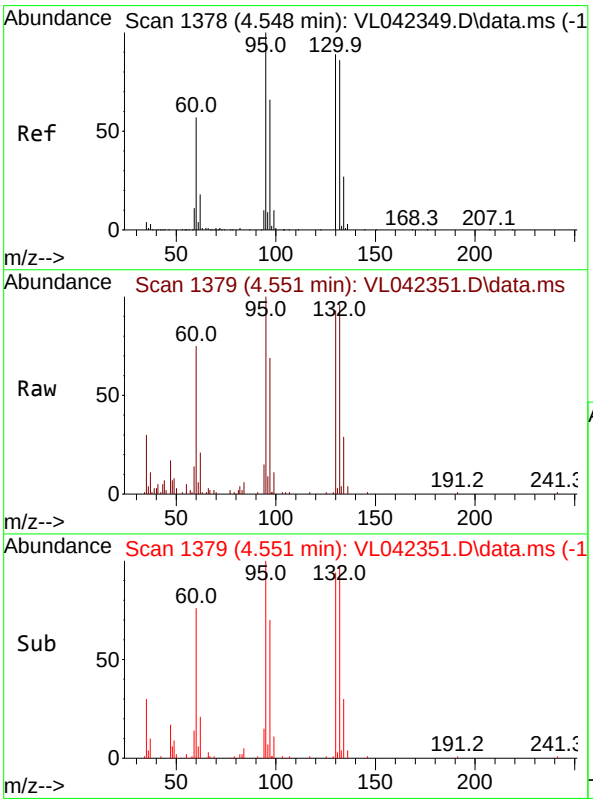
#37
1,2-Dichloroethane
Concen: 0.999 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 23284

Ion	Ratio	Lower	Upper
62	100		
98	7.5	5.1	7.7

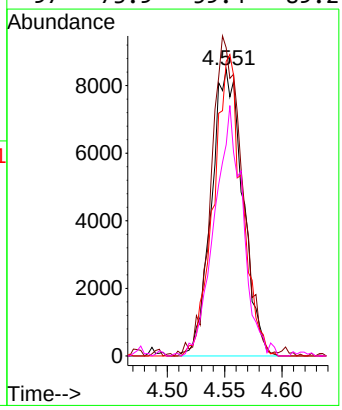


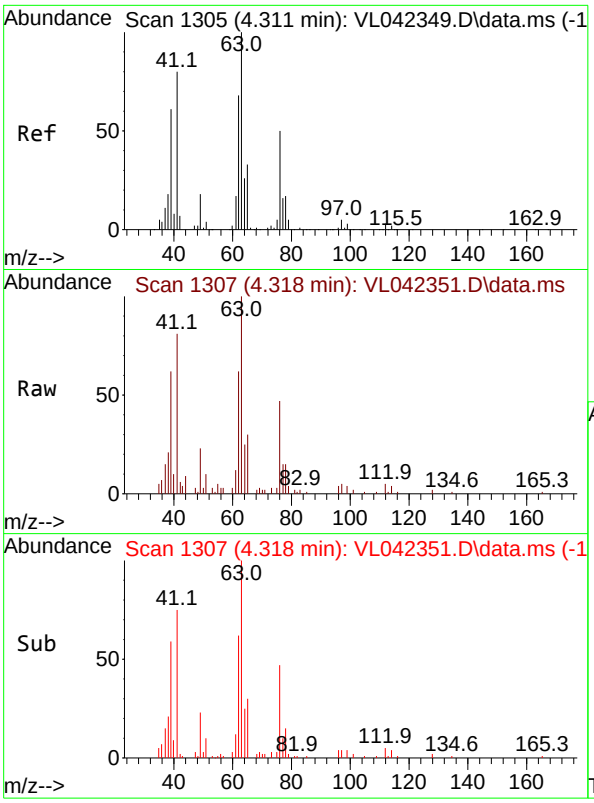


#38
Trichloroethene
Concen: 0.947 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:130 Resp: 16119

Ion	Ratio	Lower	Upper
130	100		
95	106.6	89.8	134.6
132	102.9	77.7	116.5
97	73.9	59.4	89.2



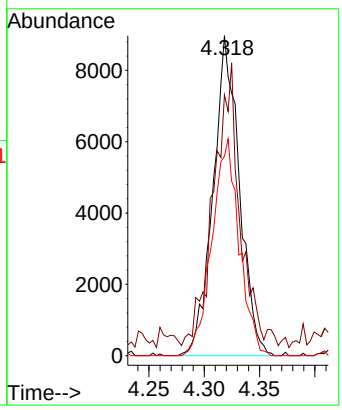


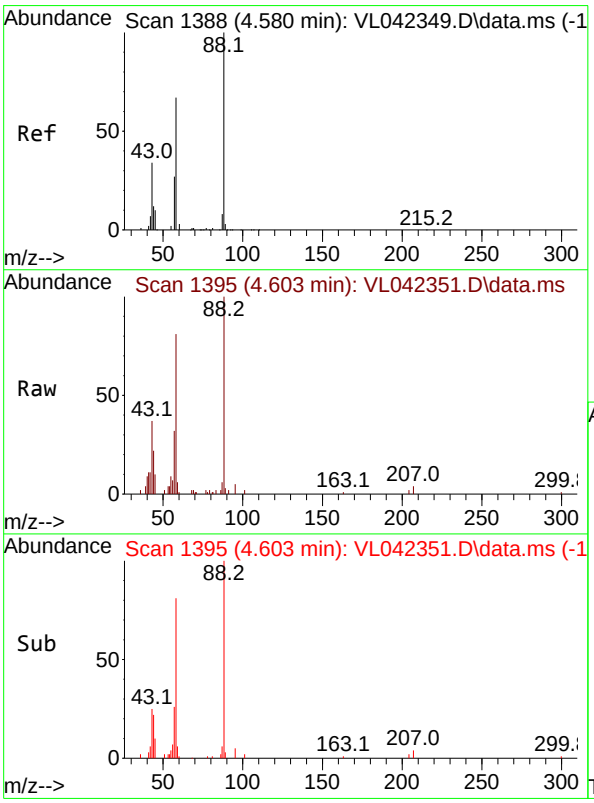
#39
1,2-Dichloropropane
Concen: 1.027 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 14866

Ion	Ratio	Lower	Upper
63	100		
41	78.3	64.2	96.2
62	62.3	54.3	81.5

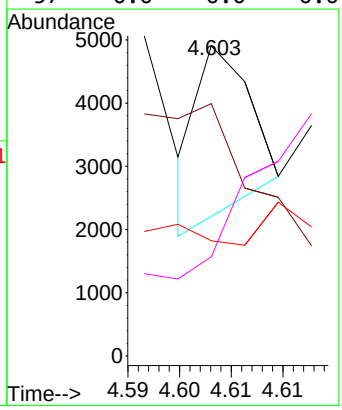


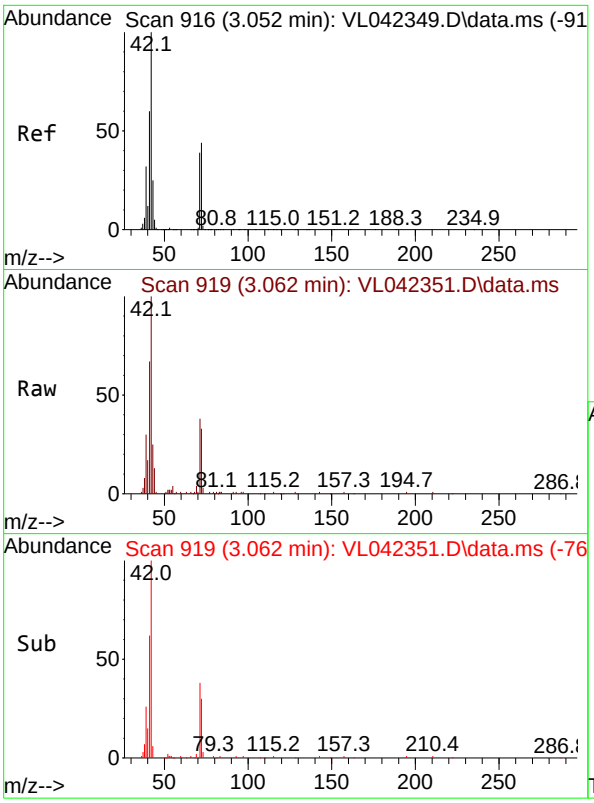


#40
1,4-Dioxane
Concen: 0.123 ppbv
RT: 4.603 min Scan# 1395
Delta R.T. 0.023 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 88 Resp: 967

Ion	Ratio	Lower	Upper
88	100		
58	998.9	61.4	92.0#
43	0.0	23.2	34.8#
57	0.0	0.0	0.0



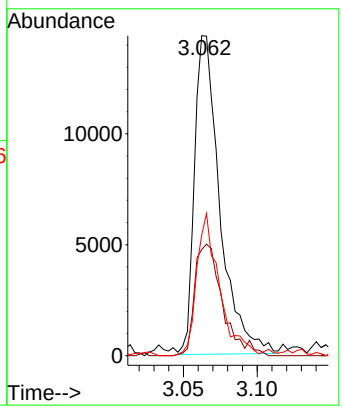


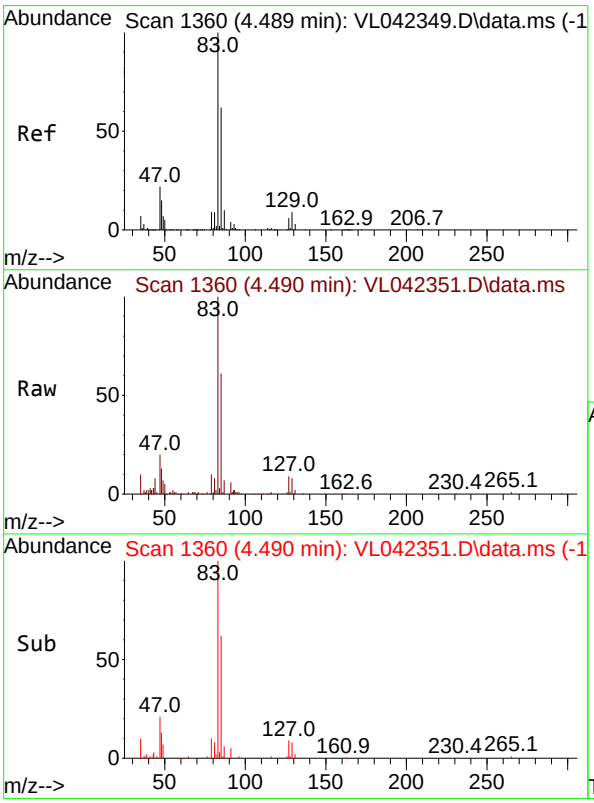
#41
Tetrahydrofuran
Concen: 1.049 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 17259

Ion	Ratio	Lower	Upper
42	100		
72	38.1	32.3	48.5
71	42.3	31.4	47.2

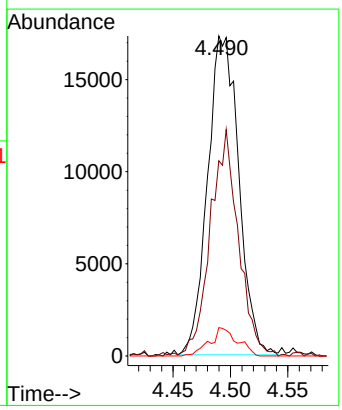


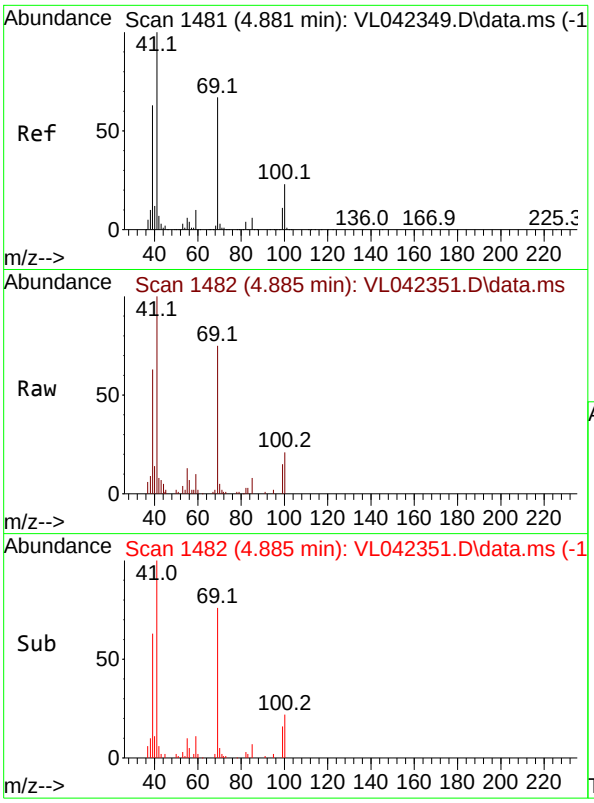


#42
Bromodichloromethane
Concen: 1.009 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 83 Resp: 32721

Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.7	74.5
127	8.9	5.1	7.7#



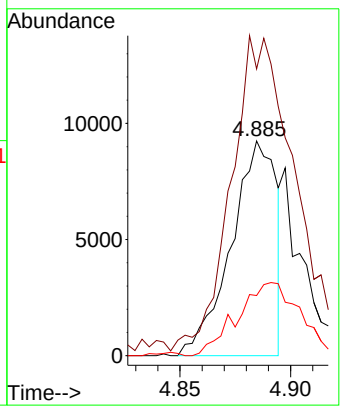


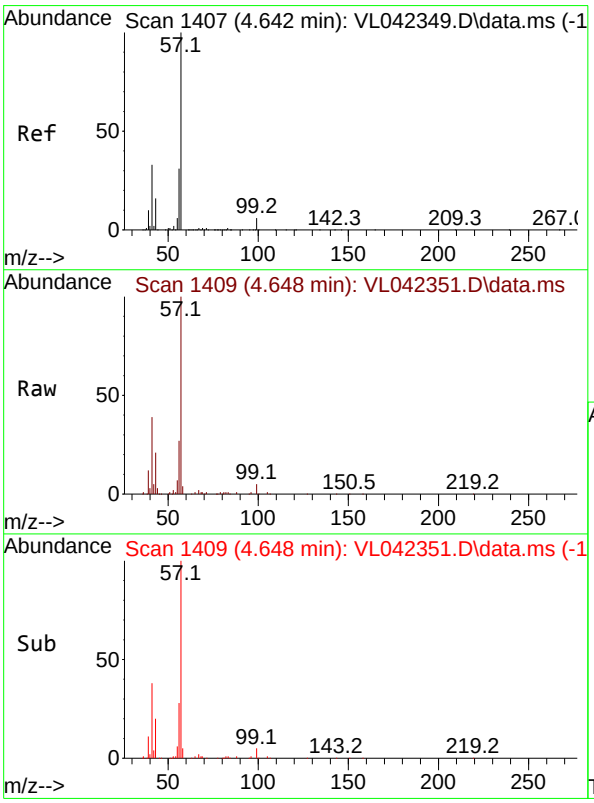
#43
Methyl Methacrylate
Concen: 0.751 ppbv
RT: 4.885 min Scan# 14
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 13084

Ion	Ratio	Lower	Upper
69	100		
41	213.4	118.6	177.8#
100	0.0	28.2	42.2#

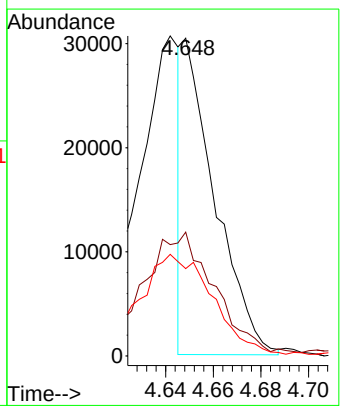


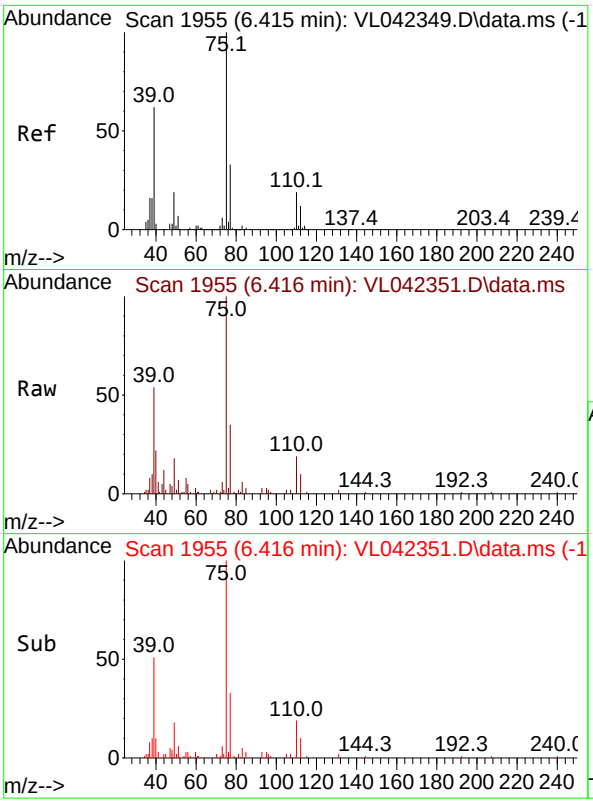


#44
2,2,4-Trimethylpentane
Concen: 0.427 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 28653

Ion	Ratio	Lower	Upper
57	100		
41	91.3	27.2	40.8#
56	0.0	25.7	38.5#



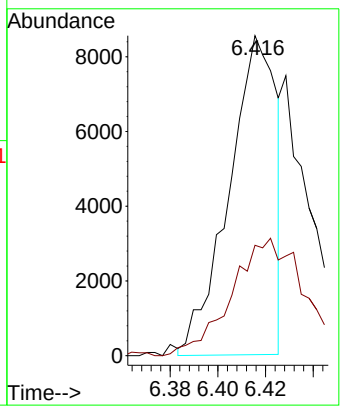


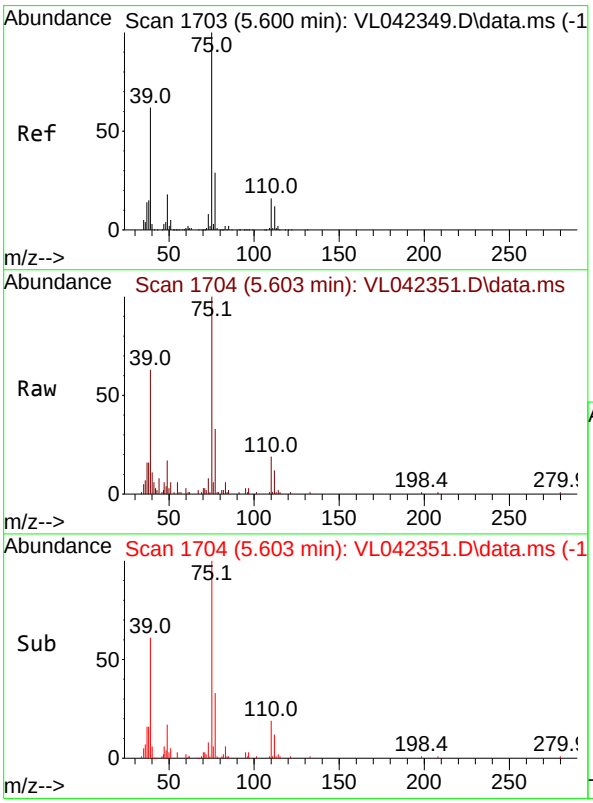
#45
t-1,3-Dichloropropene
Concen: 0.658 ppbv
RT: 6.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 11763

Ion	Ratio	Lower	Upper
75	100		
77	34.5	27.0	40.6

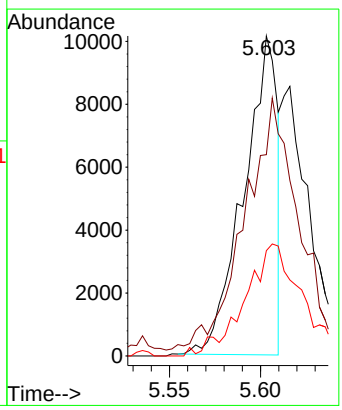


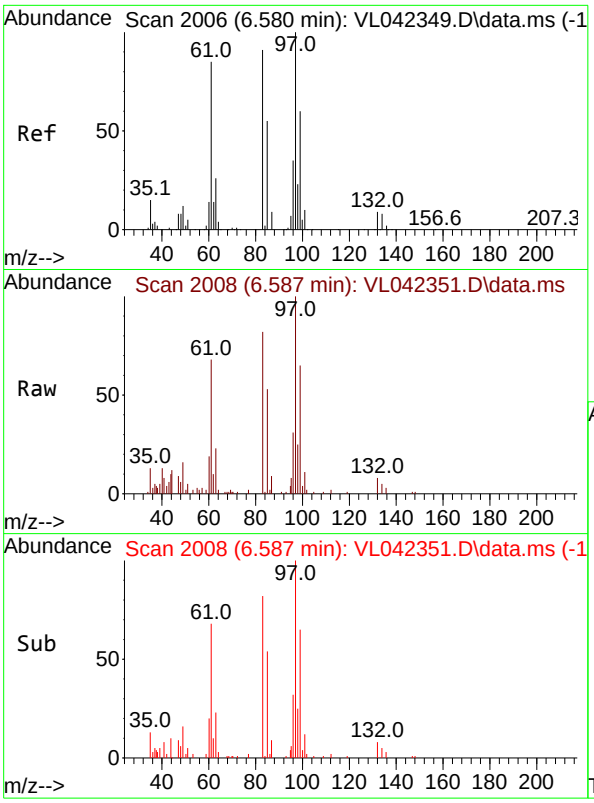


#46
cis-1,3-Dichloropropene
Concen: 0.596 ppbv
RT: 5.603 min Scan# 1704
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 75 Resp: 13028

Ion	Ratio	Lower	Upper
75	100		
39	59.7	50.0	75.0
77	33.1	23.0	34.6



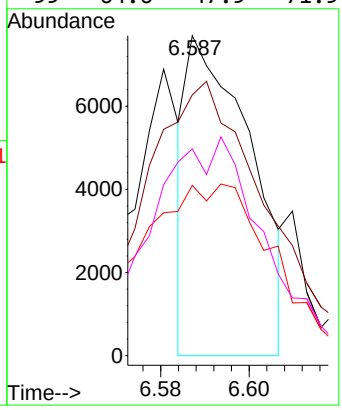


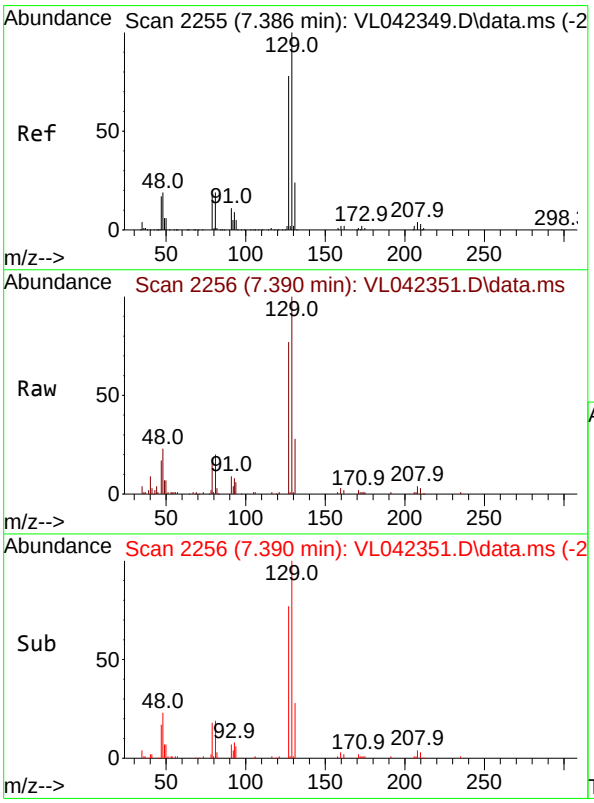
#47
1,1,2-Trichloroethane
Concen: 0.521 ppbv
RT: 6.587 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 7690

Ion	Ratio	Lower	Upper
97	100		
83	67.7	72.8	109.2#
85	31.3	44.2	66.4#
99	64.6	47.9	71.9

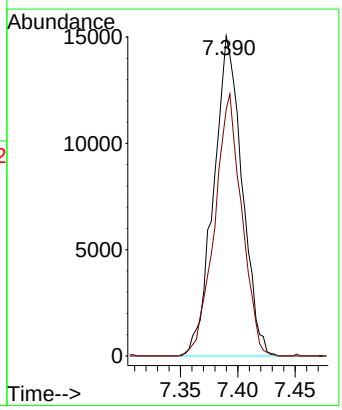


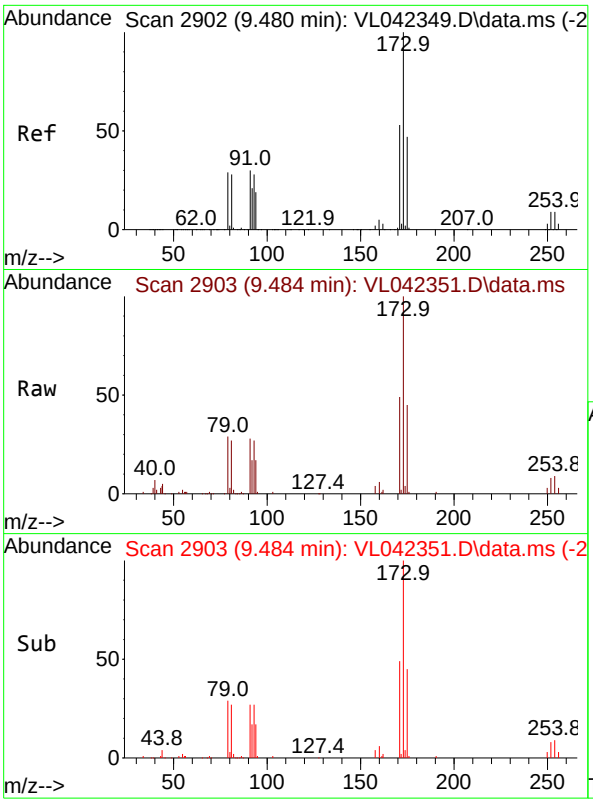


#48
Dibromochloromethane
Concen: 0.997 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:129 Resp: 25948

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3



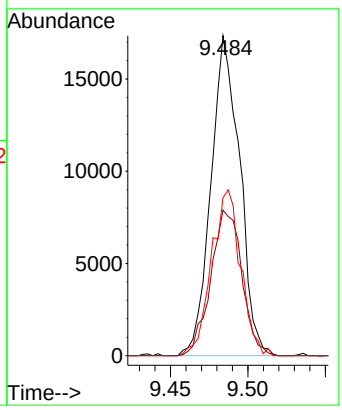


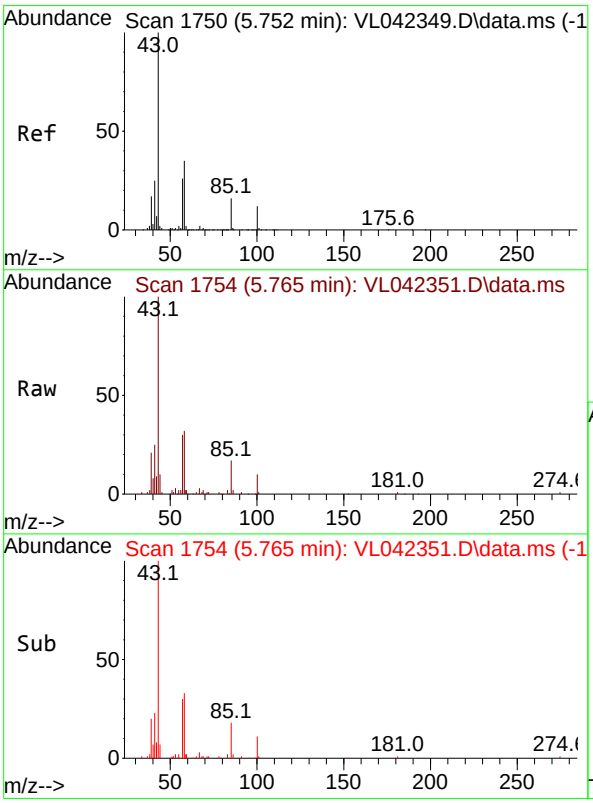
#49
Bromoform
Concen: 0.984 ppbv
RT: 9.484 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 22413

Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.2	57.2
171	52.7	40.9	61.3

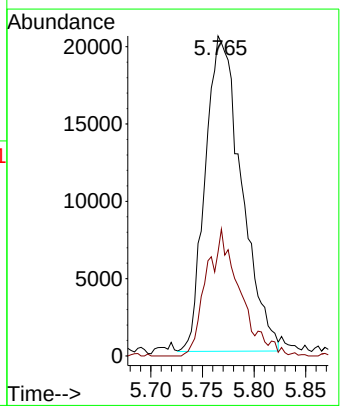


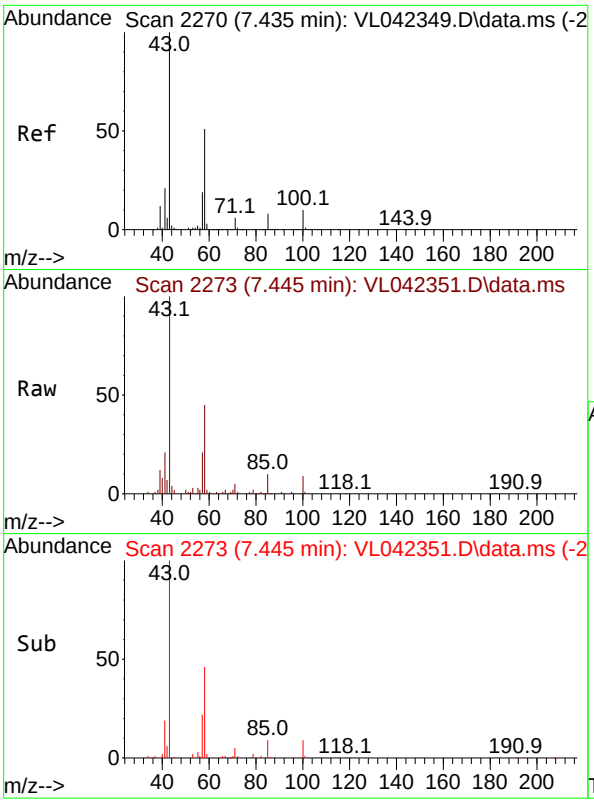


#50
4-Methyl-2-Pentanone
Concen: 1.049 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.013 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 49725

Ion	Ratio	Lower	Upper
43	100		
58	37.7	28.6	43.0



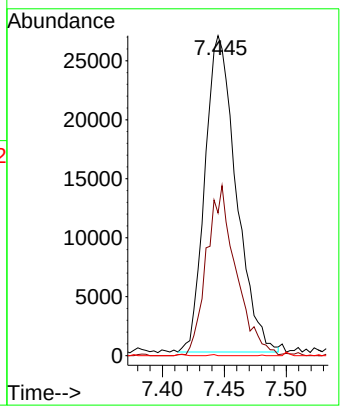


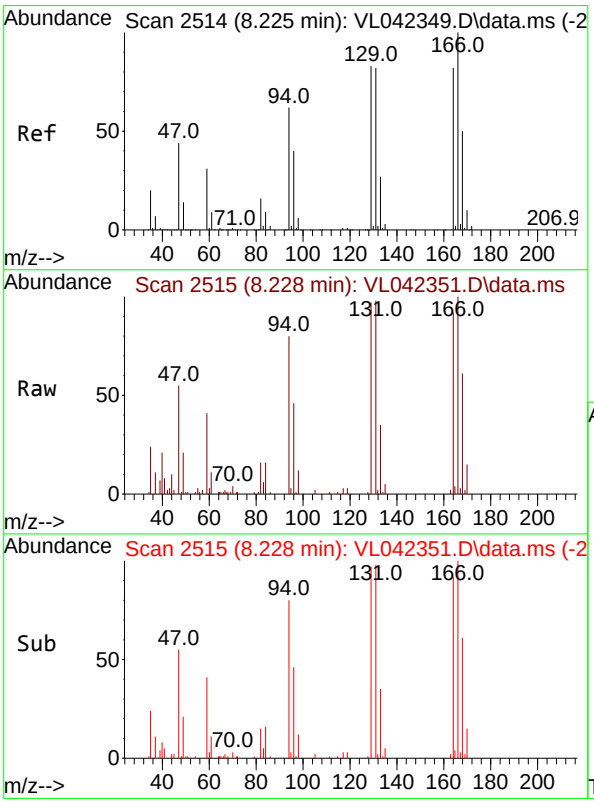
#51
2-Hexanone
Concen: 1.103 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 47178

Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.2	60.4
98	0.1	0.1	0.1

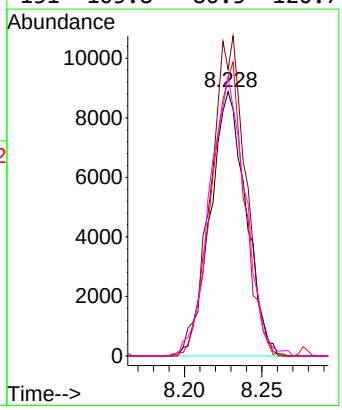


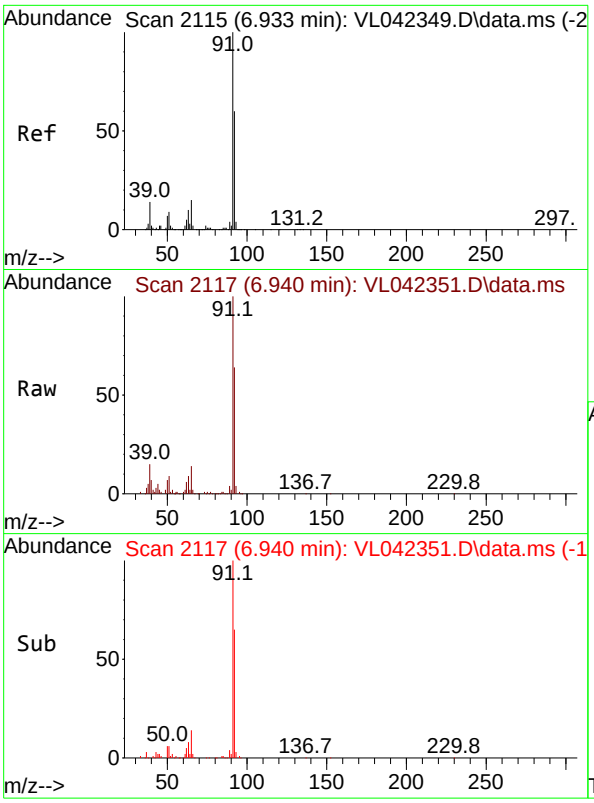


#52
Tetrachloroethene
Concen: 0.943 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:164 Resp: 14154

Ion	Ratio	Lower	Upper
164	100		
166	107.7	98.2	147.2
129	104.2	81.8	122.8
131	105.8	80.5	120.7



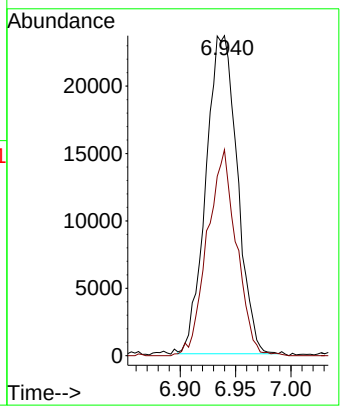


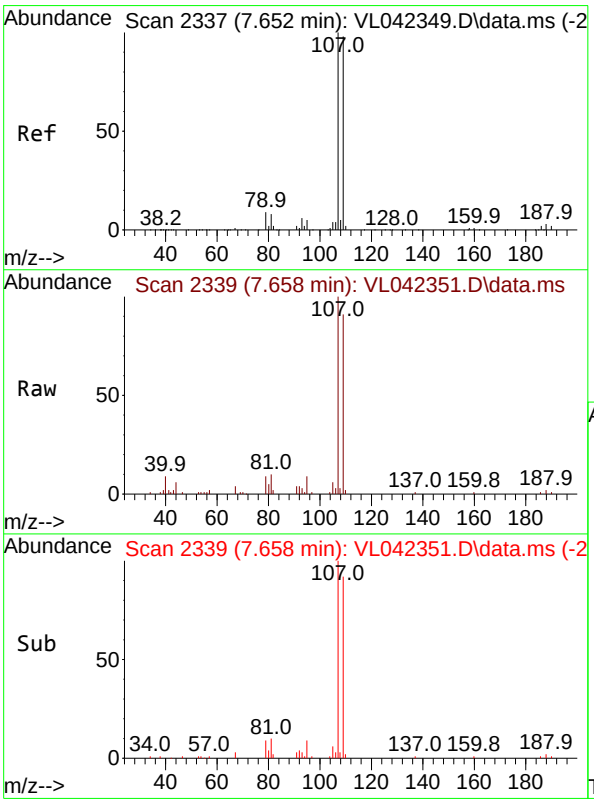
#53
Toluene
Concen: 1.001 ppbv
RT: 6.940 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 46611

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.4

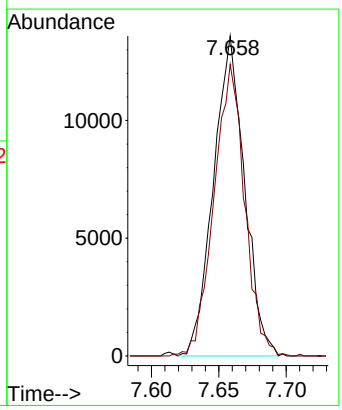


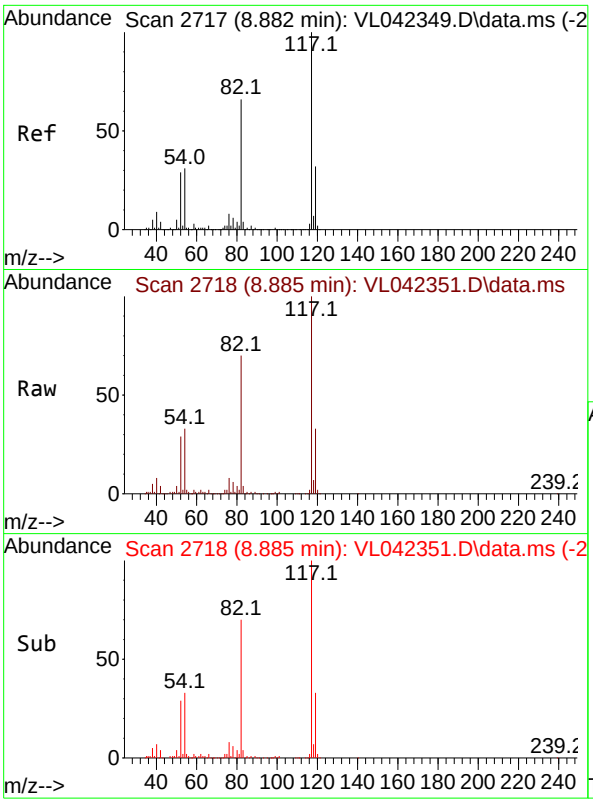


#54
1,2-Dibromoethane
Concen: 1.036 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:107 Resp: 21780

Ion	Ratio	Lower	Upper
107	100		
109	90.7	78.2	117.4



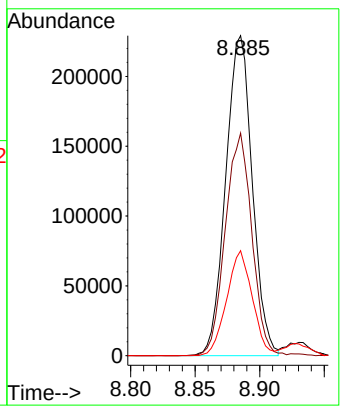


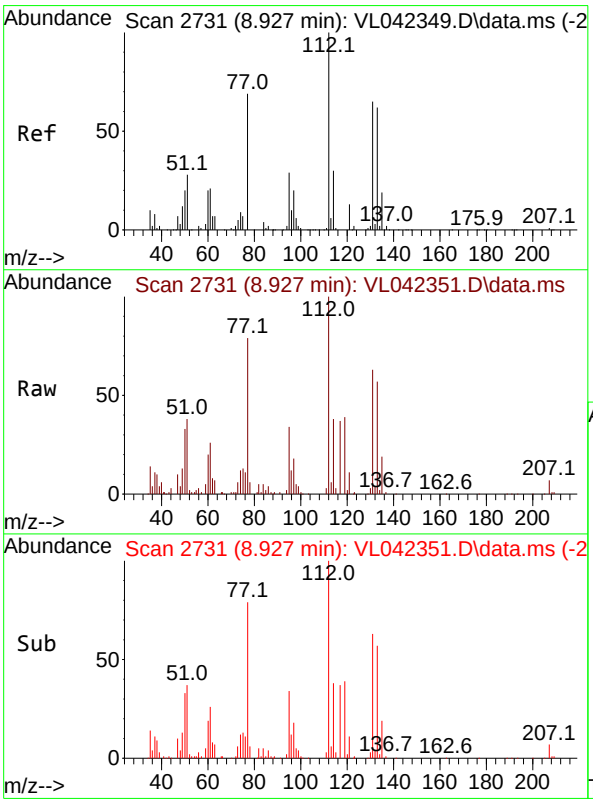
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 329090

Ion	Ratio	Lower	Upper
117	100		
82	69.7	57.8	86.6
119	31.8	25.2	37.8

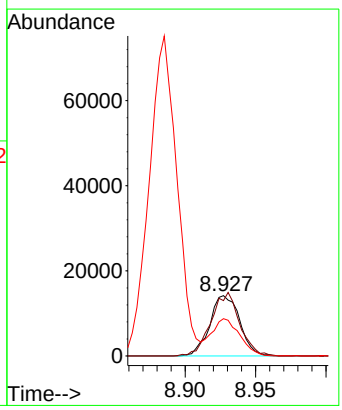


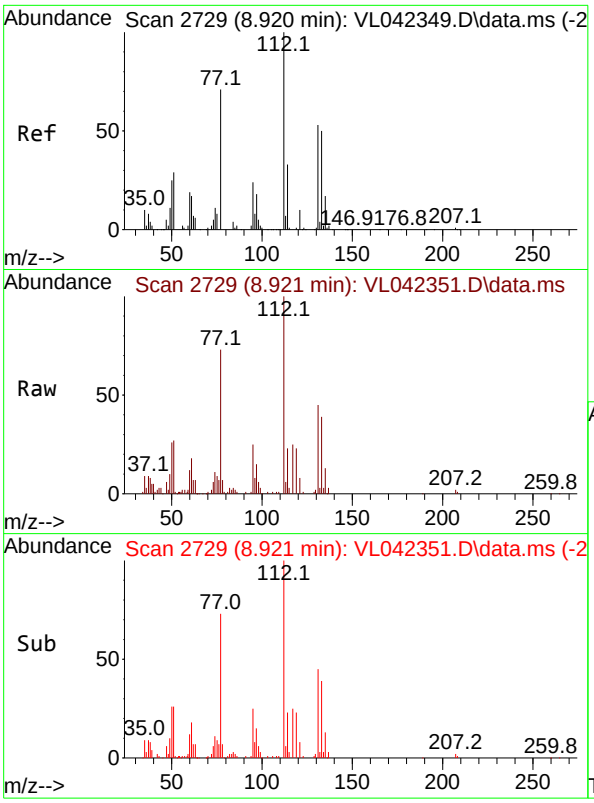


#56
1,1,1,2-Tetrachloroethane
Concen: 1.057 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:131 Resp: 21052

Ion	Ratio	Lower	Upper
131	100		
133	100.5	78.3	117.5
119	55.1	48.7	73.1



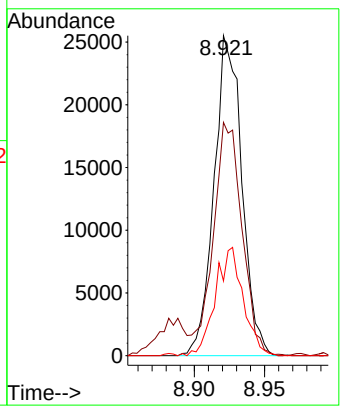


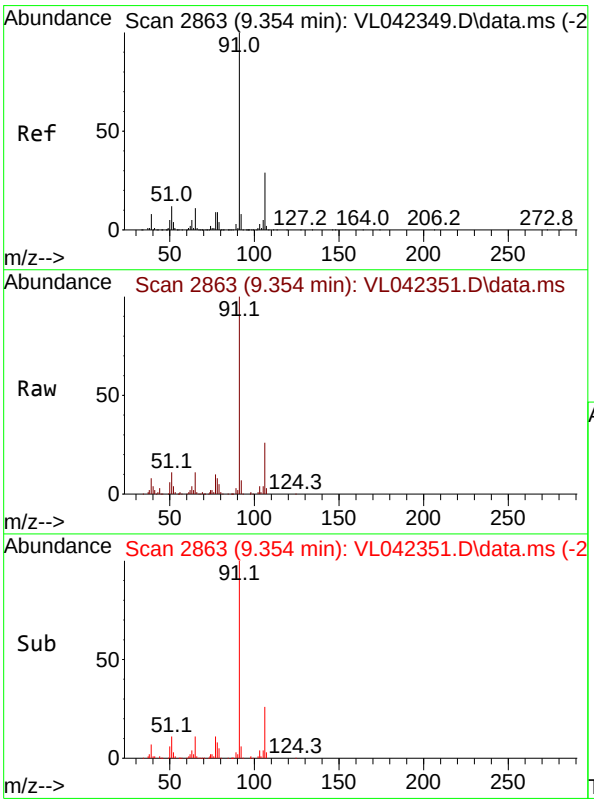
#57
Chlorobenzene
Concen: 1.026 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 35113

Ion	Ratio	Lower	Upper
112	100		
77	72.4	57.8	86.6
114	23.3	29.3	35.9#

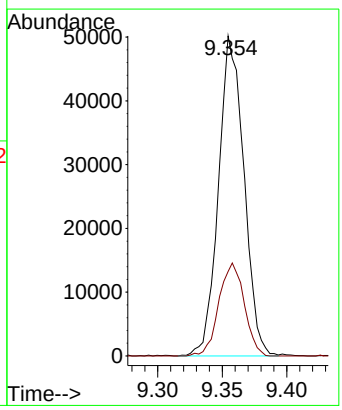


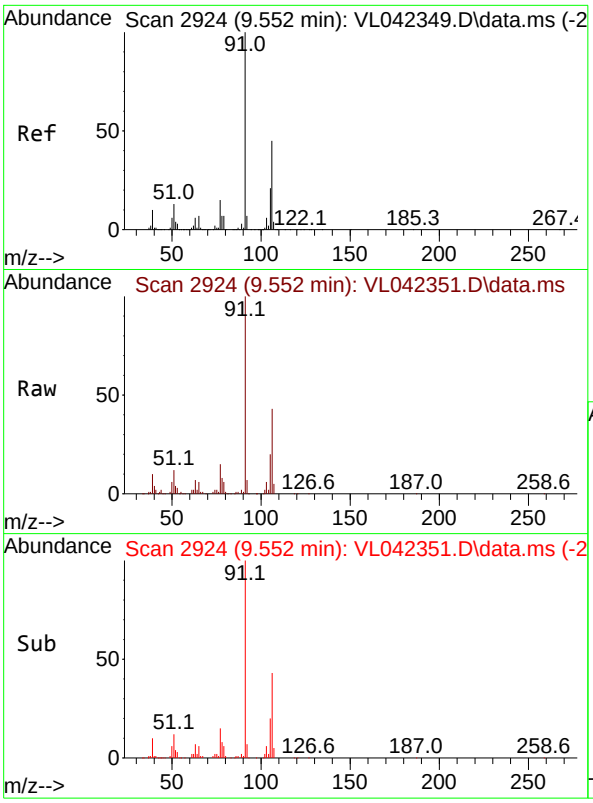


#58
Ethyl Benzene
Concen: 1.054 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 68703

Ion	Ratio	Lower	Upper
91	100		
106	26.5	23.0	34.4



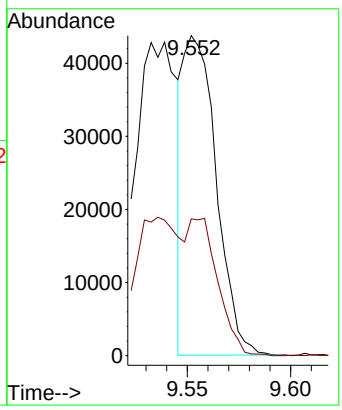


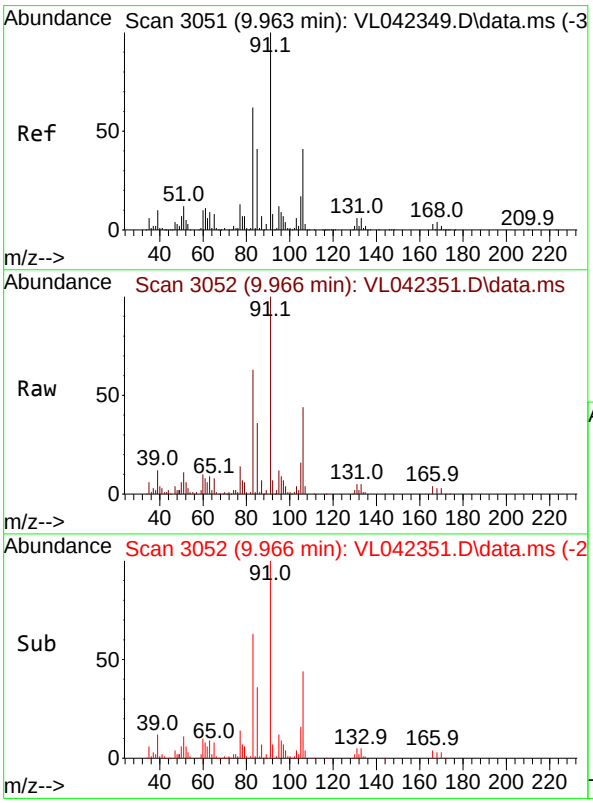
#59
m/p-Xylene
Concen: 0.926 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 48794

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

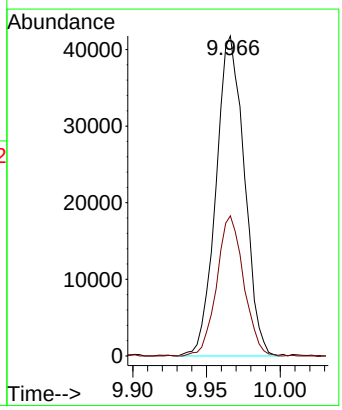


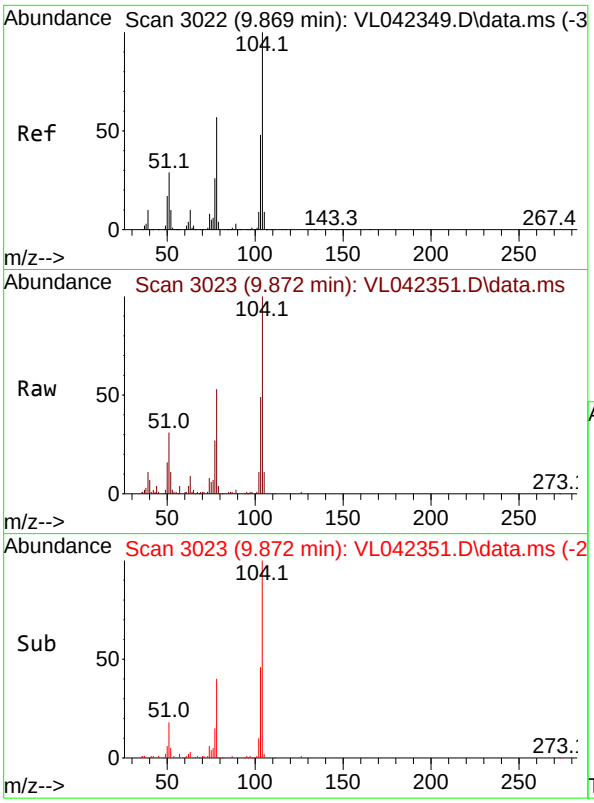


#60
o-Xylene
Concen: 1.056 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 55831

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.1	63.4



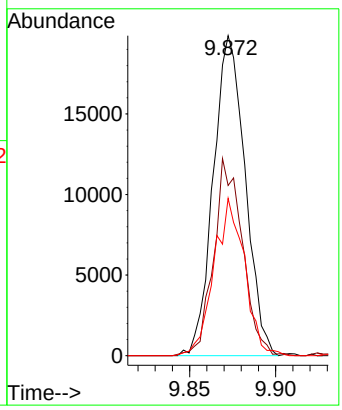


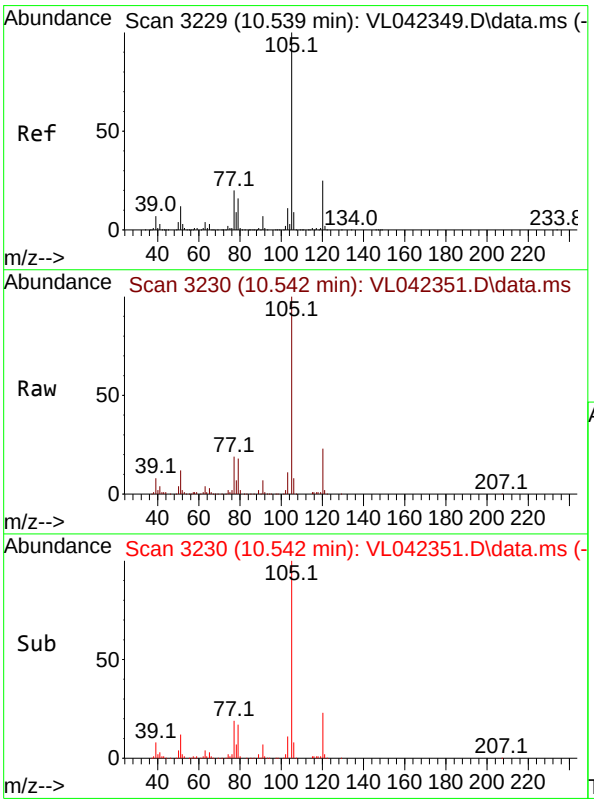
#61
Styrene
Concen: 1.012 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 25544

Ion	Ratio	Lower	Upper
104	100		
78	55.7	44.6	66.8
103	47.2	37.4	56.0

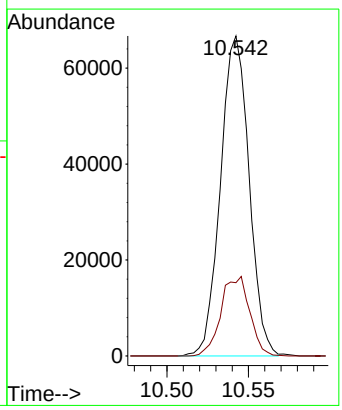


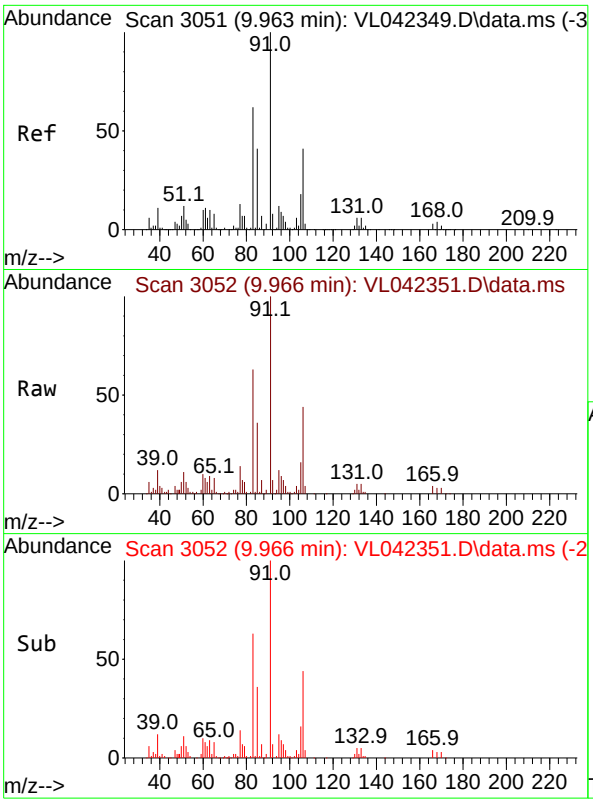


#62
Isopropylbenzene
Concen: 1.047 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 81286

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8



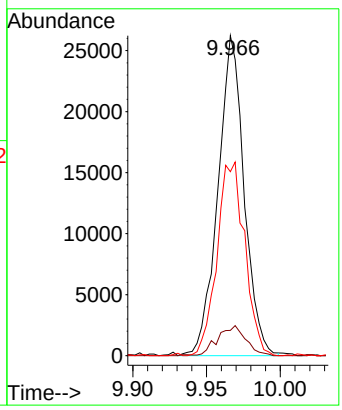


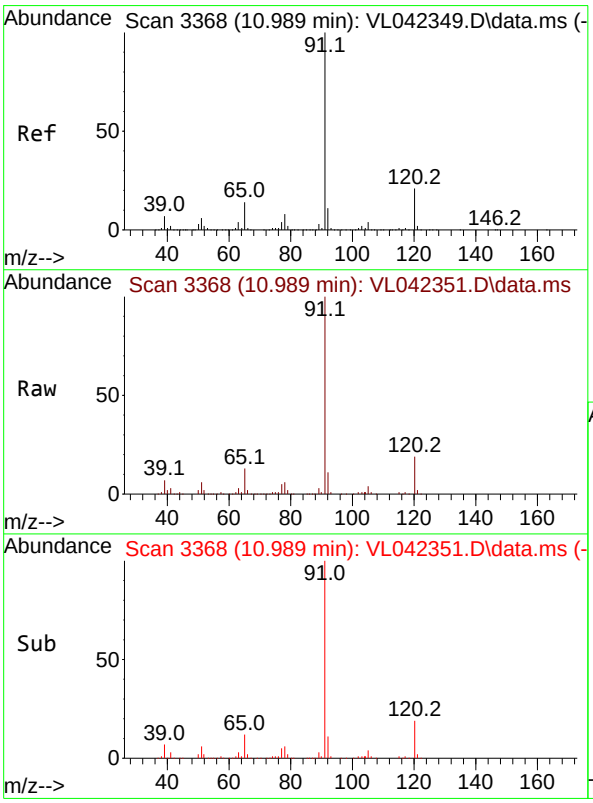
#63
1,1,2,2-Tetrachloroethane
Concen: 0.943 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 32410

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.5	13.7
85	64.4	32.4	97.0

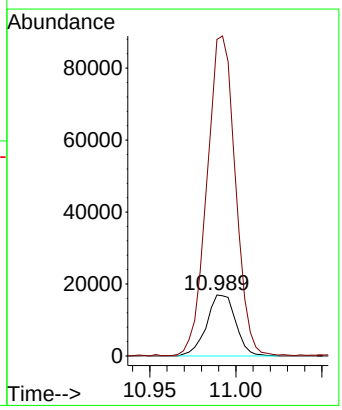


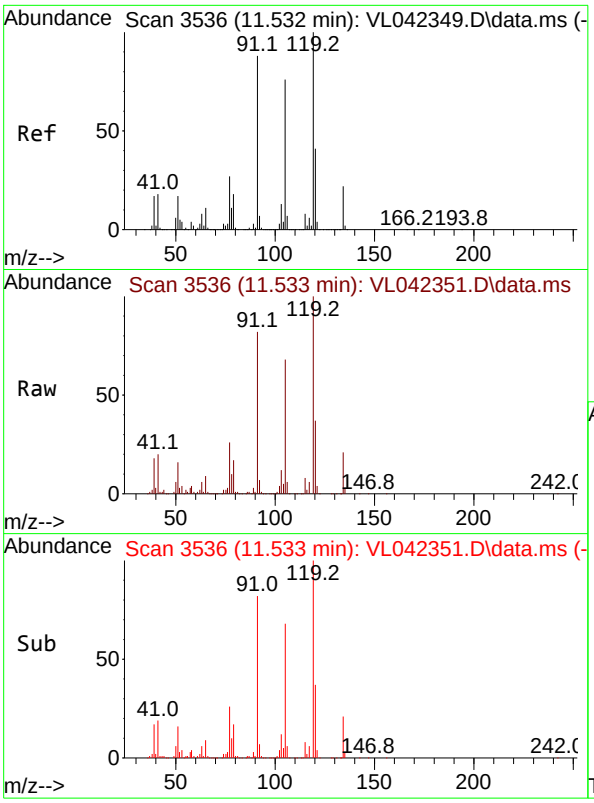


#64
n-propylbenzene
Concen: 1.019 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:120 Resp: 19898

Ion	Ratio	Lower	Upper
120	100		
91	517.6	392.4	588.6



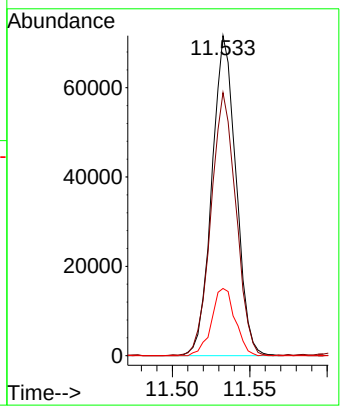


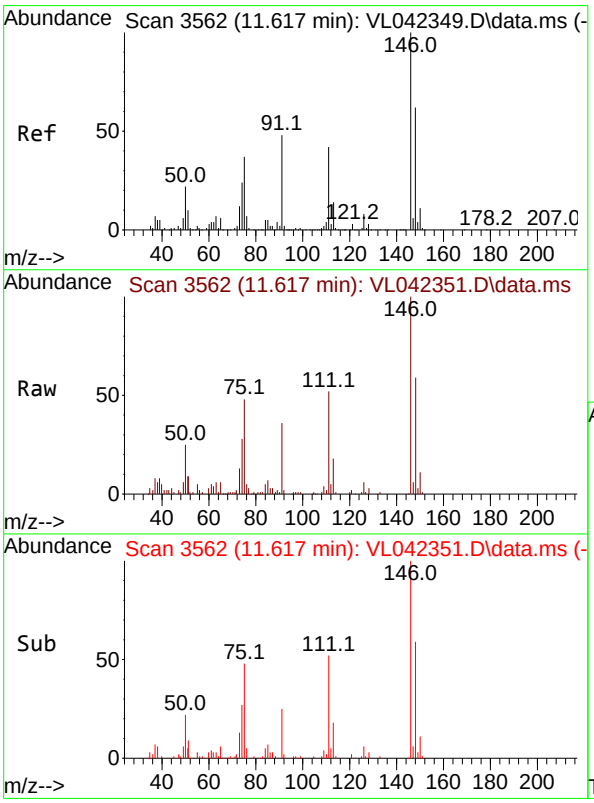
#65
tert-Butylbenzene
Concen: 1.087 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 77598

Ion	Ratio	Lower	Upper
119	100		
91	85.0	74.6	111.8
134	20.5	18.8	28.2

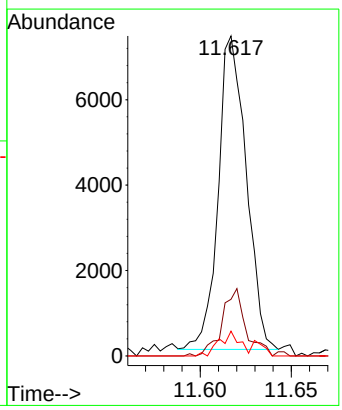


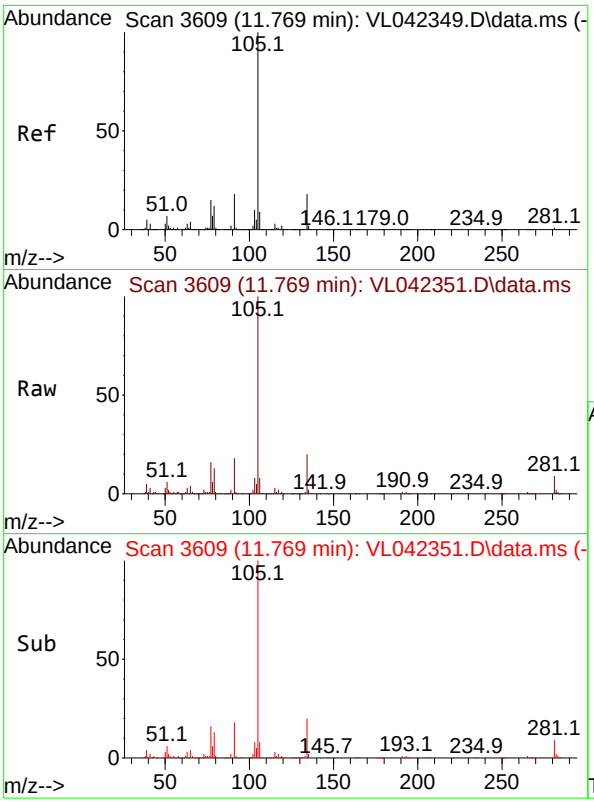


#66
Benzyl Chloride
Concen: 1.003 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 7864

Ion	Ratio	Lower	Upper
91	100		
126	18.6	11.8	17.6#
128	7.7	4.5	6.7#



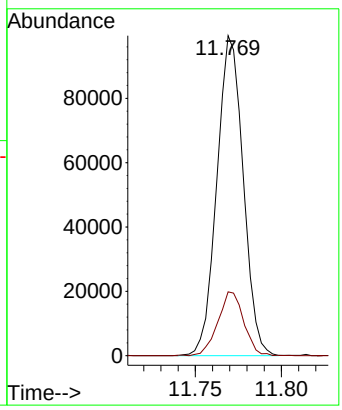


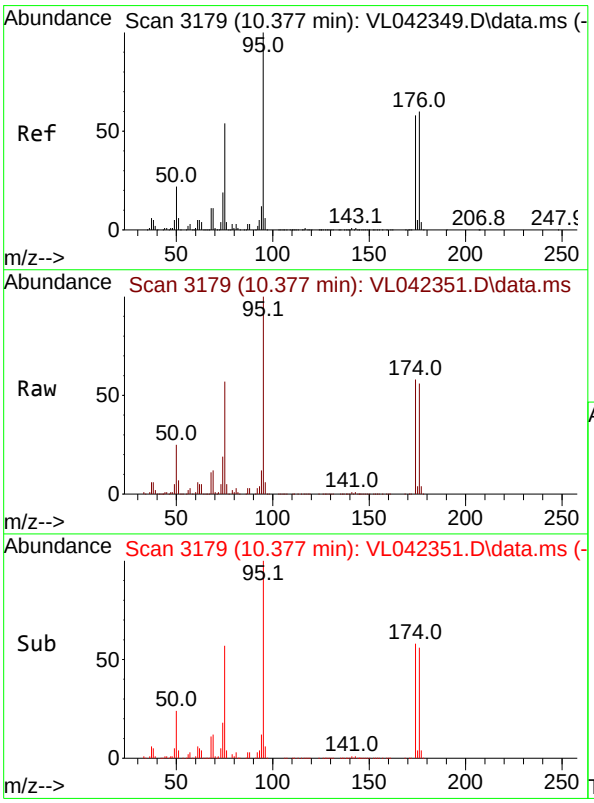
#67
sec-Butylbenzene
Concen: 1.067 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 105919

Ion	Ratio	Lower	Upper
105	100		
134	19.6	14.6	21.8

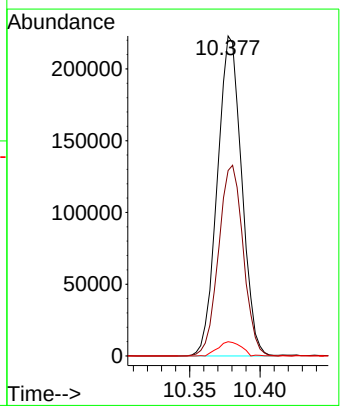


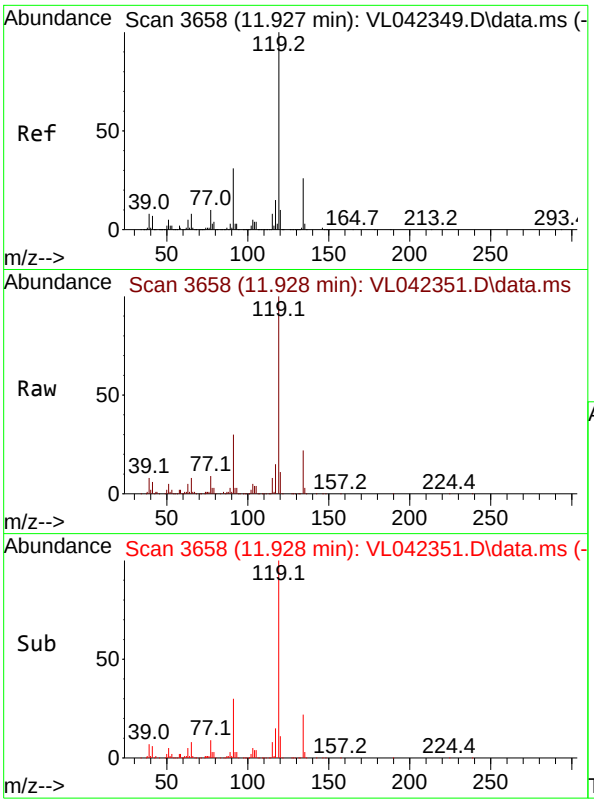


#68
1-Bromo-4-Fluorobenzene
Concen: 9.950 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 95 Resp: 269087

Ion	Ratio	Lower	Upper
95	100		
174	60.4	48.5	72.7
175	4.3	3.7	5.5



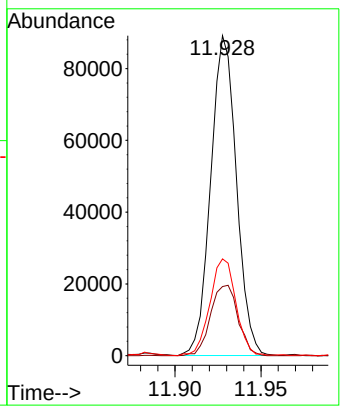


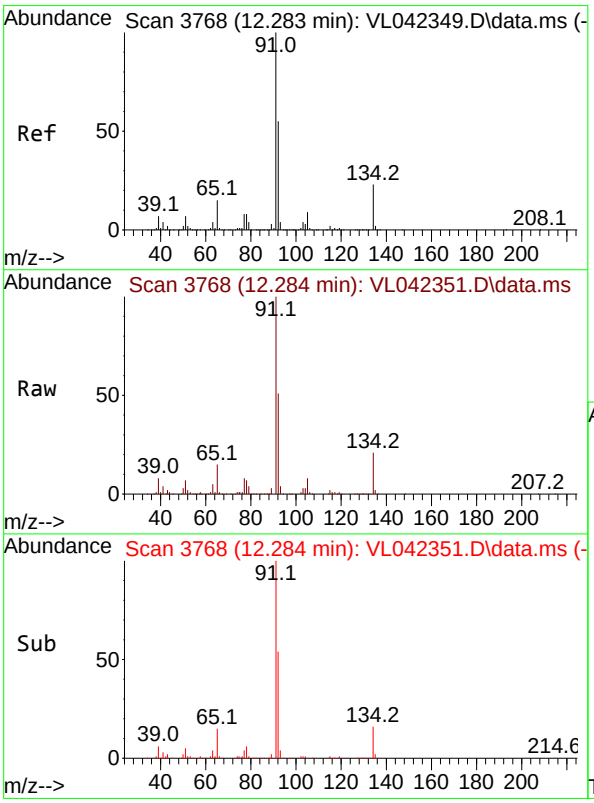
#69
p-Isopropyltoluene
Concen: 1.075 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 92733

Ion	Ratio	Lower	Upper
119	100		
134	23.5	20.0	30.0
91	32.1	24.4	36.6

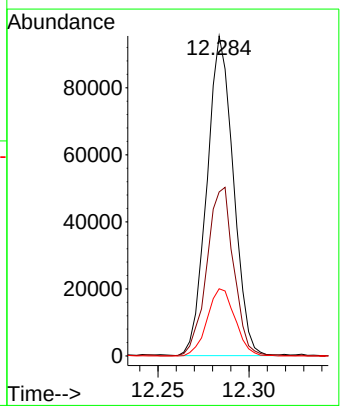


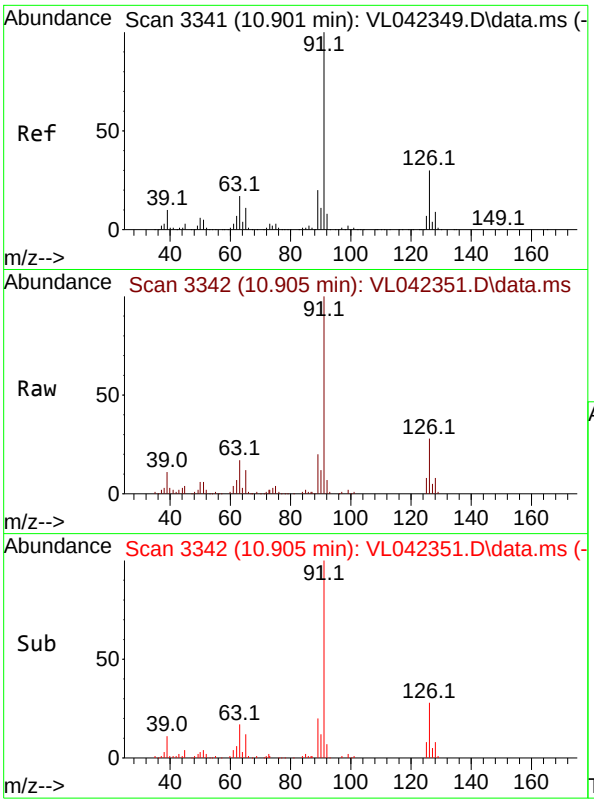


#70
n-Butylbenzene
Concen: 1.072 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 96306

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.2	66.4
134	22.1	18.2	27.4



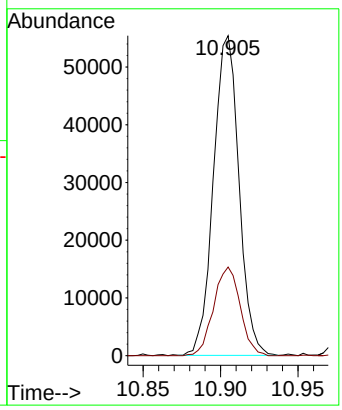


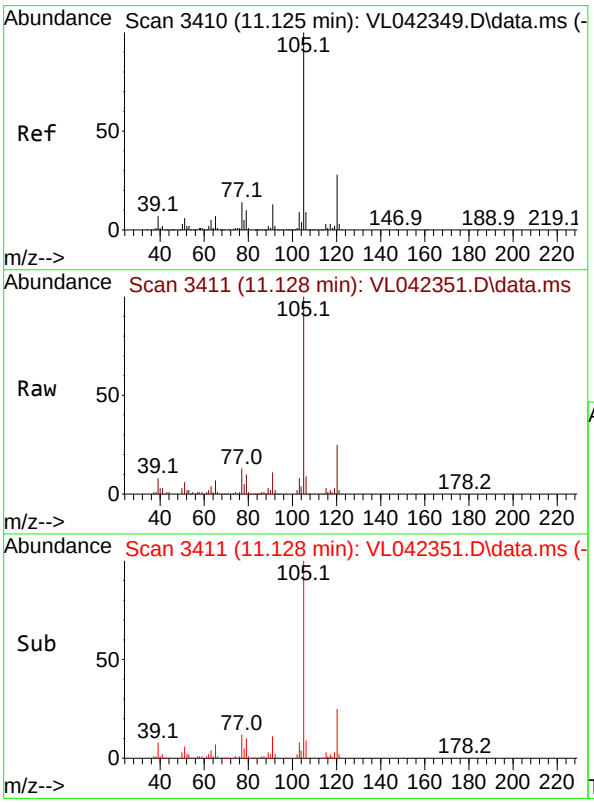
#71
2-Chlorotoluene
Concen: 1.040 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 63321

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.4	45.4

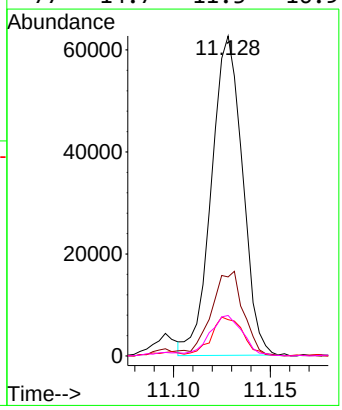


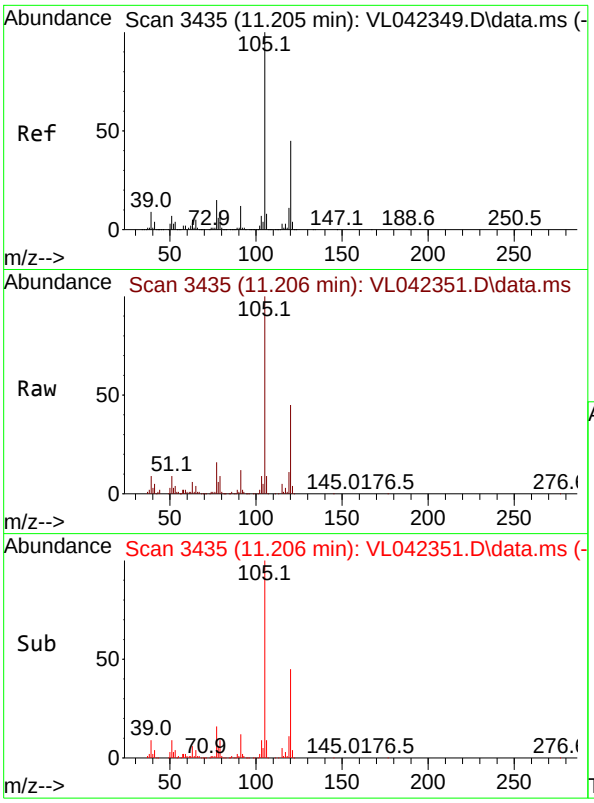


#72
4-Ethyltoluene
Concen: 1.078 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 69698

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.2	34.8
91	13.5	10.4	15.6
77	14.7	11.3	16.9



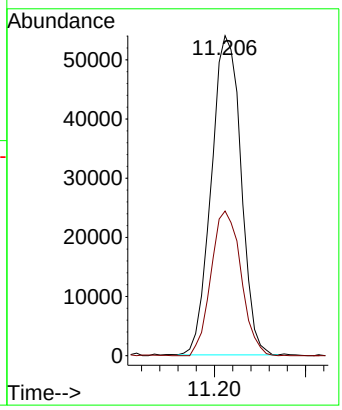


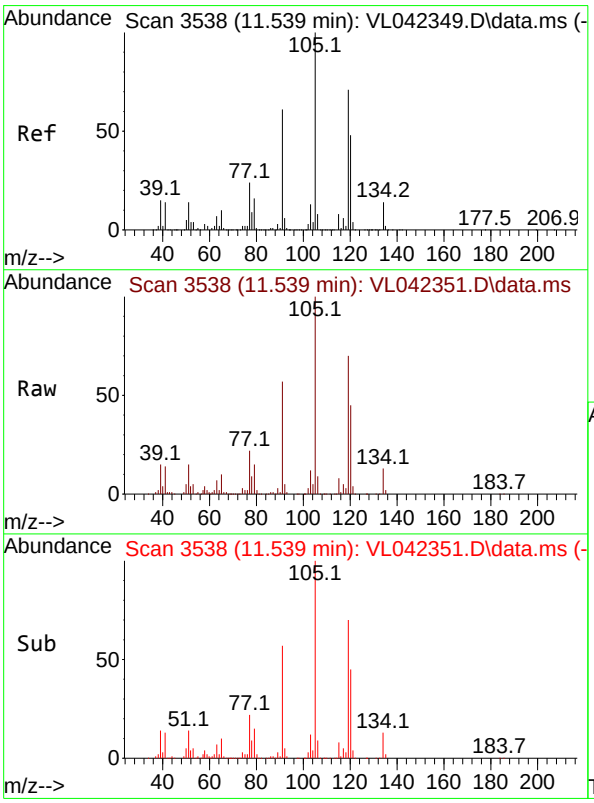
#73
1,3,5-Trimethylbenzene
Concen: 1.067 ppbv
RT: 11.206 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 60927

Ion	Ratio	Lower	Upper
105	100		
120	45.3	35.6	53.4

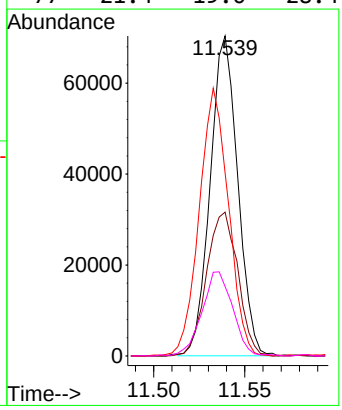


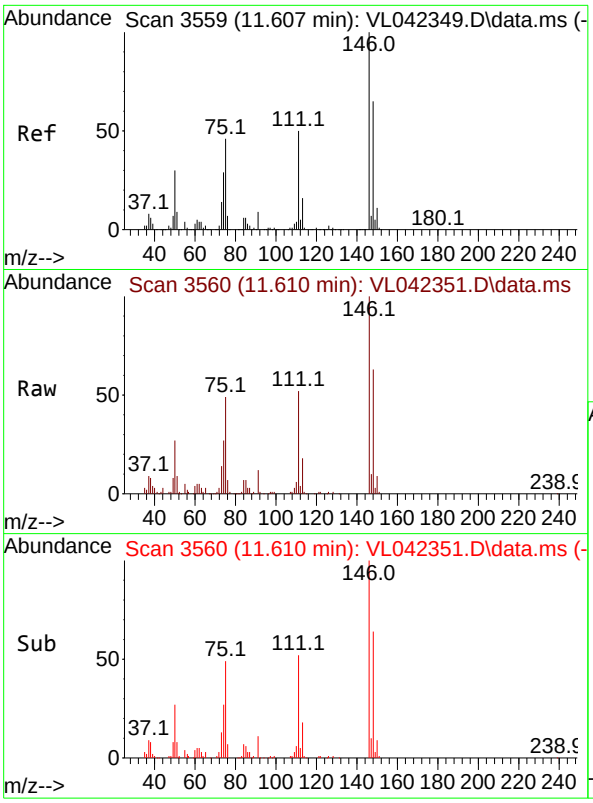


#74
1,2,4-Trimethylbenzene
Concen: 1.108 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 73888

Ion	Ratio	Lower	Upper
105	100		
120	45.0	38.1	57.1
91	57.0	48.8	73.2
77	21.4	19.0	28.4



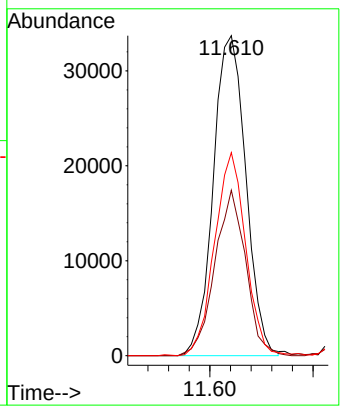


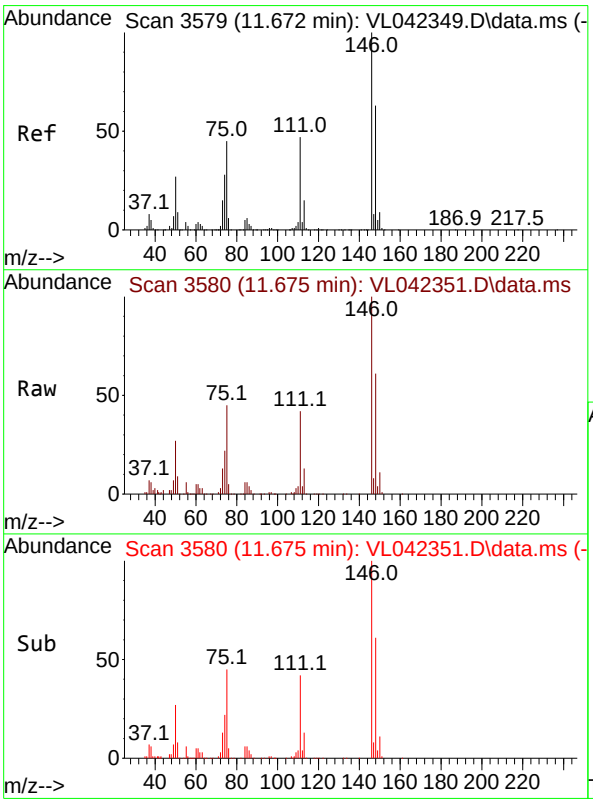
#75
1,3-Dichlorobenzene
Concen: 1.064 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 36877

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.3	72.8
148	60.8	31.6	94.8

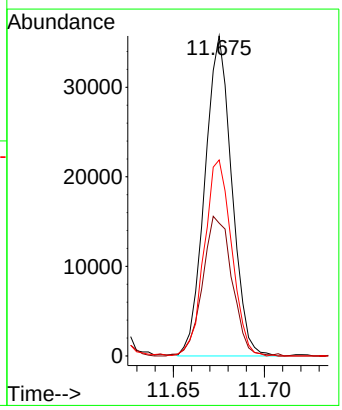


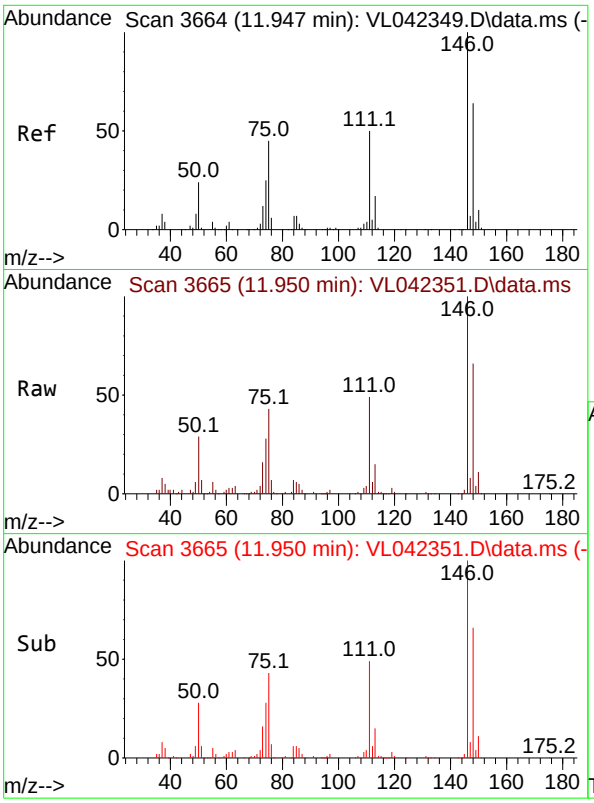


#76
1,4-Dichlorobenzene
Concen: 1.053 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:146 Resp: 36692

Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.2	72.6
148	62.3	32.1	96.5



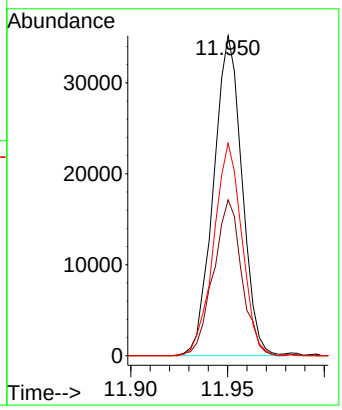


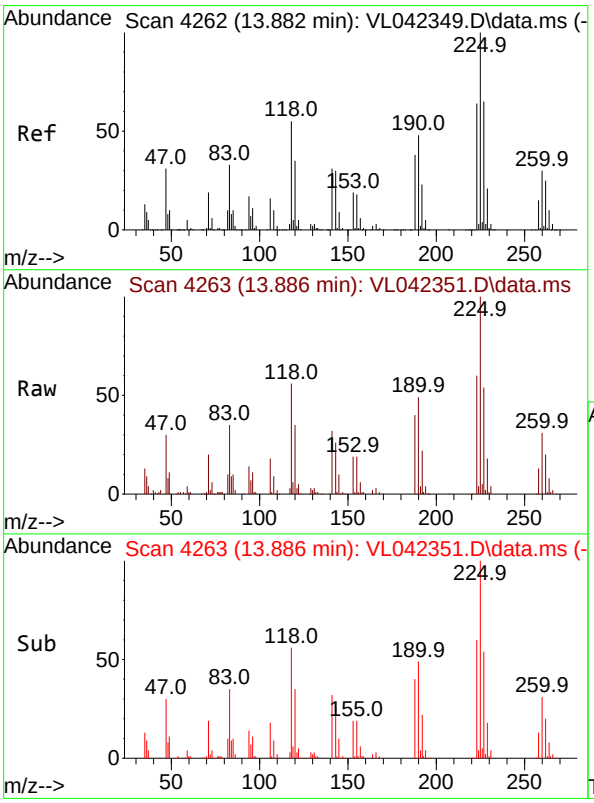
#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 35977

Ion	Ratio	Lower	Upper
146	100		
111	48.7	25.3	75.9
148	65.9	31.5	94.5

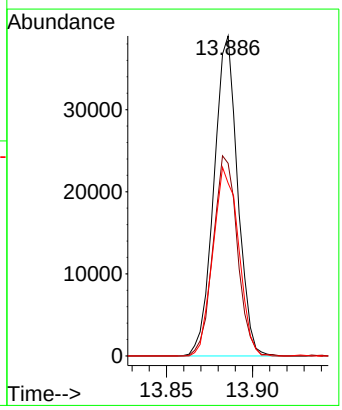


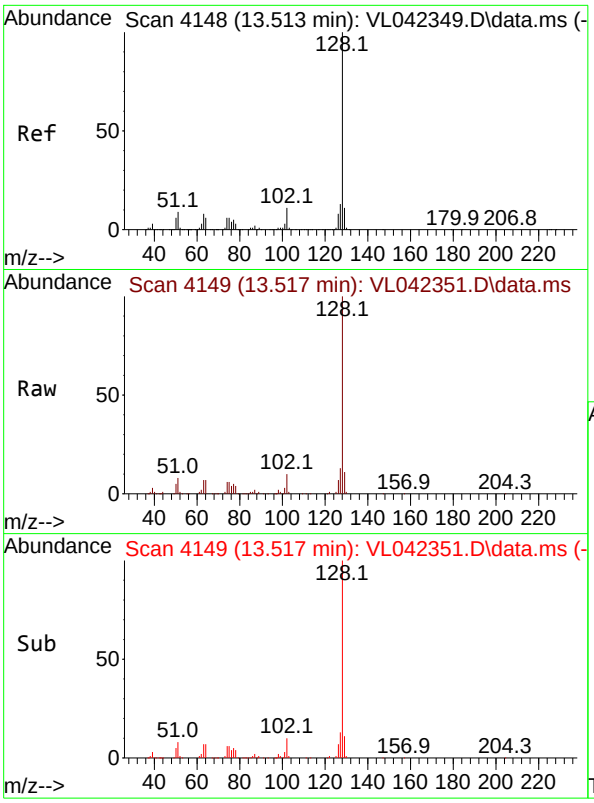


#78
Hexachloro-1,3-Butadiene
Concen: 1.098 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:225 Resp: 37377

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	63.6	51.5	77.3



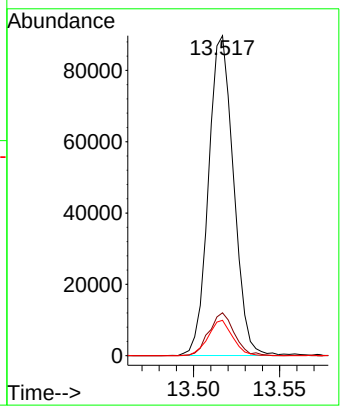


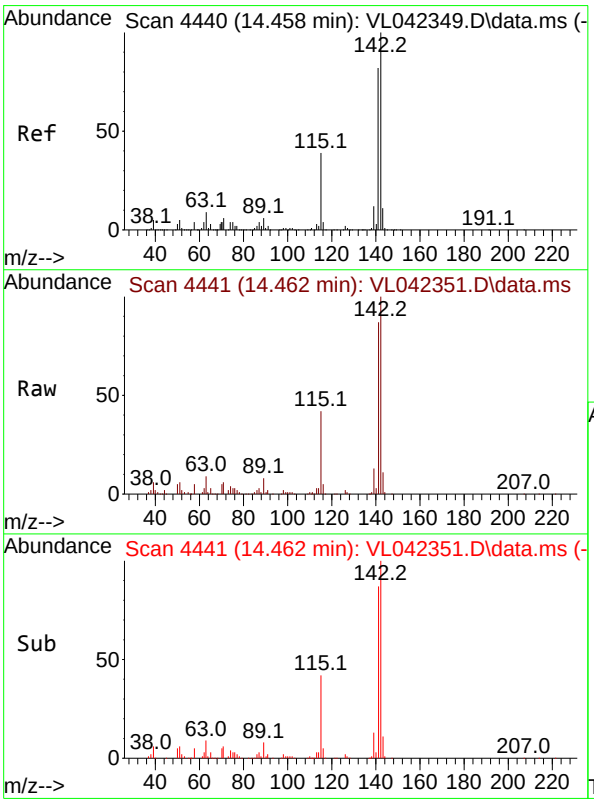
#79
Naphthalene
Concen: 1.138 ppbv
RT: 13.517 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 90710

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.1	8.6	12.8

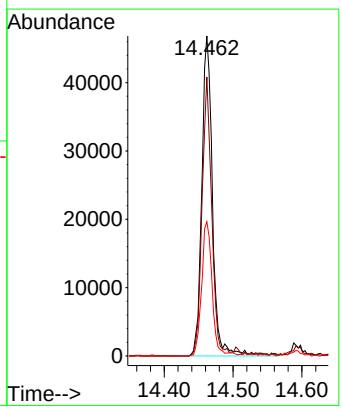


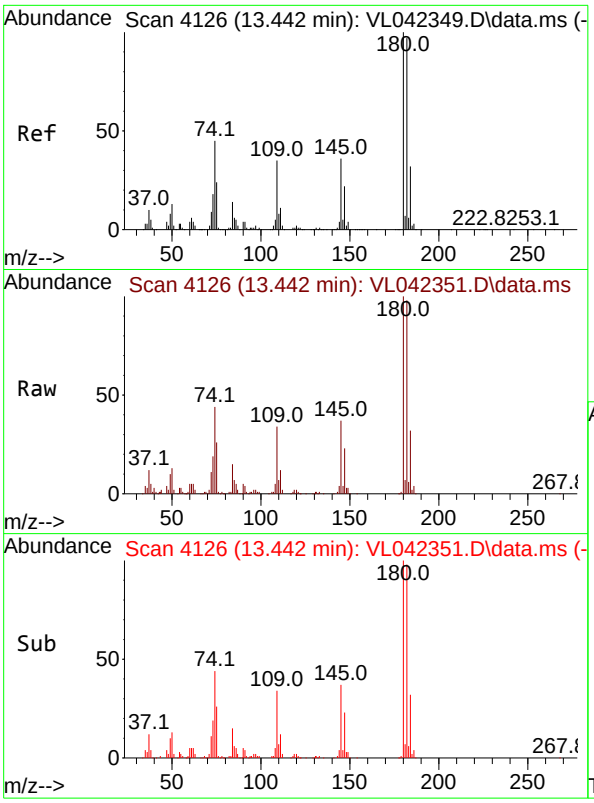


#80
Naphthalene,2-methyl-
Concen: 1.111 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:142 Resp: 50487

Ion	Ratio	Lower	Upper
142	100		
141	80.9	66.8	100.2
115	41.2	33.4	50.2



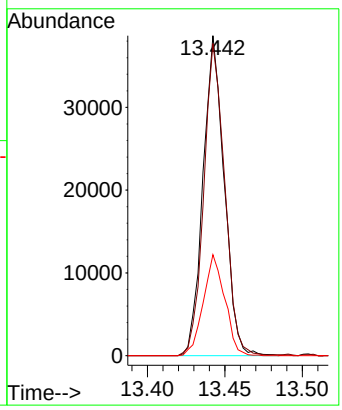


#81
1,2,4-Trichlorobenzene
Concen: 1.074 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 36764

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
184	32.0	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	120542	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	353137	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	321644	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	265161	10.032	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11036	0.518	ppbv		92
3) Chlorodifluoromethane	1.476	51	11304	0.557	ppbv	#	84
4) Chloromethane	1.531	50	4534	0.538	ppbv		97
5) Vinyl Chloride	1.580	62	4406	0.480	ppbv		97
6) Bromomethane	1.667	94	2394	0.602	ppbv		95
7) Chloroethane	1.703	64	1824	0.550	ppbv	#	87
8) Dichlorotetrafluoroethane	1.554	85	9381	0.513	ppbv		99
9) Propene	1.483	41	5303	0.574	ppbv		93
10) Heptane	4.978	43	5438	0.219	ppbv	#	1
11) Trichlorofluoromethane	1.877	101	10150	0.501	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.136	101	8371	0.506	ppbv		93
13) Ethanol	1.719	45	715	0.947	ppbv	#	24
14) Bromoethene	1.780	108	3238	0.519	ppbv	#	93
15) Acetone	1.835	43	11859	0.601	ppbv	#	74
16) 1,3-Butadiene	1.609	39	6120	0.660	ppbv	#	82
17) tert-Butyl alcohol	2.043	59	13640	0.558	ppbv	#	85
18) 1,1-Dichloroethene	2.033	96	4430	0.556	ppbv	#	87
19) Isopropyl Alcohol	1.884	45	6327	0.577	ppbv	#	39
20) Methylene Chloride	2.059	84	5273	0.682	ppbv		93
21) Allyl Chloride	2.094	41	7692	0.565	ppbv	#	81
22) trans-1,2-Dichloroethene	2.340	96	4908	0.557	ppbv		92
23) Vinyl Acetate	2.460	43	3953	0.495	ppbv	#	57
24) 1,1-Dichloroethane	2.408	63	8753	0.523	ppbv	#	94
25) Ethyl Acetate	2.835	43	26686	0.548	ppbv	#	93
26) Hexane	2.823	57	11448	0.581	ppbv		91
27) Carbon Disulfide	2.149	76	11472	0.544	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	6833	0.530	ppbv	#	32
29) Chloroform	2.848	83	14815	0.532	ppbv		93
30) Cyclohexane	3.852	84	8572	0.541	ppbv		94
31) cis-1,2-Dichloroethene	2.722	61	9571	0.511	ppbv		96
32) 1,1,1-Trichloroethane	3.370	97	15413	0.516	ppbv		97
34) 2-Butanone	2.560	43	15640	0.560	ppbv		97
35) Carbon Tetrachloride	3.761	117	14683	0.459	ppbv		87
36) Benzene	3.651	78	20233	0.531	ppbv		97
37) 1,2-Dichloroethane	3.217	62	12194	0.533	ppbv	#	95
38) Trichloroethene	4.551	130	7819	0.468	ppbv	#	78
39) 1,2-Dichloropropane	4.315	63	3195	0.225	ppbv		89
40) 1,4-Dioxane	4.599	88	2550	0.331	ppbv	#	1
41) Tetrahydrofuran	3.062	42	8773	0.544	ppbv		95
42) Bromodichloromethane	4.489	83	16642	0.523	ppbv	#	91
43) Methyl Methacrylate	4.871	69	1556	0.091	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.635	57	34170	0.519	ppbv		91
45) t-1,3-Dichloropropene	6.393	75	1332	0.076	ppbv		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

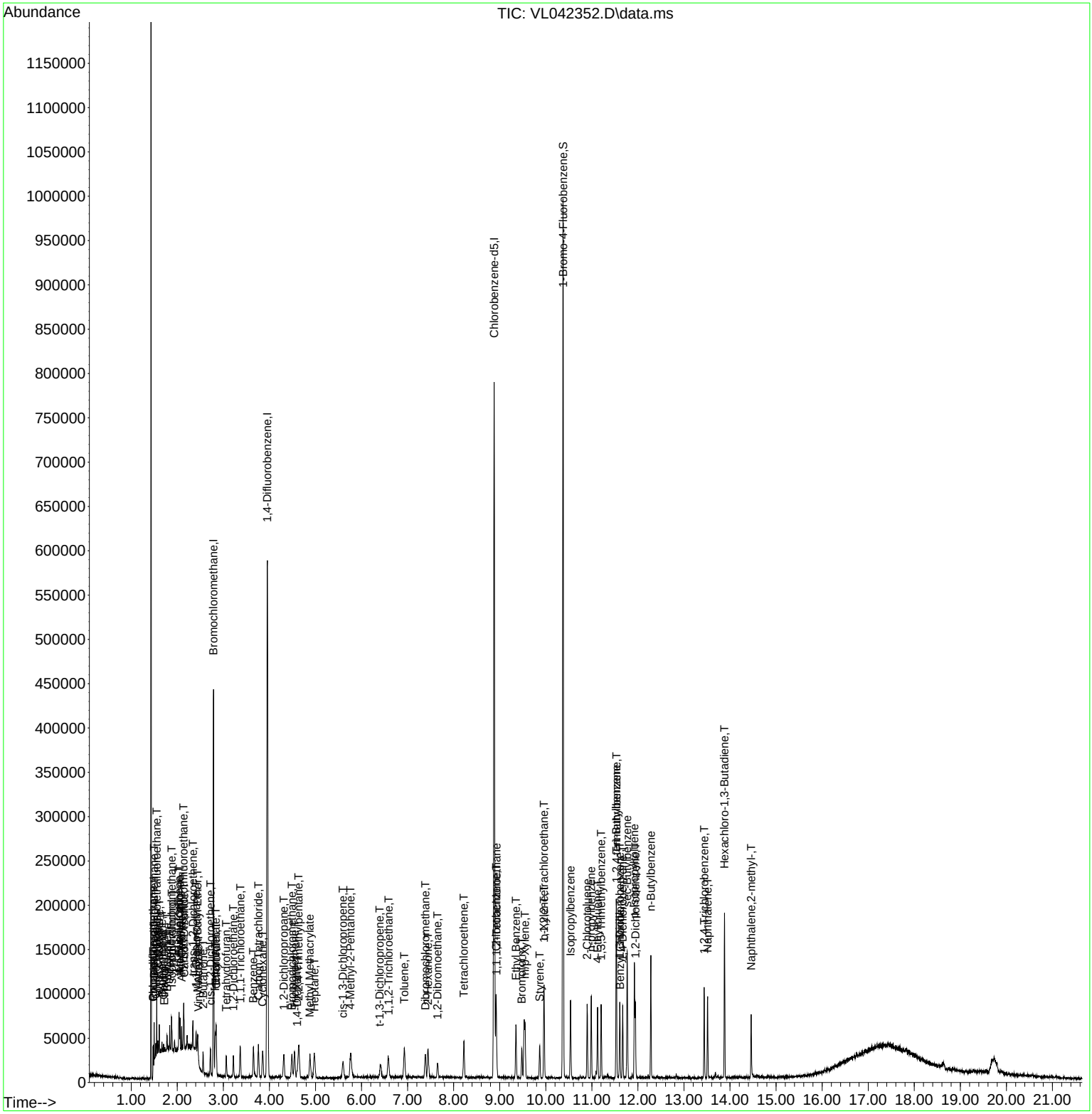
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	7634	0.356	ppbv	#	91
47) 1,1,2-Trichloroethane	6.590	97	2374	0.164	ppbv		94
48) Dibromochloromethane	7.386	129	13122	0.514	ppbv		97
49) Bromoform	9.477	173	10988	0.492	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	14380	0.309	ppbv	#	39
51) 2-Hexanone	7.441	43	23684	0.564	ppbv		98
52) Tetrachloroethene	8.221	164	7412	0.503	ppbv	#	88
53) Toluene	6.927	91	24200	0.529	ppbv		97
54) 1,2-Dibromoethane	7.645	107	10282	0.499	ppbv		84
56) 1,1,1,2-Tetrachloroethane	8.930	131	9987	0.513	ppbv	#	1
57) Chlorobenzene	8.924	112	6884	0.206	ppbv		90
58) Ethyl Benzene	9.351	91	32624	0.512	ppbv		97
59) m/p-Xylene	9.548	91	22598	0.439	ppbv	#	32
60) o-Xylene	9.963	91	27983	0.541	ppbv		99
61) Styrene	9.869	104	12736	0.516	ppbv		96
62) Isopropylbenzene	10.539	105	40481	0.533	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.959	83	15920	0.474	ppbv		99
64) n-propylbenzene	10.985	120	10369	0.544	ppbv		97
65) tert-Butylbenzene	11.529	119	37294	0.535	ppbv		93
66) Benzyl Chloride	11.613	91	3878	0.506	ppbv	#	91
67) sec-Butylbenzene	11.765	105	52139	0.537	ppbv		97
69) p-Isopropyltoluene	11.924	119	45574	0.541	ppbv		98
70) n-Butylbenzene	12.280	91	48004	0.547	ppbv		99
71) 2-Chlorotoluene	10.898	91	31709	0.533	ppbv		100
72) 4-Ethyltoluene	11.125	105	33048	0.523	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.202	105	30464	0.546	ppbv		99
74) 1,2,4-Trimethylbenzene	11.536	105	37765	0.579	ppbv	#	90
75) 1,3-Dichlorobenzene	11.607	146	18003	0.531	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	18300	0.537	ppbv		96
77) 1,2-Dichlorobenzene	11.947	146	17446	0.530	ppbv		95
78) Hexachloro-1,3-Butadiene	13.879	225	18705	0.562	ppbv		98
79) Naphthalene	13.513	128	38521	0.494	ppbv	#	92
80) Naphthalene,2-methyl-	14.458	142	21076	0.475	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	16504	0.493	ppbv		97

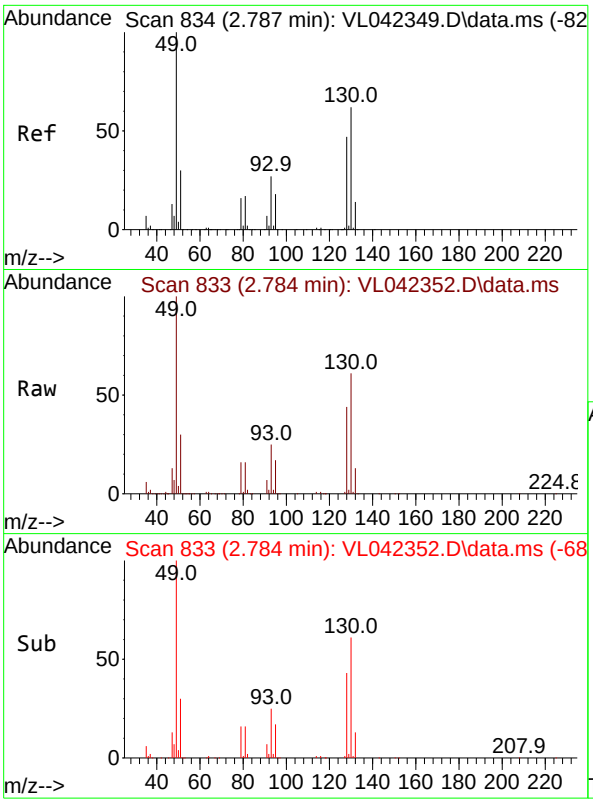
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042352.D
Acq On : 17 Apr 2025 11:19
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Apr 18 01:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



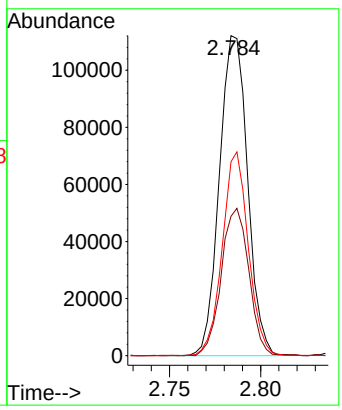


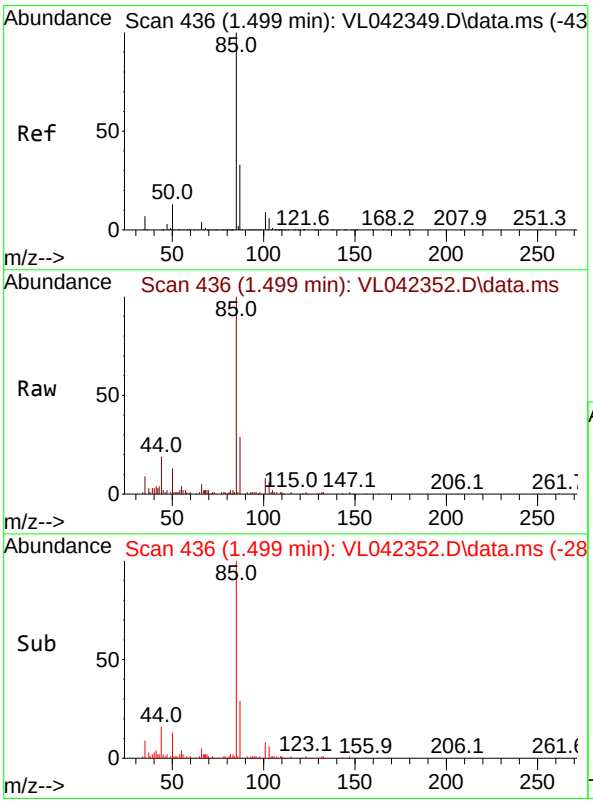
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 120542

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	59.0	29.3	88.0

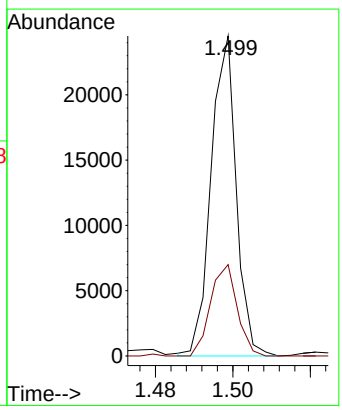


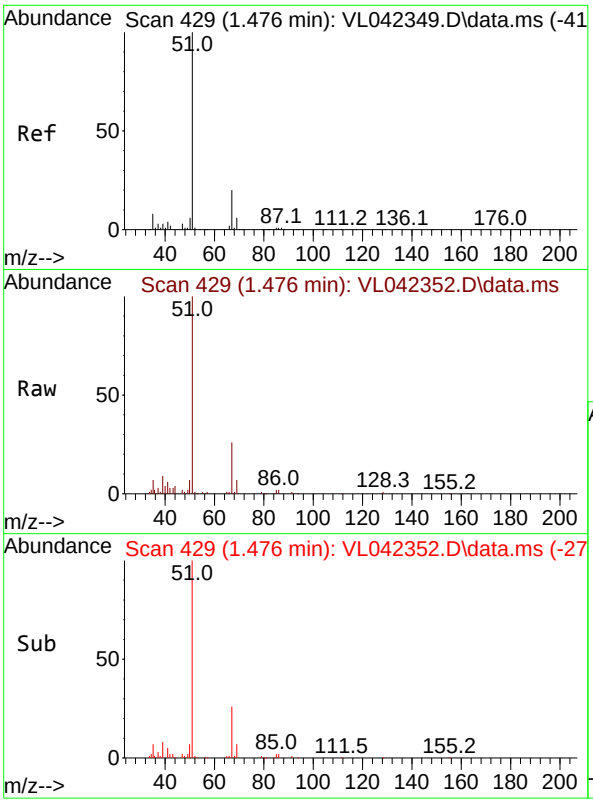


#2
Dichlorodifluoromethane
Concen: 0.518 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 85 Resp: 11036

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.6	39.8



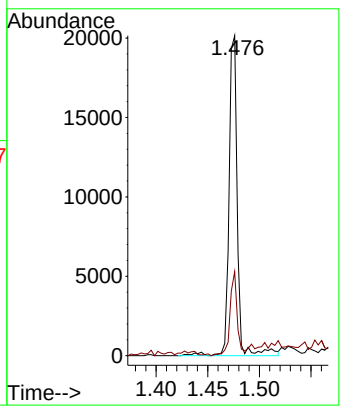


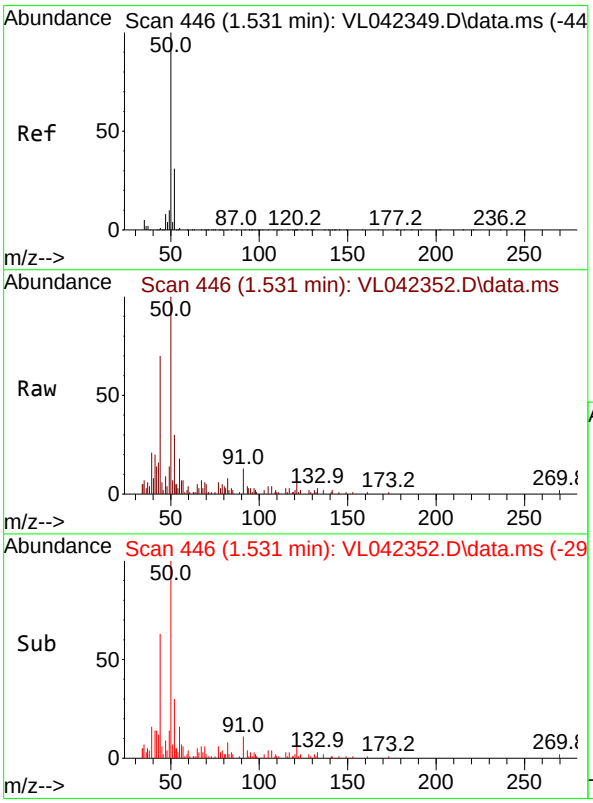
#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 11304

Ion	Ratio	Lower	Upper
51	100		
67	27.8	16.2	24.4#

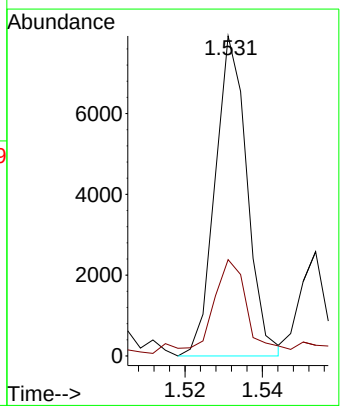


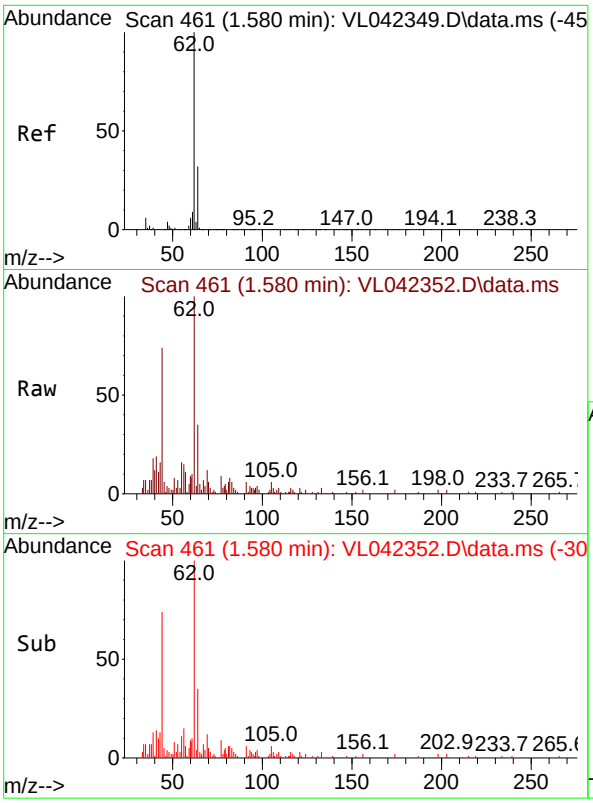


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 50 Resp: 4534

Ion	Ratio	Lower	Upper
50	100		
52	32.8	24.7	37.1



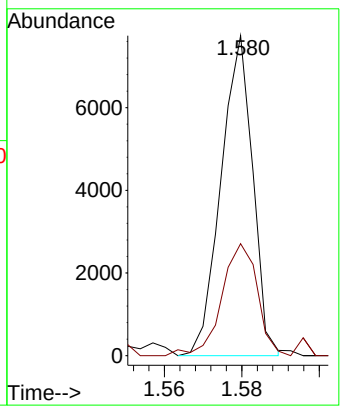


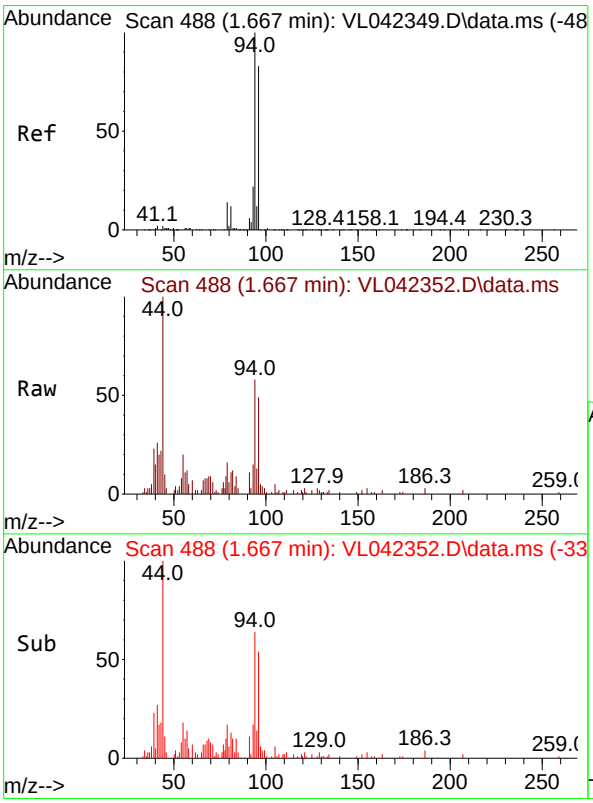
#5
Vinyl Chloride
Concen: 0.480 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 4406

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.4	38.0

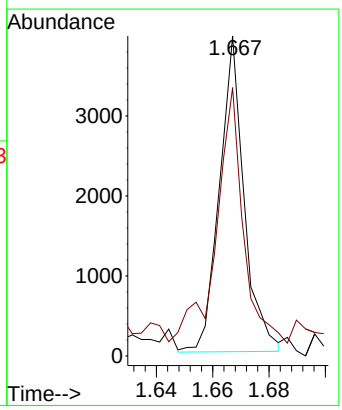


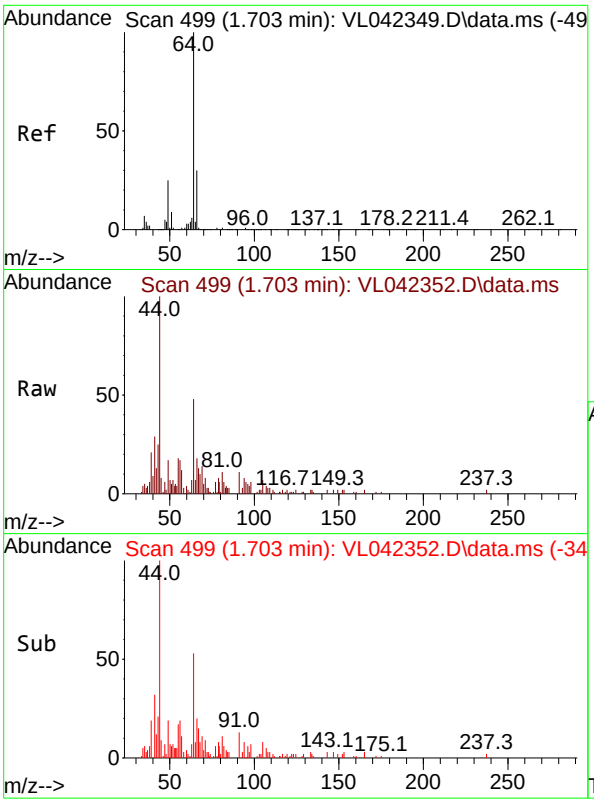


#6
Bromomethane
Concen: 0.602 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 94 Resp: 2394

Ion	Ratio	Lower	Upper
94	100		
96	78.1	66.2	99.2



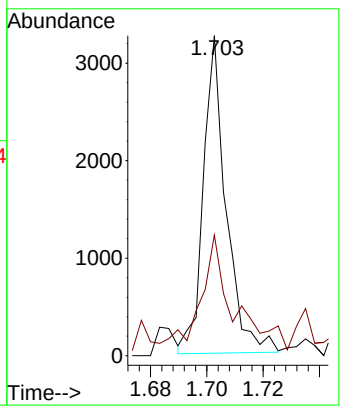


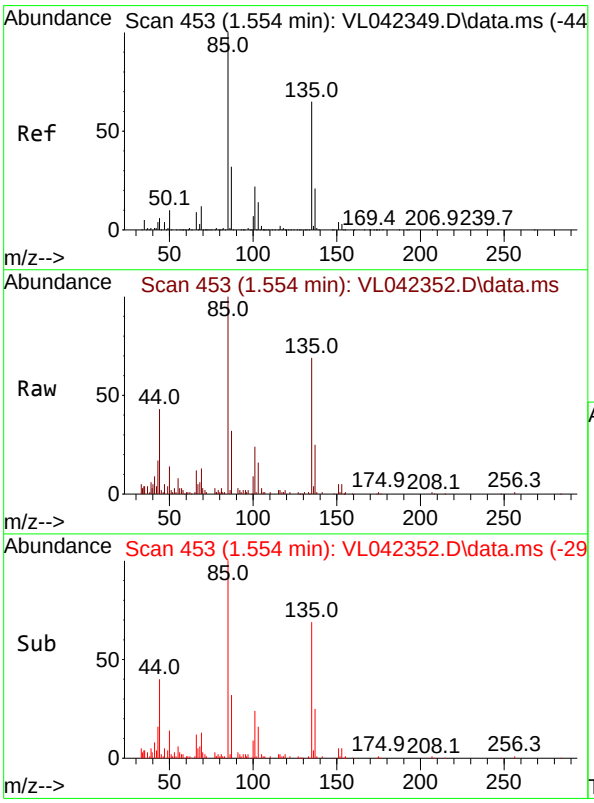
#7
Chloroethane
Concen: 0.550 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 1824

Ion	Ratio	Lower	Upper
64	100		
66	37.7	24.6	37.0#

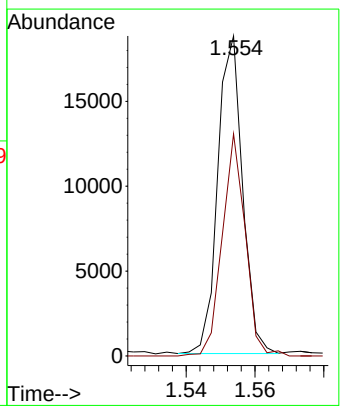


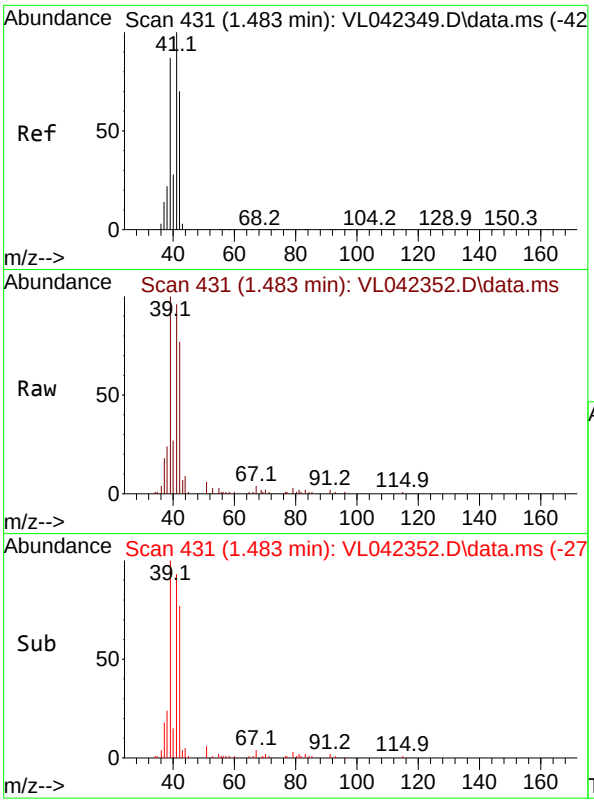


#8
Dichlorotetrafluoroethane
Concen: 0.513 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 85 Resp: 9381

Ion	Ratio	Lower	Upper
85	100		
135	66.2	52.2	78.2



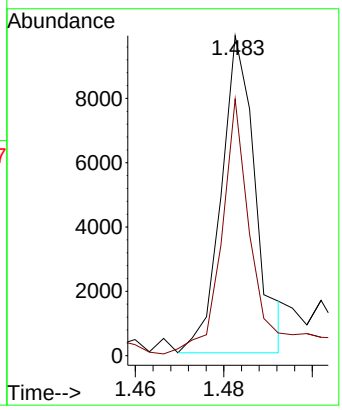


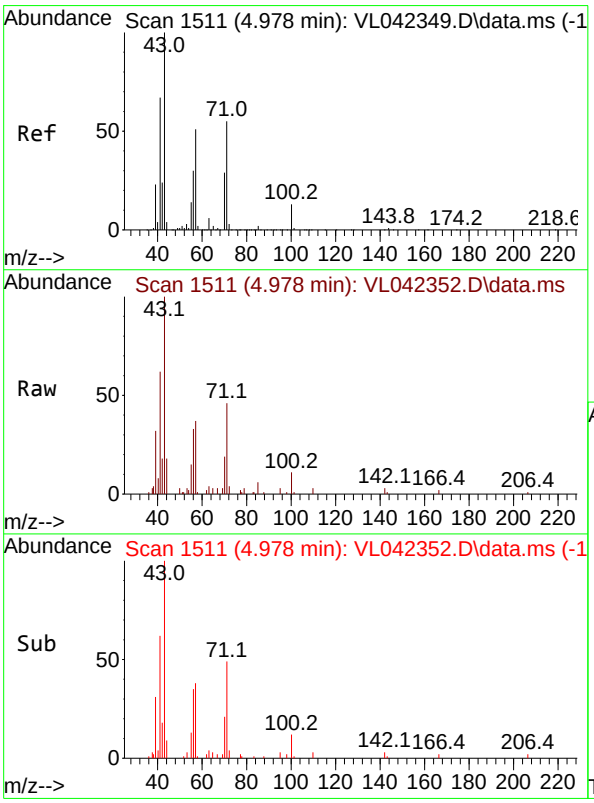
#9
Propene
Concen: 0.574 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 5303

Ion	Ratio	Lower	Upper
41	100		
42	64.8	56.2	84.4

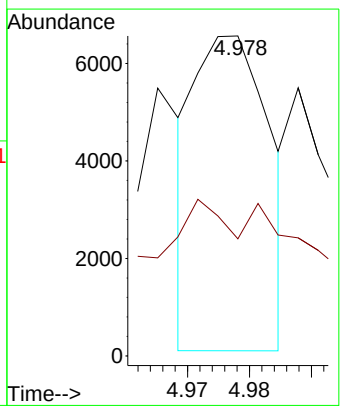


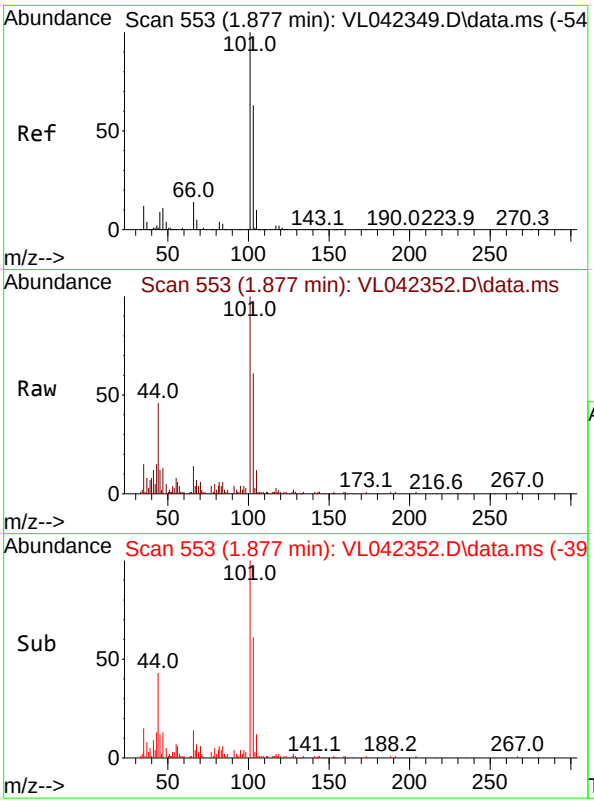


#10
Heptane
Concen: 0.219 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 5438

Ion	Ratio	Lower	Upper
43	100		
57	138.4	39.9	59.9#



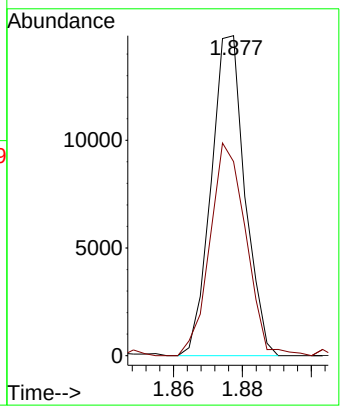


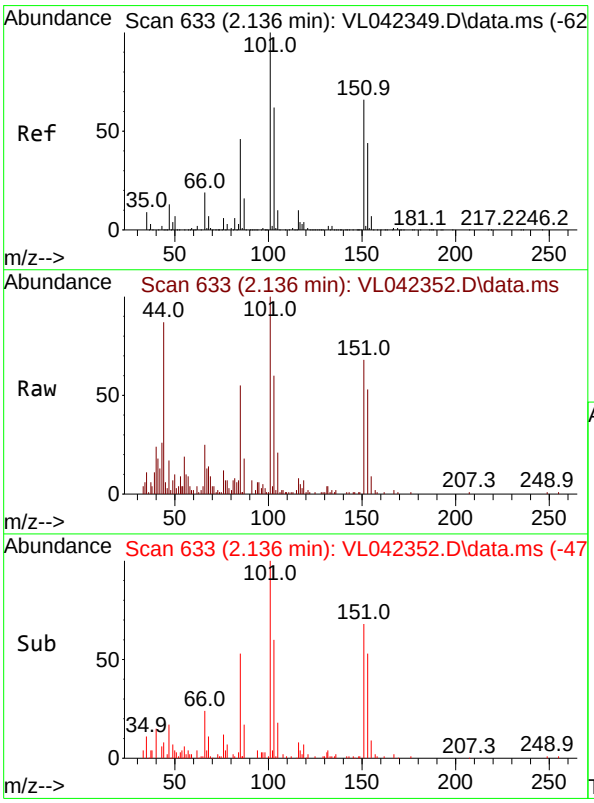
#11
Trichlorofluoromethane
Concen: 0.501 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 10150

Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.1	75.1

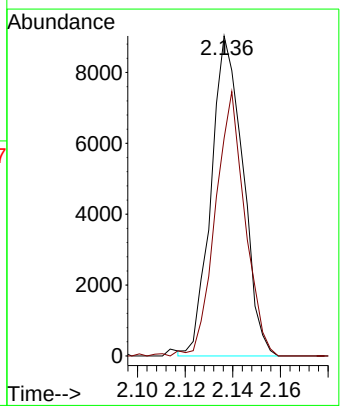


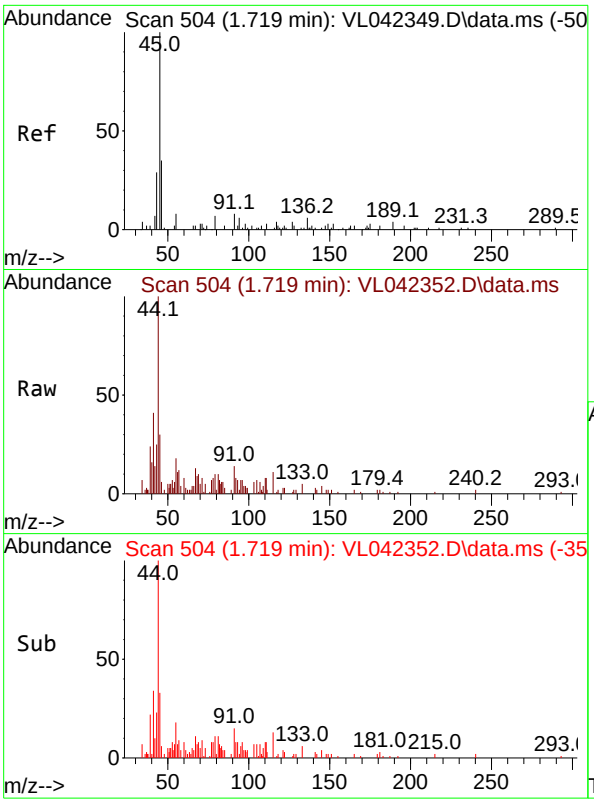


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.506 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:101 Resp: 8371

Ion	Ratio	Lower	Upper
101	100		
151	77.4	57.0	85.6



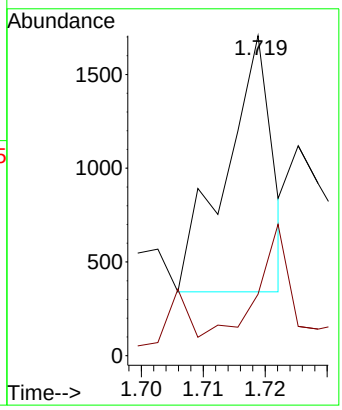


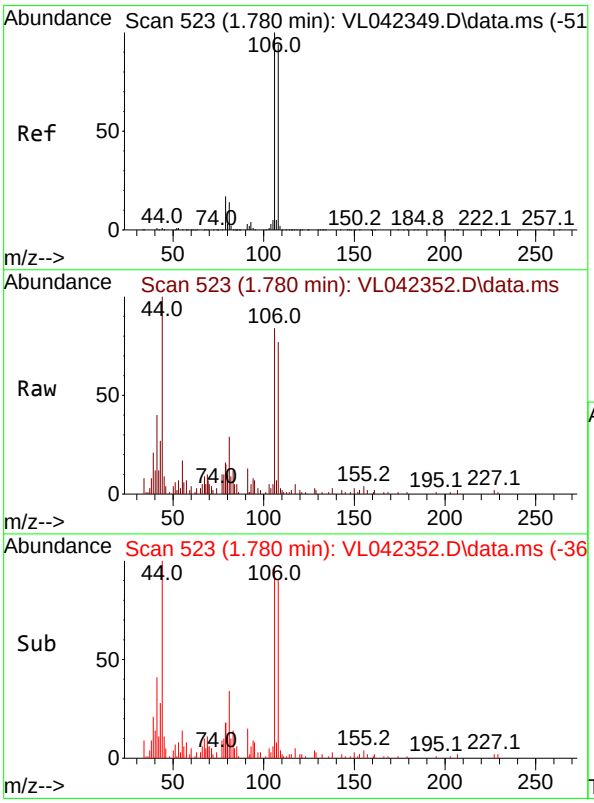
#13
Ethanol
Concen: 0.947 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 715

Ion	Ratio	Lower	Upper
45	100		
46	0.0	21.9	87.7#

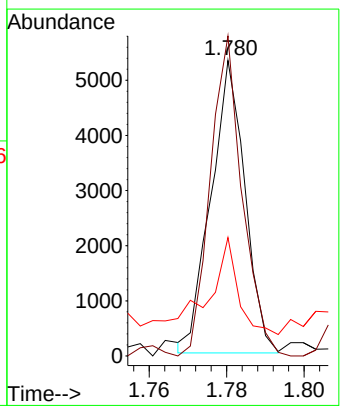


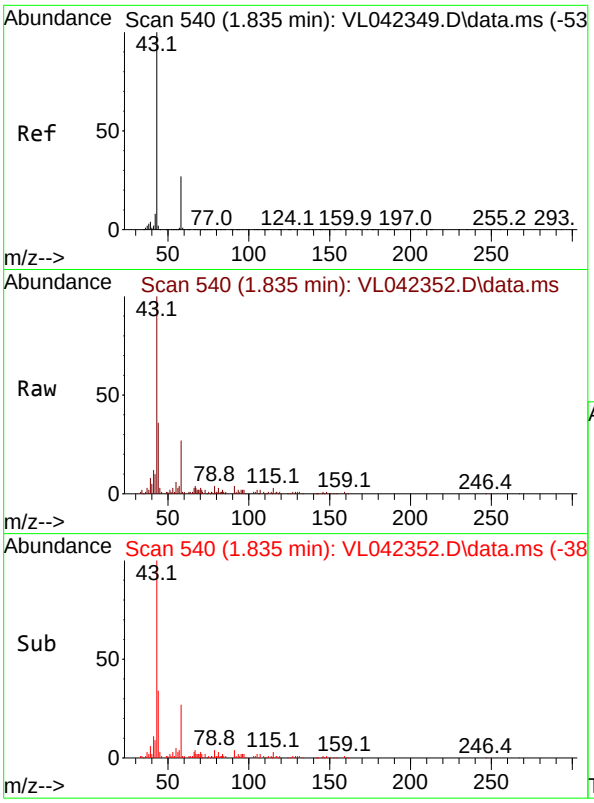


#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:108 Resp: 3238

Ion	Ratio	Lower	Upper
108	100		
106	110.3	85.9	128.9
79	33.0	13.9	20.9#



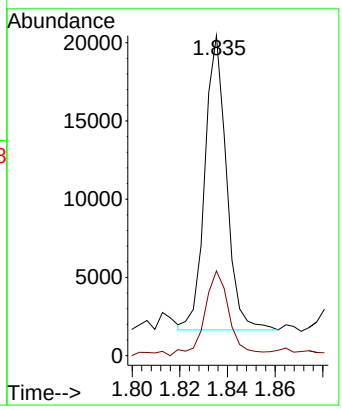


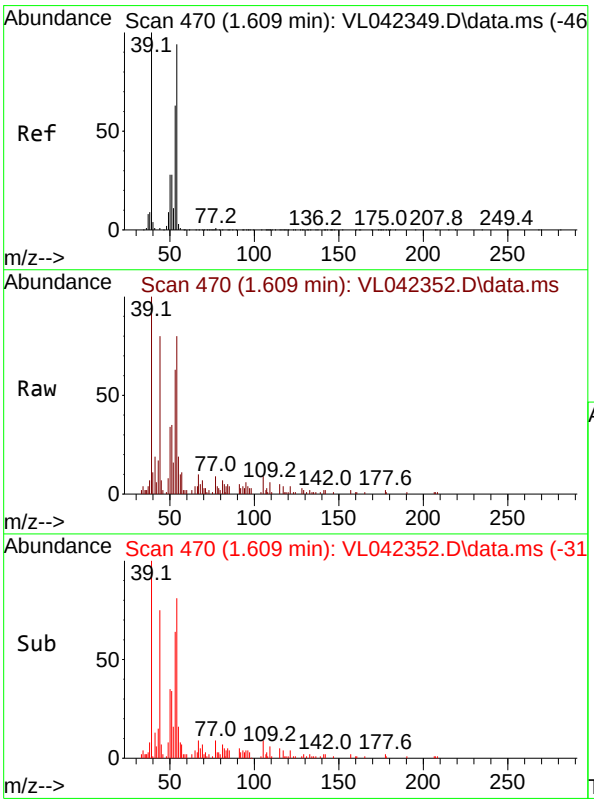
#15
Acetone
Concen: 0.601 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 11859

Ion	Ratio	Lower	Upper
43	100		
58	41.7	22.4	33.6#

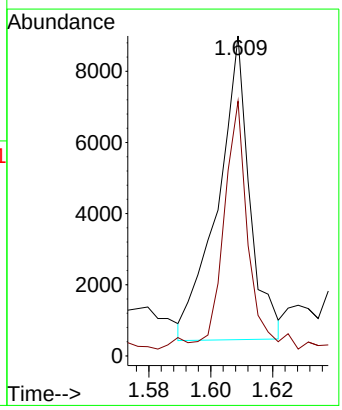


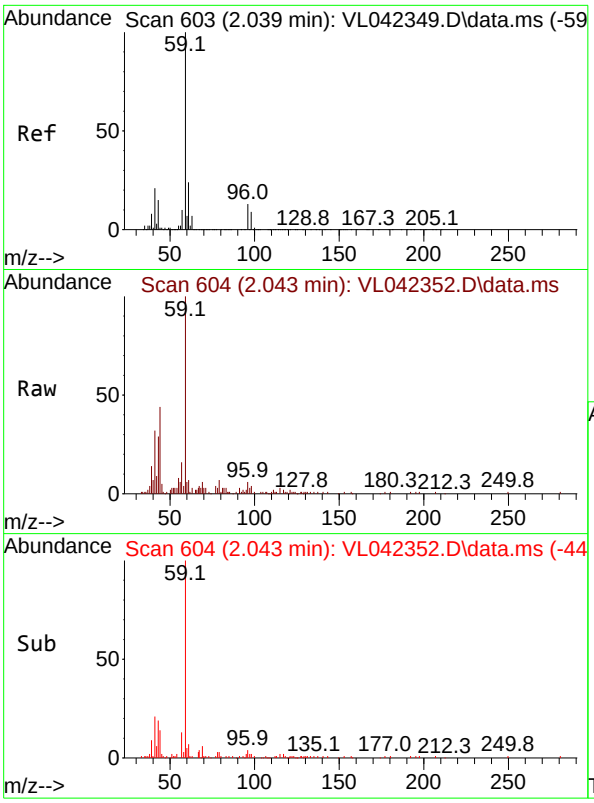


#16
1,3-Butadiene
Concen: 0.660 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 39 Resp: 6120

Ion	Ratio	Lower	Upper
39	100		
54	64.7	64.9	97.3#



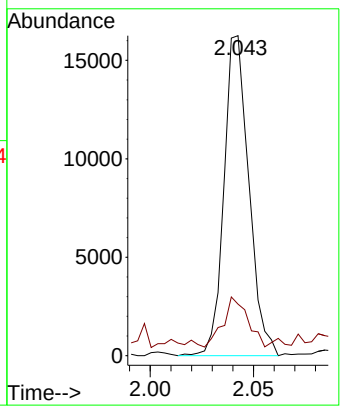


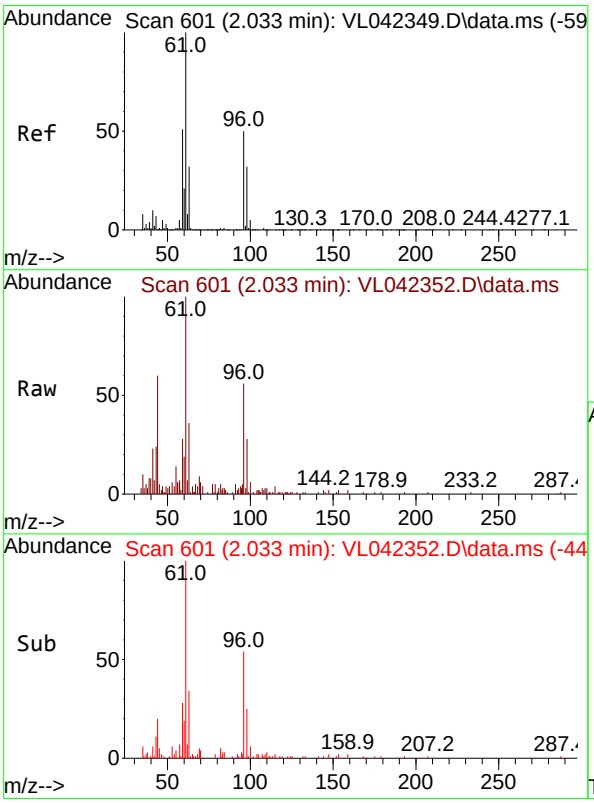
#17
tert-Butyl alcohol
Concen: 0.558 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 13640

Ion	Ratio	Lower	Upper
59	100		
57	16.5	8.7	13.1#

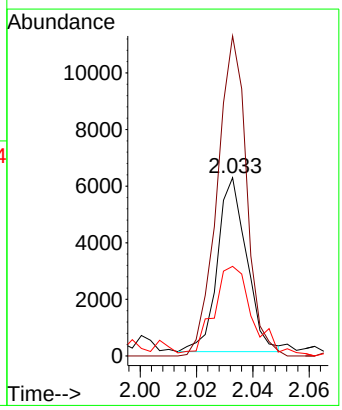


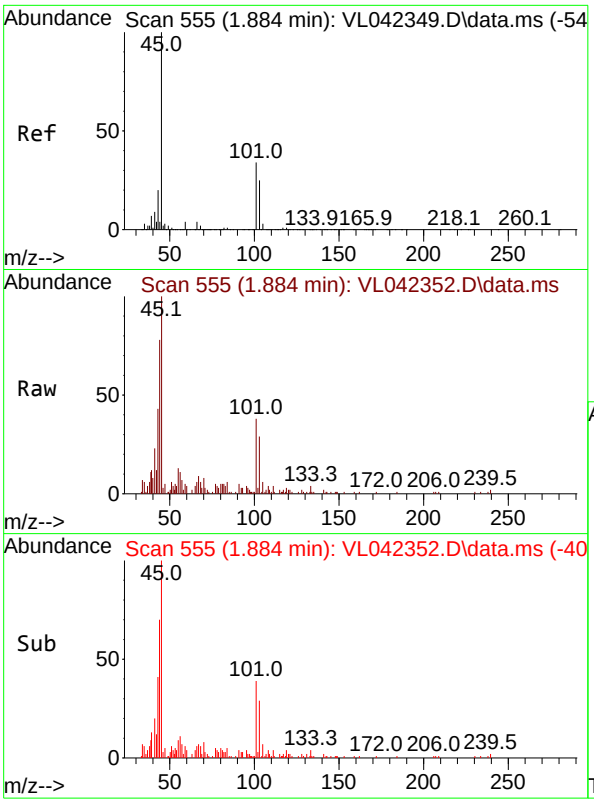


#18
1,1-Dichloroethene
Concen: 0.556 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 96 Resp: 4430

Ion	Ratio	Lower	Upper
96	100		
61	183.9	160.2	240.2
98	49.7	51.0	76.4#



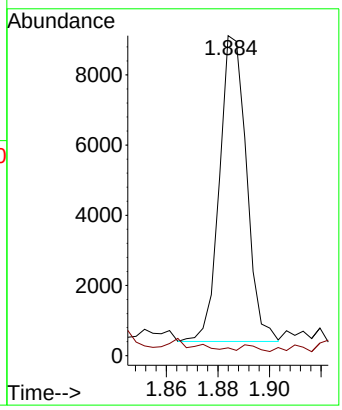


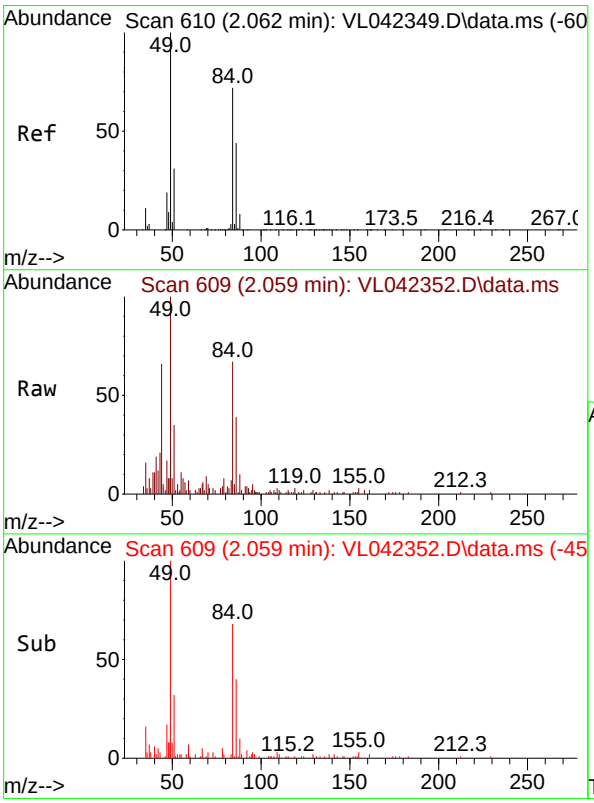
#19
Isopropyl Alcohol
Concen: 0.577 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 6327

Ion	Ratio	Lower	Upper
45	100		
58	3.8	34.5	51.7#

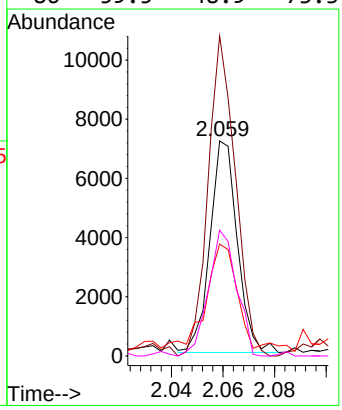


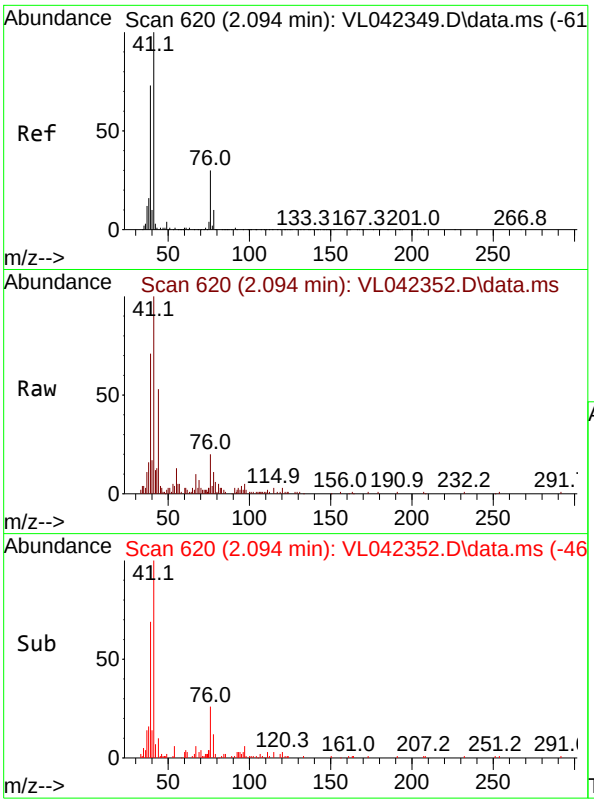


#20
Methylene Chloride
Concen: 0.682 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 84 Resp: 5273

Ion	Ratio	Lower	Upper
84	100		
49	151.3	111.6	167.4
51	48.1	35.1	52.7
86	59.5	48.9	73.3



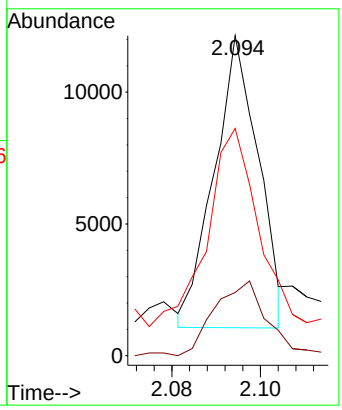


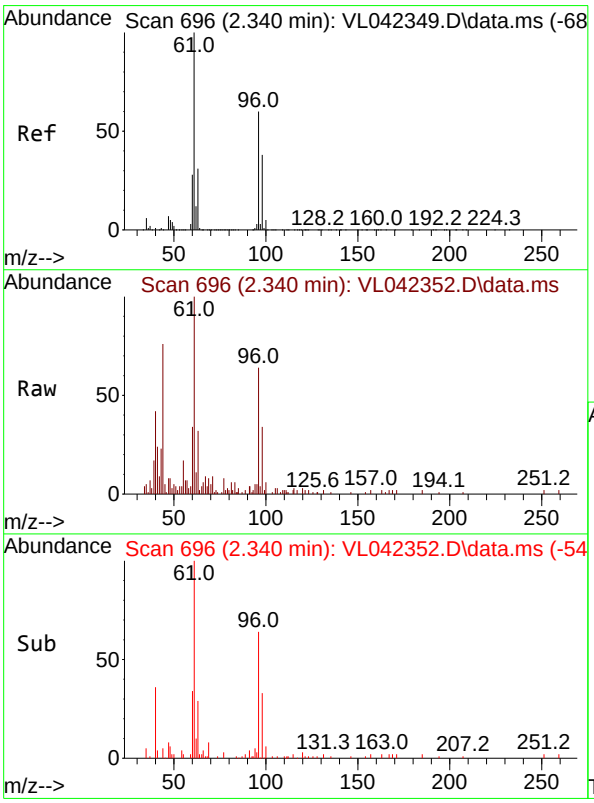
#21
Allyl Chloride
Concen: 0.565 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 7692

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.8	37.2
39	98.8	60.6	90.8#

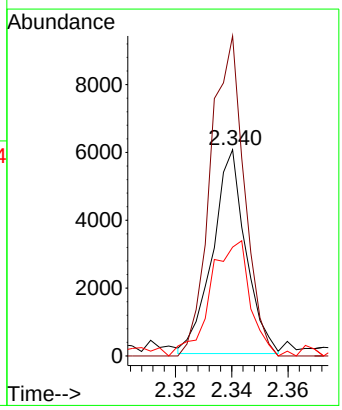


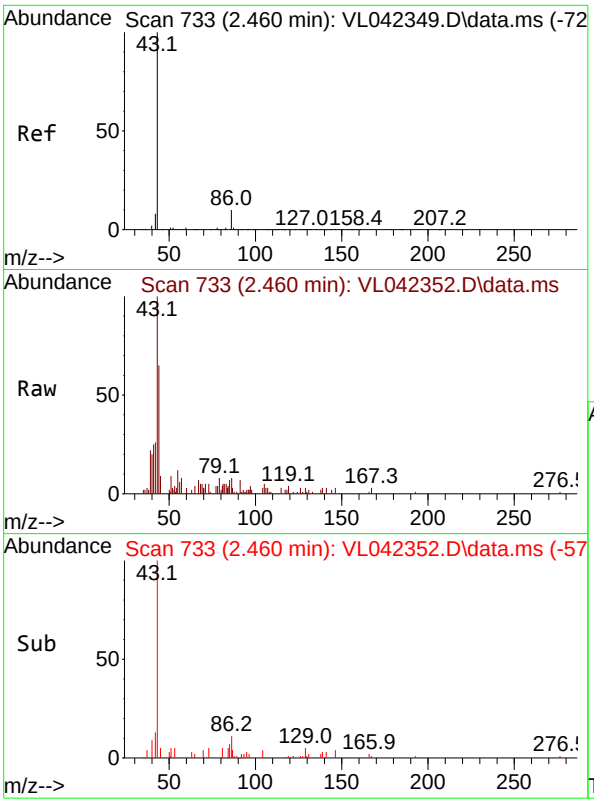


#22
trans-1,2-Dichloroethene
Concen: 0.557 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 96 Resp: 4908

Ion	Ratio	Lower	Upper
96	100		
61	158.7	133.7	200.5
98	54.0	50.3	75.5



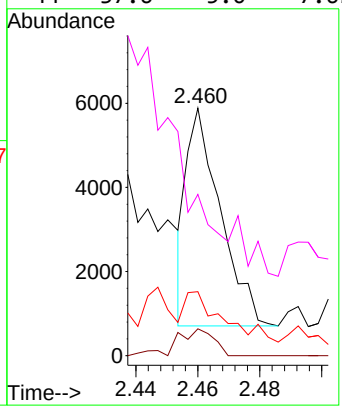


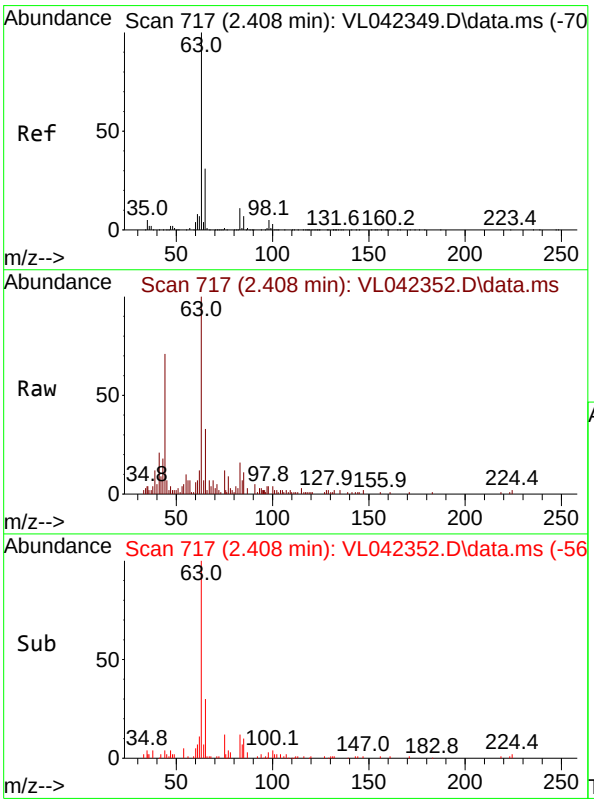
#23
Vinyl Acetate
Concen: 0.495 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 3953

Ion	Ratio	Lower	Upper
43	100		
86	12.4	6.5	9.7#
42	23.2	7.8	11.8#
44	37.6	5.0	7.6#

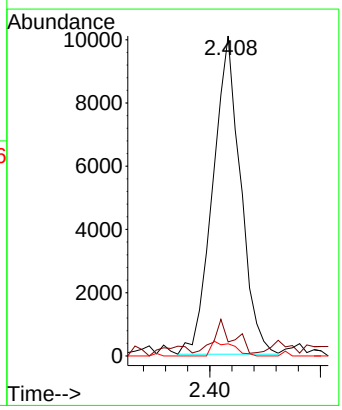


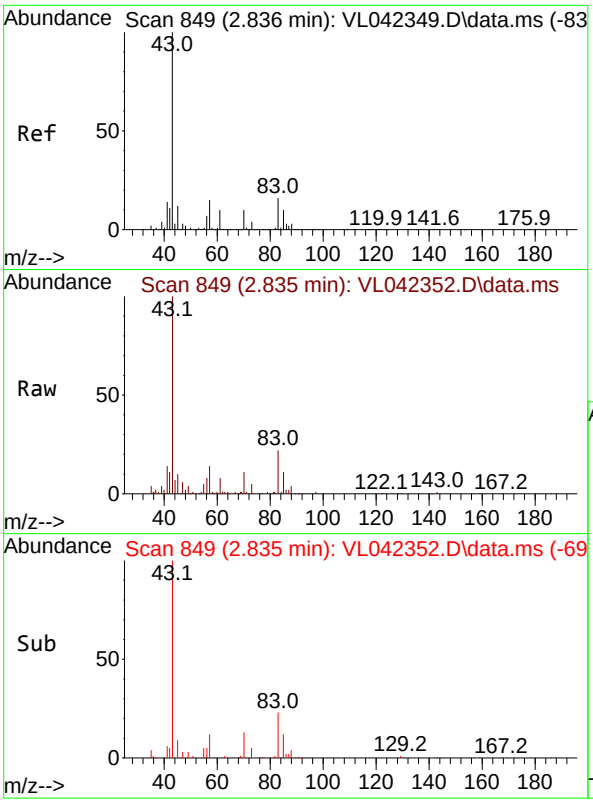


#24
1,1-Dichloroethane
Concen: 0.523 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 63 Resp: 8753

Ion	Ratio	Lower	Upper
63	100		
98	1.4	2.3	6.8#
100	3.8	1.6	4.8



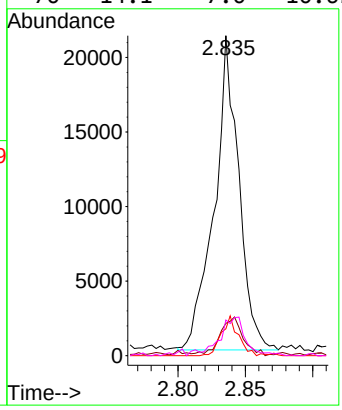


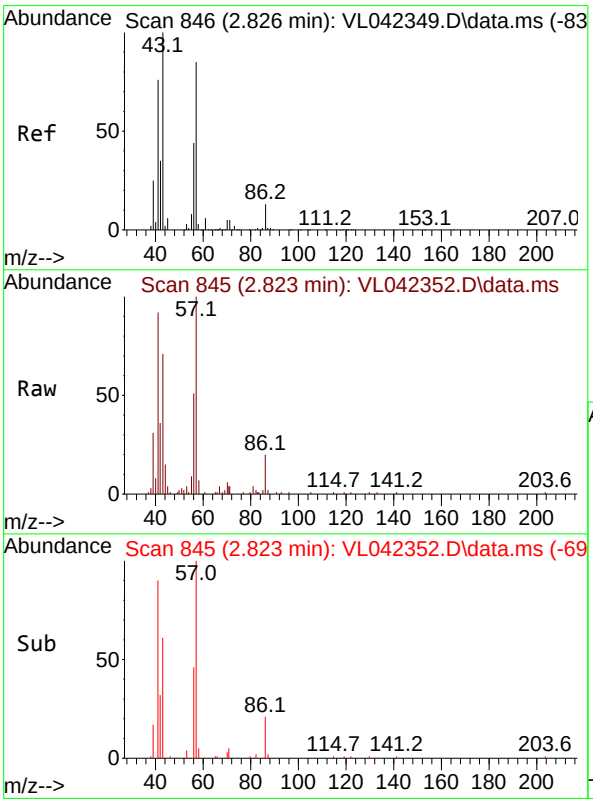
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 26686

Ion	Ratio	Lower	Upper
43	100		
45	13.3	8.3	12.5#
61	9.0	7.3	10.9
70	14.1	7.0	10.6#

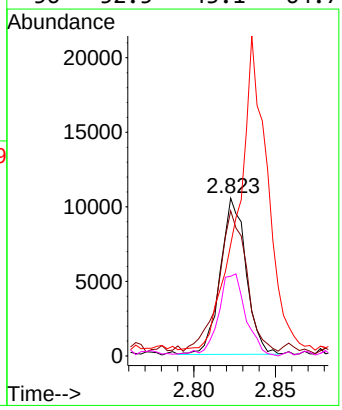


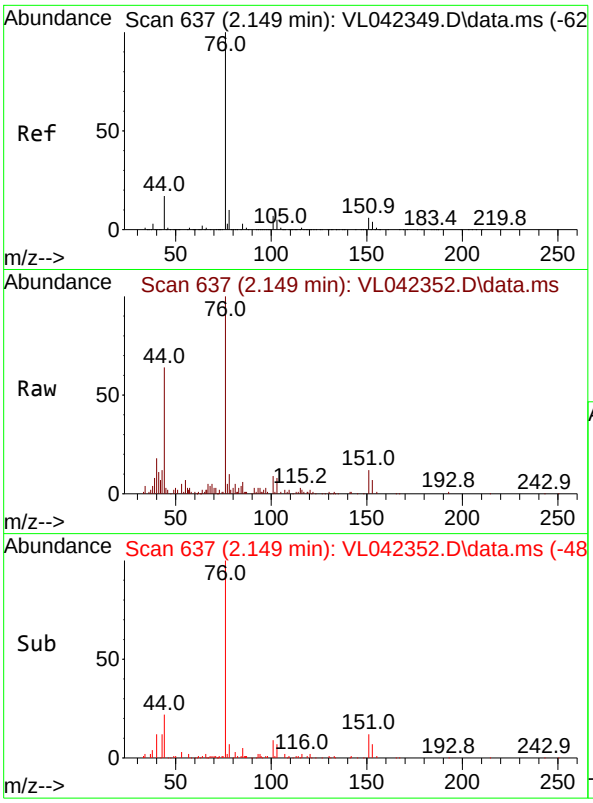


#26
Hexane
Concen: 0.581 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 57 Resp: 11448

Ion	Ratio	Lower	Upper
57	100		
41	103.5	77.9	116.9
43	240.0	208.4	312.6
56	52.5	43.1	64.7



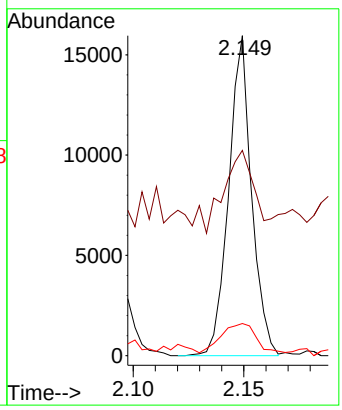


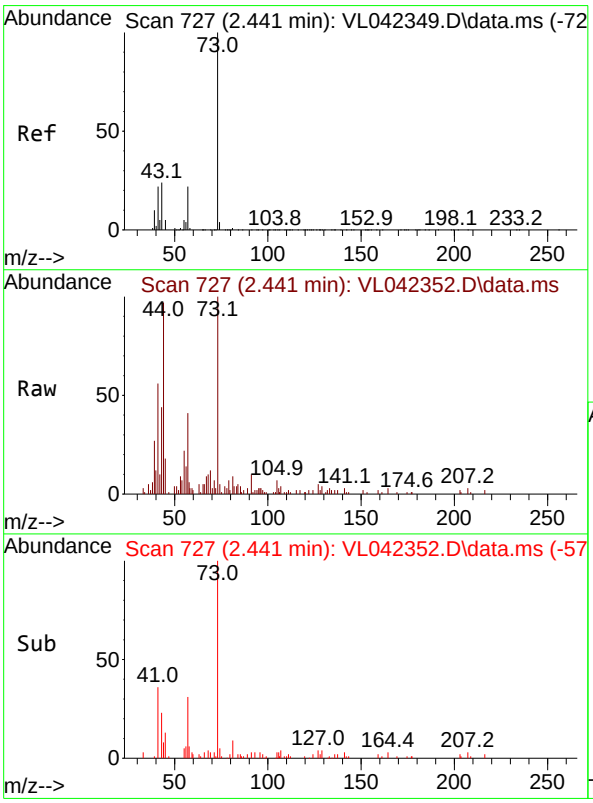
#27
Carbon Disulfide
Concen: 0.544 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 11472

Ion	Ratio	Lower	Upper
76	100		
44	123.7	15.5	23.3#
78	18.8	9.3	13.9#

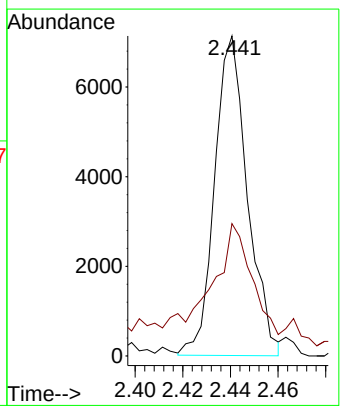


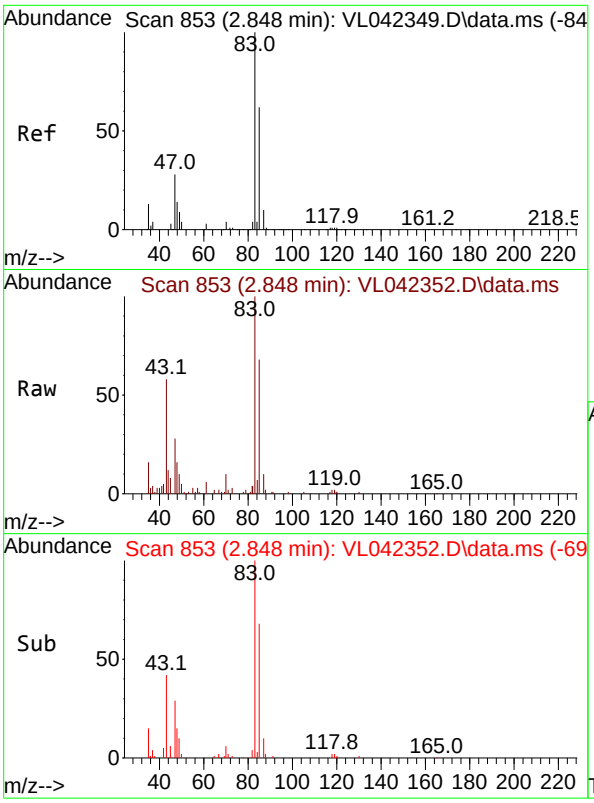


#28
Methyl tert-Butyl Ether
Concen: 0.530 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 73 Resp: 6833

Ion	Ratio	Lower	Upper
73	100		
57	61.8	21.3	31.9#



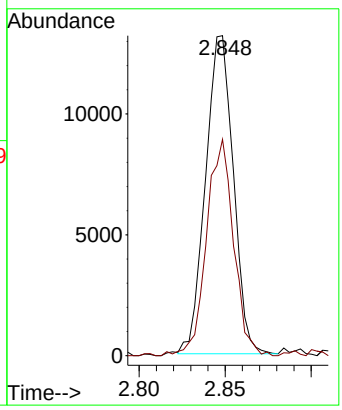


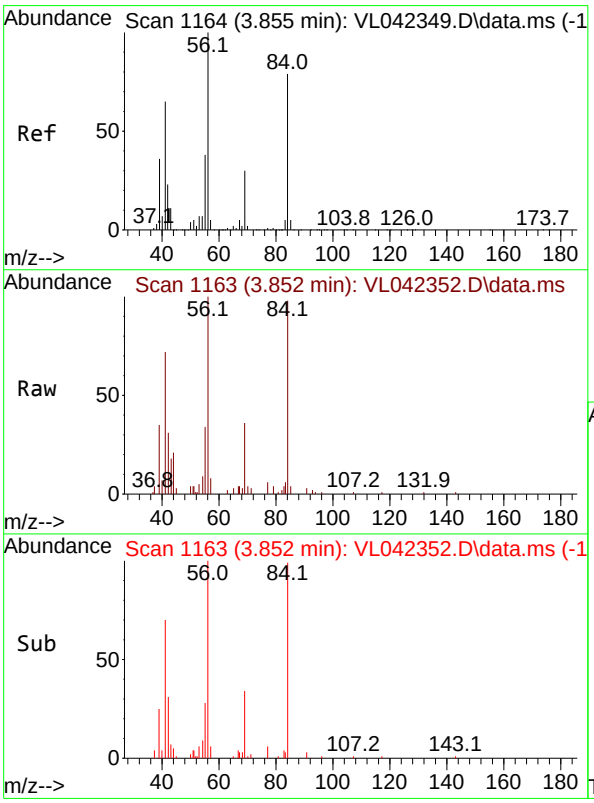
#29
Chloroform
Concen: 0.532 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 14815

Ion	Ratio	Lower	Upper
83	100		
85	68.0	50.0	75.0

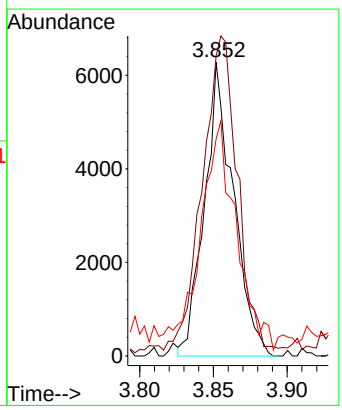


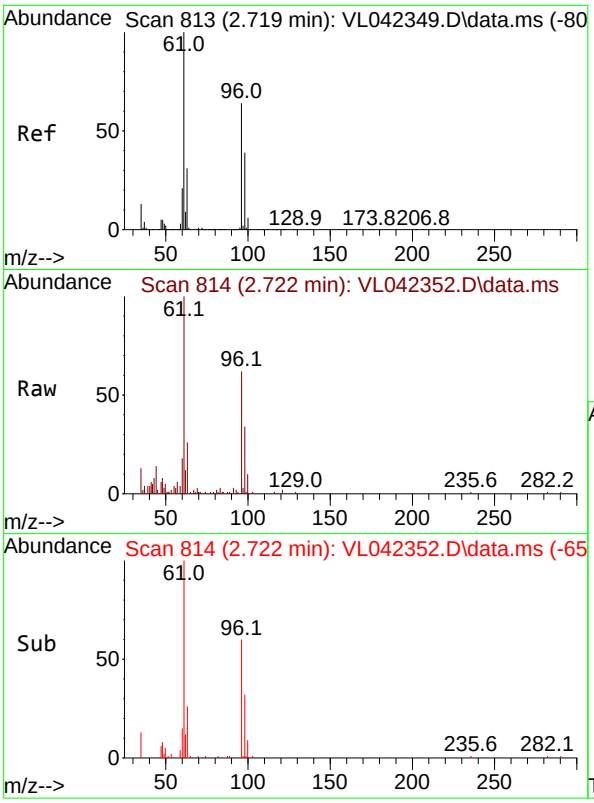


#30
Cyclohexane
Concen: 0.541 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 84 Resp: 8572

Ion	Ratio	Lower	Upper
84	100		
56	132.8	101.0	151.4
41	89.8	67.4	101.0



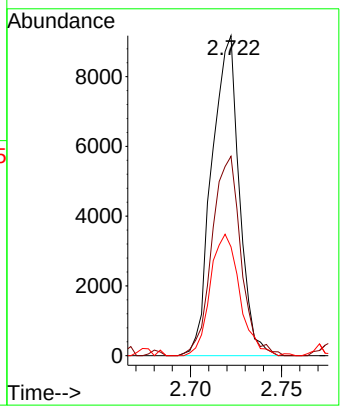


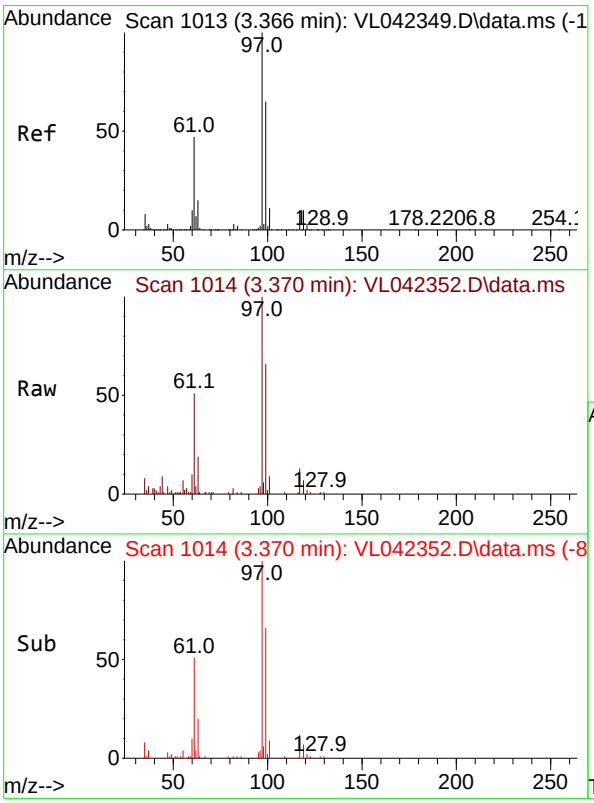
#31
cis-1,2-Dichloroethene
Concen: 0.511 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 9571

Ion	Ratio	Lower	Upper
61	100		
96	62.3	50.8	76.2
98	34.0	30.9	46.3

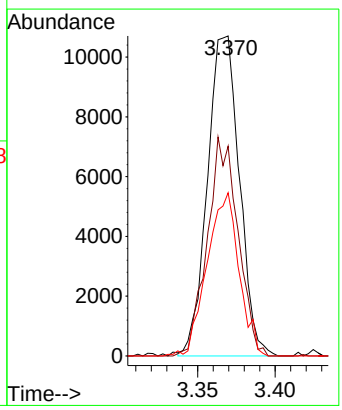


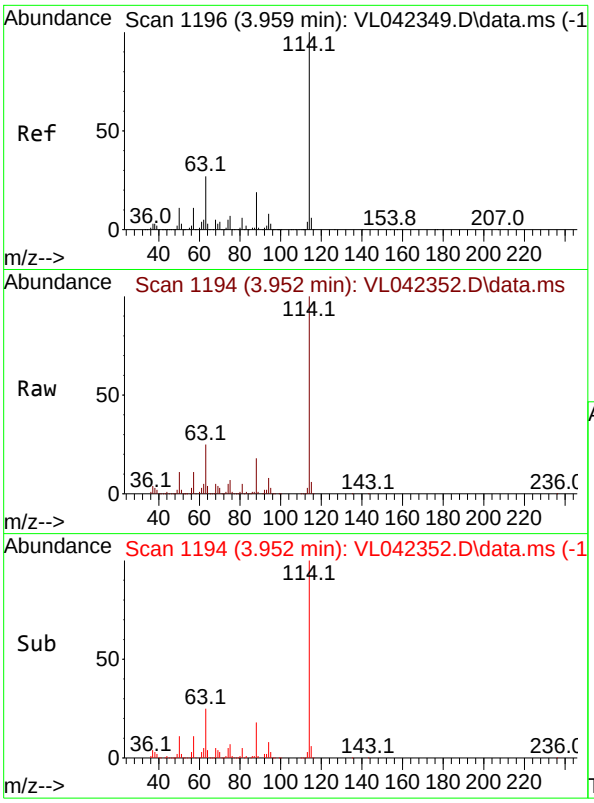


#32
1,1,1-Trichloroethane
Concen: 0.516 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 97 Resp: 15413

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.4
61	50.8	38.8	58.2



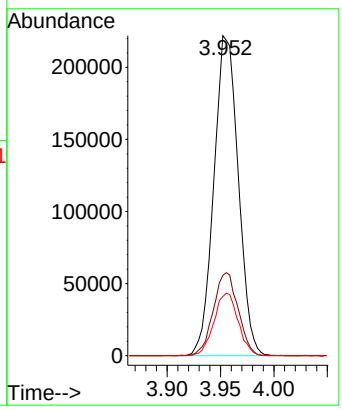


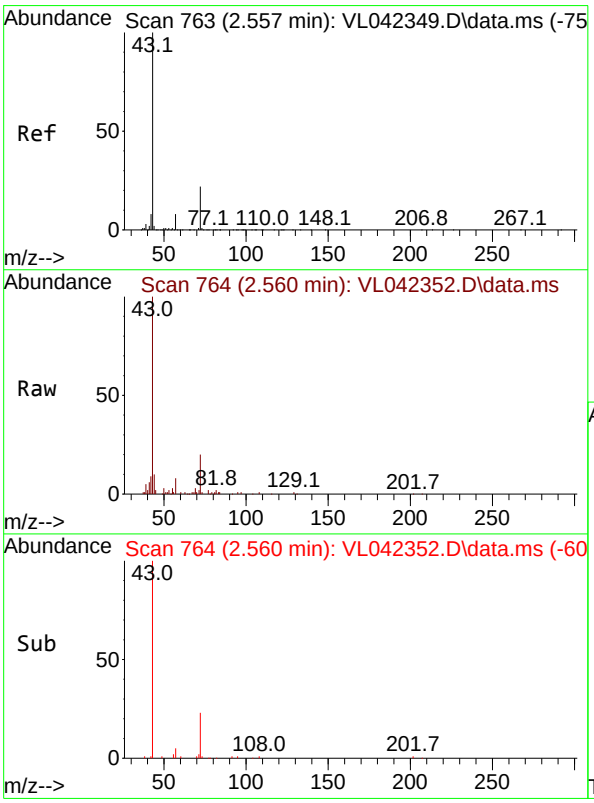
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 353137

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.8	32.6
88	19.4	15.5	23.3

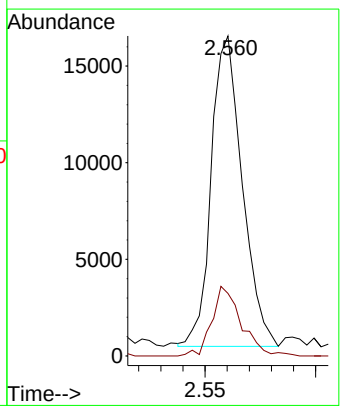


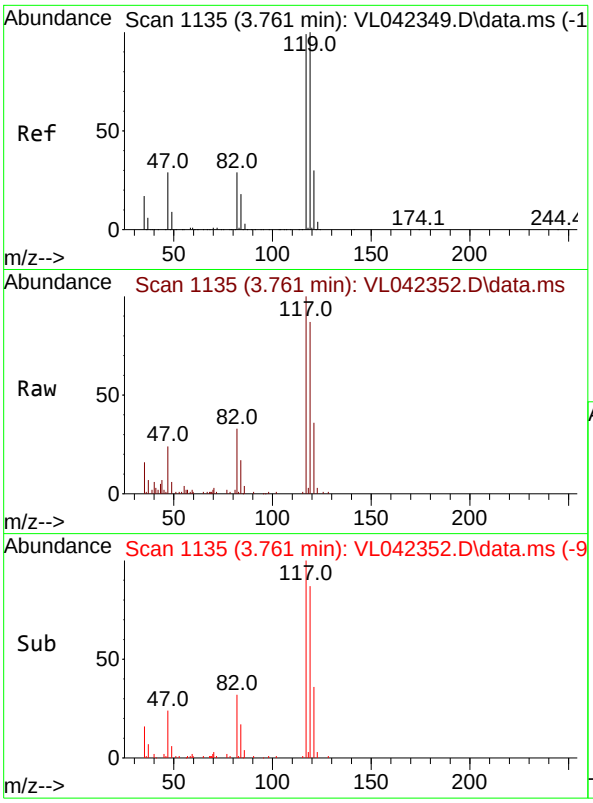


#34
2-Butanone
Concen: 0.560 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 15640

Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2



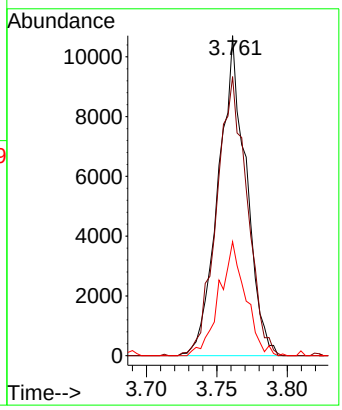


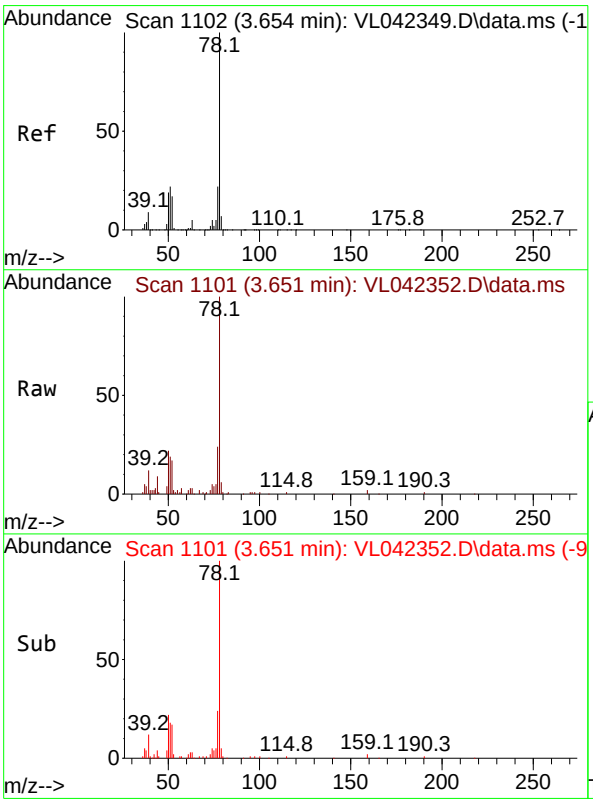
#35
Carbon Tetrachloride
Concen: 0.459 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 14683

Ion	Ratio	Lower	Upper
117	100		
119	87.2	80.5	120.7
121	35.6	24.2	36.2

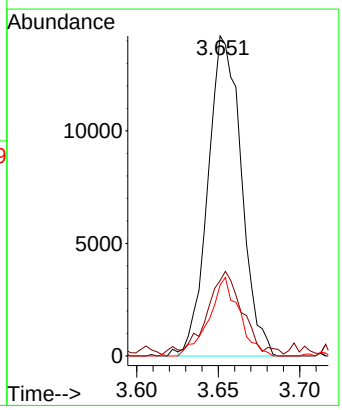


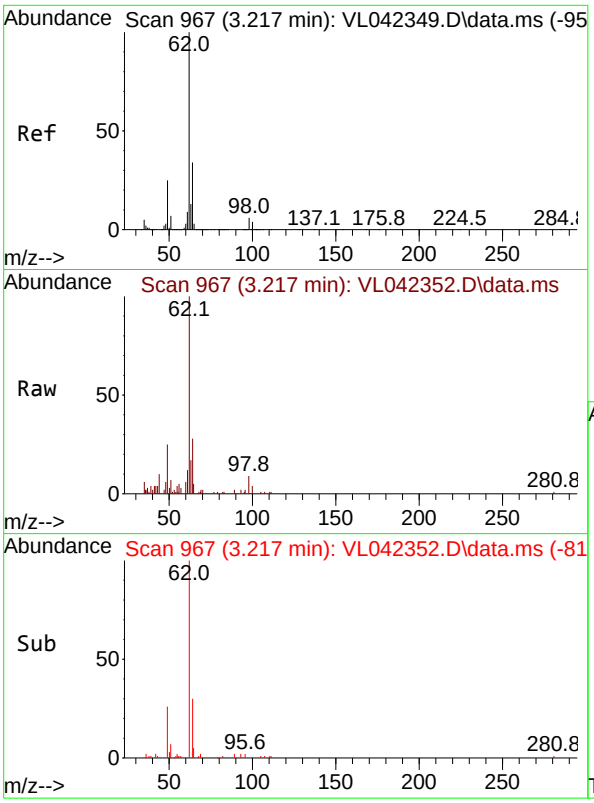


#36
Benzene
Concen: 0.531 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 78 Resp: 20233

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	22.1	15.5	23.3



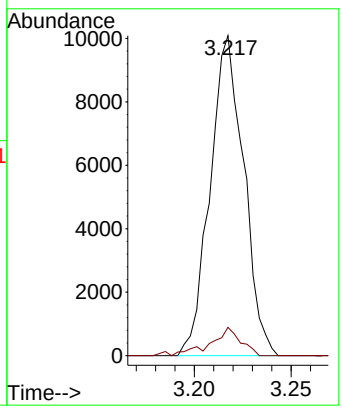


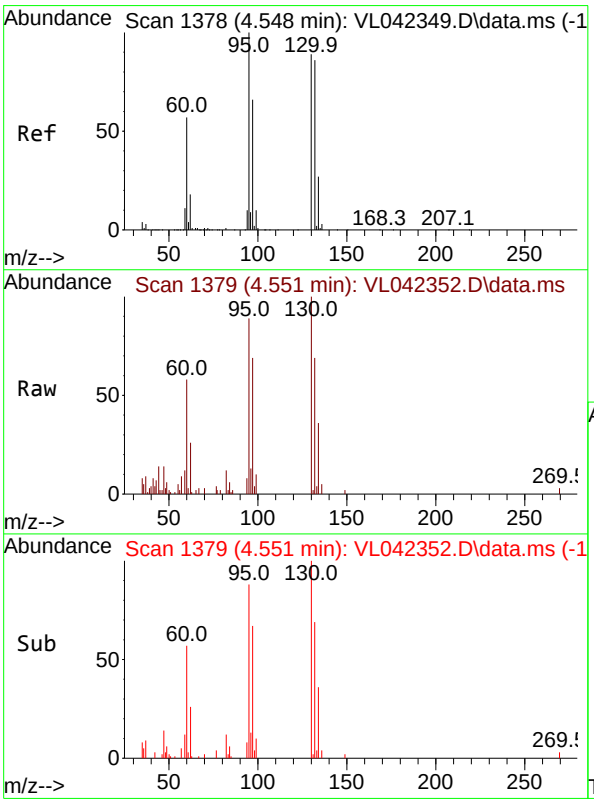
#37
1,2-Dichloroethane
Concen: 0.533 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 12194

Ion	Ratio	Lower	Upper
62	100		
98	8.1	5.1	7.7#

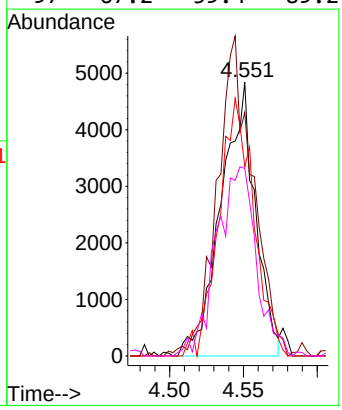


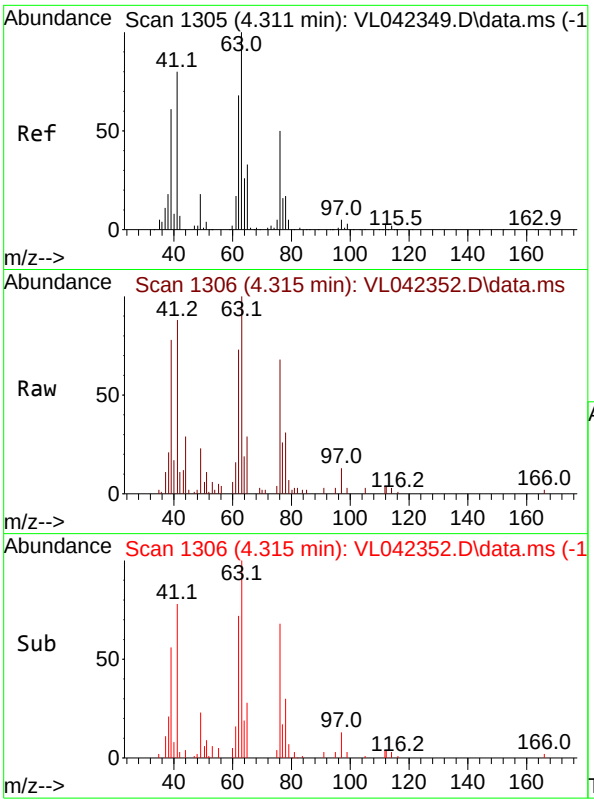


#38
Trichloroethene
Concen: 0.468 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:130 Resp: 7819

Ion	Ratio	Lower	Upper
130	100		
95	86.2	89.8	134.6#
132	69.1	77.7	116.5#
97	67.2	59.4	89.2



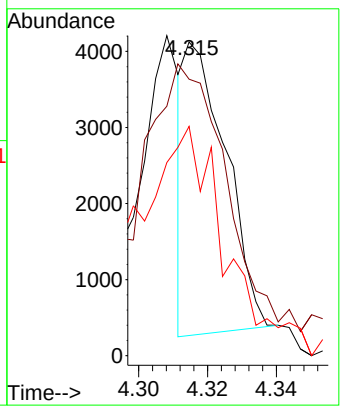


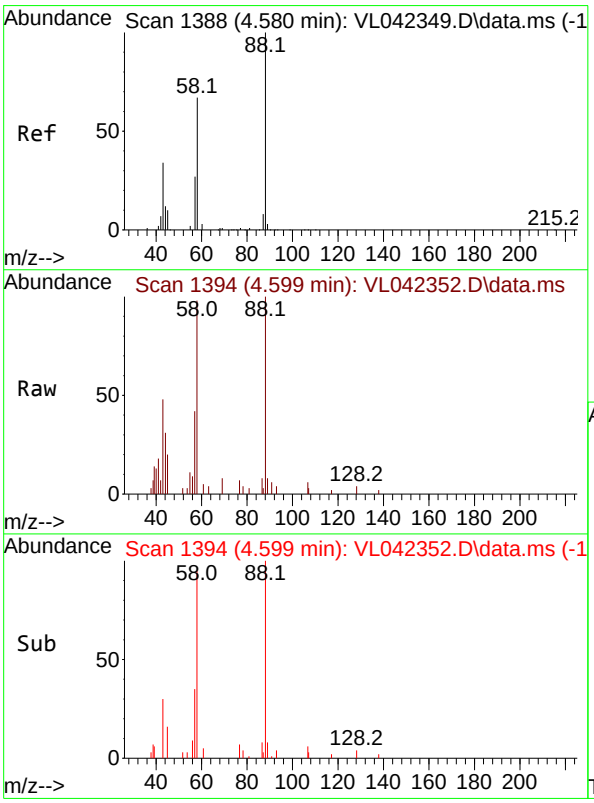
#39
1,2-Dichloropropane
Concen: 0.225 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 3195

Ion	Ratio	Lower	Upper
63	100		
41	90.7	64.2	96.2
62	75.2	54.3	81.5

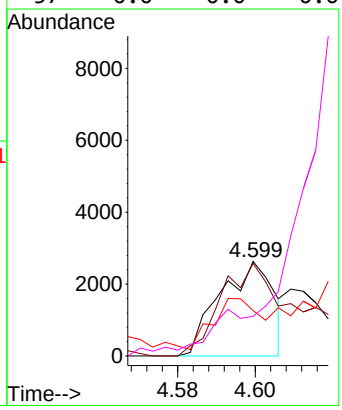


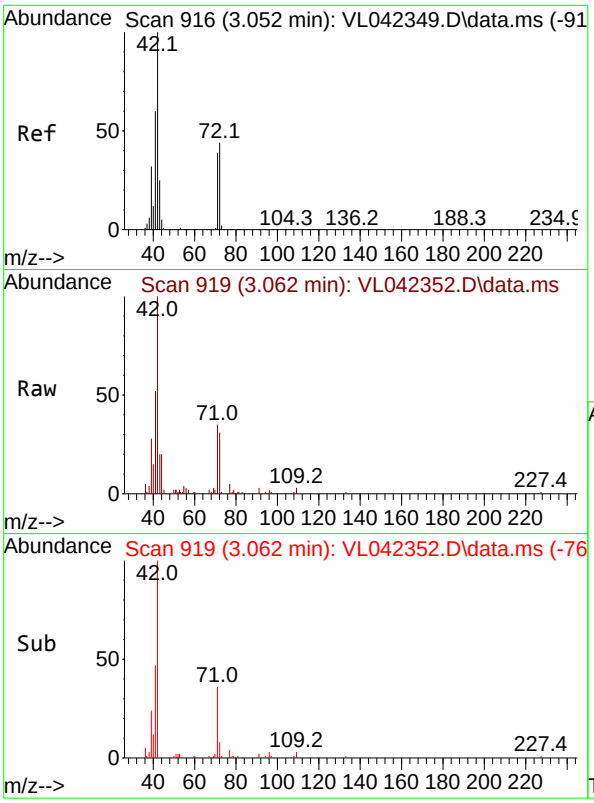


#40
1,4-Dioxane
Concen: 0.331 ppbv
RT: 4.599 min Scan# 1394
Delta R.T. 0.019 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 88 Resp: 2550

Ion	Ratio	Lower	Upper
88	100		
58	214.8	61.4	92.0#
43	0.0	23.2	34.8#
57	0.0	0.0	0.0



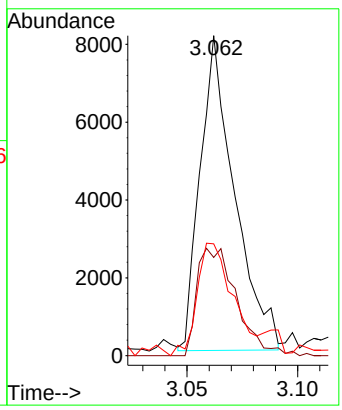


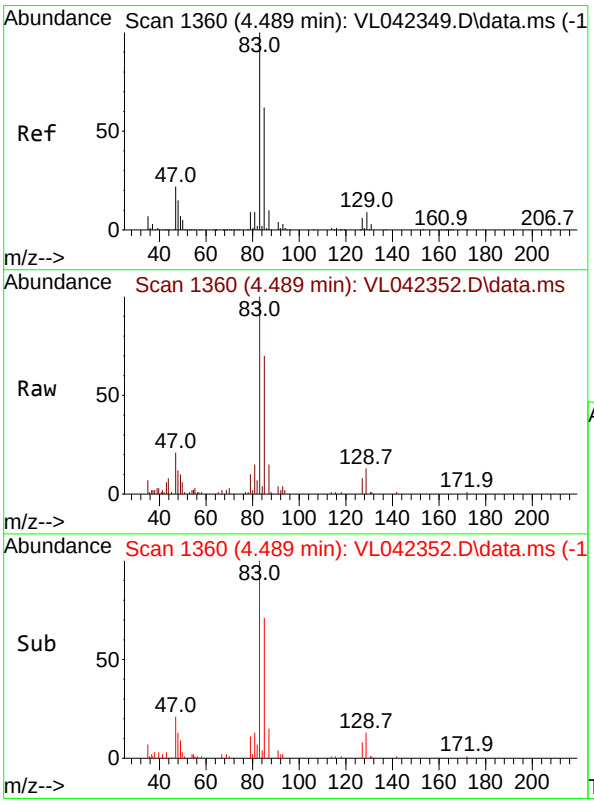
#41
Tetrahydrofuran
Concen: 0.544 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 8773

Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.3	48.5
71	44.9	31.4	47.2

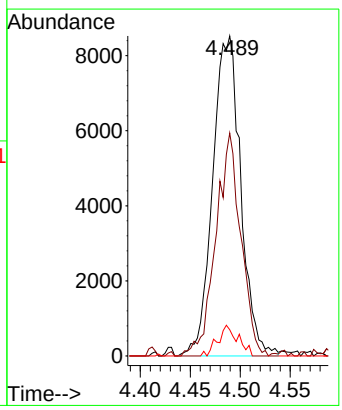


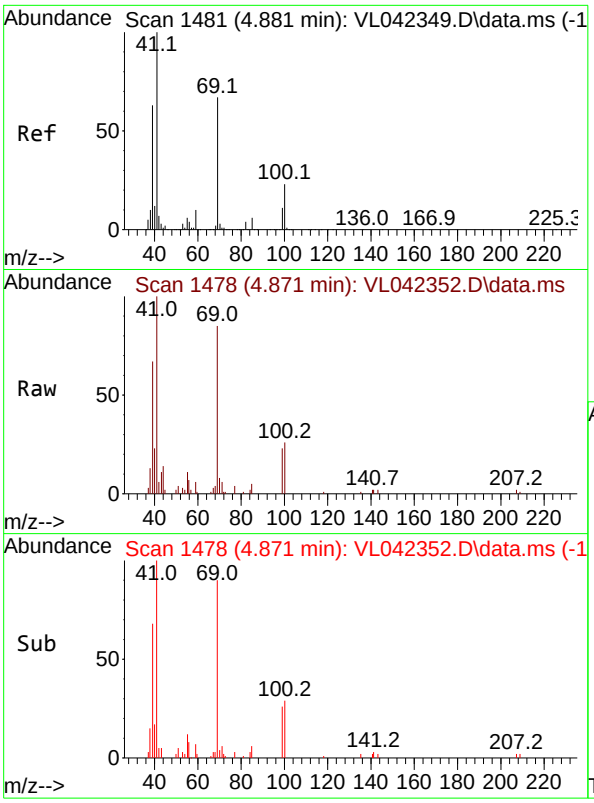


#42
Bromodichloromethane
Concen: 0.523 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 83 Resp: 16642

Ion	Ratio	Lower	Upper
83	100		
85	69.6	49.7	74.5
127	8.2	5.1	7.7#



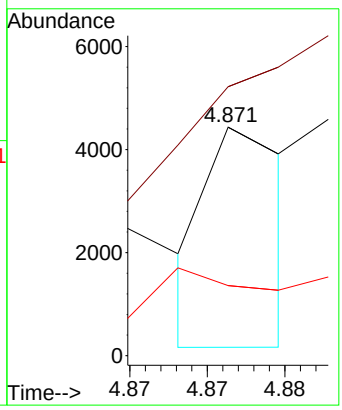


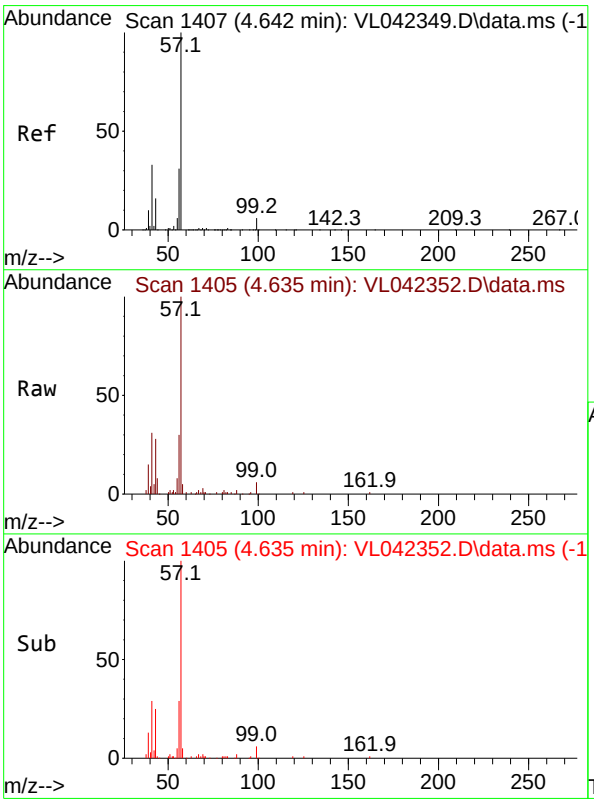
#43
Methyl Methacrylate
Concen: 0.091 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 1556

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	177.8#
100	0.0	28.2	42.2#

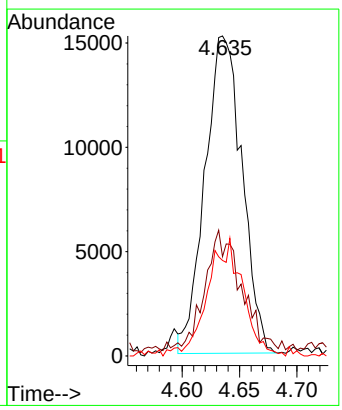


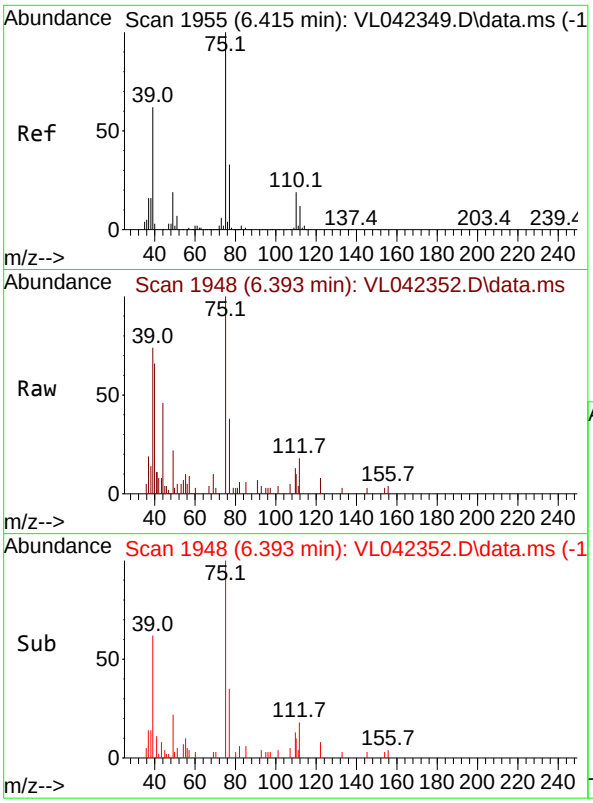


#44
2,2,4-Trimethylpentane
Concen: 0.519 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 57 Resp: 34170

Ion	Ratio	Lower	Upper
57	100		
41	39.1	27.2	40.8
56	37.1	25.7	38.5



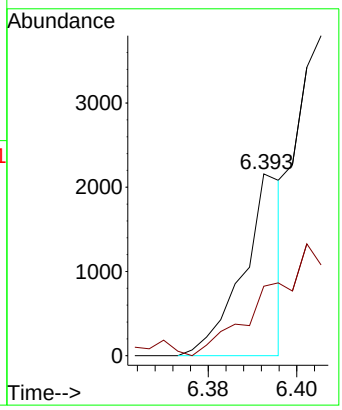


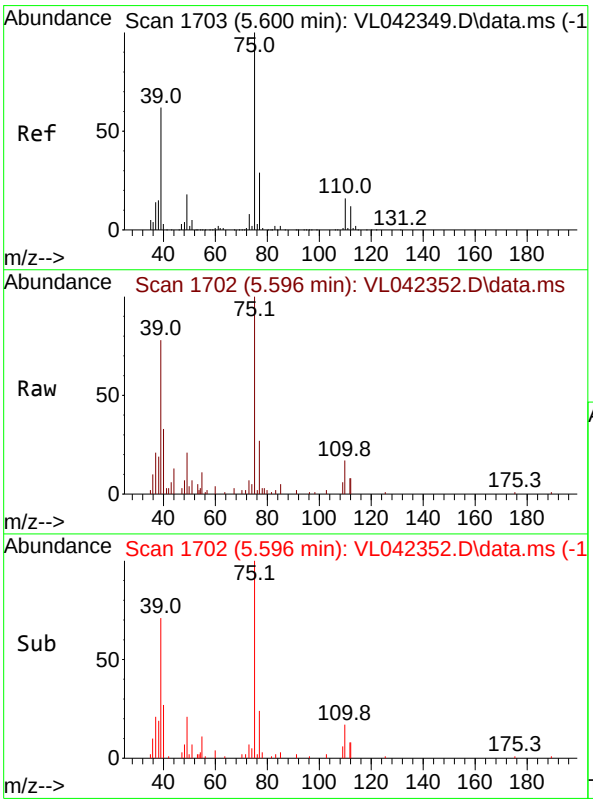
#45
t-1,3-Dichloropropene
Concen: 0.076 ppbv
RT: 6.393 min Scan# 1
Delta R.T. -0.023 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 1332

Ion	Ratio	Lower	Upper
75	100		
77	38.2	27.0	40.6

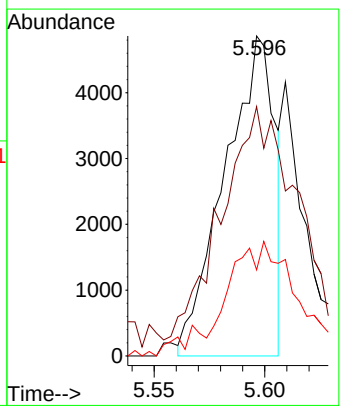


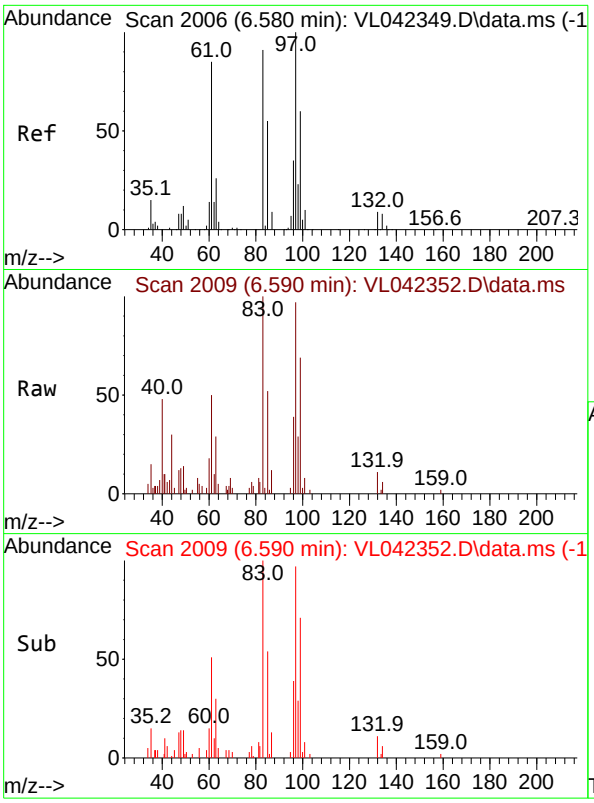


#46
cis-1,3-Dichloropropene
Concen: 0.356 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 75 Resp: 7634

Ion	Ratio	Lower	Upper
75	100		
39	67.9	50.0	75.0
77	21.6	23.0	34.6#



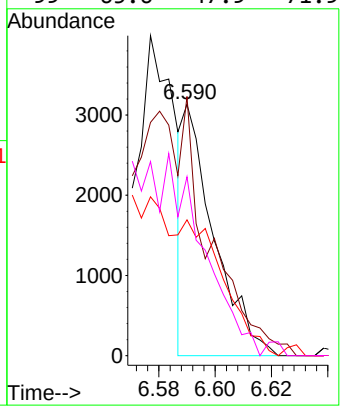


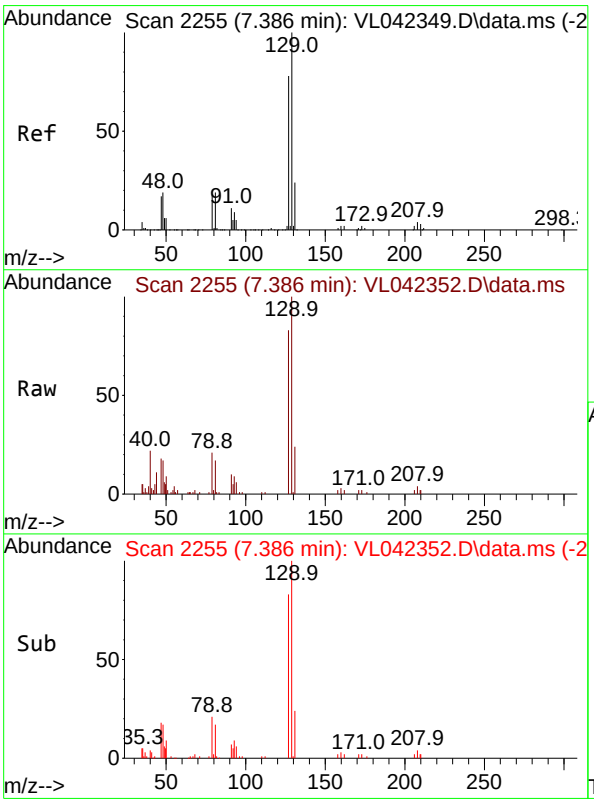
#47
1,1,2-Trichloroethane
Concen: 0.164 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 2374

Ion	Ratio	Lower	Upper
97	100		
83	98.5	72.8	109.2
85	54.0	44.2	66.4
99	65.6	47.9	71.9

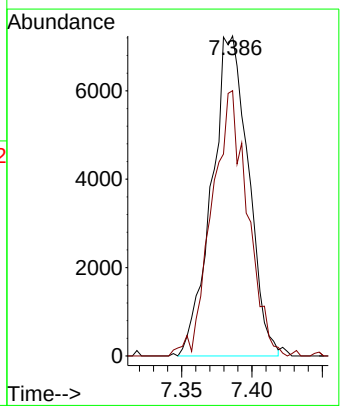


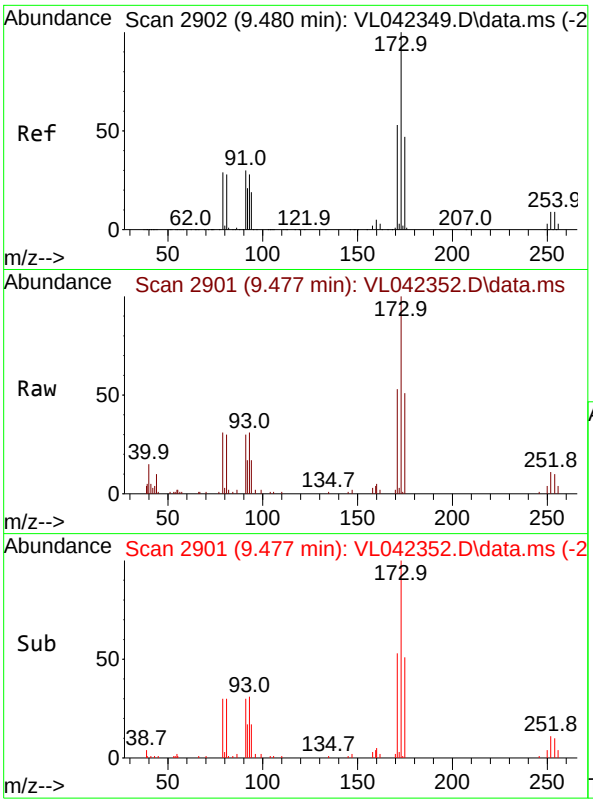


#48
Dibromochloromethane
Concen: 0.514 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:129 Resp: 13122

Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.1	117.3



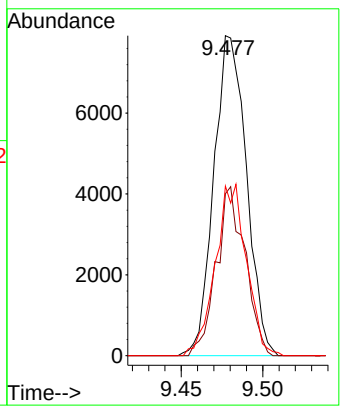


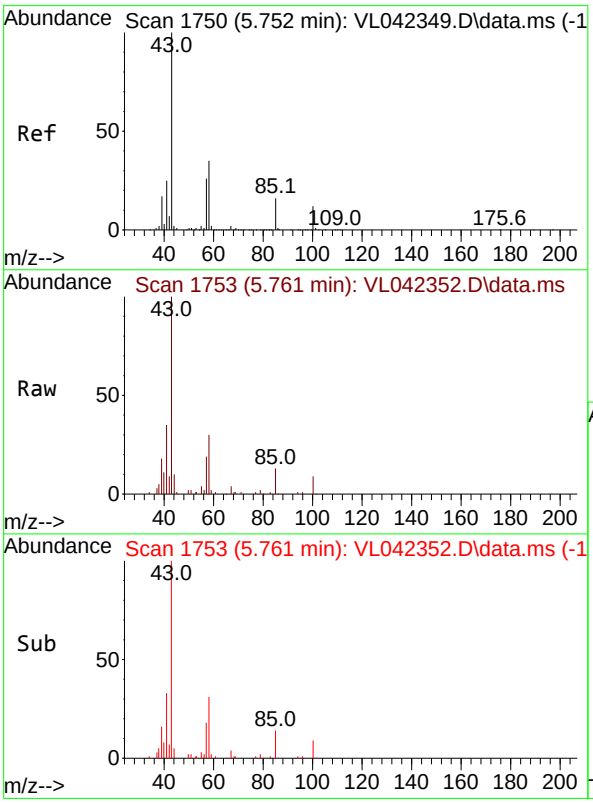
#49
Bromoform
Concen: 0.492 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 10988

Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.2	57.2
171	51.2	40.9	61.3

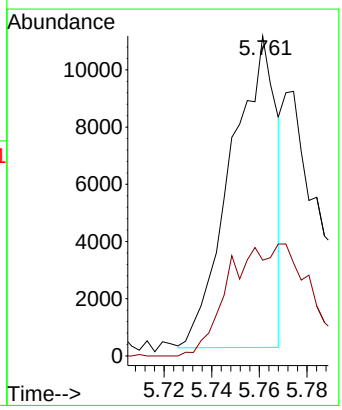


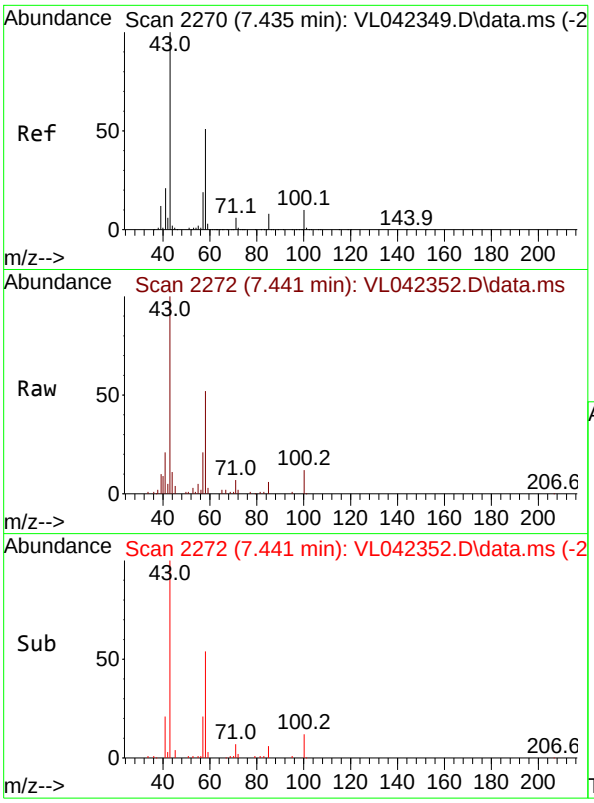


#50
4-Methyl-2-Pentanone
Concen: 0.309 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.010 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 43 Resp: 14380

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#



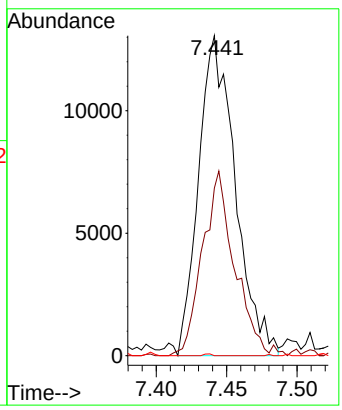


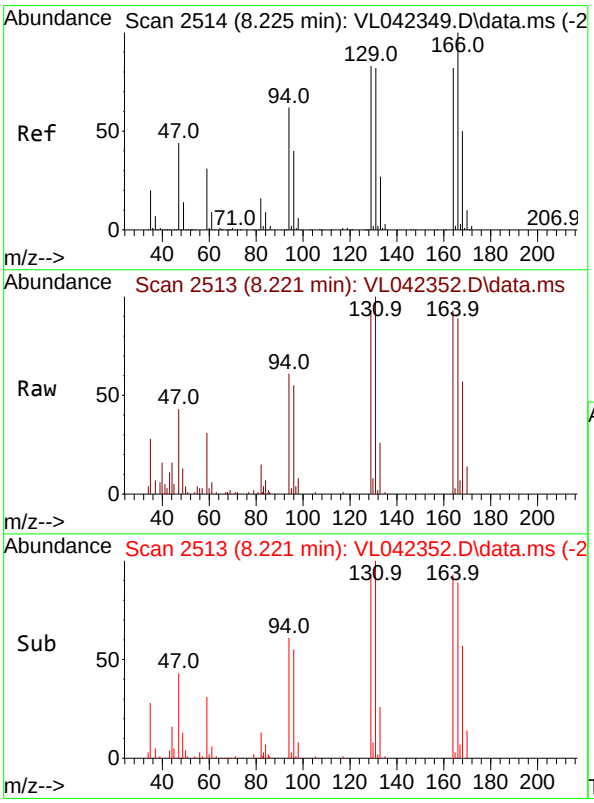
#51
2-Hexanone
Concen: 0.564 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 23684

Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.2	60.4
98	0.1	0.1	0.1

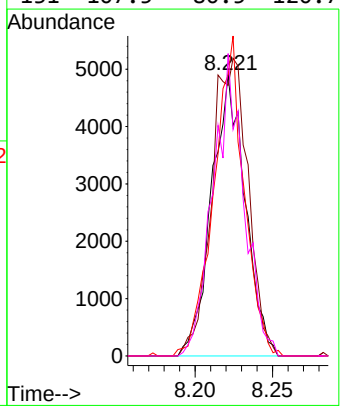


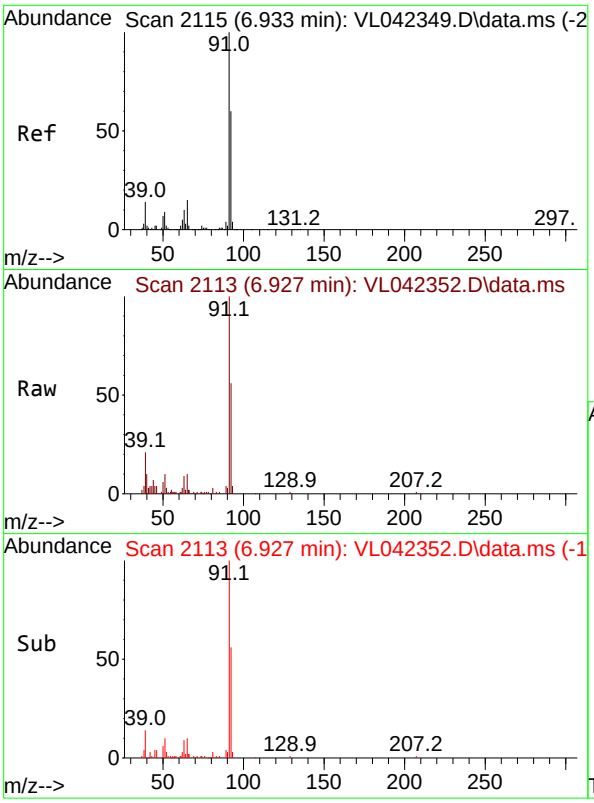


#52
Tetrachloroethene
Concen: 0.503 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:164 Resp: 7412

Ion	Ratio	Lower	Upper
164	100		
166	96.1	98.2	147.2#
129	97.8	81.8	122.8
131	107.5	80.5	120.7



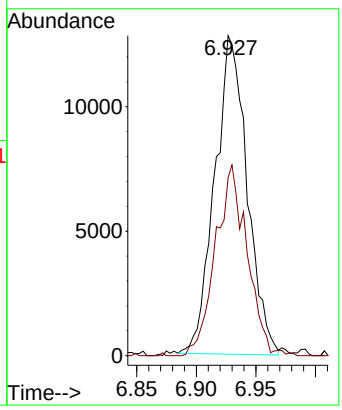


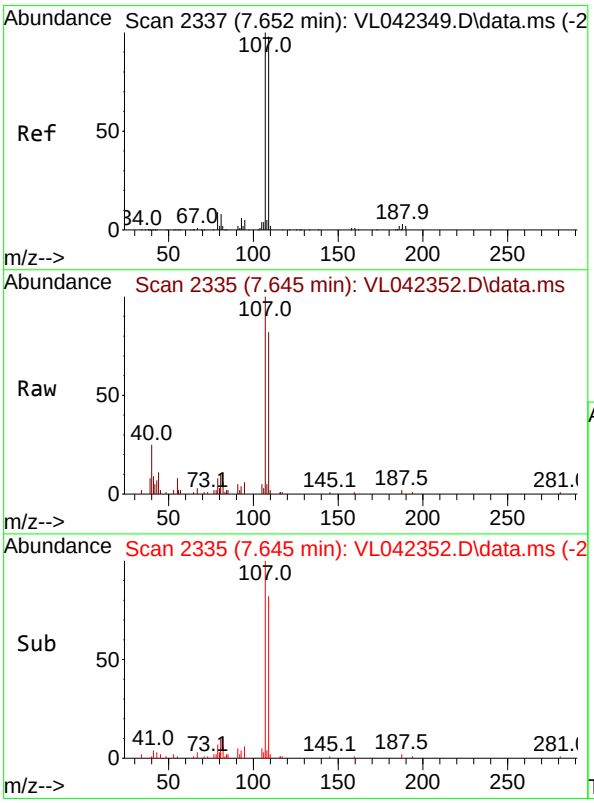
#53
Toluene
Concen: 0.529 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 24200

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.2	72.4

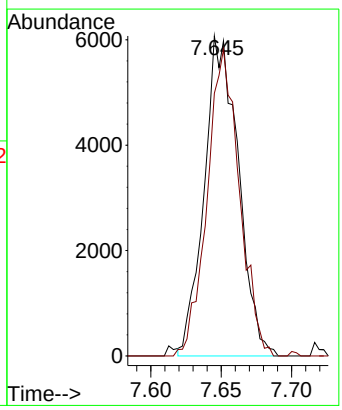


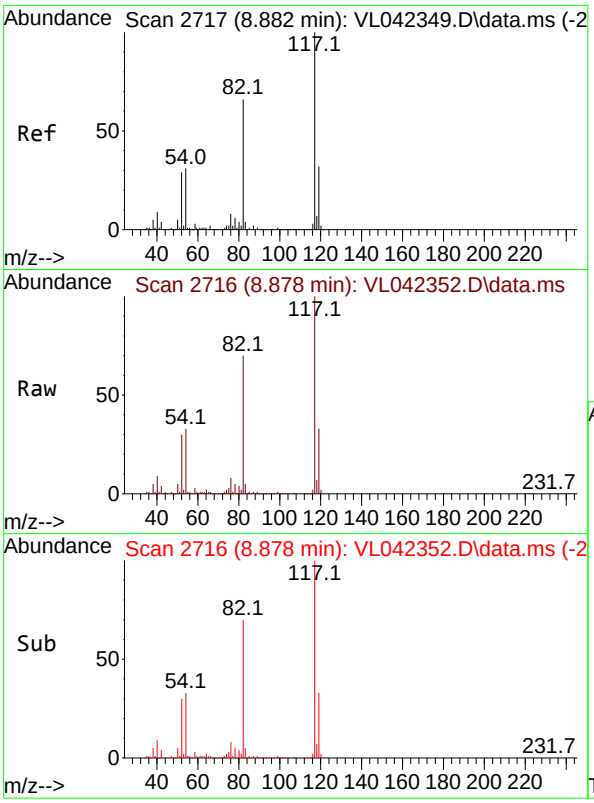


#54
1,2-Dibromoethane
Concen: 0.499 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:107 Resp: 10282

Ion	Ratio	Lower	Upper
107	100		
109	82.1	78.2	117.4



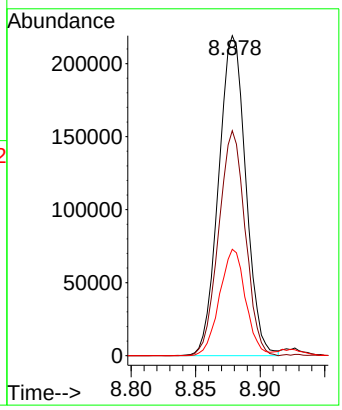


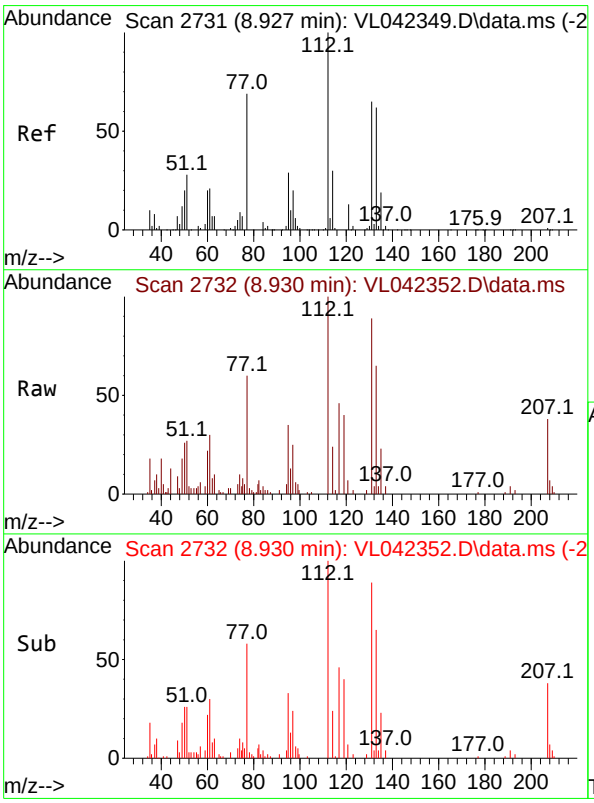
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 321644

Ion	Ratio	Lower	Upper
117	100		
82	69.0	57.8	86.6
119	33.8	25.2	37.8

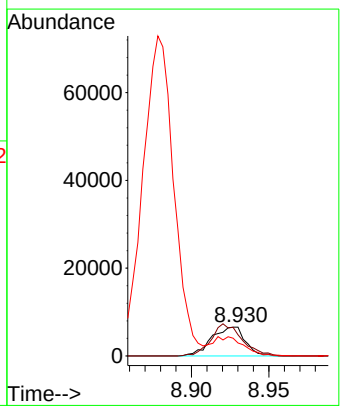


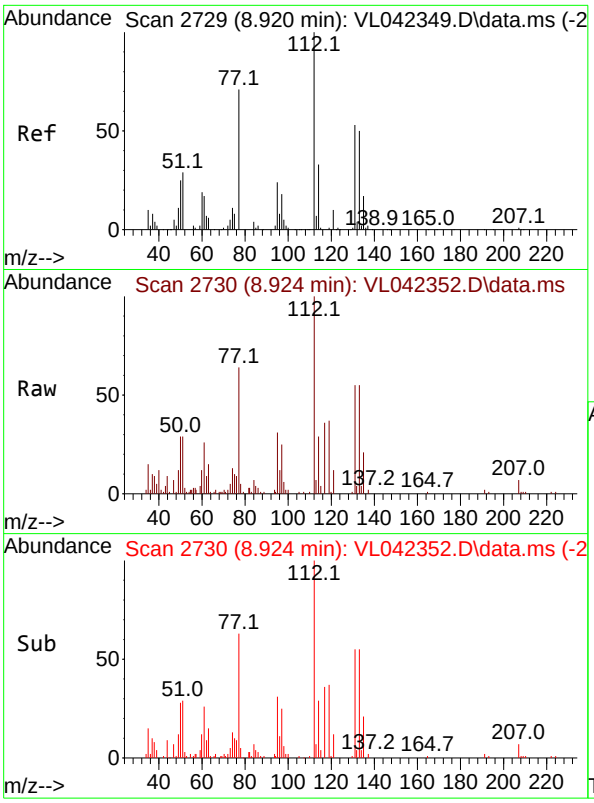


#56
1,1,1,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:131 Resp: 9987

Ion	Ratio	Lower	Upper
131	100		
133	102.0	78.3	117.5
119	1087.9	48.7	73.1#



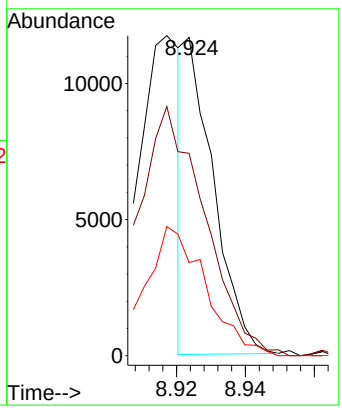


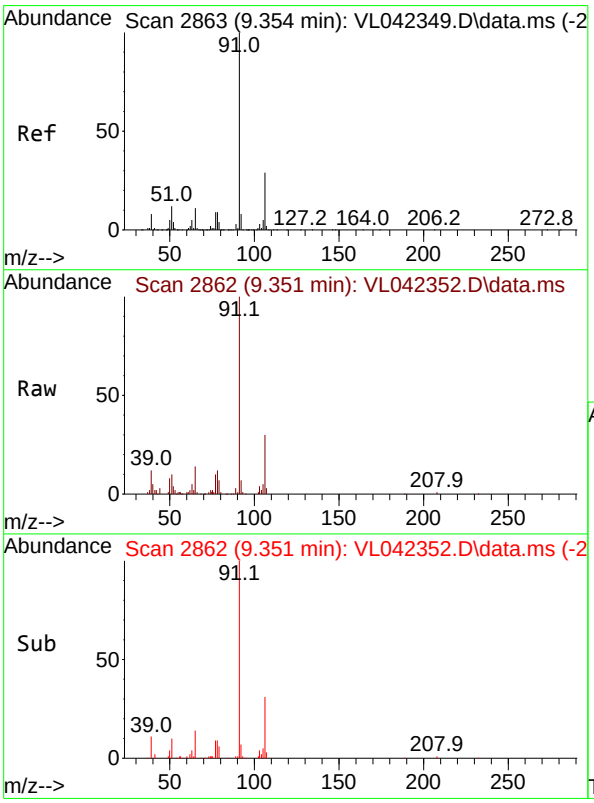
#57
Chlorobenzene
Concen: 0.206 ppbv
RT: 8.924 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 6884

Ion	Ratio	Lower	Upper
112	100		
77	62.1	57.8	86.6
114	29.5	29.3	35.9

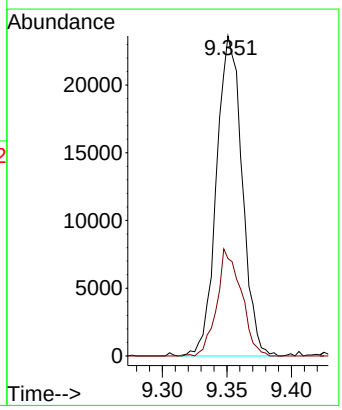


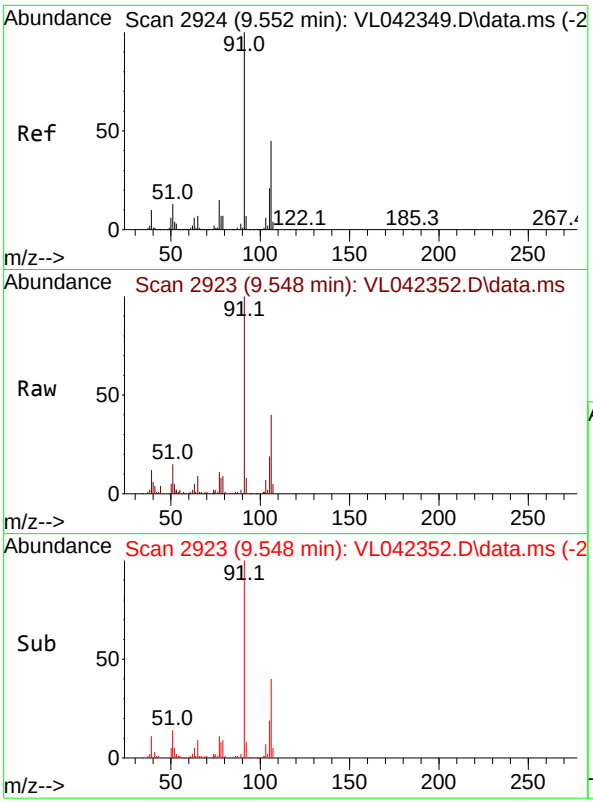


#58
Ethyl Benzene
Concen: 0.512 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 32624

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.0	34.4



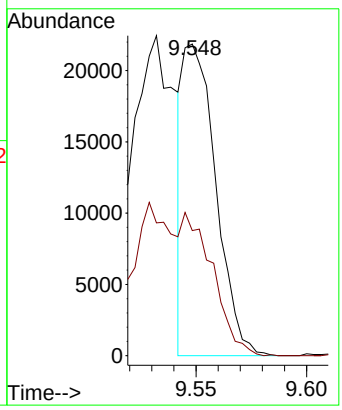


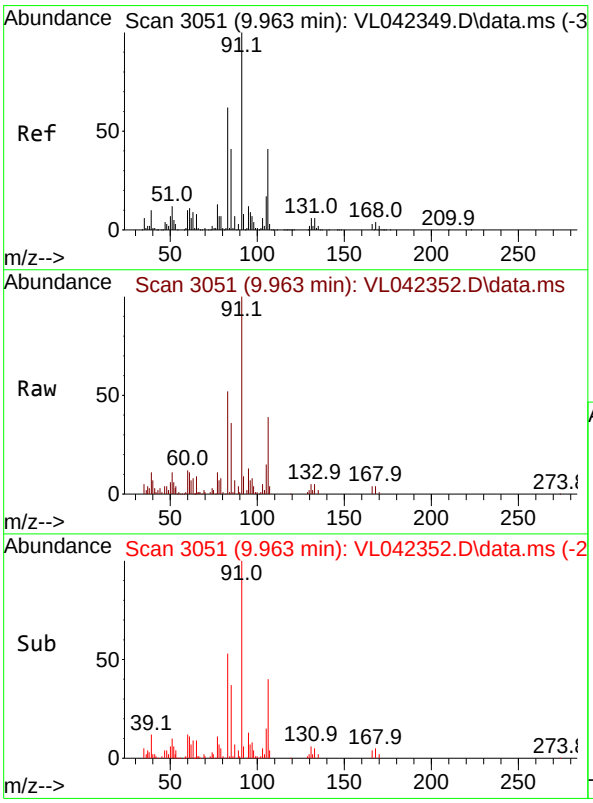
#59
m/p-Xylene
Concen: 0.439 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 22598

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

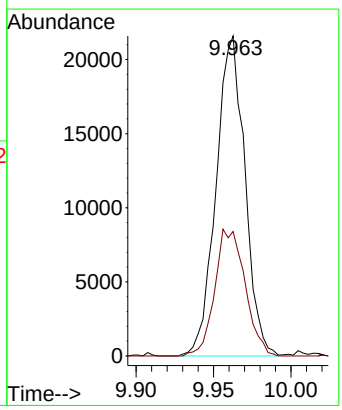


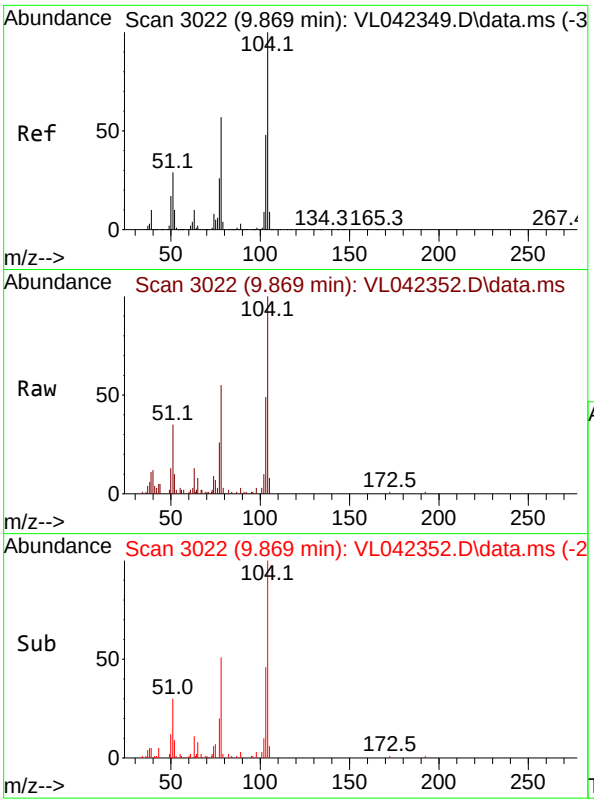


#60
o-Xylene
Concen: 0.541 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 27983

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.1	63.4



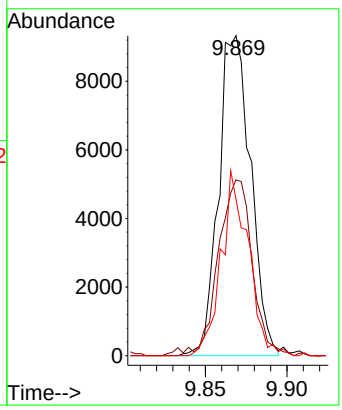


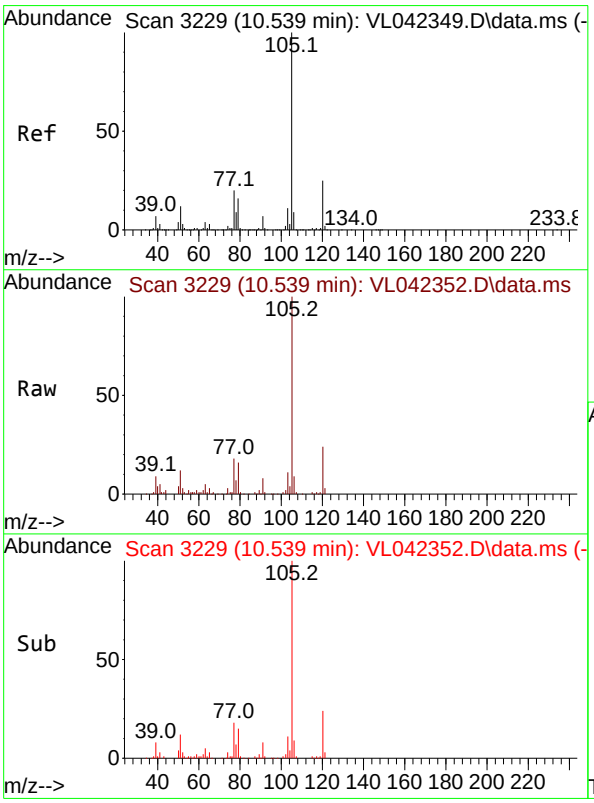
#61
Styrene
Concen: 0.516 ppbv
RT: 9.869 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 12736

Ion	Ratio	Lower	Upper
104	100		
78	58.6	44.6	66.8
103	49.2	37.4	56.0

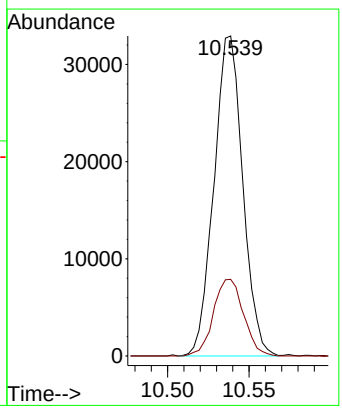


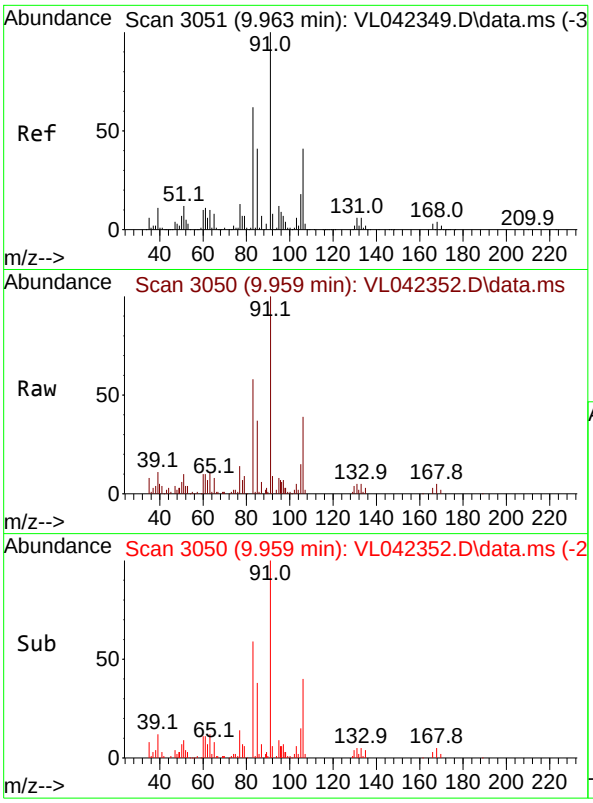


#62
Isopropylbenzene
Concen: 0.533 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 40481

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.8	29.8



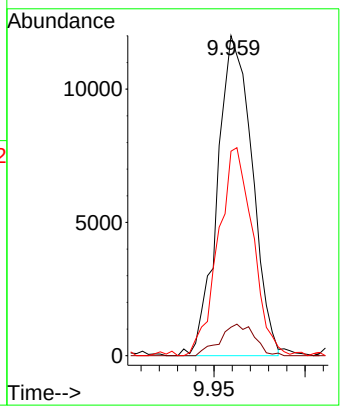


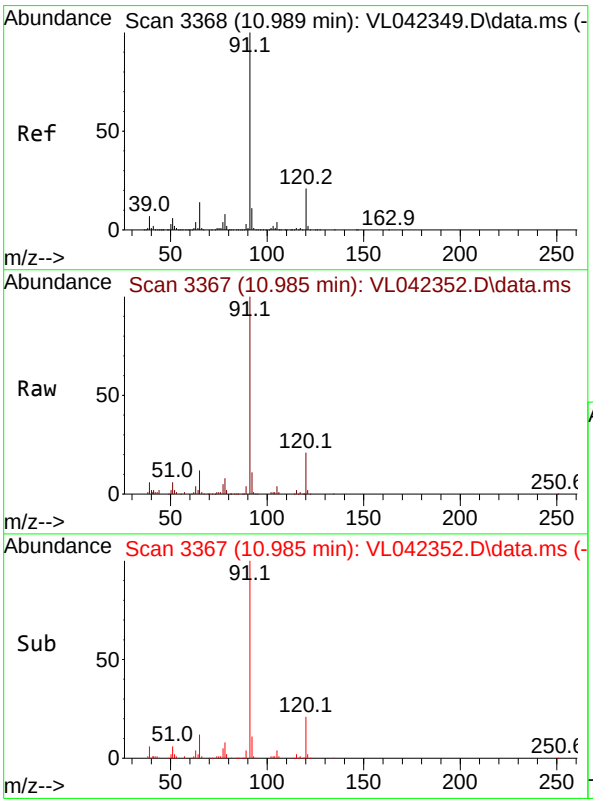
#63
1,1,2,2-Tetrachloroethane
Concen: 0.474 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 15920

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	65.6	32.4	97.0

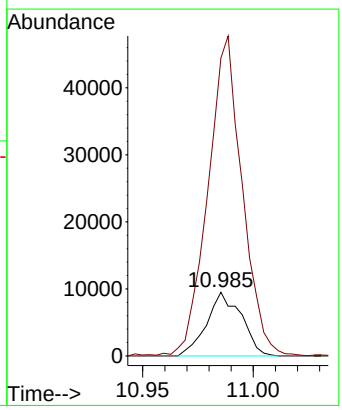


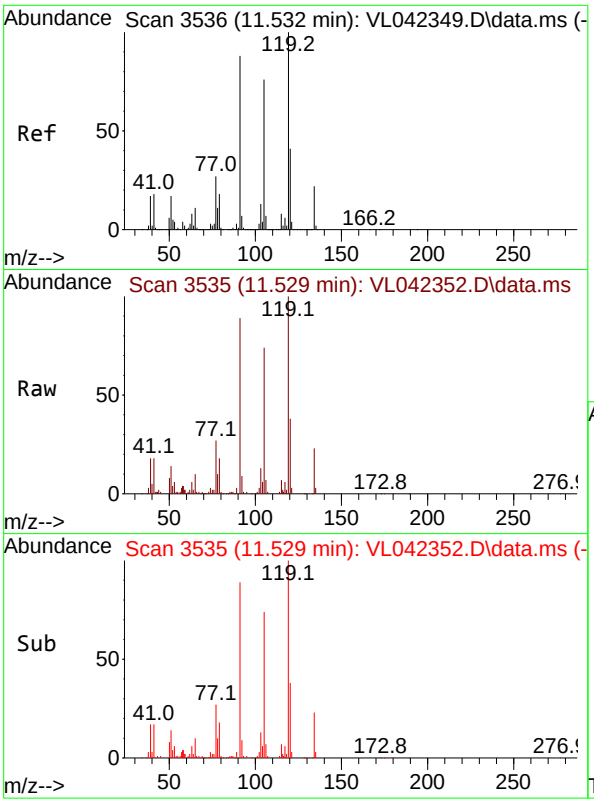


#64
n-propylbenzene
Concen: 0.544 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:120 Resp: 10369

Ion	Ratio	Lower	Upper
120	100		
91	499.6	392.4	588.6



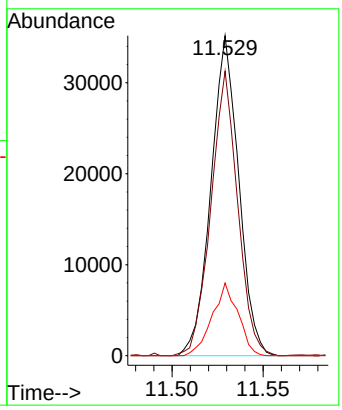


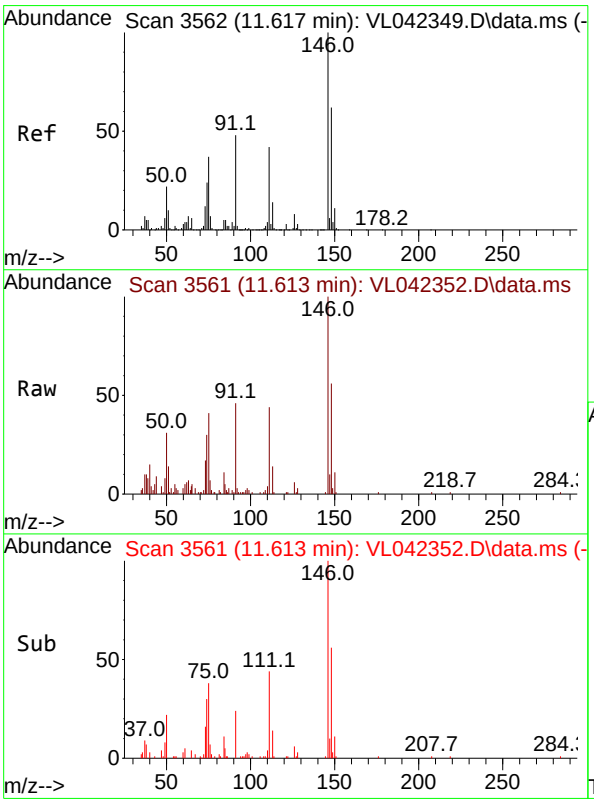
#65
tert-Butylbenzene
Concen: 0.535 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 37294

Ion	Ratio	Lower	Upper
119	100		
91	85.8	74.6	111.8
134	21.1	18.8	28.2

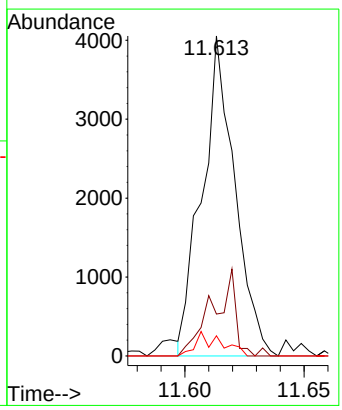


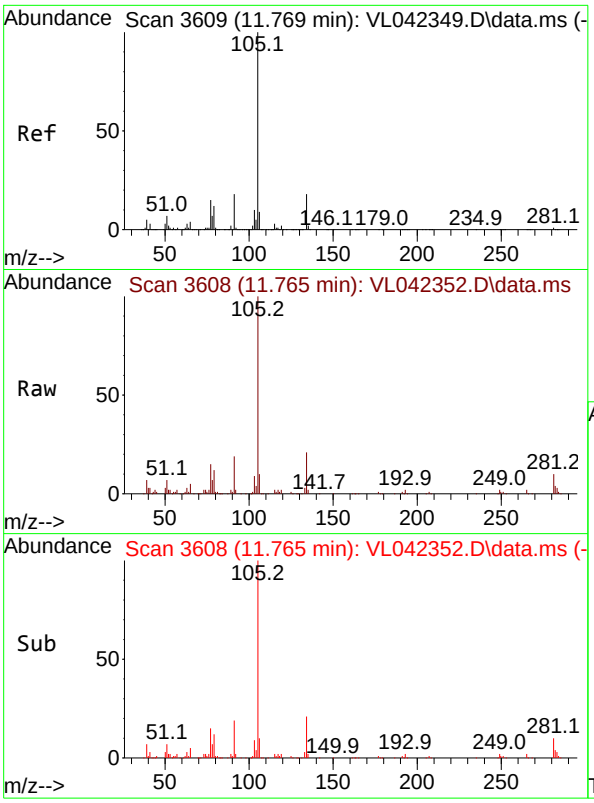


#66
Benzyl Chloride
Concen: 0.506 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 3878

Ion	Ratio	Lower	Upper
91	100		
126	19.8	11.8	17.6#
128	5.8	4.5	6.7



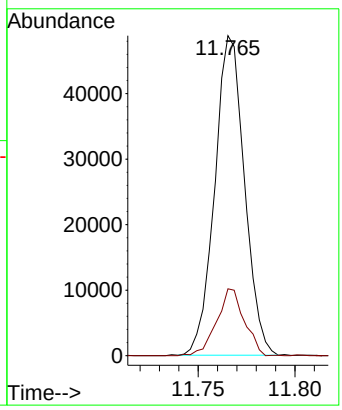


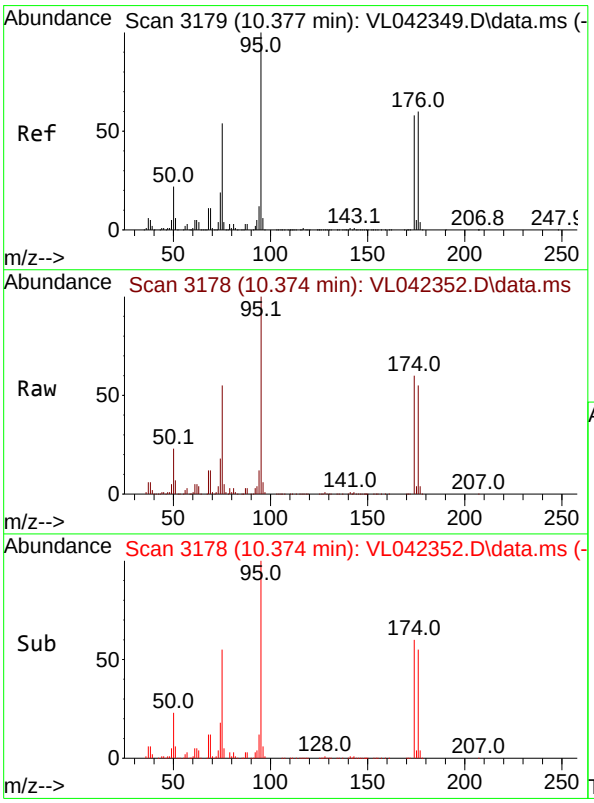
#67
sec-Butylbenzene
Concen: 0.537 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 52139

Ion	Ratio	Lower	Upper
105	100		
134	19.5	14.6	21.8

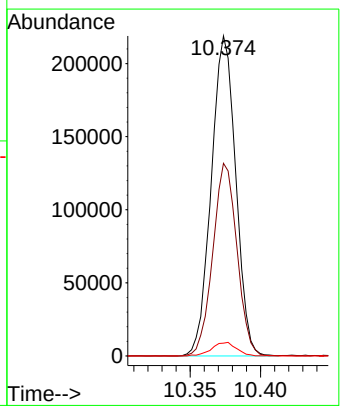


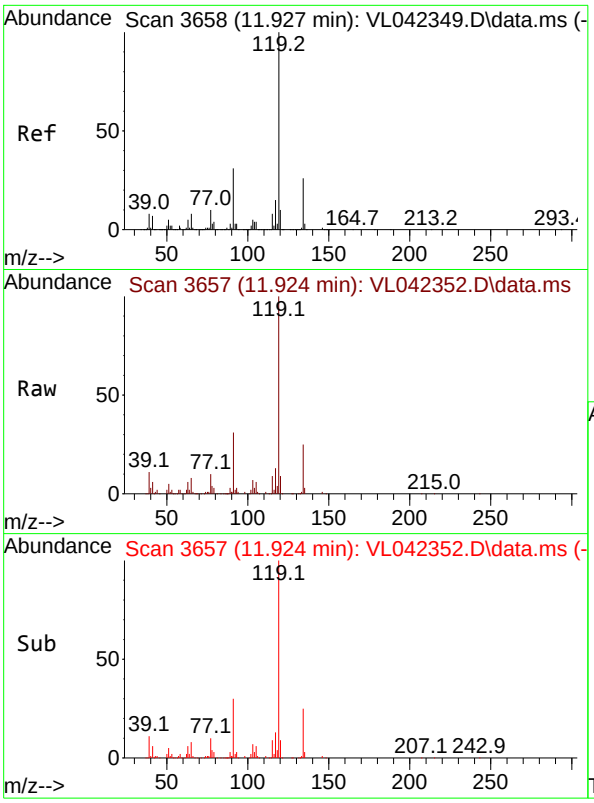


#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 95 Resp: 265161

Ion	Ratio	Lower	Upper
95	100		
174	59.4	48.5	72.7
175	4.3	3.7	5.5



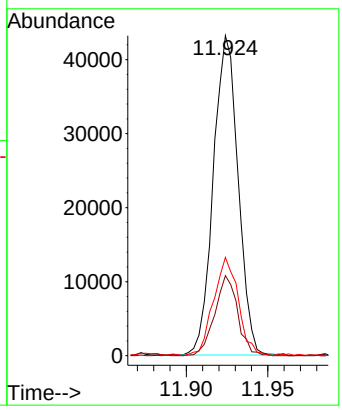


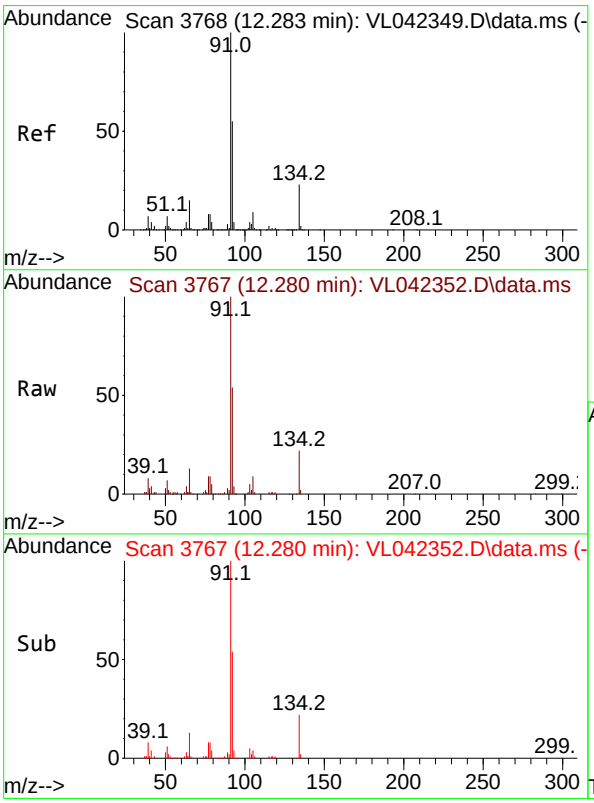
#69
p-Isopropyltoluene
Concen: 0.541 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 45574

Ion	Ratio	Lower	Upper
119	100		
134	23.3	20.0	30.0
91	31.4	24.4	36.6

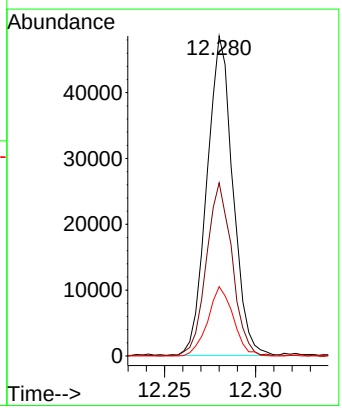


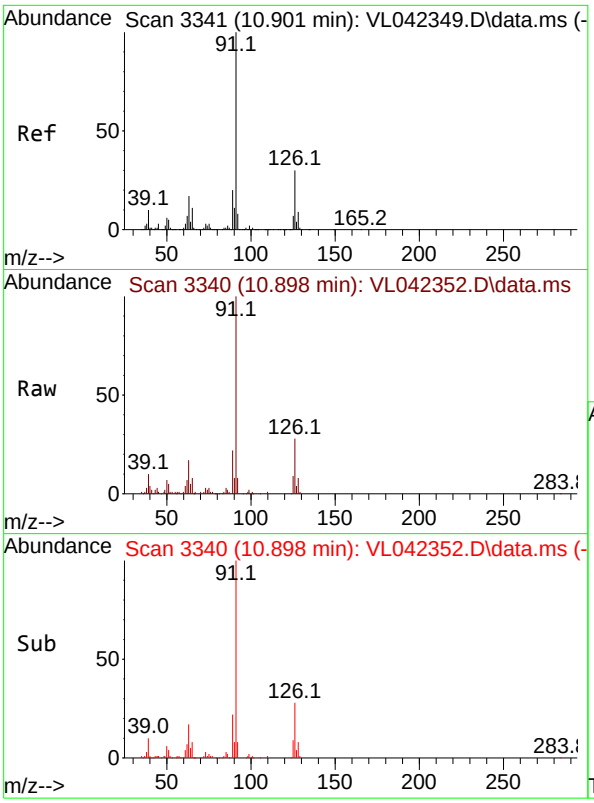


#70
n-Butylbenzene
Concen: 0.547 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion: 91 Resp: 48004

Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.2	66.4
134	21.4	18.2	27.4



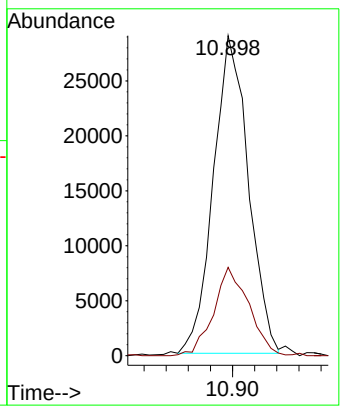


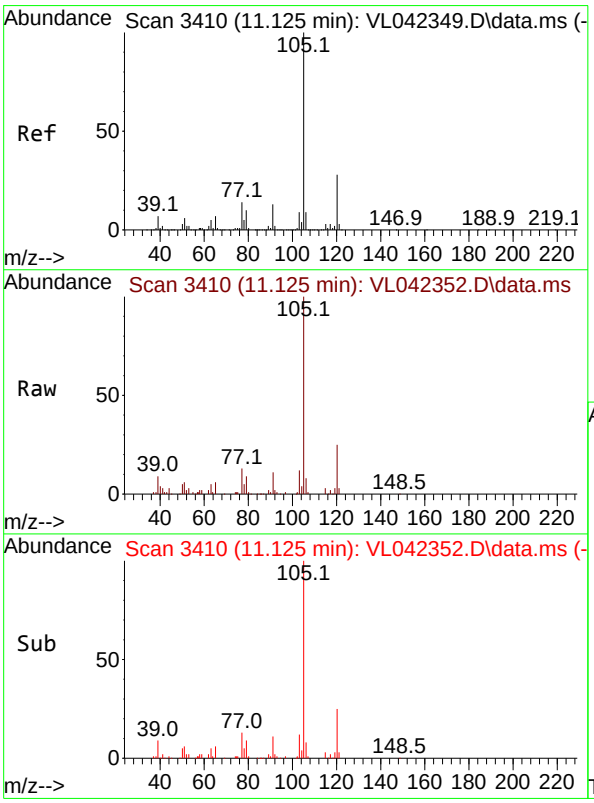
#71
2-Chlorotoluene
Concen: 0.533 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 31709

Ion	Ratio	Lower	Upper
91	100		
126	28.3	11.4	45.4

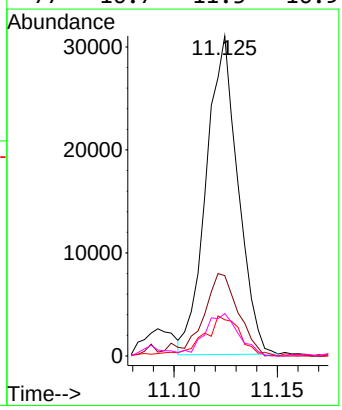


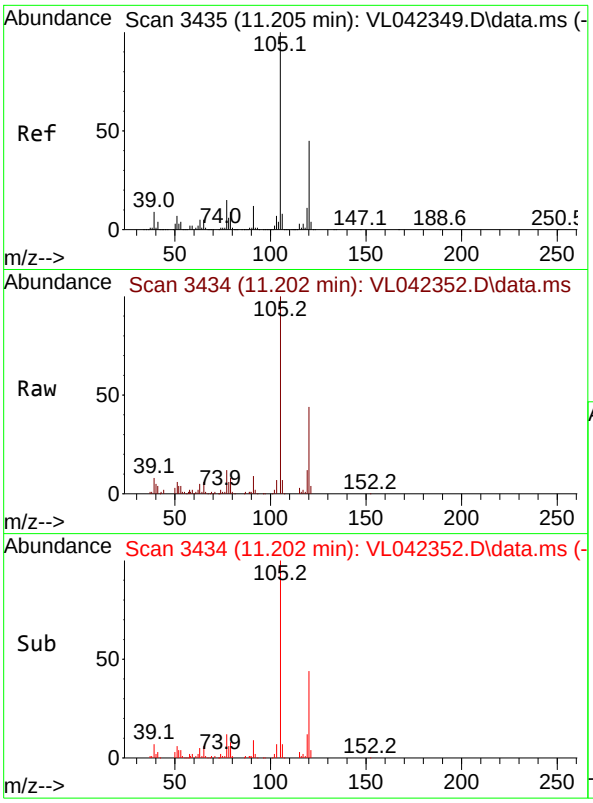


#72
4-Ethyltoluene
Concen: 0.523 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 33048

Ion	Ratio	Lower	Upper
105	100		
120	30.5	23.2	34.8
91	15.7	10.4	15.6#
77	16.7	11.3	16.9



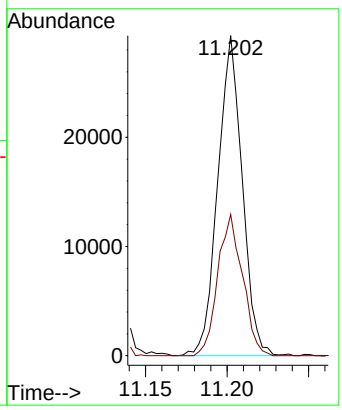


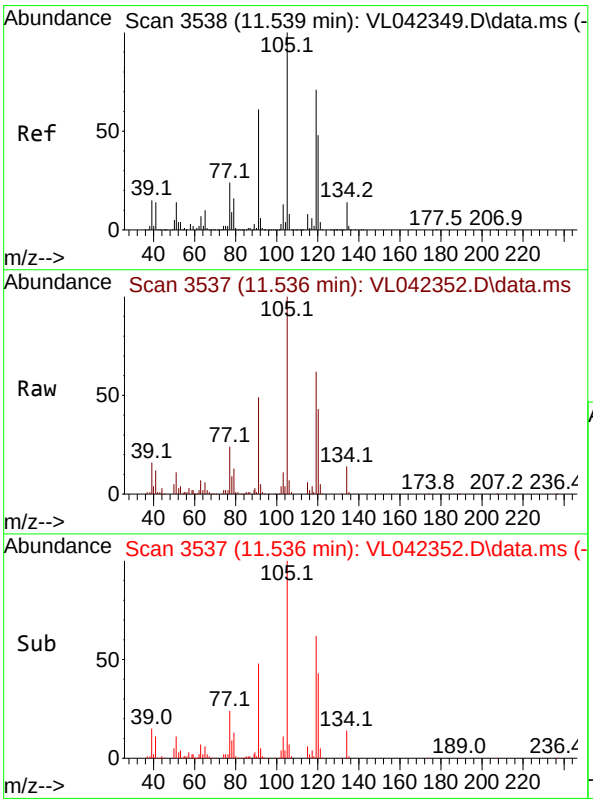
#73
1,3,5-Trimethylbenzene
Concen: 0.546 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 30464

Ion	Ratio	Lower	Upper
105	100		
120	44.1	35.6	53.4

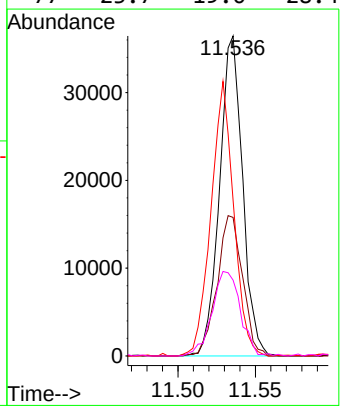


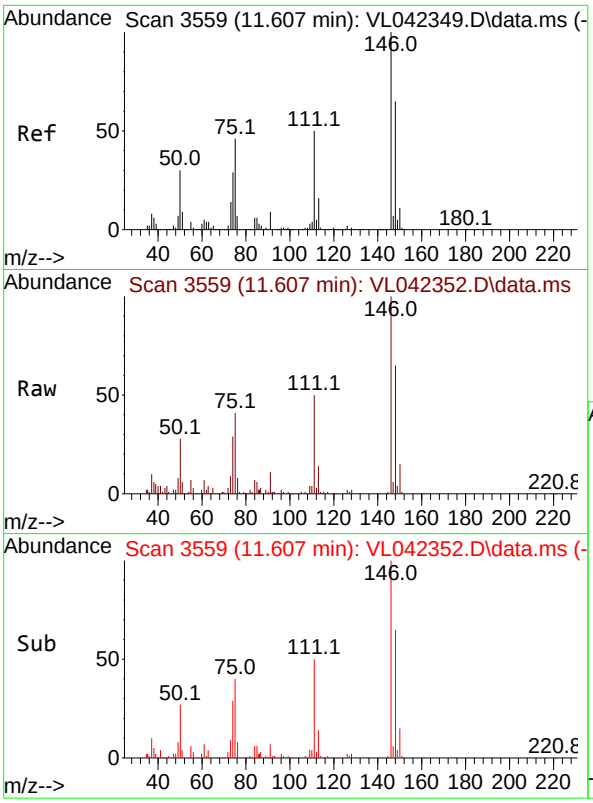


#74
1,2,4-Trimethylbenzene
Concen: 0.579 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:105 Resp: 37765

Ion	Ratio	Lower	Upper
105	100		
120	43.3	38.1	57.1
91	48.7	48.8	73.2#
77	23.7	19.0	28.4



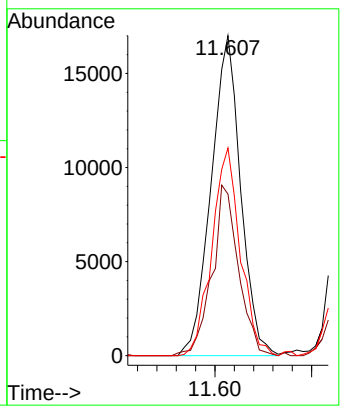


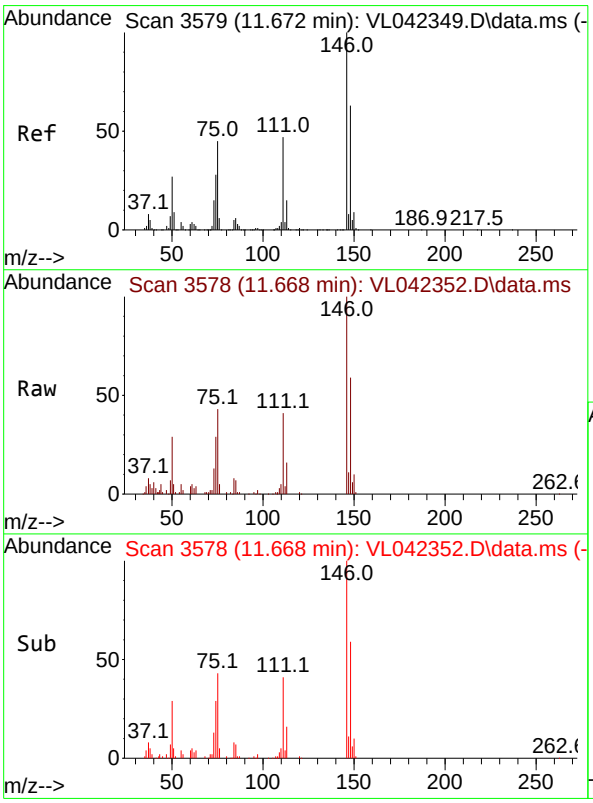
#75
1,3-Dichlorobenzene
Concen: 0.531 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 18003

Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.3	72.8
148	62.9	31.6	94.8

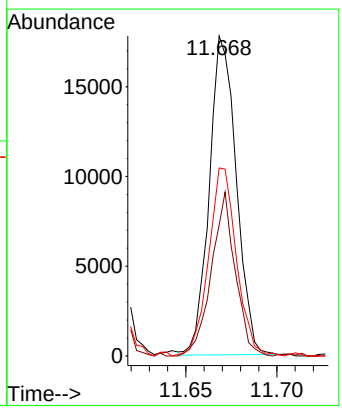


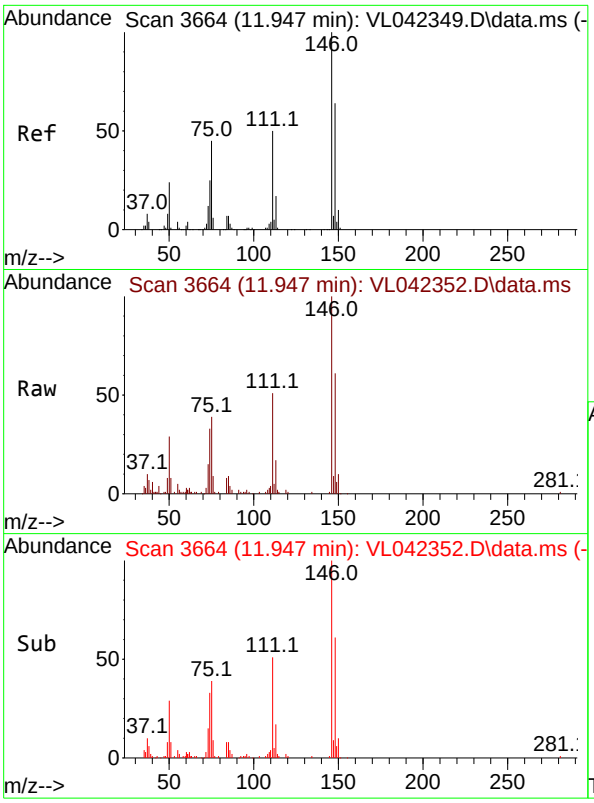


#76
1,4-Dichlorobenzene
Concen: 0.537 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:146 Resp: 18300

Ion	Ratio	Lower	Upper
146	100		
111	45.9	24.2	72.6
148	61.2	32.1	96.5



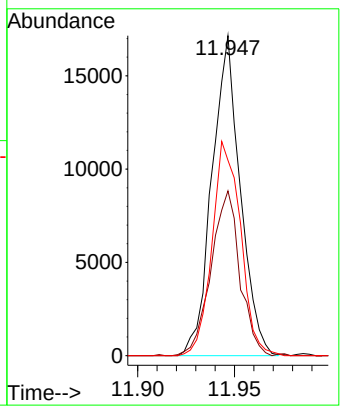


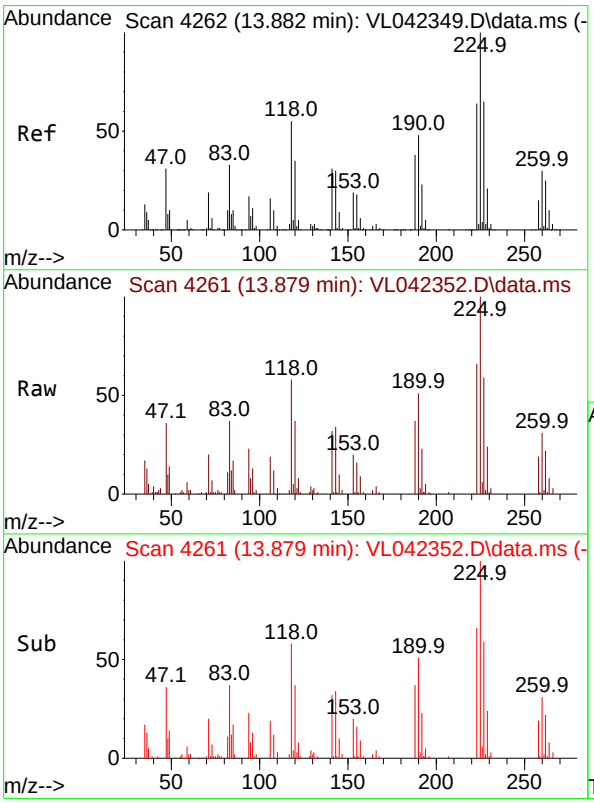
#77
1,2-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 17446

Ion	Ratio	Lower	Upper
146	100		
111	52.6	25.3	75.9
148	67.5	31.5	94.5

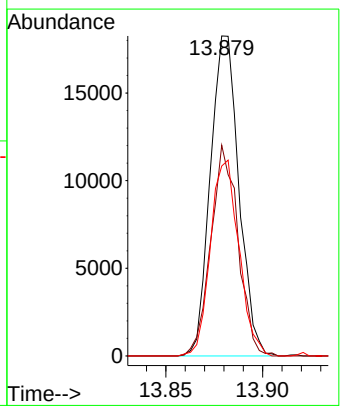


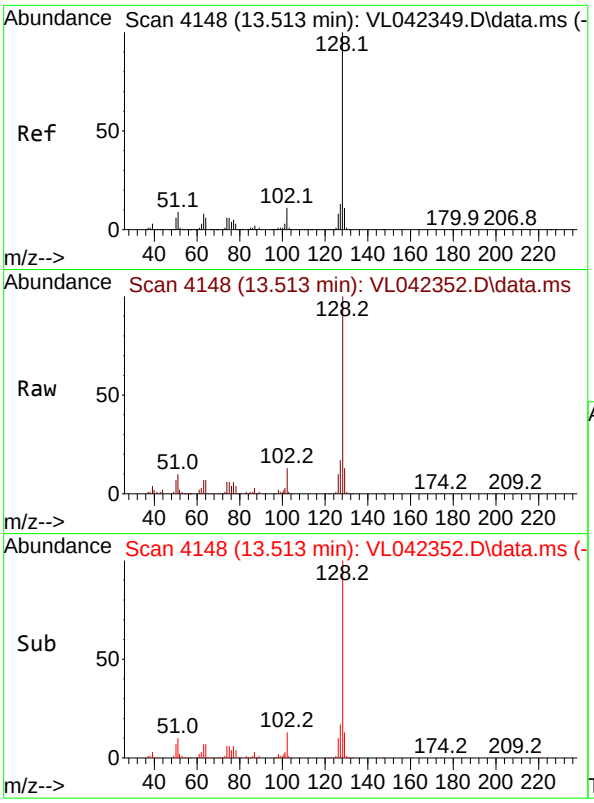


#78
Hexachloro-1,3-Butadiene
Concen: 0.562 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:225 Resp: 18705

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	61.1	51.5	77.3



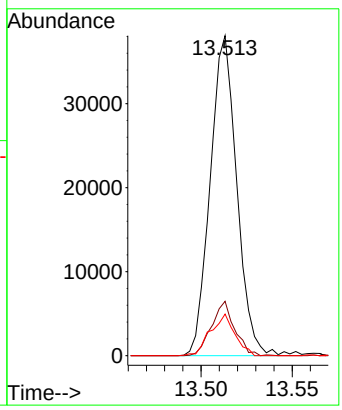


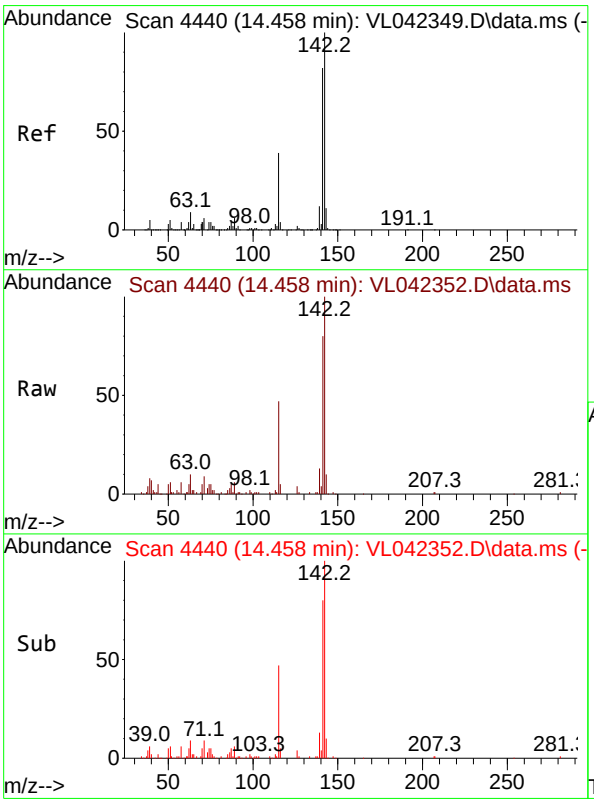
#79
Naphthalene
Concen: 0.494 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 38521

Ion	Ratio	Lower	Upper
128	100		
127	17.0	10.6	15.8#
129	13.0	8.6	12.8#

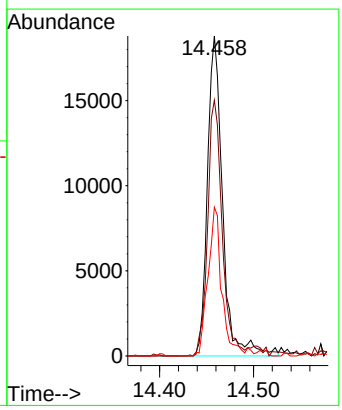


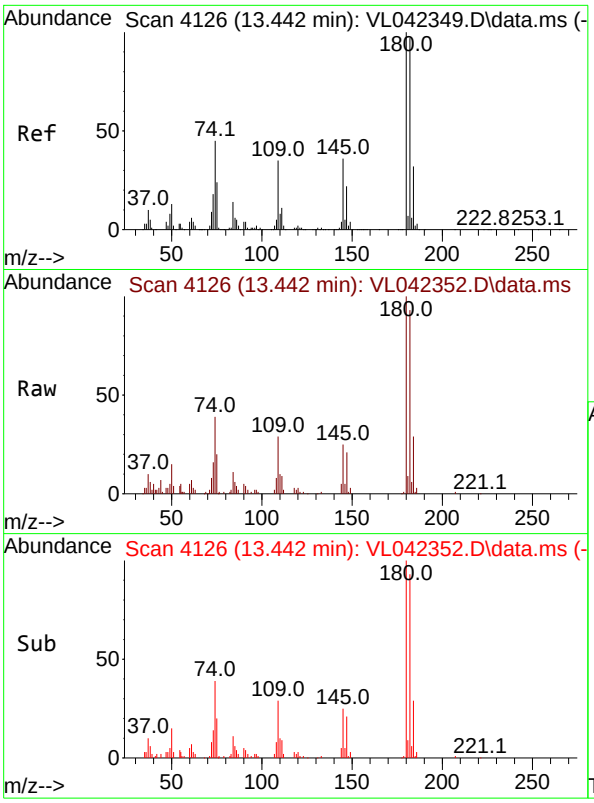


#80
Naphthalene,2-methyl-
Concen: 0.475 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Tgt Ion:142 Resp: 21076

Ion	Ratio	Lower	Upper
142	100		
141	79.2	66.8	100.2
115	44.1	33.4	50.2



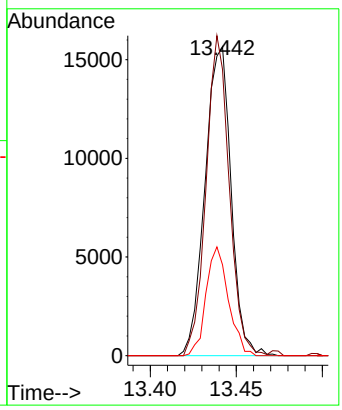


#81
1,2,4-Trichlorobenzene
Concen: 0.493 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042352.D
Acq: 17 Apr 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 16504

Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.8	115.2
184	30.2	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.791	49	119461	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	350484	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	315004	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.381	95	256417	9.906	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	2857	0.135	ppbv		98
3) Chlorodifluoromethane	1.477	51	2706	0.135	ppbv	#	91
4) Chloromethane	1.535	50	1225	0.147	ppbv	#	85
5) Vinyl Chloride	1.580	62	1088	0.120	ppbv	#	74
6) Bromomethane	1.668	94	663	0.168	ppbv	#	72
7) Chloroethane	1.703	64	579	0.176	ppbv	#	78
8) Dichlorotetrafluoroethane	1.557	85	2377	0.131	ppbv		94
9) Propene	1.435	41	314	0.034	ppbv		90
10) Heptane	4.988	43	1056	0.043	ppbv	#	1
12) 1,1,2-Trichlorotrifluo...	2.140	101	2017	0.123	ppbv		94
13) Ethanol	1.891	45	1958	2.618	ppbv	#	24
14) Bromoethene	1.781	108	1015	0.164	ppbv	#	77
15) Acetone	1.839	43	4783	0.245	ppbv	#	82
16) 1,3-Butadiene	1.609	39	1776	0.193	ppbv	#	46
17) tert-Butyl alcohol	2.049	59	3130	0.129	ppbv	#	6
18) 1,1-Dichloroethene	2.037	96	1074	0.136	ppbv		85
19) Isopropyl Alcohol	1.891	45	1958	0.180	ppbv		90
20) Methylene Chloride	2.066	84	2741	0.358	ppbv	#	74
21) Allyl Chloride	2.098	41	2786	0.206	ppbv	#	72
22) trans-1,2-Dichloroethene	2.347	96	1201	0.138	ppbv	#	60
23) Vinyl Acetate	2.457	43	326	0.041	ppbv	#	77
24) 1,1-Dichloroethane	2.412	63	2169	0.131	ppbv	#	78
26) Hexane	2.833	57	3260	0.167	ppbv	#	1
27) Carbon Disulfide	2.150	76	2396	0.115	ppbv	#	1
28) Methyl tert-Butyl Ether	2.448	73	1460	0.114	ppbv	#	1
29) Chloroform	2.849	83	3542	0.128	ppbv		100
30) Cyclohexane	3.859	84	1037	0.066	ppbv	#	1
32) 1,1,1-Trichloroethane	3.373	97	1734	0.059	ppbv	#	20
34) 2-Butanone	2.564	43	3506	0.126	ppbv	#	79
35) Carbon Tetrachloride	3.771	117	3204	0.101	ppbv	#	94
36) Benzene	3.665	78	4424	0.117	ppbv		97
37) 1,2-Dichloroethane	3.224	62	2523	0.111	ppbv	#	81
38) Trichloroethene	4.551	130	1113	0.067	ppbv	#	63
39) 1,2-Dichloropropane	4.315	63	1007	0.071	ppbv		96
40) 1,4-Dioxane	4.616	88	431	0.056	ppbv	#	1
42) Bromodichloromethane	4.496	83	2443	0.077	ppbv	#	89
43) Methyl Methacrylate	4.894	69	1683	0.099	ppbv	#	60
44) 2,2,4-Trimethylpentane	4.648	57	2115	0.032	ppbv	#	42
45) t-1,3-Dichloropropene	6.429	75	748	0.043	ppbv		98
46) cis-1,3-Dichloropropene	5.610	75	1032	0.048	ppbv		90
47) 1,1,2-Trichloroethane	6.584	97	540	0.038	ppbv	#	39
48) Dibromochloromethane	7.393	129	1149	0.045	ppbv	#	1
49) Bromoform	9.484	173	1973	0.089	ppbv	#	86

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

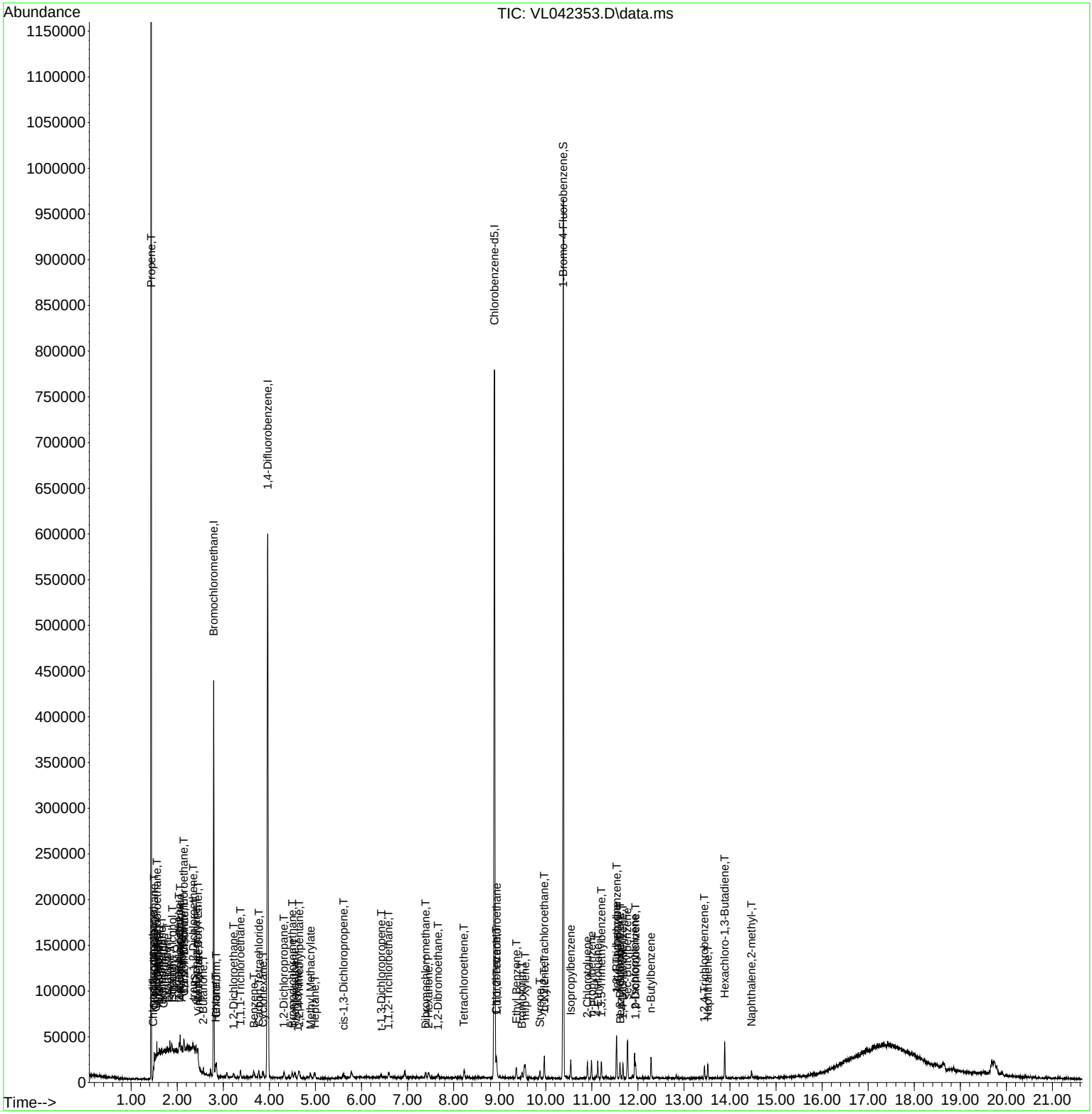
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) 2-Hexanone	7.455	43	4915	0.118	ppbv	#	99
52) Tetrachloroethene	8.222	164	957	0.065	ppbv		88
54) 1,2-Dibromoethane	7.662	107	1470	0.072	ppbv	#	75
56) 1,1,1,2-Tetrachloroethane	8.934	131	2031	0.107	ppbv	#	47
57) Chlorobenzene	8.924	112	3842	0.117	ppbv	#	76
58) Ethyl Benzene	9.361	91	3105	0.050	ppbv		95
59) m/p-Xylene	9.552	91	4844	0.096	ppbv	#	32
60) o-Xylene	9.970	91	5359	0.106	ppbv		91
61) Styrene	9.872	104	1549	0.064	ppbv	#	26
62) Isopropylbenzene	10.542	105	8285	0.111	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.966	83	3646	0.111	ppbv		97
64) n-propylbenzene	10.996	120	2186	0.117	ppbv		93
65) tert-Butylbenzene	11.536	119	8656	0.127	ppbv		85
66) Benzyl Chloride	11.617	91	414	0.055	ppbv	#	81
67) sec-Butylbenzene	11.769	105	11126	0.117	ppbv		96
69) p-Isopropyltoluene	11.928	119	9534	0.115	ppbv		98
70) n-Butylbenzene	12.284	91	8684	0.101	ppbv		96
71) 2-Chlorotoluene	10.905	91	6703	0.115	ppbv		99
72) 4-Ethyltoluene	11.128	105	6463	0.104	ppbv	#	80
73) 1,3,5-Trimethylbenzene	11.206	105	6797	0.124	ppbv		96
74) 1,2,4-Trimethylbenzene	11.539	105	8745	0.137	ppbv	#	81
75) 1,3-Dichlorobenzene	11.610	146	3258	0.098	ppbv		85
76) 1,4-Dichlorobenzene	11.678	146	3366	0.101	ppbv		92
77) 1,2-Dichlorobenzene	11.950	146	3996	0.124	ppbv		93
78) Hexachloro-1,3-Butadiene	13.883	225	4030	0.124	ppbv		97
79) Naphthalene	13.517	128	7664	0.100	ppbv	#	92
80) Naphthalene,2-methyl-	14.468	142	3339	0.077	ppbv	#	92
81) 1,2,4-Trichlorobenzene	13.442	180	2245	0.069	ppbv	#	95

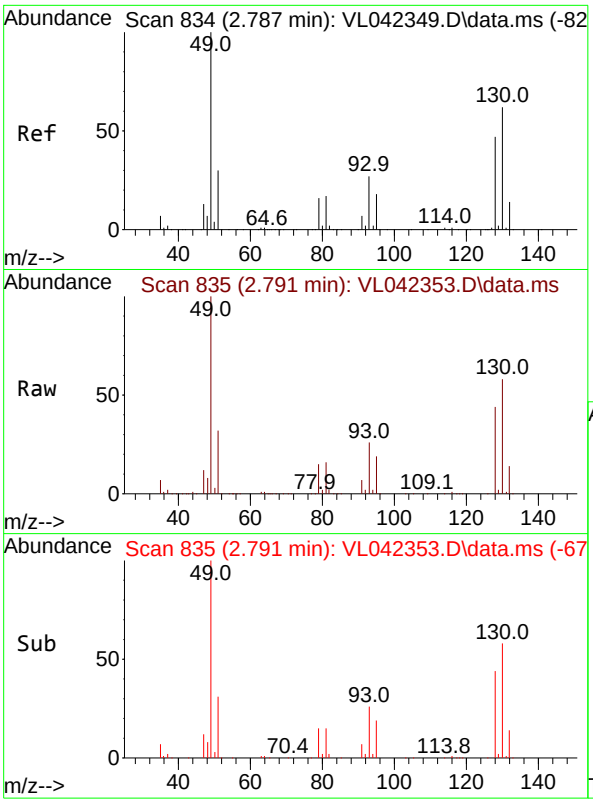
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042353.D
Acq On : 17 Apr 2025 11:50
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



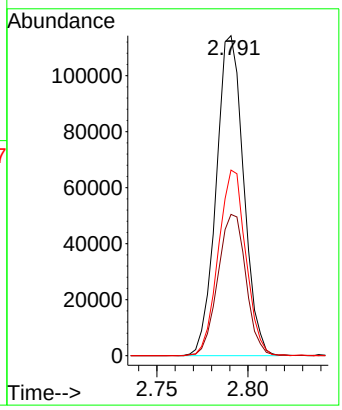


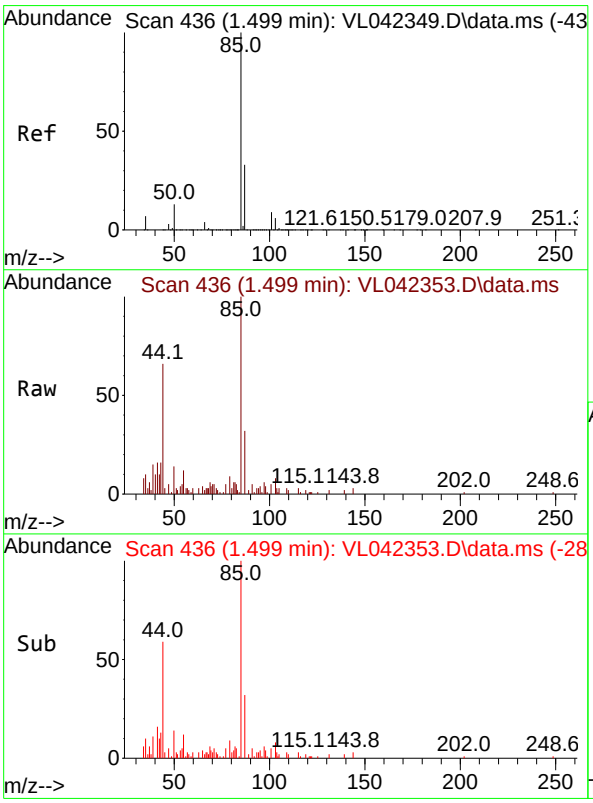
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 119461

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	58.3	29.3	88.0

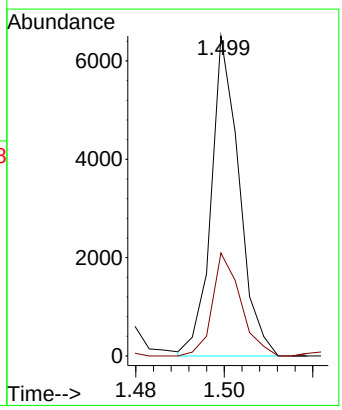


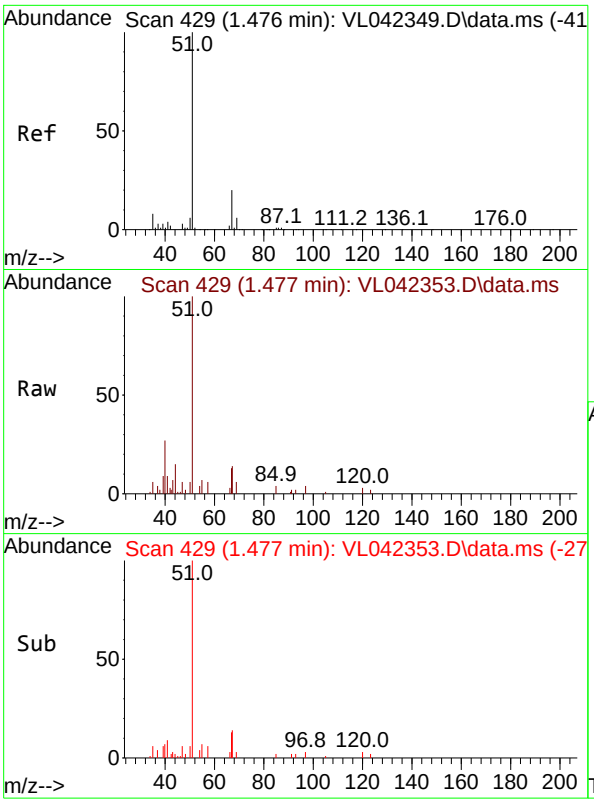


#2
Dichlorodifluoromethane
Concen: 0.135 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 85 Resp: 2857

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8



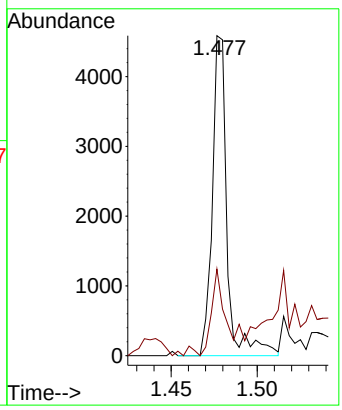


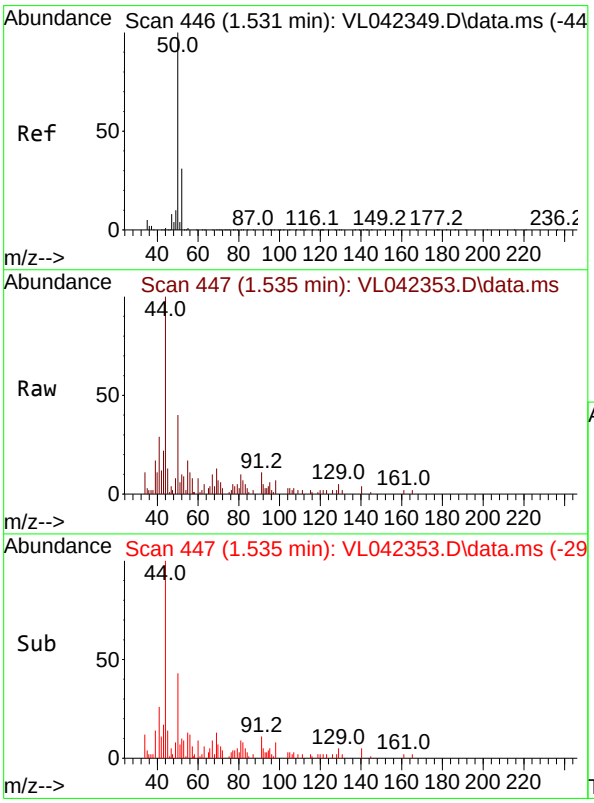
#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 1.477 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 2706

Ion	Ratio	Lower	Upper
51	100		
67	24.5	16.2	24.4#

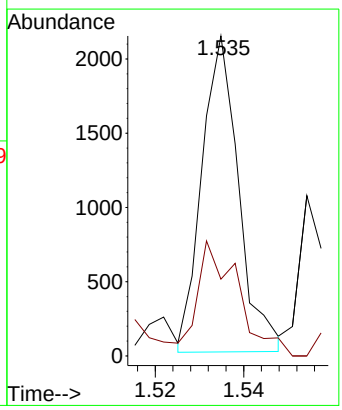


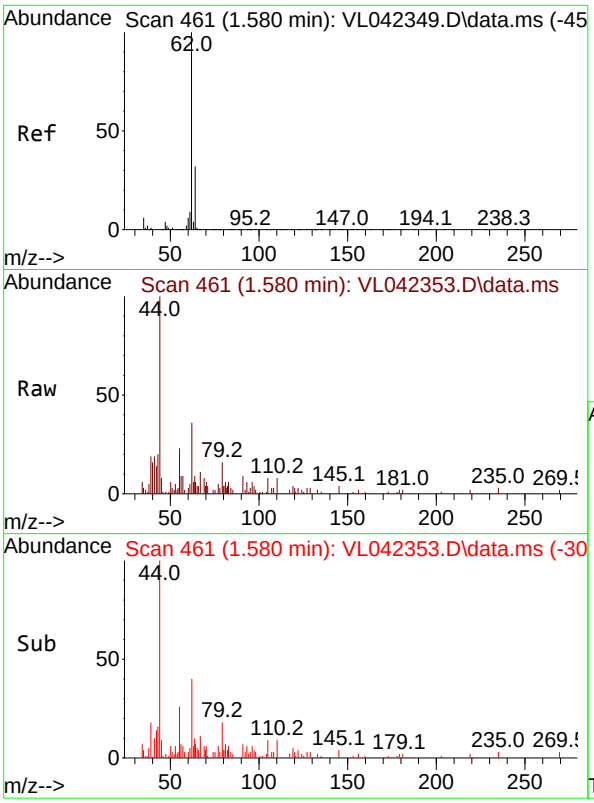


#4
Chloromethane
Concen: 0.147 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 50 Resp: 1225

Ion	Ratio	Lower	Upper
50	100		
52	22.9	24.7	37.1#



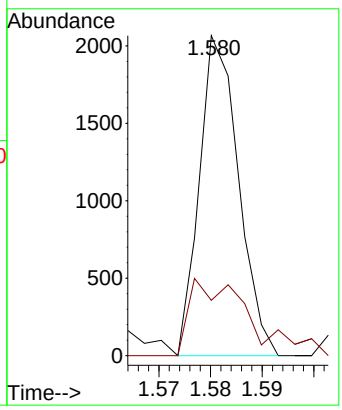


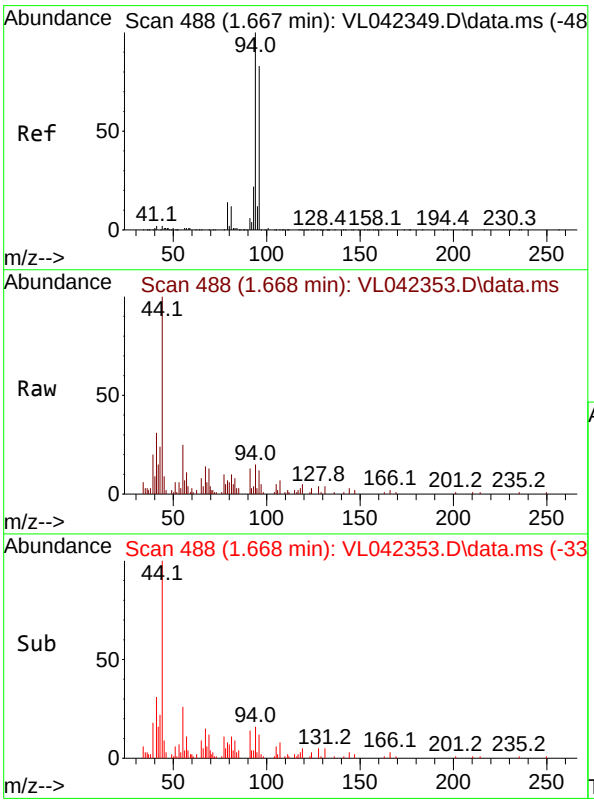
#5
Vinyl Chloride
Concen: 0.120 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1088

Ion	Ratio	Lower	Upper
62	100		
64	17.3	25.4	38.0#

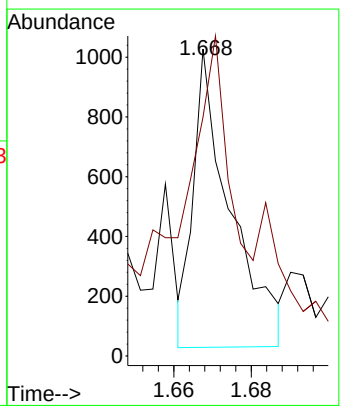


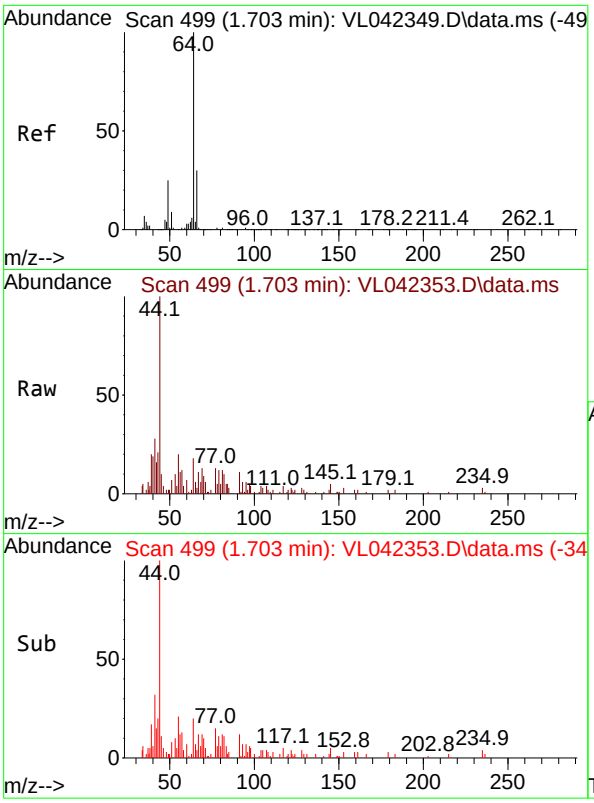


#6
Bromomethane
Concen: 0.168 ppbv
RT: 1.668 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 94 Resp: 663

Ion	Ratio	Lower	Upper
94	100		
96	57.5	66.2	99.2#



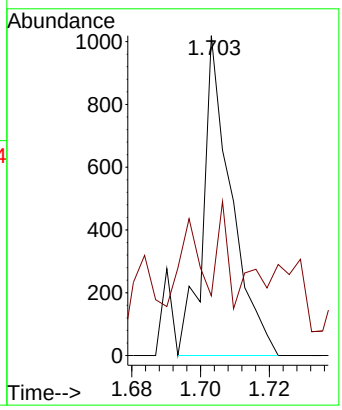


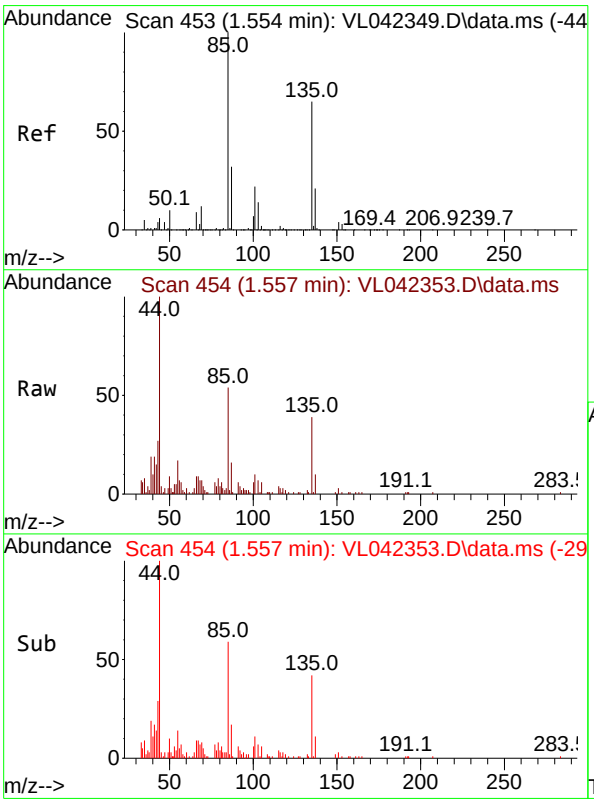
#7
Chloroethane
Concen: 0.176 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 579

Ion	Ratio	Lower	Upper
64	100		
66	18.6	24.6	37.0#

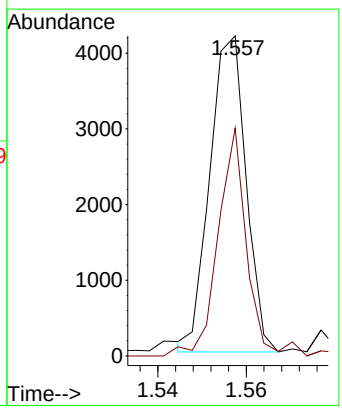


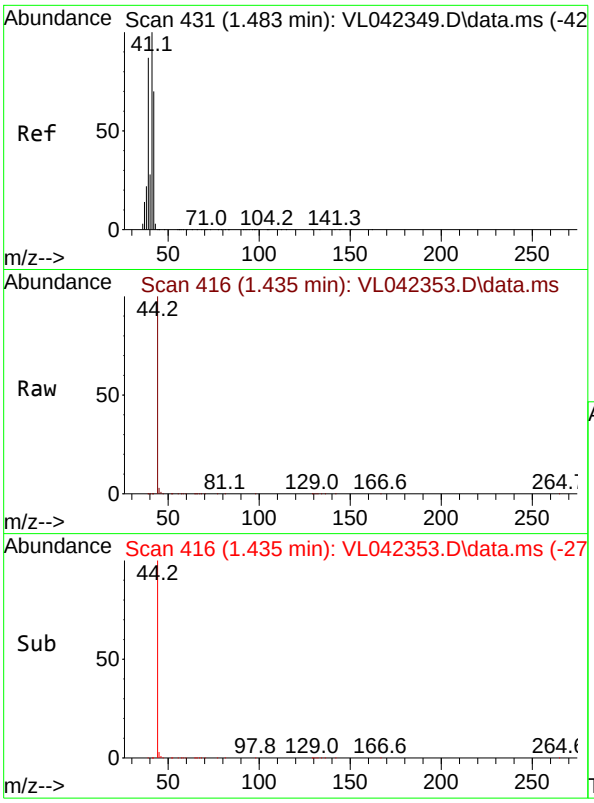


#8
Dichlorotetrafluoroethane
Concen: 0.131 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 85 Resp: 2377

Ion	Ratio	Lower	Upper
85	100		
135	60.3	52.2	78.2



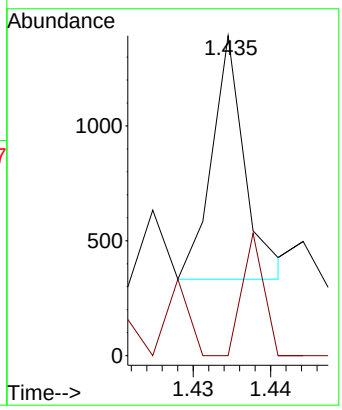


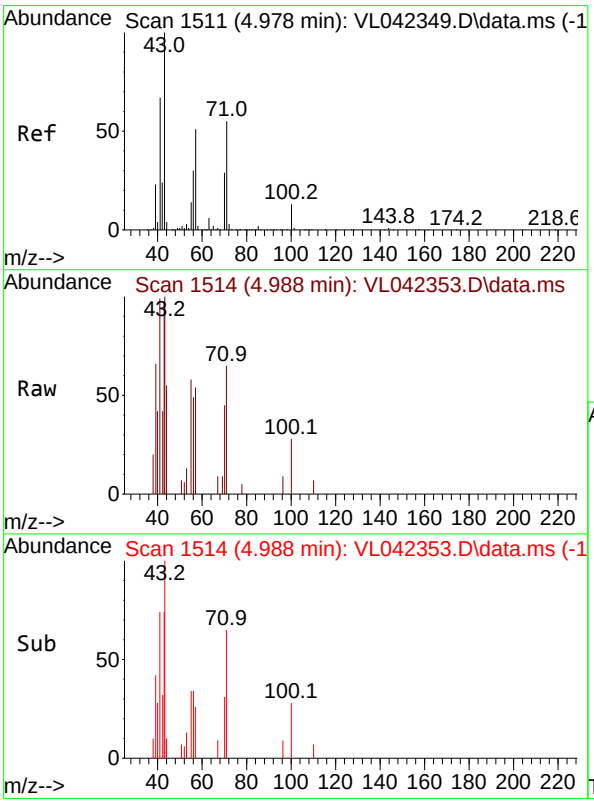
#9
Propene
Concen: 0.034 ppbv
RT: 1.435 min Scan# 4
Delta R.T. -0.048 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 314

Ion	Ratio	Lower	Upper
41	100		
42	78.7	56.2	84.4

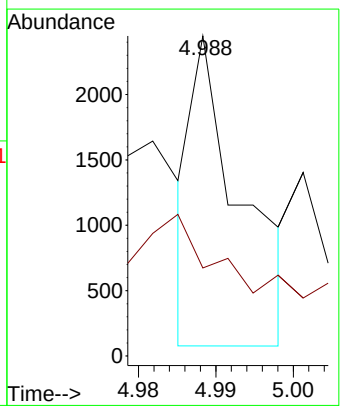


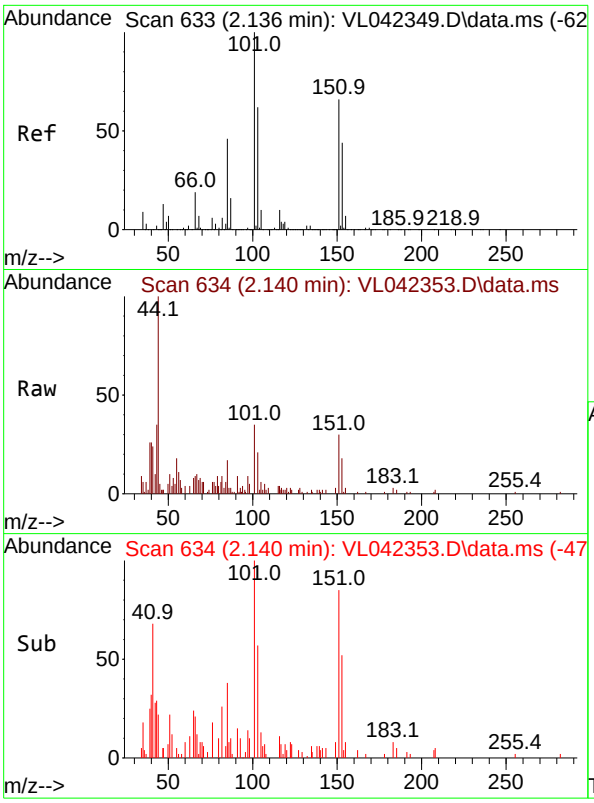


#10
Heptane
Concen: 0.043 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 43 Resp: 1056

Ion	Ratio	Lower	Upper
43	100		
57	220.7	39.9	59.9#



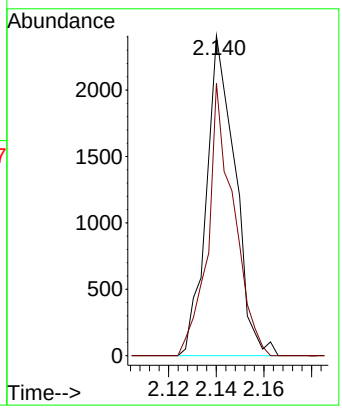


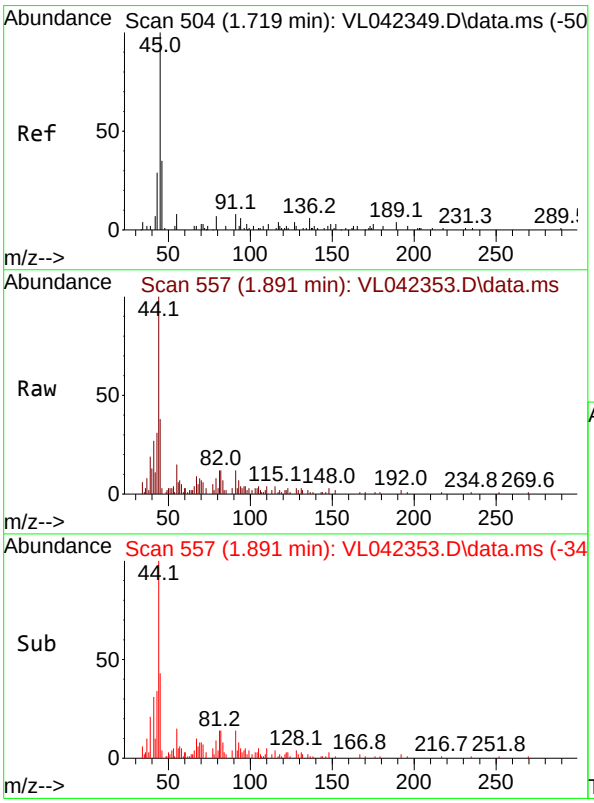
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.123 ppbv
RT: 2.140 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 2017

Ion	Ratio	Lower	Upper
101	100		
151	76.2	57.0	85.6

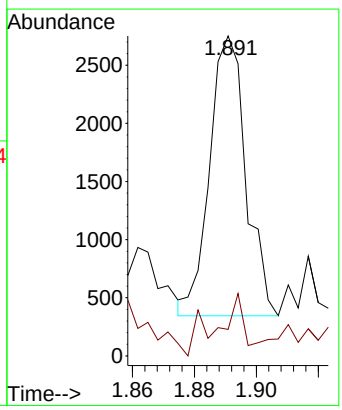


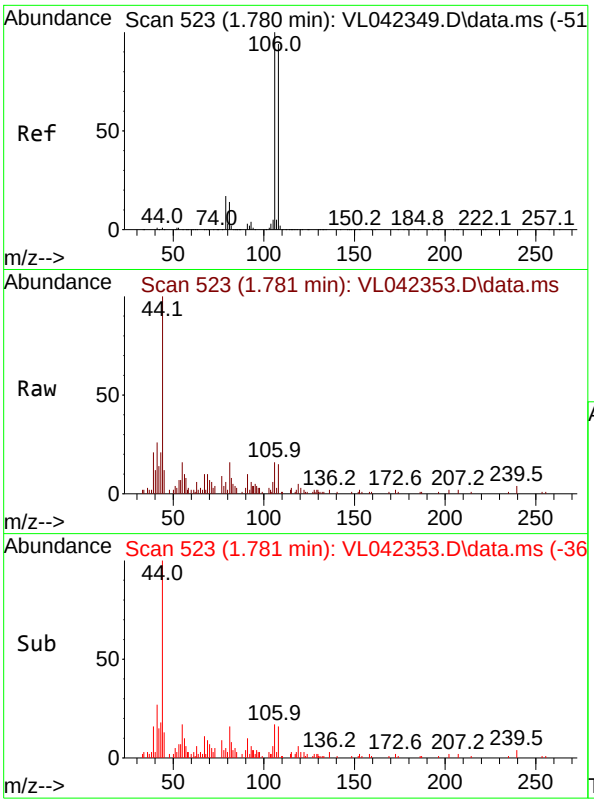


#13
Ethanol
Concen: 2.618 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.172 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 45 Resp: 1958

Ion	Ratio	Lower	Upper
45	100		
46	0.0	21.9	87.7#



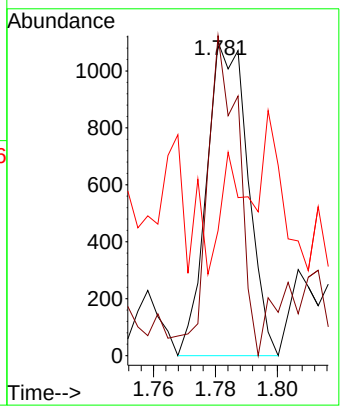


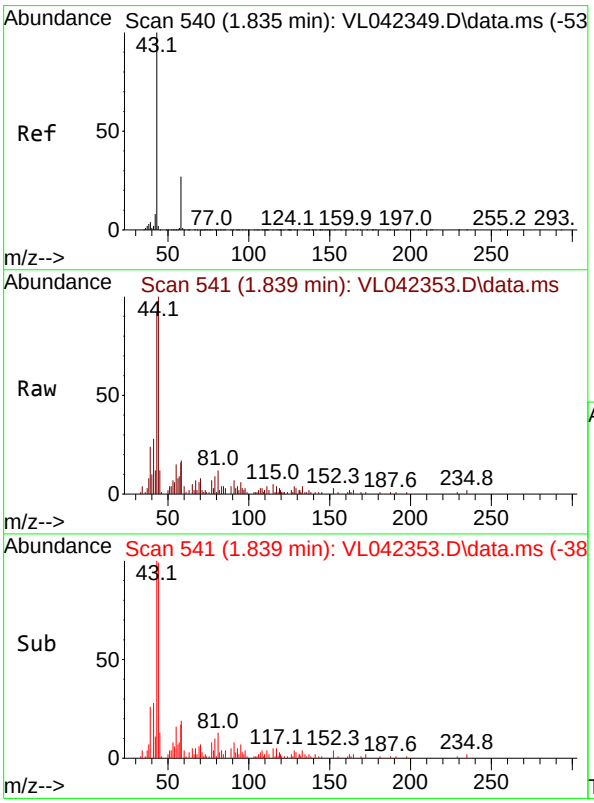
#14
Bromoethene
Concen: 0.164 ppbv
RT: 1.781 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:108 Resp: 1015

Ion	Ratio	Lower	Upper
108	100		
106	128.3	85.9	128.9
79	0.0	13.9	20.9#

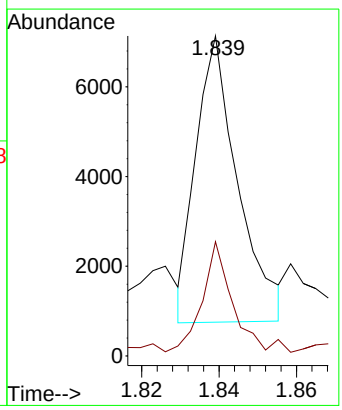


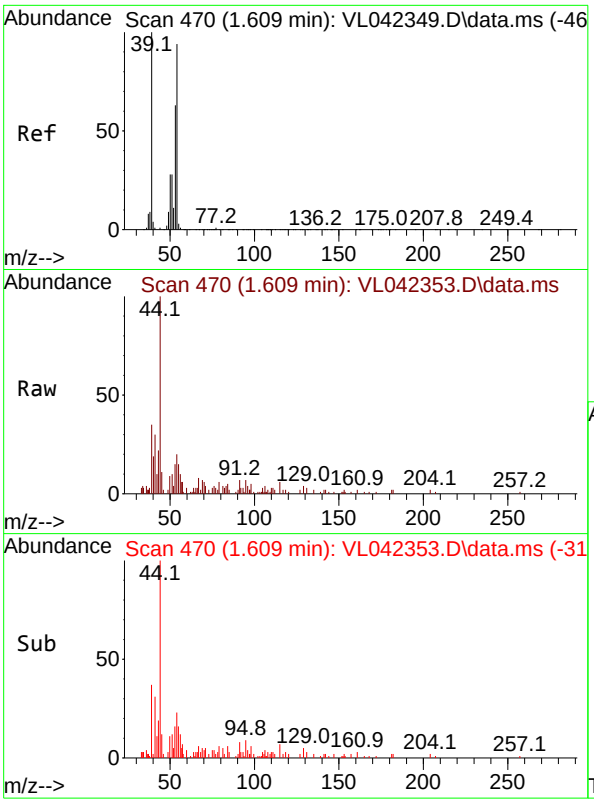


#15
Acetone
Concen: 0.245 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 43 Resp: 4783

Ion	Ratio	Lower	Upper
43	100		
58	37.5	22.4	33.6#



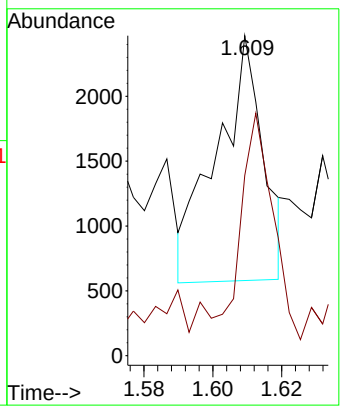


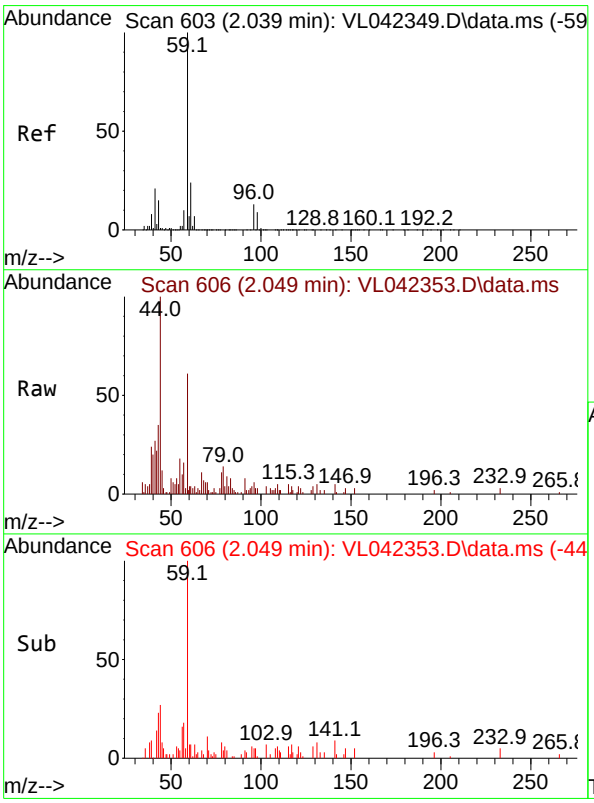
#16
1,3-Butadiene
Concen: 0.193 ppbv
RT: 1.609 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 39 Resp: 1776

Ion	Ratio	Lower	Upper
39	100		
54	128.7	64.9	97.3#

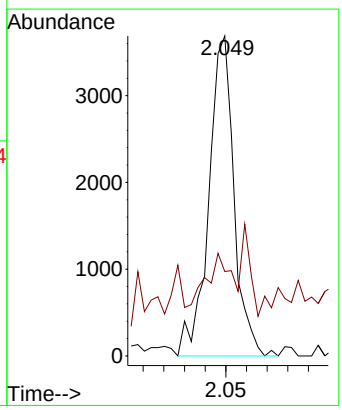


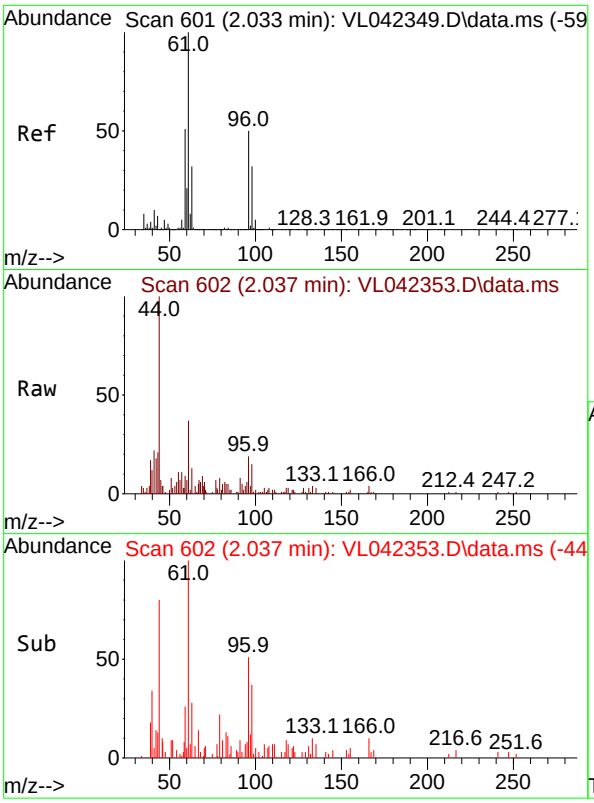


#17
tert-Butyl alcohol
Concen: 0.129 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 59 Resp: 3130

Ion	Ratio	Lower	Upper
59	100		
57	46.5	8.7	13.1#



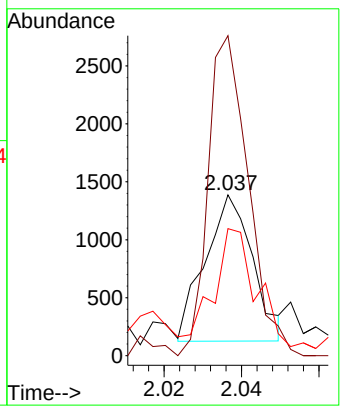


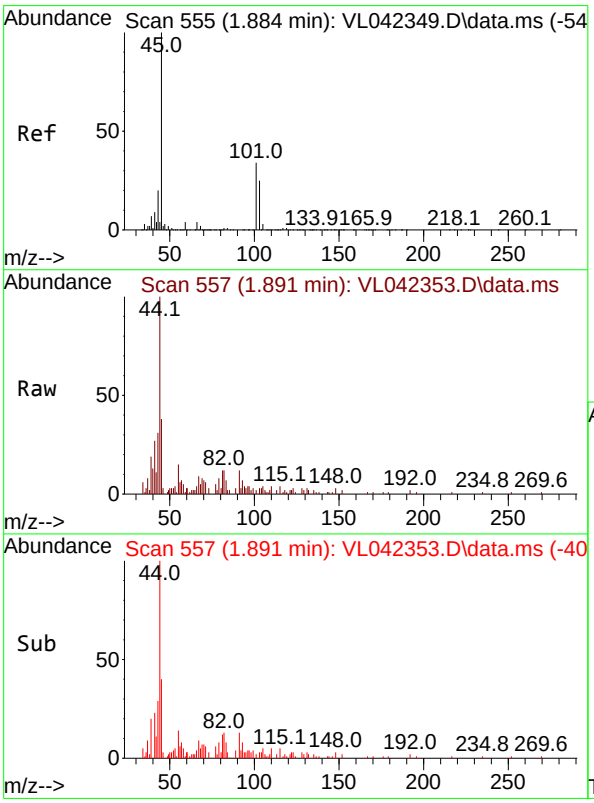
#18
1,1-Dichloroethene
Concen: 0.136 ppbv
RT: 2.037 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 96 Resp: 1074

Ion	Ratio	Lower	Upper
96	100		
61	222.5	160.2	240.2
98	75.2	51.0	76.4

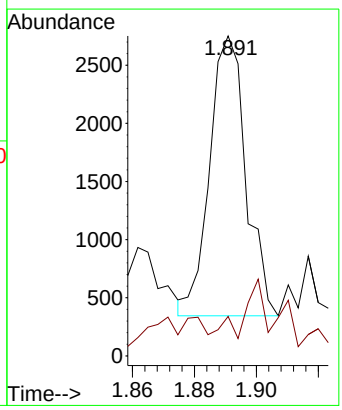


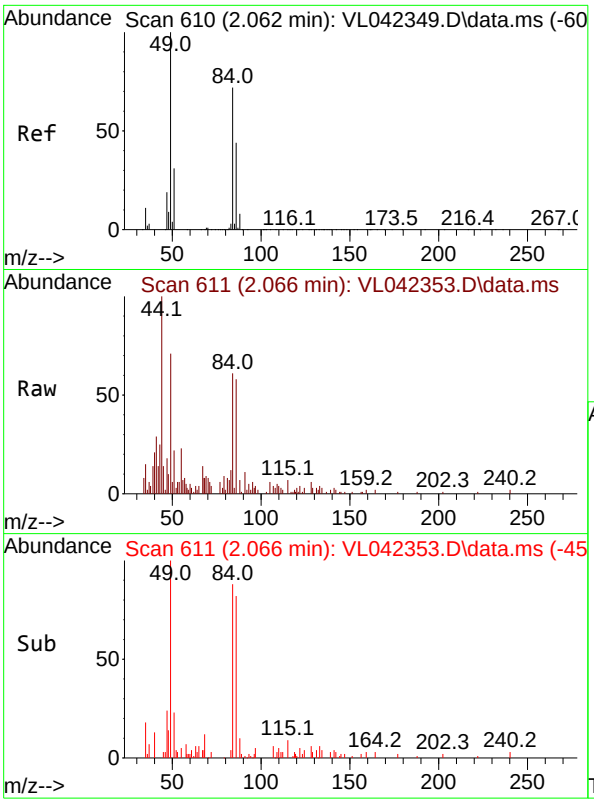


#19
Isopropyl Alcohol
Concen: 0.180 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 45 Resp: 1958

Ion	Ratio	Lower	Upper
45	100		
58	49.5	34.5	51.7



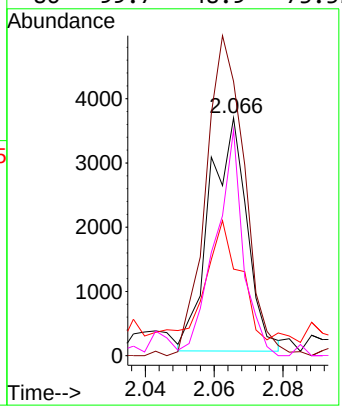


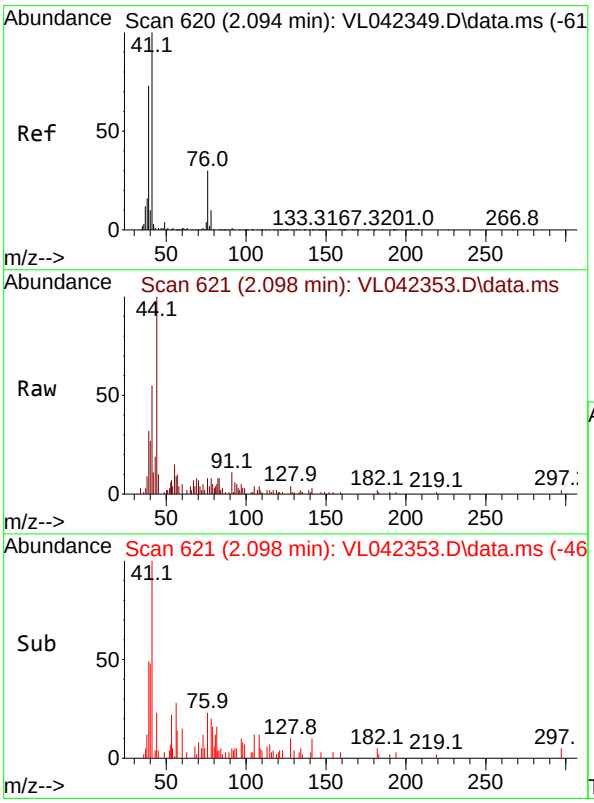
#20
Methylene Chloride
Concen: 0.358 ppbv
RT: 2.066 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 84 Resp: 2741

Ion	Ratio	Lower	Upper
84	100		
49	119.3	111.6	167.4
51	28.2	35.1	52.7#
86	99.7	48.9	73.3#

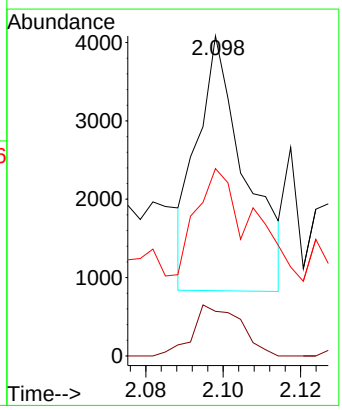


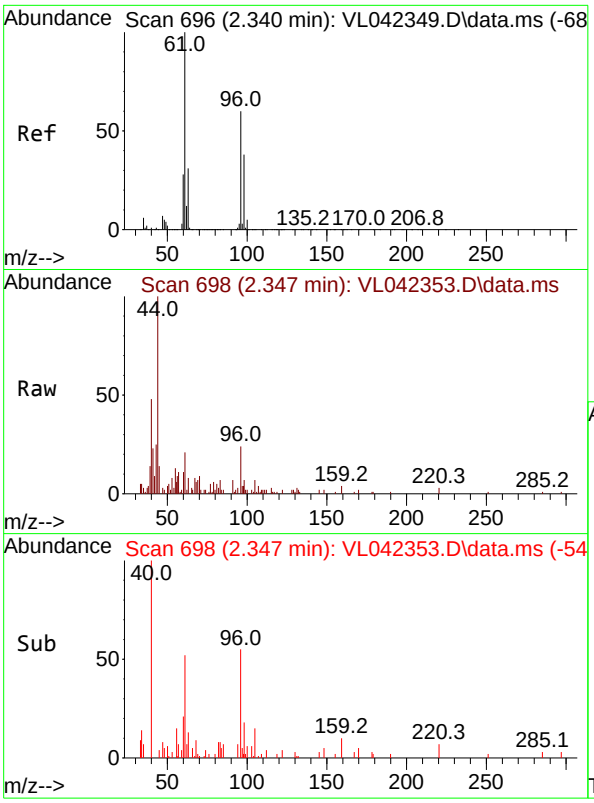


#21
Allyl Chloride
Concen: 0.206 ppbv
RT: 2.098 min Scan# 621
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 41 Resp: 2786

Ion	Ratio	Lower	Upper
41	100		
76	20.0	24.8	37.2#
39	102.2	60.6	90.8#



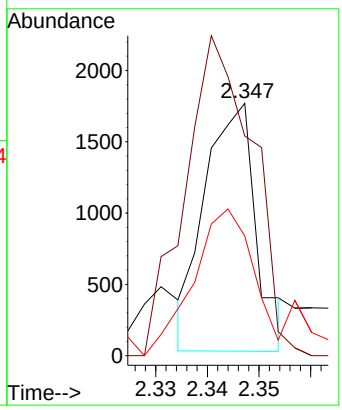


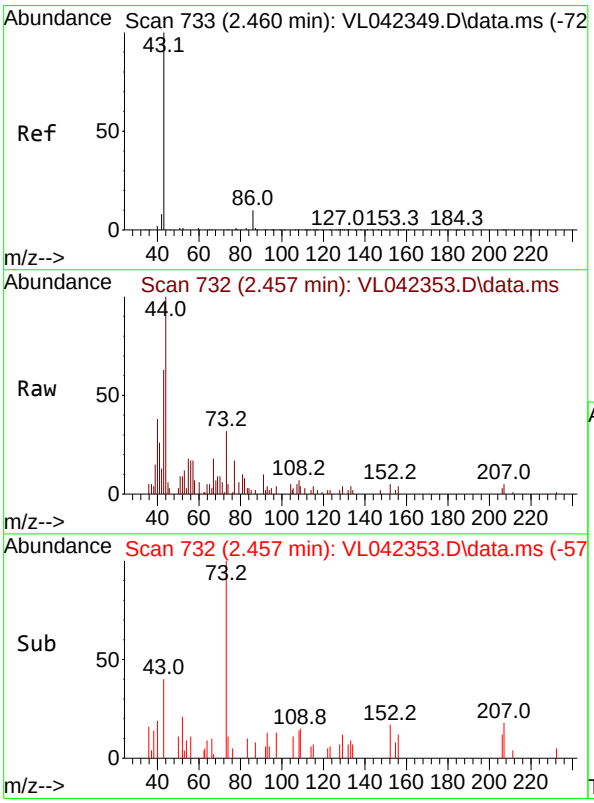
#22
trans-1,2-Dichloroethene
Concen: 0.138 ppbv
RT: 2.347 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 96 Resp: 1201

Ion	Ratio	Lower	Upper
96	100		
61	99.5	133.7	200.5#
98	52.9	50.3	75.5

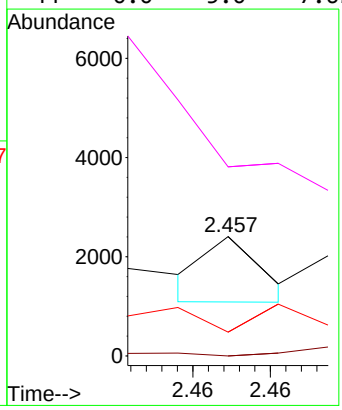


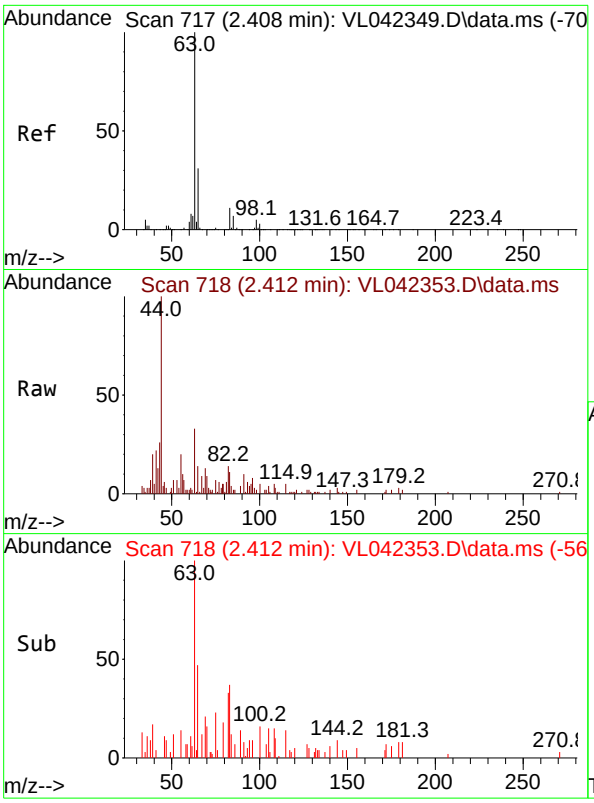


#23
Vinyl Acetate
Concen: 0.041 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 43 Resp: 326

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#
42	0.0	7.8	11.8#
44	0.0	5.0	7.6#



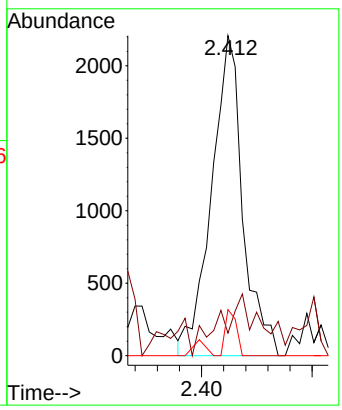


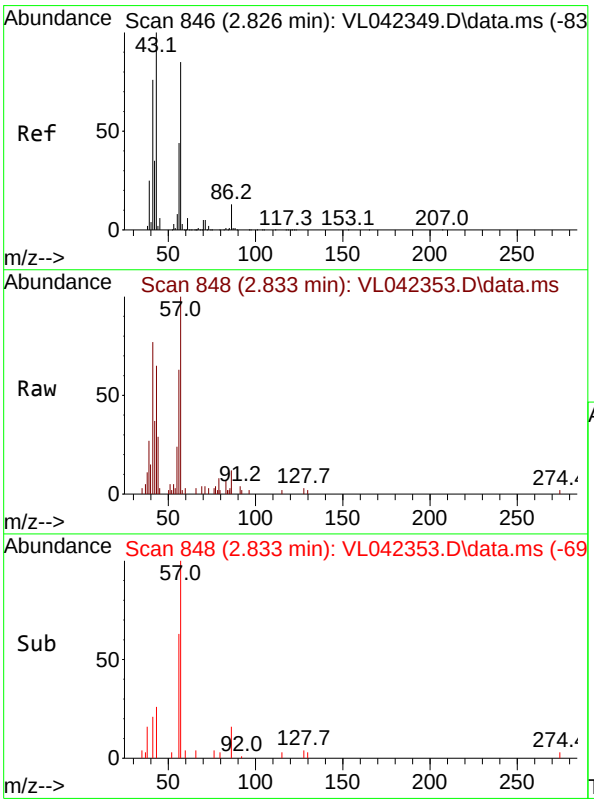
#24
1,1-Dichloroethane
Concen: 0.131 ppbv
RT: 2.412 min Scan# 7
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 2169

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	14.4	1.6	4.8#

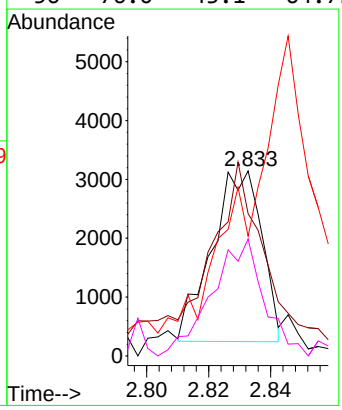


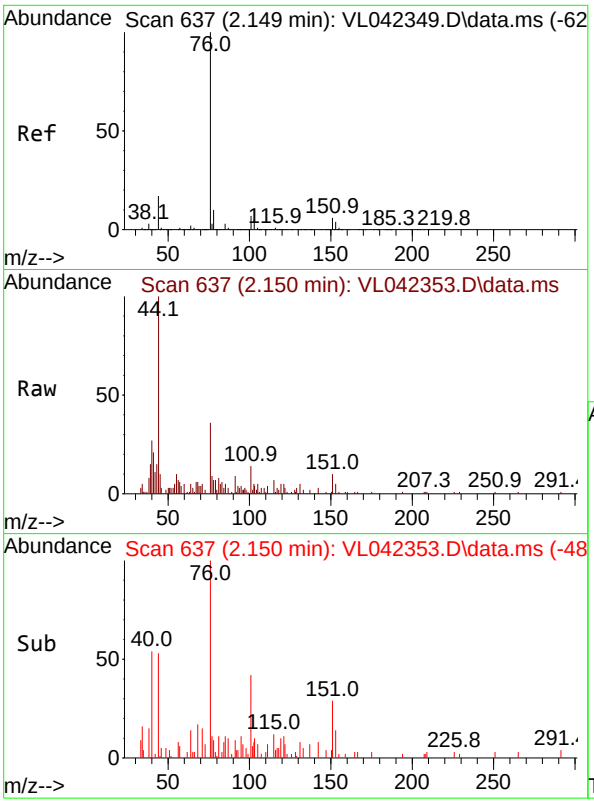


#26
Hexane
Concen: 0.167 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 57 Resp: 3260

Ion	Ratio	Lower	Upper
57	100		
41	134.5	77.9	116.9#
43	0.0	208.4	312.6#
56	76.0	43.1	64.7#



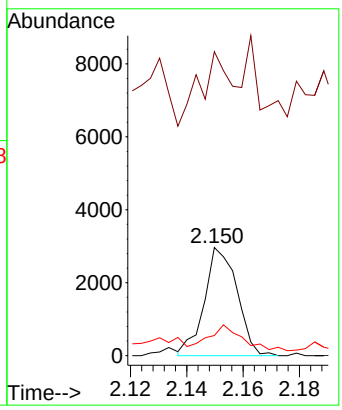


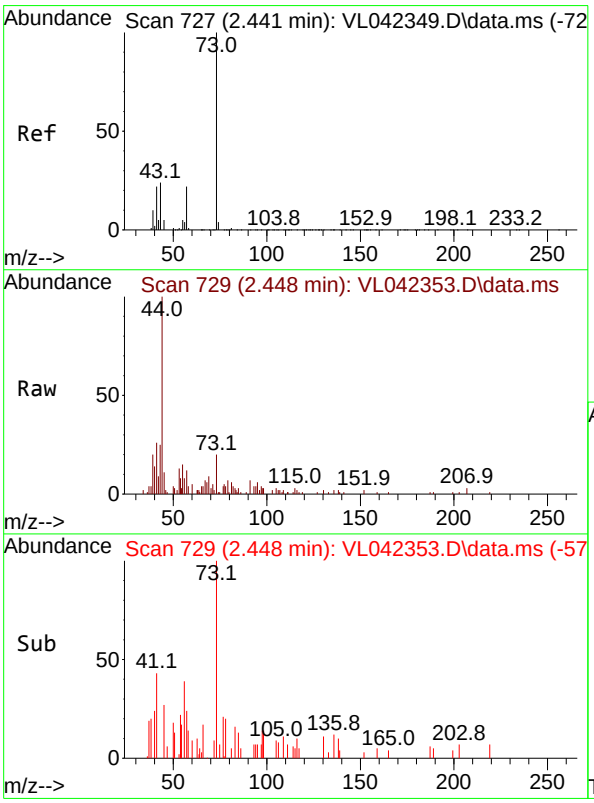
#27
Carbon Disulfide
Concen: 0.115 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 2396

Ion	Ratio	Lower	Upper
76	100		
44	214.1	15.5	23.3#
78	41.9	9.3	13.9#

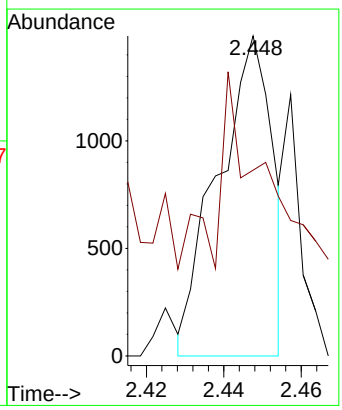


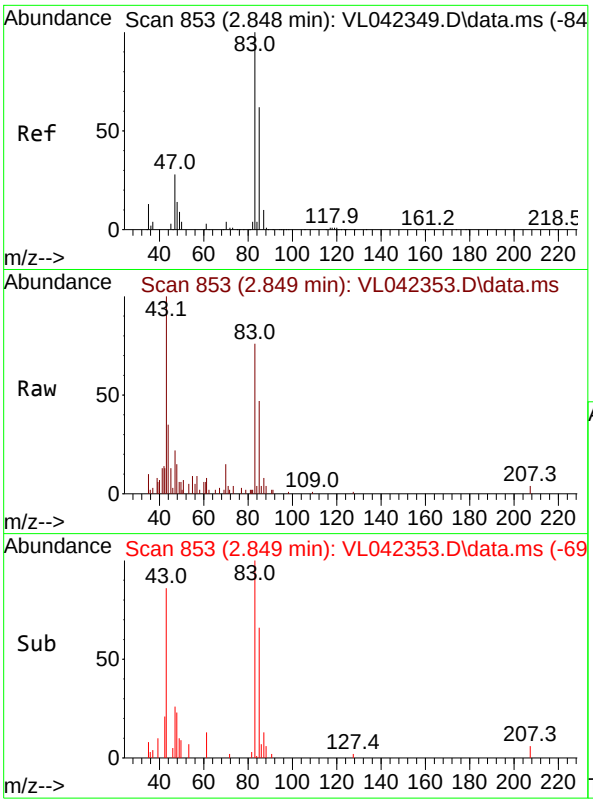


#28
Methyl tert-Butyl Ether
Concen: 0.114 ppbv
RT: 2.448 min Scan# 729
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 73 Resp: 1460

Ion	Ratio	Lower	Upper
73	100		
57	84.5	21.3	31.9#



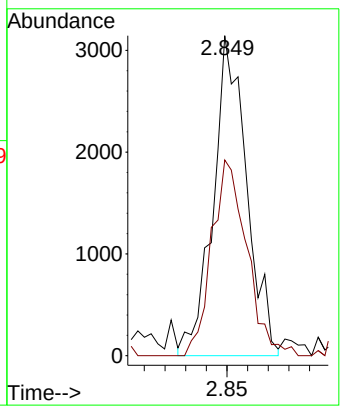


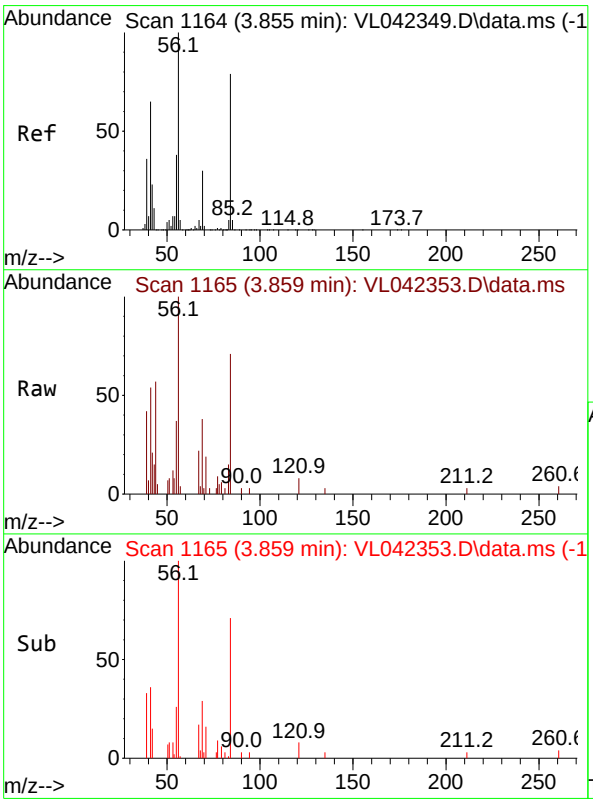
#29
Chloroform
Concen: 0.128 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 3542

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0

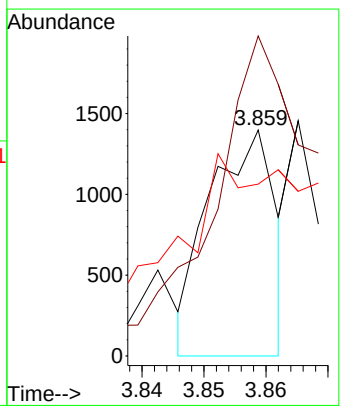


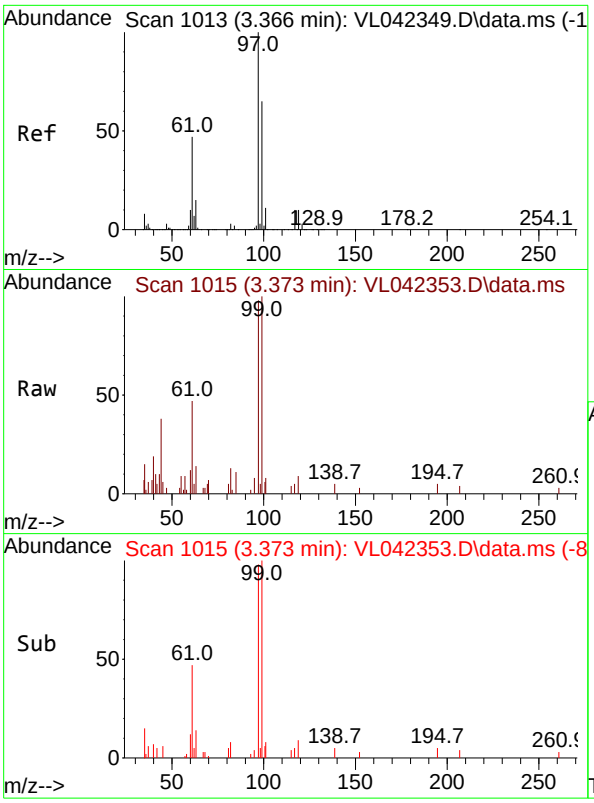


#30
Cyclohexane
Concen: 0.066 ppbv
RT: 3.859 min Scan# 1165
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 84 Resp: 1037

Ion	Ratio	Lower	Upper
84	100		
56	278.1	101.0	151.4#
41	346.5	67.4	101.0#



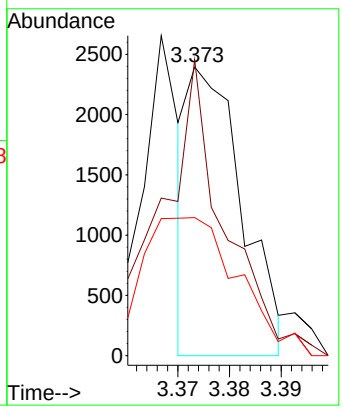


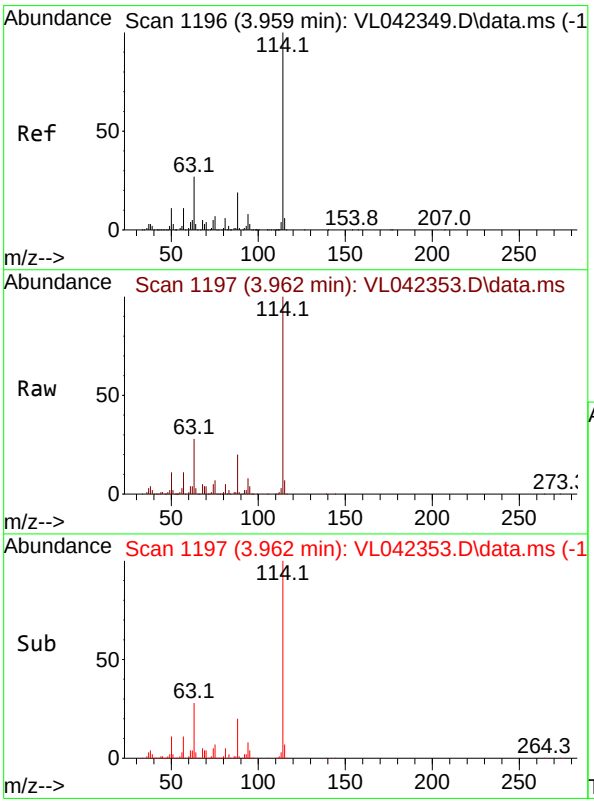
#32
1,1,1-Trichloroethane
Concen: 0.059 ppbv
RT: 3.373 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 1734

Ion	Ratio	Lower	Upper
97	100		
99	133.4	51.0	76.4#
61	93.7	38.8	58.2#

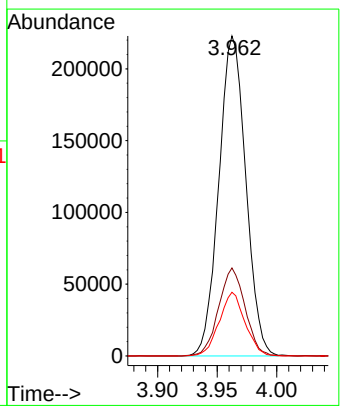


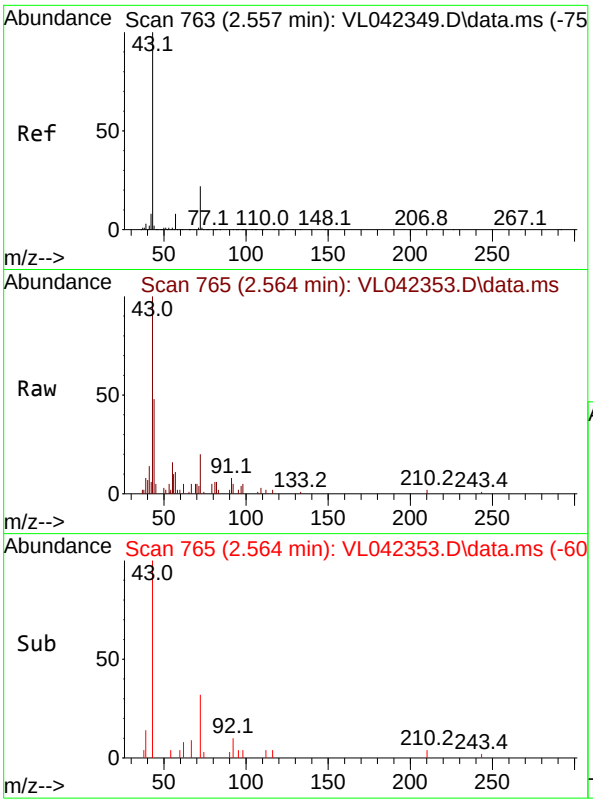


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:114 Resp: 350484

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.8	32.6
88	19.1	15.5	23.3



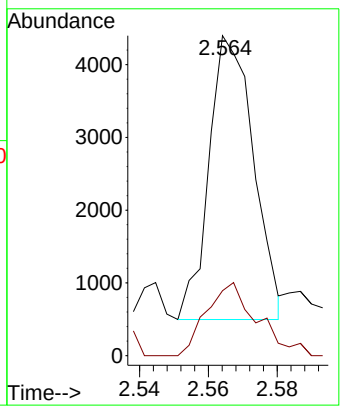


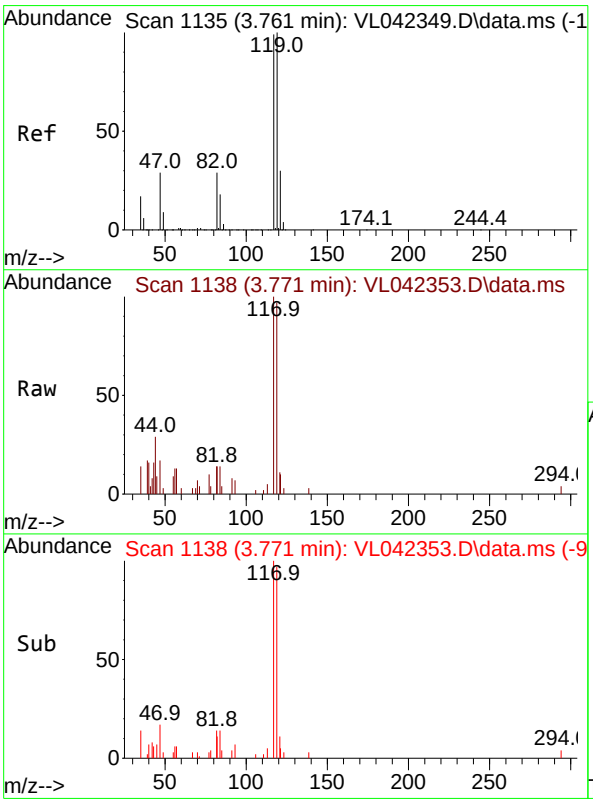
#34
2-Butanone
Concen: 0.126 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3506

Ion	Ratio	Lower	Upper
43	100		
72	32.7	18.2	27.2#

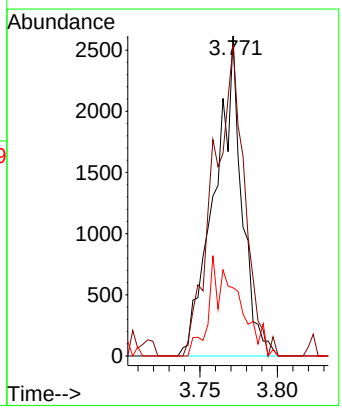


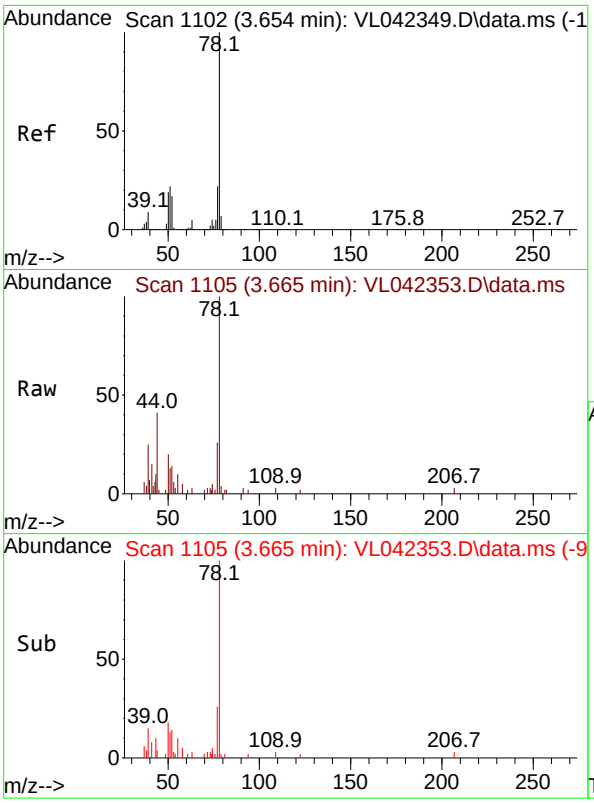


#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:117 Resp: 3204

Ion	Ratio	Lower	Upper
117	100		
119	97.3	80.5	120.7
121	21.3	24.2	36.2#



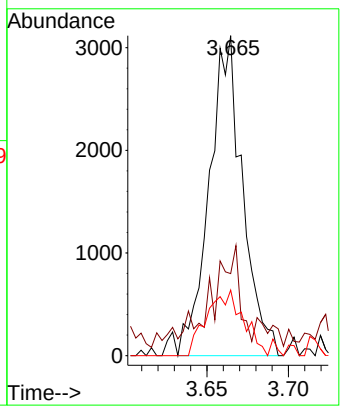


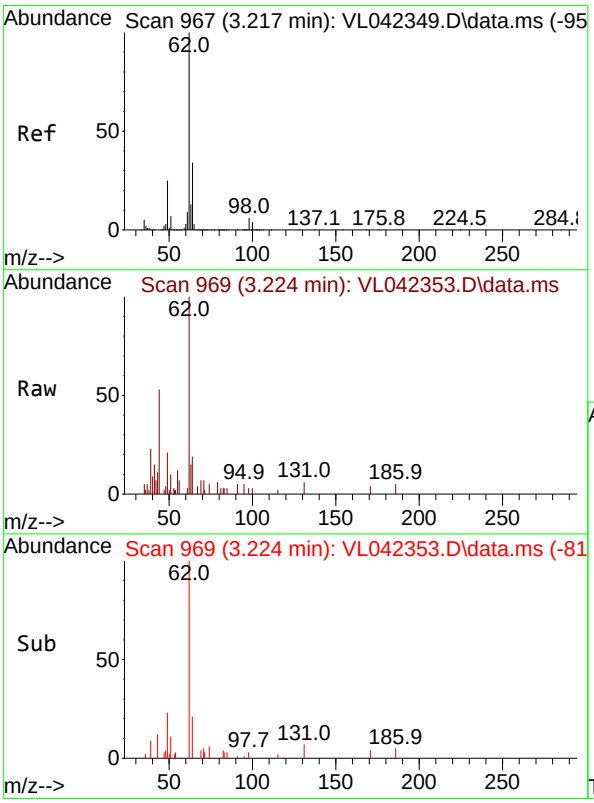
#36
Benzene
Concen: 0.117 ppbv
RT: 3.665 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 78 Resp: 4424

Ion	Ratio	Lower	Upper
78	100		
77	20.4	17.4	26.0
50	20.5	15.5	23.3

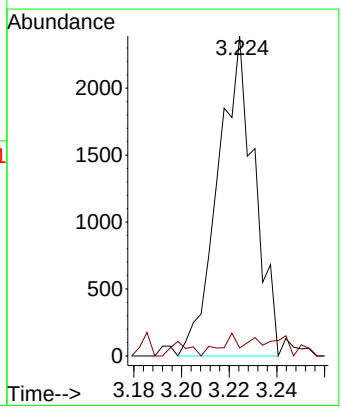


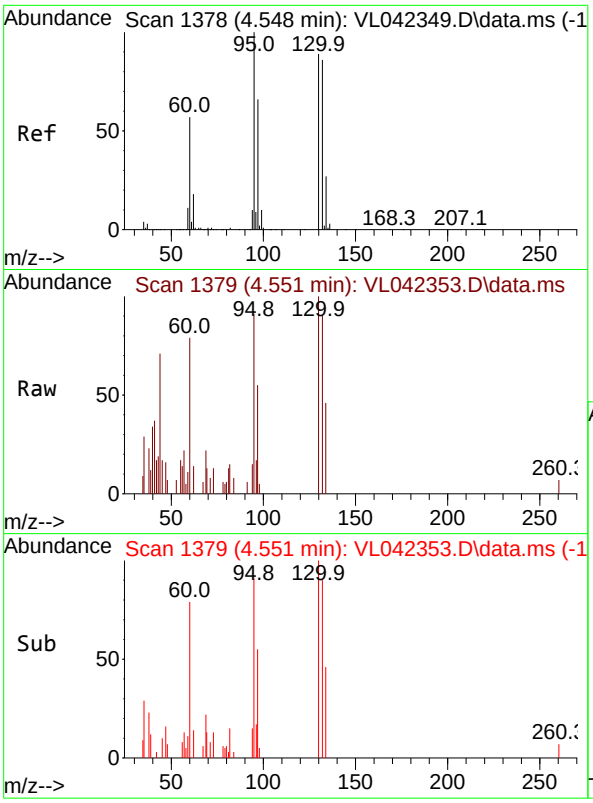


#37
1,2-Dichloroethane
Concen: 0.111 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 62 Resp: 2523

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.1	7.7#



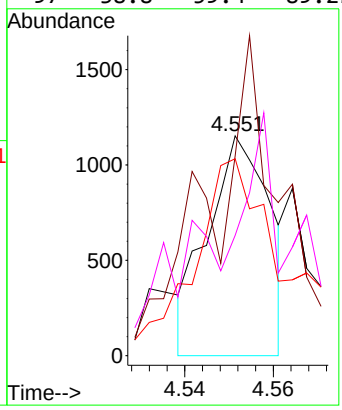


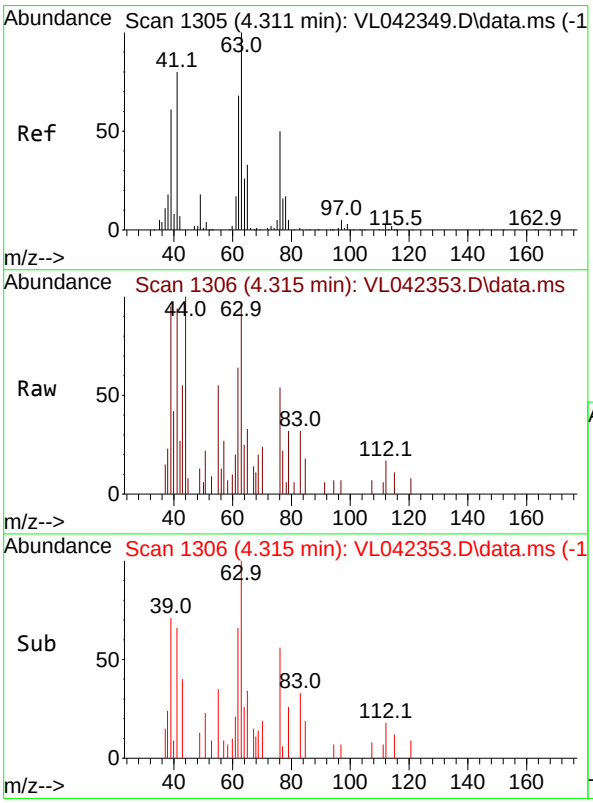
#38
Trichloroethene
Concen: 0.067 ppbv
RT: 4.551 min Scan# 1
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:130 Resp: 1113

Ion	Ratio	Lower	Upper
130	100		
95	60.4	89.8	134.6#
132	78.4	77.7	116.5
97	38.8	59.4	89.2#

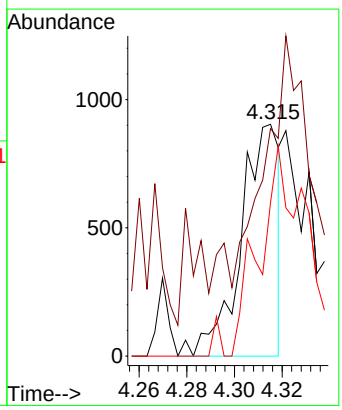


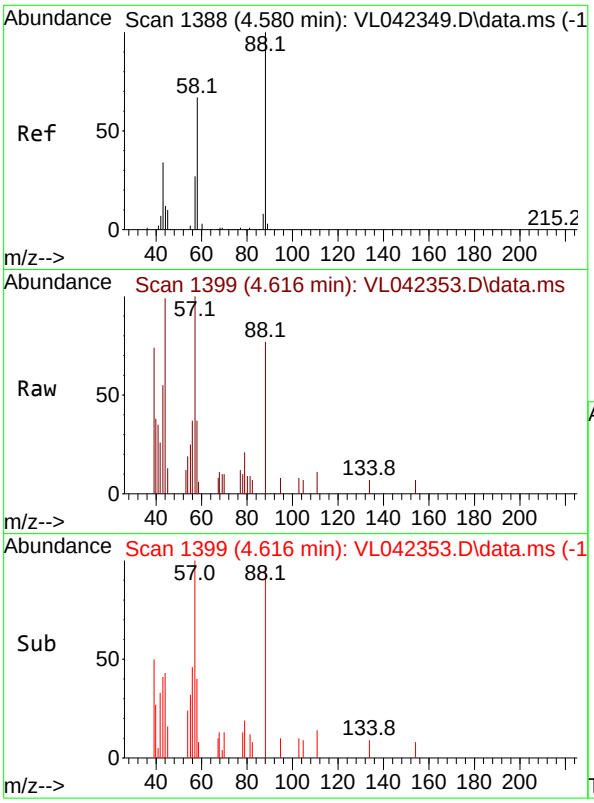


#39
1,2-Dichloropropane
Concen: 0.071 ppbv
RT: 4.315 min Scan# 1306
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 63 Resp: 1007

Ion	Ratio	Lower	Upper
63	100		
41	84.8	64.2	96.2
62	66.2	54.3	81.5



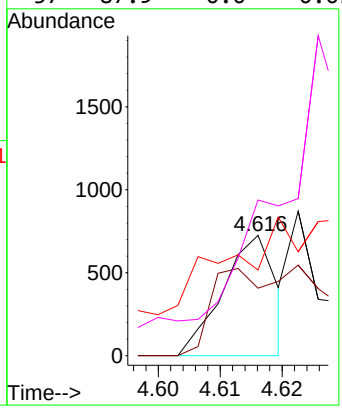


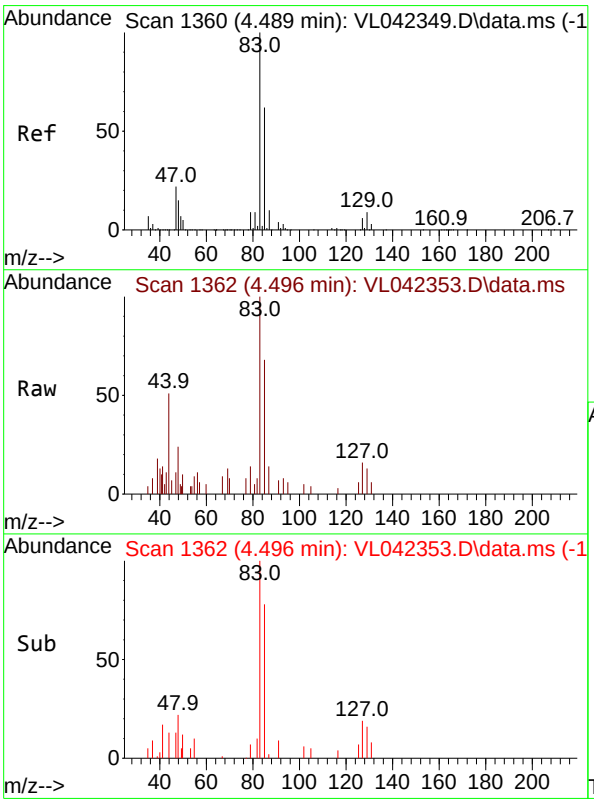
#40
1,4-Dioxane
Concen: 0.056 ppbv
RT: 4.616 min Scan# 1
Delta R.T. 0.036 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 88 Resp: 431

Ion	Ratio	Lower	Upper
88	100		
58	18.1	61.4	92.0#
43	247.6	23.2	34.8#
57	87.9	0.0	0.0#

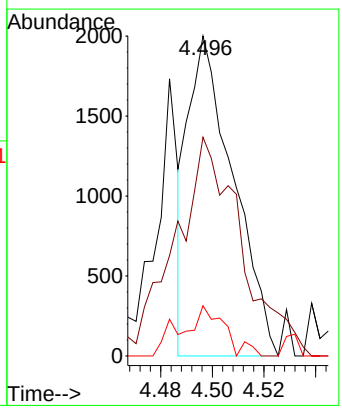


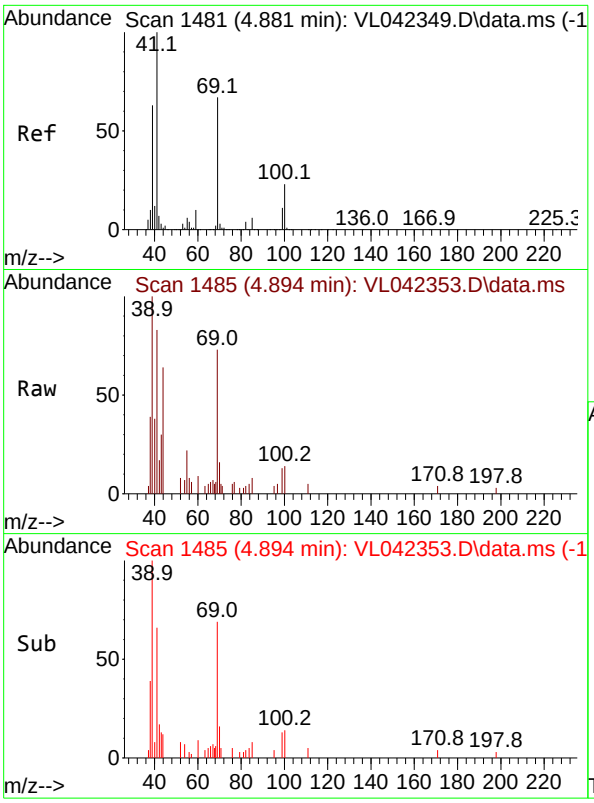


#42
Bromodichloromethane
Concen: 0.077 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 83 Resp: 2443

Ion	Ratio	Lower	Upper
83	100		
85	55.0	49.7	74.5
127	15.7	5.1	7.7#



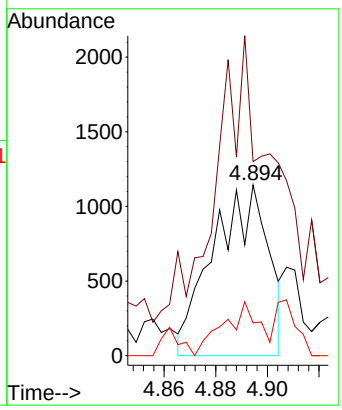


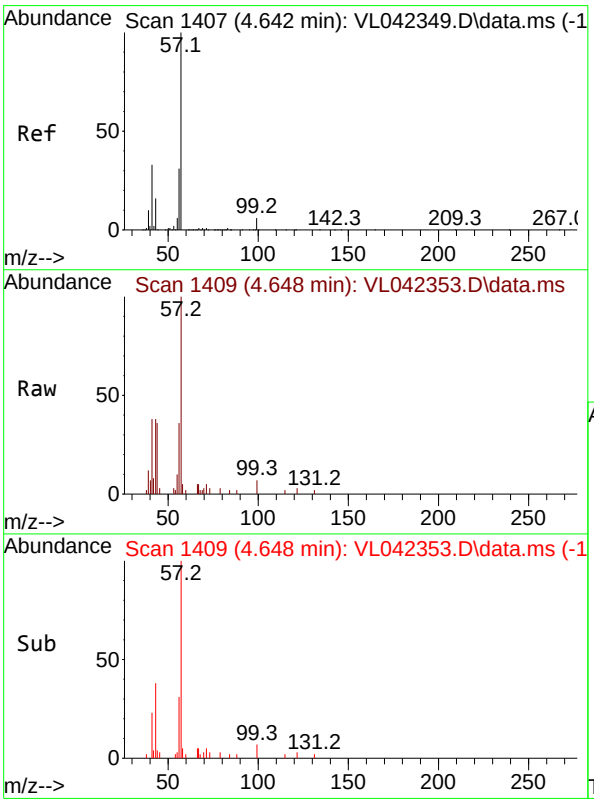
#43
Methyl Methacrylate
Concen: 0.099 ppbv
RT: 4.894 min Scan# 14
Delta R.T. 0.013 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 1683

Ion	Ratio	Lower	Upper
69	100		
41	192.5	118.6	177.8#
100	0.0	28.2	42.2#

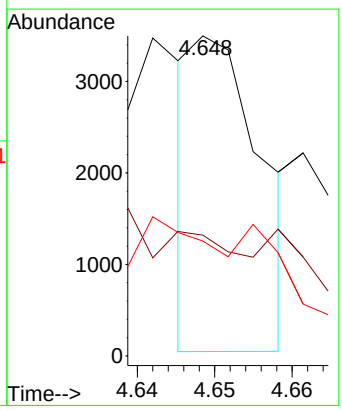


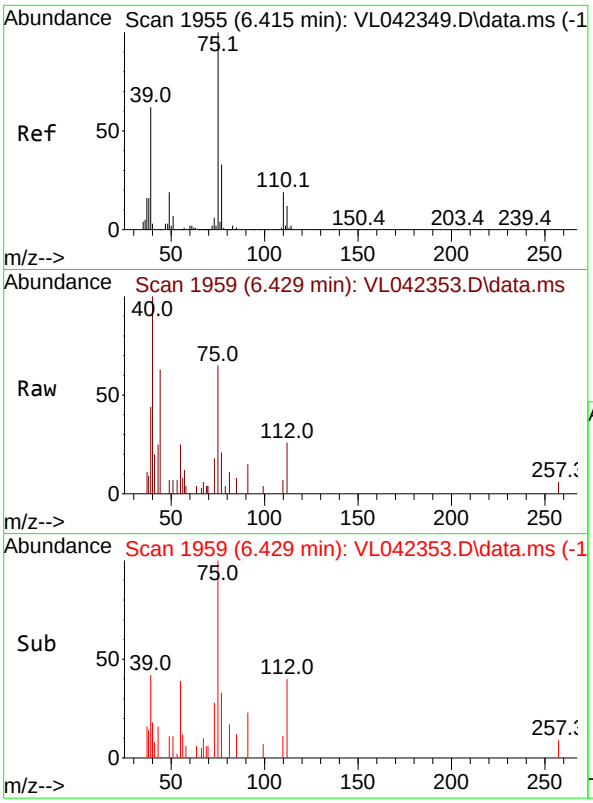


#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 57 Resp: 2115

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.2	40.8#
56	0.0	25.7	38.5#



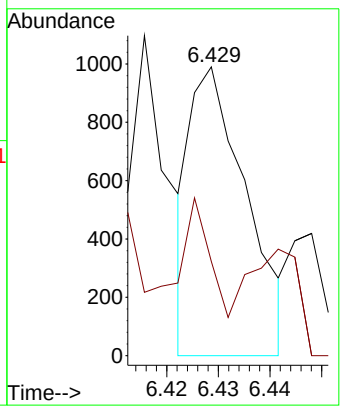


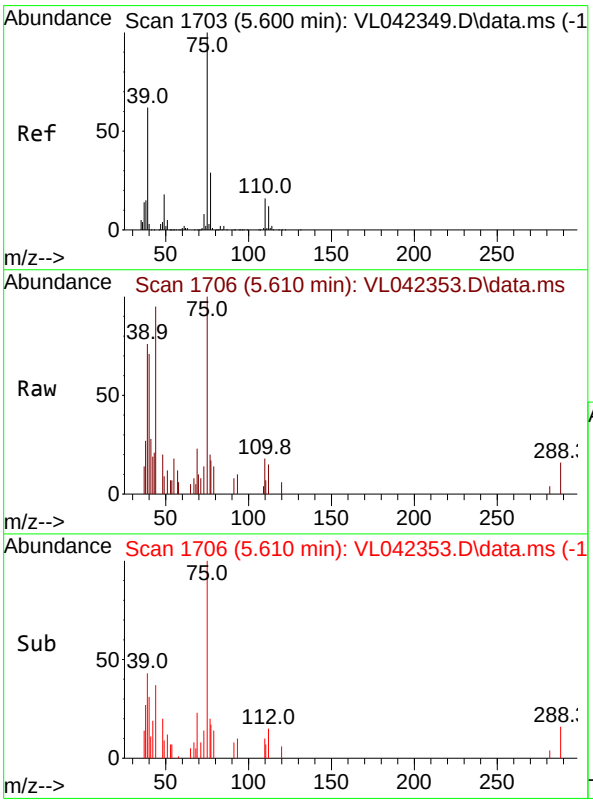
#45
t-1,3-Dichloropropene
Concen: 0.043 ppbv
RT: 6.429 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 748

Ion	Ratio	Lower	Upper
75	100		
77	32.6	27.0	40.6

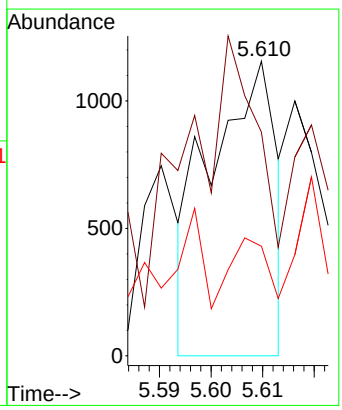


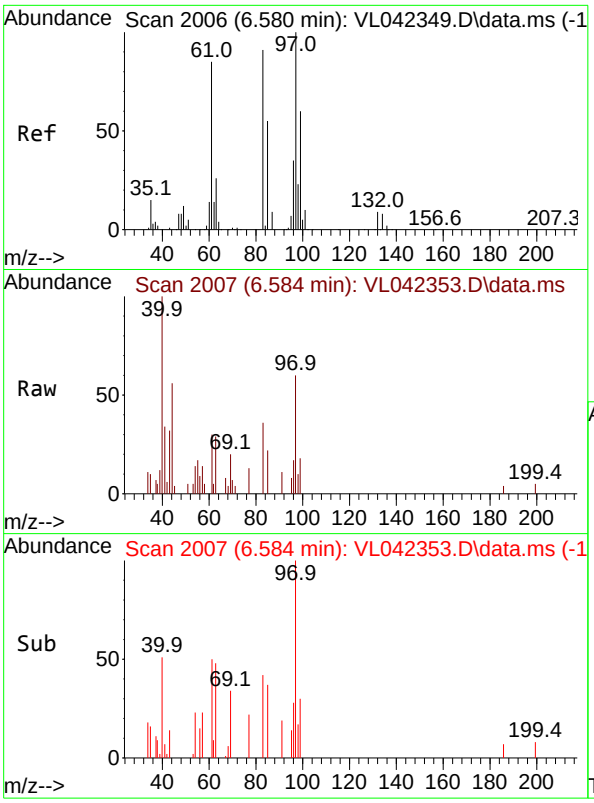


#46
cis-1,3-Dichloropropene
Concen: 0.048 ppbv
RT: 5.610 min Scan# 1706
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 75 Resp: 1032

Ion	Ratio	Lower	Upper
75	100		
39	71.3	50.0	75.0
77	32.3	23.0	34.6



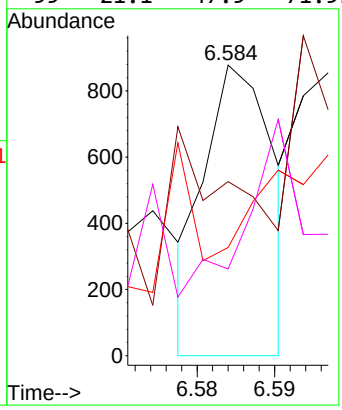


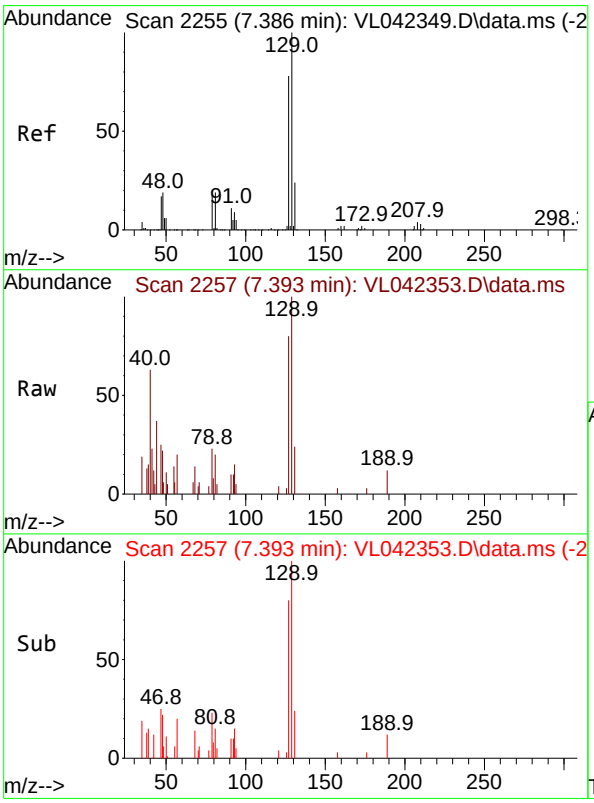
#47
1,1,2-Trichloroethane
Concen: 0.038 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 540

Ion	Ratio	Lower	Upper
97	100		
83	36.8	72.8	109.2#
85	0.0	44.2	66.4#
99	21.1	47.9	71.9#

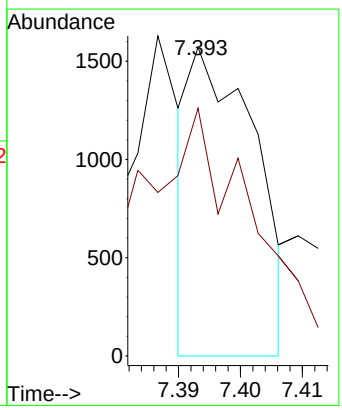


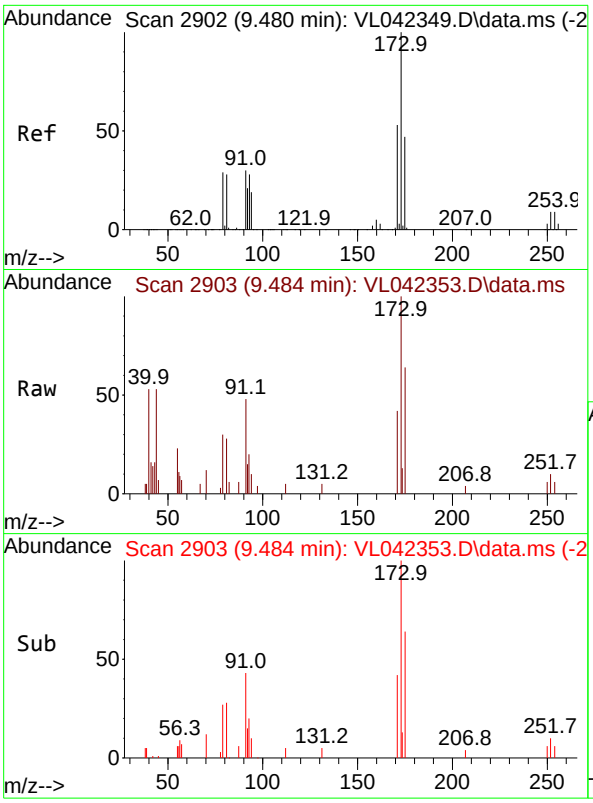


#48
Dibromochloromethane
Concen: 0.045 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:129 Resp: 1149

Ion	Ratio	Lower	Upper
129	100		
127	167.2	39.1	117.3#



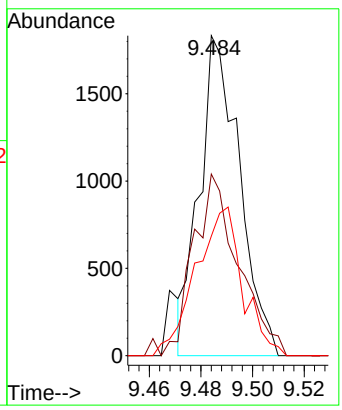


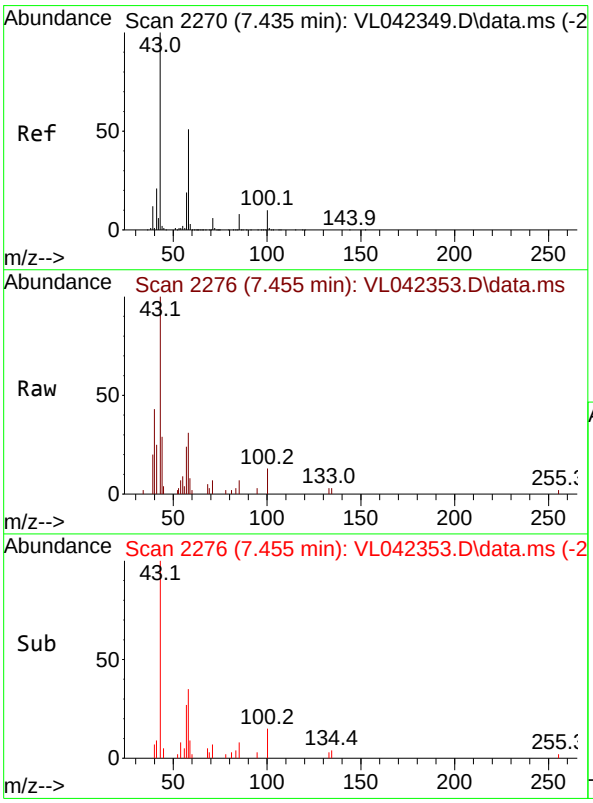
#49
Bromoform
Concen: 0.089 ppbv
RT: 9.484 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1973

Ion	Ratio	Lower	Upper
173	100		
175	64.7	38.2	57.2#
171	54.2	40.9	61.3

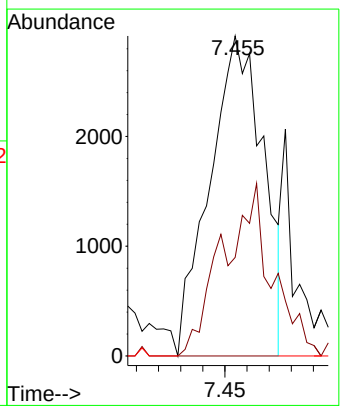


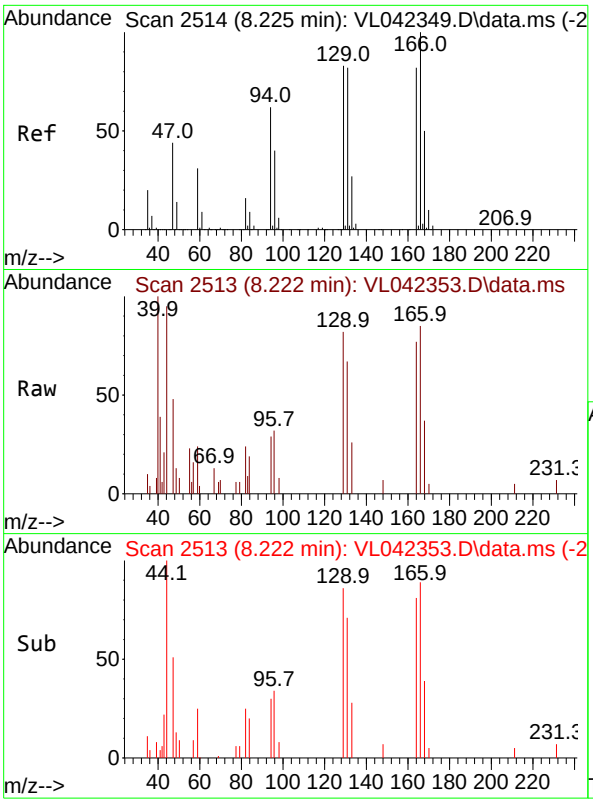


#51
2-Hexanone
Concen: 0.118 ppbv
RT: 7.455 min Scan# 2276
Delta R.T. 0.020 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 43 Resp: 4915

Ion	Ratio	Lower	Upper
43	100		
58	49.9	40.2	60.4
98	0.0	0.1	0.1#



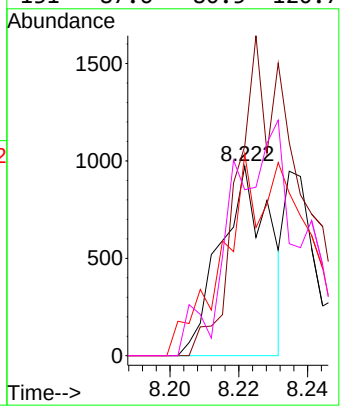


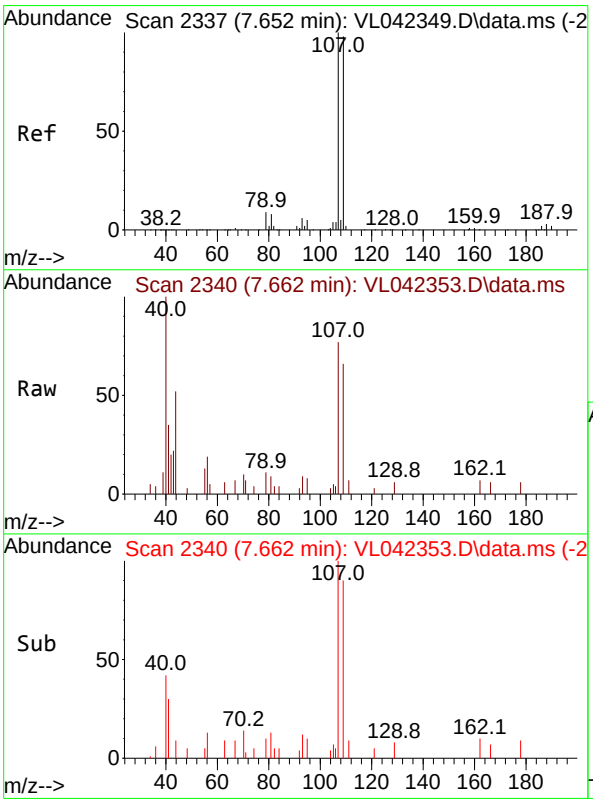
#52
Tetrachloroethene
Concen: 0.065 ppbv
RT: 8.222 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:164 Resp: 957

Ion	Ratio	Lower	Upper
164	100		
166	110.6	98.2	147.2
129	88.3	81.8	122.8
131	87.6	80.5	120.7

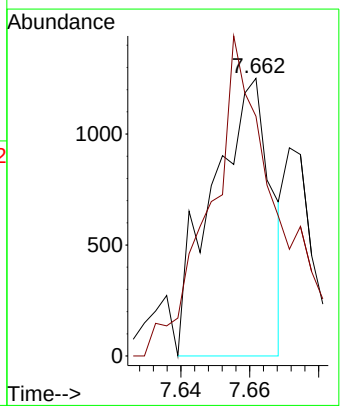


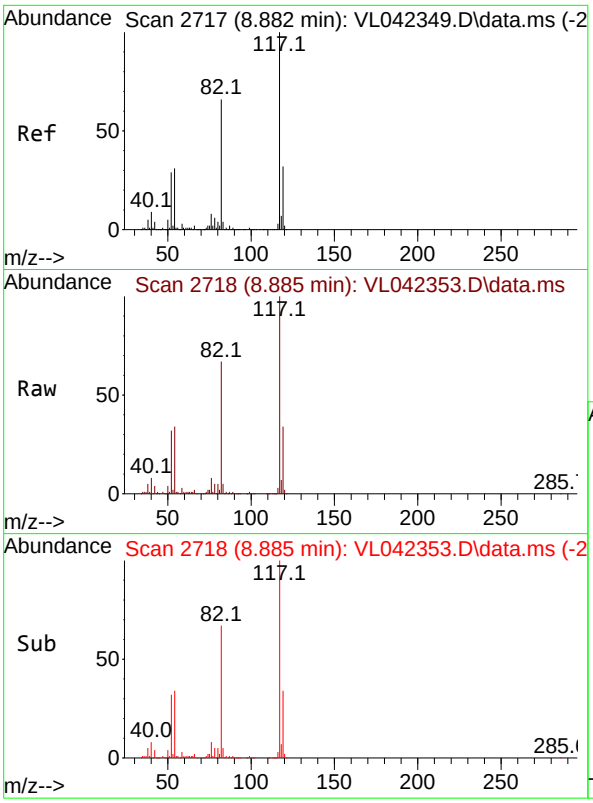


#54
1,2-Dibromoethane
Concen: 0.072 ppbv
RT: 7.662 min Scan# 2340
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:107 Resp: 1470

Ion	Ratio	Lower	Upper
107	100		
109	72.7	78.2	117.4#



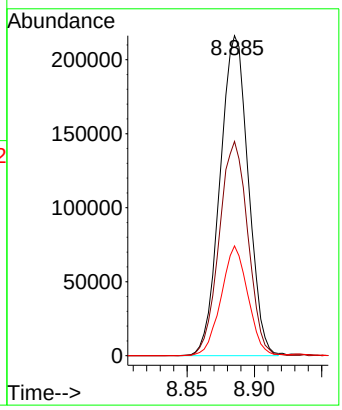


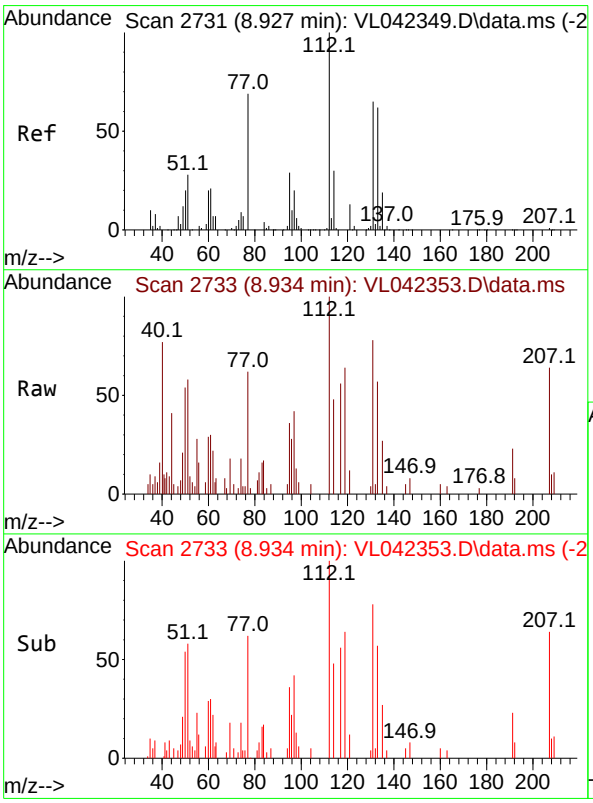
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 315004

Ion	Ratio	Lower	Upper
117	100		
82	68.1	57.8	86.6
119	33.0	25.2	37.8

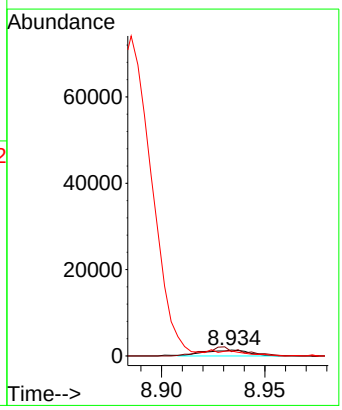


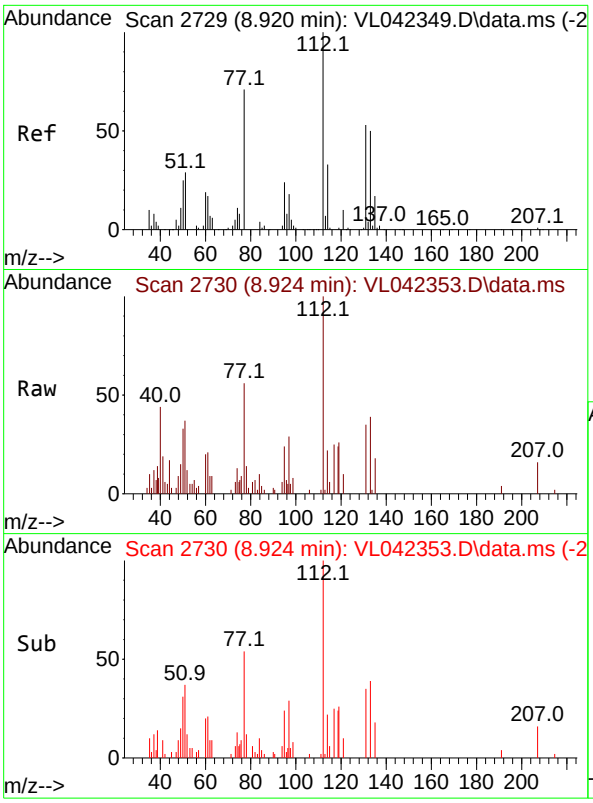


#56
1,1,1,2-Tetrachloroethane
Concen: 0.107 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:131 Resp: 2031

Ion	Ratio	Lower	Upper
131	100		
133	134.2	78.3	117.5#
119	0.0	48.7	73.1#



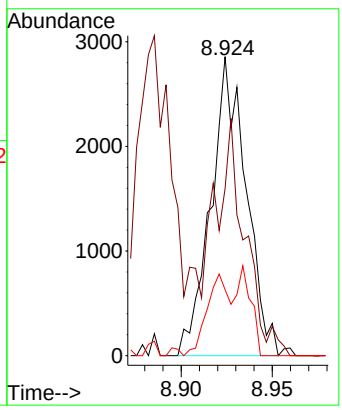


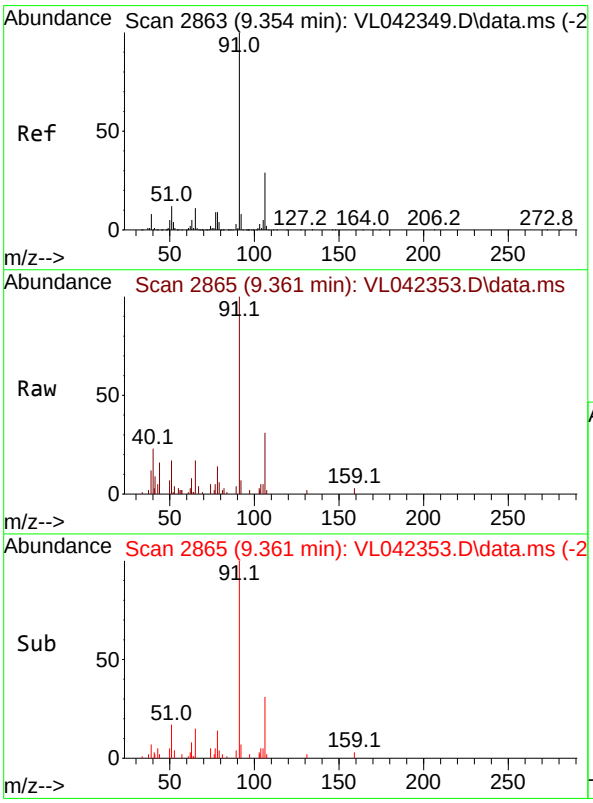
#57
Chlorobenzene
Concen: 0.117 ppbv
RT: 8.924 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 3842

Ion	Ratio	Lower	Upper
112	100		
77	50.6	57.8	86.6#
114	22.1	29.3	35.9#

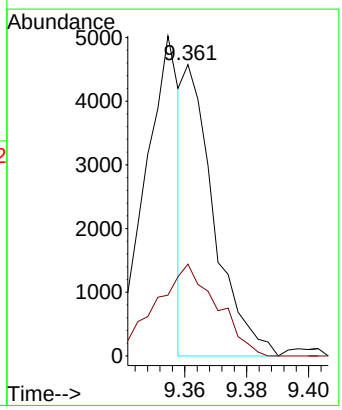


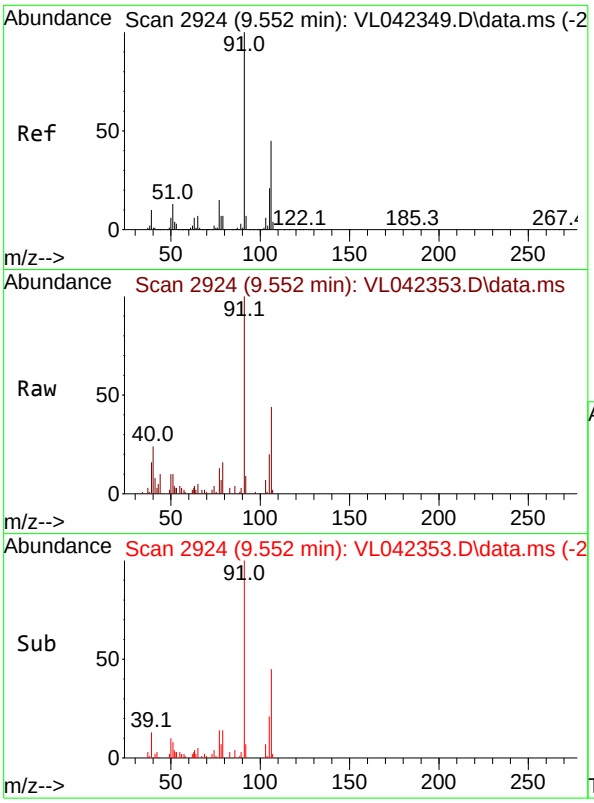


#58
Ethyl Benzene
Concen: 0.050 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 91 Resp: 3105

Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.0	34.4



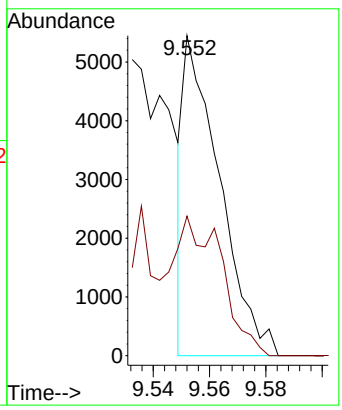


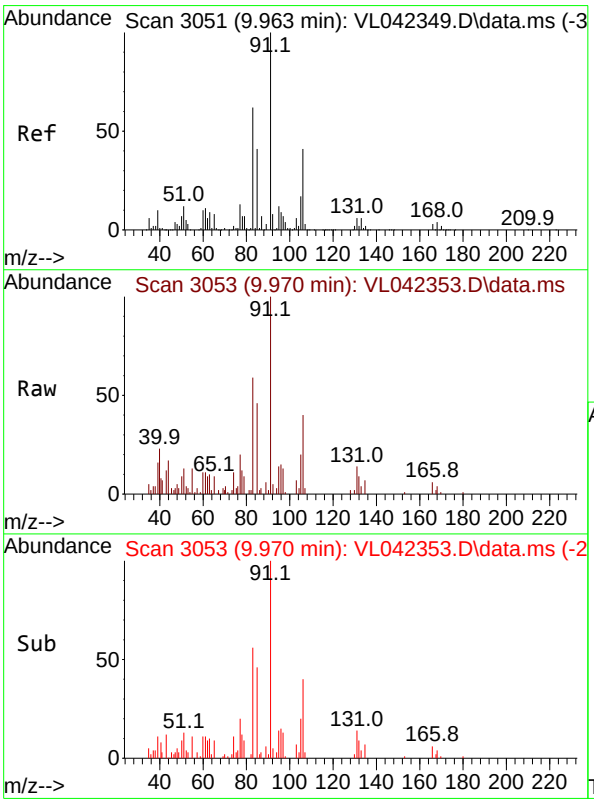
#59
m/p-Xylene
Concen: 0.096 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 4844

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

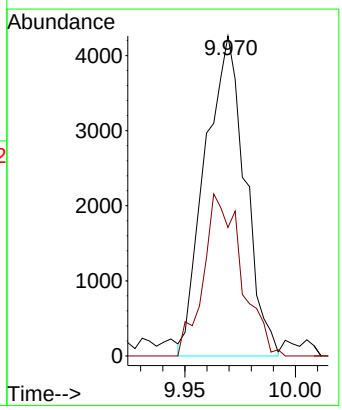


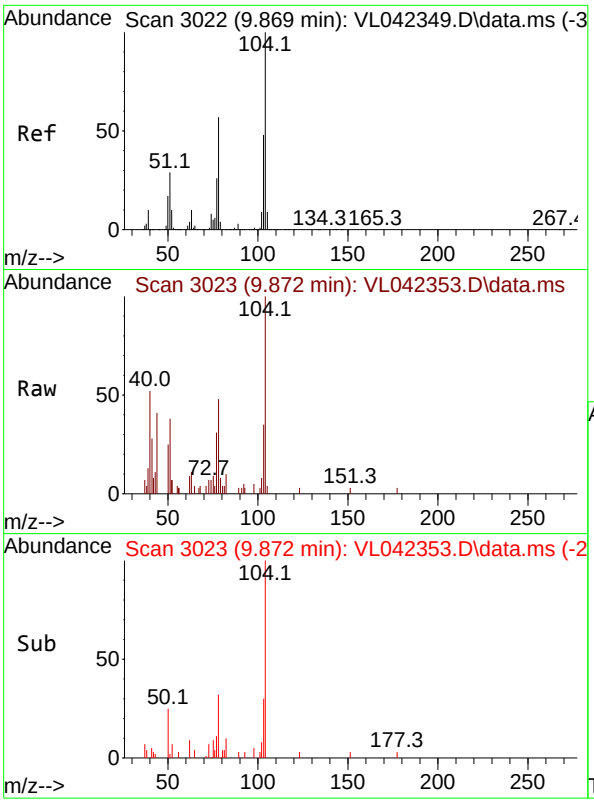


#60
o-Xylene
Concen: 0.106 ppbv
RT: 9.970 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 91 Resp: 5359

Ion	Ratio	Lower	Upper
91	100		
106	48.3	21.1	63.4



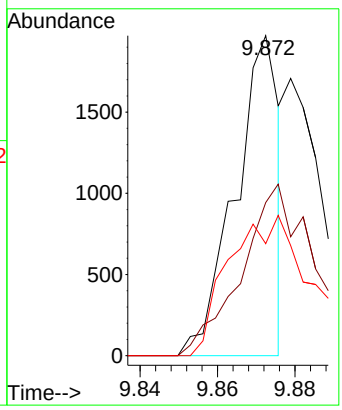


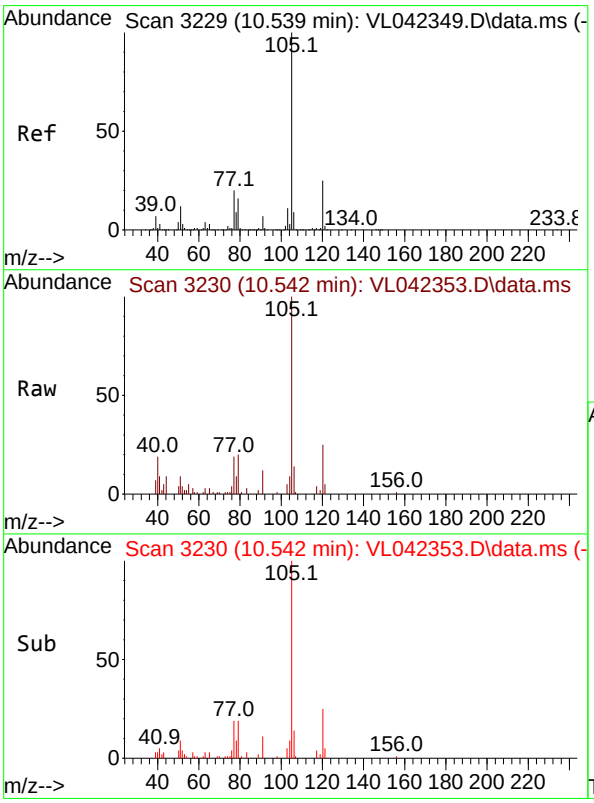
#61
Styrene
Concen: 0.064 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 1549

Ion	Ratio	Lower	Upper
104	100		
78	0.0	44.6	66.8#
103	0.0	37.4	56.0#

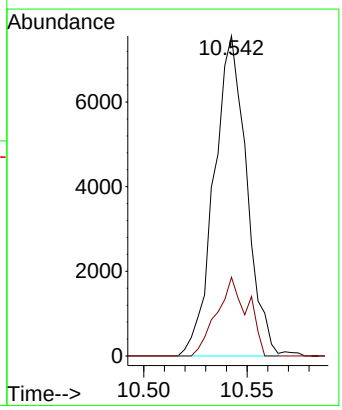


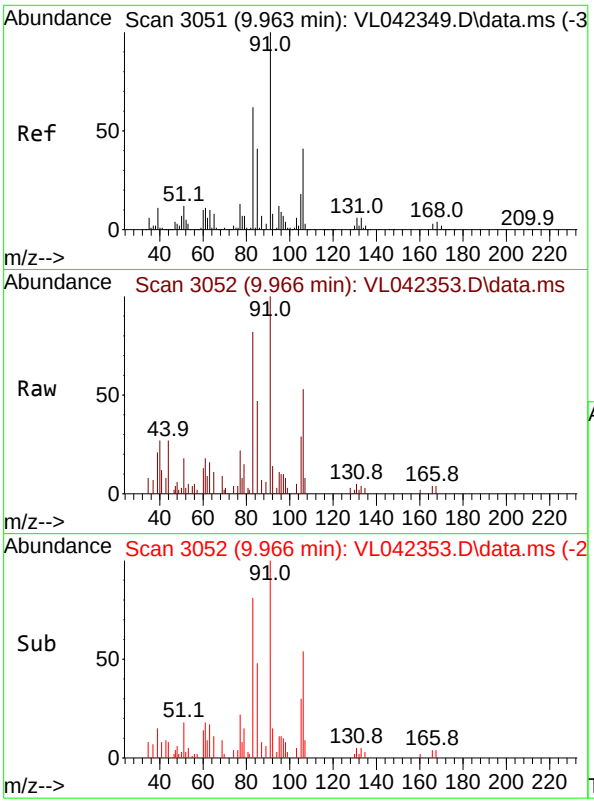


#62
Isopropylbenzene
Concen: 0.111 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:105 Resp: 8285

Ion	Ratio	Lower	Upper
105	100		
120	23.5	19.8	29.8



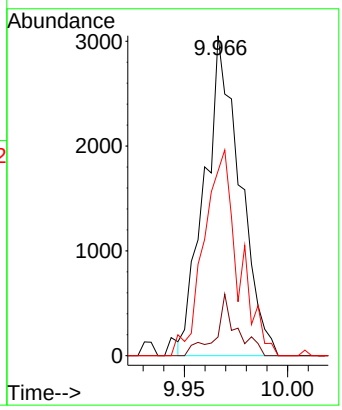


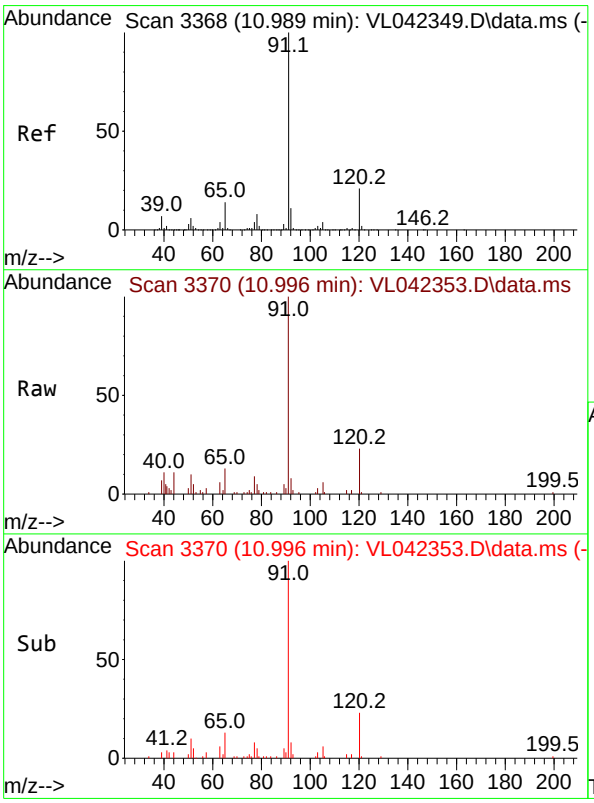
#63
1,1,2,2-Tetrachloroethane
Concen: 0.111 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 3646

Ion	Ratio	Lower	Upper
83	100		
131	11.4	4.5	13.7
85	62.7	32.4	97.0

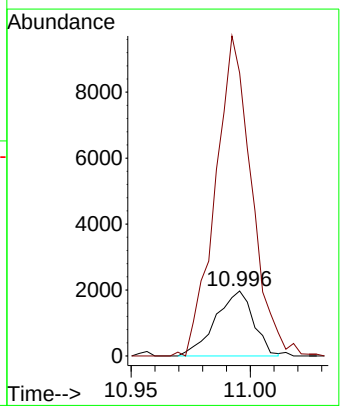


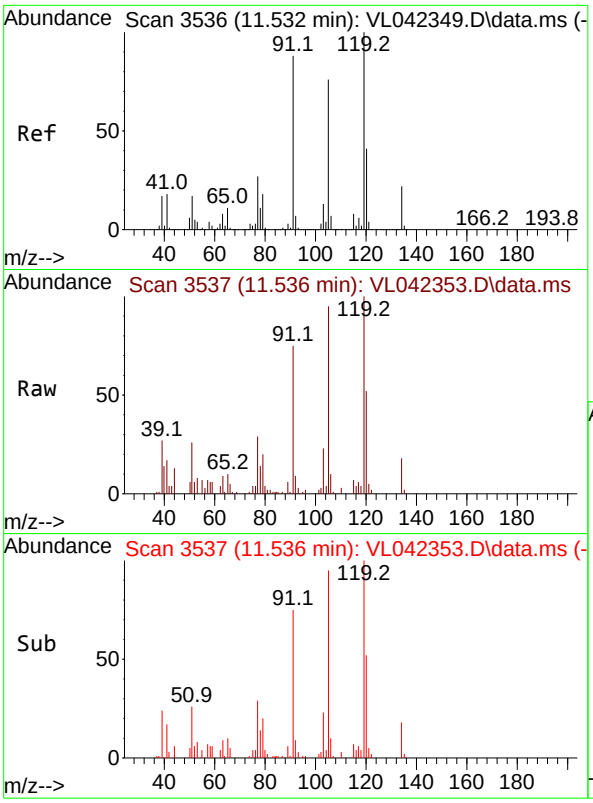


#64
n-propylbenzene
Concen: 0.117 ppbv
RT: 10.996 min Scan# 3370
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:120 Resp: 2186

Ion	Ratio	Lower	Upper
120	100		
91	471.4	392.4	588.6



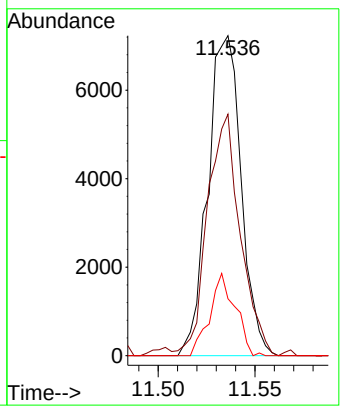


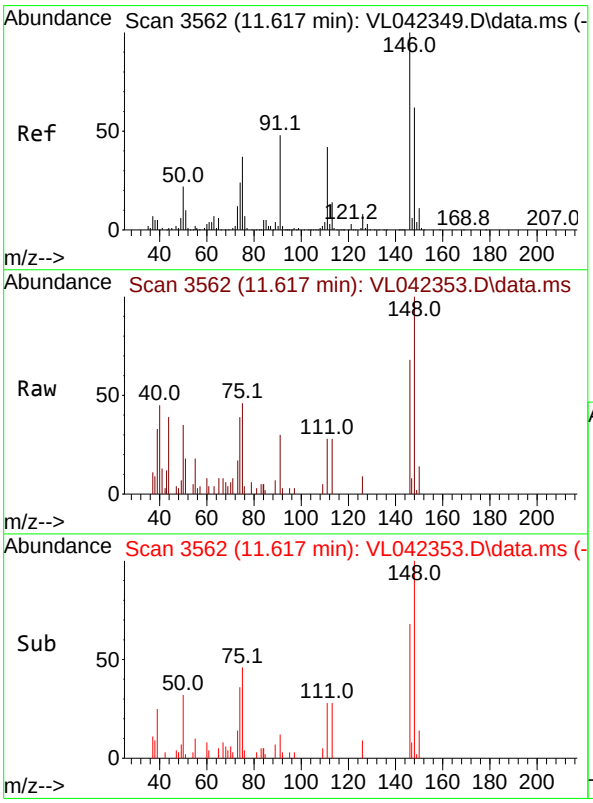
#65
tert-Butylbenzene
Concen: 0.127 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 8656

Ion	Ratio	Lower	Upper
119	100		
91	77.2	74.6	111.8
134	19.6	18.8	28.2

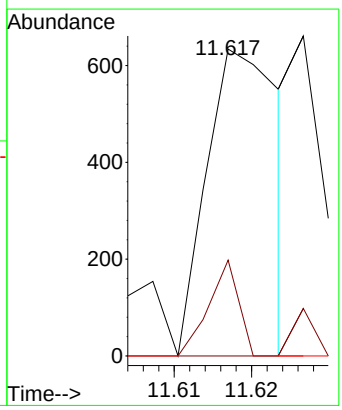


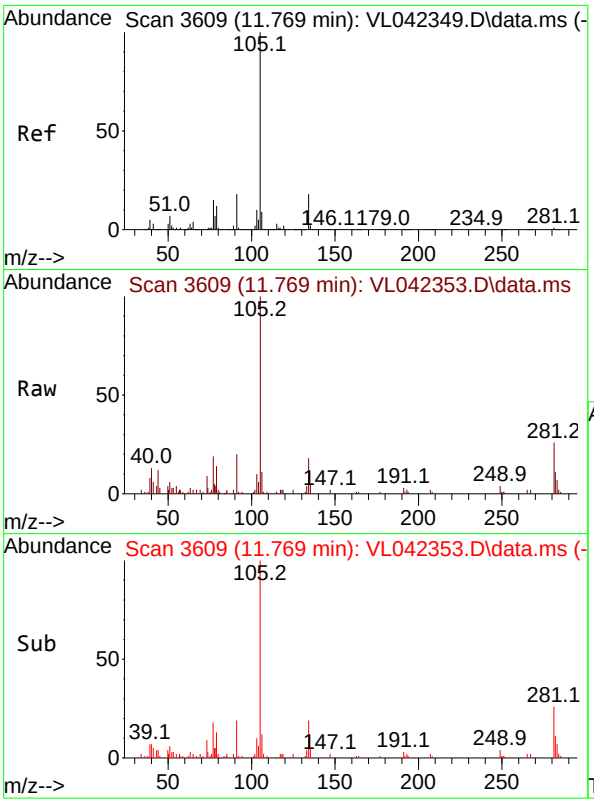


#66
Benzyl Chloride
Concen: 0.055 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 91 Resp: 414

Ion	Ratio	Lower	Upper
91	100		
126	23.2	11.8	17.6#
128	0.0	4.5	6.7#



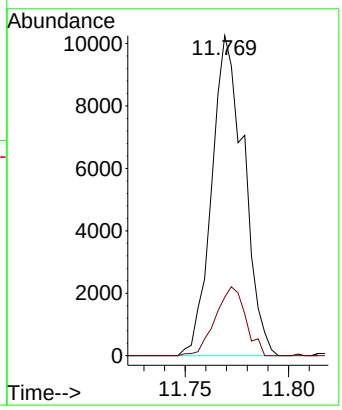


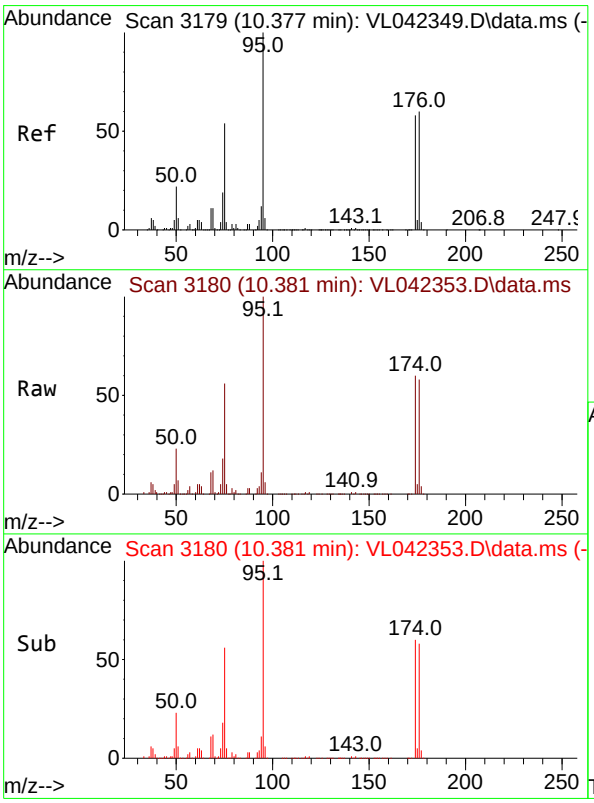
#67
sec-Butylbenzene
Concen: 0.117 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 11126

Ion	Ratio	Lower	Upper
105	100		
134	20.2	14.6	21.8

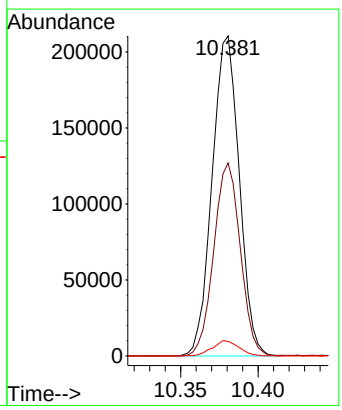


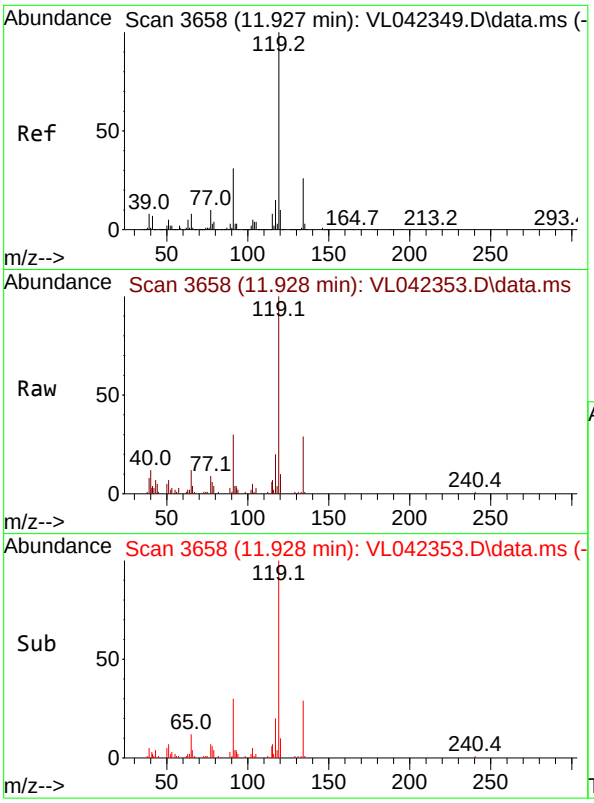


#68
1-Bromo-4-Fluorobenzene
Concen: 9.906 ppbv
RT: 10.381 min Scan# 3180
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 95 Resp: 256417

Ion	Ratio	Lower	Upper
95	100		
174	59.3	48.5	72.7
175	4.7	3.7	5.5



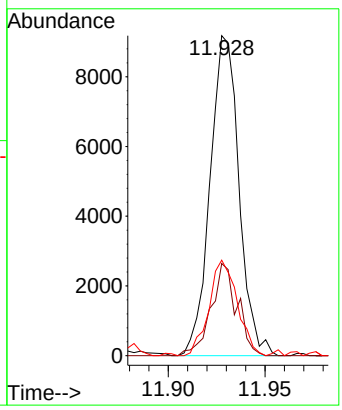


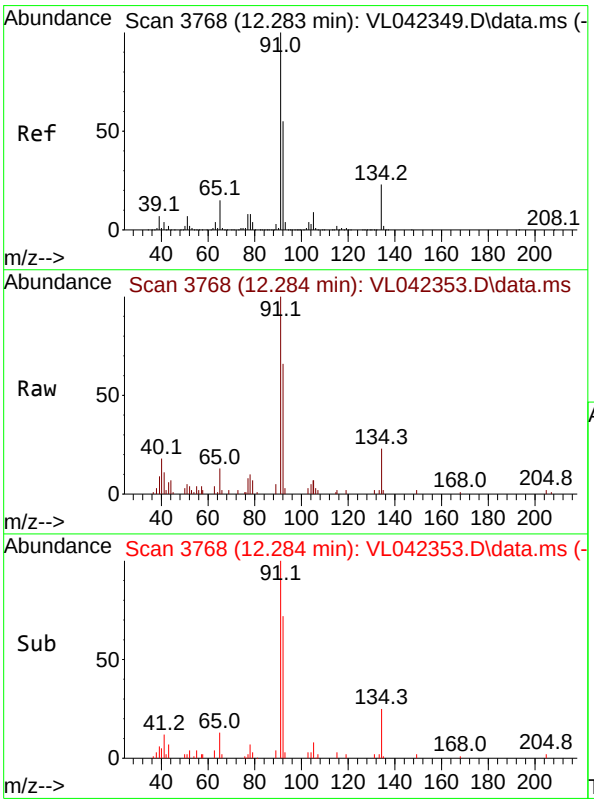
#69
p-Isopropyltoluene
Concen: 0.115 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 9534

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.0	30.0
91	31.6	24.4	36.6

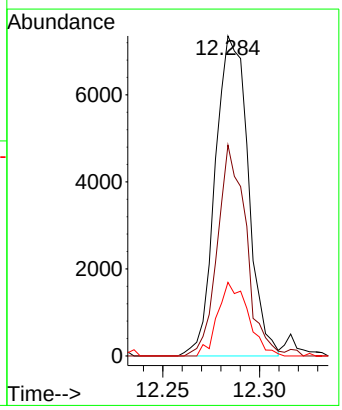


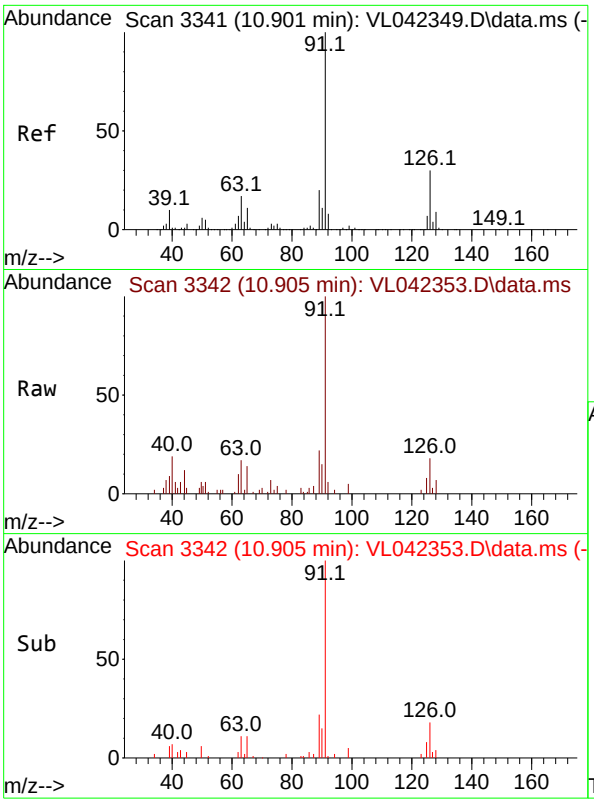


#70
n-Butylbenzene
Concen: 0.101 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 91 Resp: 8684

Ion	Ratio	Lower	Upper
91	100		
92	58.0	44.2	66.4
134	21.3	18.2	27.4



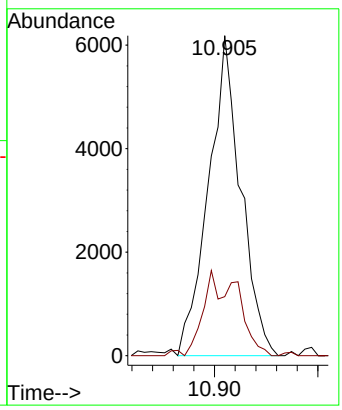


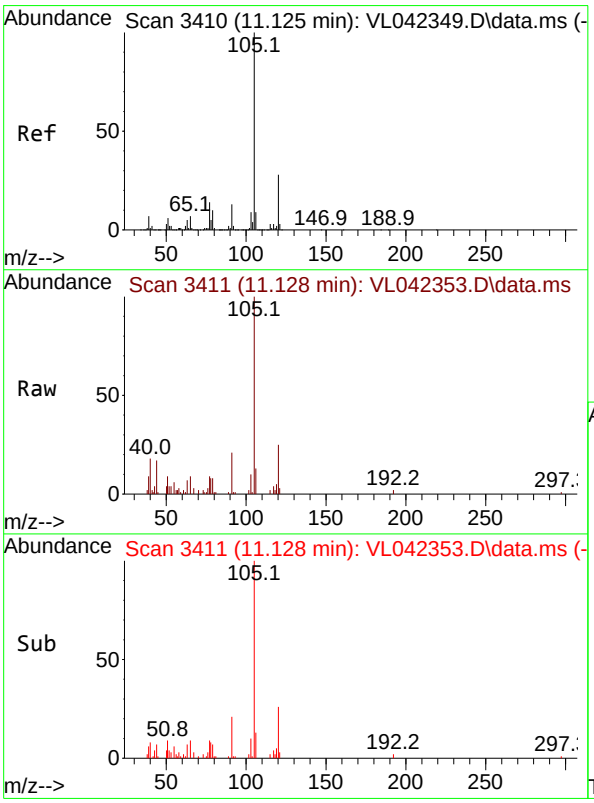
#71
2-Chlorotoluene
Concen: 0.115 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 6703

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.4	45.4

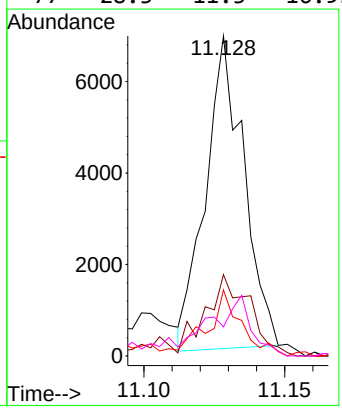


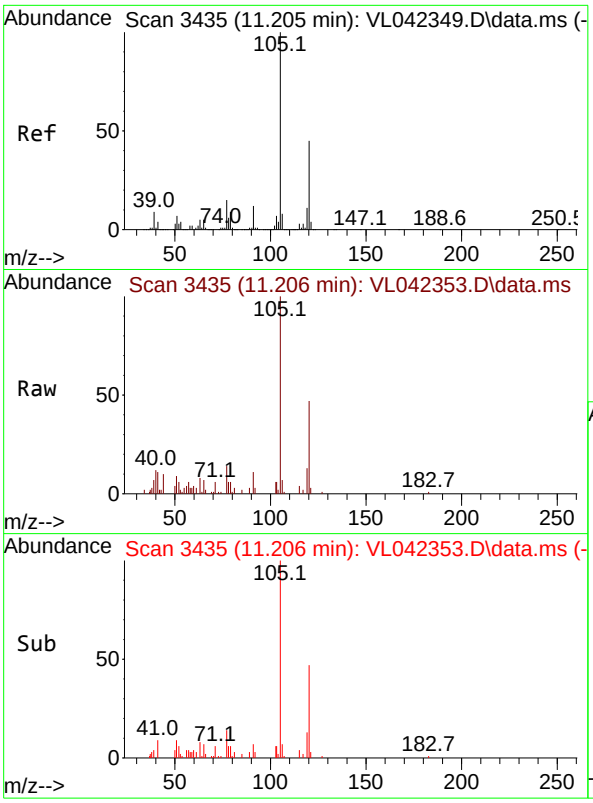


#72
4-Ethyltoluene
Concen: 0.104 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:105 Resp: 6463

Ion	Ratio	Lower	Upper
105	100		
120	34.1	23.2	34.8
91	24.5	10.4	15.6#
77	28.3	11.3	16.9#



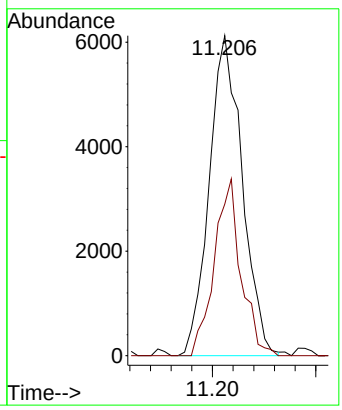


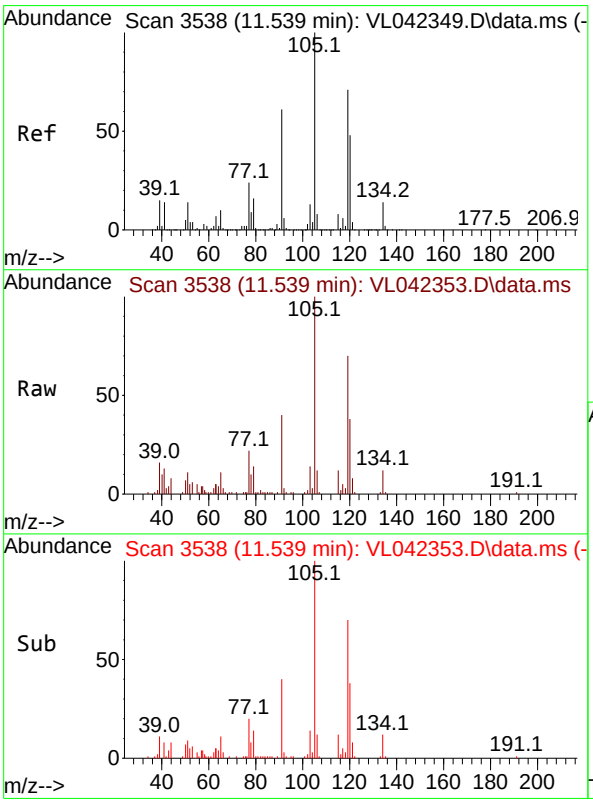
#73
1,3,5-Trimethylbenzene
Concen: 0.124 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 6797

Ion	Ratio	Lower	Upper
105	100		
120	47.4	35.6	53.4

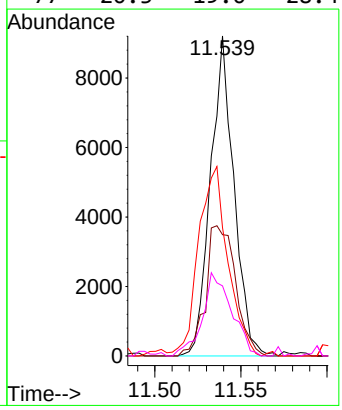


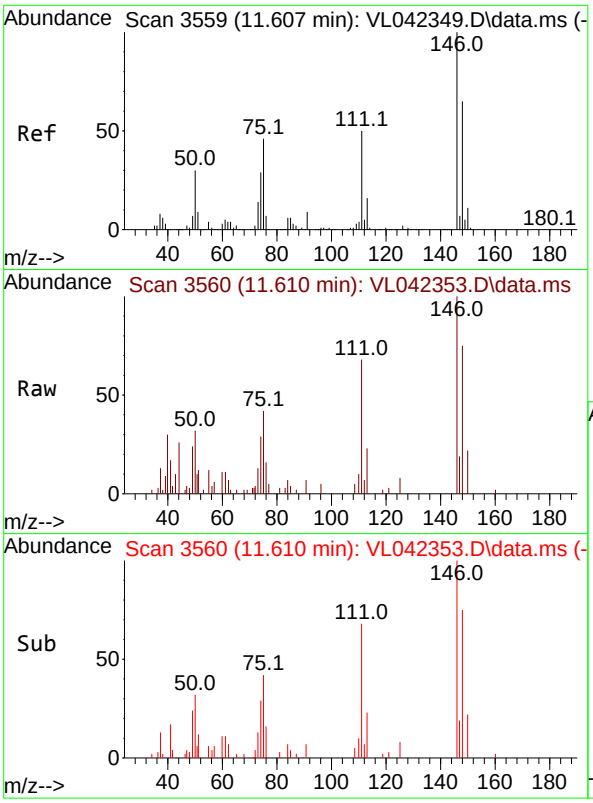


#74
1,2,4-Trimethylbenzene
Concen: 0.137 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:105 Resp: 8745

Ion	Ratio	Lower	Upper
105	100		
120	37.9	38.1	57.1#
91	40.1	48.8	73.2#
77	20.3	19.0	28.4



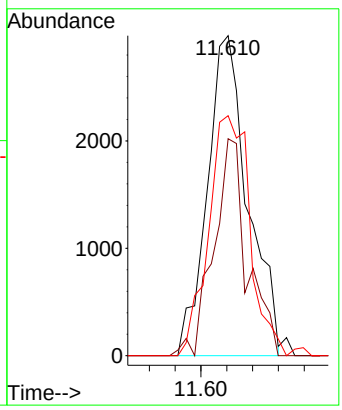


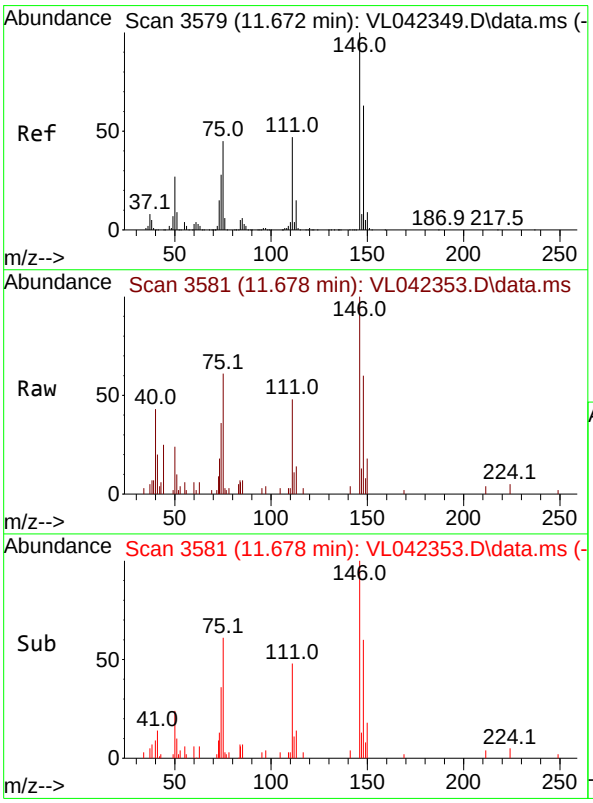
#75
1,3-Dichlorobenzene
Concen: 0.098 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 3258

Ion	Ratio	Lower	Upper
146	100		
111	55.9	24.3	72.8
148	77.0	31.6	94.8

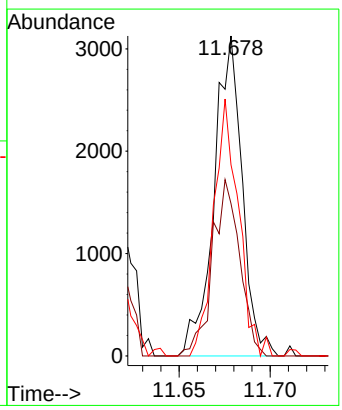


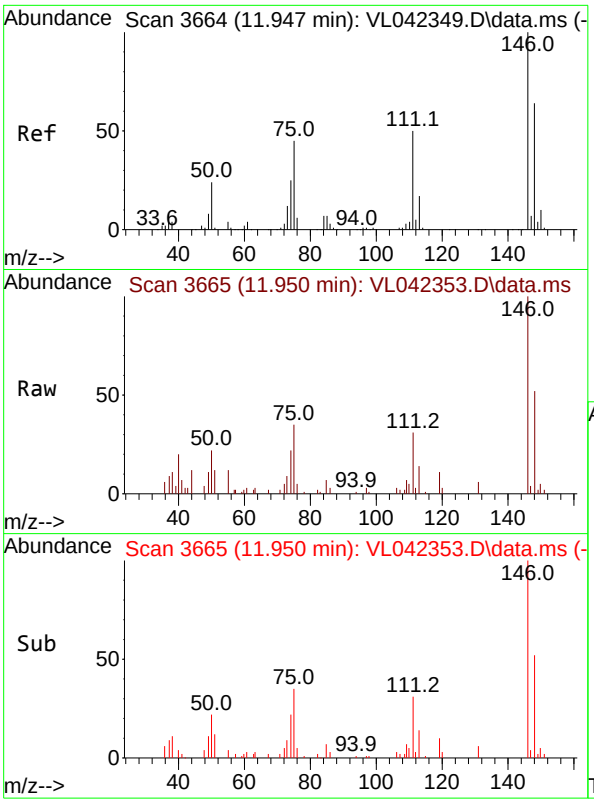


#76
1,4-Dichlorobenzene
Concen: 0.101 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:146 Resp: 3366

Ion	Ratio	Lower	Upper
146	100		
111	53.5	24.2	72.6
148	71.3	32.1	96.5



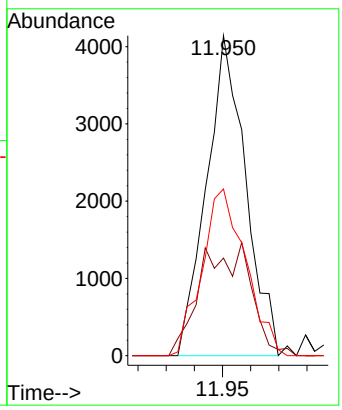


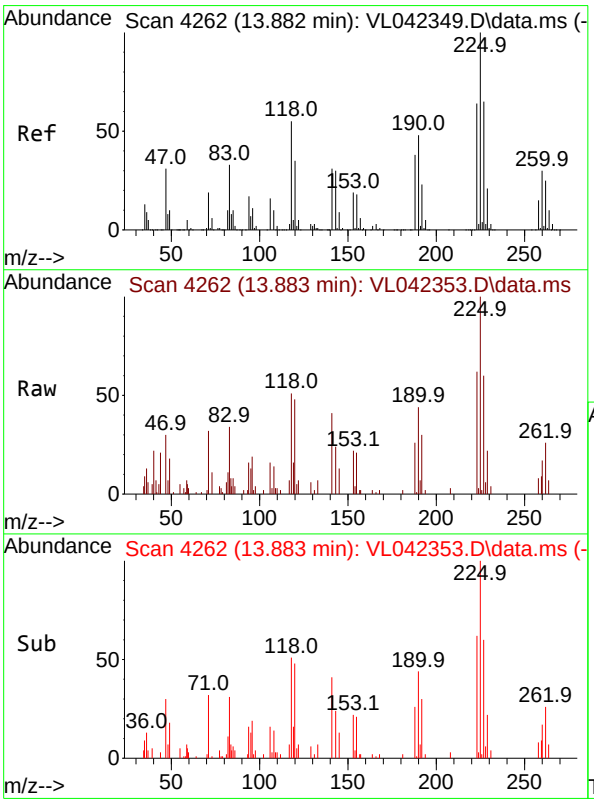
#77
1,2-Dichlorobenzene
Concen: 0.124 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 3996

Ion	Ratio	Lower	Upper
146	100		
111	45.1	25.3	75.9
148	58.1	31.5	94.5

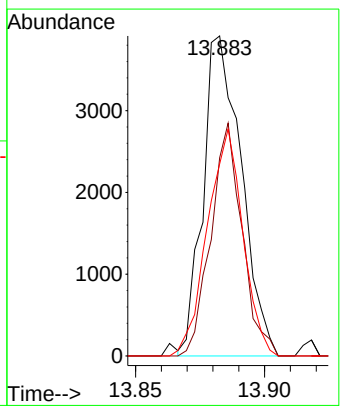


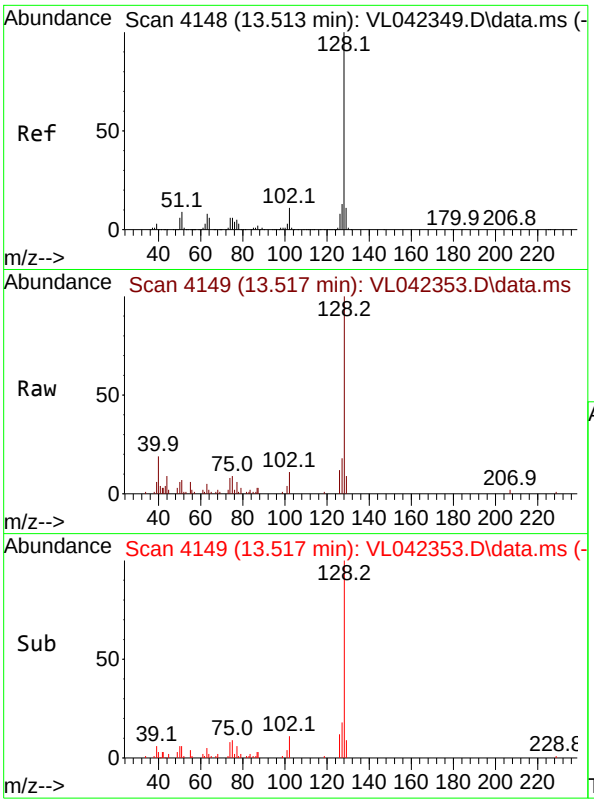


#78
Hexachloro-1,3-Butadiene
Concen: 0.124 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:225 Resp: 4030

Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.3	75.5
227	65.9	51.5	77.3



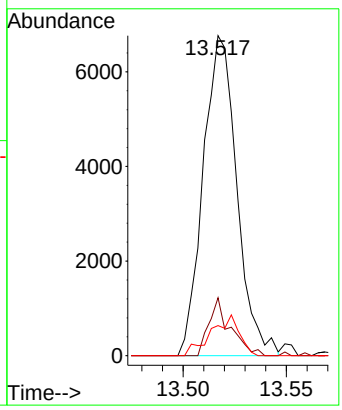


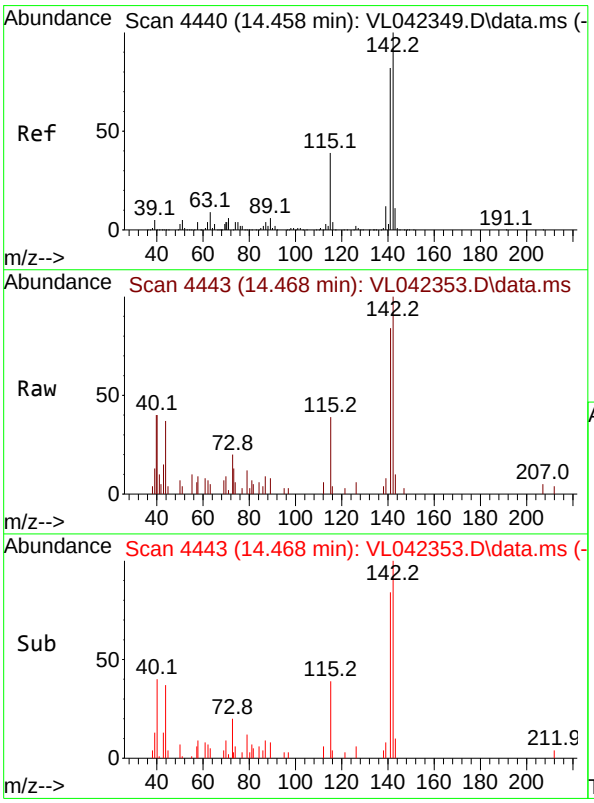
#79
Naphthalene
Concen: 0.100 ppbv
RT: 13.517 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 7664

Ion	Ratio	Lower	Upper
128	100		
127	18.1	10.6	15.8#
129	9.4	8.6	12.8

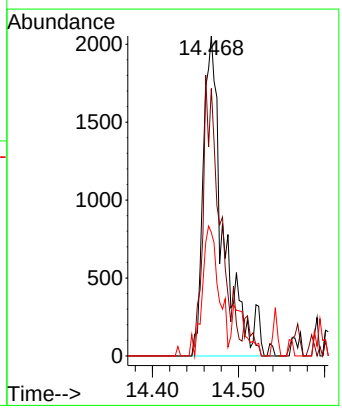


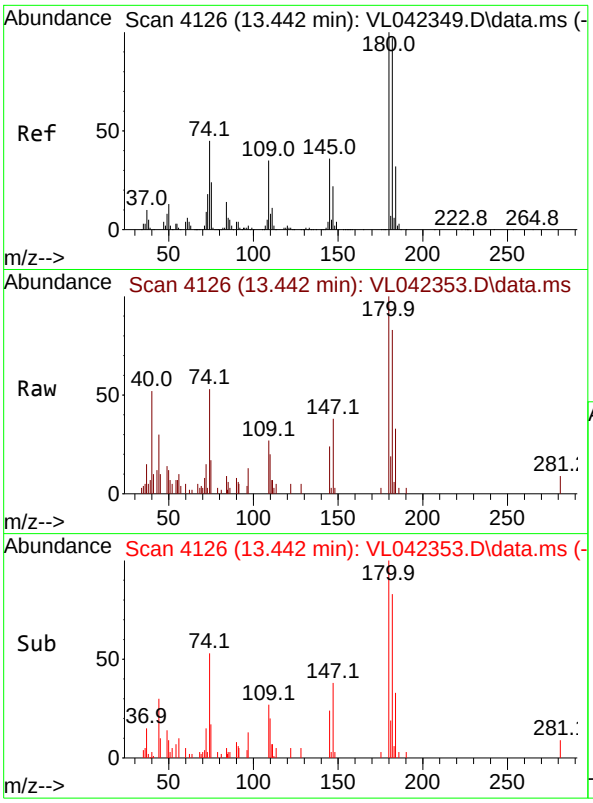


#80
Naphthalene,2-methyl-
Concen: 0.077 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:142 Resp: 3339

Ion	Ratio	Lower	Upper
142	100		
141	78.4	66.8	100.2
115	33.1	33.4	50.2#



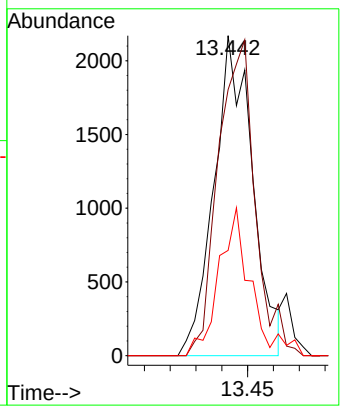


#81
1,2,4-Trichlorobenzene
Concen: 0.069 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 2245

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.8	115.2
184	38.4	24.6	36.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	349264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	312999	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	256230	9.962	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.479	51	1404	0.070	ppbv #	78
4) Chloromethane	1.534	50	773	0.092	ppbv #	72
5) Vinyl Chloride	1.583	62	361	0.040	ppbv #	76
6) Bromomethane	1.667	94	232	0.059	ppbv #	8
7) Chloroethane	1.699	64	237	0.072	ppbv #	46
8) Dichlorotetrafluoroethane	1.554	85	823	0.045	ppbv	95
9) Propene	1.486	41	508	0.055	ppbv #	15
10) Heptane	4.981	43	435	0.018	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	2.143	101	793	0.048	ppbv #	73
13) Ethanol	1.434	45	60931	81.065	ppbv	74
14) Bromoethene	1.787	108	207	0.033	ppbv #	1
15) Acetone	1.839	43	3597	0.183	ppbv #	89
16) 1,3-Butadiene	1.609	39	573	0.062	ppbv #	1
17) tert-Butyl alcohol	2.049	59	991	0.041	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	455	0.057	ppbv #	43
19) Isopropyl Alcohol	1.434	45	60931	5.582	ppbv #	33
20) Methylene Chloride	2.065	84	2904	0.377	ppbv	86
21) Allyl Chloride	2.097	41	1132	0.083	ppbv #	1
22) trans-1,2-Dichloroethene	2.340	96	287	0.033	ppbv #	32
23) Vinyl Acetate	2.466	43	490	0.062	ppbv #	86
24) 1,1-Dichloroethane	2.415	63	1030	0.062	ppbv #	74
25) Ethyl Acetate	2.835	43	2744	0.057	ppbv #	75
26) Hexane	2.832	57	2398	0.122	ppbv #	65
27) Carbon Disulfide	2.152	76	984	0.047	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	426	0.033	ppbv #	48
30) Cyclohexane	3.855	84	311	0.020	ppbv #	1
31) cis-1,2-Dichloroethene	2.725	61	831	0.045	ppbv #	86
32) 1,1,1-Trichloroethane	3.373	97	809	0.027	ppbv #	52
34) 2-Butanone	2.564	43	510	0.018	ppbv #	53
35) Carbon Tetrachloride	3.768	117	862	0.027	ppbv #	45
36) Benzene	3.667	78	1629	0.043	ppbv #	75
38) Trichloroethene	4.557	130	271	0.016	ppbv #	27
39) 1,2-Dichloropropane	3.965	63	90827	6.465	ppbv #	22
40) 1,4-Dioxane	4.625	88	139	0.018	ppbv #	1
42) Bromodichloromethane	4.496	83	1093	0.035	ppbv #	82
43) Methyl Methacrylate	4.891	69	354	0.021	ppbv #	3
44) 2,2,4-Trimethylpentane	4.641	57	1377	0.021	ppbv #	1
45) t-1,3-Dichloropropene	6.415	75	183	0.011	ppbv	100
46) cis-1,3-Dichloropropene	5.606	75	546	0.026	ppbv #	37
47) 1,1,2-Trichloroethane	6.590	97	225	0.016	ppbv #	40
48) Dibromochloromethane	7.399	129	258	0.010	ppbv #	10
49) Bromoform	9.493	173	285	0.013	ppbv #	1
53) Toluene	6.943	91	464	0.010	ppbv #	1

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

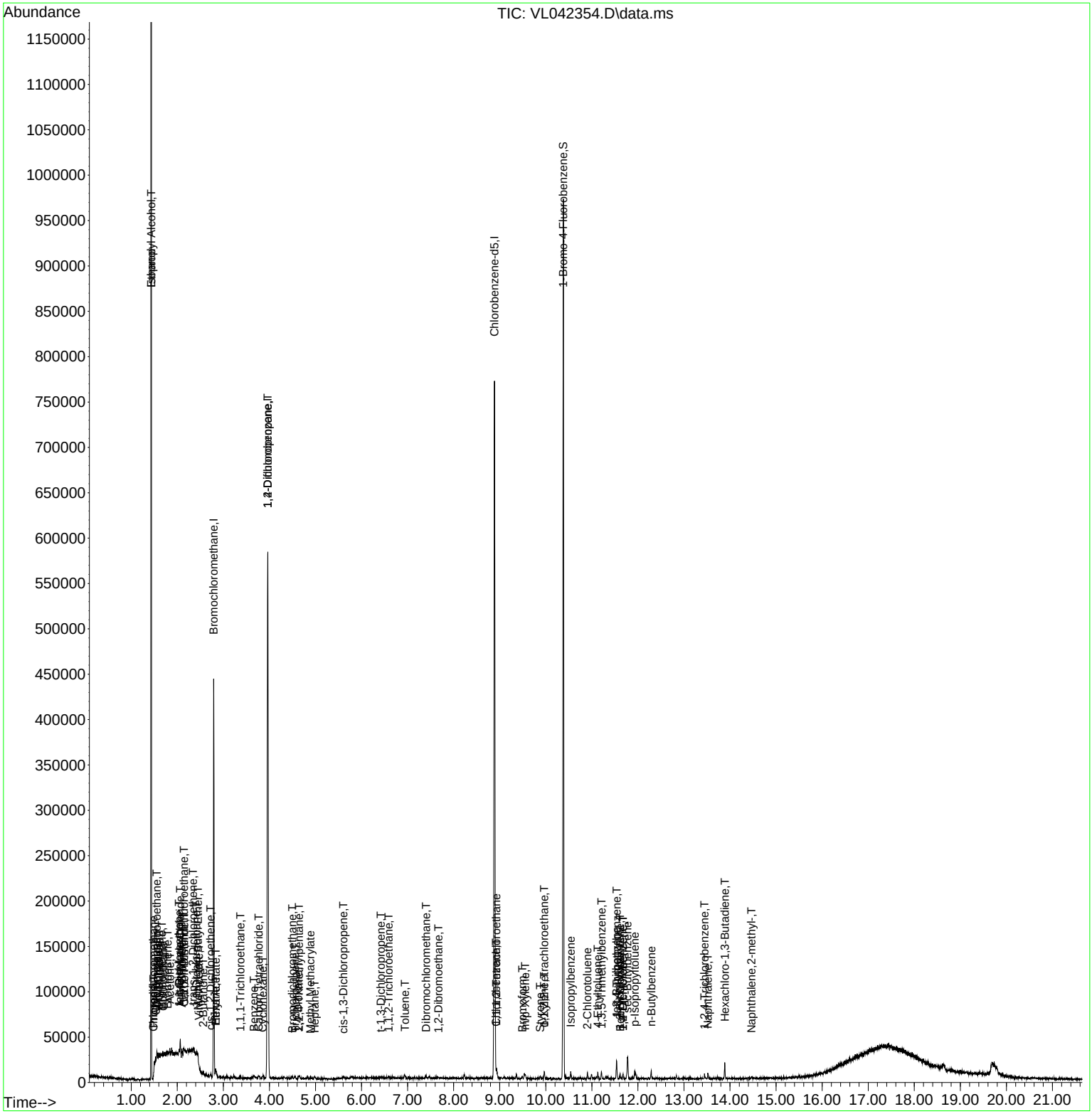
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,2-Dibromoethane	7.668	107	422	0.021	ppbv	#	12
56) 1,1,1,2-Tetrachloroethane	8.927	131	589	0.031	ppbv	#	1
57) Chlorobenzene	8.920	112	567	0.017	ppbv	#	74
59) m/p-Xylene	9.555	91	1648	0.033	ppbv	#	32
60) o-Xylene	9.966	91	1938	0.039	ppbv		84
61) Styrene	9.875	104	813	0.034	ppbv		93
62) Isopropylbenzene	10.542	105	2934	0.040	ppbv		92
63) 1,1,2,2-Tetrachloroethane	9.966	83	826	0.025	ppbv	#	58
65) tert-Butylbenzene	11.536	119	2656	0.039	ppbv		90
66) Benzyl Chloride	11.620	91	130	0.017	ppbv	#	70
67) sec-Butylbenzene	11.772	105	3658	0.039	ppbv	#	85
69) p-Isopropyltoluene	11.930	119	3139	0.038	ppbv		94
70) n-Butylbenzene	12.290	91	2516	0.029	ppbv	#	81
71) 2-Chlorotoluene	10.901	91	2537	0.044	ppbv		99
72) 4-Ethyltoluene	11.128	105	2221	0.036	ppbv	#	69
73) 1,3,5-Trimethylbenzene	11.212	105	2473	0.046	ppbv	#	86
74) 1,2,4-Trimethylbenzene	11.539	105	4320	0.068	ppbv	#	80
75) 1,3-Dichlorobenzene	11.613	146	1056	0.032	ppbv		91
76) 1,4-Dichlorobenzene	11.671	146	1180	0.036	ppbv		95
77) 1,2-Dichlorobenzene	11.671	146	1180	0.037	ppbv		93
78) Hexachloro-1,3-Butadiene	13.889	225	1879	0.058	ppbv		92
79) Naphthalene	13.516	128	2354	0.031	ppbv	#	84
80) Naphthalene,2-methyl-	14.468	142	594	0.014	ppbv	#	52
81) 1,2,4-Trichlorobenzene	13.445	180	614	0.019	ppbv	#	71

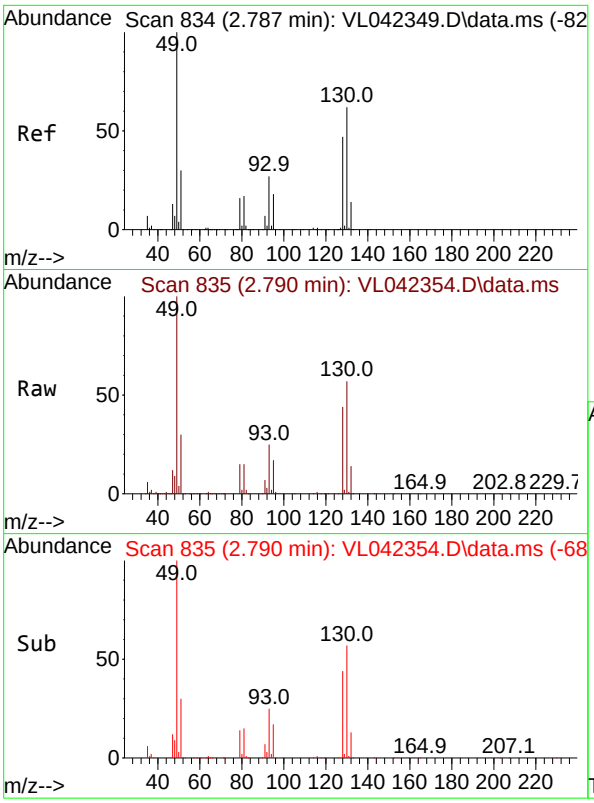
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042354.D
Acq On : 17 Apr 2025 12:22
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Apr 18 02:07:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



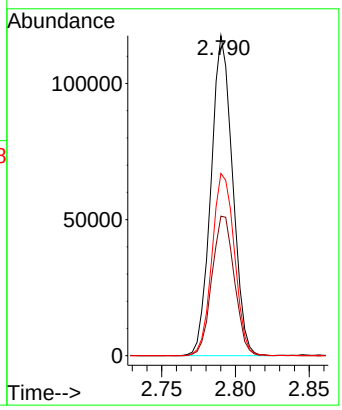


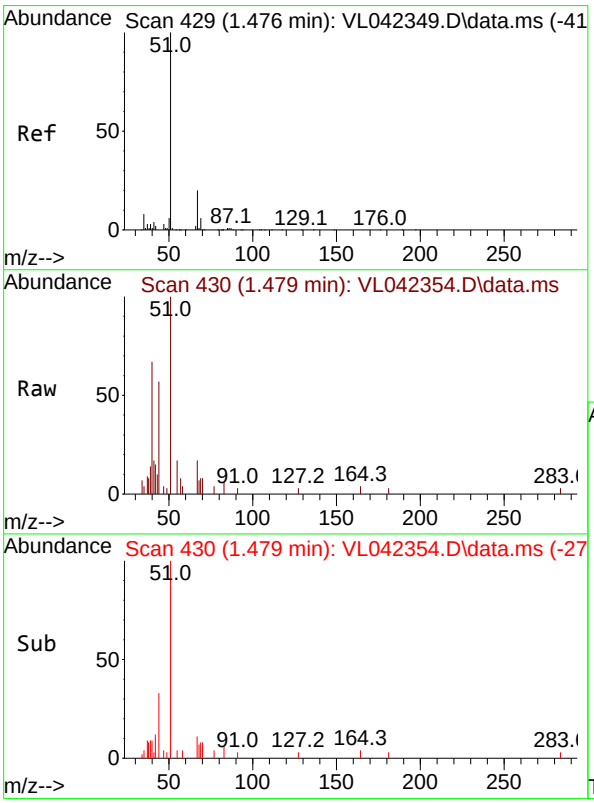
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 120042

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	59.0	29.3	88.0

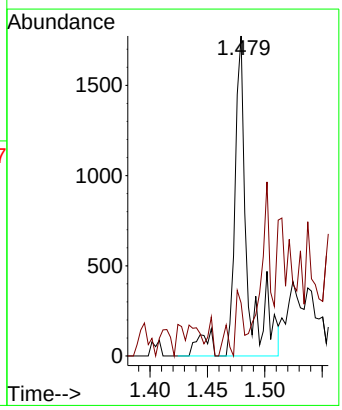


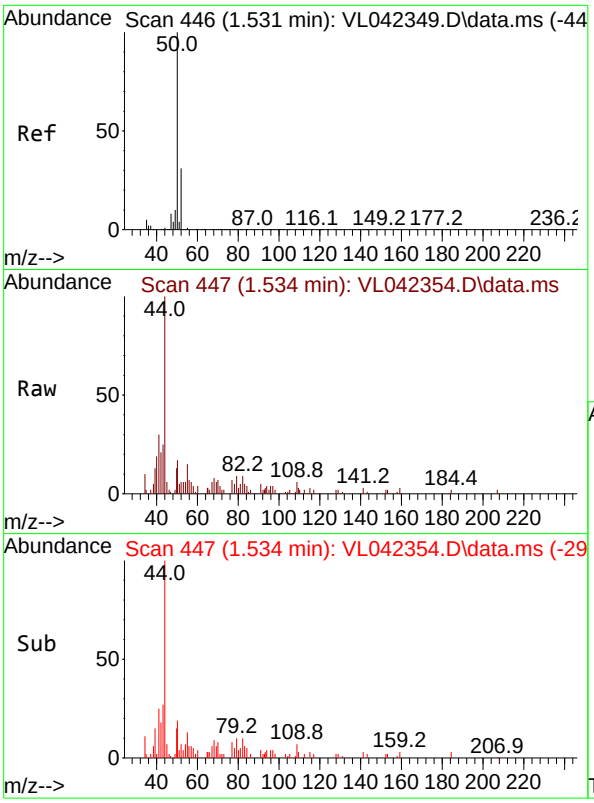


#3
Chlorodifluoromethane
Concen: 0.070 ppbv
RT: 1.479 min Scan# 430
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 51 Resp: 1404

Ion	Ratio	Lower	Upper
51	100		
67	30.7	16.2	24.4#



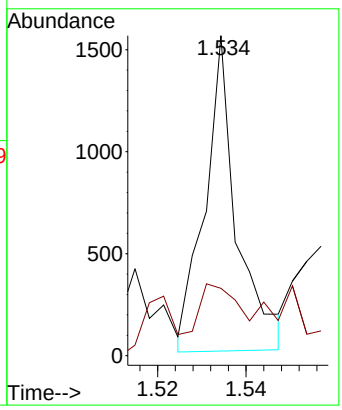


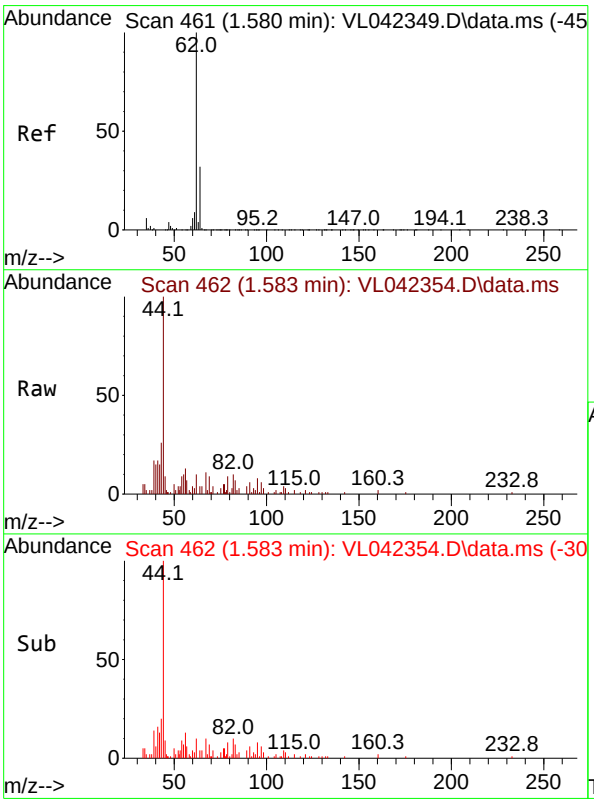
#4
Chloromethane
Concen: 0.092 ppbv
RT: 1.534 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 50 Resp: 773

Ion	Ratio	Lower	Upper
50	100		
52	15.3	24.7	37.1#

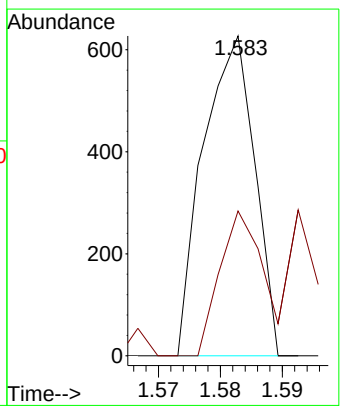


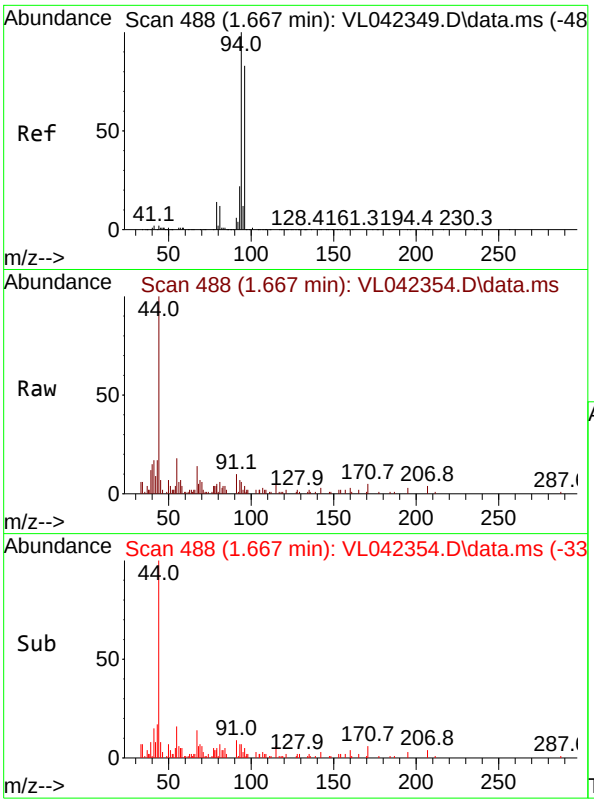


#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 62 Resp: 361

Ion	Ratio	Lower	Upper
62	100		
64	45.3	25.4	38.0#



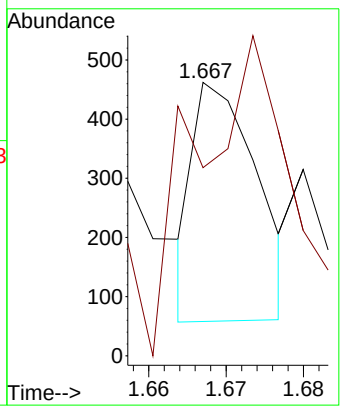


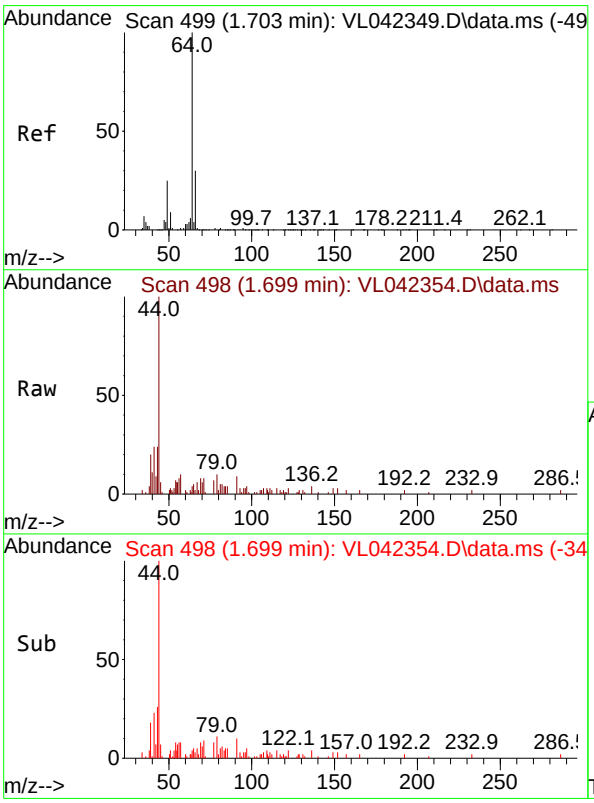
#6
Bromomethane
Concen: 0.059 ppbv
RT: 1.667 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 94 Resp: 232

Ion	Ratio	Lower	Upper
94	100		
96	0.0	66.2	99.2#

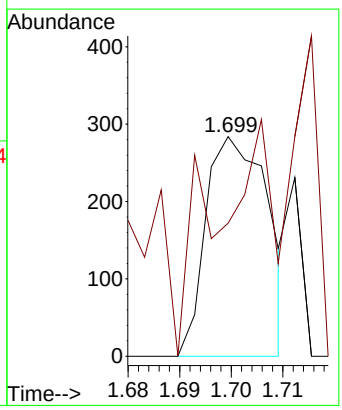


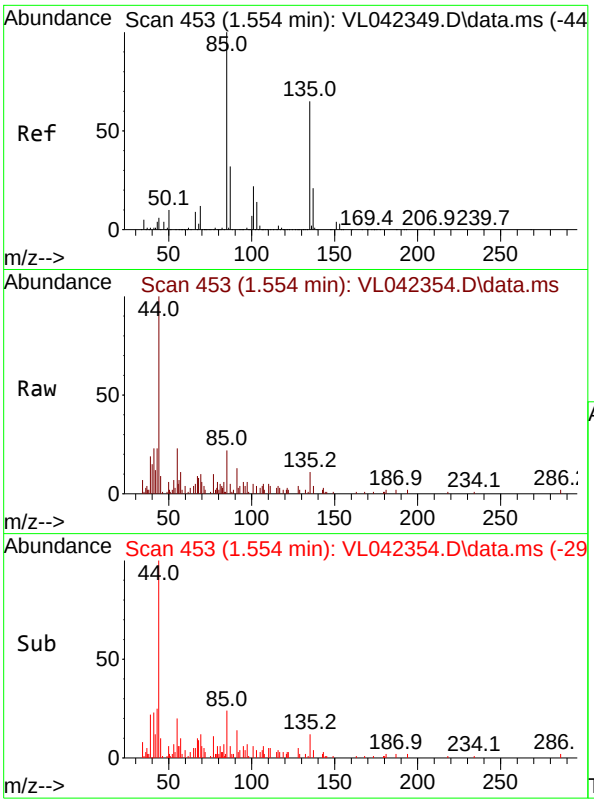


#7
Chloroethane
Concen: 0.072 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 64 Resp: 237

Ion	Ratio	Lower	Upper
64	100		
66	60.6	24.6	37.0#



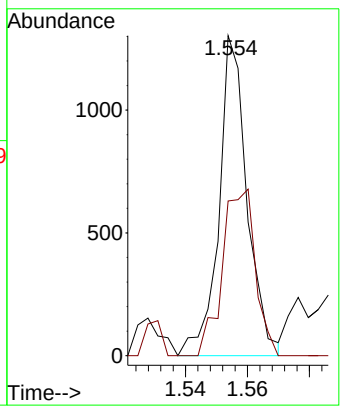


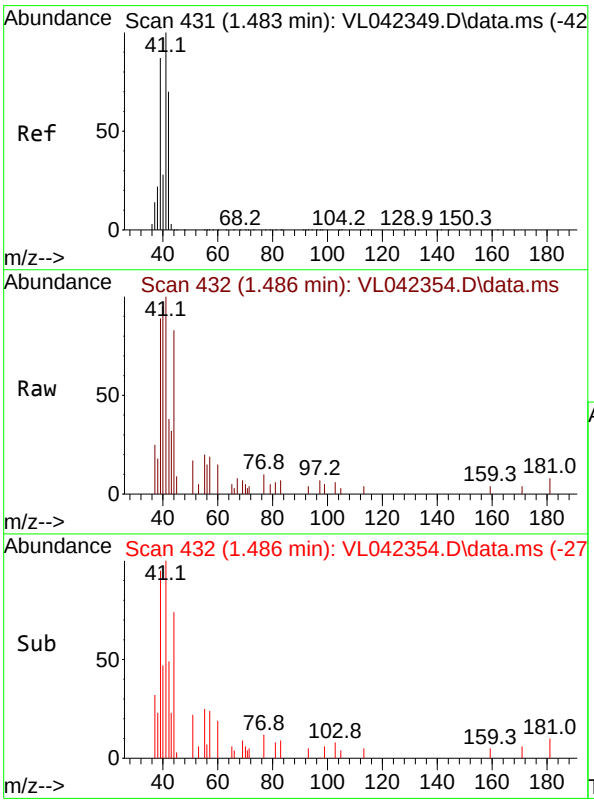
#8
Dichlorotetrafluoroethane
Concen: 0.045 ppbv
RT: 1.554 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 85 Resp: 823

Ion	Ratio	Lower	Upper
85	100		
135	69.1	52.2	78.2

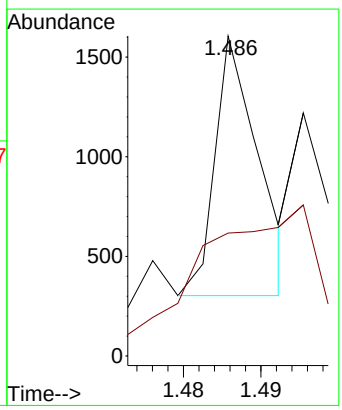


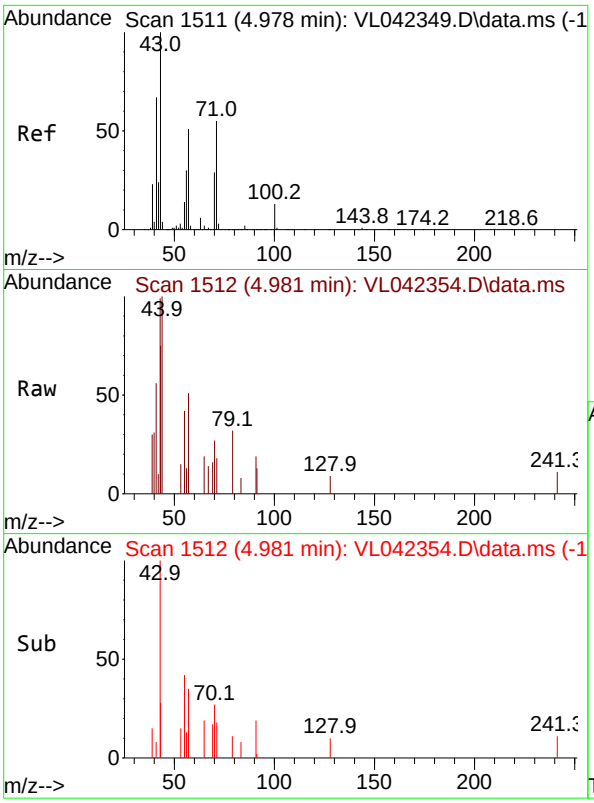


#9
Propene
Concen: 0.055 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 41 Resp: 508

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#



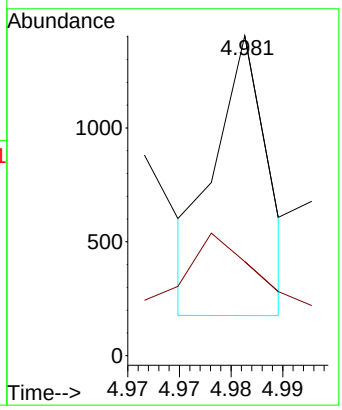


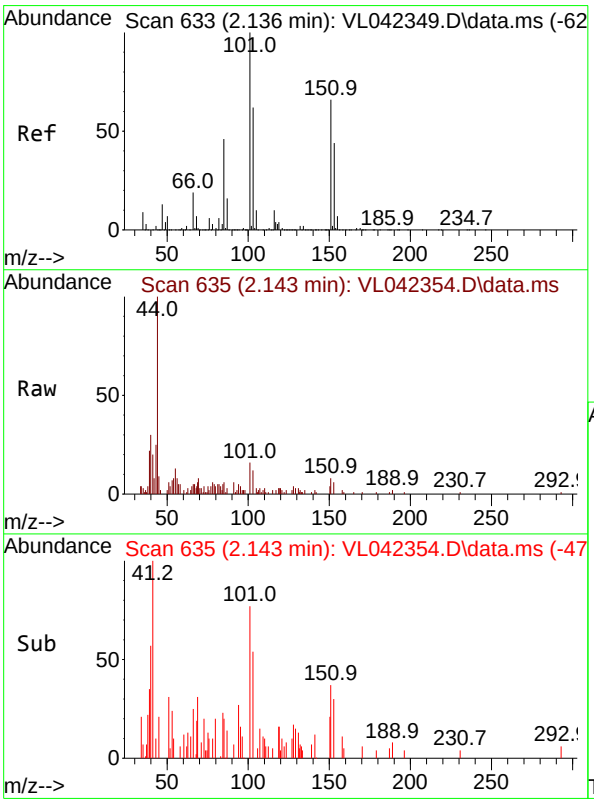
#10
Heptane
Concen: 0.018 ppbv
RT: 4.981 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 435

Ion	Ratio	Lower	Upper
43	100		
57	283.4	39.9	59.9#

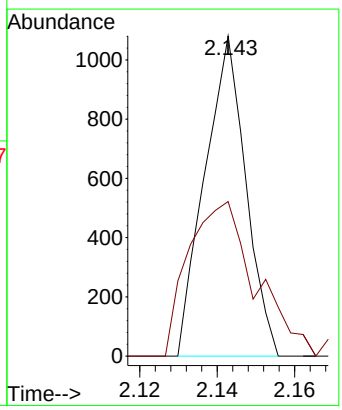


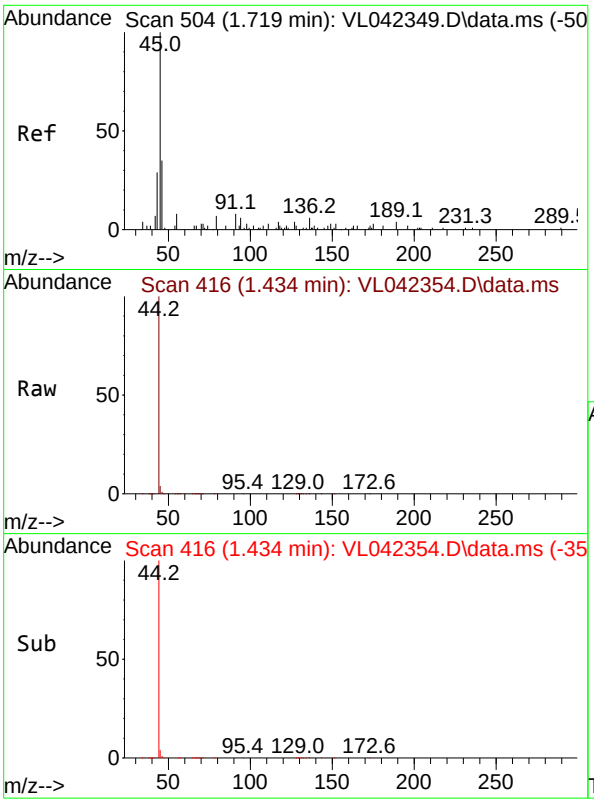


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.048 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:101 Resp: 793

Ion	Ratio	Lower	Upper
101	100		
151	93.3	57.0	85.6#



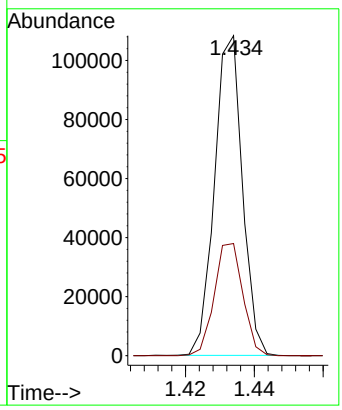


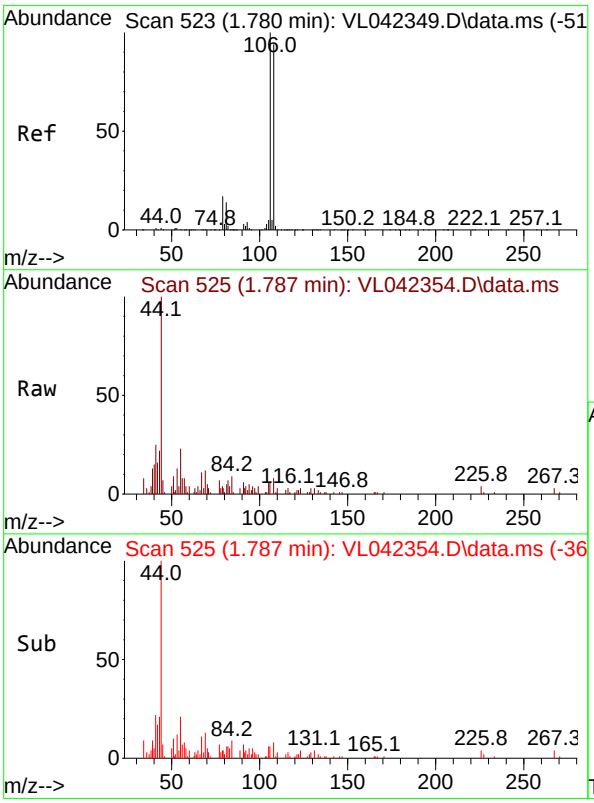
#13
Ethanol
Concen: 81.065 ppbv
RT: 1.434 min Scan# 4
Delta R.T. -0.285 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 60931

Ion	Ratio	Lower	Upper
45	100		
46	36.1	21.9	87.7

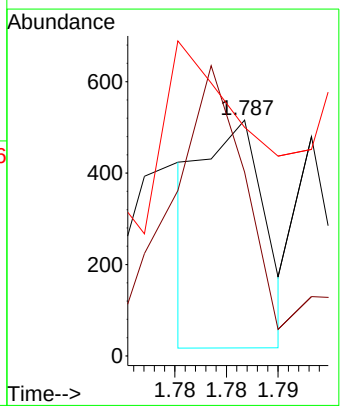


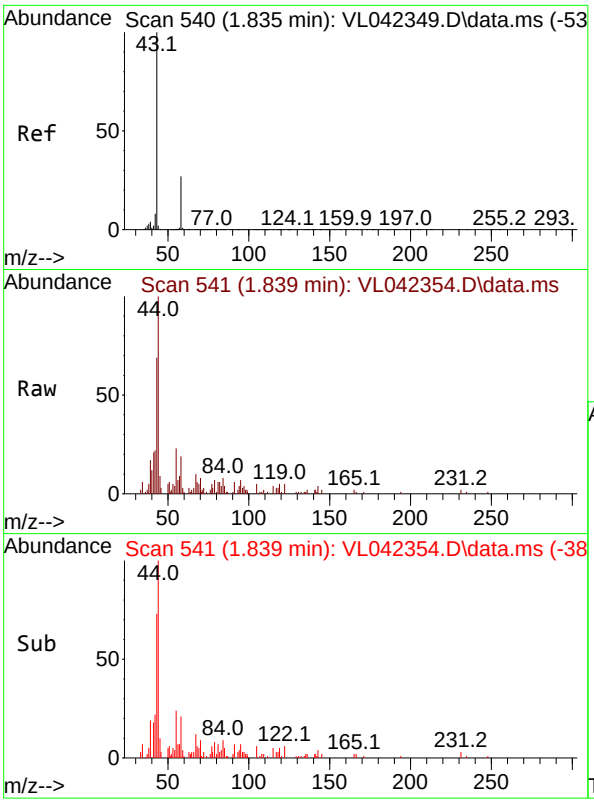


#14
Bromoethene
Concen: 0.033 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:108 Resp: 207

Ion	Ratio	Lower	Upper
108	100		
106	248.3	85.9	128.9#
79	0.0	13.9	20.9#



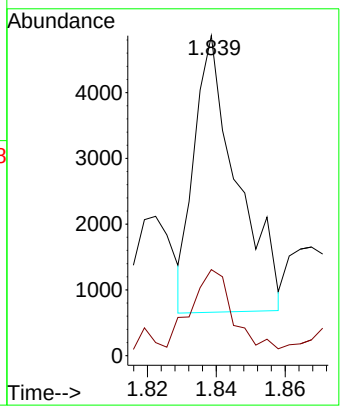


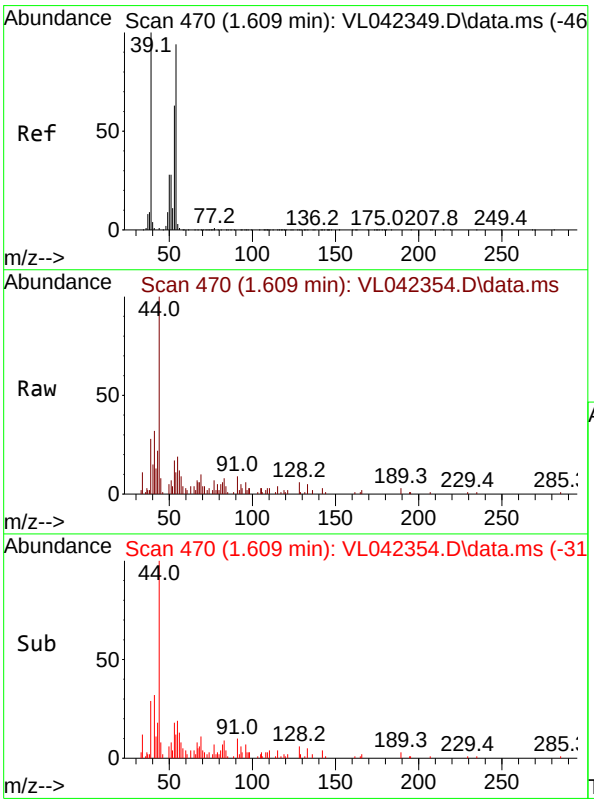
#15
Acetone
Concen: 0.183 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 3597

Ion	Ratio	Lower	Upper
43	100		
58	33.7	22.4	33.6#

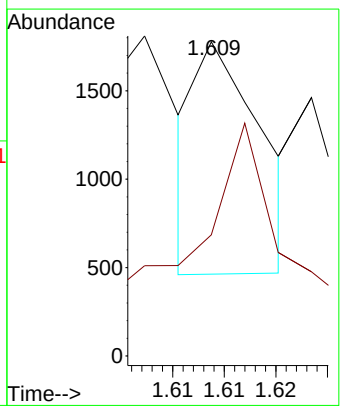


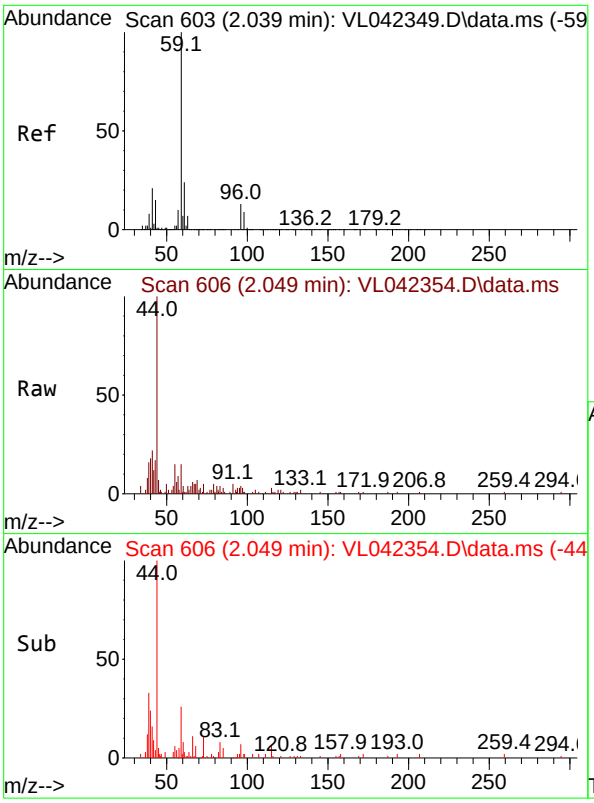


#16
1,3-Butadiene
Concen: 0.062 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 39 Resp: 573

Ion	Ratio	Lower	Upper
39	100		
54	377.0	64.9	97.3#



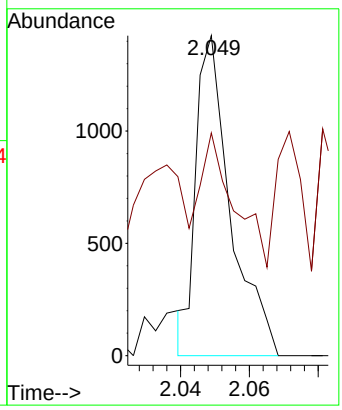


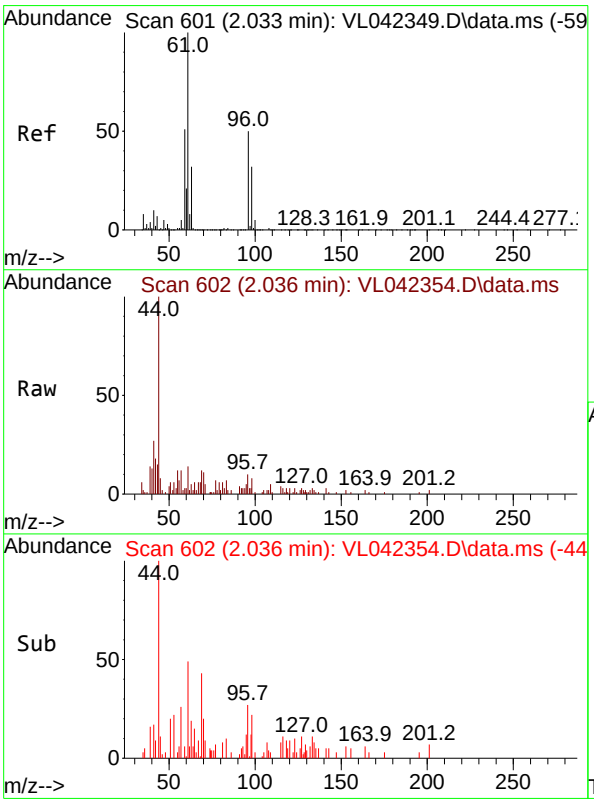
#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 991

Ion	Ratio	Lower	Upper
59	100		
57	113.2	8.7	13.1#

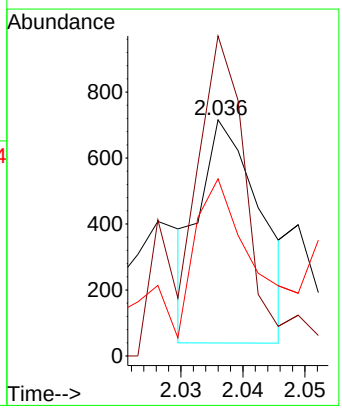


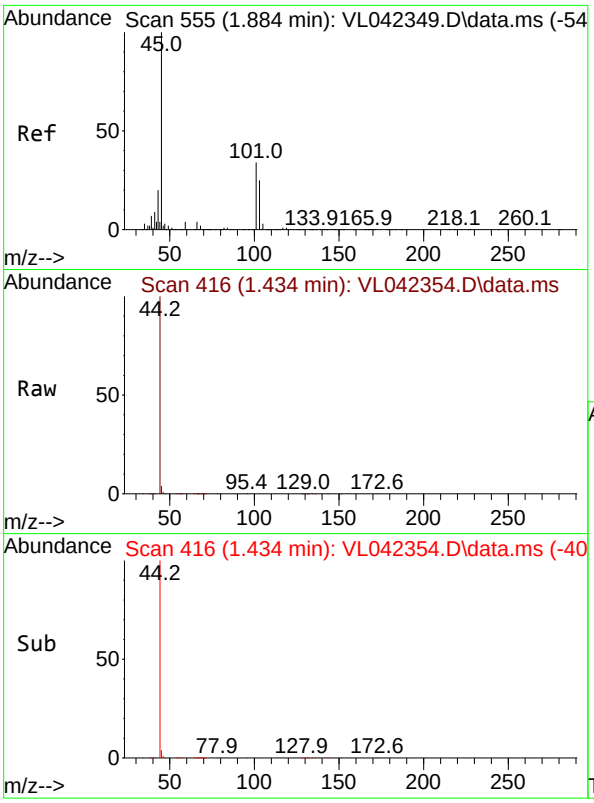


#18
1,1-Dichloroethene
Concen: 0.057 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 96 Resp: 455

Ion	Ratio	Lower	Upper
96	100		
61	271.0	160.2	240.2#
98	132.1	51.0	76.4#



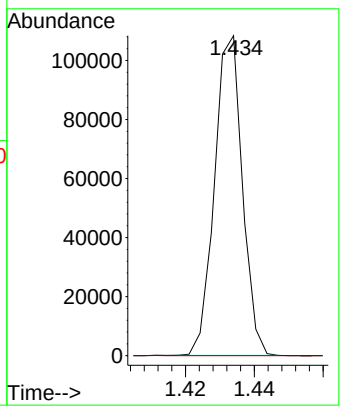


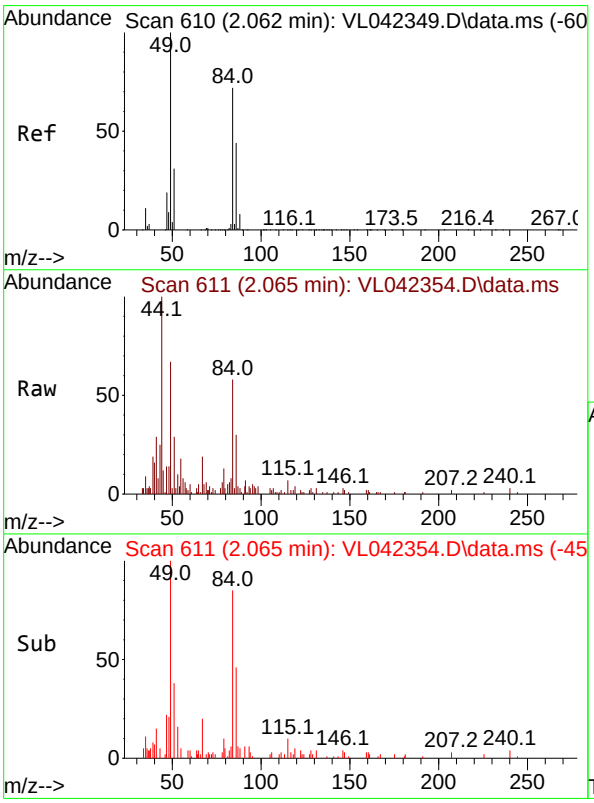
#19
Isopropyl Alcohol
Concen: 5.582 ppbv
RT: 1.434 min Scan# 4
Delta R.T. -0.450 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 60931

Ion	Ratio	Lower	Upper
45	100		
58	0.2	34.5	51.7#

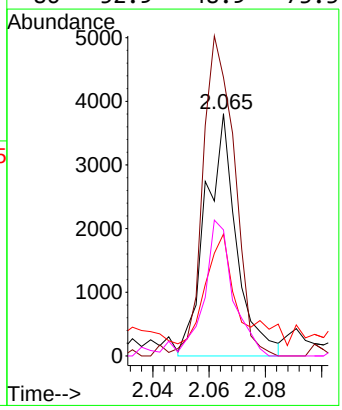


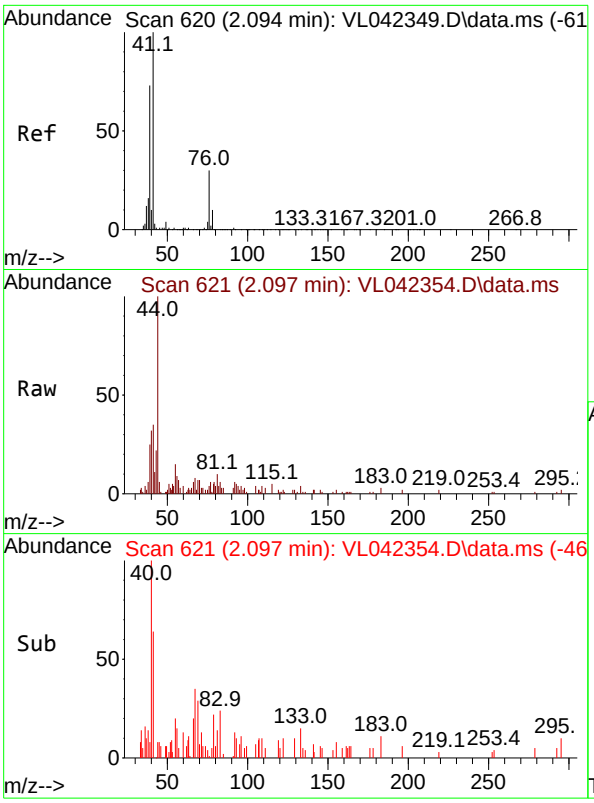


#20
Methylene Chloride
Concen: 0.377 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 84 Resp: 2904

Ion	Ratio	Lower	Upper
84	100		
49	116.9	111.6	167.4
51	46.1	35.1	52.7
86	52.9	48.9	73.3



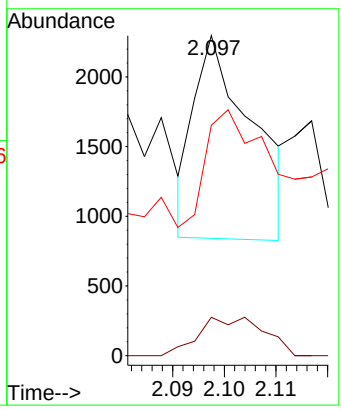


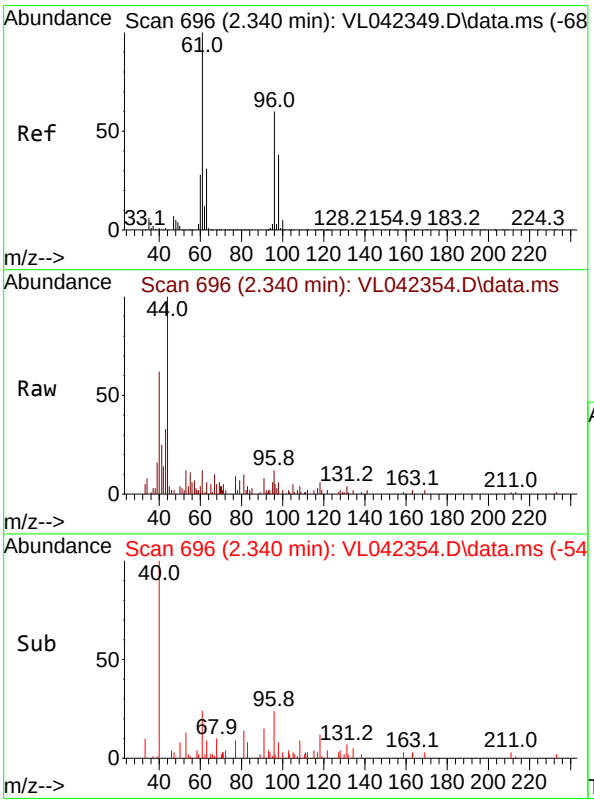
#21
Allyl Chloride
Concen: 0.083 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 1132

Ion	Ratio	Lower	Upper
41	100		
76	21.5	24.8	37.2#
39	407.5	60.6	90.8#

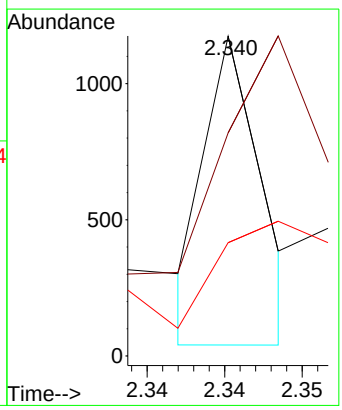


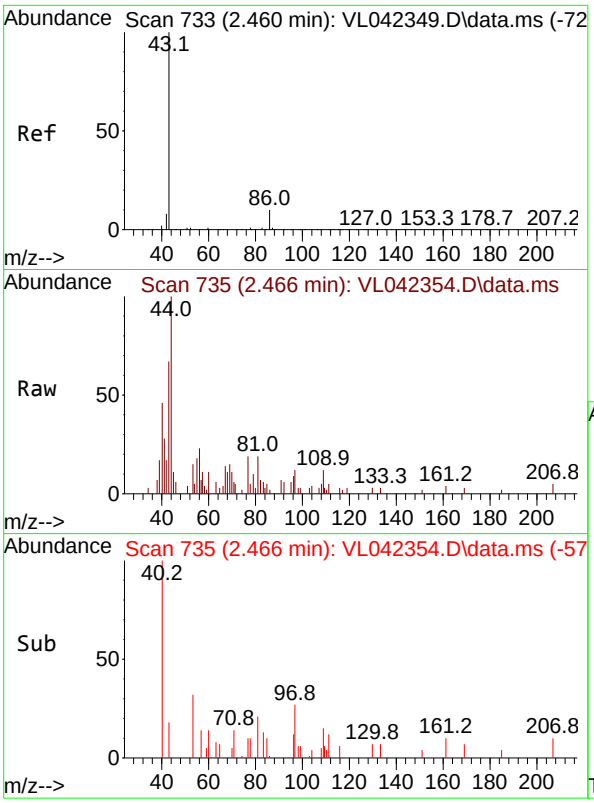


#22
trans-1,2-Dichloroethene
Concen: 0.033 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 96 Resp: 287

Ion	Ratio	Lower	Upper
96	100		
61	58.7	133.7	200.5#
98	36.0	50.3	75.5#



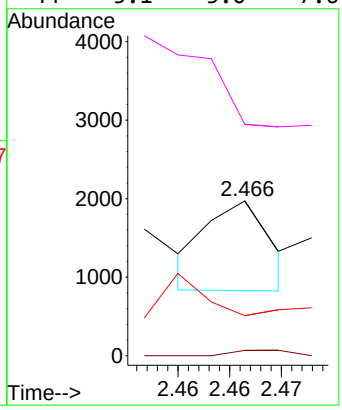


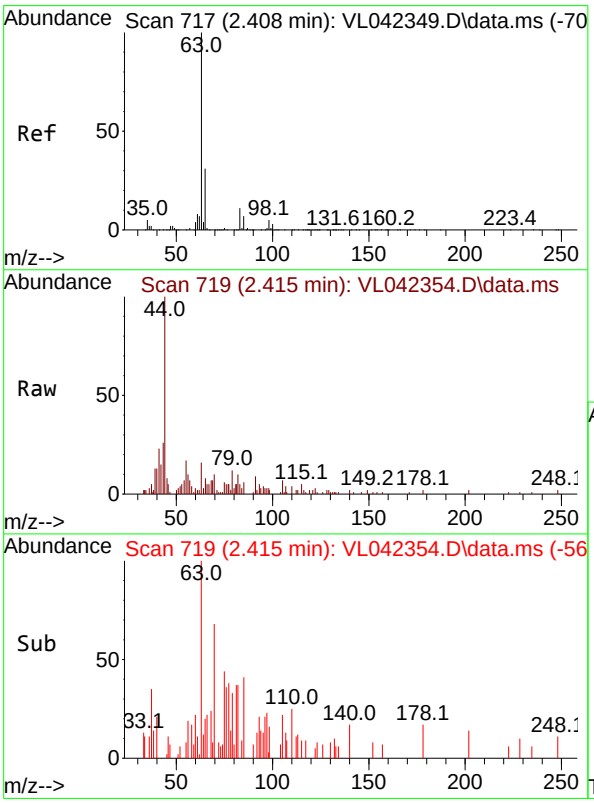
#23
Vinyl Acetate
Concen: 0.062 ppbv
RT: 2.466 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 490

Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.5	9.7#
42	0.0	7.8	11.8#
44	5.1	5.0	7.6

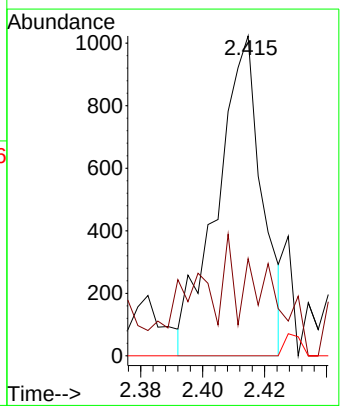


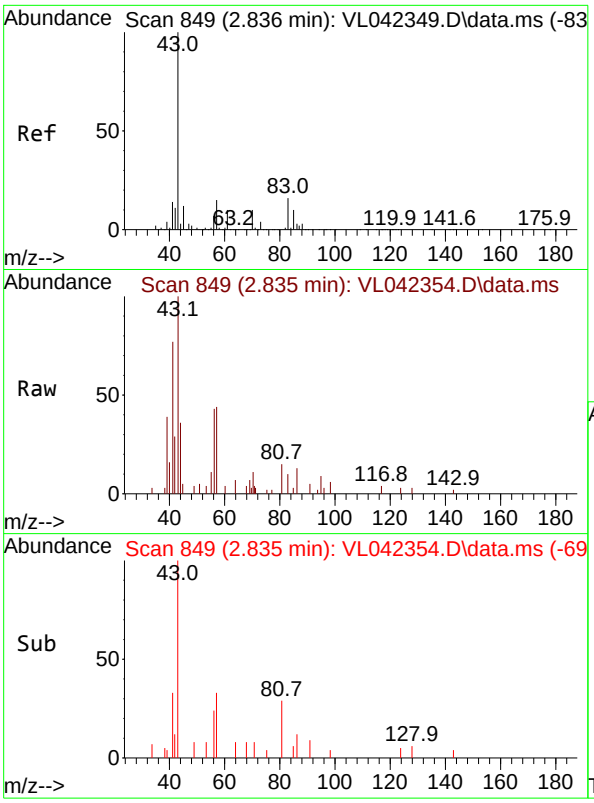


#24
1,1-Dichloroethane
Concen: 0.062 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 63 Resp: 1030

Ion	Ratio	Lower	Upper
63	100		
98	17.1	2.3	6.8#
100	0.0	1.6	4.8#



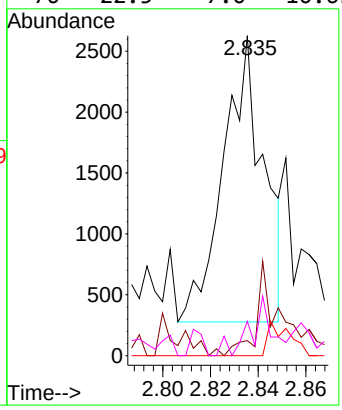


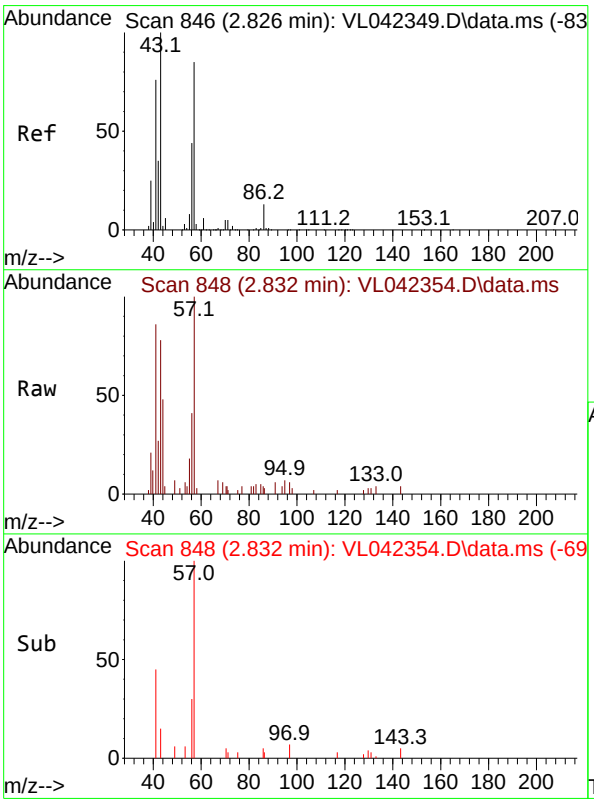
#25
Ethyl Acetate
Concen: 0.057 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 2744

Ion	Ratio	Lower	Upper
43	100		
45	21.1	8.3	12.5#
61	6.4	7.3	10.9#
70	22.5	7.0	10.6#

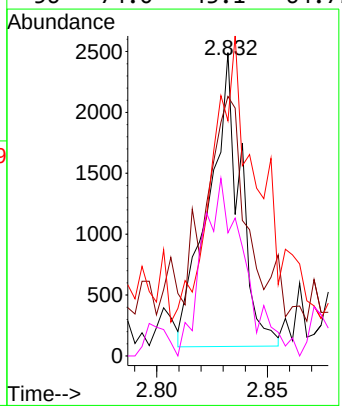


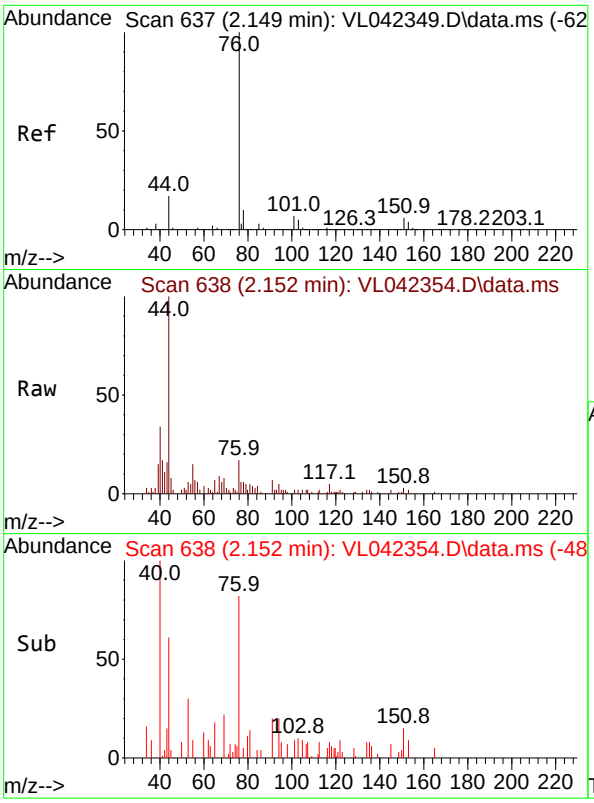


#26
Hexane
Concen: 0.122 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 57 Resp: 2398

Ion	Ratio	Lower	Upper
57	100		
41	125.7	77.9	116.9#
43	191.2	208.4	312.6#
56	74.0	43.1	64.7#



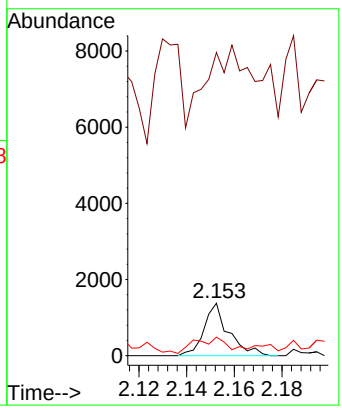


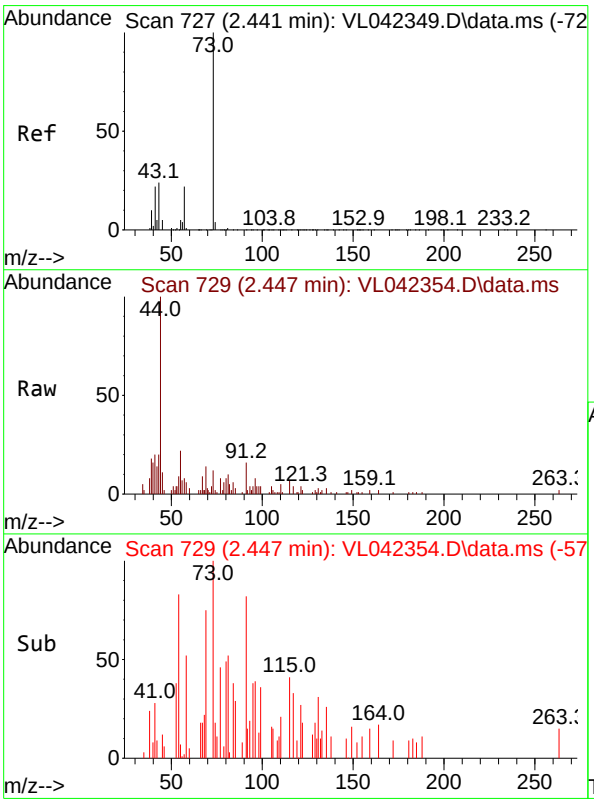
#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 2.152 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 76 Resp: 984

Ion	Ratio	Lower	Upper
76	100		
44	1141.4	15.5	23.3#
78	54.0	9.3	13.9#

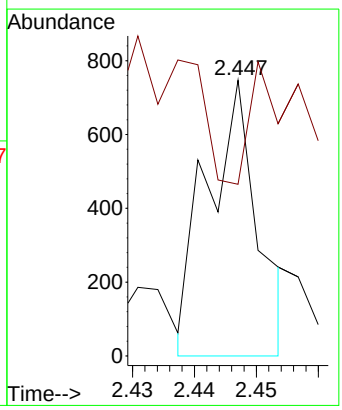


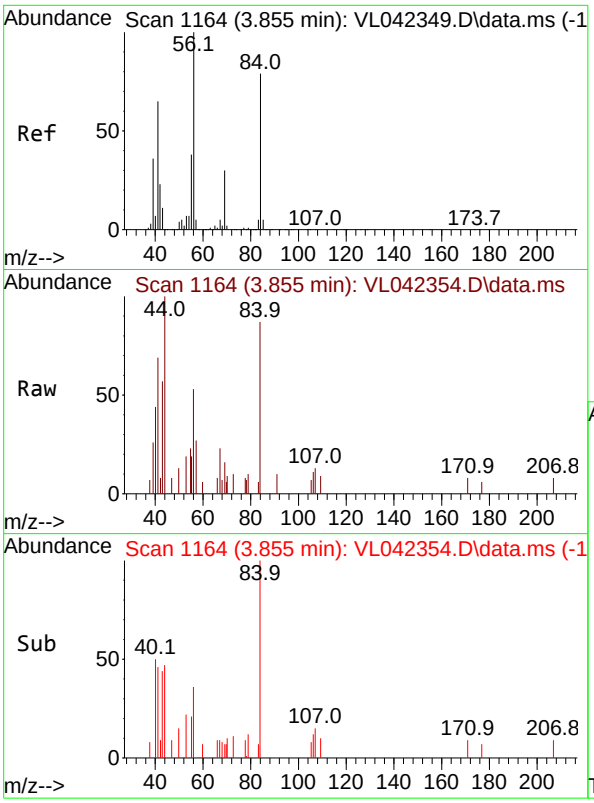


#28
Methyl tert-Butyl Ether
Concen: 0.033 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 73 Resp: 426

Ion	Ratio	Lower	Upper
73	100		
57	0.0	21.3	31.9#



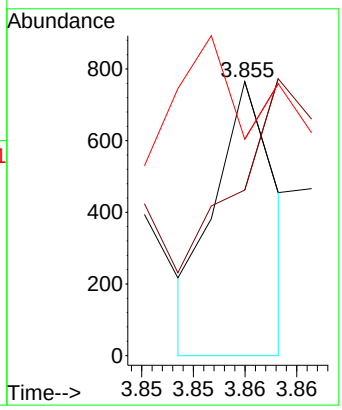


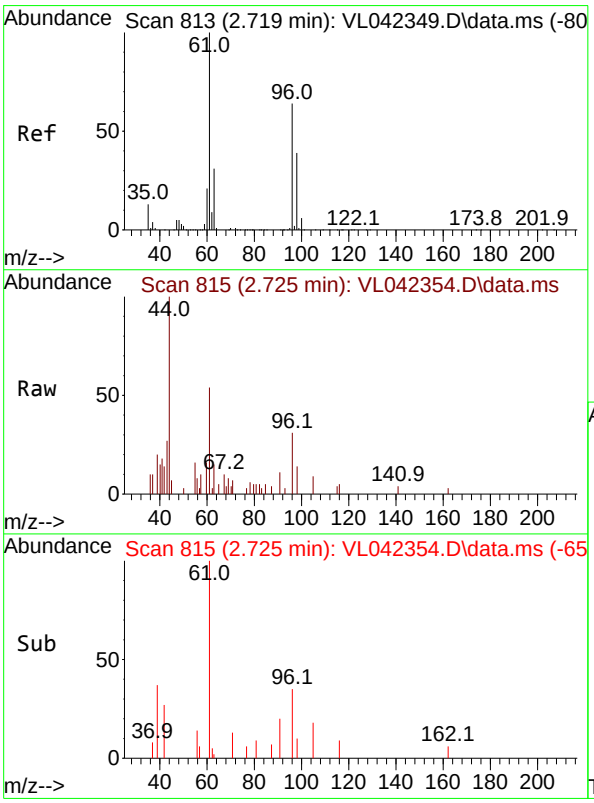
#30
Cyclohexane
Concen: 0.020 ppbv
RT: 3.855 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 84 Resp: 311

Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.0	151.4#
41	0.0	67.4	101.0#

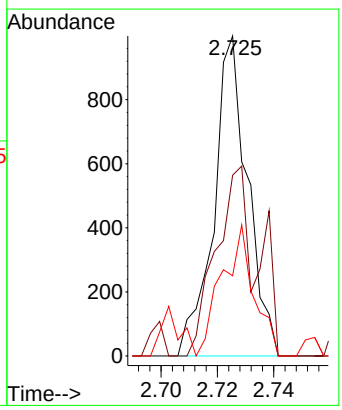


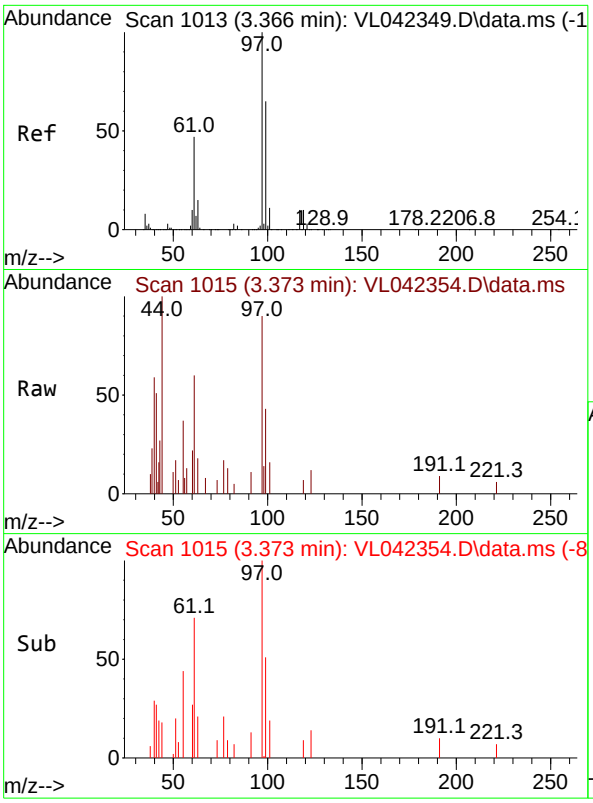


#31
cis-1,2-Dichloroethene
Concen: 0.045 ppbv
RT: 2.725 min Scan# 815
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 61 Resp: 831

Ion	Ratio	Lower	Upper
61	100		
96	56.5	50.8	76.2
98	25.0	30.9	46.3#



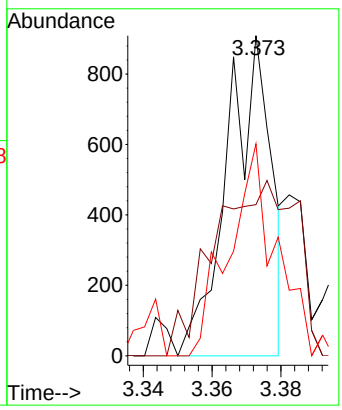


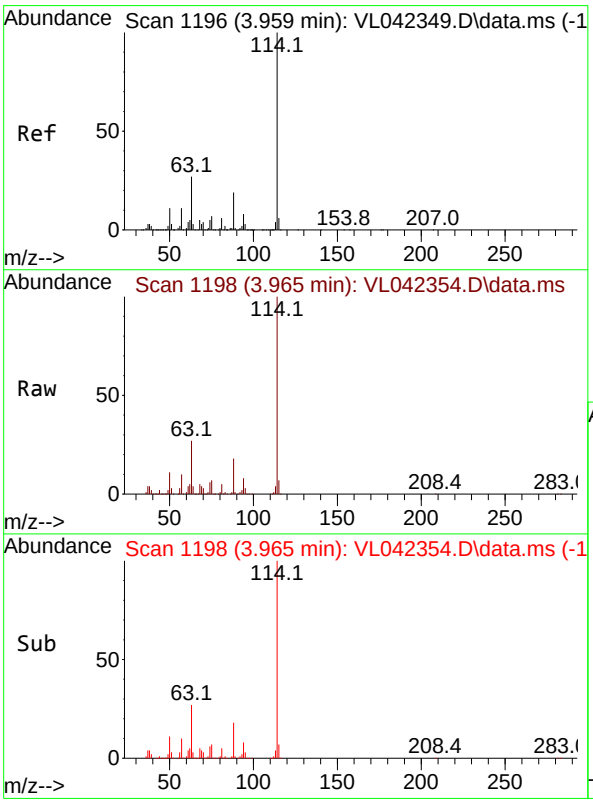
#32
1,1,1-Trichloroethane
Concen: 0.027 ppbv
RT: 3.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 809

Ion	Ratio	Lower	Upper
97	100		
99	103.0	51.0	76.4#
61	78.7	38.8	58.2#

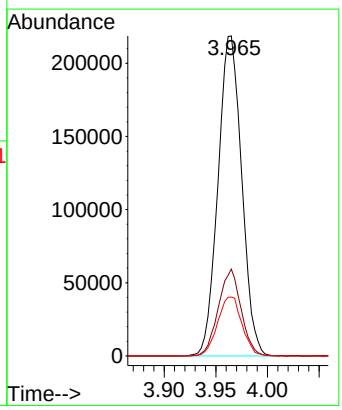


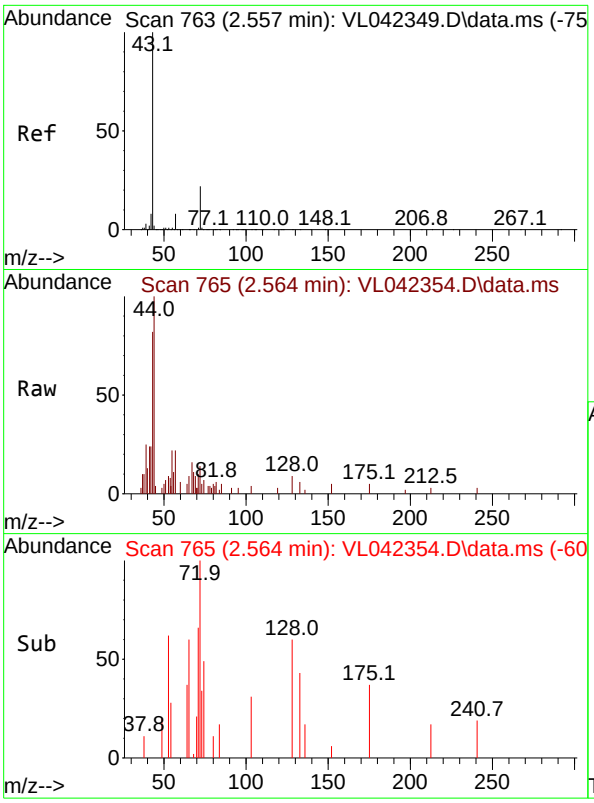


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:114 Resp: 349264

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.8	32.6
88	19.0	15.5	23.3



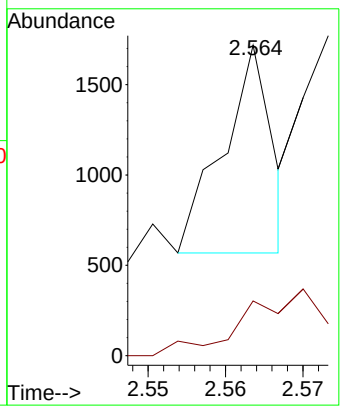


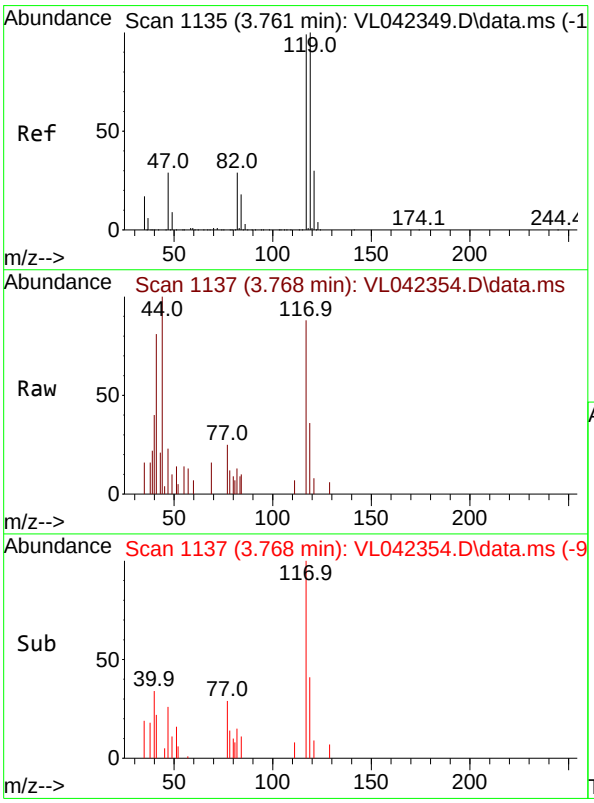
#34
2-Butanone
Concen: 0.018 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 510

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#

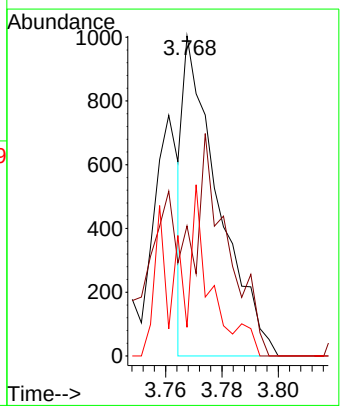


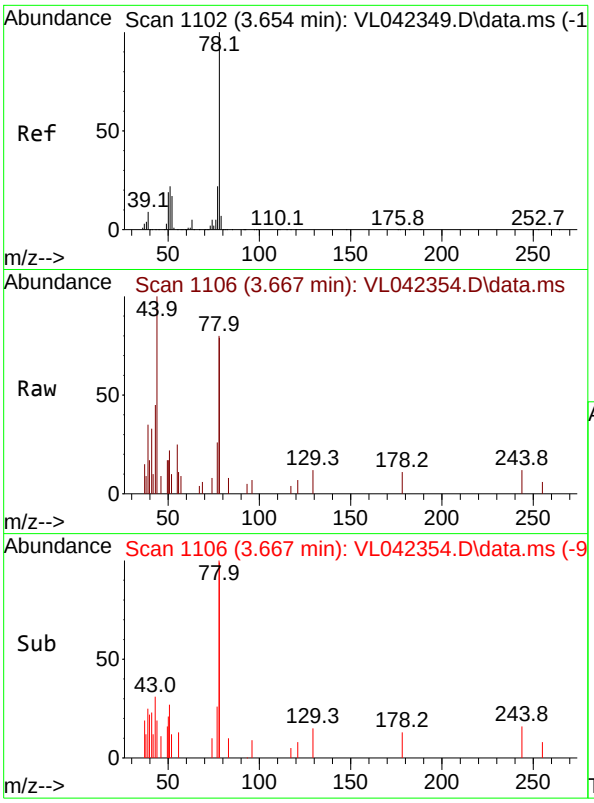


#35
Carbon Tetrachloride
Concen: 0.027 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:117 Resp: 862

Ion	Ratio	Lower	Upper
117	100		
119	40.6	80.5	120.7#
121	9.0	24.2	36.2#



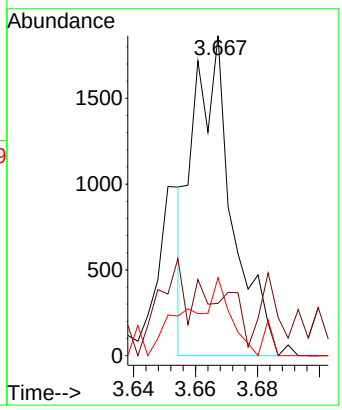


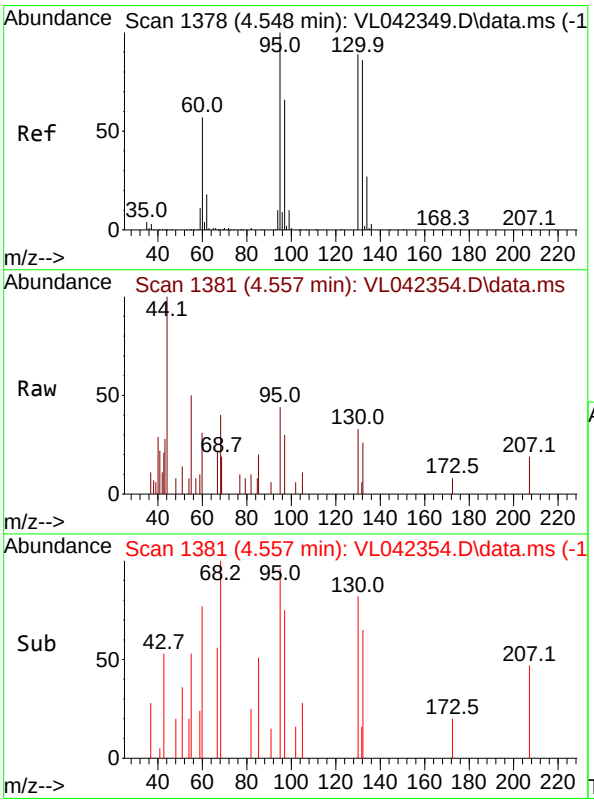
#36
Benzene
Concen: 0.043 ppbv
RT: 3.667 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 78 Resp: 1629

Ion	Ratio	Lower	Upper
78	100		
77	4.6	17.4	26.0#
50	25.2	15.5	23.3#

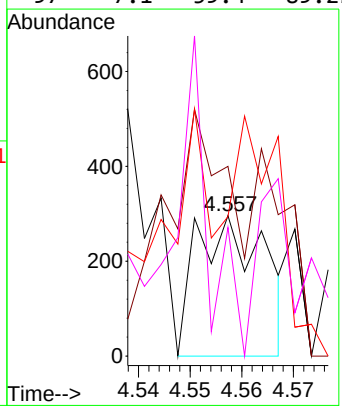


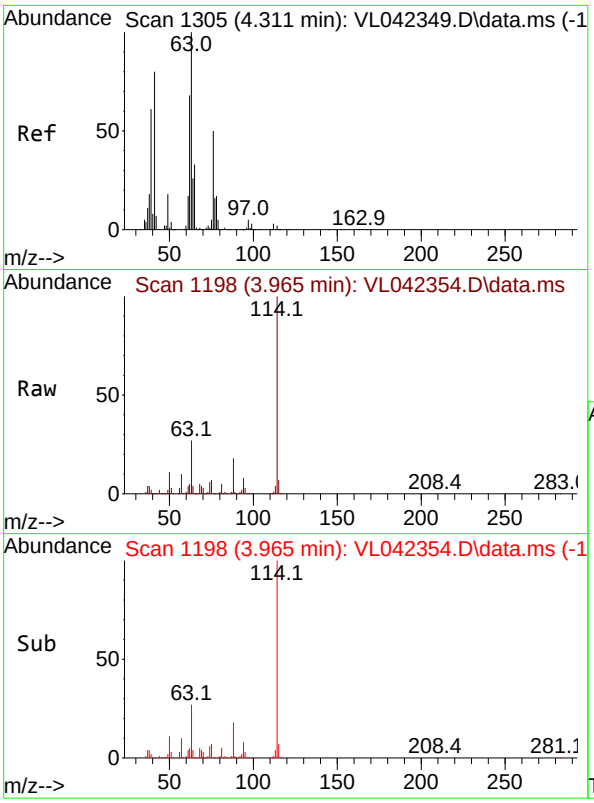


#38
Trichloroethene
Concen: 0.016 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:130 Resp: 271

Ion	Ratio	Lower	Upper
130	100		
95	44.6	89.8	134.6#
132	19.6	77.7	116.5#
97	7.1	59.4	89.2#



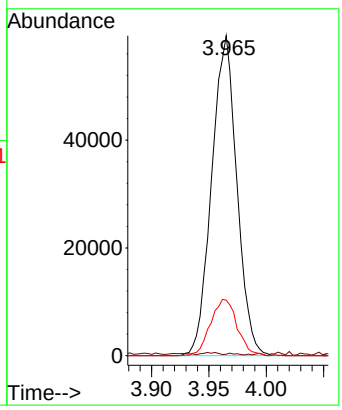


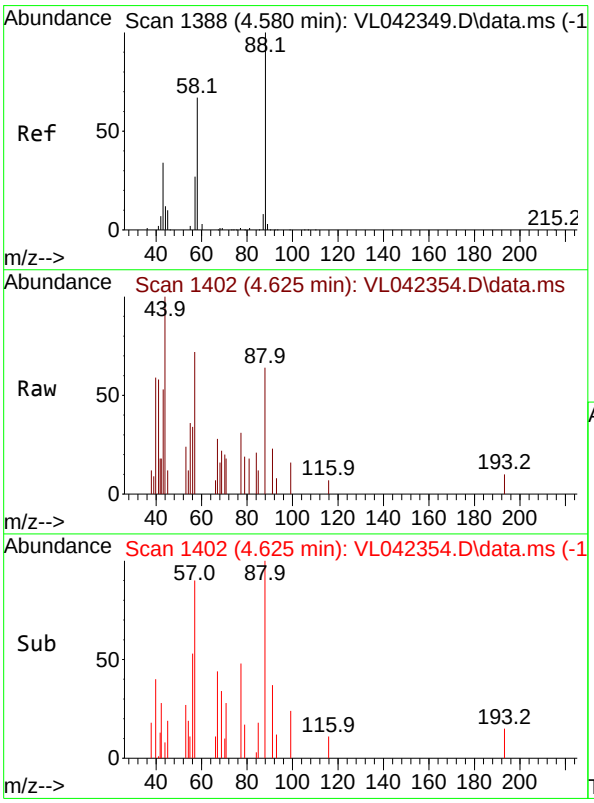
#39
1,2-Dichloropropane
Concen: 6.465 ppbv
RT: 3.965 min Scan# 1
Delta R.T. -0.346 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 90827

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	17.4	54.3	81.5#

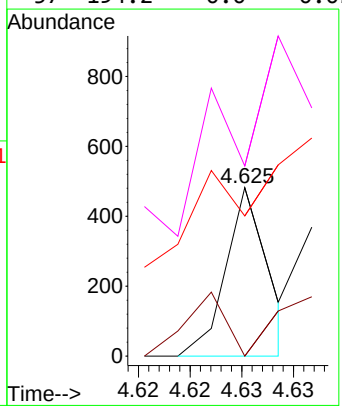


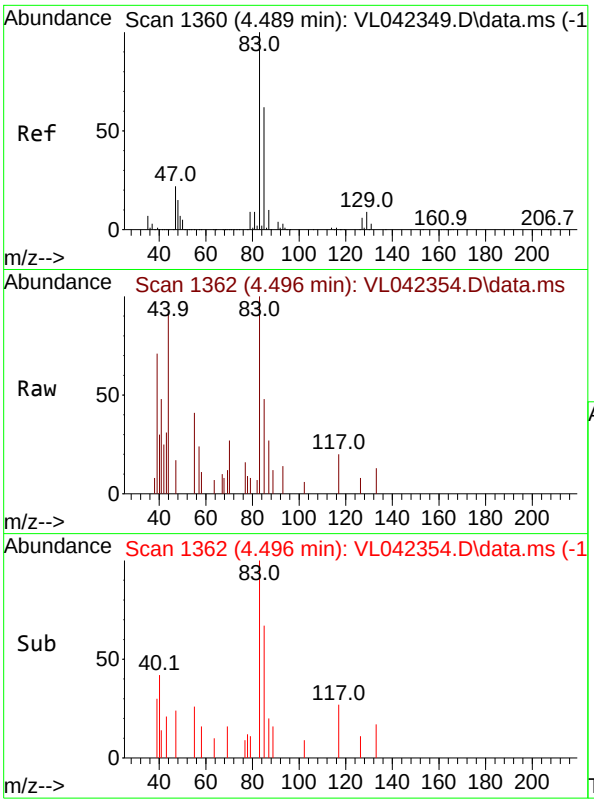


#40
1,4-Dioxane
Concen: 0.018 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. 0.045 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 88 Resp: 139

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	251.8	23.2	34.8#
57	194.2	0.0	0.0#



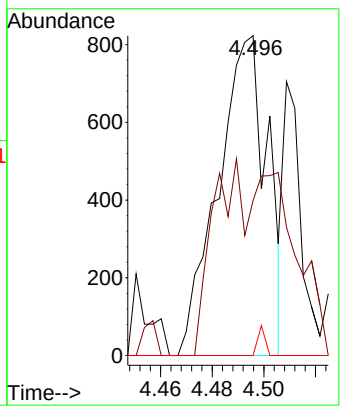


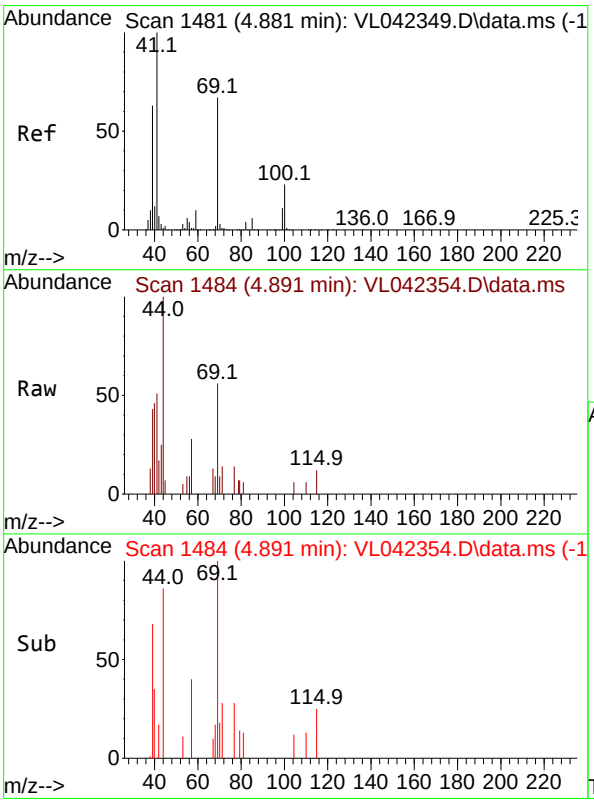
#42
Bromodichloromethane
Concen: 0.035 ppbv
RT: 4.496 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 1093

Ion	Ratio	Lower	Upper
83	100		
85	48.5	49.7	74.5#
127	0.0	5.1	7.7#

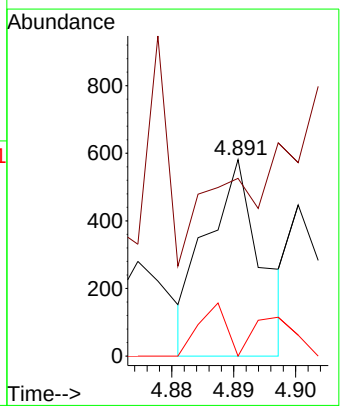


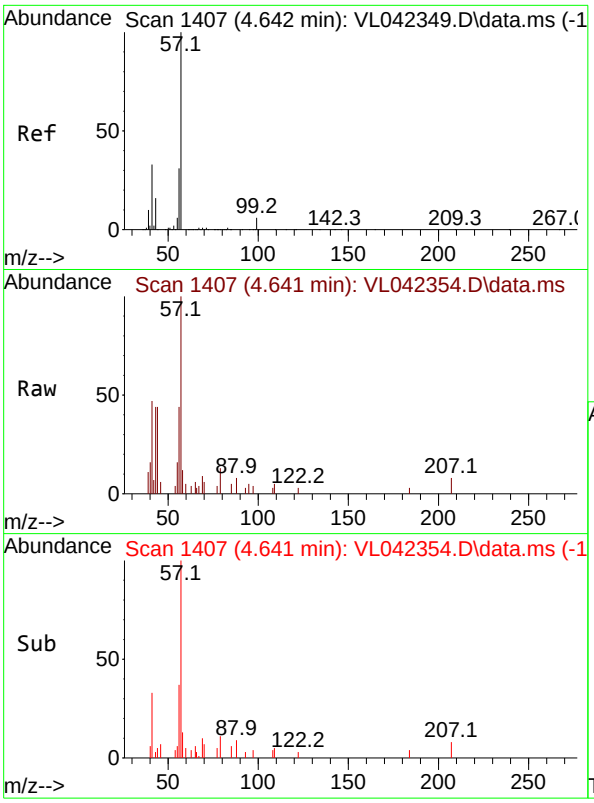


#43
Methyl Methacrylate
Concen: 0.021 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 69 Resp: 354

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	177.8#
100	40.7	28.2	42.2



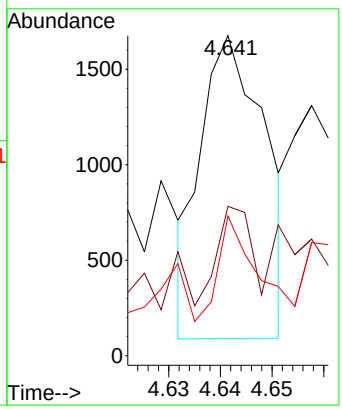


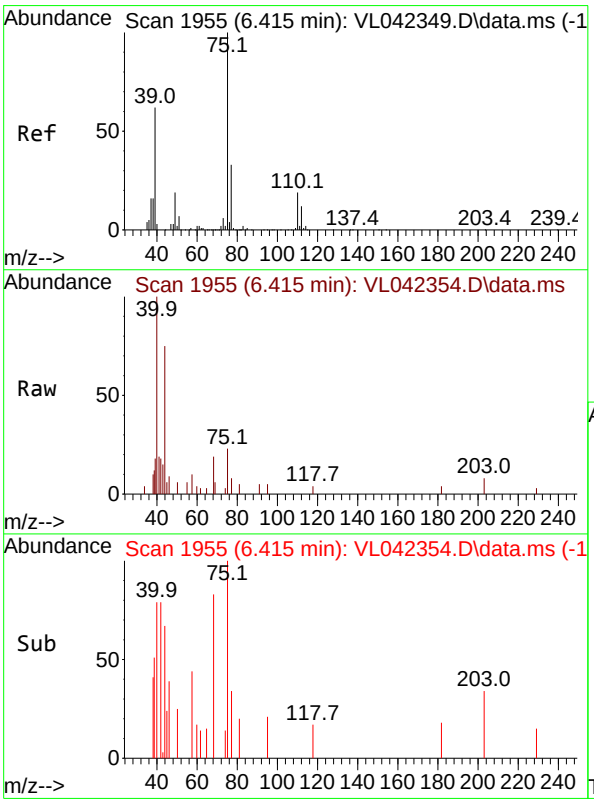
#44
2,2,4-Trimethylpentane
Concen: 0.021 ppbv
RT: 4.641 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 57 Resp: 1377

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.2	40.8#
56	139.0	25.7	38.5#

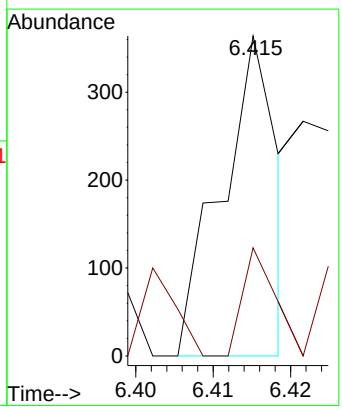


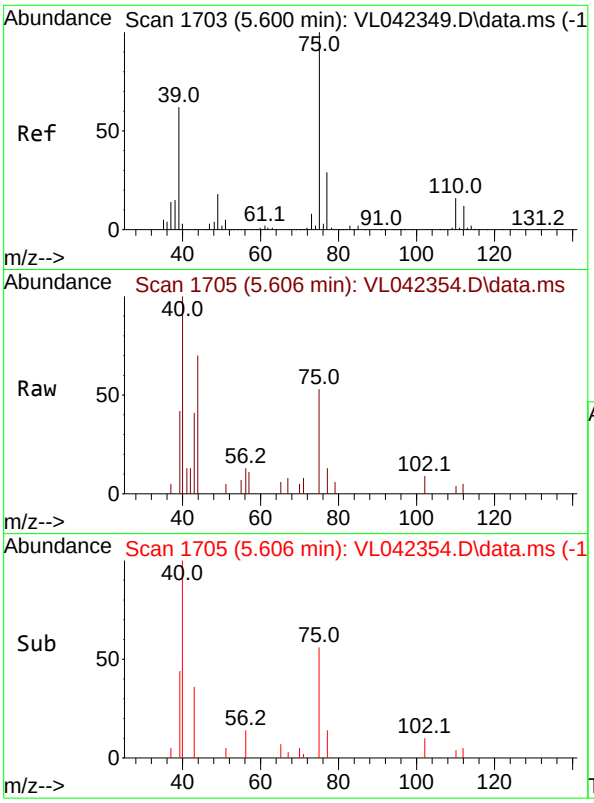


#45
t-1,3-Dichloropropene
Concen: 0.011 ppbv
RT: 6.415 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 75 Resp: 183

Ion	Ratio	Lower	Upper
75	100		
77	33.8	27.0	40.6



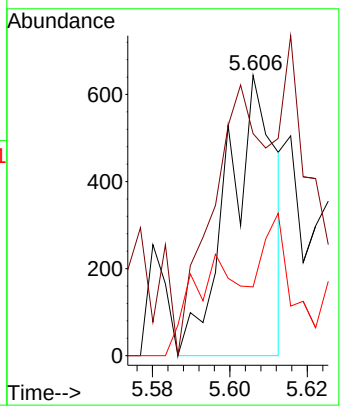


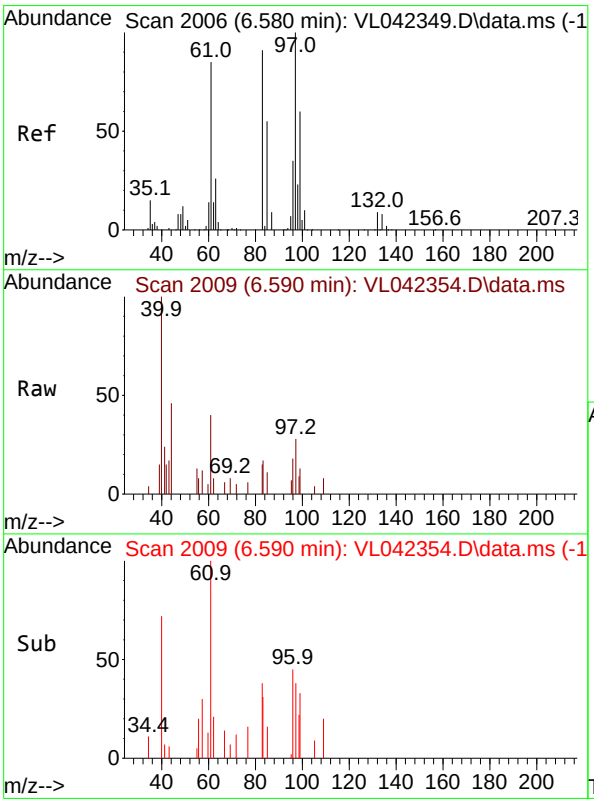
#46
cis-1,3-Dichloropropene
Concen: 0.026 ppbv
RT: 5.606 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 546

Ion	Ratio	Lower	Upper
75	100		
39	1.7	50.0	75.0#
77	13.7	23.0	34.6#

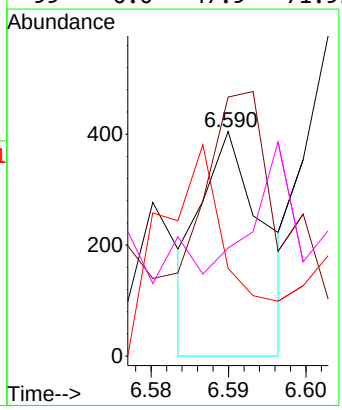


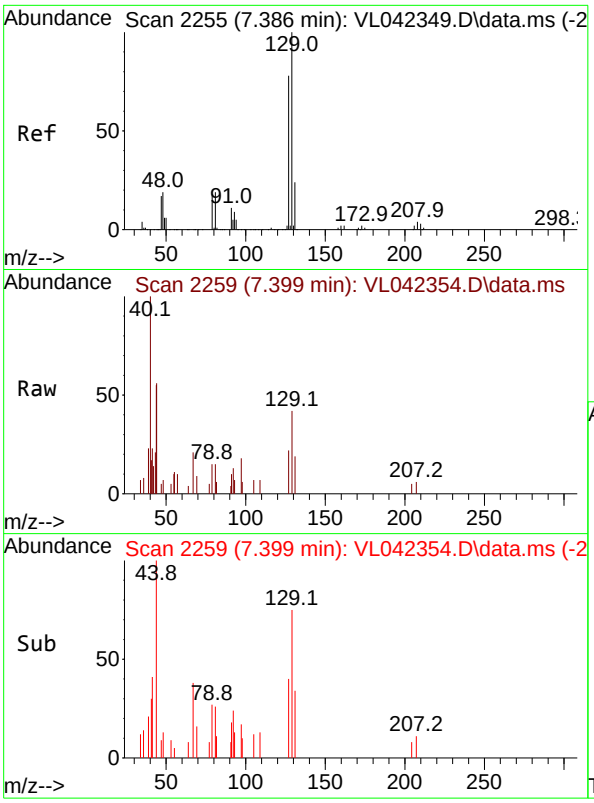


#47
1,1,2-Trichloroethane
Concen: 0.016 ppbv
RT: 6.590 min Scan# 2009
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 97 Resp: 225

Ion	Ratio	Lower	Upper
97	100		
83	149.5	72.8	109.2#
85	27.8	44.2	66.4#
99	0.0	47.9	71.9#



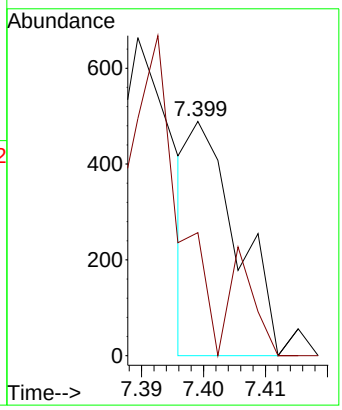


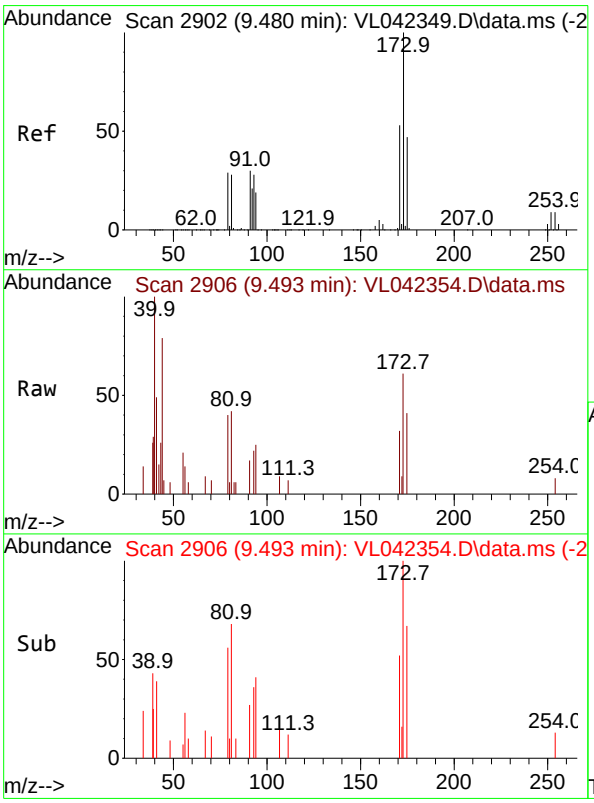
#48
Dibromochloromethane
Concen: 0.010 ppbv
RT: 7.399 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:129 Resp: 258

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.3#

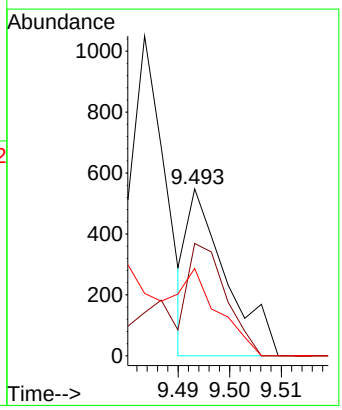


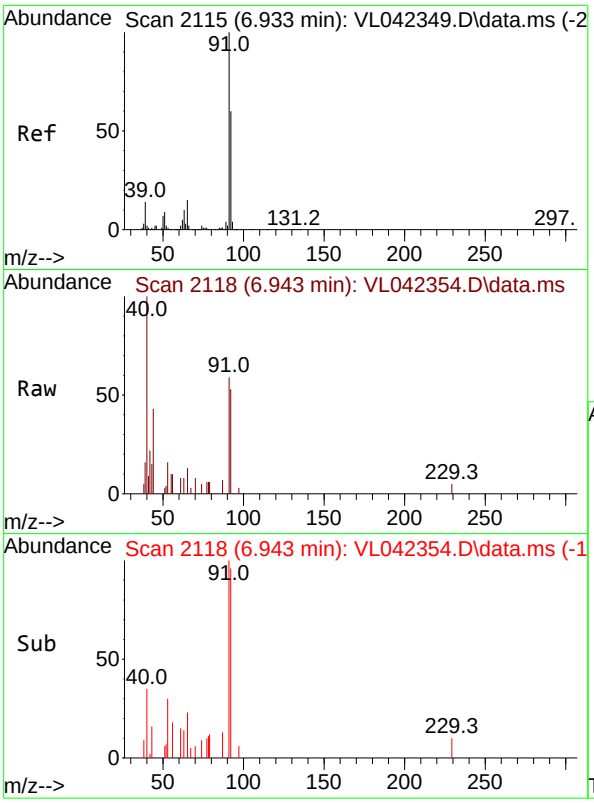


#49
Bromoform
Concen: 0.013 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. 0.013 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:173 Resp: 285

Ion	Ratio	Lower	Upper
173	100		
175	145.3	38.2	57.2#
171	11.9	40.9	61.3#



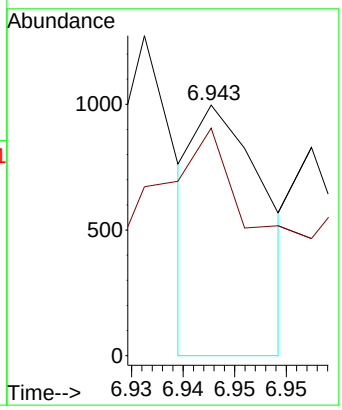


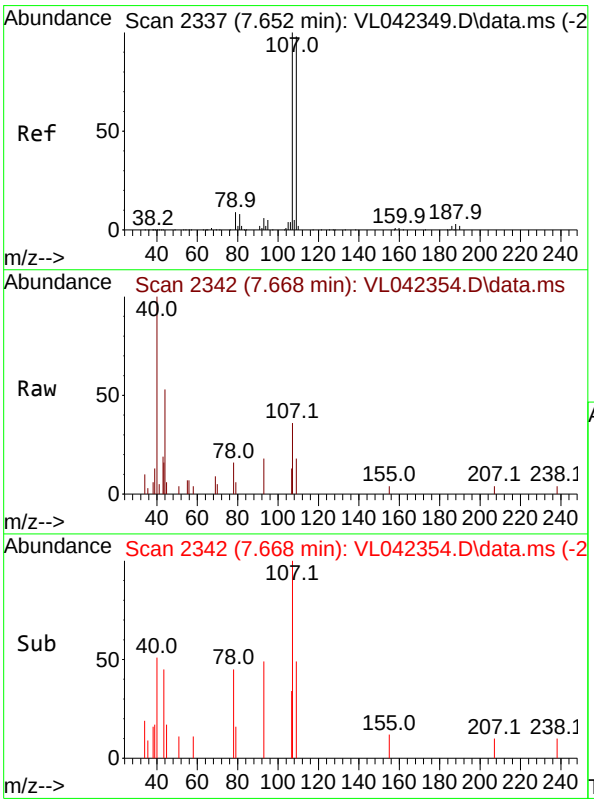
#53
Toluene
Concen: 0.010 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 464

Ion	Ratio	Lower	Upper
91	100		
92	289.2	48.2	72.4#

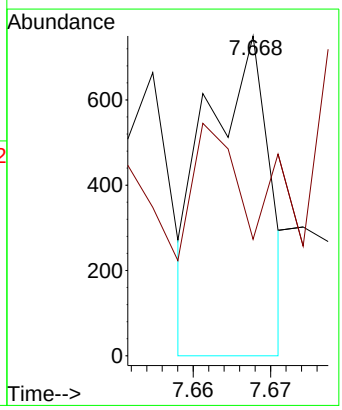


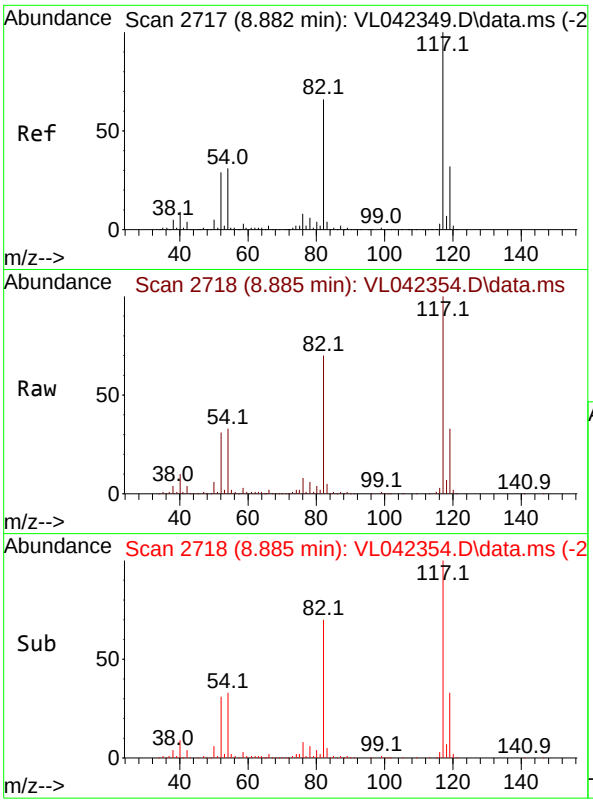


#54
1,2-Dibromoethane
Concen: 0.021 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.016 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:107 Resp: 422

Ion	Ratio	Lower	Upper
107	100		
109	10.4	78.2	117.4#



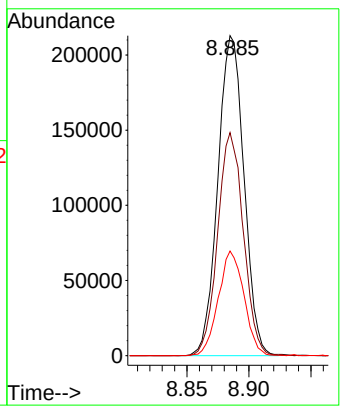


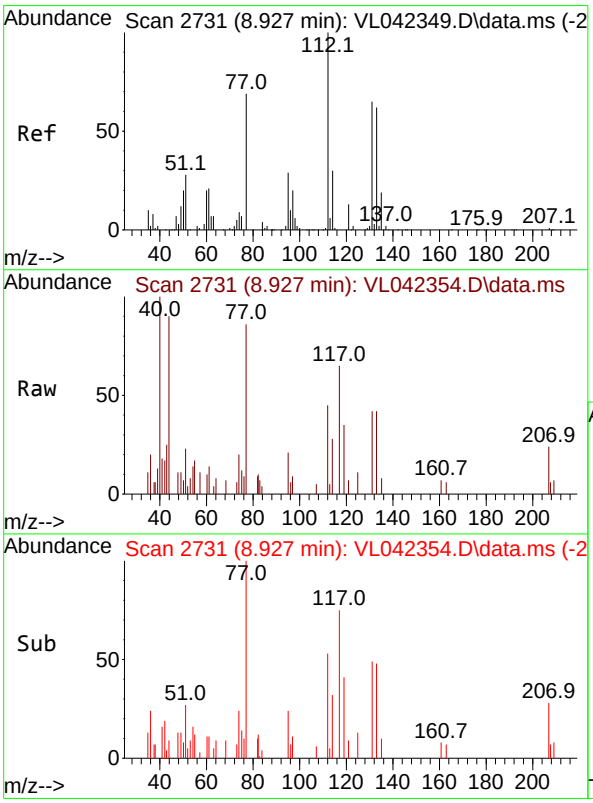
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 312999

Ion	Ratio	Lower	Upper
117	100		
82	68.5	57.8	86.6
119	32.2	25.2	37.8

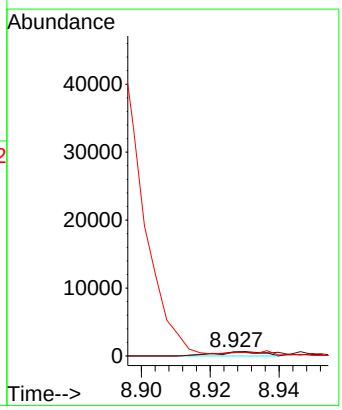


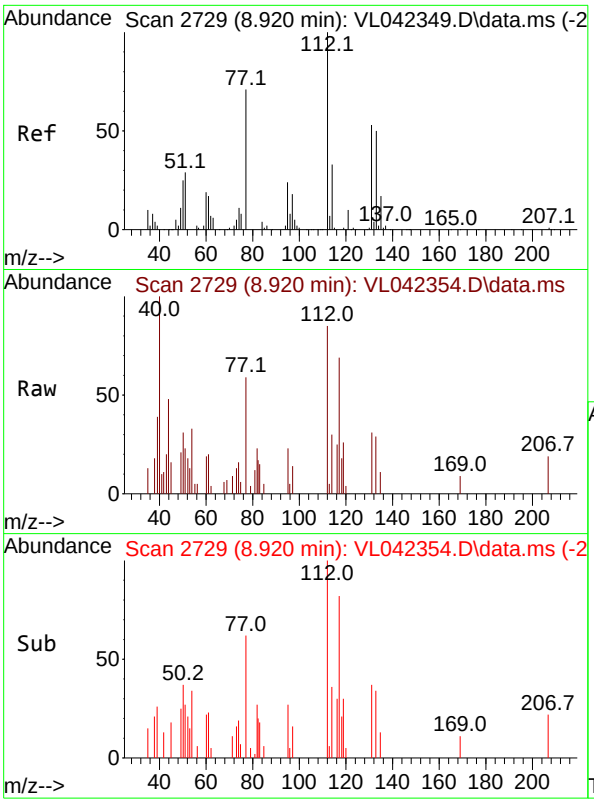


#56
1,1,1,2-Tetrachloroethane
Concen: 0.031 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:131 Resp: 589

Ion	Ratio	Lower	Upper
131	100		
133	185.9	78.3	117.5#
119	17165.0	48.7	73.1#



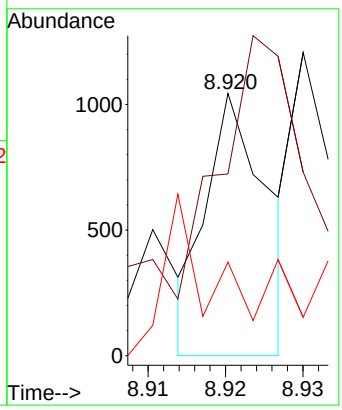


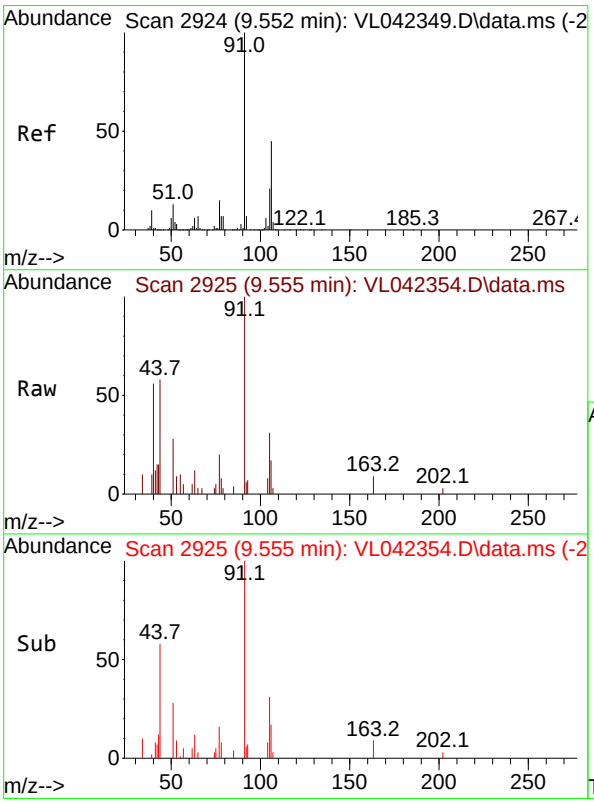
#57
Chlorobenzene
Concen: 0.017 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 567

Ion	Ratio	Lower	Upper
112	100		
77	62.5	57.8	86.6
114	0.0	29.3	35.9#

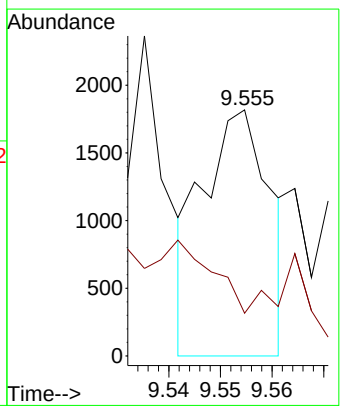


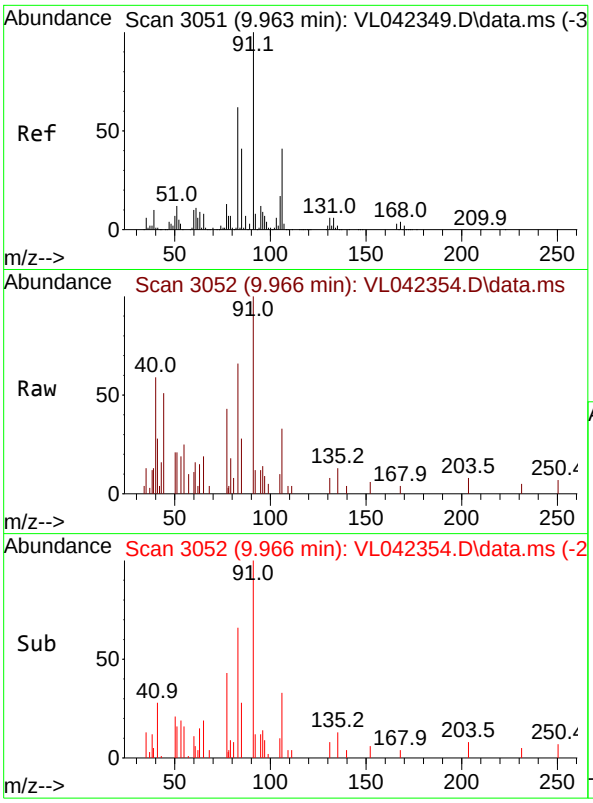


#59
m/p-Xylene
Concen: 0.033 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 91 Resp: 1648

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



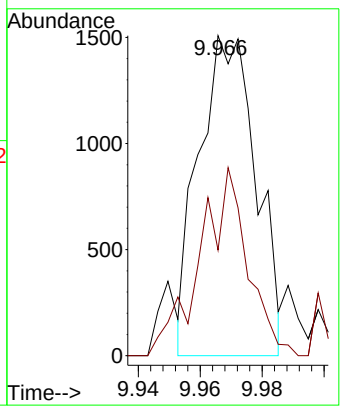


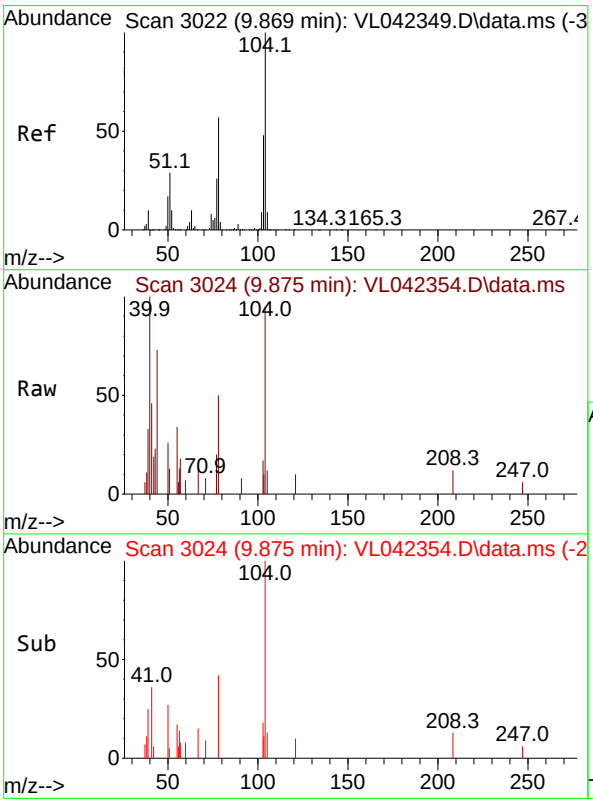
#60
o-Xylene
Concen: 0.039 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1938

Ion	Ratio	Lower	Upper
91	100		
106	52.6	21.1	63.4

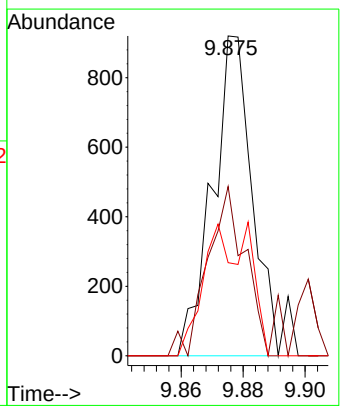


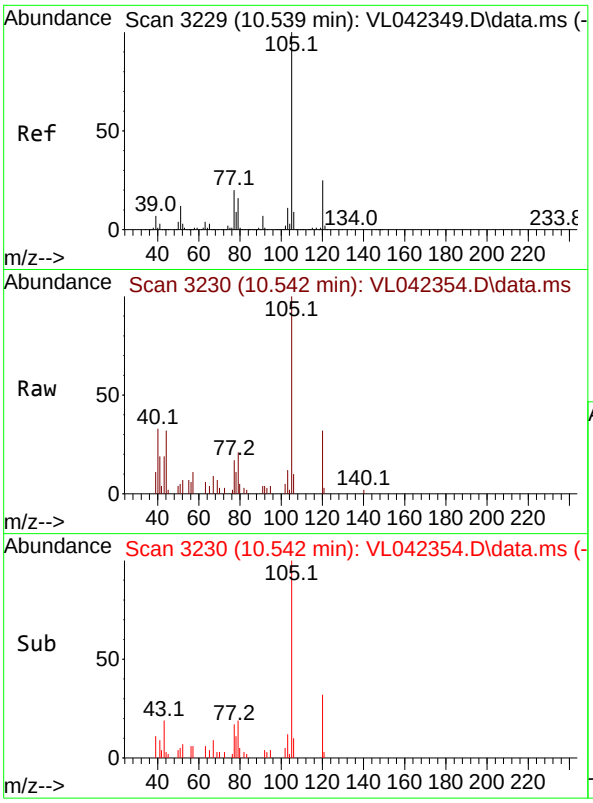


#61
Styrene
Concen: 0.034 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:104 Resp: 813

Ion	Ratio	Lower	Upper
104	100		
78	64.9	44.6	66.8
103	47.1	37.4	56.0



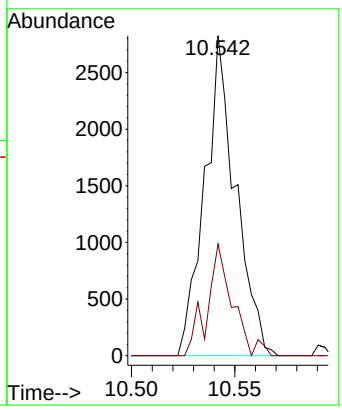


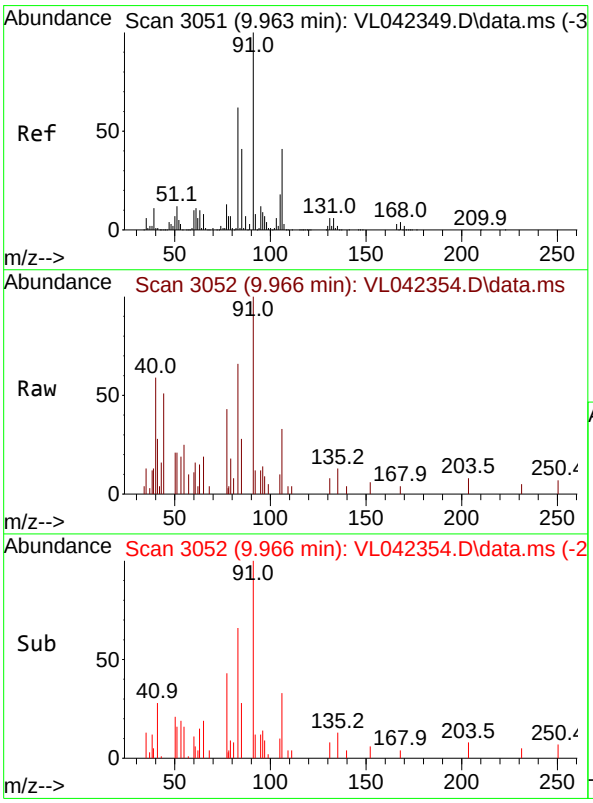
#62
Isopropylbenzene
Concen: 0.040 ppbv
RT: 10.542 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 2934

Ion	Ratio	Lower	Upper
105	100		
120	28.8	19.8	29.8

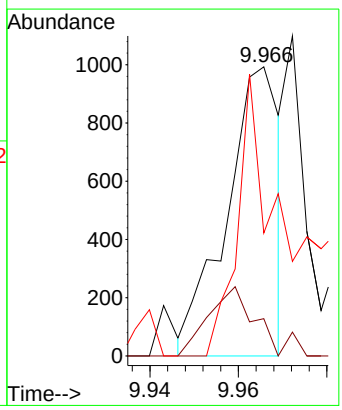


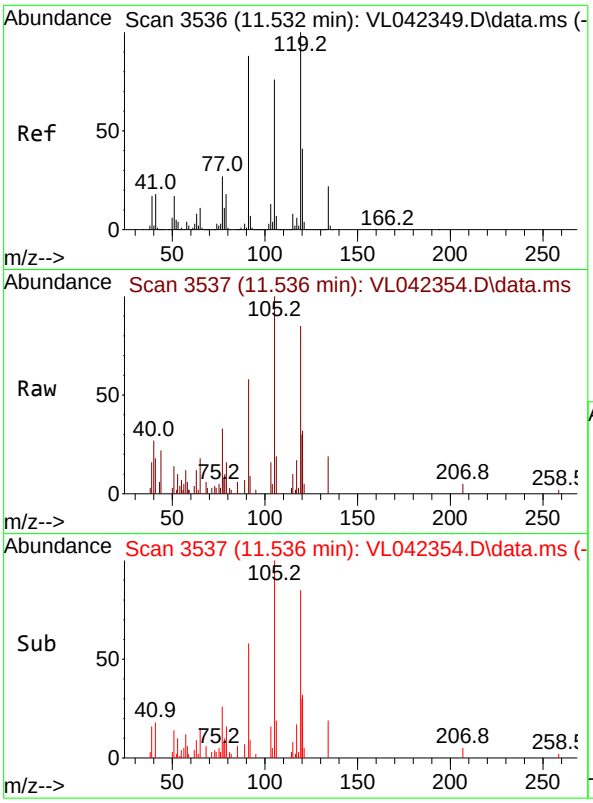


#63
1,1,2,2-Tetrachloroethane
Concen: 0.025 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 83 Resp: 826

Ion	Ratio	Lower	Upper
83	100		
131	22.3	4.5	13.7#
85	98.2	32.4	97.0#



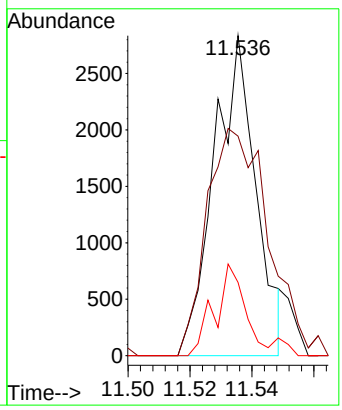


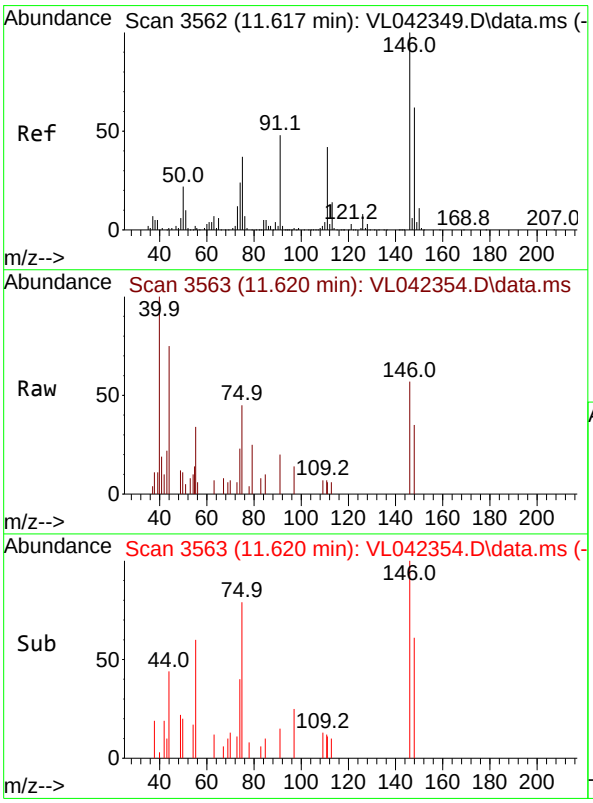
#65
tert-Butylbenzene
Concen: 0.039 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 2656

Ion	Ratio	Lower	Upper
119	100		
91	104.4	74.6	111.8
134	22.5	18.8	28.2

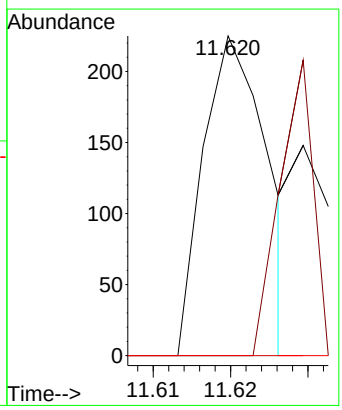


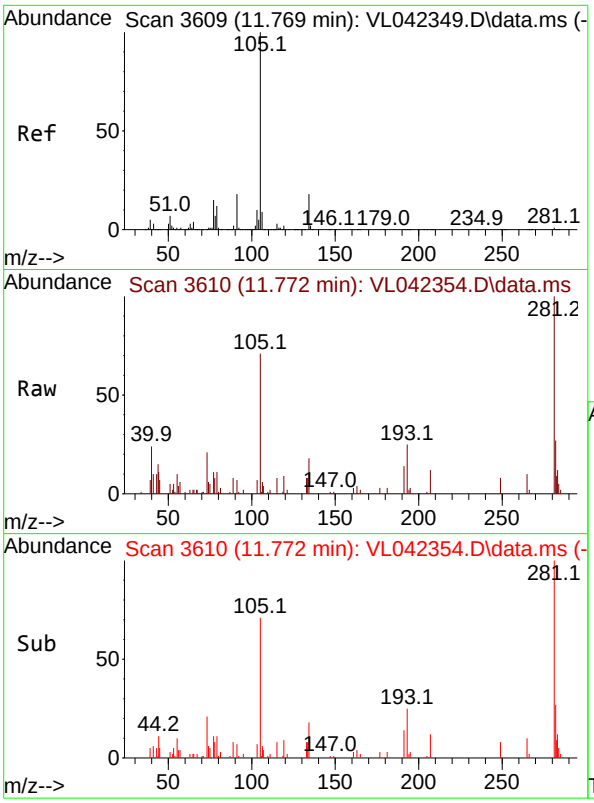


#66
Benzyl Chloride
Concen: 0.017 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 91 Resp: 130

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.8	17.6#
128	0.0	4.5	6.7#



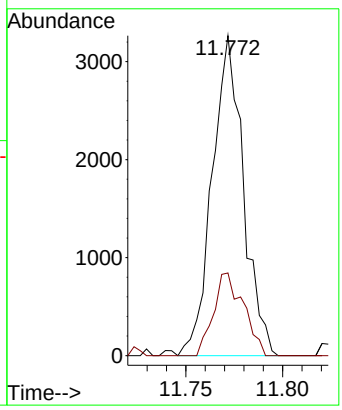


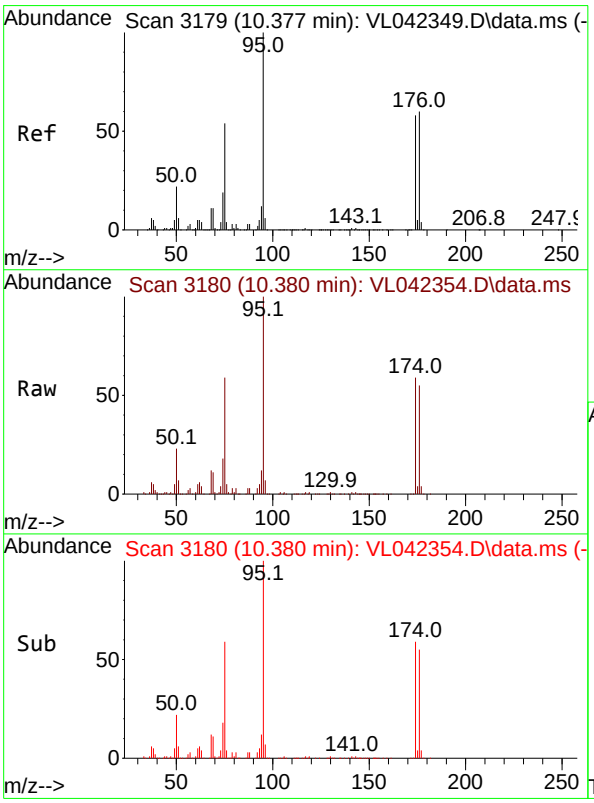
#67
sec-Butylbenzene
Concen: 0.039 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 3658

Ion	Ratio	Lower	Upper
105	100		
134	24.8	14.6	21.8#

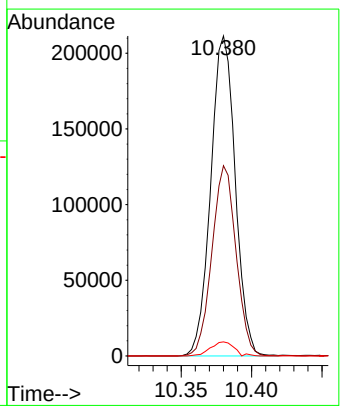


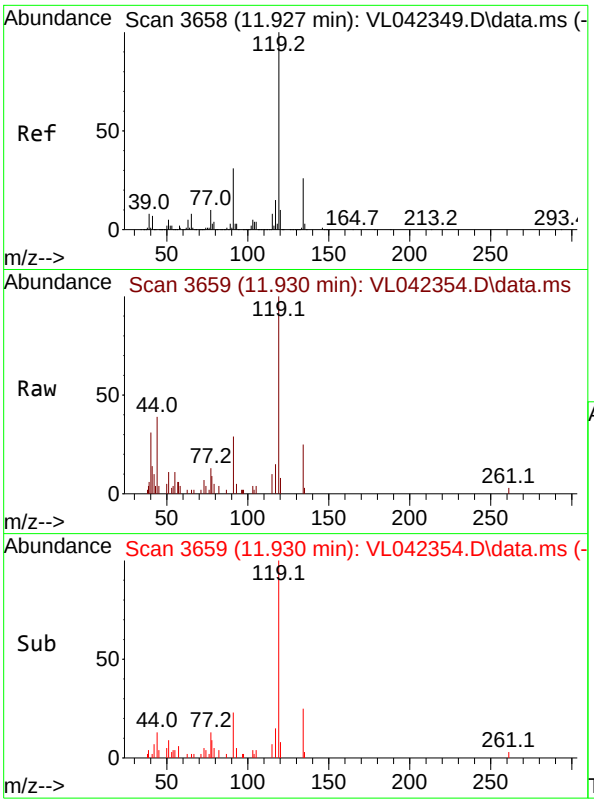


#68
1-Bromo-4-Fluorobenzene
Concen: 9.962 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 95 Resp: 256230

Ion	Ratio	Lower	Upper
95	100		
174	58.6	48.5	72.7
175	4.3	3.7	5.5



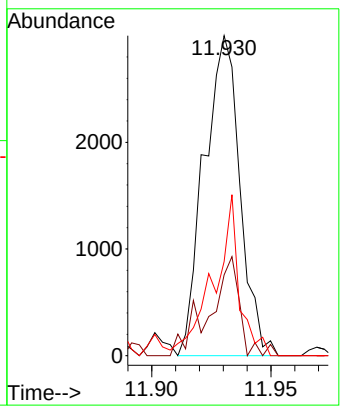


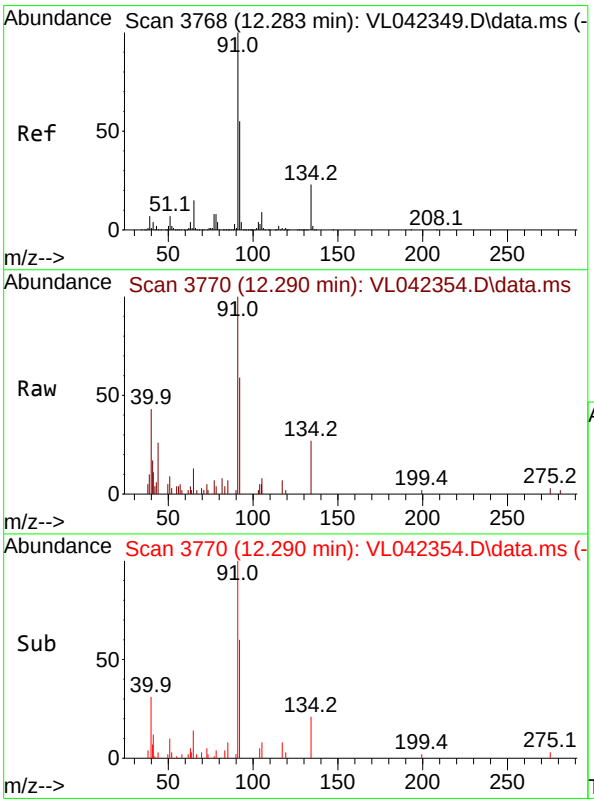
#69
p-Isopropyltoluene
Concen: 0.038 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 3139

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.0	30.0
91	35.7	24.4	36.6

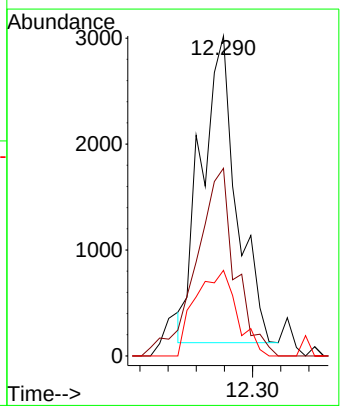


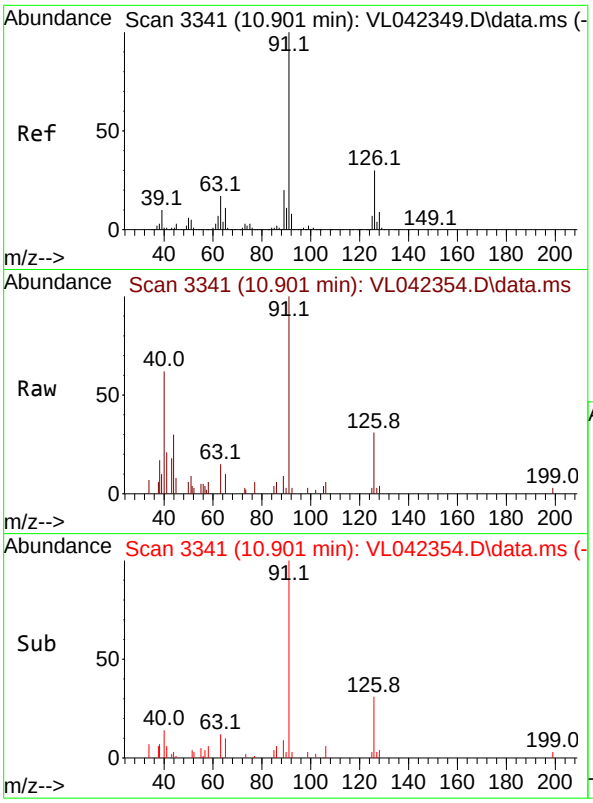


#70
n-Butylbenzene
Concen: 0.029 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion: 91 Resp: 2516

Ion	Ratio	Lower	Upper
91	100		
92	67.4	44.2	66.4#
134	34.4	18.2	27.4#



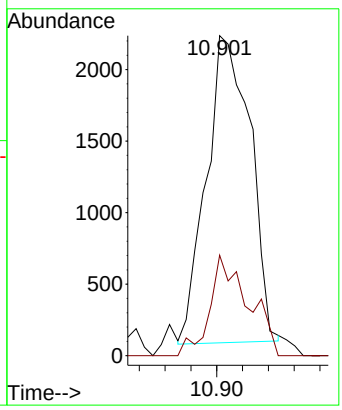


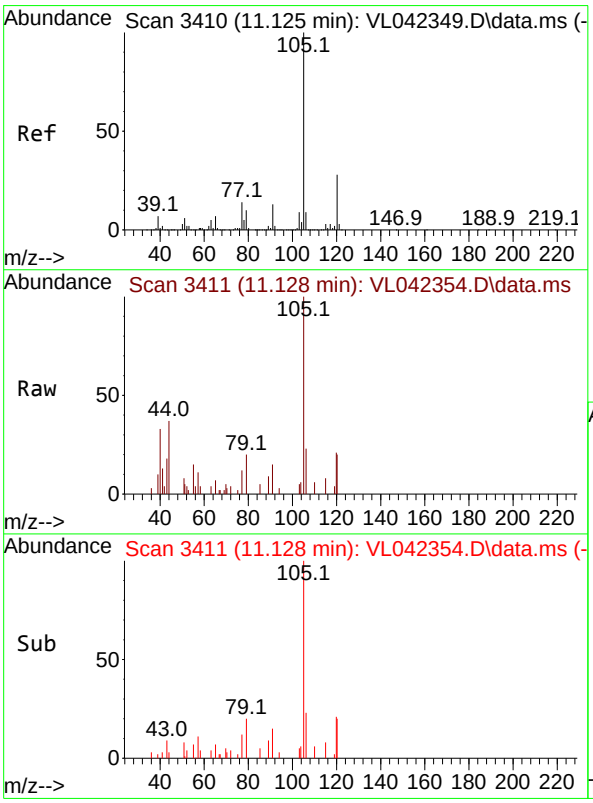
#71
2-Chlorotoluene
Concen: 0.044 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 2537

Ion	Ratio	Lower	Upper
91	100		
126	28.7	11.4	45.4

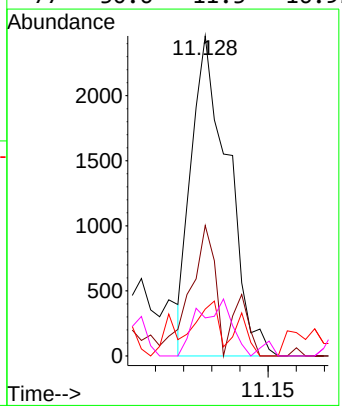


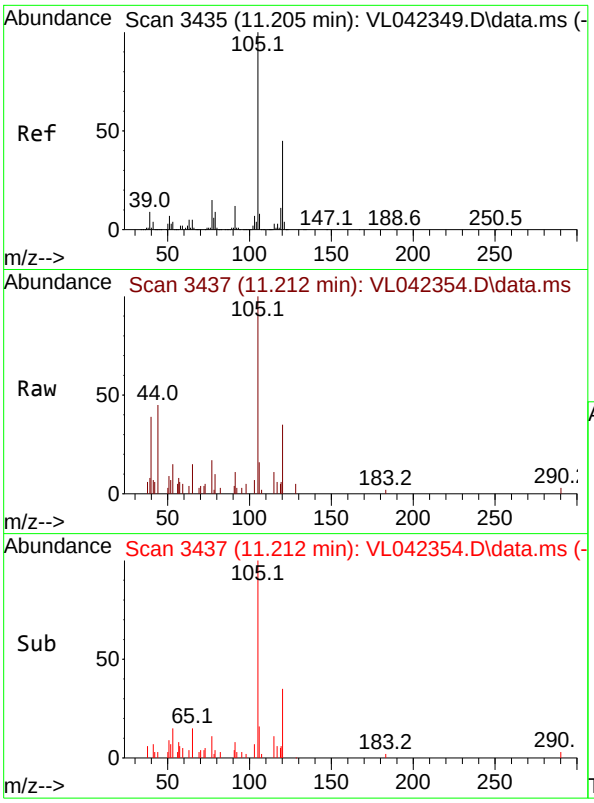


#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:105 Resp: 2221

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.2	34.8#
91	8.3	10.4	15.6#
77	30.6	11.3	16.9#



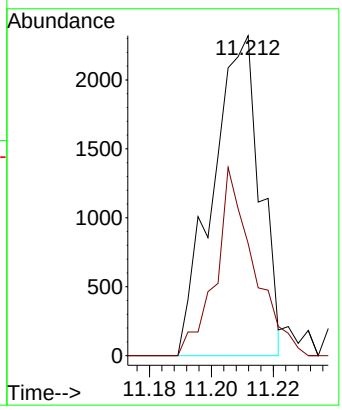


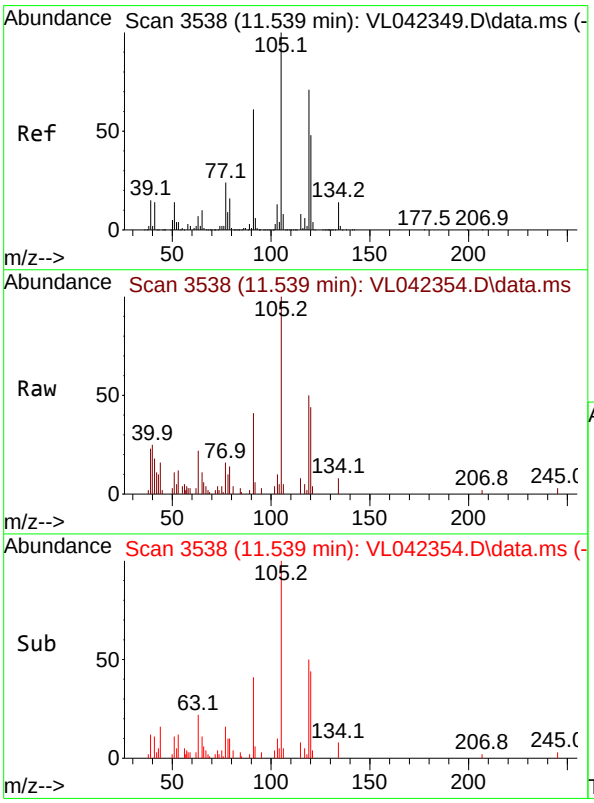
#73
1,3,5-Trimethylbenzene
Concen: 0.046 ppbv
RT: 11.212 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 2473

Ion	Ratio	Lower	Upper
105	100		
120	35.1	35.6	53.4#

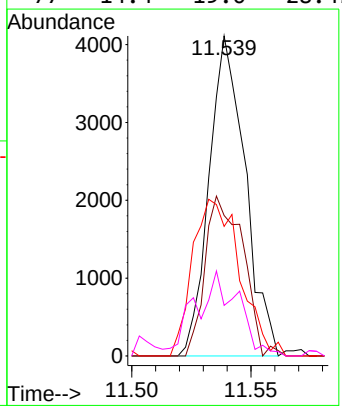


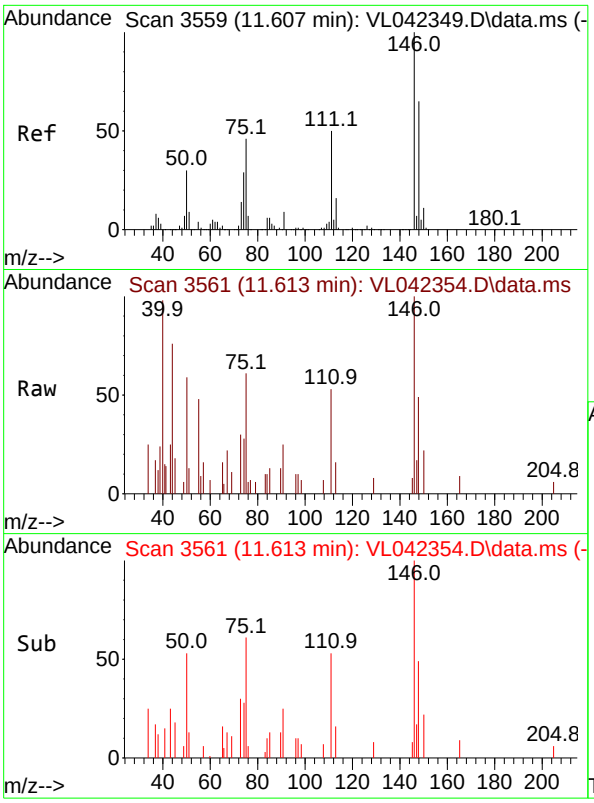


#74
1,2,4-Trimethylbenzene
Concen: 0.068 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:105 Resp: 4320

Ion	Ratio	Lower	Upper
105	100		
120	43.9	38.1	57.1
91	36.2	48.8	73.2#
77	14.4	19.0	28.4#



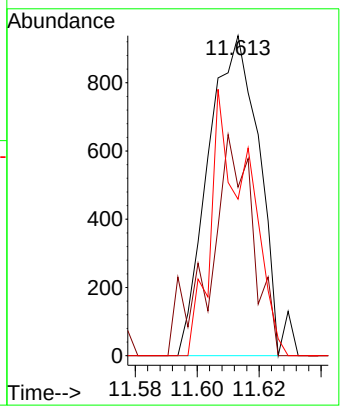


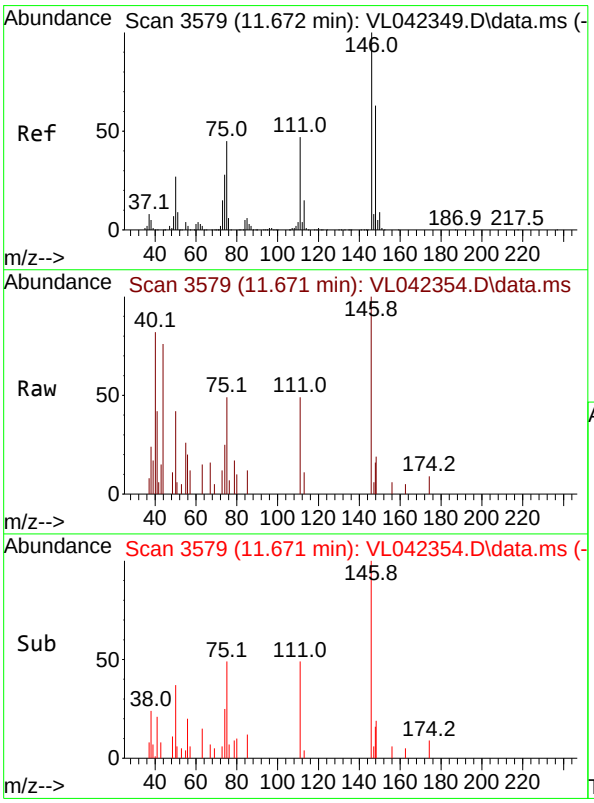
#75
1,3-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.613 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1056

Ion	Ratio	Lower	Upper
146	100		
111	61.1	24.3	72.8
148	62.4	31.6	94.8

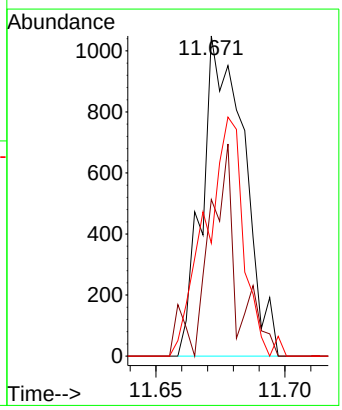


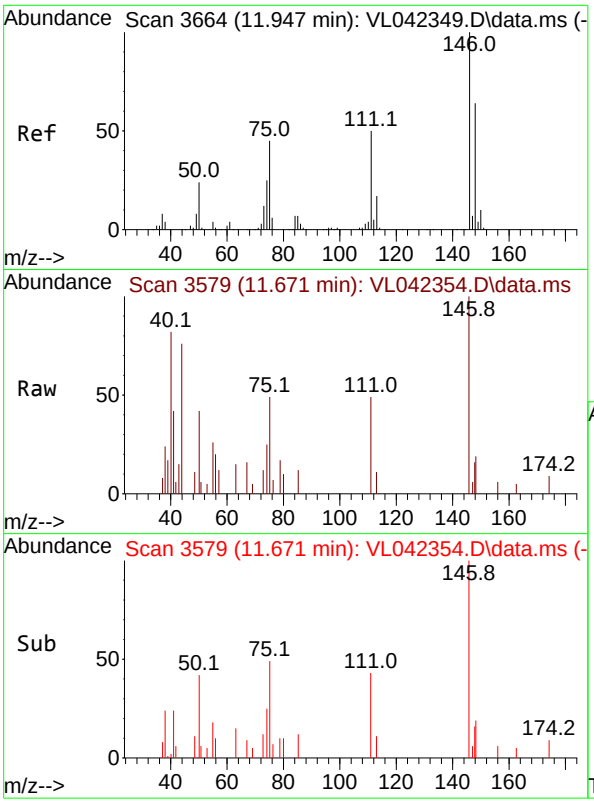


#76
1,4-Dichlorobenzene
Concen: 0.036 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:146 Resp: 1180

Ion	Ratio	Lower	Upper
146	100		
111	45.4	24.2	72.6
148	68.3	32.1	96.5



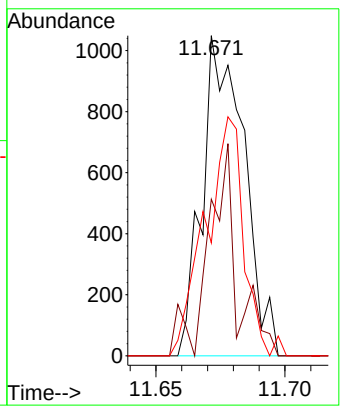


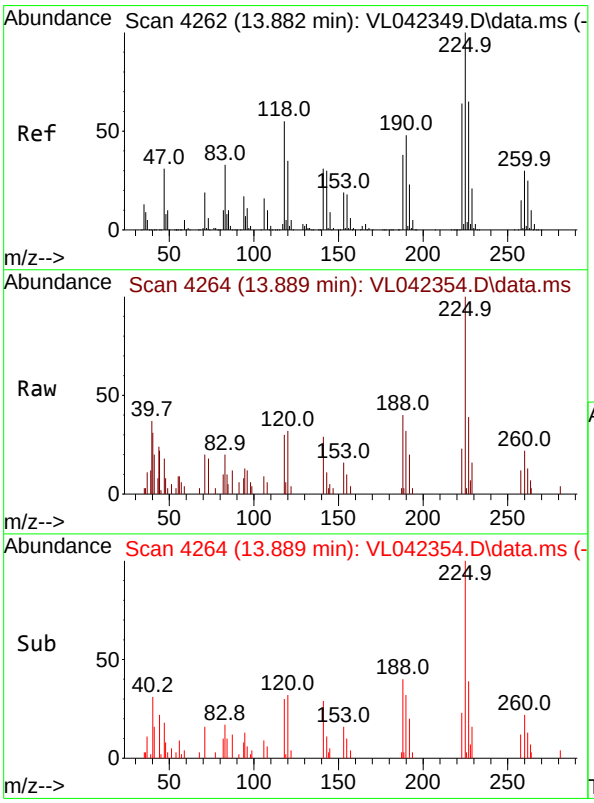
#77
1,2-Dichlorobenzene
Concen: 0.037 ppbv
RT: 11.671 min Scan# 3
Delta R.T. -0.275 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1180

Ion	Ratio	Lower	Upper
146	100		
111	45.4	25.3	75.9
148	68.3	31.5	94.5

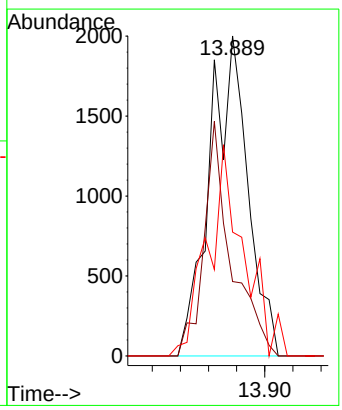


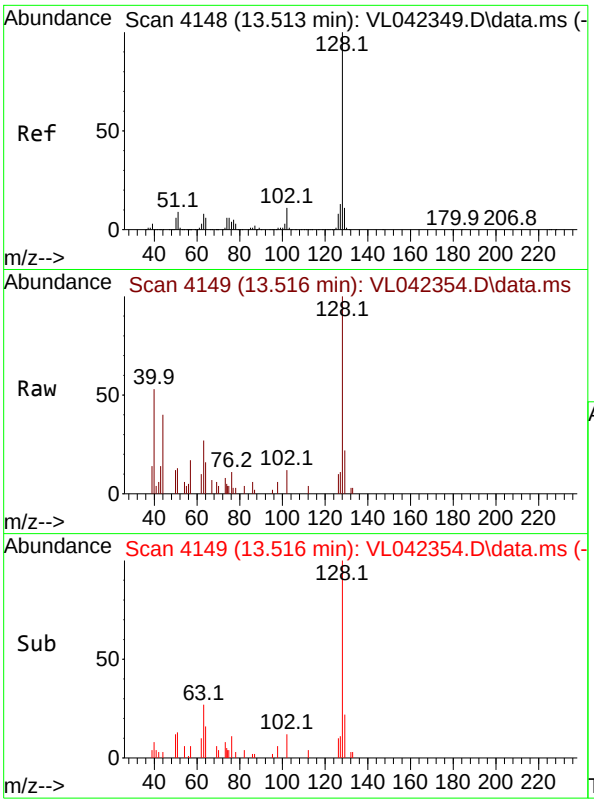


#78
Hexachloro-1,3-Butadiene
Concen: 0.058 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.006 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:225 Resp: 1879

Ion	Ratio	Lower	Upper
225	100		
223	52.2	50.3	75.5
227	62.5	51.5	77.3



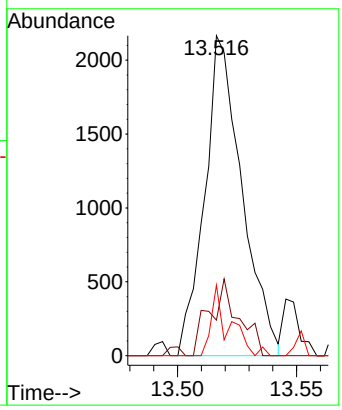


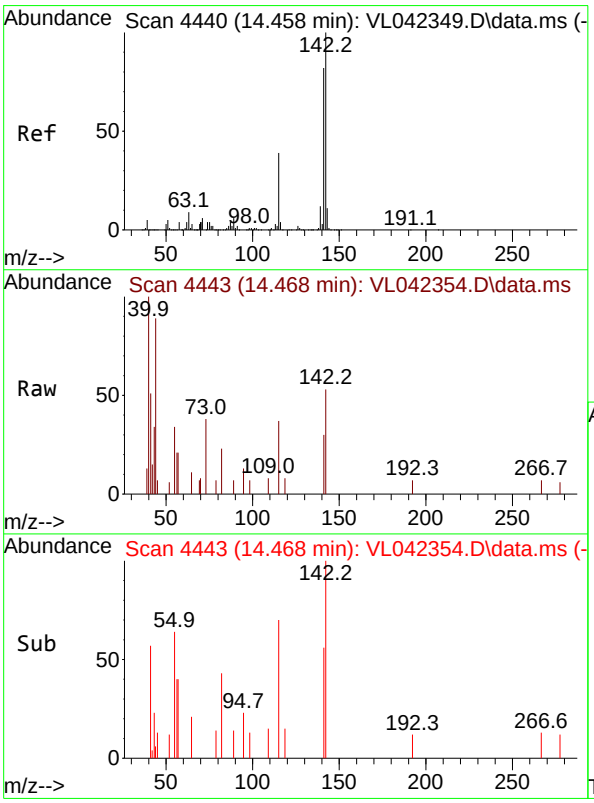
#79
Naphthalene
Concen: 0.031 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 2354

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	15.8
129	22.1	8.6	12.8#

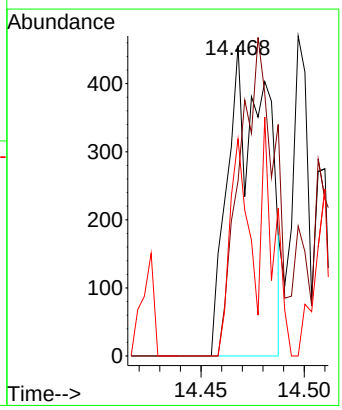


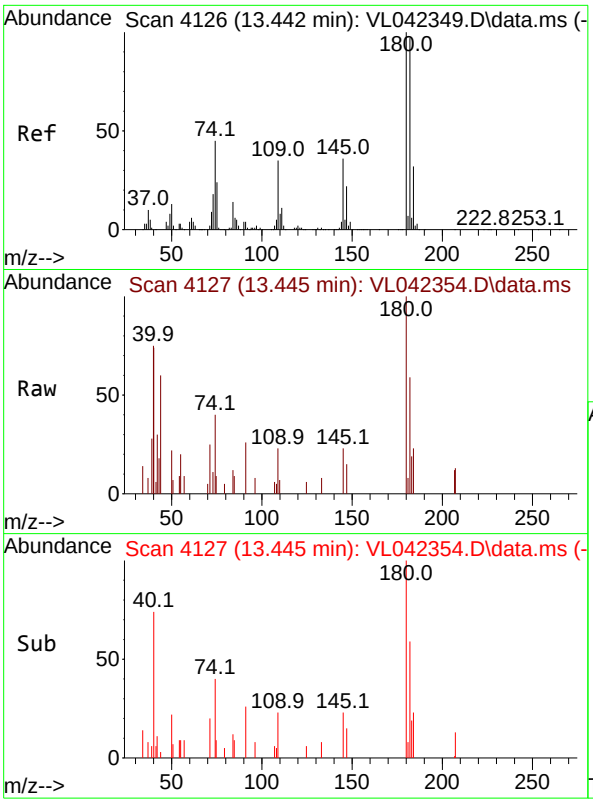


#80
Naphthalene,2-methyl-
Concen: 0.014 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.010 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Tgt Ion:142 Resp: 594

Ion	Ratio	Lower	Upper
142	100		
141	136.0	66.8	100.2#
115	59.1	33.4	50.2#



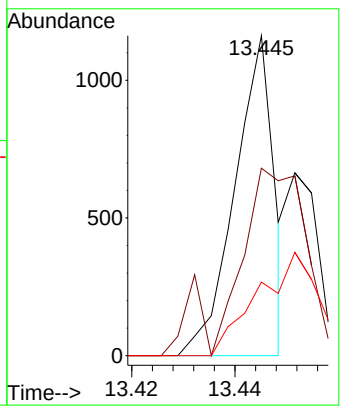


#81
1,2,4-Trichlorobenzene
Concen: 0.019 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042354.D
Acq: 17 Apr 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 614

Ion	Ratio	Lower	Upper
180	100		
182	116.4	76.8	115.2#
184	0.0	24.6	36.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	116071	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332080	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	308463	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	254437	10.038	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	292784	14.277	ppbv	99
3) Chlorodifluoromethane	1.477	51	280042	14.341	ppbv	98
4) Chloromethane	1.532	50	115775	14.266	ppbv	99
5) Vinyl Chloride	1.580	62	112650	12.752	ppbv	100
6) Bromomethane	1.667	94	52805	13.800	ppbv	88
7) Chloroethane	1.703	64	44347	13.881	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	255029	14.484	ppbv	98
9) Propene	1.483	41	123102	13.842	ppbv	95
10) Heptane	4.979	43	336134	14.047	ppbv	100
11) Trichlorofluoromethane	1.875	101	278059	14.258	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.137	101	230366	14.447	ppbv	99
13) Ethanol	1.719	45	6324	8.702	ppbv	76
14) Bromoethene	1.781	108	84851	14.117	ppbv	99
15) Acetone	1.833	43	229086	12.056	ppbv	99
16) 1,3-Butadiene	1.609	39	117997	13.224	ppbv	96
17) tert-Butyl alcohol	2.040	59	320605	13.615	ppbv	99
18) 1,1-Dichloroethene	2.033	96	107666	14.045	ppbv	99
19) Isopropyl Alcohol	1.884	45	139004	13.169	ppbv	94
20) Methylene Chloride	2.059	84	91093	12.241	ppbv	90
21) Allyl Chloride	2.095	41	187995	14.329	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	118492	13.970	ppbv	94
23) Vinyl Acetate	2.460	43	106135	13.799	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	235466	14.615	ppbv	99
25) Ethyl Acetate	2.836	43	663644	14.166	ppbv	100
26) Hexane	2.826	57	260975	13.765	ppbv	97
27) Carbon Disulfide	2.150	76	299098	14.734	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	174855	14.076	ppbv	95
29) Chloroform	2.849	83	385686	14.393	ppbv	99
30) Cyclohexane	3.855	84	217375	14.238	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	264972	14.700	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	412537	14.357	ppbv	99
34) 2-Butanone	2.558	43	367315	13.986	ppbv	100
35) Carbon Tetrachloride	3.762	117	409916	13.639	ppbv	94
36) Benzene	3.655	78	522156	14.578	ppbv	97
37) 1,2-Dichloroethane	3.218	62	319517	14.863	ppbv	100
38) Trichloroethene	4.548	130	208508	13.278	ppbv	98
39) 1,2-Dichloropropane	4.312	63	189697	14.201	ppbv	97
40) 1,4-Dioxane	4.580	88	92114	12.733	ppbv #	95
41) Tetrahydrofuran	3.053	42	214949	14.166	ppbv	98
42) Bromodichloromethane	4.490	83	442735	14.798	ppbv	95
43) Methyl Methacrylate	4.878	69	219757	13.670	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	893529	14.425	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	244470	14.810	ppbv	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	300145	14.878	ppbv		90
47) 1,1,2-Trichloroethane	6.581	97	198874	14.615	ppbv		98
48) Dibromochloromethane	7.390	129	362887	15.105	ppbv		98
49) Bromoform	9.484	173	312282	14.865	ppbv		99
50) 4-Methyl-2-Pentanone	5.749	43	563658	12.889	ppbv		99
51) 2-Hexanone	7.435	43	467001	11.834	ppbv	#	98
52) Tetrachloroethene	8.225	164	180631	13.046	ppbv		97
53) Toluene	6.933	91	619420	14.411	ppbv		99
54) 1,2-Dibromoethane	7.652	107	280071	14.442	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.927	131	268626	14.389	ppbv		97
57) Chlorobenzene	8.921	112	454017	14.151	ppbv		97
58) Ethyl Benzene	9.354	91	874424	14.308	ppbv		100
59) m/p-Xylene	9.552	91	645250	13.067	ppbv	#	21
60) o-Xylene	9.963	91	689246	13.902	ppbv		99
61) Styrene	9.872	104	339508	14.347	ppbv		99
62) Isopropylbenzene	10.539	105	1018968	13.999	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.963	83	412898	12.816	ppbv		100
64) n-propylbenzene	10.989	120	260812	14.255	ppbv		94
65) tert-Butylbenzene	11.533	119	899720	13.449	ppbv		93
66) Benzyl Chloride	11.617	91	96016	13.061	ppbv		96
67) sec-Butylbenzene	11.769	105	1253263	13.468	ppbv		100
69) p-Isopropyltoluene	11.928	119	1081850	13.382	ppbv		99
70) n-Butylbenzene	12.284	91	1117042	13.266	ppbv		100
71) 2-Chlorotoluene	10.902	91	806728	14.131	ppbv		100
72) 4-Ethyltoluene	11.125	105	848077	13.992	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	726558	13.578	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	785772	12.572	ppbv		97
75) 1,3-Dichlorobenzene	11.610	146	444086	13.670	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	450662	13.802	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	427372	13.529	ppbv		99
78) Hexachloro-1,3-Butadiene	13.883	225	404441	12.679	ppbv		100
79) Naphthalene	13.514	128	944085	12.632	ppbv		98
80) Naphthalene,2-methyl-	14.459	142	540339	12.686	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	429982	13.398	ppbv		98

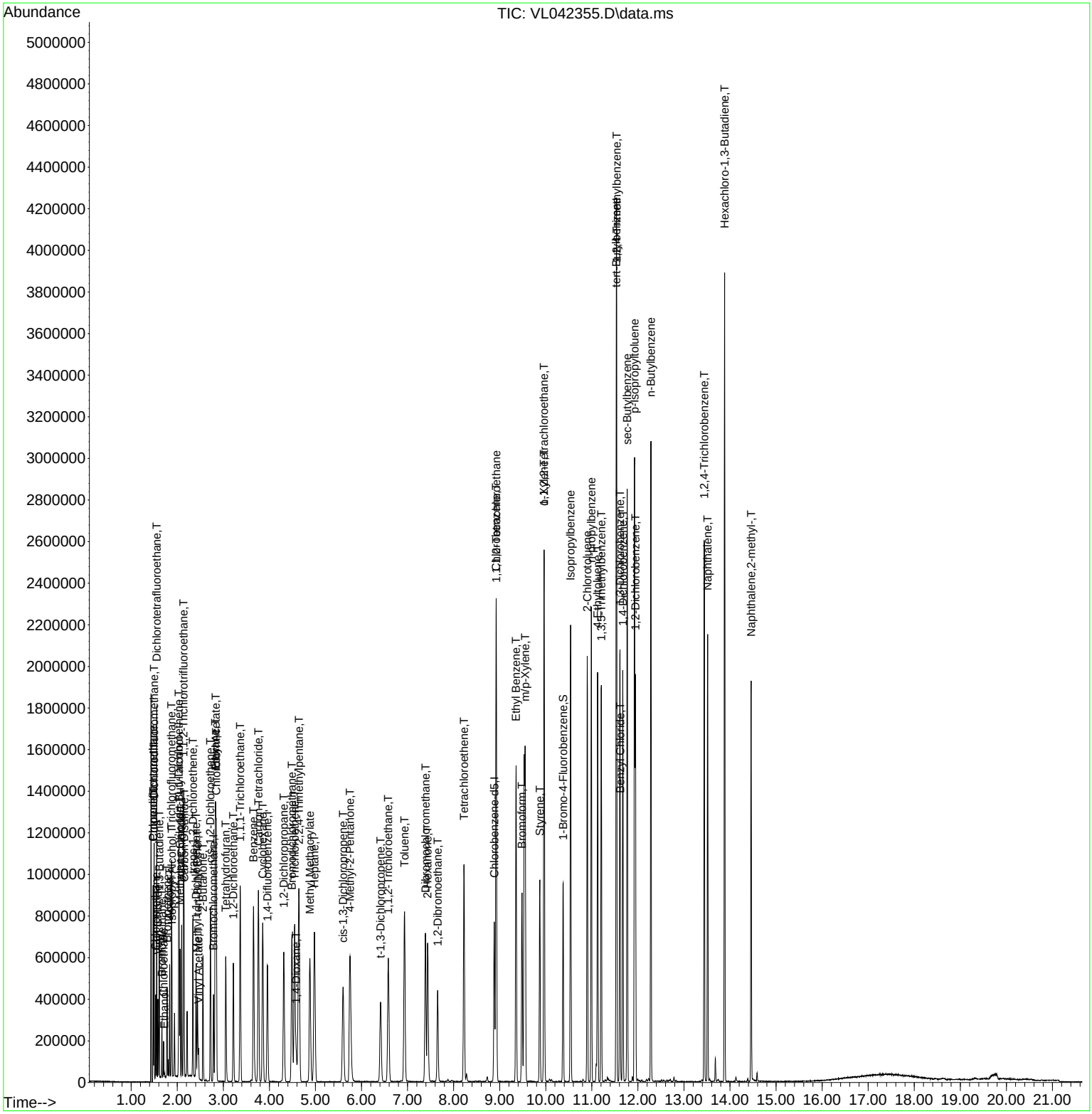
(#) = qualifier out of range (m) = manual integration (+) = signals summed

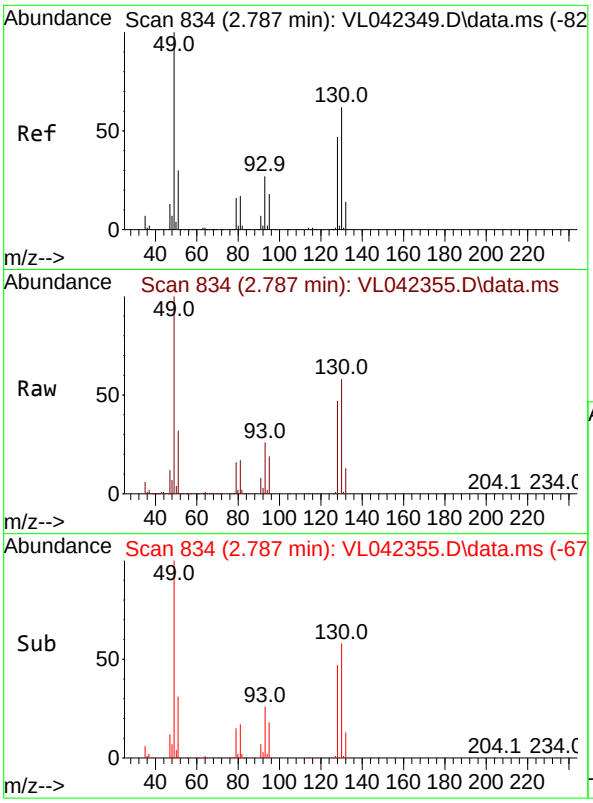
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042355.D
Acq On : 17 Apr 2025 12:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Apr 18 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration



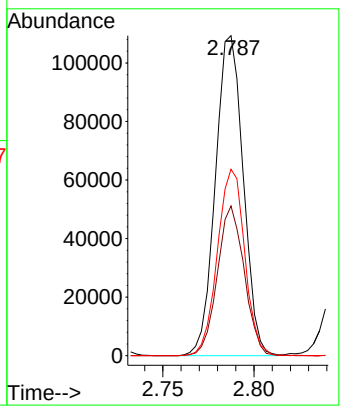


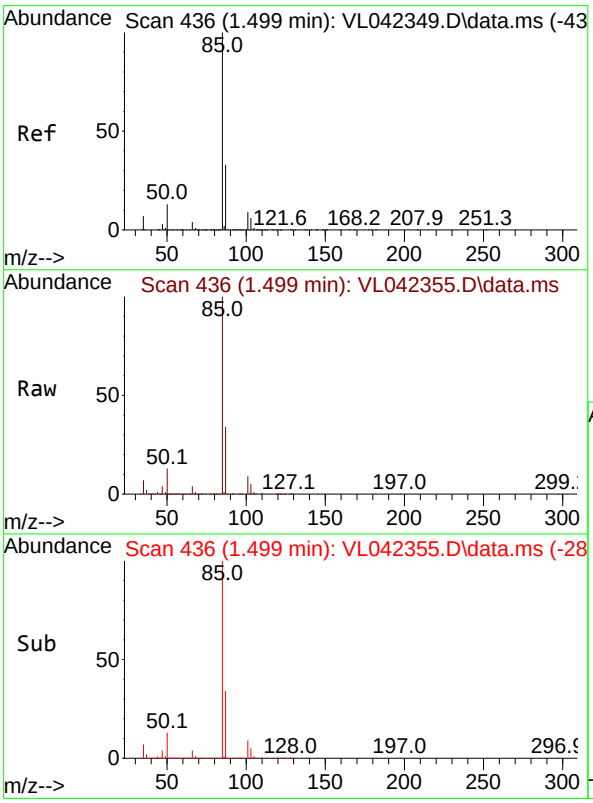
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 116071

Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.8	68.4
130	57.1	29.3	88.0

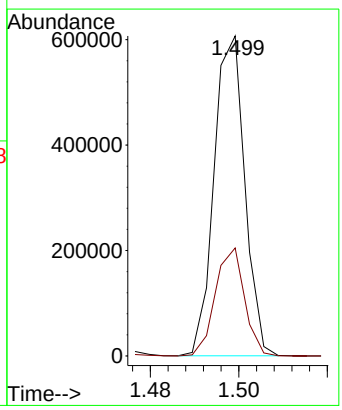


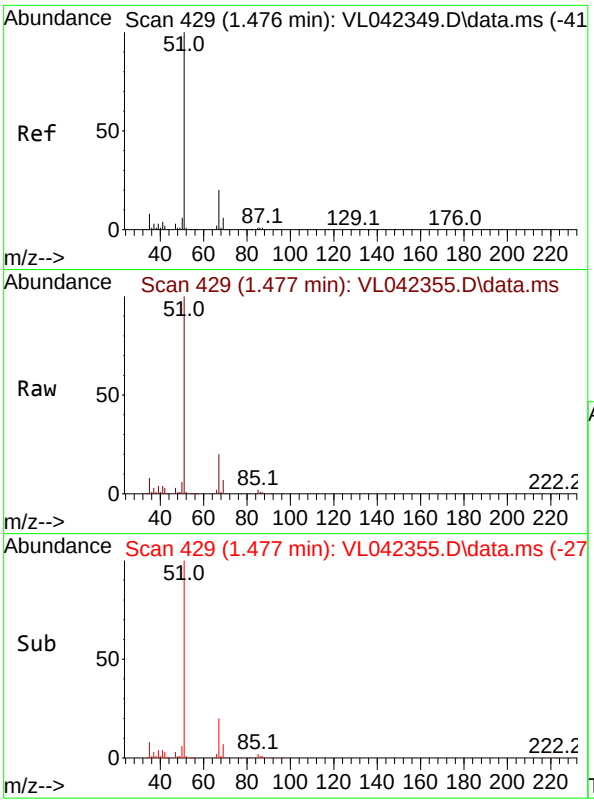


#2
Dichlorodifluoromethane
Concen: 14.277 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 85 Resp: 292784

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.6	39.8



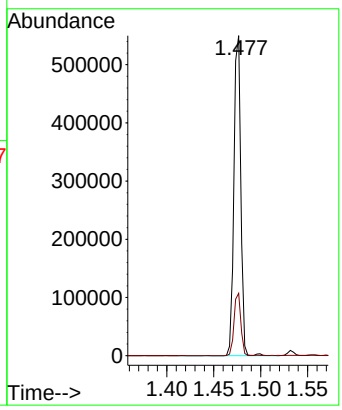


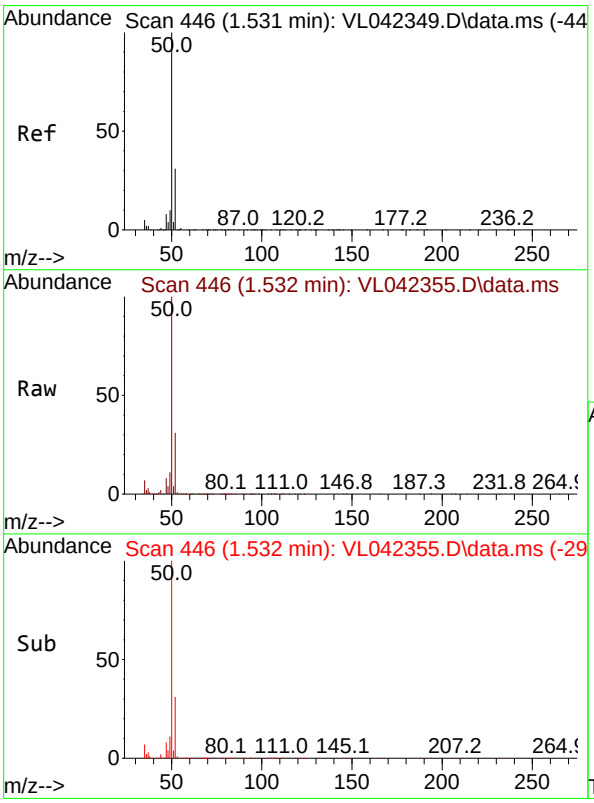
#3
Chlorodifluoromethane
Concen: 14.341 ppbv
RT: 1.477 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 280042

Ion	Ratio	Lower	Upper
51	100		
67	19.5	16.2	24.4

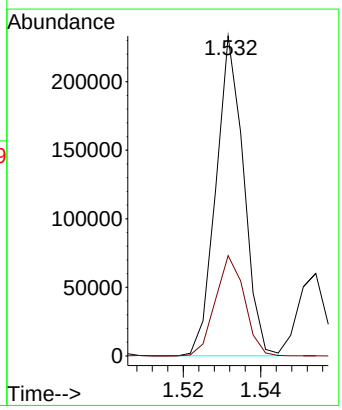


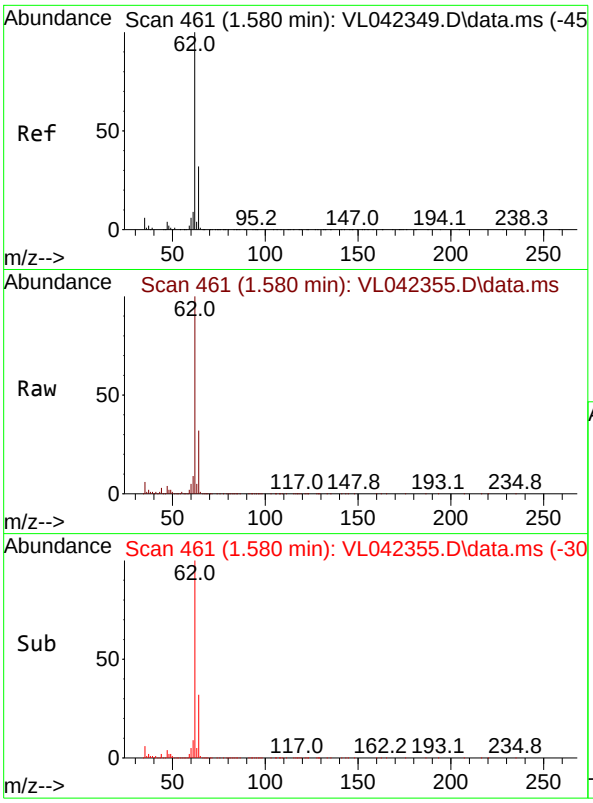


#4
Chloromethane
Concen: 14.266 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 50 Resp: 115775

Ion	Ratio	Lower	Upper
50	100		
52	31.3	24.7	37.1



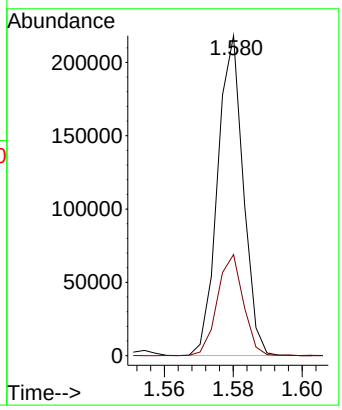


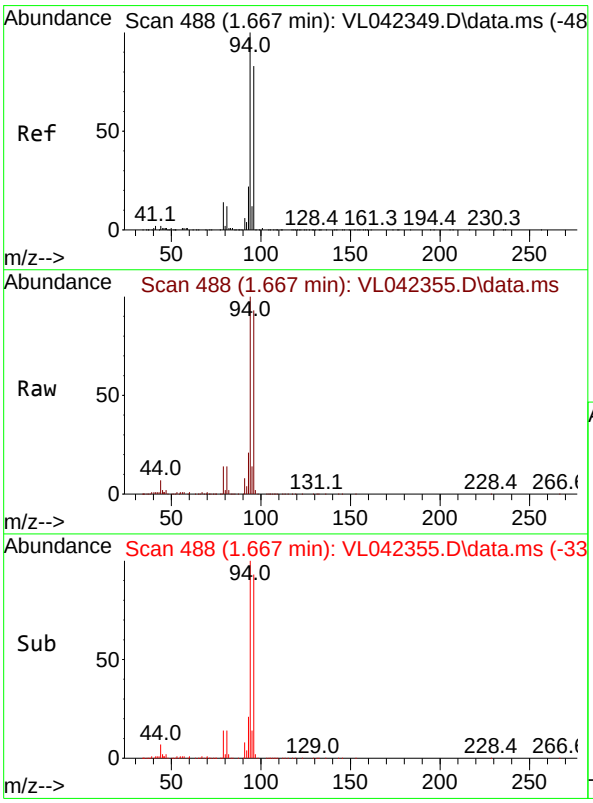
#5
Vinyl Chloride
Concen: 12.752 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 112650

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.4	38.0

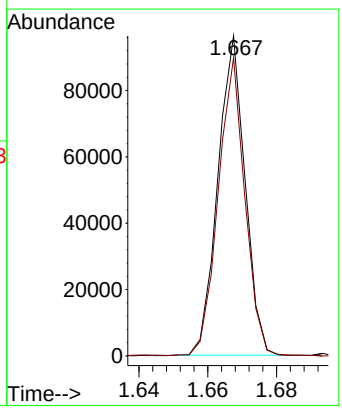


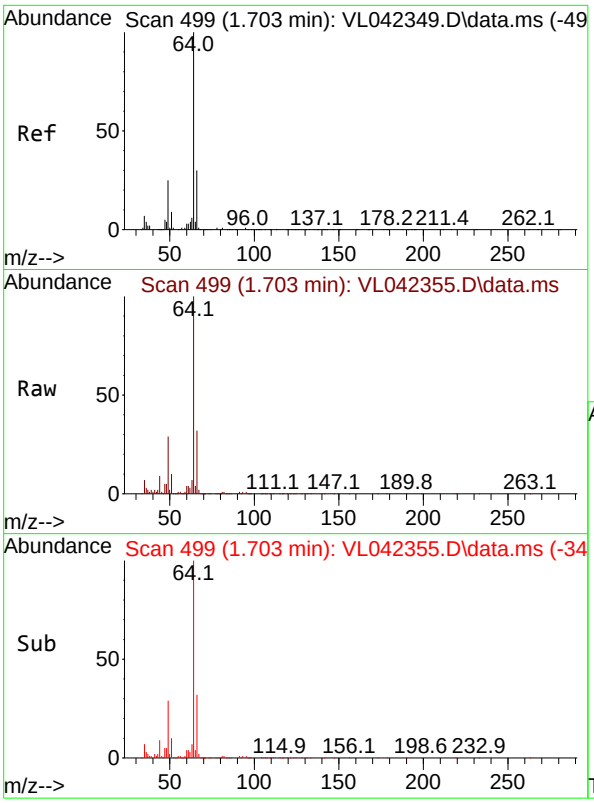


#6
Bromomethane
Concen: 13.800 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 94 Resp: 52805

Ion	Ratio	Lower	Upper
94	100		
96	93.1	66.2	99.2



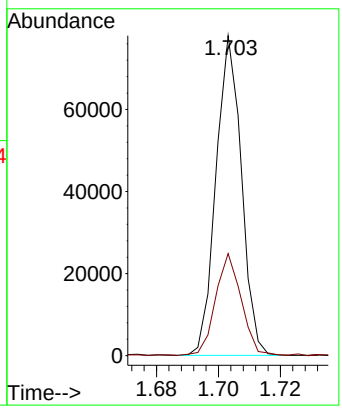


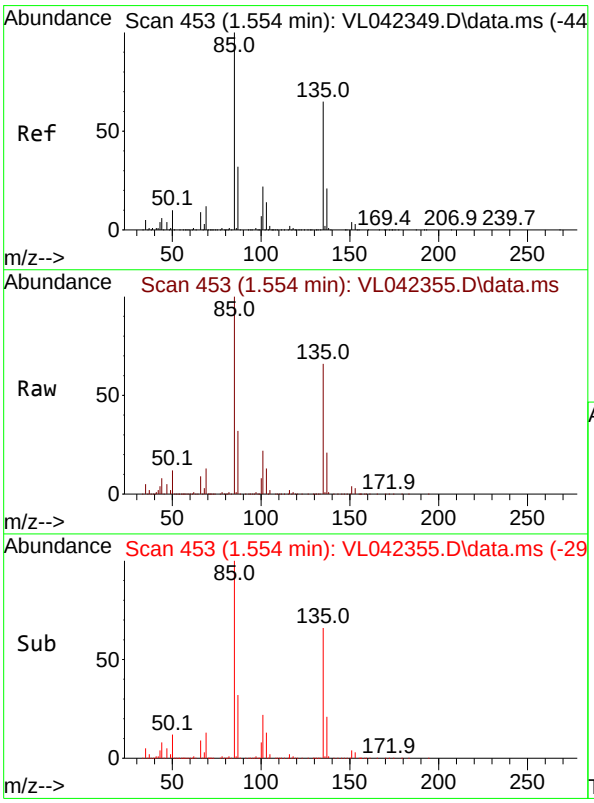
#7
Chloroethane
Concen: 13.881 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 44347

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.6	37.0

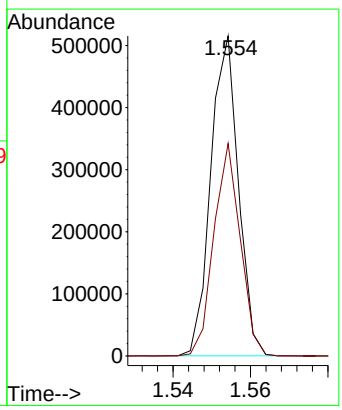


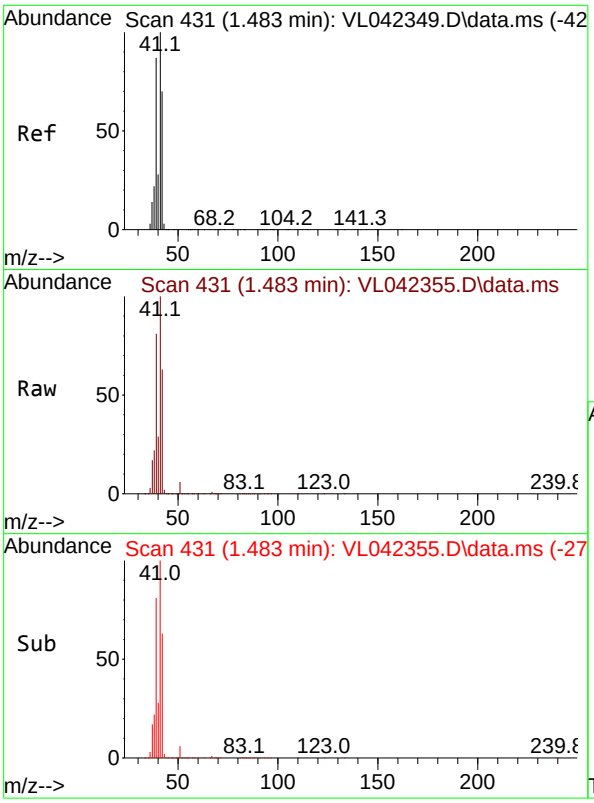


#8
Dichlorotetrafluoroethane
Concen: 14.484 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 85 Resp: 255029

Ion	Ratio	Lower	Upper
85	100		
135	63.6	52.2	78.2



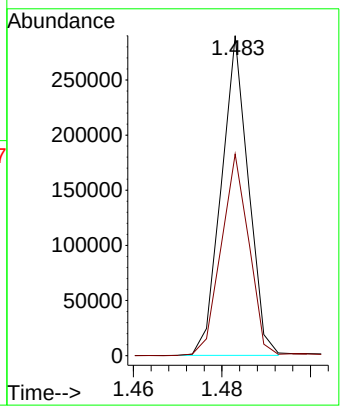


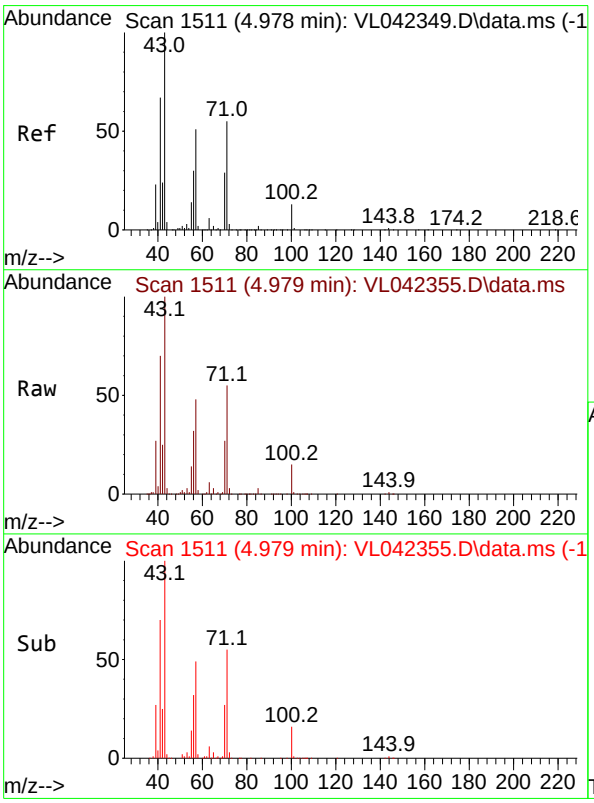
#9
Propene
Concen: 13.842 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 123102

Ion	Ratio	Lower	Upper
41	100		
42	66.0	56.2	84.4

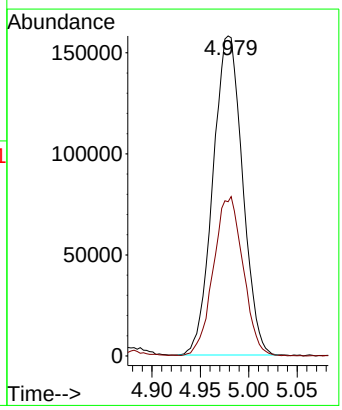


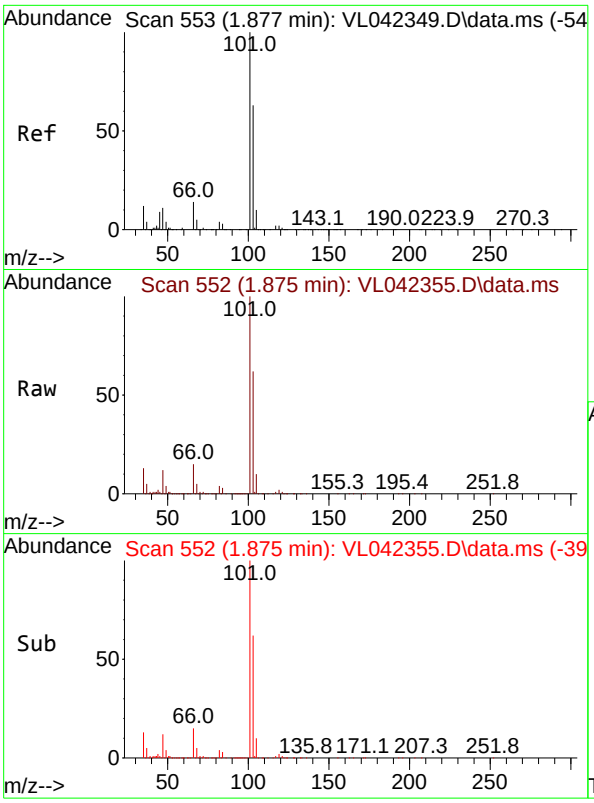


#10
Heptane
Concen: 14.047 ppbv
RT: 4.979 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 336134

Ion	Ratio	Lower	Upper
43	100		
57	50.0	39.9	59.9



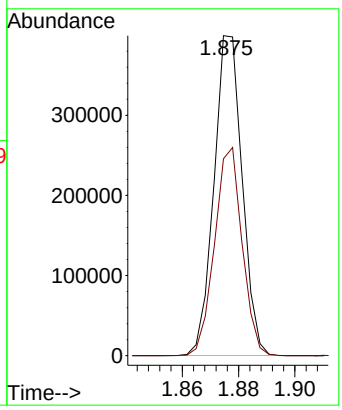


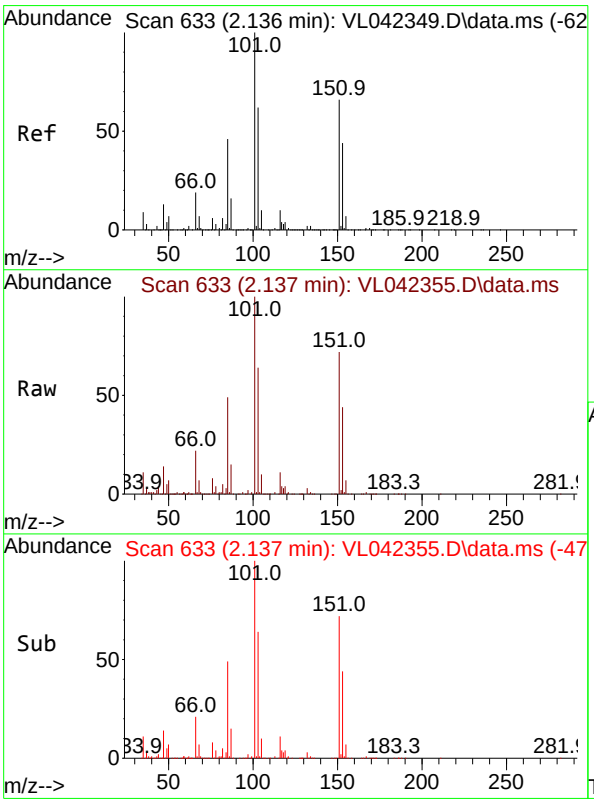
#11
Trichlorofluoromethane
Concen: 14.258 ppbv
RT: 1.875 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 278059

Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.1	75.1

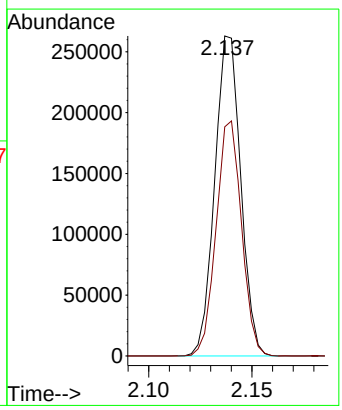


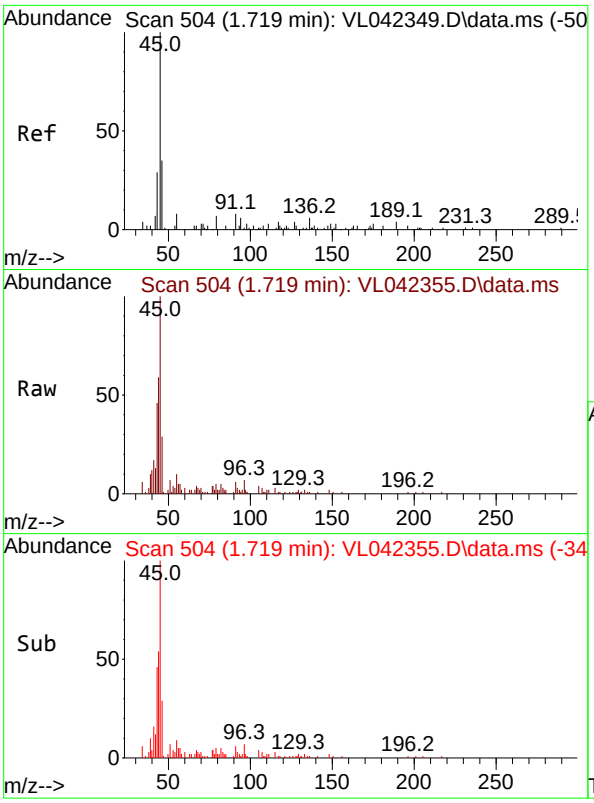


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.447 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:101 Resp: 230366

Ion	Ratio	Lower	Upper
101	100		
151	71.8	57.0	85.6



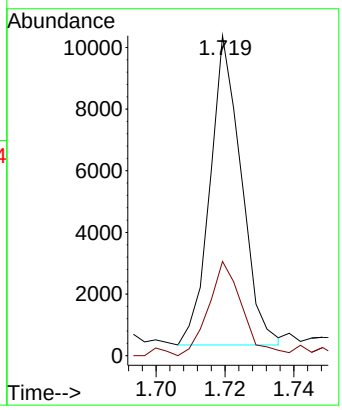


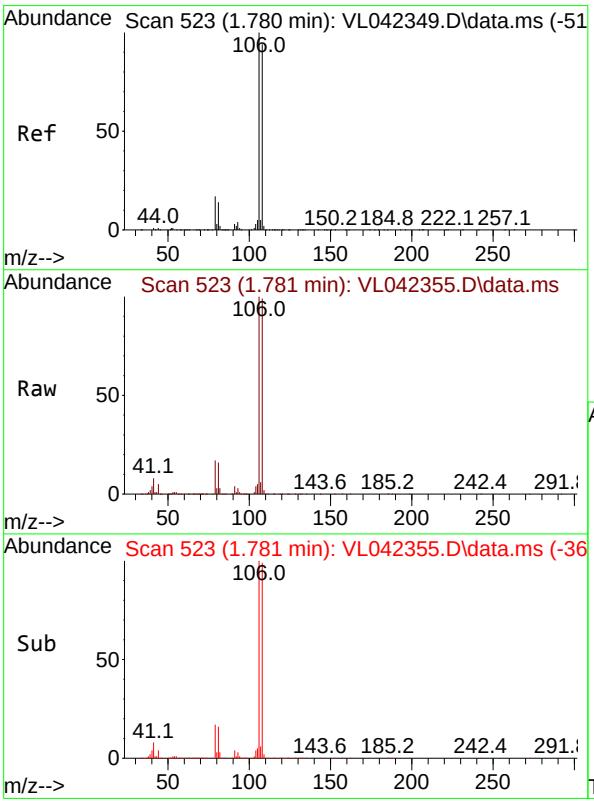
#13
Ethanol
Concen: 8.702 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 6324

Ion	Ratio	Lower	Upper
45	100		
46	37.6	21.9	87.7

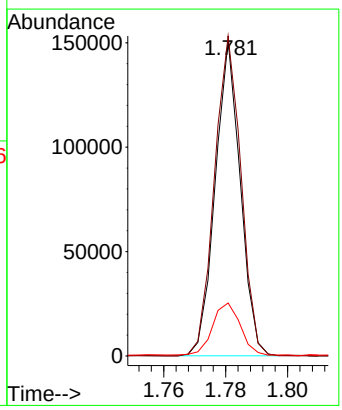


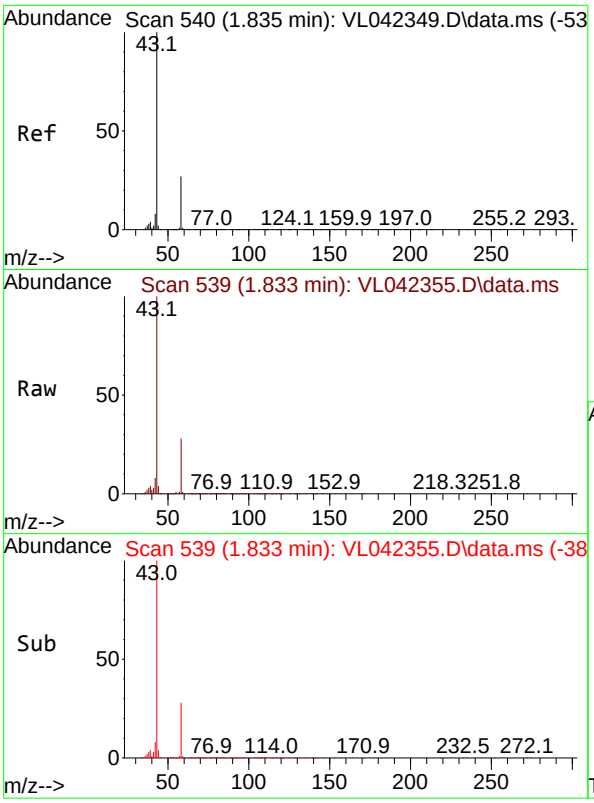


#14
Bromoethene
Concen: 14.117 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:108 Resp: 84851

Ion	Ratio	Lower	Upper
108	100		
106	107.5	85.9	128.9
79	19.3	13.9	20.9



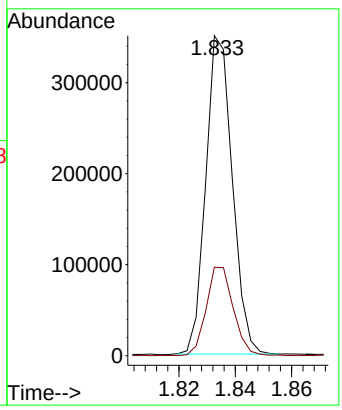


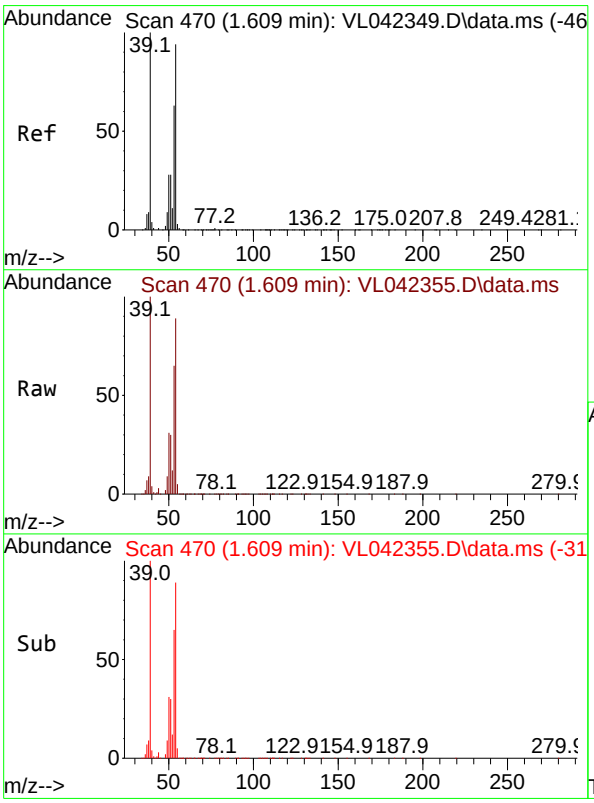
#15
Acetone
Concen: 12.056 ppbv
RT: 1.833 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 229086

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6

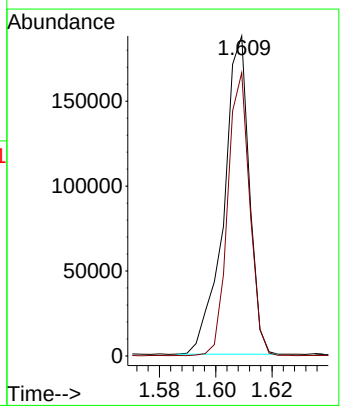


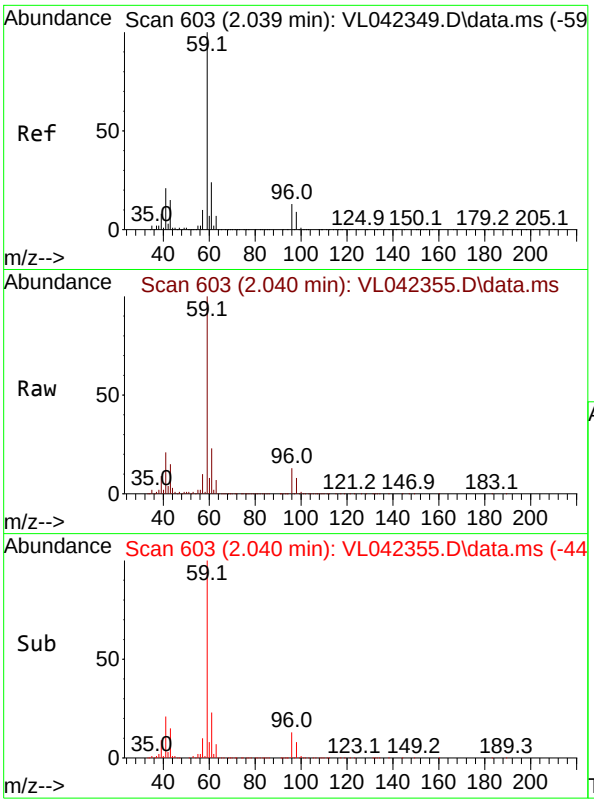


#16
1,3-Butadiene
Concen: 13.224 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 39 Resp: 117997

Ion	Ratio	Lower	Upper
39	100		
54	77.2	64.9	97.3



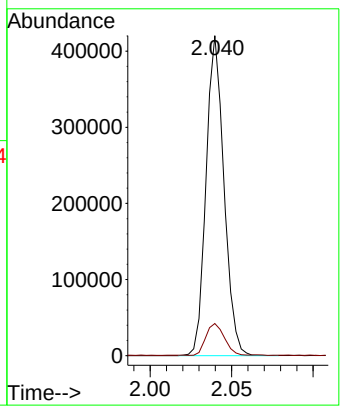


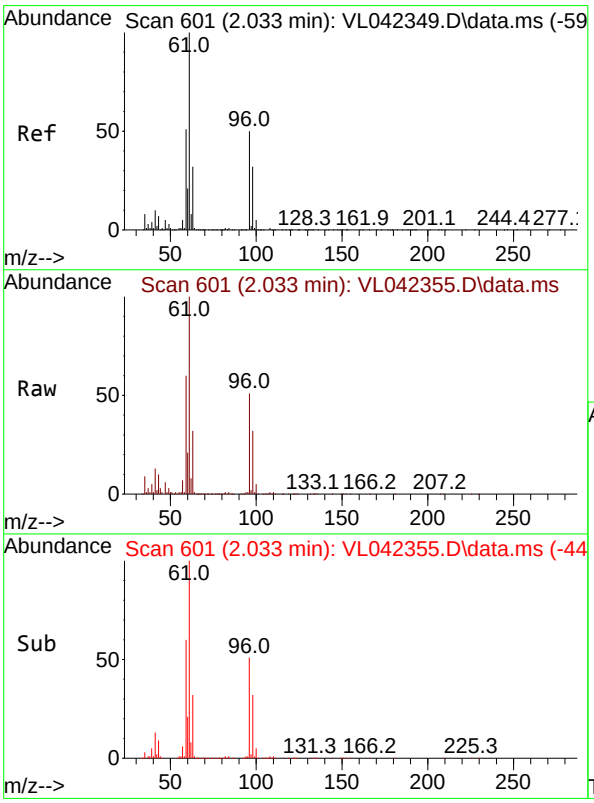
#17
tert-Butyl alcohol
Concen: 13.615 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 320605

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1

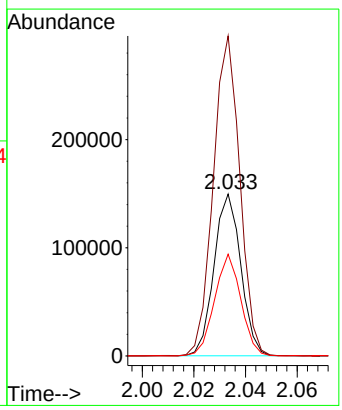


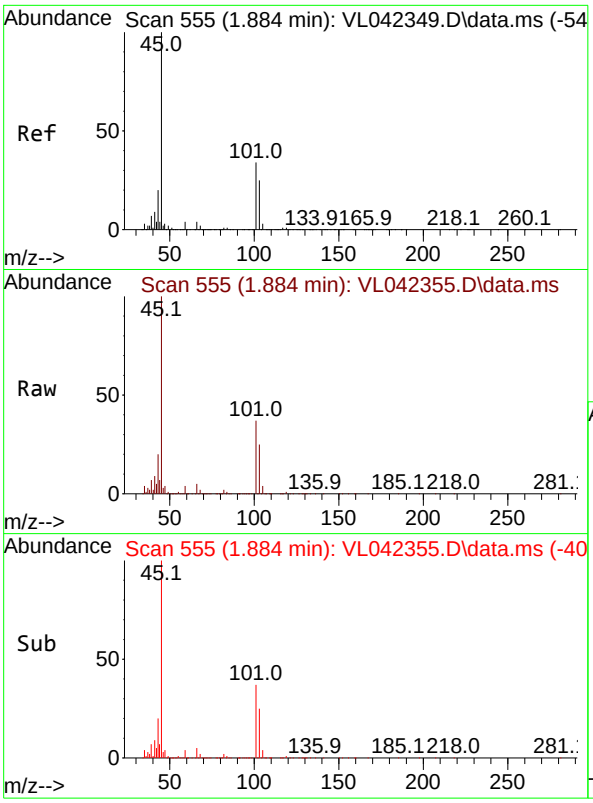


#18
1,1-Dichloroethene
Concen: 14.045 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 96 Resp: 107666

Ion	Ratio	Lower	Upper
96	100		
61	197.8	160.2	240.2
98	62.9	51.0	76.4



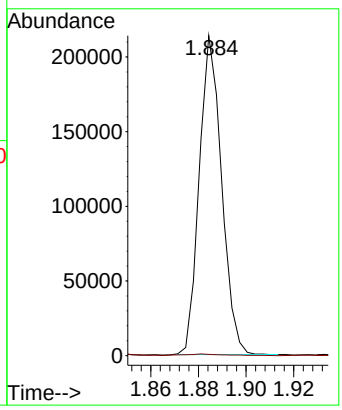


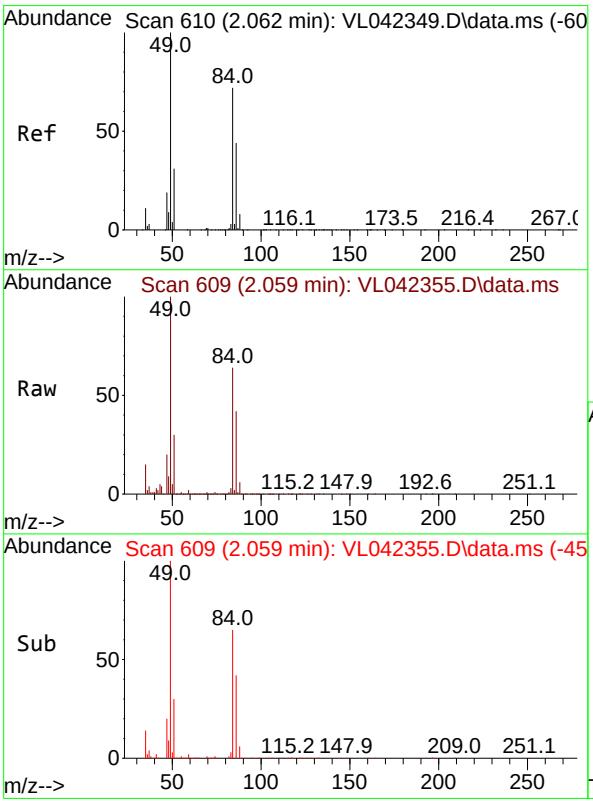
#19
Isopropyl Alcohol
Concen: 13.169 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 139004

Ion	Ratio	Lower	Upper
45	100		
58	46.9	34.5	51.7

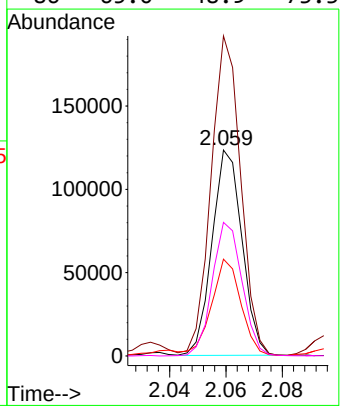


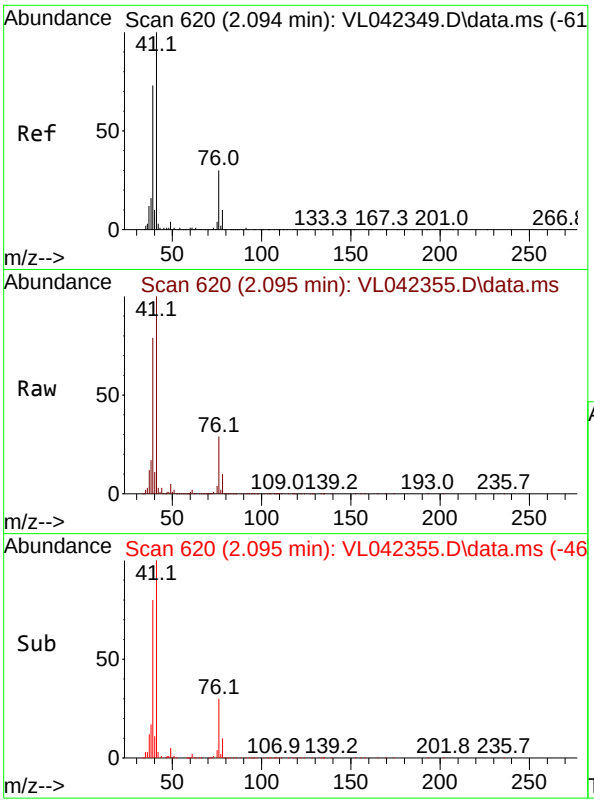


#20
Methylene Chloride
Concen: 12.241 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 84 Resp: 91093

Ion	Ratio	Lower	Upper
84	100		
49	155.7	111.6	167.4
51	46.8	35.1	52.7
86	65.0	48.9	73.3



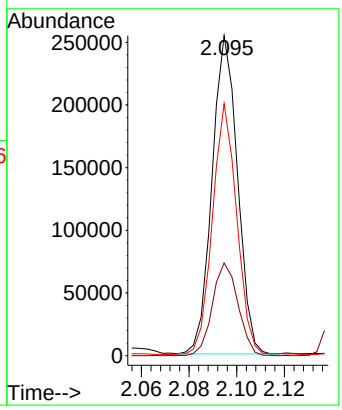


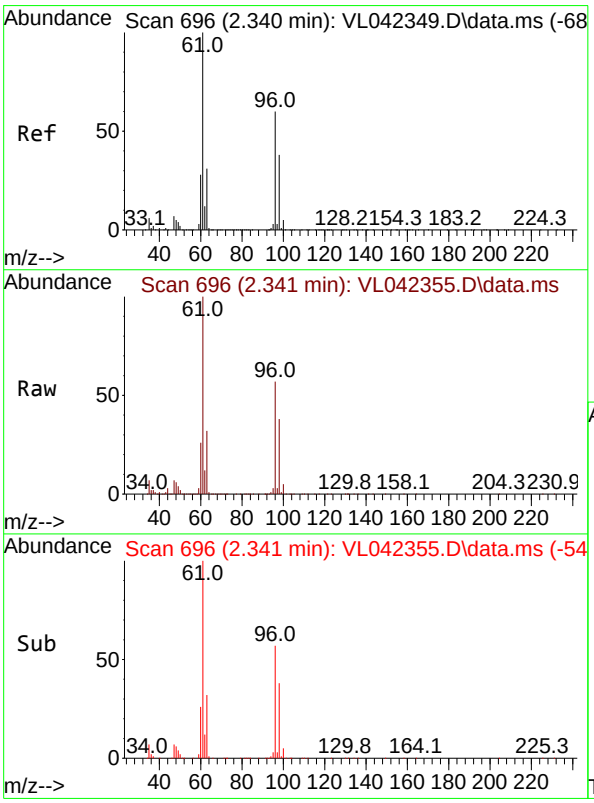
#21
Allyl Chloride
Concen: 14.329 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 187995

Ion	Ratio	Lower	Upper
41	100		
76	29.3	24.8	37.2
39	75.2	60.6	90.8

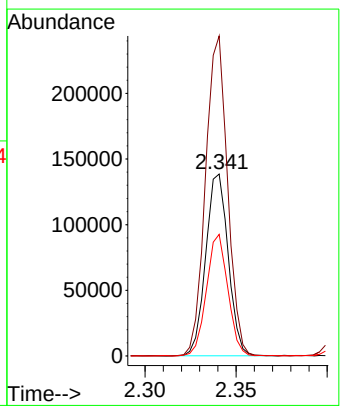


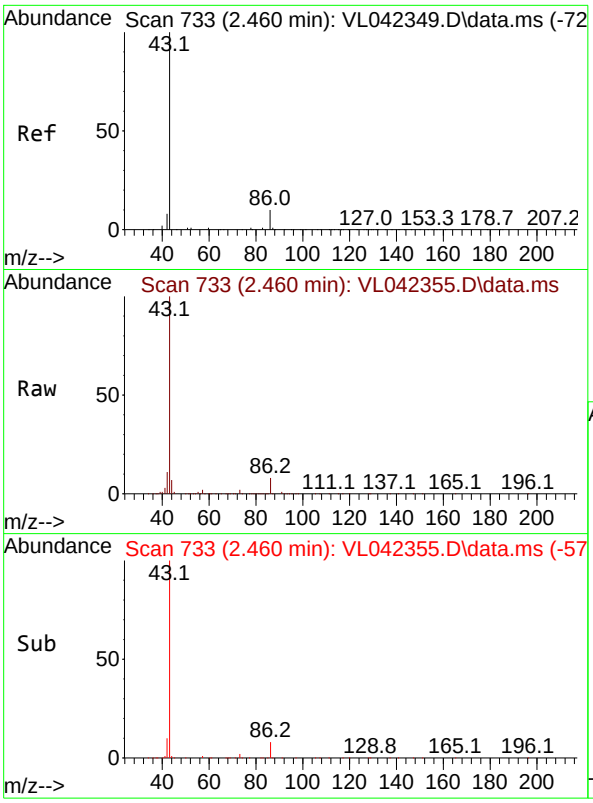


#22
trans-1,2-Dichloroethene
Concen: 13.970 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 96 Resp: 118492

Ion	Ratio	Lower	Upper
96	100		
61	176.1	133.7	200.5
98	66.8	50.3	75.5



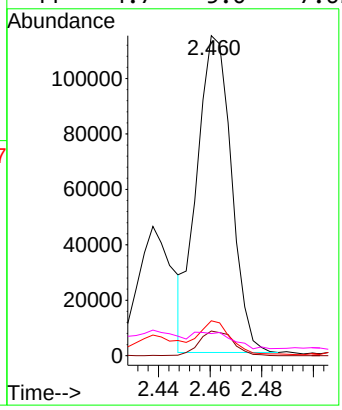


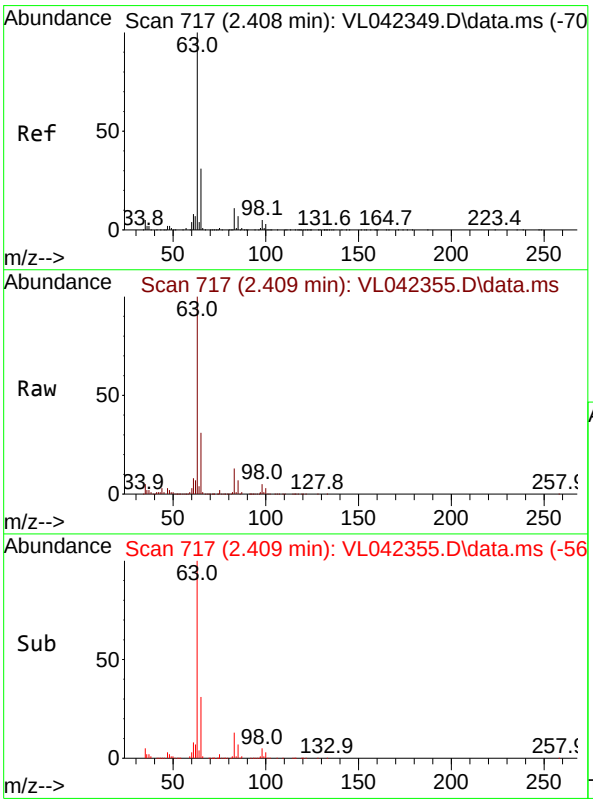
#23
Vinyl Acetate
Concen: 13.799 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 106135

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.5	9.7
42	10.4	7.8	11.8
44	4.7	5.0	7.6#

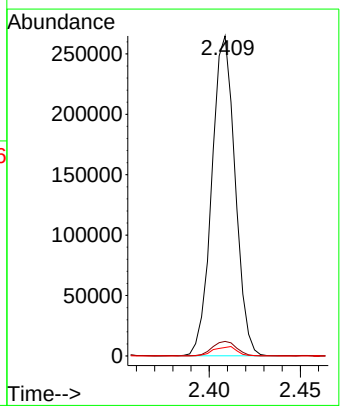


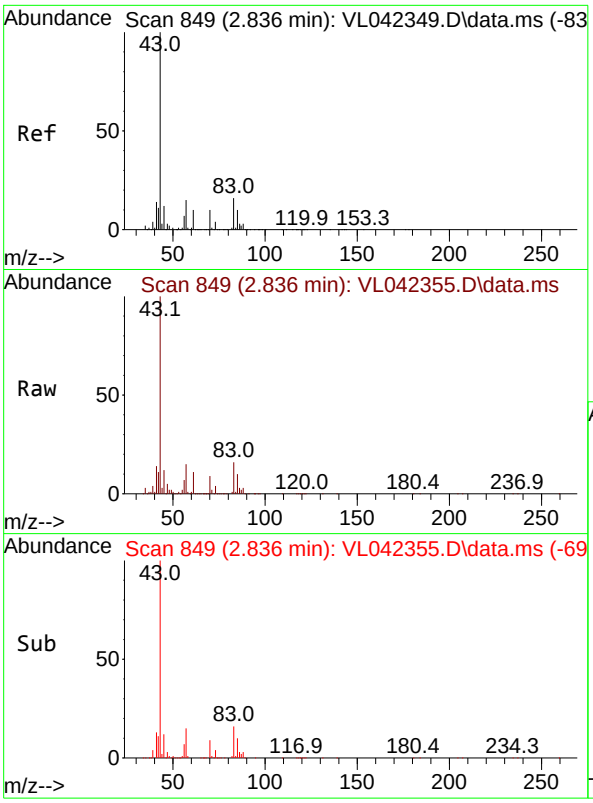


#24
1,1-Dichloroethane
Concen: 14.615 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 63 Resp: 235466

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.6	1.6	4.8



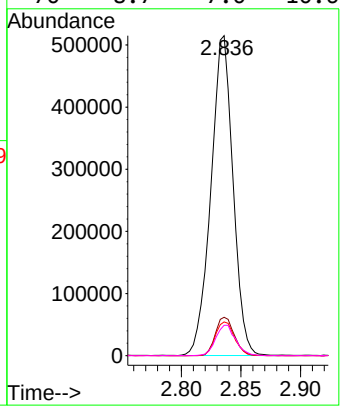


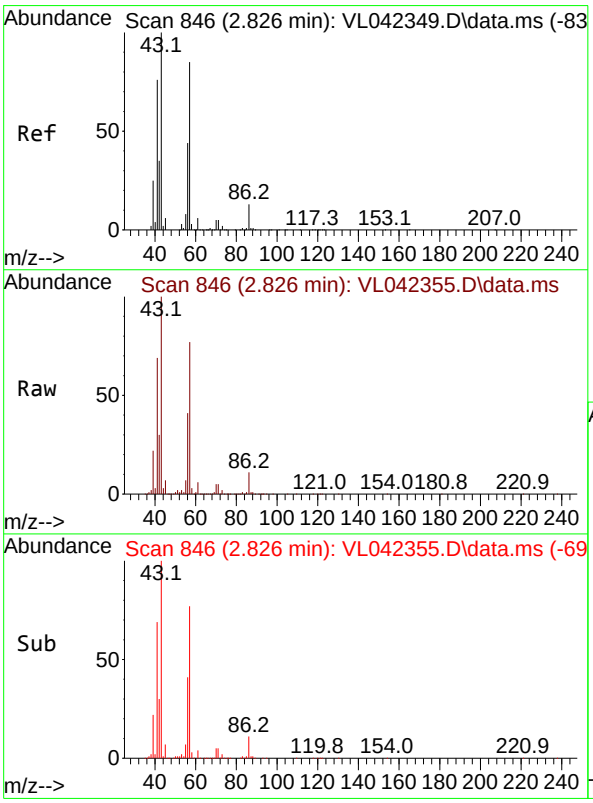
#25
Ethyl Acetate
Concen: 14.166 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 663644

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.2	7.3	10.9
70	8.7	7.0	10.6

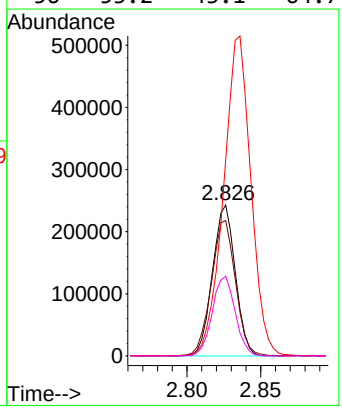


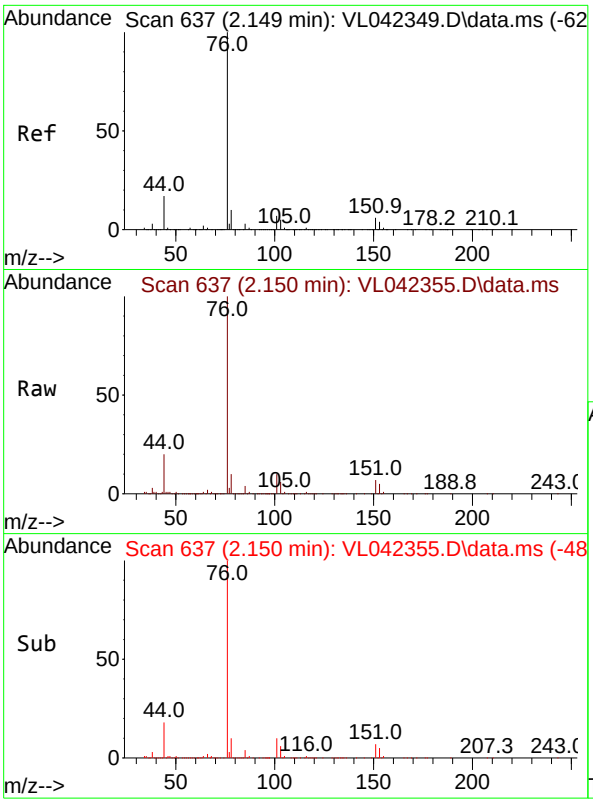


#26
Hexane
Concen: 13.765 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 57 Resp: 260975

Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.9	116.9
43	254.5	208.4	312.6
56	53.2	43.1	64.7



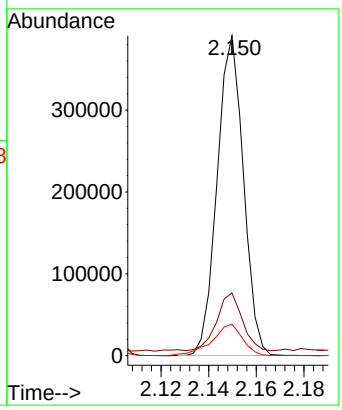


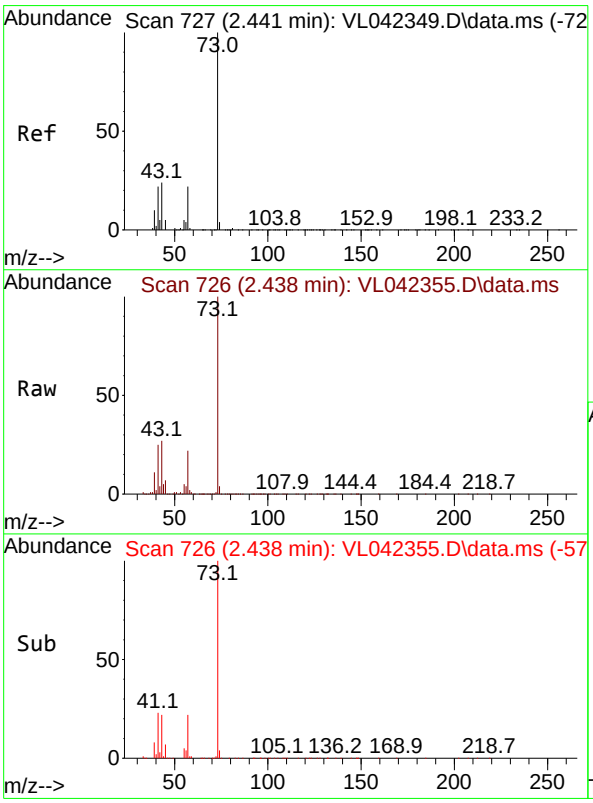
#27
Carbon Disulfide
Concen: 14.734 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 299098

Ion	Ratio	Lower	Upper
76	100		
44	17.3	15.5	23.3
78	11.4	9.3	13.9

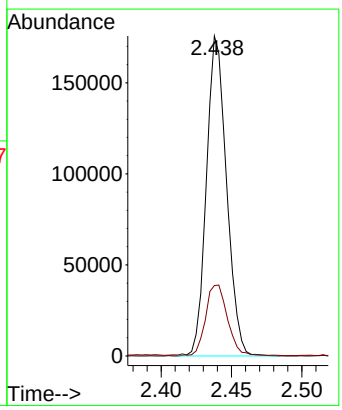


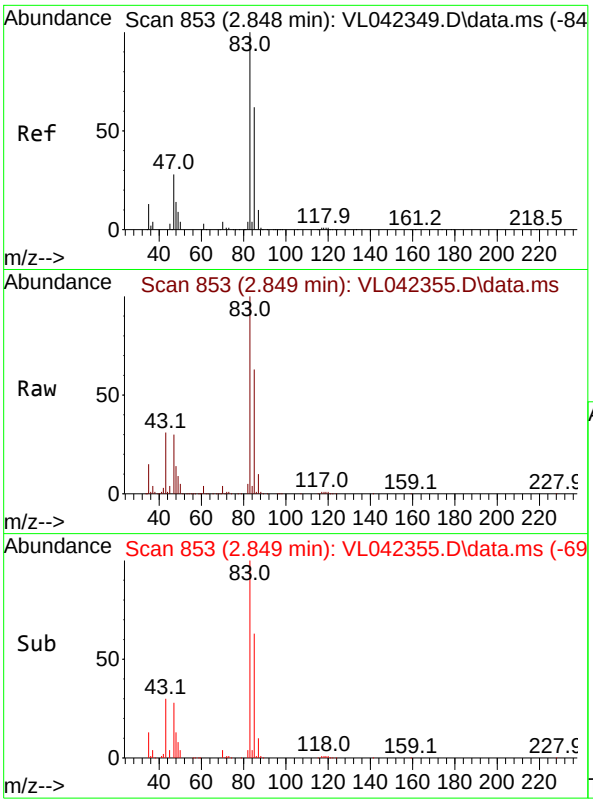


#28
Methyl tert-Butyl Ether
Concen: 14.076 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 73 Resp: 174855

Ion	Ratio	Lower	Upper
73	100		
57	24.3	21.3	31.9



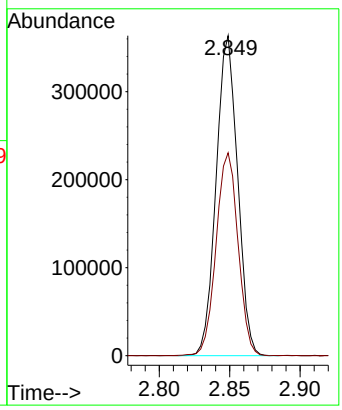


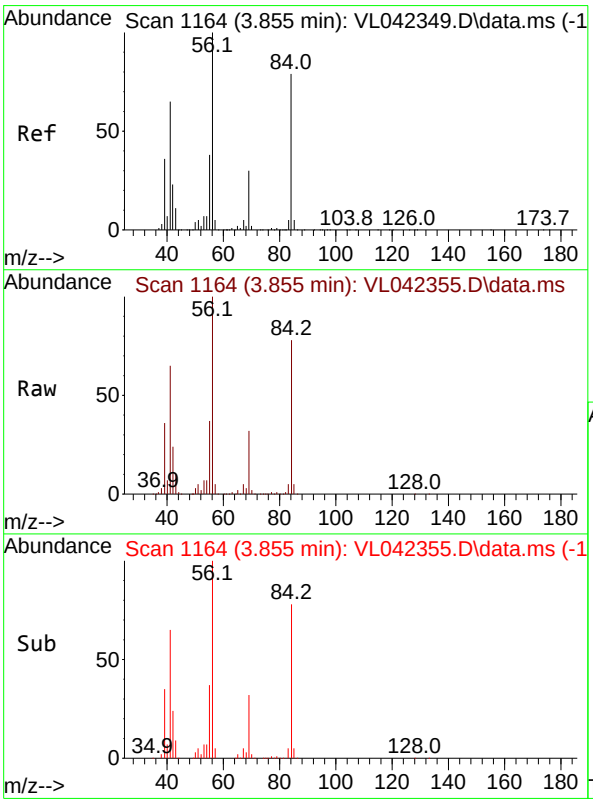
#29
Chloroform
Concen: 14.393 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 385686

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.0	75.0

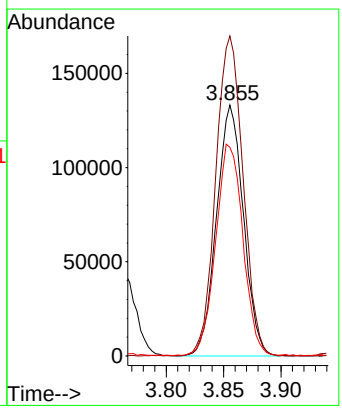


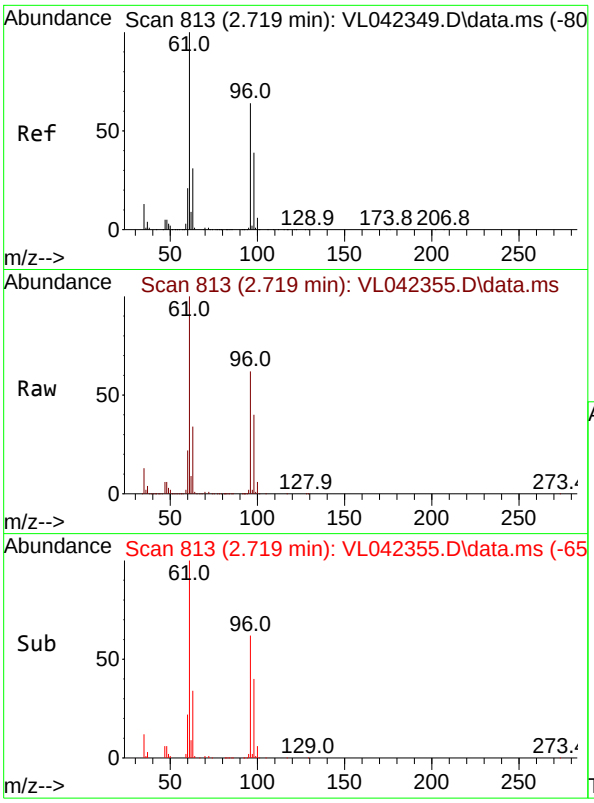


#30
Cyclohexane
Concen: 14.238 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 84 Resp: 217375

Ion	Ratio	Lower	Upper
84	100		
56	129.4	101.0	151.4
41	85.3	67.4	101.0



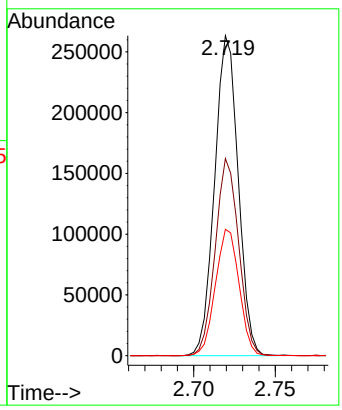


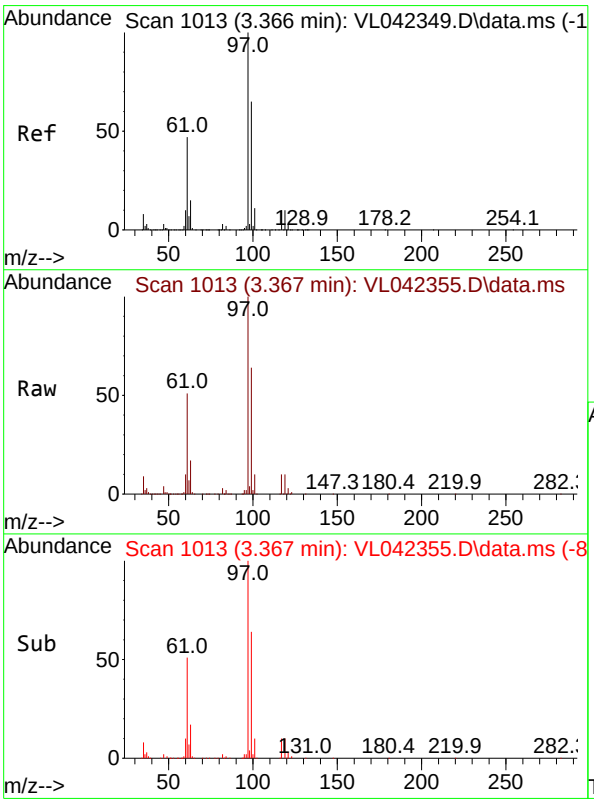
#31
cis-1,2-Dichloroethene
Concen: 14.700 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 264972

Ion	Ratio	Lower	Upper
61	100		
96	61.6	50.8	76.2
98	39.5	30.9	46.3

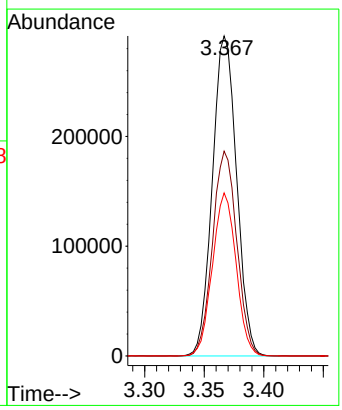


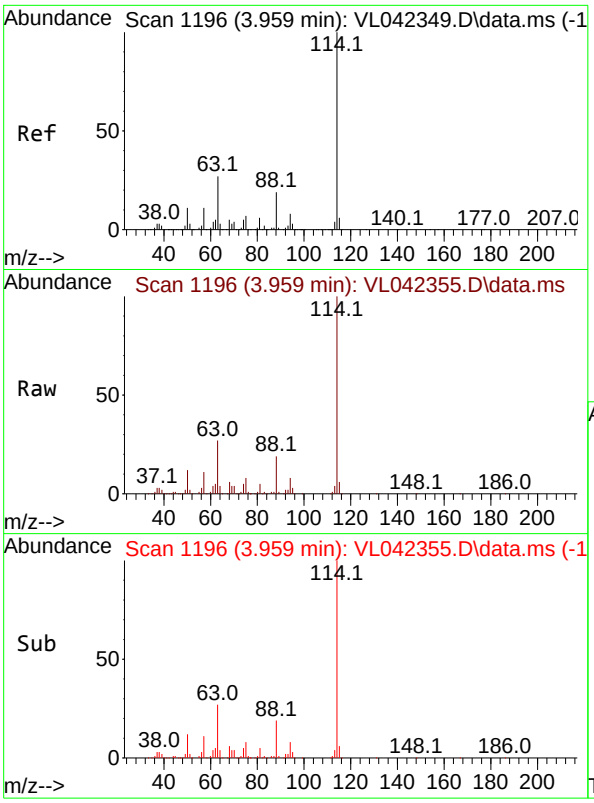


#32
1,1,1-Trichloroethane
Concen: 14.357 ppbv
RT: 3.367 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 97 Resp: 412537

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	49.8	38.8	58.2



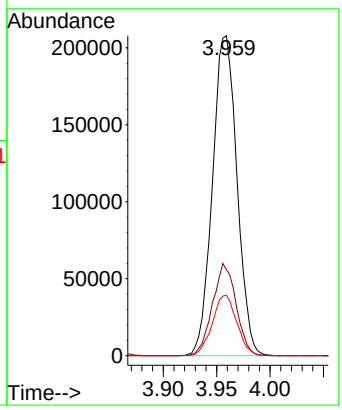


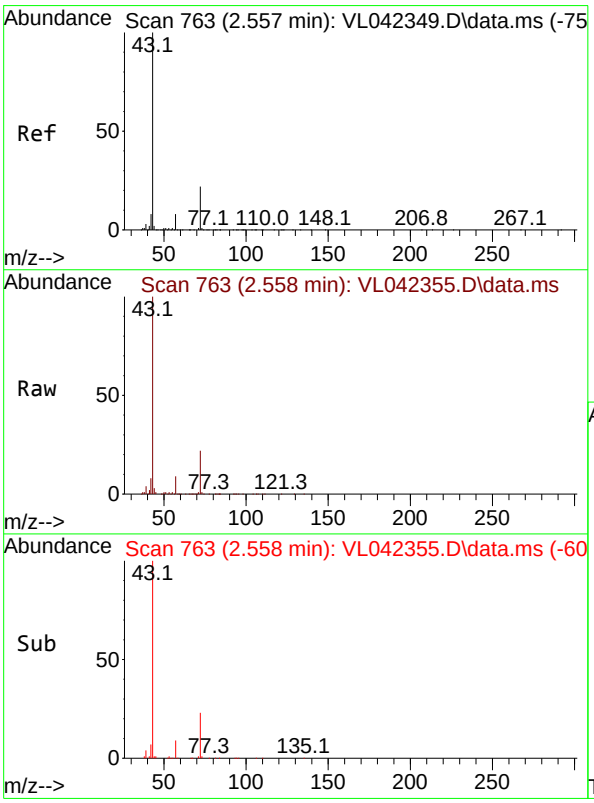
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 332080

Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.8	32.6
88	18.9	15.5	23.3

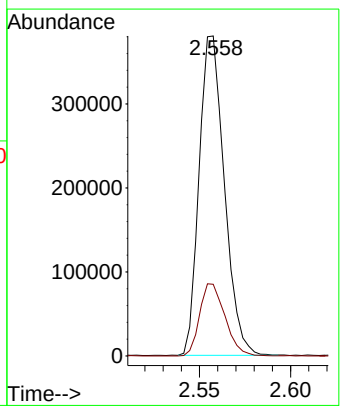


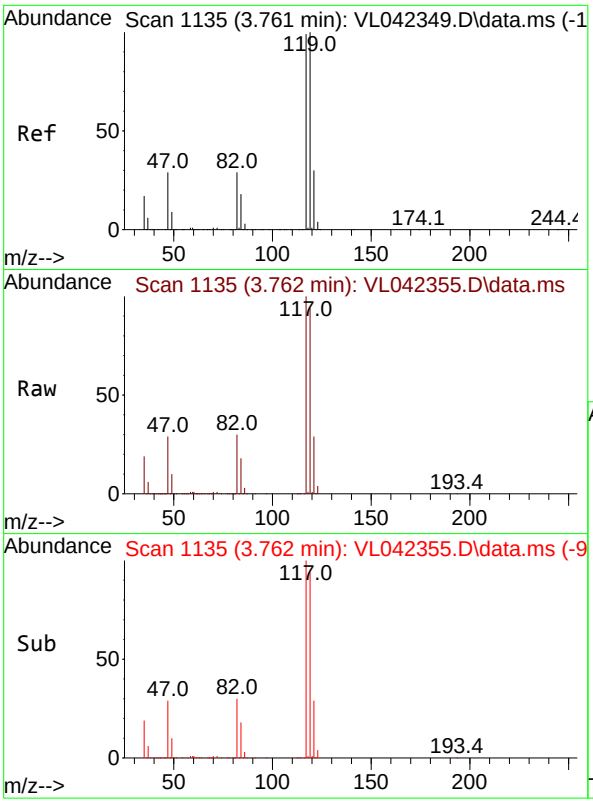


#34
2-Butanone
Concen: 13.986 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 367315

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2



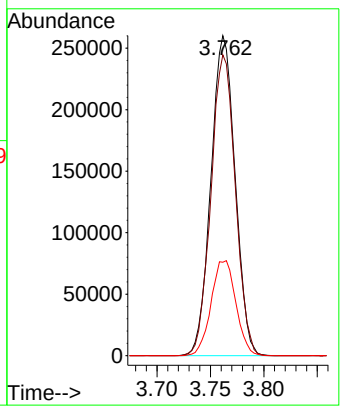


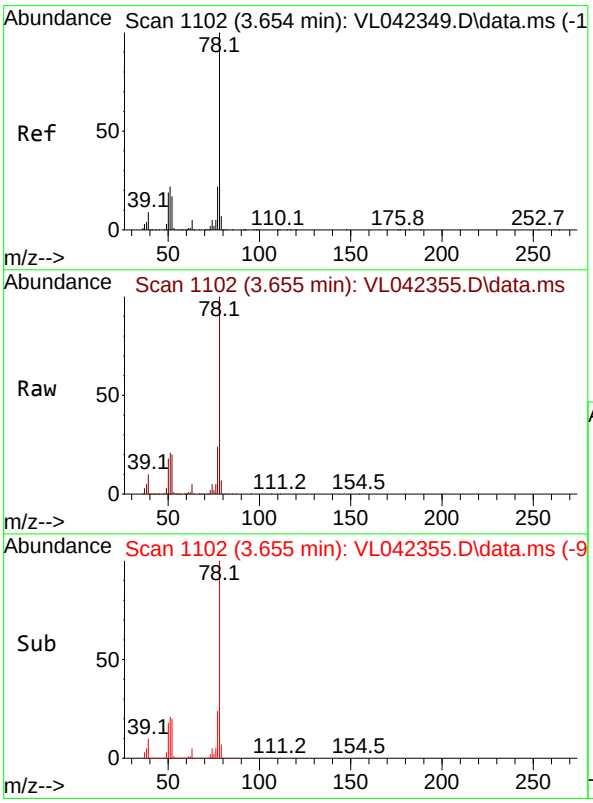
#35
Carbon Tetrachloride
Concen: 13.639 ppbv
RT: 3.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 409916

Ion	Ratio	Lower	Upper
117	100		
119	94.0	80.5	120.7
121	29.2	24.2	36.2

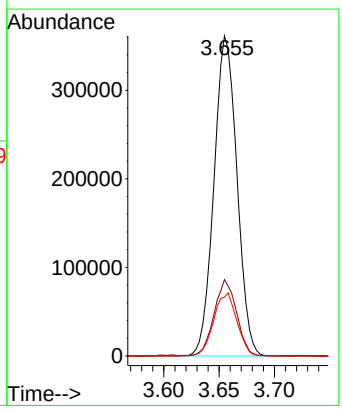


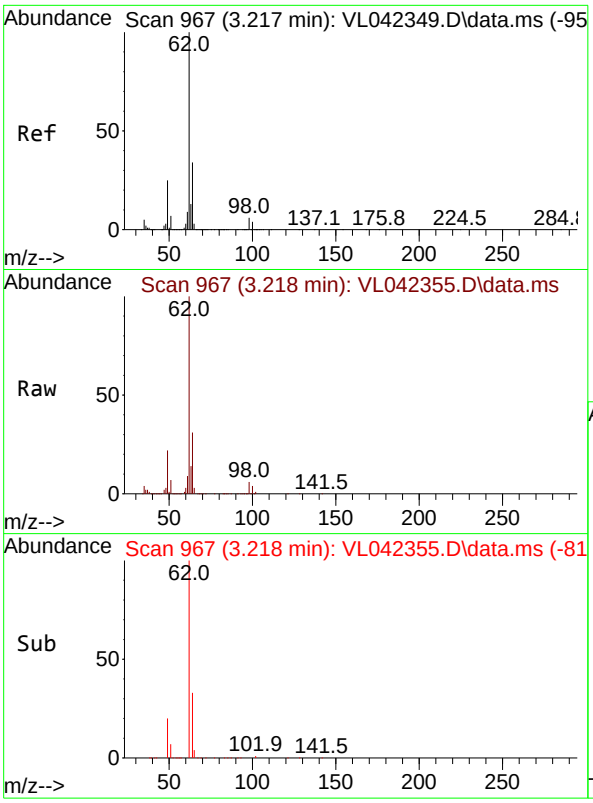


#36
Benzene
Concen: 14.578 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 78 Resp: 522156

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.4	26.0
50	18.3	15.5	23.3



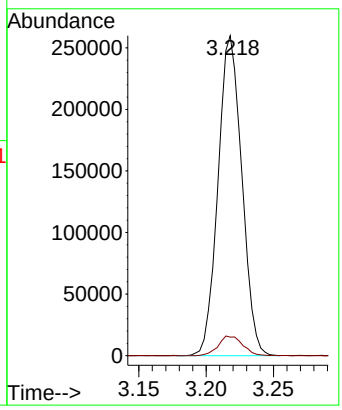


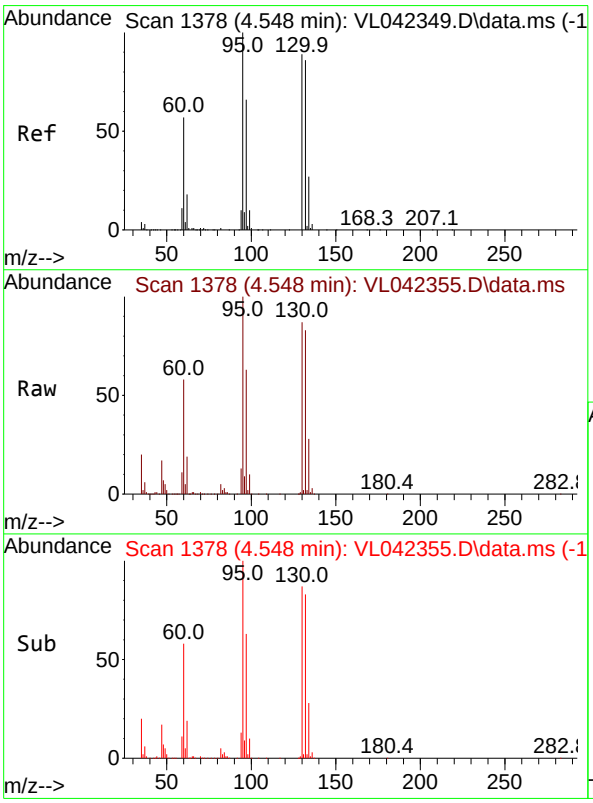
#37
1,2-Dichloroethane
Concen: 14.863 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 319517

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.1	7.7

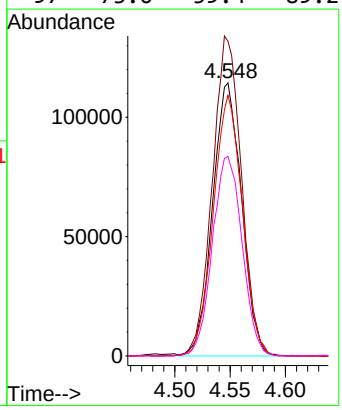


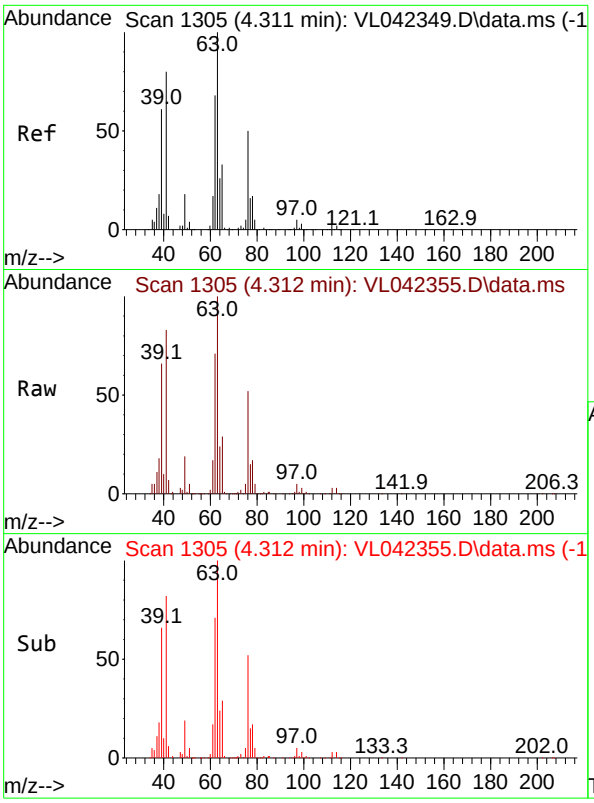


#38
Trichloroethene
Concen: 13.278 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:130 Resp: 208508

Ion	Ratio	Lower	Upper
130	100		
95	115.0	89.8	134.6
132	95.3	77.7	116.5
97	73.0	59.4	89.2



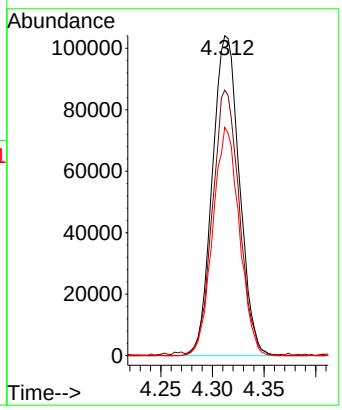


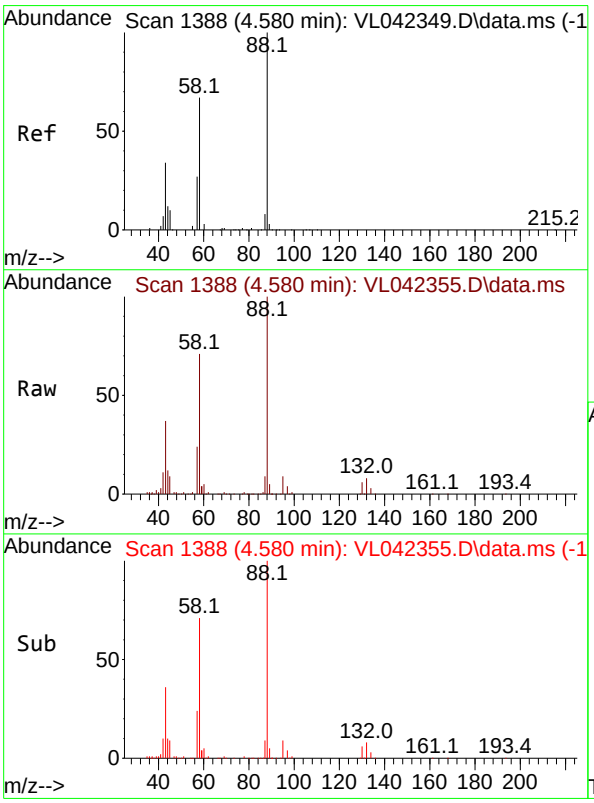
#39
1,2-Dichloropropane
Concen: 14.201 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 189697

Ion	Ratio	Lower	Upper
63	100		
41	82.7	64.2	96.2
62	71.4	54.3	81.5

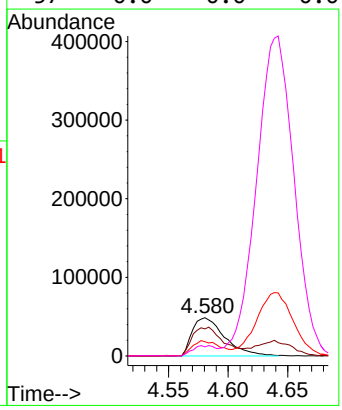


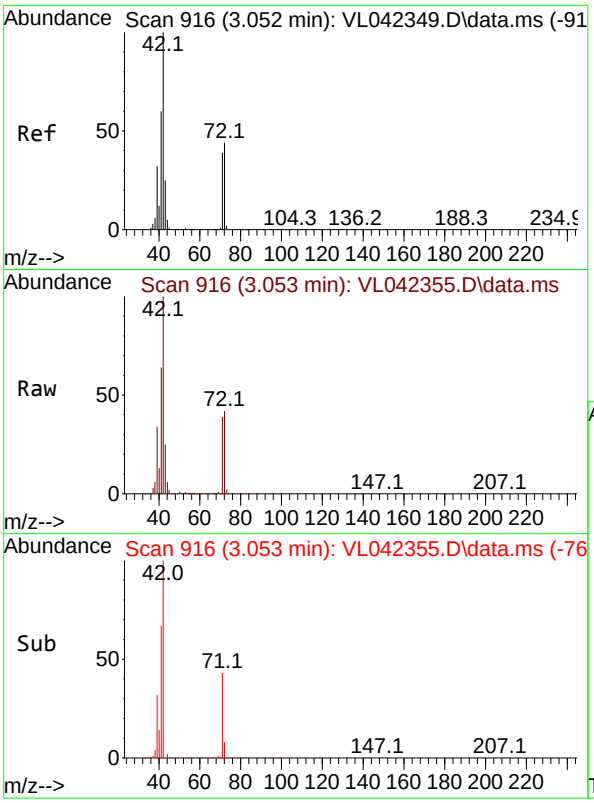


#40
1,4-Dioxane
Concen: 12.733 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 88 Resp: 92114

Ion	Ratio	Lower	Upper
88	100		
58	75.2	61.4	92.0
43	36.8	23.2	34.8#
57	0.0	0.0	0.0



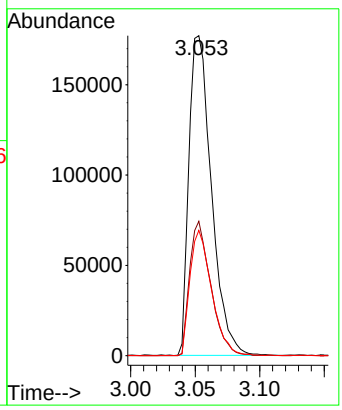


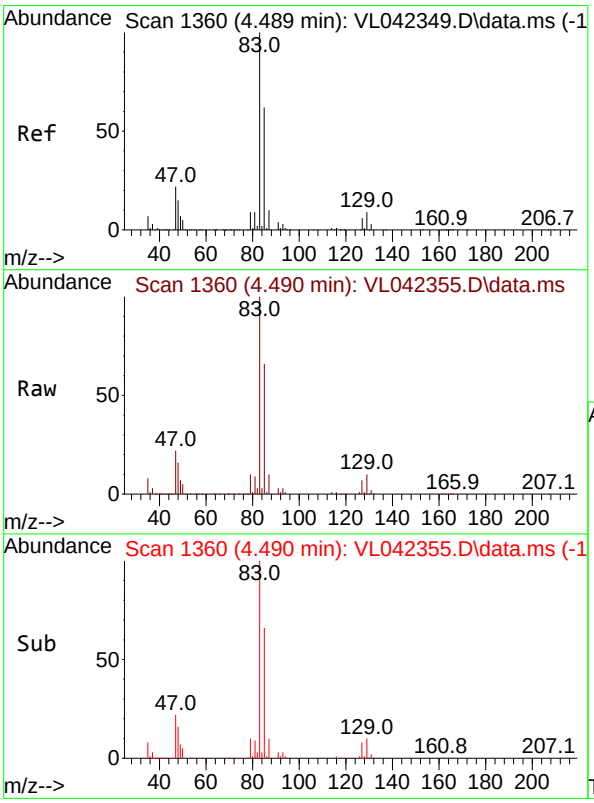
#41
Tetrahydrofuran
Concen: 14.166 ppbv
RT: 3.053 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 214949

Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.3	48.5
71	37.9	31.4	47.2

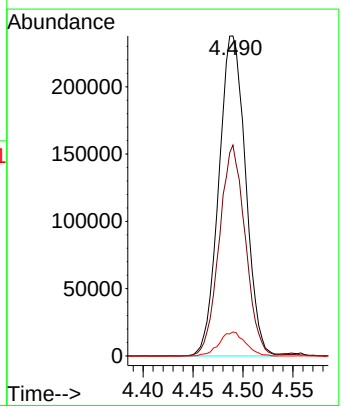


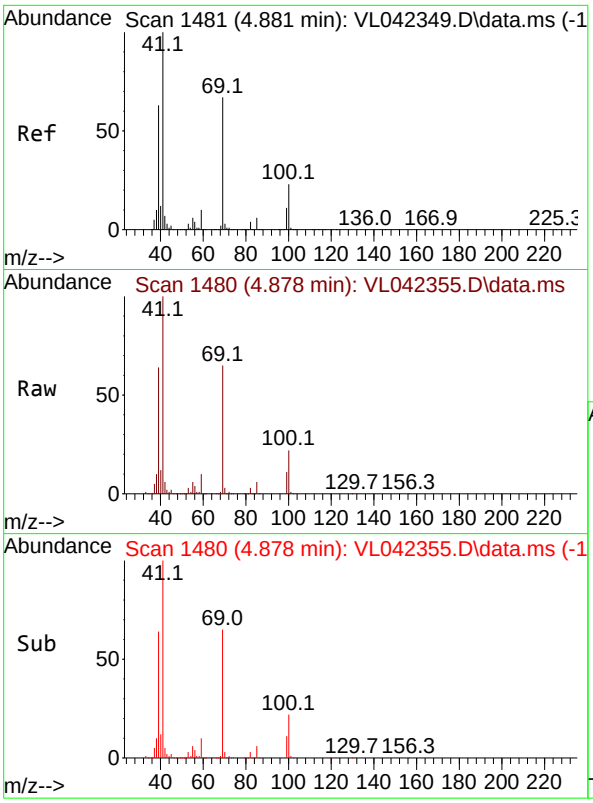


#42
Bromodichloromethane
Concen: 14.798 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 83 Resp: 442735

Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.7	74.5
127	7.5	5.1	7.7



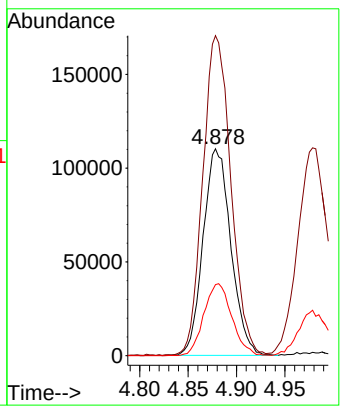


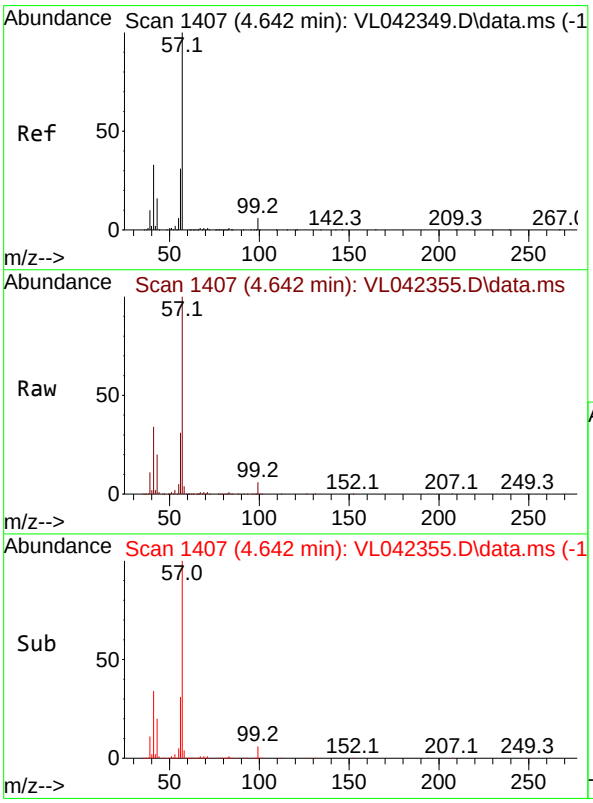
#43
Methyl Methacrylate
Concen: 13.670 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 219757

Ion	Ratio	Lower	Upper
69	100		
41	156.6	118.6	177.8
100	35.2	28.2	42.2

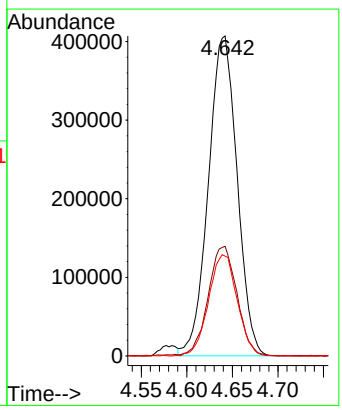


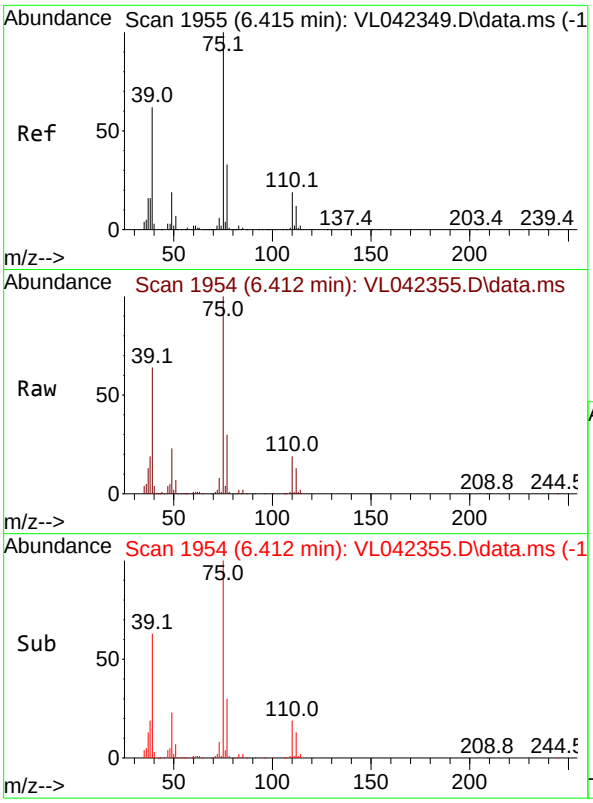


#44
2,2,4-Trimethylpentane
Concen: 14.425 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 57 Resp: 893529

Ion	Ratio	Lower	Upper
57	100		
41	34.4	27.2	40.8
56	31.6	25.7	38.5



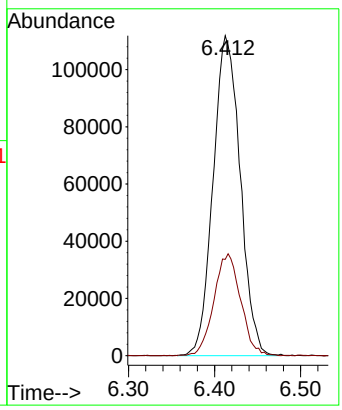


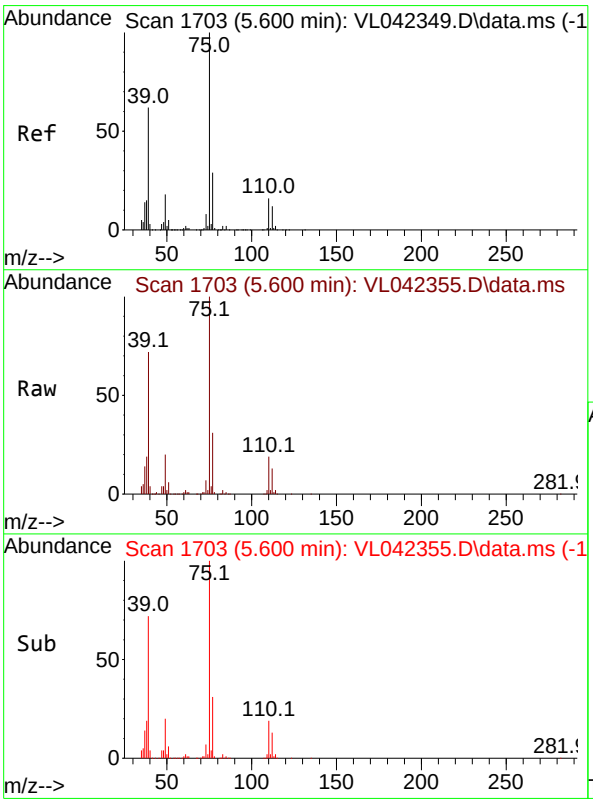
#45
t-1,3-Dichloropropene
Concen: 14.810 ppbv
RT: 6.412 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 244470

Ion	Ratio	Lower	Upper
75	100		
77	30.1	27.0	40.6

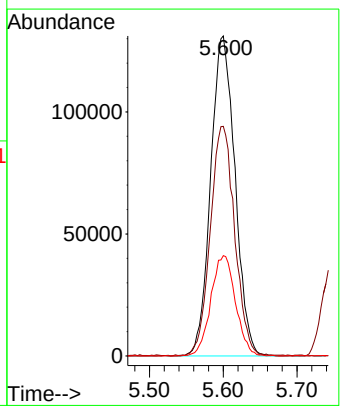


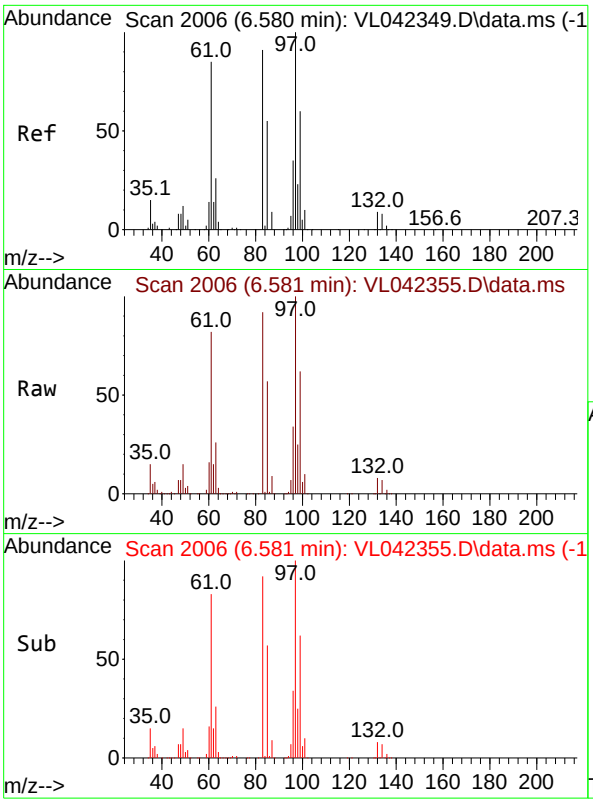


#46
cis-1,3-Dichloropropene
Concen: 14.878 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 75 Resp: 300145

Ion	Ratio	Lower	Upper
75	100		
39	71.6	50.0	75.0
77	31.3	23.0	34.6



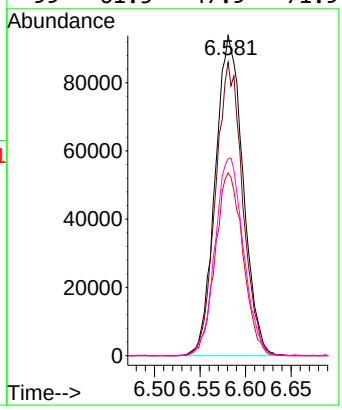


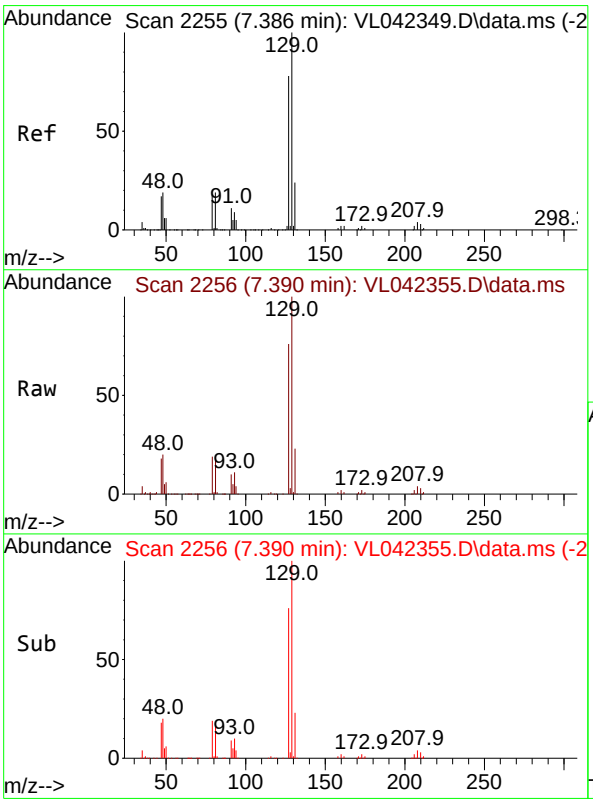
#47
1,1,2-Trichloroethane
Concen: 14.615 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 198874

Ion	Ratio	Lower	Upper
97	100		
83	91.7	72.8	109.2
85	57.0	44.2	66.4
99	61.5	47.9	71.9

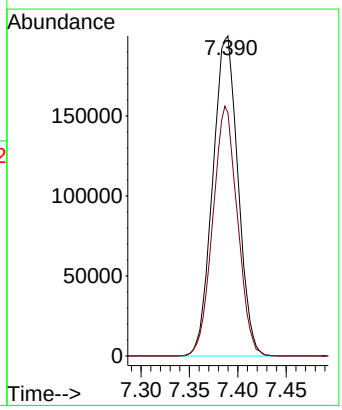


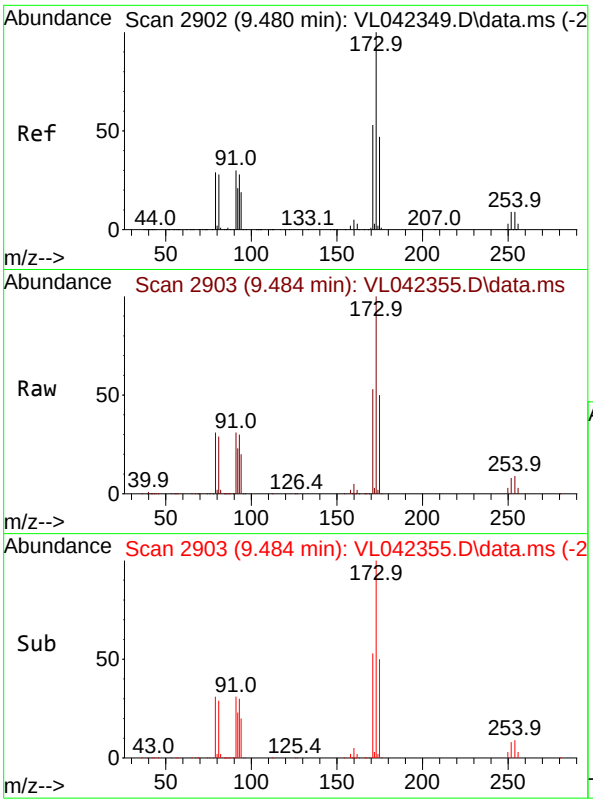


#48
Dibromochloromethane
Concen: 15.105 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:129 Resp: 362887

Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.1	117.3



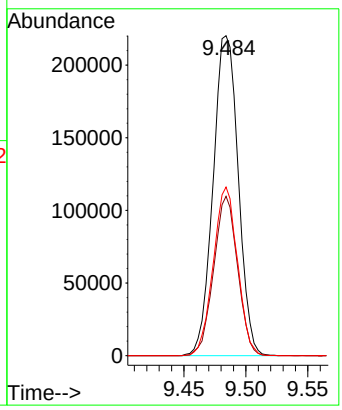


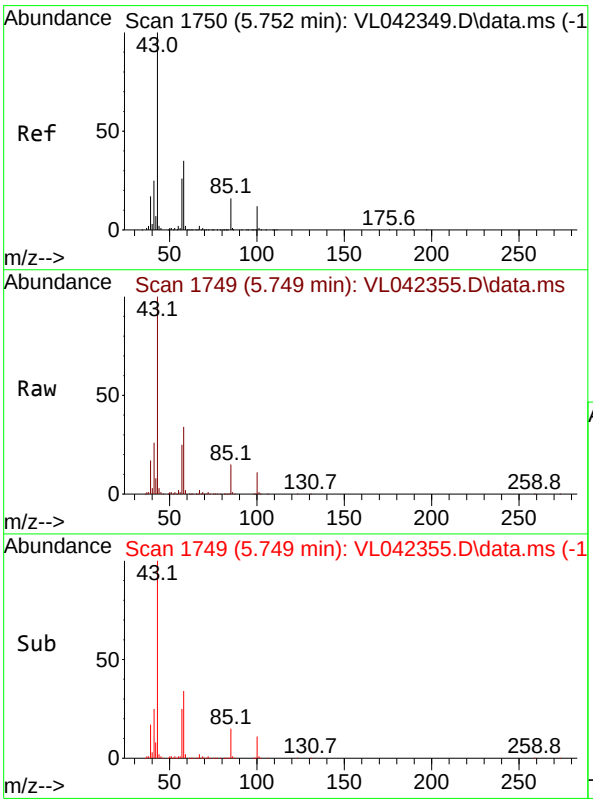
#49
Bromoform
Concen: 14.865 ppbv
RT: 9.484 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 312282

Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.2	57.2
171	50.6	40.9	61.3

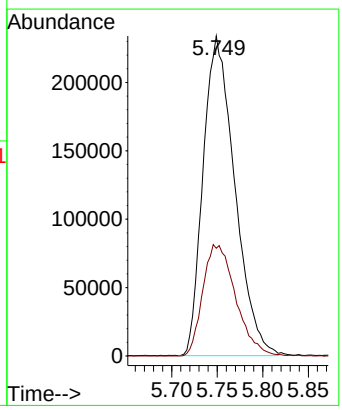


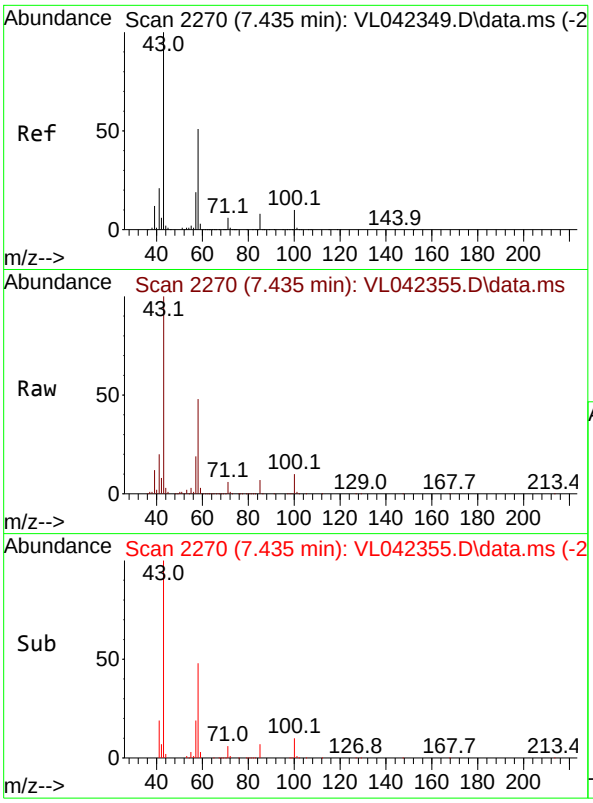


#50
4-Methyl-2-Pentanone
Concen: 12.889 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 43 Resp: 563658

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.6	43.0



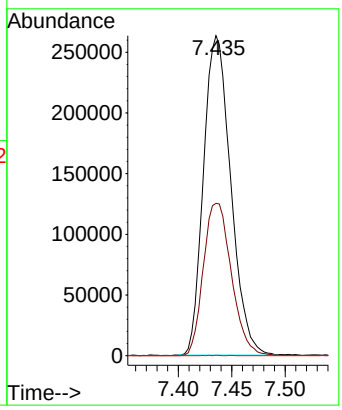


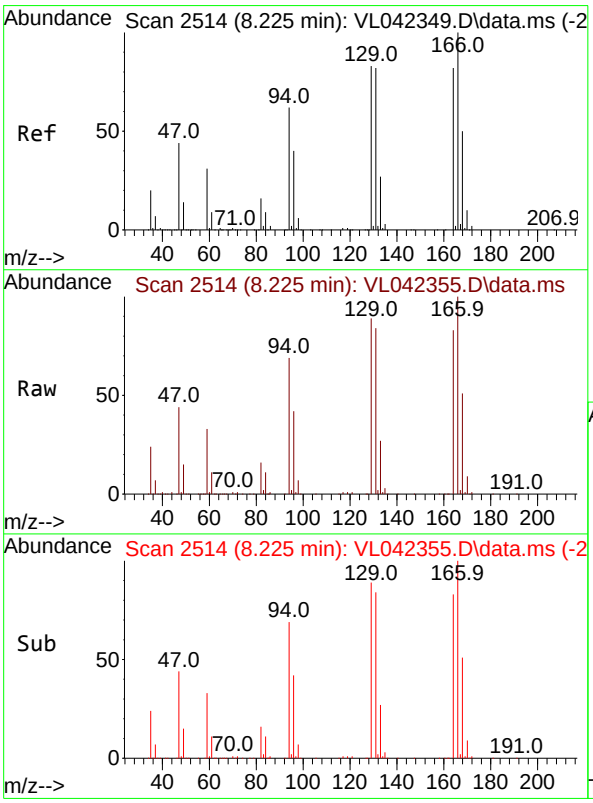
#51
2-Hexanone
Concen: 11.834 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 467001

Ion	Ratio	Lower	Upper
43	100		
58	49.2	40.2	60.4
98	0.0	0.1	0.1#

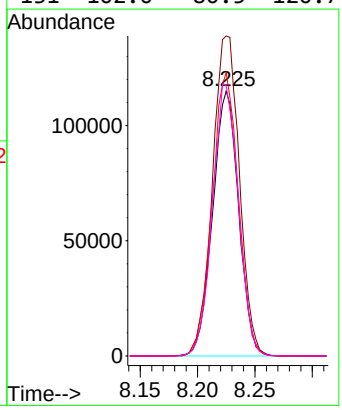


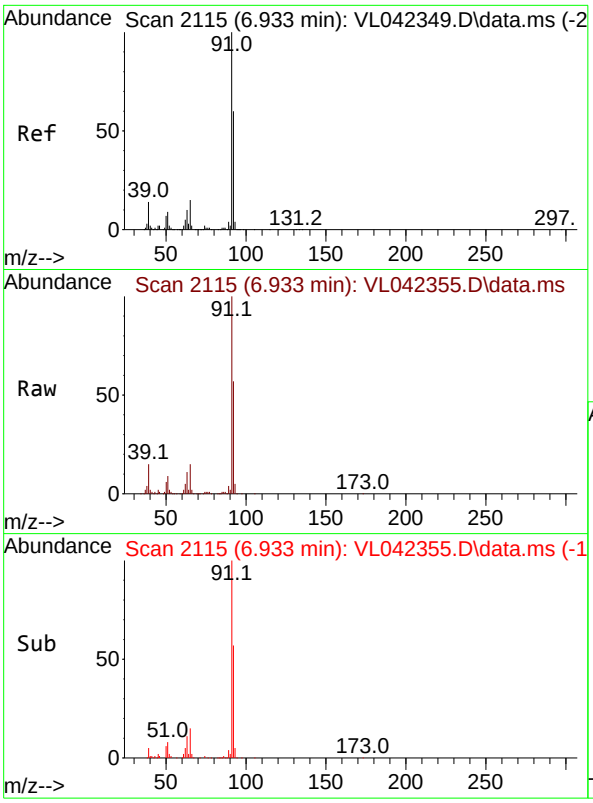


#52
Tetrachloroethene
Concen: 13.046 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:164 Resp: 180631

Ion	Ratio	Lower	Upper
164	100		
166	120.8	98.2	147.2
129	107.0	81.8	122.8
131	102.0	80.5	120.7



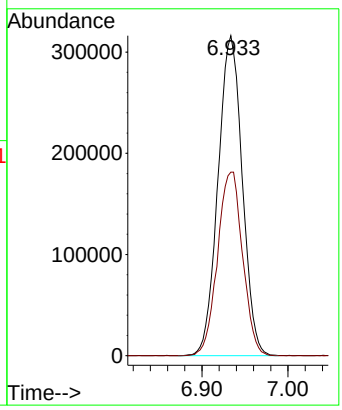


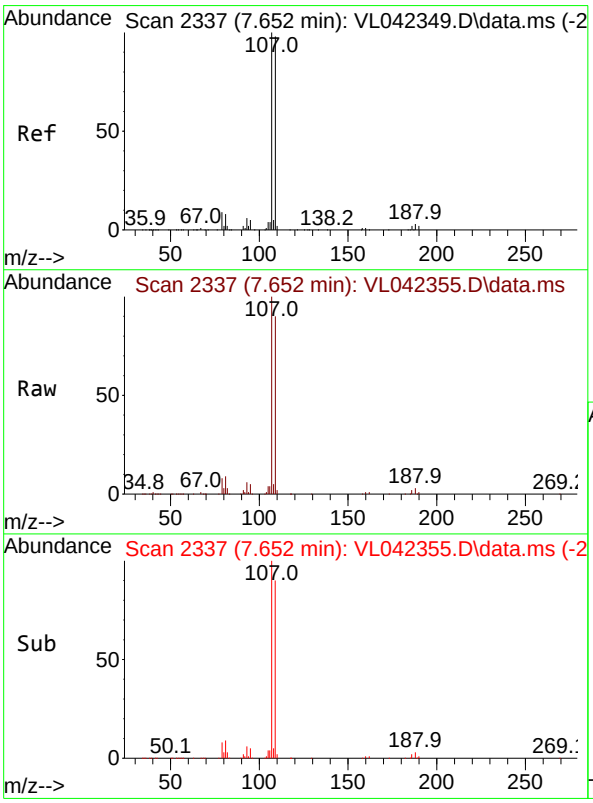
#53
Toluene
Concen: 14.411 ppbv
RT: 6.933 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 619420

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.2	72.4

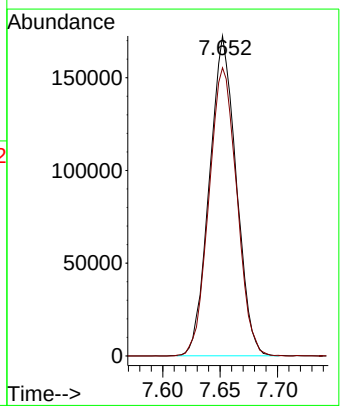


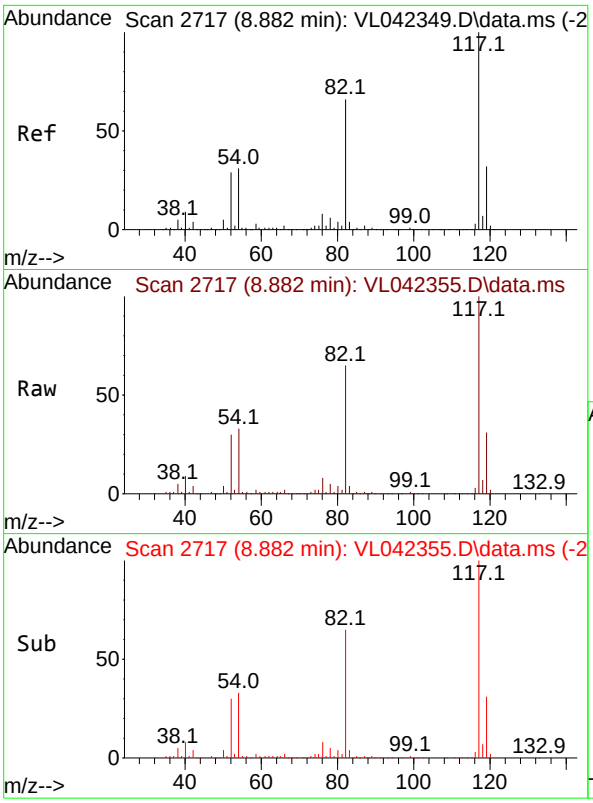


#54
1,2-Dibromoethane
Concen: 14.442 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:107 Resp: 280071

Ion	Ratio	Lower	Upper
107	100		
109	89.9	78.2	117.4



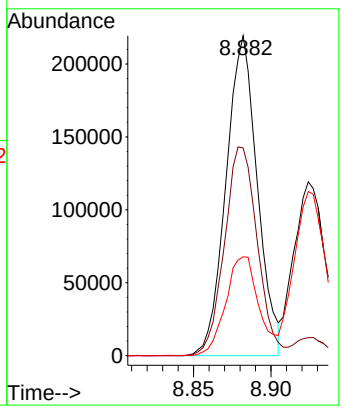


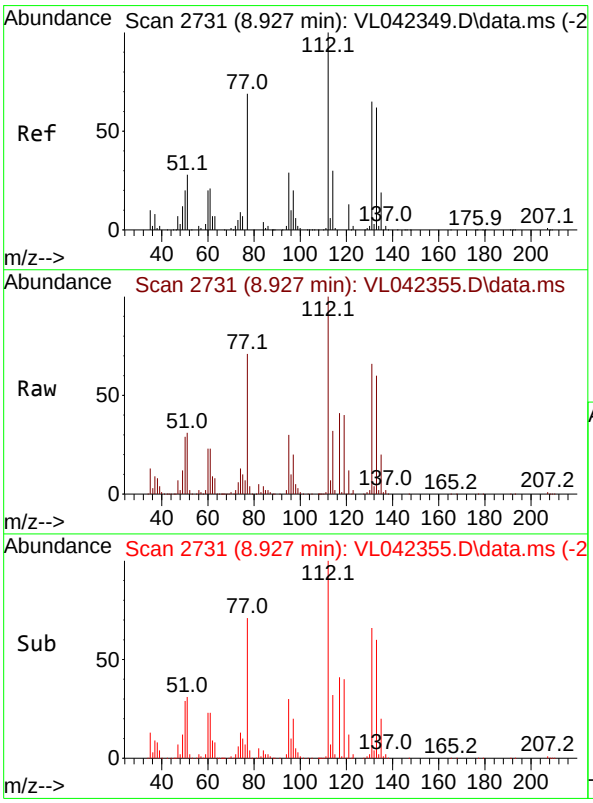
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 308463

Ion	Ratio	Lower	Upper
117	100		
82	74.2	57.8	86.6
119	31.4	25.2	37.8

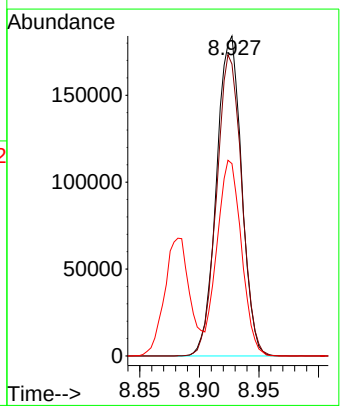


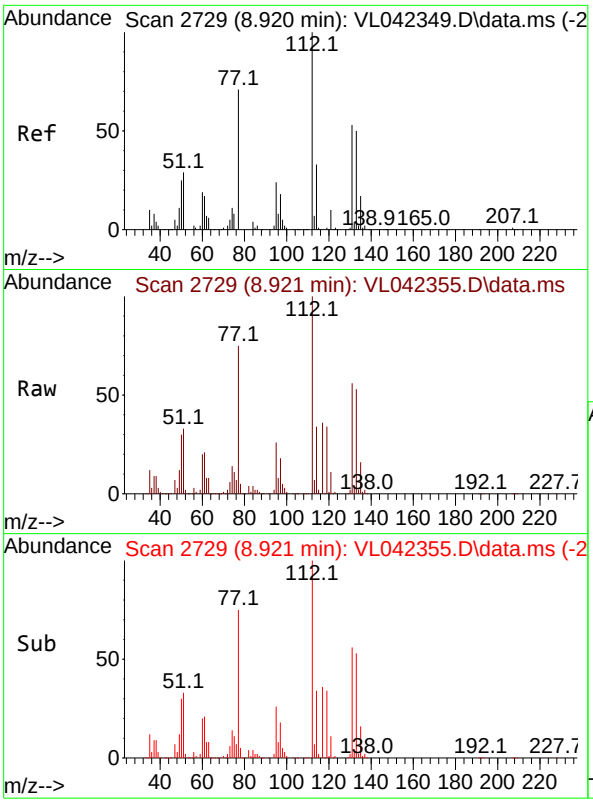


#56
1,1,1,2-Tetrachloroethane
Concen: 14.389 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:131 Resp: 268626

Ion	Ratio	Lower	Upper
131	100		
133	94.6	78.3	117.5
119	59.4	48.7	73.1



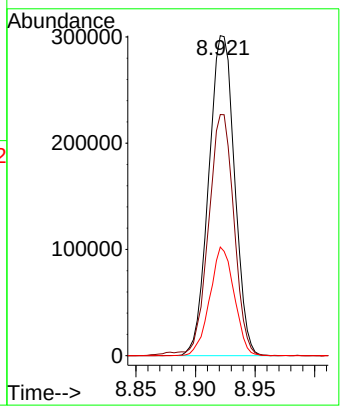


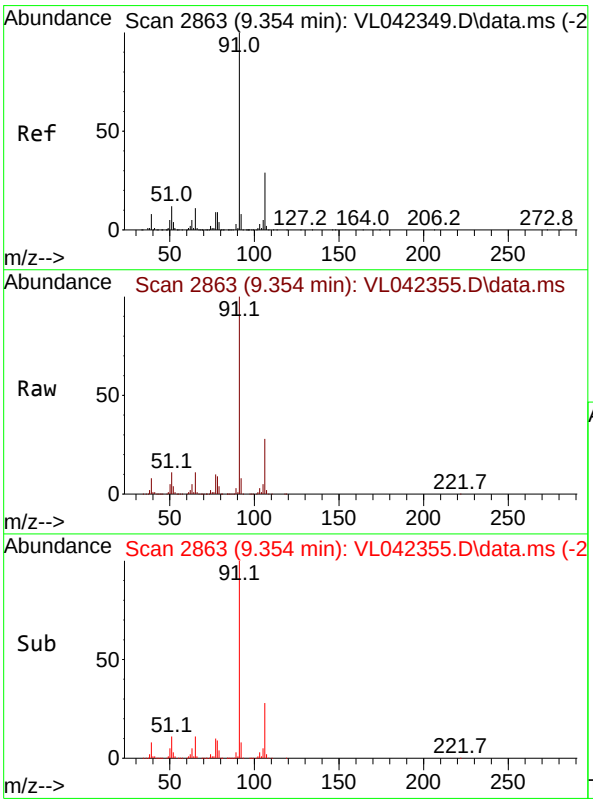
#57
Chlorobenzene
Concen: 14.151 ppbv
RT: 8.921 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 454017

Ion	Ratio	Lower	Upper
112	100		
77	75.3	57.8	86.6
114	33.9	29.3	35.9

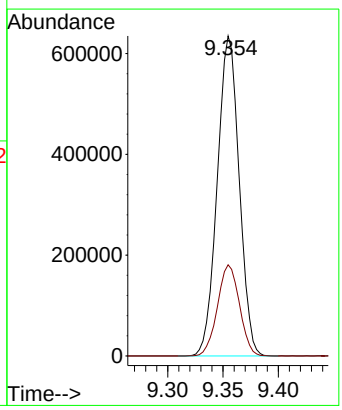


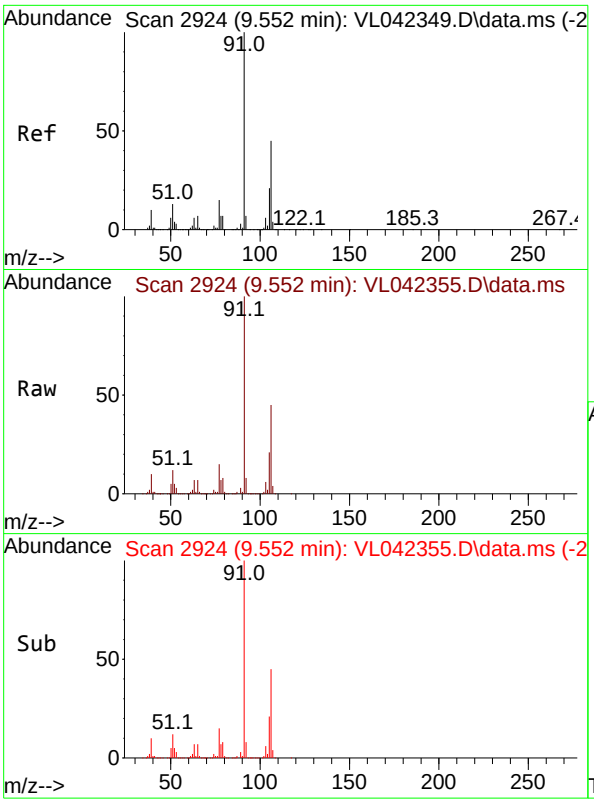


#58
Ethyl Benzene
Concen: 14.308 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 874424

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.0	34.4



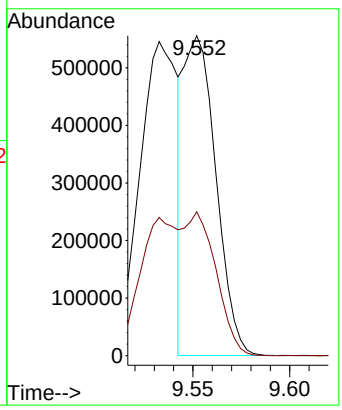


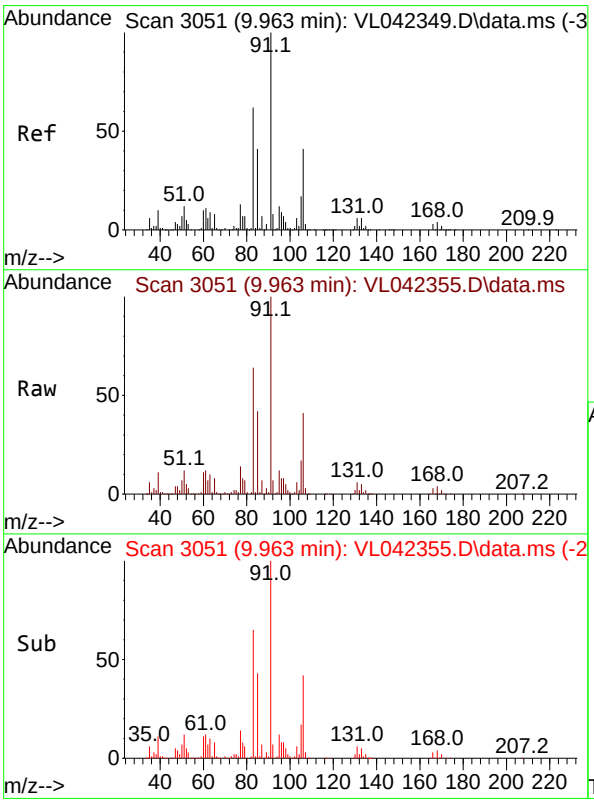
#59
m/p-Xylene
Concen: 13.067 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 645250

Ion	Ratio	Lower	Upper
91	100		
106	95.8	35.4	53.2#

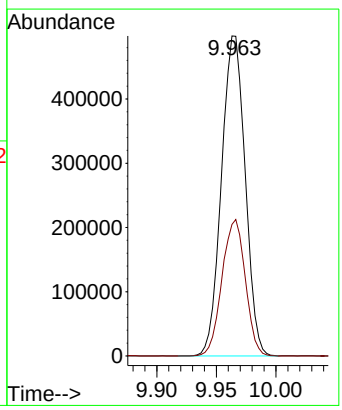


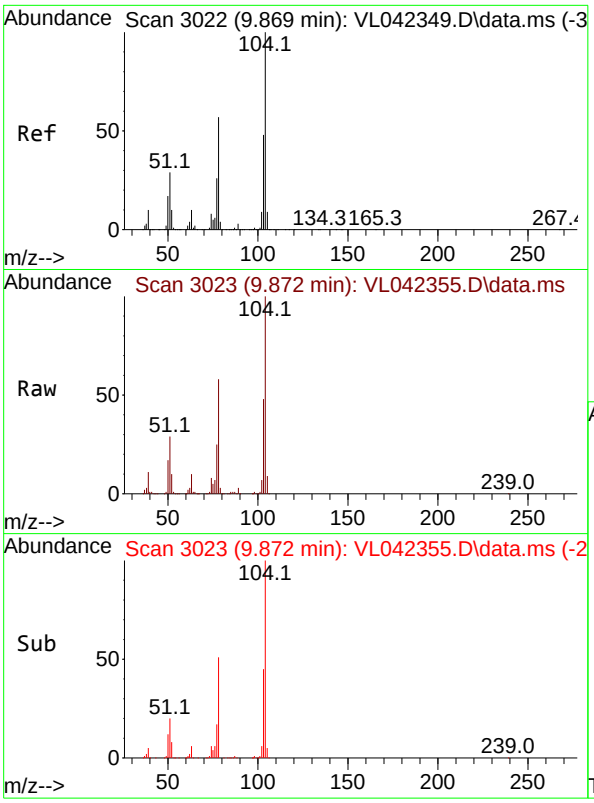


#60
o-Xylene
Concen: 13.902 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 689246

Ion	Ratio	Lower	Upper
91	100		
106	41.9	21.1	63.4



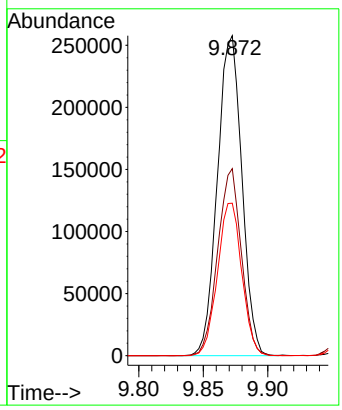


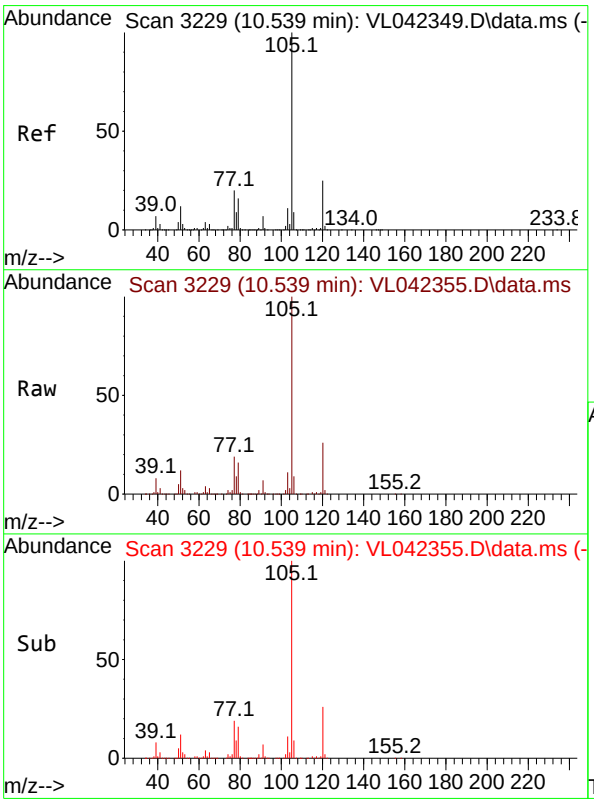
#61
Styrene
Concen: 14.347 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 339508

Ion	Ratio	Lower	Upper
104	100		
78	56.4	44.6	66.8
103	47.3	37.4	56.0

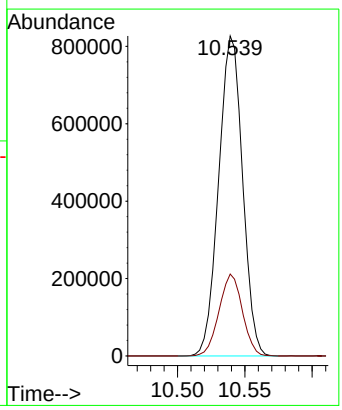


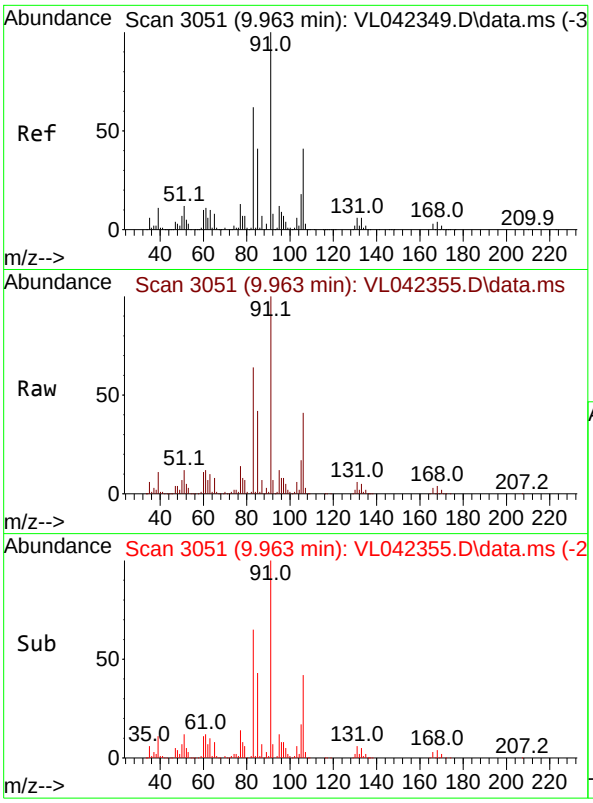


#62
Isopropylbenzene
Concen: 13.999 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 1018968

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8



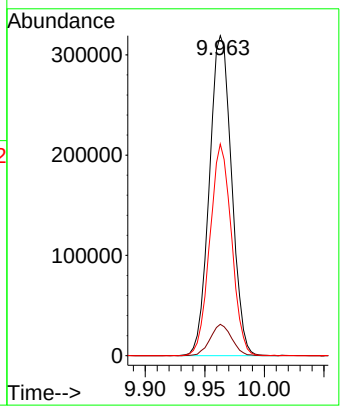


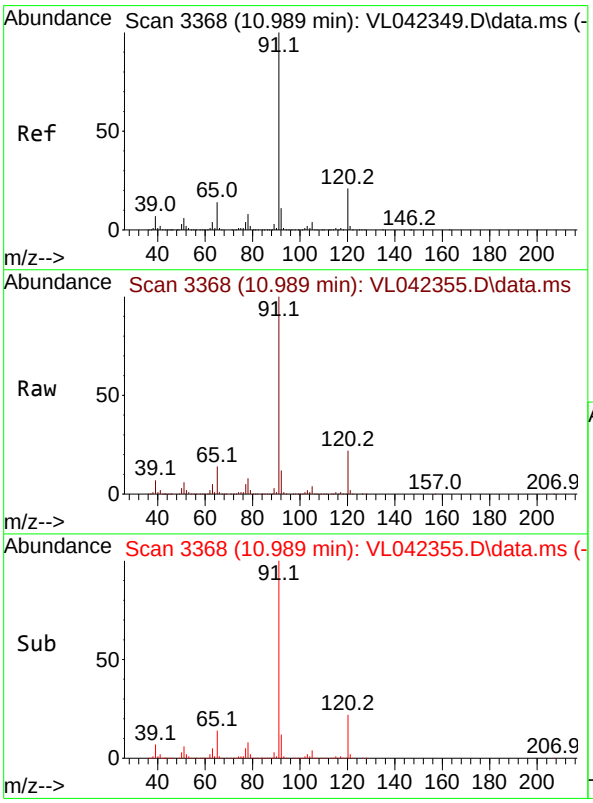
#63
1,1,2,2-Tetrachloroethane
Concen: 12.816 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 412898

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.7
85	64.5	32.4	97.0

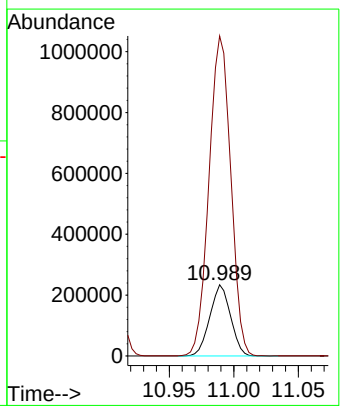


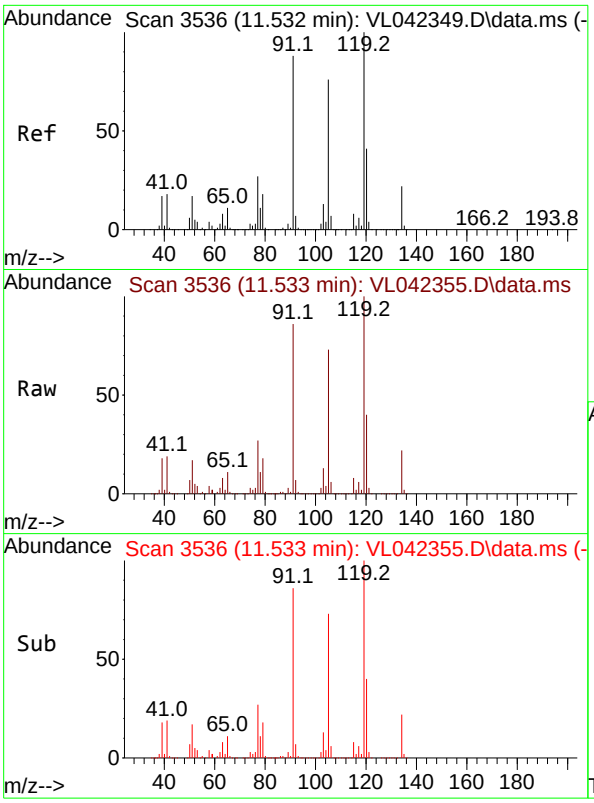


#64
n-propylbenzene
Concen: 14.255 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:120 Resp: 260812

Ion	Ratio	Lower	Upper
120	100		
91	473.2	392.4	588.6



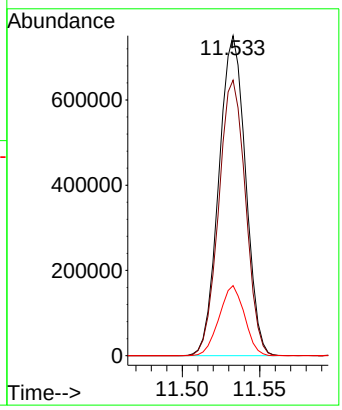


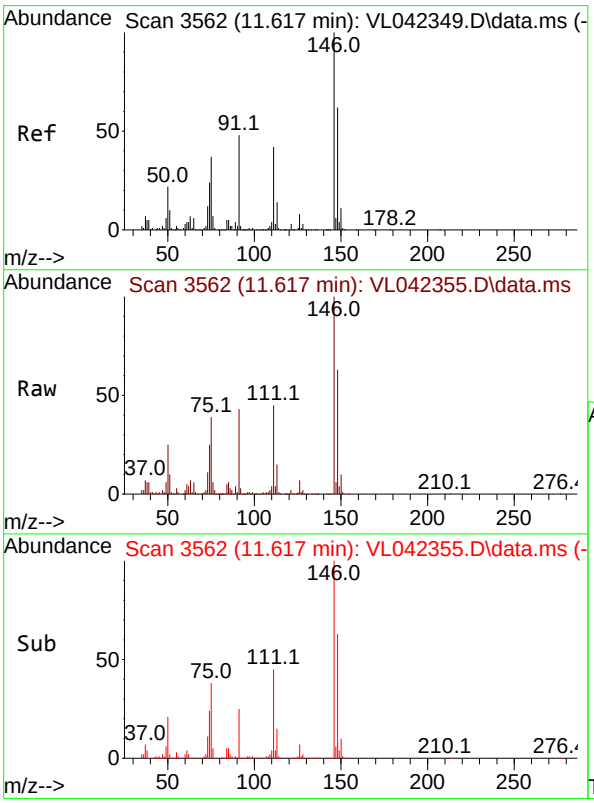
#65
tert-Butylbenzene
Concen: 13.449 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 899720

Ion	Ratio	Lower	Upper
119	100		
91	86.2	74.6	111.8
134	20.8	18.8	28.2

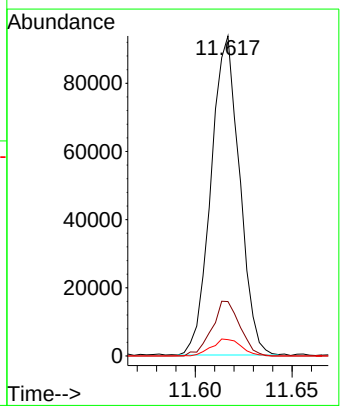


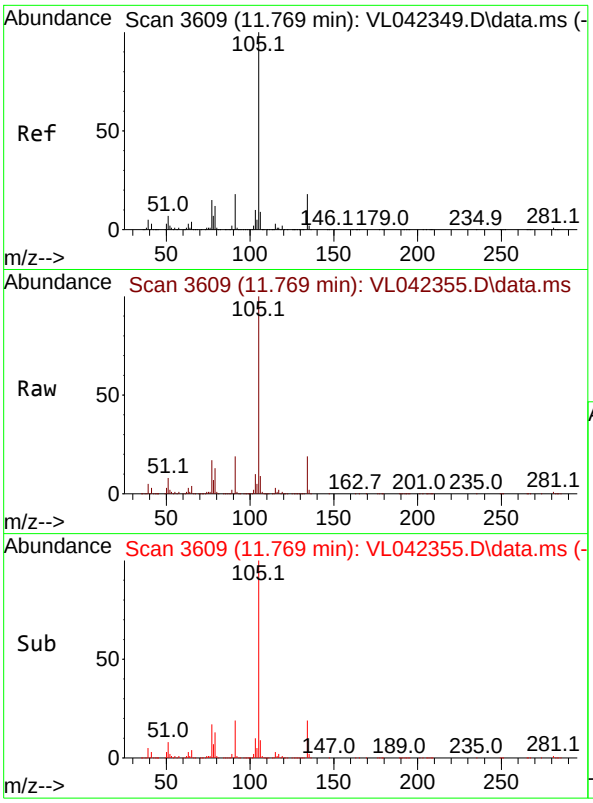


#66
Benzyl Chloride
Concen: 13.061 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 96016

Ion	Ratio	Lower	Upper
91	100		
126	16.8	11.8	17.6
128	5.5	4.5	6.7



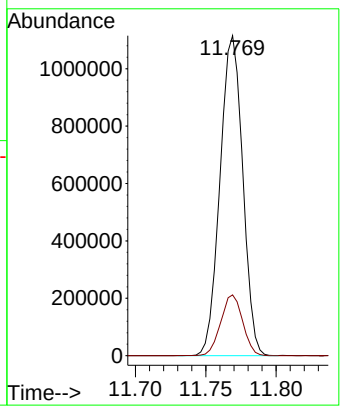


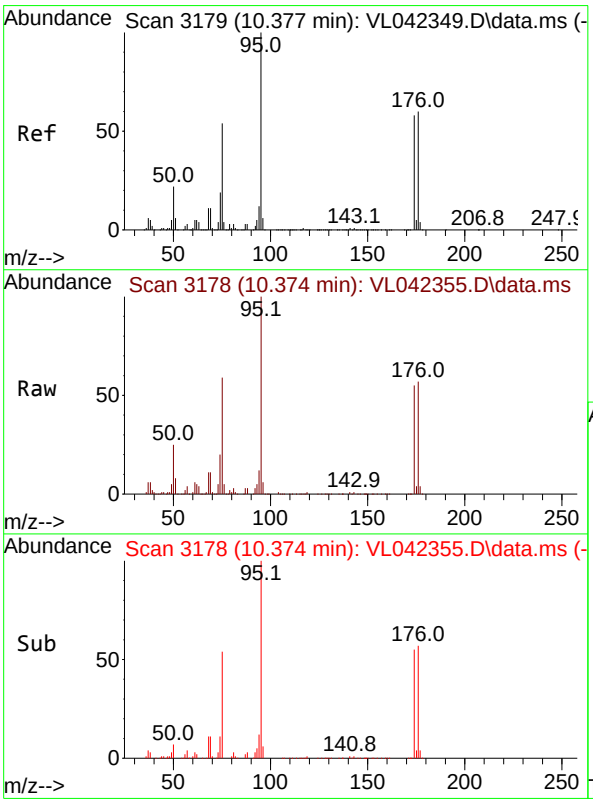
#67
sec-Butylbenzene
Concen: 13.468 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 1253263

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	21.8

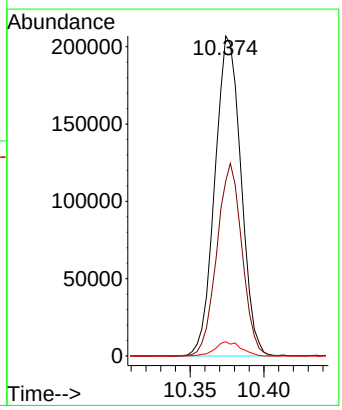


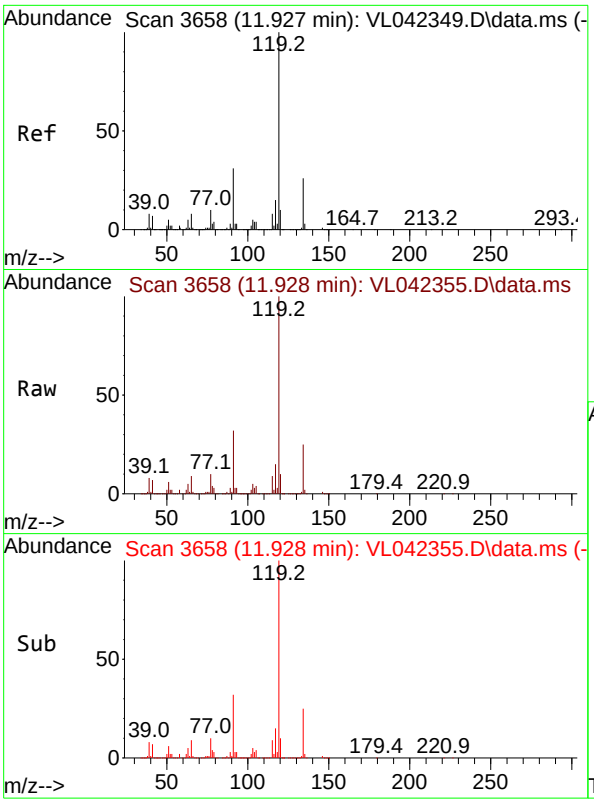


#68
1-Bromo-4-Fluorobenzene
Concen: 10.038 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 95 Resp: 254437

Ion	Ratio	Lower	Upper
95	100		
174	58.1	48.5	72.7
175	4.4	3.7	5.5



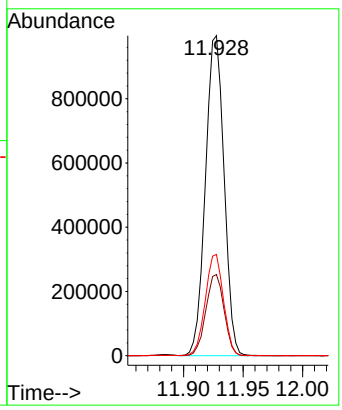


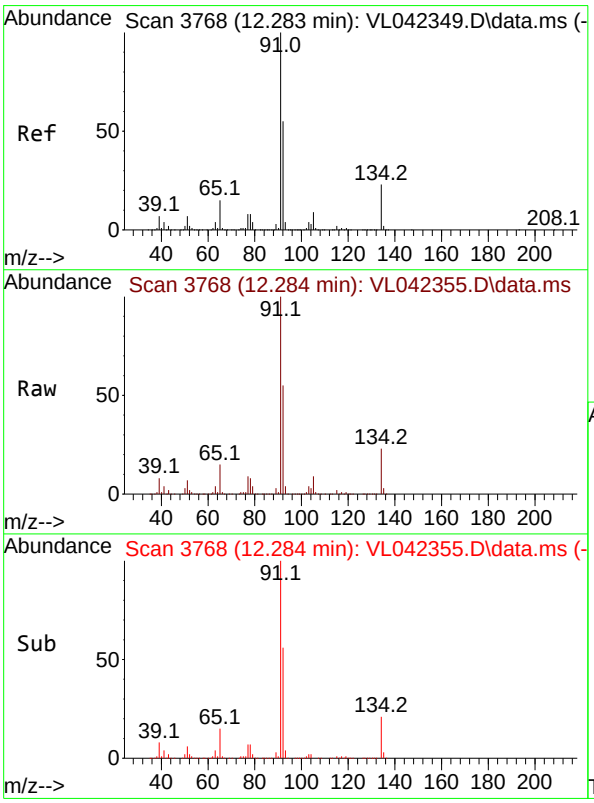
#69
p-Isopropyltoluene
Concen: 13.382 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 1081850

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.0	30.0
91	31.1	24.4	36.6

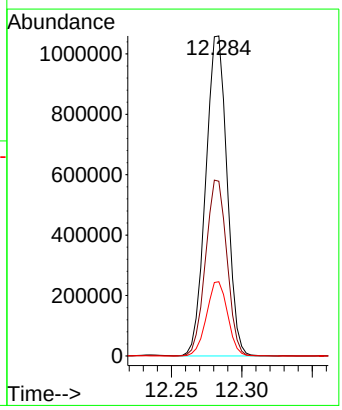


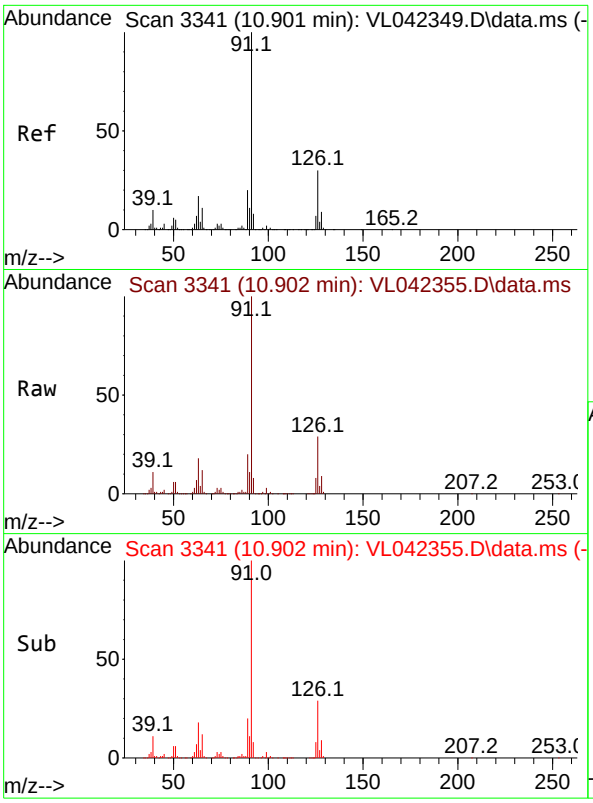


#70
n-Butylbenzene
Concen: 13.266 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion: 91 Resp: 1117042

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	23.0	18.2	27.4



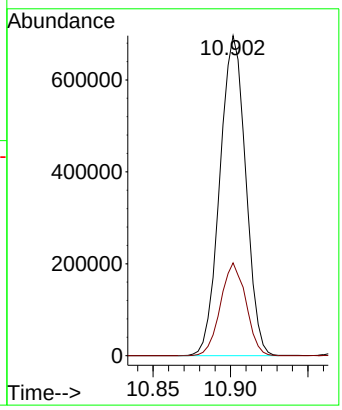


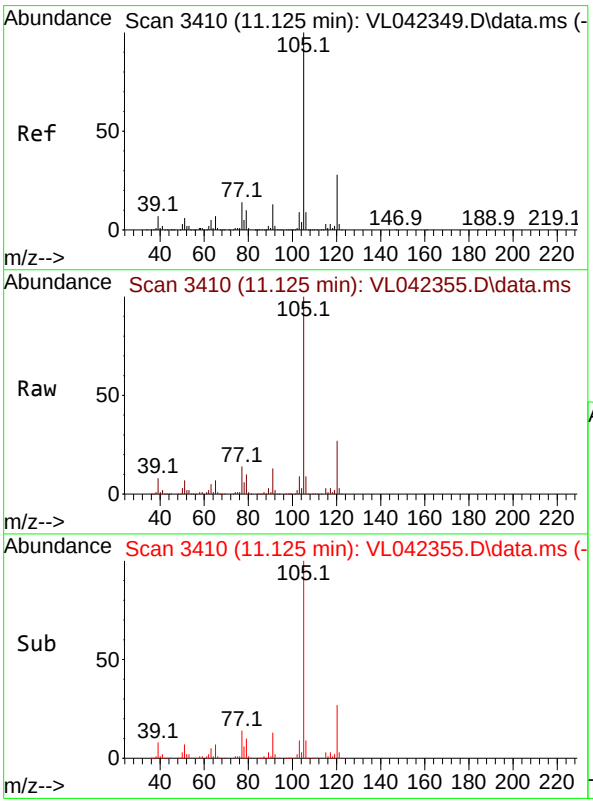
#71
2-Chlorotoluene
Concen: 14.131 ppbv
RT: 10.902 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 806728

Ion	Ratio	Lower	Upper
91	100		
126	28.4	11.4	45.4

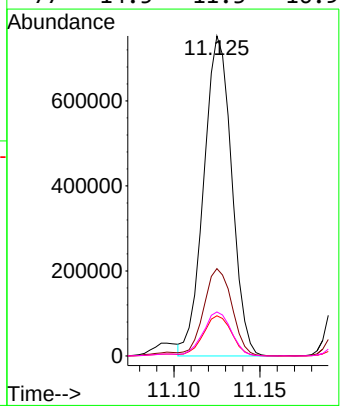


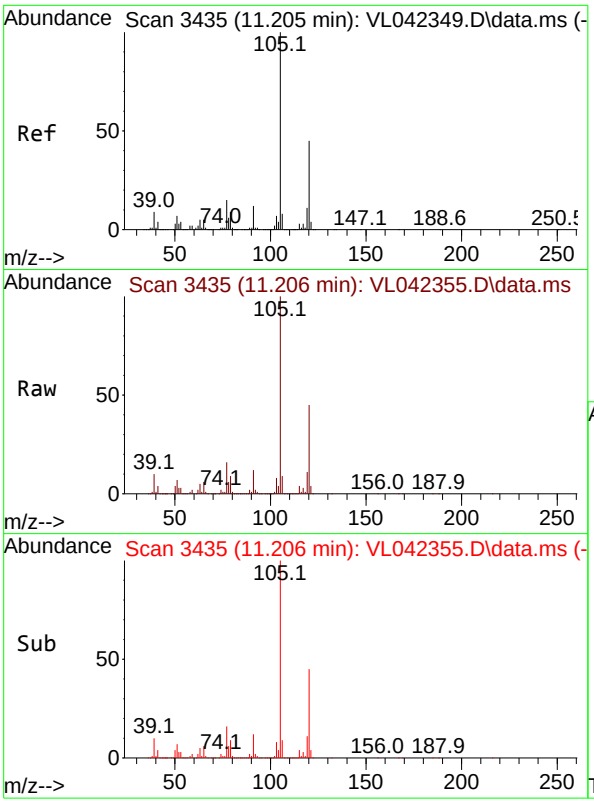


#72
4-Ethyltoluene
Concen: 13.992 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 848077

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.2	34.8
91	13.5	10.4	15.6
77	14.5	11.3	16.9



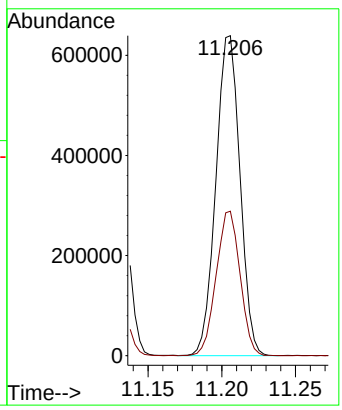


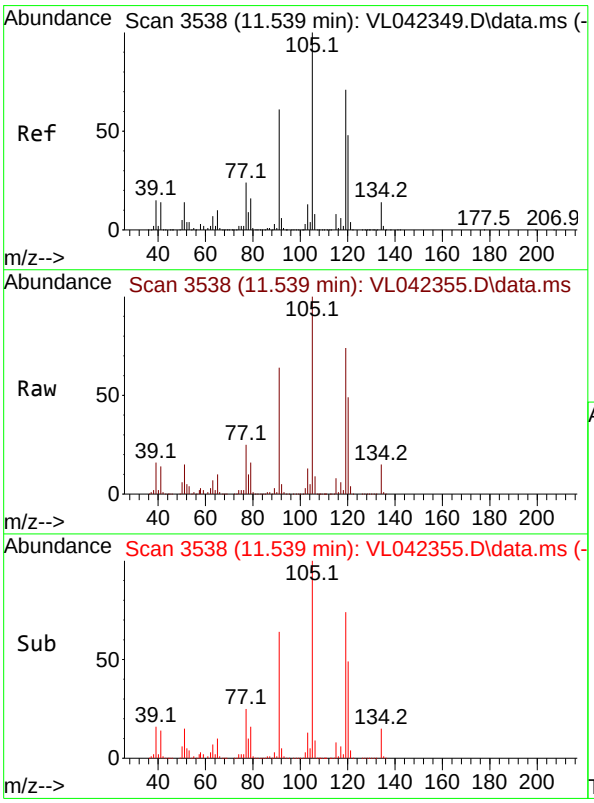
#73
1,3,5-Trimethylbenzene
Concen: 13.578 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 726558

Ion	Ratio	Lower	Upper
105	100		
120	45.1	35.6	53.4

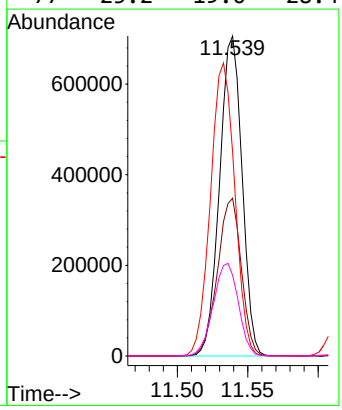


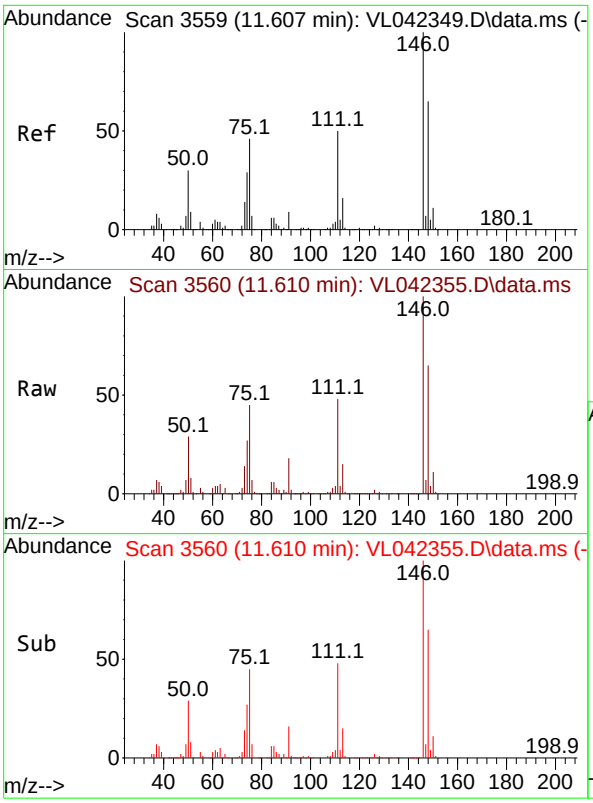


#74
1,2,4-Trimethylbenzene
Concen: 12.572 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:105 Resp: 785772

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.1	57.1
91	63.7	48.8	73.2
77	25.2	19.0	28.4



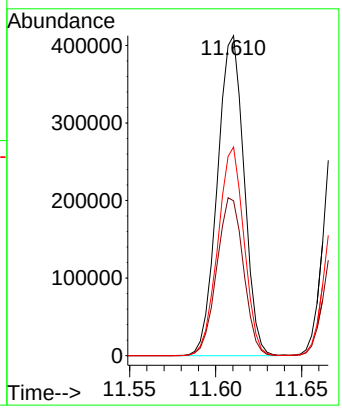


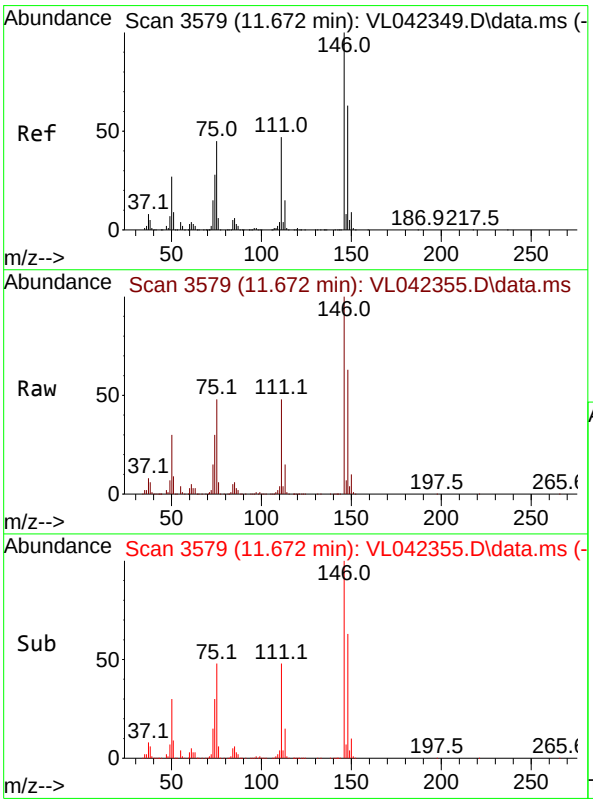
#75
1,3-Dichlorobenzene
Concen: 13.670 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 444086

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.3	72.8
148	63.9	31.6	94.8

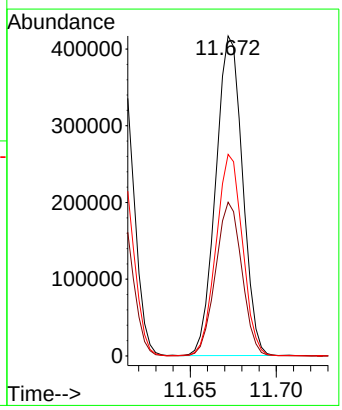


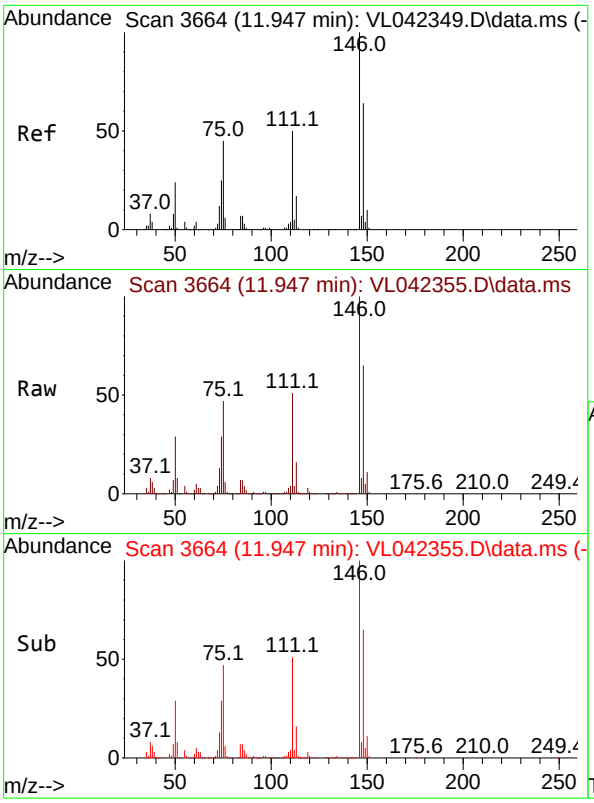


#76
1,4-Dichlorobenzene
Concen: 13.802 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:146 Resp: 450662

Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.2	72.6
148	62.6	32.1	96.5



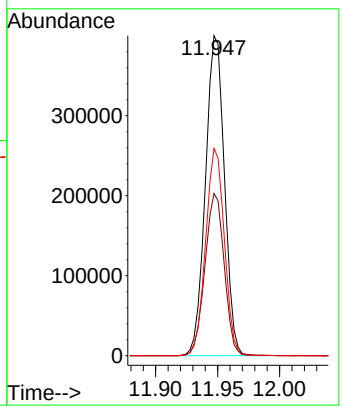


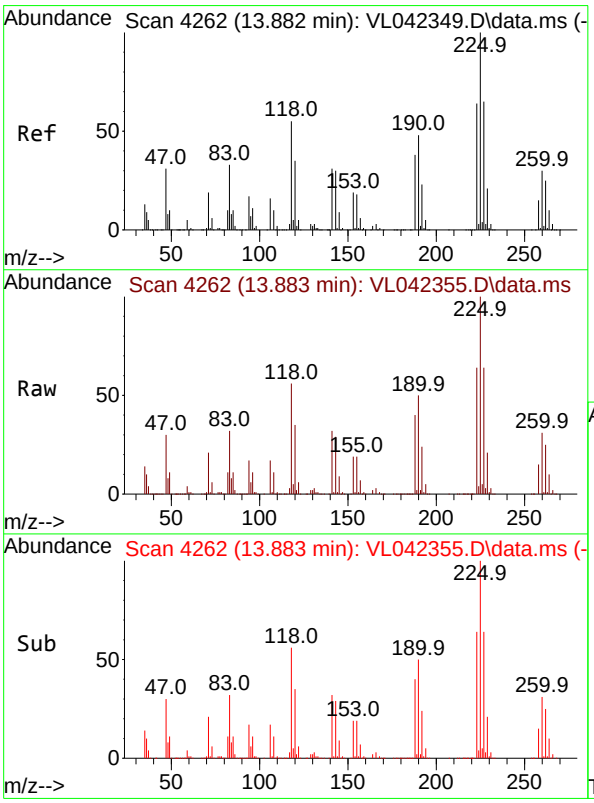
#77
1,2-Dichlorobenzene
Concen: 13.529 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 427372

Ion	Ratio	Lower	Upper
146	100		
111	51.3	25.3	75.9
148	63.8	31.5	94.5

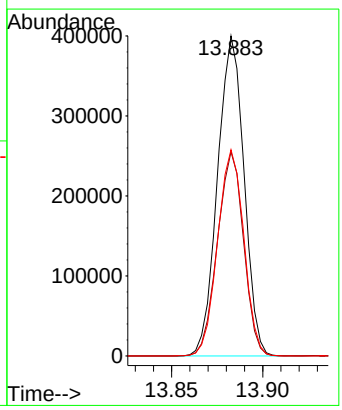


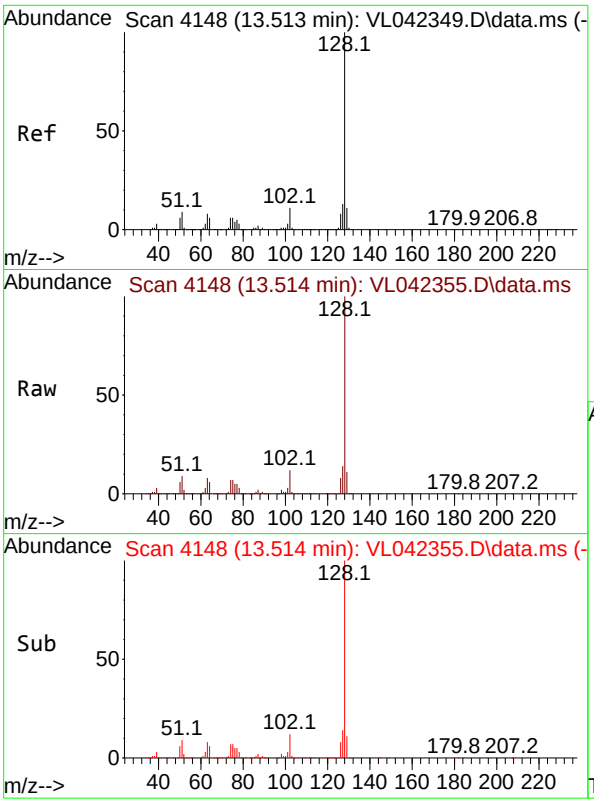


#78
Hexachloro-1,3-Butadiene
Concen: 12.679 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:225 Resp: 404441

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.8	51.5	77.3



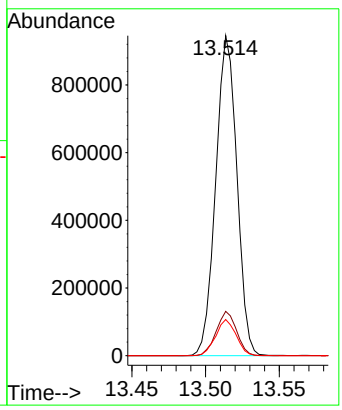


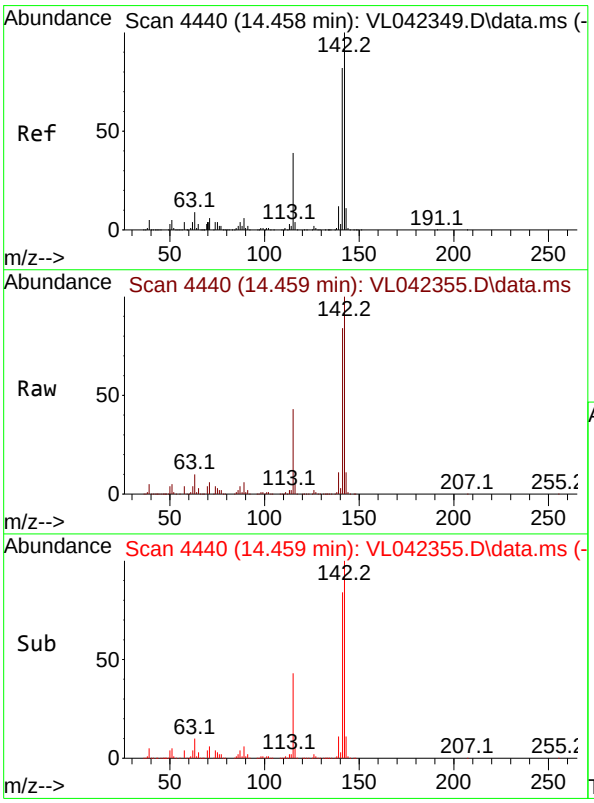
#79
Naphthalene
Concen: 12.632 ppbv
RT: 13.514 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 944085

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.3	8.6	12.8

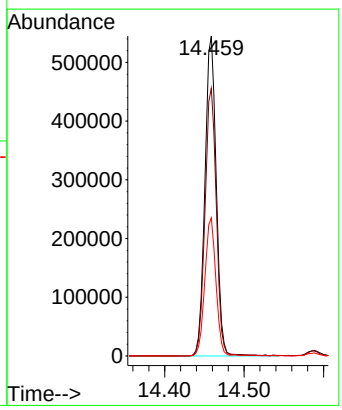


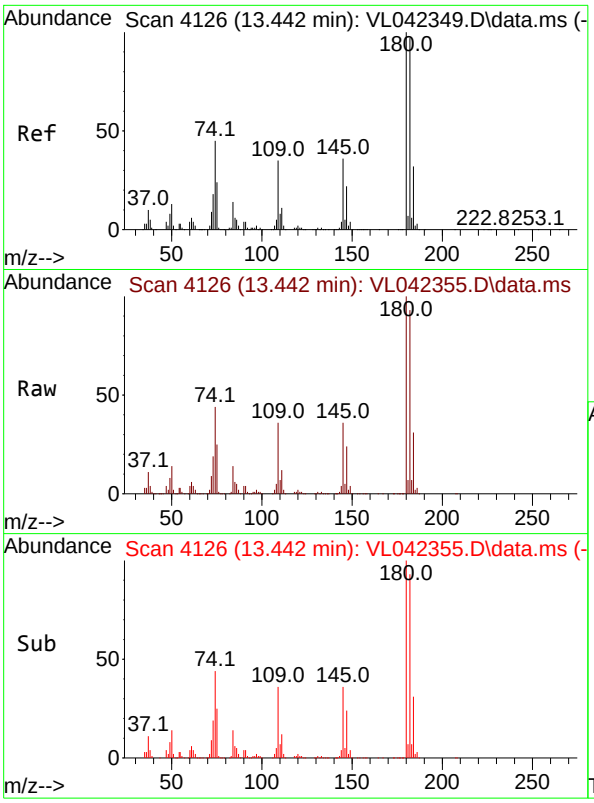


#80
Naphthalene,2-methyl-
Concen: 12.686 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Tgt Ion:142 Resp: 540339

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.8	100.2
115	43.0	33.4	50.2



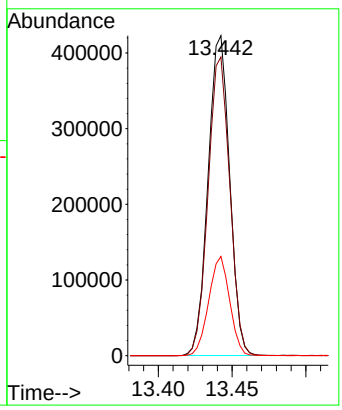


#81
1,2,4-Trichlorobenzene
Concen: 13.398 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042355.D
Acq: 17 Apr 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 429982

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.8	115.2
184	30.2	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	113992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	324528	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	305357	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250149	9.969	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197623	9.812	ppbv	100
3) Chlorodifluoromethane	1.476	51	191010	9.960	ppbv	99
4) Chloromethane	1.531	50	78080	9.796	ppbv	98
5) Vinyl Chloride	1.580	62	75628	8.717	ppbv	97
6) Bromomethane	1.667	94	35115	9.422	ppbv	84
7) Chloroethane	1.703	64	30158	9.612	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	172863	9.997	ppbv	98
9) Propene	1.482	41	84636	9.690	ppbv	95
10) Heptane	4.978	43	221840	9.041	ppbv	98
11) Trichlorofluoromethane	1.877	101	187827	9.807	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	148485	9.482	ppbv	100
13) Ethanol	1.722	45	4171	3.005	ppbv	97
14) Bromoethene	1.780	108	58320	9.880	ppbv	99
15) Acetone	1.835	43	158708	8.505	ppbv	100
16) 1,3-Butadiene	1.609	39	78804	8.829	ppbv	95
17) tert-Butyl alcohol	2.039	59	218954	9.468	ppbv	99
18) 1,1-Dichloroethene	2.033	96	67940	9.287	ppbv	94
19) Isopropyl Alcohol	1.887	45	96365	9.296	ppbv	95
20) Methylene Chloride	2.062	84	59203	8.101	ppbv	91
21) Allyl Chloride	2.094	41	120704	9.368	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	78070	9.373	ppbv	99
23) Vinyl Acetate	2.463	43	73373	9.714	ppbv	99
24) 1,1-Dichloroethane	2.408	63	155571	9.832	ppbv	100
25) Ethyl Acetate	2.835	43	449014	9.759	ppbv	99
26) Hexane	2.826	57	175752	9.439	ppbv	98
27) Carbon Disulfide	2.149	76	191117	9.587	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	115190	9.442	ppbv	94
29) Chloroform	2.848	83	260855	9.912	ppbv	98
30) Cyclohexane	3.855	84	148246	9.849	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	179993	10.167	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	276599	9.336	ppbv	98
34) 2-Butanone	2.557	43	248969	9.700	ppbv	99
35) Carbon Tetrachloride	3.764	117	271862	9.256	ppbv	98
36) Benzene	3.657	78	350545	10.014	ppbv	99
37) 1,2-Dichloroethane	3.217	62	211790	10.081	ppbv	99
38) Trichloroethene	4.551	130	139872	9.143	ppbv	96
39) 1,2-Dichloropropane	4.315	63	129239	9.908	ppbv	99
40) 1,4-Dioxane	4.583	88	61587	8.591	ppbv #	96
41) Tetrahydrofuran	3.052	42	141861	9.479	ppbv	99
42) Bromodichloromethane	4.489	83	296946	10.156	ppbv	96
43) Methyl Methacrylate	4.878	69	149209	9.458	ppbv	96
44) 2,2,4-Trimethylpentane	4.641	57	606376	10.030	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	160750	9.975	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	200144	10.148	ppbv		88
47) 1,1,2-Trichloroethane	6.583	97	135575	10.202	ppbv		95
48) Dibromochloromethane	7.389	129	237206	10.103	ppbv		100
49) Bromoform	9.483	173	205630	10.016	ppbv		99
50) 4-Methyl-2-Pentanone	5.748	43	376145	8.819	ppbv		99
51) 2-Hexanone	7.435	43	310521	8.118	ppbv	#	99
52) Tetrachloroethene	8.224	164	119424	8.827	ppbv		94
53) Toluene	6.933	91	419462	9.986	ppbv		99
54) 1,2-Dibromoethane	7.652	107	186231	9.792	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.927	131	182712	9.886	ppbv		97
57) Chlorobenzene	8.920	112	304533	9.589	ppbv		96
58) Ethyl Benzene	9.354	91	583515	9.645	ppbv		99
59) m/p-Xylene	9.551	91	442744	9.084	ppbv	#	26
60) o-Xylene	9.966	91	464522	9.465	ppbv		99
61) Styrene	9.872	104	229869	9.813	ppbv		98
62) Isopropylbenzene	10.539	105	685965	9.520	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.962	83	279007	8.773	ppbv		100
64) n-propylbenzene	10.992	120	172654	9.533	ppbv		99
65) tert-Butylbenzene	11.532	119	609500	9.203	ppbv		93
66) Benzyl Chloride	11.613	91	63051	8.664	ppbv		95
67) sec-Butylbenzene	11.769	105	853807	9.268	ppbv		99
69) p-Isopropyltoluene	11.927	119	737861	9.220	ppbv		99
70) n-Butylbenzene	12.283	91	771461	9.255	ppbv		100
71) 2-Chlorotoluene	10.901	91	543794	9.622	ppbv		98
72) 4-Ethyltoluene	11.124	105	563136	9.385	ppbv		100
73) 1,3,5-Trimethylbenzene	11.205	105	486583	9.186	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	531576	8.592	ppbv		97
75) 1,3-Dichlorobenzene	11.610	146	297157	9.240	ppbv		99
76) 1,4-Dichlorobenzene	11.671	146	297697	9.210	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	289284	9.251	ppbv		100
78) Hexachloro-1,3-Butadiene	13.882	225	276960	8.771	ppbv		100
79) Naphthalene	13.513	128	647349	8.750	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	350259	8.307	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	290260	9.136	ppbv		99

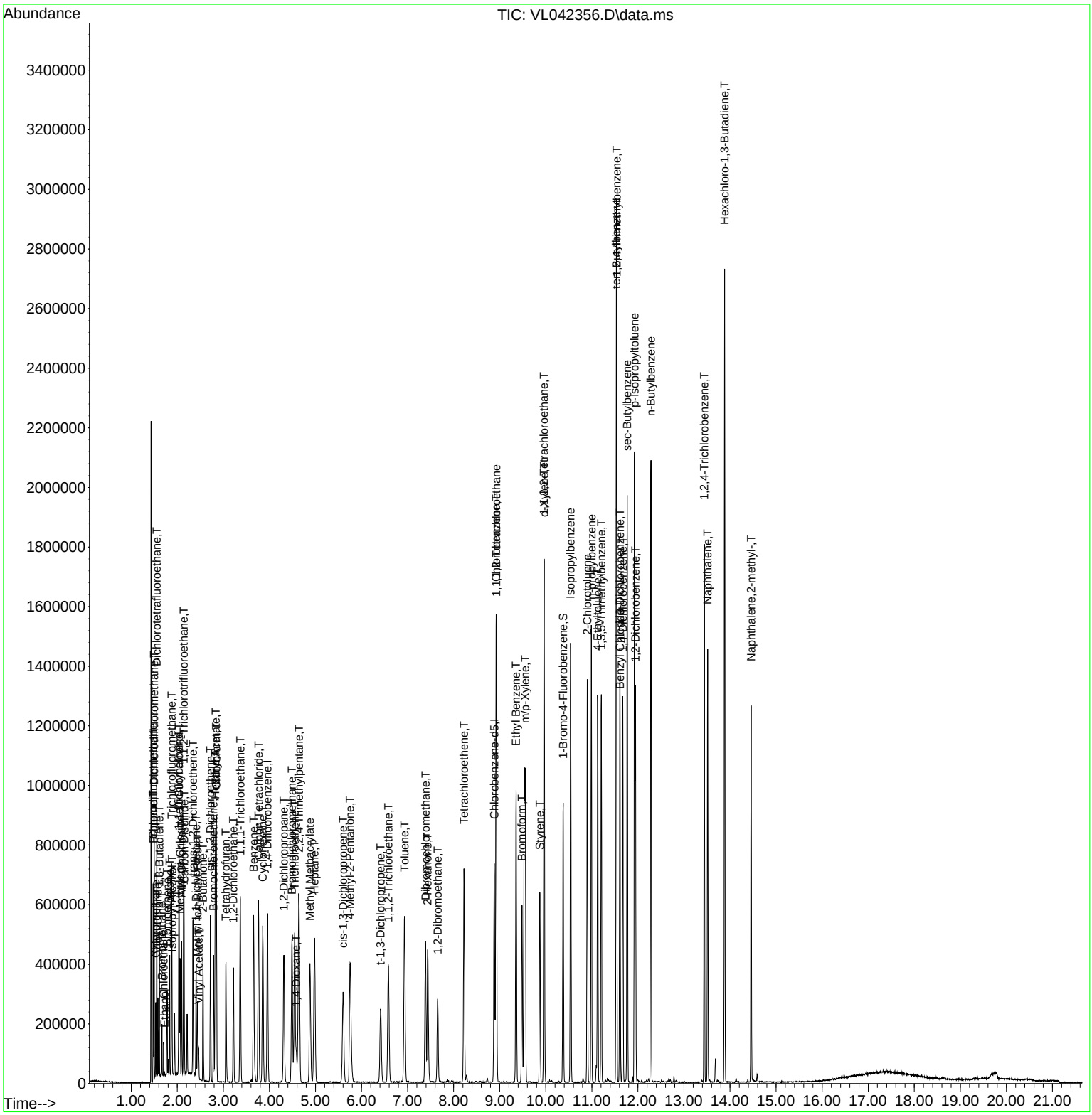
(#) = qualifier out of range (m) = manual integration (+) = signals summed

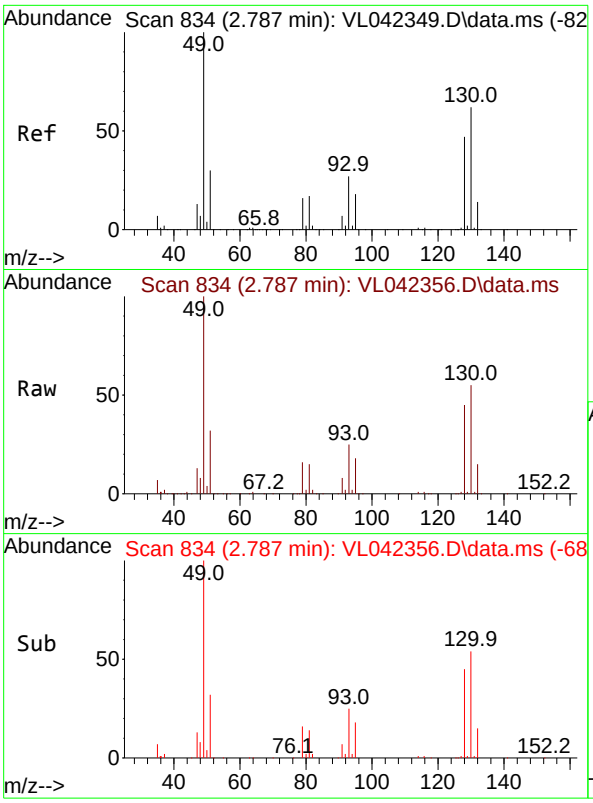
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042356.D
Acq On : 17 Apr 2025 13:43
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Quant Time: Apr 18 02:15:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



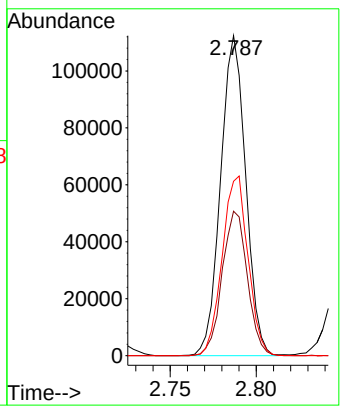


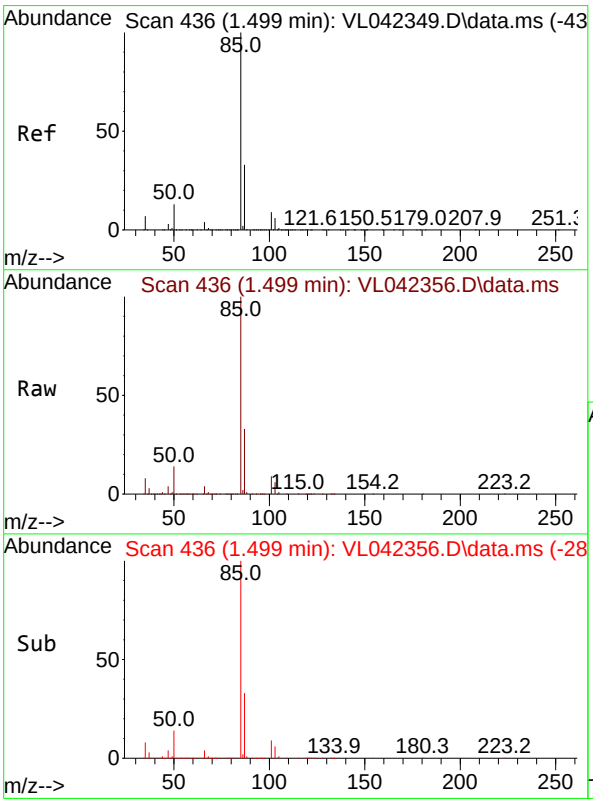
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 49 Resp: 113992

Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.8	68.4
130	57.8	29.3	88.0

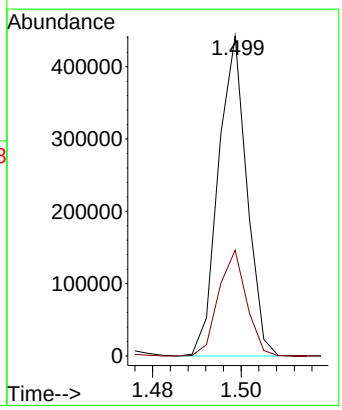


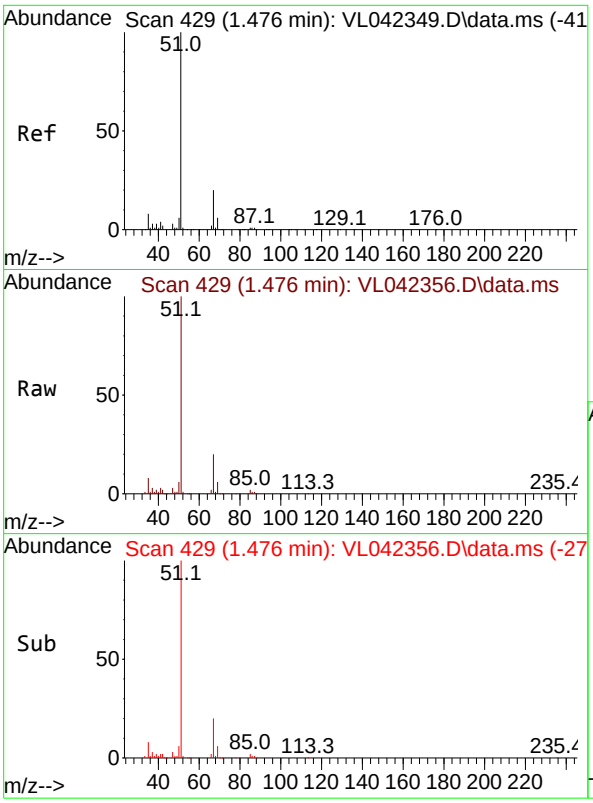


#2
Dichlorodifluoromethane
Concen: 9.812 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 85 Resp: 197623

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.6	39.8



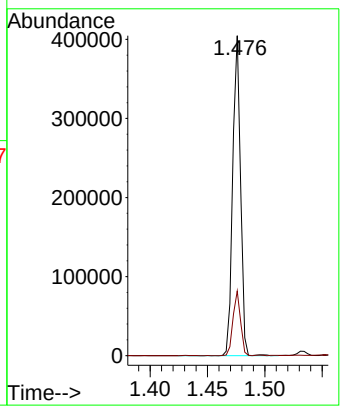


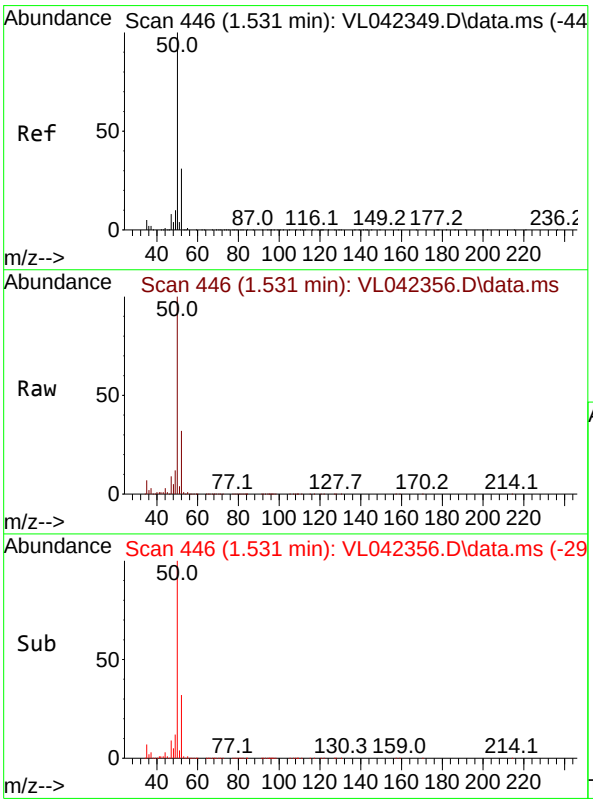
#3
Chlorodifluoromethane
Concen: 9.960 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 51 Resp: 191010

Ion	Ratio	Lower	Upper
51	100		
67	19.6	16.2	24.4

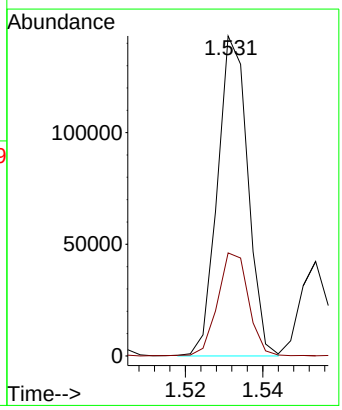


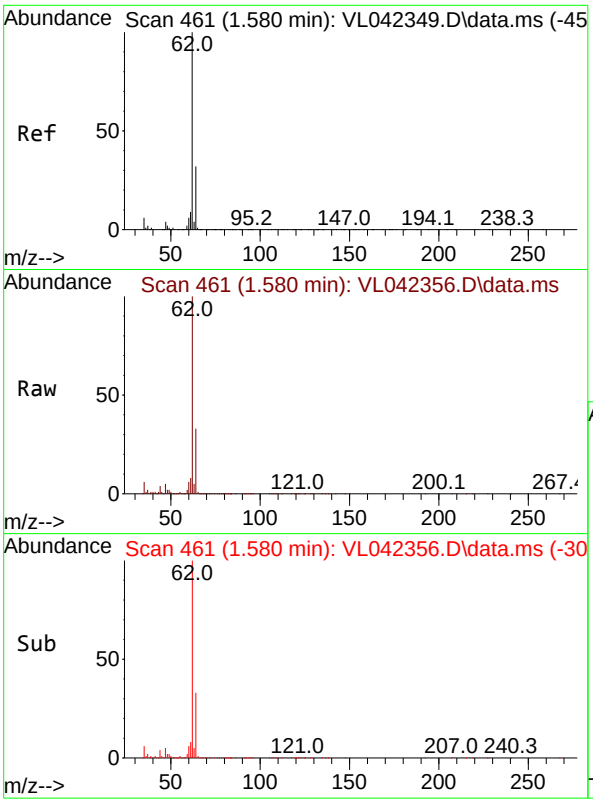


#4
Chloromethane
Concen: 9.796 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 50 Resp: 78080

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.7	37.1



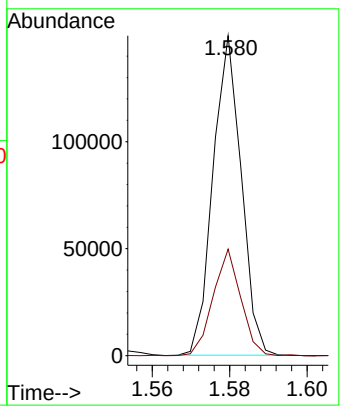


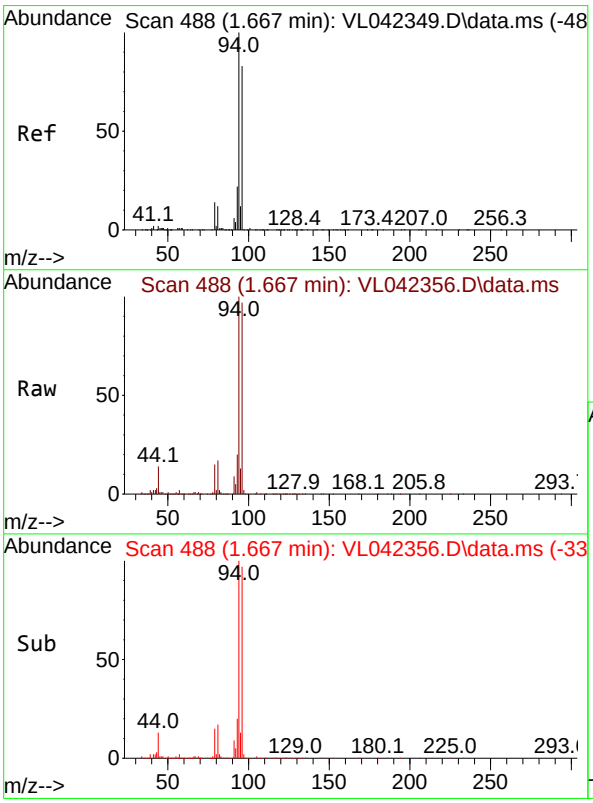
#5
Vinyl Chloride
Concen: 8.717 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 62 Resp: 75628

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.4	38.0

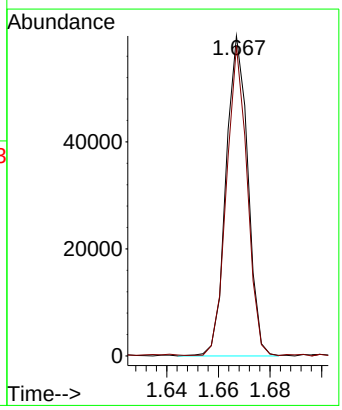


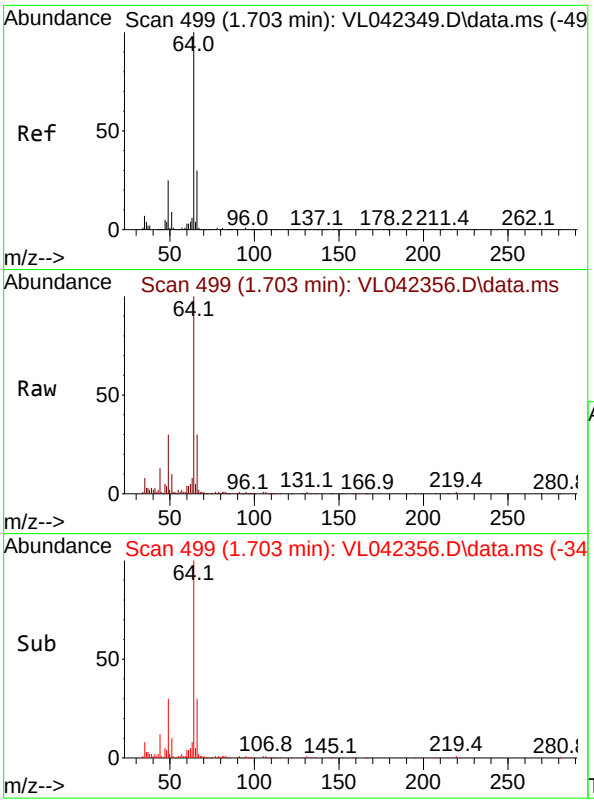


#6
Bromomethane
Concen: 9.422 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 94 Resp: 35115

Ion	Ratio	Lower	Upper
94	100		
96	96.8	66.2	99.2



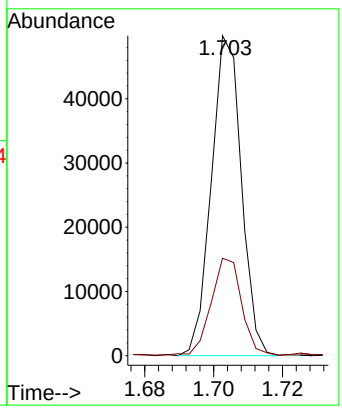


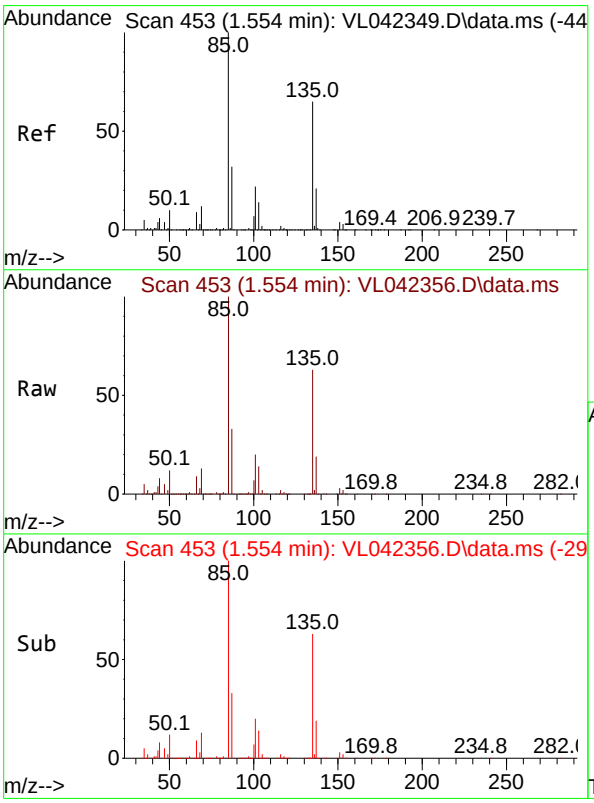
#7
Chloroethane
Concen: 9.612 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 64 Resp: 30158

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	37.0

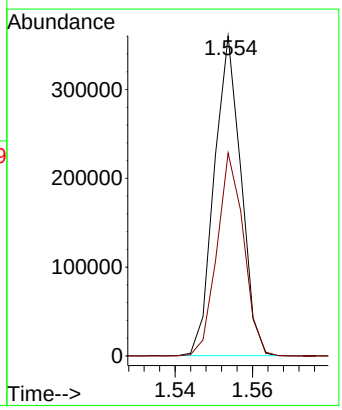


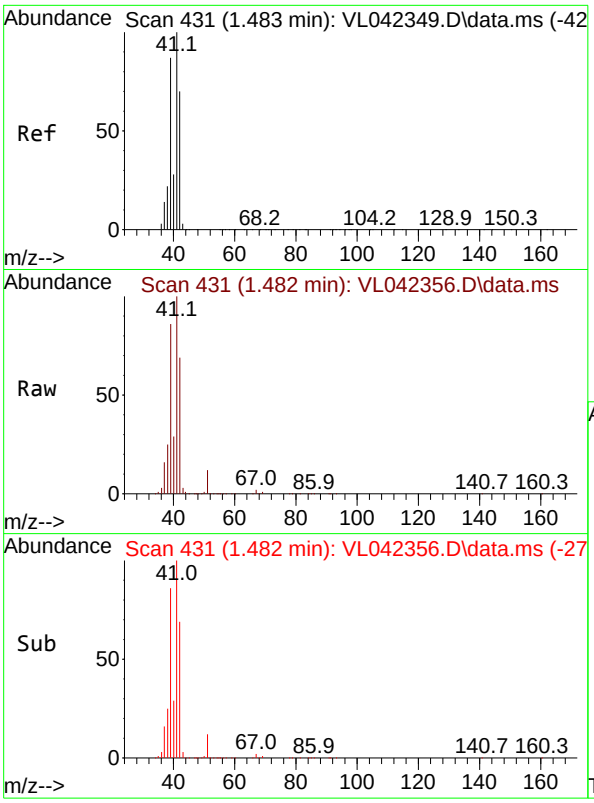


#8
Dichlorotetrafluoroethane
Concen: 9.997 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 85 Resp: 172863

Ion	Ratio	Lower	Upper
85	100		
135	63.5	52.2	78.2



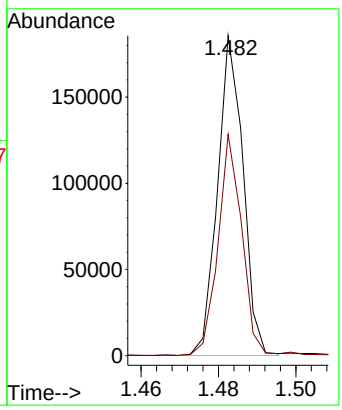


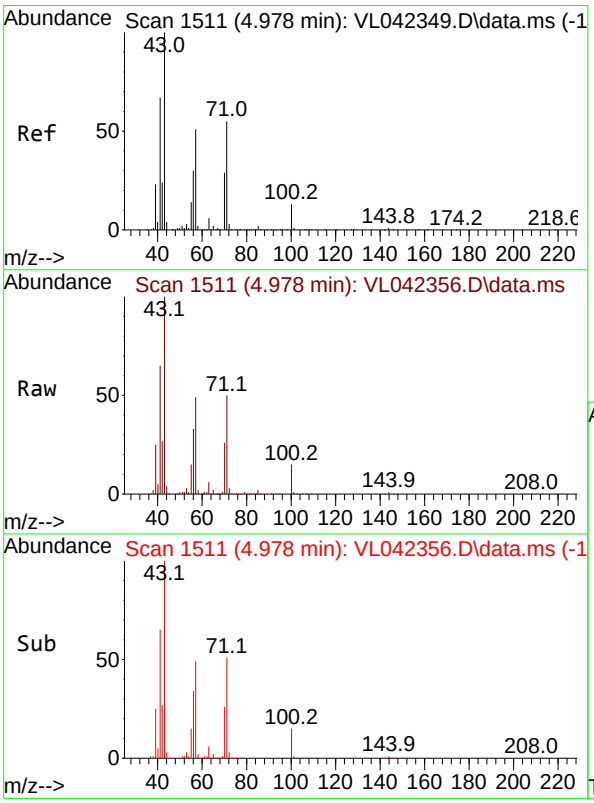
#9
Propene
Concen: 9.690 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 41 Resp: 84636

Ion	Ratio	Lower	Upper
41	100		
42	65.8	56.2	84.4

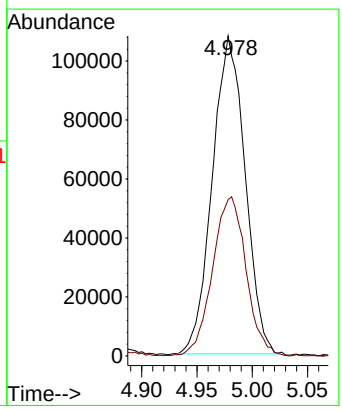


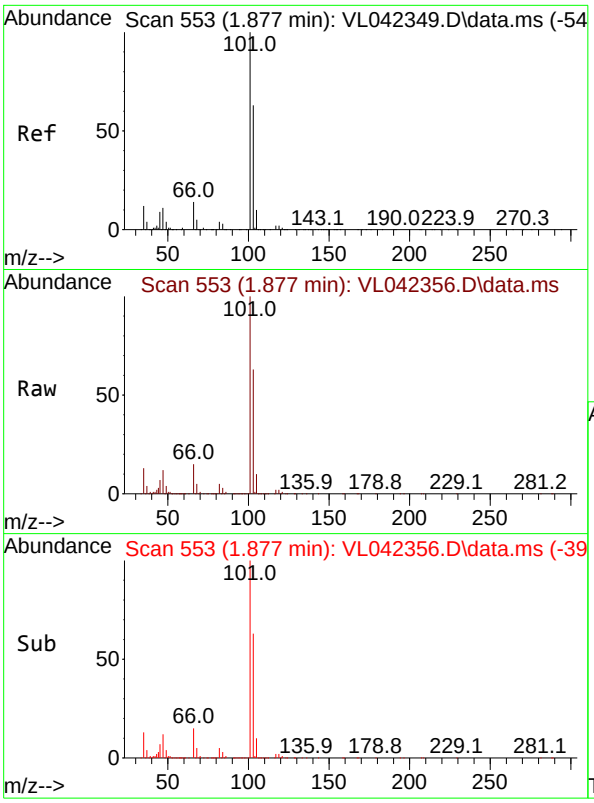


#10
Heptane
Concen: 9.041 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 221840

Ion	Ratio	Lower	Upper
43	100		
57	51.4	39.9	59.9



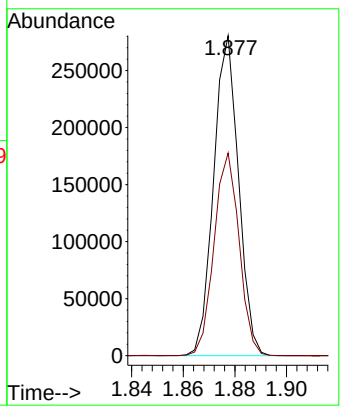


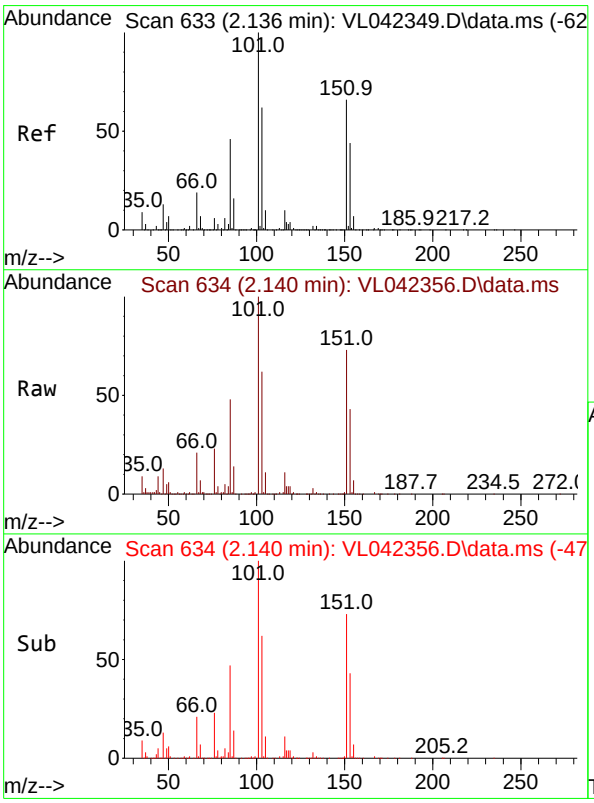
#11
Trichlorofluoromethane
Concen: 9.807 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:101 Resp: 187827

Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.1	75.1

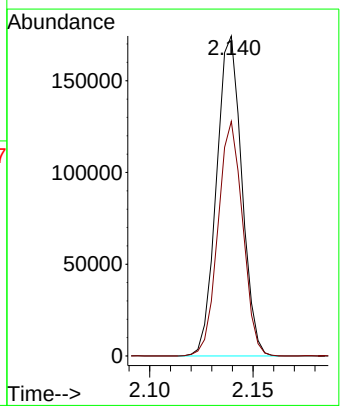


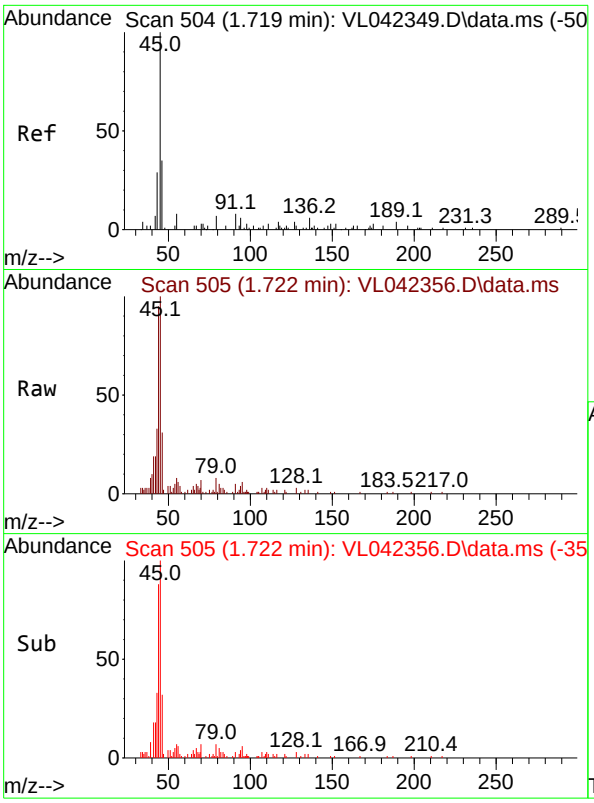


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.482 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:101 Resp: 148485

Ion	Ratio	Lower	Upper
101	100		
151	71.7	57.0	85.6



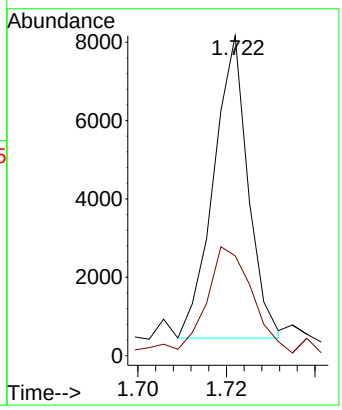


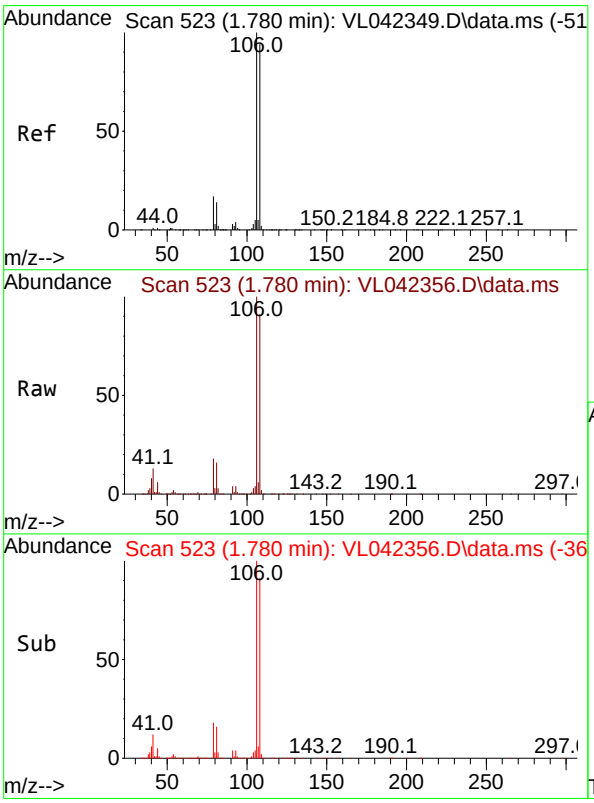
#13
Ethanol
Concen: 3.005 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 45 Resp: 4171

Ion	Ratio	Lower	Upper
45	100		
46	57.0	21.9	87.7

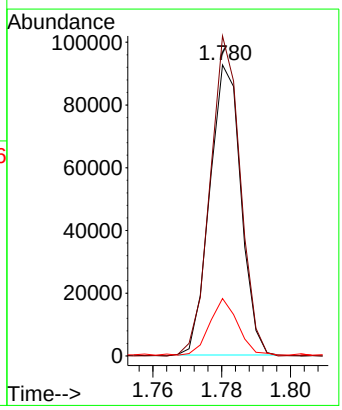


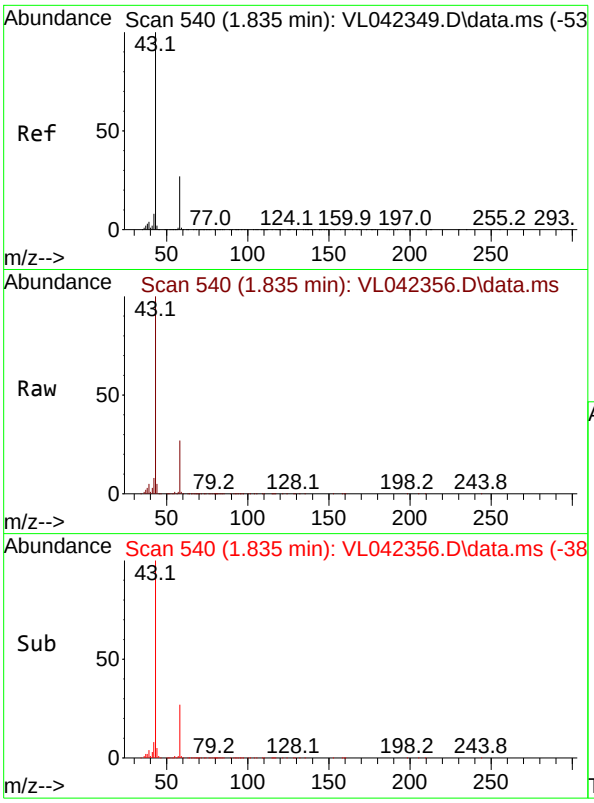


#14
Bromoethene
Concen: 9.880 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:108 Resp: 58320

Ion	Ratio	Lower	Upper
108	100		
106	107.1	85.9	128.9
79	18.4	13.9	20.9



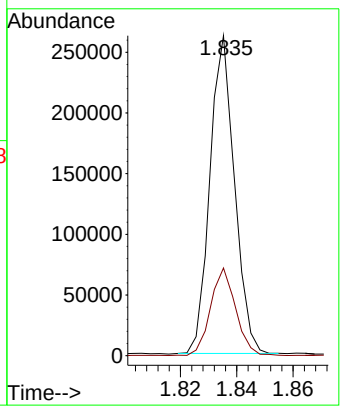


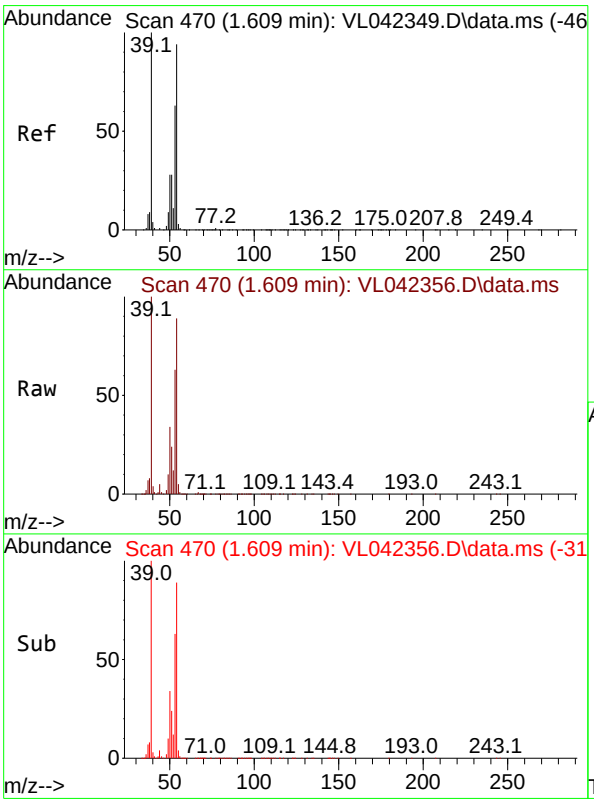
#15
Acetone
Concen: 8.505 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 43 Resp: 158708

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6

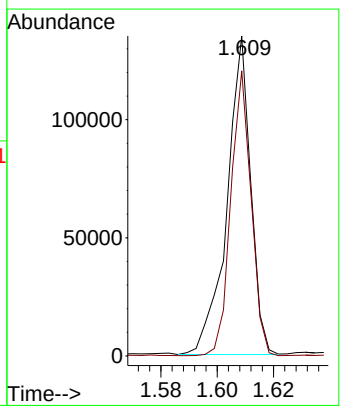


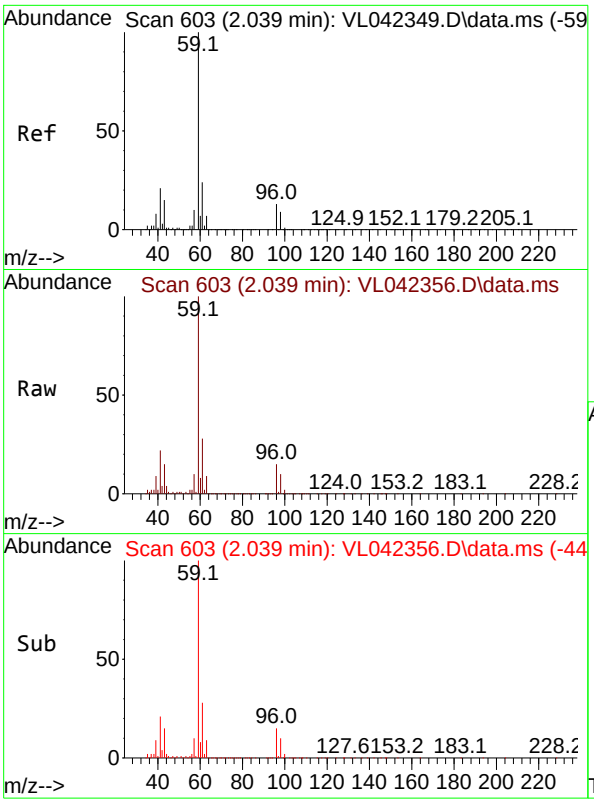


#16
1,3-Butadiene
Concen: 8.829 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 39 Resp: 78804

Ion	Ratio	Lower	Upper
39	100		
54	77.1	64.9	97.3



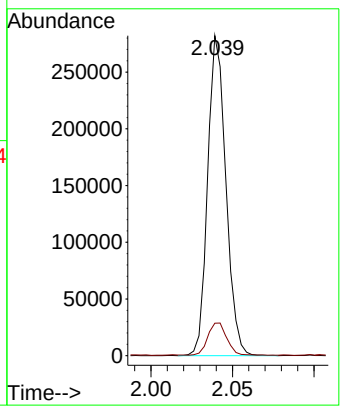


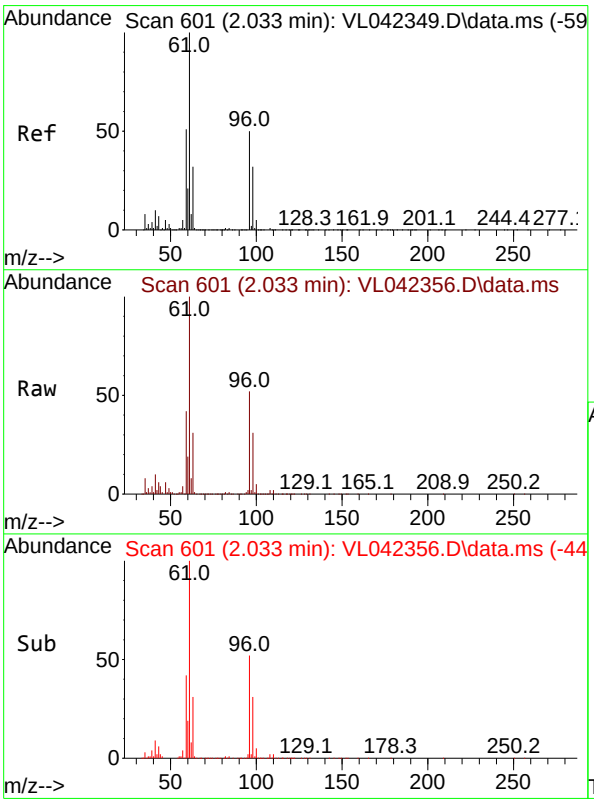
#17
tert-Butyl alcohol
Concen: 9.468 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 59 Resp: 218954

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1

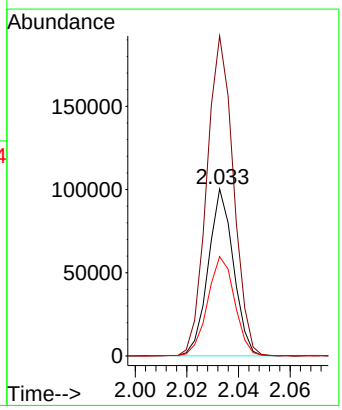


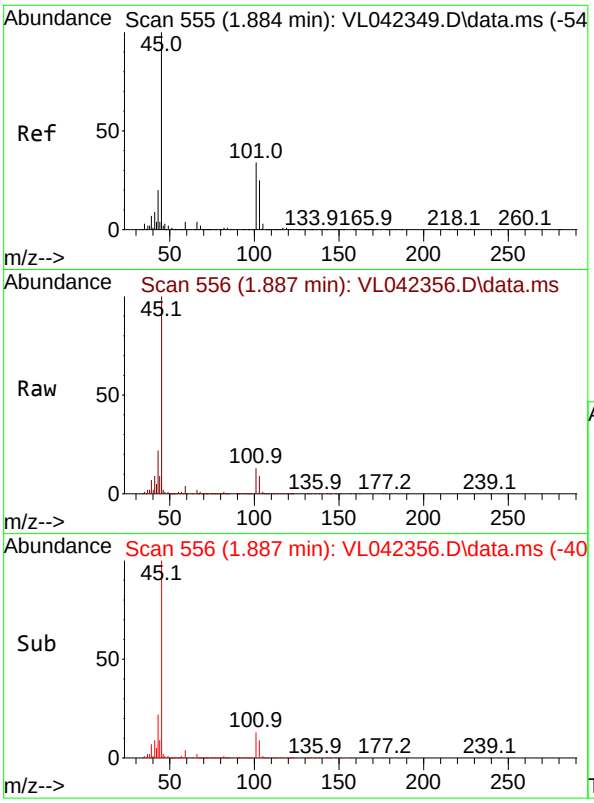


#18
1,1-Dichloroethene
Concen: 9.287 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 96 Resp: 67940

Ion	Ratio	Lower	Upper
96	100		
61	191.6	160.2	240.2
98	59.4	51.0	76.4



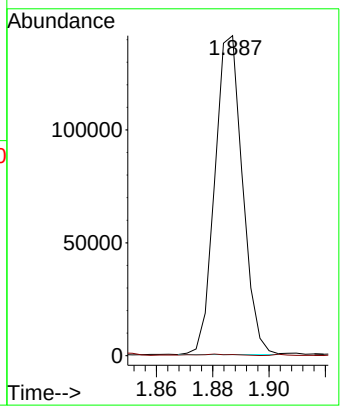


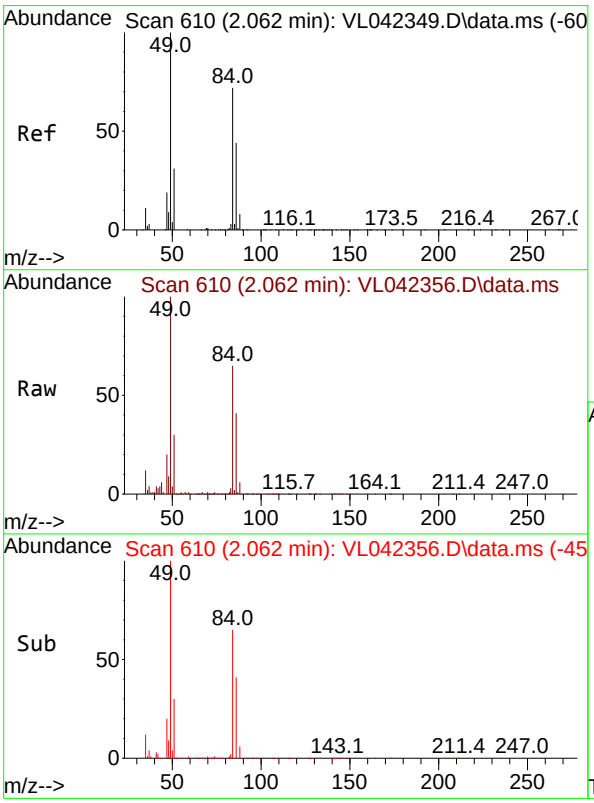
#19
Isopropyl Alcohol
Concen: 9.296 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 45 Resp: 96365

Ion	Ratio	Lower	Upper
45	100		
58	46.1	34.5	51.7

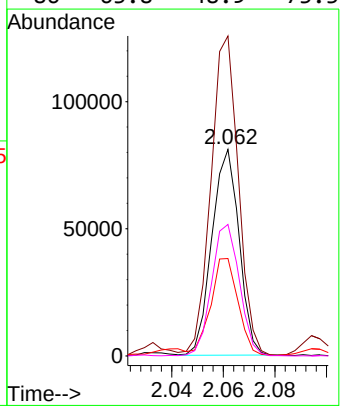


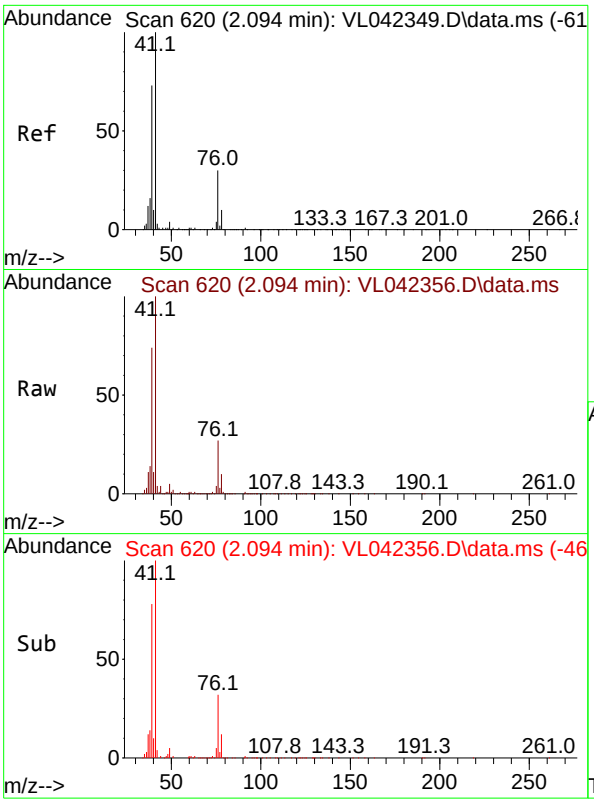


#20
Methylene Chloride
Concen: 8.101 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 84 Resp: 59203

Ion	Ratio	Lower	Upper
84	100		
49	155.3	111.6	167.4
51	47.0	35.1	52.7
86	63.8	48.9	73.3



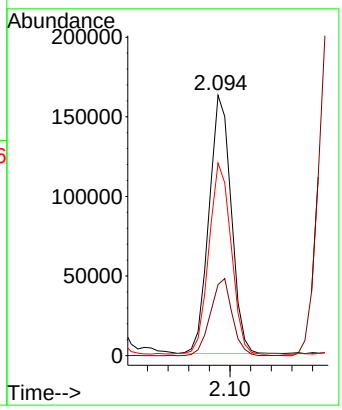


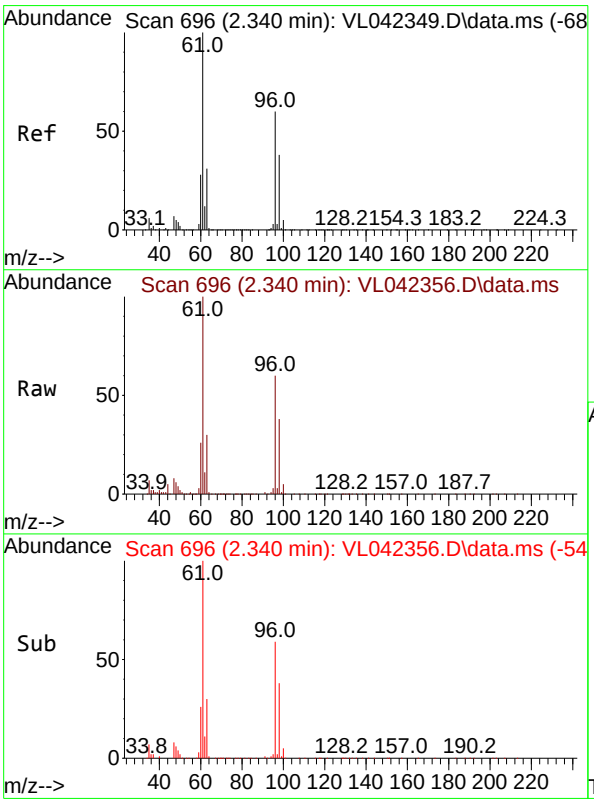
#21
Allyl Chloride
Concen: 9.368 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 41 Resp: 120704

Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.8	37.2
39	74.5	60.6	90.8

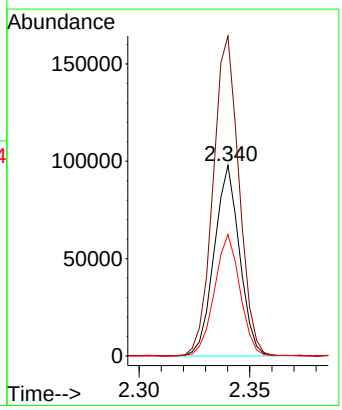


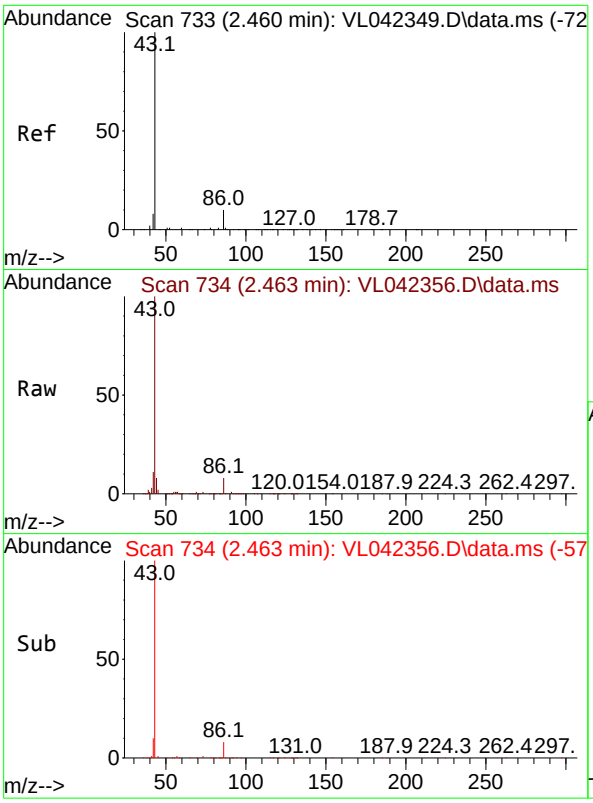


#22
trans-1,2-Dichloroethene
Concen: 9.373 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 96 Resp: 78070

Ion	Ratio	Lower	Upper
96	100		
61	167.7	133.7	200.5
98	63.5	50.3	75.5



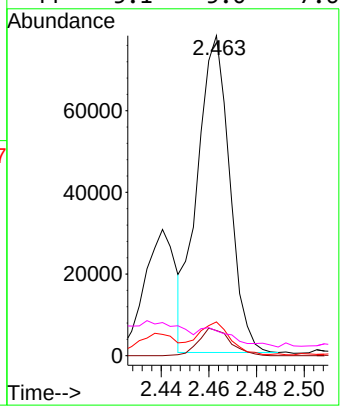


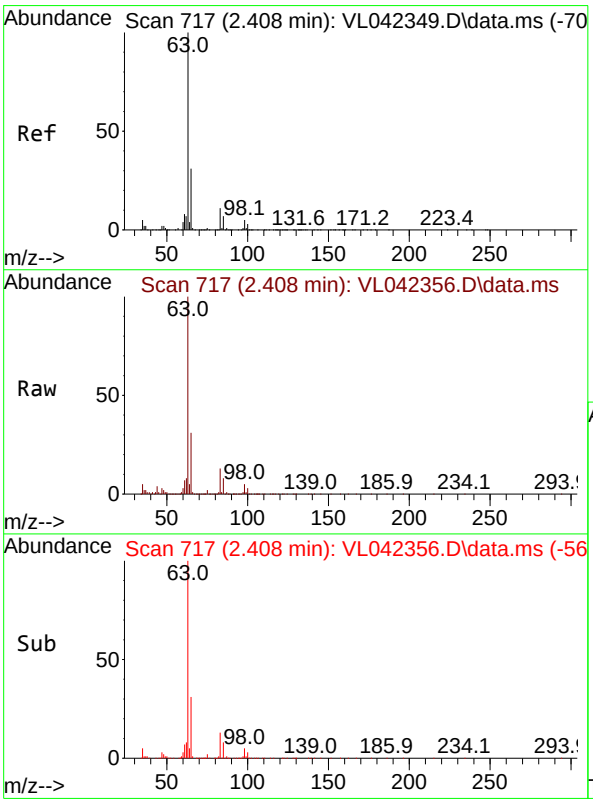
#23
Vinyl Acetate
Concen: 9.714 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 43 Resp: 73373

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.5	9.7
42	10.0	7.8	11.8
44	5.1	5.0	7.6

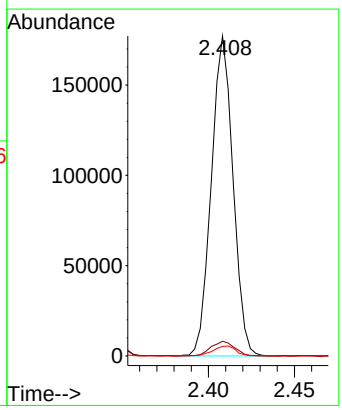


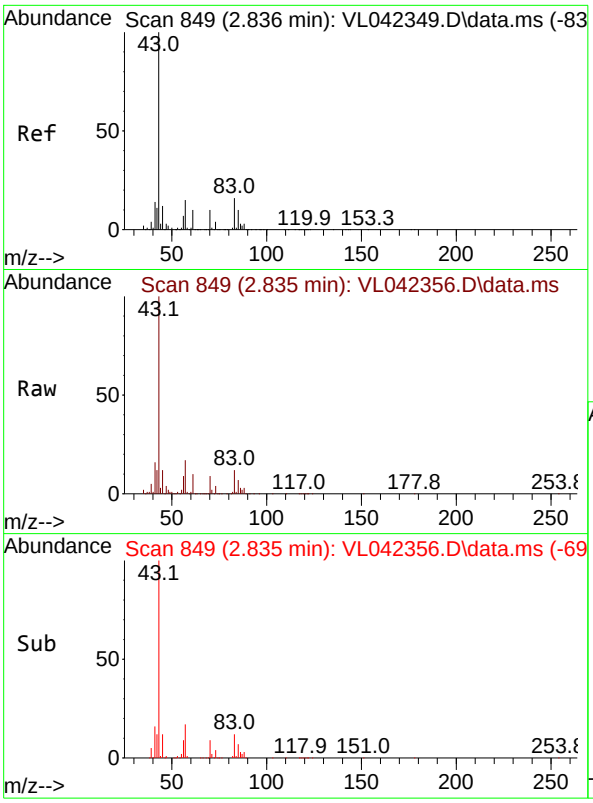


#24
1,1-Dichloroethane
Concen: 9.832 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 63 Resp: 155571

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.0	1.6	4.8



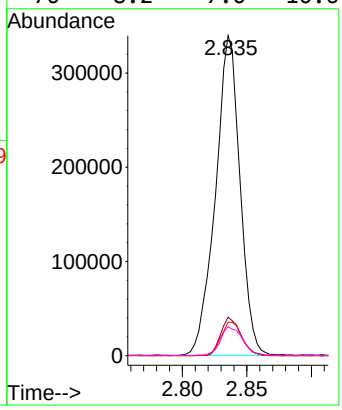


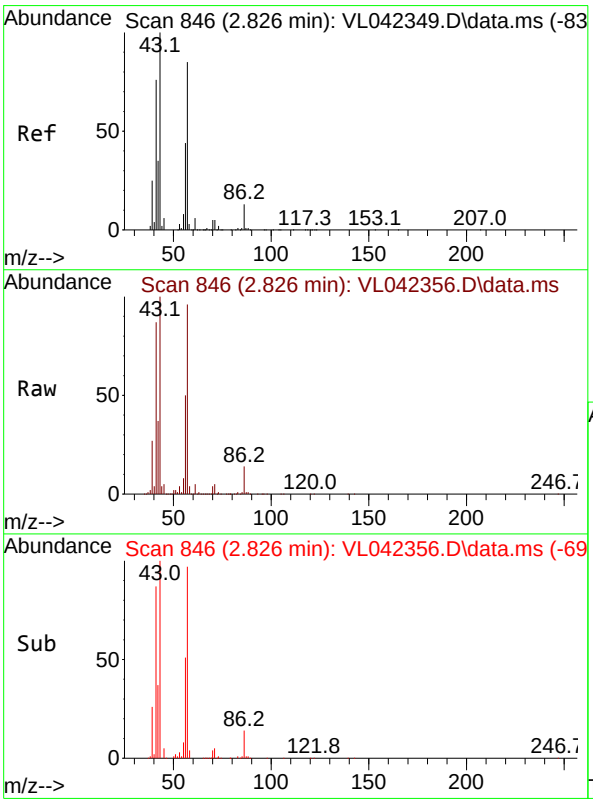
#25
Ethyl Acetate
Concen: 9.759 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 43 Resp: 449014

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.3	12.5
61	9.0	7.3	10.9
70	8.2	7.0	10.6

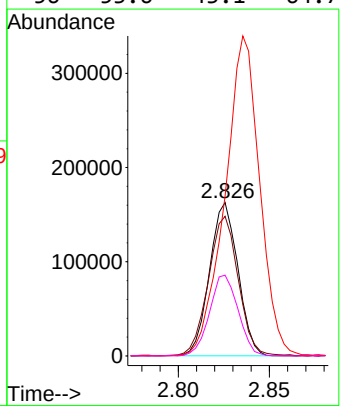


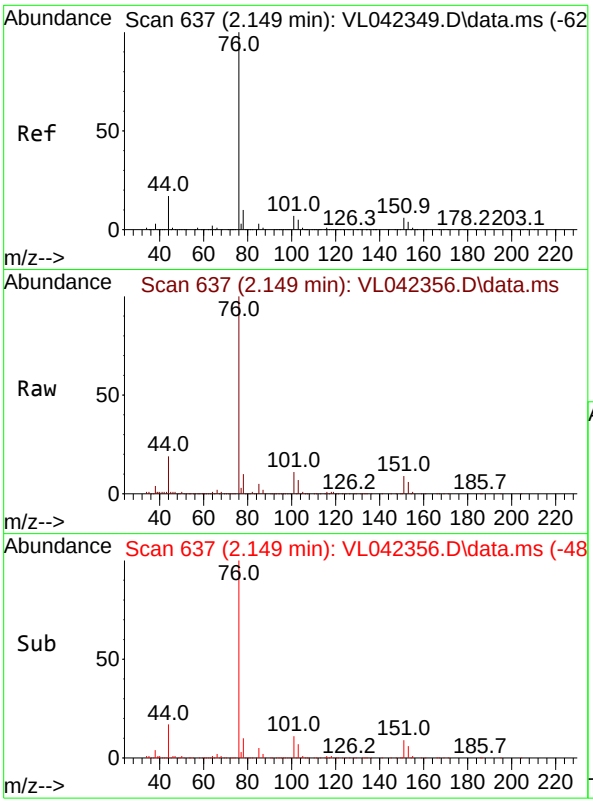


#26
Hexane
Concen: 9.439 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 57 Resp: 175752

Ion	Ratio	Lower	Upper
57	100		
41	96.6	77.9	116.9
43	256.0	208.4	312.6
56	53.6	43.1	64.7



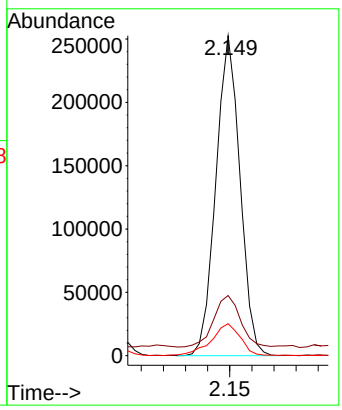


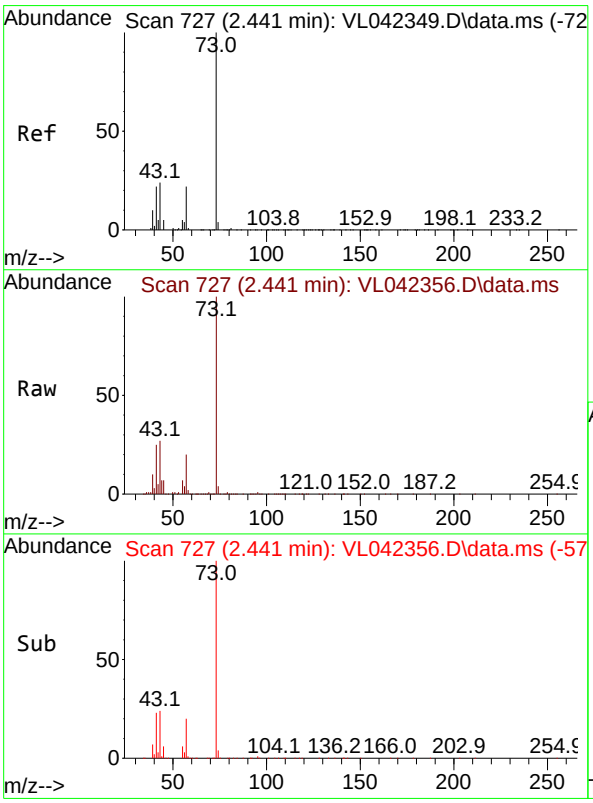
#27
Carbon Disulfide
Concen: 9.587 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 76 Resp: 191117

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.5	23.3
78	11.9	9.3	13.9

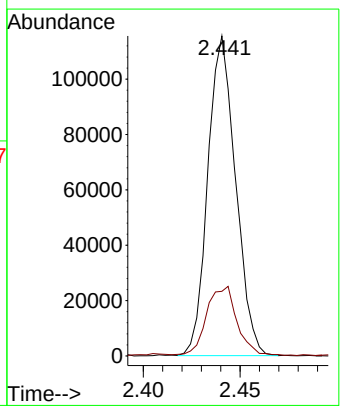


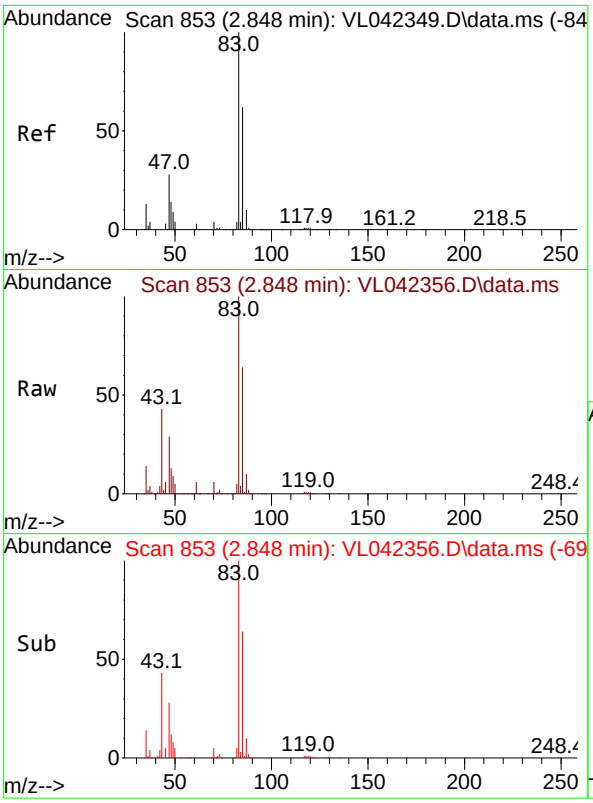


#28
Methyl tert-Butyl Ether
Concen: 9.442 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 73 Resp: 115190

Ion	Ratio	Lower	Upper
73	100		
57	23.4	21.3	31.9



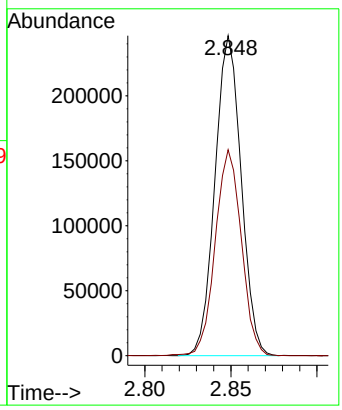


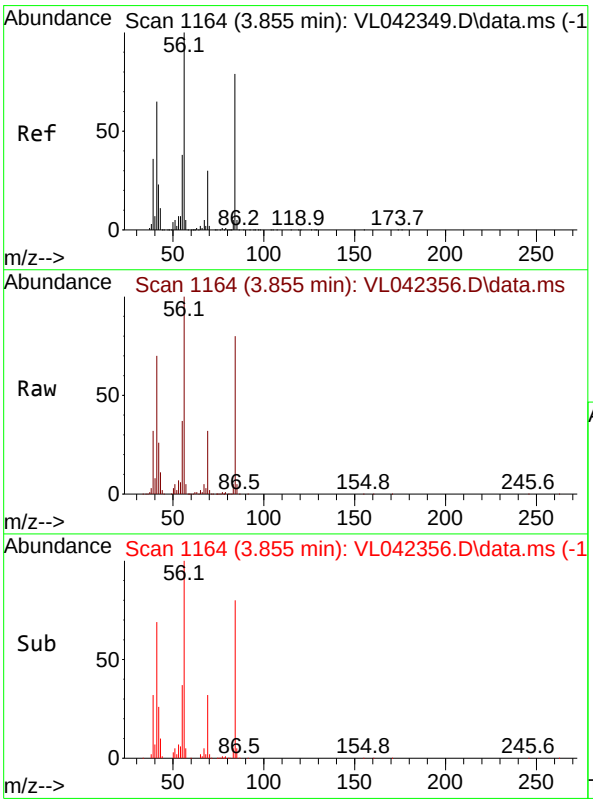
#29
Chloroform
Concen: 9.912 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 83 Resp: 260855

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0

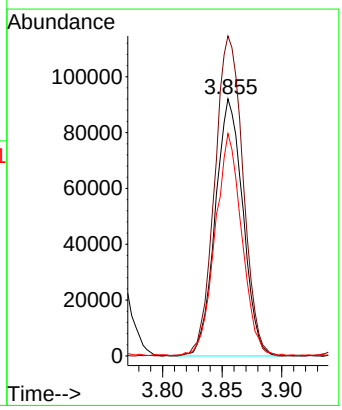


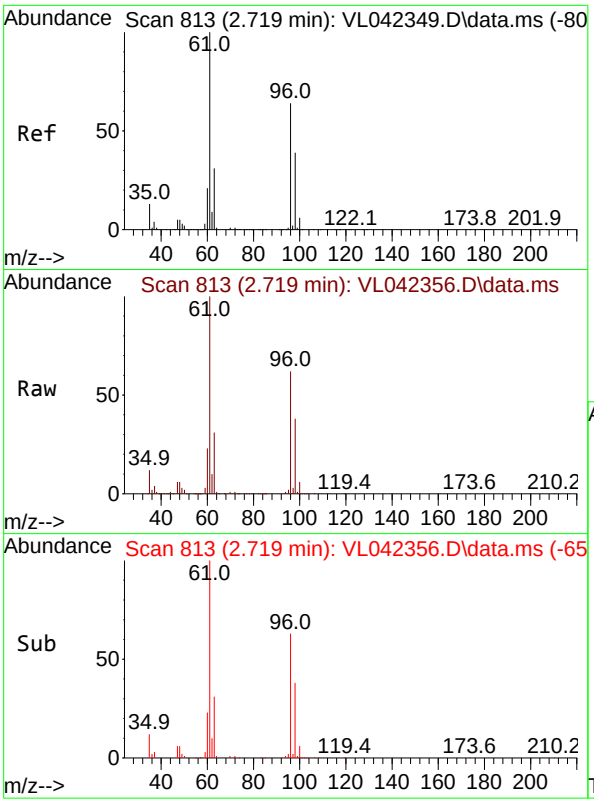


#30
Cyclohexane
Concen: 9.849 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 84 Resp: 148246

Ion	Ratio	Lower	Upper
84	100		
56	127.7	101.0	151.4
41	83.2	67.4	101.0



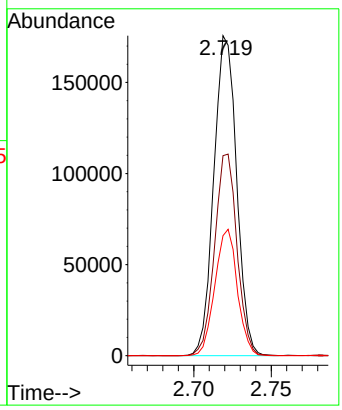


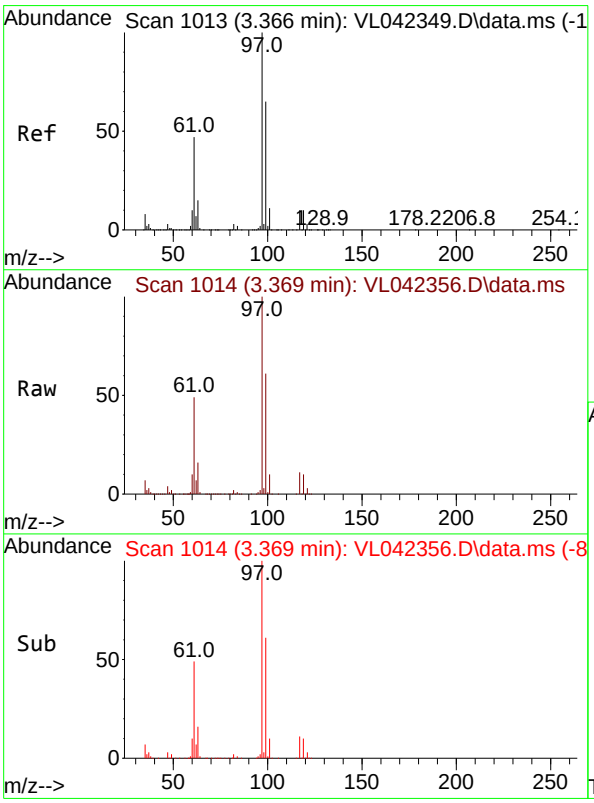
#31
cis-1,2-Dichloroethene
Concen: 10.167 ppbv
RT: 2.719 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 61 Resp: 179993

Ion	Ratio	Lower	Upper
61	100		
96	62.5	50.8	76.2
98	37.5	30.9	46.3

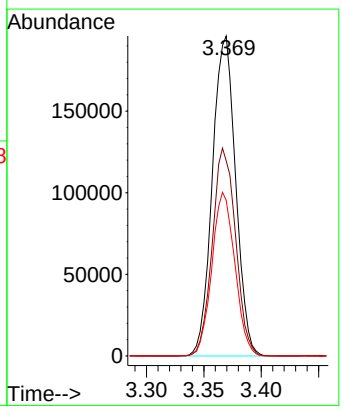


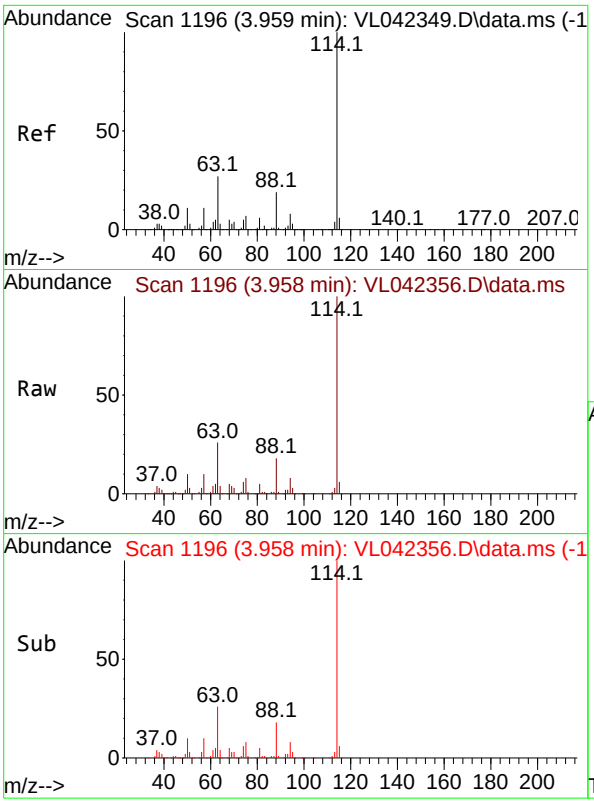


#32
1,1,1-Trichloroethane
Concen: 9.336 ppbv
RT: 3.369 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 97 Resp: 276599

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.4
61	50.7	38.8	58.2



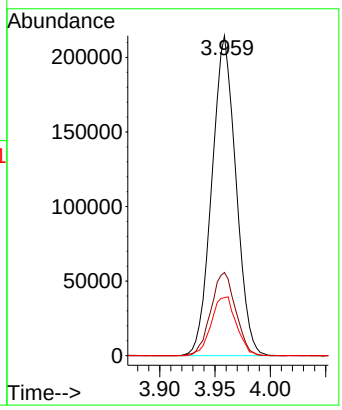


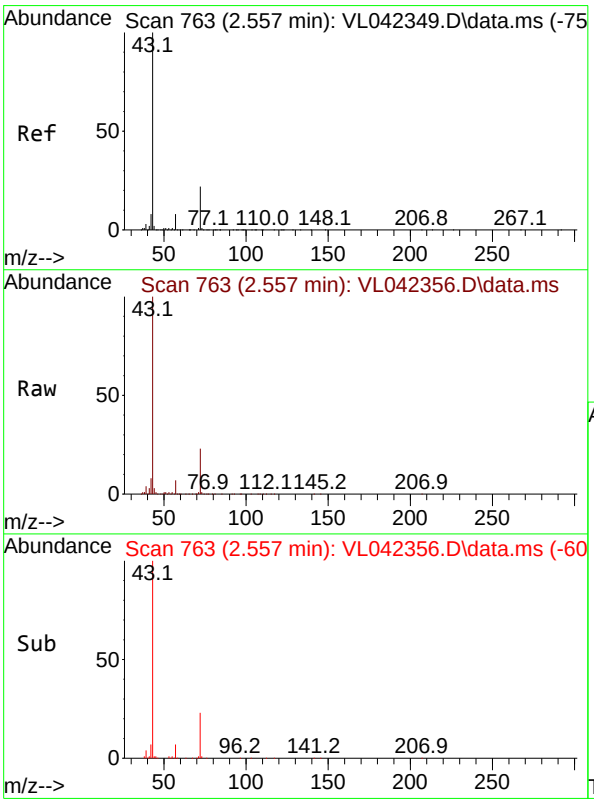
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.958 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:114 Resp: 324528

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.8	32.6
88	19.2	15.5	23.3

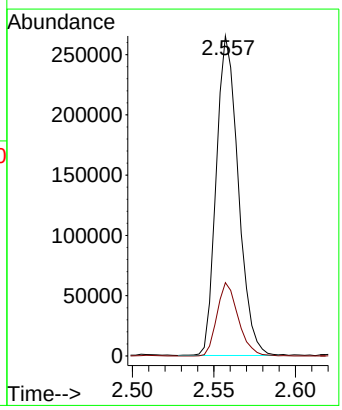


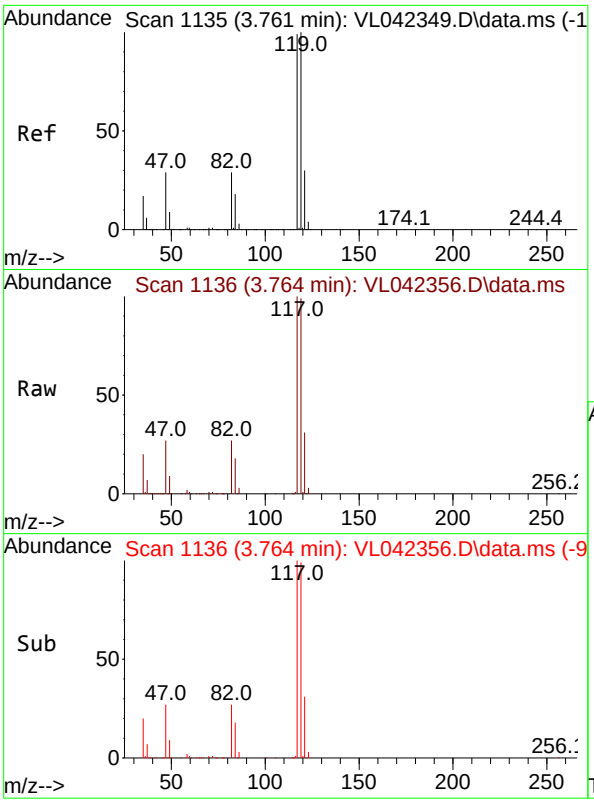


#34
2-Butanone
Concen: 9.700 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 248969

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.2	27.2



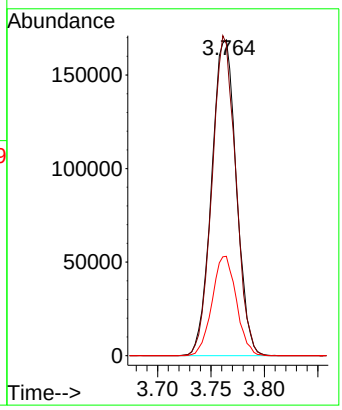


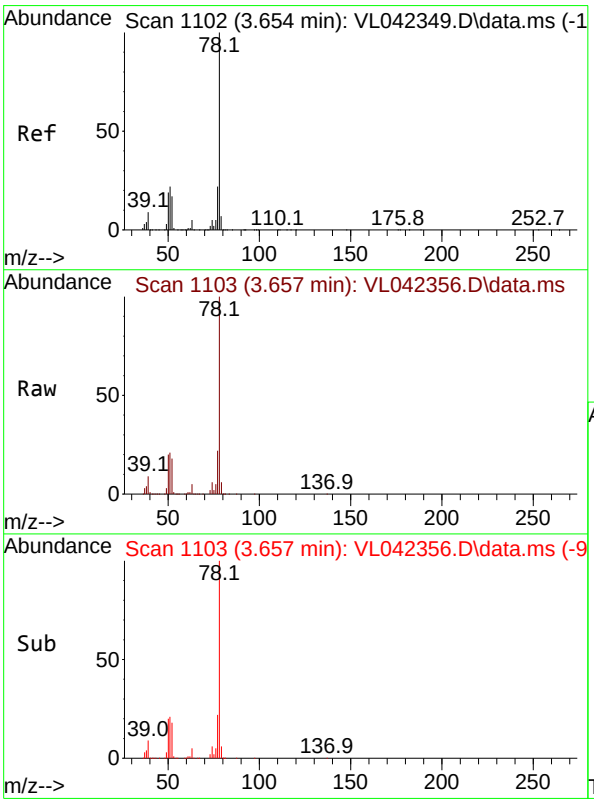
#35
Carbon Tetrachloride
Concen: 9.256 ppbv
RT: 3.764 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:117 Resp: 271862

Ion	Ratio	Lower	Upper
117	100		
119	98.7	80.5	120.7
121	31.5	24.2	36.2

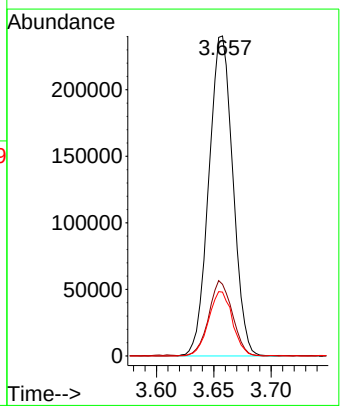


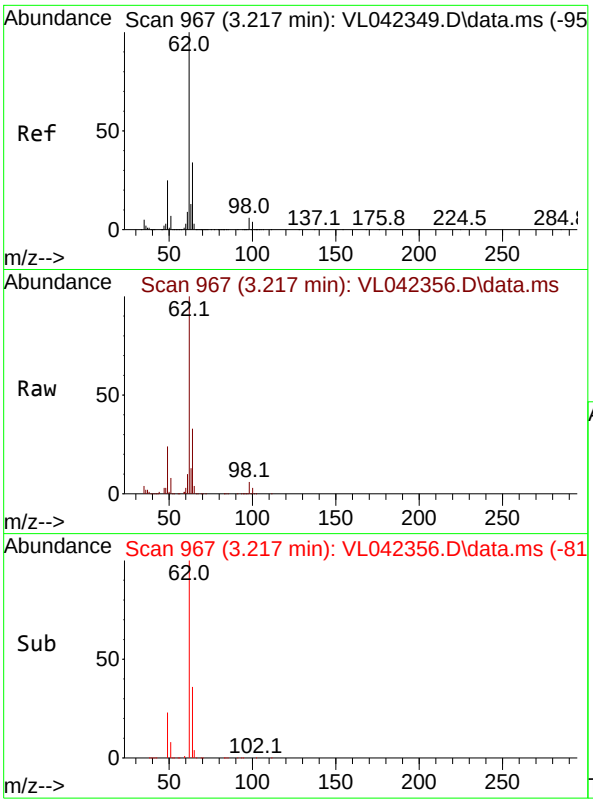


#36
Benzene
Concen: 10.014 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 78 Resp: 350545

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.4	26.0
50	19.9	15.5	23.3



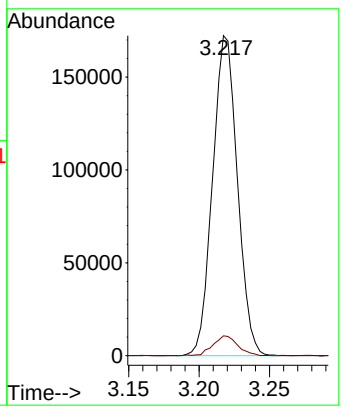


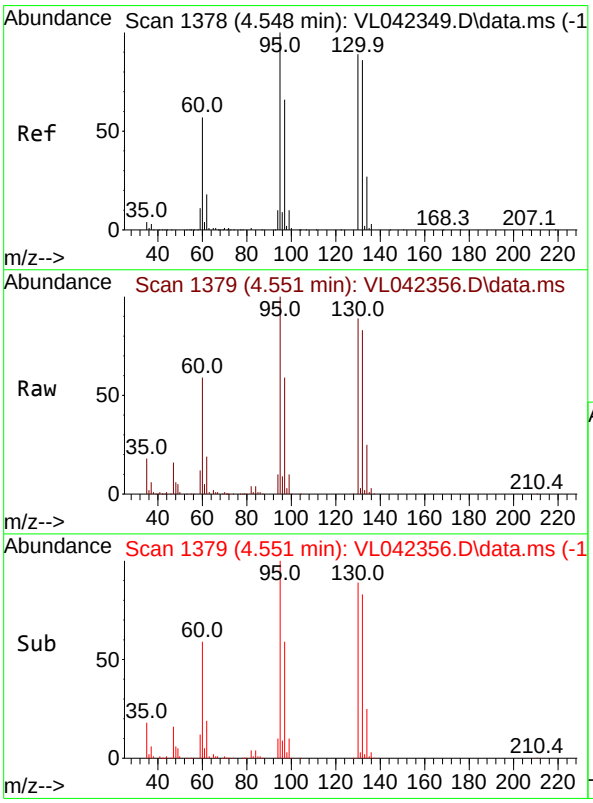
#37
1,2-Dichloroethane
Concen: 10.081 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 62 Resp: 211790

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.1	7.7

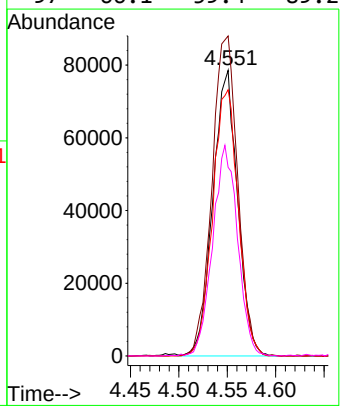


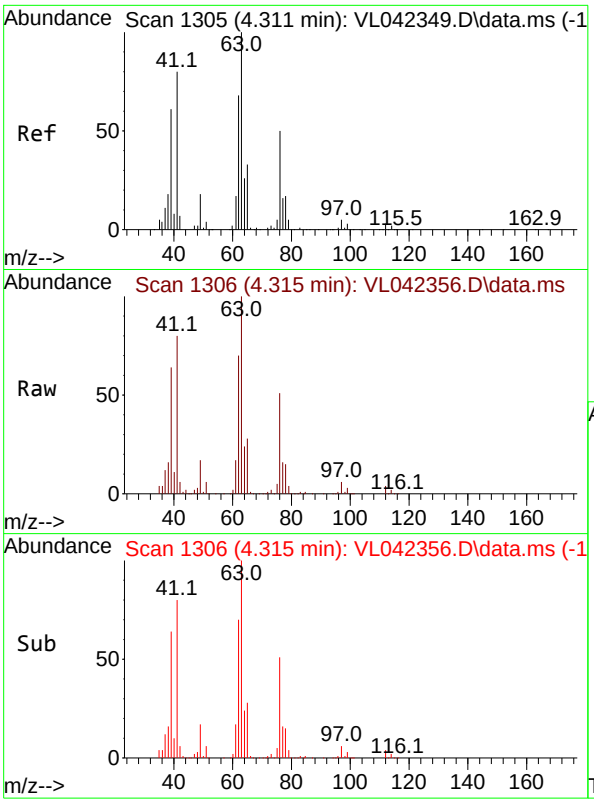


#38
Trichloroethene
Concen: 9.143 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:130 Resp: 139872

Ion	Ratio	Lower	Upper
130	100		
95	112.0	89.8	134.6
132	93.2	77.7	116.5
97	66.1	59.4	89.2



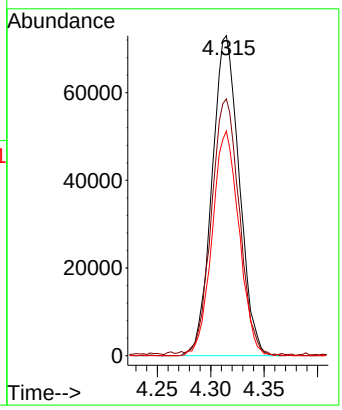


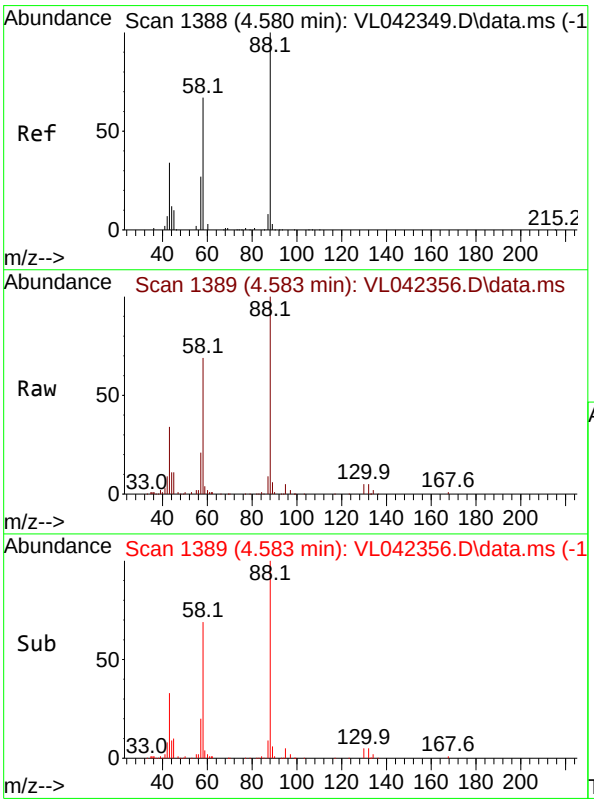
#39
1,2-Dichloropropane
Concen: 9.908 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 63 Resp: 129239

Ion	Ratio	Lower	Upper
63	100		
41	79.9	64.2	96.2
62	70.2	54.3	81.5

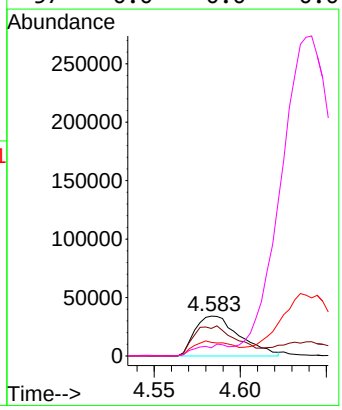


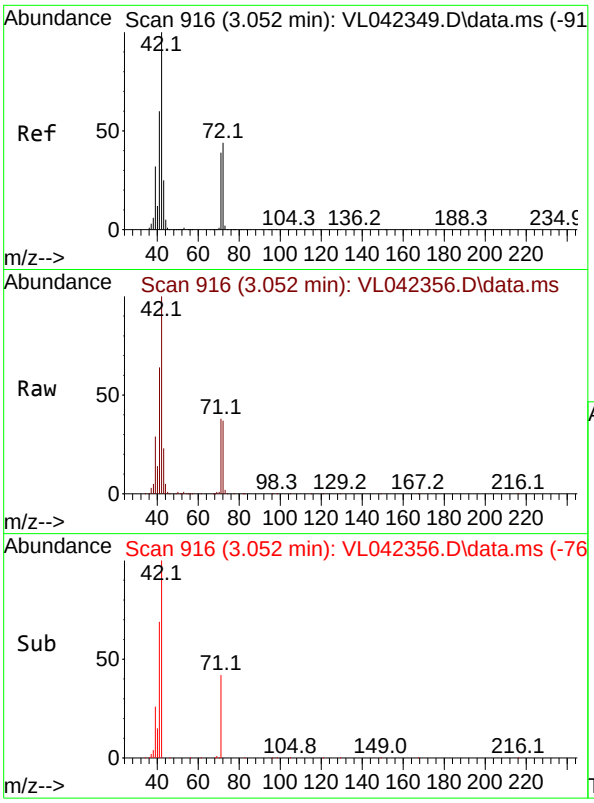


#40
1,4-Dioxane
Concen: 8.591 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 88 Resp: 61587

Ion	Ratio	Lower	Upper
88	100		
58	76.1	61.4	92.0
43	35.9	23.2	34.8#
57	0.0	0.0	0.0



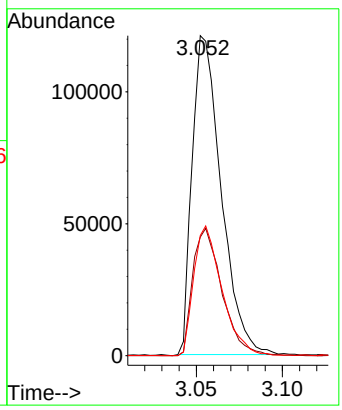


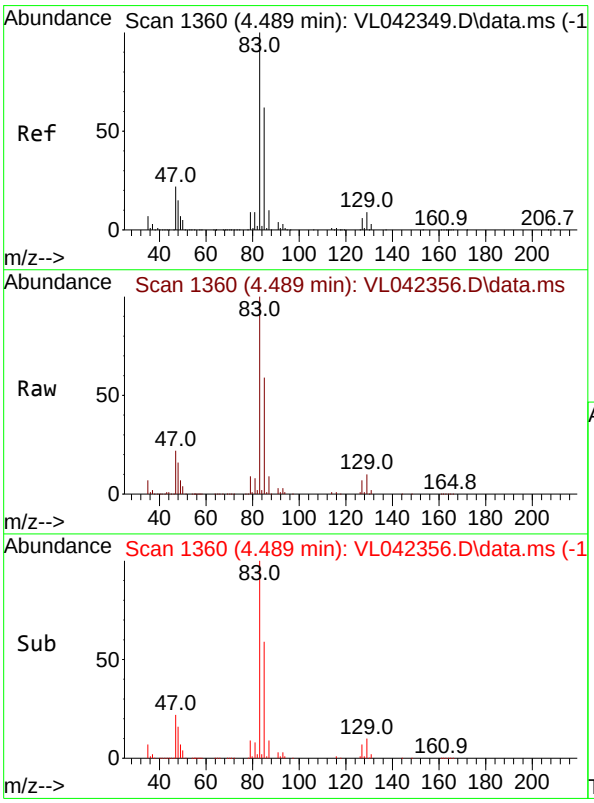
#41
Tetrahydrofuran
Concen: 9.479 ppbv
RT: 3.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 42 Resp: 141861

Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.3	48.5
71	39.8	31.4	47.2

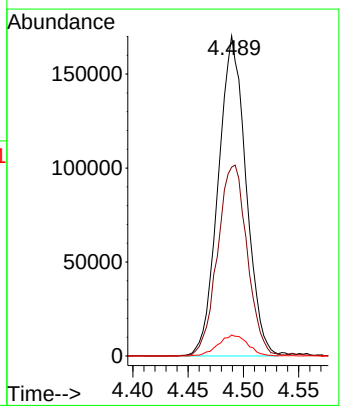


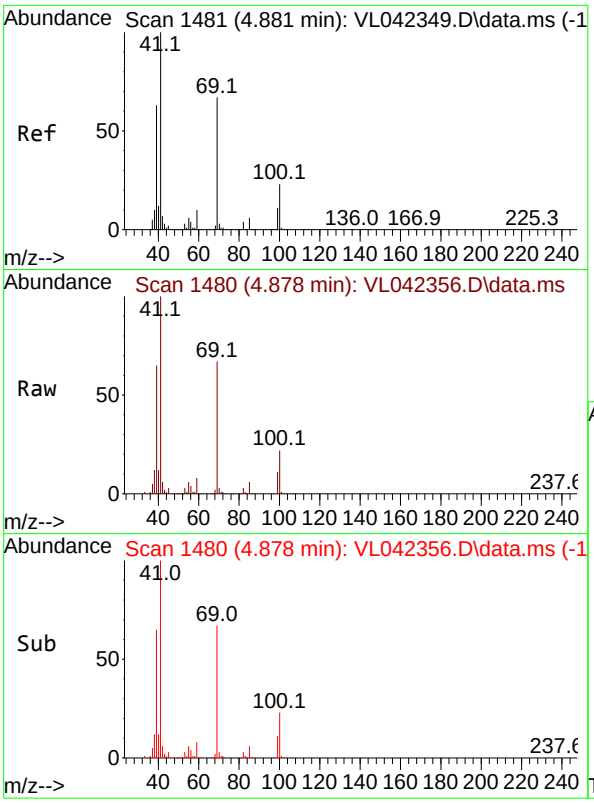


#42
Bromodichloromethane
Concen: 10.156 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 83 Resp: 296946

Ion	Ratio	Lower	Upper
83	100		
85	59.0	49.7	74.5
127	6.6	5.1	7.7



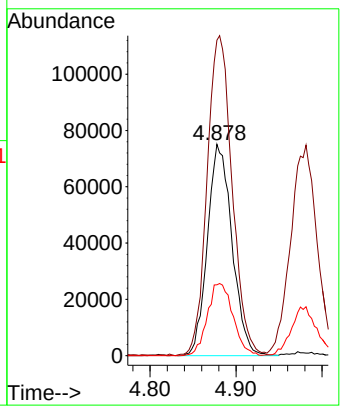


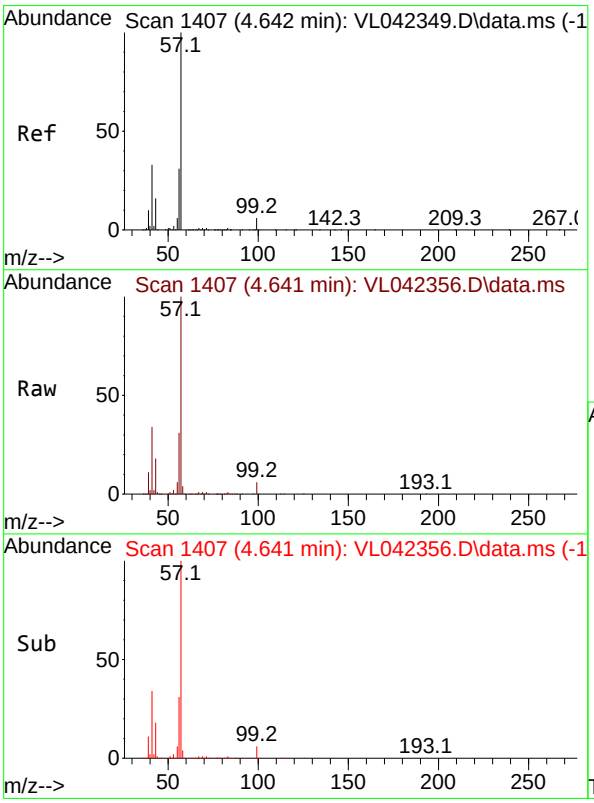
#43
Methyl Methacrylate
Concen: 9.458 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 69 Resp: 149209

Ion	Ratio	Lower	Upper
69	100		
41	154.1	118.6	177.8
100	35.5	28.2	42.2

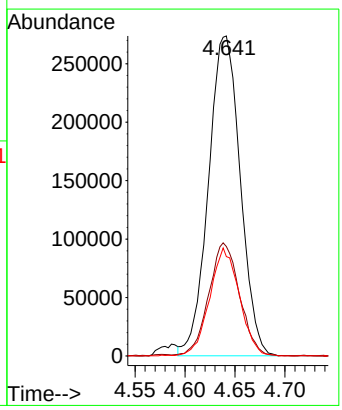


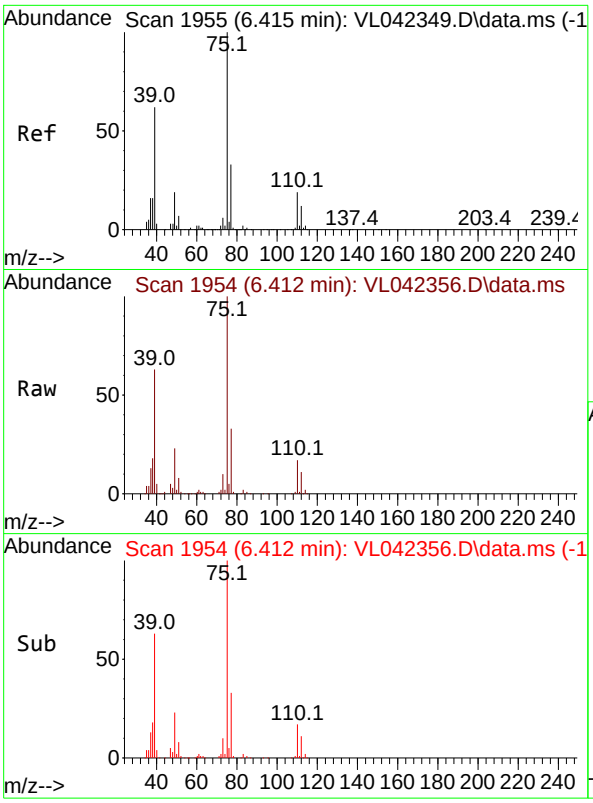


#44
2,2,4-Trimethylpentane
Concen: 10.030 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 57 Resp: 606376

Ion	Ratio	Lower	Upper
57	100		
41	34.3	27.2	40.8
56	31.6	25.7	38.5



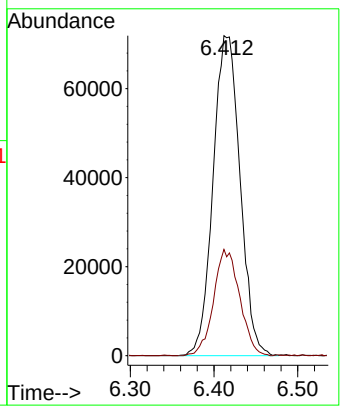


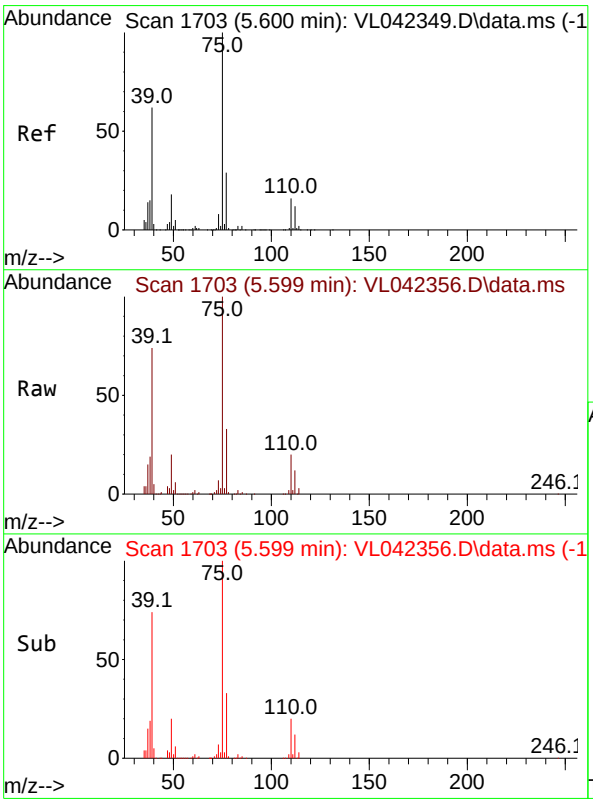
#45
t-1,3-Dichloropropene
Concen: 9.975 ppbv
RT: 6.412 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 75 Resp: 160750

Ion	Ratio	Lower	Upper
75	100		
77	33.2	27.0	40.6

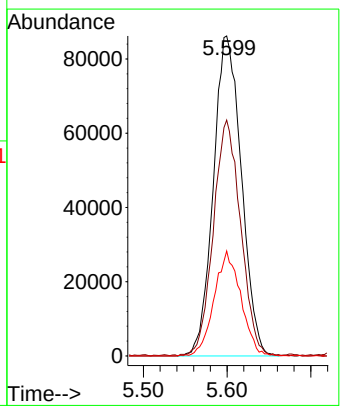


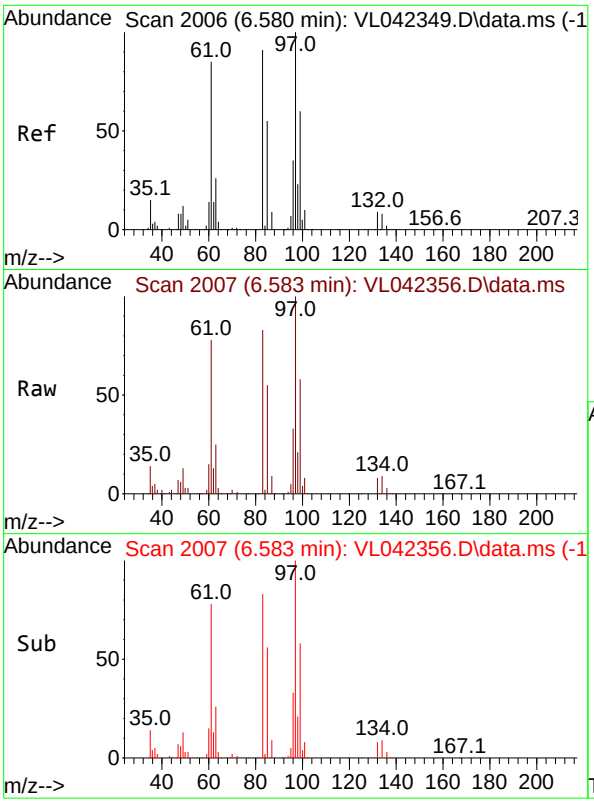


#46
cis-1,3-Dichloropropene
Concen: 10.148 ppbv
RT: 5.599 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 75 Resp: 200144

Ion	Ratio	Lower	Upper
75	100		
39	73.7	50.0	75.0
77	32.7	23.0	34.6



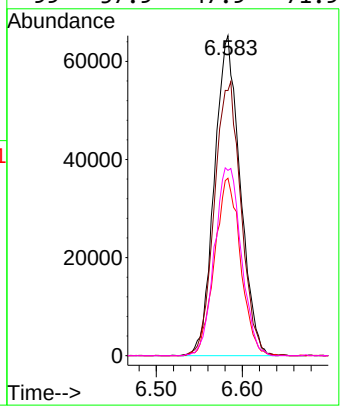


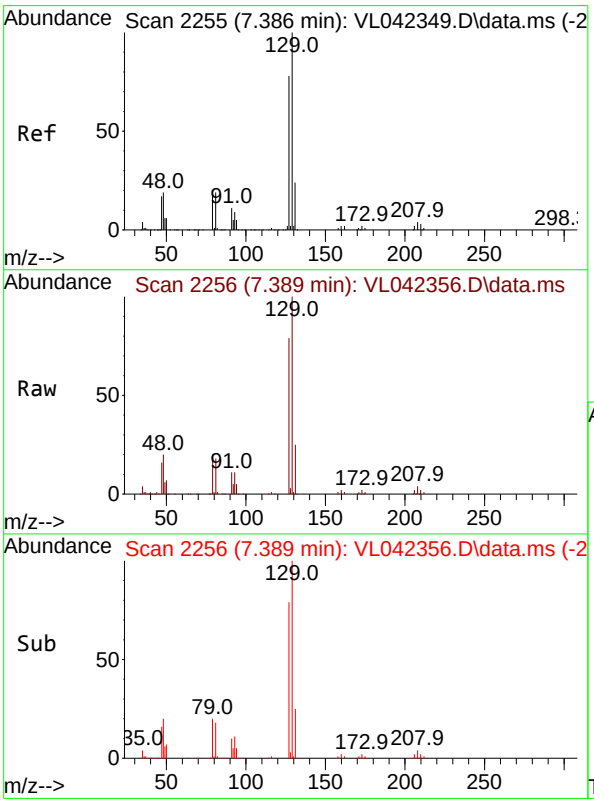
#47
1,1,2-Trichloroethane
Concen: 10.202 ppbv
RT: 6.583 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 97 Resp: 135575

Ion	Ratio	Lower	Upper
97	100		
83	82.8	72.8	109.2
85	55.5	44.2	66.4
99	57.9	47.9	71.9

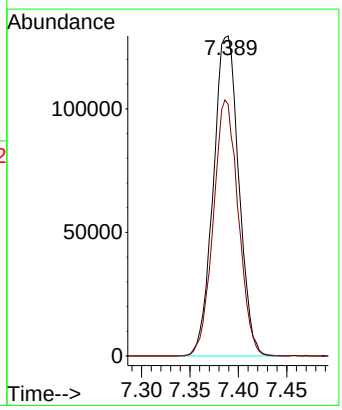


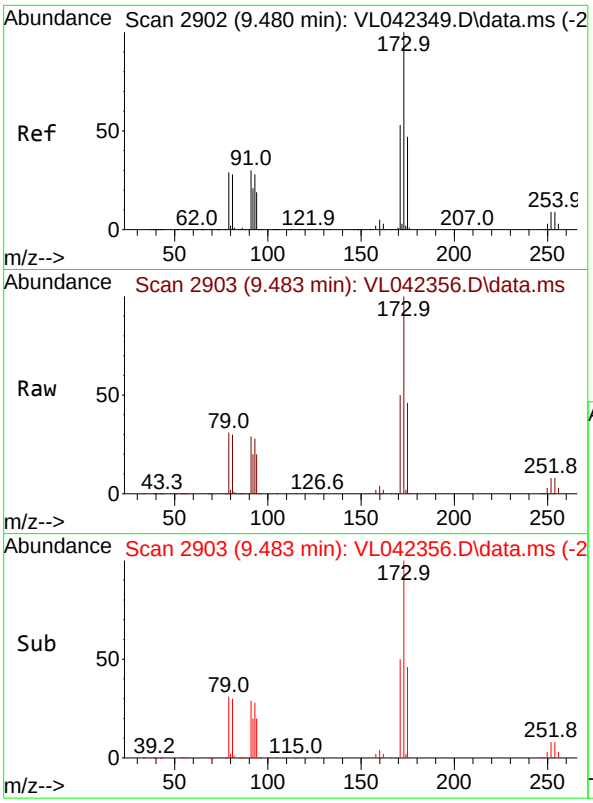


#48
Dibromochloromethane
Concen: 10.103 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:129 Resp: 237206

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3



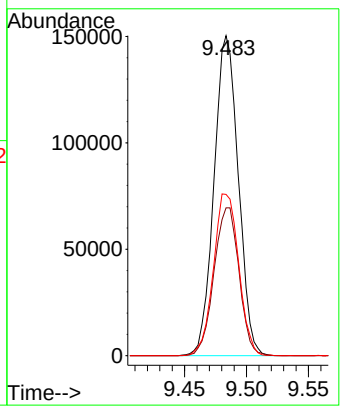


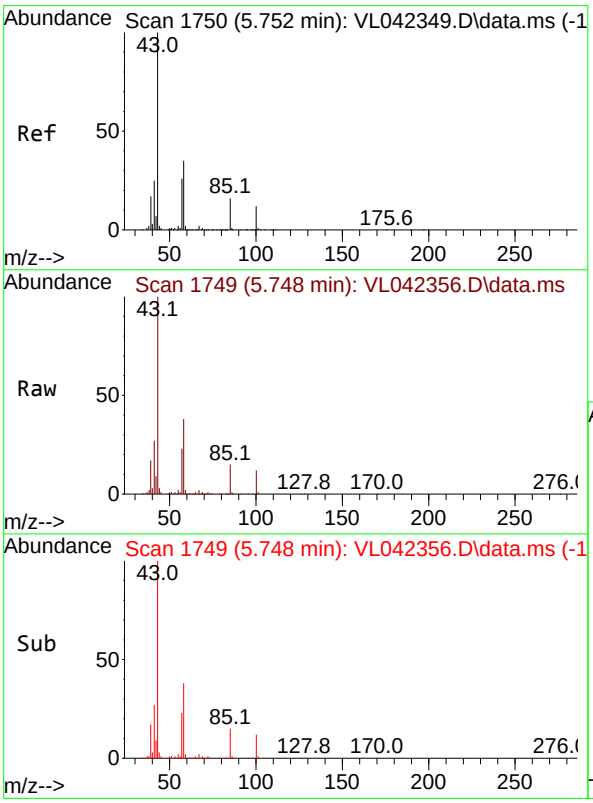
#49
Bromoform
Concen: 10.016 ppbv
RT: 9.483 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:173 Resp: 205630

Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.2	57.2
171	52.5	40.9	61.3

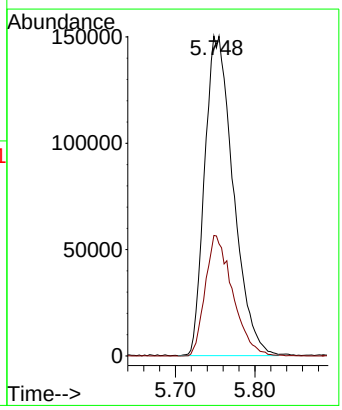


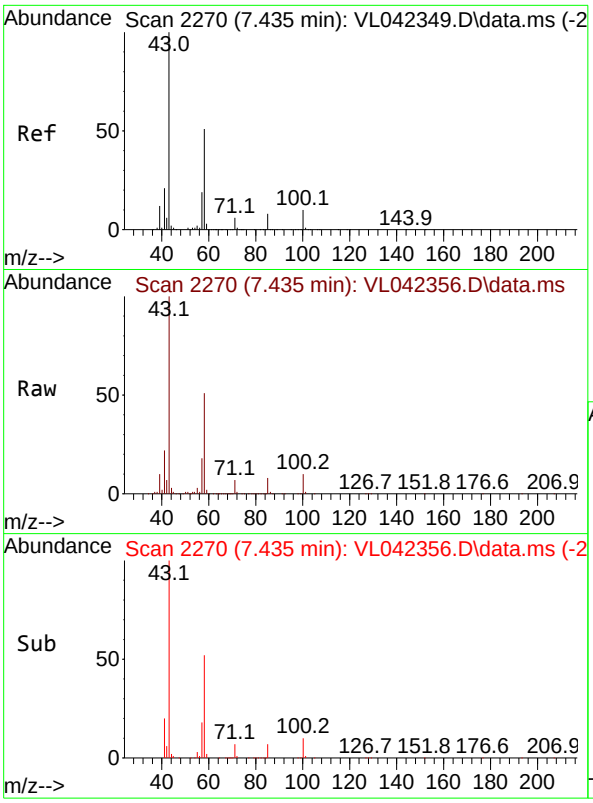


#50
4-Methyl-2-Pentanone
Concen: 8.819 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 43 Resp: 376145

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.6	43.0



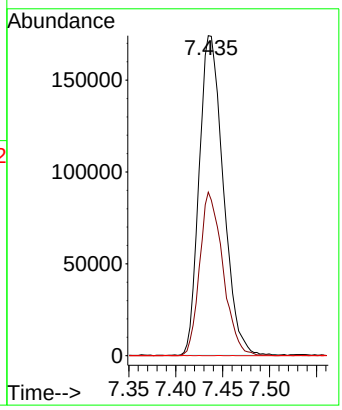


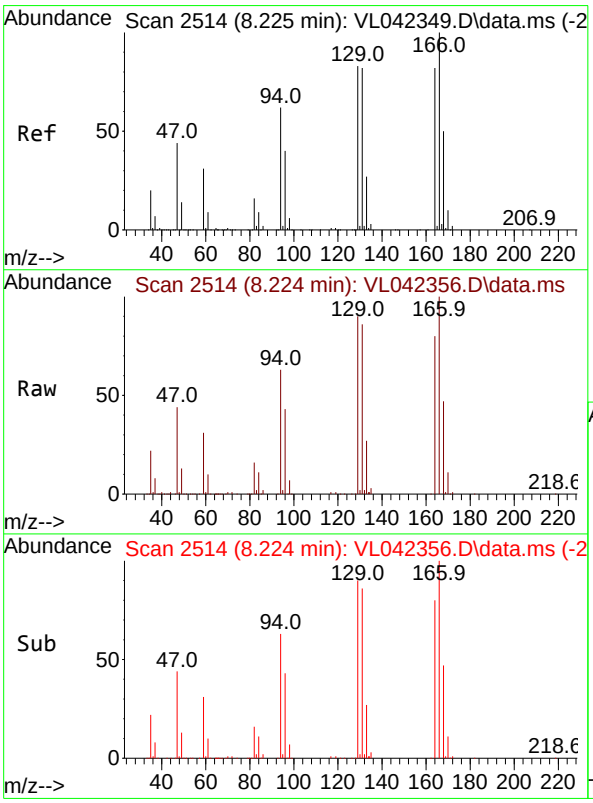
#51
2-Hexanone
Concen: 8.118 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 43 Resp: 310521

Ion	Ratio	Lower	Upper
43	100		
58	49.3	40.2	60.4
98	0.0	0.1	0.1#

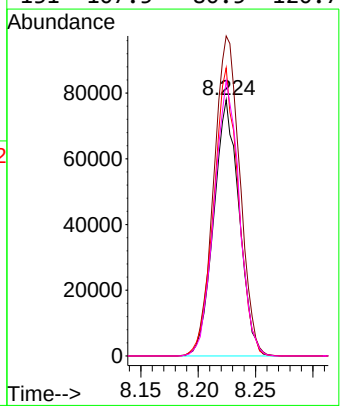


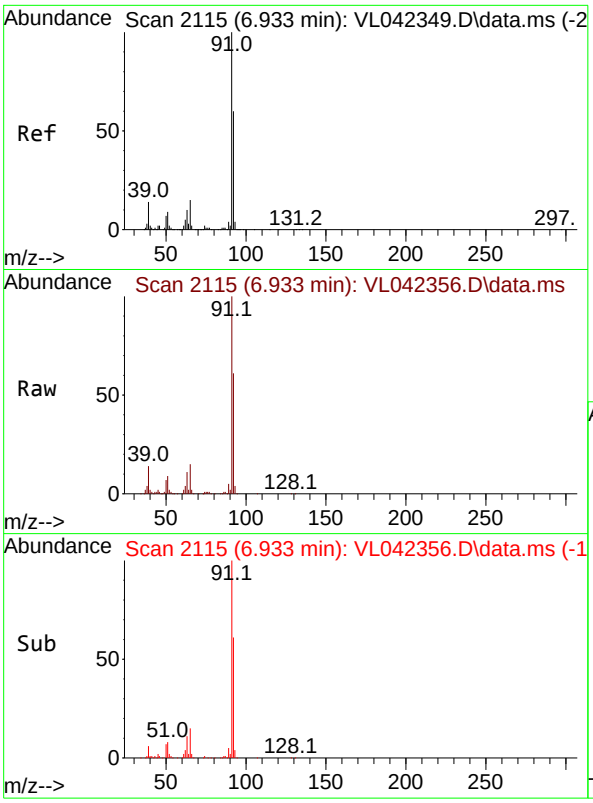


#52
Tetrachloroethene
Concen: 8.827 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:164 Resp: 119424

Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.2	147.2
129	112.5	81.8	122.8
131	107.5	80.5	120.7



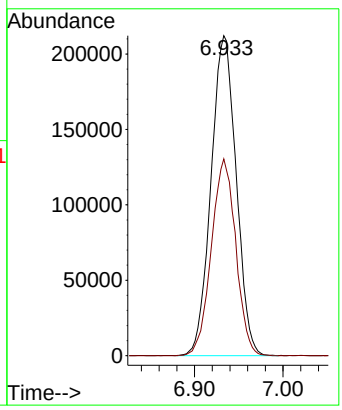


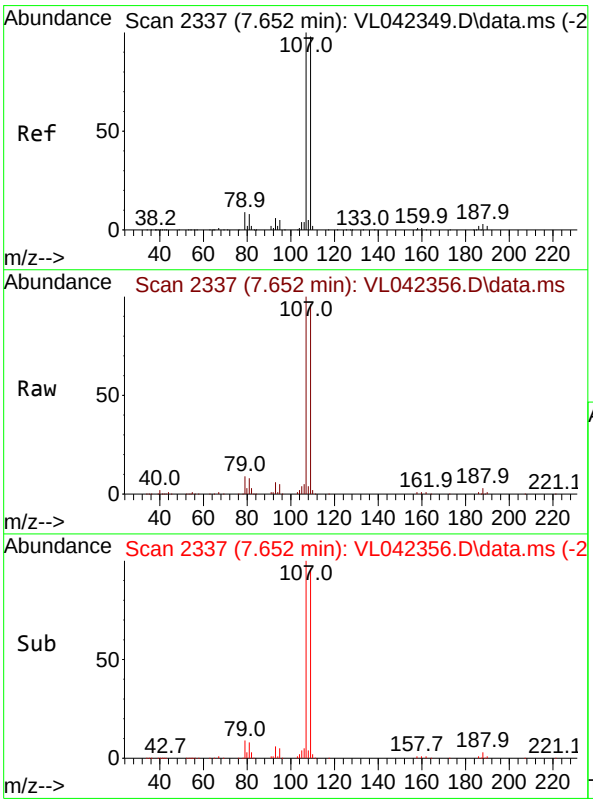
#53
Toluene
Concen: 9.986 ppbv
RT: 6.933 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 91 Resp: 419462

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4

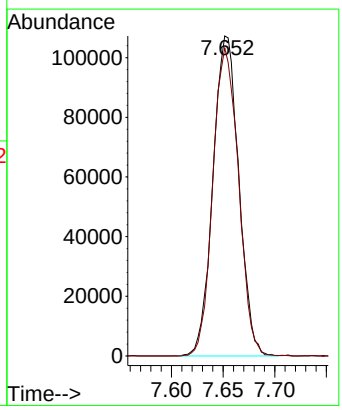


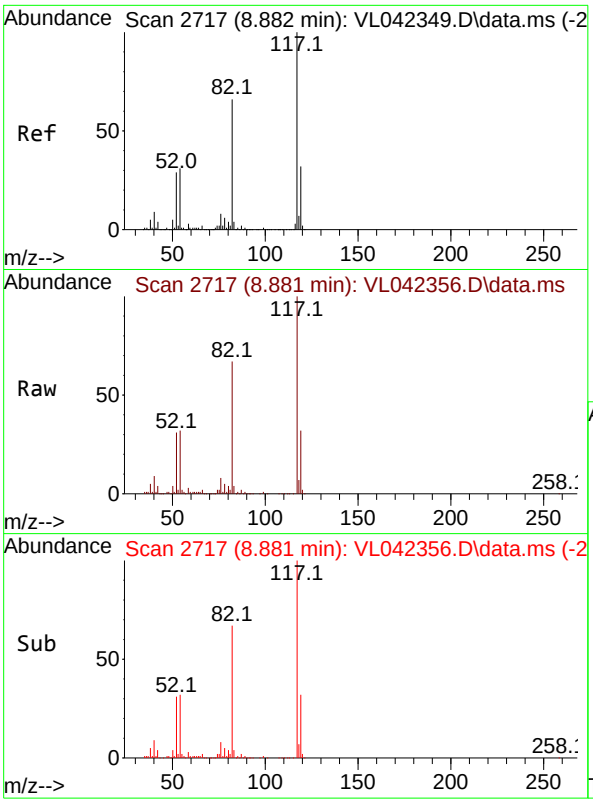


#54
1,2-Dibromoethane
Concen: 9.792 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:107 Resp: 186231

Ion	Ratio	Lower	Upper
107	100		
109	96.3	78.2	117.4



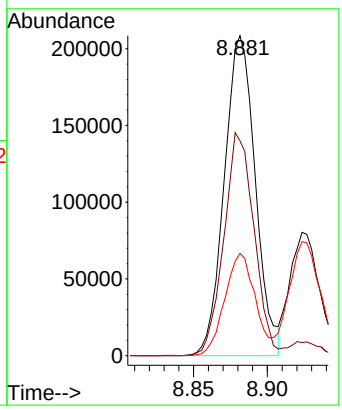


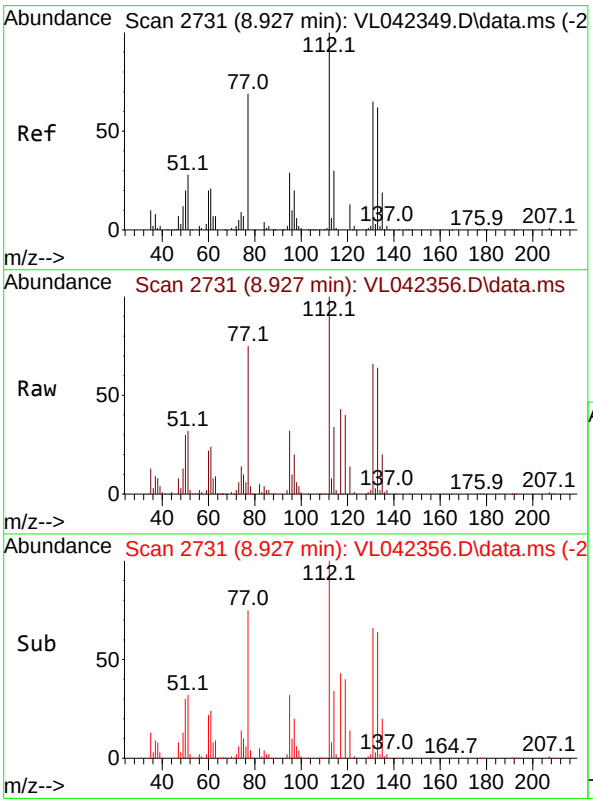
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:117 Resp: 305357

Ion	Ratio	Lower	Upper
117	100		
82	68.3	57.8	86.6
119	31.8	25.2	37.8

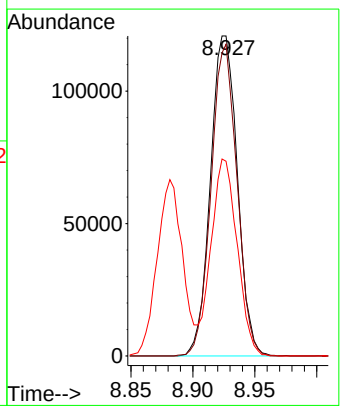


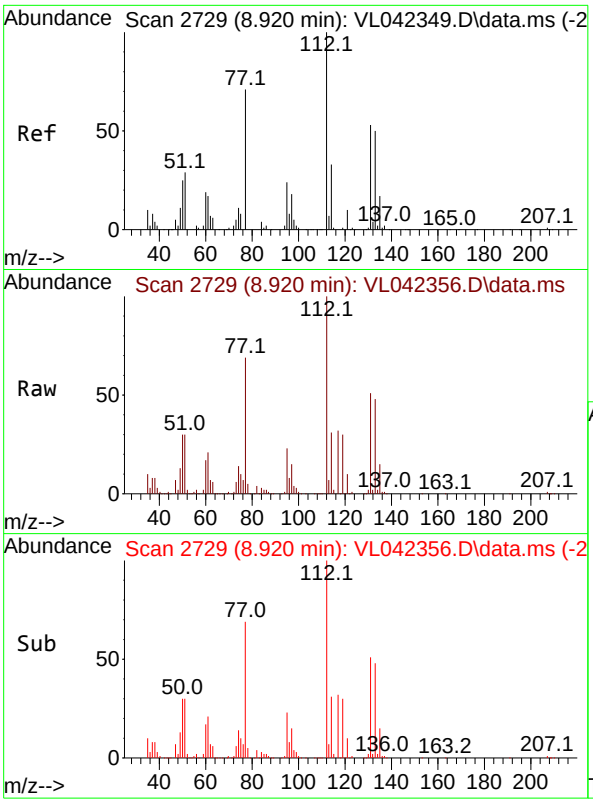


#56
1,1,1,2-Tetrachloroethane
Concen: 9.886 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:131 Resp: 182712

Ion	Ratio	Lower	Upper
131	100		
133	93.9	78.3	117.5
119	59.4	48.7	73.1



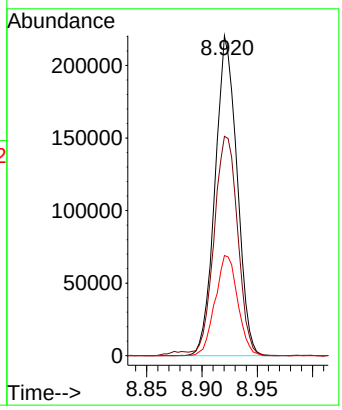


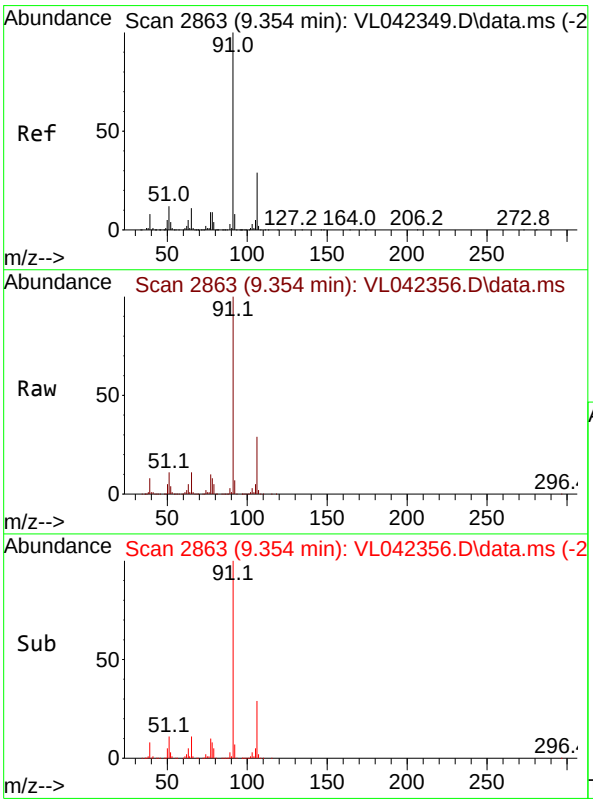
#57
Chlorobenzene
Concen: 9.589 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:112 Resp: 304533

Ion	Ratio	Lower	Upper
112	100		
77	68.5	57.8	86.6
114	31.3	29.3	35.9

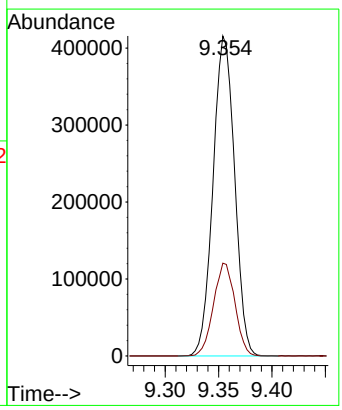


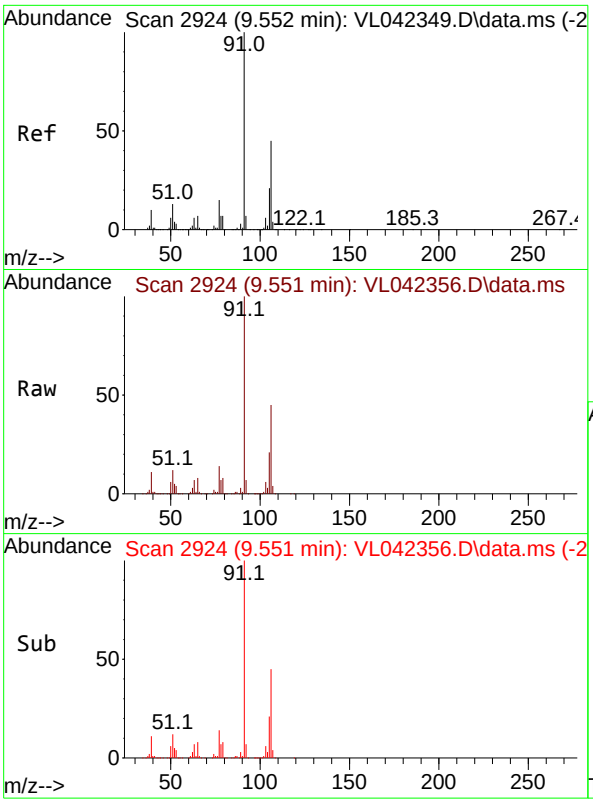


#58
Ethyl Benzene
Concen: 9.645 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 583515

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.0	34.4



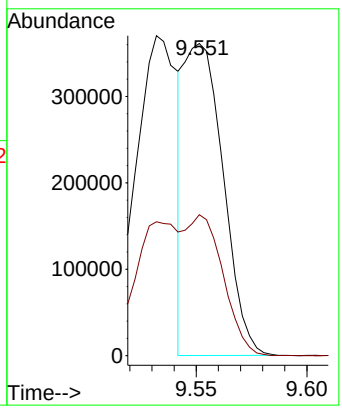


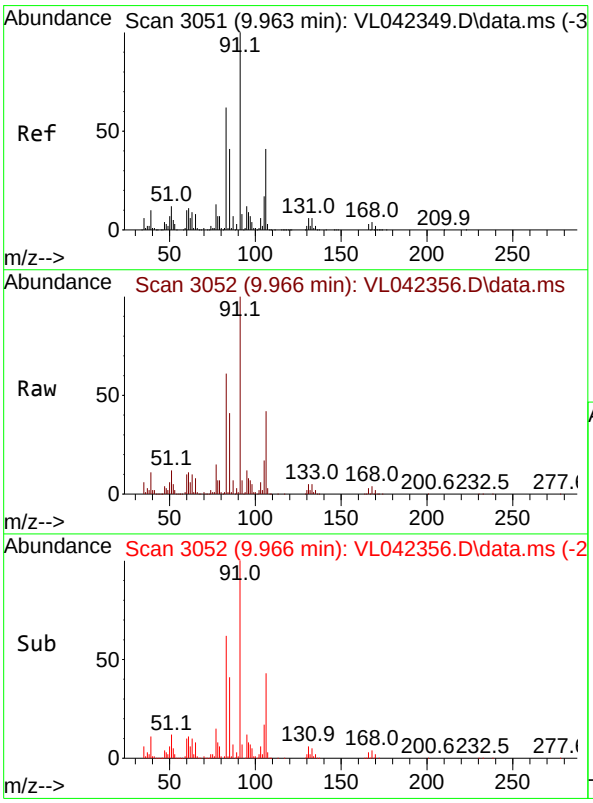
#59
m/p-Xylene
Concen: 9.084 ppbv
RT: 9.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 91 Resp: 442744

Ion	Ratio	Lower	Upper
91	100		
106	92.1	35.4	53.2#

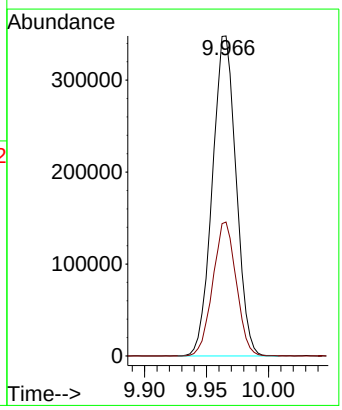


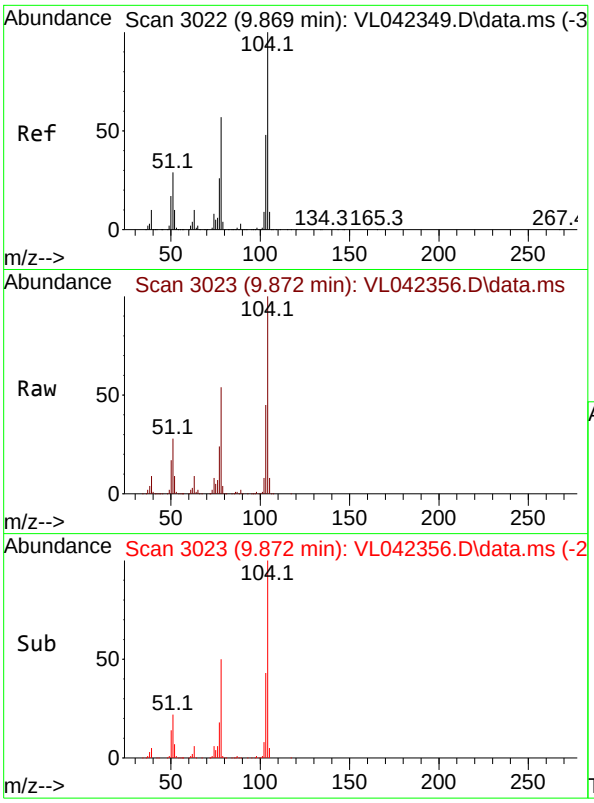


#60
o-Xylene
Concen: 9.465 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 464522

Ion	Ratio	Lower	Upper
91	100		
106	41.4	21.1	63.4



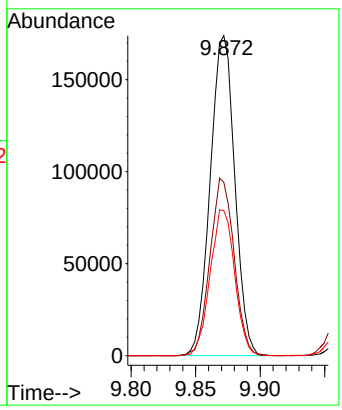


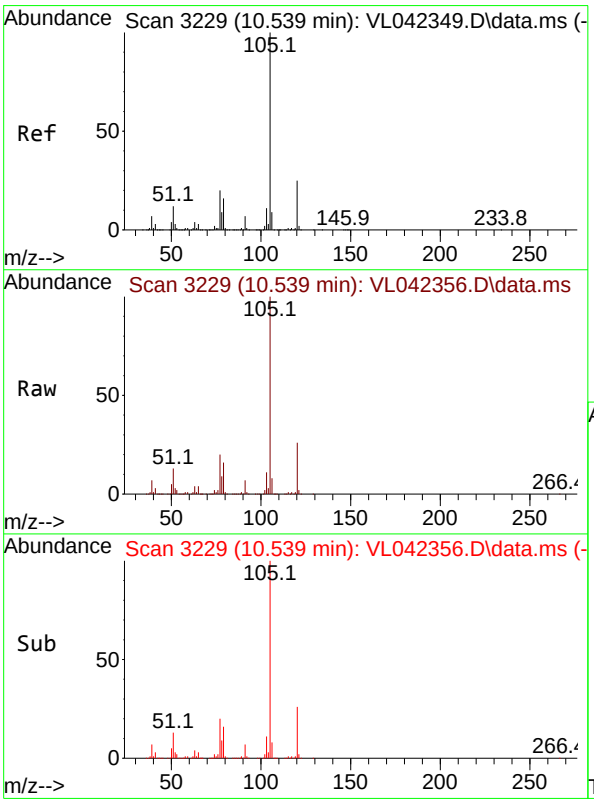
#61
Styrene
Concen: 9.813 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:104 Resp: 229869

Ion	Ratio	Lower	Upper
104	100		
78	54.5	44.6	66.8
103	45.7	37.4	56.0

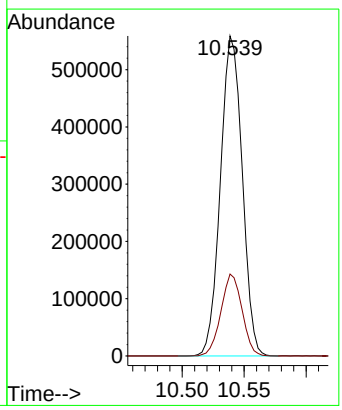


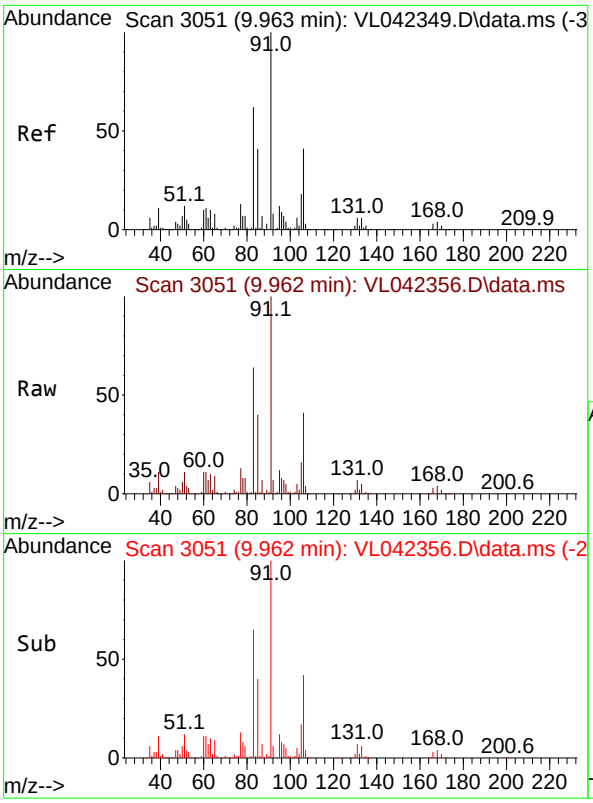


#62
Isopropylbenzene
Concen: 9.520 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 685965

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8



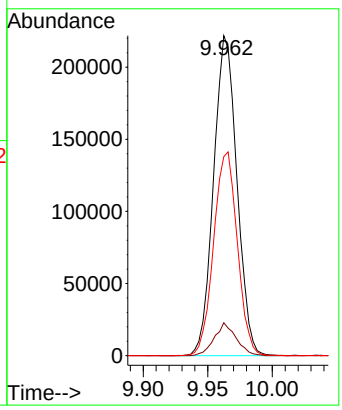


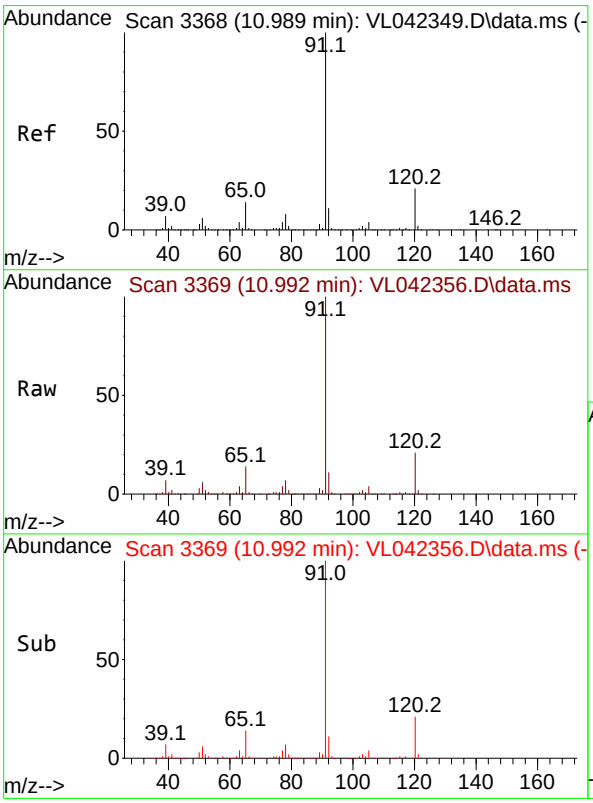
#63
1,1,2,2-Tetrachloroethane
Concen: 8.773 ppbv
RT: 9.962 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 83 Resp: 279007

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	64.6	32.4	97.0

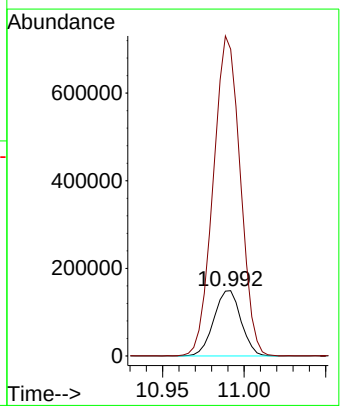


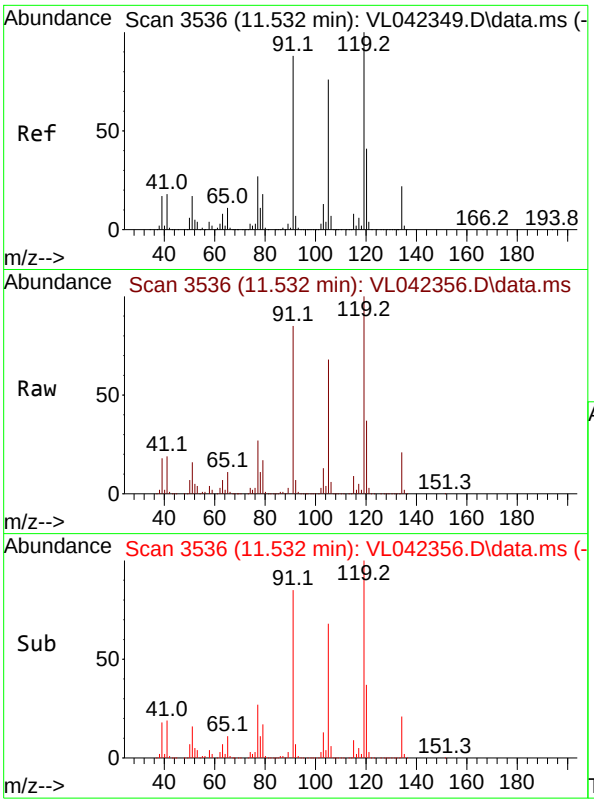


#64
n-propylbenzene
Concen: 9.533 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:120 Resp: 172654

Ion	Ratio	Lower	Upper
120	100		
91	487.7	392.4	588.6



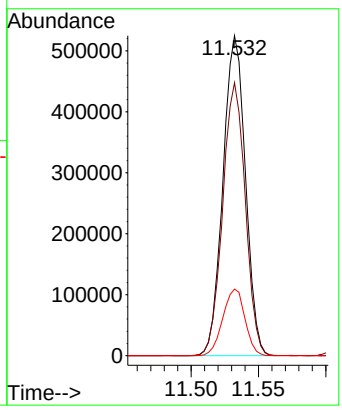


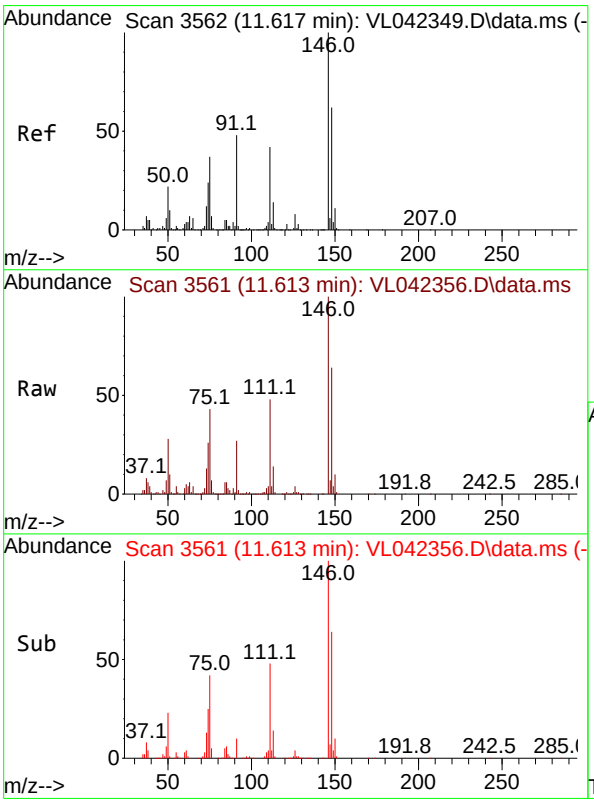
#65
tert-Butylbenzene
Concen: 9.203 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:119 Resp: 609500

Ion	Ratio	Lower	Upper
119	100		
91	85.8	74.6	111.8
134	20.5	18.8	28.2

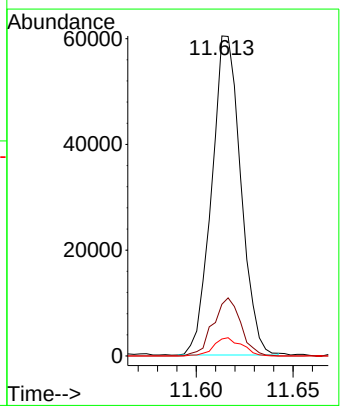


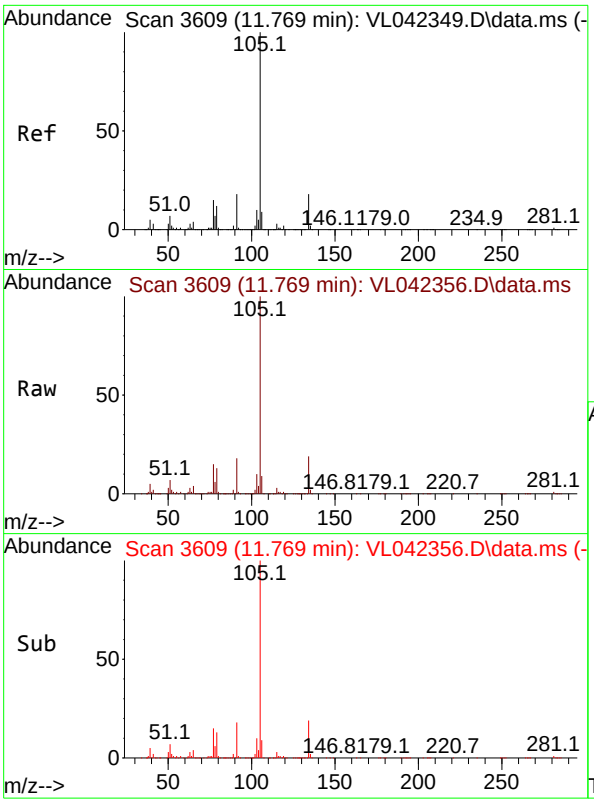


#66
Benzyl Chloride
Concen: 8.664 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 63051

Ion	Ratio	Lower	Upper
91	100		
126	17.3	11.8	17.6
128	5.6	4.5	6.7



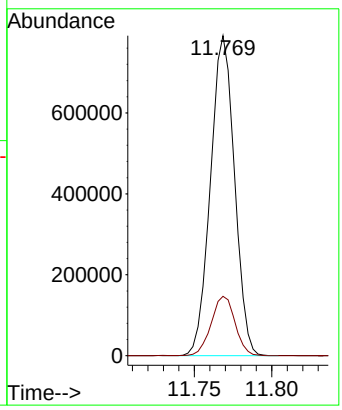


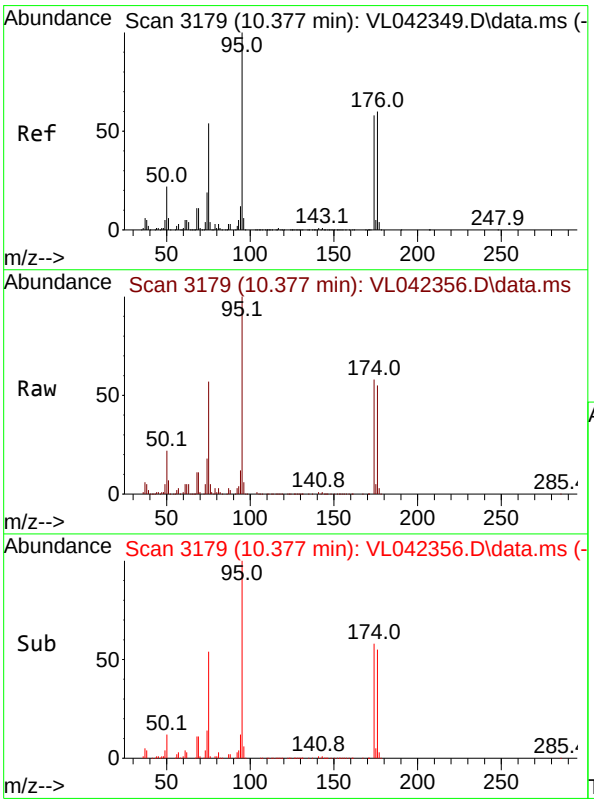
#67
sec-Butylbenzene
Concen: 9.268 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:105 Resp: 853807

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

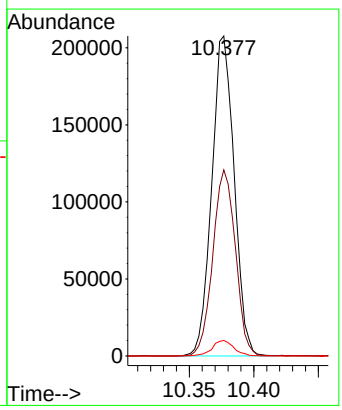


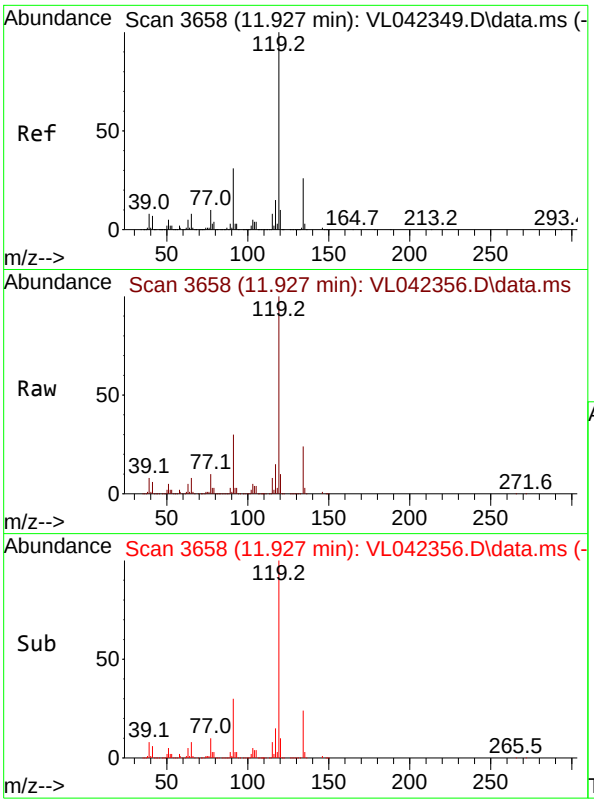


#68
1-Bromo-4-Fluorobenzene
Concen: 9.969 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 95 Resp: 250149

Ion	Ratio	Lower	Upper
95	100		
174	58.7	48.5	72.7
175	4.7	3.7	5.5



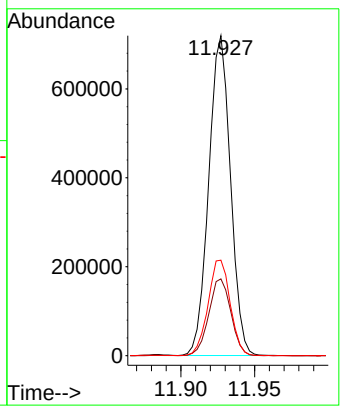


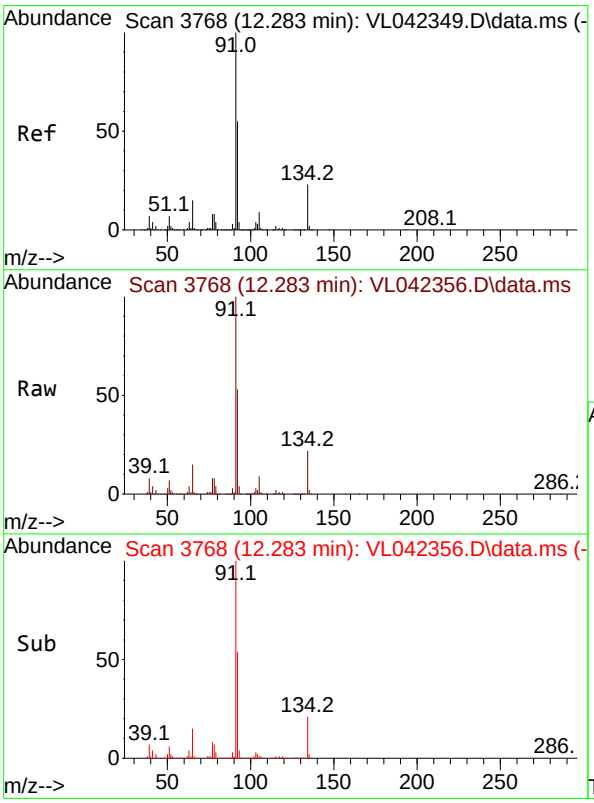
#69
p-Isopropyltoluene
Concen: 9.220 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:119 Resp: 737861

Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.0	30.0
91	30.6	24.4	36.6

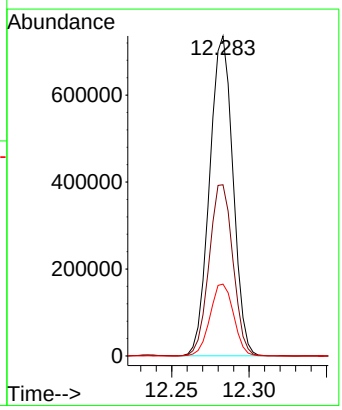


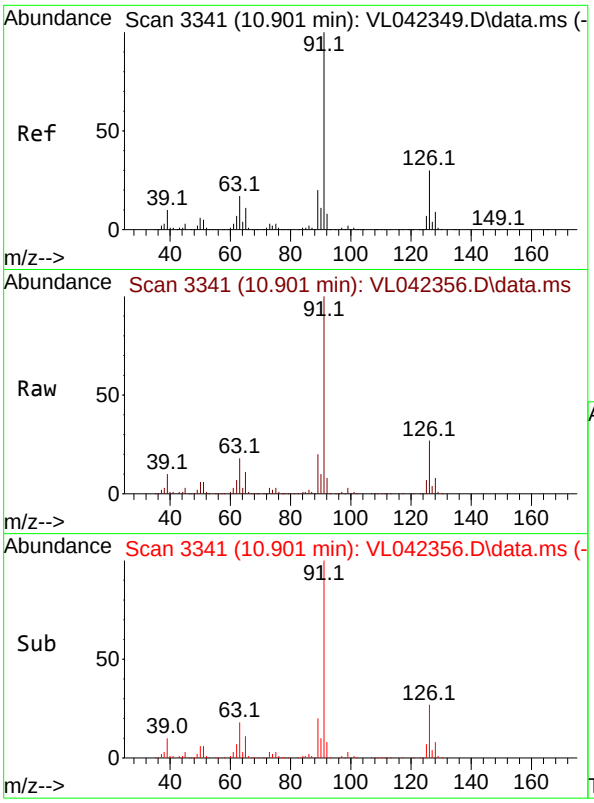


#70
n-Butylbenzene
Concen: 9.255 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion: 91 Resp: 771461

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.2	66.4
134	22.7	18.2	27.4



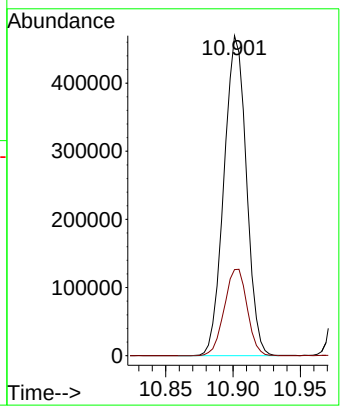


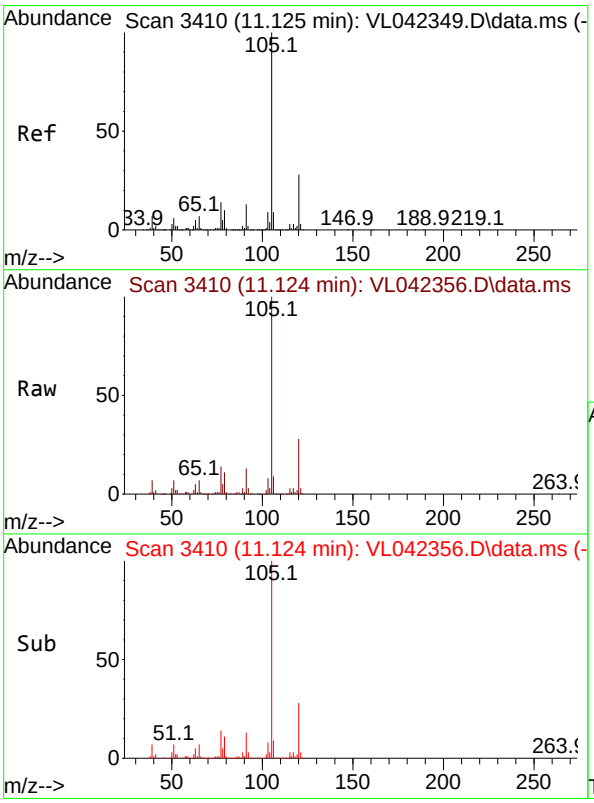
#71
2-Chlorotoluene
Concen: 9.622 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion: 91 Resp: 543794

Ion	Ratio	Lower	Upper
91	100		
126	27.5	11.4	45.4

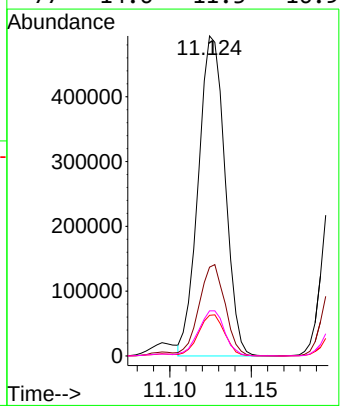


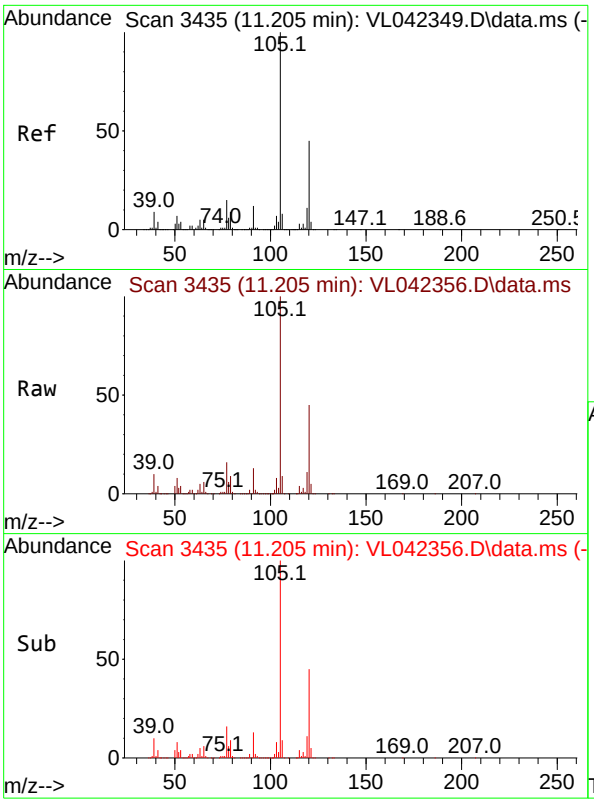


#72
4-Ethyltoluene
Concen: 9.385 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 563136

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.2	34.8
91	13.2	10.4	15.6
77	14.6	11.3	16.9



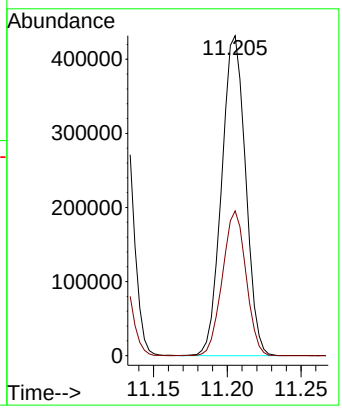


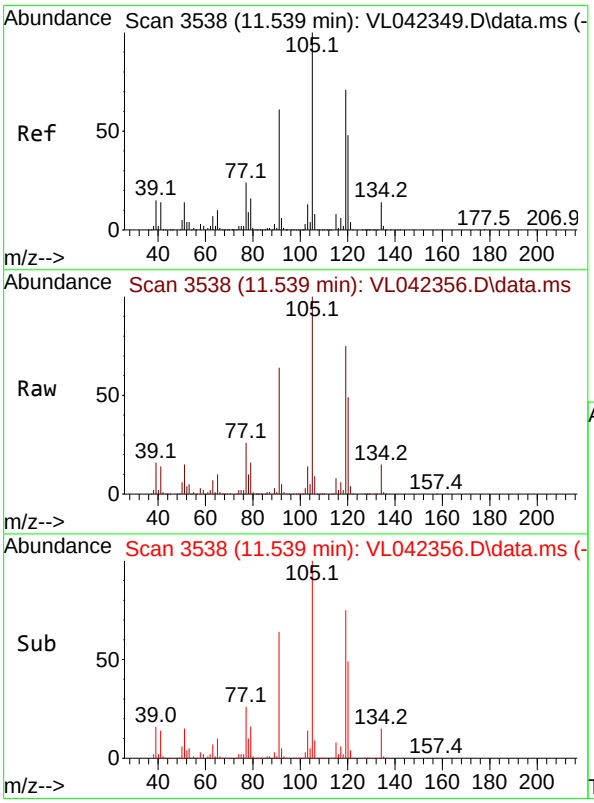
#73
1,3,5-Trimethylbenzene
Concen: 9.186 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:105 Resp: 486583

Ion	Ratio	Lower	Upper
105	100		
120	45.2	35.6	53.4

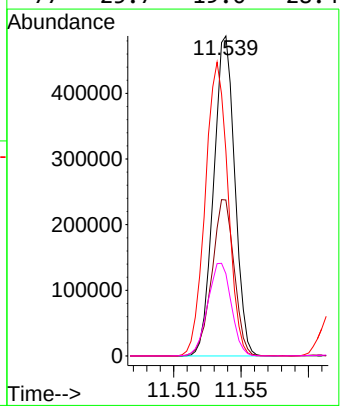


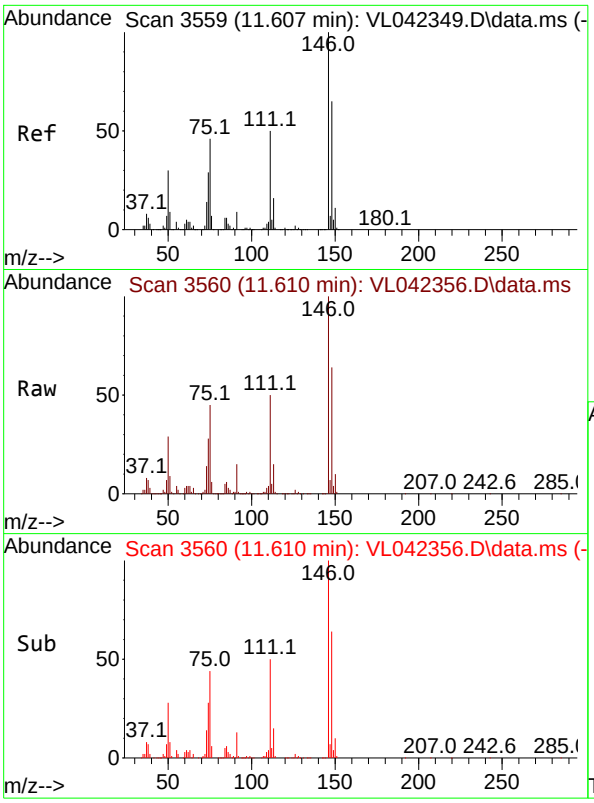


#74
1,2,4-Trimethylbenzene
Concen: 8.592 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:105 Resp: 531576

Ion	Ratio	Lower	Upper
105	100		
120	48.7	38.1	57.1
91	64.0	48.8	73.2
77	25.7	19.0	28.4



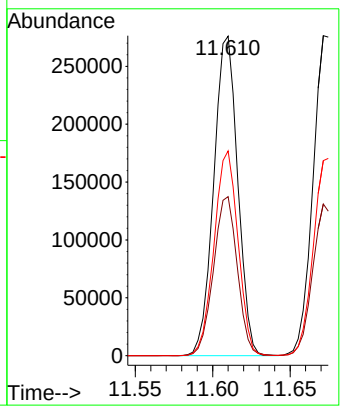


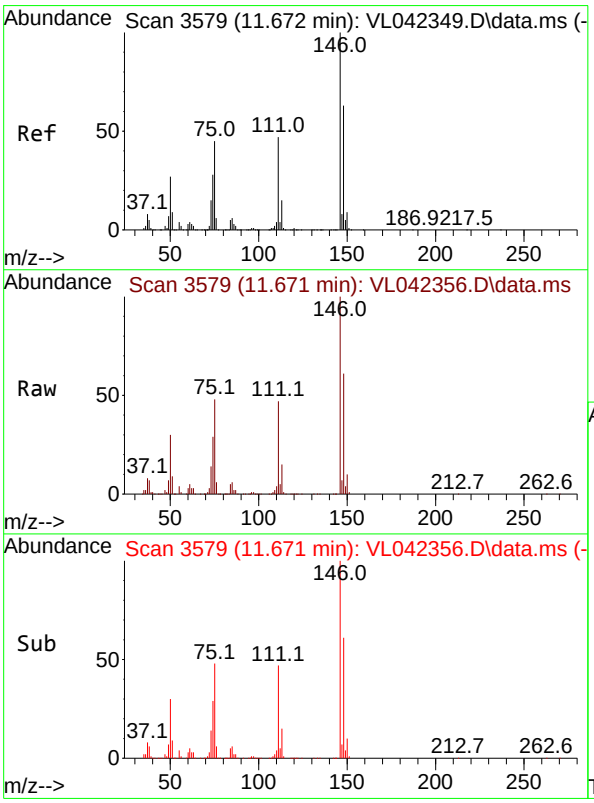
#75
1,3-Dichlorobenzene
Concen: 9.240 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:146 Resp: 297157

Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.3	72.8
148	64.1	31.6	94.8

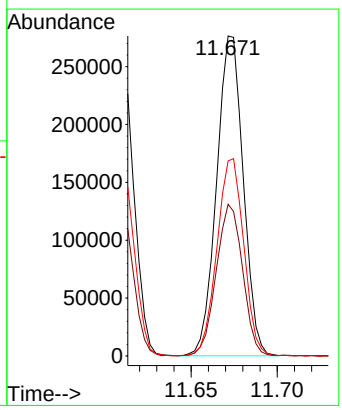


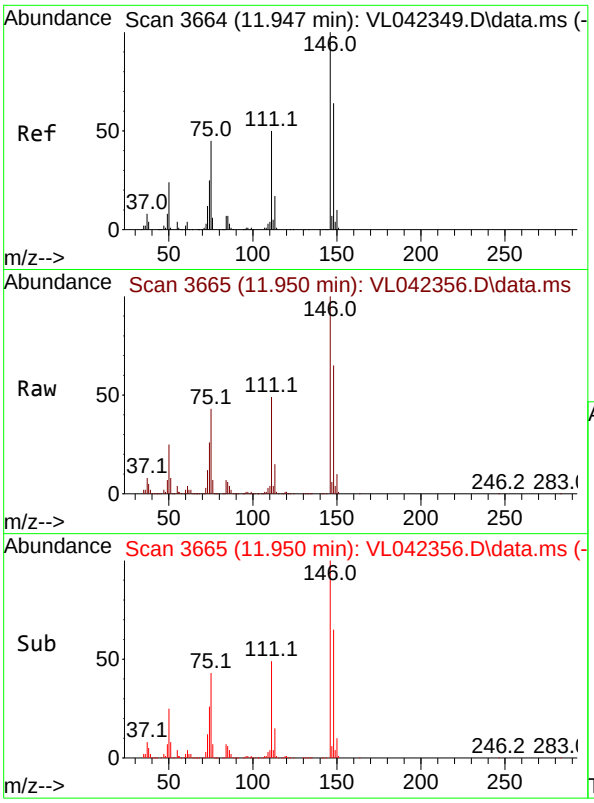


#76
1,4-Dichlorobenzene
Concen: 9.210 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:146 Resp: 297697

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.2	72.6
148	62.3	32.1	96.5



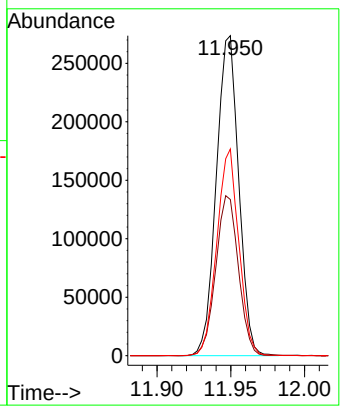


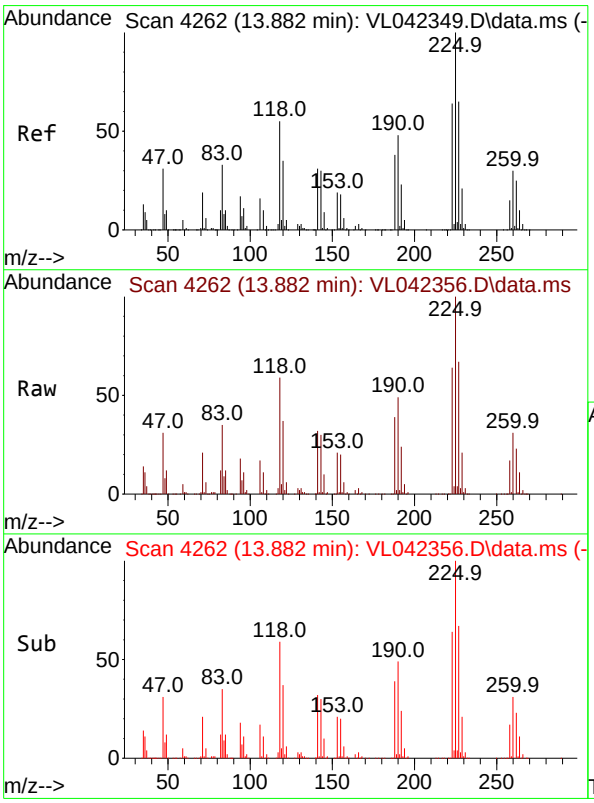
#77
1,2-Dichlorobenzene
Concen: 9.251 ppbv
RT: 11.950 min Scan# 3(
Delta R.T. 0.003 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:146 Resp: 289284

Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.3	75.9
148	63.4	31.5	94.5

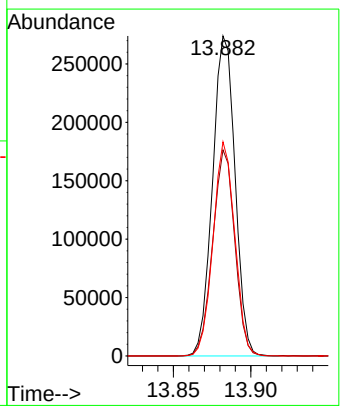


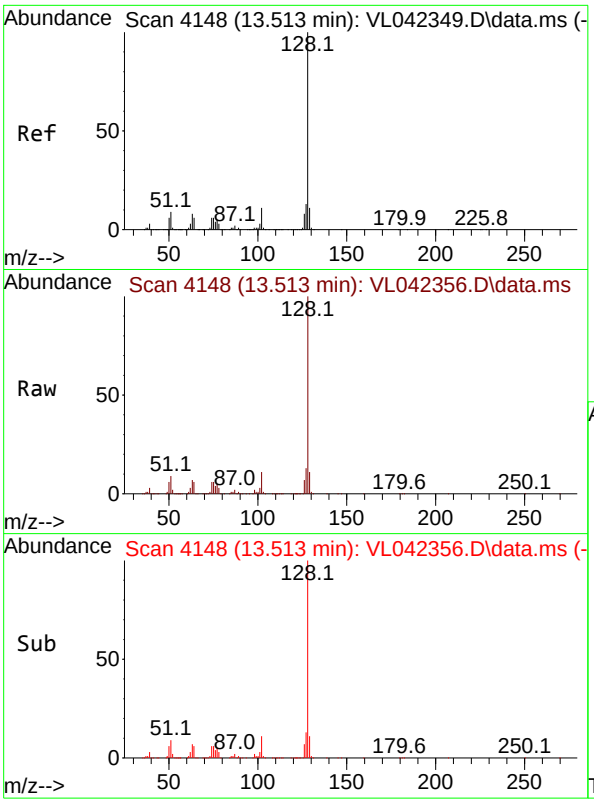


#78
Hexachloro-1,3-Butadiene
Concen: 8.771 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:225 Resp: 276960

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	64.5	51.5	77.3



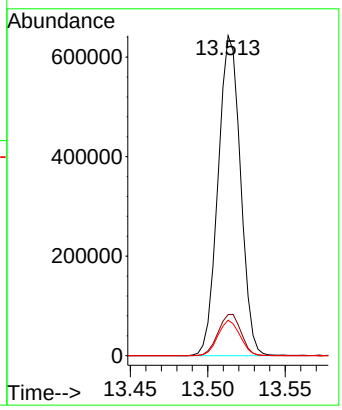


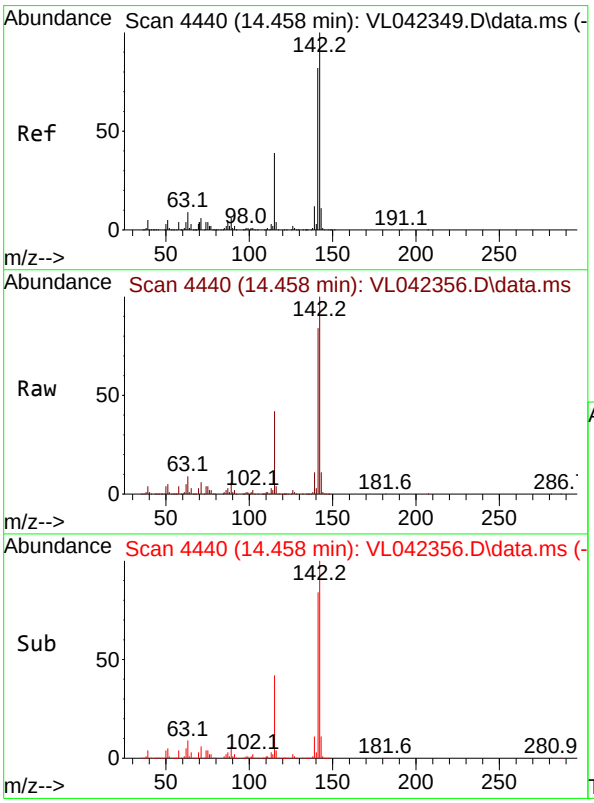
#79
Naphthalene
Concen: 8.750 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:128 Resp: 647349

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.1	8.6	12.8

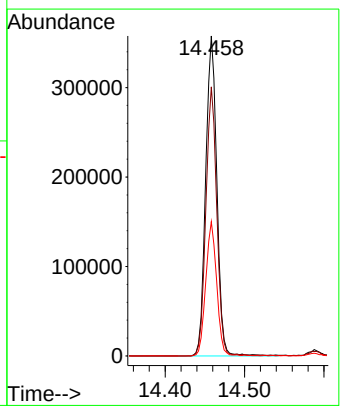


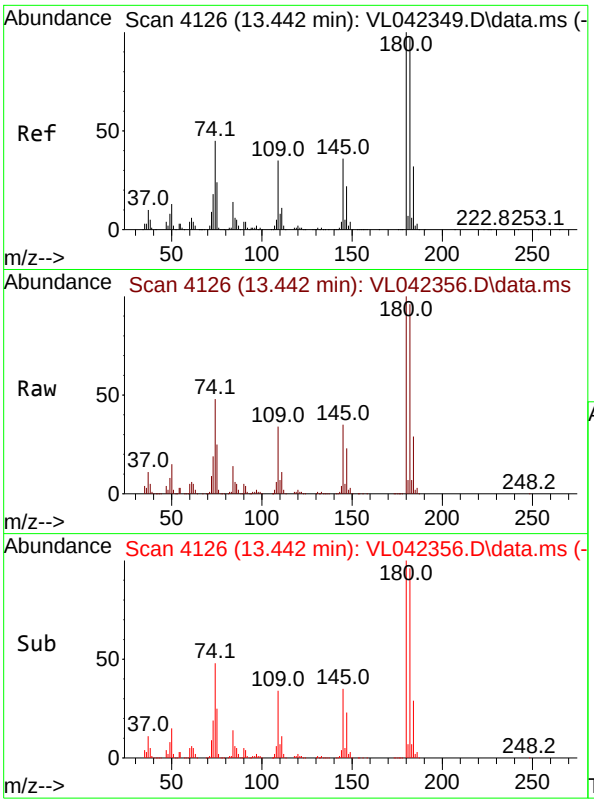


#80
Naphthalene,2-methyl-
Concen: 8.307 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Tgt Ion:142 Resp: 350259

Ion	Ratio	Lower	Upper
142	100		
141	83.0	66.8	100.2
115	41.4	33.4	50.2



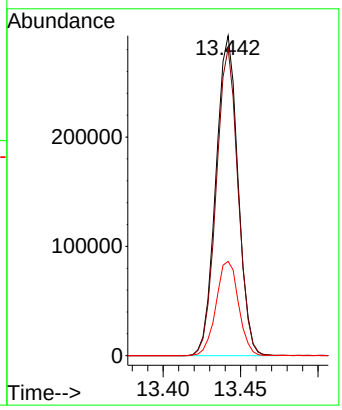


#81
1,2,4-Trichlorobenzene
Concen: 9.136 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042356.D
Acq: 17 Apr 2025 13:43

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041725

Tgt Ion:180 Resp: 290260

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
184	30.1	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	121989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	345031	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305240	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	264197	10.533	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	219089	10.165	ppbv	98
3) Chlorodifluoromethane	1.476	51	192111	9.360	ppbv	99
4) Chloromethane	1.531	50	85195	9.988	ppbv	98
5) Vinyl Chloride	1.580	62	82863	8.925	ppbv	100
6) Bromomethane	1.667	94	37396	9.376	ppbv	83
7) Chloroethane	1.703	64	32235	9.600	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	189174	10.223	ppbv	95
9) Propene	1.483	41	75996	8.131	ppbv	98
10) Heptane	4.975	43	205785	7.837	ppbv	98
11) Trichlorofluoromethane	1.874	101	210830	10.286	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	163109	9.733	ppbv	97
13) Ethanol	1.719	45	4612	3.104	ppbv	98
14) Bromoethene	1.780	108	63235	10.010	ppbv	97
15) Acetone	1.832	43	172207	8.623	ppbv	100
16) 1,3-Butadiene	1.609	39	84816	8.880	ppbv	98
17) tert-Butyl alcohol	2.039	59	226804	9.164	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73751	9.420	ppbv	96
19) Isopropyl Alcohol	1.884	45	101011	9.105	ppbv	93
20) Methylene Chloride	2.059	84	62506	7.992	ppbv	90
21) Allyl Chloride	2.094	41	125215	9.081	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	81589	9.153	ppbv	94
23) Vinyl Acetate	2.460	43	64907	8.030	ppbv	97
24) 1,1-Dichloroethane	2.405	63	163124	9.634	ppbv	99
25) Ethyl Acetate	2.835	43	425121	8.634	ppbv	99
26) Hexane	2.823	57	166789	8.370	ppbv	98
27) Carbon Disulfide	2.146	76	205605	9.637	ppbv	96
28) Methyl tert-Butyl Ether	2.437	73	116474	8.922	ppbv	93
29) Chloroform	2.845	83	280938	9.975	ppbv	99
30) Cyclohexane	3.852	84	142532	8.849	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	181514	9.581	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	301259	9.501	ppbv	99
34) 2-Butanone	2.554	43	241047	8.834	ppbv	99
35) Carbon Tetrachloride	3.758	117	305477	9.783	ppbv	96
36) Benzene	3.654	78	338736	9.102	ppbv	97
37) 1,2-Dichloroethane	3.214	62	235966	10.564	ppbv	97
38) Trichloroethene	4.541	130	136731	8.406	ppbv	95
39) 1,2-Dichloropropane	4.308	63	122213	8.813	ppbv	97
40) 1,4-Dioxane	4.577	88	58837	7.720	ppbv #	95
41) Tetrahydrofuran	3.052	42	133063	8.363	ppbv	99
42) Bromodichloromethane	4.483	83	310726	9.996	ppbv #	96
43) Methyl Methacrylate	4.878	69	138030	8.230	ppbv	94
44) 2,2,4-Trimethylpentane	4.635	57	562403	8.750	ppbv	96
45) t-1,3-Dichloropropene	6.409	75	157191	9.175	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

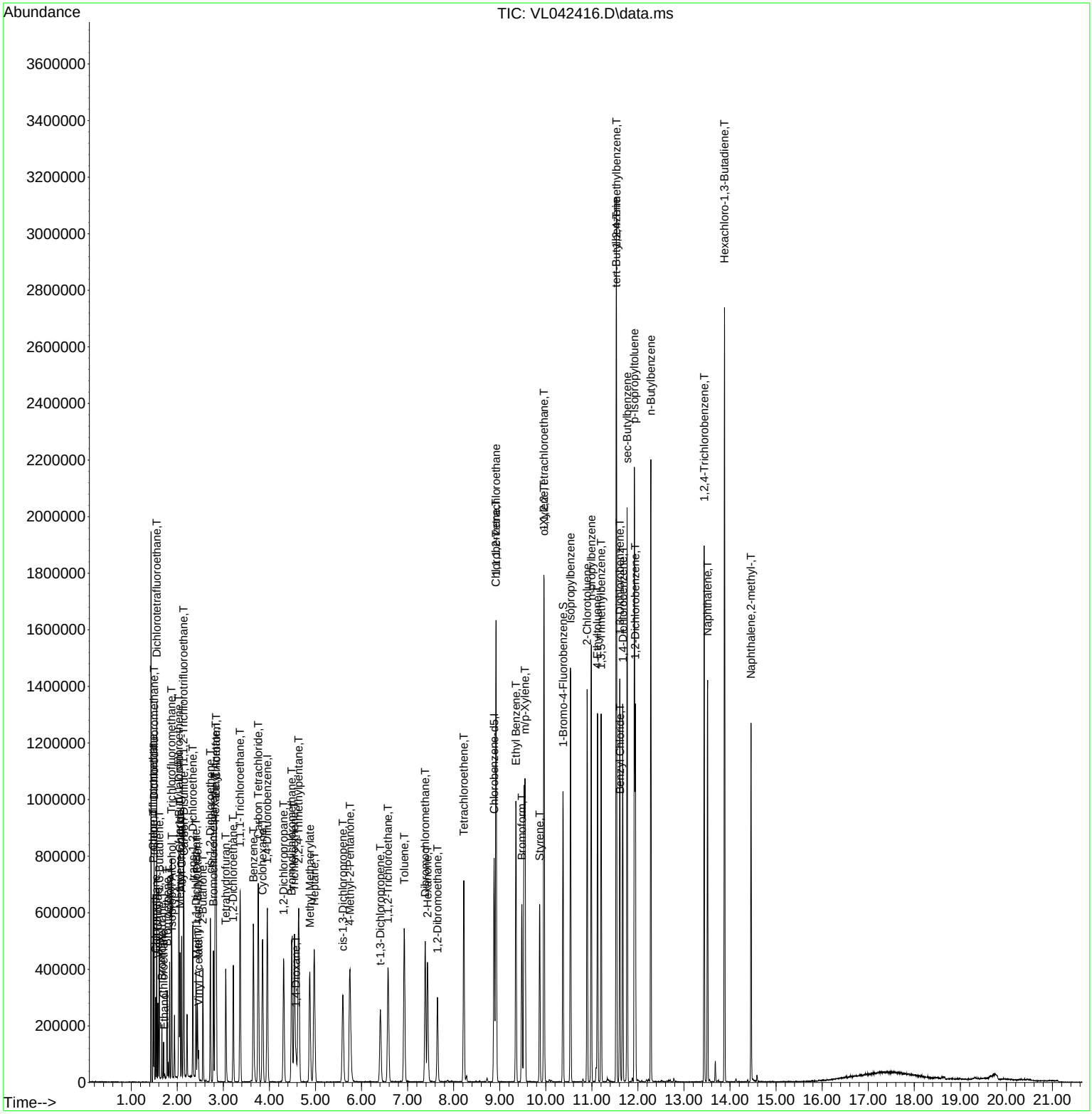
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	191165	9.117	ppbv	#	88
47) 1,1,2-Trichloroethane	6.574	97	133821	9.471	ppbv		96
48) Dibromochloromethane	7.383	129	245439	9.832	ppbv		99
49) Bromoform	9.480	173	198991	9.117	ppbv		100
50) 4-Methyl-2-Pentanone	5.748	43	356129	7.854	ppbv		99
51) 2-Hexanone	7.431	43	287045	7.058	ppbv		98
52) Tetrachloroethene	8.221	164	114038	7.928	ppbv		91
53) Toluene	6.927	91	398162	8.916	ppbv		100
54) 1,2-Dibromoethane	7.648	107	189639	9.378	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.920	131	184161	9.969	ppbv		97
57) Chlorobenzene	8.917	112	300677	9.471	ppbv		98
58) Ethyl Benzene	9.354	91	568129	9.394	ppbv		98
59) m/p-Xylene	9.548	91	438382	8.998	ppbv	#	29
60) o-Xylene	9.963	91	466411	9.507	ppbv		97
61) Styrene	9.865	104	213119	9.101	ppbv		98
62) Isopropylbenzene	10.535	105	680837	9.452	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	274653	8.639	ppbv		99
64) n-propylbenzene	10.989	120	166984	9.223	ppbv		98
65) tert-Butylbenzene	11.529	119	610304	9.219	ppbv		95
66) Benzyl Chloride	11.613	91	59187	8.136	ppbv		99
67) sec-Butylbenzene	11.765	105	854169	9.276	ppbv		99
69) p-Isopropyltoluene	11.924	119	732365	9.155	ppbv		97
70) n-Butylbenzene	12.280	91	765539	9.188	ppbv		99
71) 2-Chlorotoluene	10.898	91	534834	9.467	ppbv		98
72) 4-Ethyltoluene	11.121	105	556591	9.280	ppbv		97
73) 1,3,5-Trimethylbenzene	11.202	105	487223	9.201	ppbv		98
74) 1,2,4-Trimethylbenzene	11.536	105	541720	8.759	ppbv		94
75) 1,3-Dichlorobenzene	11.607	146	287285	8.936	ppbv		97
76) 1,4-Dichlorobenzene	11.671	146	290512	8.991	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	279962	8.956	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	265745	8.419	ppbv		100
79) Naphthalene	13.513	128	622606	8.418	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	328047	7.783	ppbv		95
81) 1,2,4-Trichlorobenzene	13.439	180	269711	8.493	ppbv		99

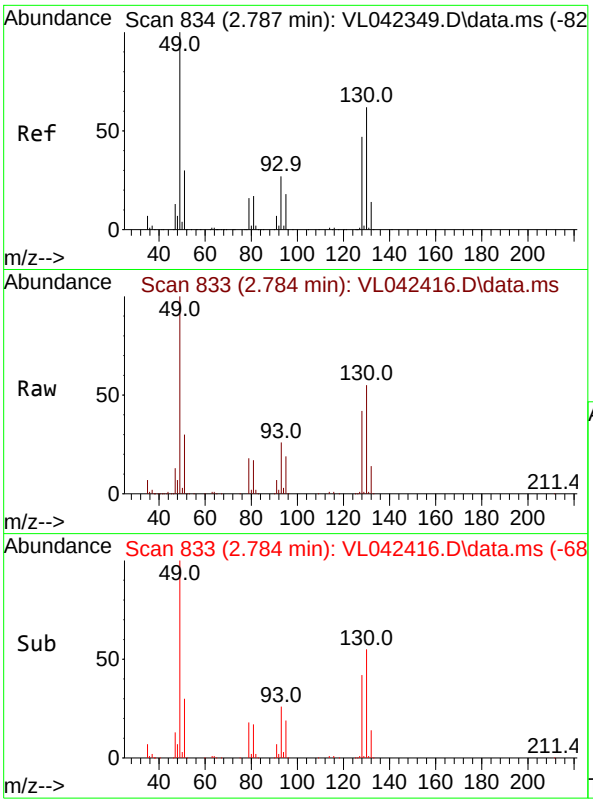
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042416.D
Acq On : 28 Apr 2025 08:44
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



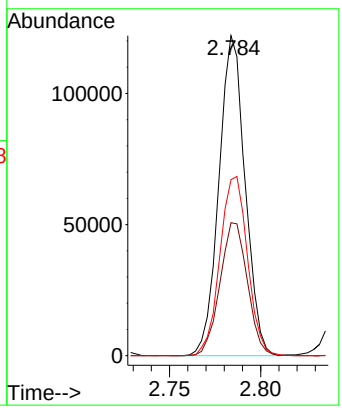


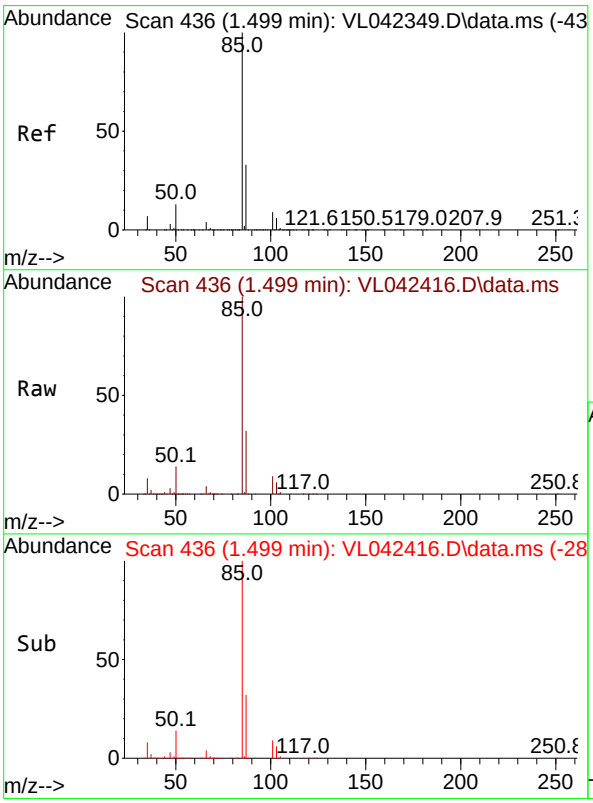
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 121989

Ion	Ratio	Lower	Upper
49	100		
128	43.6	22.8	68.4
130	59.0	29.3	88.0

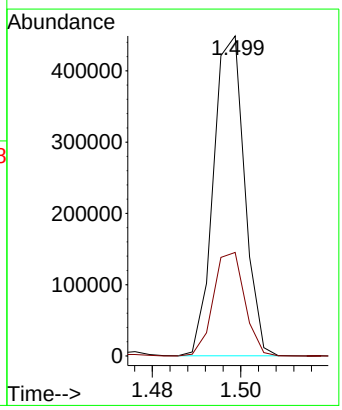


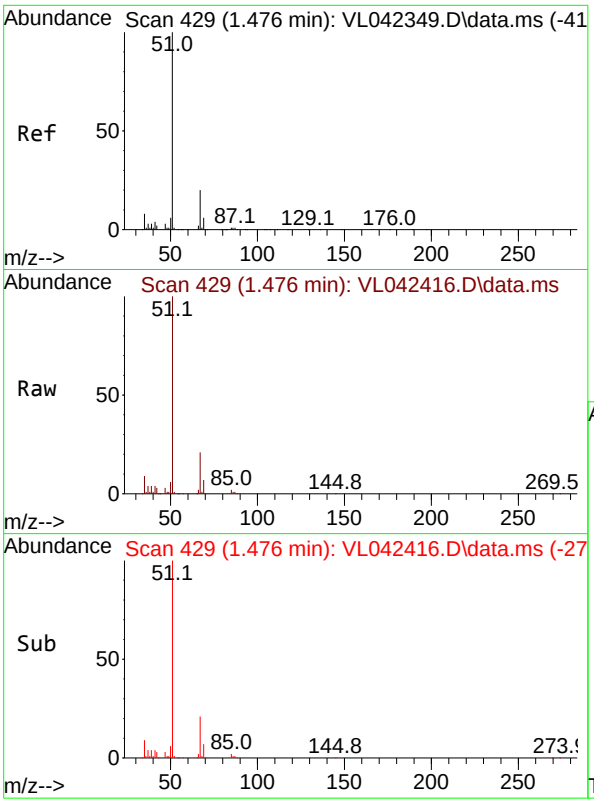


#2
Dichlorodifluoromethane
Concen: 10.165 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 219089

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.6	39.8



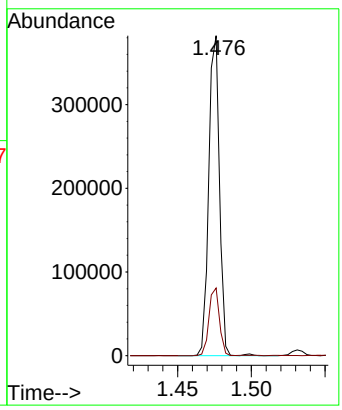


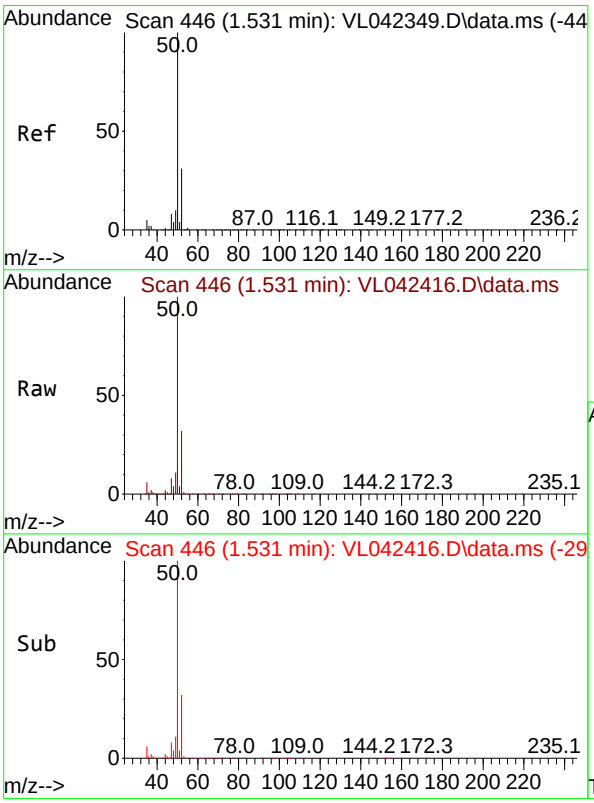
#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 192111

Ion	Ratio	Lower	Upper
51	100		
67	21.0	16.2	24.4

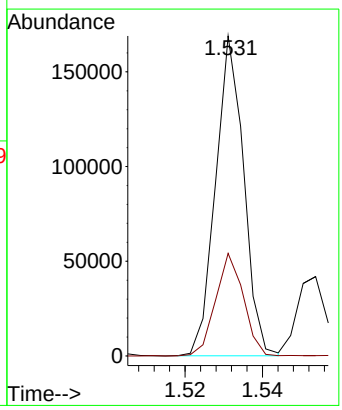


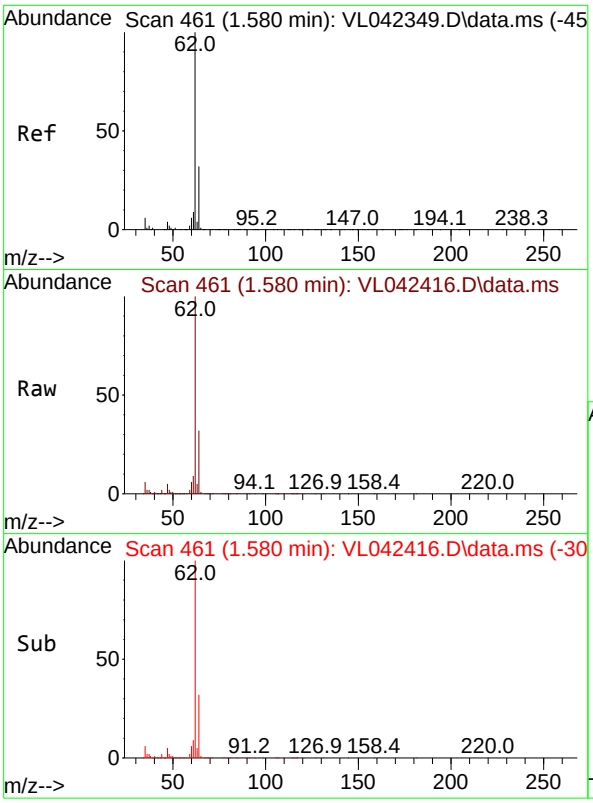


#4
Chloromethane
Concen: 9.988 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 50 Resp: 85195

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.7	37.1



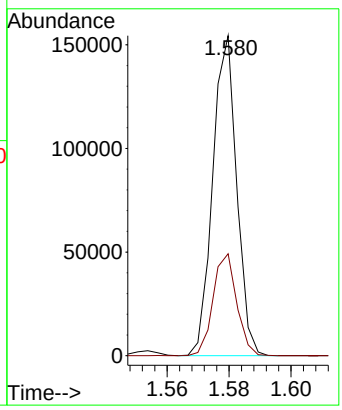


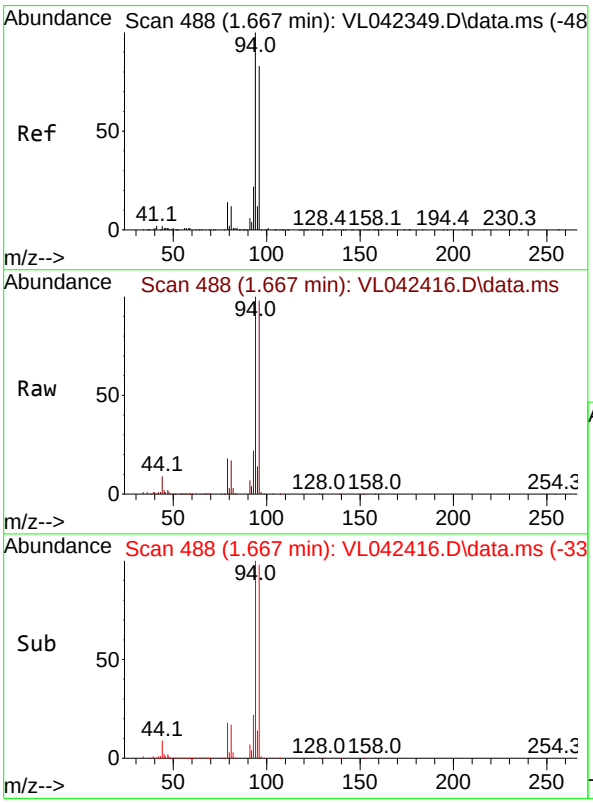
#5
Vinyl Chloride
Concen: 8.925 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 82863

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0

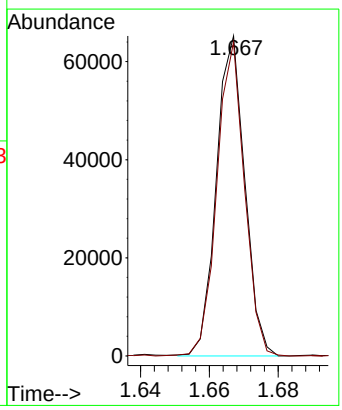


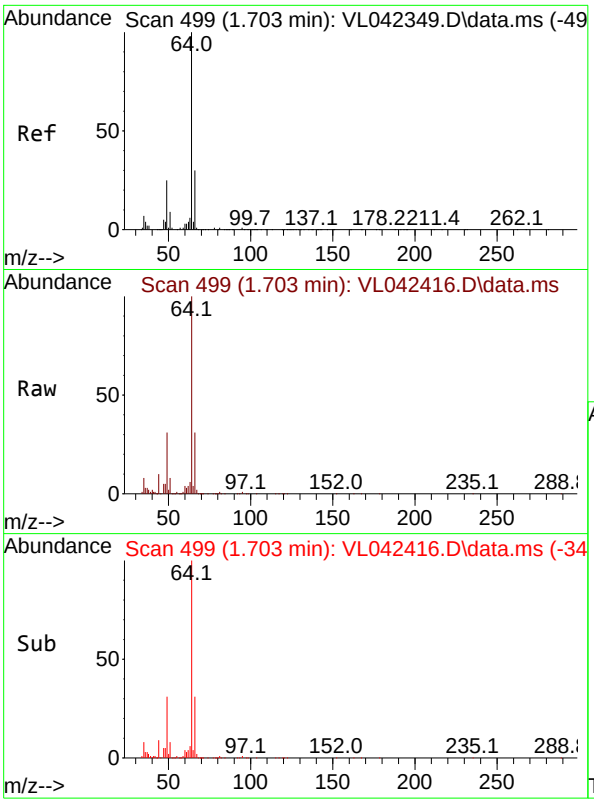


#6
Bromomethane
Concen: 9.376 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 94 Resp: 37396

Ion	Ratio	Lower	Upper
94	100		
96	97.7	66.2	99.2



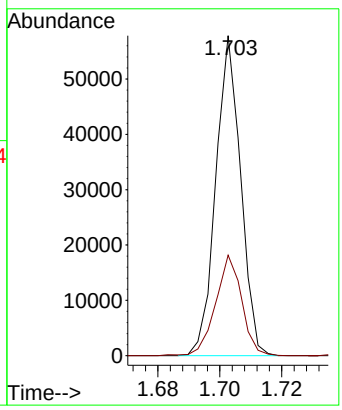


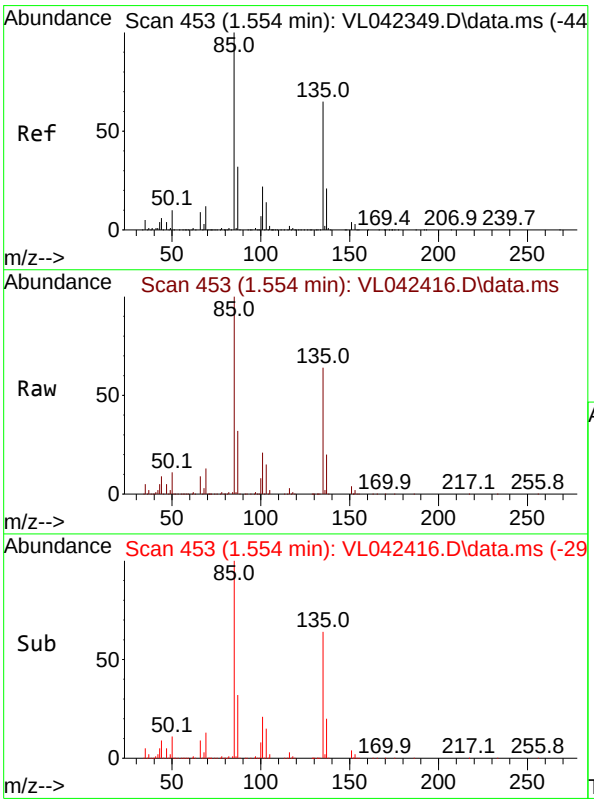
#7
Chloroethane
Concen: 9.600 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 32235

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.6	37.0

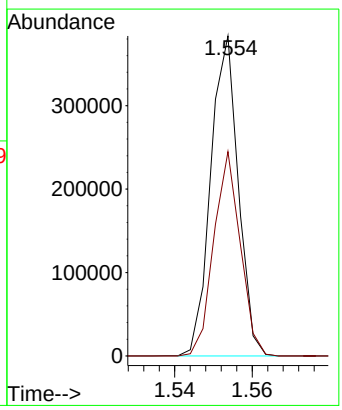


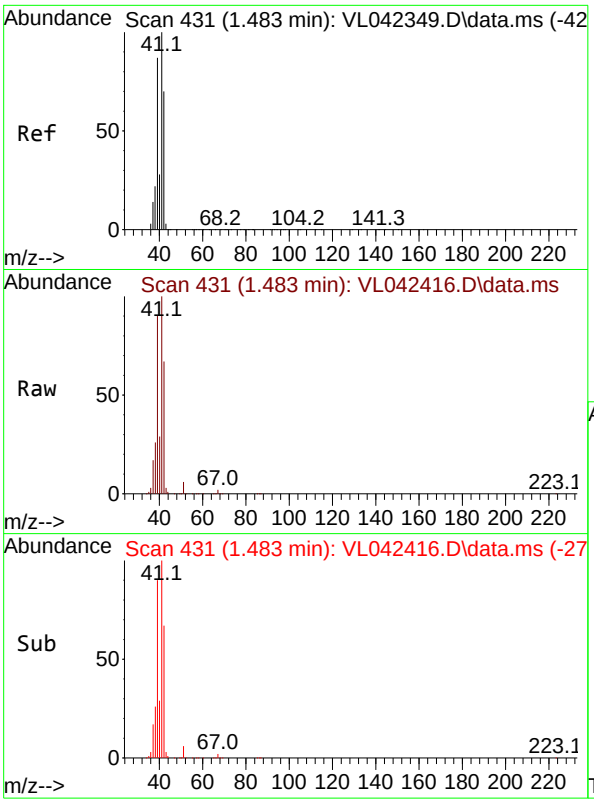


#8
Dichlorotetrafluoroethane
Concen: 10.223 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 189174

Ion	Ratio	Lower	Upper
85	100		
135	61.6	52.2	78.2



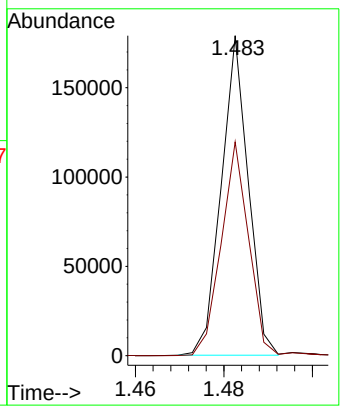


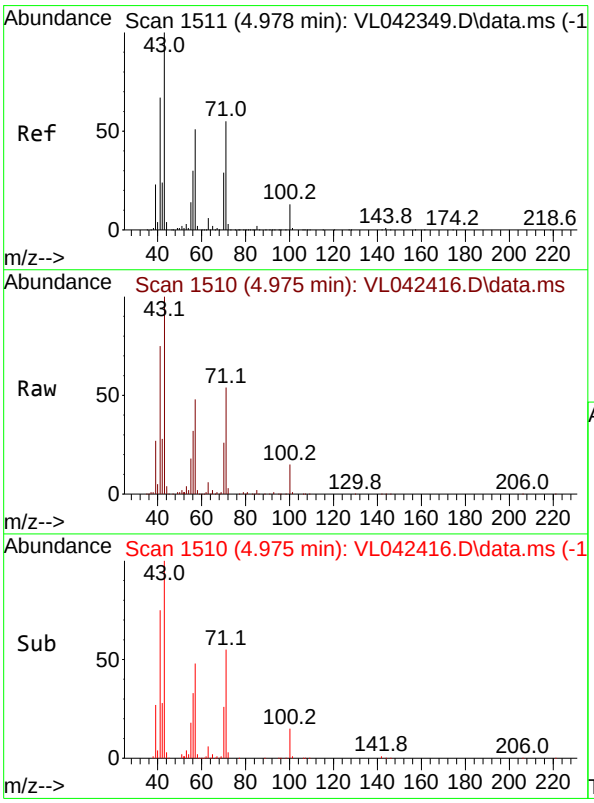
#9
Propene
Concen: 8.131 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 75996

Ion	Ratio	Lower	Upper
41	100		
42	69.0	56.2	84.4

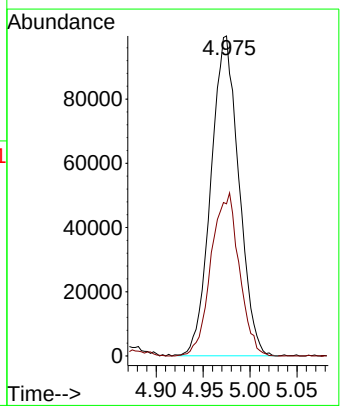


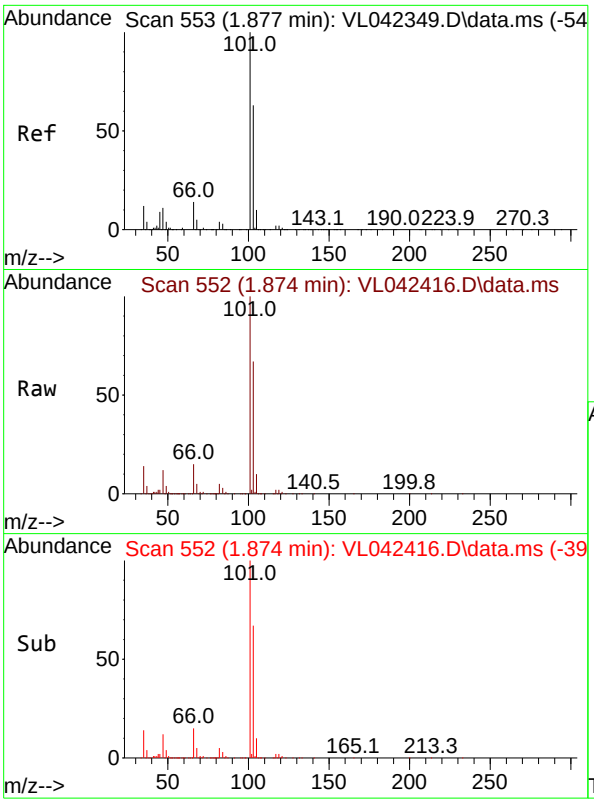


#10
Heptane
Concen: 7.837 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 205785

Ion	Ratio	Lower	Upper
43	100		
57	51.3	39.9	59.9



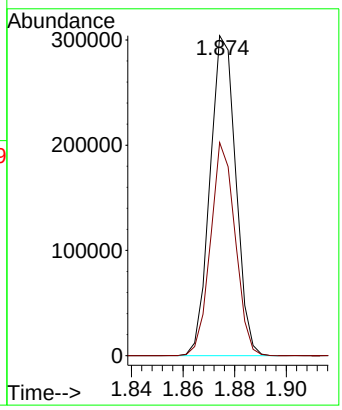


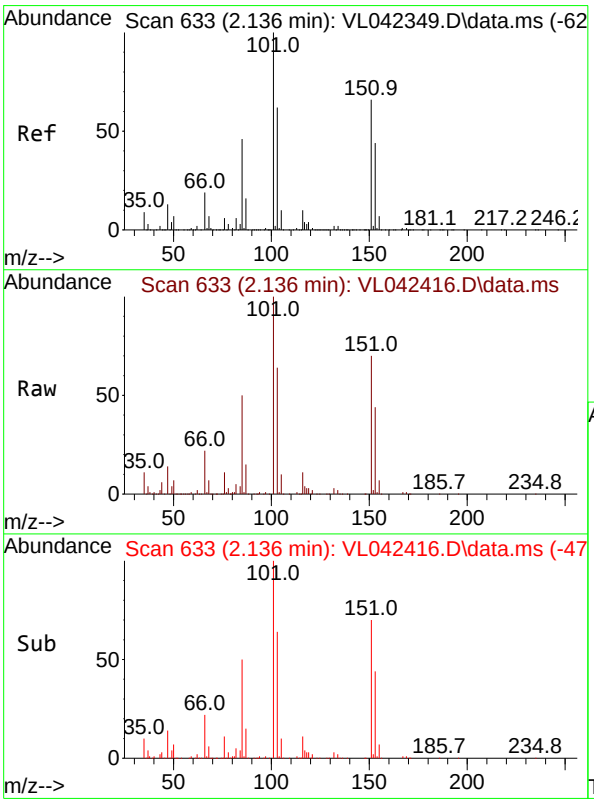
#11
Trichlorofluoromethane
Concen: 10.286 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 210830

Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.1	75.1

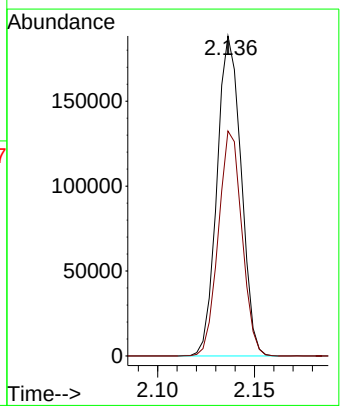


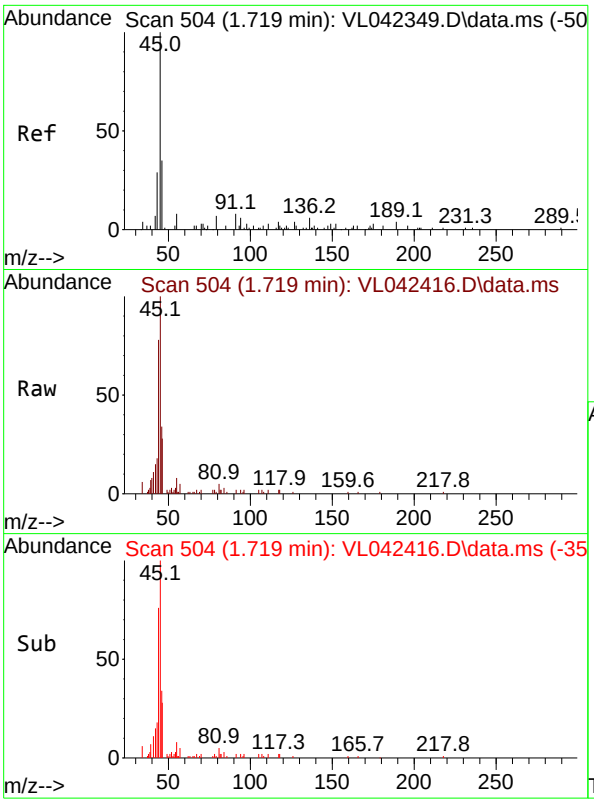


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.733 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:101 Resp: 163109

Ion	Ratio	Lower	Upper
101	100		
151	68.6	57.0	85.6



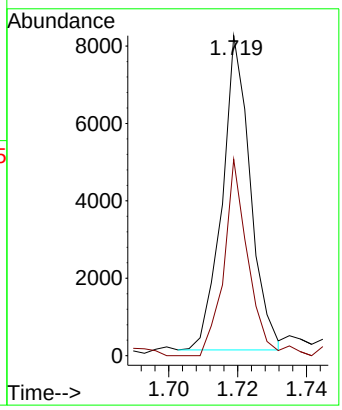


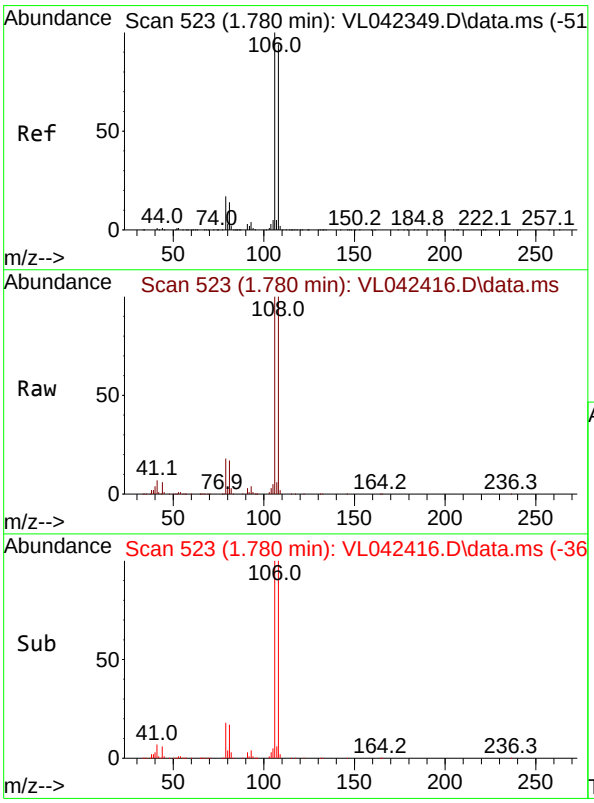
#13
Ethanol
Concen: 3.104 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 4612

Ion	Ratio	Lower	Upper
45	100		
46	56.4	21.9	87.7

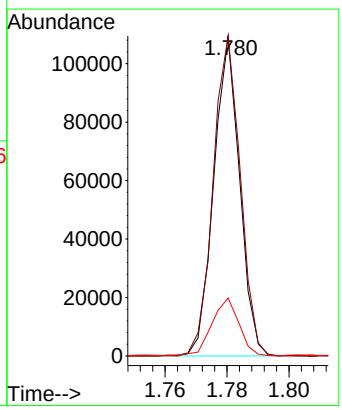


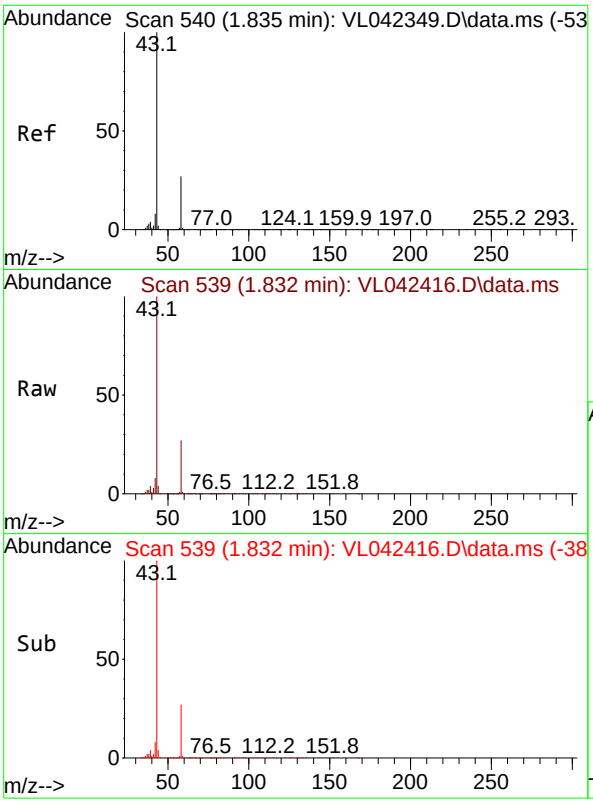


#14
Bromoethene
Concen: 10.010 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:108 Resp: 63235

Ion	Ratio	Lower	Upper
108	100		
106	105.2	85.9	128.9
79	20.7	13.9	20.9



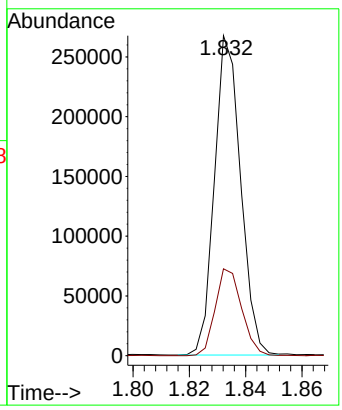


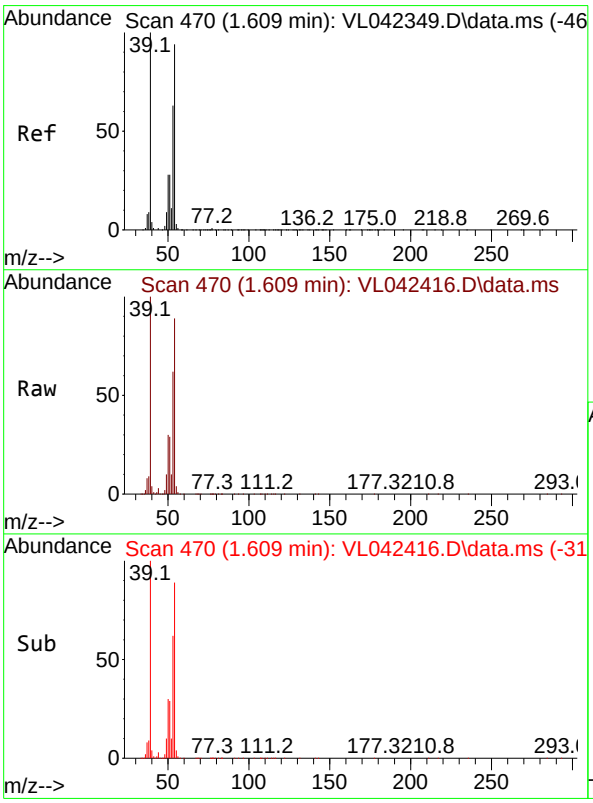
#15
Acetone
Concen: 8.623 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 172207

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6

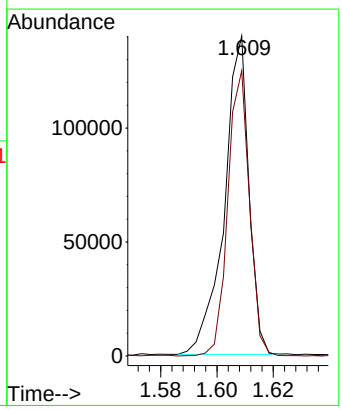


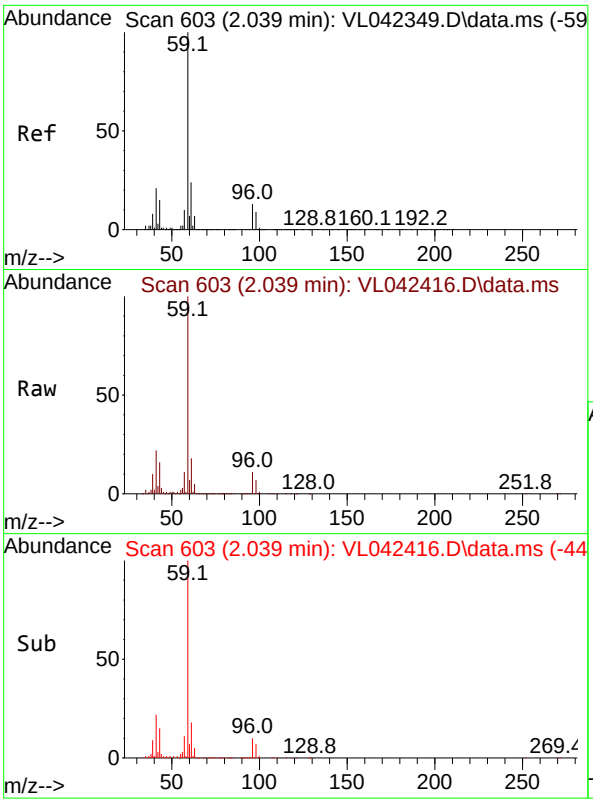


#16
1,3-Butadiene
Concen: 8.880 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 39 Resp: 84816

Ion	Ratio	Lower	Upper
39	100		
54	79.2	64.9	97.3



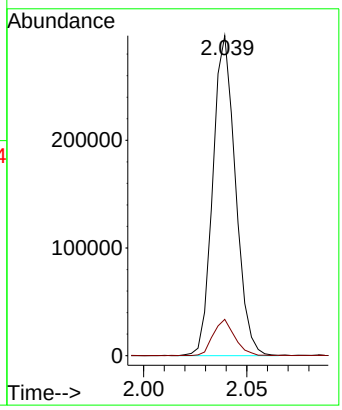


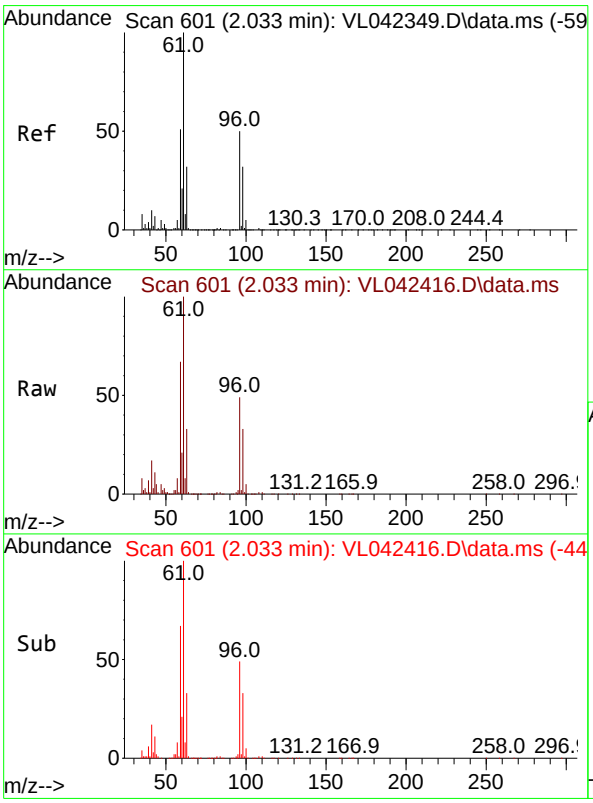
#17
tert-Butyl alcohol
Concen: 9.164 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 226804

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

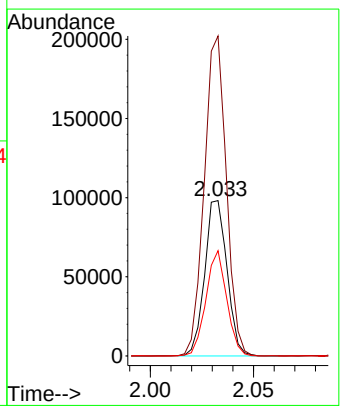


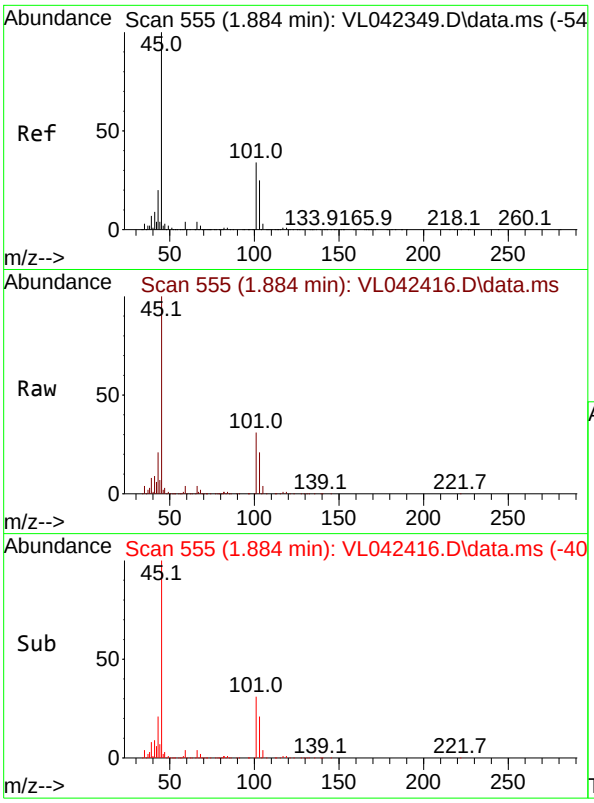


#18
1,1-Dichloroethene
Concen: 9.420 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 96 Resp: 73751

Ion	Ratio	Lower	Upper
96	100		
61	205.9	160.2	240.2
98	67.8	51.0	76.4



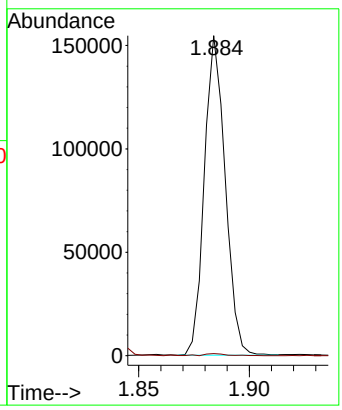


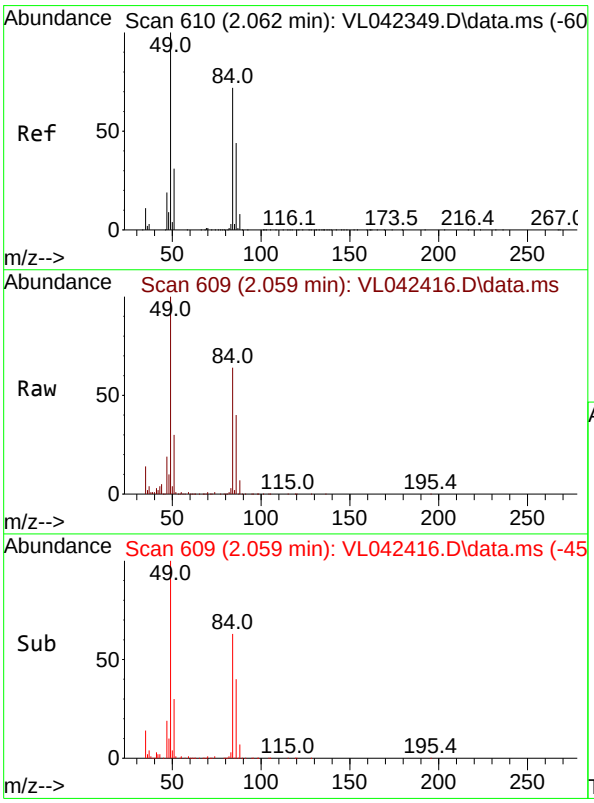
#19
Isopropyl Alcohol
Concen: 9.105 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 101011

Ion	Ratio	Lower	Upper
45	100		
58	47.3	34.5	51.7

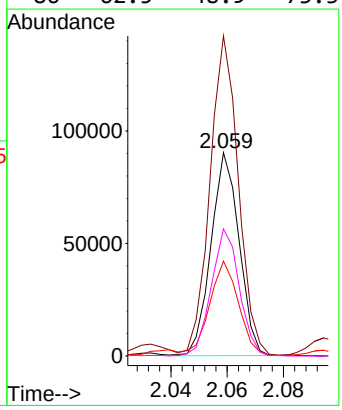


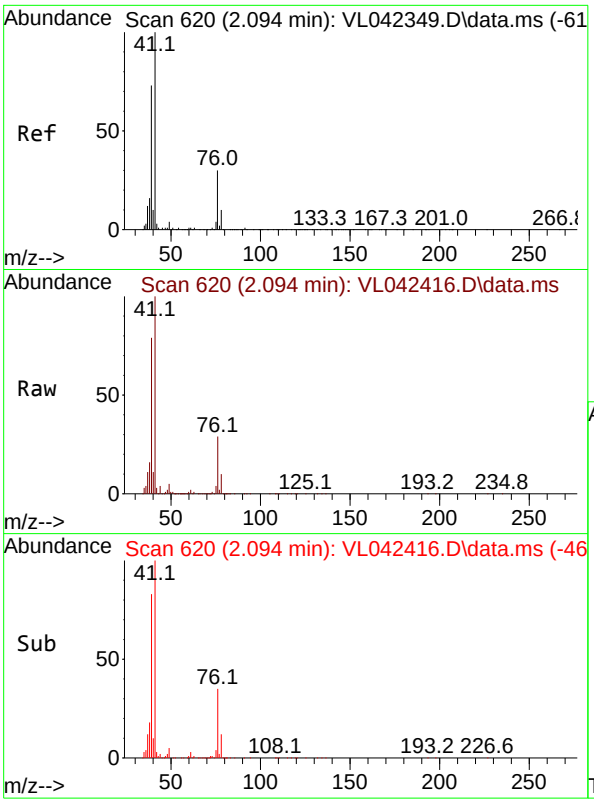


#20
Methylene Chloride
Concen: 7.992 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 84 Resp: 62506

Ion	Ratio	Lower	Upper
84	100		
49	157.3	111.6	167.4
51	46.5	35.1	52.7
86	62.5	48.9	73.3



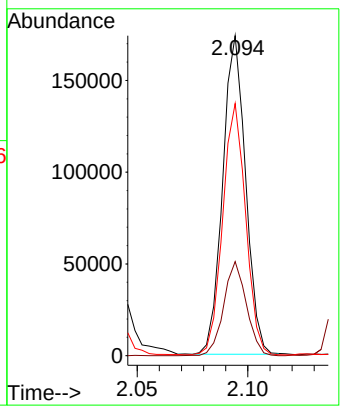


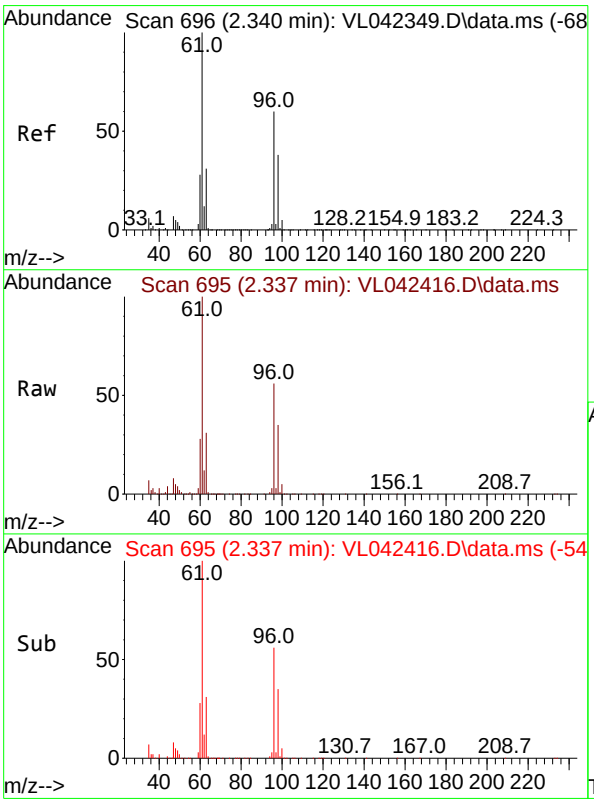
#21
Allyl Chloride
Concen: 9.081 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 125215

Ion	Ratio	Lower	Upper
41	100		
76	29.2	24.8	37.2
39	78.4	60.6	90.8

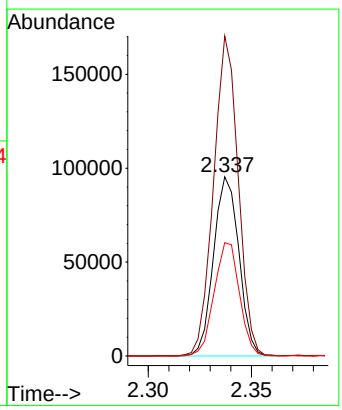


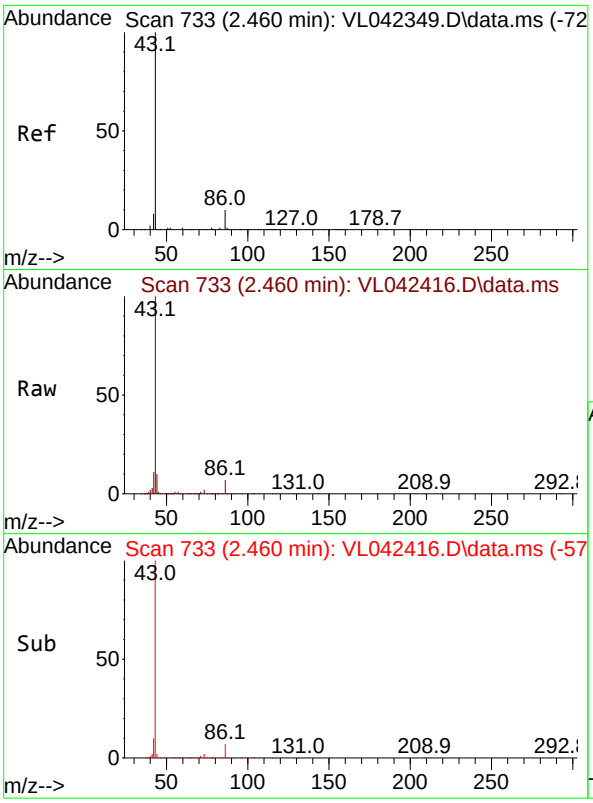


#22
trans-1,2-Dichloroethene
Concen: 9.153 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 96 Resp: 81589

Ion	Ratio	Lower	Upper
96	100		
61	178.4	133.7	200.5
98	63.2	50.3	75.5



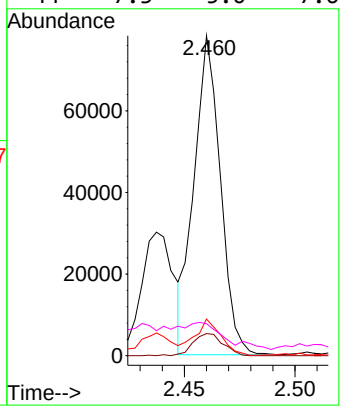


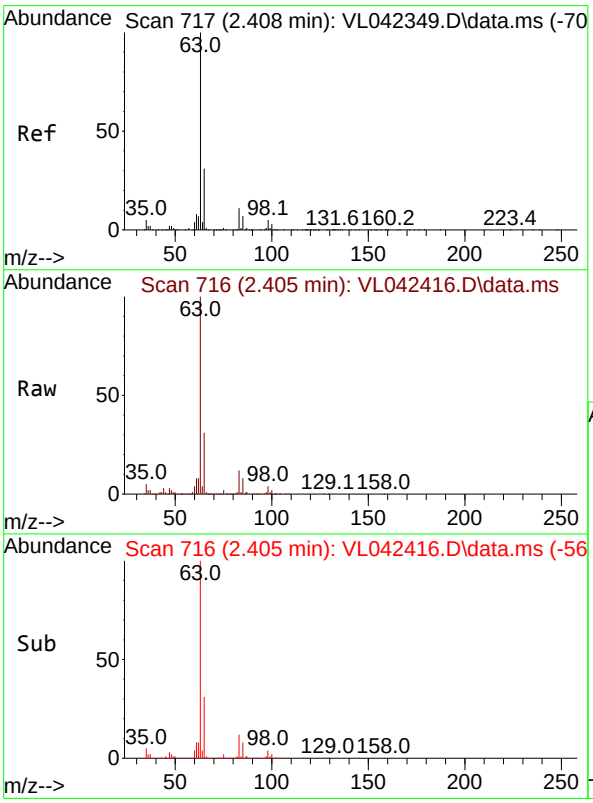
#23
Vinyl Acetate
Concen: 8.030 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 64907

Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.5	9.7
42	11.1	7.8	11.8
44	7.3	5.0	7.6

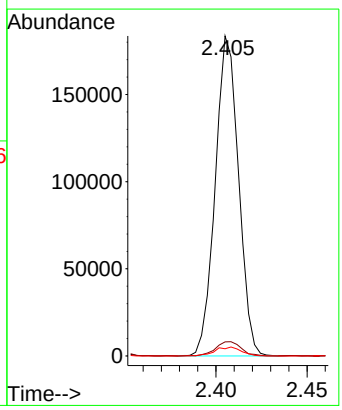


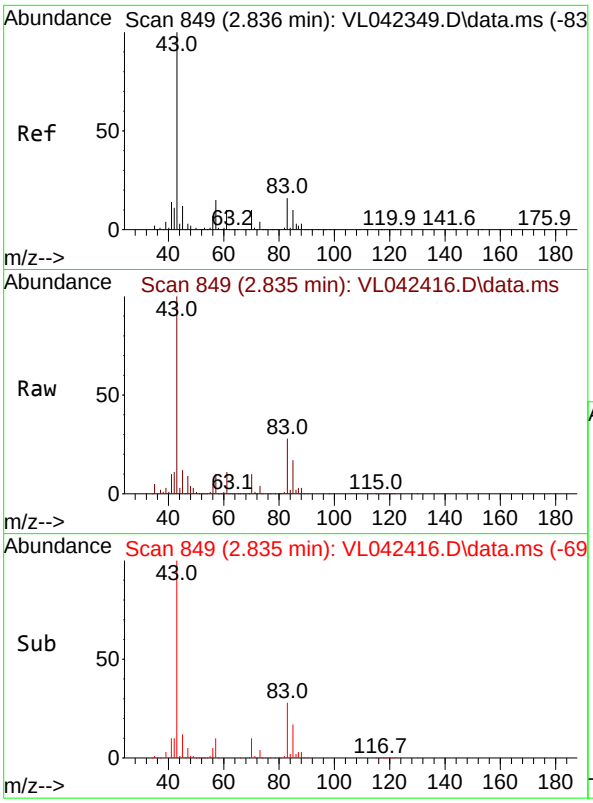


#24
1,1-Dichloroethane
Concen: 9.634 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 63 Resp: 163124

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.2	1.6	4.8



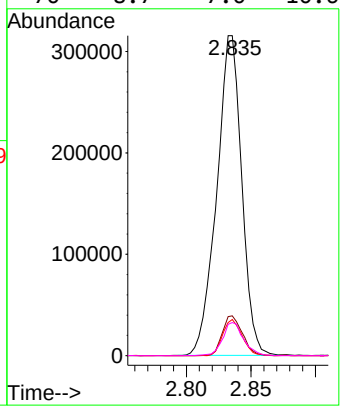


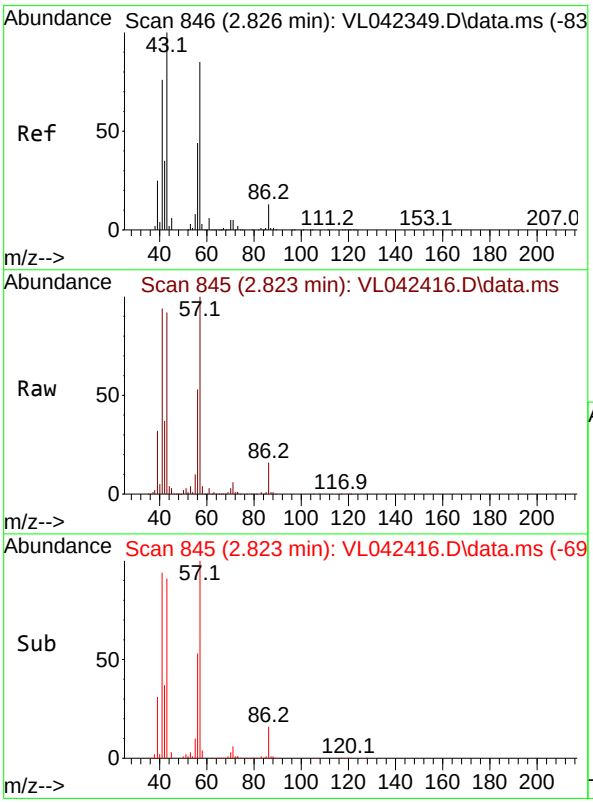
#25
Ethyl Acetate
Concen: 8.634 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 425121

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	8.9	7.3	10.9
70	8.7	7.0	10.6

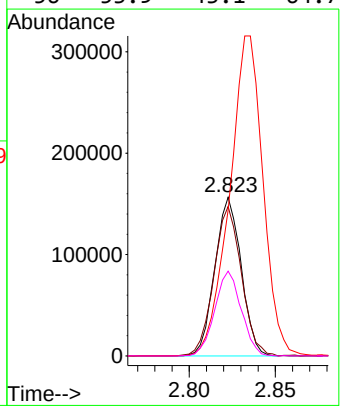


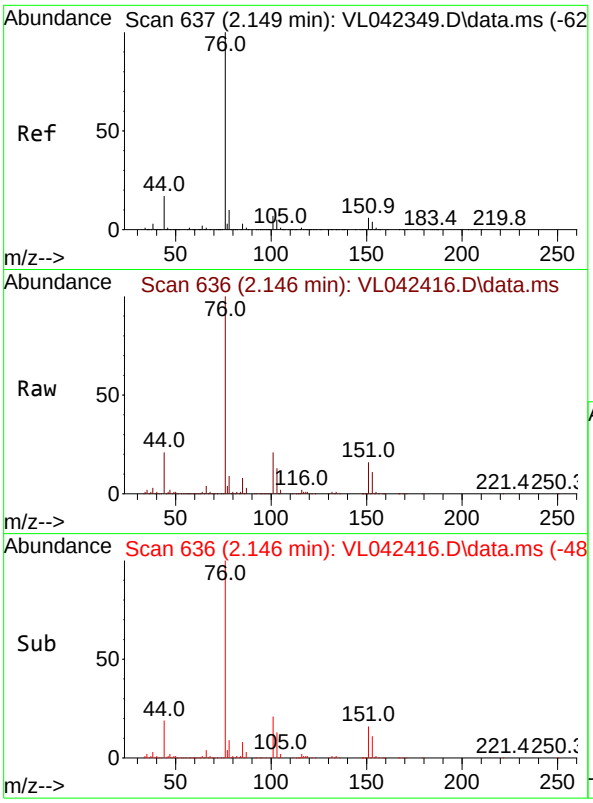


#26
Hexane
Concen: 8.370 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 57 Resp: 166789

Ion	Ratio	Lower	Upper
57	100		
41	98.4	77.9	116.9
43	256.1	208.4	312.6
56	53.9	43.1	64.7



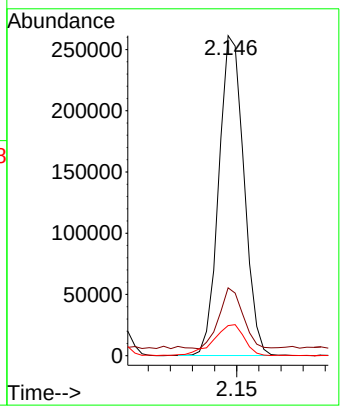


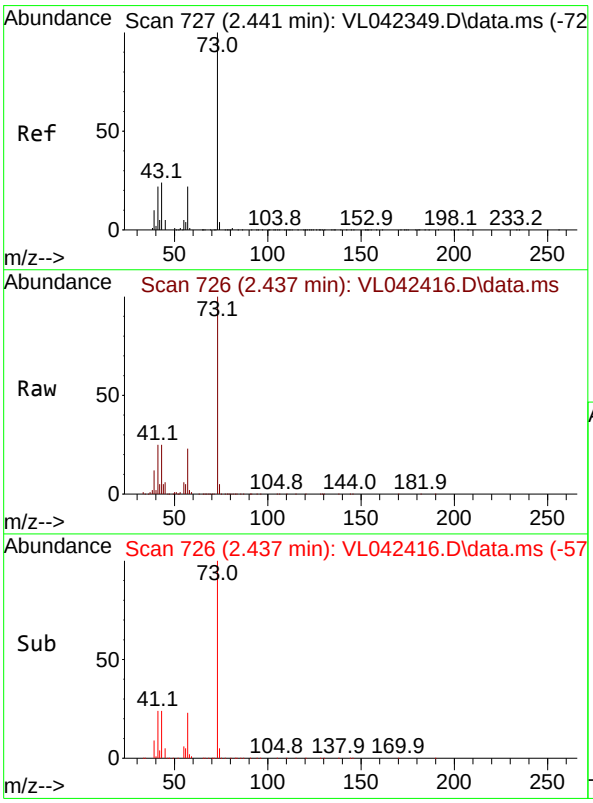
#27
Carbon Disulfide
Concen: 9.637 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 205605

Ion	Ratio	Lower	Upper
76	100		
44	22.2	15.5	23.3
78	12.1	9.3	13.9

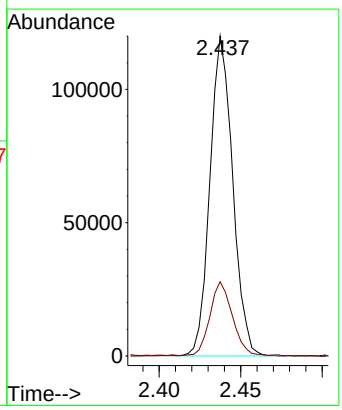


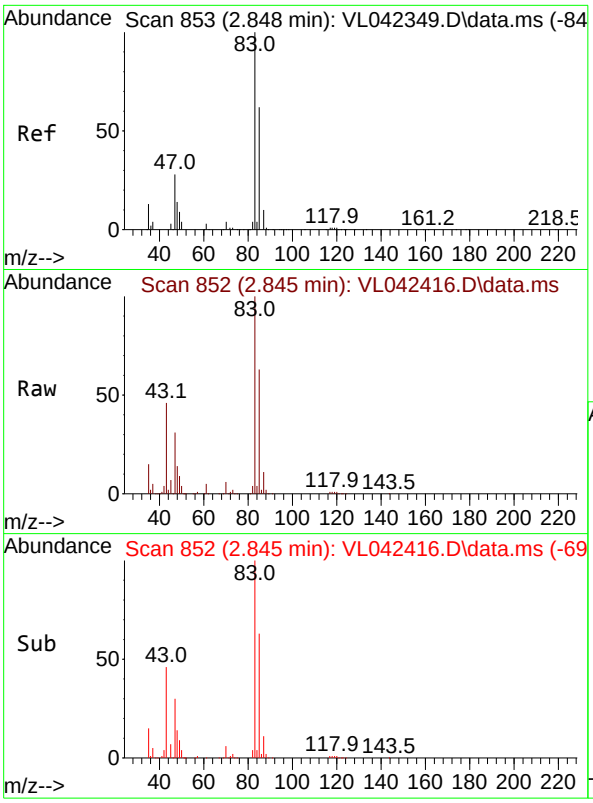


#28
Methyl tert-Butyl Ether
Concen: 8.922 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 73 Resp: 116474

Ion	Ratio	Lower	Upper
73	100		
57	23.1	21.3	31.9



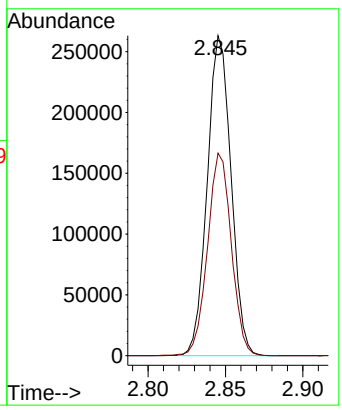


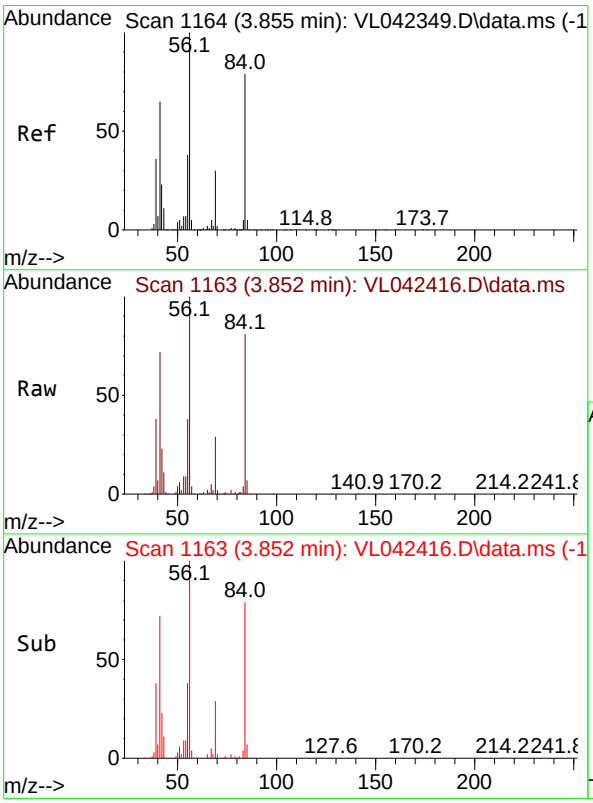
#29
Chloroform
Concen: 9.975 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 280938

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.0	75.0

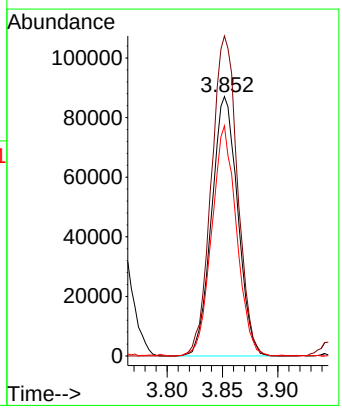


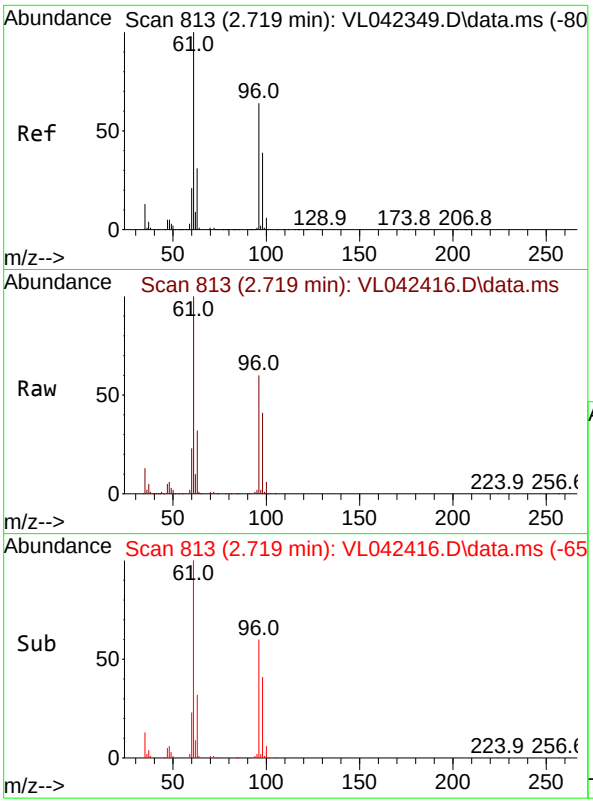


#30
Cyclohexane
Concen: 8.849 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 84 Resp: 142532

Ion	Ratio	Lower	Upper
84	100		
56	123.7	101.0	151.4
41	84.7	67.4	101.0



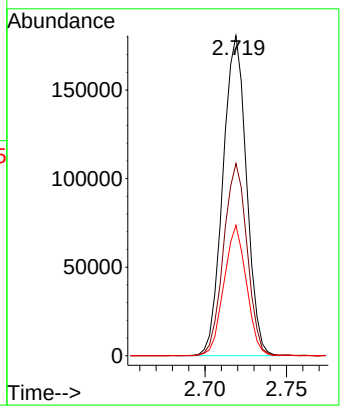


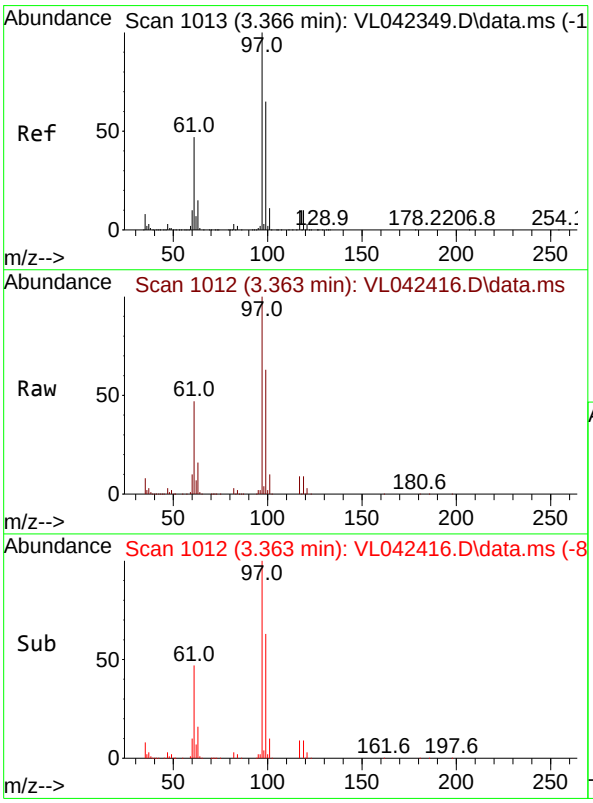
#31
cis-1,2-Dichloroethene
Concen: 9.581 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 181514

Ion	Ratio	Lower	Upper
61	100		
96	60.1	50.8	76.2
98	40.8	30.9	46.3

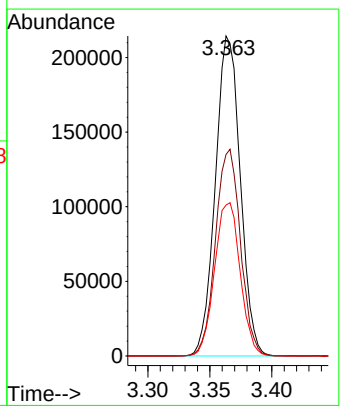


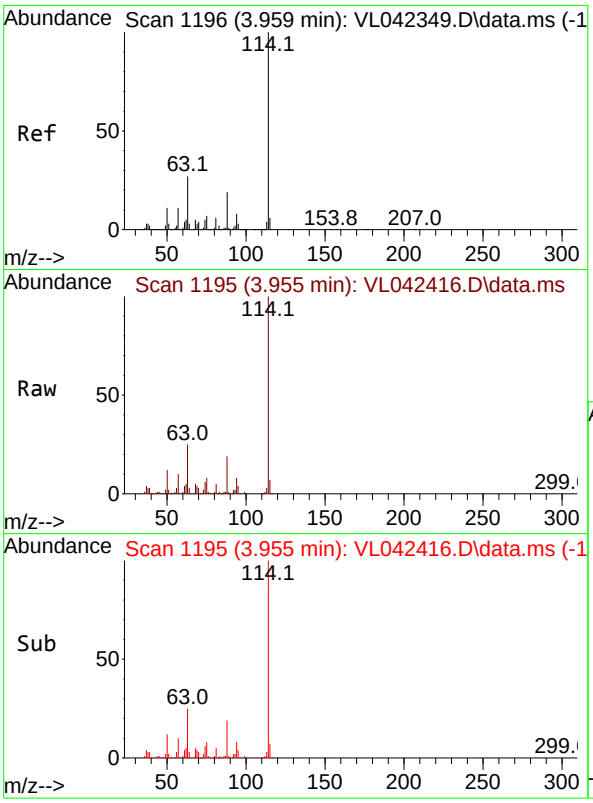


#32
1,1,1-Trichloroethane
Concen: 9.501 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 97 Resp: 301259

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	49.3	38.8	58.2



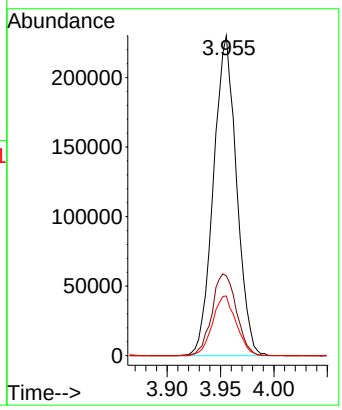


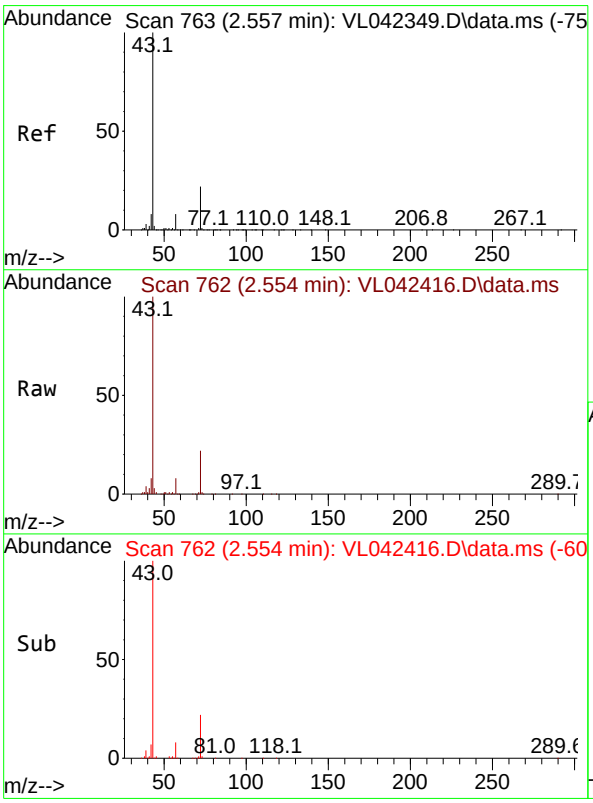
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 345031

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	19.2	15.5	23.3

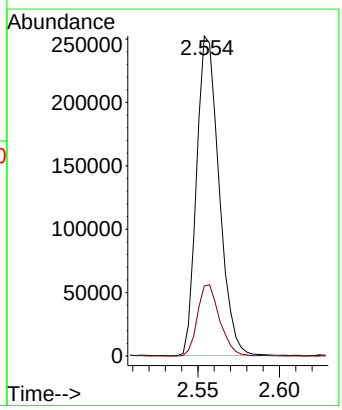


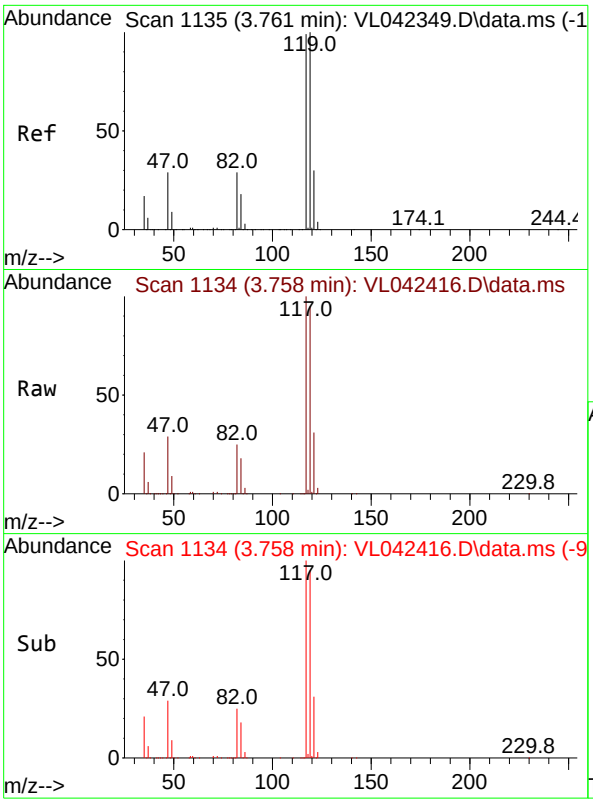


#34
2-Butanone
Concen: 8.834 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 241047

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.2	27.2



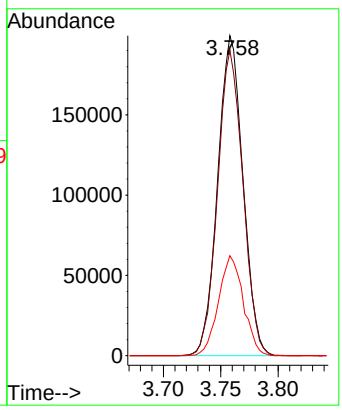


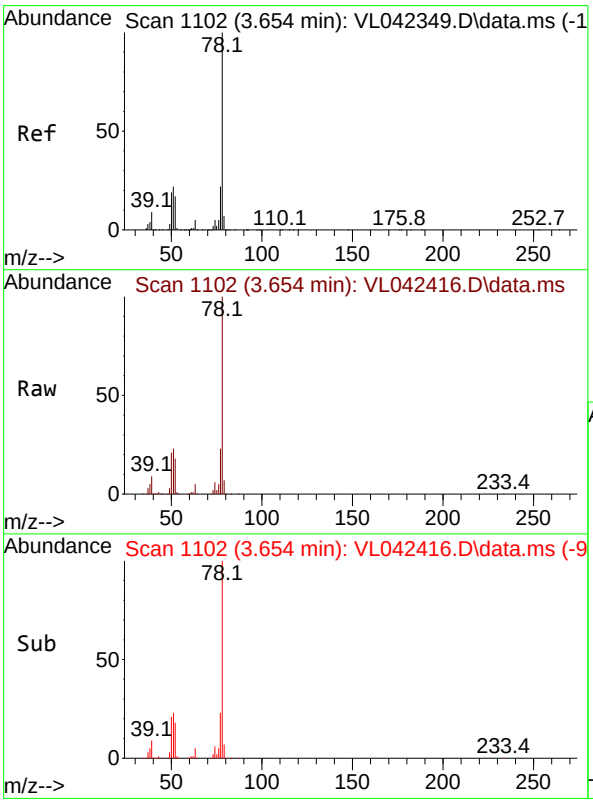
#35
Carbon Tetrachloride
Concen: 9.783 ppbv
RT: 3.758 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 305477

Ion	Ratio	Lower	Upper
117	100		
119	95.4	80.5	120.7
121	31.3	24.2	36.2

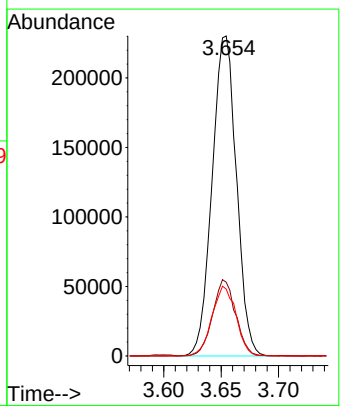


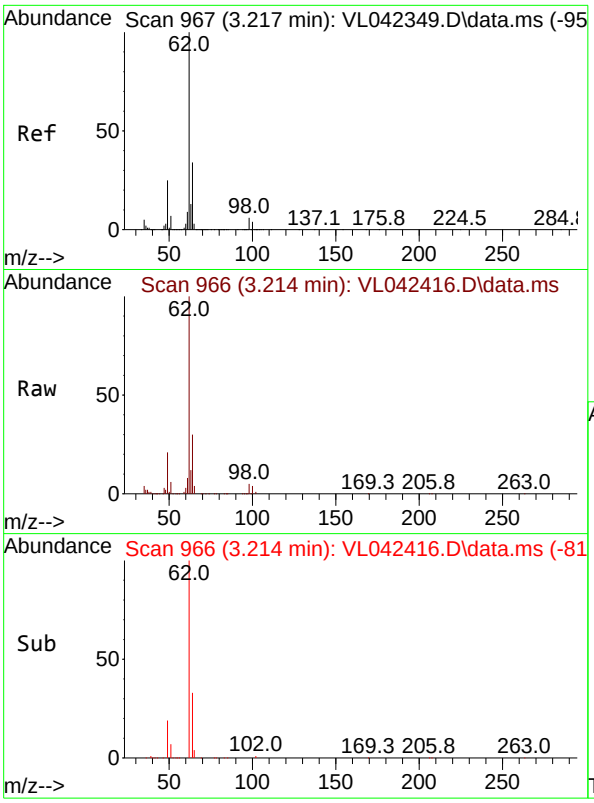


#36
Benzene
Concen: 9.102 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 78 Resp: 338736

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.4	26.0
50	20.9	15.5	23.3



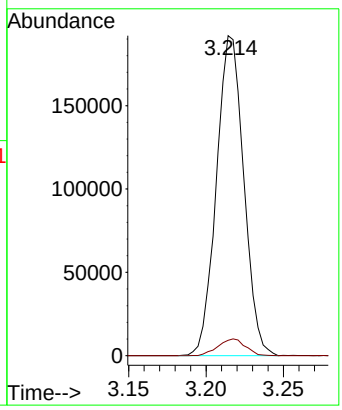


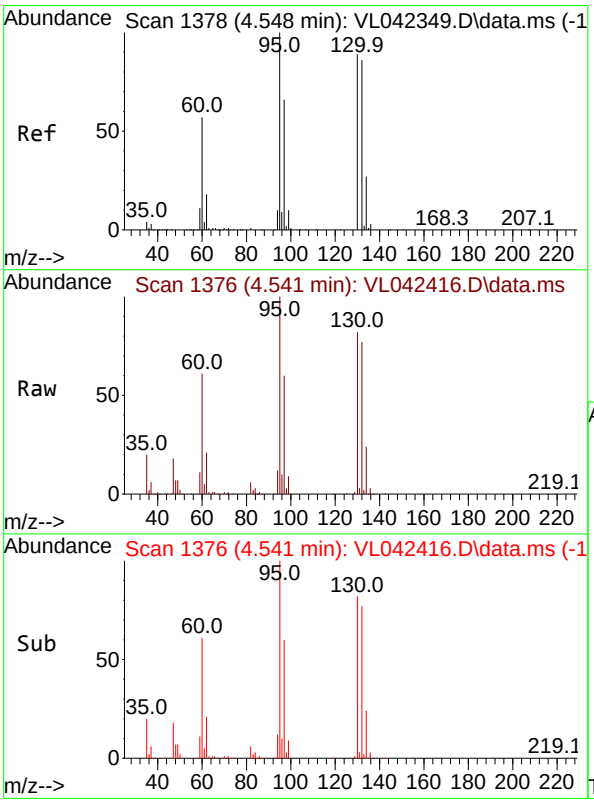
#37
1,2-Dichloroethane
Concen: 10.564 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 235966

Ion	Ratio	Lower	Upper
62	100		
98	5.3	5.1	7.7

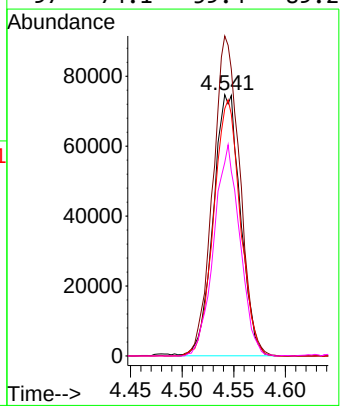


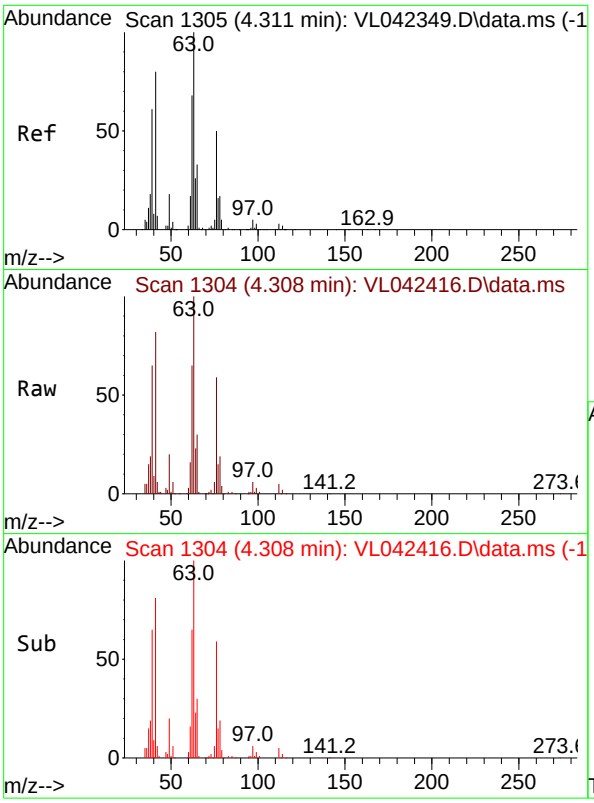


#38
Trichloroethene
Concen: 8.406 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:130 Resp: 136731

Ion	Ratio	Lower	Upper
130	100		
95	122.5	89.8	134.6
132	94.7	77.7	116.5
97	74.1	59.4	89.2



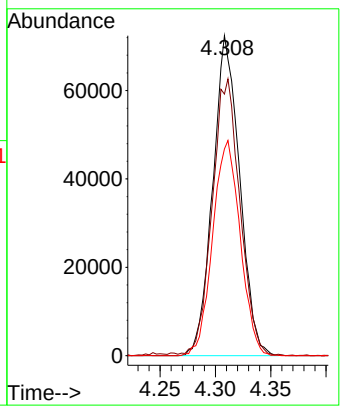


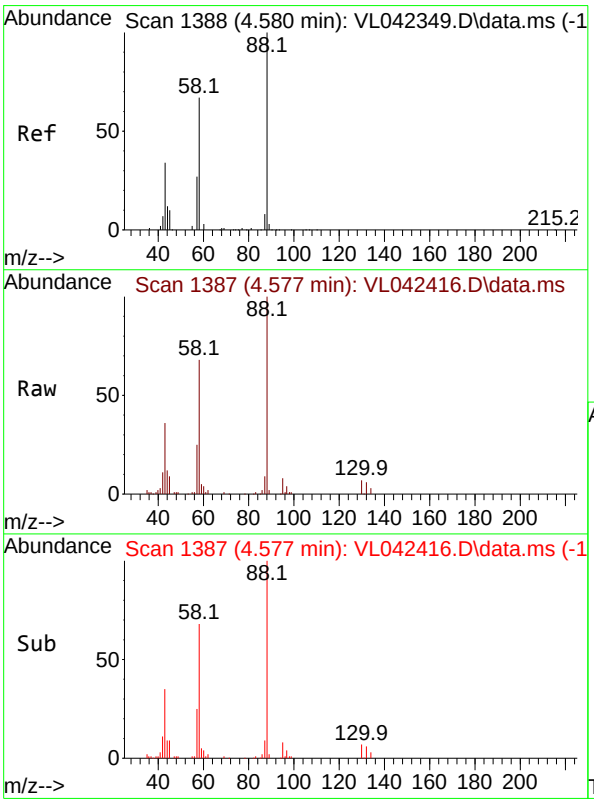
#39
1,2-Dichloropropane
Concen: 8.813 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 122213

Ion	Ratio	Lower	Upper
63	100		
41	81.2	64.2	96.2
62	64.6	54.3	81.5

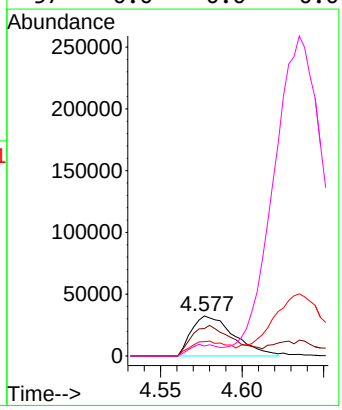


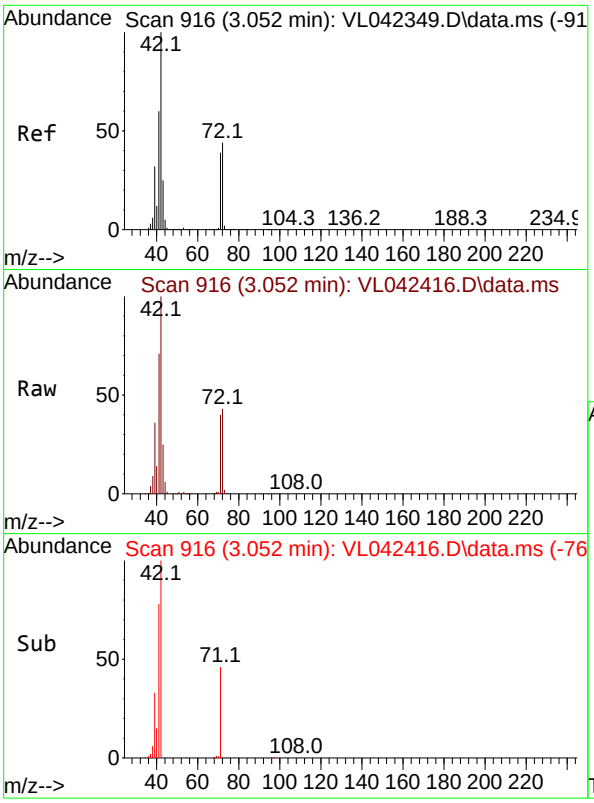


#40
1,4-Dioxane
Concen: 7.720 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 88 Resp: 58837

Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.4	92.0
43	35.3	23.2	34.8#
57	0.0	0.0	0.0



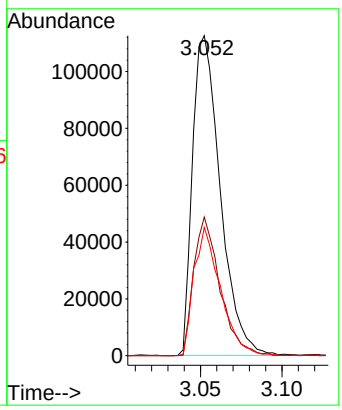


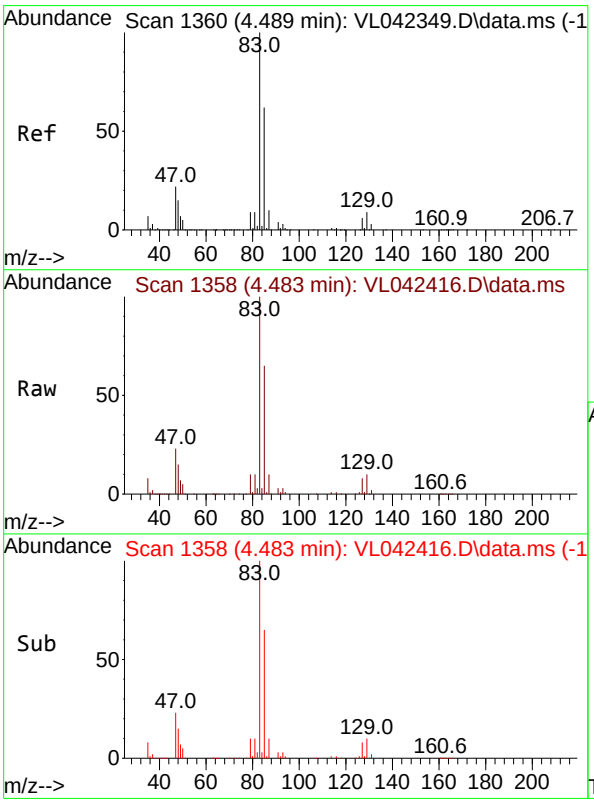
#41
Tetrahydrofuran
Concen: 8.363 ppbv
RT: 3.052 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 133063

Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.3	48.5
71	38.8	31.4	47.2

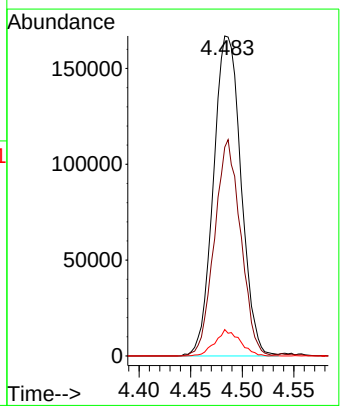


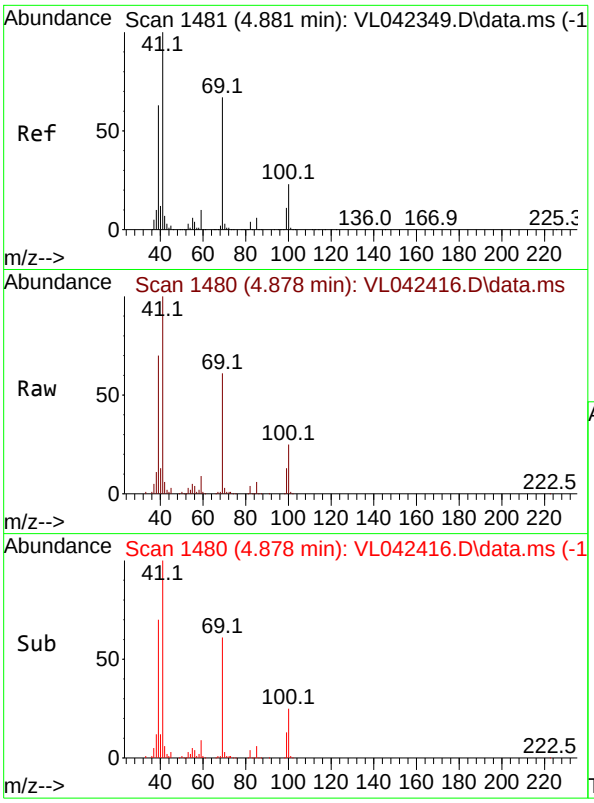


#42
Bromodichloromethane
Concen: 9.996 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 83 Resp: 310726

Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.7	74.5
127	8.3	5.1	7.7#



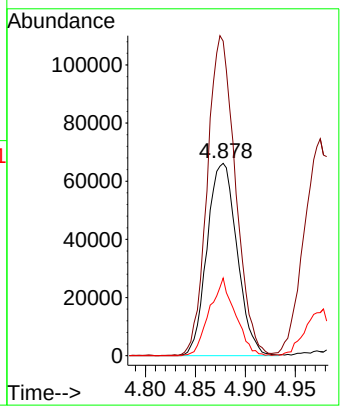


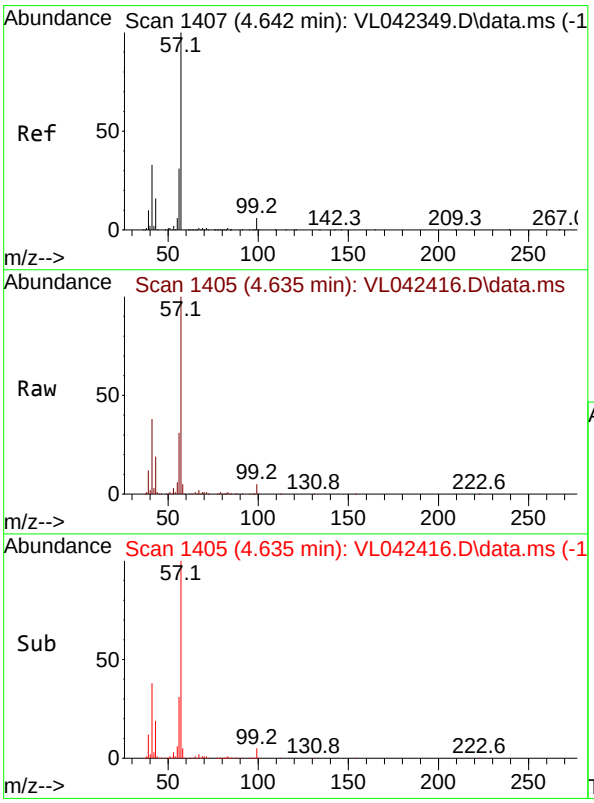
#43
Methyl Methacrylate
Concen: 8.230 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 138030

Ion	Ratio	Lower	Upper
69	100		
41	156.8	118.6	177.8
100	34.8	28.2	42.2

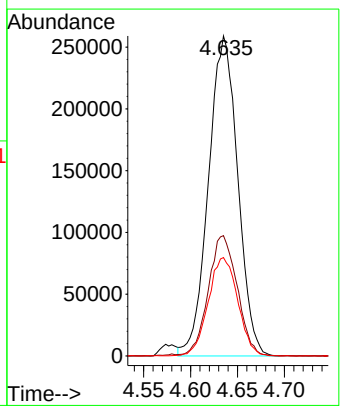


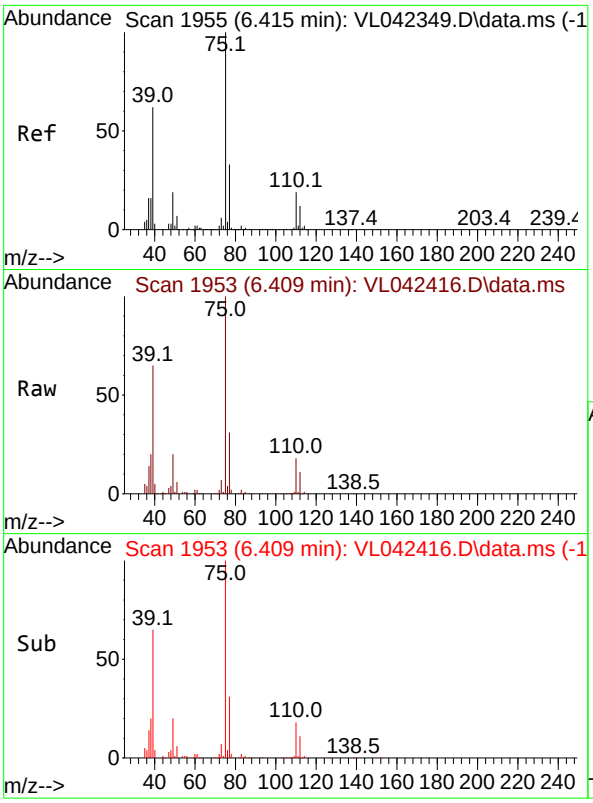


#44
2,2,4-Trimethylpentane
Concen: 8.750 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 57 Resp: 562403

Ion	Ratio	Lower	Upper
57	100		
41	37.4	27.2	40.8
56	31.1	25.7	38.5



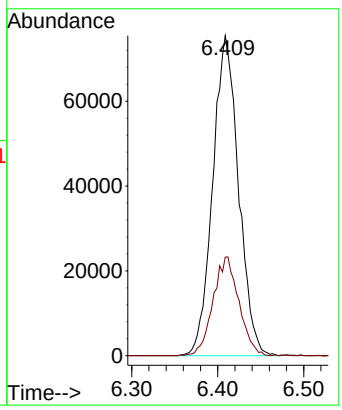


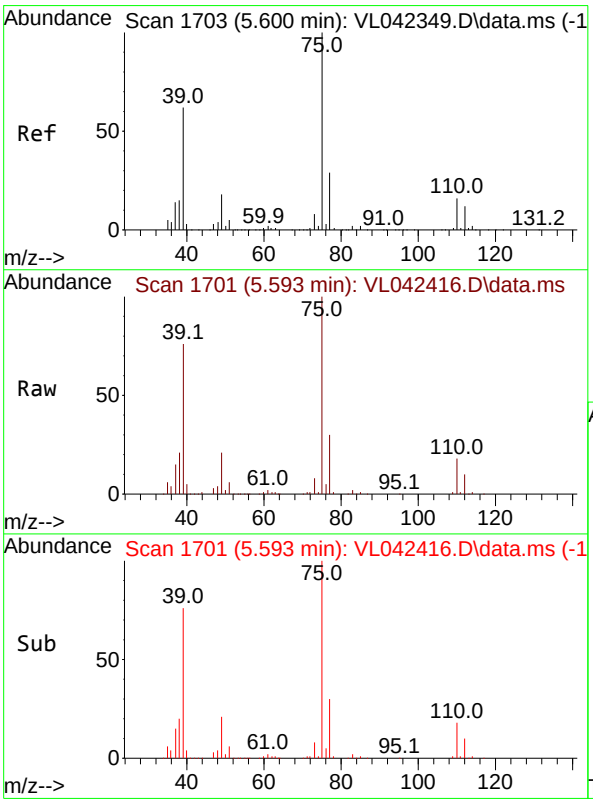
#45
t-1,3-Dichloropropene
Concen: 9.175 ppbv
RT: 6.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 157191

Ion	Ratio	Lower	Upper
75	100		
77	30.8	27.0	40.6

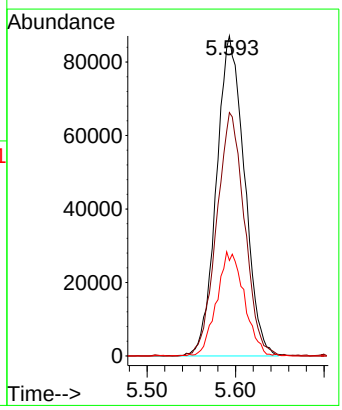


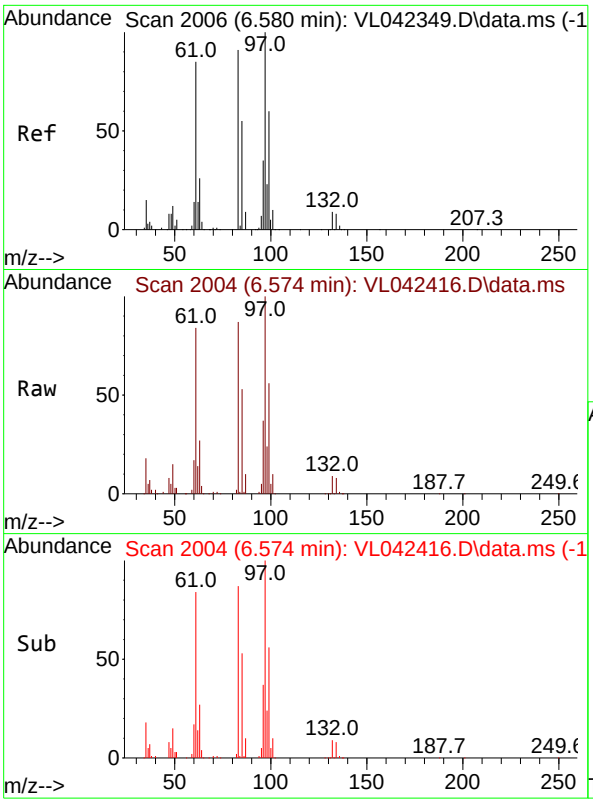


#46
cis-1,3-Dichloropropene
Concen: 9.117 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 75 Resp: 191165

Ion	Ratio	Lower	Upper
75	100		
39	75.9	50.0	75.0#
77	29.8	23.0	34.6



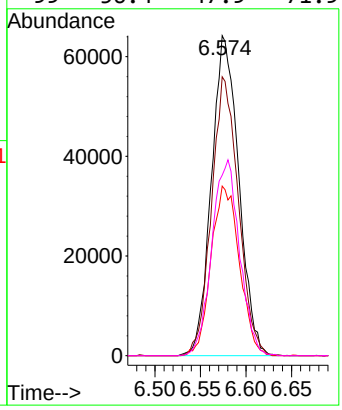


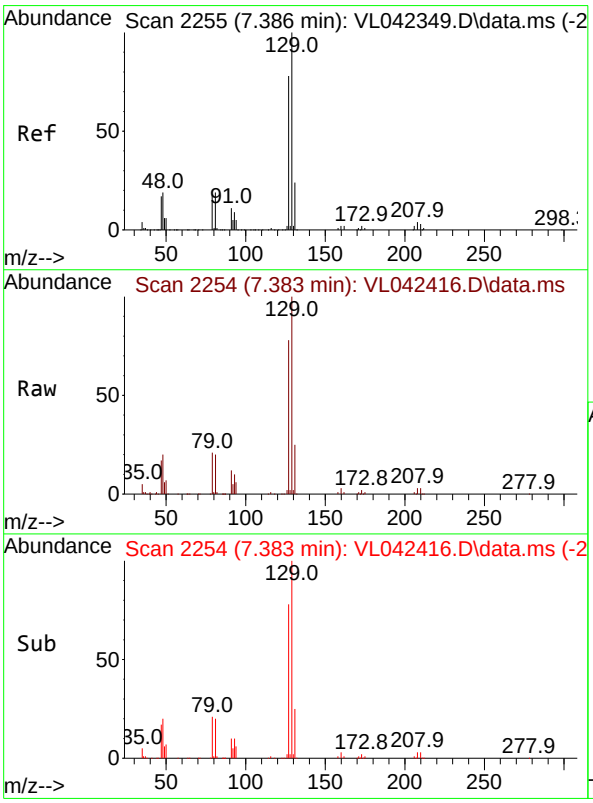
#47
1,1,2-Trichloroethane
Concen: 9.471 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 133821

Ion	Ratio	Lower	Upper
97	100		
83	87.2	72.8	109.2
85	53.0	44.2	66.4
99	56.4	47.9	71.9

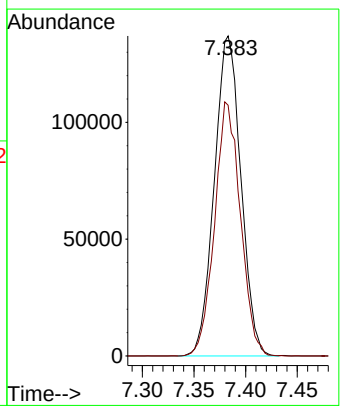


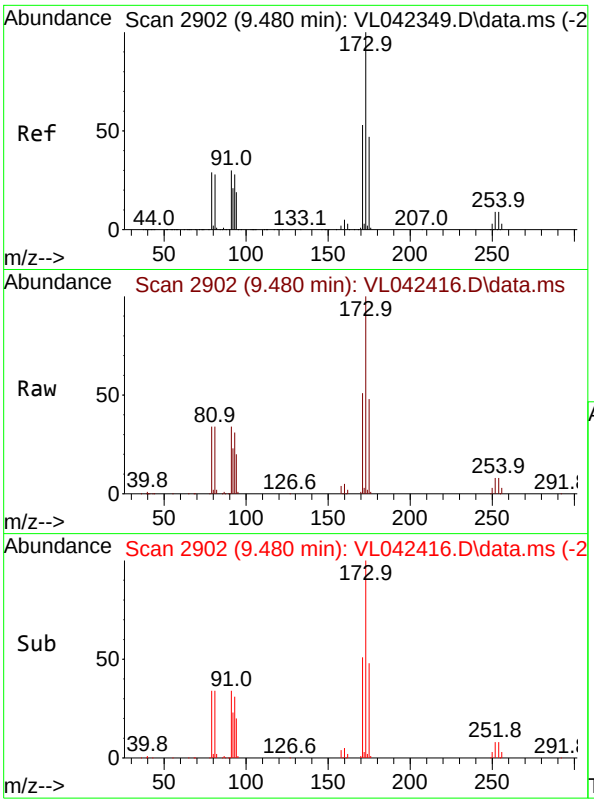


#48
Dibromochloromethane
Concen: 9.832 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:129 Resp: 245439

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.3



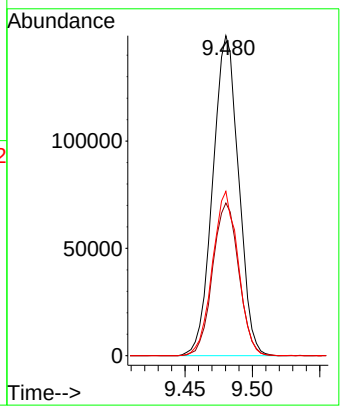


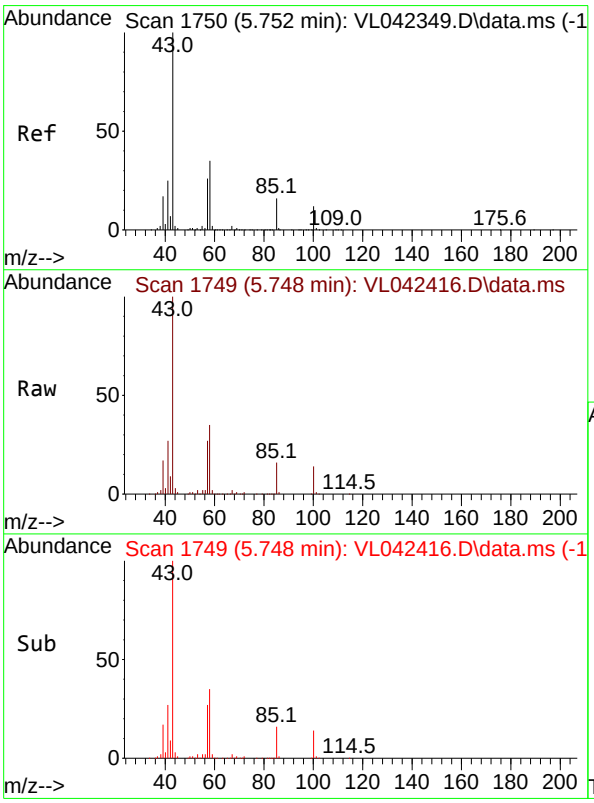
#49
Bromoform
Concen: 9.117 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 198991

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.2	57.2
171	51.0	40.9	61.3

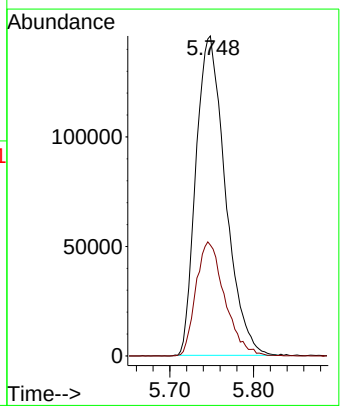


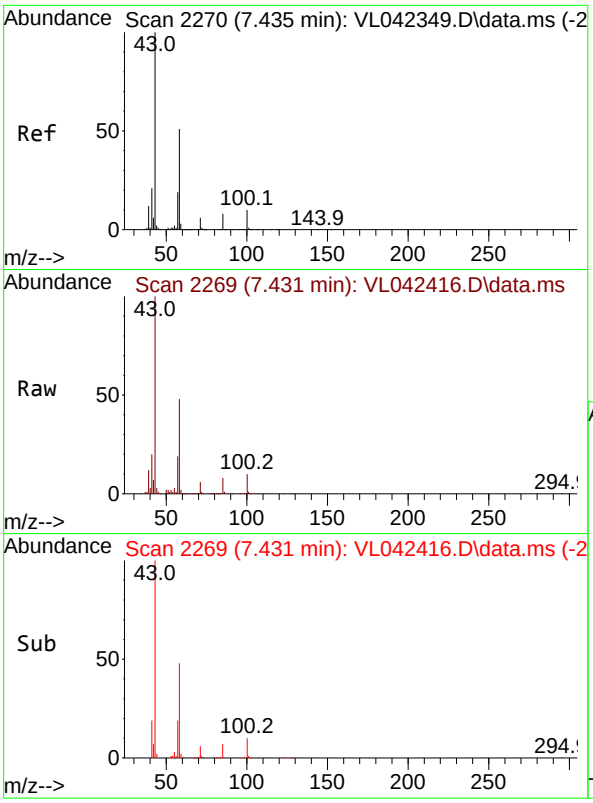


#50
4-Methyl-2-Pentanone
Concen: 7.854 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 356129

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	43.0



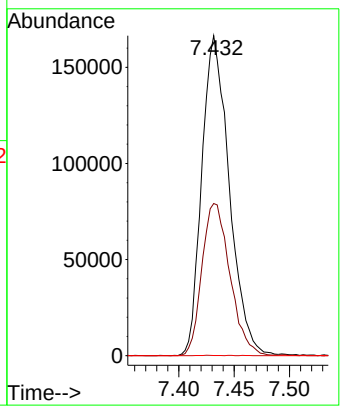


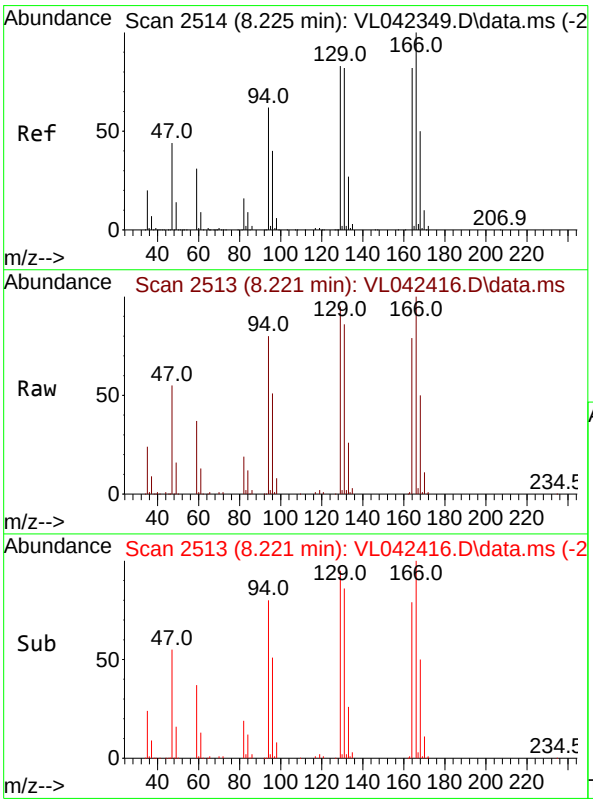
#51
2-Hexanone
Concen: 7.058 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 287045

Ion	Ratio	Lower	Upper
43	100		
58	48.8	40.2	60.4
98	0.1	0.1	0.1

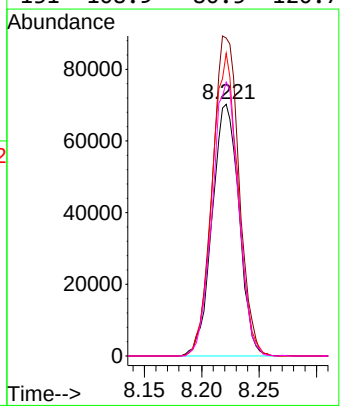


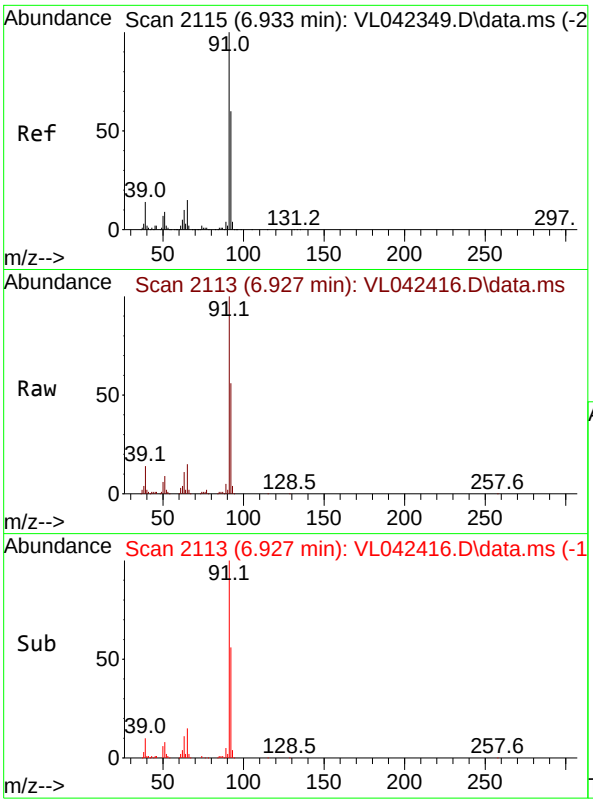


#52
Tetrachloroethene
Concen: 7.928 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:164 Resp: 114038

Ion	Ratio	Lower	Upper
164	100		
166	126.3	98.2	147.2
129	120.3	81.8	122.8
131	108.9	80.5	120.7



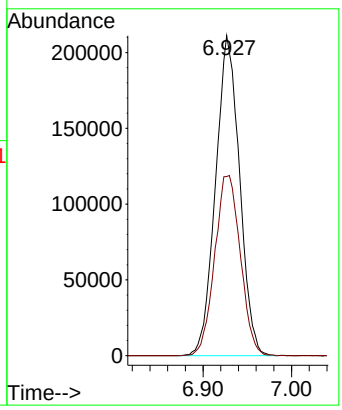


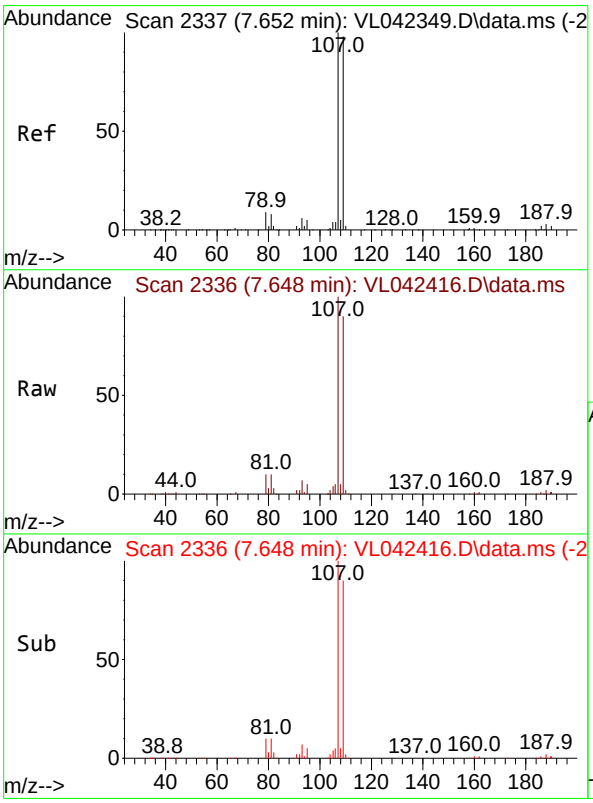
#53
Toluene
Concen: 8.916 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 398162

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4

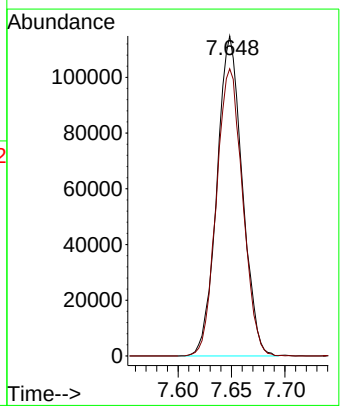


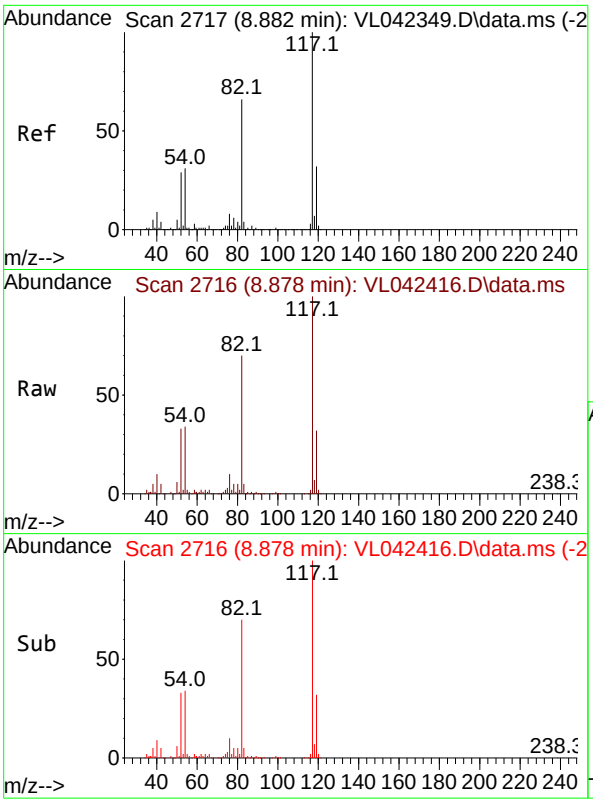


#54
1,2-Dibromoethane
Concen: 9.378 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:107 Resp: 189639

Ion	Ratio	Lower	Upper
107	100		
109	89.8	78.2	117.4



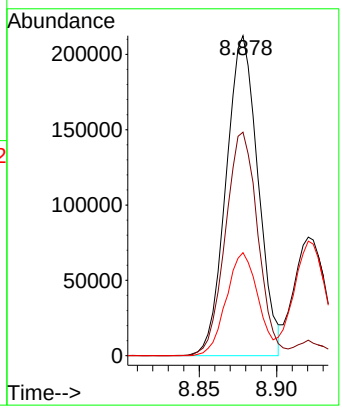


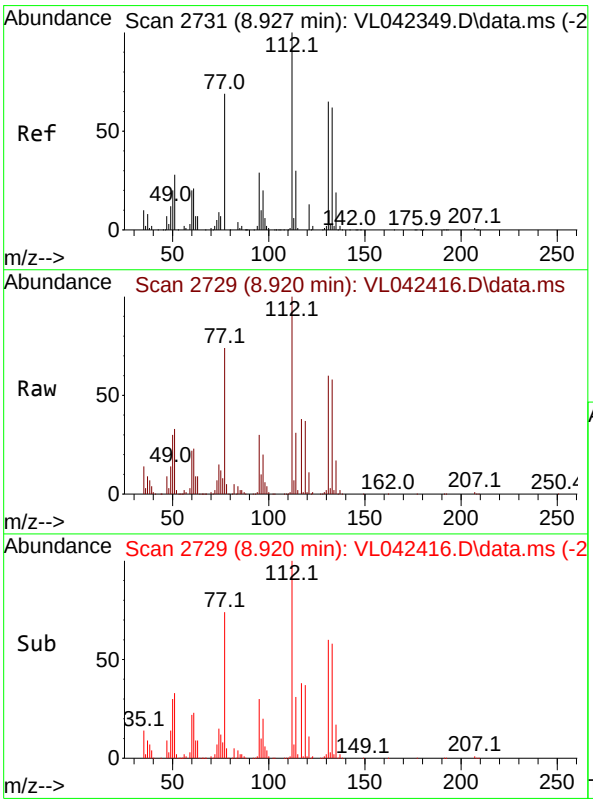
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 305240

Ion	Ratio	Lower	Upper
117	100		
82	75.0	57.8	86.6
119	31.9	25.2	37.8

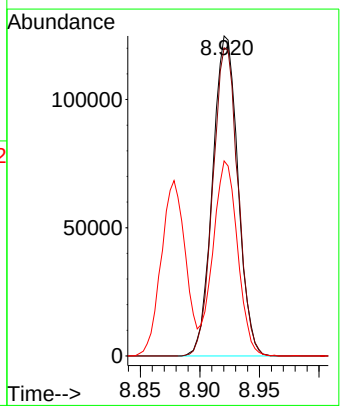


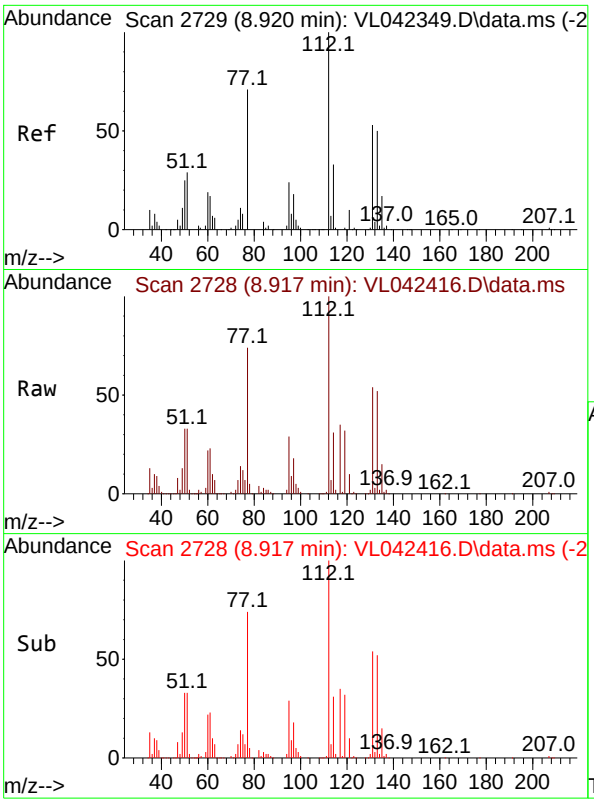


#56
1,1,1,2-Tetrachloroethane
Concen: 9.969 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:131 Resp: 184161

Ion	Ratio	Lower	Upper
131	100		
133	95.8	78.3	117.5
119	58.3	48.7	73.1



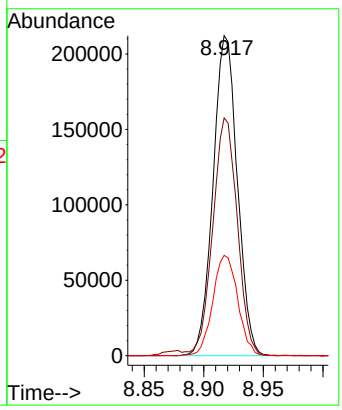


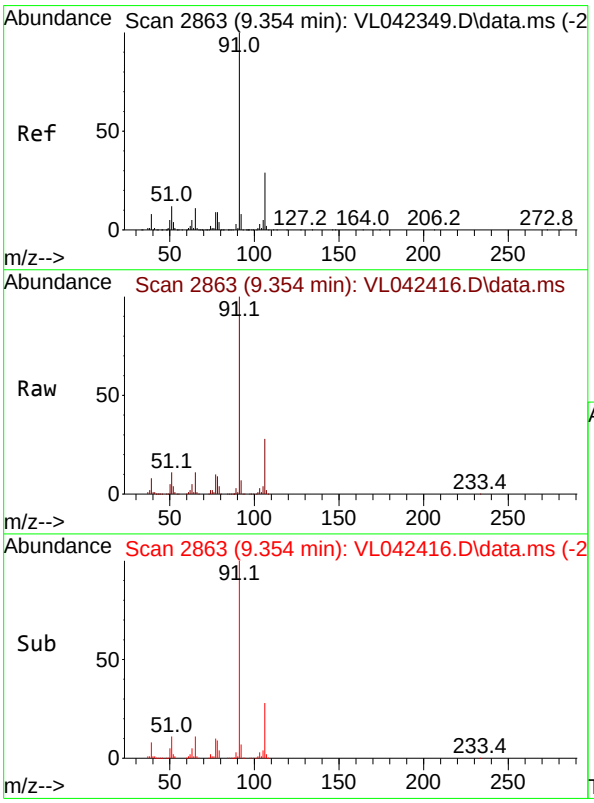
#57
Chlorobenzene
Concen: 9.471 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 300677

Ion	Ratio	Lower	Upper
112	100		
77	74.3	57.8	86.6
114	31.4	29.3	35.9

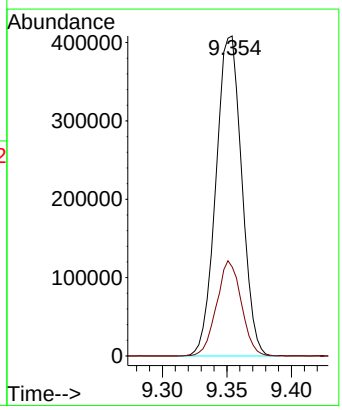


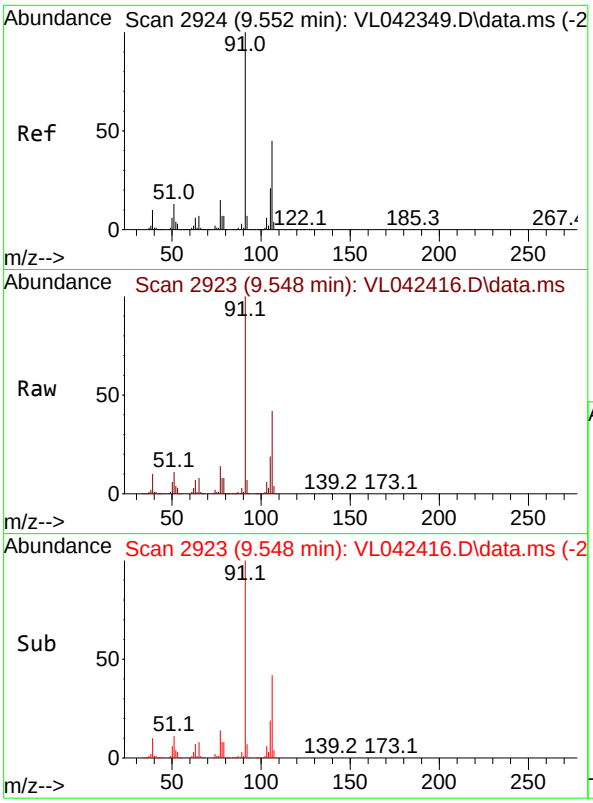


#58
Ethyl Benzene
Concen: 9.394 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 568129

Ion	Ratio	Lower	Upper
91	100		
106	27.8	23.0	34.4



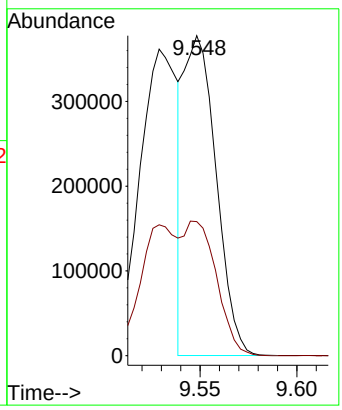


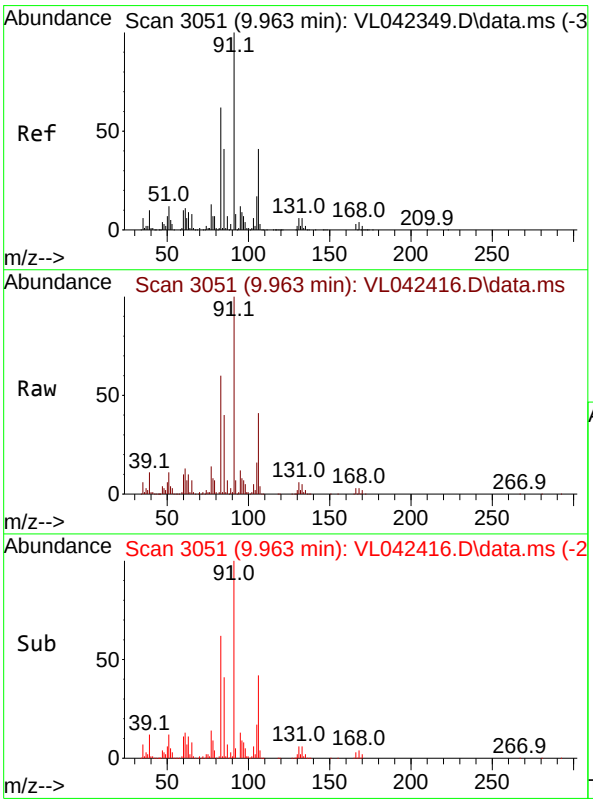
#59
m/p-Xylene
Concen: 8.998 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 438382

Ion	Ratio	Lower	Upper
91	100		
106	90.5	35.4	53.2#

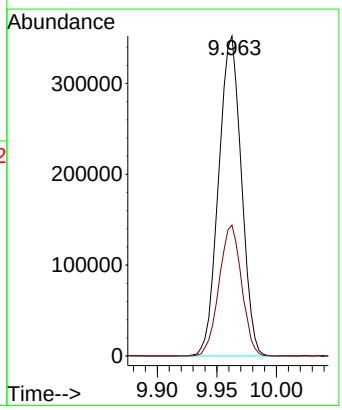


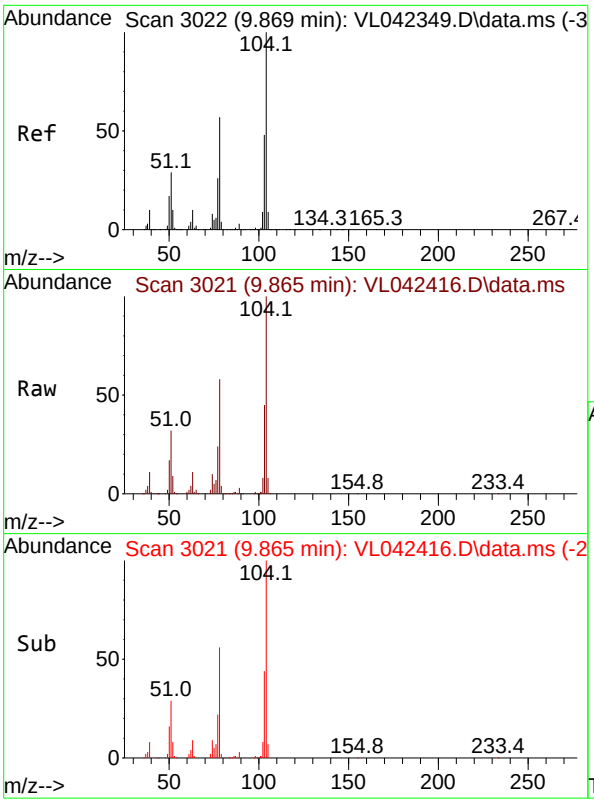


#60
o-Xylene
Concen: 9.507 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 466411

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.1	63.4



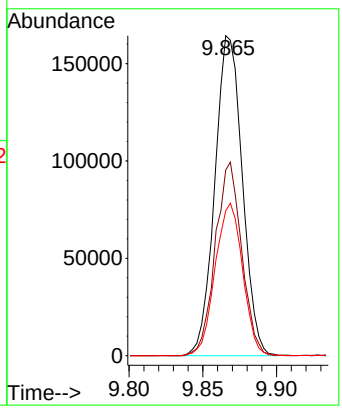


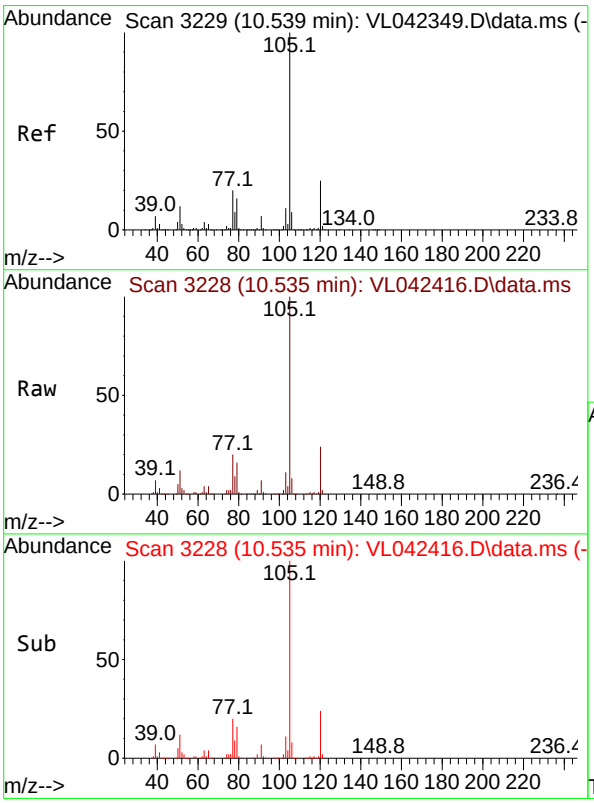
#61
Styrene
Concen: 9.101 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 213119

Ion	Ratio	Lower	Upper
104	100		
78	57.9	44.6	66.8
103	47.6	37.4	56.0

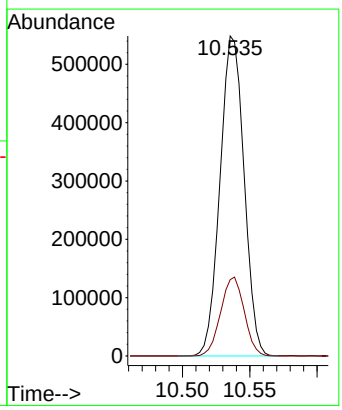


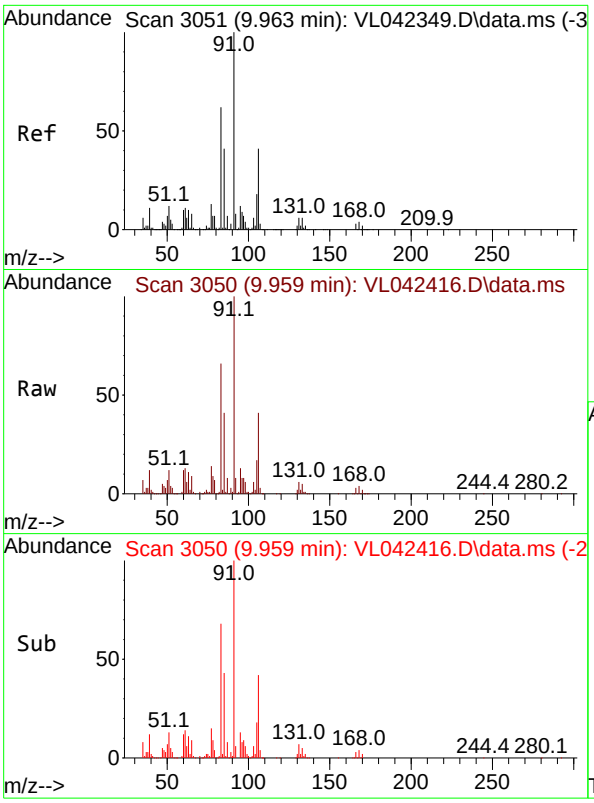


#62
Isopropylbenzene
Concen: 9.452 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 680837

Ion	Ratio	Lower	Upper
105	100		
120	24.1	19.8	29.8



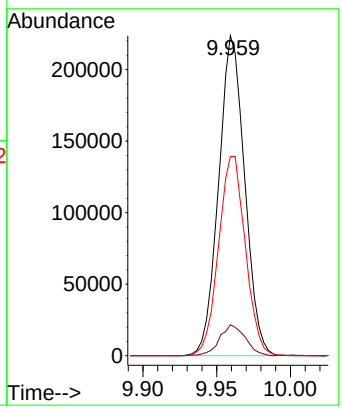


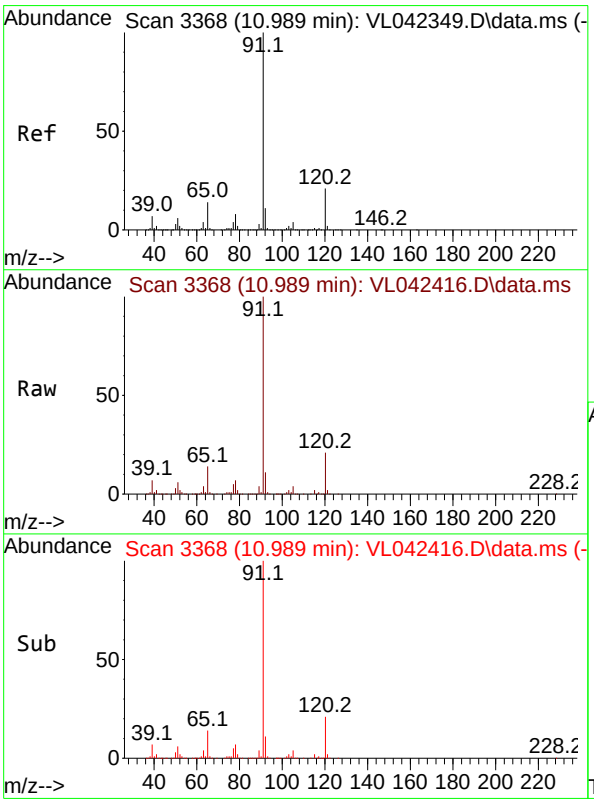
#63
1,1,2,2-Tetrachloroethane
Concen: 8.639 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 274653

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.7
85	64.2	32.4	97.0

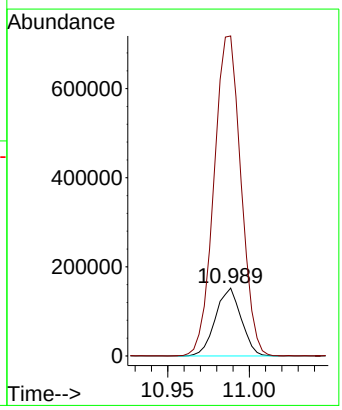


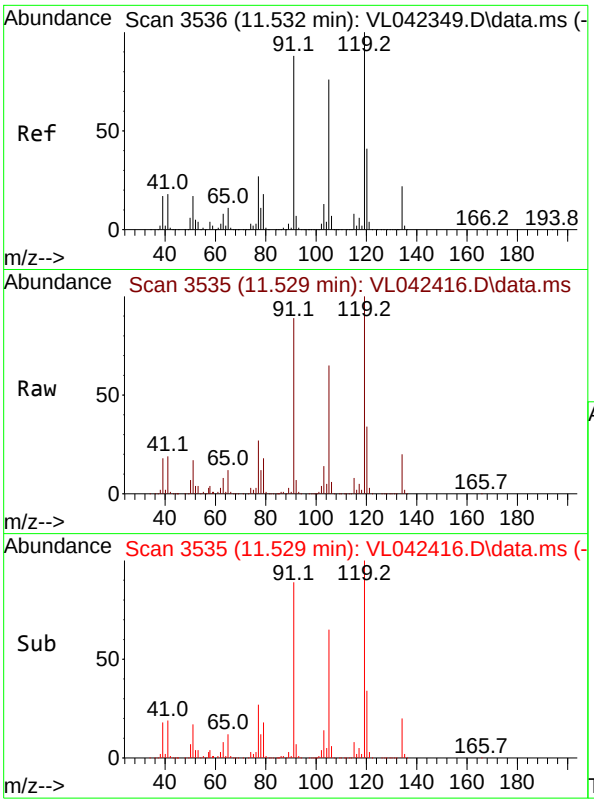


#64
n-propylbenzene
Concen: 9.223 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:120 Resp: 166984

Ion	Ratio	Lower	Upper
120	100		
91	495.0	392.4	588.6



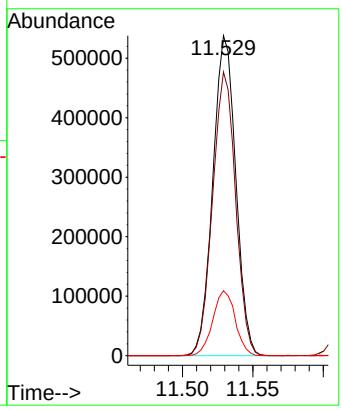


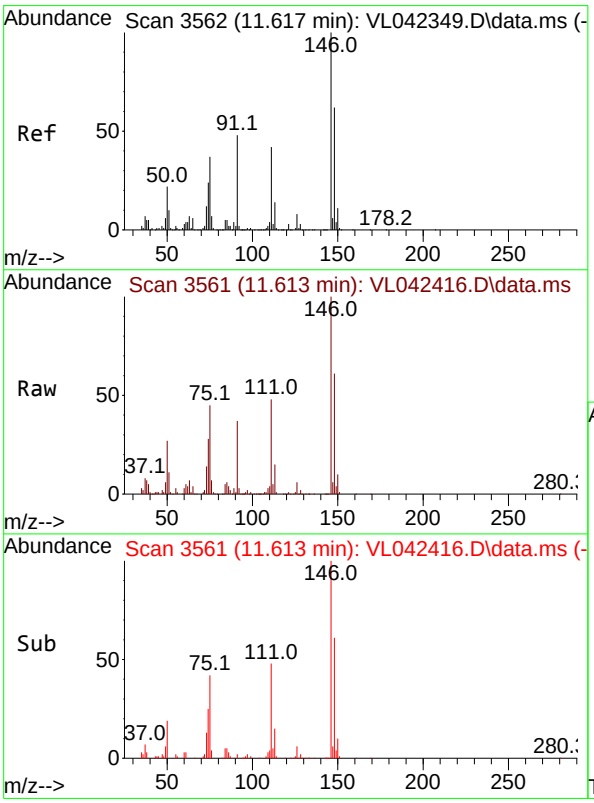
#65
tert-Butylbenzene
Concen: 9.219 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 610304

Ion	Ratio	Lower	Upper
119	100		
91	88.8	74.6	111.8
134	19.9	18.8	28.2

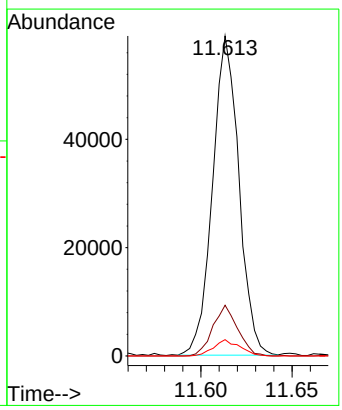


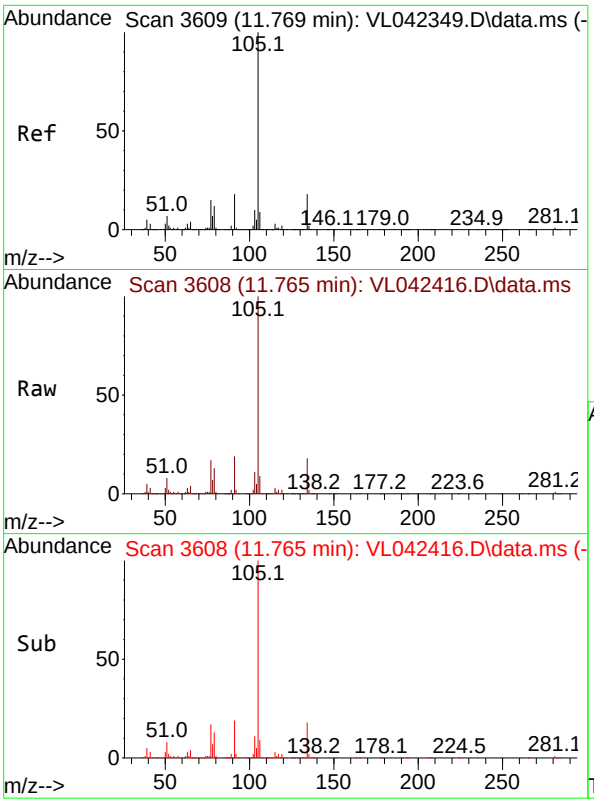


#66
Benzyl Chloride
Concen: 8.136 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 59187

Ion	Ratio	Lower	Upper
91	100		
126	15.1	11.8	17.6
128	5.1	4.5	6.7



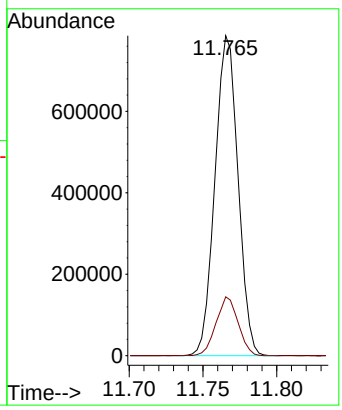


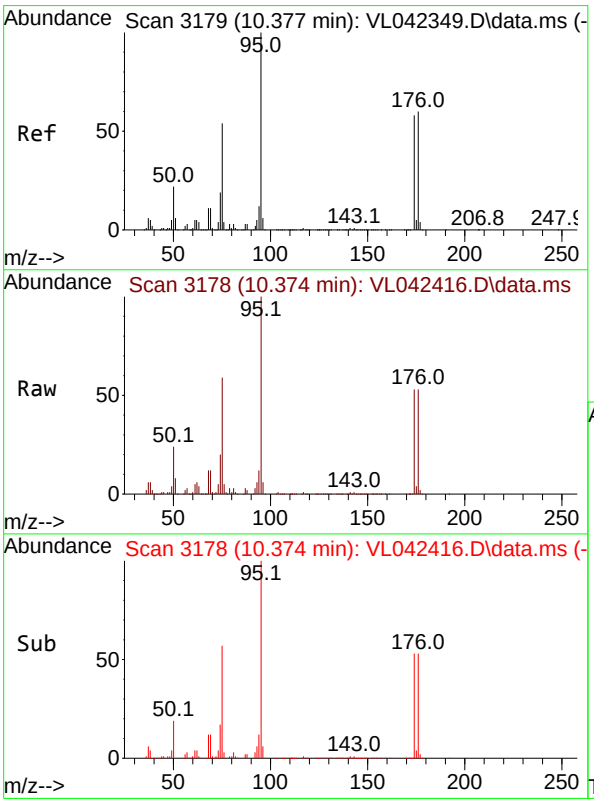
#67
sec-Butylbenzene
Concen: 9.276 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 854169

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.6	21.8

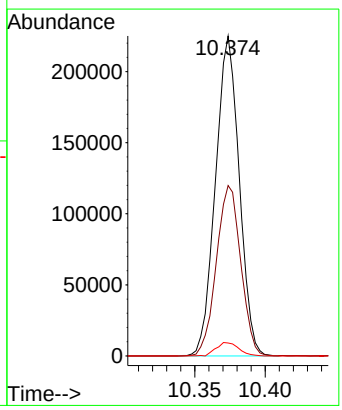


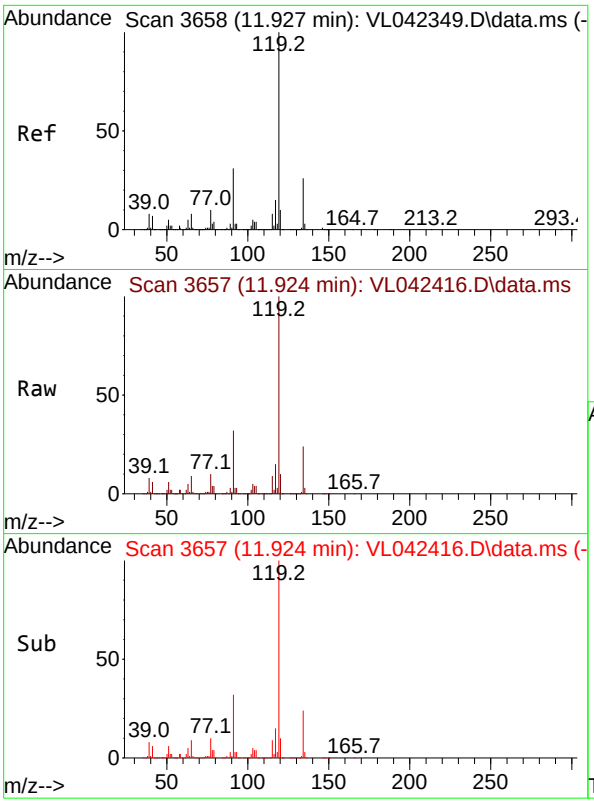


#68
1-Bromo-4-Fluorobenzene
Concen: 10.533 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 95 Resp: 264197

Ion	Ratio	Lower	Upper
95	100		
174	54.7	48.5	72.7
175	4.0	3.7	5.5



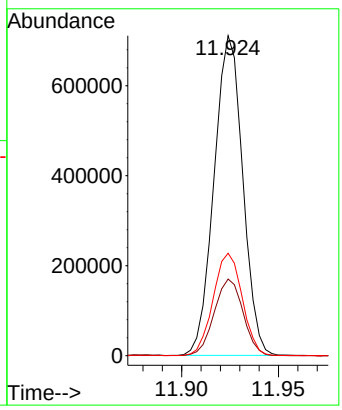


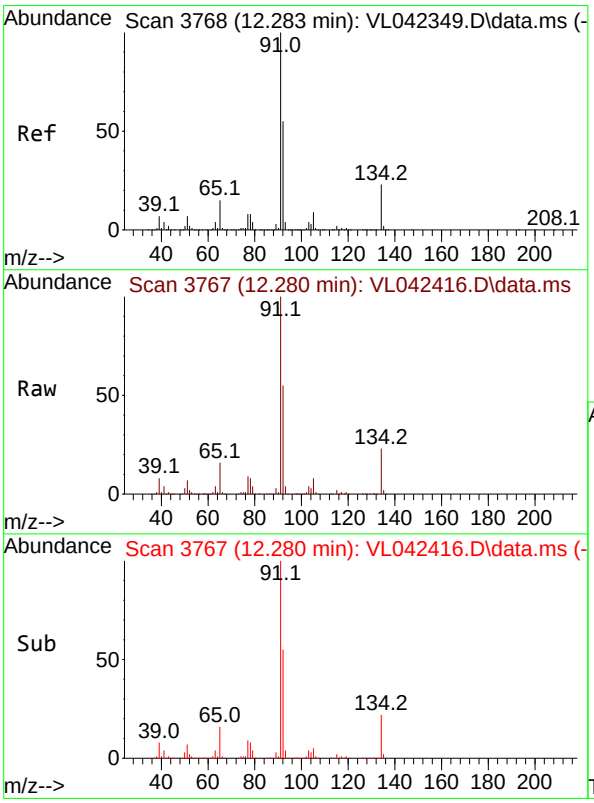
#69
p-Isopropyltoluene
Concen: 9.155 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 732365

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.0	30.0
91	32.7	24.4	36.6

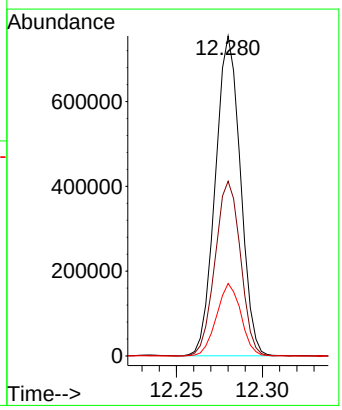


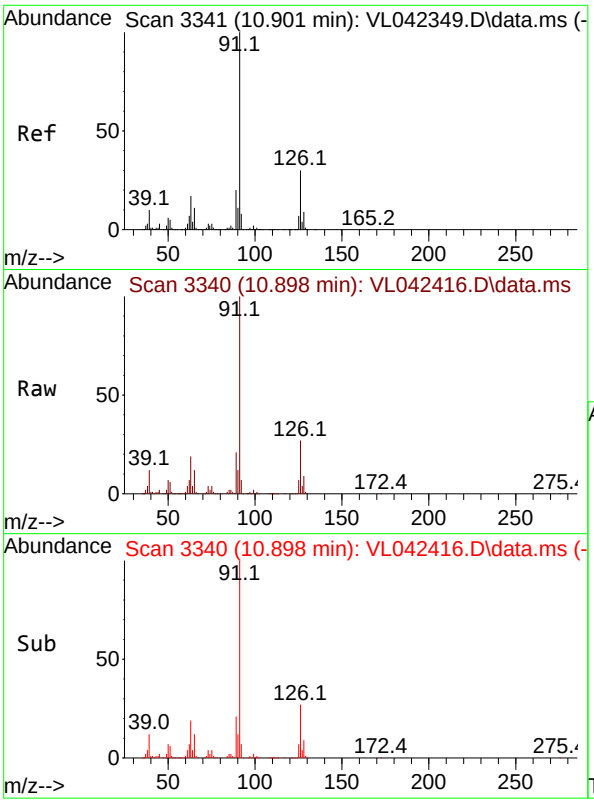


#70
n-Butylbenzene
Concen: 9.188 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 765539

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.2	66.4
134	22.1	18.2	27.4



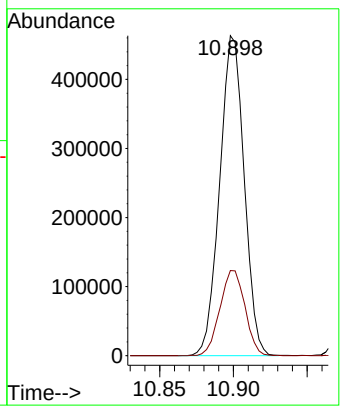


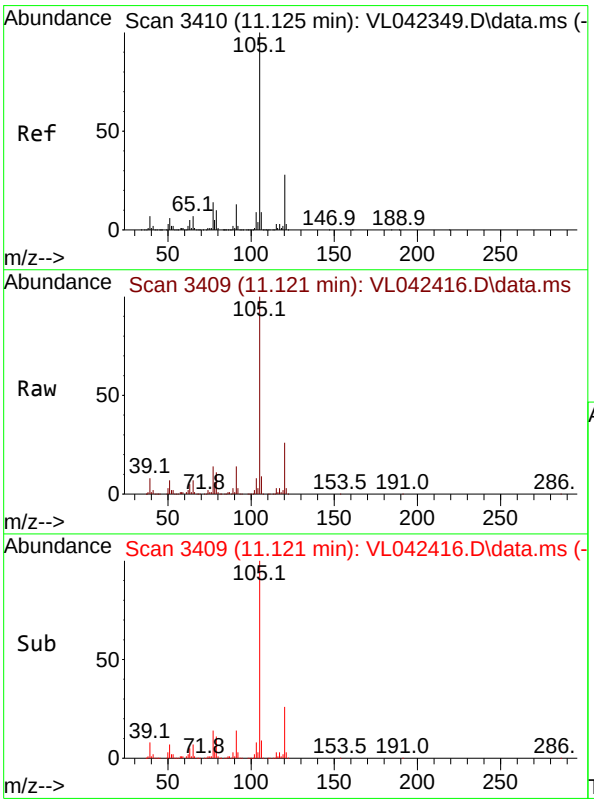
#71
2-Chlorotoluene
Concen: 9.467 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 534834

Ion	Ratio	Lower	Upper
91	100		
126	27.2	11.4	45.4

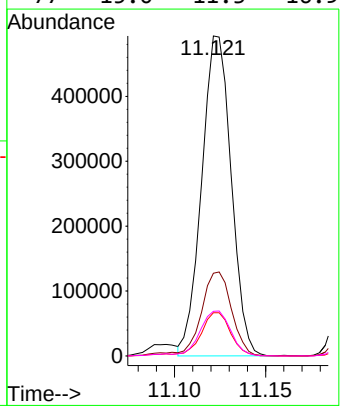


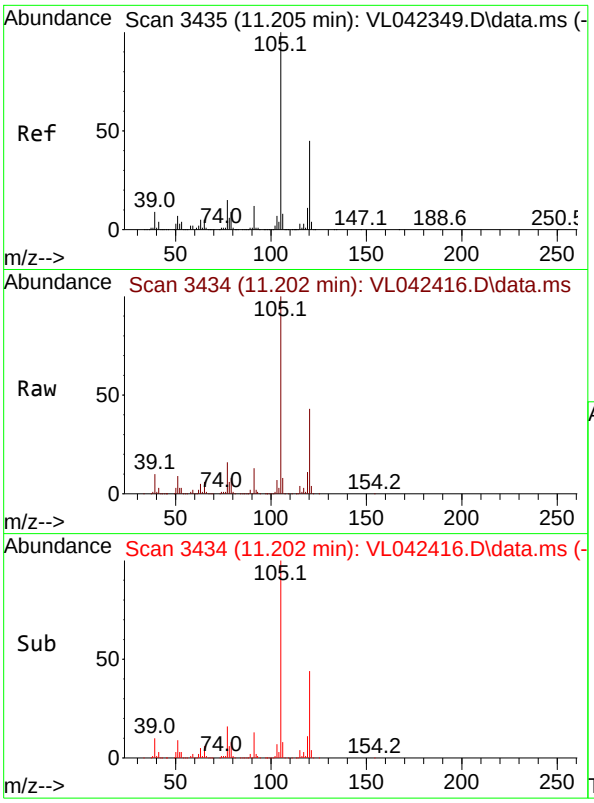


#72
4-Ethyltoluene
Concen: 9.280 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 556591

Ion	Ratio	Lower	Upper
105	100		
120	27.4	23.2	34.8
91	13.9	10.4	15.6
77	15.0	11.3	16.9



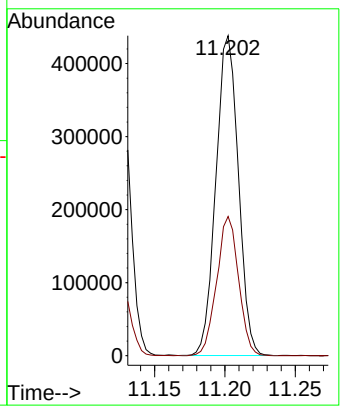


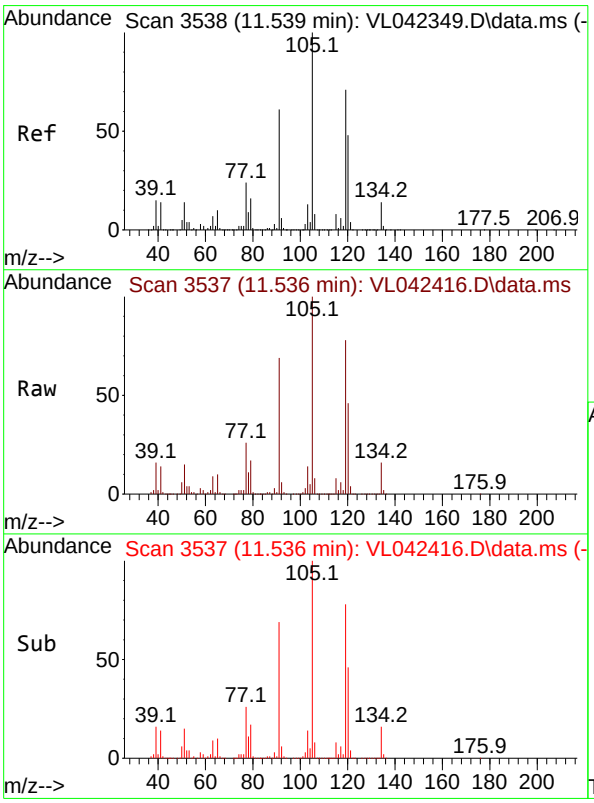
#73
1,3,5-Trimethylbenzene
Concen: 9.201 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 487223

Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.6	53.4

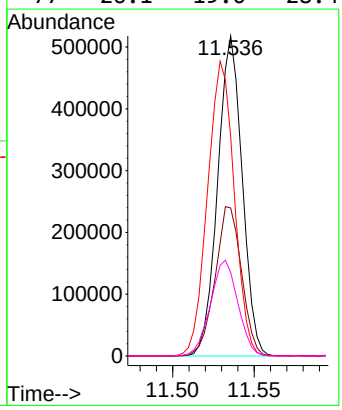


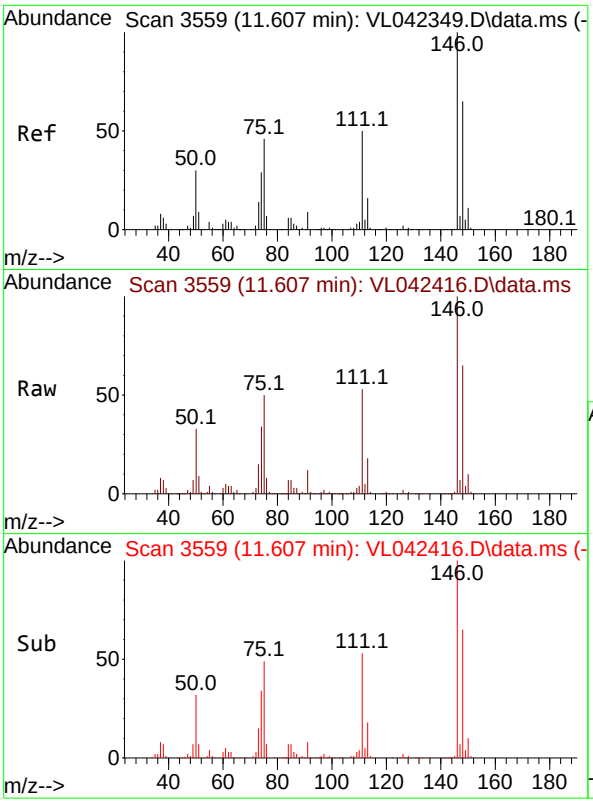


#74
1,2,4-Trimethylbenzene
Concen: 8.759 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 541720

Ion	Ratio	Lower	Upper
105	100		
120	46.2	38.1	57.1
91	68.6	48.8	73.2
77	26.1	19.0	28.4



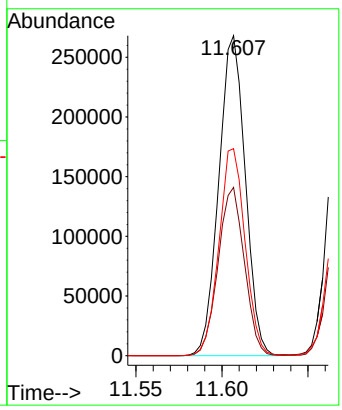


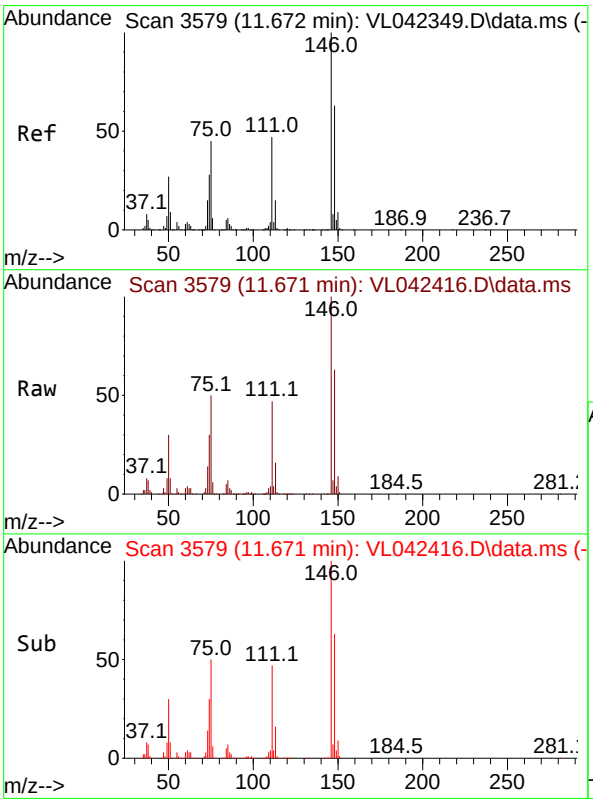
#75
1,3-Dichlorobenzene
Concen: 8.936 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 287285

Ion	Ratio	Lower	Upper
146	100		
111	52.1	24.3	72.8
148	63.9	31.6	94.8

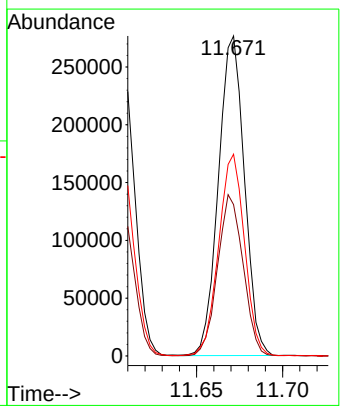


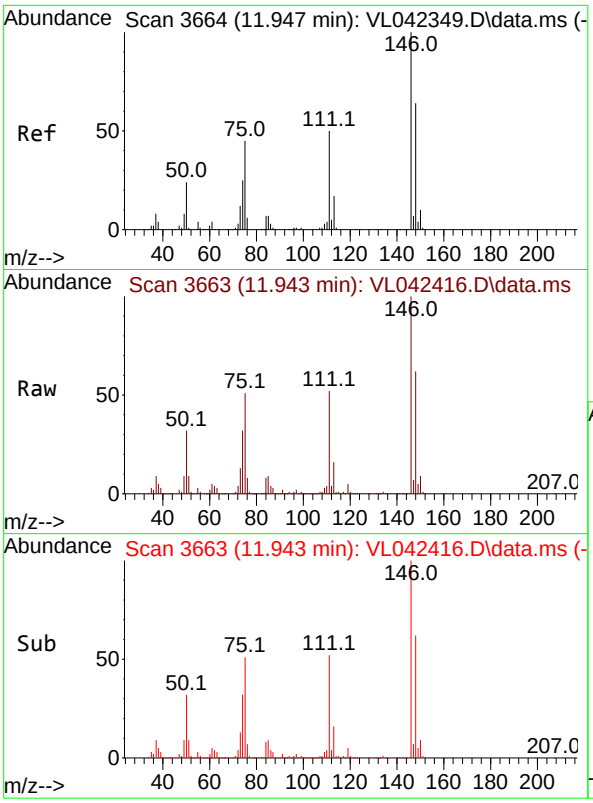


#76
1,4-Dichlorobenzene
Concen: 8.991 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:146 Resp: 290512

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.2	72.6
148	63.2	32.1	96.5



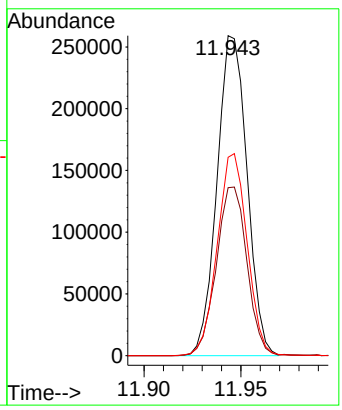


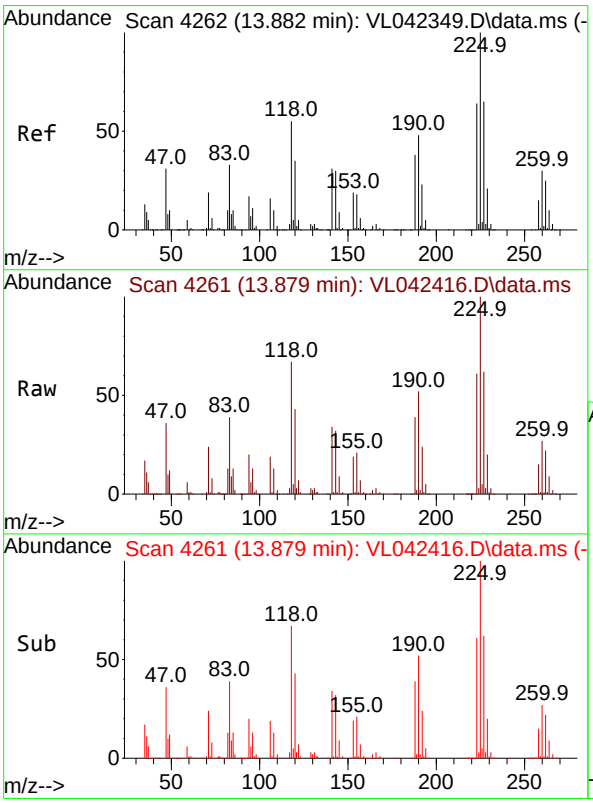
#77
1,2-Dichlorobenzene
Concen: 8.956 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 279962

Ion	Ratio	Lower	Upper
146	100		
111	53.8	25.3	75.9
148	62.9	31.5	94.5

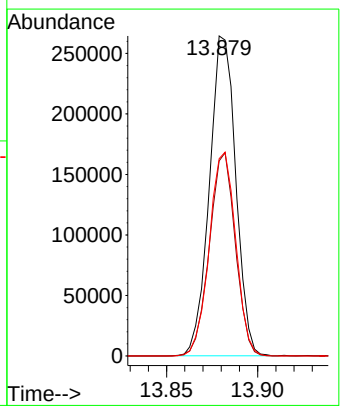


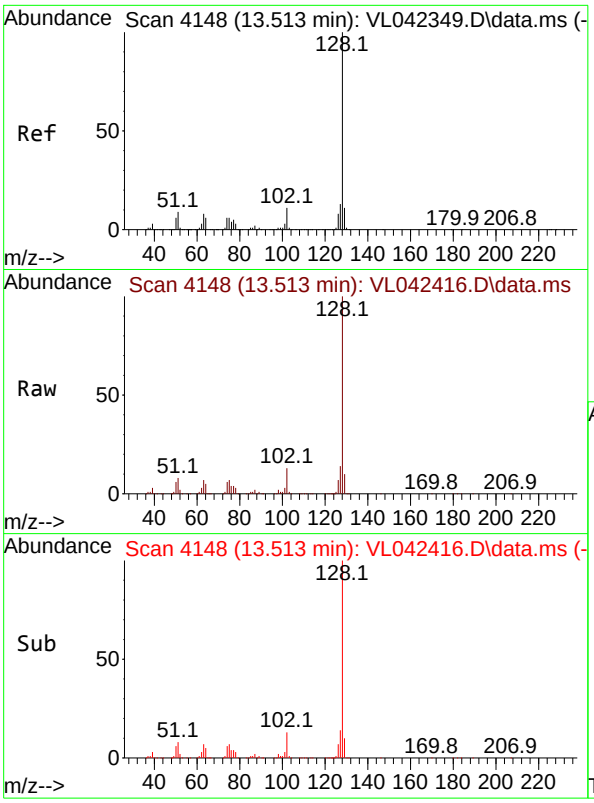


#78
Hexachloro-1,3-Butadiene
Concen: 8.419 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:225 Resp: 265745

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	64.0	51.5	77.3



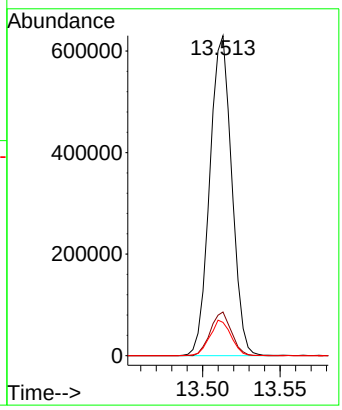


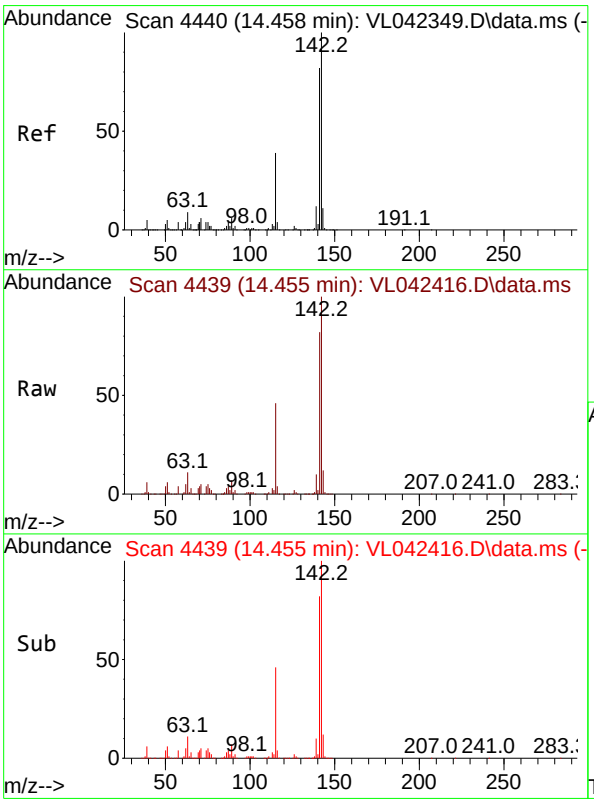
#79
Naphthalene
Concen: 8.418 ppbv
RT: 13.513 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 622606

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	10.4	8.6	12.8

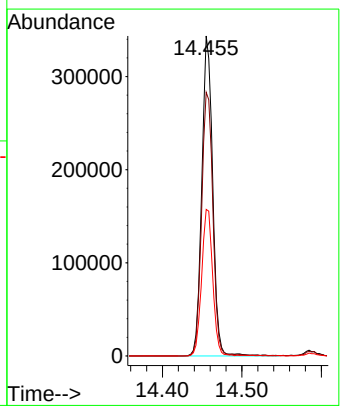


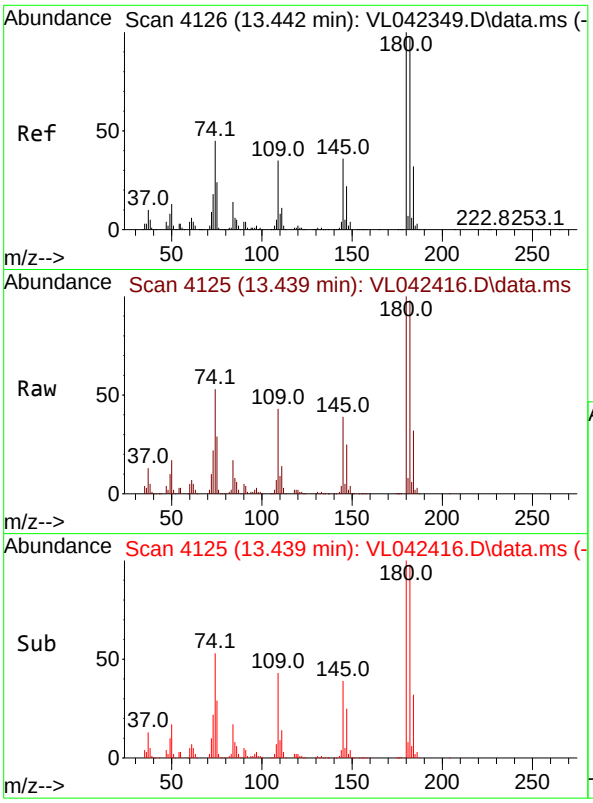


#80
Naphthalene,2-methyl-
Concen: 7.783 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:142 Resp: 328047

Ion	Ratio	Lower	Upper
142	100		
141	86.0	66.8	100.2
115	47.0	33.4	50.2



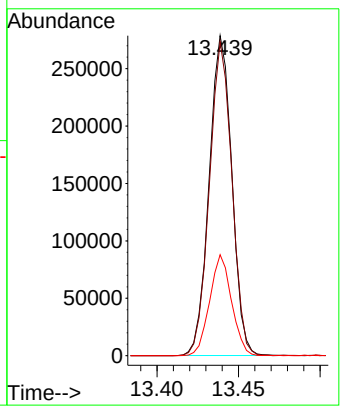


#81
1,2,4-Trichlorobenzene
Concen: 8.493 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 269711

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
184	30.6	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042418.D
Acq On : 28 Apr 2025 10:10
Operator : SY/MD
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Quant Time: Apr 29 01:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.780	49	122448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	337202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	299130	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	258626	10.521	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	216893	10.025	ppbv	99
3) Chlorodifluoromethane	1.473	51	187830	9.117	ppbv	97
4) Chloromethane	1.531	50	82976	9.692	ppbv	98
5) Vinyl Chloride	1.576	62	81506	8.746	ppbv	96
6) Bromomethane	1.664	94	37549	9.379	ppbv	86
7) Chloroethane	1.703	64	31924	9.472	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	184850	9.952	ppbv	95
9) Propene	1.482	41	74980	7.992	ppbv	95
10) Heptane	4.968	43	199403	7.565	ppbv	99
11) Trichlorofluoromethane	1.874	101	205815	10.004	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	161799	9.619	ppbv	97
13) Ethanol	1.719	45	4439	2.977	ppbv	81
14) Bromoethene	1.780	108	60748	9.581	ppbv	97
15) Acetone	1.832	43	172651	8.613	ppbv	99
16) 1,3-Butadiene	1.605	39	86553	9.028	ppbv	94
17) tert-Butyl alcohol	2.036	59	221069	8.899	ppbv	100
18) 1,1-Dichloroethene	2.029	96	72496	9.225	ppbv	98
19) Isopropyl Alcohol	1.884	45	97525	8.758	ppbv	88
20) Methylene Chloride	2.059	84	62175	7.920	ppbv	89
21) Allyl Chloride	2.091	41	124058	8.964	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	82175	9.184	ppbv	97
23) Vinyl Acetate	2.457	43	67206	8.283	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	159644	9.393	ppbv	99
25) Ethyl Acetate	2.832	43	419372	8.485	ppbv	99
26) Hexane	2.819	57	162255	8.112	ppbv	99
27) Carbon Disulfide	2.146	76	200806	9.377	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	114239	8.718	ppbv	92
29) Chloroform	2.842	83	275655	9.751	ppbv	100
30) Cyclohexane	3.848	84	138766	8.583	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	179960	9.464	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	301358	9.469	ppbv	100
34) 2-Butanone	2.554	43	230104	8.628	ppbv	99
35) Carbon Tetrachloride	3.755	117	302298	9.906	ppbv	96
36) Benzene	3.648	78	329117	9.049	ppbv	94
37) 1,2-Dichloroethane	3.214	62	232279	10.641	ppbv	97
38) Trichloroethene	4.541	130	131178	8.252	ppbv	93
39) 1,2-Dichloropropane	4.308	63	119692	8.831	ppbv	93
40) 1,4-Dioxane	4.577	88	59666	8.010	ppbv #	91
41) Tetrahydrofuran	3.049	42	131046	8.428	ppbv	98
42) Bromodichloromethane	4.480	83	310553	10.222	ppbv #	99
43) Methyl Methacrylate	4.871	69	136249	8.312	ppbv	97
44) 2,2,4-Trimethylpentane	4.628	57	546967	8.707	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	152930	9.133	ppbv	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042418.D
Acq On : 28 Apr 2025 10:10
Operator : SY/MD
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Quant Time: Apr 29 01:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

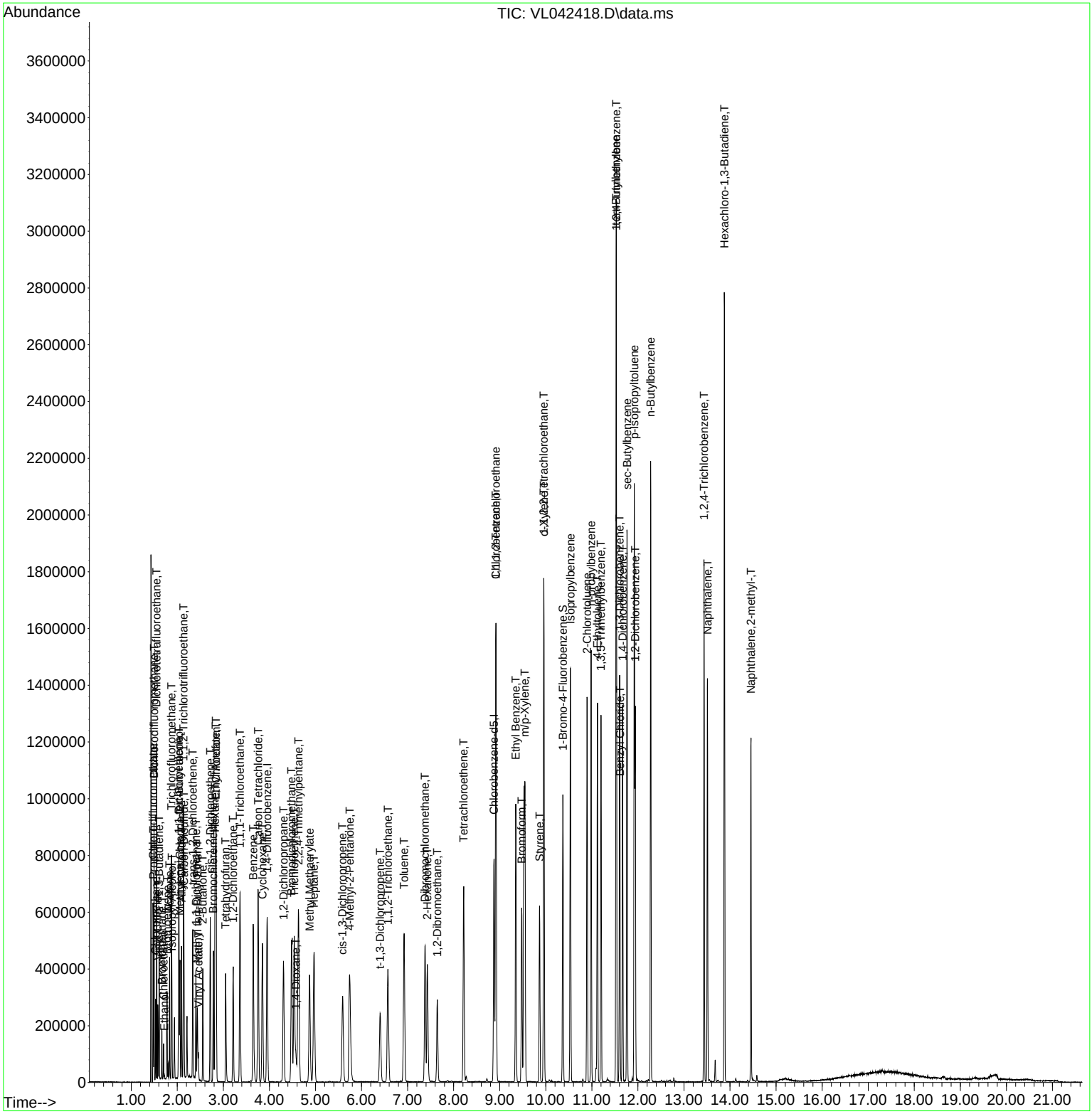
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	185557	9.055	ppbv		91
47) 1,1,2-Trichloroethane	6.574	97	130821	9.474	ppbv		95
48) Dibromochloromethane	7.376	129	237927	9.753	ppbv		100
49) Bromoform	9.477	173	196872	9.229	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	342379	7.726	ppbv		98
51) 2-Hexanone	7.428	43	280580	7.060	ppbv	#	95
52) Tetrachloroethene	8.218	164	113273	8.058	ppbv		95
53) Toluene	6.923	91	388626	8.904	ppbv		99
54) 1,2-Dibromoethane	7.642	107	181632	9.191	ppbv		92
56) 1,1,1,2-Tetrachloroethane	8.917	131	180122	9.949	ppbv		96
57) Chlorobenzene	8.917	112	294922	9.480	ppbv		97
58) Ethyl Benzene	9.347	91	552423	9.321	ppbv		100
59) m/p-Xylene	9.545	91	434048	9.091	ppbv	#	31
60) o-Xylene	9.959	91	457491	9.515	ppbv		98
61) Styrene	9.865	104	208517	9.086	ppbv		97
62) Isopropylbenzene	10.535	105	673842	9.546	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.956	83	273641	8.783	ppbv		100
64) n-propylbenzene	10.985	120	164482	9.271	ppbv		98
65) tert-Butylbenzene	11.526	119	612519	9.441	ppbv		95
66) Benzyl Chloride	11.610	91	54781	7.684	ppbv		98
67) sec-Butylbenzene	11.765	105	846457	9.380	ppbv		99
69) p-Isopropyltoluene	11.921	119	722909	9.221	ppbv		97
70) n-Butylbenzene	12.277	91	771835	9.452	ppbv		98
71) 2-Chlorotoluene	10.898	91	532755	9.623	ppbv		96
72) 4-Ethyltoluene	11.121	105	554770	9.438	ppbv		97
73) 1,3,5-Trimethylbenzene	11.199	105	481697	9.283	ppbv		94
74) 1,2,4-Trimethylbenzene	11.532	105	537510	8.869	ppbv	#	89
75) 1,3-Dichlorobenzene	11.603	146	284652	9.035	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	284740	8.992	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	278619	9.095	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	271569	8.779	ppbv		99
79) Naphthalene	13.510	128	614768	8.482	ppbv		100
80) Naphthalene,2-methyl-	14.455	142	316027	7.651	ppbv		96
81) 1,2,4-Trichlorobenzene	13.435	180	271657	8.729	ppbv		98

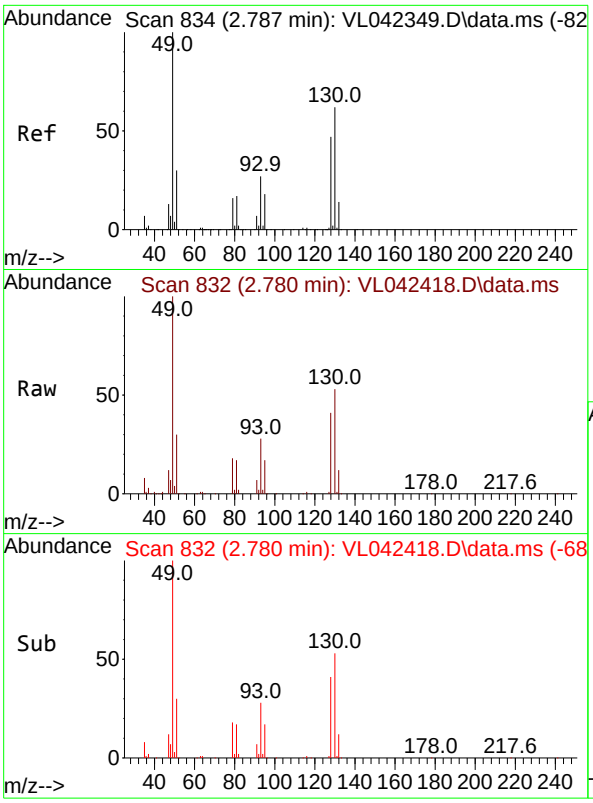
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042418.D
Acq On : 28 Apr 2025 10:10
Operator : SY/MD
Sample : VL0428ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Quant Time: Apr 29 01:32:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration


Abundance
TIC: VL042418.D\data.ms
Time-->
Hexachloro-1,3-Butadiene,T
1,2,4-Trichlorobenzene,T
Naphthalene,T
Naphthalene,2-methyl-,T
sec-Butylbenzene
p-Isopropyltoluene
n-Butylbenzene
1,2-Dichlorobenzene,T
1,4-Dichlorobenzene,I
Benzyl Chloride,T
1-Bromo-4-Fluorobenzene,S
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene
Ethyl Benzene,T
m/p-Xylene,T
Bromoform,T
Styrene,T
Chlorobenzene-d5,I
Tetrachloroethene,T
1,2-Dibromoethane,T
t-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Toluene,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Methyl Methacrylate
1,2-Dichloropropane,T
Benzene,T
Cyclohexane
1,4-Dioxane,T
Heptane,T
1,2-Dichloroethane,T
1,1,1-Trichloroethane,T
Tetrachloromethane,T
Cyclohexane,T
Trichlorofluoromethane,T
Trichlorotrifluoroethane,T
Vinyl Acetate,T
Bromodichloromethane,T
Methyl Ethyl Ketone,T
Ethanol,T
Acetone,T
Isopropyl Alcohol,T
Acrylonitrile,T
Methylene Chloride,T
Carbon Disulfide,T
Methyl-t-Butyl Ether,T
Hexane,T
Vinyl Chloride,T
Chloroethane,T
Bromomethane,T
Trichlorofluoromethane

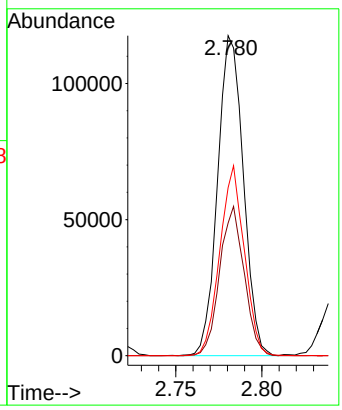


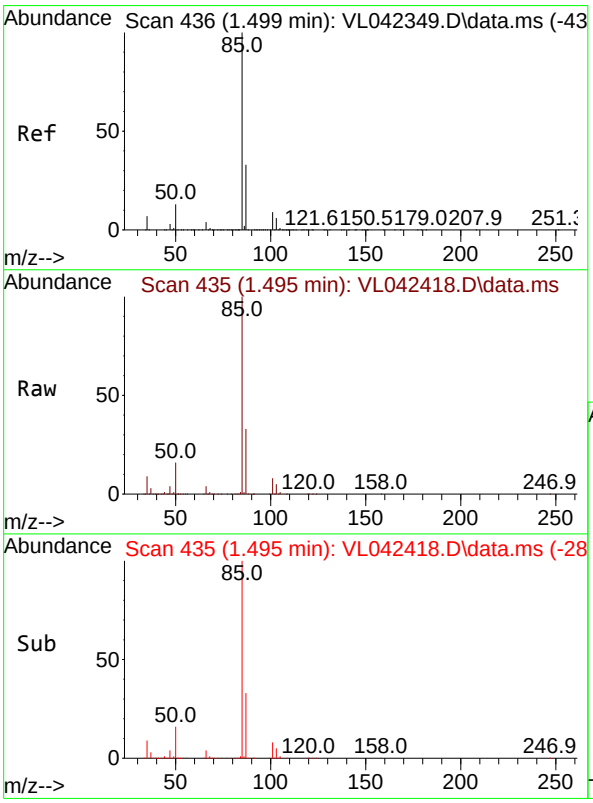
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 49 Resp: 122448

Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.8	68.4
130	56.4	29.3	88.0

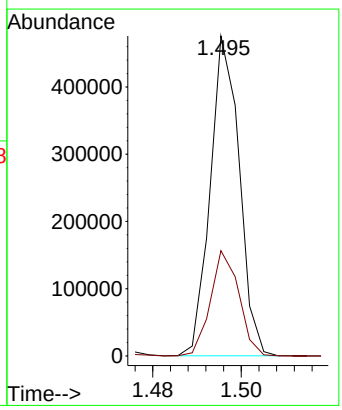


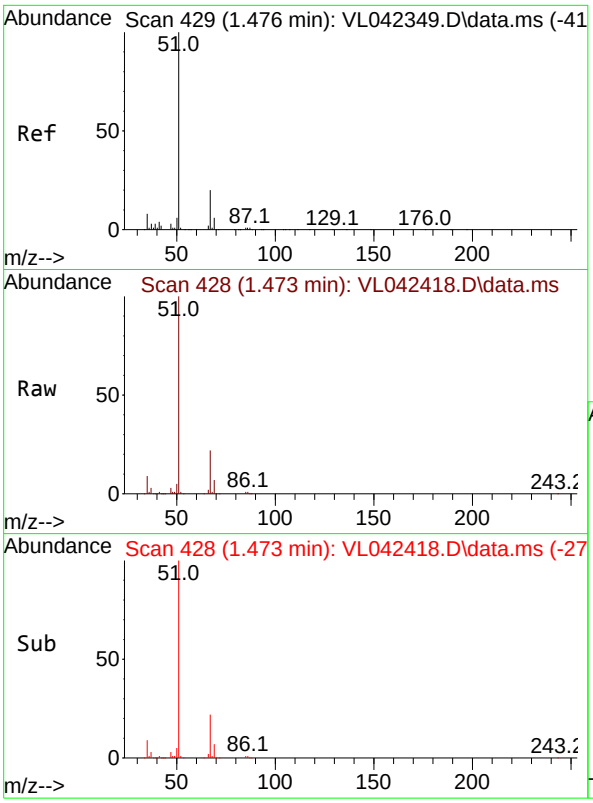


#2
Dichlorodifluoromethane
Concen: 10.025 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 85 Resp: 216893

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	39.8



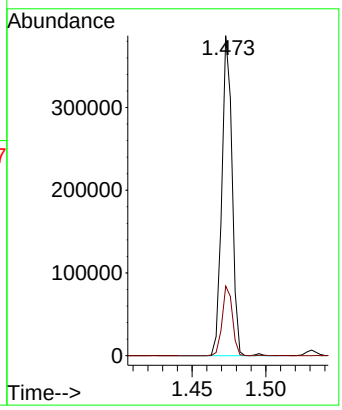


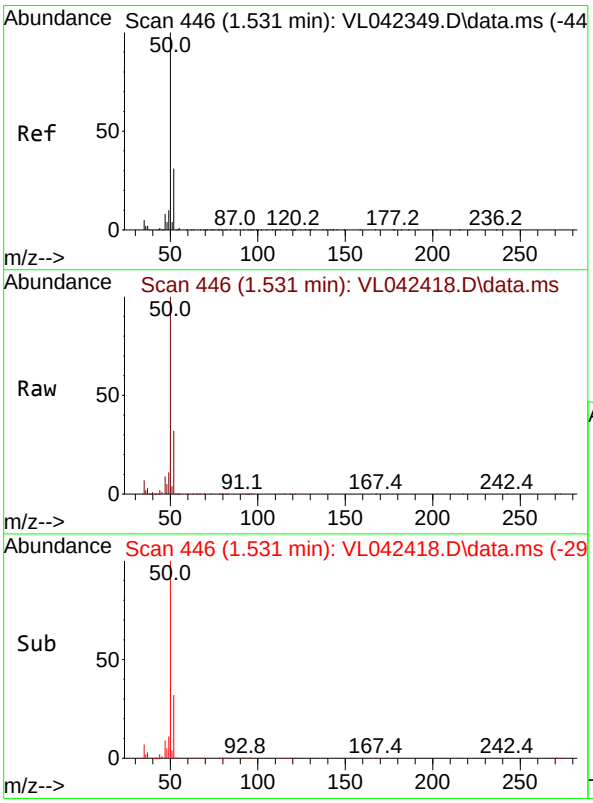
#3
Chlorodifluoromethane
Concen: 9.117 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 51 Resp: 187830

Ion	Ratio	Lower	Upper
51	100		
67	21.8	16.2	24.4

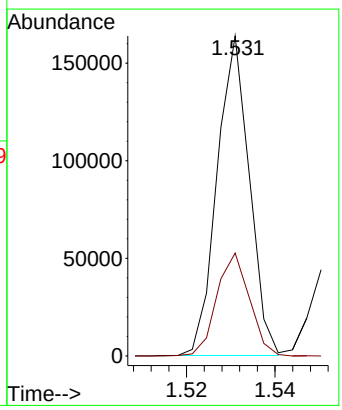


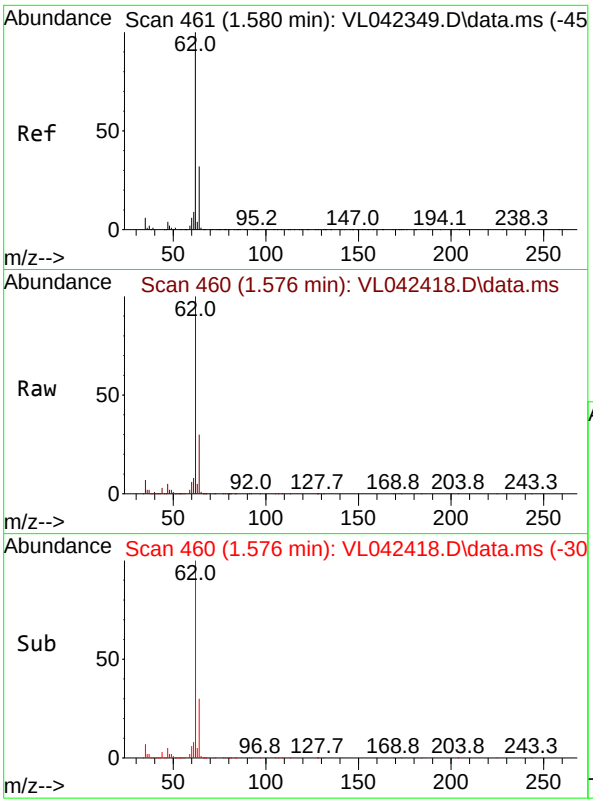


#4
Chloromethane
Concen: 9.692 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 50 Resp: 82976

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.7	37.1



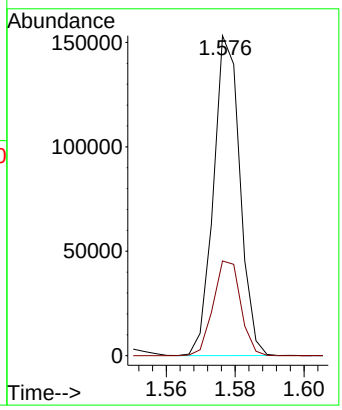


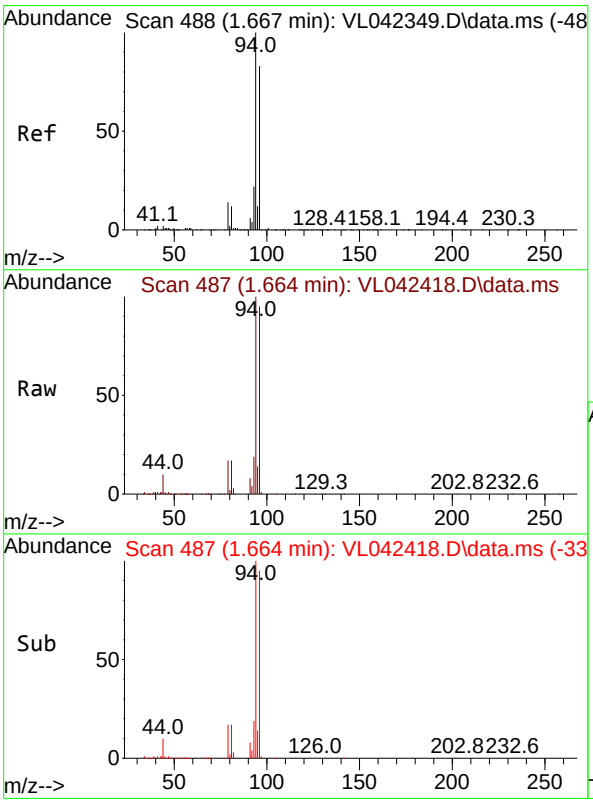
#5
Vinyl Chloride
Concen: 8.746 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 62 Resp: 81506

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.4	38.0

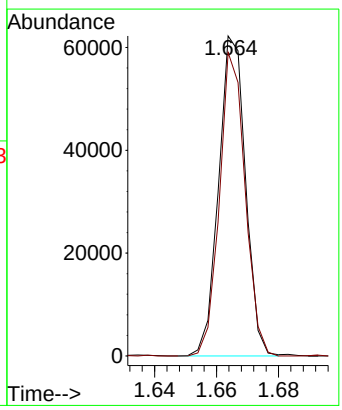


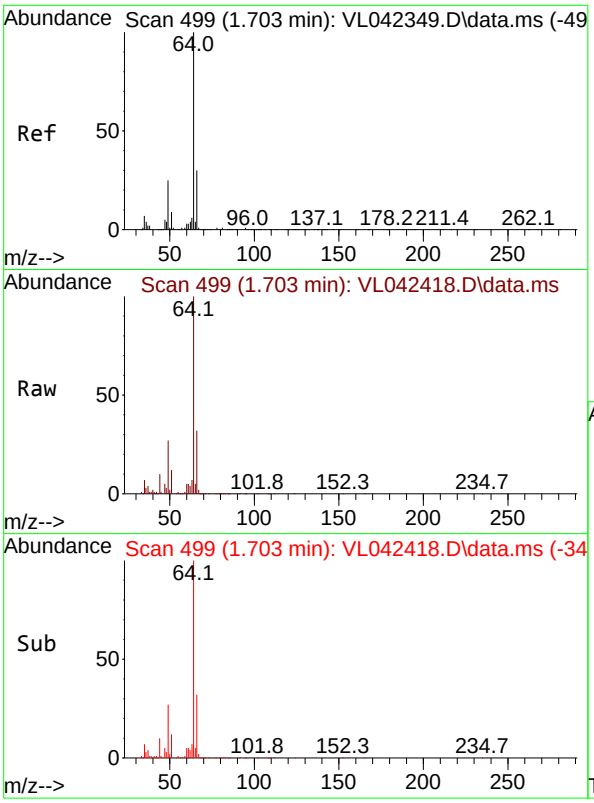


#6
Bromomethane
Concen: 9.379 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 94 Resp: 37549

Ion	Ratio	Lower	Upper
94	100		
96	94.8	66.2	99.2



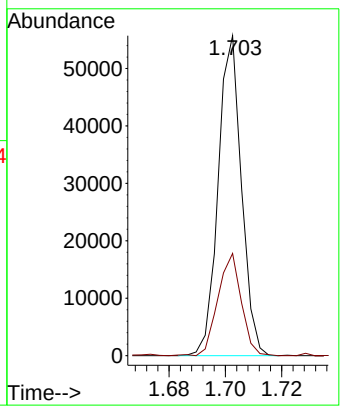


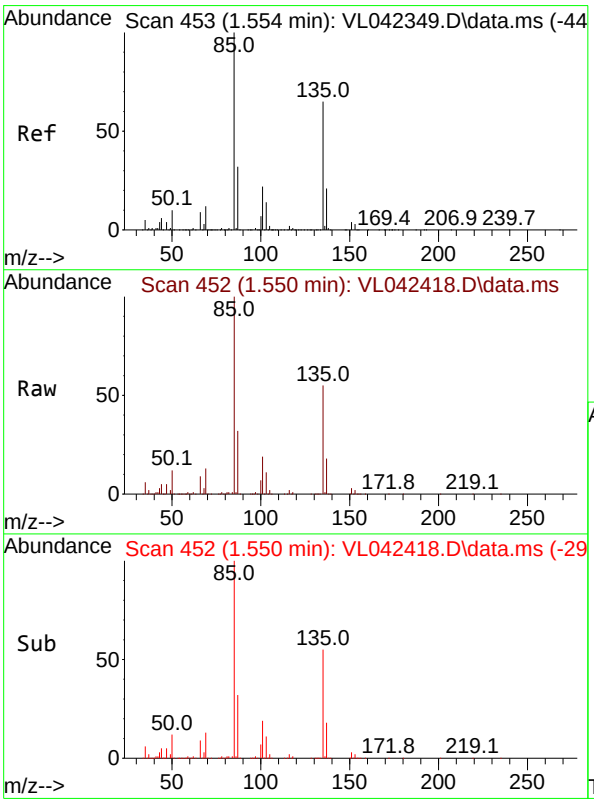
#7
Chloroethane
Concen: 9.472 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 64 Resp: 31924

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.6	37.0

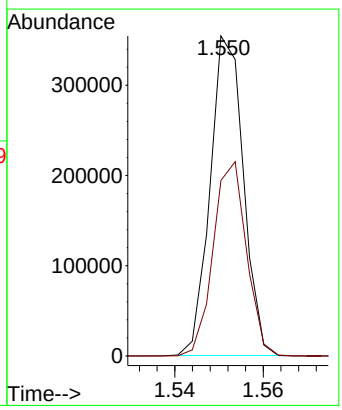


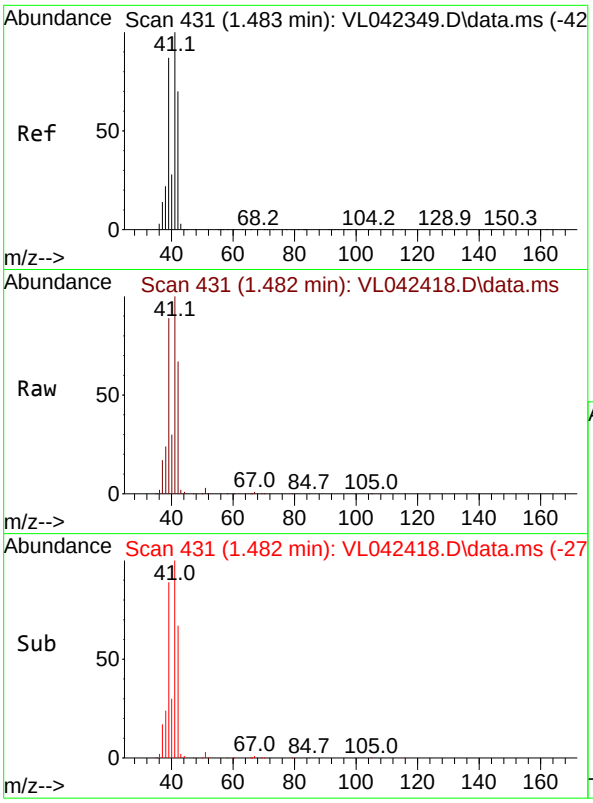


#8
Dichlorotetrafluoroethane
Concen: 9.952 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 85 Resp: 184850

Ion	Ratio	Lower	Upper
85	100		
135	60.9	52.2	78.2



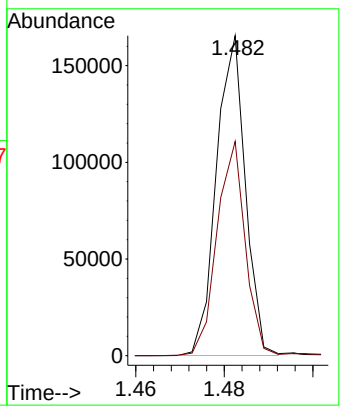


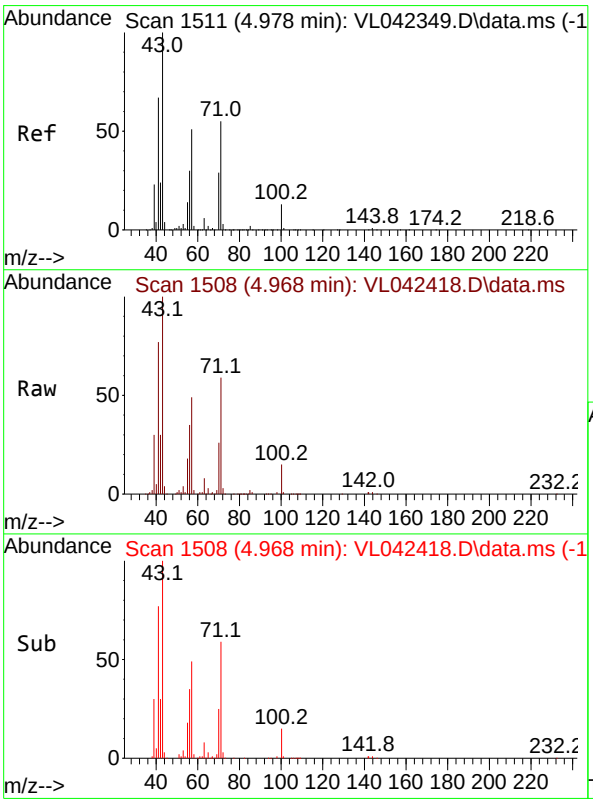
#9
Propene
Concen: 7.992 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 41 Resp: 74980

Ion	Ratio	Lower	Upper
41	100		
42	66.3	56.2	84.4

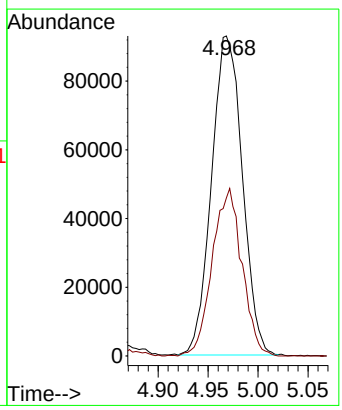


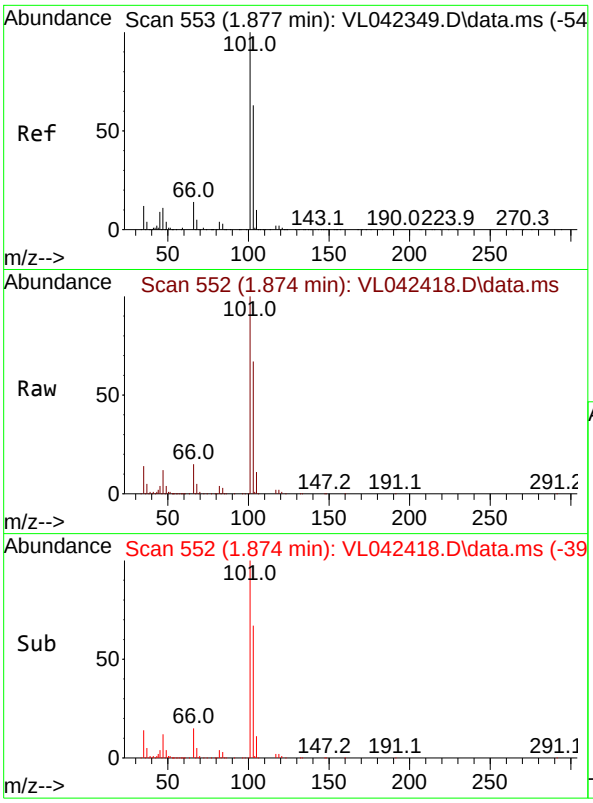


#10
Heptane
Concen: 7.565 ppbv
RT: 4.968 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 199403

Ion	Ratio	Lower	Upper
43	100		
57	50.6	39.9	59.9



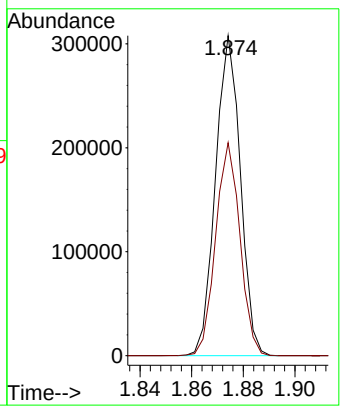


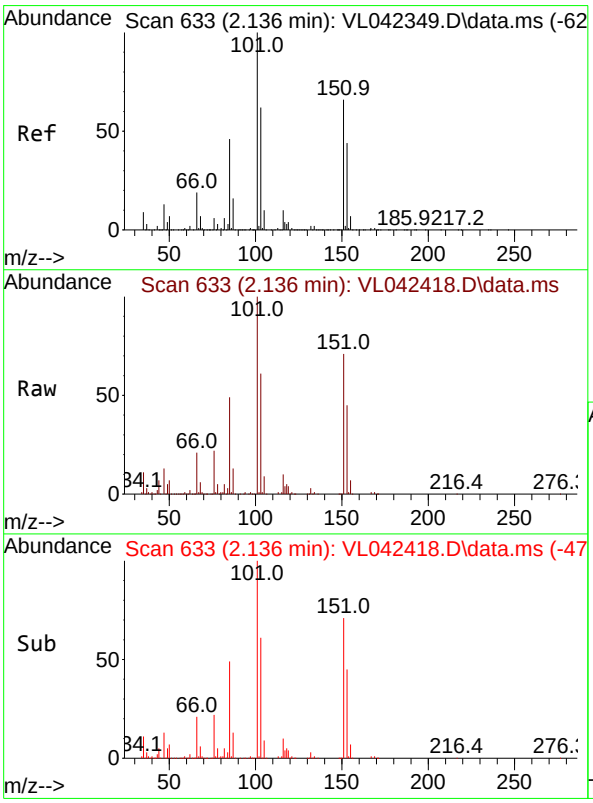
#11
Trichlorofluoromethane
Concen: 10.004 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:101 Resp: 205815

Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.1	75.1

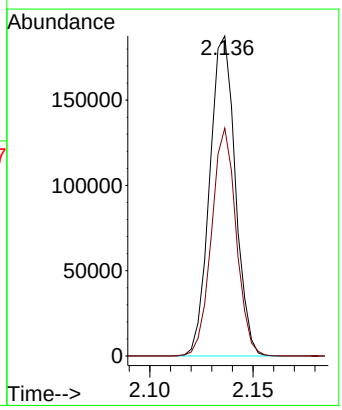


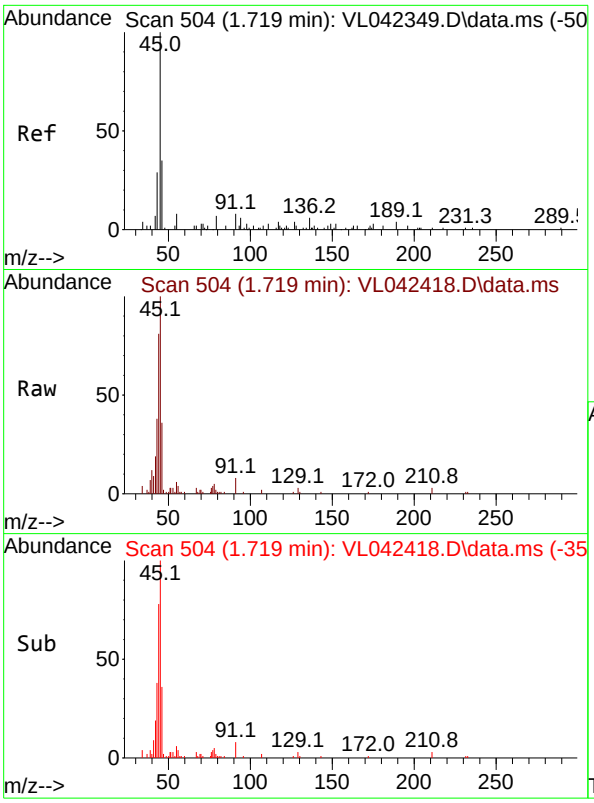


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.619 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:101 Resp: 161799

Ion	Ratio	Lower	Upper
101	100		
151	68.5	57.0	85.6



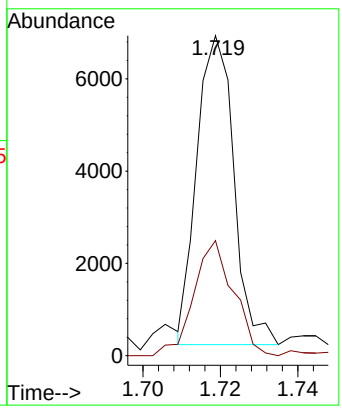


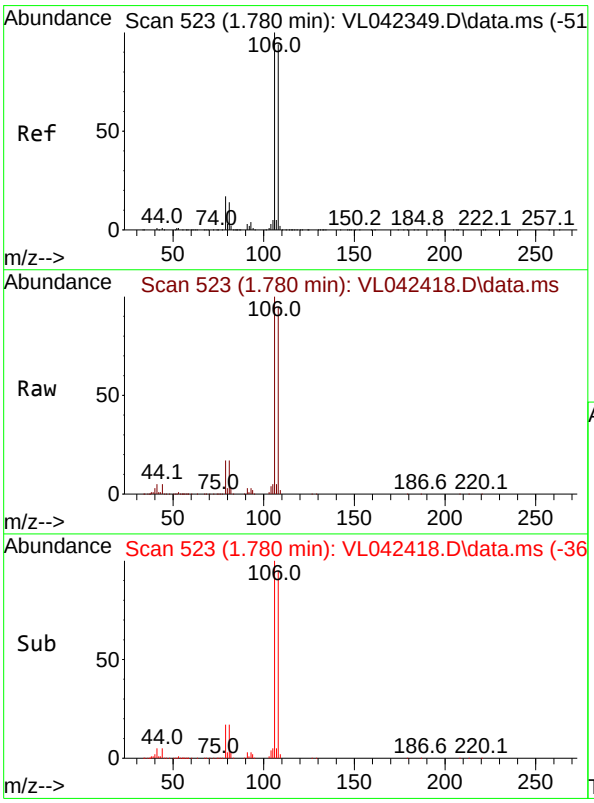
#13
Ethanol
Concen: 2.977 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 45 Resp: 4439

Ion	Ratio	Lower	Upper
45	100		
46	41.4	21.9	87.7

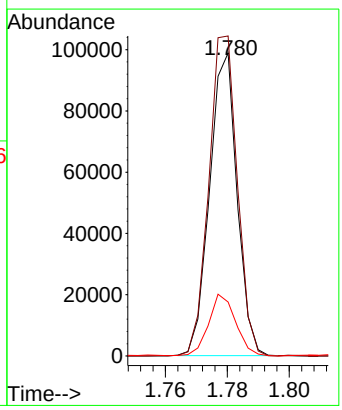


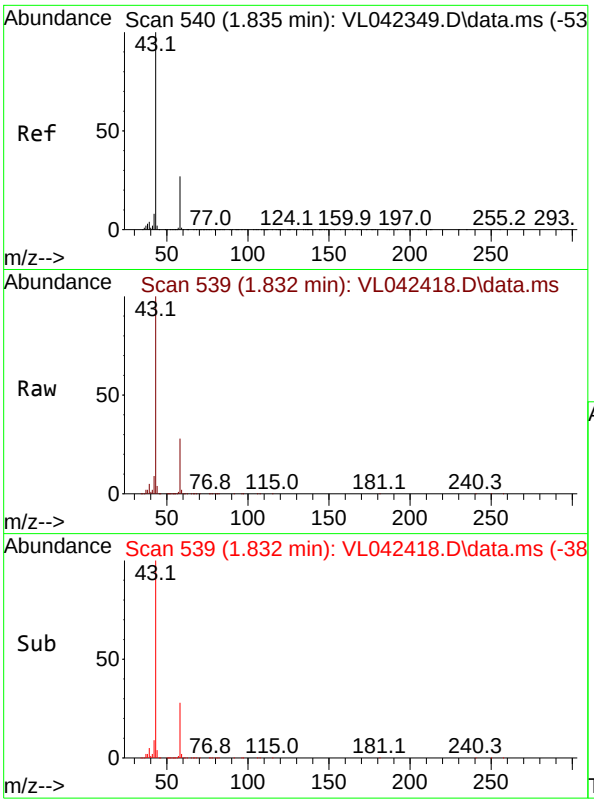


#14
Bromoethene
Concen: 9.581 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:108 Resp: 60748

Ion	Ratio	Lower	Upper
108	100		
106	110.0	85.9	128.9
79	20.2	13.9	20.9



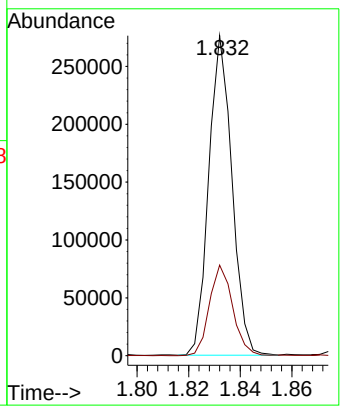


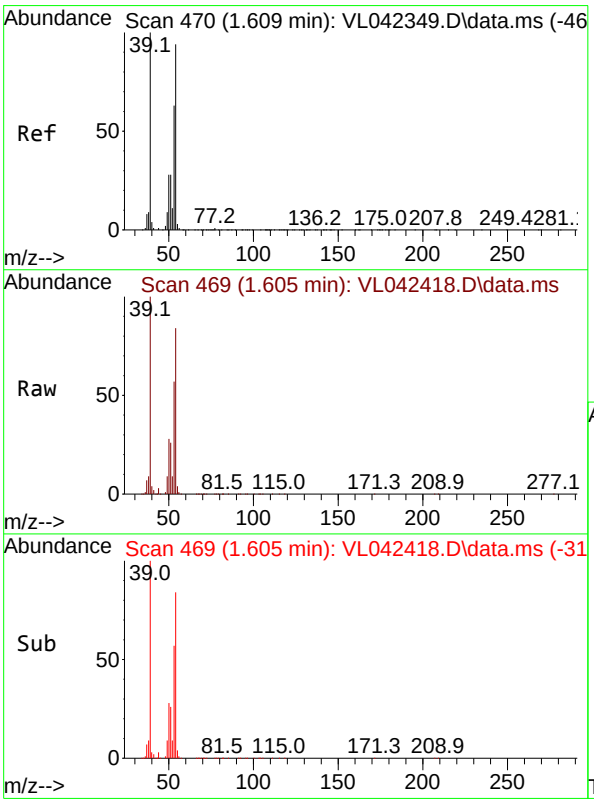
#15
Acetone
Concen: 8.613 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 43 Resp: 172651

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.4	33.6

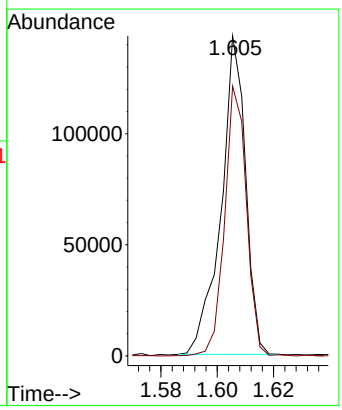


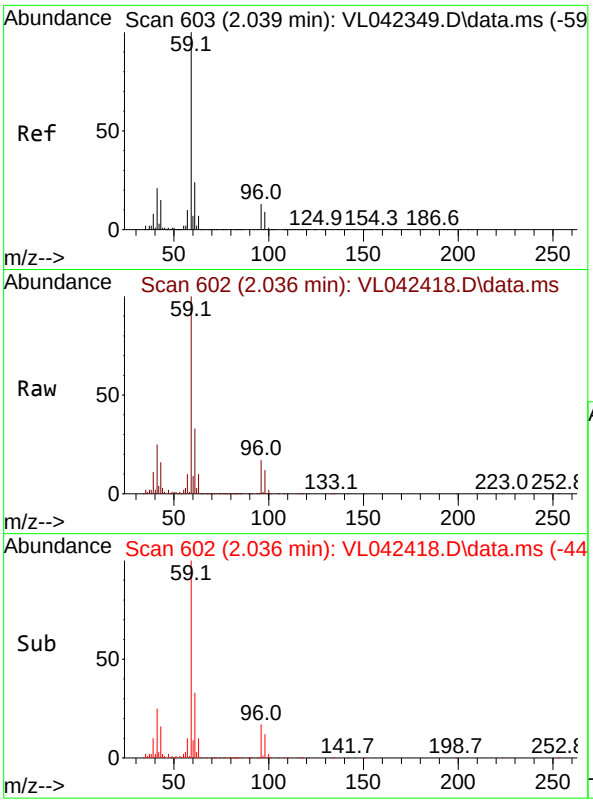


#16
1,3-Butadiene
Concen: 9.028 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 39 Resp: 86553

Ion	Ratio	Lower	Upper
39	100		
54	75.3	64.9	97.3



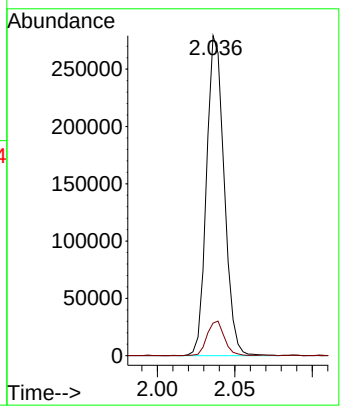


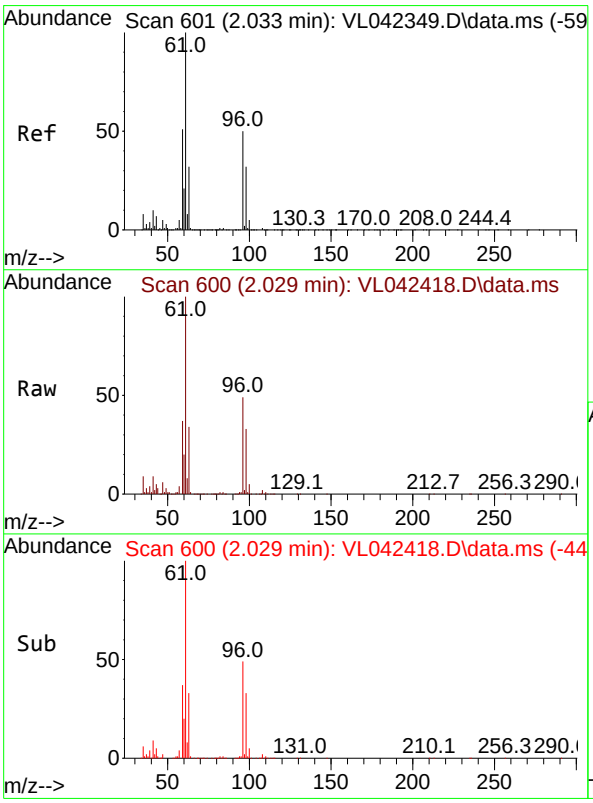
#17
tert-Butyl alcohol
Concen: 8.899 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 59 Resp: 221069

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

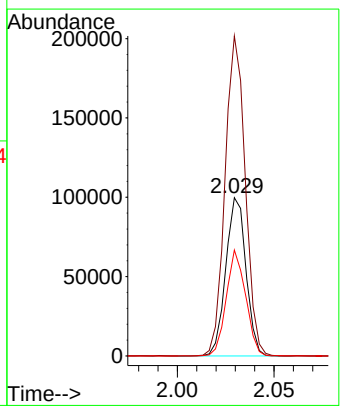


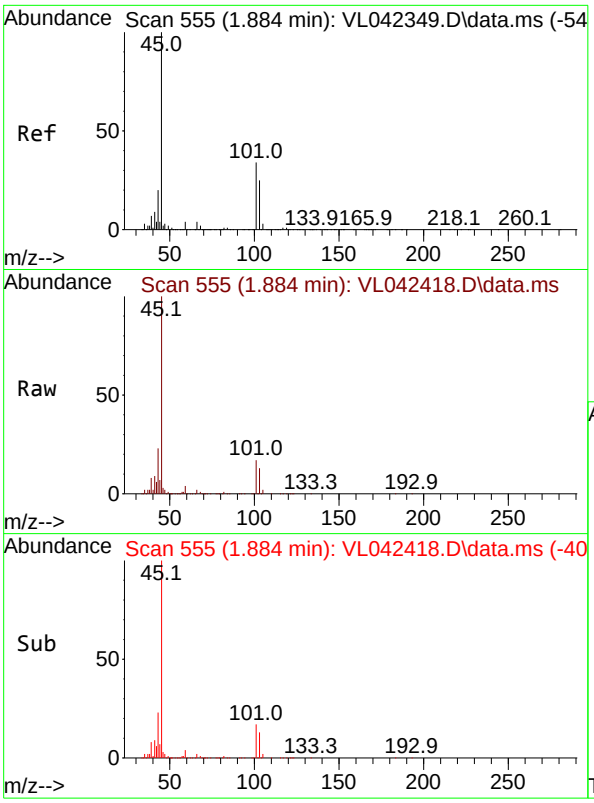


#18
1,1-Dichloroethene
Concen: 9.225 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 96 Resp: 72496

Ion	Ratio	Lower	Upper
96	100		
61	202.1	160.2	240.2
98	66.9	51.0	76.4



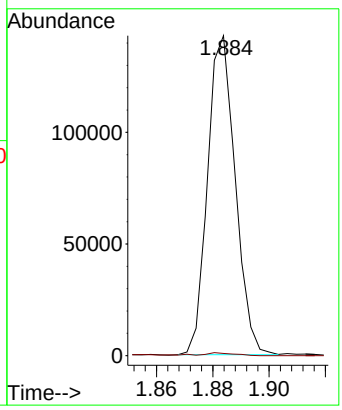


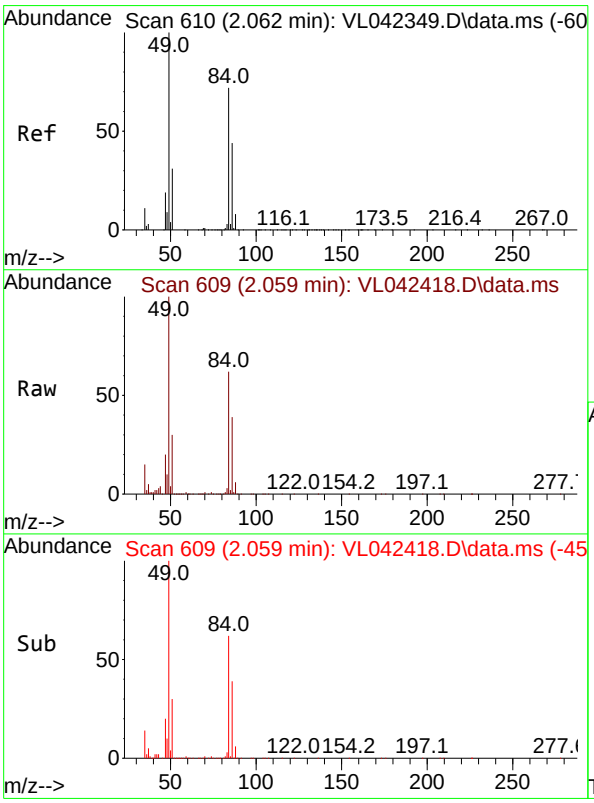
#19
Isopropyl Alcohol
Concen: 8.758 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 45 Resp: 97525

Ion	Ratio	Lower	Upper
45	100		
58	51.0	34.5	51.7

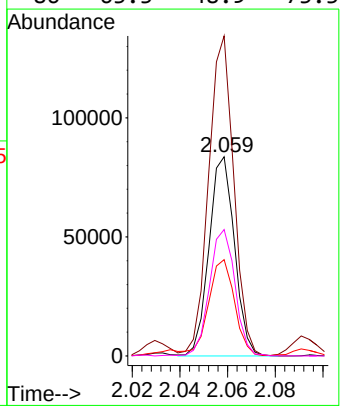


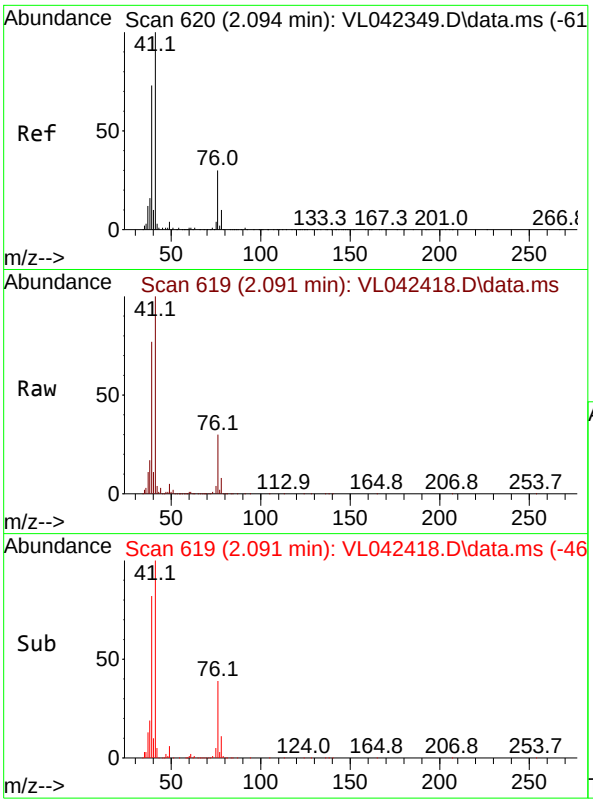


#20
Methylene Chloride
Concen: 7.920 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 84 Resp: 62175

Ion	Ratio	Lower	Upper
84	100		
49	159.9	111.6	167.4
51	47.8	35.1	52.7
86	63.3	48.9	73.3



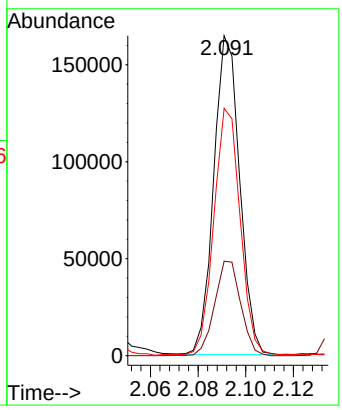


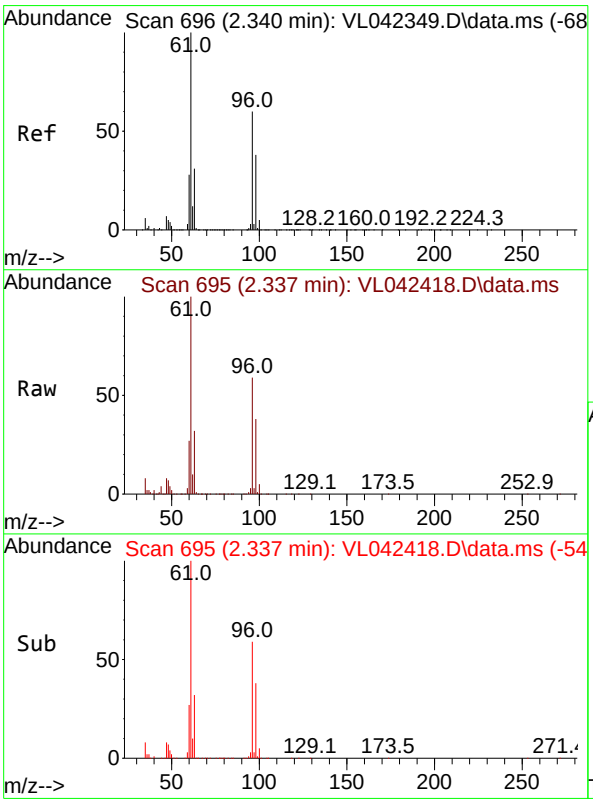
#21
Allyl Chloride
Concen: 8.964 ppbv
RT: 2.091 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 41 Resp: 124058

Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.8	37.2
39	78.6	60.6	90.8

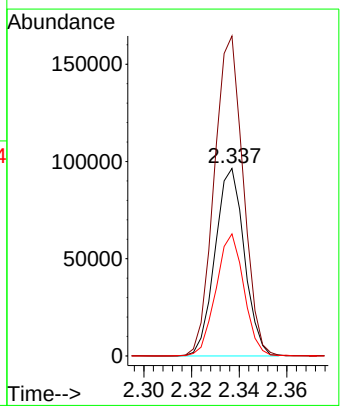


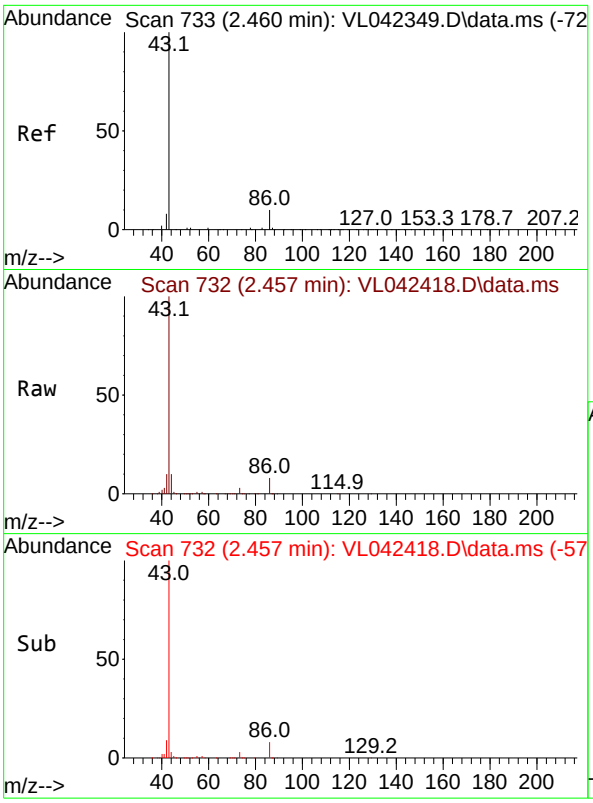


#22
trans-1,2-Dichloroethene
Concen: 9.184 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 96 Resp: 82175

Ion	Ratio	Lower	Upper
96	100		
61	170.5	133.7	200.5
98	65.0	50.3	75.5



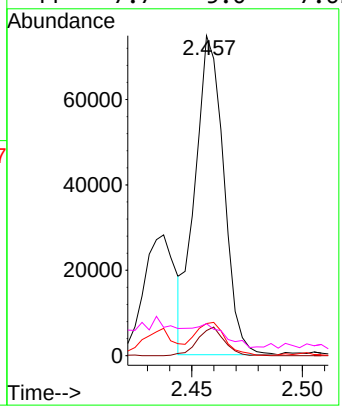


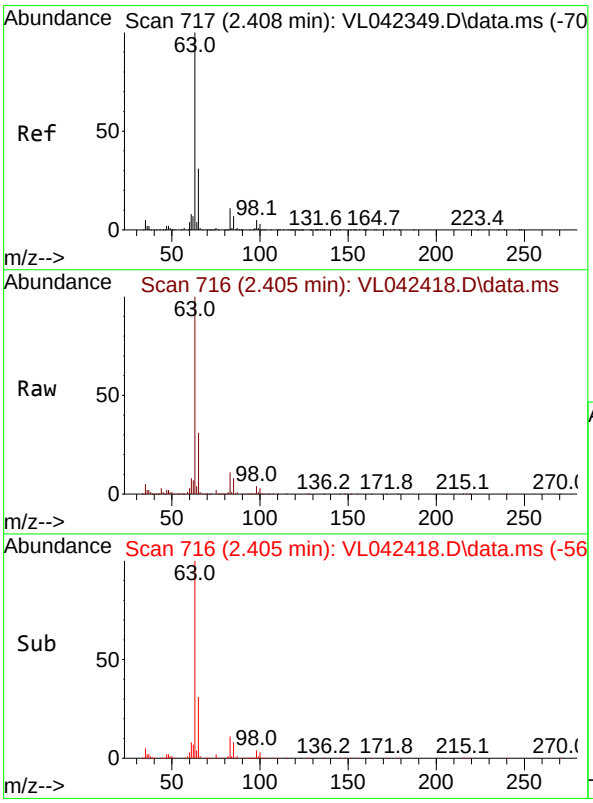
#23
Vinyl Acetate
Concen: 8.283 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 43 Resp: 67206

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.5	9.7
42	9.8	7.8	11.8
44	7.7	5.0	7.6#

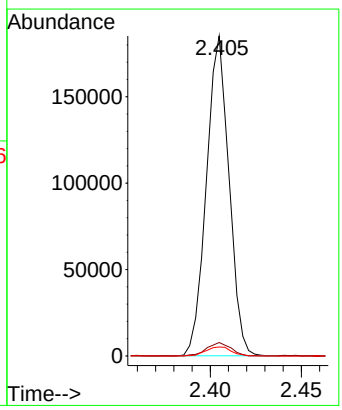


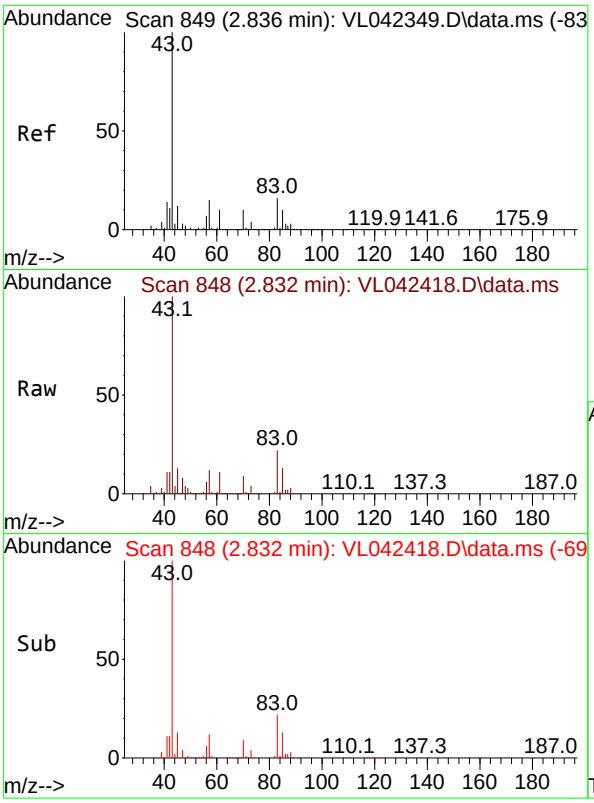


#24
1,1-Dichloroethane
Concen: 9.393 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 63 Resp: 159644

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.8	1.6	4.8



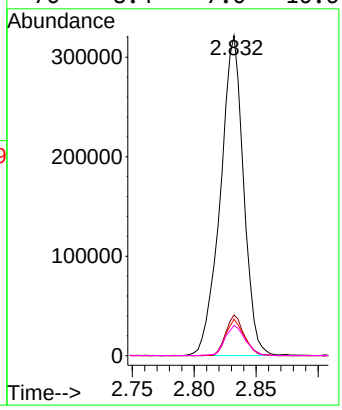


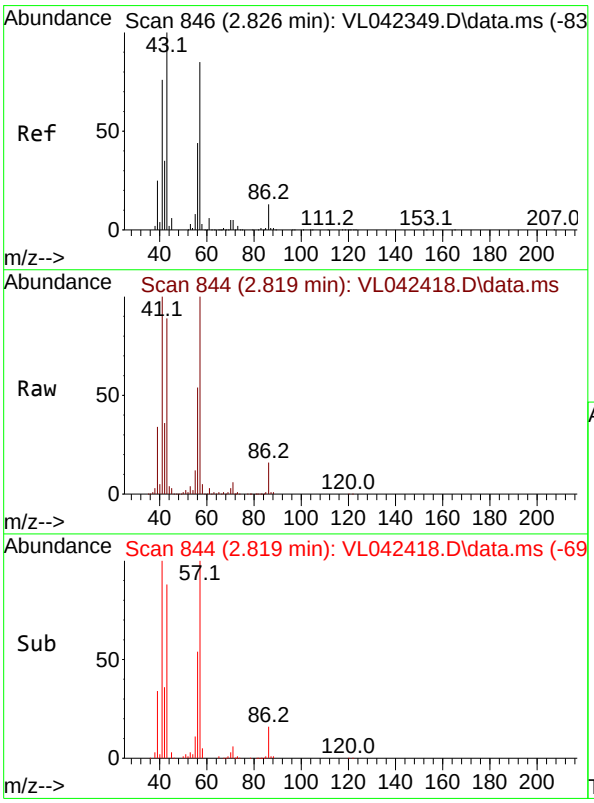
#25
Ethyl Acetate
Concen: 8.485 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 43 Resp: 419372

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.1	7.3	10.9
70	8.4	7.0	10.6

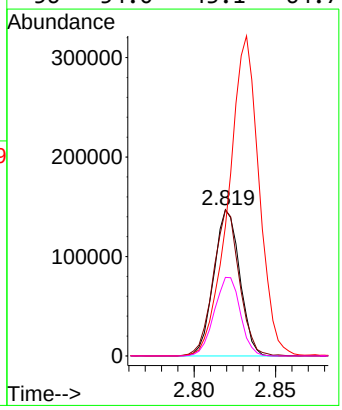


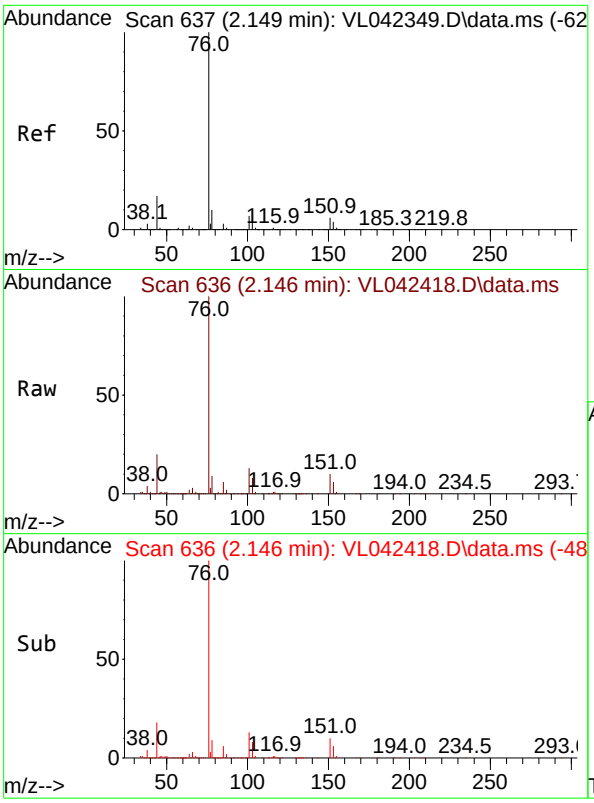


#26
Hexane
Concen: 8.112 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 57 Resp: 162255

Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.9	116.9
43	258.8	208.4	312.6
56	54.0	43.1	64.7



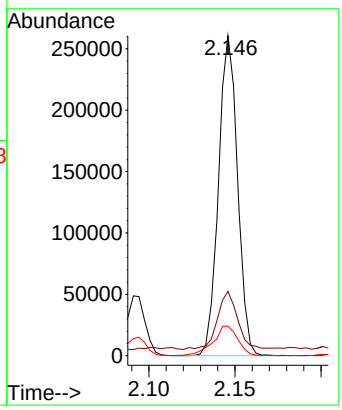


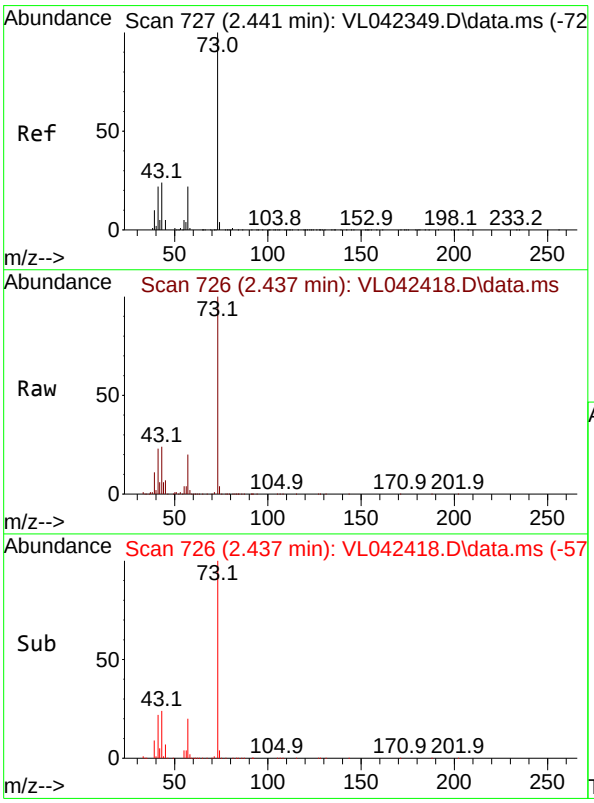
#27
Carbon Disulfide
Concen: 9.377 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 76 Resp: 200806

Ion	Ratio	Lower	Upper
76	100		
44	21.3	15.5	23.3
78	12.0	9.3	13.9

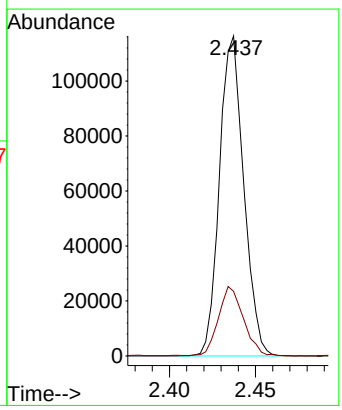


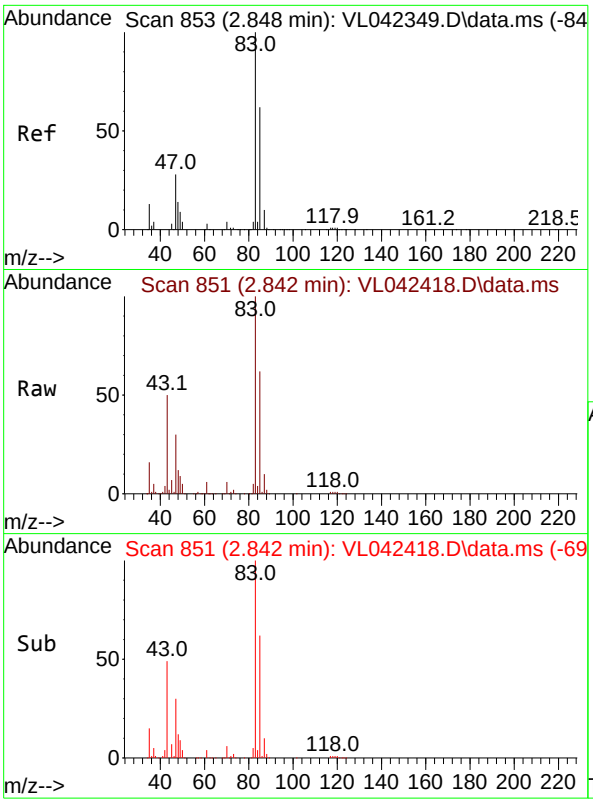


#28
Methyl tert-Butyl Ether
Concen: 8.718 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 73 Resp: 114239

Ion	Ratio	Lower	Upper
73	100		
57	22.6	21.3	31.9



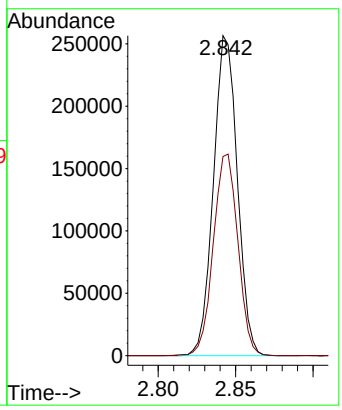


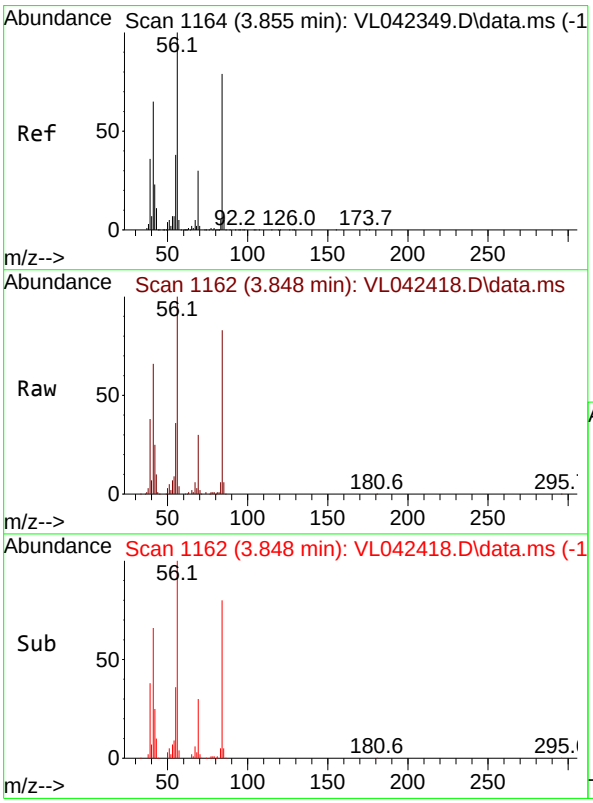
#29
Chloroform
Concen: 9.751 ppbv
RT: 2.842 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 83 Resp: 275655

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.0	75.0

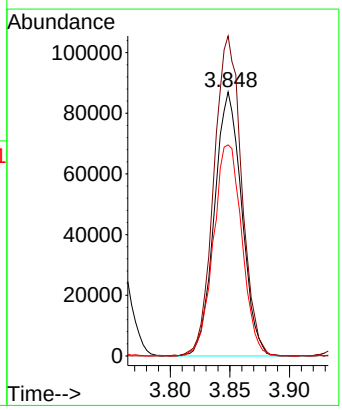


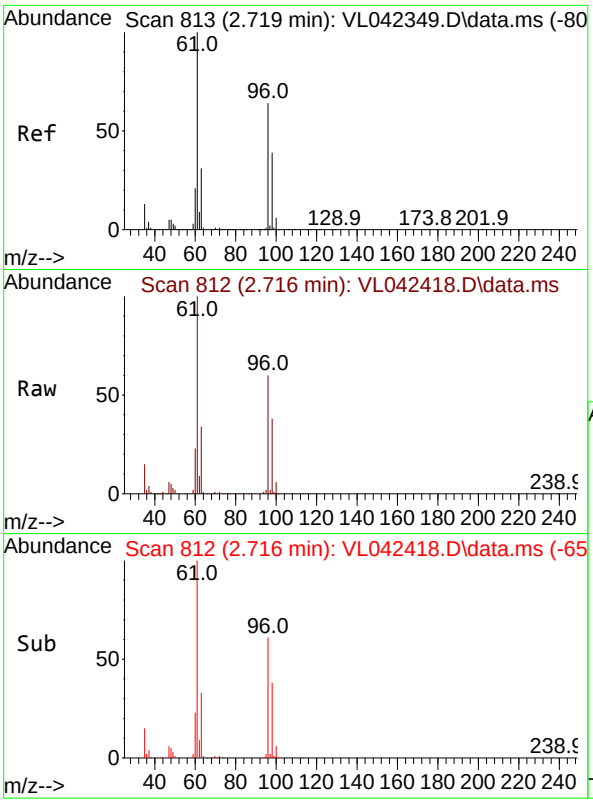


#30
Cyclohexane
Concen: 8.583 ppbv
RT: 3.848 min Scan# 1162
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 84 Resp: 138766

Ion	Ratio	Lower	Upper
84	100		
56	122.9	101.0	151.4
41	83.5	67.4	101.0



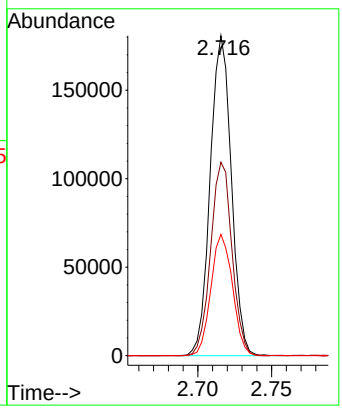


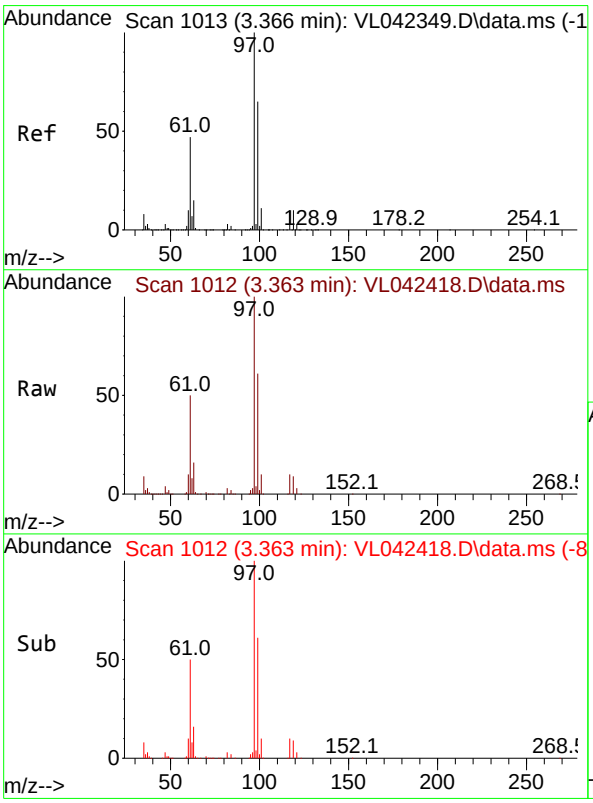
#31
cis-1,2-Dichloroethene
Concen: 9.464 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 61 Resp: 179960

Ion	Ratio	Lower	Upper
61	100		
96	60.5	50.8	76.2
98	37.9	30.9	46.3

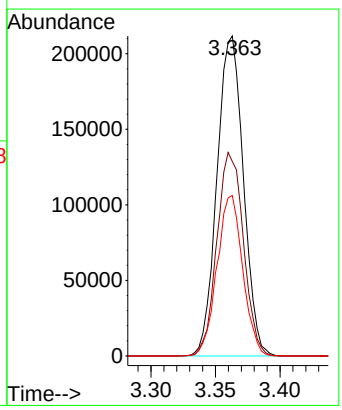


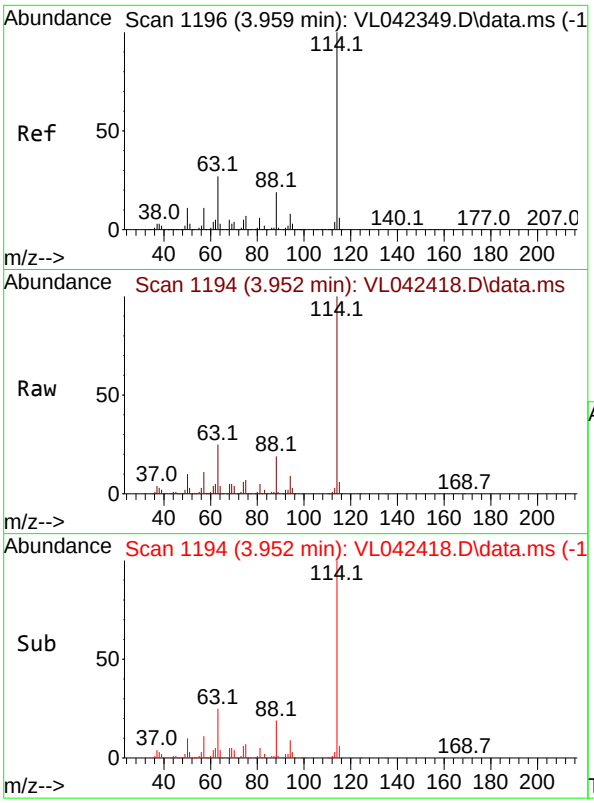


#32
1,1,1-Trichloroethane
Concen: 9.469 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 97 Resp: 301358

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	48.9	38.8	58.2



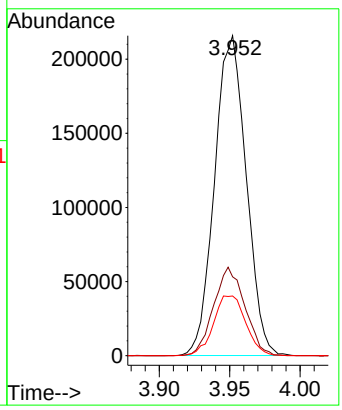


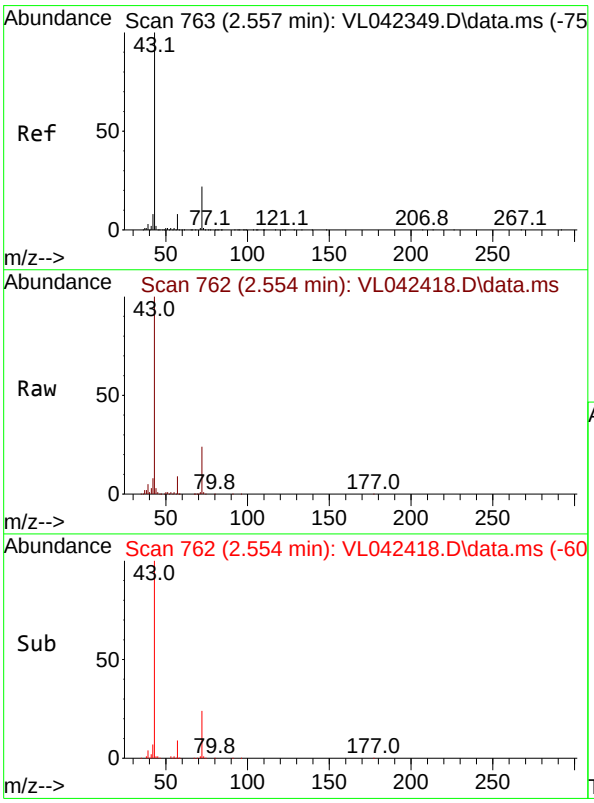
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:114 Resp: 337202

Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.8	32.6
88	19.2	15.5	23.3

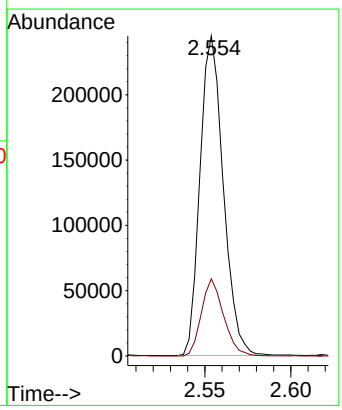


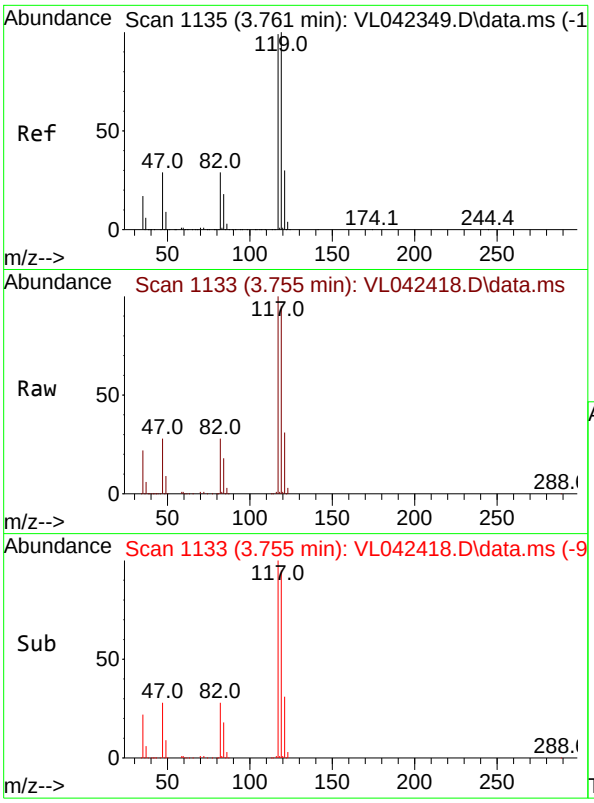


#34
2-Butanone
Concen: 8.628 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 230104

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.2	27.2



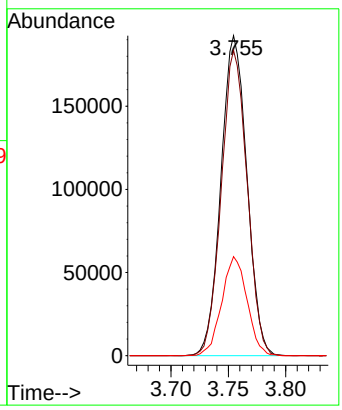


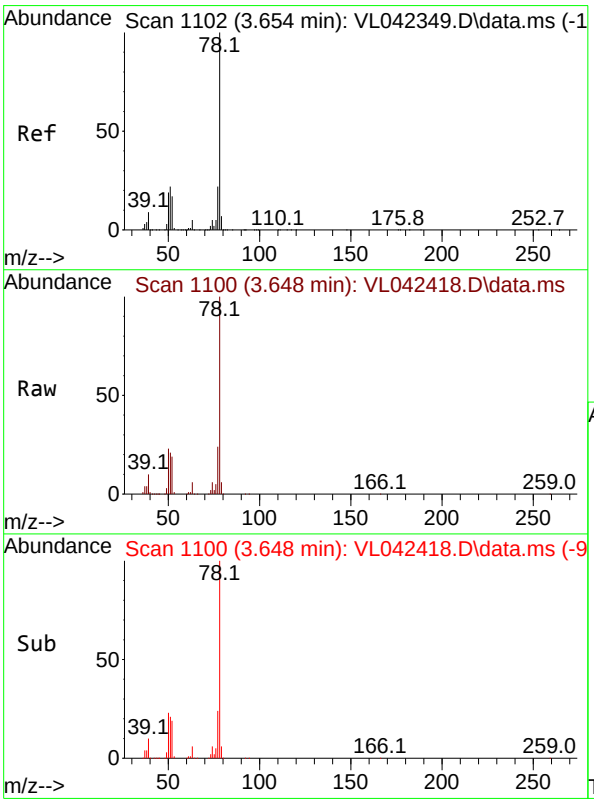
#35
Carbon Tetrachloride
Concen: 9.906 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:117 Resp: 302298

Ion	Ratio	Lower	Upper
117	100		
119	95.4	80.5	120.7
121	30.9	24.2	36.2

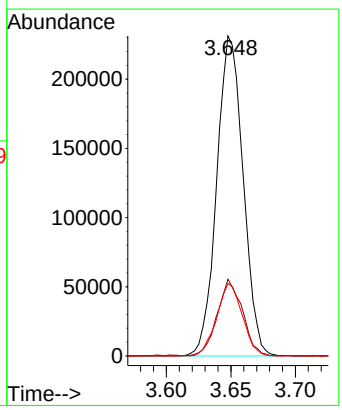


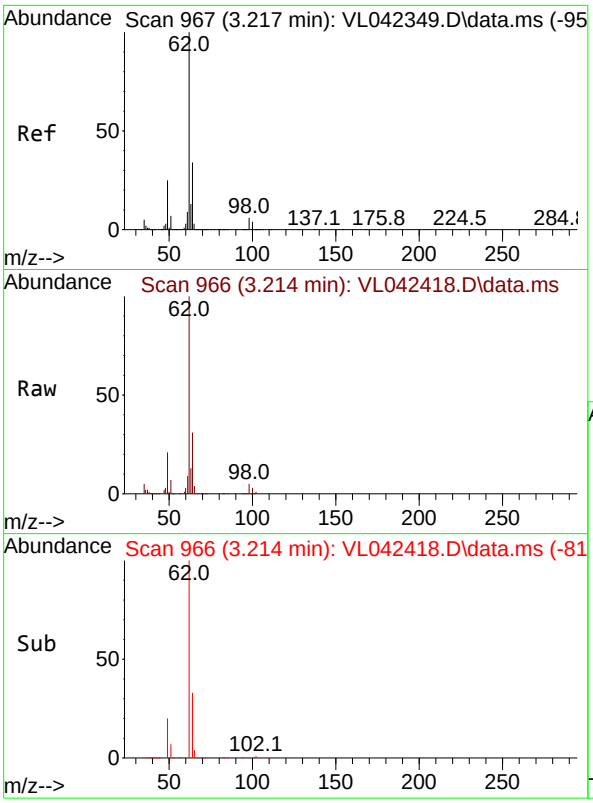


#36
Benzene
Concen: 9.049 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 78 Resp: 329117

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.4	26.0
50	22.7	15.5	23.3



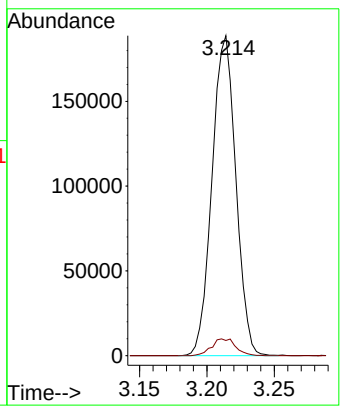


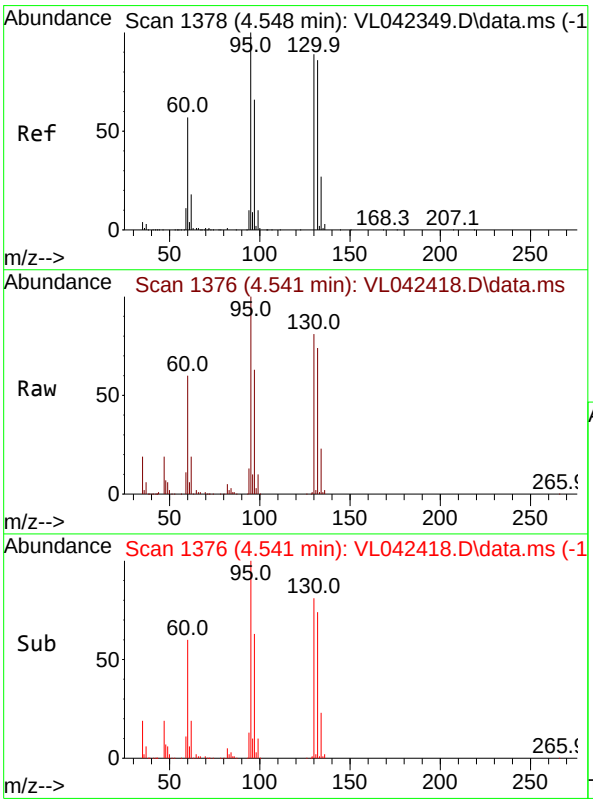
#37
1,2-Dichloroethane
Concen: 10.641 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 62 Resp: 232279

Ion	Ratio	Lower	Upper
62	100		
98	5.4	5.1	7.7

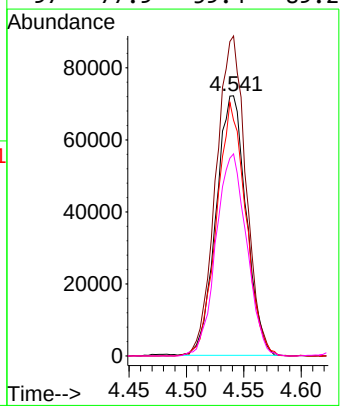


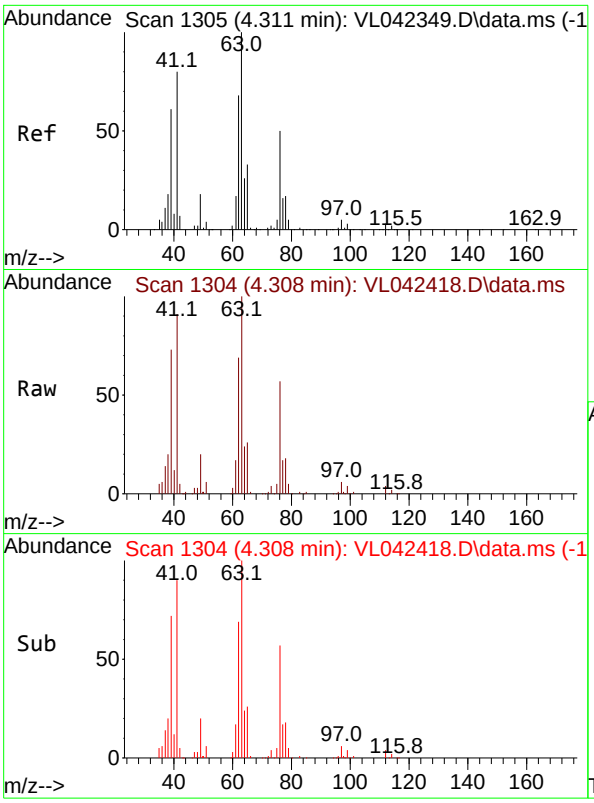


#38
Trichloroethene
Concen: 8.252 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:130 Resp: 131178

Ion	Ratio	Lower	Upper
130	100		
95	123.1	89.8	134.6
132	90.7	77.7	116.5
97	77.9	59.4	89.2



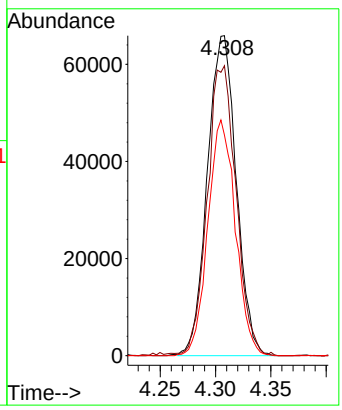


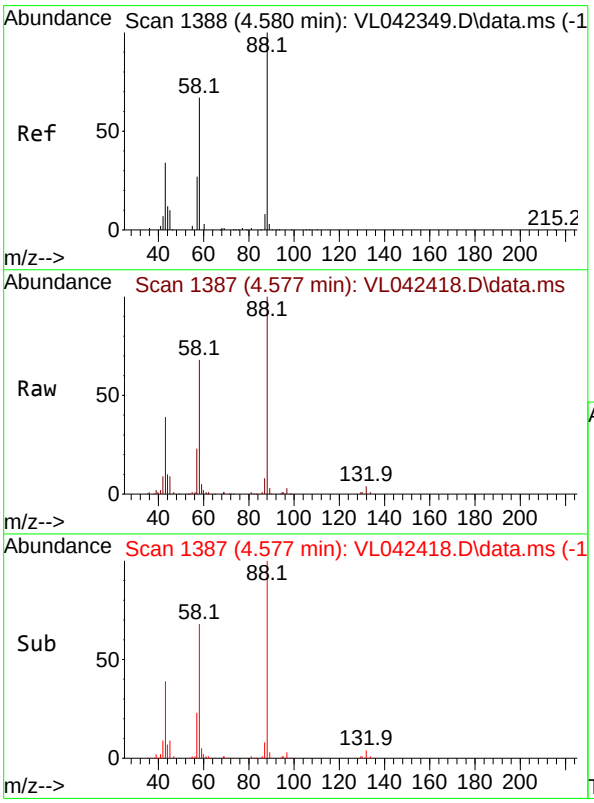
#39
1,2-Dichloropropane
Concen: 8.831 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 63 Resp: 119692

Ion	Ratio	Lower	Upper
63	100		
41	90.6	64.2	96.2
62	69.0	54.3	81.5

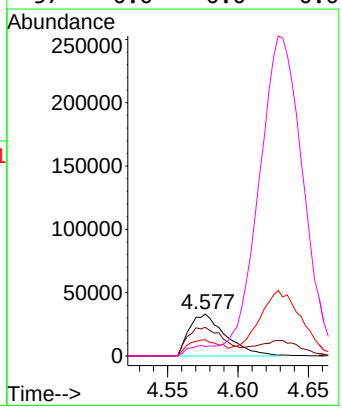


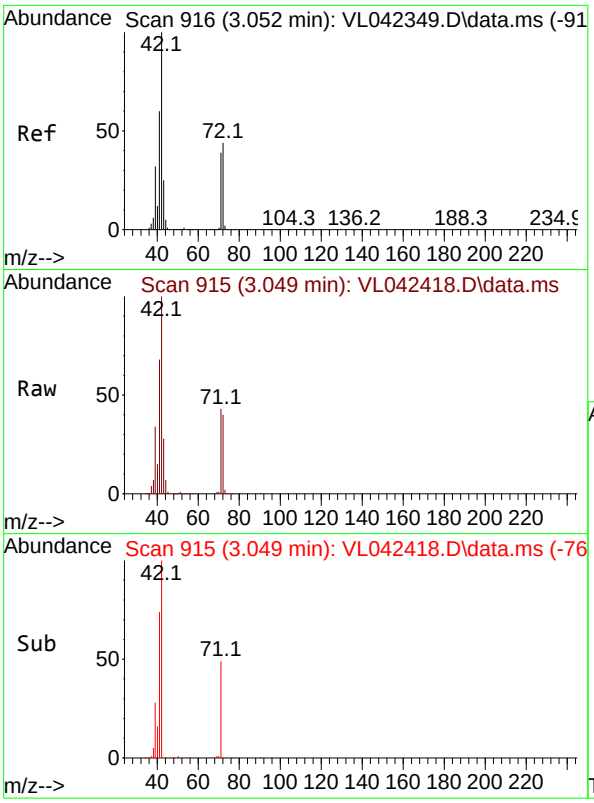


#40
1,4-Dioxane
Concen: 8.010 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 88 Resp: 59666

Ion	Ratio	Lower	Upper
88	100		
58	71.2	61.4	92.0
43	37.7	23.2	34.8#
57	0.0	0.0	0.0



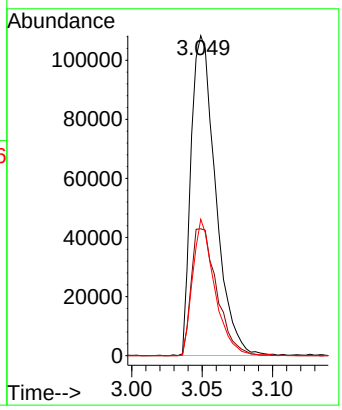


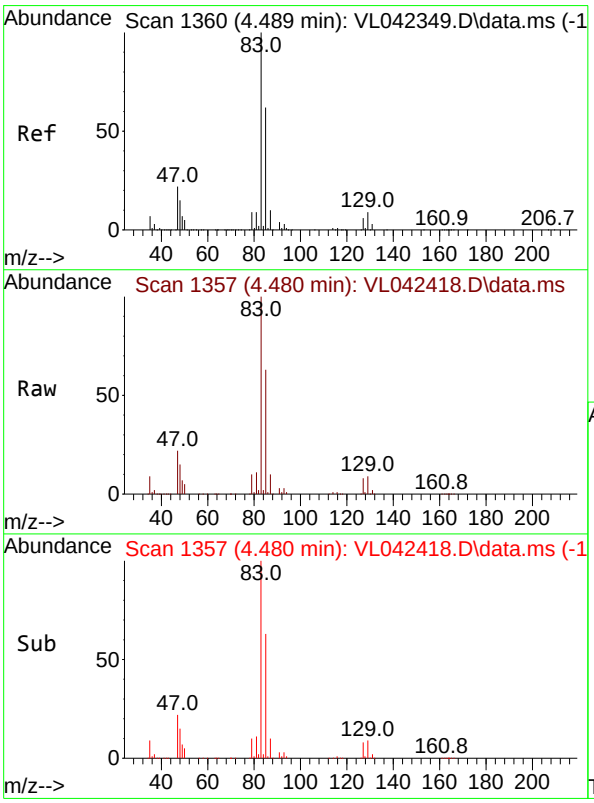
#41
Tetrahydrofuran
Concen: 8.428 ppbv
RT: 3.049 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 42 Resp: 131046

Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.3	48.5
71	38.3	31.4	47.2

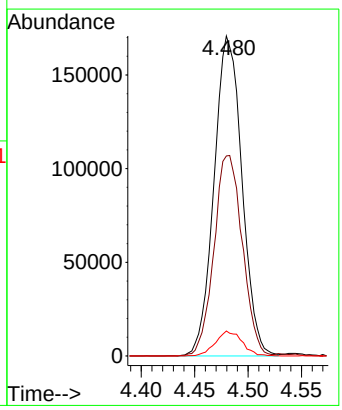


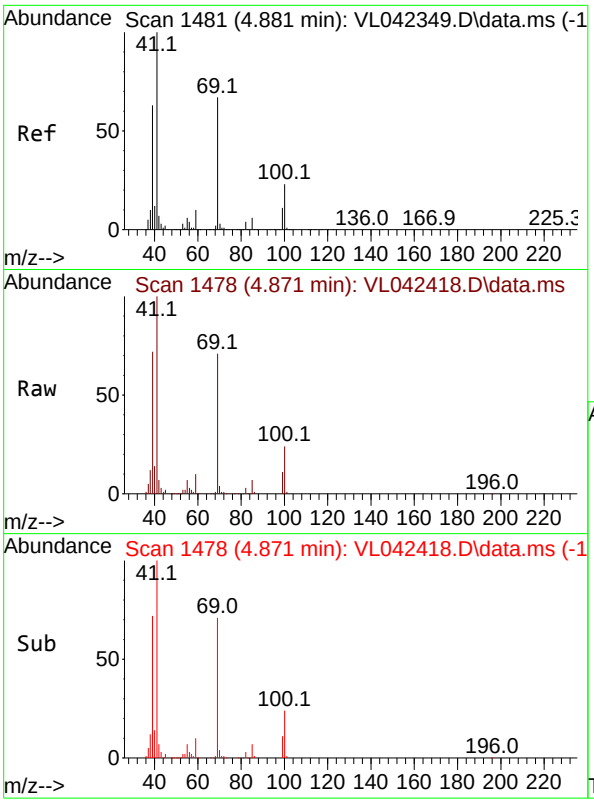


#42
Bromodichloromethane
Concen: 10.222 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 83 Resp: 310553

Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.7	74.5
127	7.8	5.1	7.7#



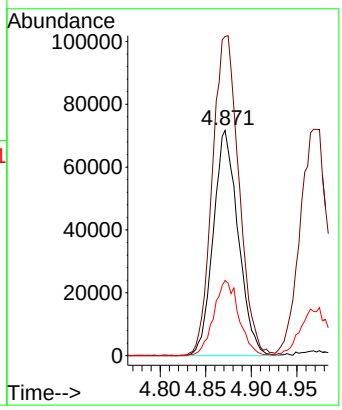


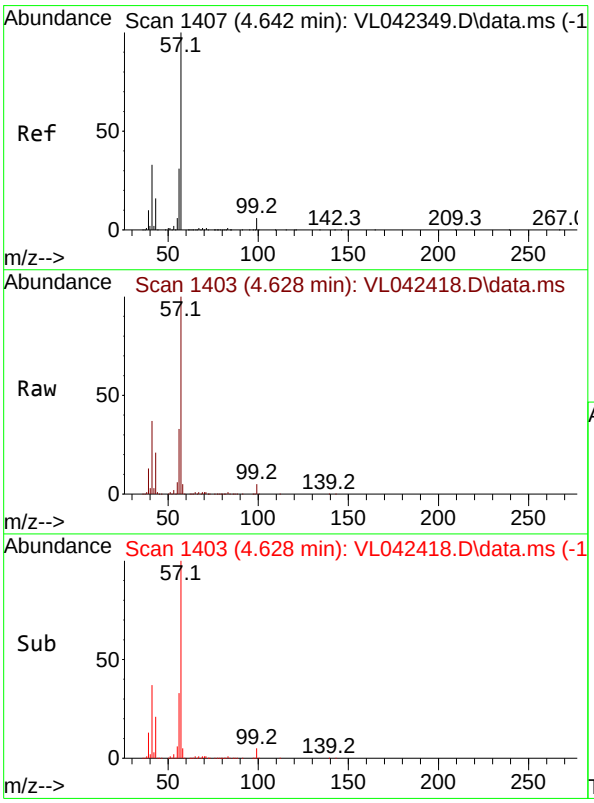
#43
Methyl Methacrylate
Concen: 8.312 ppbv
RT: 4.871 min Scan# 14
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 69 Resp: 136249

Ion	Ratio	Lower	Upper
69	100		
41	151.8	118.6	177.8
100	33.8	28.2	42.2

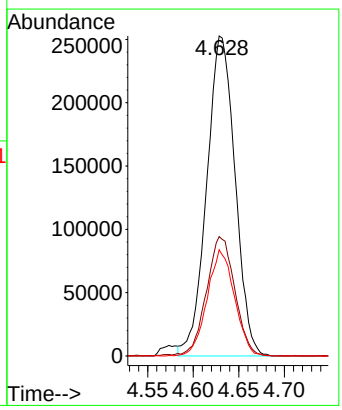


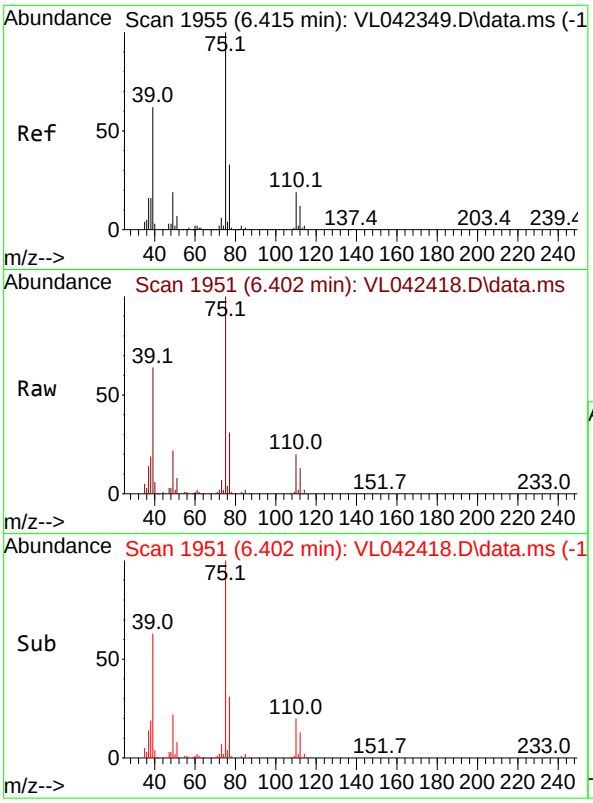


#44
2,2,4-Trimethylpentane
Concen: 8.707 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 57 Resp: 546967

Ion	Ratio	Lower	Upper
57	100		
41	37.6	27.2	40.8
56	31.9	25.7	38.5



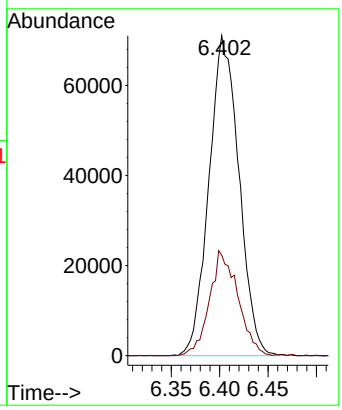


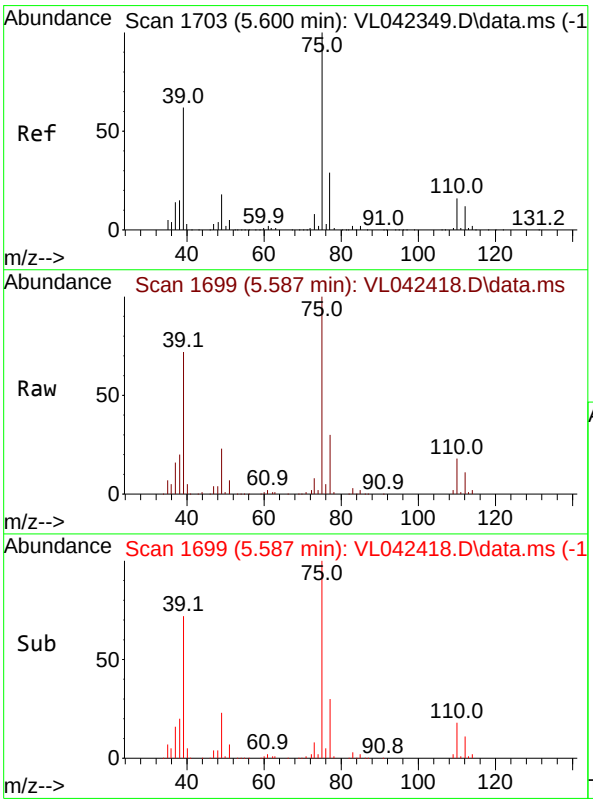
#45
t-1,3-Dichloropropene
Concen: 9.133 ppbv
RT: 6.402 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 75 Resp: 152930

Ion	Ratio	Lower	Upper
75	100		
77	31.4	27.0	40.6

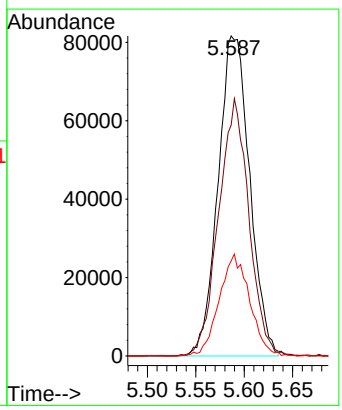


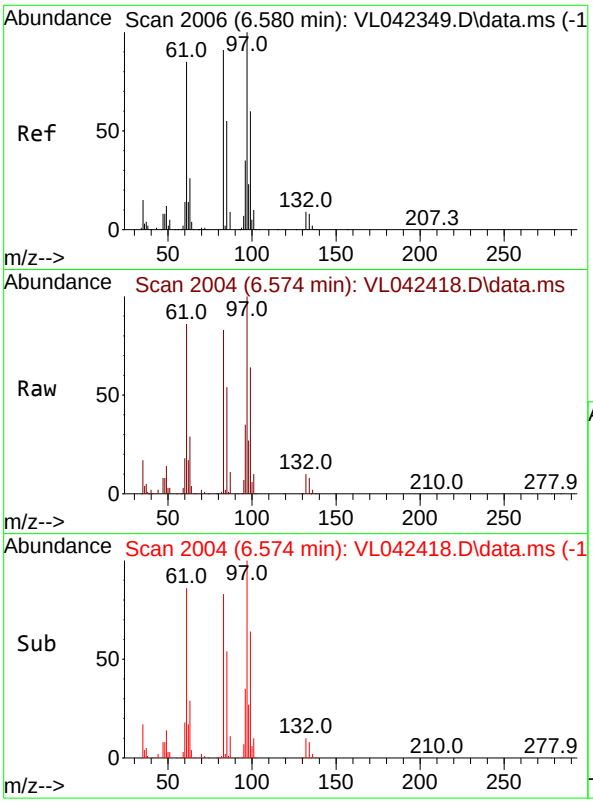


#46
cis-1,3-Dichloropropene
Concen: 9.055 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 75 Resp: 185557

Ion	Ratio	Lower	Upper
75	100		
39	72.0	50.0	75.0
77	29.7	23.0	34.6



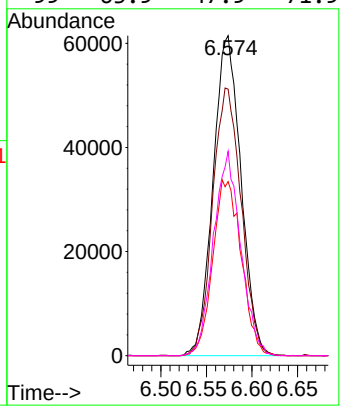


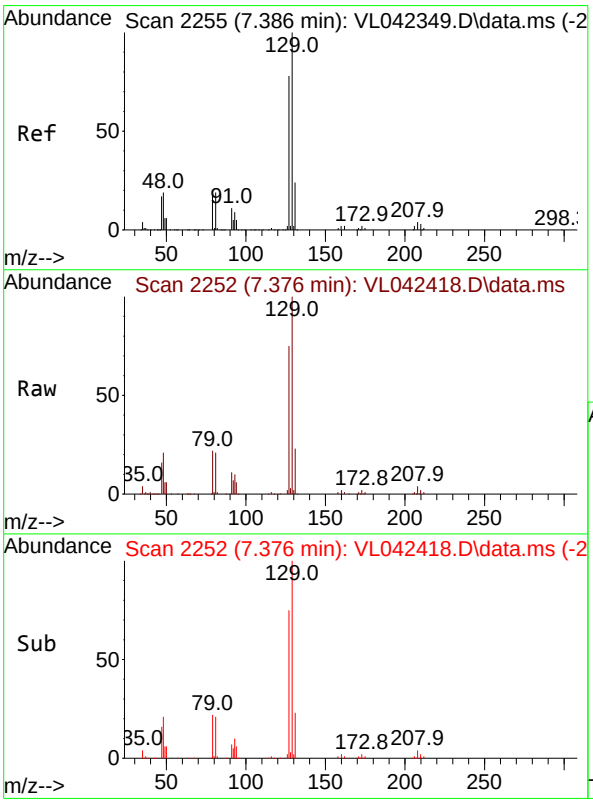
#47
1,1,2-Trichloroethane
Concen: 9.474 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 97 Resp: 130821

Ion	Ratio	Lower	Upper
97	100		
83	83.3	72.8	109.2
85	54.4	44.2	66.4
99	63.9	47.9	71.9

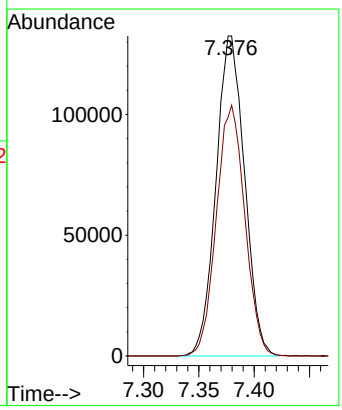


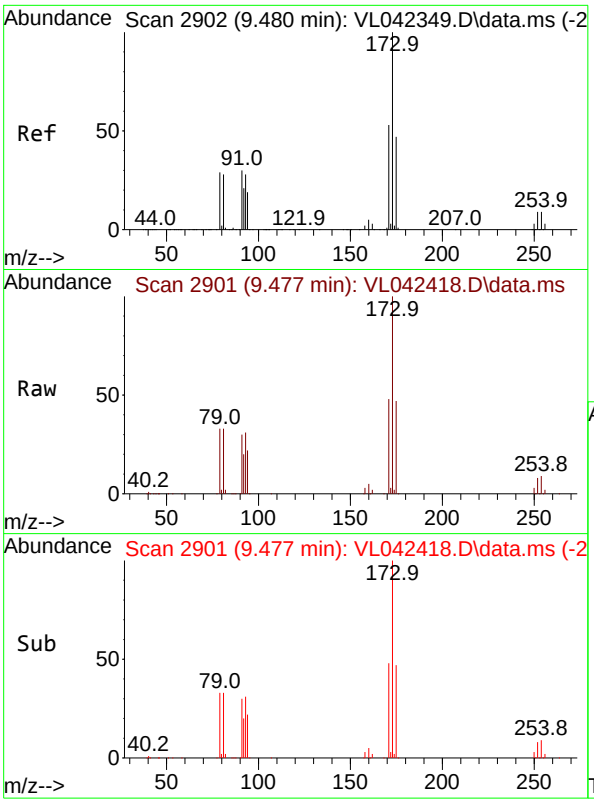


#48
Dibromochloromethane
Concen: 9.753 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:129 Resp: 237927

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3



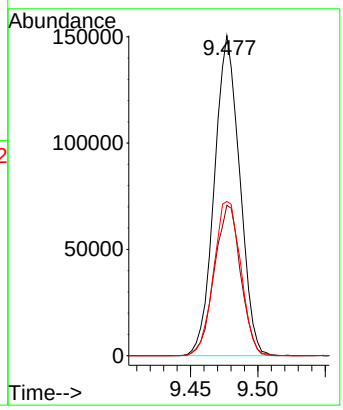


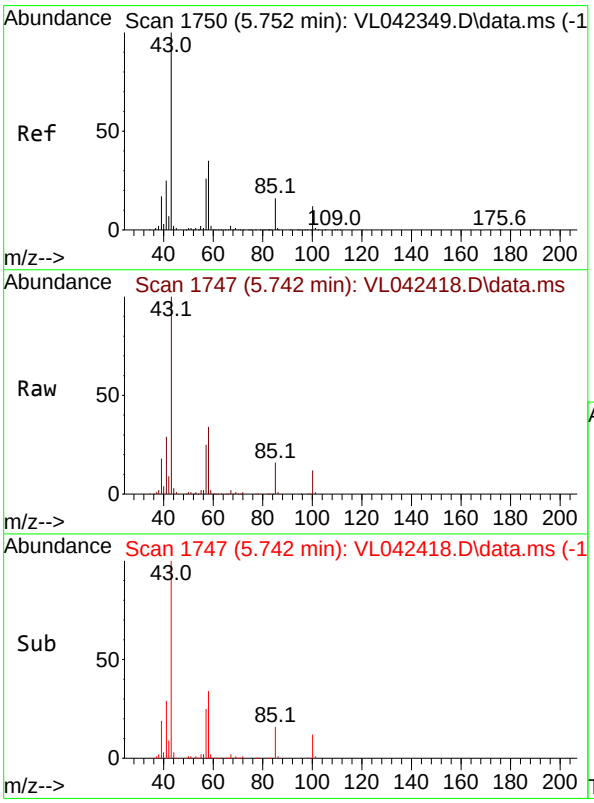
#49
Bromoform
Concen: 9.229 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:173 Resp: 196872

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.2	57.2
171	51.7	40.9	61.3

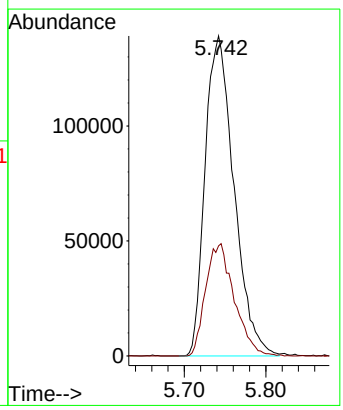


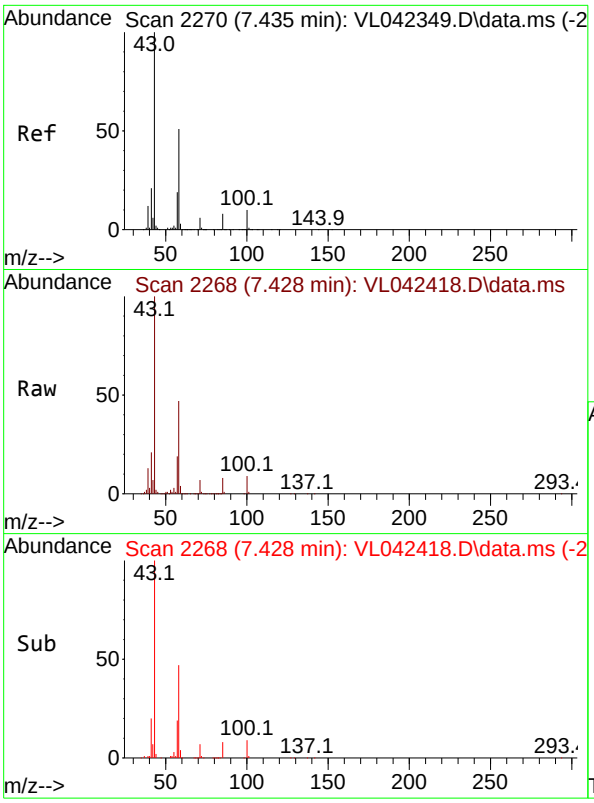


#50
4-Methyl-2-Pentanone
Concen: 7.726 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 342379

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	43.0



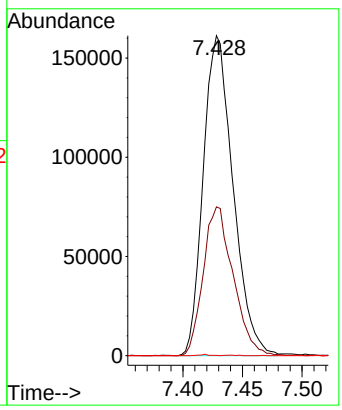


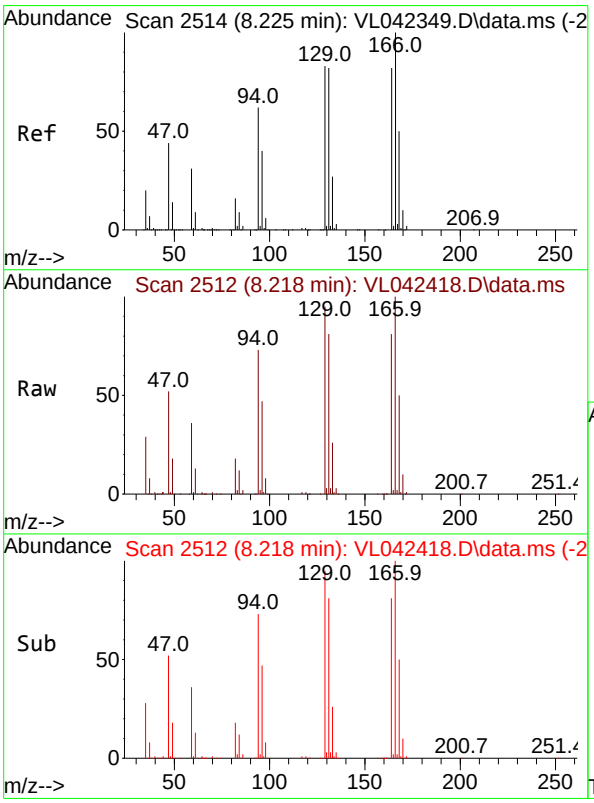
#51
2-Hexanone
Concen: 7.060 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 43 Resp: 280580

Ion	Ratio	Lower	Upper
43	100		
58	46.8	40.2	60.4
98	0.2	0.1	0.1#

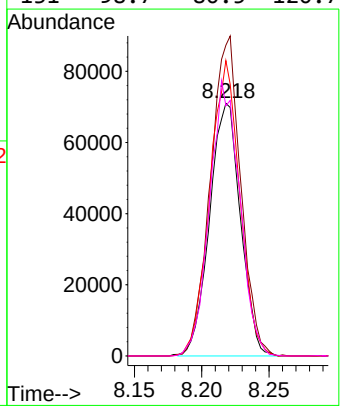


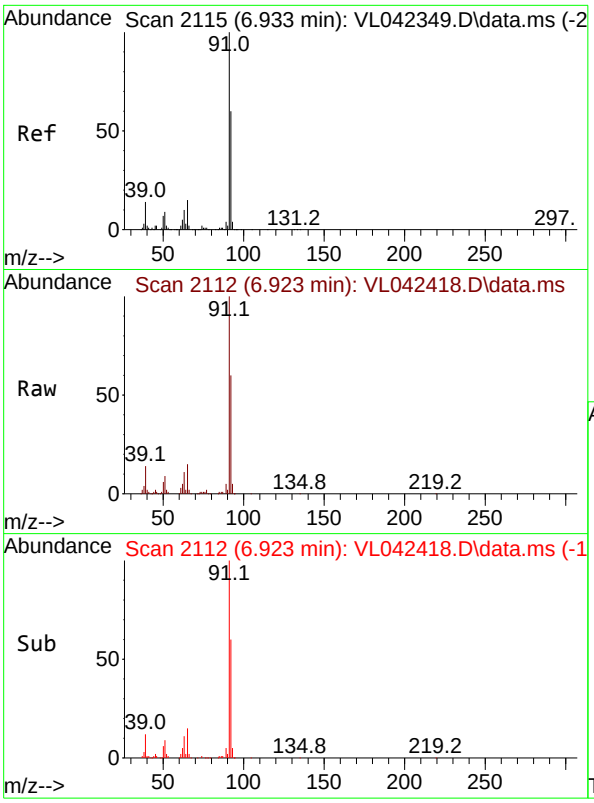


#52
Tetrachloroethene
Concen: 8.058 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:164 Resp: 113273

Ion	Ratio	Lower	Upper
164	100		
166	122.8	98.2	147.2
129	116.9	81.8	122.8
131	98.7	80.5	120.7



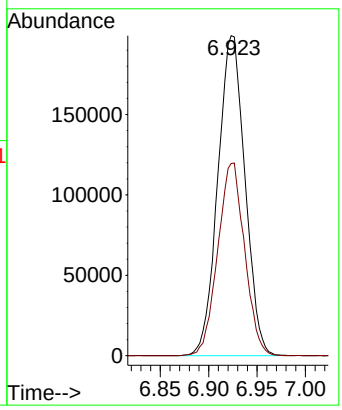


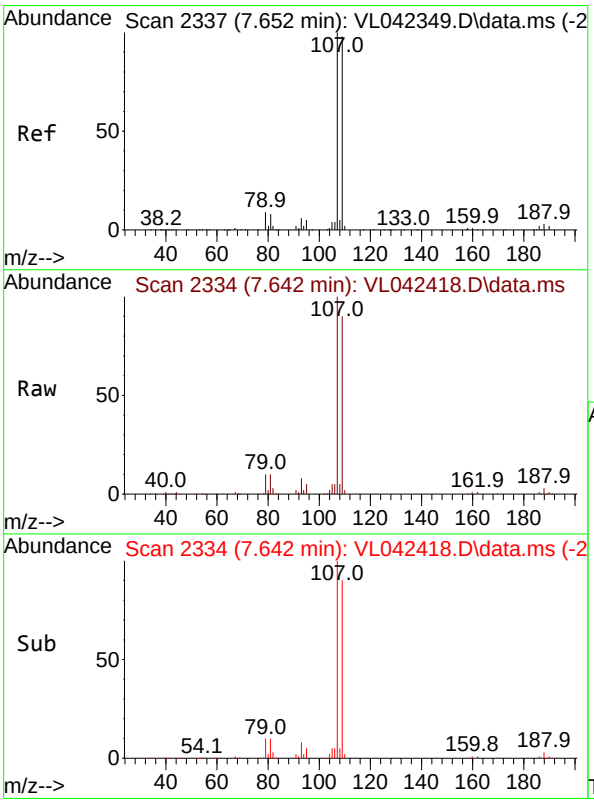
#53
Toluene
Concen: 8.904 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 91 Resp: 388626

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4

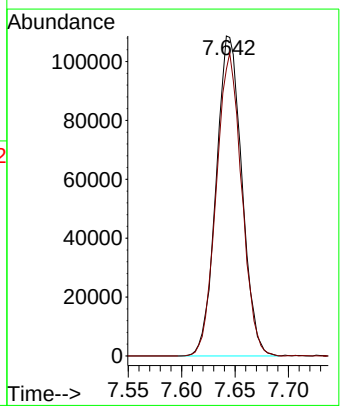


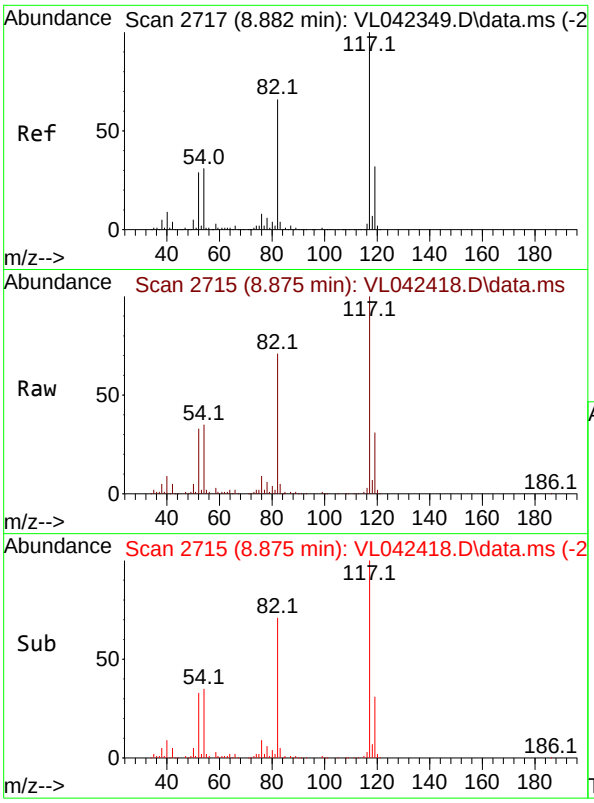


#54
1,2-Dibromoethane
Concen: 9.191 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:107 Resp: 181632

Ion	Ratio	Lower	Upper
107	100		
109	89.6	78.2	117.4



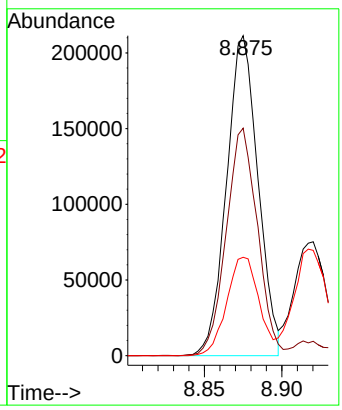


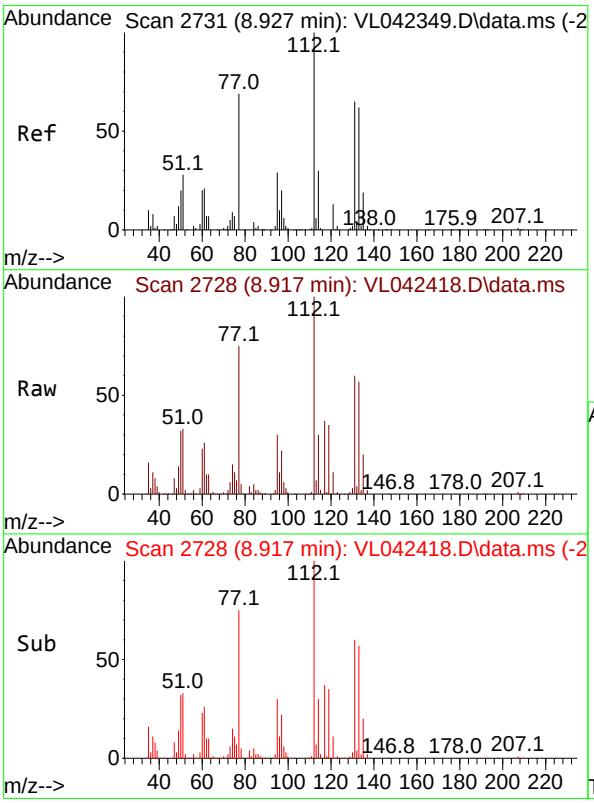
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:117 Resp: 299130

Ion	Ratio	Lower	Upper
117	100		
82	75.2	57.8	86.6
119	33.3	25.2	37.8

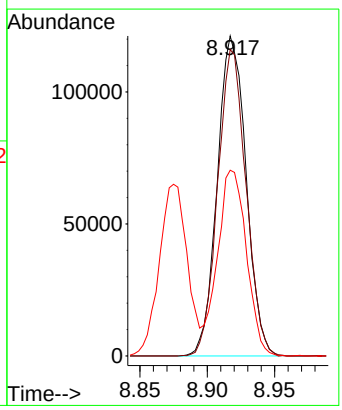


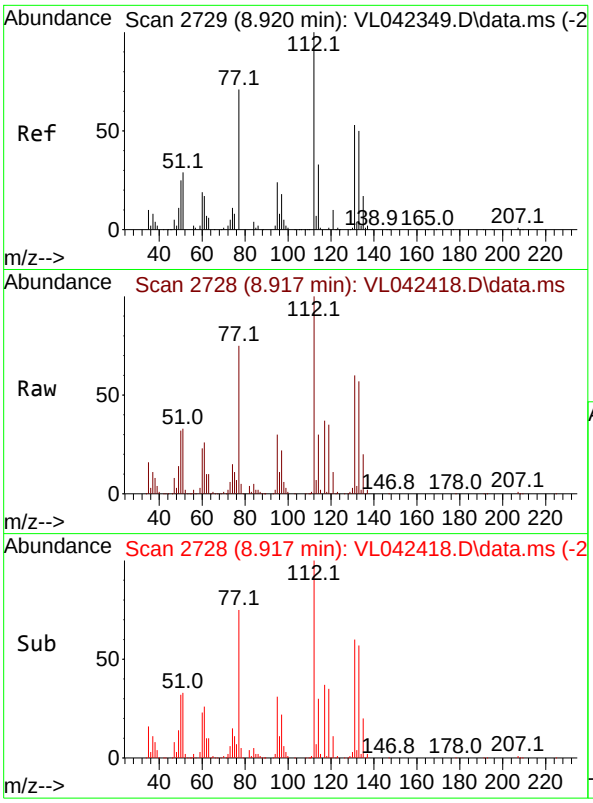


#56
1,1,1,2-Tetrachloroethane
Concen: 9.949 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:131 Resp: 180122

Ion	Ratio	Lower	Upper
131	100		
133	94.3	78.3	117.5
119	57.4	48.7	73.1



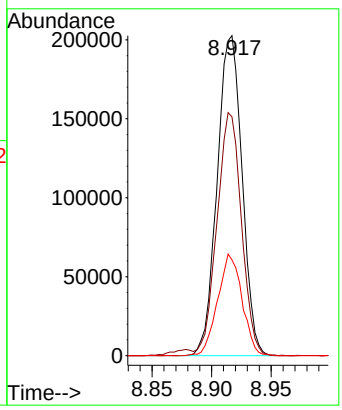


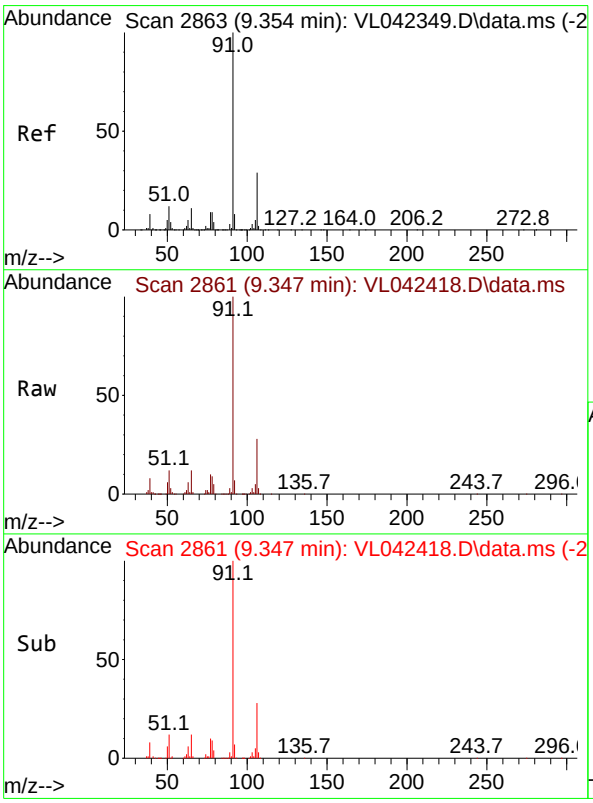
#57
Chlorobenzene
Concen: 9.480 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:112 Resp: 294922

Ion	Ratio	Lower	Upper
112	100		
77	74.6	57.8	86.6
114	29.9	29.3	35.9

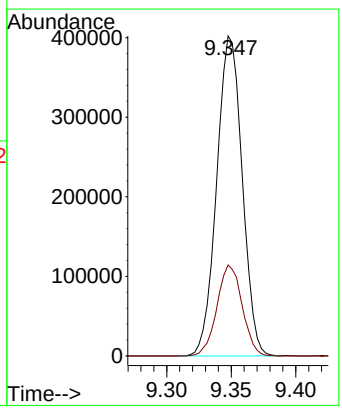


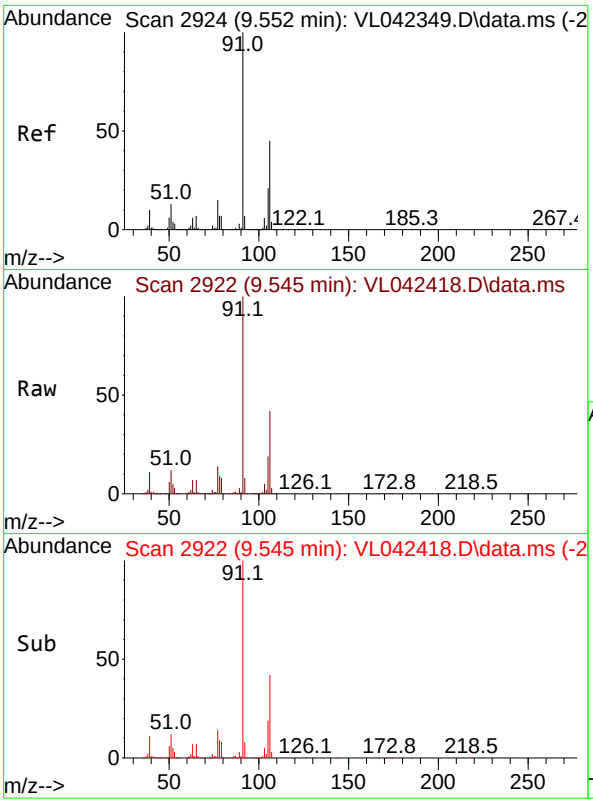


#58
Ethyl Benzene
Concen: 9.321 ppbv
RT: 9.347 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 552423

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.0	34.4



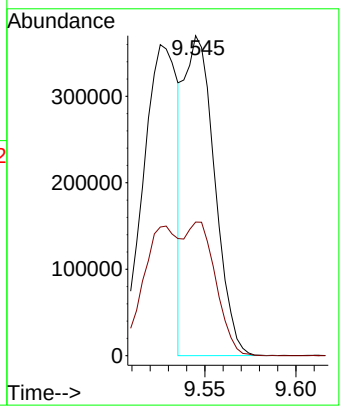


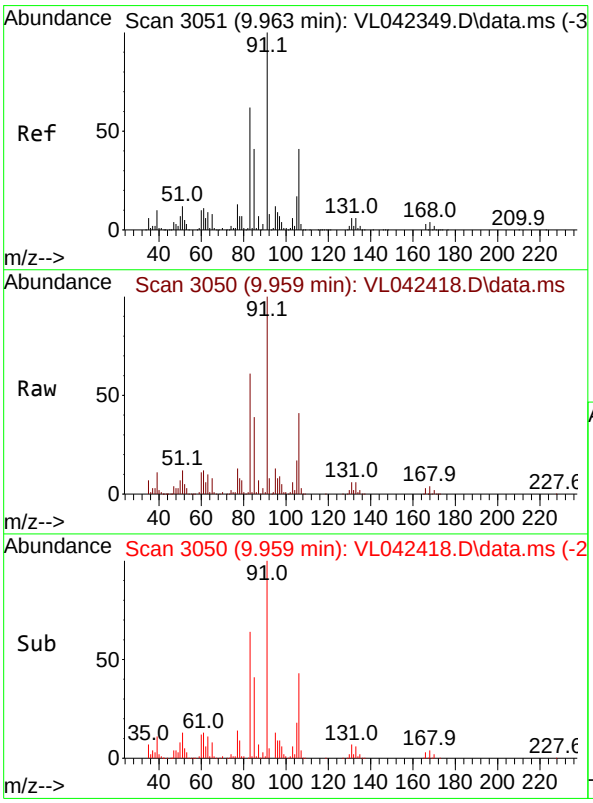
#59
m/p-Xylene
Concen: 9.091 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 91 Resp: 434048

Ion	Ratio	Lower	Upper
91	100		
106	89.1	35.4	53.2#

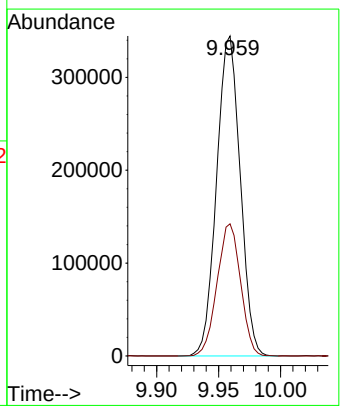


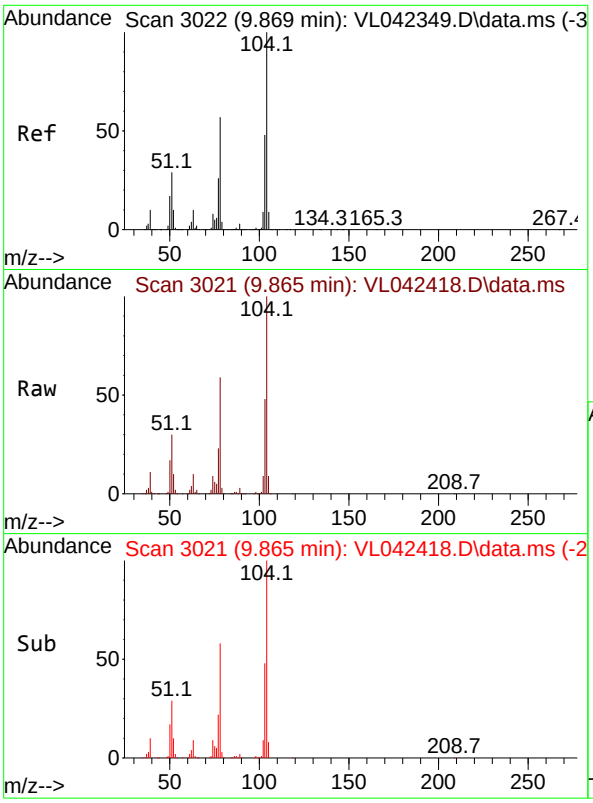


#60
o-Xylene
Concen: 9.515 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 457491

Ion	Ratio	Lower	Upper
91	100		
106	41.1	21.1	63.4



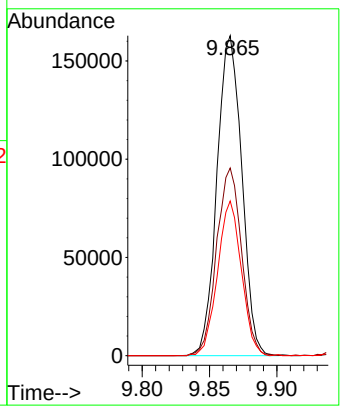


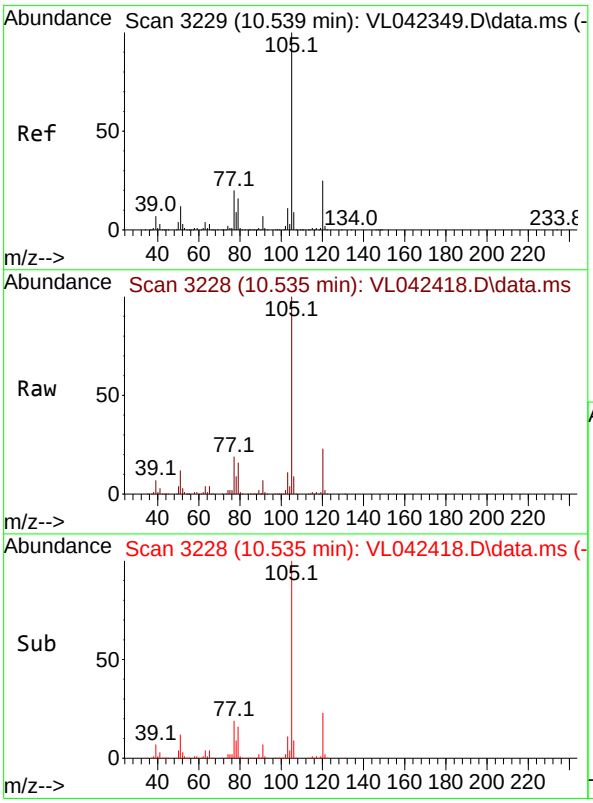
#61
Styrene
Concen: 9.086 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:104 Resp: 208517

Ion	Ratio	Lower	Upper
104	100		
78	59.1	44.6	66.8
103	46.5	37.4	56.0

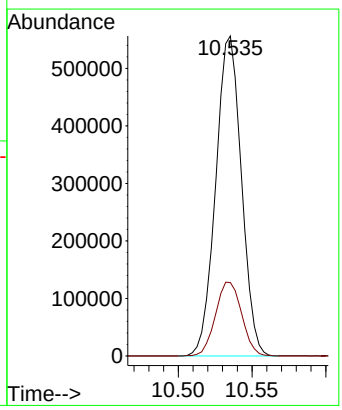


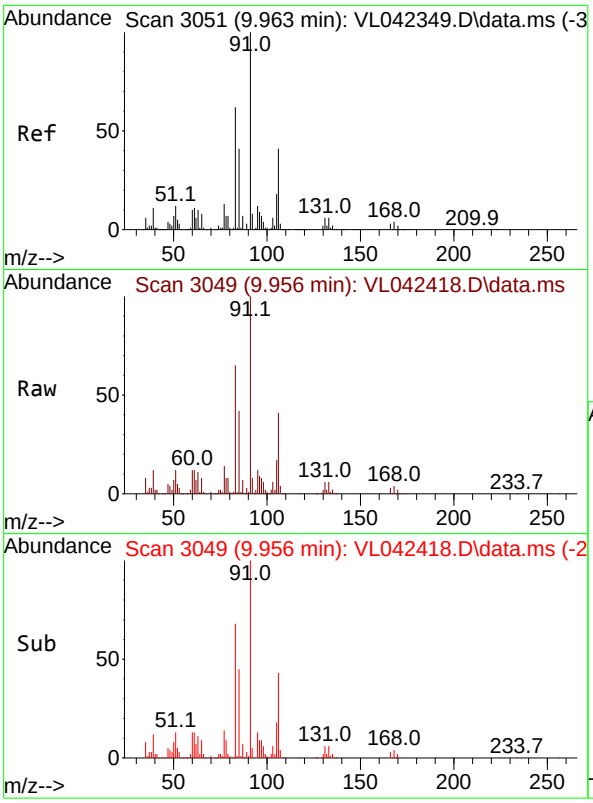


#62
Isopropylbenzene
Concen: 9.546 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 673842

Ion	Ratio	Lower	Upper
105	100		
120	23.5	19.8	29.8



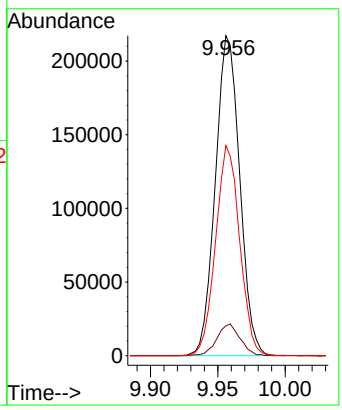


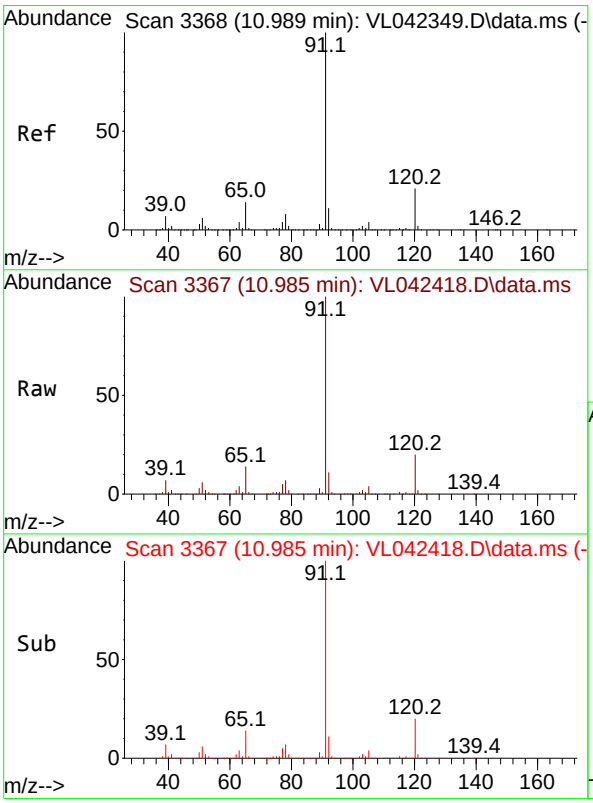
#63
1,1,2,2-Tetrachloroethane
Concen: 8.783 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 83 Resp: 273641

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.7
85	64.8	32.4	97.0

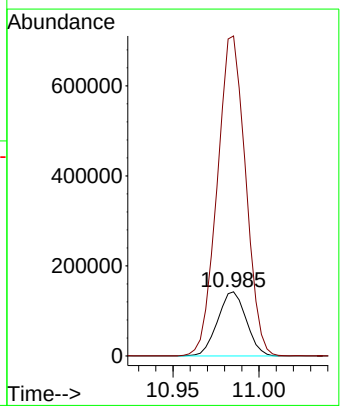


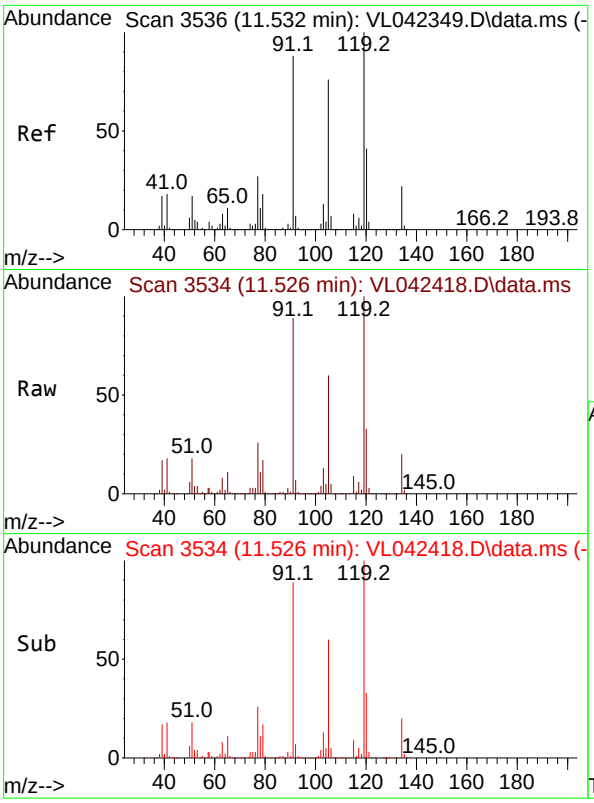


#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:120 Resp: 164482

Ion	Ratio	Lower	Upper
120	100		
91	497.0	392.4	588.6



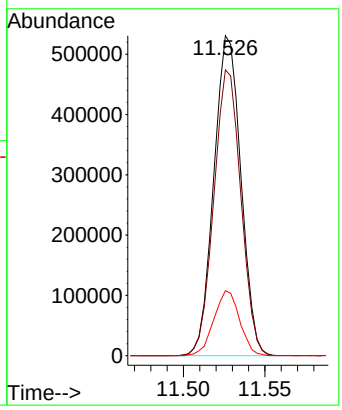


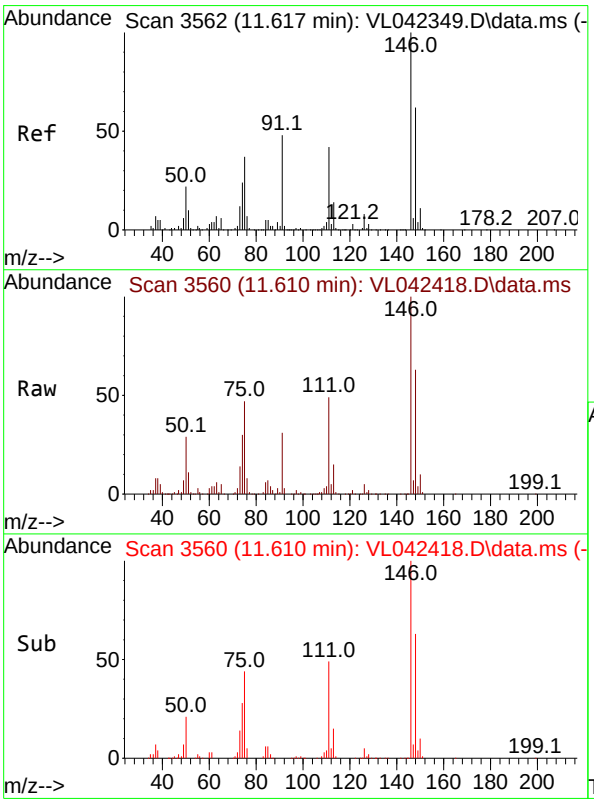
#65
tert-Butylbenzene
Concen: 9.441 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:119 Resp: 612519

Ion	Ratio	Lower	Upper
119	100		
91	89.2	74.6	111.8
134	19.3	18.8	28.2

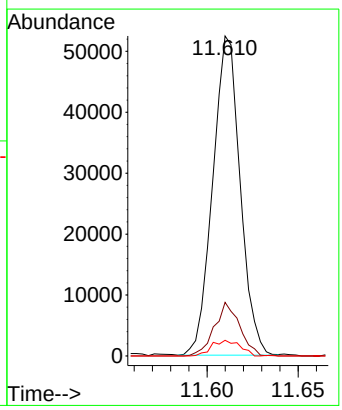


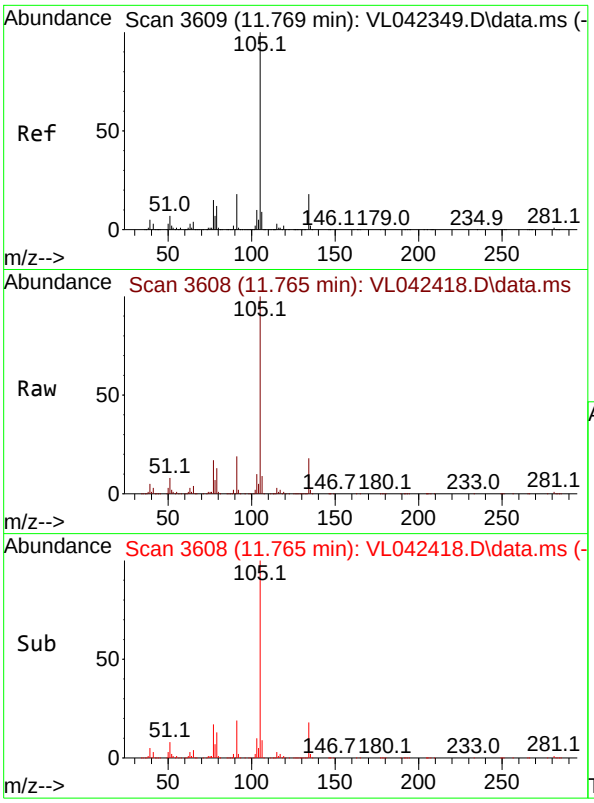


#66
Benzyl Chloride
Concen: 7.684 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 54781

Ion	Ratio	Lower	Upper
91	100		
126	15.5	11.8	17.6
128	5.1	4.5	6.7



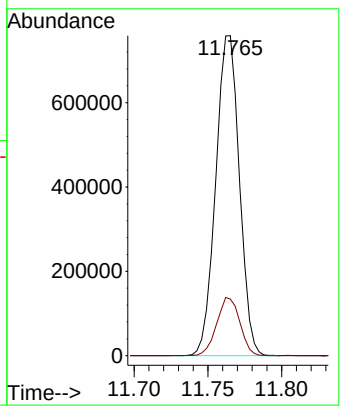


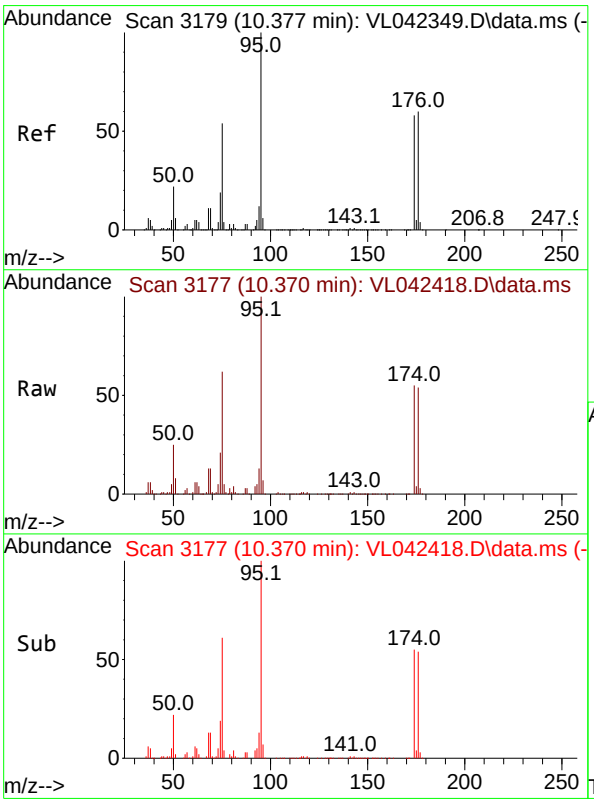
#67
sec-Butylbenzene
Concen: 9.380 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:105 Resp: 846457

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.6	21.8

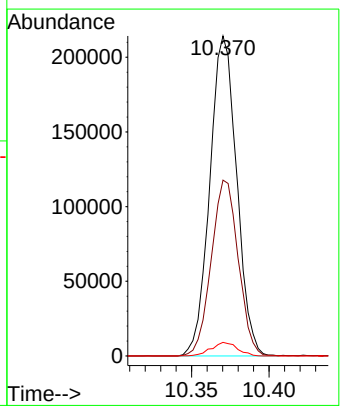


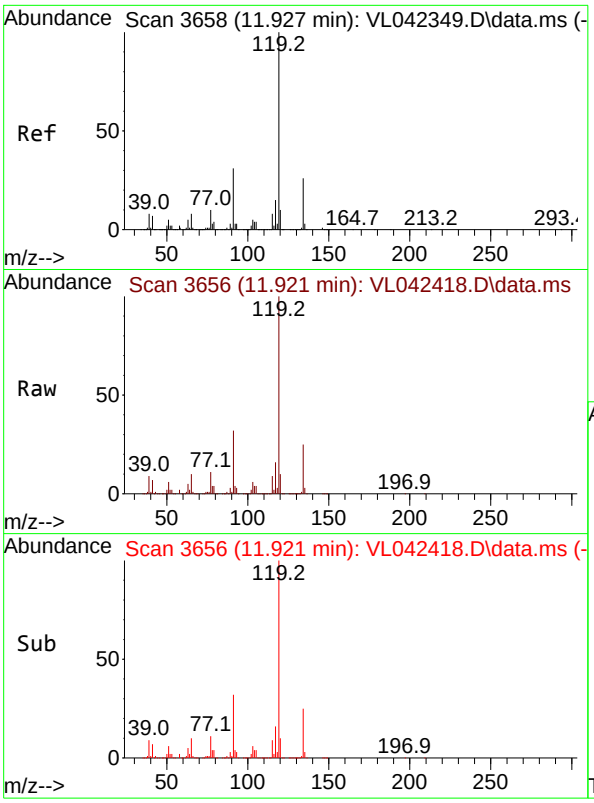


#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 95 Resp: 258626

Ion	Ratio	Lower	Upper
95	100		
174	55.3	48.5	72.7
175	4.1	3.7	5.5



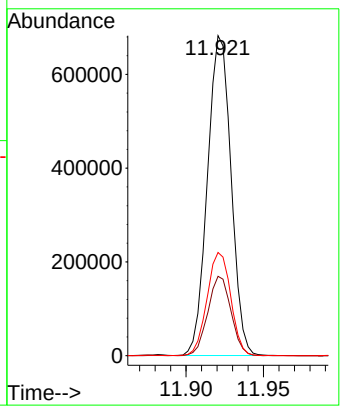


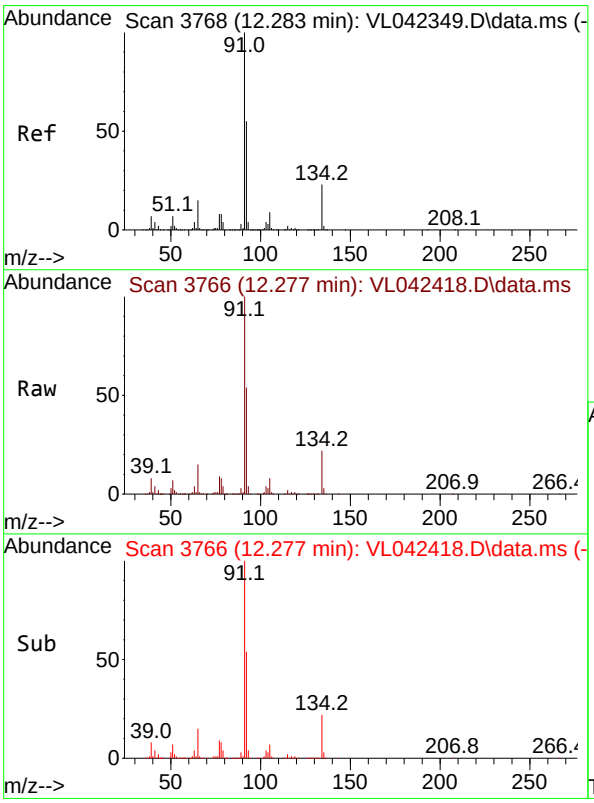
#69
p-Isopropyltoluene
Concen: 9.221 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:119 Resp: 722909

Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.0	30.0
91	32.5	24.4	36.6

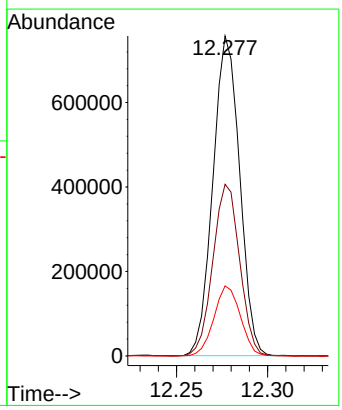


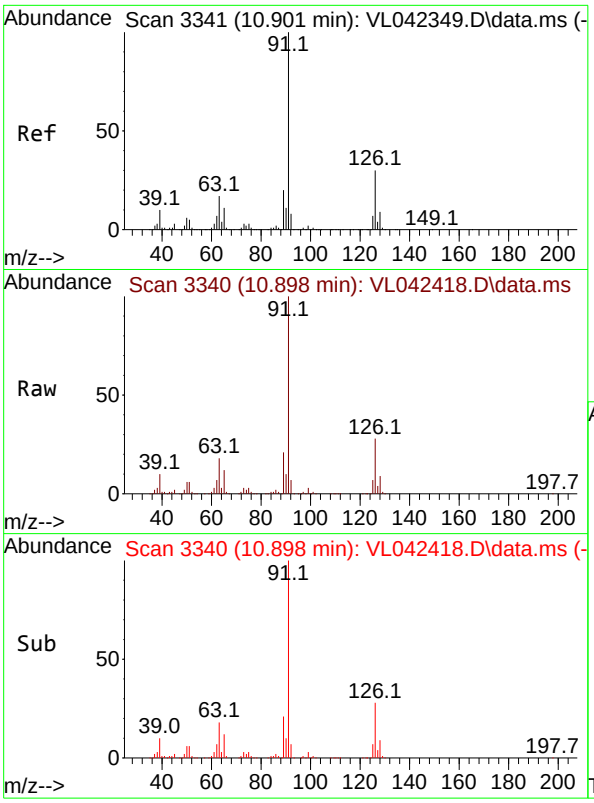


#70
n-Butylbenzene
Concen: 9.452 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 771835

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.2	66.4
134	21.8	18.2	27.4



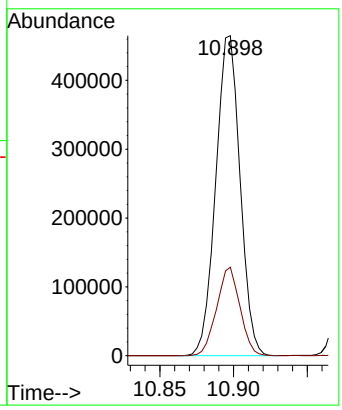


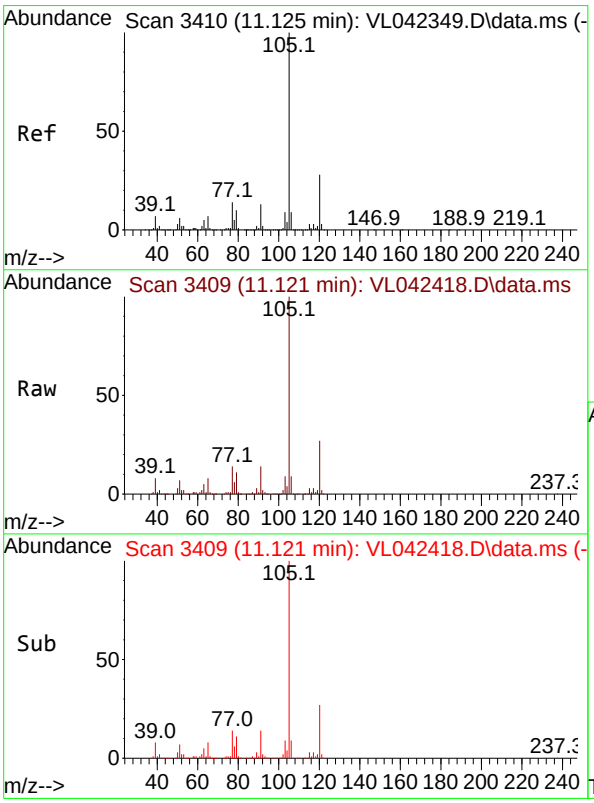
#71
2-Chlorotoluene
Concen: 9.623 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 91 Resp: 532755

Ion	Ratio	Lower	Upper
91	100		
126	26.5	11.4	45.4

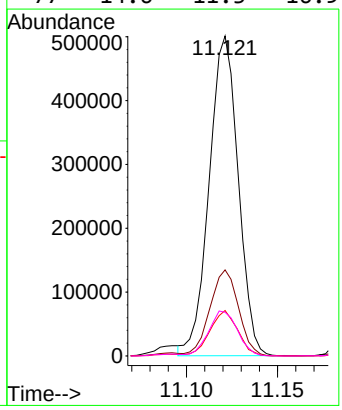


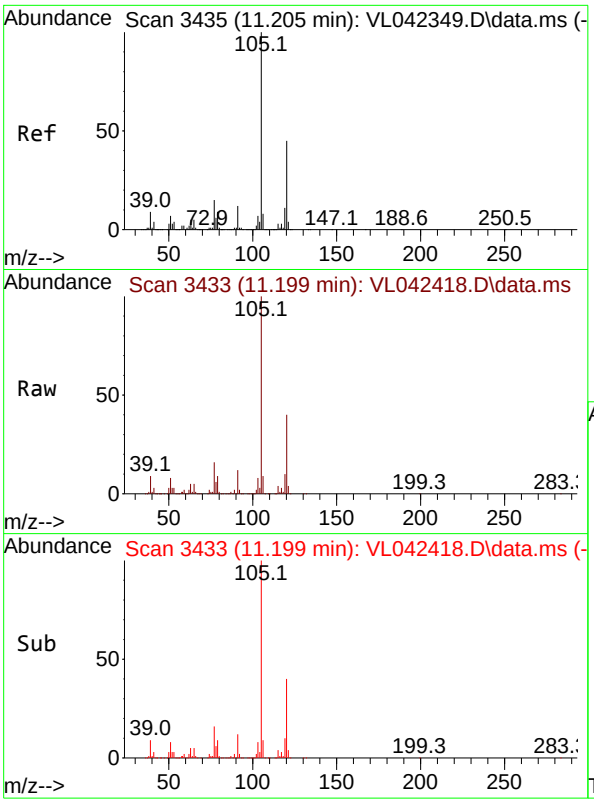


#72
4-Ethyltoluene
Concen: 9.438 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 554770

Ion	Ratio	Lower	Upper
105	100		
120	27.4	23.2	34.8
91	14.2	10.4	15.6
77	14.6	11.3	16.9



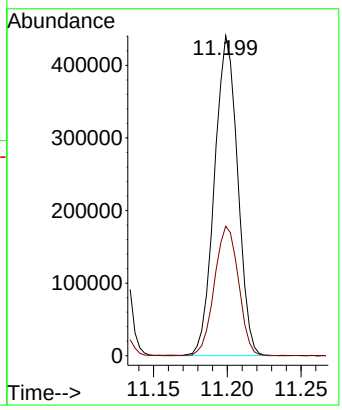


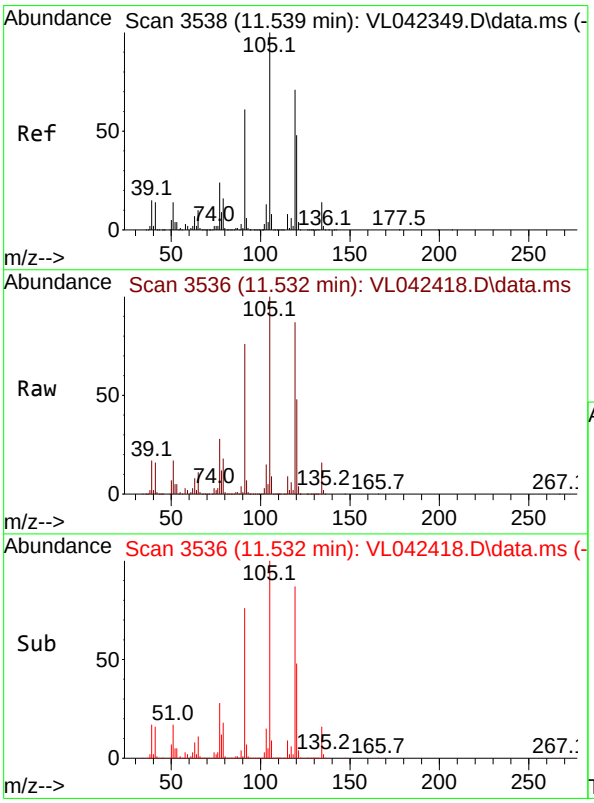
#73
1,3,5-Trimethylbenzene
Concen: 9.283 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:105 Resp: 481697

Ion	Ratio	Lower	Upper
105	100		
120	40.5	35.6	53.4

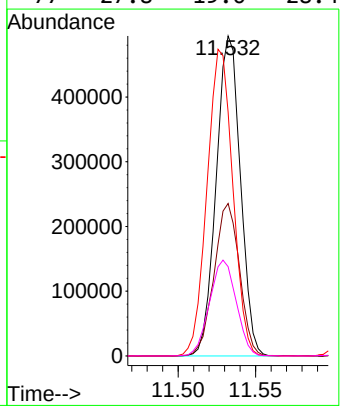


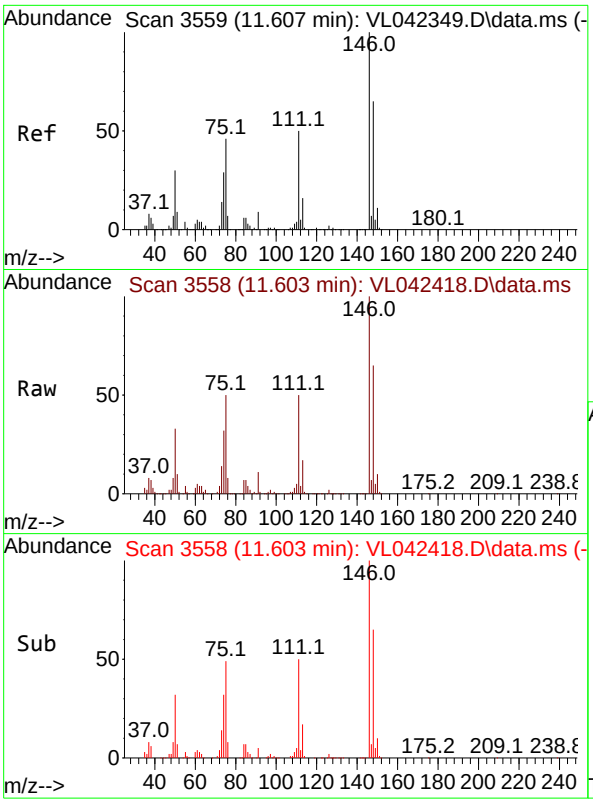


#74
1,2,4-Trimethylbenzene
Concen: 8.869 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 537510

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.1	57.1
91	76.2	48.8	73.2#
77	27.8	19.0	28.4



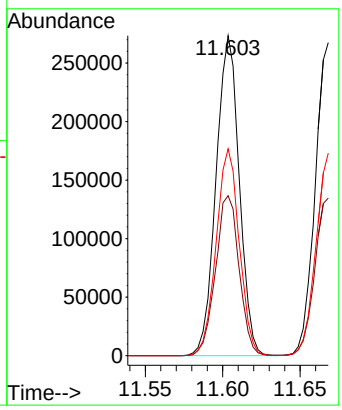


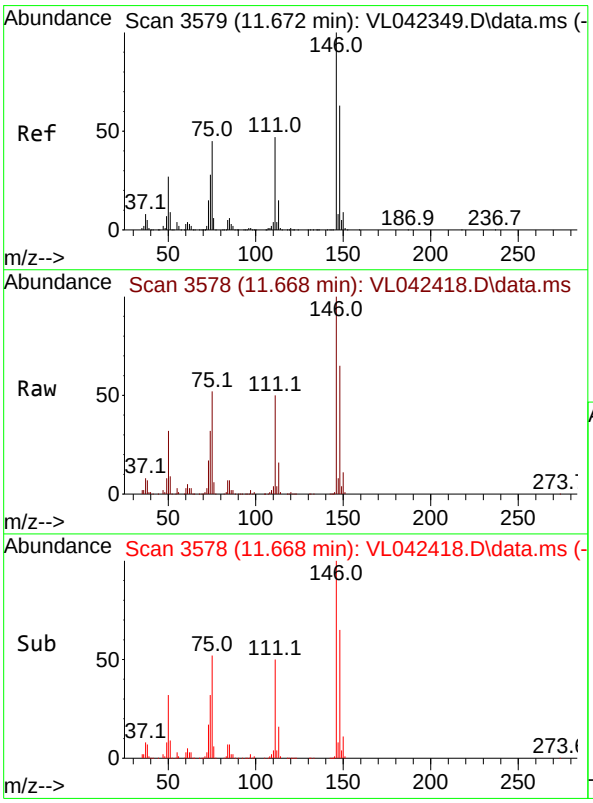
#75
1,3-Dichlorobenzene
Concen: 9.035 ppbv
RT: 11.603 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:146 Resp: 284652

Ion	Ratio	Lower	Upper
146	100		
111	50.9	24.3	72.8
148	64.3	31.6	94.8

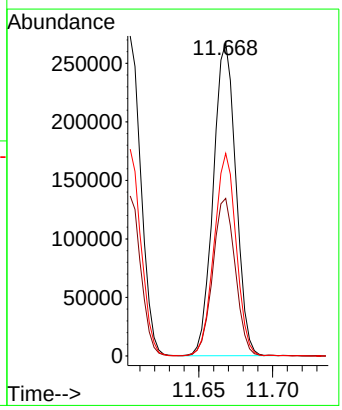


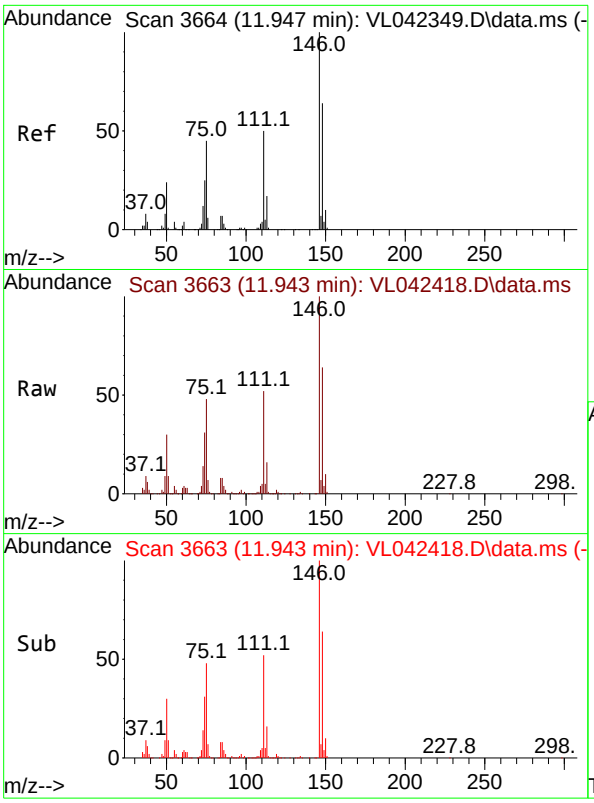


#76
1,4-Dichlorobenzene
Concen: 8.992 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:146 Resp: 284740

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.2	72.6
148	63.7	32.1	96.5



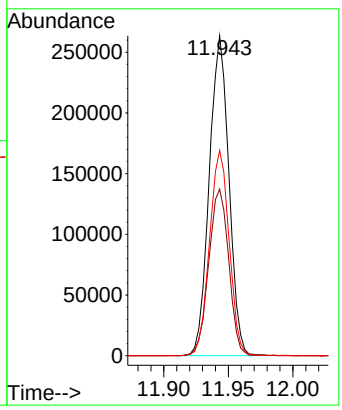


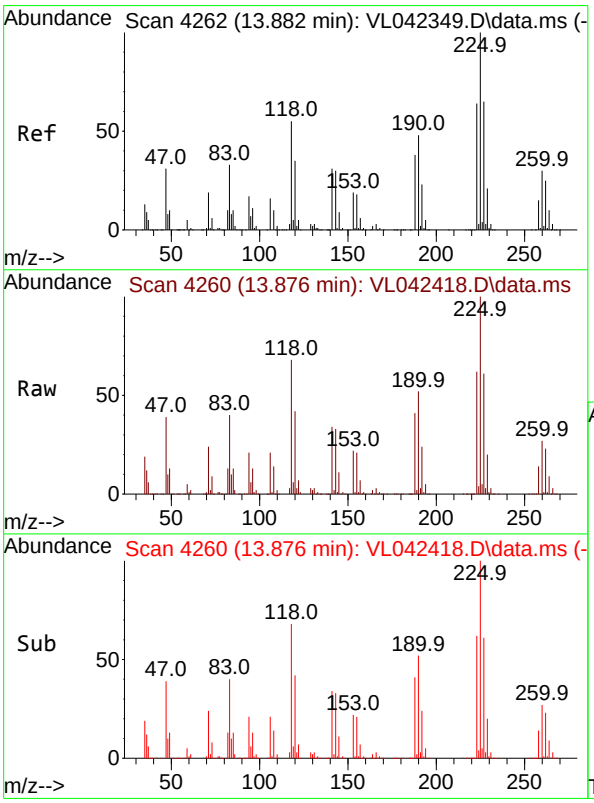
#77
1,2-Dichlorobenzene
Concen: 9.095 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:146 Resp: 278619

Ion	Ratio	Lower	Upper
146	100		
111	53.0	25.3	75.9
148	64.0	31.5	94.5

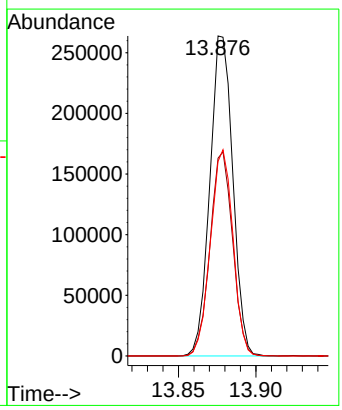


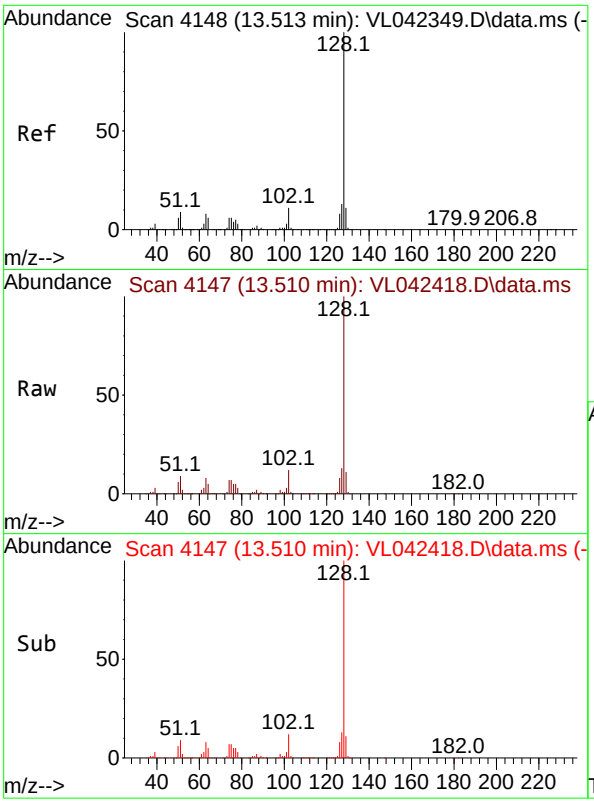


#78
Hexachloro-1,3-Butadiene
Concen: 8.779 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:225 Resp: 271569

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.3	51.5	77.3



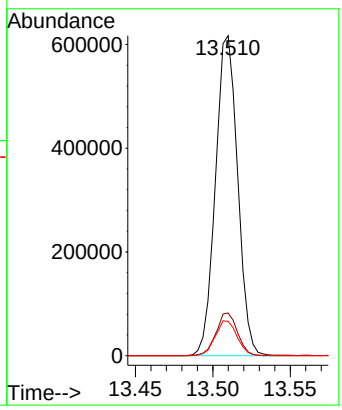


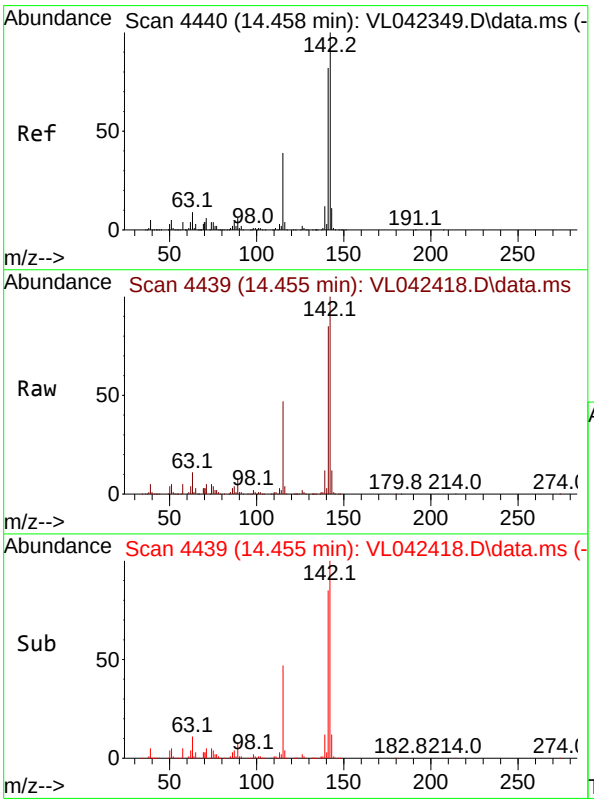
#79
Naphthalene
Concen: 8.482 ppbv
RT: 13.510 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:128 Resp: 614768

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.7	8.6	12.8

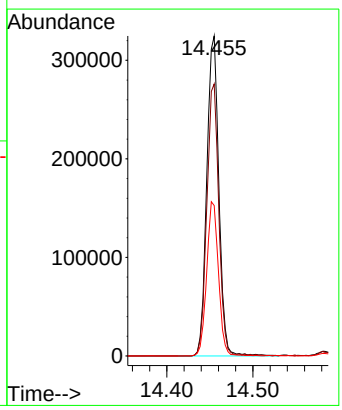


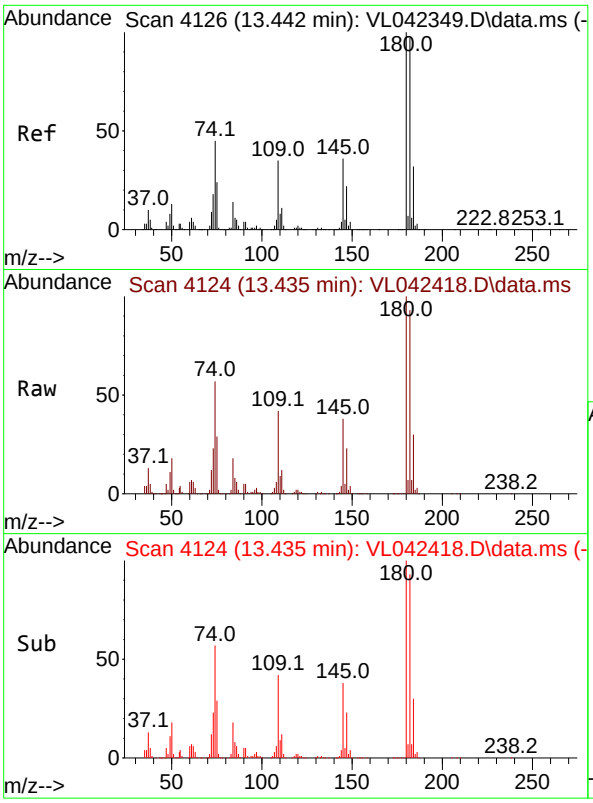


#80
Naphthalene,2-methyl-
Concen: 7.651 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:142 Resp: 316027

Ion	Ratio	Lower	Upper
142	100		
141	84.7	66.8	100.2
115	47.3	33.4	50.2



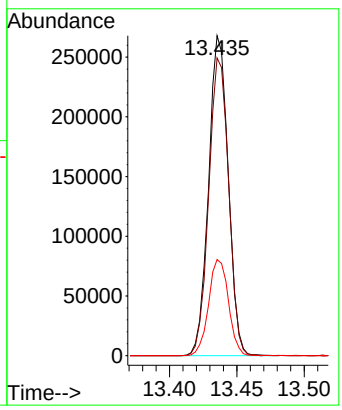


#81
1,2,4-Trichlorobenzene
Concen: 8.729 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion:180 Resp: 271657

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
184	30.4	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042426.D
Acq On : 28 Apr 2025 15:08
Operator : SY/MD
Sample : Q1880-02
Misc : 400mL/MSVOA_L
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Quant Time: Apr 29 01:38:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

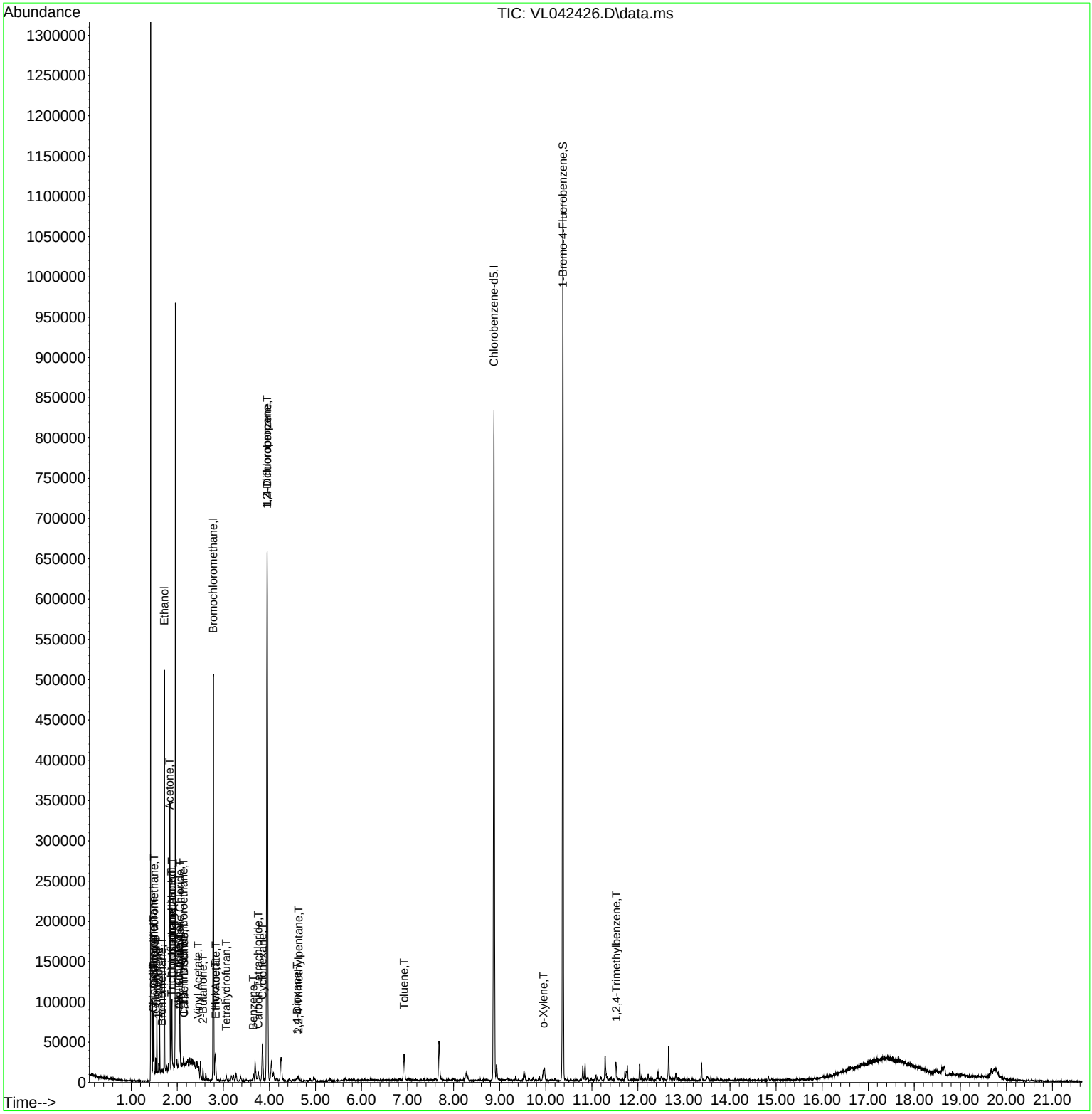
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	135538	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	375715	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	317341	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	274941	10.543	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	11406	0.476	ppbv		98
3) Chlorodifluoromethane	1.473	51	9770	0.428	ppbv	#	88
4) Chloromethane	1.531	50	5297	0.559	ppbv		94
6) Bromomethane	1.670	94	288	0.065	ppbv	#	78
7) Chloroethane	1.887	64	112	0.030	ppbv	#	45
9) Propene	1.486	41	5107	0.492	ppbv	#	15
11) Trichlorofluoromethane	1.874	101	7696	0.338	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.136	101	1100	0.059	ppbv	#	72
13) Ethanol	1.719	45	164901	99.903	ppbv		74
15) Acetone	1.832	43	135399	6.102	ppbv	#	88
16) 1,3-Butadiene	1.596	39	1660	0.156	ppbv	#	9
17) tert-Butyl alcohol	2.039	59	2071	0.075	ppbv	#	71
19) Isopropyl Alcohol	1.884	45	31595	2.563	ppbv	#	23
20) Methylene Chloride	2.059	84	7130	0.821	ppbv		89
21) Allyl Chloride	2.036	41	3546	0.231	ppbv		96
23) Vinyl Acetate	2.447	43	6340	0.706	ppbv	#	62
25) Ethyl Acetate	2.836	43	15358	0.281	ppbv	#	95
26) Hexane	2.823	57	7034	0.318	ppbv	#	4
27) Carbon Disulfide	2.146	76	1123	0.047	ppbv	#	1
30) Cyclohexane	3.852	84	11034	0.617	ppbv	#	89
34) 2-Butanone	2.557	43	8551	0.288	ppbv		96
35) Carbon Tetrachloride	3.758	117	2037	0.060	ppbv	#	48
36) Benzene	3.648	78	3890	0.096	ppbv	#	92
39) 1,2-Dichloropropane	3.949	63	104432	6.915	ppbv	#	23
40) 1,4-Dioxane	4.600	88	286	0.034	ppbv	#	1
41) Tetrahydrofuran	3.062	42	1116	0.064	ppbv	#	79
44) 2,2,4-Trimethylpentane	4.635	57	2408	0.034	ppbv	#	33
53) Toluene	6.923	91	16750	0.344	ppbv	#	20
60) o-Xylene	9.953	91	1907	0.037	ppbv	#	62
74) 1,2,4-Trimethylbenzene	11.532	105	3954	0.061	ppbv	#	80

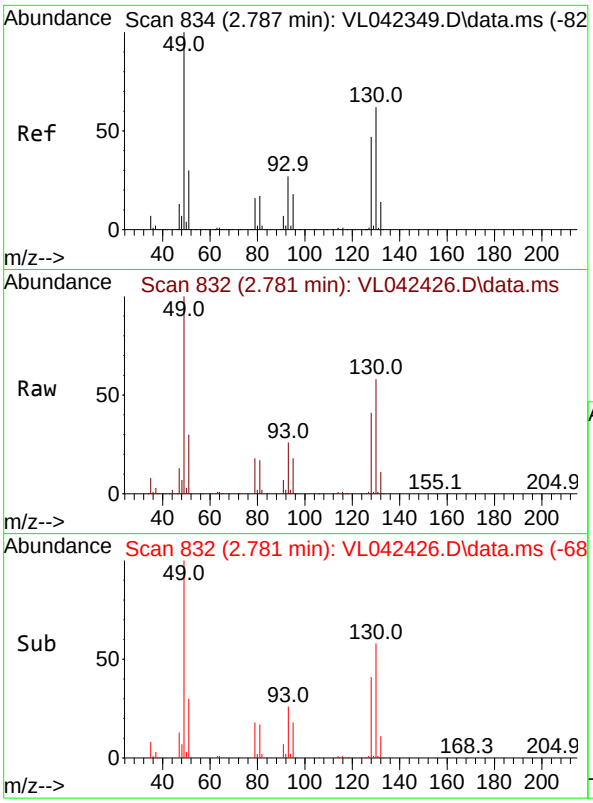
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042426.D
Acq On : 28 Apr 2025 15:08
Operator : SY/MD
Sample : Q1880-02
Misc : 400mL/MSVOA_L
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Quant Time: Apr 29 01:38:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



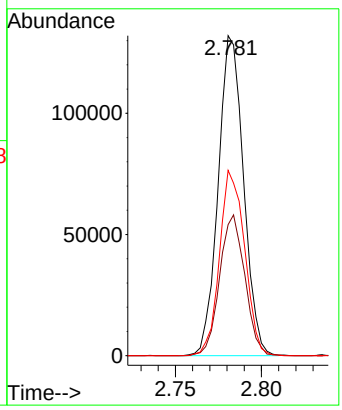


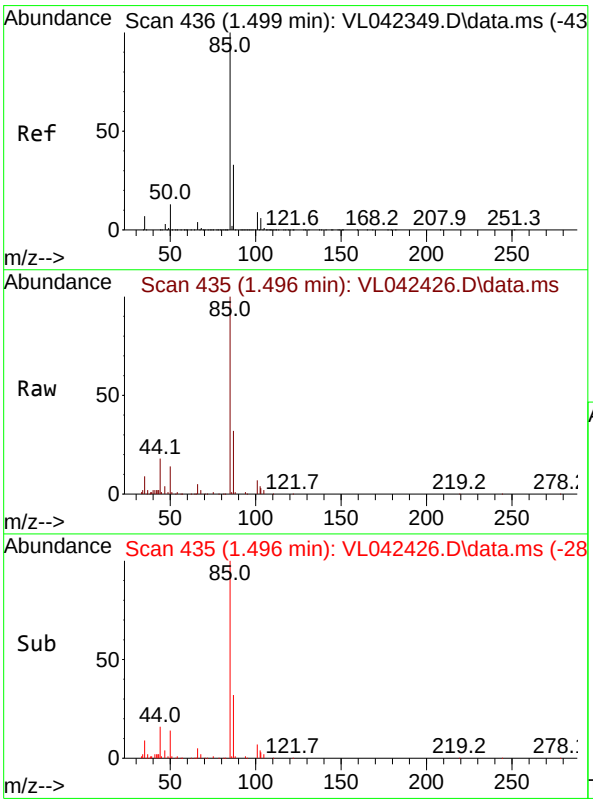
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 49 Resp: 135538

Ion	Ratio	Lower	Upper
49	100		
128	43.7	22.8	68.4
130	57.2	29.3	88.0

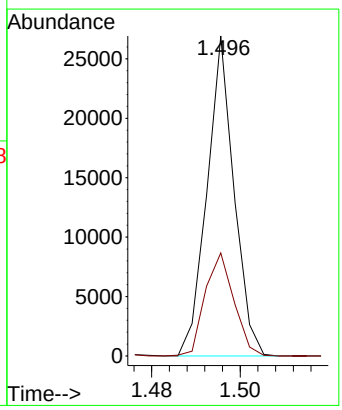


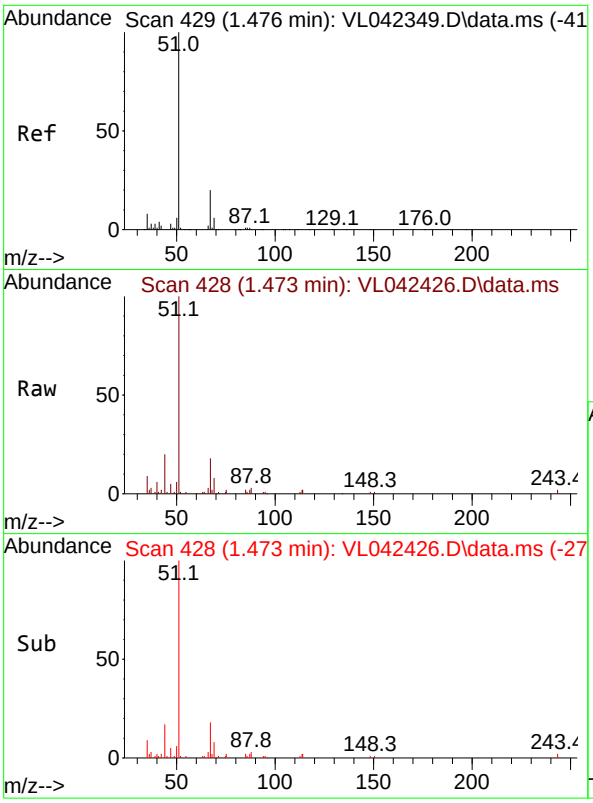


#2
Dichlorodifluoromethane
Concen: 0.476 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 85 Resp: 11406

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8



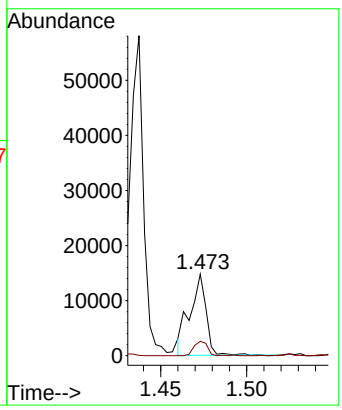


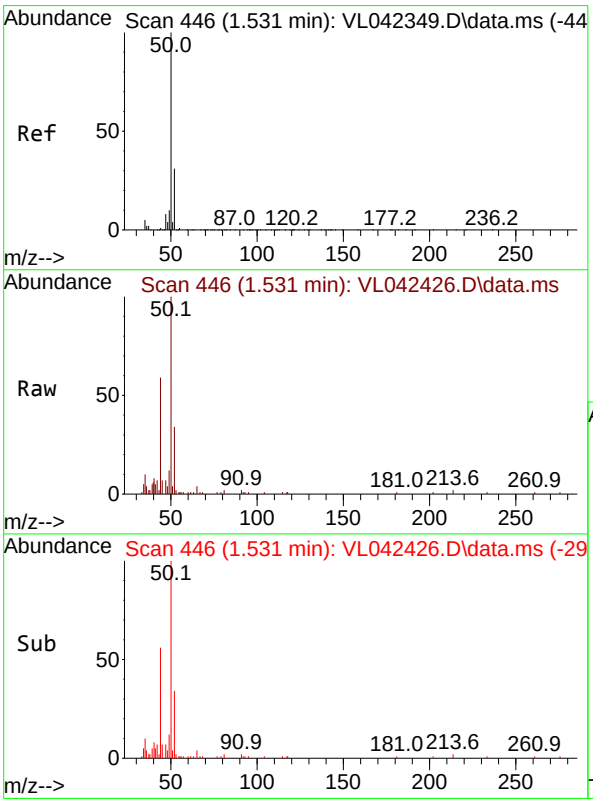
#3
Chlorodifluoromethane
Concen: 0.428 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 51 Resp: 9770

Ion	Ratio	Lower	Upper
51	100		
67	14.8	16.2	24.4#

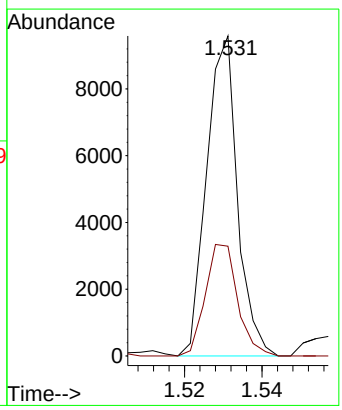


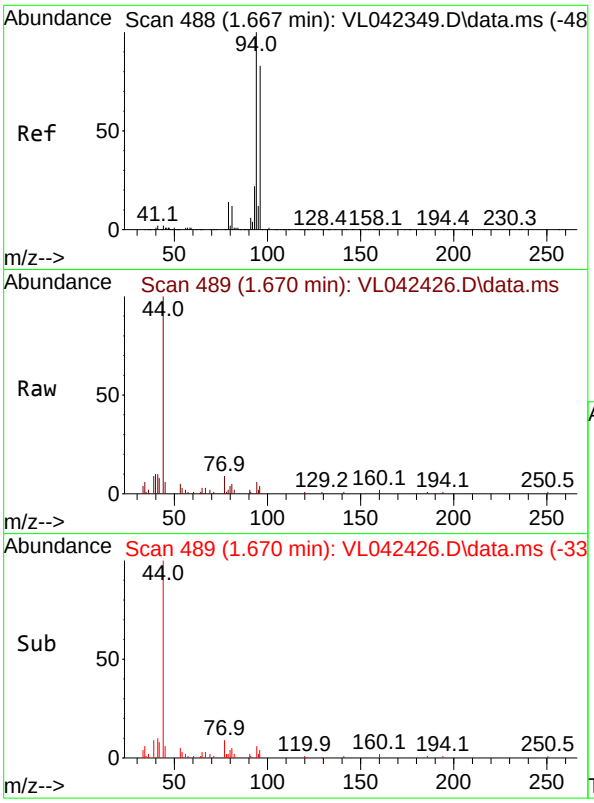


#4
Chloromethane
Concen: 0.559 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 50 Resp: 5297

Ion	Ratio	Lower	Upper
50	100		
52	34.3	24.7	37.1



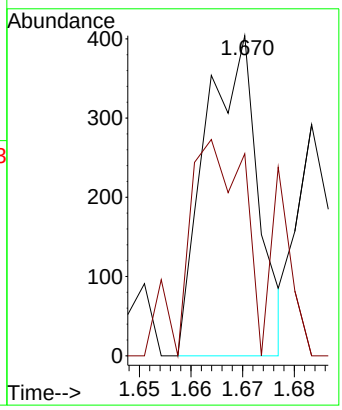


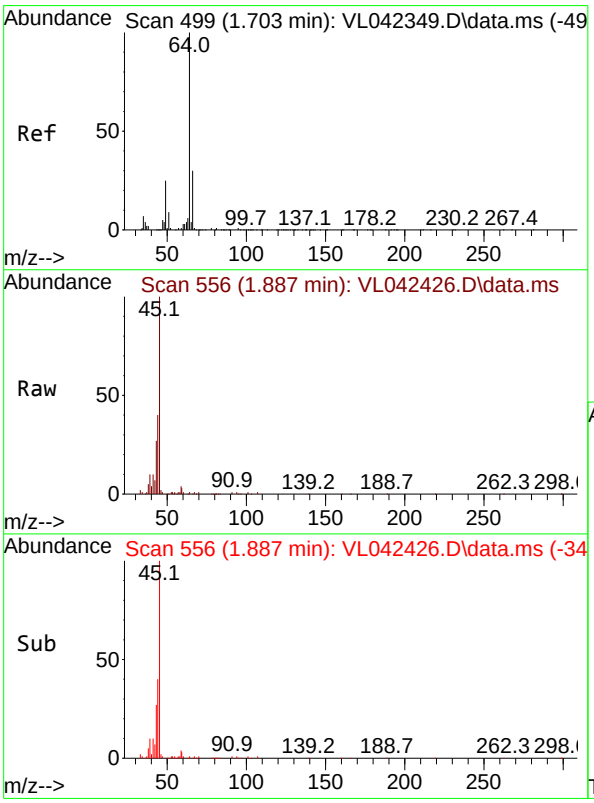
#6
Bromomethane
Concen: 0.065 ppbv
RT: 1.670 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 94 Resp: 288

Ion	Ratio	Lower	Upper
94	100		
96	63.1	66.2	99.2#

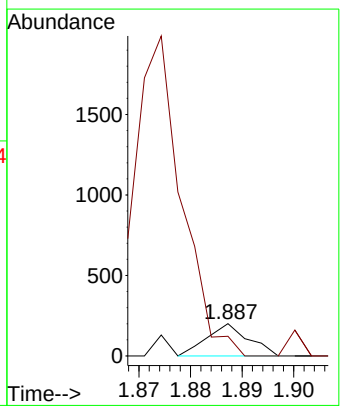


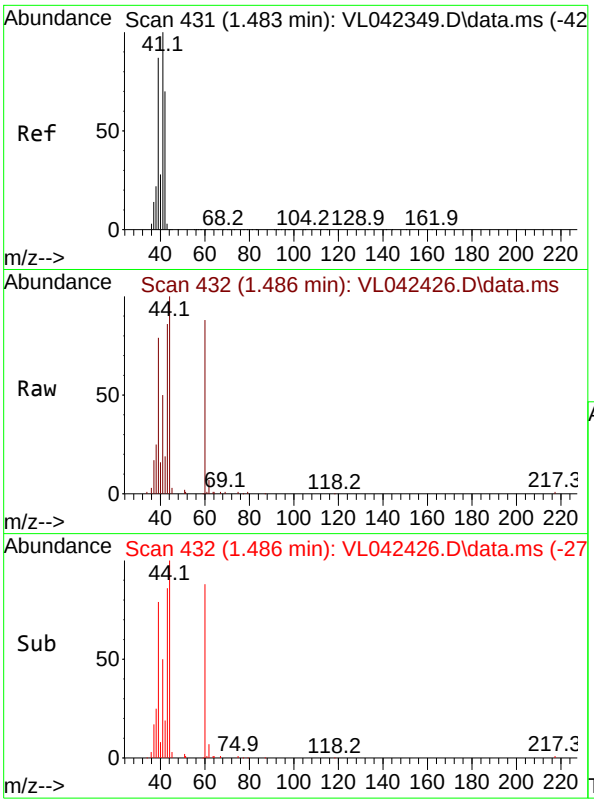


#7
Chloroethane
Concen: 0.030 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.185 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 64 Resp: 112

Ion	Ratio	Lower	Upper
64	100		
66	60.7	24.6	37.0#



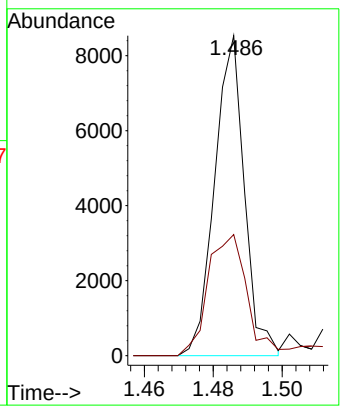


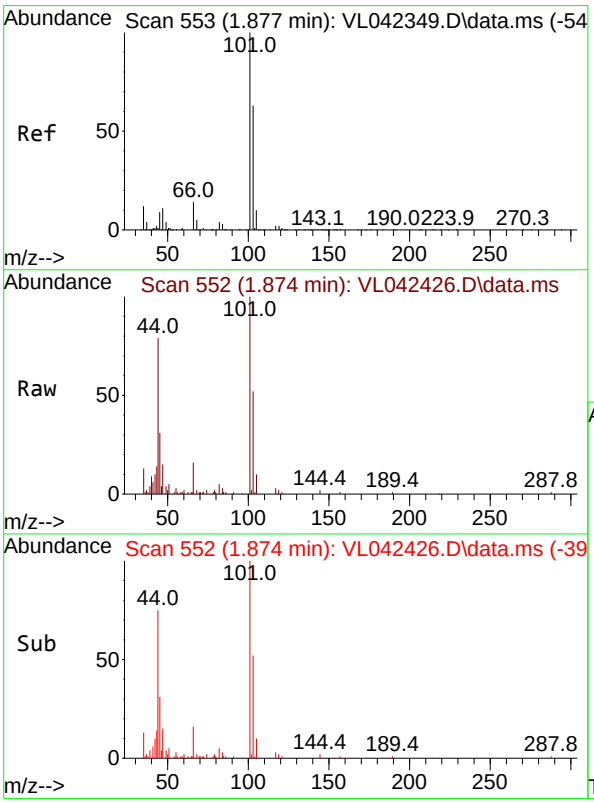
#9
Propene
Concen: 0.492 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 41 Resp: 5107

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#

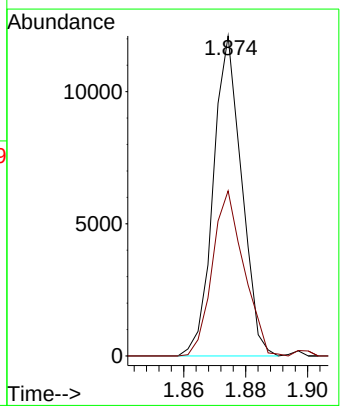


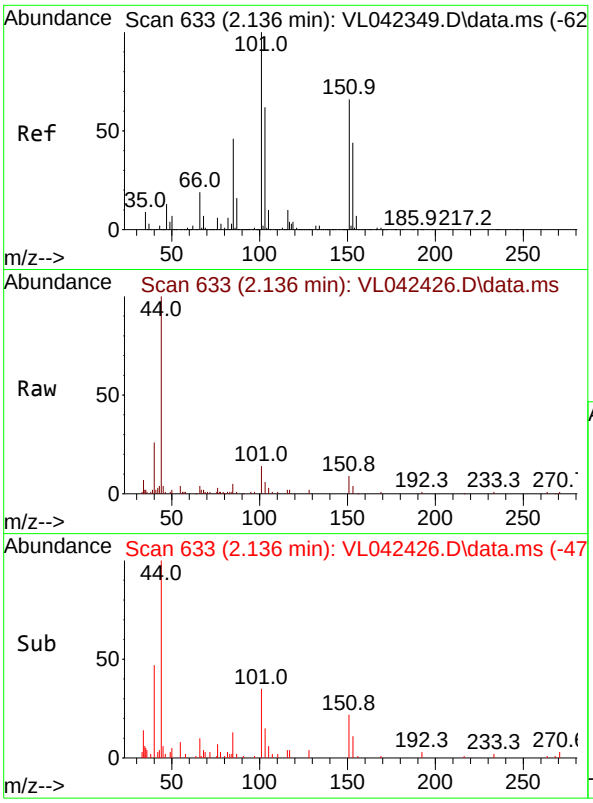


#11
Trichlorofluoromethane
Concen: 0.338 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:101 Resp: 7696

Ion	Ratio	Lower	Upper
101	100		
103	51.6	50.1	75.1



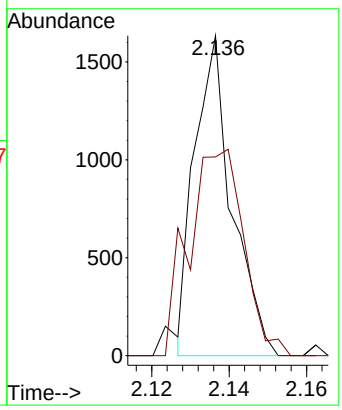


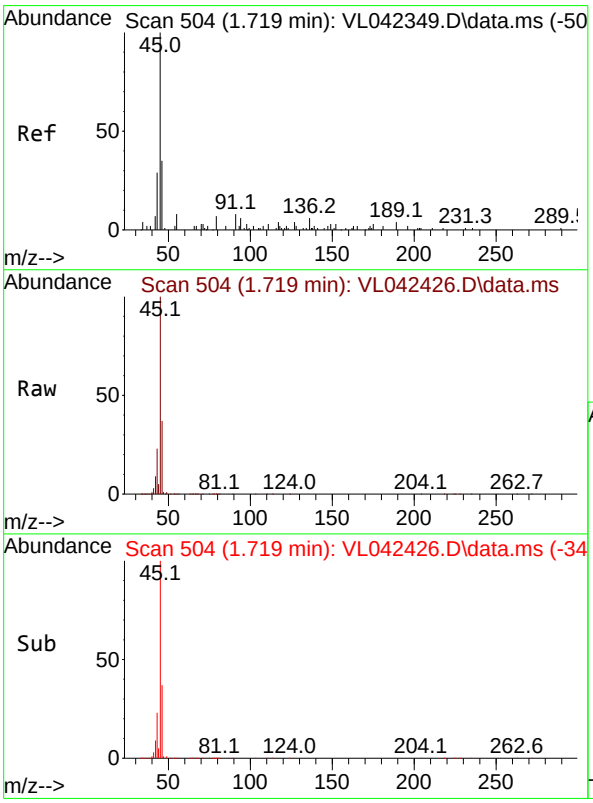
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 2.136 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion:101 Resp: 1100

Ion	Ratio	Lower	Upper
101	100		
151	94.5	57.0	85.6#

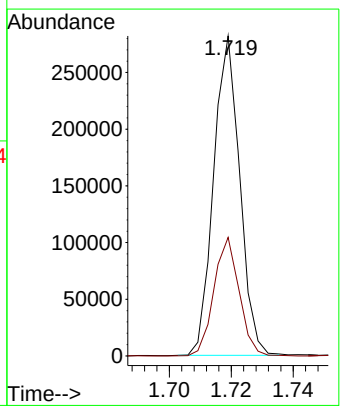


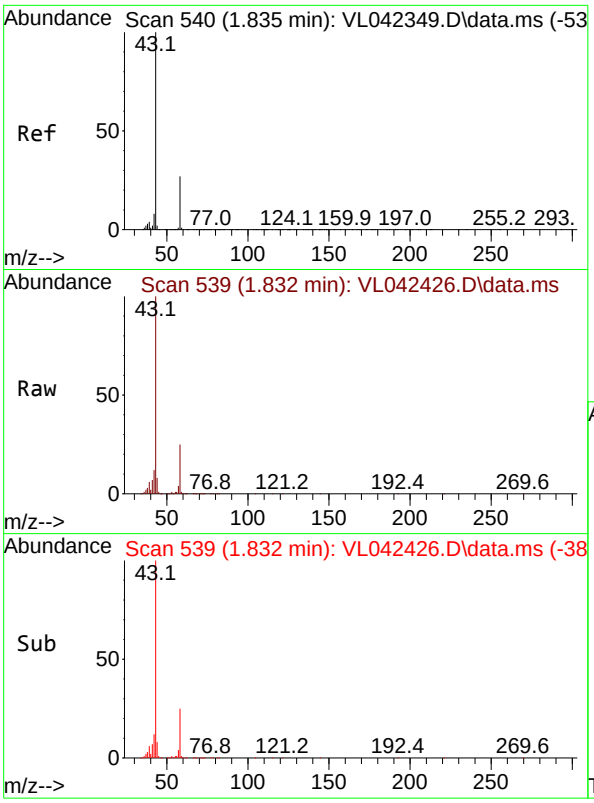


#13
Ethanol
Concen: 99.903 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 45 Resp: 164901

Ion	Ratio	Lower	Upper
45	100		
46	36.2	21.9	87.7



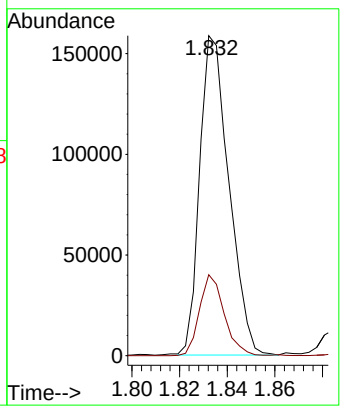


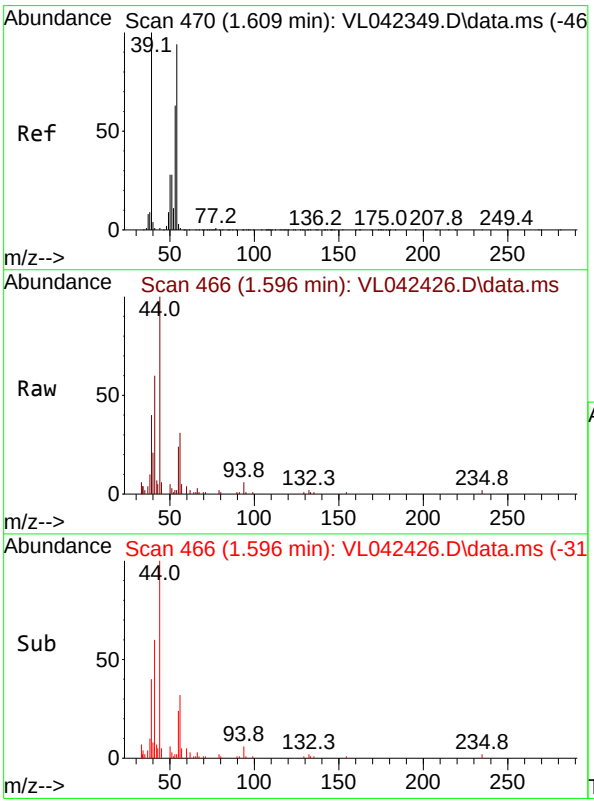
#15
Acetone
Concen: 6.102 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 43 Resp: 135399

Ion	Ratio	Lower	Upper
43	100		
58	21.6	22.4	33.6#

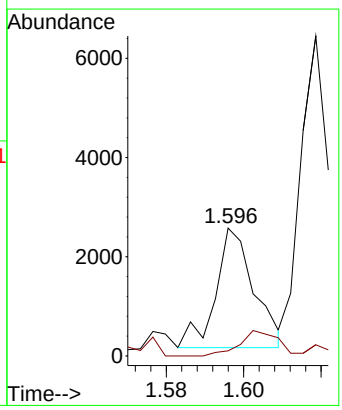


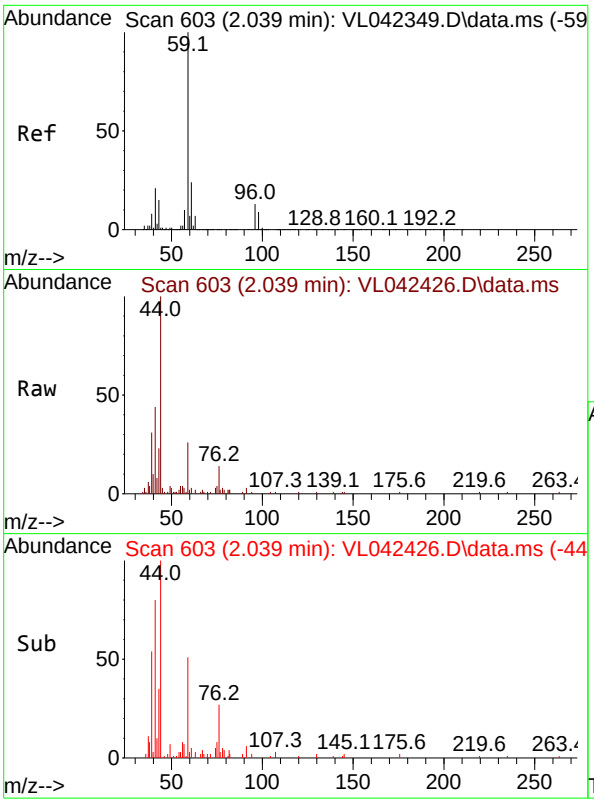


#16
1,3-Butadiene
Concen: 0.156 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.013 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 39 Resp: 1660

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.9	97.3#



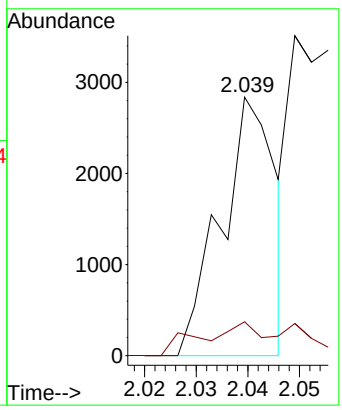


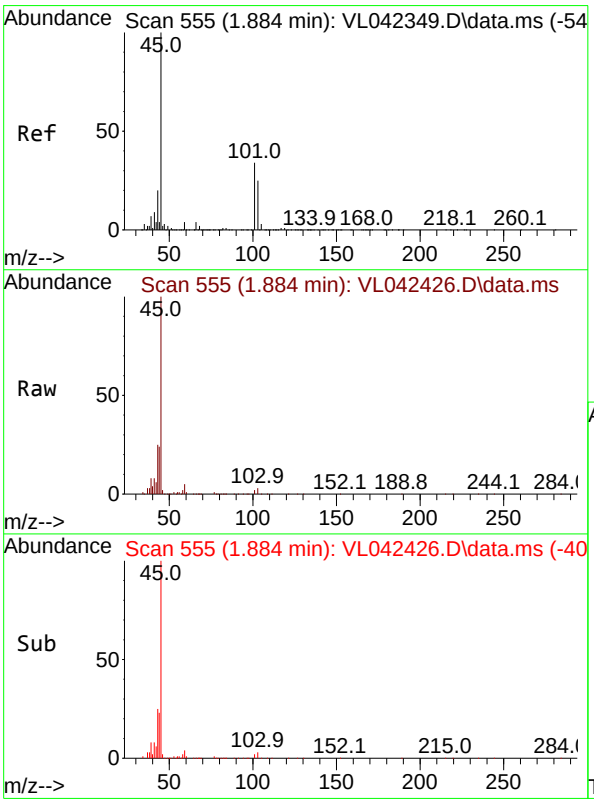
#17
tert-Butyl alcohol
Concen: 0.075 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 59 Resp: 2071

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

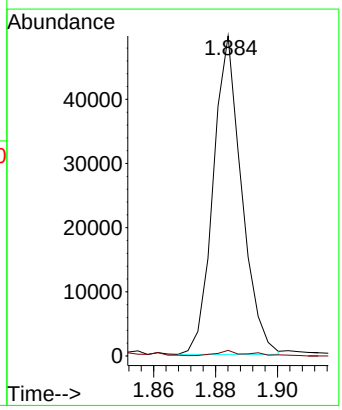


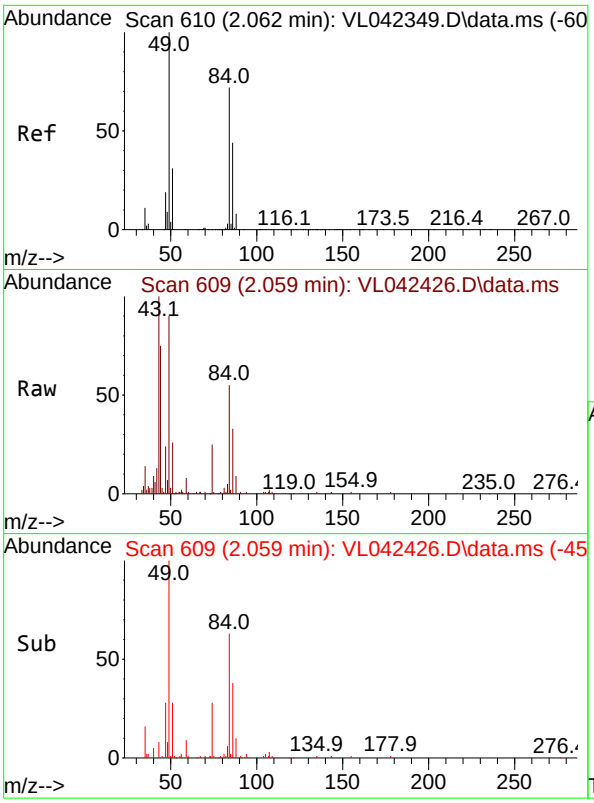


#19
Isopropyl Alcohol
Concen: 2.563 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 45 Resp: 31595

Ion	Ratio	Lower	Upper
45	100		
58	92.7	34.5	51.7#



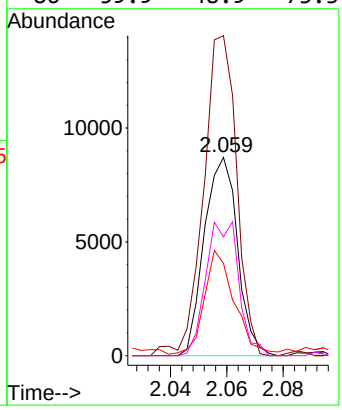


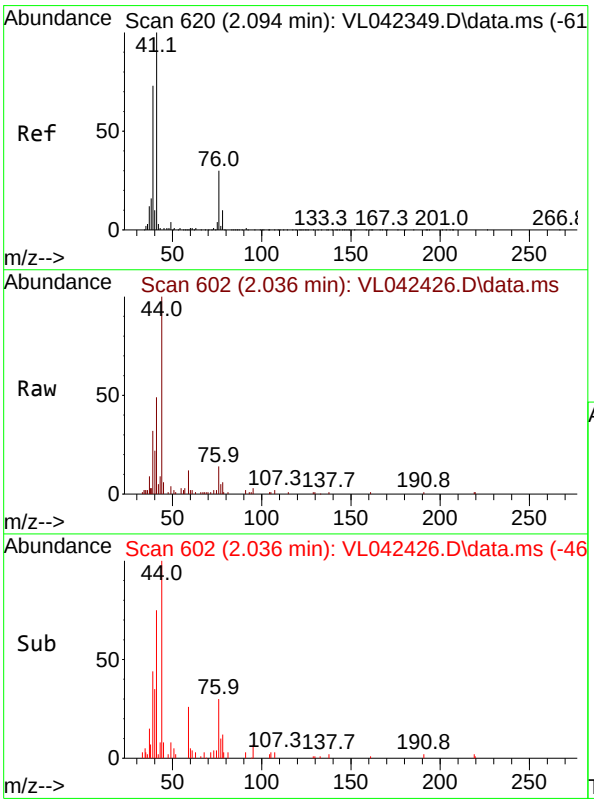
#20
Methylene Chloride
Concen: 0.821 ppbv
RT: 2.059 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 84 Resp: 7130

Ion	Ratio	Lower	Upper
84	100		
49	161.4	111.6	167.4
51	45.1	35.1	52.7
86	59.9	48.9	73.3

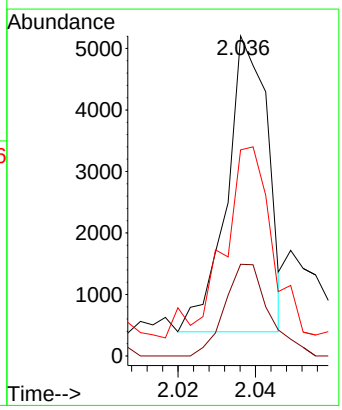


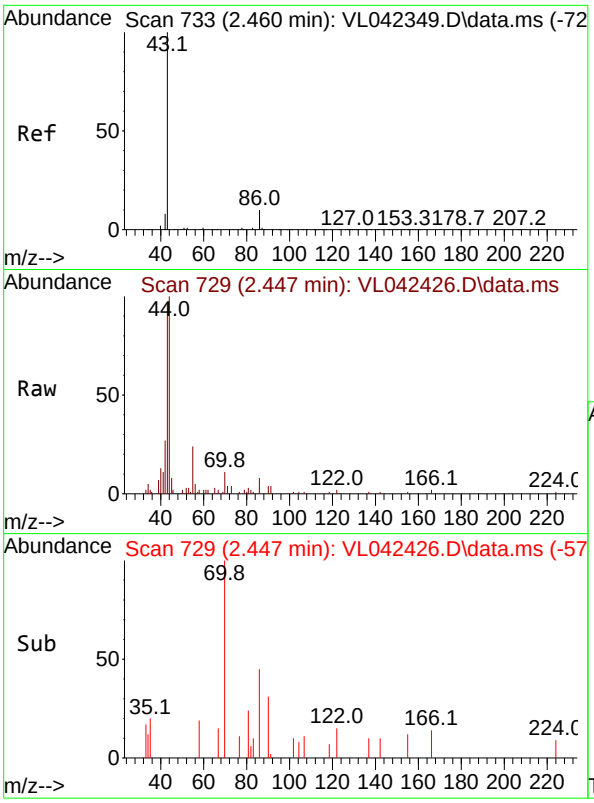


#21
Allyl Chloride
Concen: 0.231 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.058 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 41 Resp: 3546

Ion	Ratio	Lower	Upper
41	100		
76	33.8	24.8	37.2
39	79.1	60.6	90.8



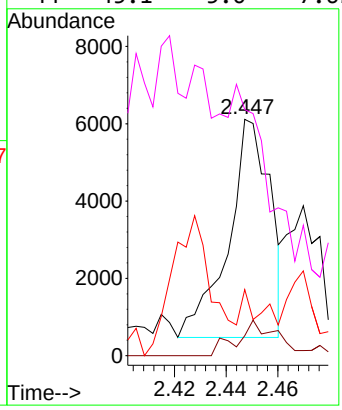


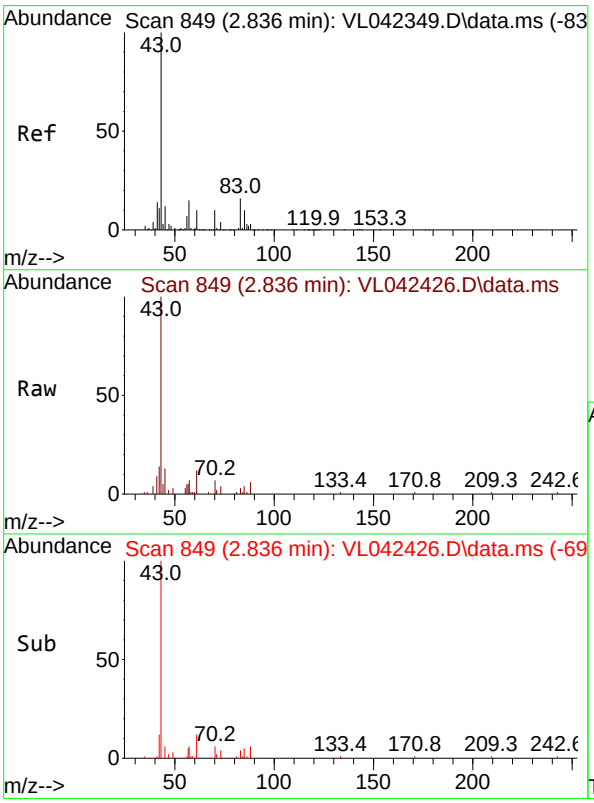
#23
Vinyl Acetate
Concen: 0.706 ppbv
RT: 2.447 min Scan# 7
Delta R.T. -0.013 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 43 Resp: 6340

Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.5	9.7
42	16.3	7.8	11.8#
44	45.1	5.0	7.6#

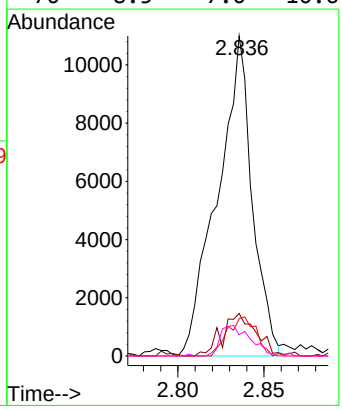


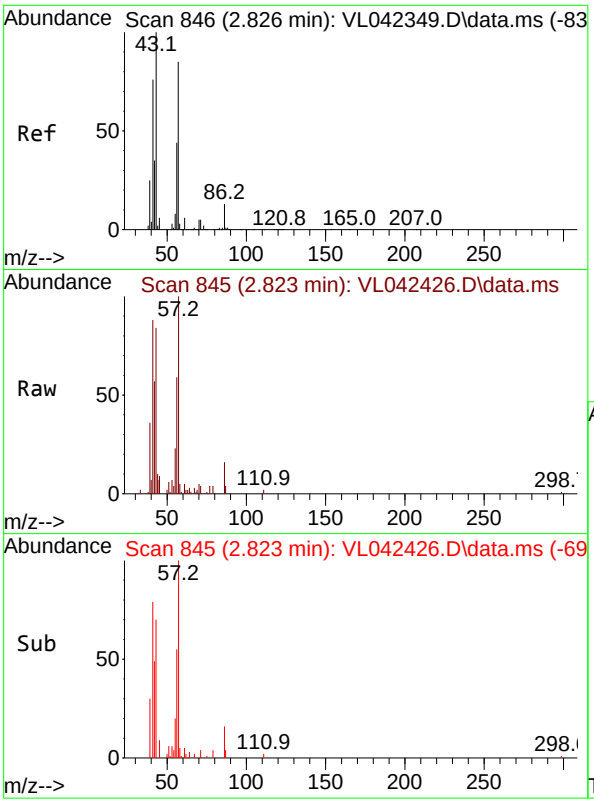


#25
Ethyl Acetate
Concen: 0.281 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 43 Resp: 15358

Ion	Ratio	Lower	Upper
43	100		
45	13.8	8.3	12.5#
61	10.2	7.3	10.9
70	8.5	7.0	10.6



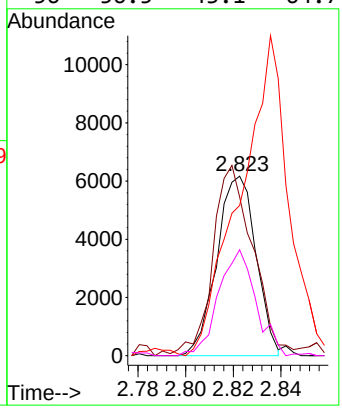


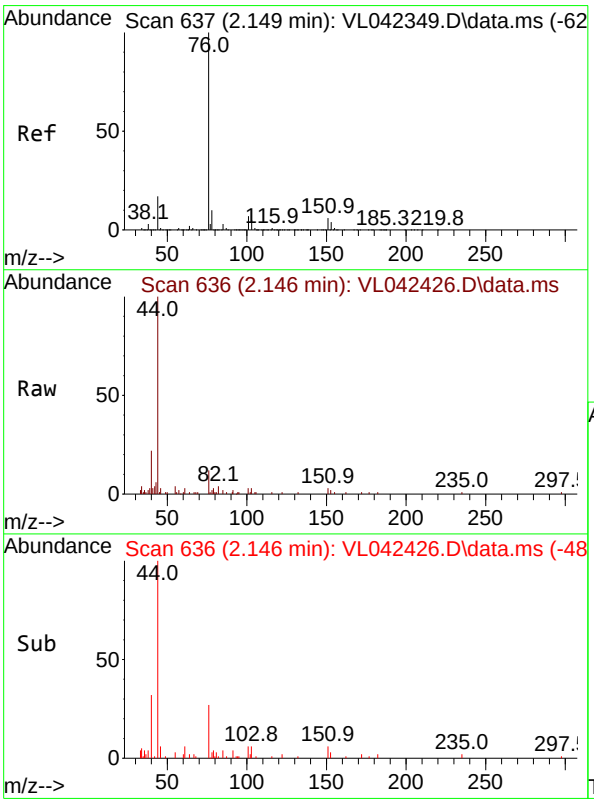
#26
Hexane
Concen: 0.318 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 57 Resp: 7034

Ion	Ratio	Lower	Upper
57	100		
41	112.6	77.9	116.9
43	0.0	208.4	312.6#
56	56.5	43.1	64.7

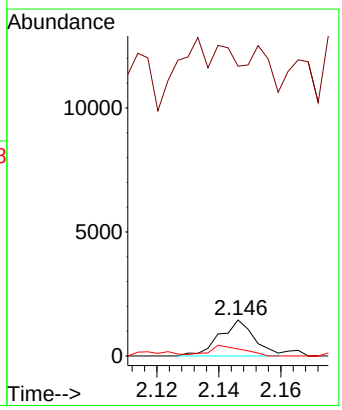


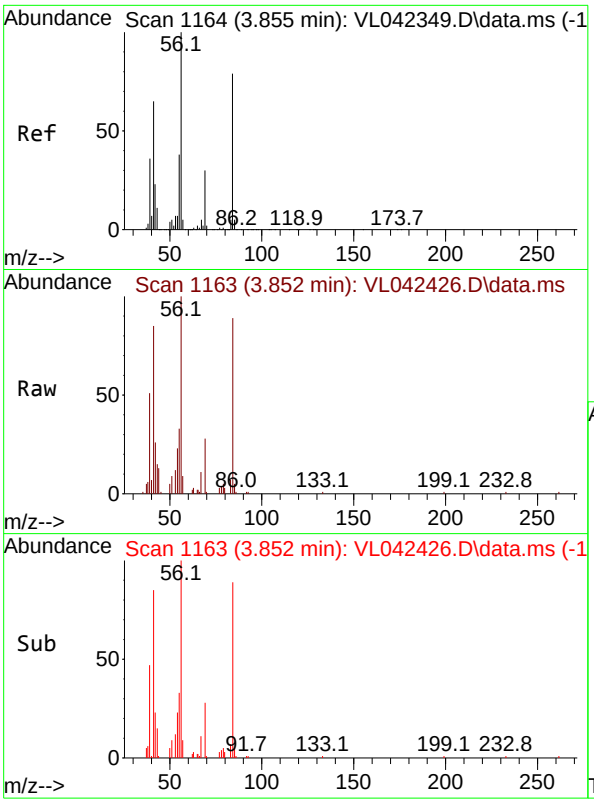


#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 76 Resp: 1123

Ion	Ratio	Lower	Upper
76	100		
44	1799.3	15.5	23.3#
78	40.9	9.3	13.9#



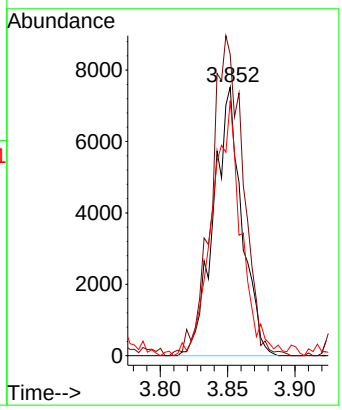


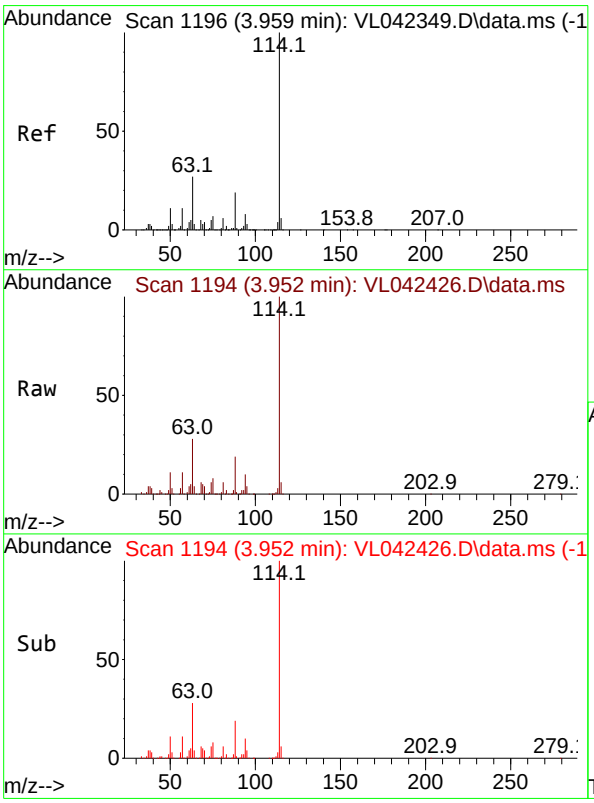
#30
Cyclohexane
Concen: 0.617 ppbv
RT: 3.852 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 84 Resp: 11034

Ion	Ratio	Lower	Upper
84	100		
56	132.7	101.0	151.4
41	101.4	67.4	101.0#

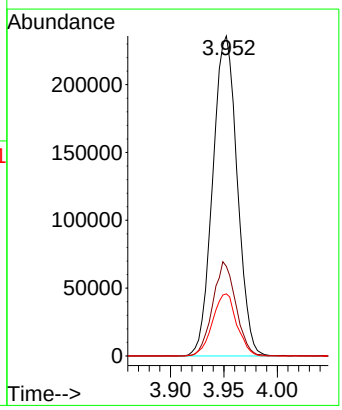


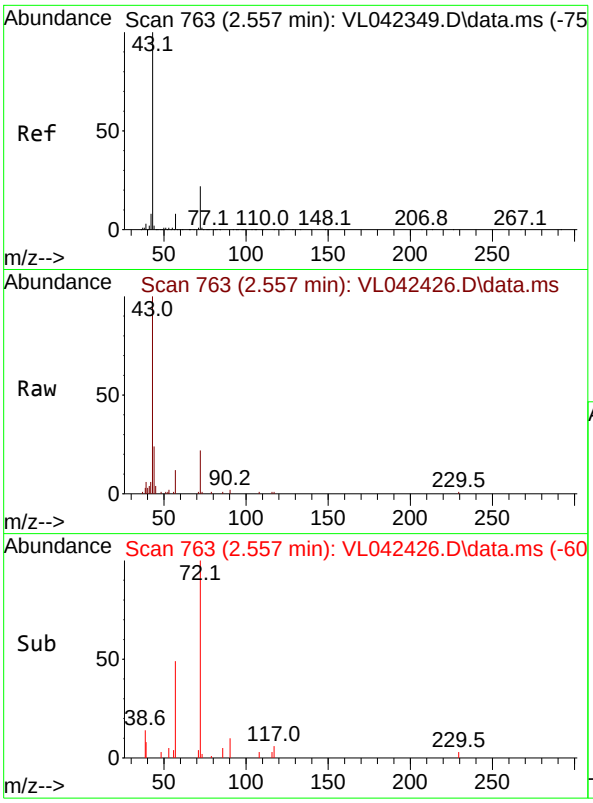


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:114 Resp: 375715

Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.8	32.6
88	19.2	15.5	23.3



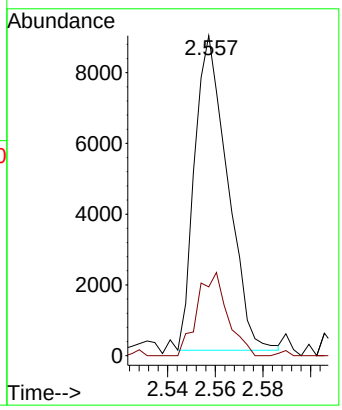


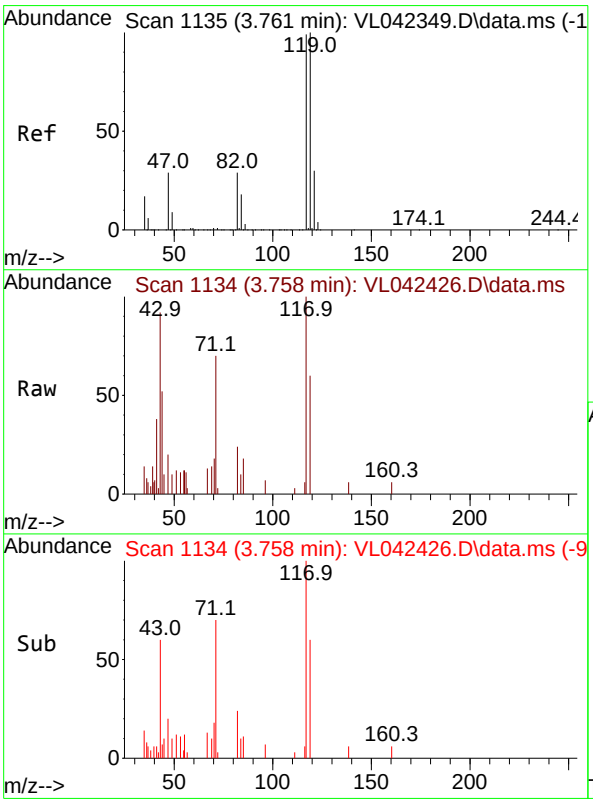
#34
2-Butanone
Concen: 0.288 ppbv
RT: 2.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 43 Resp: 8551

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.2	27.2

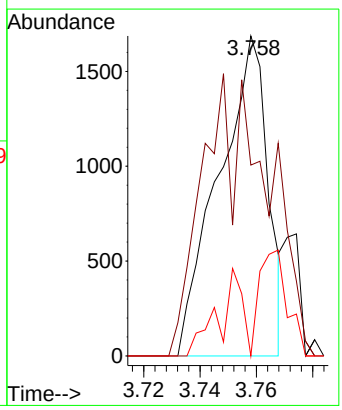


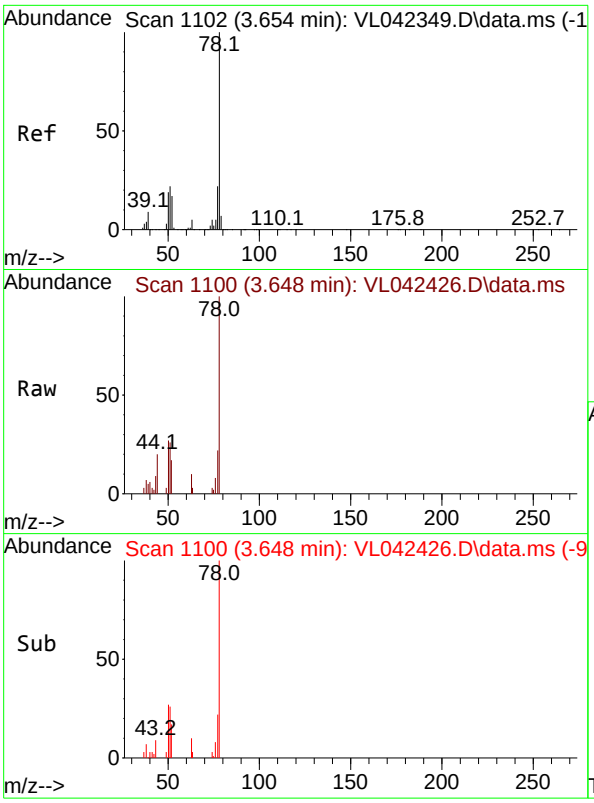


#35
Carbon Tetrachloride
Concen: 0.060 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.003 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:117 Resp: 2037

Ion	Ratio	Lower	Upper
117	100		
119	49.3	80.5	120.7#
121	0.0	24.2	36.2#



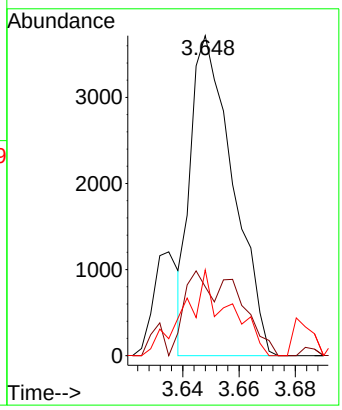


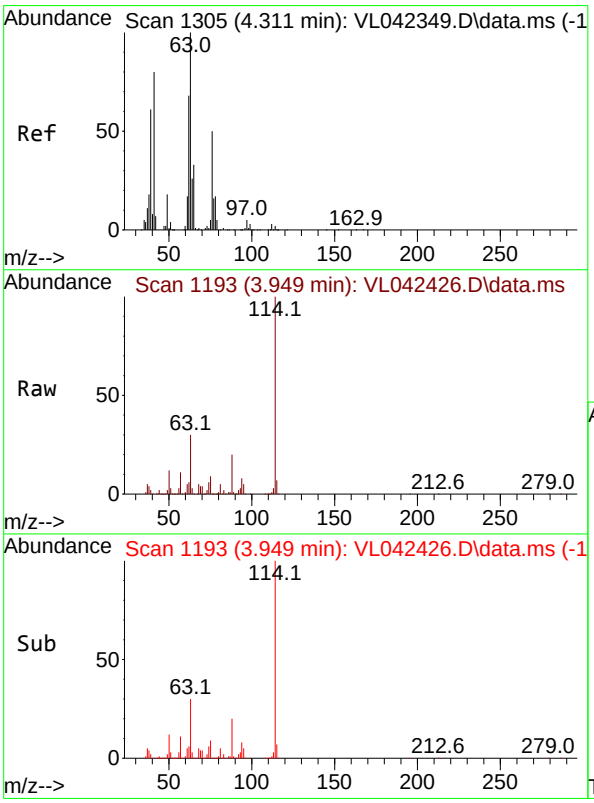
#36
Benzene
Concen: 0.096 ppbv
RT: 3.648 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 78 Resp: 3890

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.4	26.0
50	26.8	15.5	23.3#

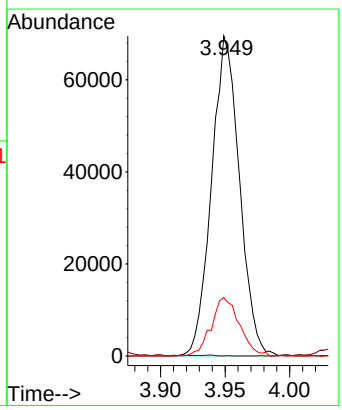


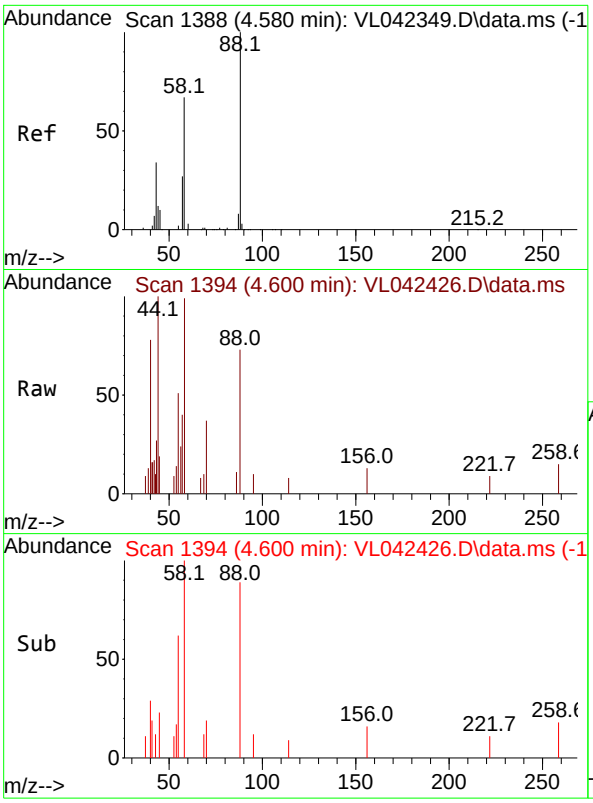


#39
1,2-Dichloropropane
Concen: 6.915 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.362 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 63 Resp: 104432

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	18.2	54.3	81.5#



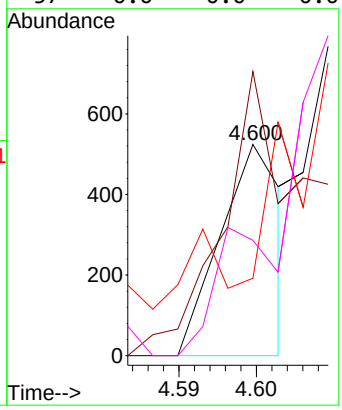


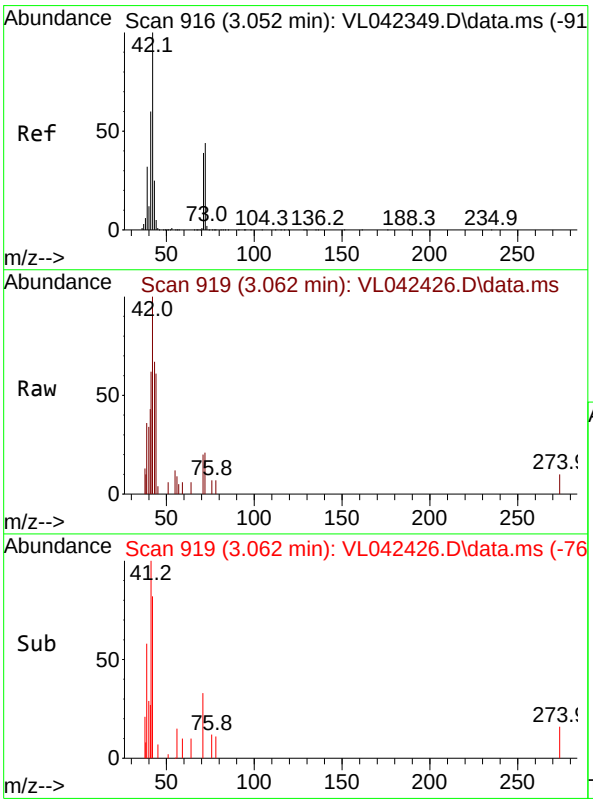
#40
1,4-Dioxane
Concen: 0.034 ppbv
RT: 4.600 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 88 Resp: 286

Ion	Ratio	Lower	Upper
88	100		
58	357.0	61.4	92.0#
43	227.3	23.2	34.8#
57	0.0	0.0	0.0

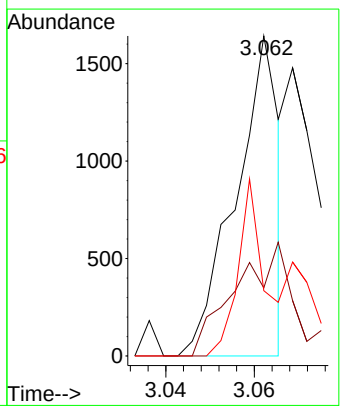


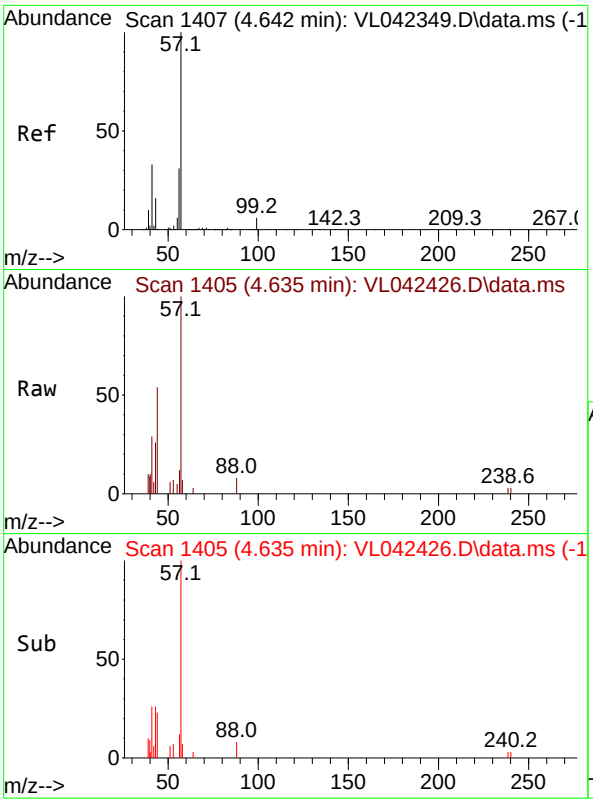


#41
Tetrahydrofuran
Concen: 0.064 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 42 Resp: 1116

Ion	Ratio	Lower	Upper
42	100		
72	49.0	32.3	48.5#
71	56.6	31.4	47.2#



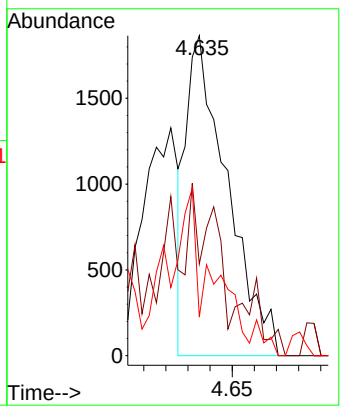


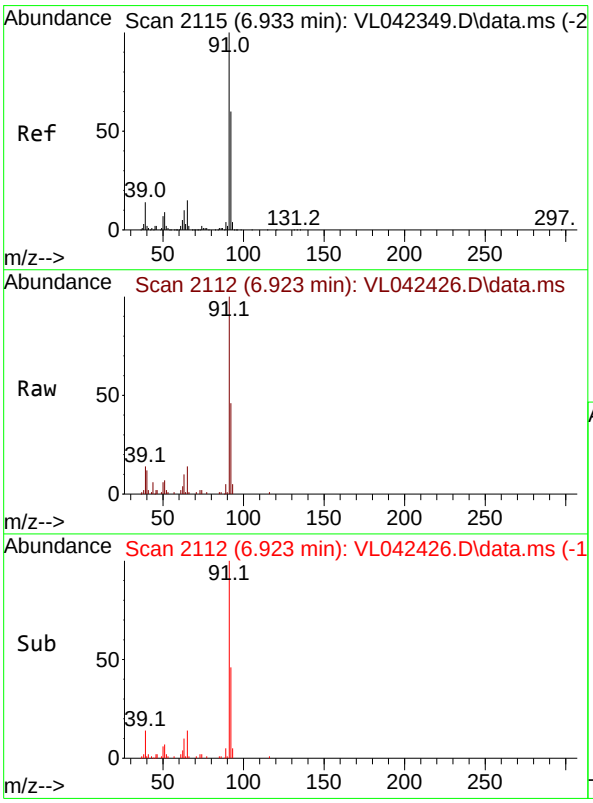
#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 4.635 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 57 Resp: 2408

Ion	Ratio	Lower	Upper
57	100		
41	81.8	27.2	40.8#
56	59.8	25.7	38.5#

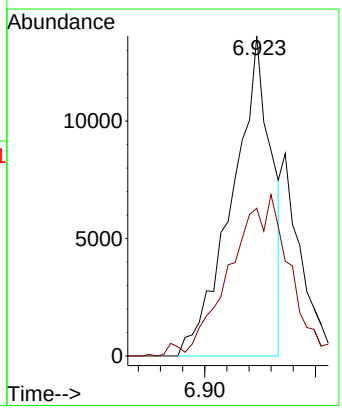


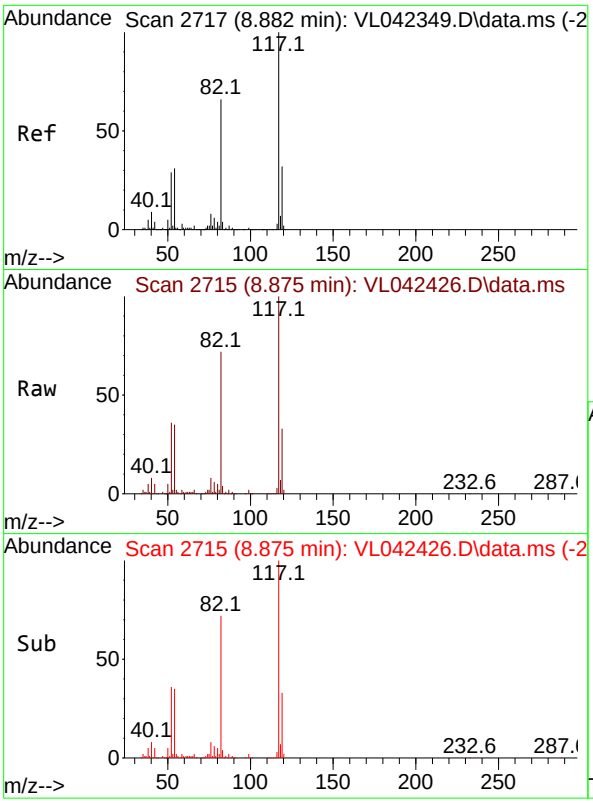


#53
Toluene
Concen: 0.344 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.010 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 91 Resp: 16750

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#



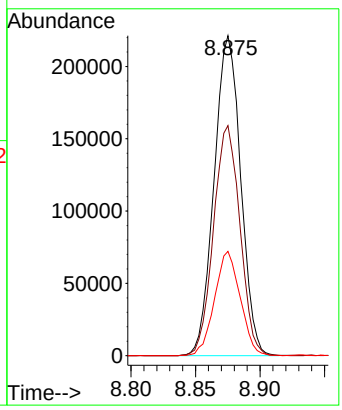


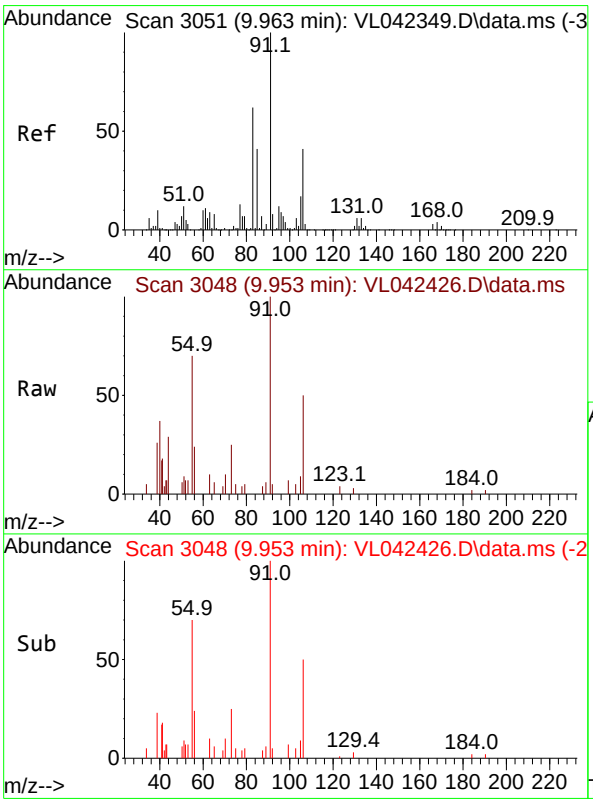
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion:117 Resp: 317341

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.8	86.6
119	31.5	25.2	37.8

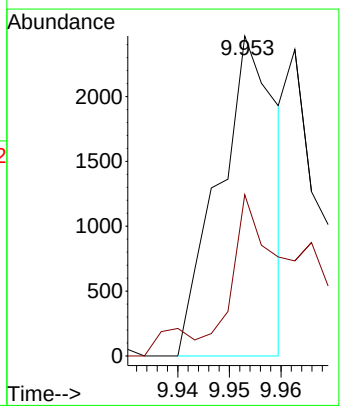


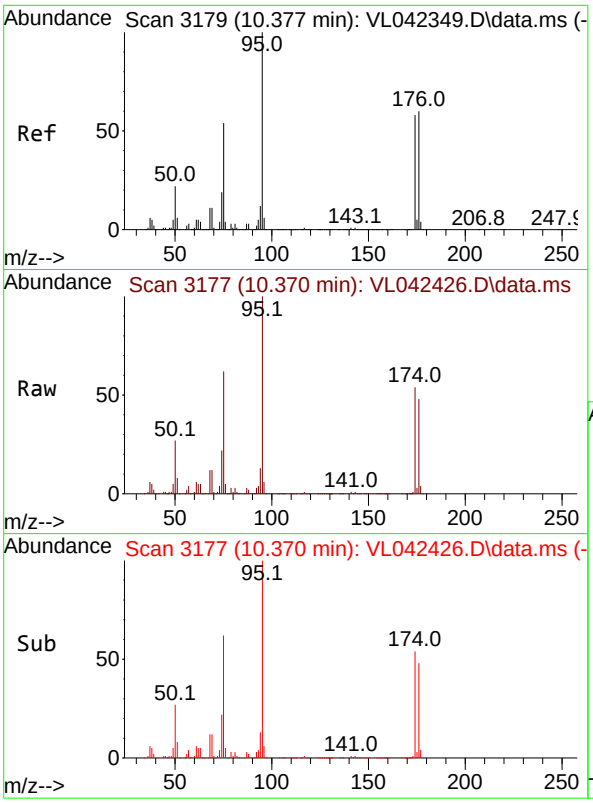


#60
o-Xylene
Concen: 0.037 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.010 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion: 91 Resp: 1907

Ion	Ratio	Lower	Upper
91	100		
106	66.4	21.1	63.4#



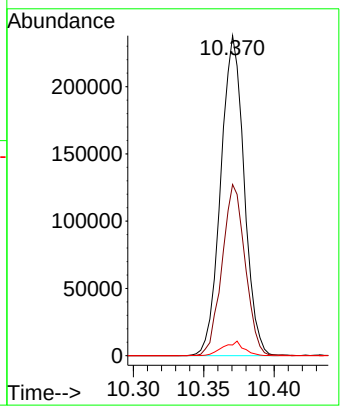


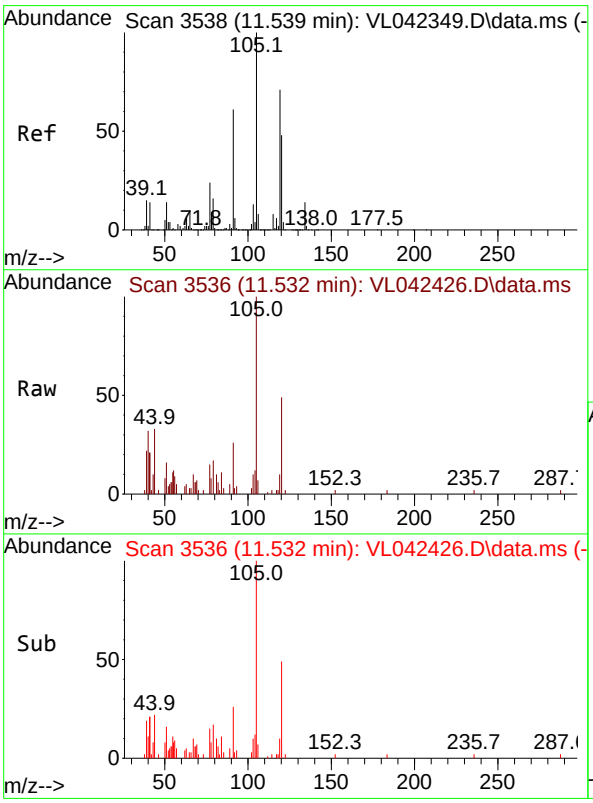
#68
1-Bromo-4-Fluorobenzene
Concen: 10.543 ppbv
RT: 10.370 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SL-IA02-20250423

Tgt Ion: 95 Resp: 274941

Ion	Ratio	Lower	Upper
95	100		
174	53.1	48.5	72.7
175	4.0	3.7	5.5

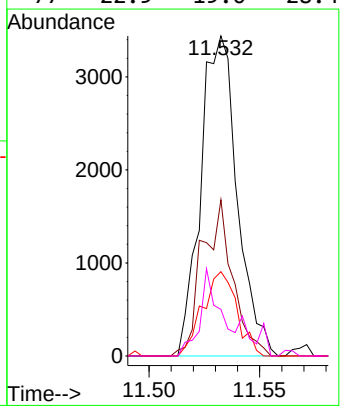




#74
1,2,4-Trimethylbenzene
Concen: 0.061 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042426.D
Acq: 28 Apr 2025 15:08

Tgt Ion:105 Resp: 3954

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.1	57.1
91	29.2	48.8	73.2#
77	22.9	19.0	28.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042427.D
Acq On : 28 Apr 2025 15:42
Operator : SY/MD
Sample : Q1880-03
Misc : 400mL/MSVOA_L
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Quant Time: Apr 29 01:39:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

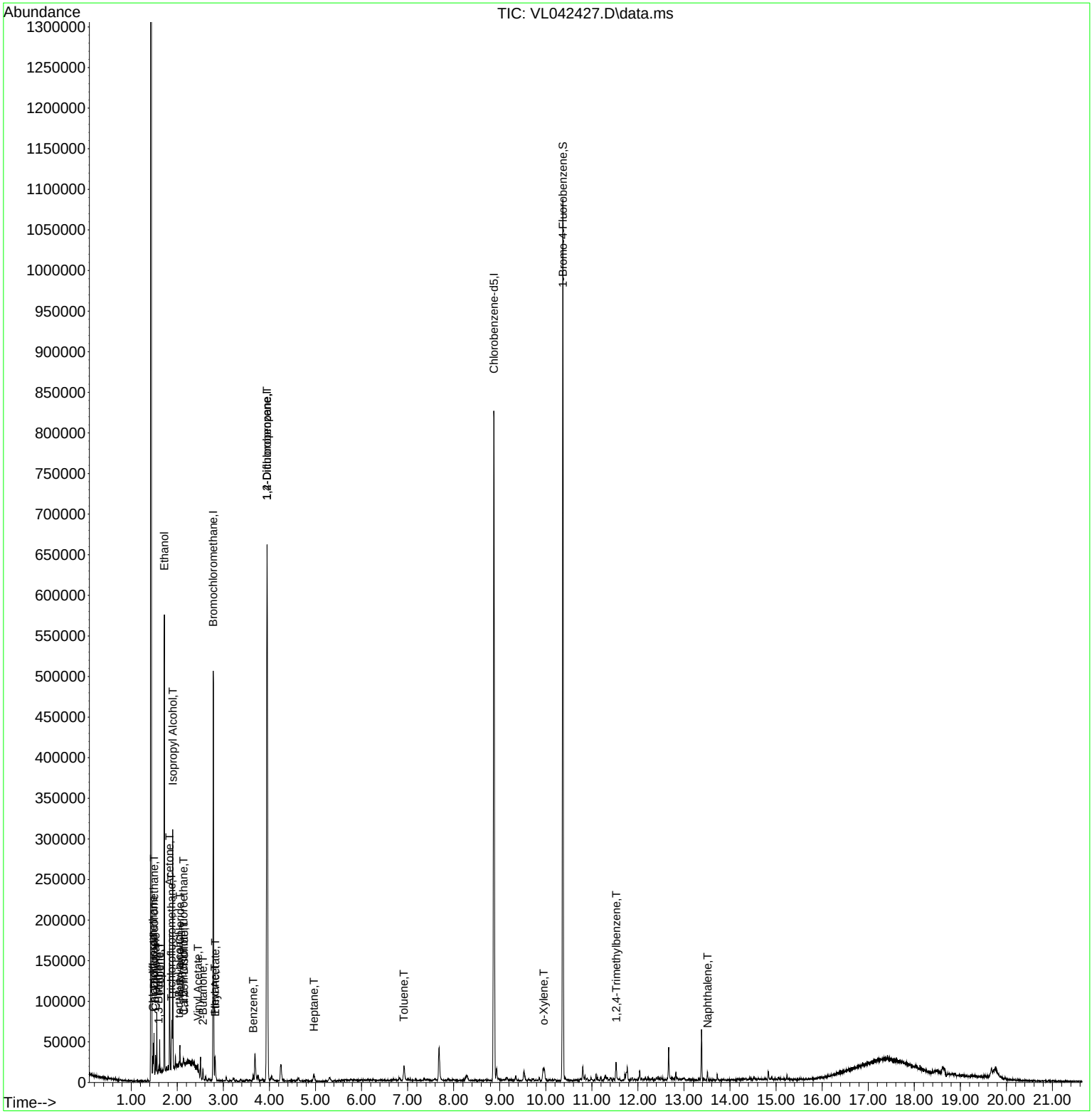
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	130965	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	364997	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	315370	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	268747	10.370	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	11358	0.491	ppbv		91
3) Chlorodifluoromethane	1.473	51	18543	0.842	ppbv	#	79
4) Chloromethane	1.528	50	4924	0.538	ppbv	#	84
9) Propene	1.619	41	3240	0.323	ppbv		94
10) Heptane	4.969	43	1973	0.070	ppbv	#	61
11) Trichlorofluoromethane	1.874	101	6480	0.294	ppbv		89
12) 1,1,2-Trichlorotrifluo...	2.133	101	750	0.042	ppbv	#	5
13) Ethanol	1.719	45	192490	120.690	ppbv		76
15) Acetone	1.832	43	74168	3.459	ppbv		97
16) 1,3-Butadiene	1.596	39	1187	0.116	ppbv	#	46
17) tert-Butyl alcohol	2.039	59	2195	0.083	ppbv	#	61
19) Isopropyl Alcohol	1.900	45	22820	1.916	ppbv	#	33
20) Methylene Chloride	2.059	84	3423	0.408	ppbv	#	87
23) Vinyl Acetate	2.450	43	7160	0.825	ppbv	#	76
25) Ethyl Acetate	2.826	43	7204	0.136	ppbv	#	91
26) Hexane	2.816	57	6844	0.320	ppbv	#	42
27) Carbon Disulfide	2.146	76	789	0.034	ppbv	#	1
34) 2-Butanone	2.557	43	9033	0.313	ppbv		96
36) Benzene	3.648	78	2344	0.060	ppbv	#	93
39) 1,2-Dichloropropane	3.949	63	101903	6.946	ppbv	#	21
53) Toluene	6.920	91	9391	0.199	ppbv		91
60) o-Xylene	9.956	91	2969	0.059	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	3903	0.061	ppbv	#	72
79) Naphthalene	13.513	128	4122	0.054	ppbv	#	81

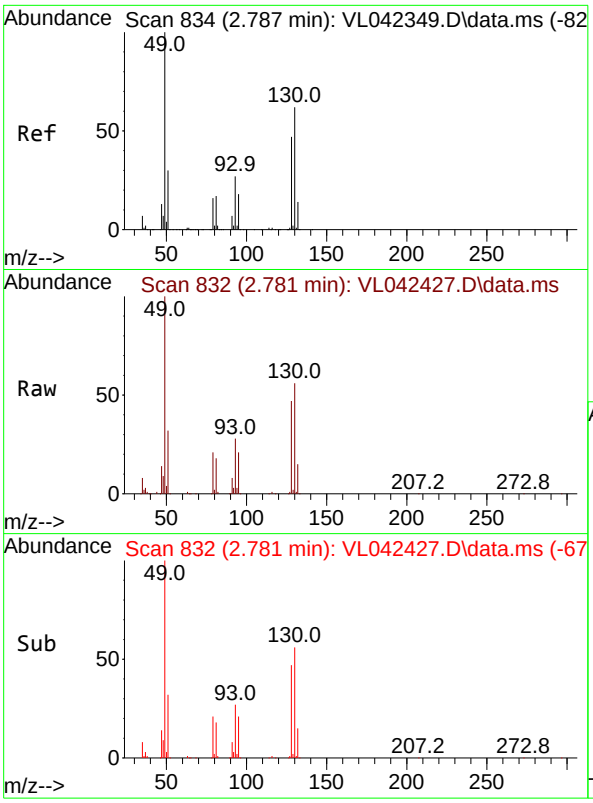
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042427.D
Acq On : 28 Apr 2025 15:42
Operator : SY/MD
Sample : Q1880-03
Misc : 400mL/MSVOA_L
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Quant Time: Apr 29 01:39:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



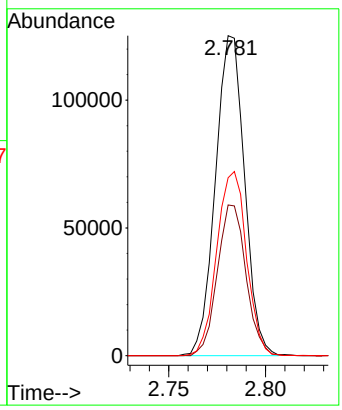


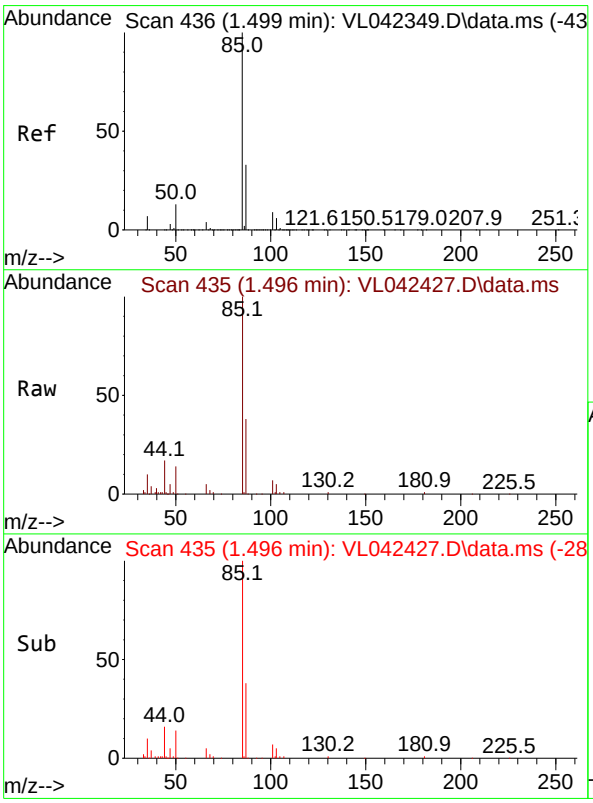
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 49 Resp: 130965

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.8	68.4
130	58.8	29.3	88.0

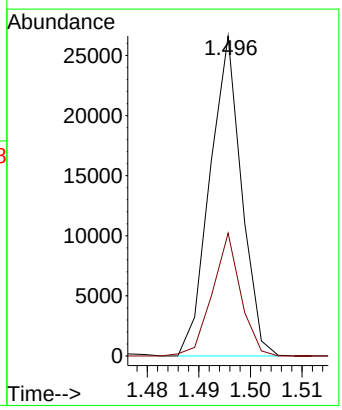


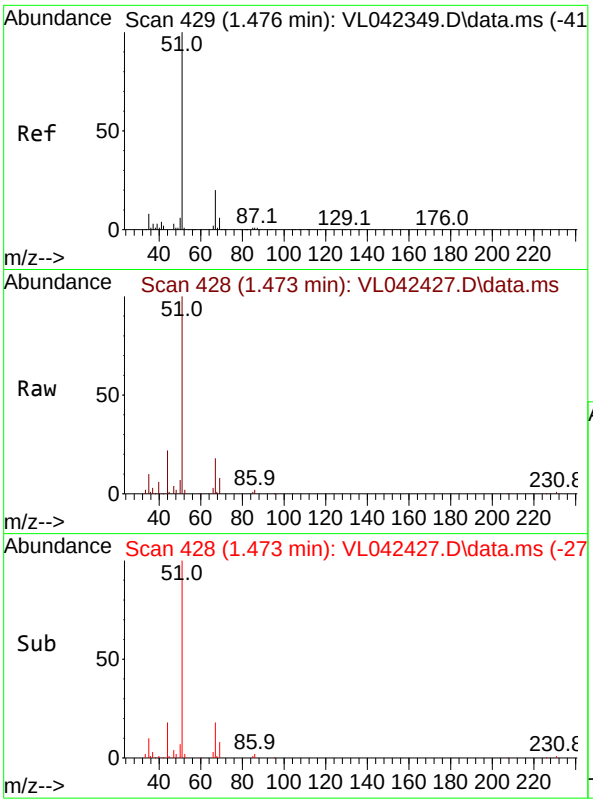


#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 85 Resp: 11358

Ion	Ratio	Lower	Upper
85	100		
87	38.4	26.6	39.8



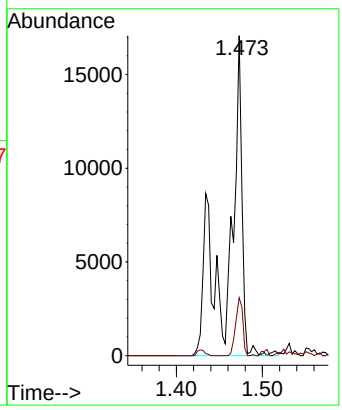


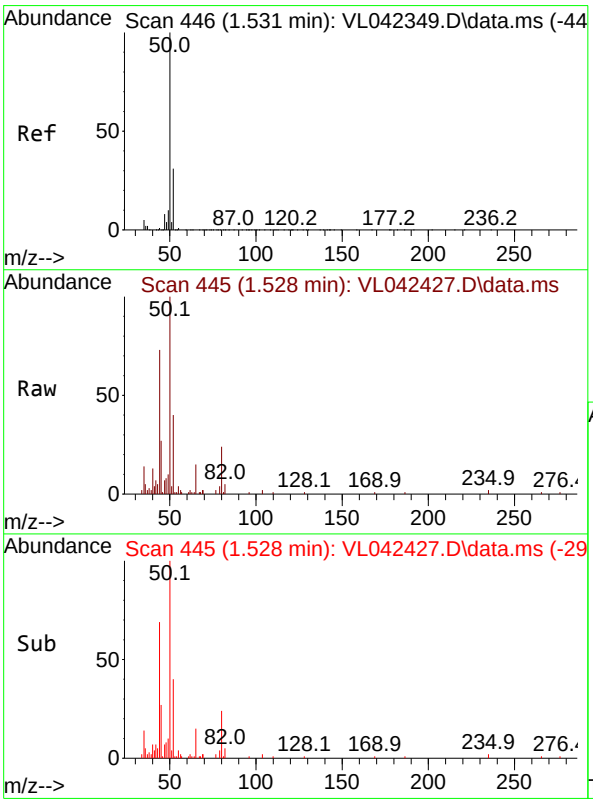
#3
Chlorodifluoromethane
Concen: 0.842 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 51 Resp: 18543

Ion	Ratio	Lower	Upper
51	100		
67	10.4	16.2	24.4#

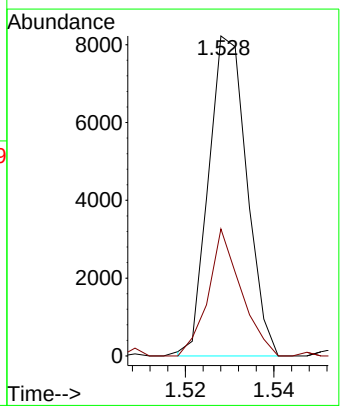


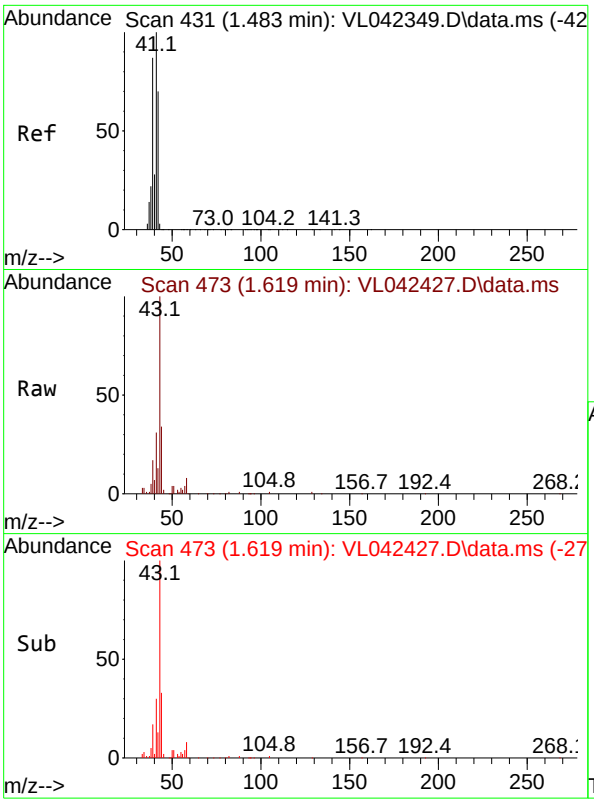


#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 50 Resp: 4924

Ion	Ratio	Lower	Upper
50	100		
52	39.7	24.7	37.1#



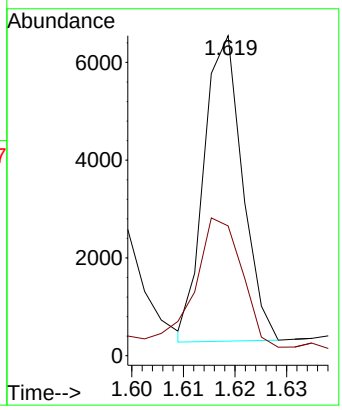


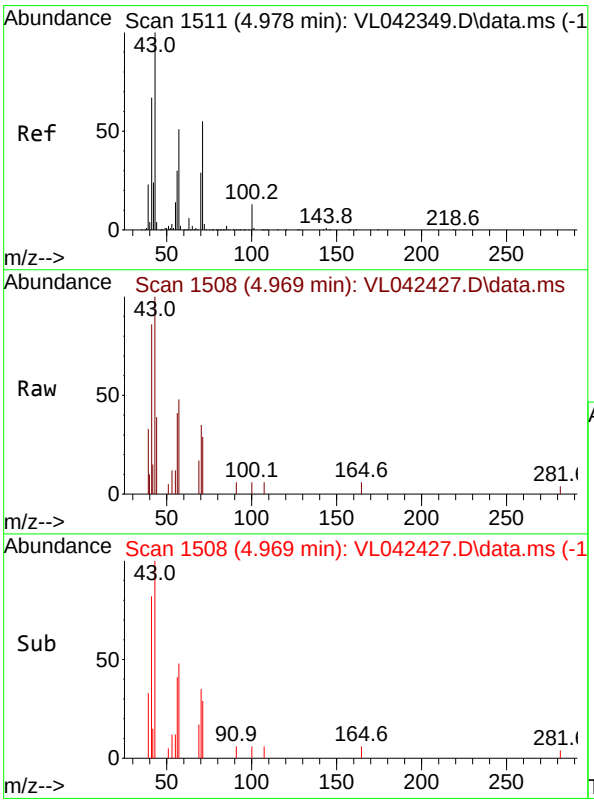
#9
Propene
Concen: 0.323 ppbv
RT: 1.619 min Scan# 4
Delta R.T. 0.136 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 41 Resp: 3240

Ion	Ratio	Lower	Upper
41	100		
42	75.1	56.2	84.4

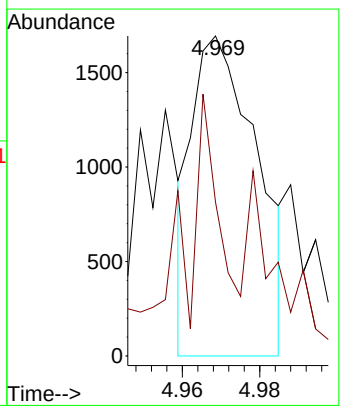


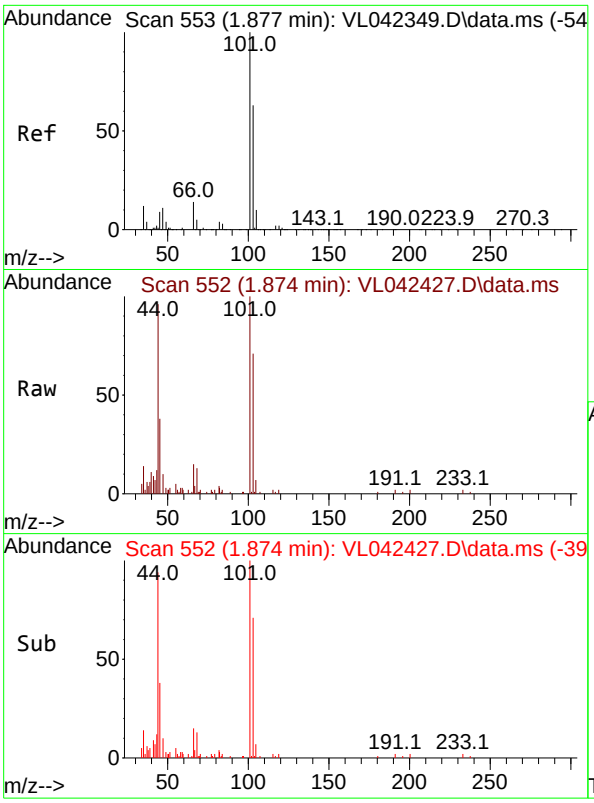


#10
Heptane
Concen: 0.070 ppbv
RT: 4.969 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 1973

Ion	Ratio	Lower	Upper
43	100		
57	76.9	39.9	59.9#



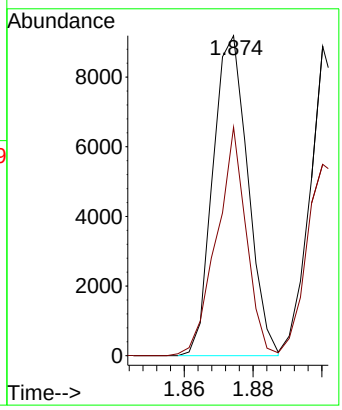


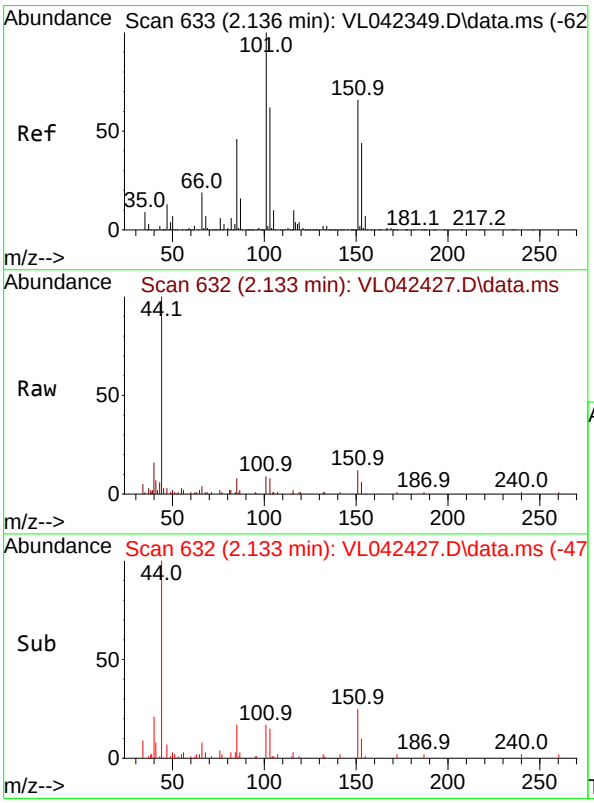
#11
Trichlorofluoromethane
Concen: 0.294 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion:101 Resp: 6480

Ion	Ratio	Lower	Upper
101	100		
103	70.8	50.1	75.1

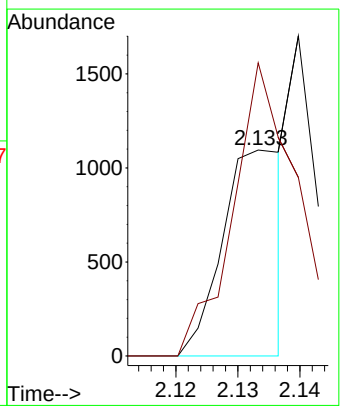


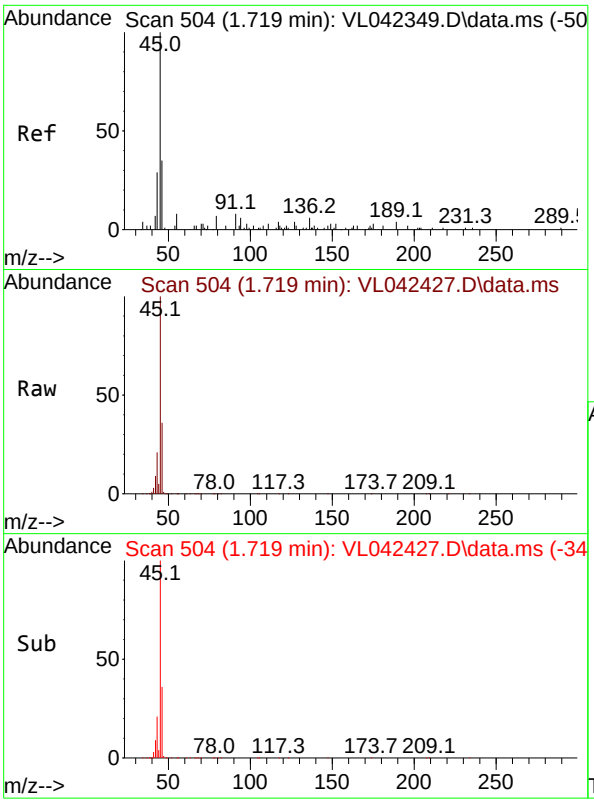


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.042 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:101 Resp: 750

Ion	Ratio	Lower	Upper
101	100		
151	150.3	57.0	85.6#



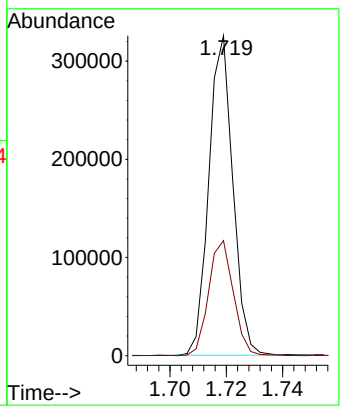


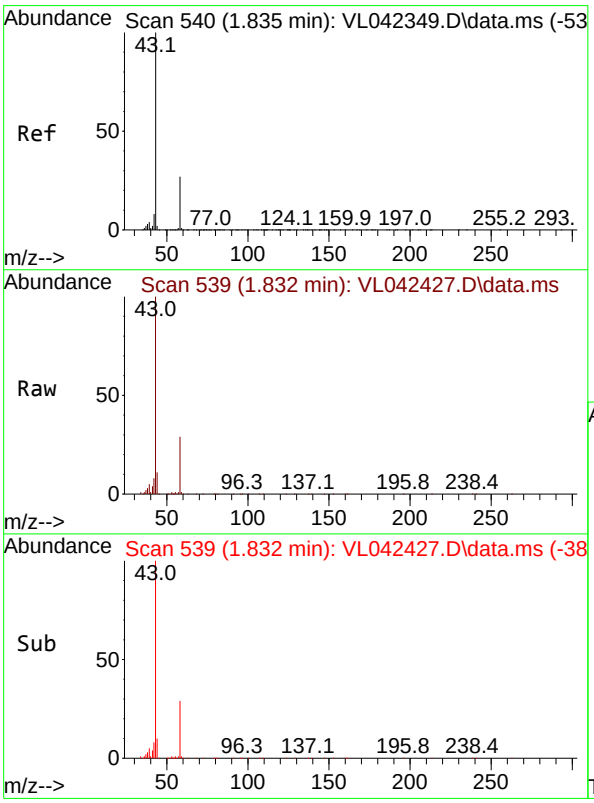
#13
Ethanol
Concen: 120.690 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 45 Resp: 192490

Ion	Ratio	Lower	Upper
45	100		
46	37.7	21.9	87.7

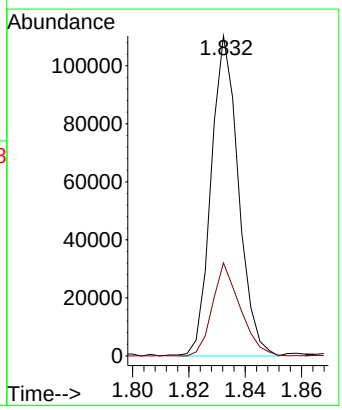


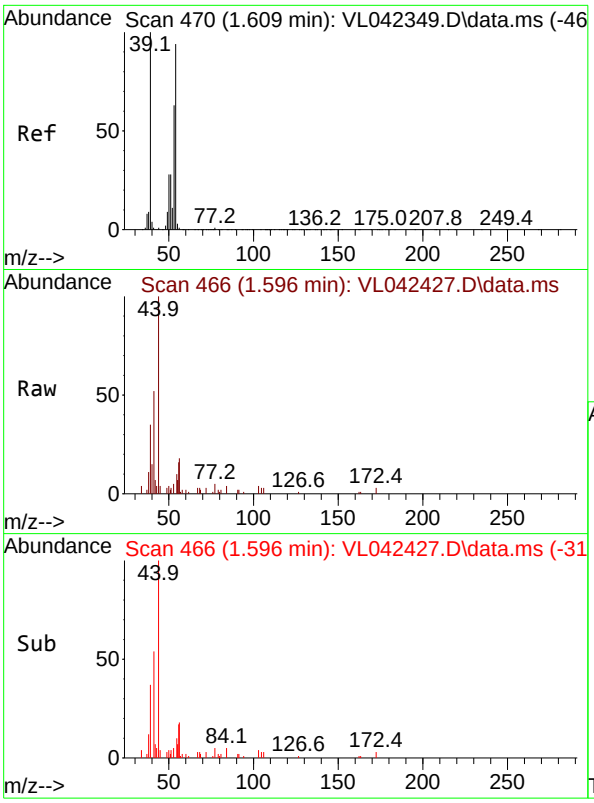


#15
Acetone
Concen: 3.459 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 74168

Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.4	33.6



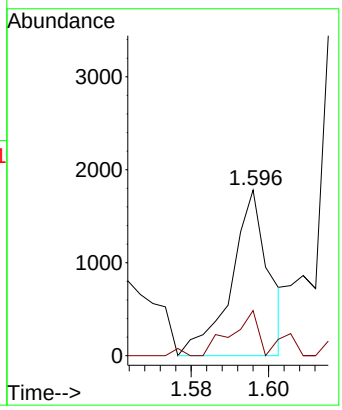


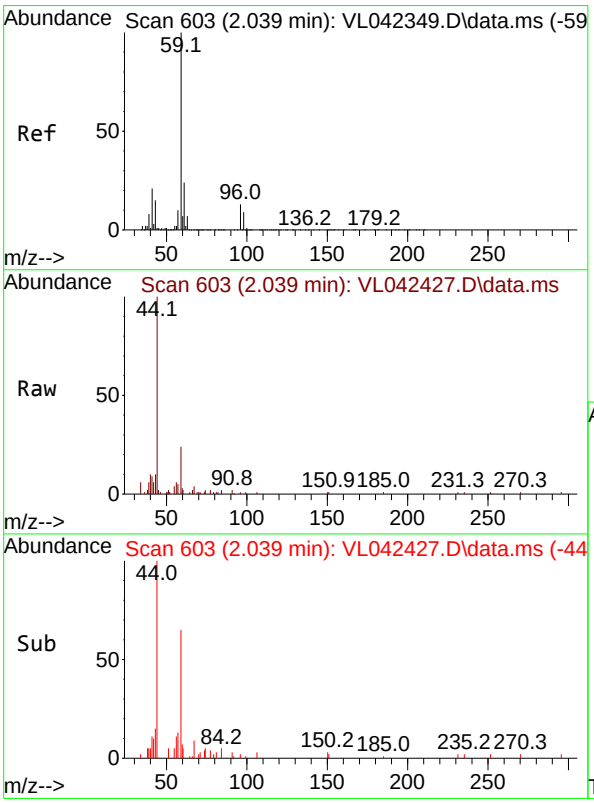
#16
1,3-Butadiene
Concen: 0.116 ppbv
RT: 1.596 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 39 Resp: 1187

Ion	Ratio	Lower	Upper
39	100		
54	33.0	64.9	97.3#

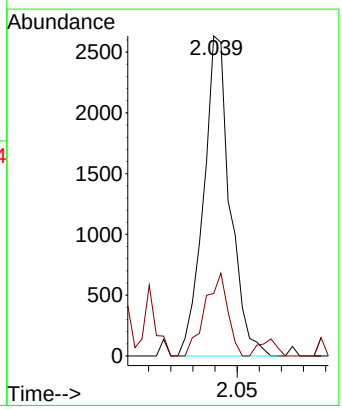


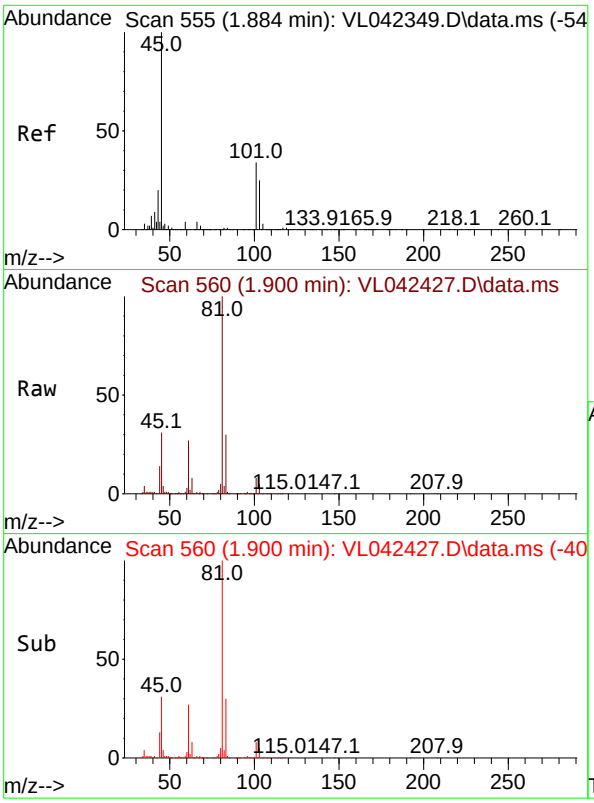


#17
tert-Butyl alcohol
Concen: 0.083 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 59 Resp: 2195

Ion	Ratio	Lower	Upper
59	100		
57	25.6	8.7	13.1#



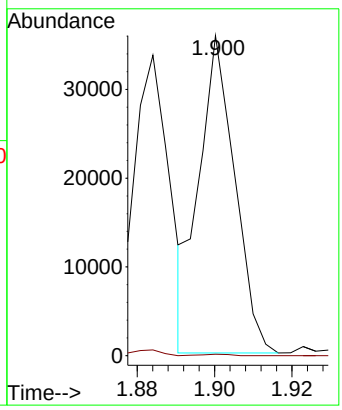


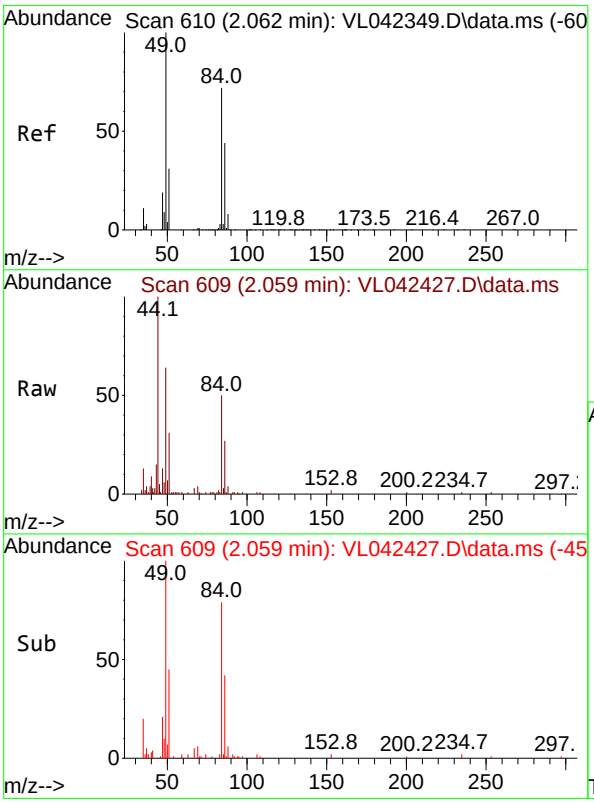
#19
Isopropyl Alcohol
Concen: 1.916 ppbv
RT: 1.900 min Scan# 5
Delta R.T. 0.016 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 45 Resp: 22820

Ion	Ratio	Lower	Upper
45	100		
58	0.0	34.5	51.7#

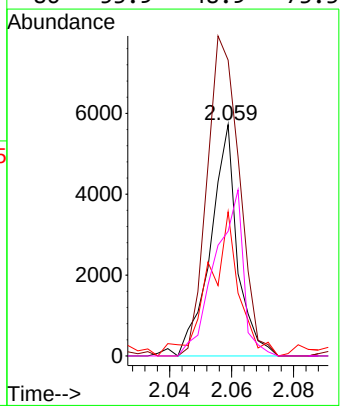


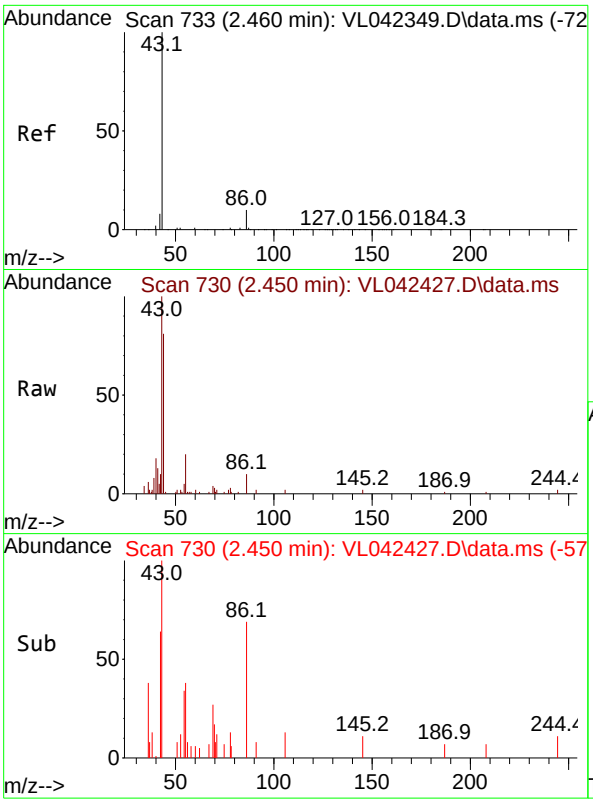


#20
Methylene Chloride
Concen: 0.408 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 84 Resp: 3423

Ion	Ratio	Lower	Upper
84	100		
49	127.9	111.6	167.4
51	62.3	35.1	52.7#
86	53.9	48.9	73.3



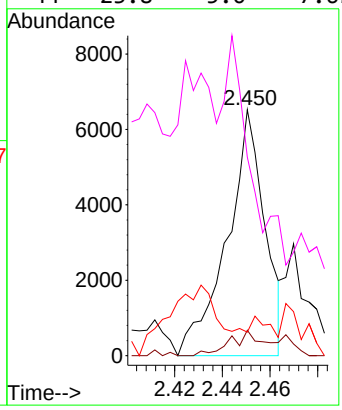


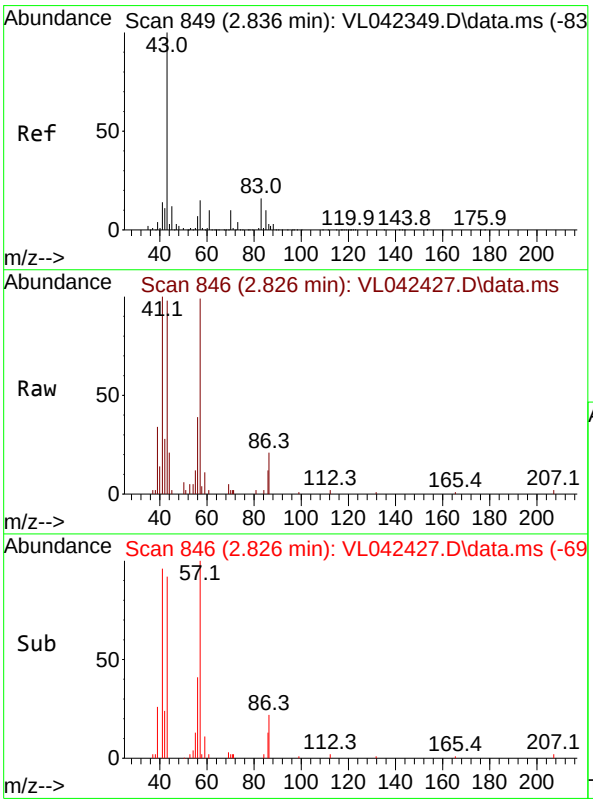
#23
Vinyl Acetate
Concen: 0.825 ppbv
RT: 2.450 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 43 Resp: 7160

Ion	Ratio	Lower	Upper
43	100		
86	10.3	6.5	9.7#
42	2.1	7.8	11.8#
44	23.8	5.0	7.6#

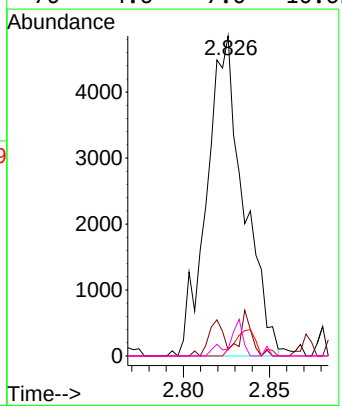


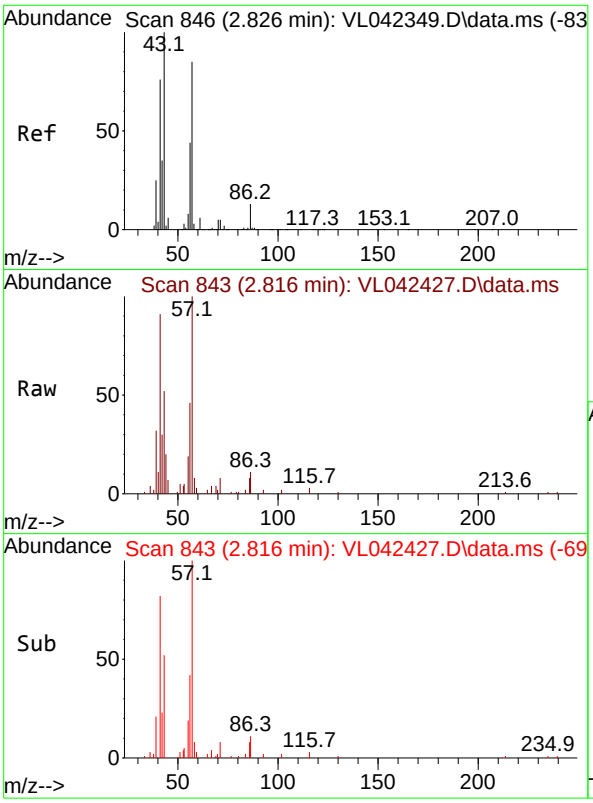


#25
Ethyl Acetate
Concen: 0.136 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 7204

Ion	Ratio	Lower	Upper
43	100		
45	8.9	8.3	12.5
61	4.8	7.3	10.9#
70	4.6	7.0	10.6#



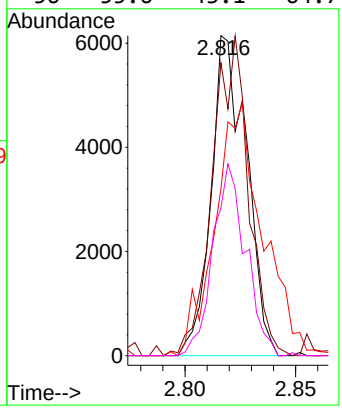


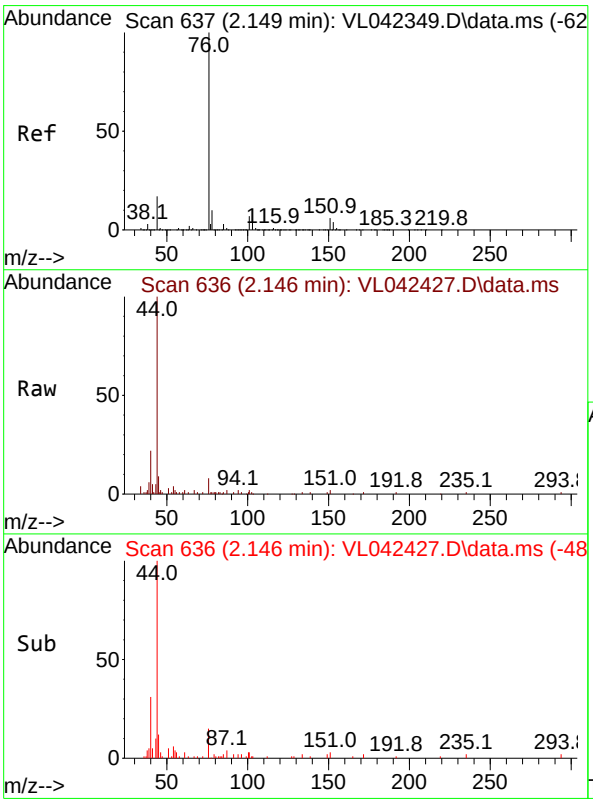
#26
Hexane
Concen: 0.320 ppbv
RT: 2.816 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 57 Resp: 6844

Ion	Ratio	Lower	Upper
57	100		
41	109.6	77.9	116.9
43	106.7	208.4	312.6#
56	55.6	43.1	64.7

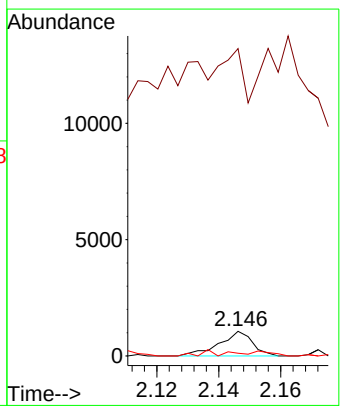


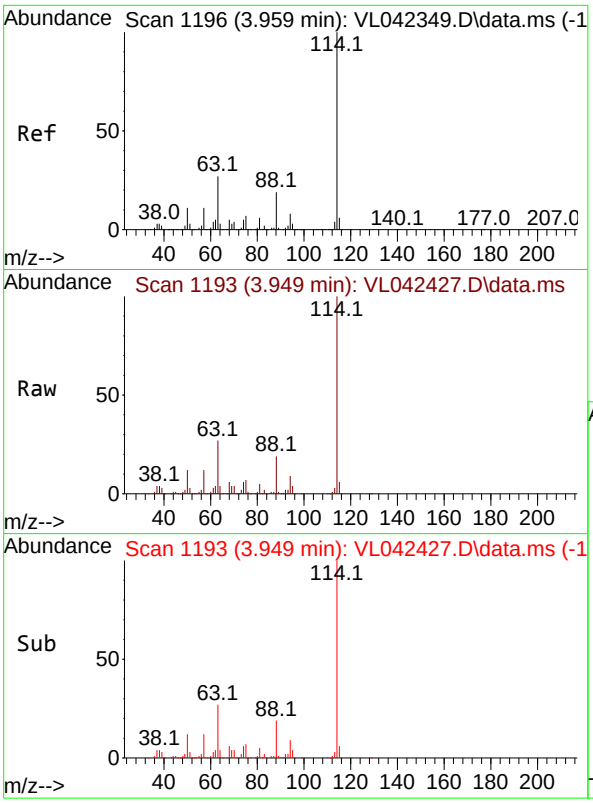


#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 76 Resp: 789

Ion	Ratio	Lower	Upper
76	100		
44	2565.4	15.5	23.3#
78	21.5	9.3	13.9#



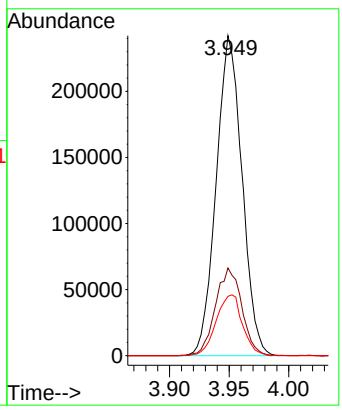


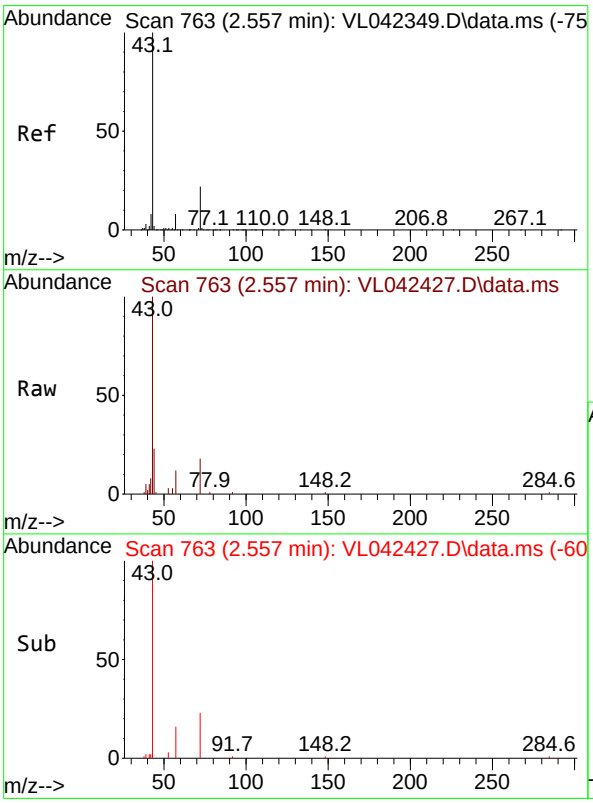
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion:114 Resp: 364997

Ion	Ratio	Lower	Upper
114	100		
63	28.0	21.8	32.6
88	19.3	15.5	23.3

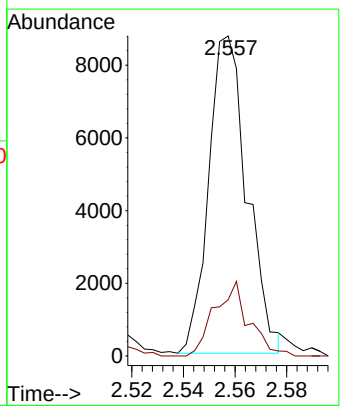


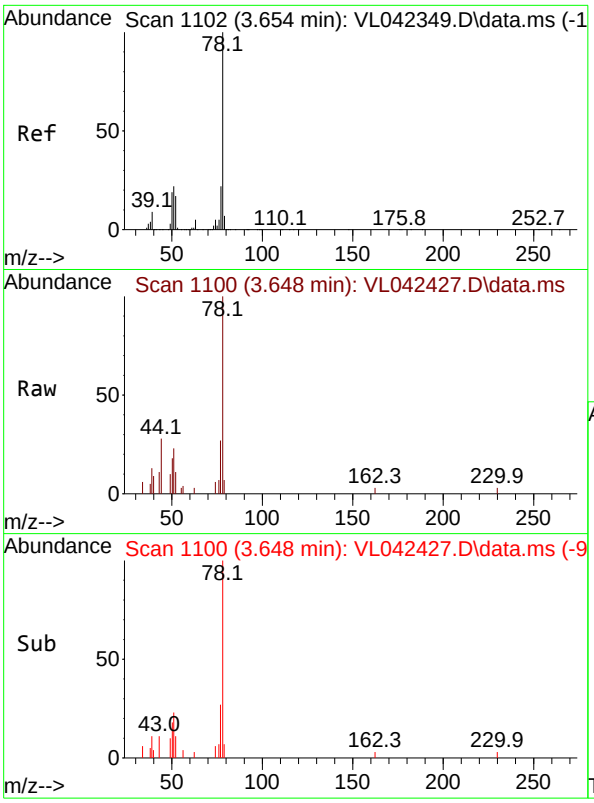


#34
2-Butanone
Concen: 0.313 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 9033

Ion	Ratio	Lower	Upper
43	100		
72	21.0	18.2	27.2



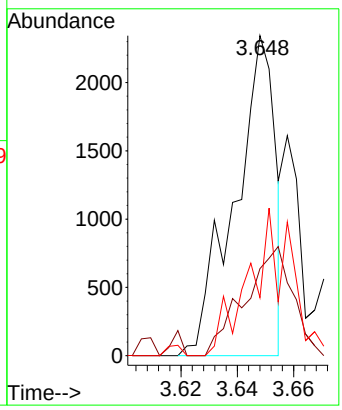


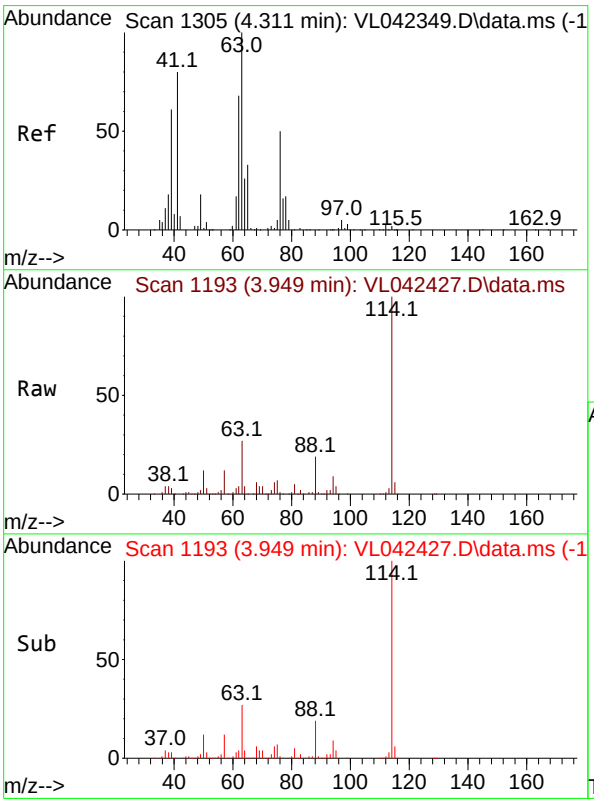
#36
Benzene
Concen: 0.060 ppbv
RT: 3.648 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 78 Resp: 2344

Ion	Ratio	Lower	Upper
78	100		
77	19.4	17.4	26.0
50	14.9	15.5	23.3#

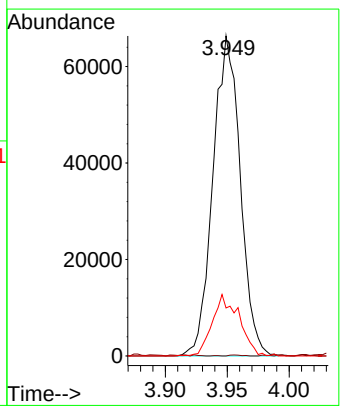


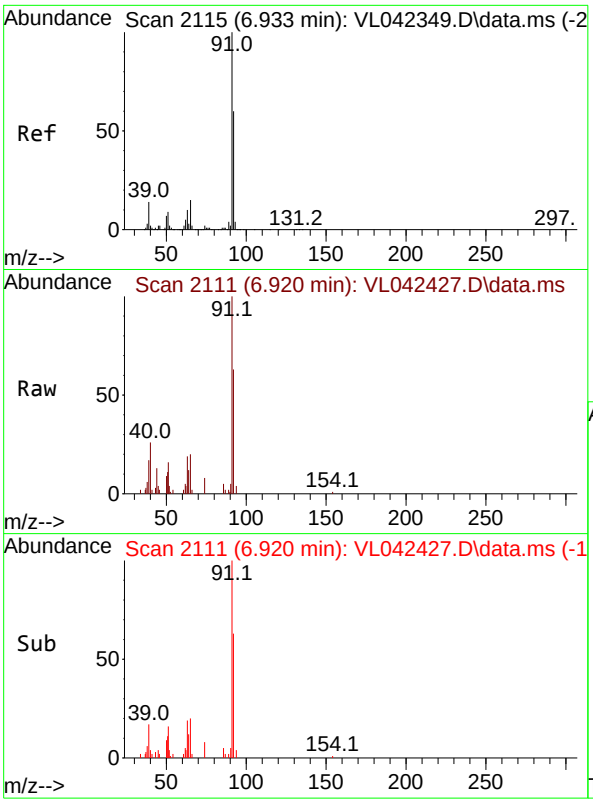


#39
1,2-Dichloropropane
Concen: 6.946 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.362 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 63 Resp: 101903

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	14.8	54.3	81.5#



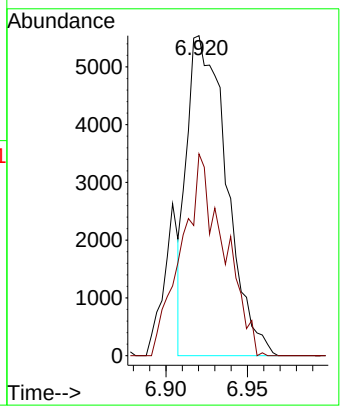


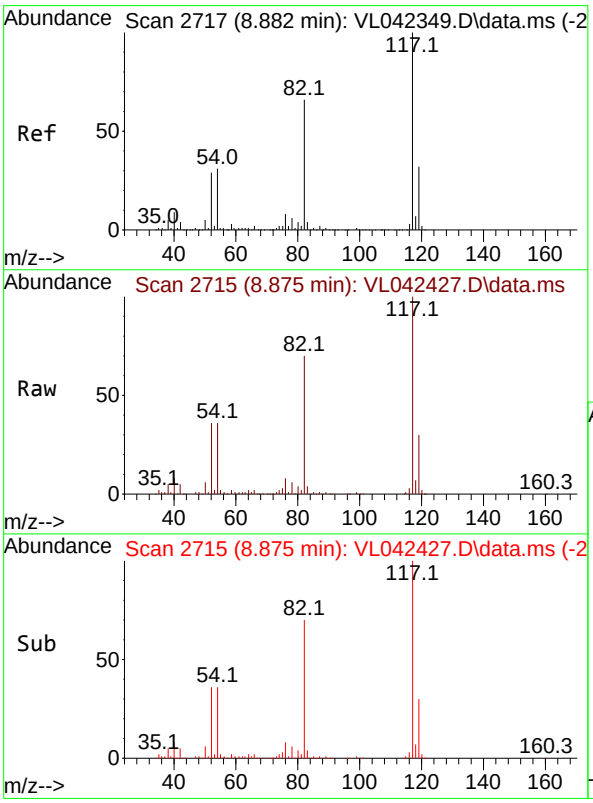
#53
Toluene
Concen: 0.199 ppbv
RT: 6.920 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 91 Resp: 9391

Ion	Ratio	Lower	Upper
91	100		
92	67.0	48.2	72.4

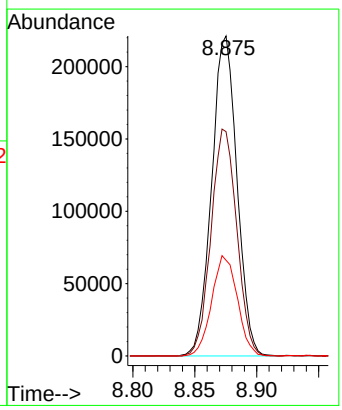


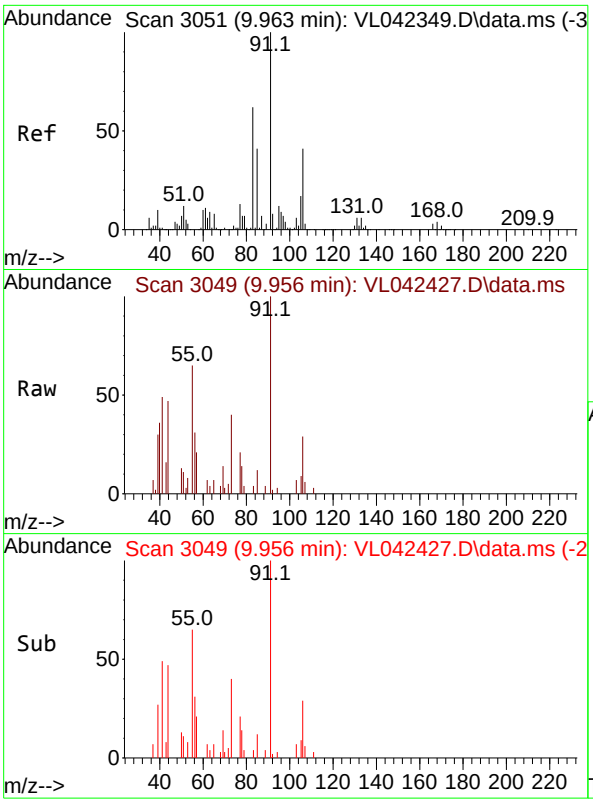


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:117 Resp: 315370

Ion	Ratio	Lower	Upper
117	100		
82	72.0	57.8	86.6
119	31.8	25.2	37.8



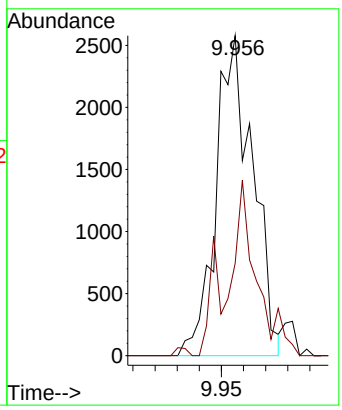


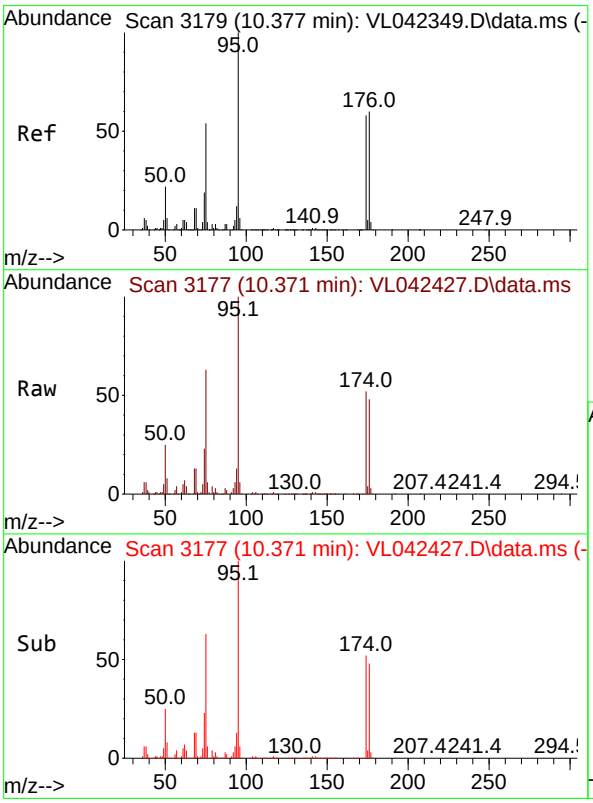
#60
o-Xylene
Concen: 0.059 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion: 91 Resp: 2969

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.1	63.4

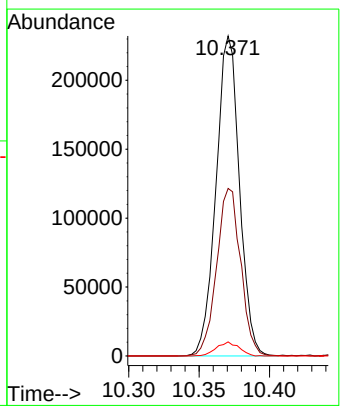


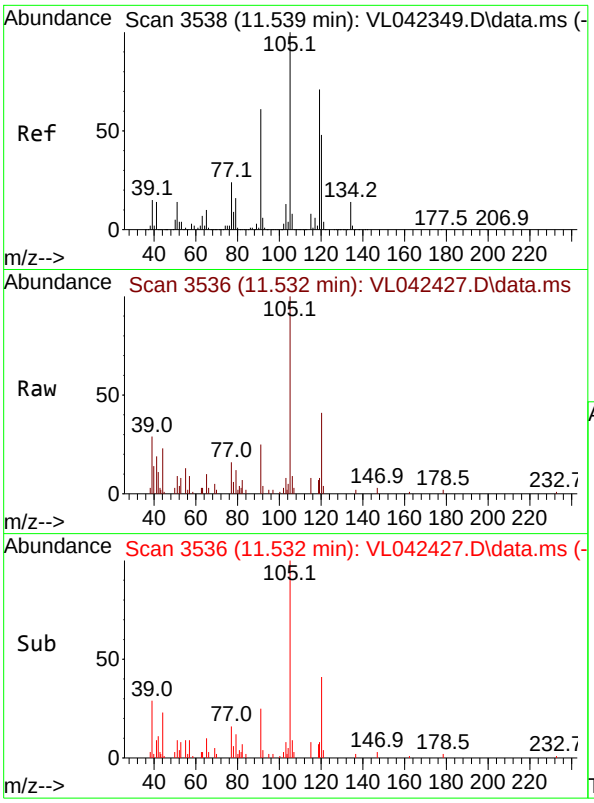


#68
1-Bromo-4-Fluorobenzene
Concen: 10.370 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 95 Resp: 268747

Ion	Ratio	Lower	Upper
95	100		
174	53.6	48.5	72.7
175	4.2	3.7	5.5



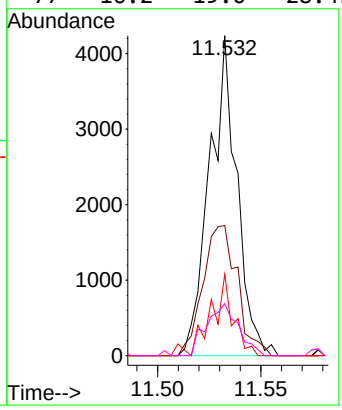


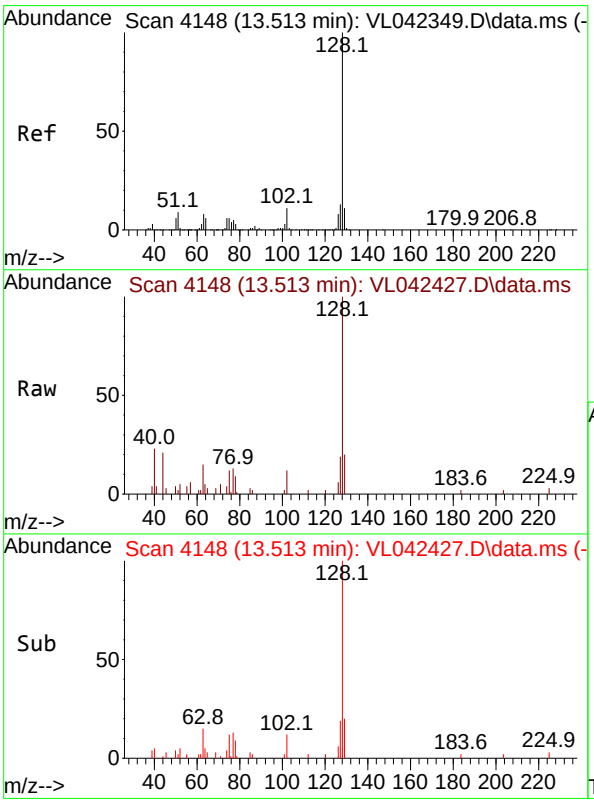
#74
1,2,4-Trimethylbenzene
Concen: 0.061 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

Tgt Ion:105 Resp: 3903

Ion	Ratio	Lower	Upper
105	100		
120	40.7	38.1	57.1
91	25.5	48.8	73.2#
77	16.2	19.0	28.4#

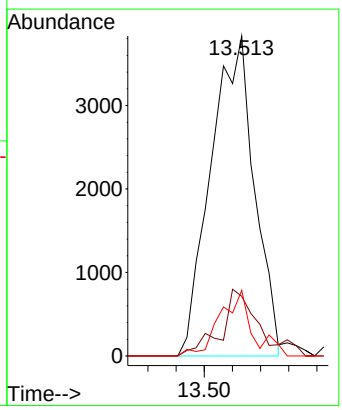




#79
Naphthalene
Concen: 0.054 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:128 Resp: 4122

Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.6	15.8#
129	20.5	8.6	12.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042428.D
Acq On : 28 Apr 2025 16:16
Operator : SY/MD
Sample : Q1880-08
Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Quant Time: Apr 29 01:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	130703	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	360136	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	306395	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	265930	10.562	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11832	0.512	ppbv	#	87
3) Chlorodifluoromethane	1.842	51	2362	0.107	ppbv		95
4) Chloromethane	1.531	50	5307	0.581	ppbv		91
6) Bromomethane	1.674	94	169	0.040	ppbv	#	8
7) Chloroethane	1.466	64	10513	2.922	ppbv	#	45
9) Propene	1.486	41	4882	0.488	ppbv	#	15
10) Heptane	4.985	43	1036	0.037	ppbv	#	27
11) Trichlorofluoromethane	1.878	101	5326	0.243	ppbv		93
12) 1,1,2-Trichlorotrifluo...	2.136	101	905	0.050	ppbv	#	69
13) Ethanol	1.719	45	208480	130.977	ppbv		75
15) Acetone	1.835	43	114149	5.335	ppbv	#	86
16) 1,3-Butadiene	1.599	39	1129	0.110	ppbv	#	9
17) tert-Butyl alcohol	2.039	59	1035	0.039	ppbv	#	71
19) Isopropyl Alcohol	1.887	45	26353	2.217	ppbv	#	29
20) Methylene Chloride	2.062	84	3426	0.409	ppbv		87
21) Allyl Chloride	2.043	41	3514	0.238	ppbv		88
23) Vinyl Acetate	2.560	43	11685	1.349	ppbv	#	88
25) Ethyl Acetate	2.839	43	2723	0.052	ppbv	#	65
26) Hexane	2.823	57	2441	0.114	ppbv	#	65
30) Cyclohexane	3.855	84	1295	0.075	ppbv	#	52
34) 2-Butanone	2.560	43	11685	0.410	ppbv		97
35) Carbon Tetrachloride	3.765	117	1585	0.049	ppbv	#	64
36) Benzene	3.654	78	4289	0.110	ppbv		99
39) 1,2-Dichloropropane	3.959	63	99262	6.857	ppbv	#	21
53) Toluene	6.936	91	18874	0.405	ppbv		100
58) Ethyl Benzene	9.351	91	2937	0.048	ppbv	#	84
60) o-Xylene	9.963	91	2577	0.052	ppbv		89
74) 1,2,4-Trimethylbenzene	11.536	105	2789	0.045	ppbv	#	67

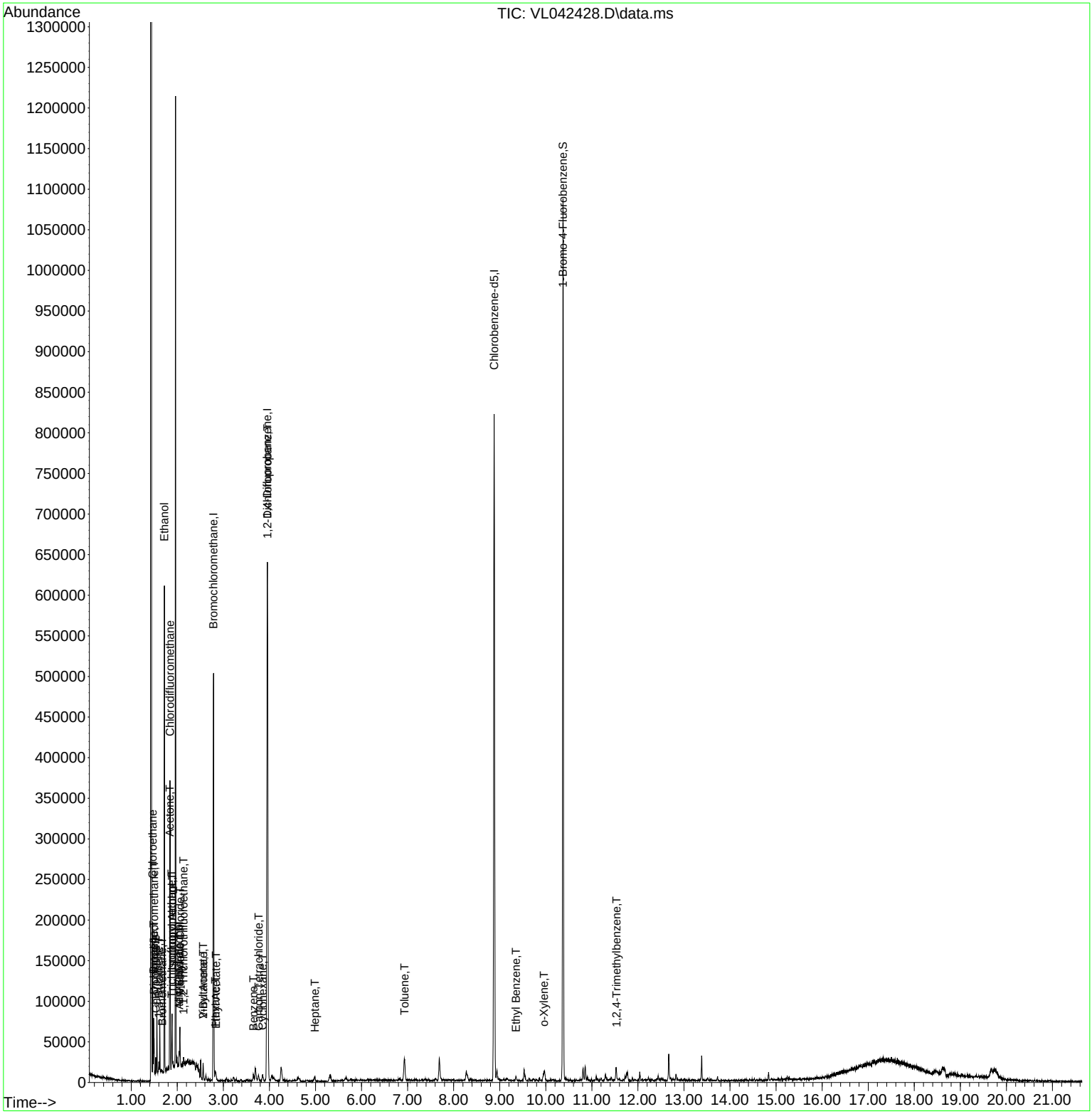
(#) = qualifier out of range (m) = manual integration (+) = signals summed

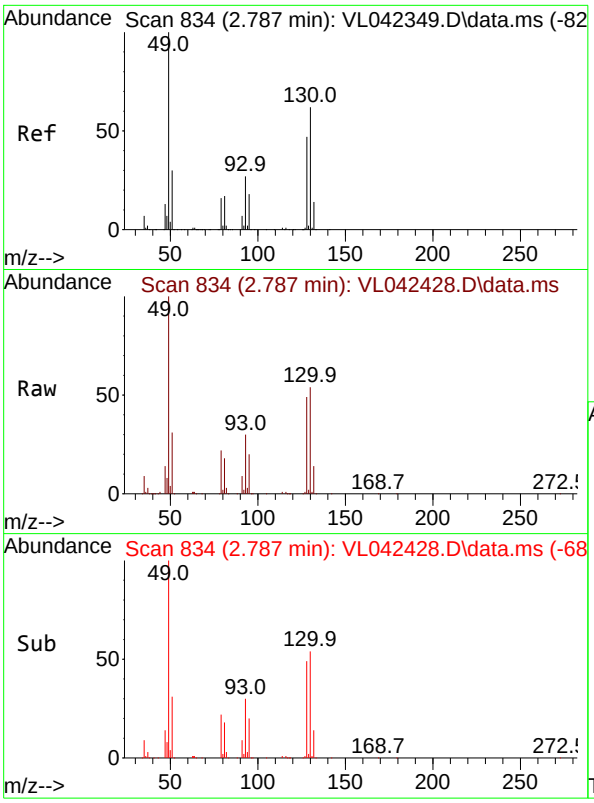
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042428.D
Acq On : 28 Apr 2025 16:16
Operator : SY/MD
Sample : Q1880-08
Misc : 400mL/MSVOA_L
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Quant Time: Apr 29 01:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



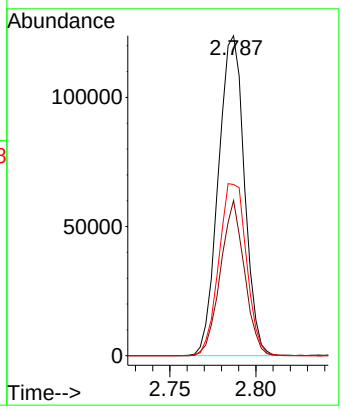


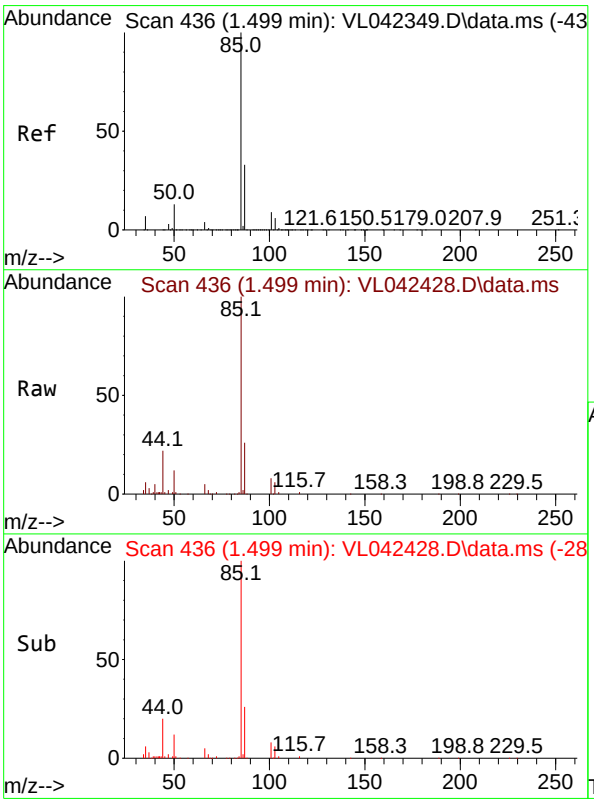
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 49 Resp: 130703

Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.8	68.4
130	57.0	29.3	88.0

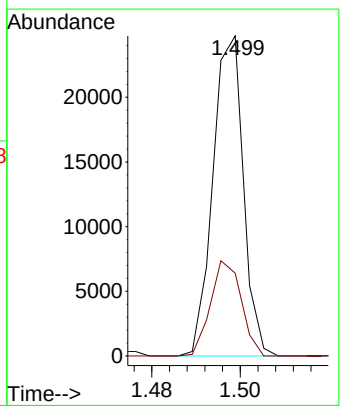


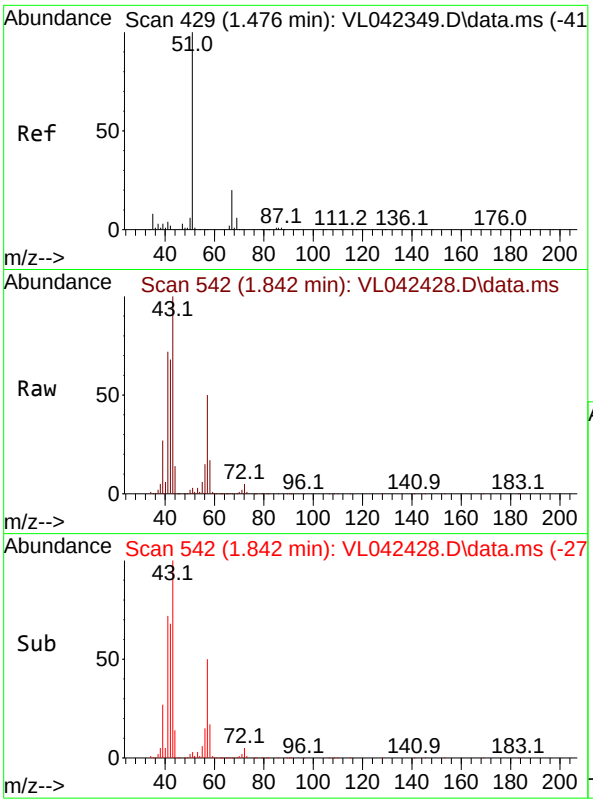


#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 85 Resp: 11832

Ion	Ratio	Lower	Upper
85	100		
87	25.9	26.6	39.8#



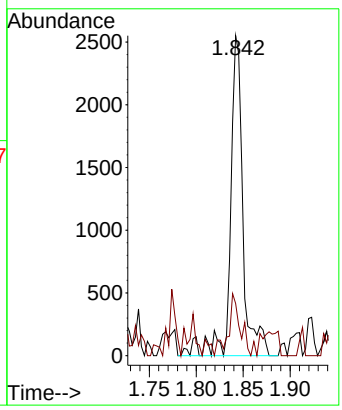


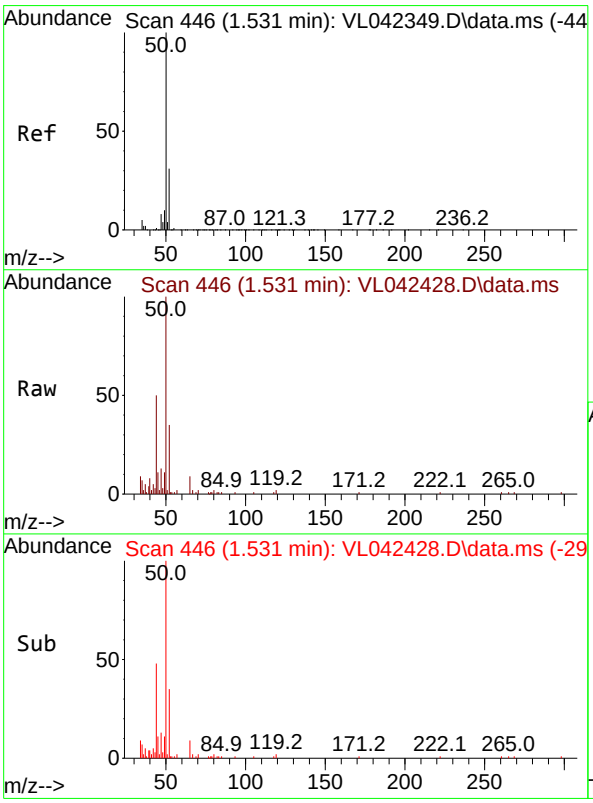
#3
Chlorodifluoromethane
Concen: 0.107 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.366 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 51 Resp: 2362

Ion	Ratio	Lower	Upper
51	100		
67	18.2	16.2	24.4

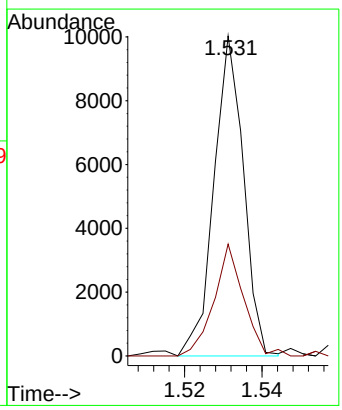


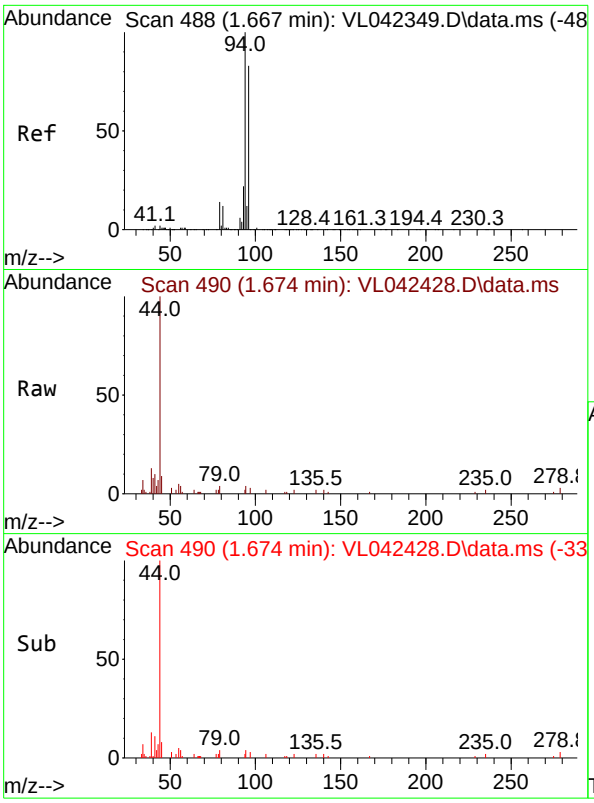


#4
Chloromethane
Concen: 0.581 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 50 Resp: 5307

Ion	Ratio	Lower	Upper
50	100		
52	35.6	24.7	37.1



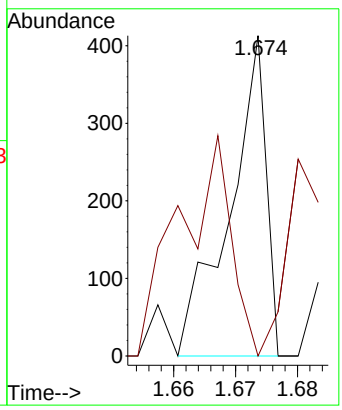


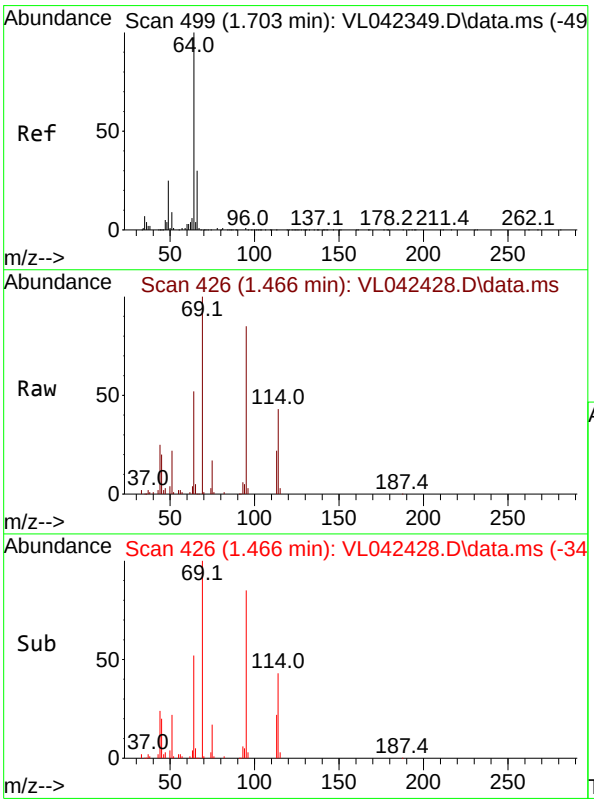
#6
Bromomethane
Concen: 0.040 ppbv
RT: 1.674 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 94 Resp: 169

Ion	Ratio	Lower	Upper
94	100		
96	0.0	66.2	99.2#

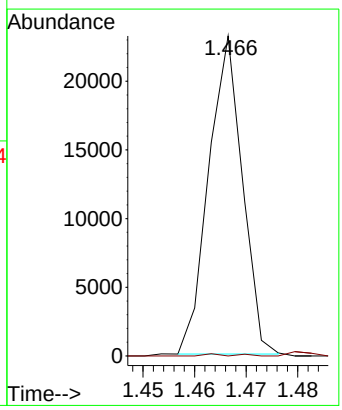


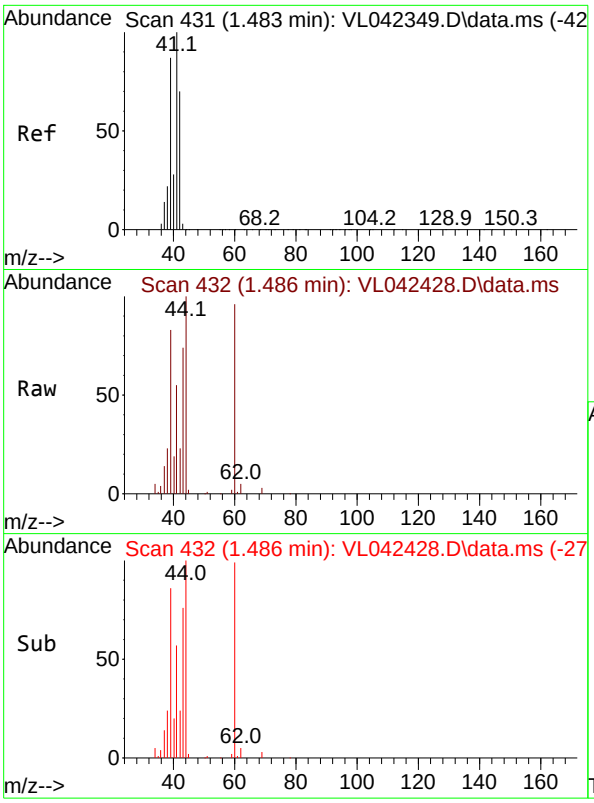


#7
Chloroethane
Concen: 2.922 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 64 Resp: 10513

Ion	Ratio	Lower	Upper
64	100		
66	0.5	24.6	37.0#



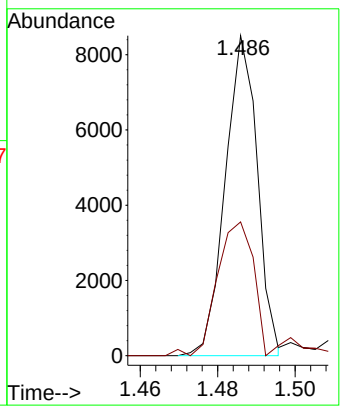


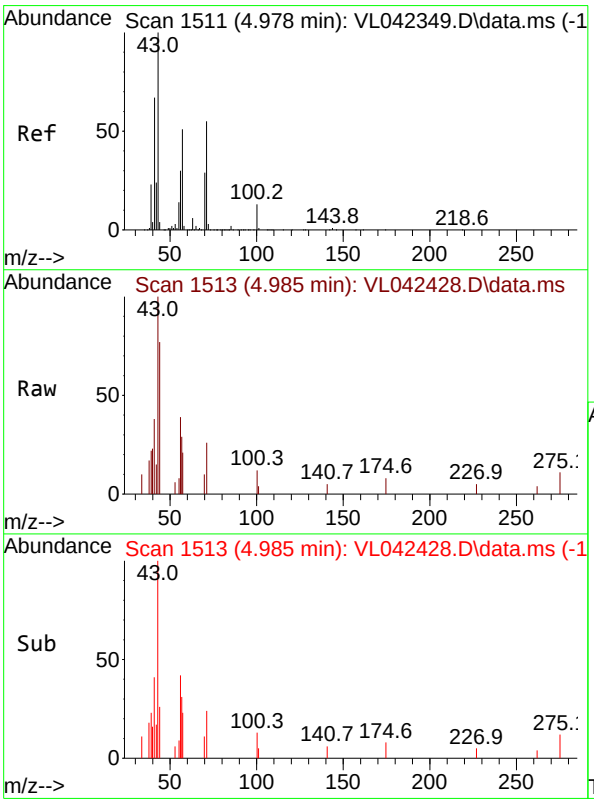
#9
Propene
Concen: 0.488 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 41 Resp: 4882

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#

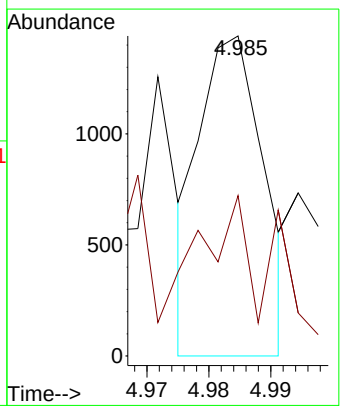


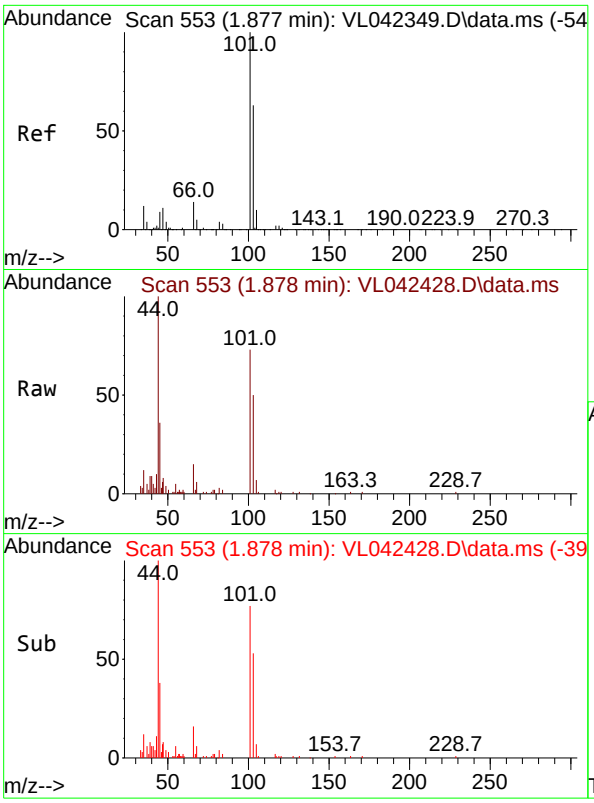


#10
Heptane
Concen: 0.037 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.007 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 43 Resp: 1036

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#



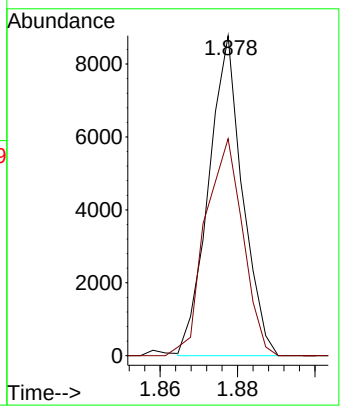


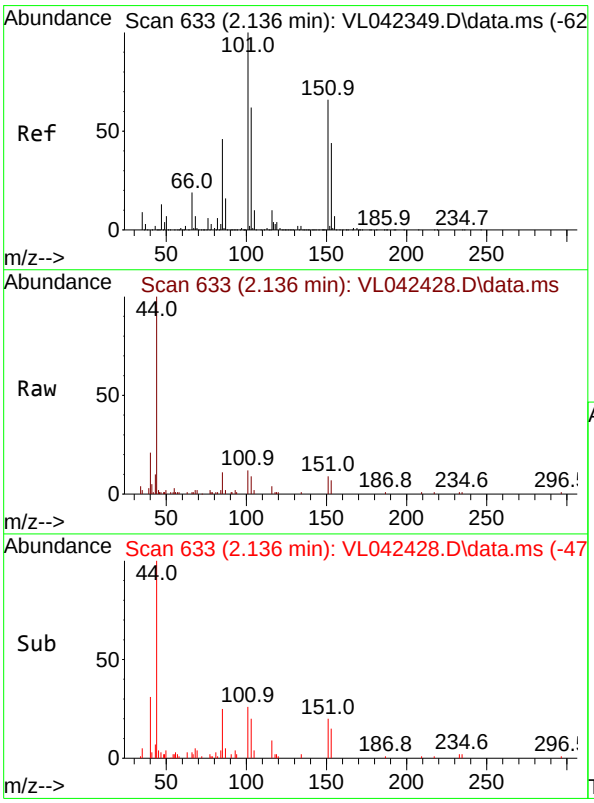
#11
Trichlorofluoromethane
Concen: 0.243 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion:101 Resp: 5326

Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.1	75.1

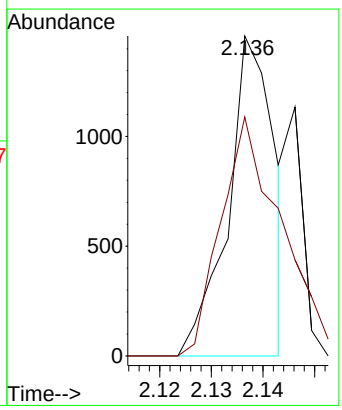


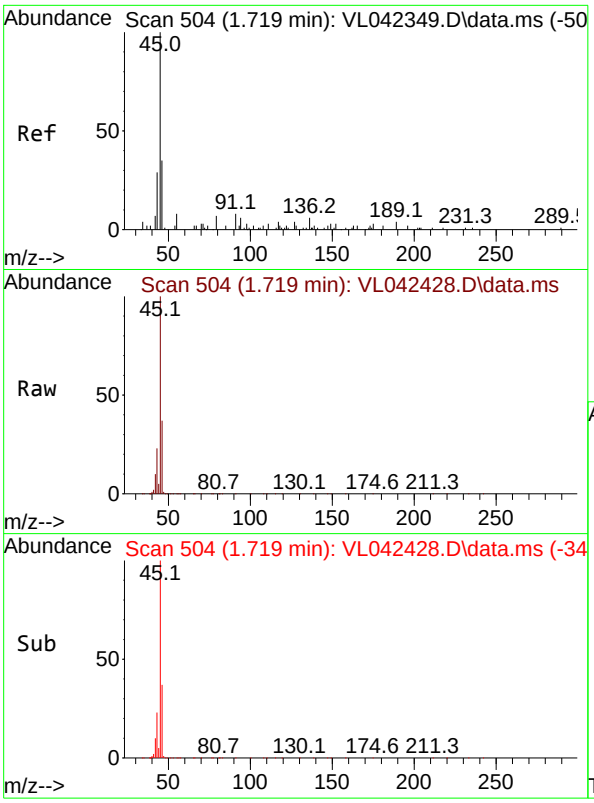


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.050 ppbv
RT: 2.136 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:101 Resp: 905

Ion	Ratio	Lower	Upper
101	100		
151	97.3	57.0	85.6#



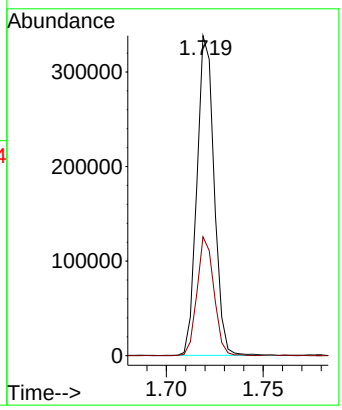


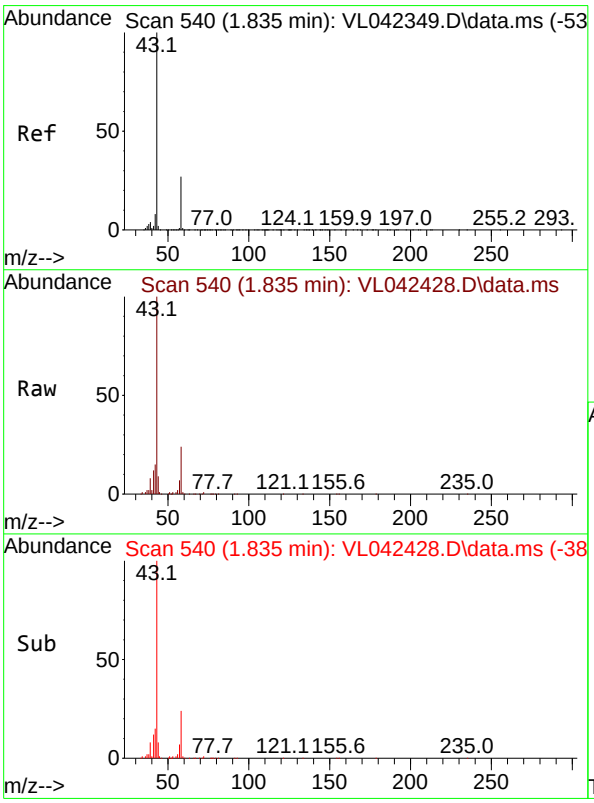
#13
Ethanol
Concen: 130.977 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 45 Resp: 208480

Ion	Ratio	Lower	Upper
45	100		
46	37.0	21.9	87.7

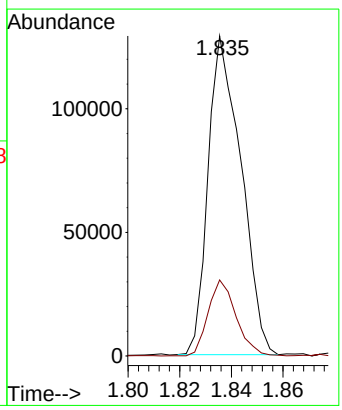


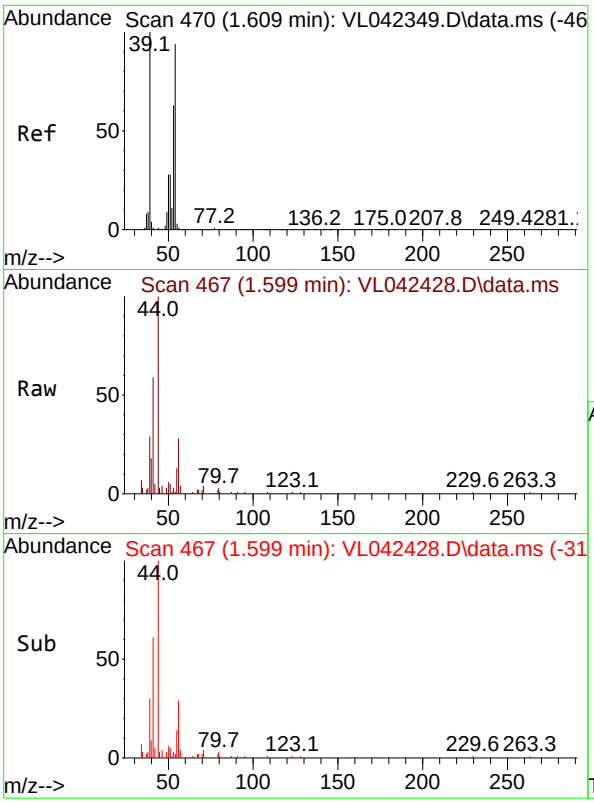


#15
Acetone
Concen: 5.335 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 43 Resp: 114149

Ion	Ratio	Lower	Upper
43	100		
58	20.5	22.4	33.6#



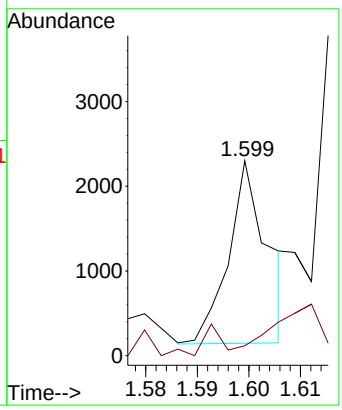


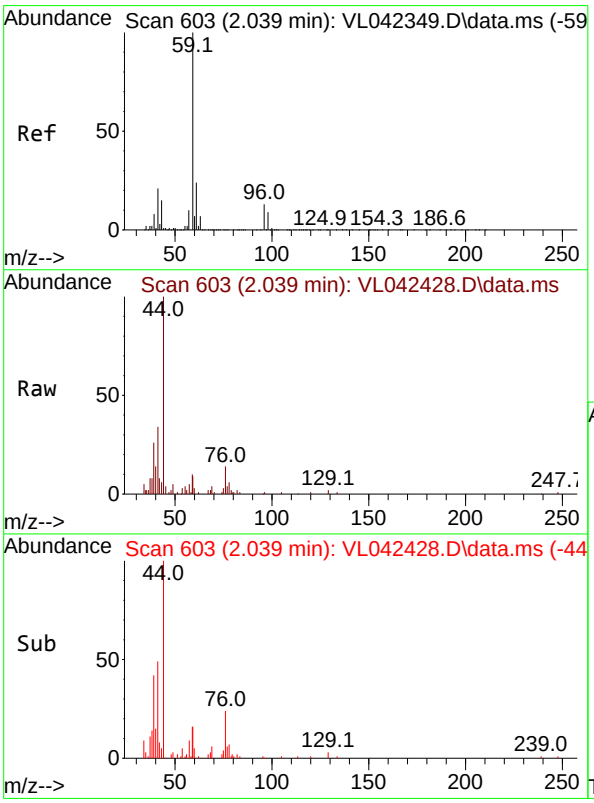
#16
1,3-Butadiene
Concen: 0.110 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 39 Resp: 1129

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.9	97.3#

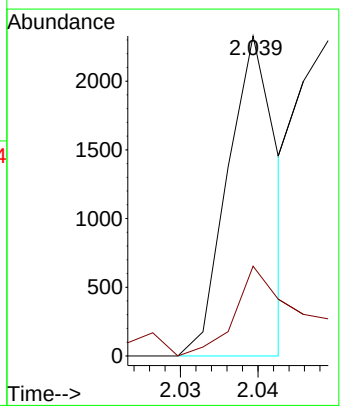


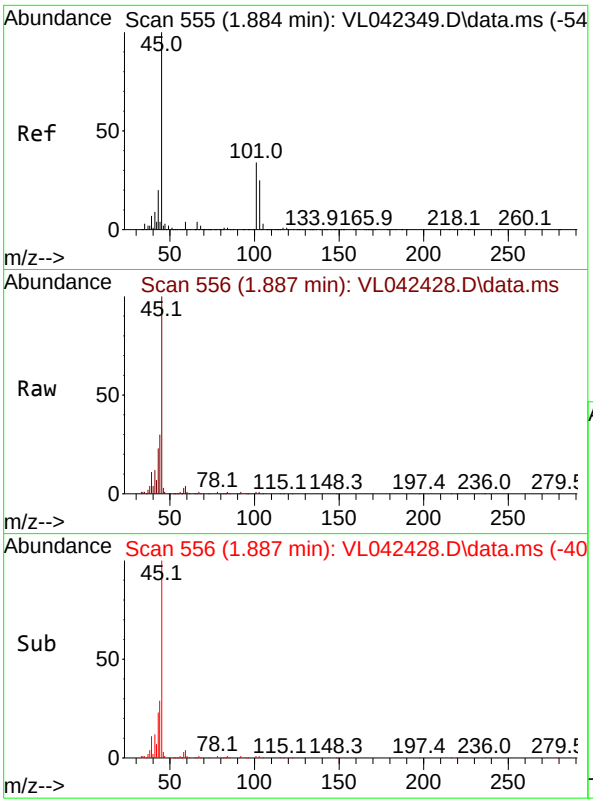


#17
tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 59 Resp: 1035

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



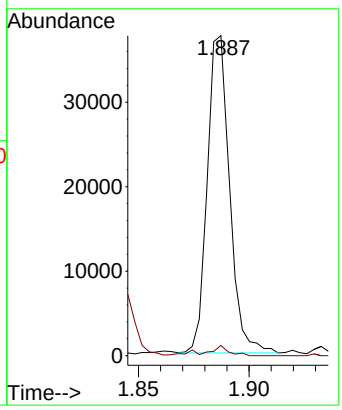


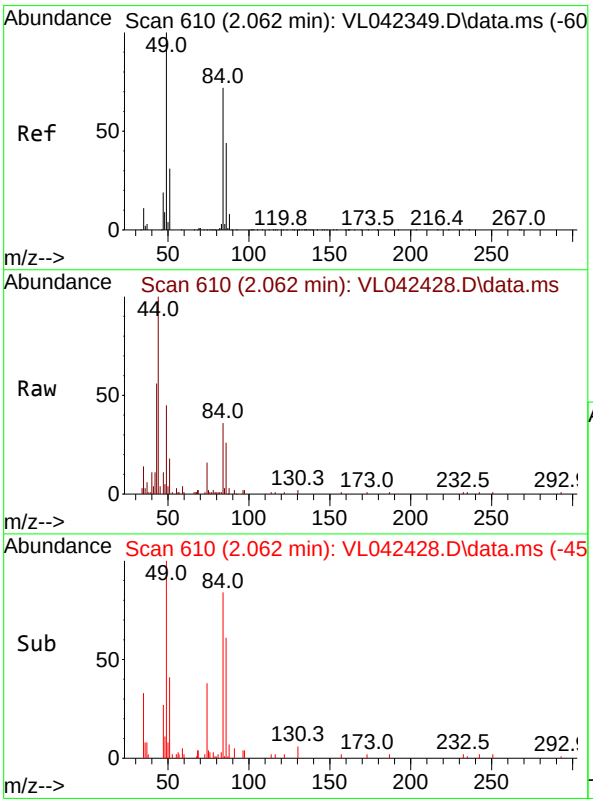
#19
Isopropyl Alcohol
Concen: 2.217 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 45 Resp: 26353

Ion	Ratio	Lower	Upper
45	100		
58	88.6	34.5	51.7#

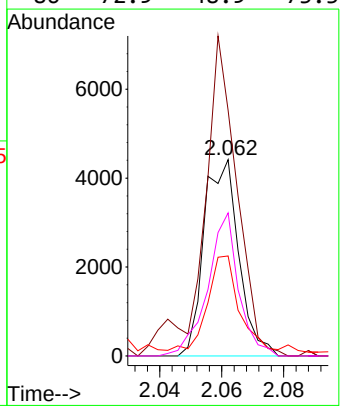


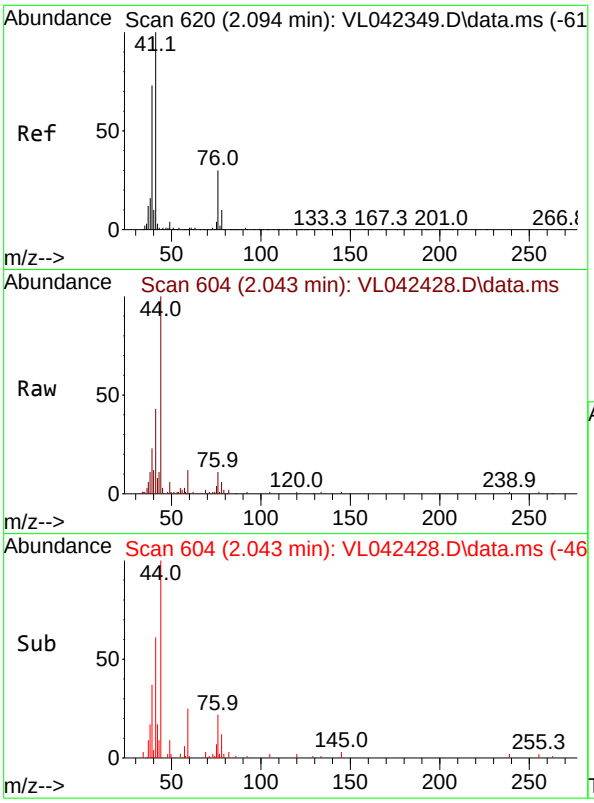


#20
Methylene Chloride
Concen: 0.409 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 84 Resp: 3426

Ion	Ratio	Lower	Upper
84	100		
49	122.4	111.6	167.4
51	47.7	35.1	52.7
86	72.9	48.9	73.3



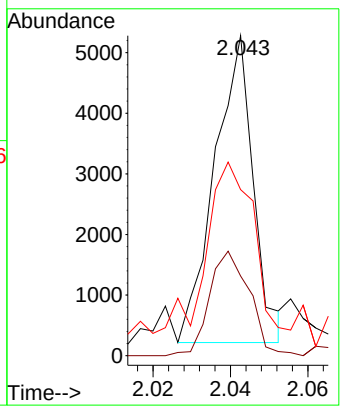


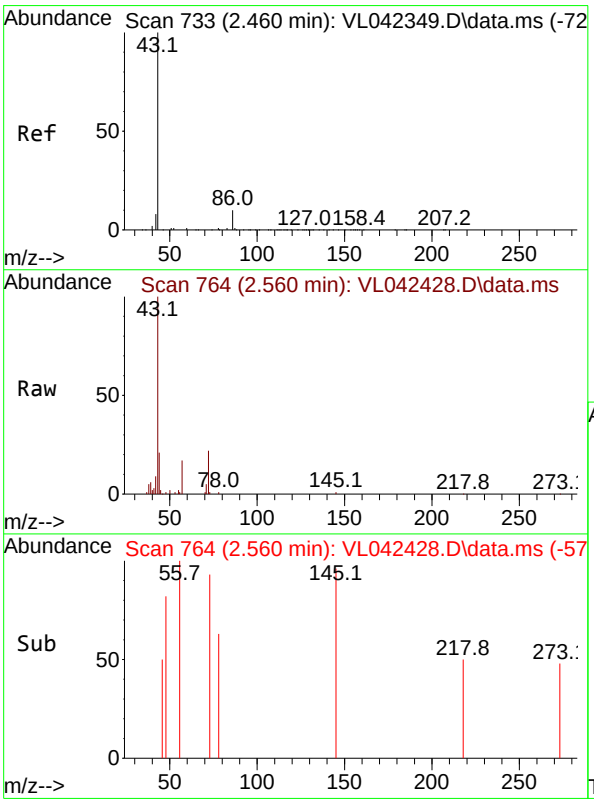
#21
Allyl Chloride
Concen: 0.238 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.052 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 41 Resp: 3514

Ion	Ratio	Lower	Upper
41	100		
76	36.8	24.8	37.2
39	86.9	60.6	90.8

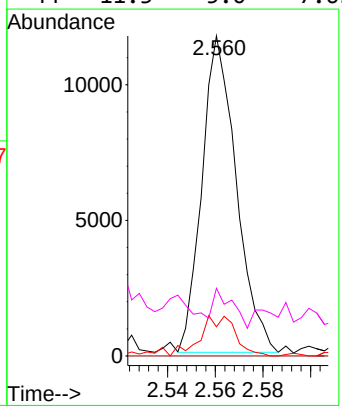


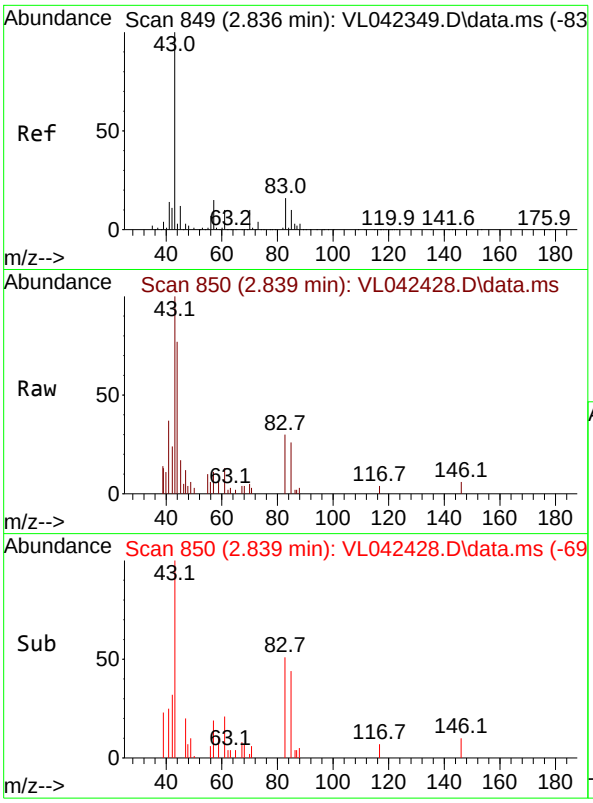


#23
Vinyl Acetate
Concen: 1.349 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.100 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 43 Resp: 11685

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#
42	9.2	7.8	11.8
44	11.3	5.0	7.6#



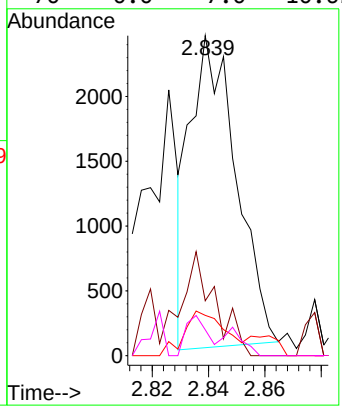


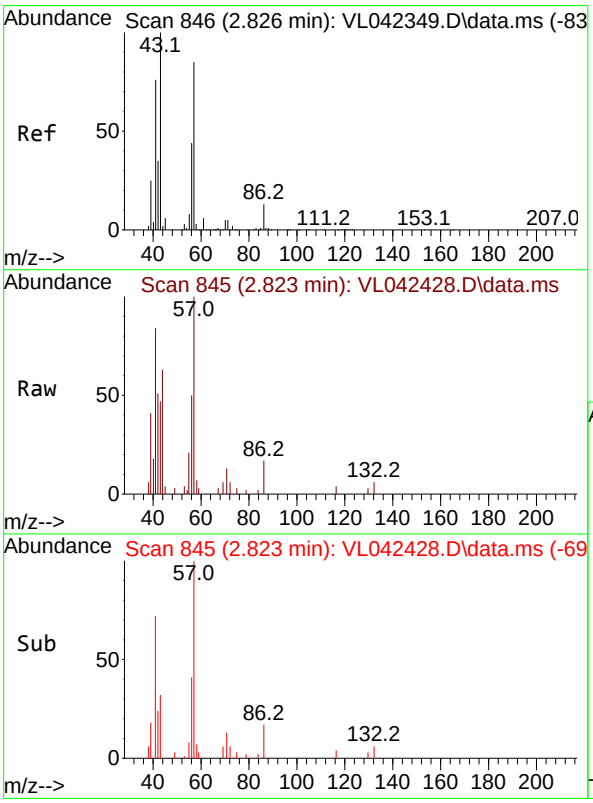
#25
Ethyl Acetate
Concen: 0.052 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 43 Resp: 2723

Ion	Ratio	Lower	Upper
43	100		
45	31.6	8.3	12.5#
61	16.7	7.3	10.9#
70	0.0	7.0	10.6#

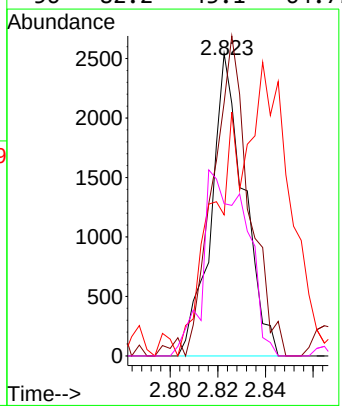


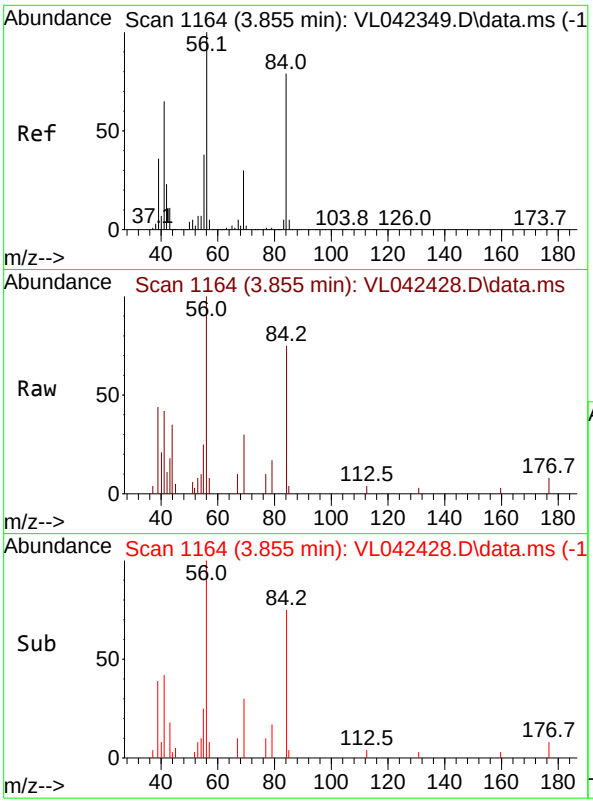


#26
Hexane
Concen: 0.114 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 57 Resp: 2441

Ion	Ratio	Lower	Upper
57	100		
41	118.9	77.9	116.9#
43	192.0	208.4	312.6#
56	82.2	43.1	64.7#



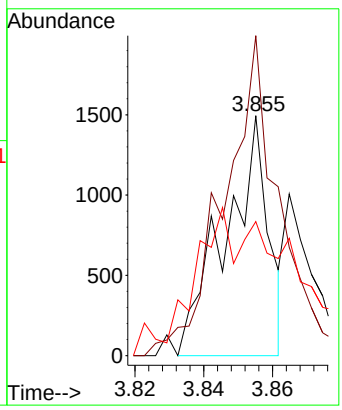


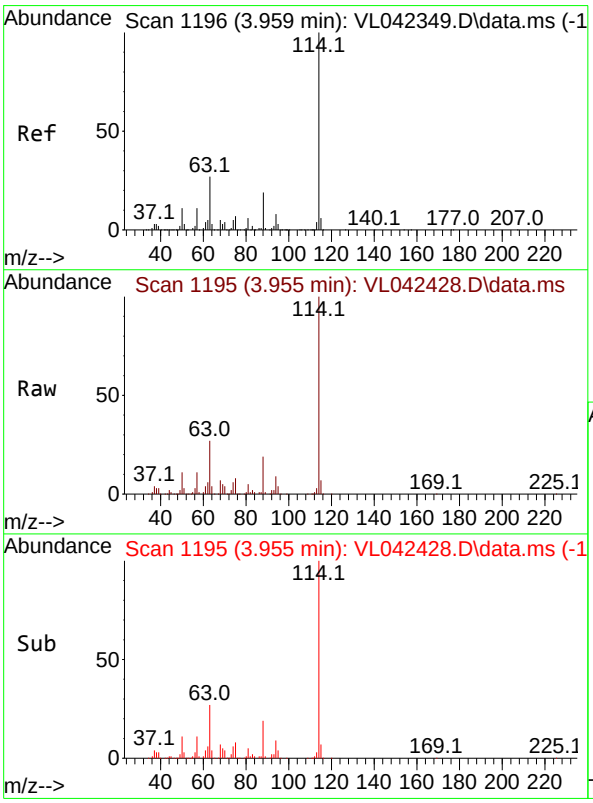
#30
Cyclohexane
Concen: 0.075 ppbv
RT: 3.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 84 Resp: 1295

Ion	Ratio	Lower	Upper
84	100		
56	171.4	101.0	151.4#
41	140.1	67.4	101.0#

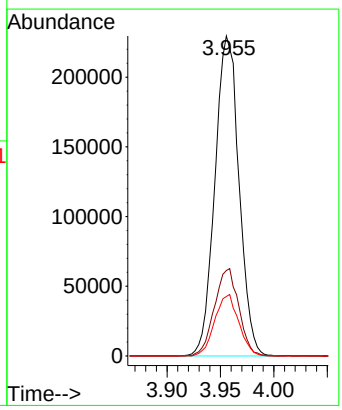


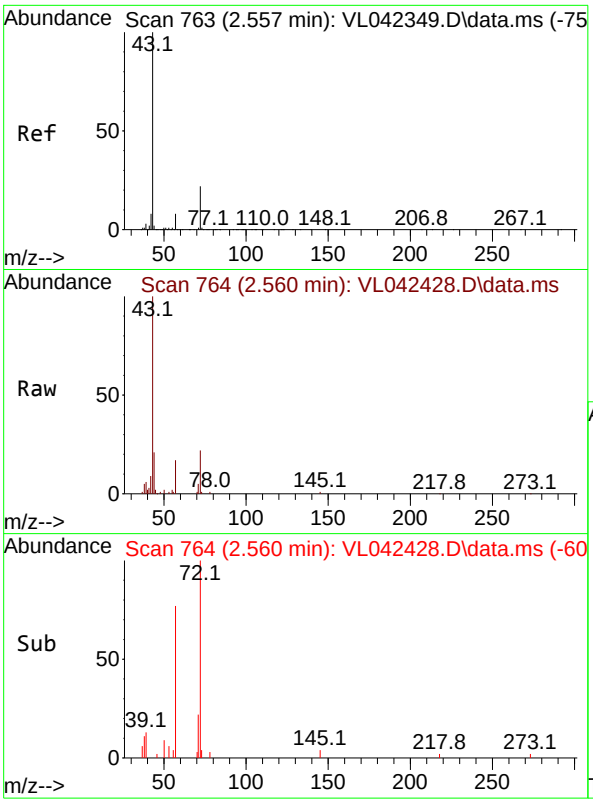


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:114 Resp: 360136

Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.8	32.6
88	19.1	15.5	23.3



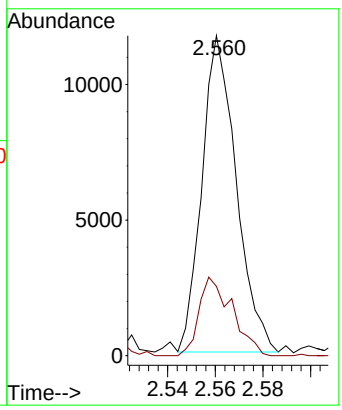


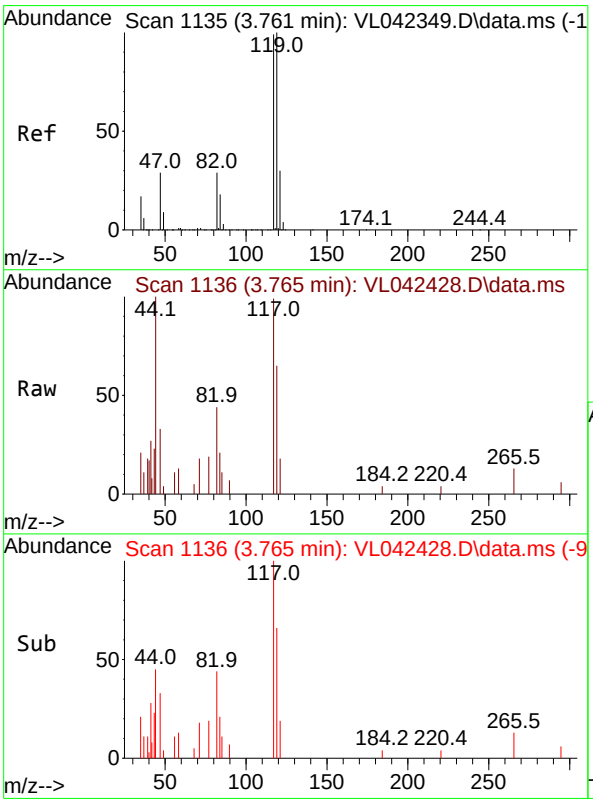
#34
2-Butanone
Concen: 0.410 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 43 Resp: 11685

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.2	27.2

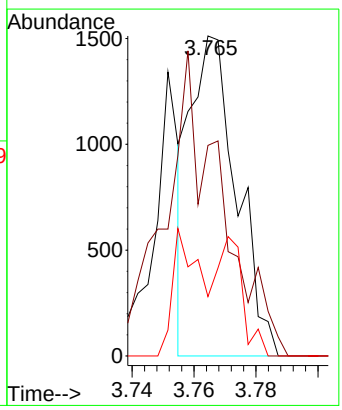


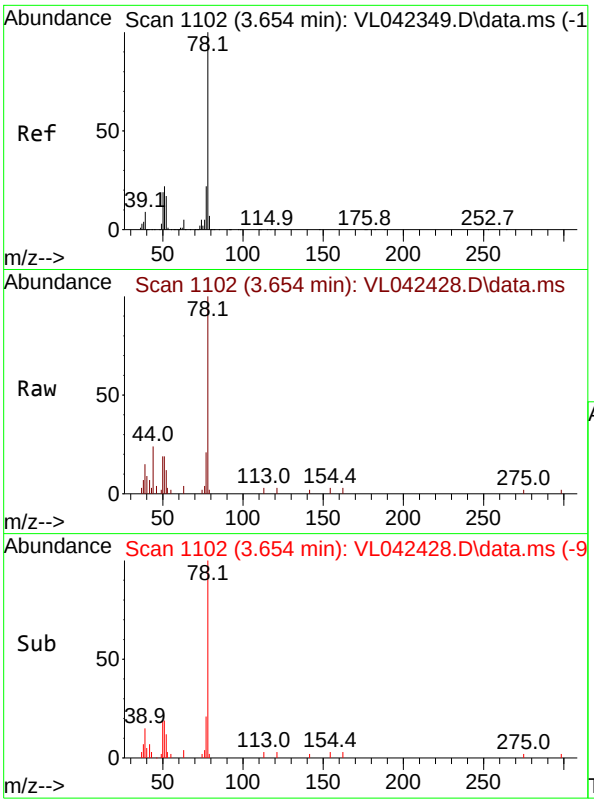


#35
Carbon Tetrachloride
Concen: 0.049 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:117 Resp: 1585

Ion	Ratio	Lower	Upper
117	100		
119	59.9	80.5	120.7#
121	18.6	24.2	36.2#



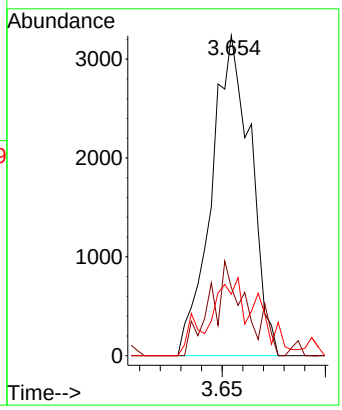


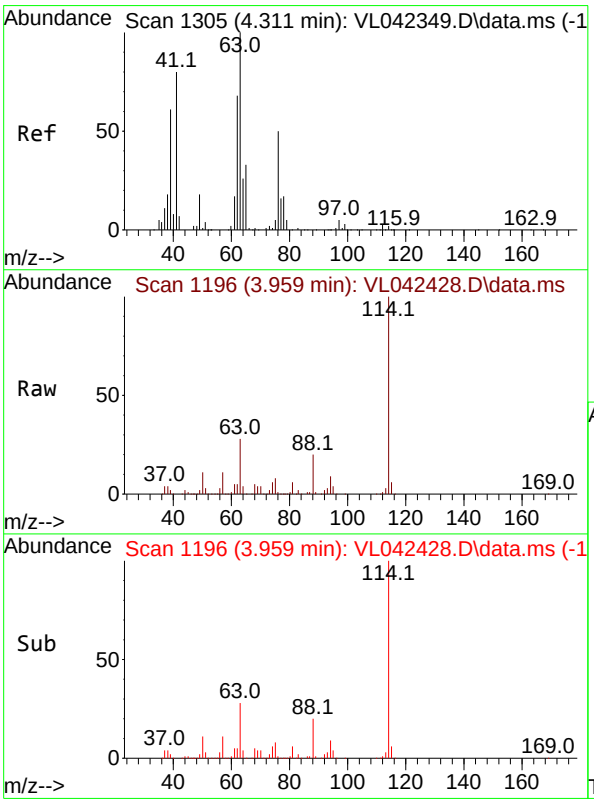
#36
Benzene
Concen: 0.110 ppbv
RT: 3.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 78 Resp: 4289

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.4	26.0
50	19.2	15.5	23.3

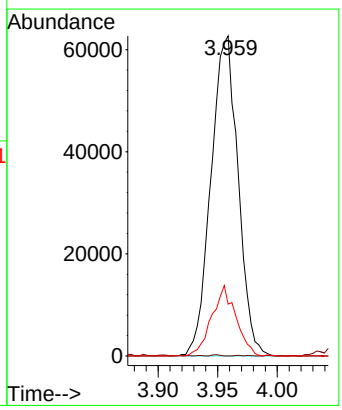


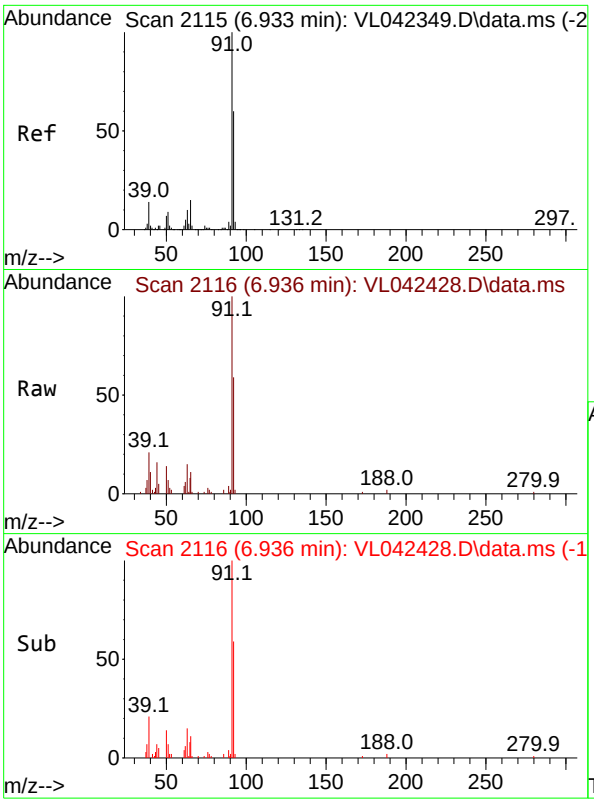


#39
1,2-Dichloropropane
Concen: 6.857 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 63 Resp: 99262

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	16.2	54.3	81.5#



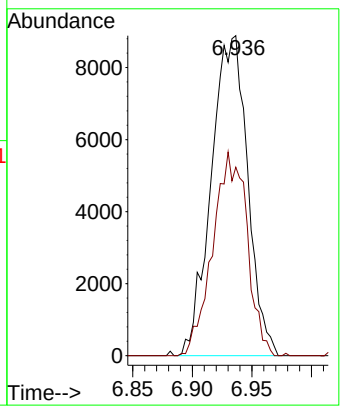


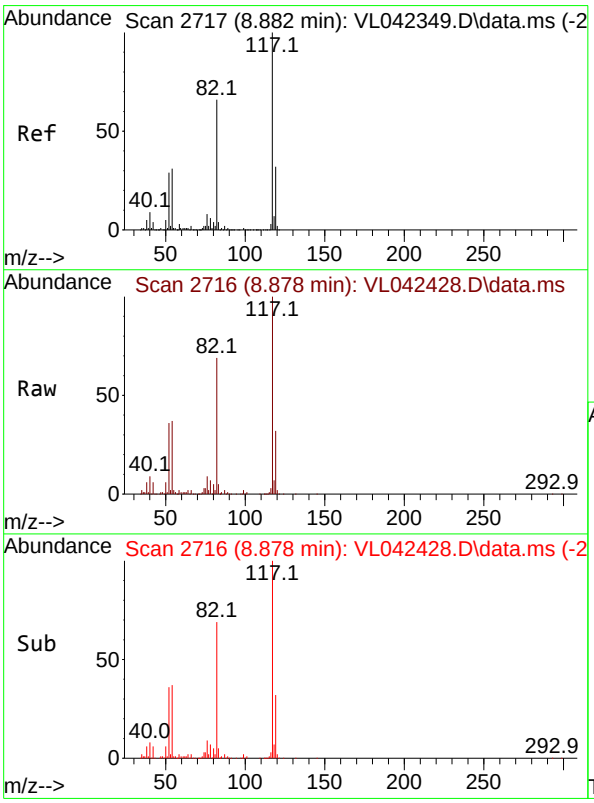
#53
Toluene
Concen: 0.405 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 91 Resp: 18874

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.4

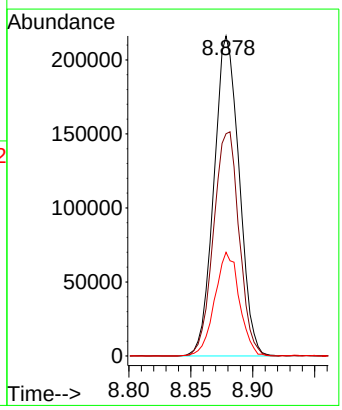


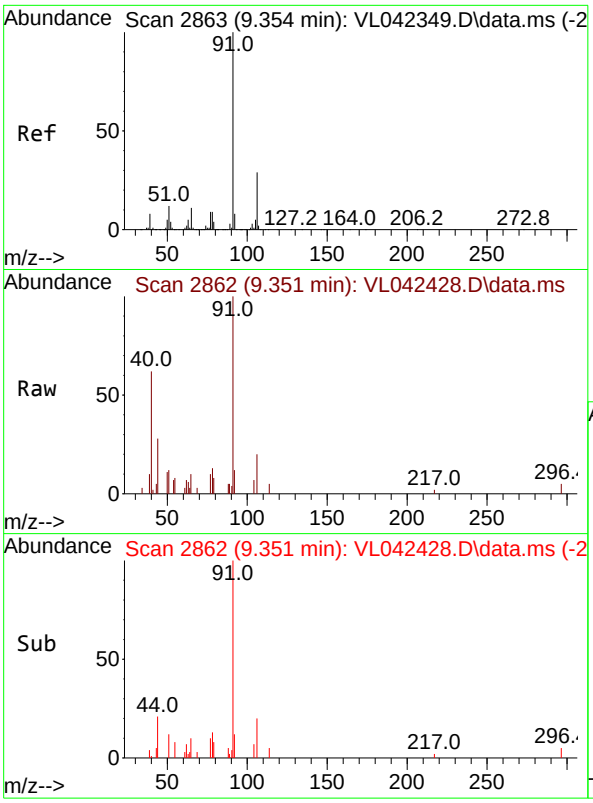


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:117 Resp: 306395

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.8	86.6
119	31.8	25.2	37.8



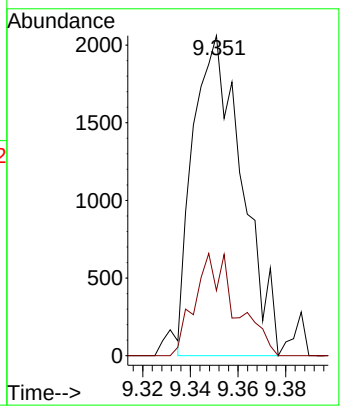


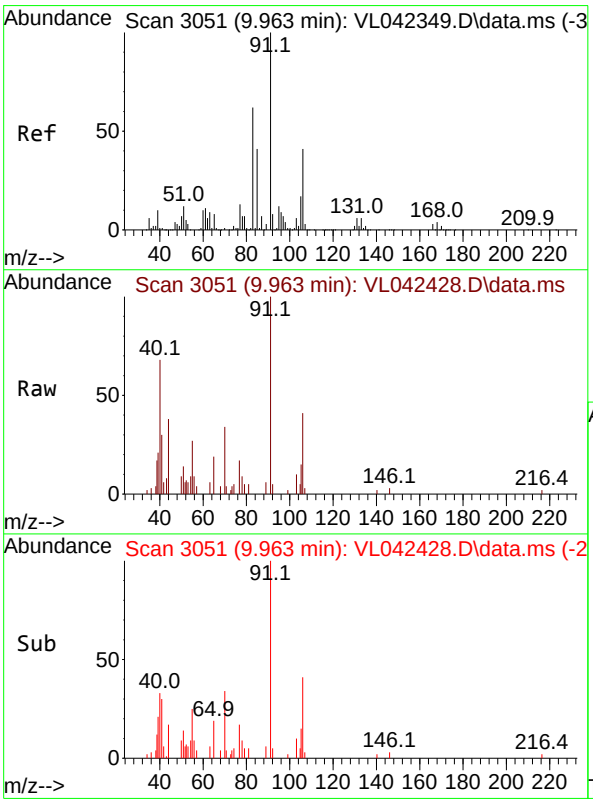
#58
Ethyl Benzene
Concen: 0.048 ppbv
RT: 9.351 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 91 Resp: 2937

Ion	Ratio	Lower	Upper
91	100		
106	20.3	23.0	34.4#

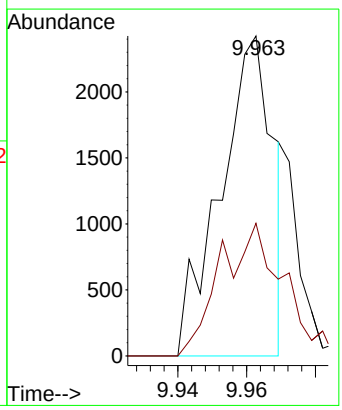


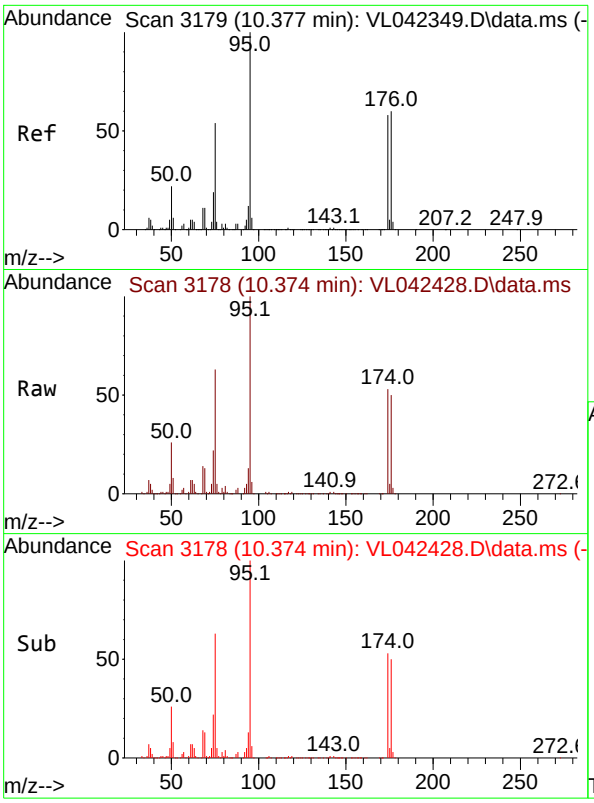


#60
o-Xylene
Concen: 0.052 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion: 91 Resp: 2577

Ion	Ratio	Lower	Upper
91	100		
106	49.0	21.1	63.4



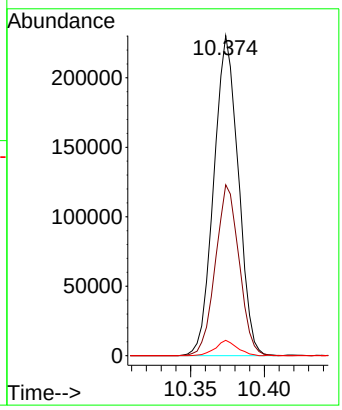


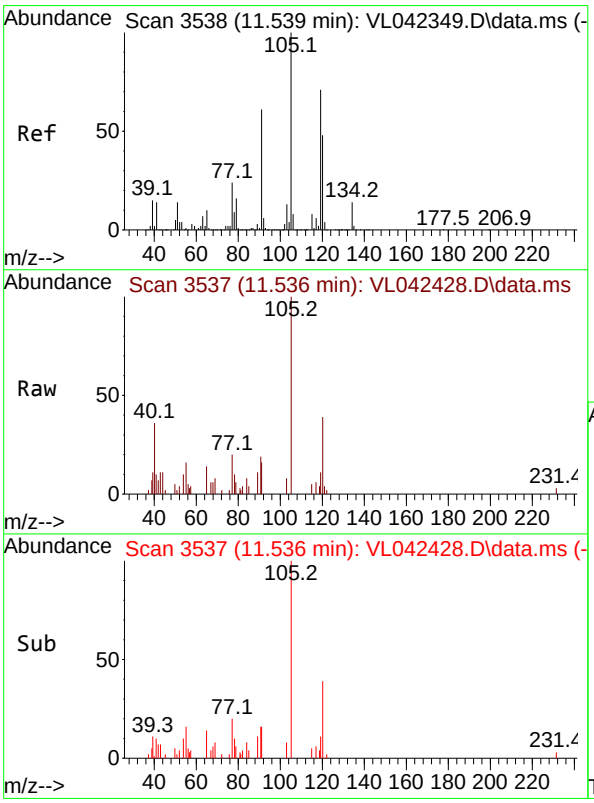
#68
1-Bromo-4-Fluorobenzene
Concen: 10.562 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-IA01-20250423

Tgt Ion: 95 Resp: 265930

Ion	Ratio	Lower	Upper
95	100		
174	51.8	48.5	72.7
175	4.3	3.7	5.5

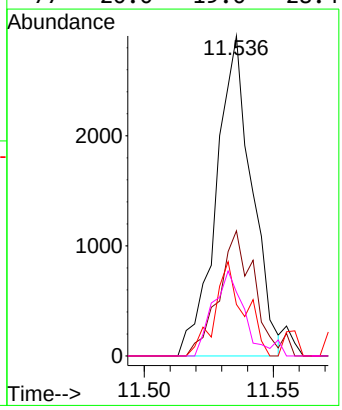




#74
1,2,4-Trimethylbenzene
Concen: 0.045 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042428.D
Acq: 28 Apr 2025 16:16

Tgt Ion:105 Resp: 2789

Ion	Ratio	Lower	Upper
105	100		
120	39.1	38.1	57.1
91	16.1	48.8	73.2#
77	20.0	19.0	28.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042429.D
Acq On : 28 Apr 2025 16:50
Operator : SY/MD
Sample : Q1880-10
Misc : 400mL/MSVOA_L
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Quant Time: Apr 29 01:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

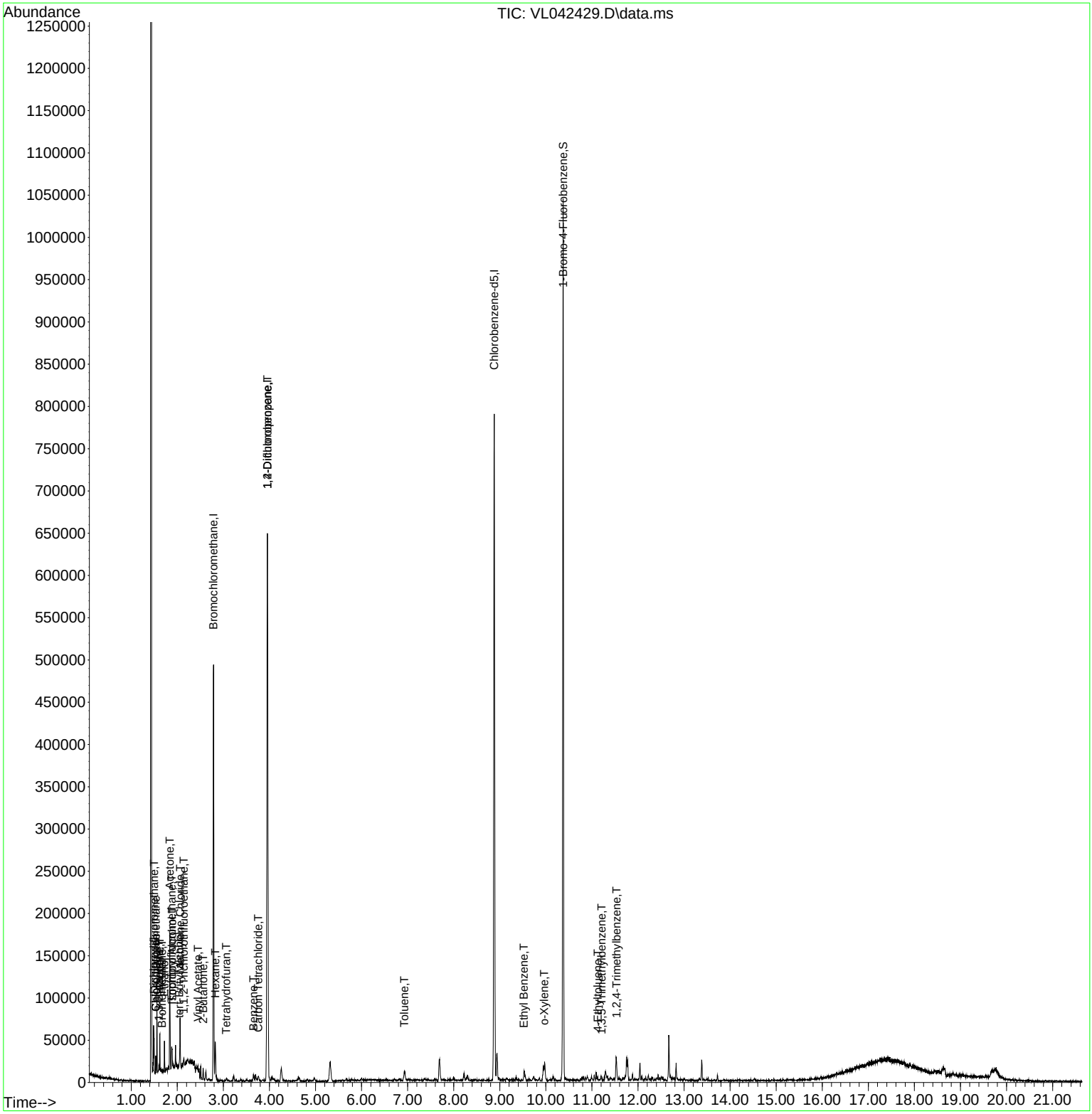
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	126248	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	347099	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	291241	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	255913	10.693	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	10161	0.456	ppbv		94
3) Chlorodifluoromethane	1.531	51	656	0.031	ppbv		93
4) Chloromethane	1.531	50	5240	0.594	ppbv		92
6) Bromomethane	1.664	94	158	0.038	ppbv	#	8
9) Propene	1.619	41	4604	0.476	ppbv		93
11) Trichlorofluoromethane	1.878	101	5511	0.260	ppbv		91
12) 1,1,2-Trichlorotrifluo...	2.140	101	1147	0.066	ppbv	#	69
13) Ethanol	1.719	45	11666	7.588	ppbv	#	24
15) Acetone	1.836	43	68450	3.312	ppbv		98
16) 1,3-Butadiene	1.599	39	1088	0.110	ppbv	#	26
17) tert-Butyl alcohol	2.043	59	1212	0.047	ppbv	#	44
19) Isopropyl Alcohol	1.887	45	8781	0.765	ppbv	#	1
20) Methylene Chloride	2.062	84	8715	1.077	ppbv	#	81
23) Vinyl Acetate	2.451	43	5810	0.695	ppbv	#	75
26) Hexane	2.823	57	10435	0.506	ppbv	#	36
34) 2-Butanone	2.561	43	8080	0.294	ppbv		97
35) Carbon Tetrachloride	3.758	117	1361	0.043	ppbv	#	86
36) Benzene	3.655	78	4175	0.112	ppbv	#	72
39) 1,2-Dichloropropane	3.956	63	97726	7.005	ppbv	#	23
41) Tetrahydrofuran	3.062	42	653	0.041	ppbv		98
53) Toluene	6.930	91	3755	0.084	ppbv	#	18
58) Ethyl Benzene	9.523	91	5348	0.093	ppbv		100
60) o-Xylene	9.963	91	2489	0.053	ppbv		84
72) 4-Ethyltoluene	11.128	105	1787	0.031	ppbv	#	59
73) 1,3,5-Trimethylbenzene	11.209	105	1554	0.031	ppbv	#	51
74) 1,2,4-Trimethylbenzene	11.536	105	4974	0.084	ppbv	#	74

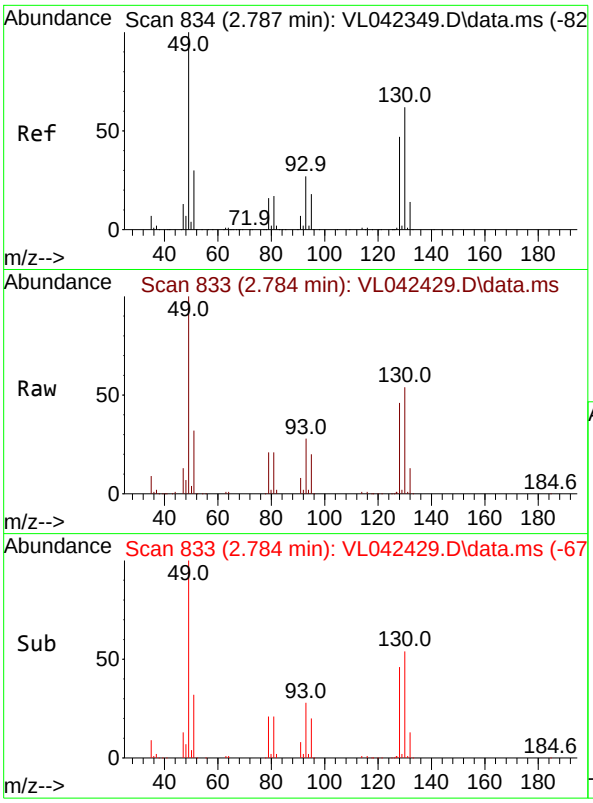
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042429.D
Acq On : 28 Apr 2025 16:50
Operator : SY/MD
Sample : Q1880-10
Misc : 400mL/MSVOA_L
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Quant Time: Apr 29 01:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



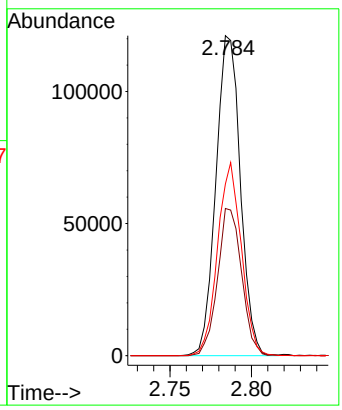


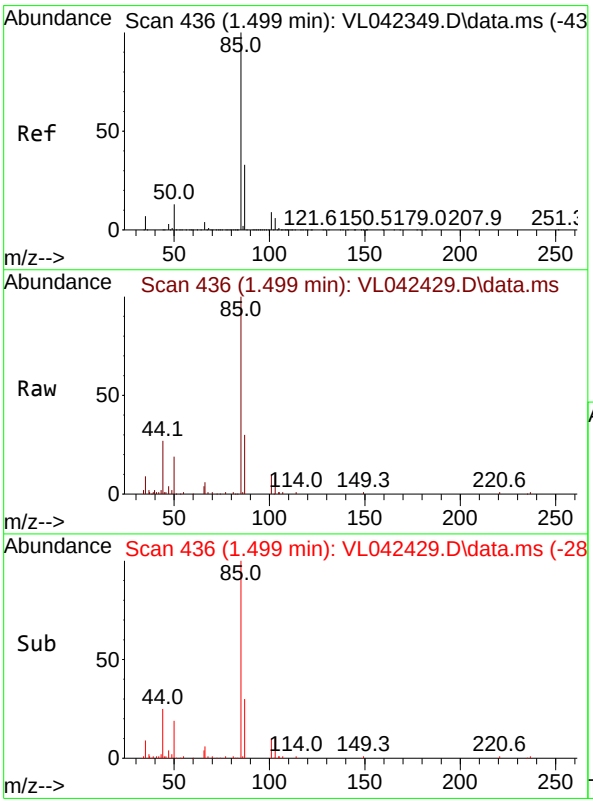
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 49 Resp: 126248

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	58.6	29.3	88.0

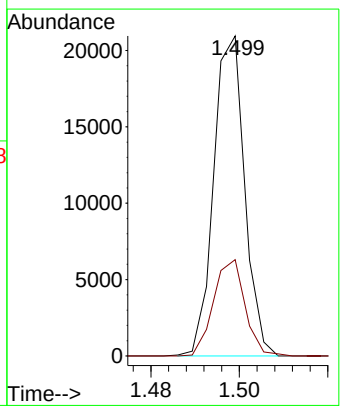


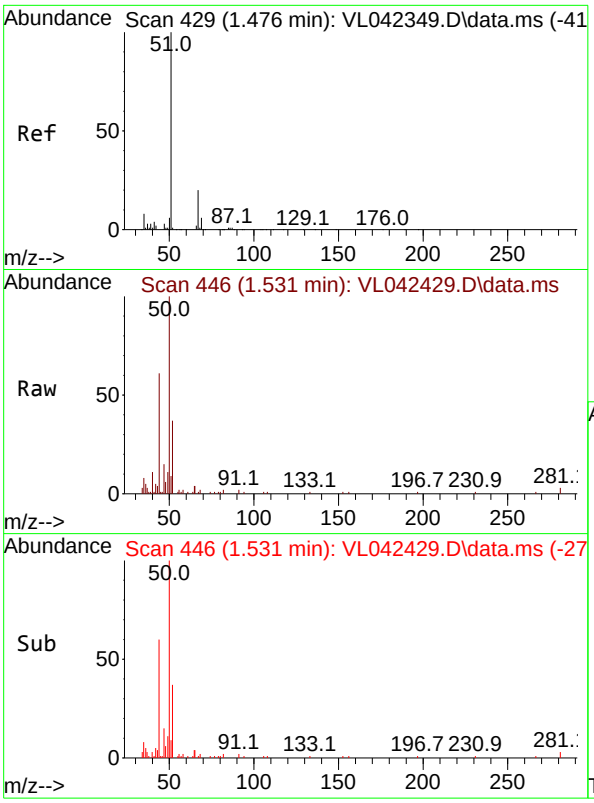


#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 85 Resp: 10161

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.6	39.8



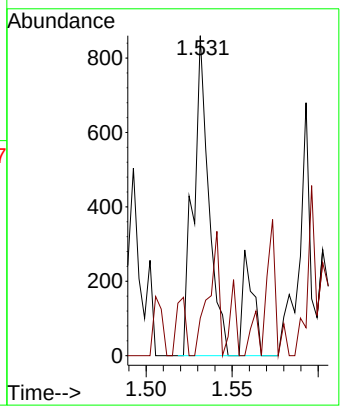


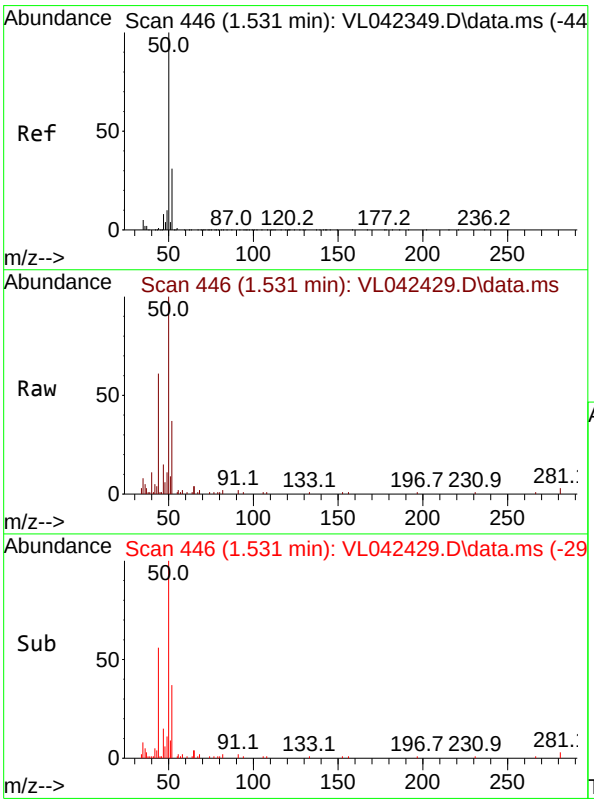
#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.531 min Scan# 44
Delta R.T. 0.055 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 51 Resp: 656

Ion	Ratio	Lower	Upper
51	100		
67	17.2	16.2	24.4

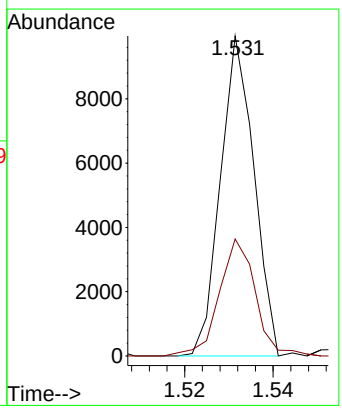


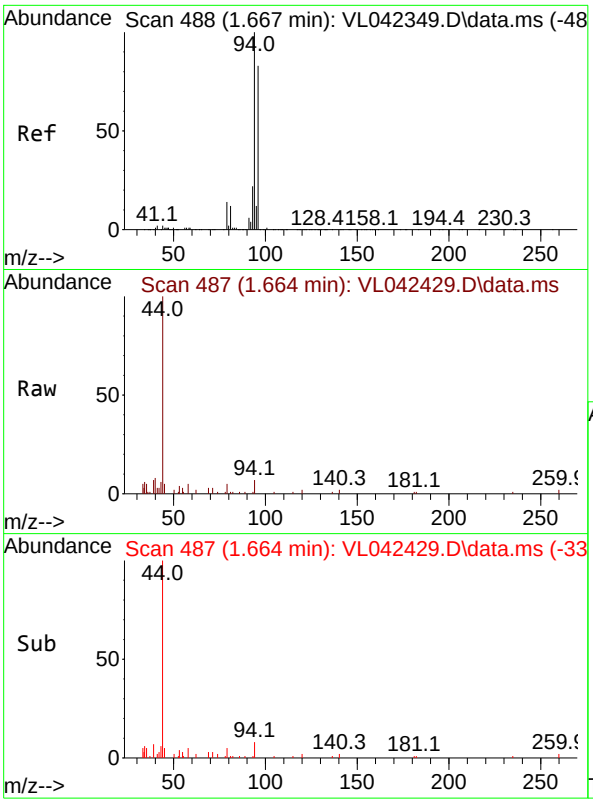


#4
Chloromethane
Concen: 0.594 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 50 Resp: 5240

Ion	Ratio	Lower	Upper
50	100		
52	35.5	24.7	37.1



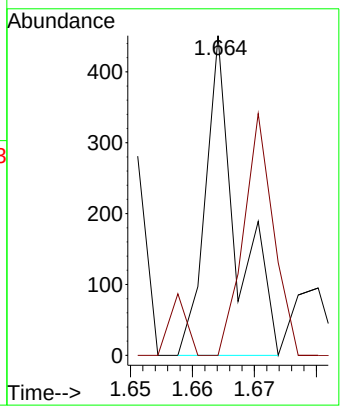


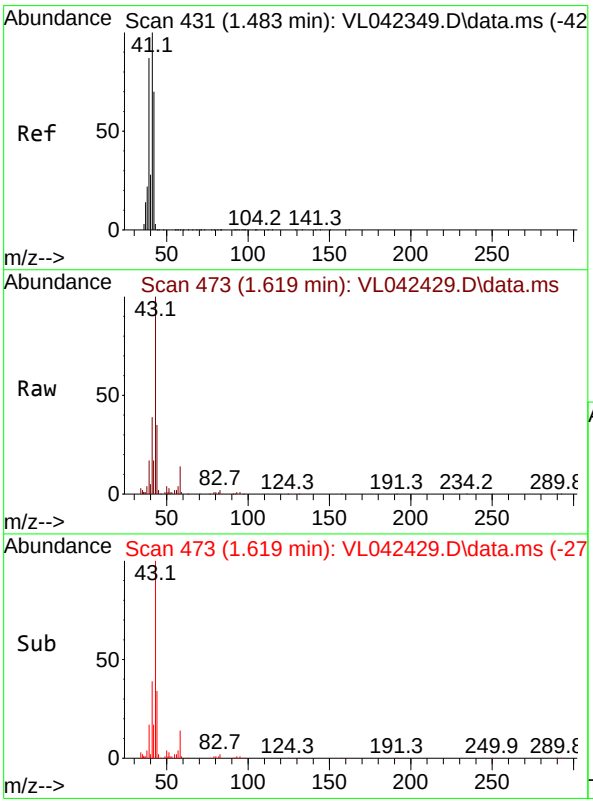
#6
Bromomethane
Concen: 0.038 ppbv
RT: 1.664 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 94 Resp: 158

Ion	Ratio	Lower	Upper
94	100		
96	0.0	66.2	99.2#

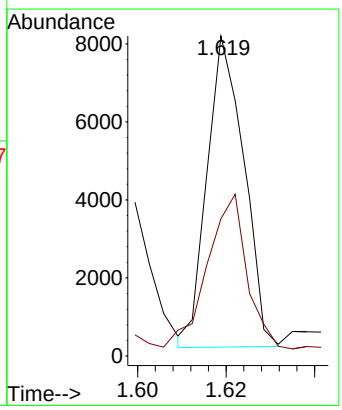


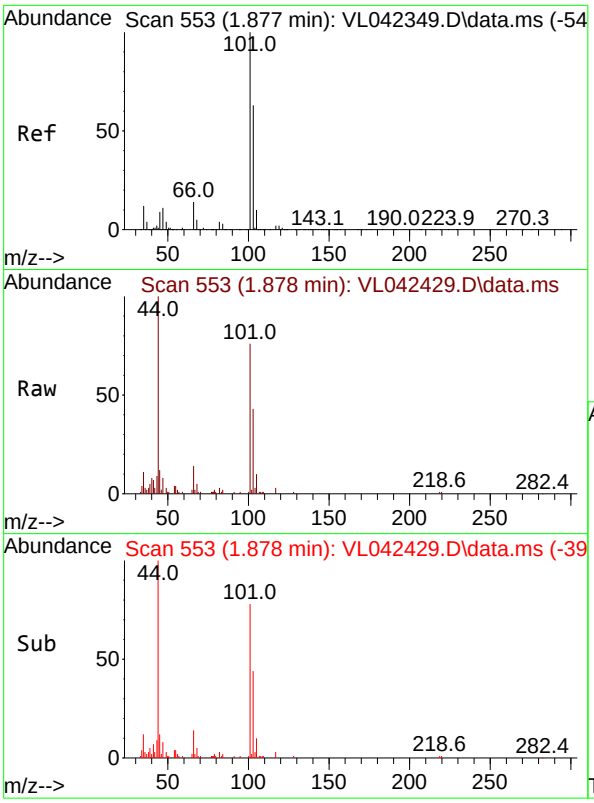


#9
Propene
Concen: 0.476 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.136 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 41 Resp: 4604

Ion	Ratio	Lower	Upper
41	100		
42	76.1	56.2	84.4



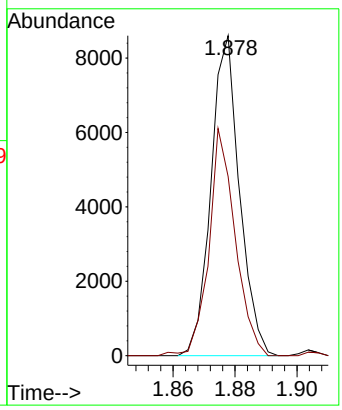


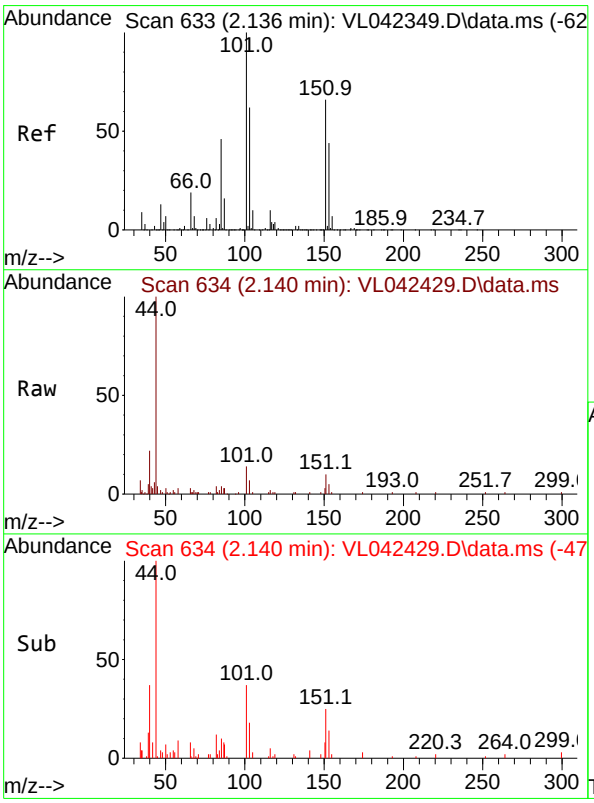
#11
Trichlorofluoromethane
Concen: 0.260 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion:101 Resp: 5511

Ion	Ratio	Lower	Upper
101	100		
103	56.0	50.1	75.1

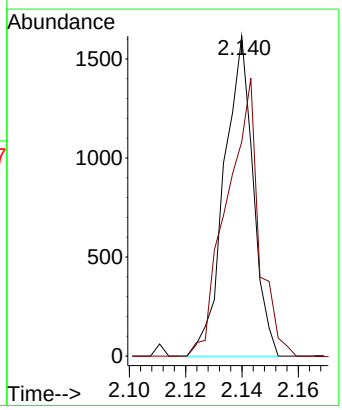


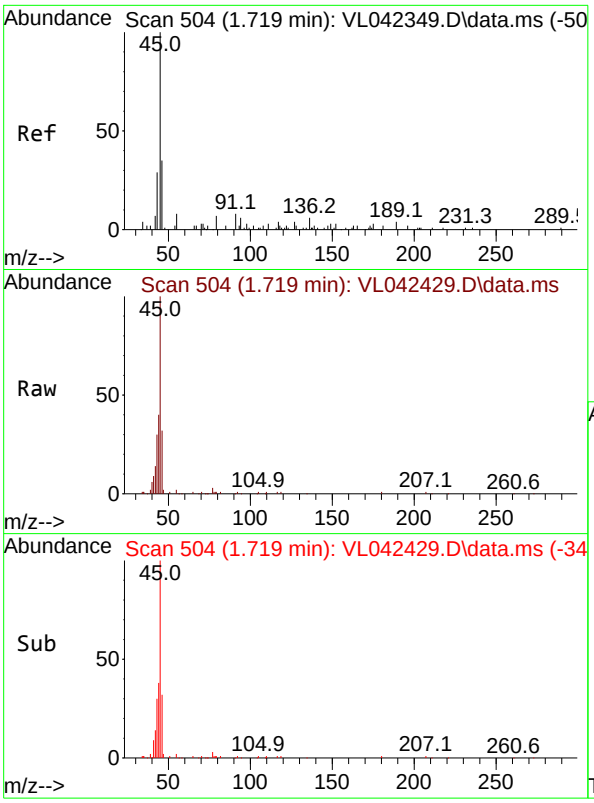


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:101 Resp: 1147

Ion	Ratio	Lower	Upper
101	100		
151	96.7	57.0	85.6#



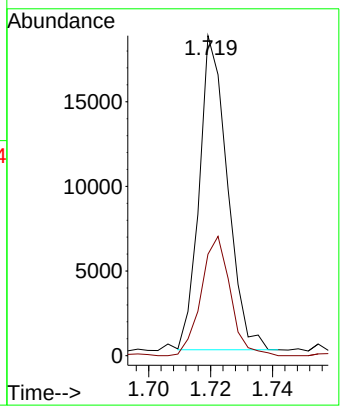


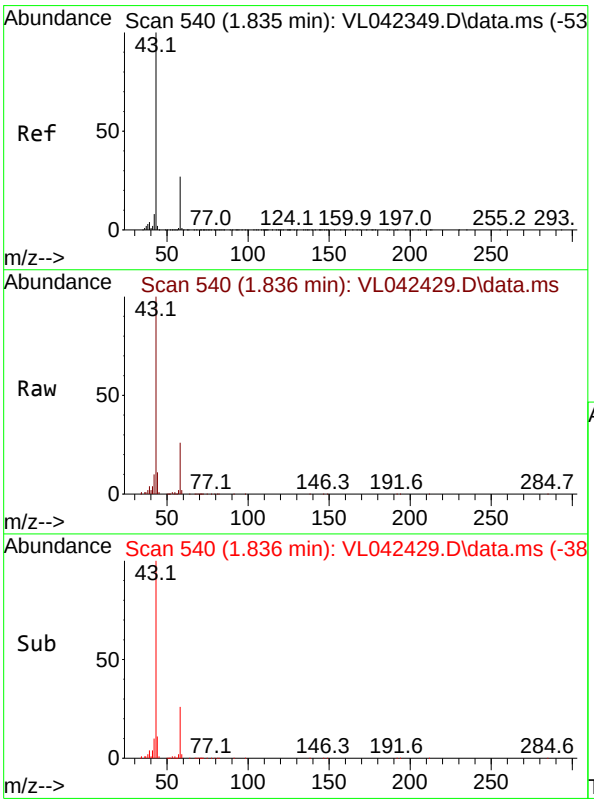
#13
Ethanol
Concen: 7.588 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 45 Resp: 11666

Ion	Ratio	Lower	Upper
45	100		
46	0.0	21.9	87.7#

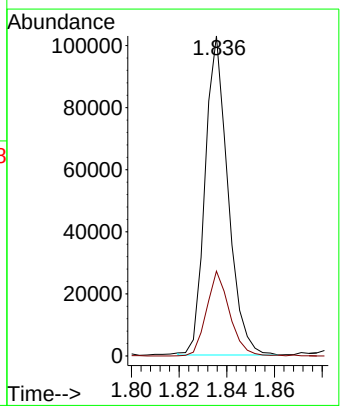


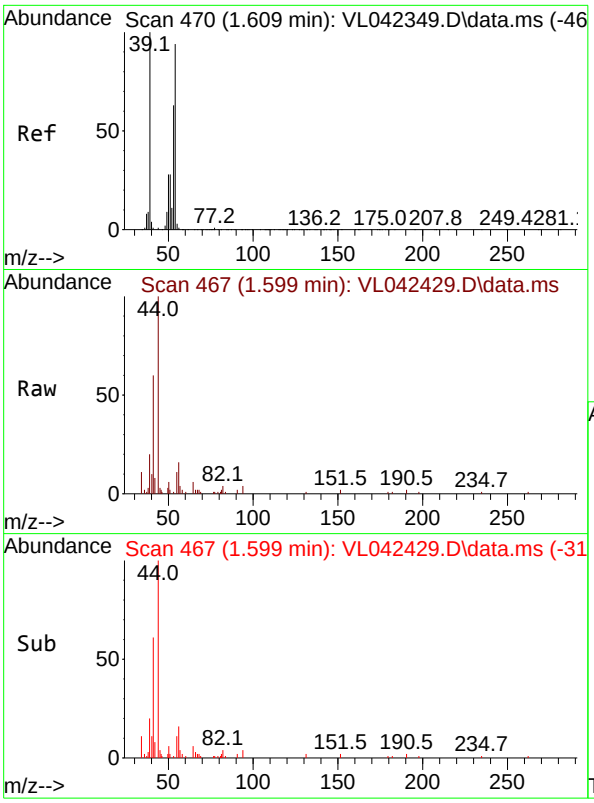


#15
Acetone
Concen: 3.312 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 43 Resp: 68450

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6



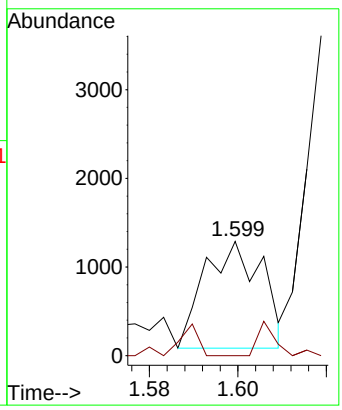


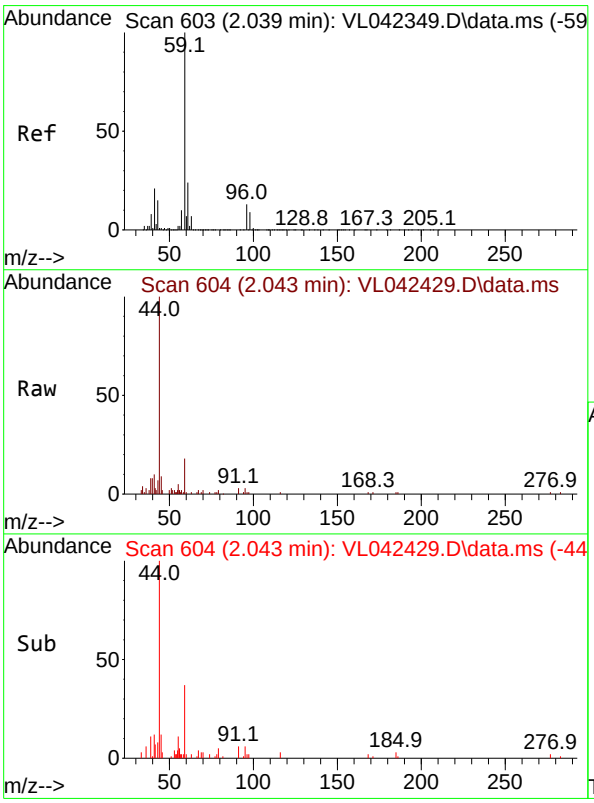
#16
1,3-Butadiene
Concen: 0.110 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.009 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 39 Resp: 1088

Ion	Ratio	Lower	Upper
39	100		
54	15.1	64.9	97.3#

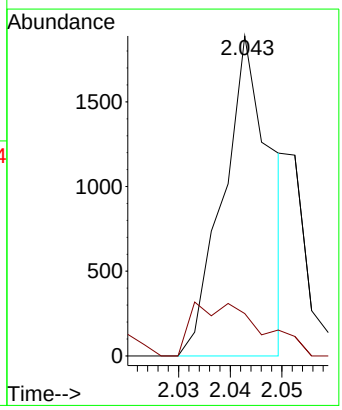


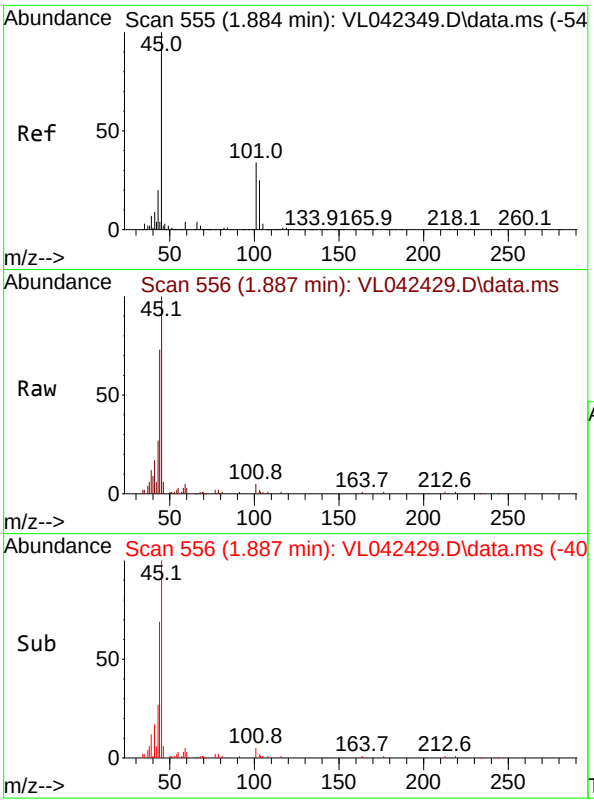


#17
tert-Butyl alcohol
Concen: 0.047 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 59 Resp: 1212

Ion	Ratio	Lower	Upper
59	100		
57	31.9	8.7	13.1#



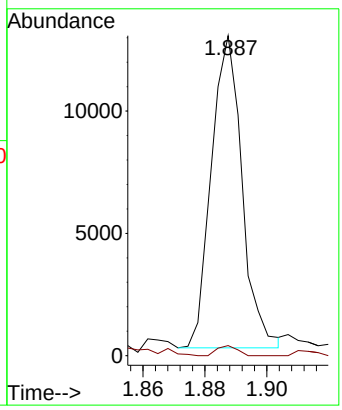


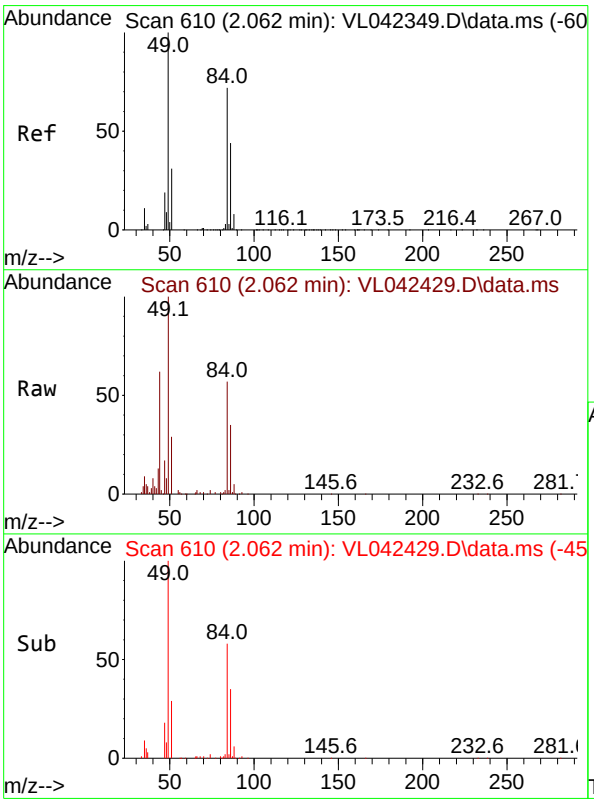
#19
Isopropyl Alcohol
Concen: 0.765 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 45 Resp: 8781

Ion	Ratio	Lower	Upper
45	100		
58	210.2	34.5	51.7#

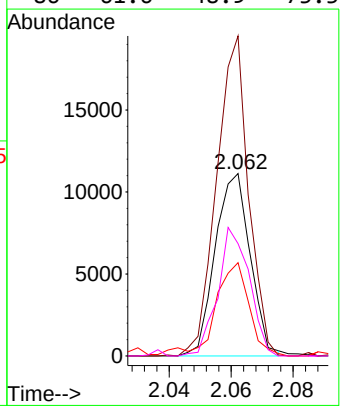


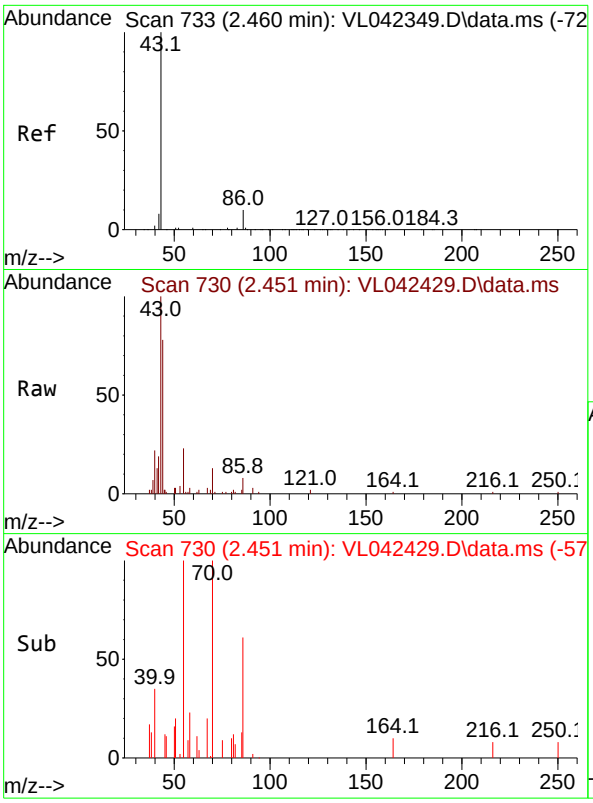


#20
Methylene Chloride
Concen: 1.077 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 84 Resp: 8715

Ion	Ratio	Lower	Upper
84	100		
49	175.4	111.6	167.4#
51	49.7	35.1	52.7
86	61.6	48.9	73.3



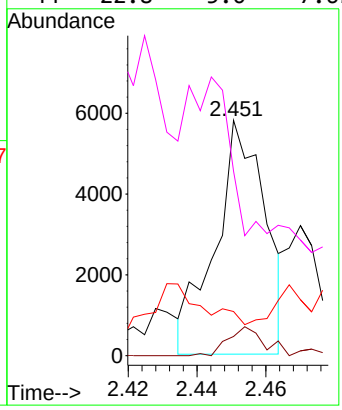


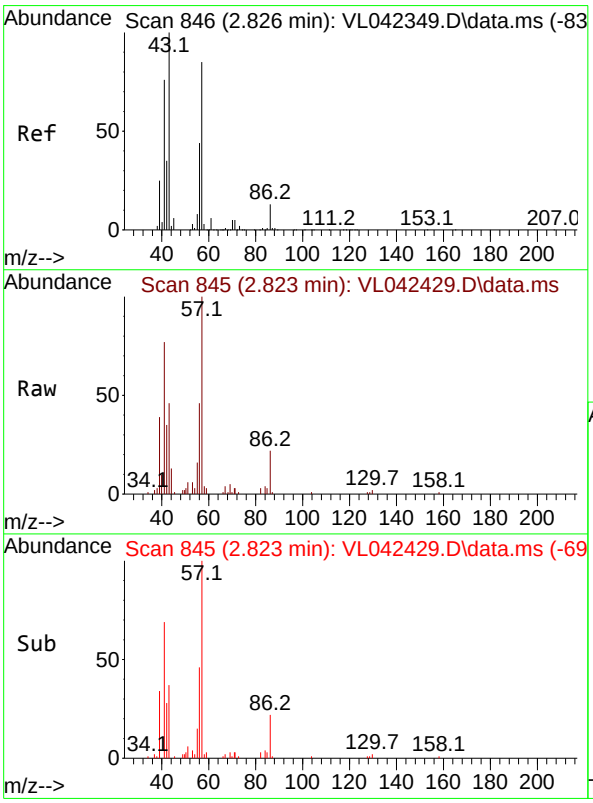
#23
Vinyl Acetate
Concen: 0.695 ppbv
RT: 2.451 min Scan# 7
Delta R.T. -0.009 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 43 Resp: 5810

Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.5	9.7
42	0.0	7.8	11.8#
44	22.8	5.0	7.6#

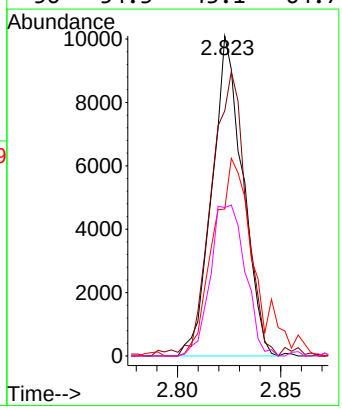


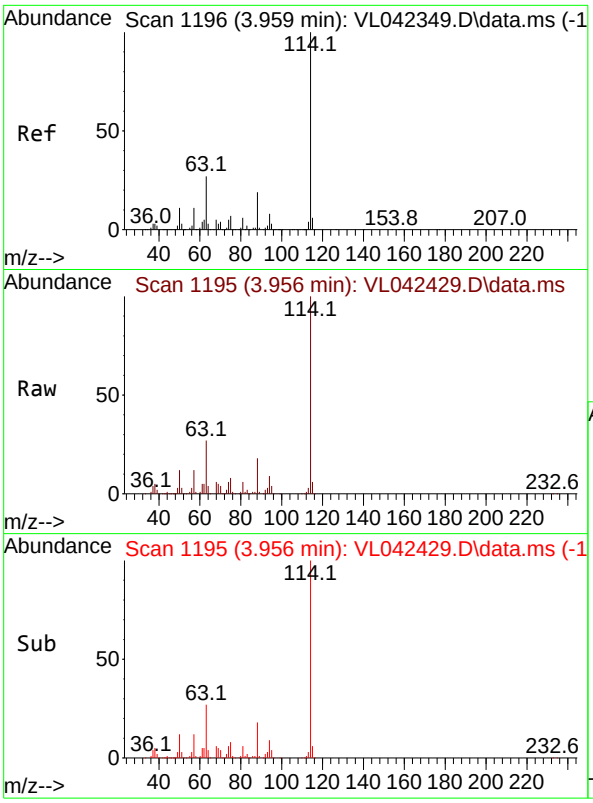


#26
Hexane
Concen: 0.506 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 57 Resp: 10435

Ion	Ratio	Lower	Upper
57	100		
41	102.3	77.9	116.9
43	83.9	208.4	312.6#
56	54.3	43.1	64.7



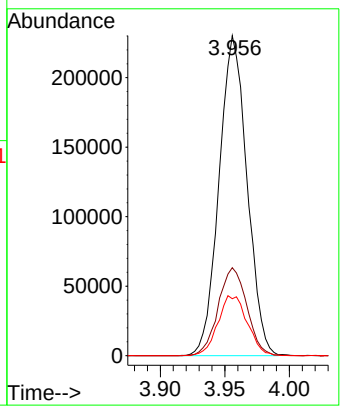


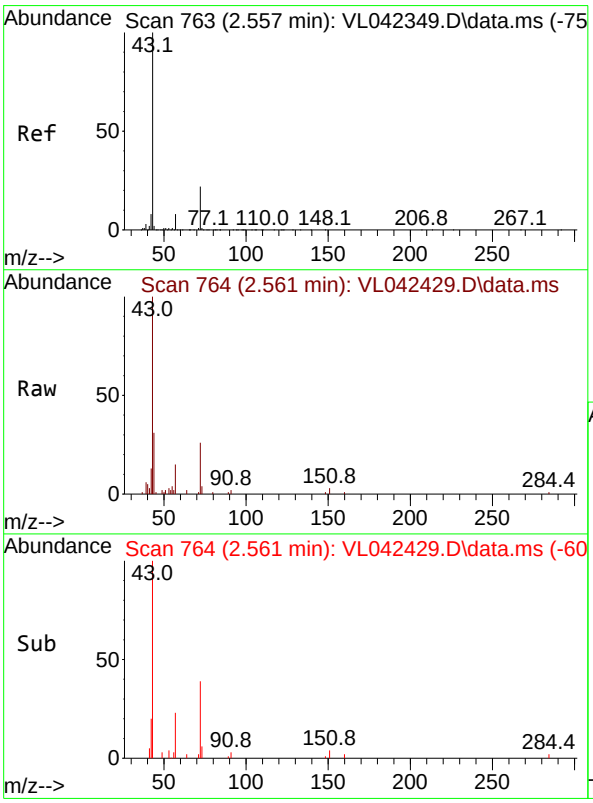
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion:114 Resp: 347099

Ion	Ratio	Lower	Upper
114	100		
63	28.2	21.8	32.6
88	19.7	15.5	23.3

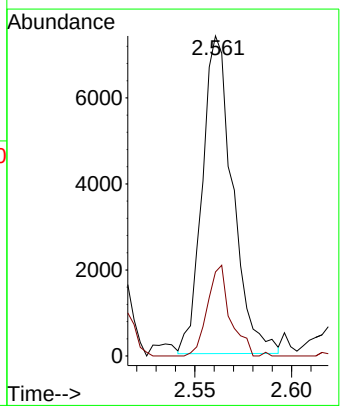


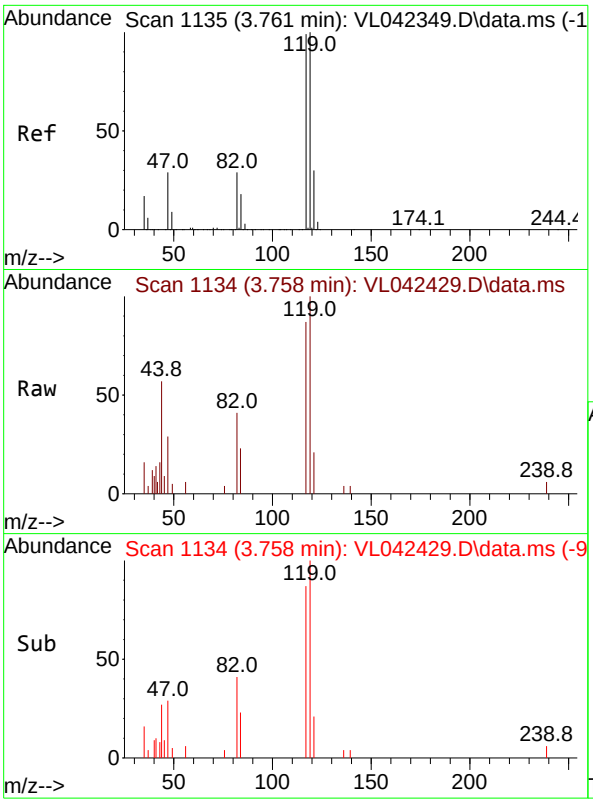


#34
2-Butanone
Concen: 0.294 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 43 Resp: 8080

Ion	Ratio	Lower	Upper
43	100		
72	21.5	18.2	27.2



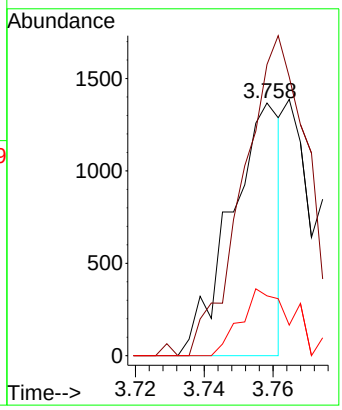


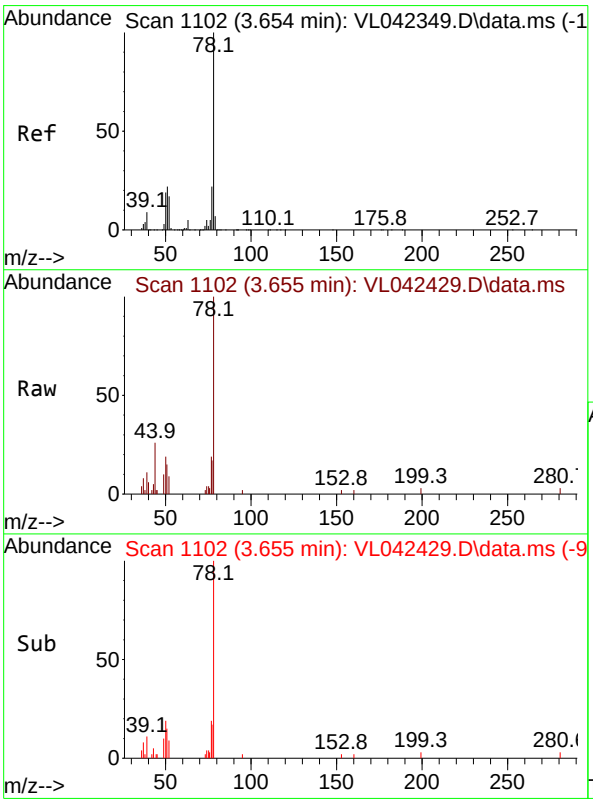
#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 3.758 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion:117 Resp: 1361

Ion	Ratio	Lower	Upper
117	100		
119	115.3	80.5	120.7
121	23.7	24.2	36.2#

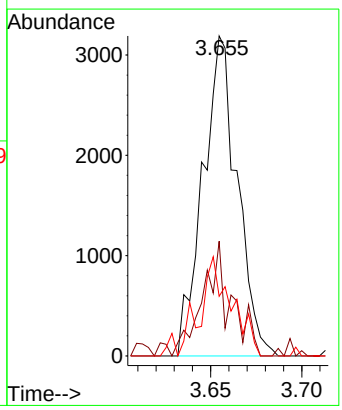


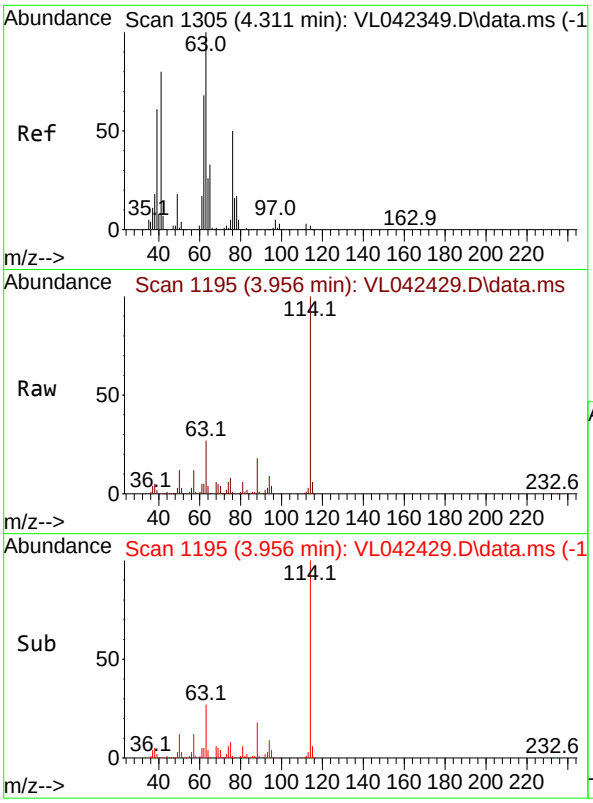


#36
Benzene
Concen: 0.112 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 78 Resp: 4175

Ion	Ratio	Lower	Upper
78	100		
77	33.5	17.4	26.0#
50	33.6	15.5	23.3#



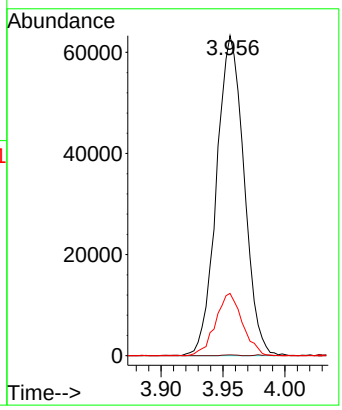


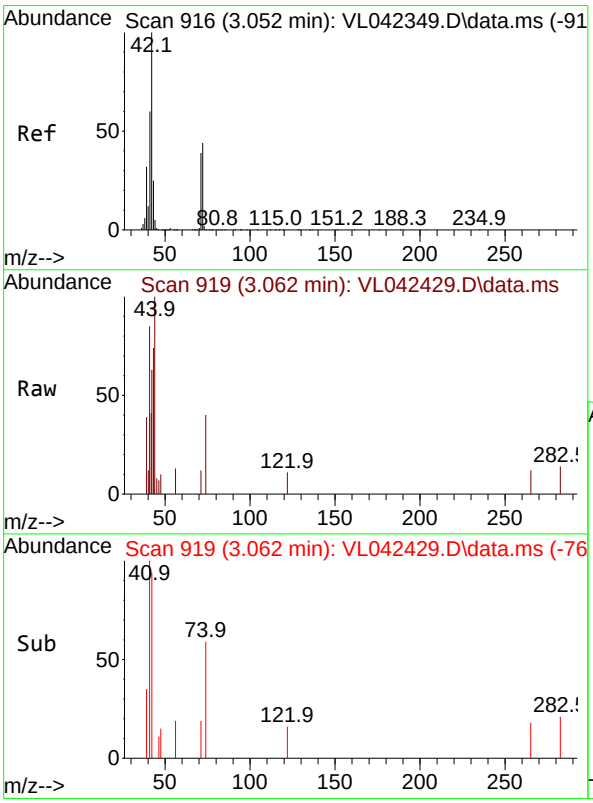
#39
1,2-Dichloropropane
Concen: 7.005 ppbv
RT: 3.956 min Scan# 11
Delta R.T. -0.356 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 63 Resp: 97726

Ion	Ratio	Lower	Upper
63	100		
41	0.1	64.2	96.2#
62	19.5	54.3	81.5#

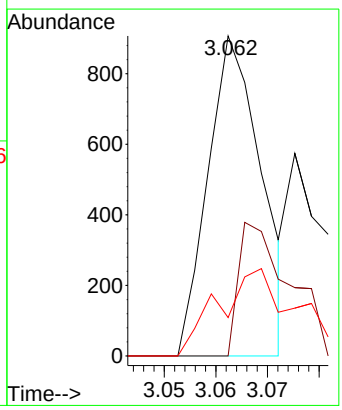


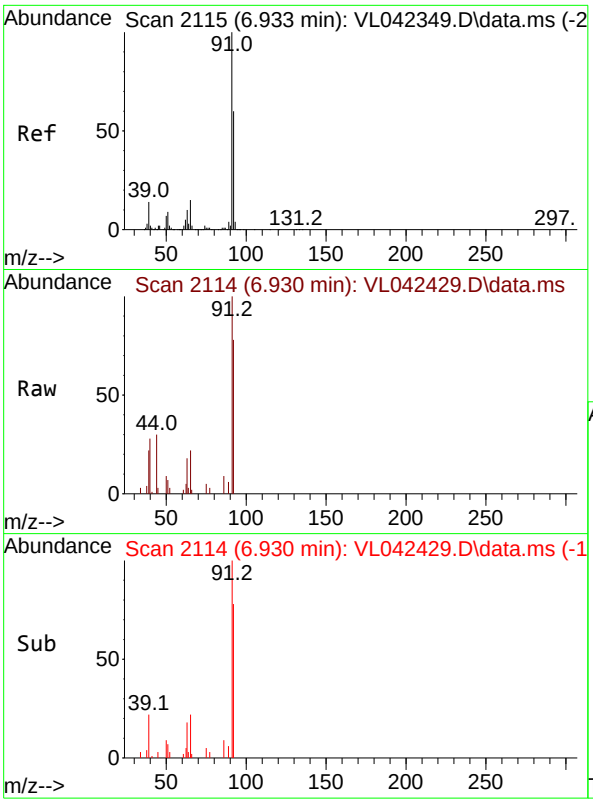


#41
Tetrahydrofuran
Concen: 0.041 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 42 Resp: 653

Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.3	48.5
71	41.7	31.4	47.2



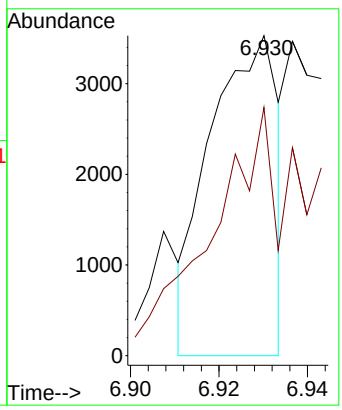


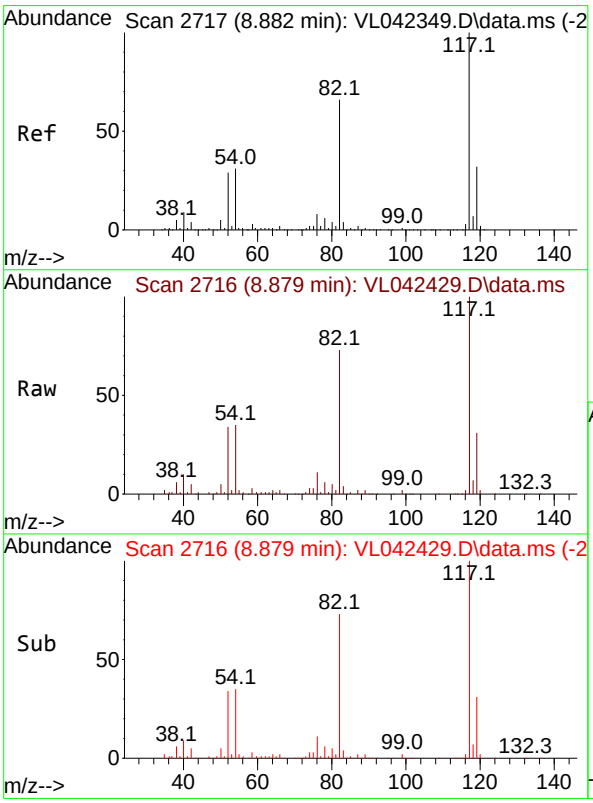
#53
Toluene
Concen: 0.084 ppbv
RT: 6.930 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 91 Resp: 3755

Ion	Ratio	Lower	Upper
91	100		
92	122.1	48.2	72.4#

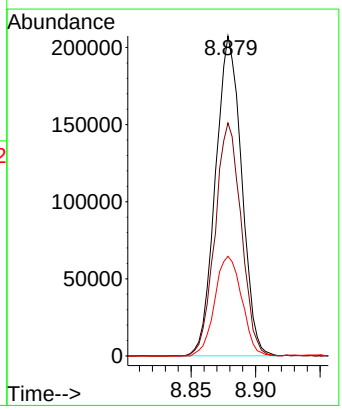


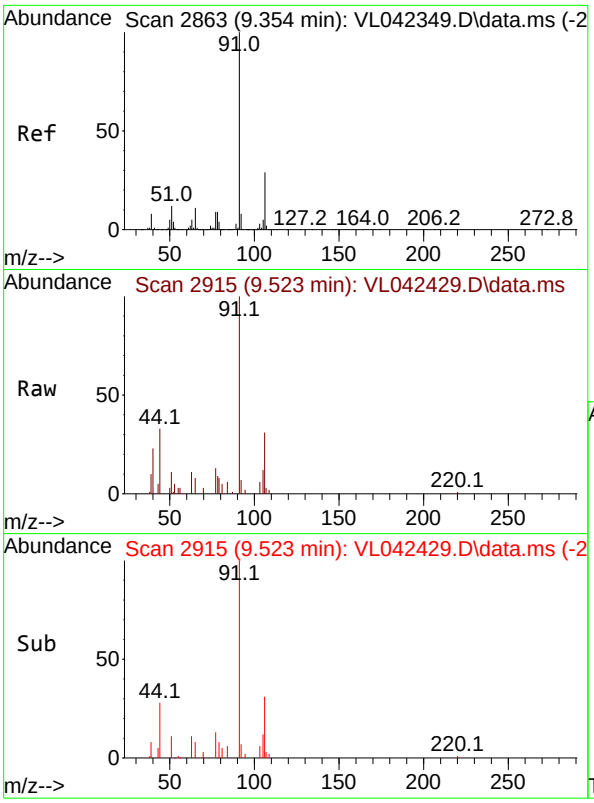


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:117 Resp: 291241

Ion	Ratio	Lower	Upper
117	100		
82	73.3	57.8	86.6
119	32.3	25.2	37.8



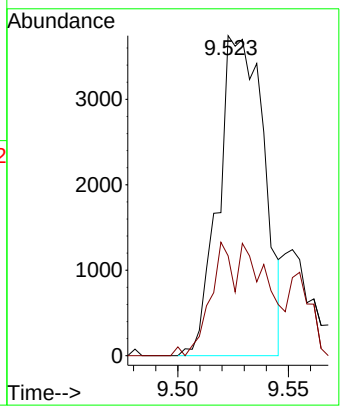


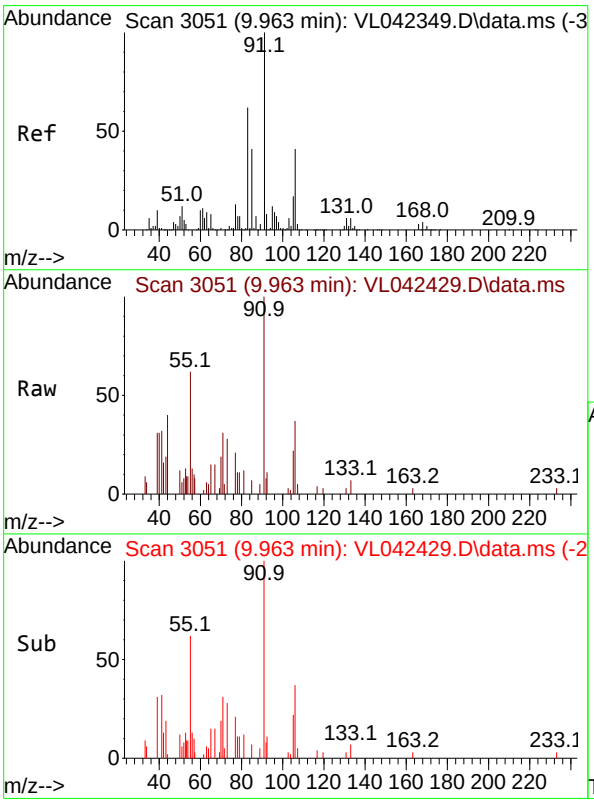
#58
Ethyl Benzene
Concen: 0.093 ppbv
RT: 9.523 min Scan# 2
Delta R.T. 0.169 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 91 Resp: 5348

Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.0	34.4

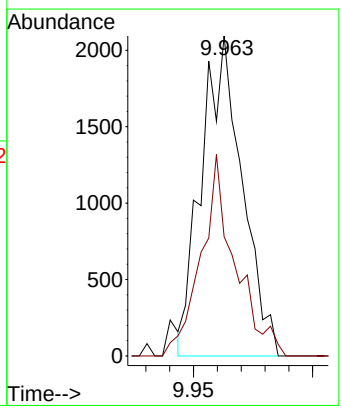


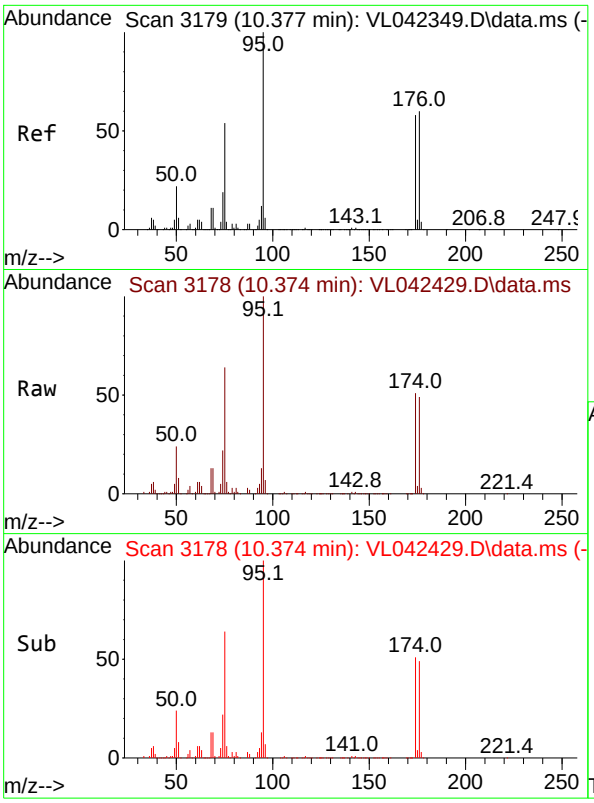


#60
o-Xylene
Concen: 0.053 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion: 91 Resp: 2489

Ion	Ratio	Lower	Upper
91	100		
106	52.3	21.1	63.4



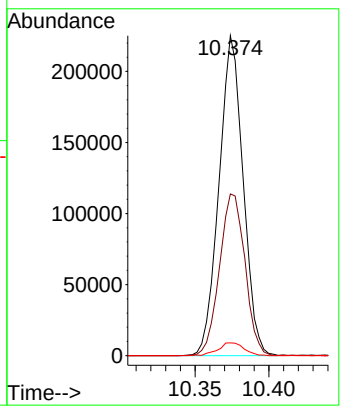


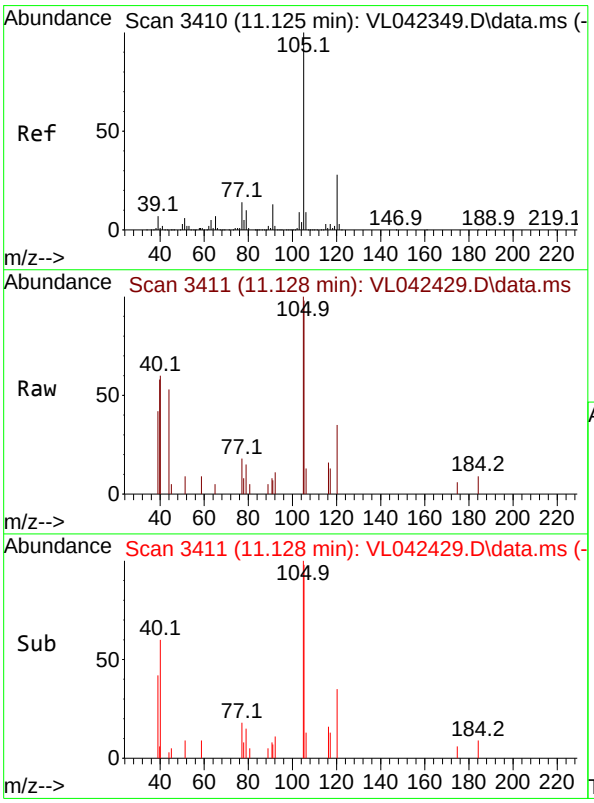
#68
1-Bromo-4-Fluorobenzene
Concen: 10.693 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion: 95 Resp: 255913

Ion	Ratio	Lower	Upper
95	100		
174	53.6	48.5	72.7
175	4.4	3.7	5.5

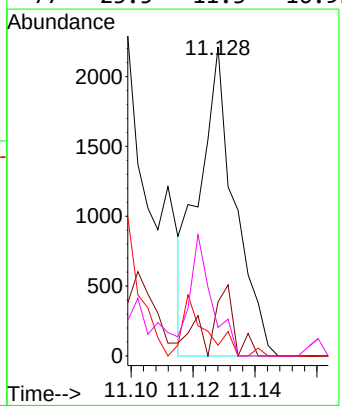


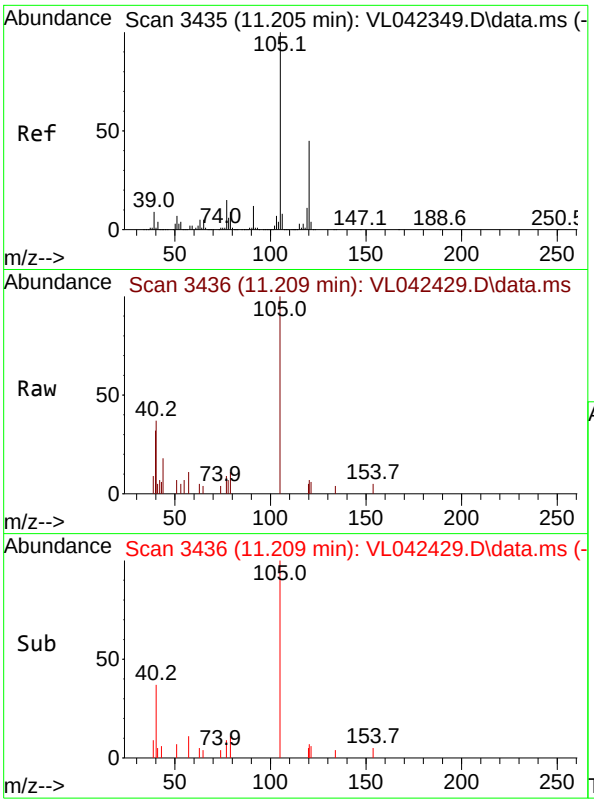


#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:105 Resp: 1787

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	0.0	10.4	15.6#
77	23.5	11.3	16.9#



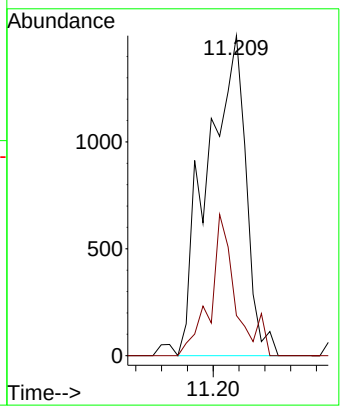


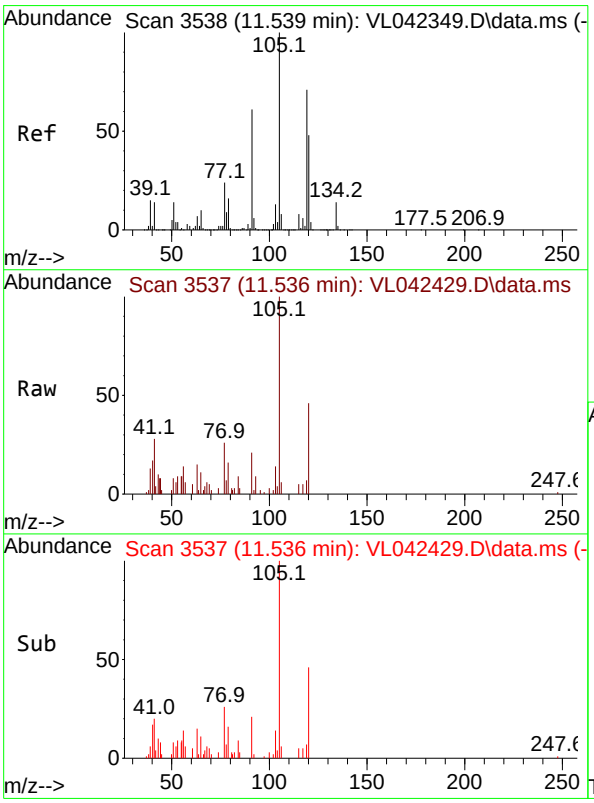
#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 11.209 min Scan# 3
Delta R.T. 0.004 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA01-20250422

Tgt Ion:105 Resp: 1554

Ion	Ratio	Lower	Upper
105	100		
120	12.6	35.6	53.4#

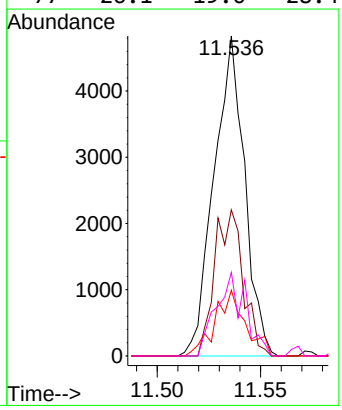




#74
1,2,4-Trimethylbenzene
Concen: 0.084 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042429.D
Acq: 28 Apr 2025 16:50

Tgt Ion:105 Resp: 4974

Ion	Ratio	Lower	Upper
105	100		
120	45.7	38.1	57.1
91	20.5	48.8	73.2#
77	26.1	19.0	28.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042431.D
Acq On : 28 Apr 2025 18:00
Operator : SY/MD
Sample : Q1880-01
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Quant Time: Apr 29 01:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	121052	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	332477	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	283703	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	254492	10.916	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	25608	1.197	ppbv		97
3) Chlorodifluoromethane	1.431	51	214569	10.536	ppbv	#	58
4) Chloromethane	1.525	50	13815	1.632	ppbv	#	46
5) Vinyl Chloride	1.577	62	454	0.049	ppbv	#	56
6) Bromomethane	1.664	94	233	0.059	ppbv		99
7) Chloroethane	1.525	64	55054	16.523	ppbv		95
8) Dichlorotetrafluoroethane	1.525	85	78146	4.256	ppbv	#	18
9) Propene	1.486	41	30866	3.328	ppbv	#	75
10) Heptane	4.975	43	1636	0.063	ppbv	#	1
11) Trichlorofluoromethane	1.874	101	28003	1.377	ppbv		93
12) 1,1,2-Trichlorotrifluo...	2.140	101	1706	0.103	ppbv		98
13) Ethanol	1.719	45	111200	75.431	ppbv		75
15) Acetone	1.832	43	2162315	109.117	ppbv	#	74
16) 1,3-Butadiene	1.599	39	29586	3.122	ppbv	#	18
17) tert-Butyl alcohol	2.043	59	36864	1.501	ppbv	#	89
19) Isopropyl Alcohol	1.887	45	55931	5.081	ppbv	#	33
20) Methylene Chloride	2.059	84	3153	0.406	ppbv	#	75
21) Allyl Chloride	2.039	41	9926	0.725	ppbv	#	21
23) Vinyl Acetate	2.450	43	9528	1.188	ppbv	#	37
24) 1,1-Dichloroethane	2.412	63	1987	0.118	ppbv	#	88
25) Ethyl Acetate	2.823	43	9993	0.205	ppbv	#	82
26) Hexane	2.826	57	13247	0.670	ppbv	#	38
27) Carbon Disulfide	2.149	76	100277	4.737	ppbv		96
28) Methyl tert-Butyl Ether	2.434	73	486	0.038	ppbv	#	48
29) Chloroform	2.849	83	12986	0.465	ppbv		97
30) Cyclohexane	3.852	84	561	0.035	ppbv	#	1
31) cis-1,2-Dichloroethene	2.855	61	672	0.036	ppbv	#	25
34) 2-Butanone	2.554	43	292727	11.133	ppbv		100
35) Carbon Tetrachloride	3.755	117	1037	0.034	ppbv	#	51
36) Benzene	3.655	78	16576	0.462	ppbv	#	91
38) Trichloroethene	4.548	130	5912	0.377	ppbv	#	90
39) 1,2-Dichloropropane	3.959	63	37260	2.788	ppbv	#	24
41) Tetrahydrofuran	3.056	42	49472	3.227	ppbv	#	50
50) 4-Methyl-2-Pentanone	5.755	43	3910	0.089	ppbv	#	39
51) 2-Hexanone	7.445	43	6910	0.176	ppbv	#	82
52) Tetrachloroethene	8.225	164	5442	0.393	ppbv	#	83
53) Toluene	6.930	91	38616	0.897	ppbv		97
58) Ethyl Benzene	9.351	91	3620	0.064	ppbv		90
59) m/p-Xylene	9.555	91	1922	0.042	ppbv	#	32
60) o-Xylene	9.963	91	6441	0.141	ppbv		97
61) Styrene	9.869	104	793	0.036	ppbv	#	60
73) 1,3,5-Trimethylbenzene	11.206	105	1859	0.038	ppbv		94
74) 1,2,4-Trimethylbenzene	11.532	105	5983	0.104	ppbv	#	60

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042431.D
Acq On : 28 Apr 2025 18:00
Operator : SY/MD
Sample : Q1880-01
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Quant Time: Apr 29 01:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

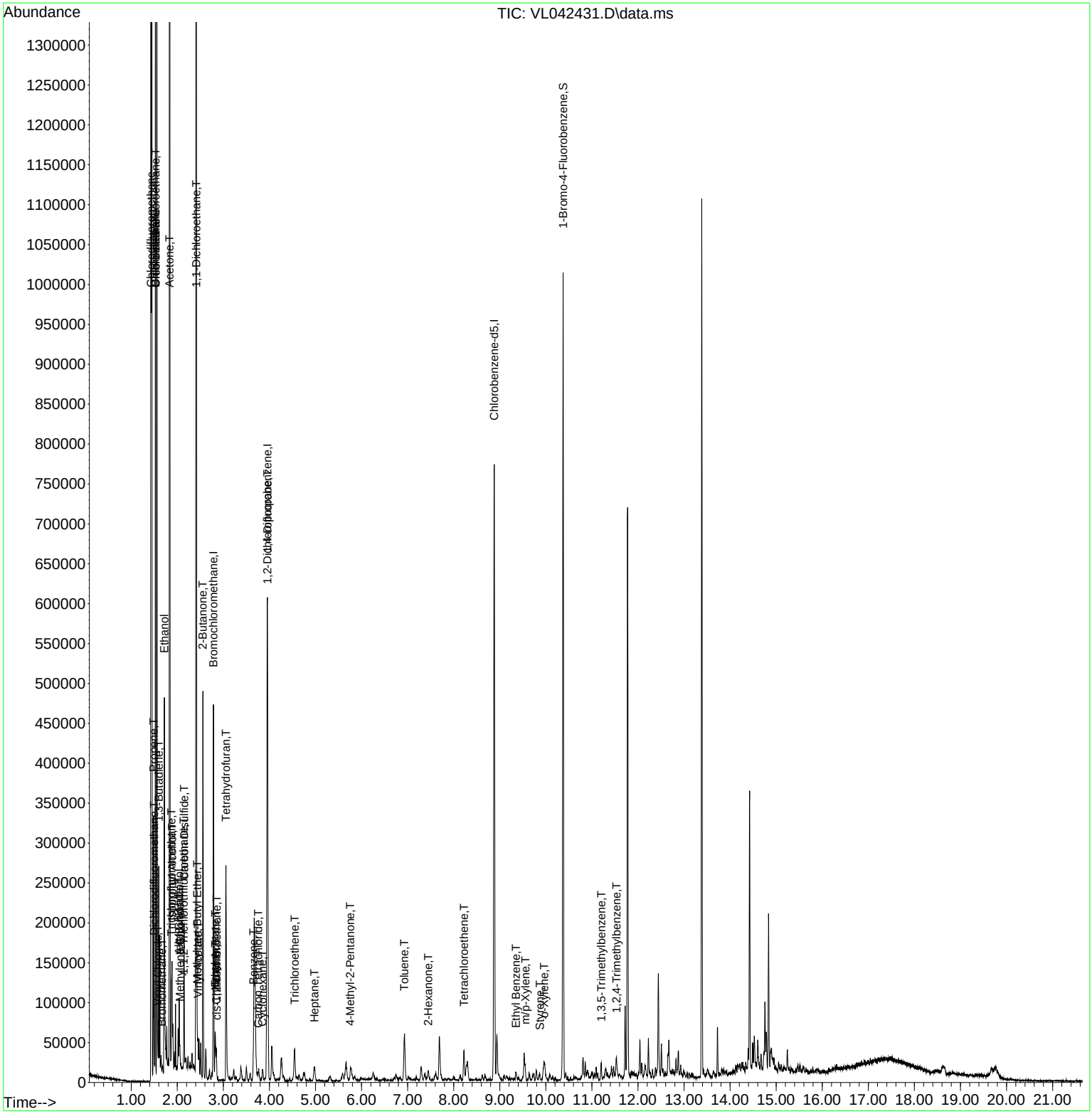
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

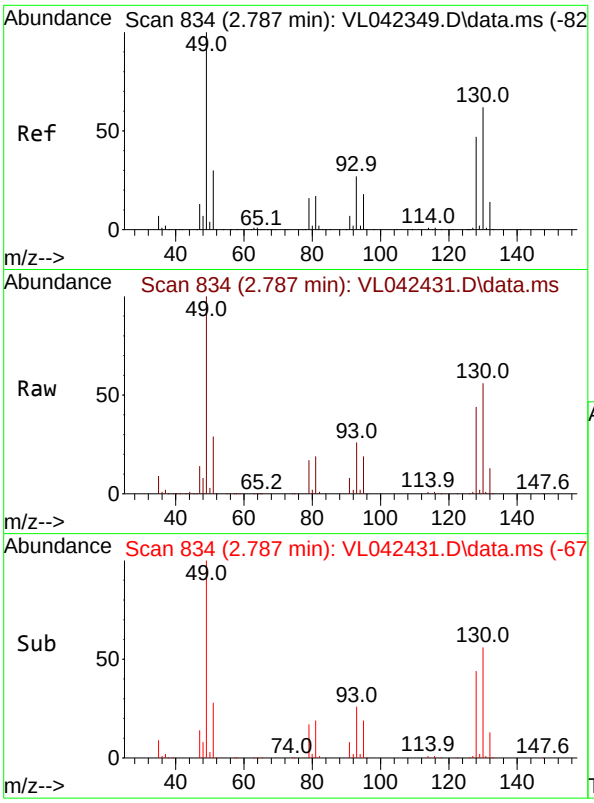
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042431.D
Acq On : 28 Apr 2025 18:00
Operator : SY/MD
Sample : Q1880-01
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Quant Time: Apr 29 01:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



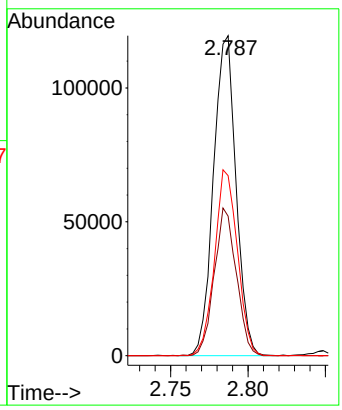


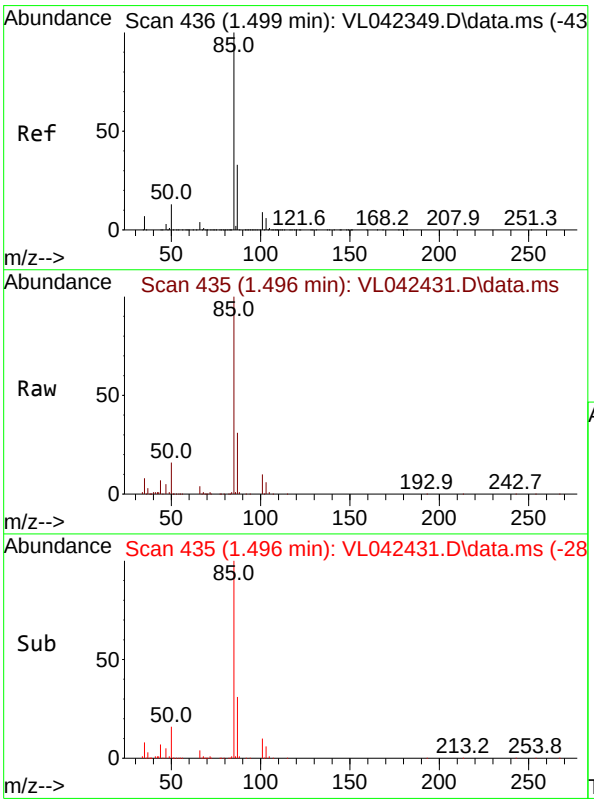
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 49 Resp: 121052

Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.8	68.4
130	58.9	29.3	88.0

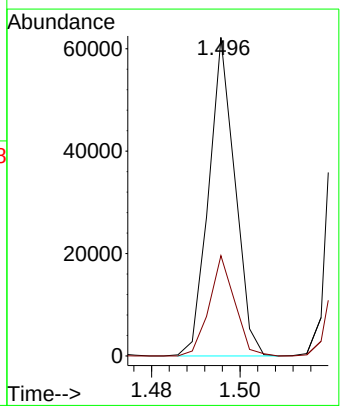


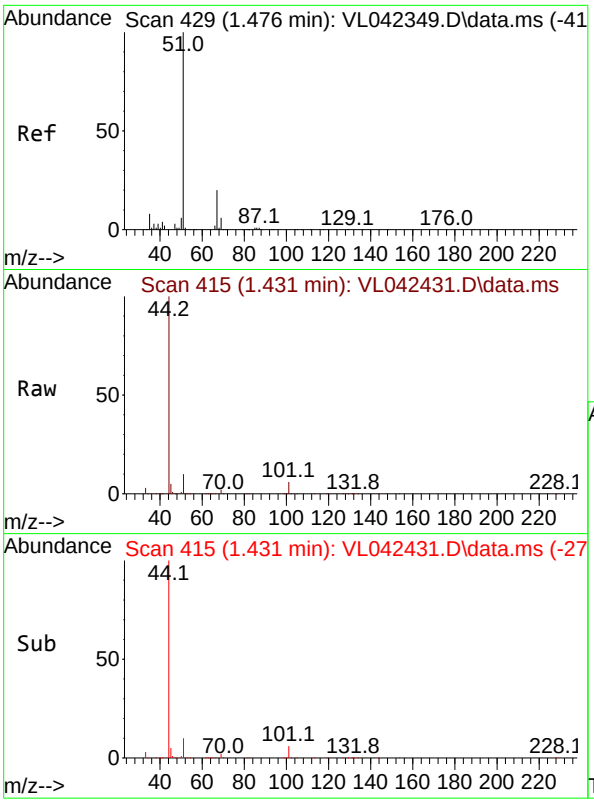


#2
Dichlorodifluoromethane
Concen: 1.197 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 85 Resp: 25608

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.6	39.8



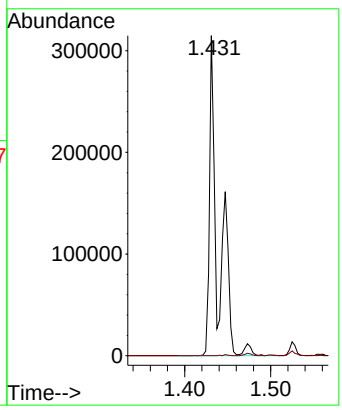


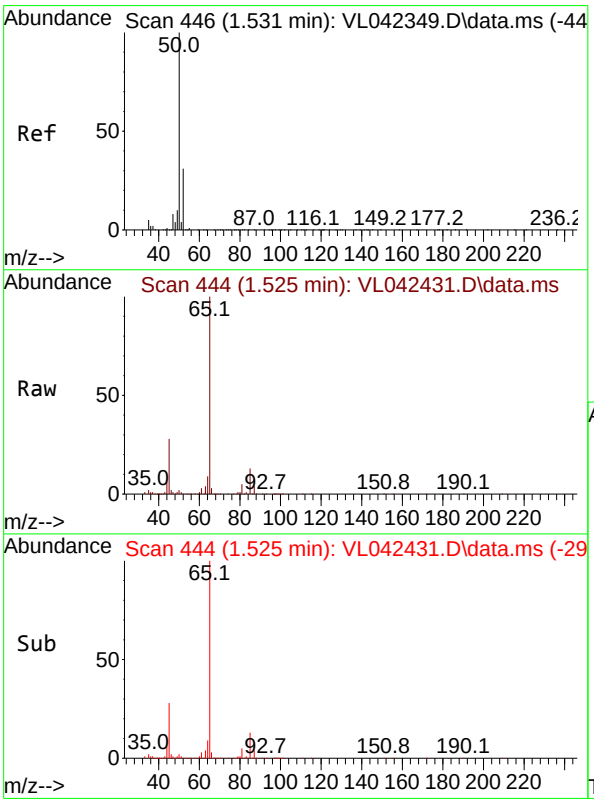
#3
Chlorodifluoromethane
Concen: 10.536 ppbv
RT: 1.431 min Scan# 41
Delta R.T. -0.045 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 51 Resp: 214569

Ion	Ratio	Lower	Upper
51	100		
67	0.8	16.2	24.4#

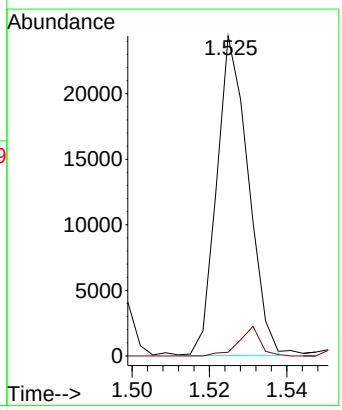


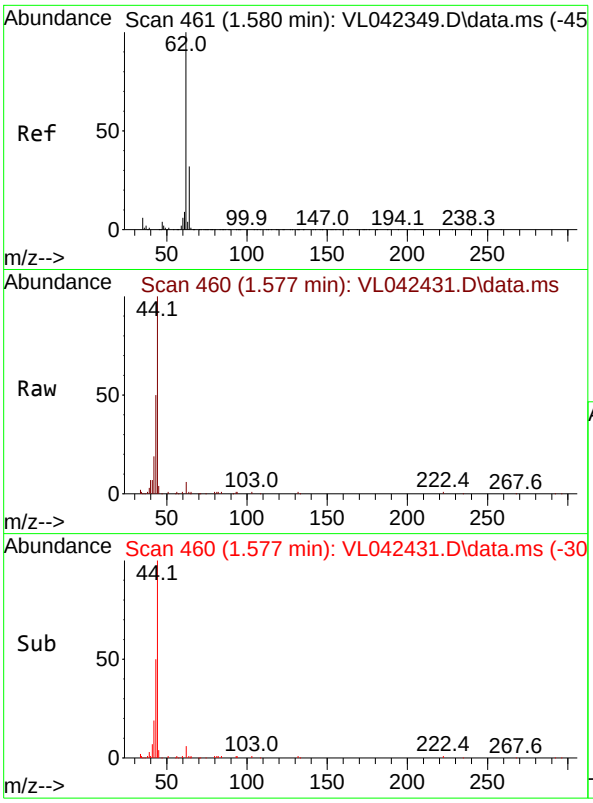


#4
Chloromethane
Concen: 1.632 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 50 Resp: 13815

Ion	Ratio	Lower	Upper
50	100		
52	1.2	24.7	37.1#



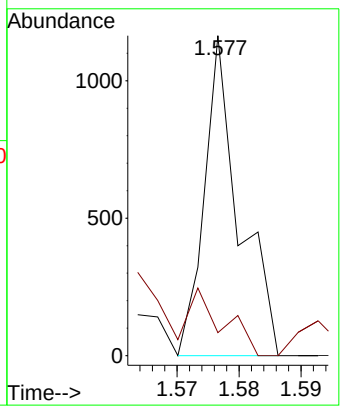


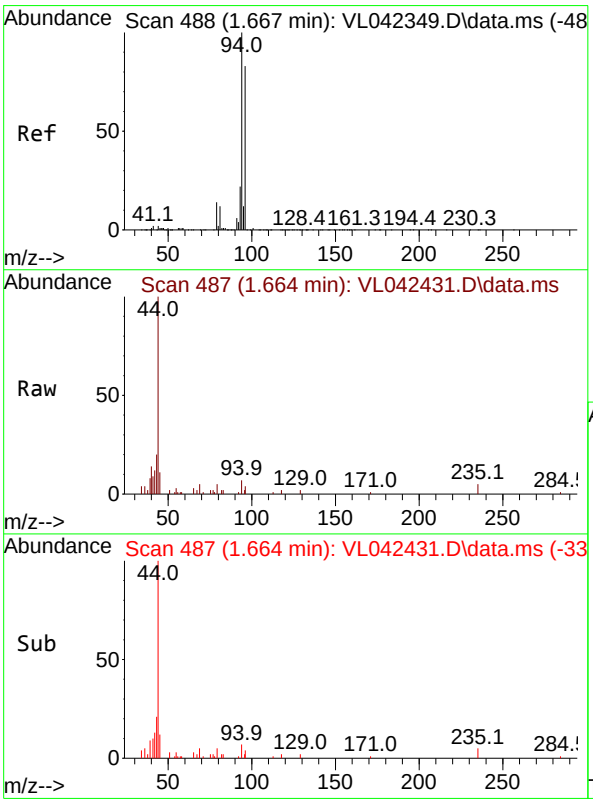
#5
Vinyl Chloride
Concen: 0.049 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 62 Resp: 454

Ion	Ratio	Lower	Upper
62	100		
64	7.2	25.4	38.0#

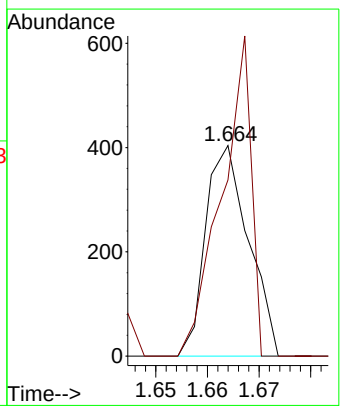


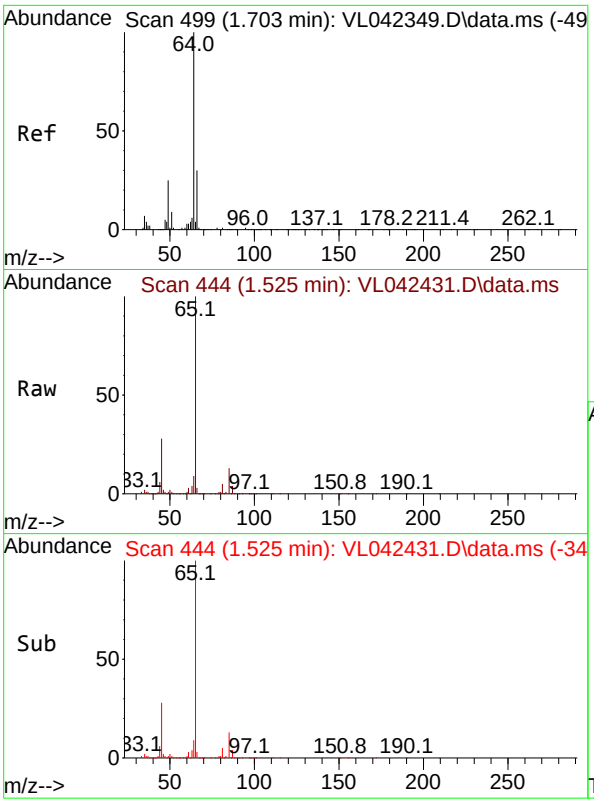


#6
Bromomethane
Concen: 0.059 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 94 Resp: 233

Ion	Ratio	Lower	Upper
94	100		
96	83.7	66.2	99.2



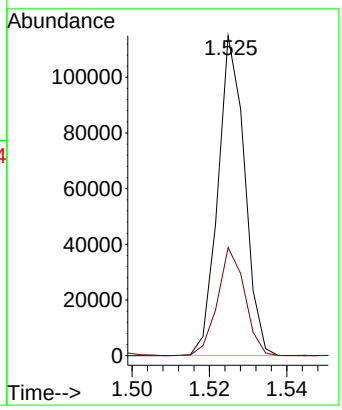


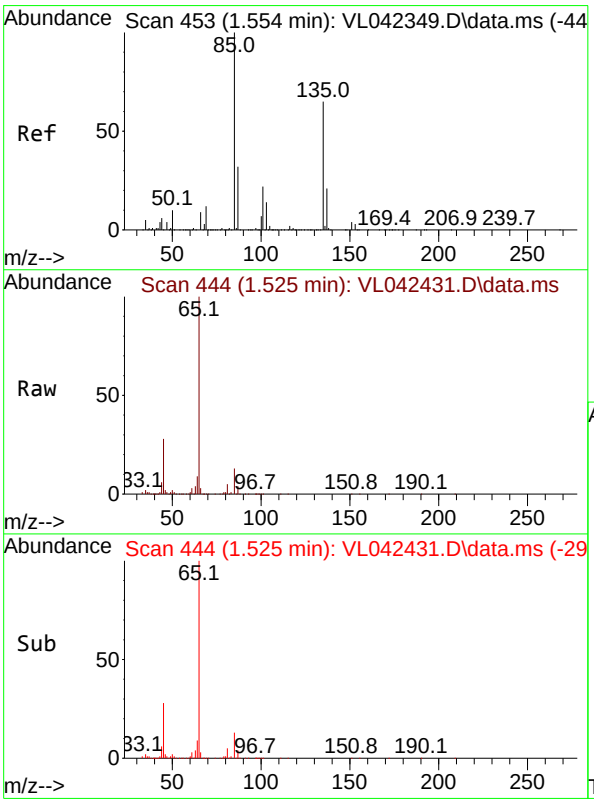
#7
Chloroethane
Concen: 16.523 ppbv
RT: 1.525 min Scan# 44
Delta R.T. -0.178 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 64 Resp: 55054

Ion	Ratio	Lower	Upper
64	100		
66	33.8	24.6	37.0

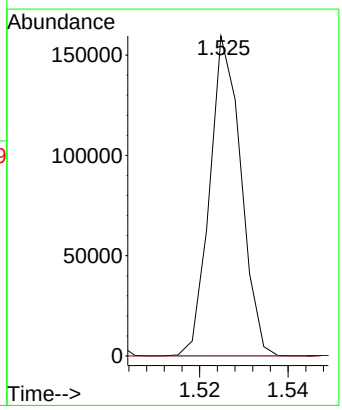


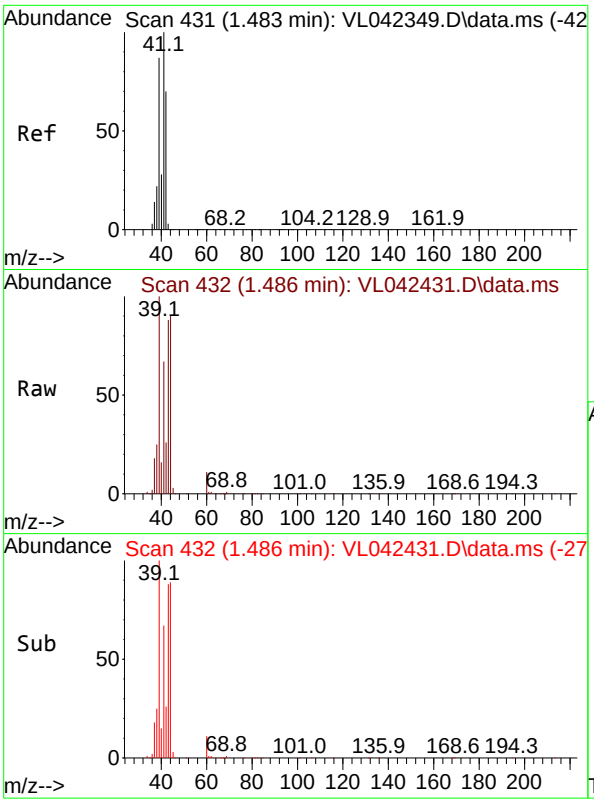


#8
Dichlorotetrafluoroethane
Concen: 4.256 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.029 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 85 Resp: 78146

Ion	Ratio	Lower	Upper
85	100		
135	0.4	52.2	78.2#



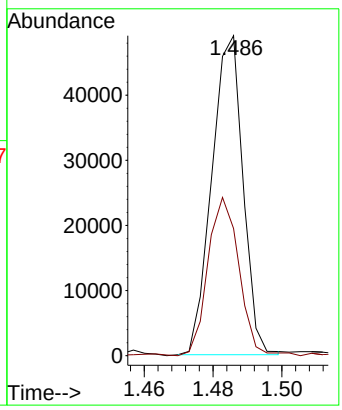


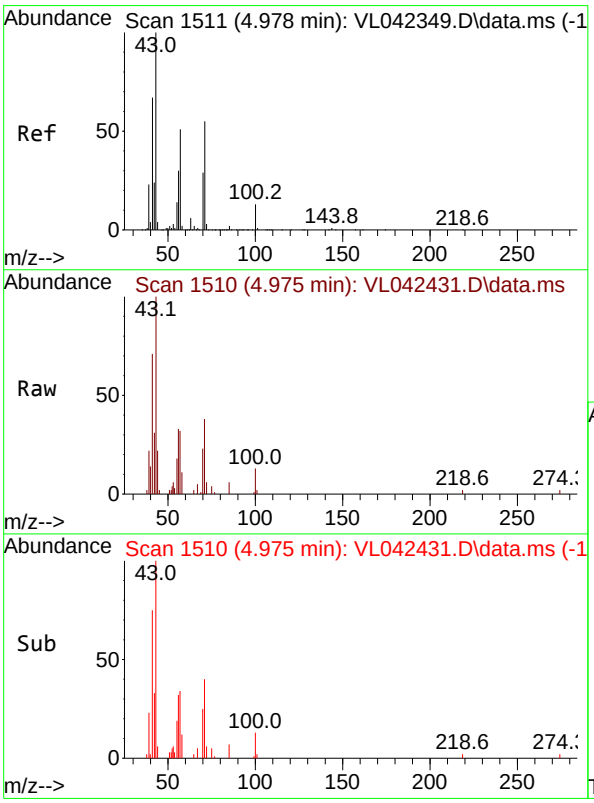
#9
Propene
Concen: 3.328 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 41 Resp: 30866

Ion	Ratio	Lower	Upper
41	100		
42	49.8	56.2	84.4#

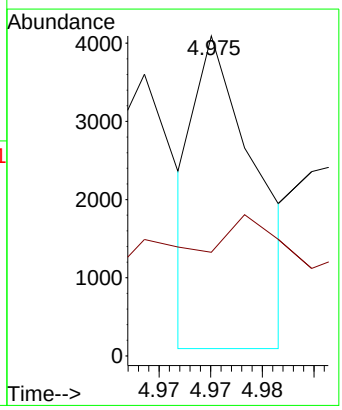


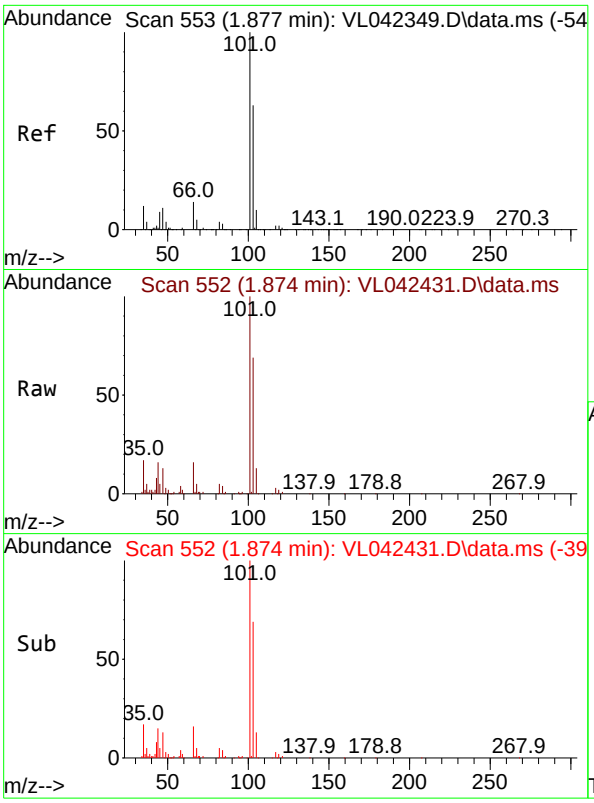


#10
Heptane
Concen: 0.063 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 1636

Ion	Ratio	Lower	Upper
43	100		
57	219.3	39.9	59.9#



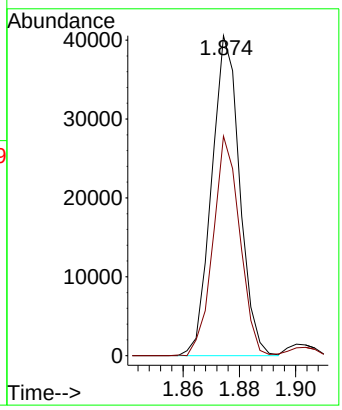


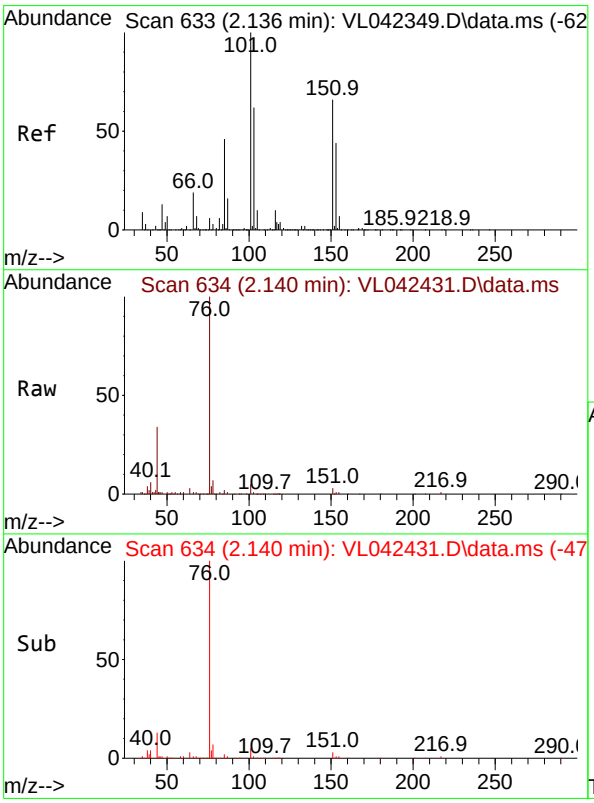
#11
Trichlorofluoromethane
Concen: 1.377 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion:101 Resp: 28003

Ion	Ratio	Lower	Upper
101	100		
103	68.4	50.1	75.1

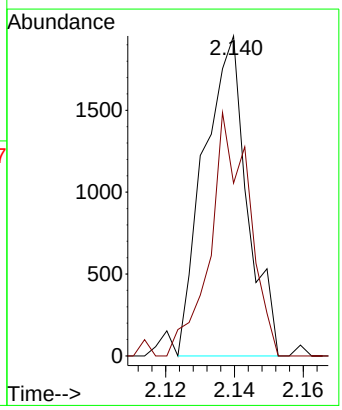


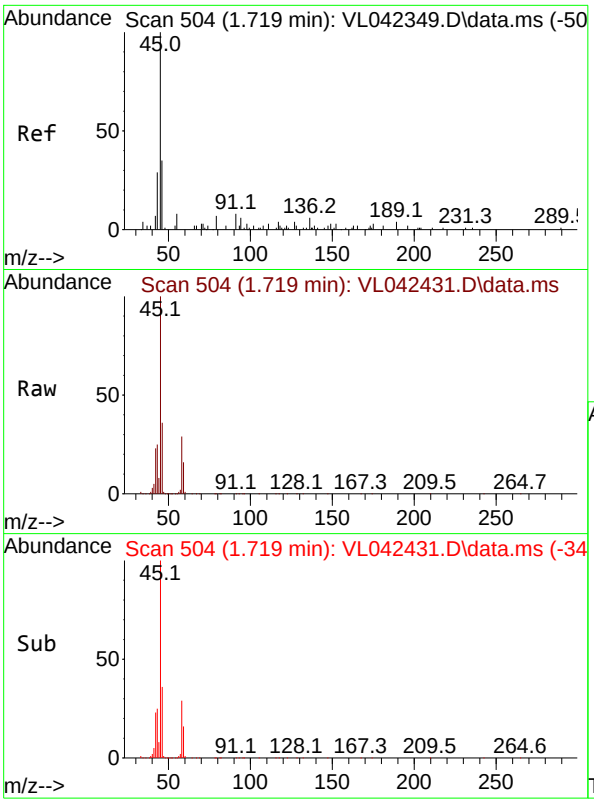


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.103 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:101 Resp: 1706

Ion	Ratio	Lower	Upper
101	100		
151	69.3	57.0	85.6



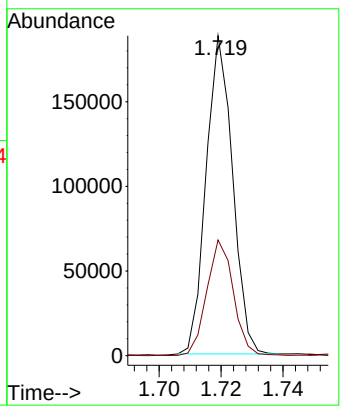


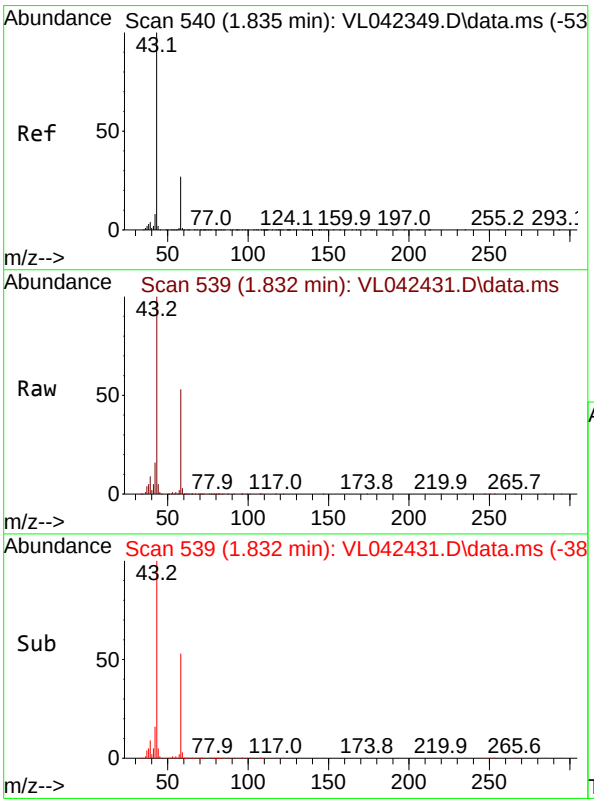
#13
Ethanol
Concen: 75.431 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 45 Resp: 111200

Ion	Ratio	Lower	Upper
45	100		
46	37.0	21.9	87.7

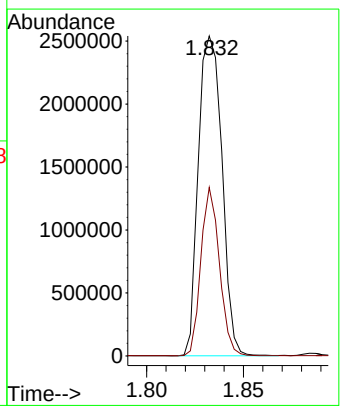


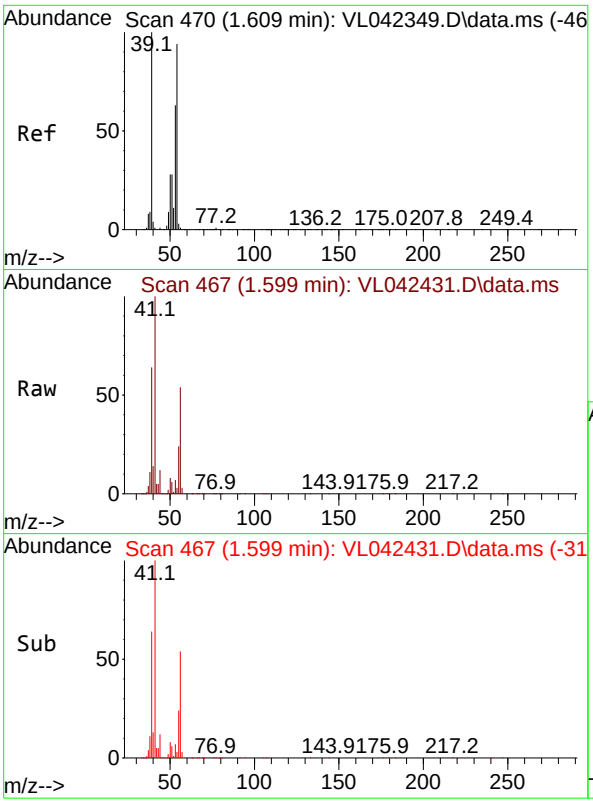


#15
Acetone
Concen: 109.117 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 2162315

Ion	Ratio	Lower	Upper
43	100		
58	41.7	22.4	33.6#



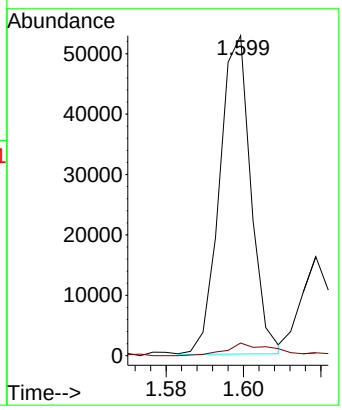


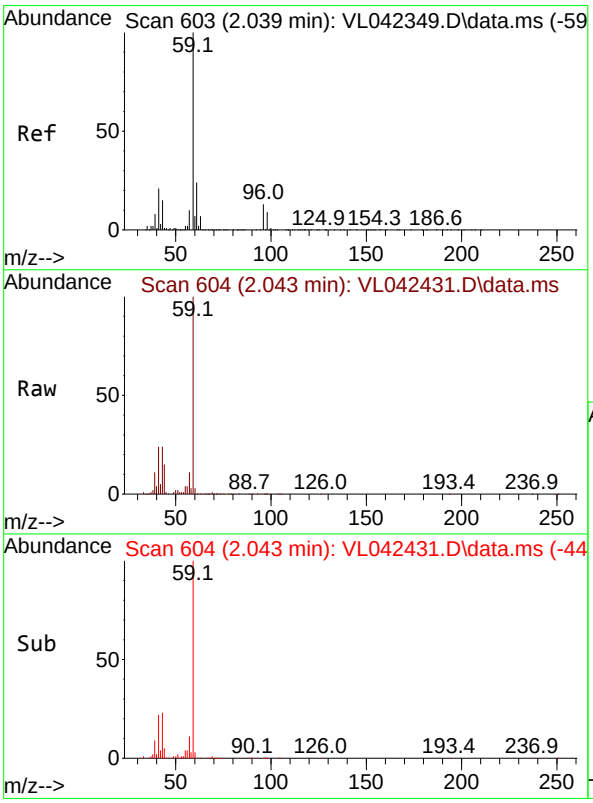
#16
1,3-Butadiene
Concen: 3.122 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 39 Resp: 29586

Ion	Ratio	Lower	Upper
39	100		
54	7.8	64.9	97.3#

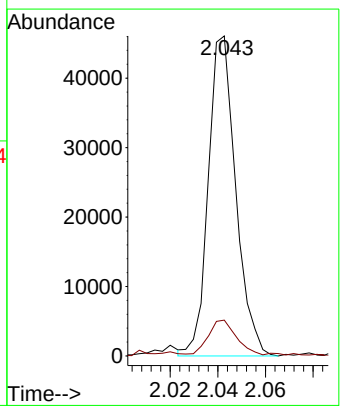


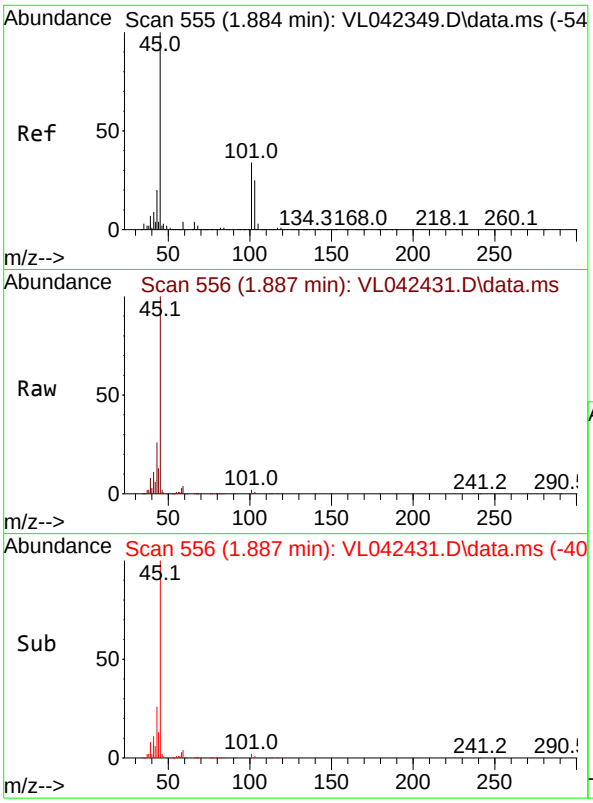


#17
tert-Butyl alcohol
Concen: 1.501 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 59 Resp: 36864

Ion	Ratio	Lower	Upper
59	100		
57	15.1	8.7	13.1#



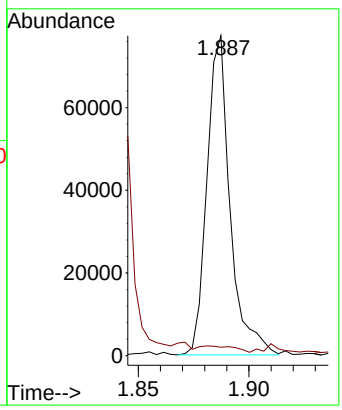


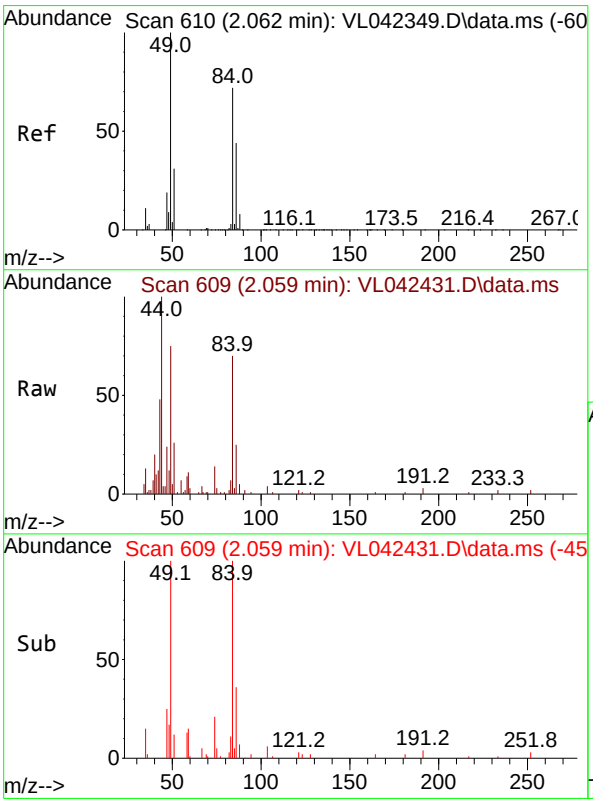
#19
Isopropyl Alcohol
Concen: 5.081 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 45 Resp: 55931

Ion	Ratio	Lower	Upper
45	100		
58	0.0	34.5	51.7#

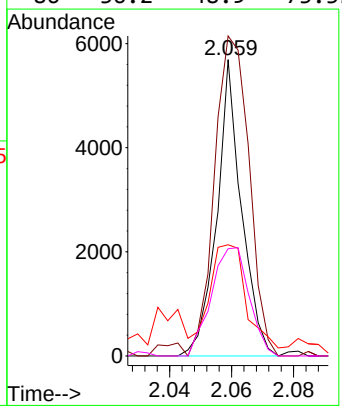


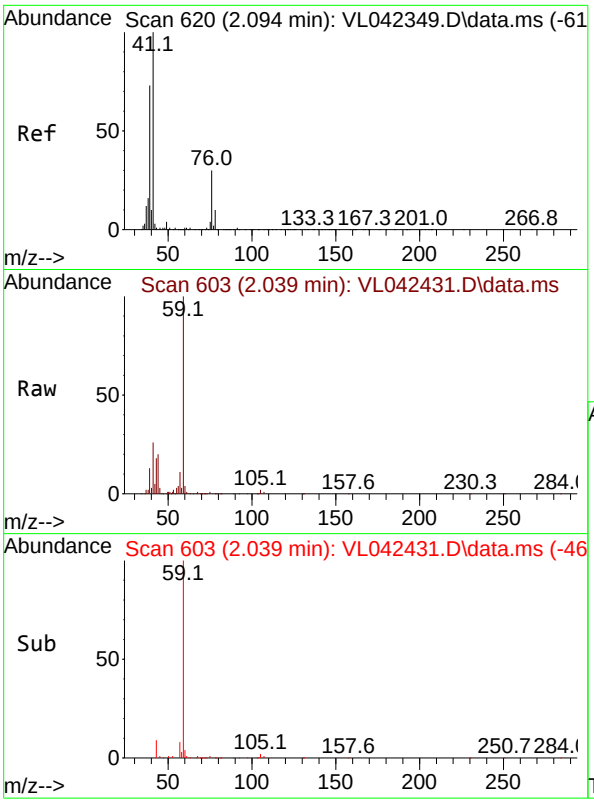


#20
Methylene Chloride
Concen: 0.406 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 84 Resp: 3153

Ion	Ratio	Lower	Upper
84	100		
49	108.0	111.6	167.4#
51	34.8	35.1	52.7#
86	36.2	48.9	73.3#



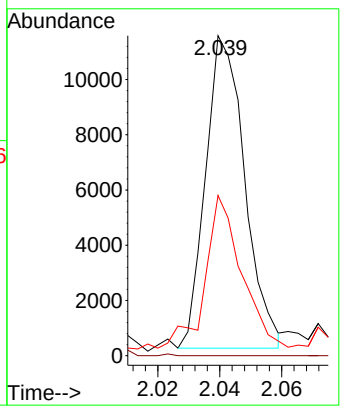


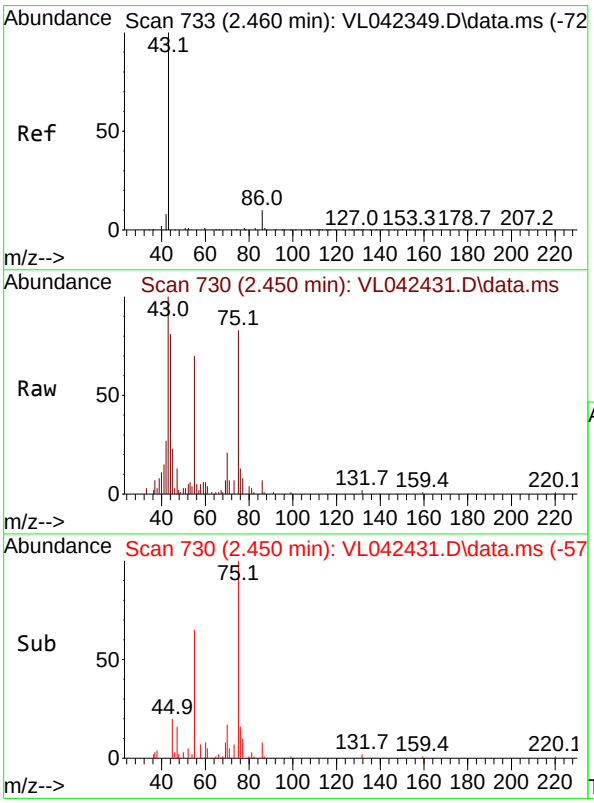
#21
Allyl Chloride
Concen: 0.725 ppbv
RT: 2.039 min Scan# 6(
Delta R.T. -0.055 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 41 Resp: 9926

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.8	37.2#
39	0.0	60.6	90.8#

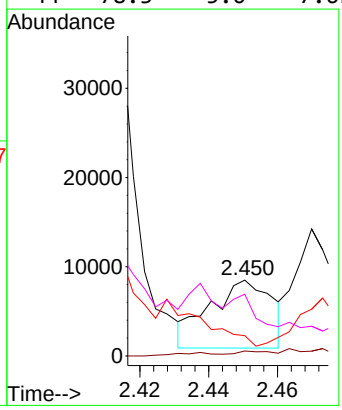


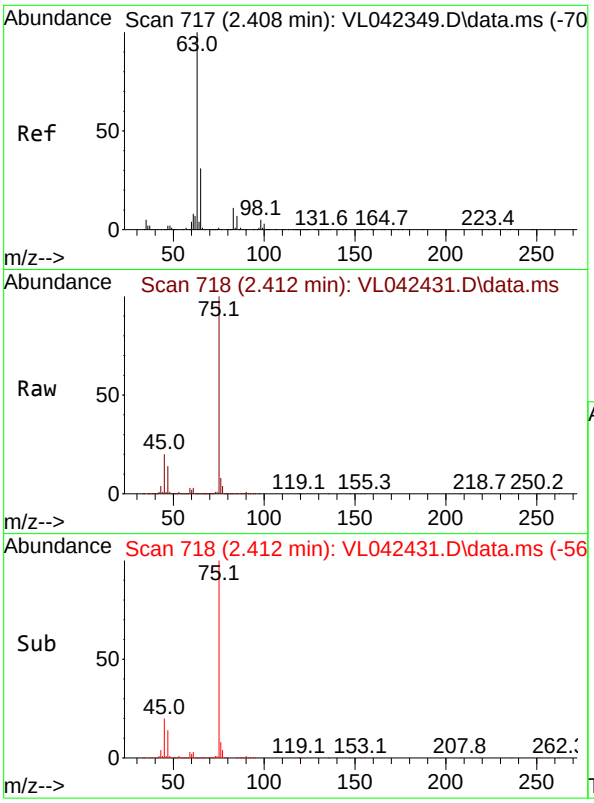


#23
Vinyl Acetate
Concen: 1.188 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.010 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 9528

Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.5	9.7#
42	4.3	7.8	11.8#
44	78.3	5.0	7.6#



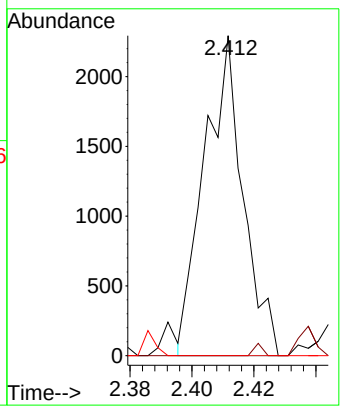


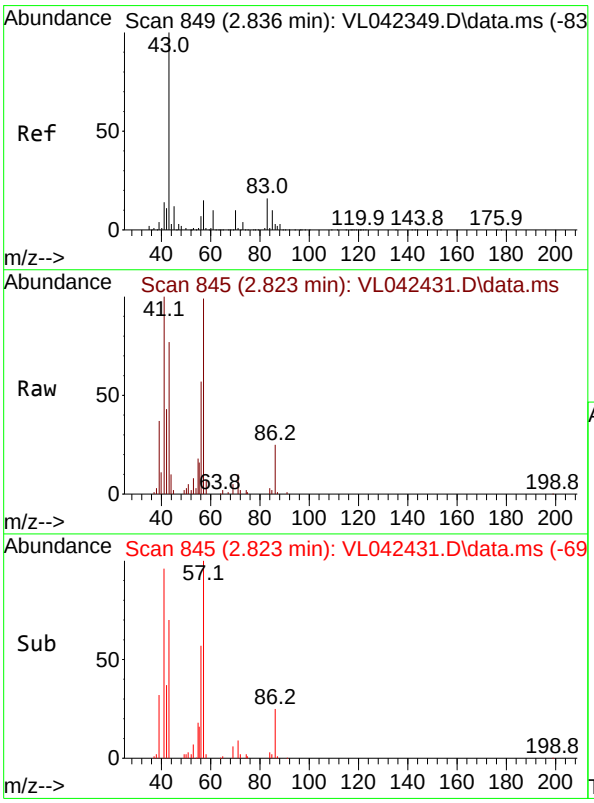
#24
1,1-Dichloroethane
Concen: 0.118 ppbv
RT: 2.412 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 63 Resp: 1987

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	0.0	1.6	4.8#

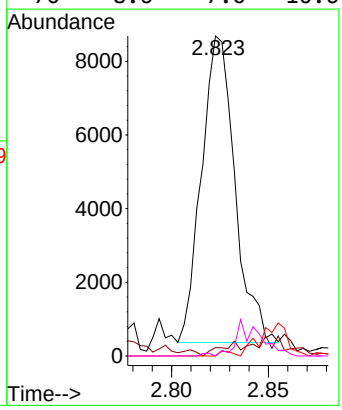


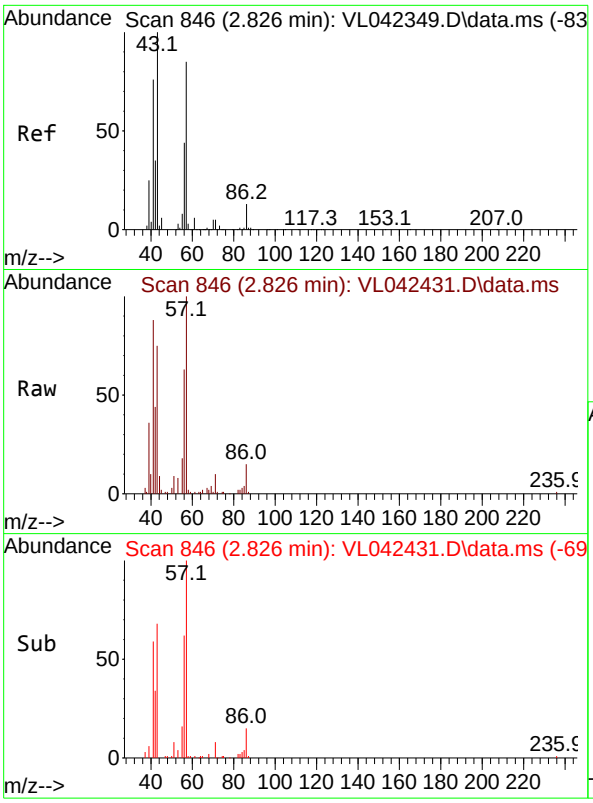


#25
Ethyl Acetate
Concen: 0.205 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.013 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 9993

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.3	10.9#
70	8.6	7.0	10.6



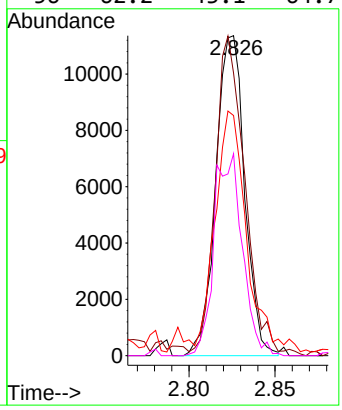


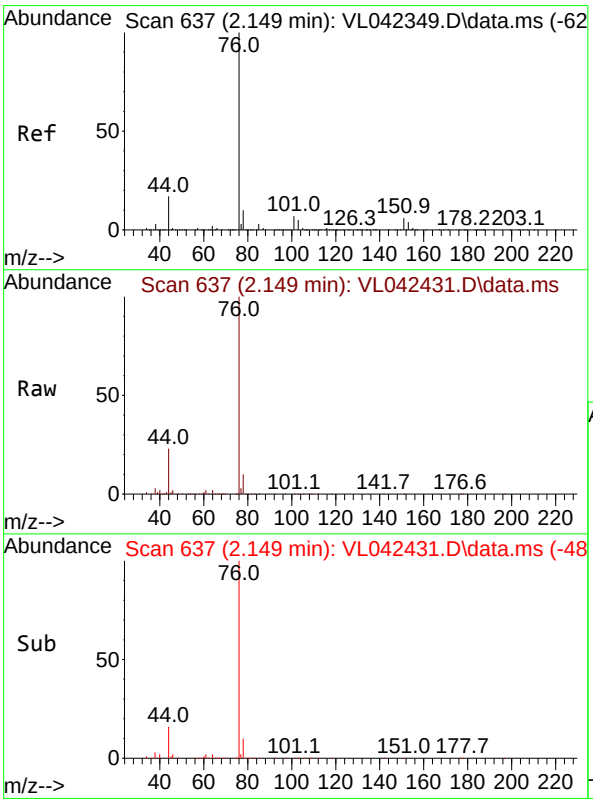
#26
Hexane
Concen: 0.670 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 57 Resp: 13247

Ion	Ratio	Lower	Upper
57	100		
41	100.4	77.9	116.9
43	92.1	208.4	312.6#
56	62.2	43.1	64.7

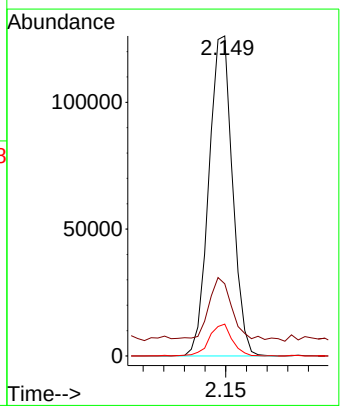


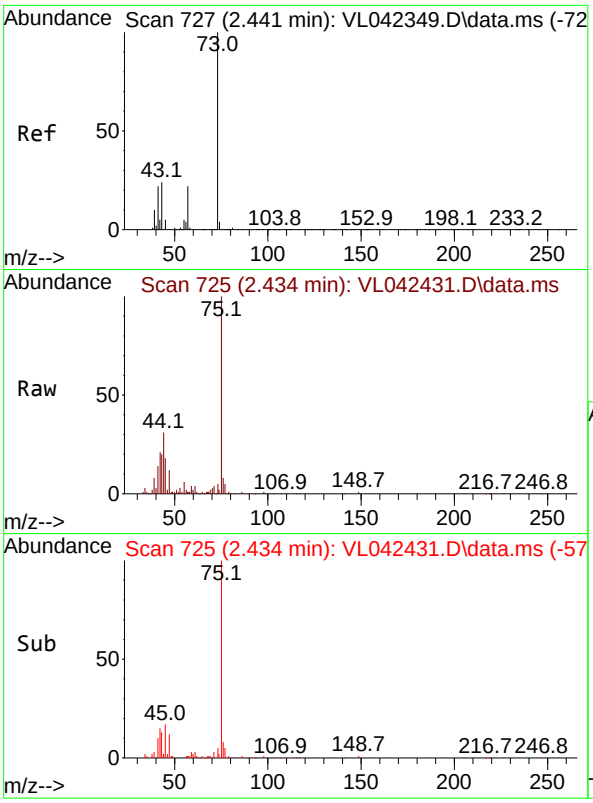


#27
Carbon Disulfide
Concen: 4.737 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 76 Resp: 100277

Ion	Ratio	Lower	Upper
76	100		
44	17.7	15.5	23.3
78	9.9	9.3	13.9



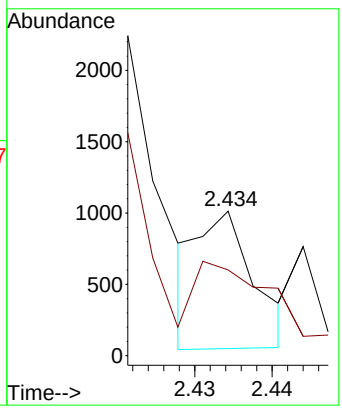


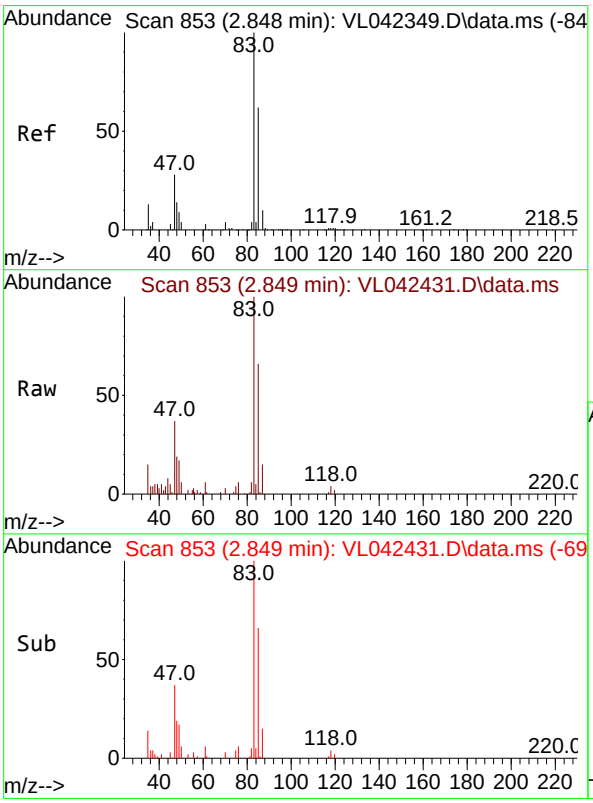
#28
Methyl tert-Butyl Ether
Concen: 0.038 ppbv
RT: 2.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 73 Resp: 486

Ion	Ratio	Lower	Upper
73	100		
57	0.0	21.3	31.9#

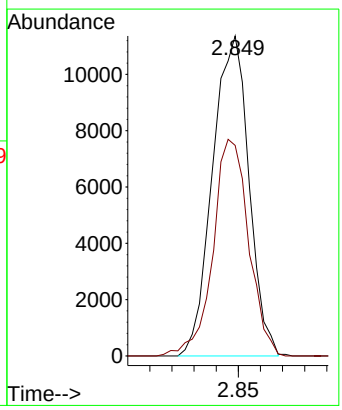


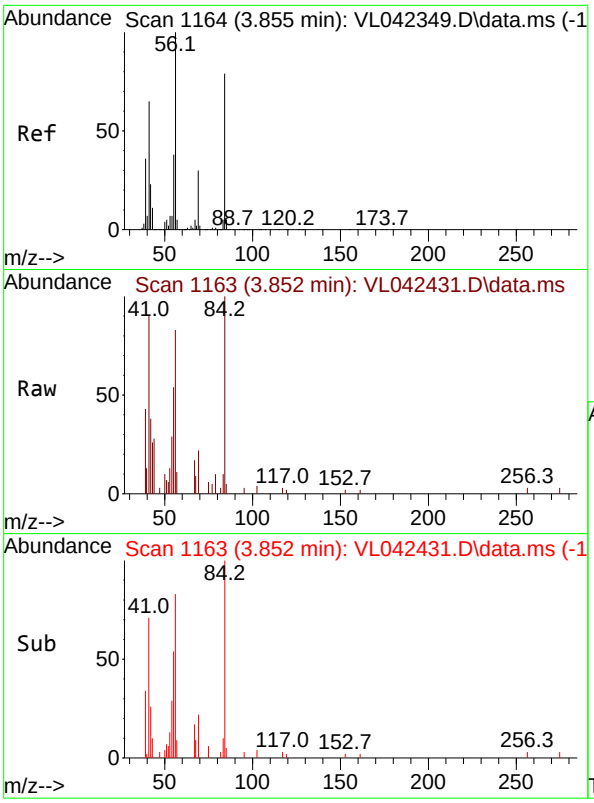


#29
Chloroform
Concen: 0.465 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 83 Resp: 12986

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0



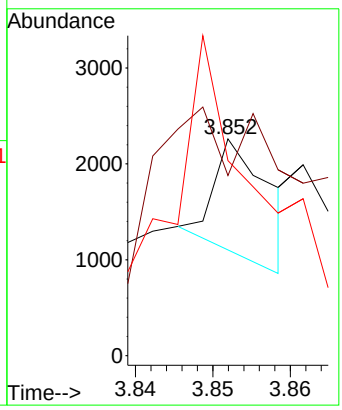


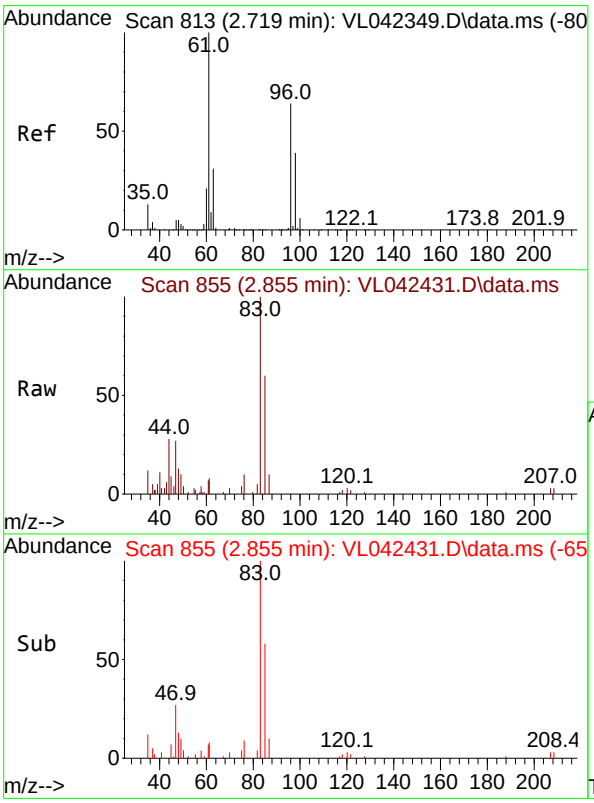
#30
Cyclohexane
Concen: 0.035 ppbv
RT: 3.852 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 84 Resp: 561

Ion	Ratio	Lower	Upper
84	100		
56	867.9	101.0	151.4#
41	535.1	67.4	101.0#

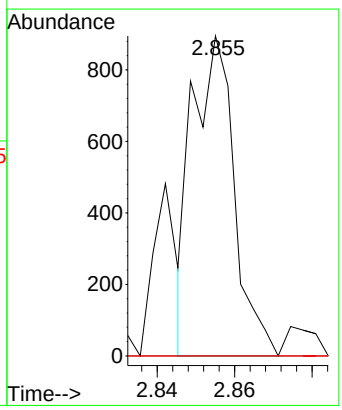


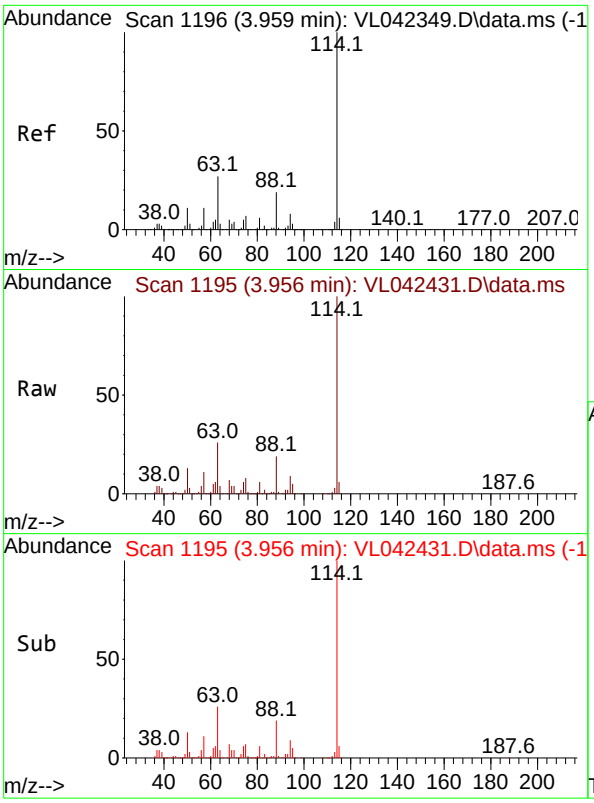


#31
cis-1,2-Dichloroethene
Concen: 0.036 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.136 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 61 Resp: 672

Ion	Ratio	Lower	Upper
61	100		
96	0.0	50.8	76.2#
98	0.0	30.9	46.3#



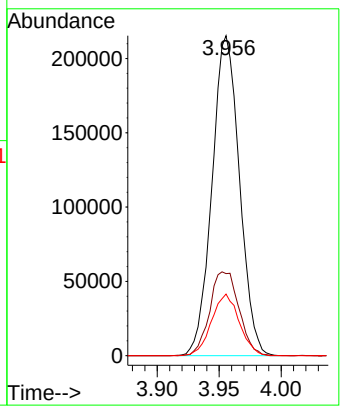


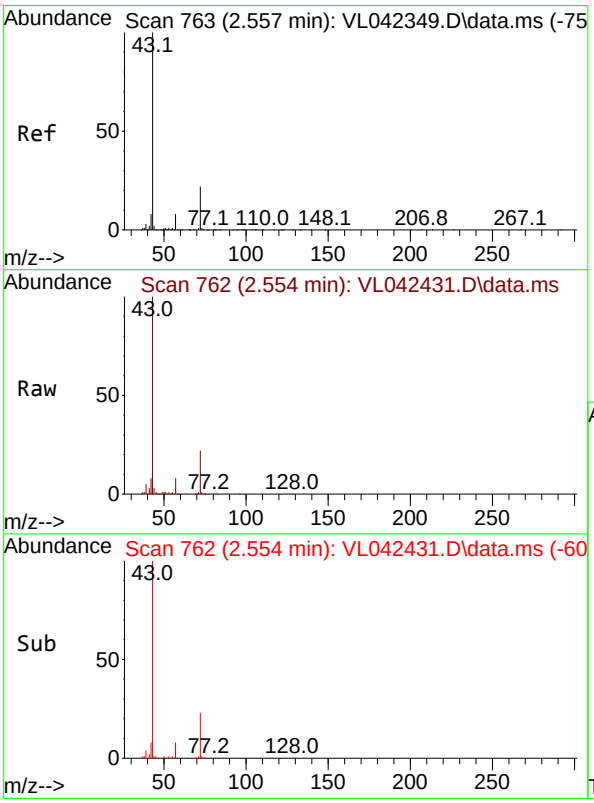
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion:114 Resp: 332477

Ion	Ratio	Lower	Upper
114	100		
63	28.0	21.8	32.6
88	19.5	15.5	23.3

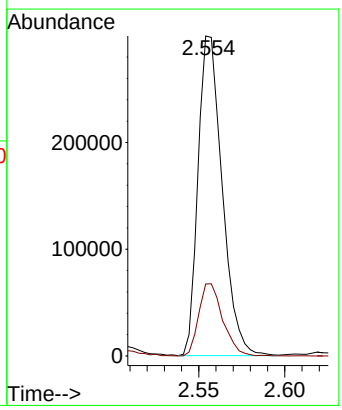


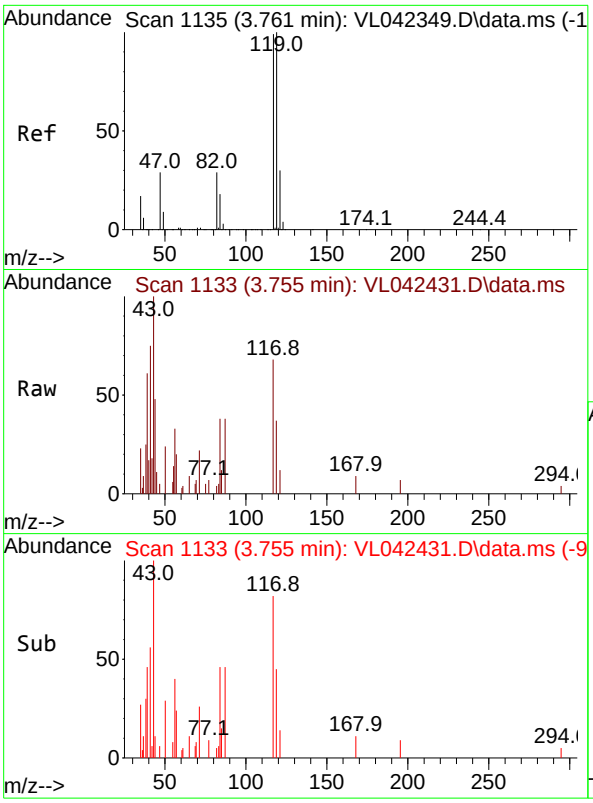


#34
2-Butanone
Concen: 11.133 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 292727

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.2	27.2



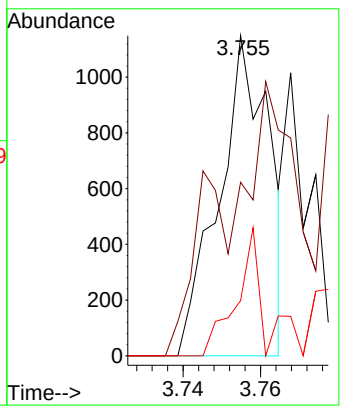


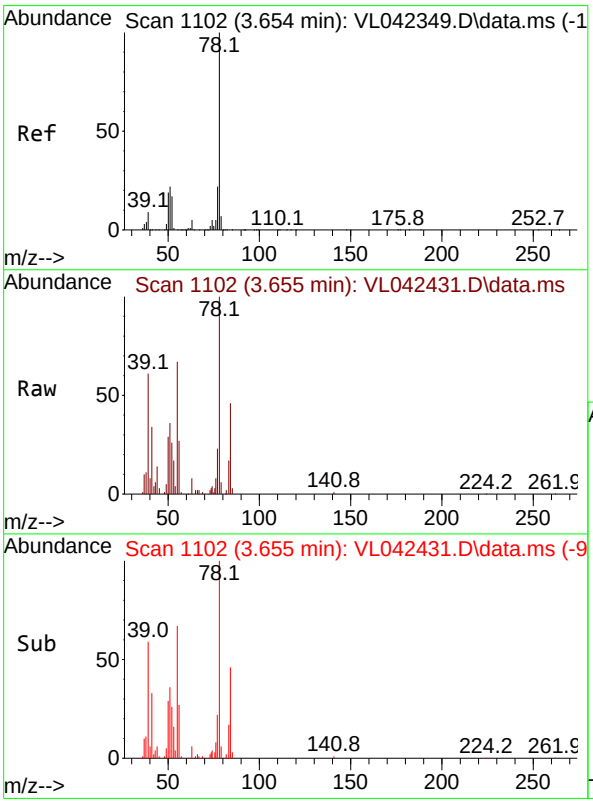
#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion:117 Resp: 1037

Ion	Ratio	Lower	Upper
117	100		
119	43.4	80.5	120.7#
121	17.2	24.2	36.2#

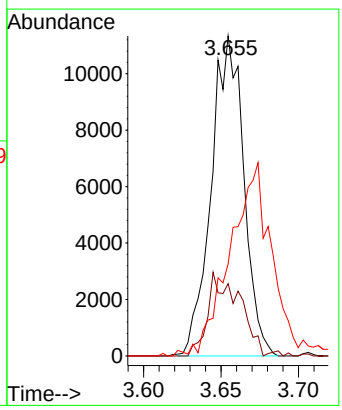


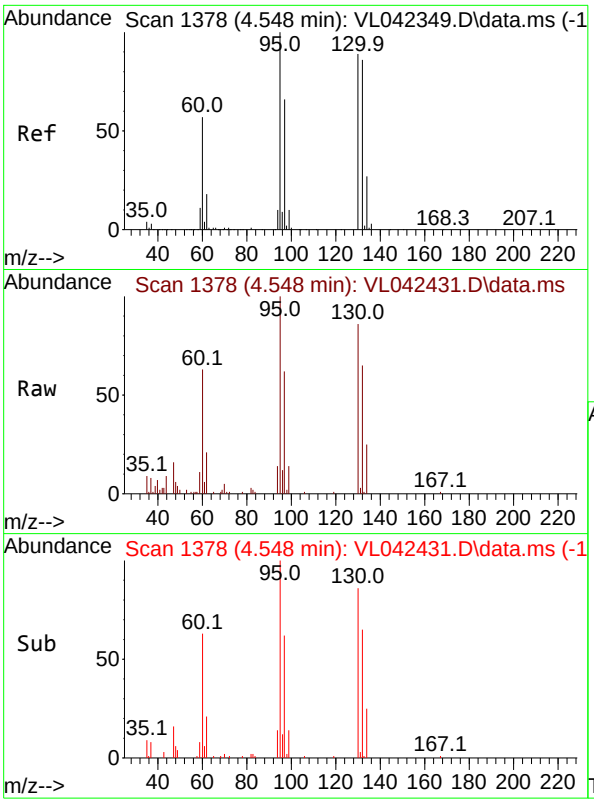


#36
Benzene
Concen: 0.462 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 78 Resp: 16576

Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.4	26.0
50	27.0	15.5	23.3#



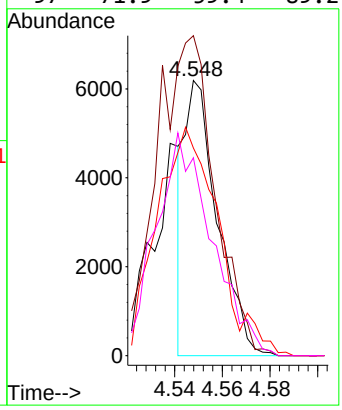


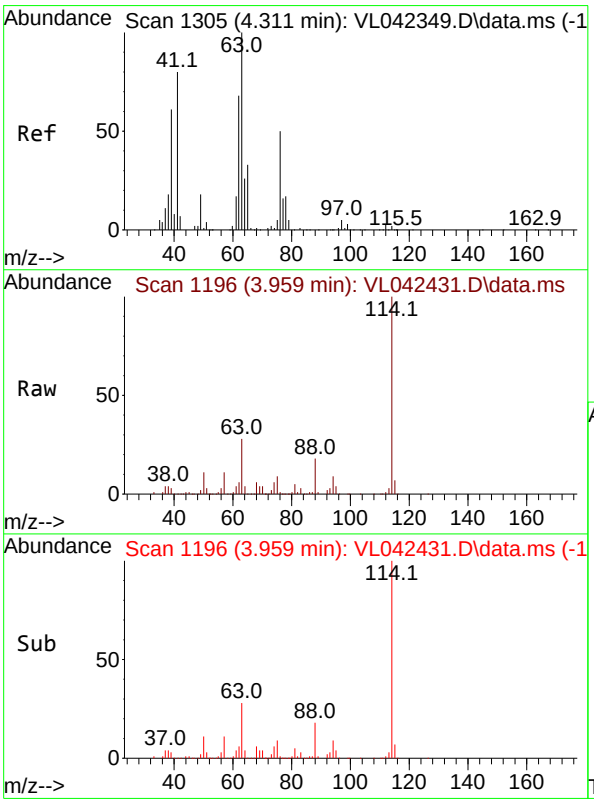
#38
Trichloroethene
Concen: 0.377 ppbv
RT: 4.548 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion:130 Resp: 5912

Ion	Ratio	Lower	Upper
130	100		
95	116.3	89.8	134.6
132	76.0	77.7	116.5#
97	71.9	59.4	89.2

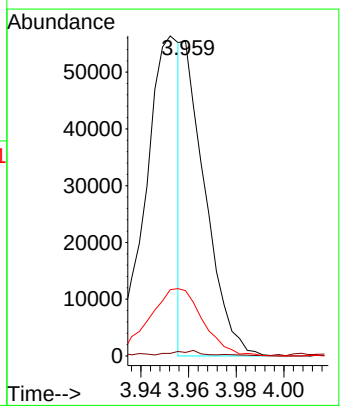


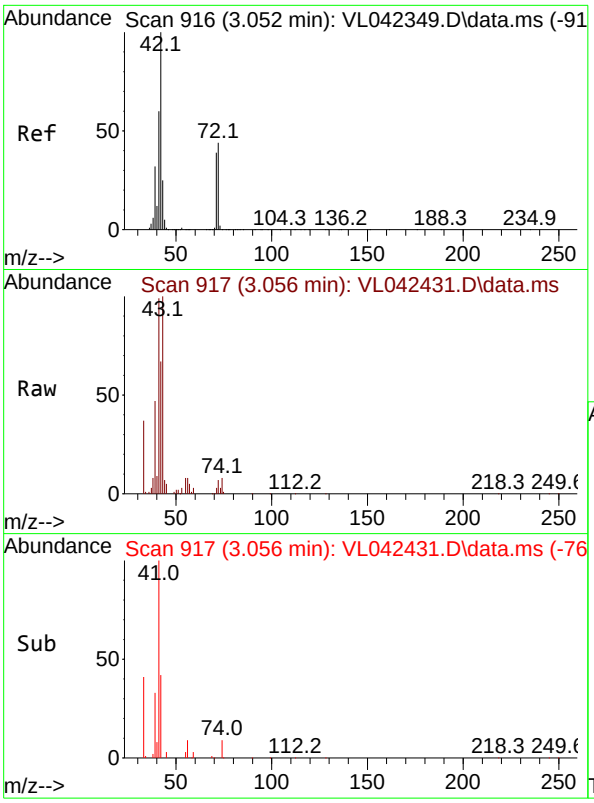


#39
1,2-Dichloropropane
Concen: 2.788 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 63 Resp: 37260

Ion	Ratio	Lower	Upper
63	100		
41	0.7	64.2	96.2#
62	20.8	54.3	81.5#



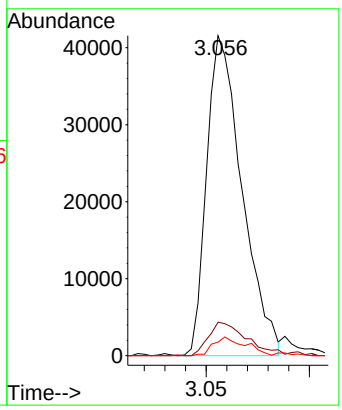


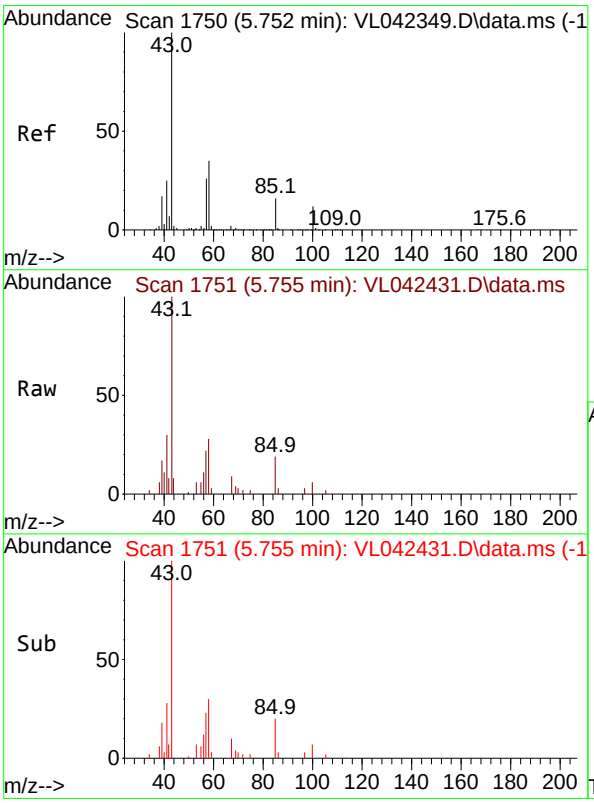
#41
Tetrahydrofuran
Concen: 3.227 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 42 Resp: 49472

Ion	Ratio	Lower	Upper
42	100		
72	11.8	32.3	48.5#
71	5.8	31.4	47.2#

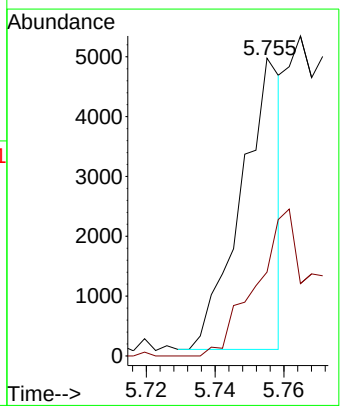


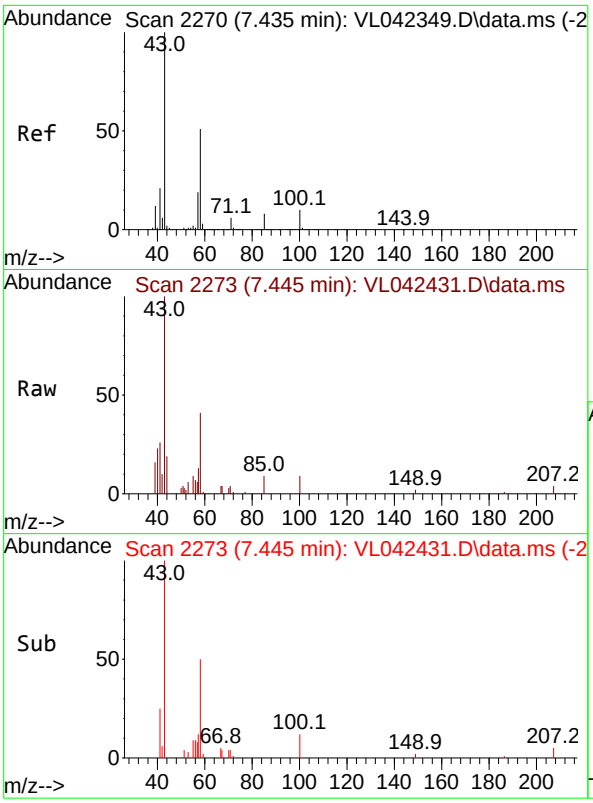


#50
4-Methyl-2-Pentanone
Concen: 0.089 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 43 Resp: 3910

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#



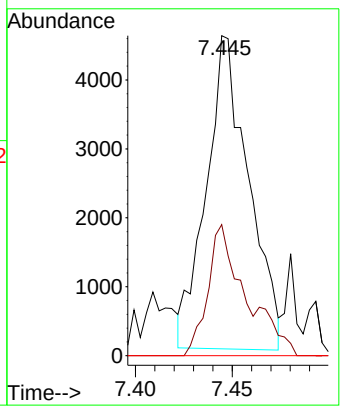


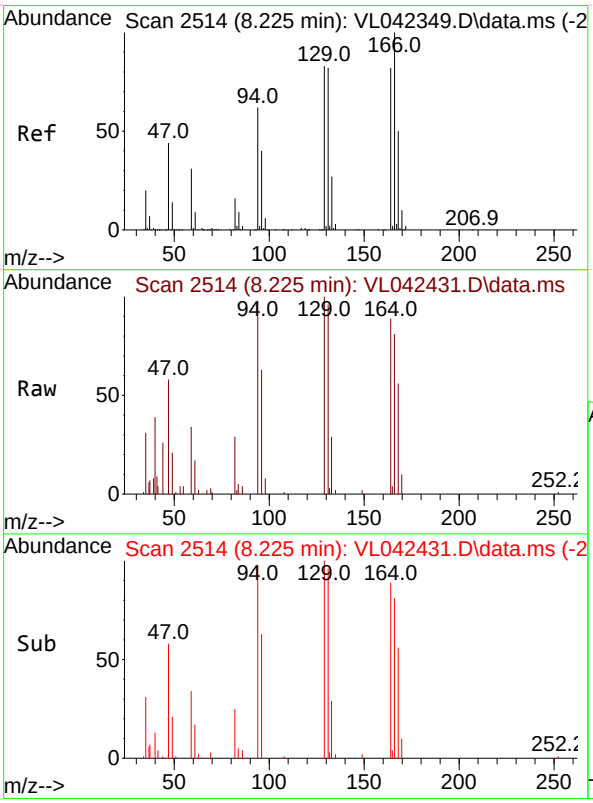
#51
2-Hexanone
Concen: 0.176 ppbv
RT: 7.445 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 43 Resp: 6910

Ion	Ratio	Lower	Upper
43	100		
58	37.6	40.2	60.4#
98	0.0	0.1	0.1#

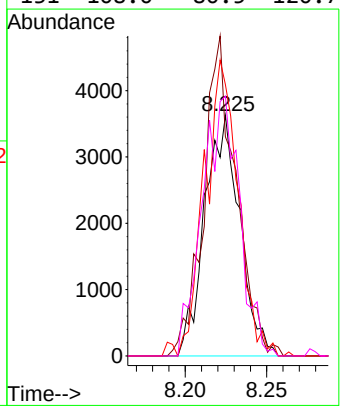


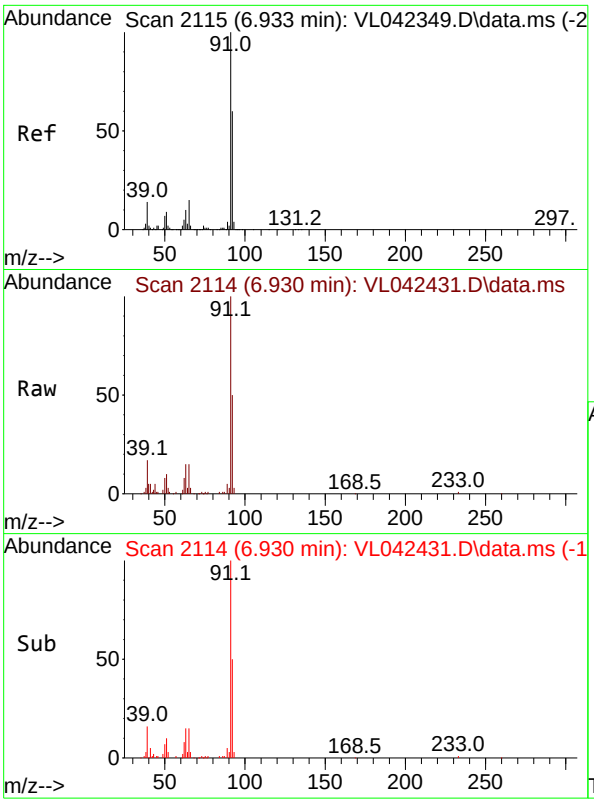


#52
Tetrachloroethene
Concen: 0.393 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:164 Resp: 5442

Ion	Ratio	Lower	Upper
164	100		
166	87.4	98.2	147.2#
129	112.8	81.8	122.8
131	108.0	80.5	120.7



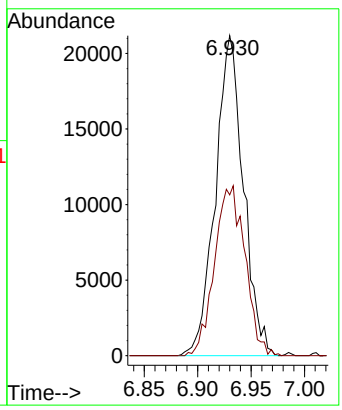


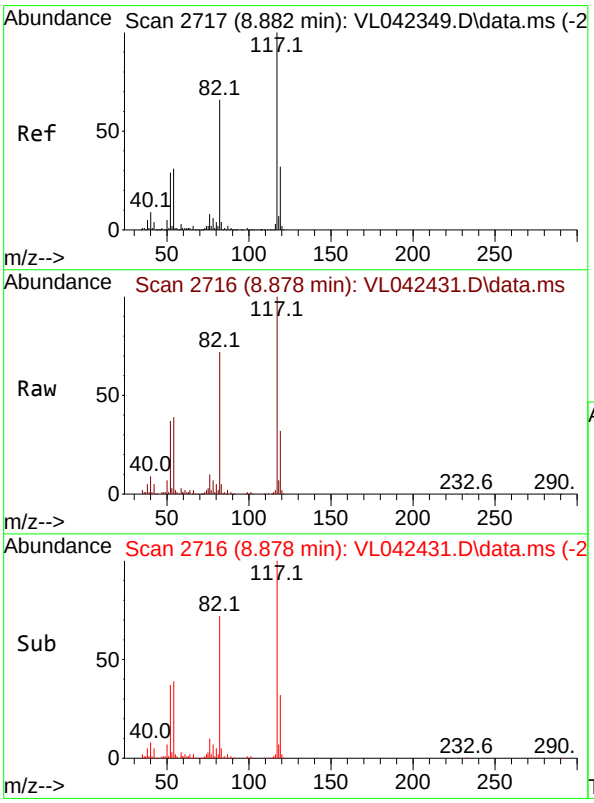
#53
Toluene
Concen: 0.897 ppbv
RT: 6.930 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 91 Resp: 38616

Ion	Ratio	Lower	Upper
91	100		
92	57.8	48.2	72.4

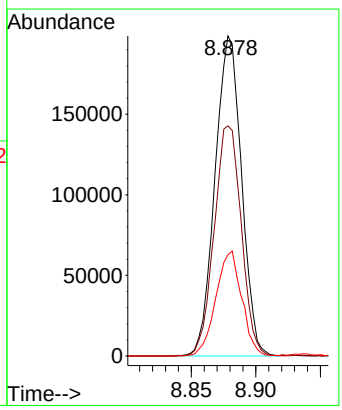


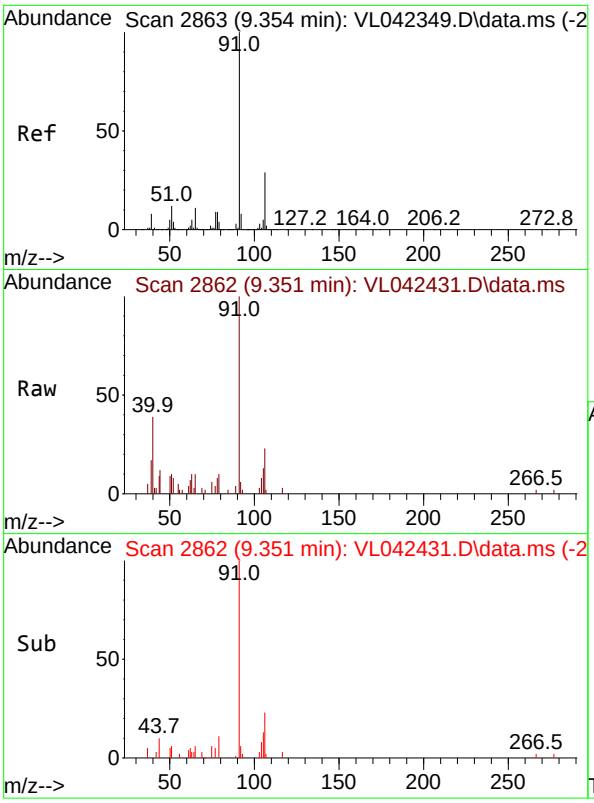


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:117 Resp: 283703

Ion	Ratio	Lower	Upper
117	100		
82	73.5	57.8	86.6
119	32.0	25.2	37.8



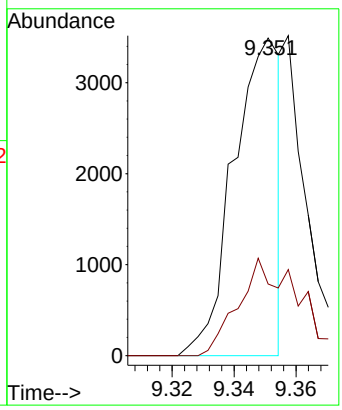


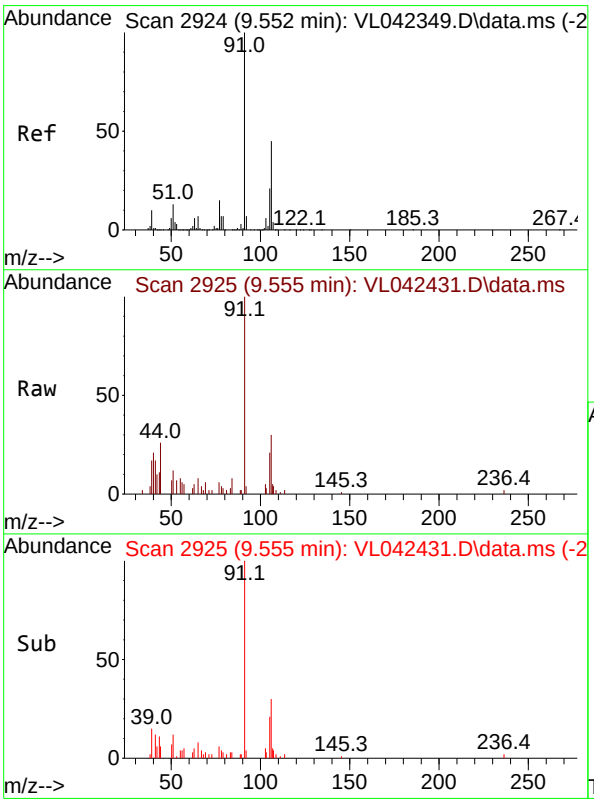
#58
Ethyl Benzene
Concen: 0.064 ppbv
RT: 9.351 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 91 Resp: 3620

Ion	Ratio	Lower	Upper
91	100		
106	23.4	23.0	34.4

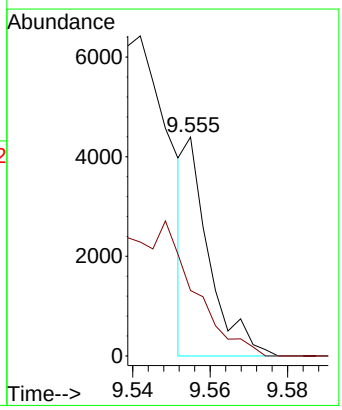


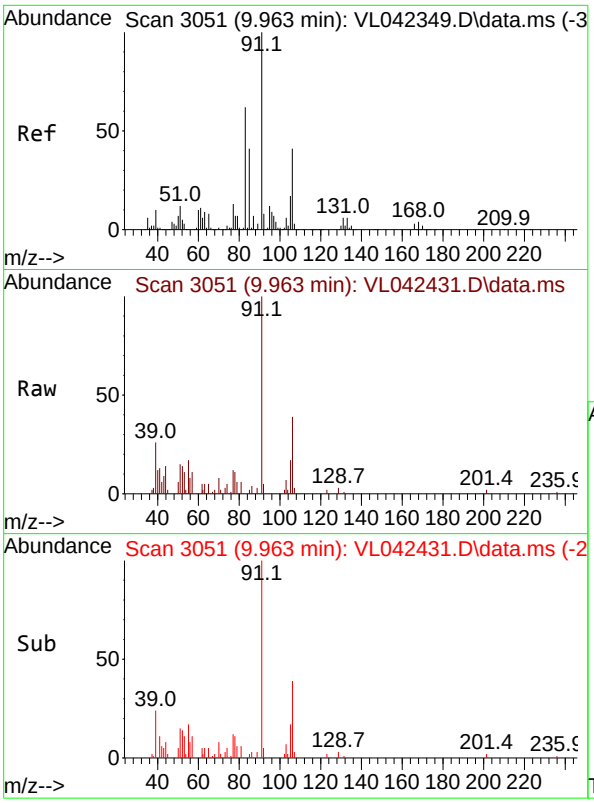


#59
m/p-Xylene
Concen: 0.042 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion: 91 Resp: 1922

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



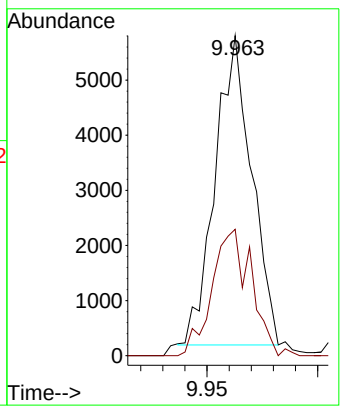


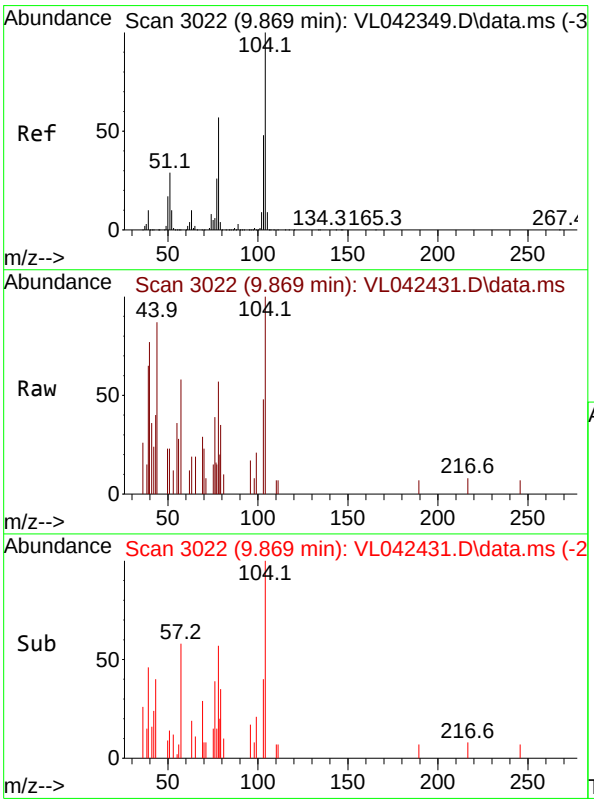
#60
o-Xylene
Concen: 0.141 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 91 Resp: 6441

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.1	63.4

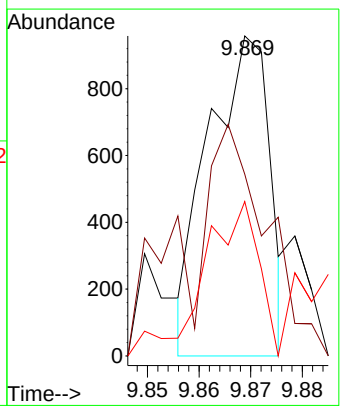


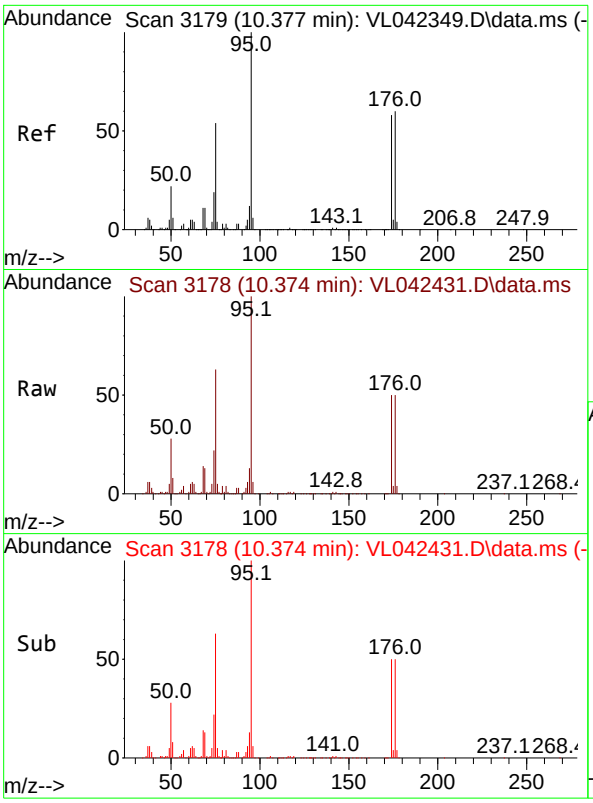


#61
Styrene
Concen: 0.036 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:104 Resp: 793

Ion	Ratio	Lower	Upper
104	100		
78	95.6	44.6	66.8#
103	61.2	37.4	56.0#



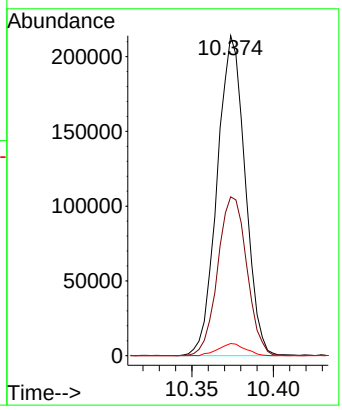


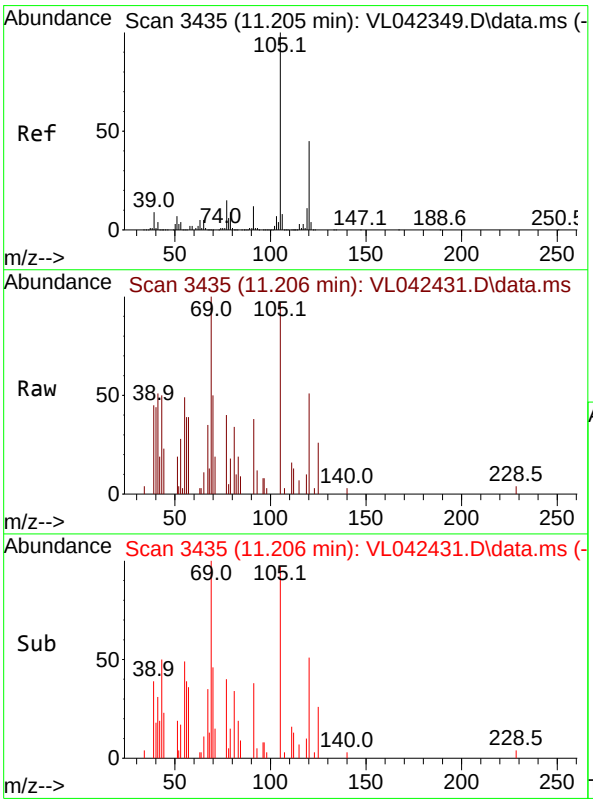
#68
1-Bromo-4-Fluorobenzene
Concen: 10.916 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion: 95 Resp: 254492

Ion	Ratio	Lower	Upper
95	100		
174	51.7	48.5	72.7
175	3.7	3.7	5.5

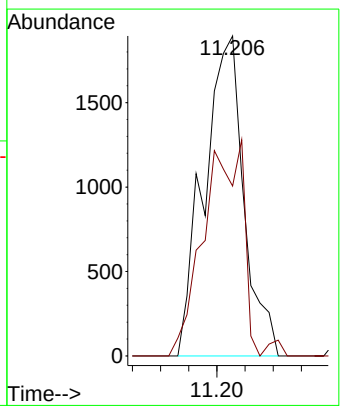


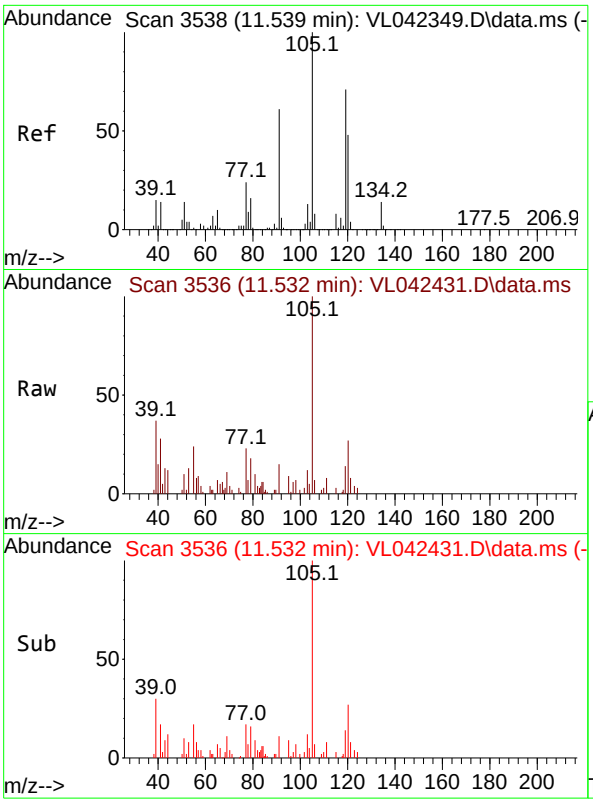


#73
1,3,5-Trimethylbenzene
Concen: 0.038 ppbv
RT: 11.206 min Scan# 3435
Delta R.T. 0.000 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Tgt Ion:105 Resp: 1859

Ion	Ratio	Lower	Upper
105	100		
120	48.1	35.6	53.4



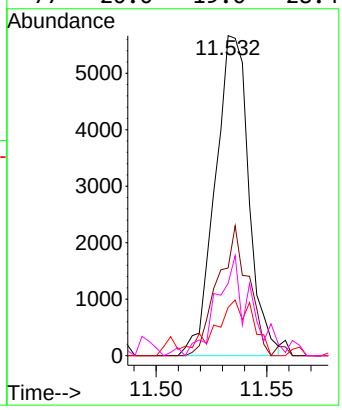


#74
1,2,4-Trimethylbenzene
Concen: 0.104 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL042431.D
Acq: 28 Apr 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421

Tgt Ion:105 Resp: 5983

Ion	Ratio	Lower	Upper
105	100		
120	27.4	38.1	57.1#
91	15.1	48.8	73.2#
77	20.0	19.0	28.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042432.D
Acq On : 28 Apr 2025 18:35
Operator : SY/MD
Sample : Q1880-06
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Quant Time: Apr 29 01:41:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

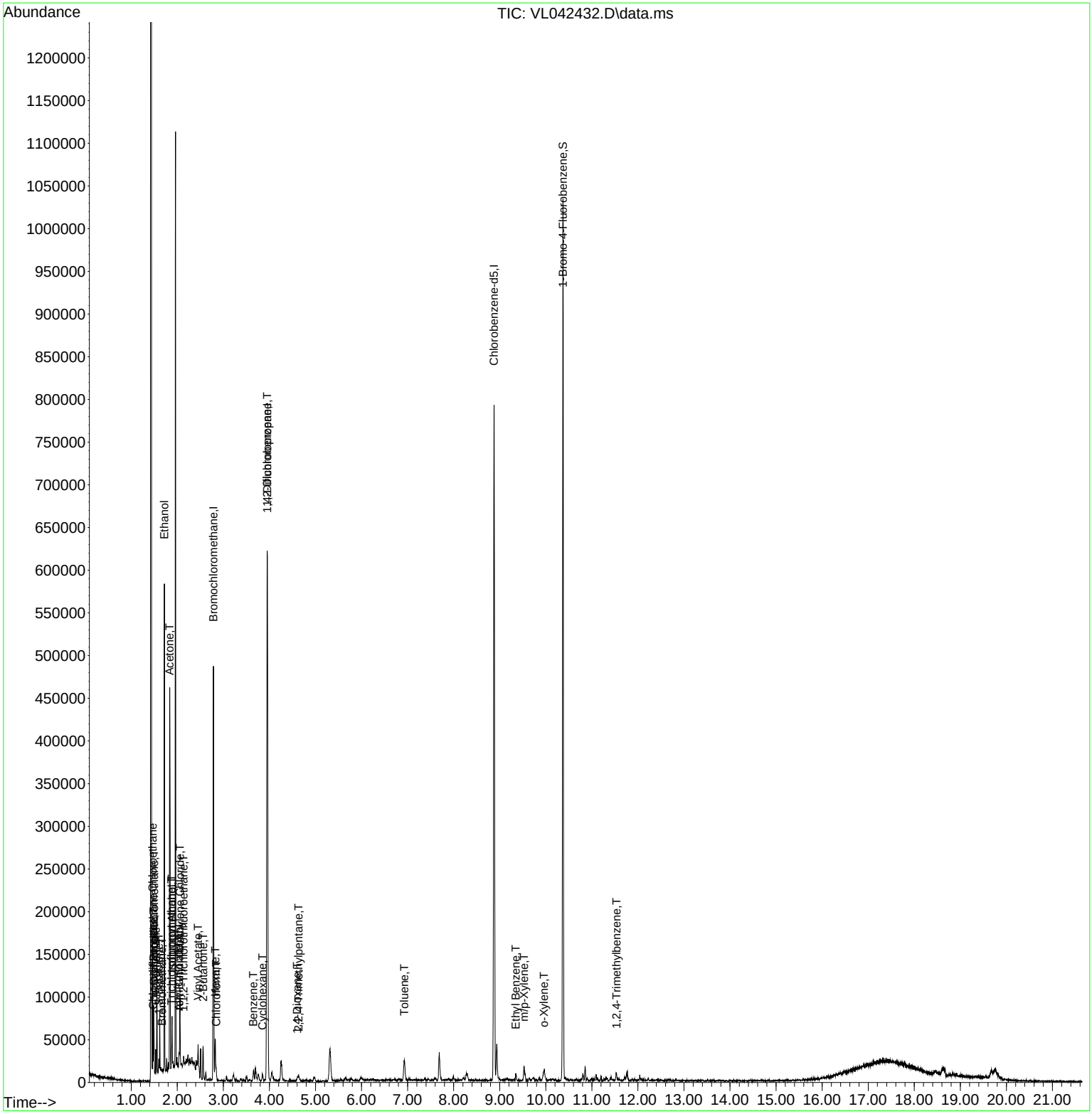
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	122971	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	342098	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	294438	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	255363	10.554	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	11450	0.527	ppbv		98
3) Chlorodifluoromethane	1.473	51	11870	0.574	ppbv	#	87
4) Chloromethane	1.531	50	7038	0.819	ppbv		98
6) Bromomethane	1.667	94	157	0.039	ppbv	#	25
7) Chloroethane	1.467	64	10208	3.016	ppbv	#	44
9) Propene	1.486	41	5988	0.636	ppbv	#	15
11) Trichlorofluoromethane	1.875	101	5413	0.262	ppbv		87
12) 1,1,2-Trichlorotrifluo...	2.137	101	1248	0.074	ppbv		95
13) Ethanol	1.719	45	184120	122.946	ppbv		76
15) Acetone	1.832	43	208956	10.380	ppbv		94
16) 1,3-Butadiene	1.599	39	1376	0.143	ppbv	#	9
17) tert-Butyl alcohol	2.043	59	2487	0.100	ppbv	#	71
19) Isopropyl Alcohol	1.884	45	25110	2.245	ppbv	#	1
20) Methylene Chloride	2.059	84	8748	1.110	ppbv		96
21) Allyl Chloride	2.036	41	3019	0.217	ppbv	#	79
23) Vinyl Acetate	2.451	43	17620	2.162	ppbv	#	81
26) Hexane	2.826	57	10774	0.536	ppbv	#	36
29) Chloroform	2.849	83	3495	0.123	ppbv	#	69
30) Cyclohexane	3.849	84	705	0.043	ppbv	#	4
34) 2-Butanone	2.561	43	24147	0.892	ppbv		100
36) Benzene	3.651	78	4659	0.126	ppbv		95
39) 1,2-Dichloropropane	3.952	63	99107	7.208	ppbv	#	23
40) 1,4-Dioxane	4.600	88	433	0.057	ppbv	#	15
44) 2,2,4-Trimethylpentane	4.635	57	2253	0.035	ppbv	#	2
53) Toluene	6.930	91	10296	0.233	ppbv	#	42
58) Ethyl Benzene	9.348	91	3441	0.059	ppbv	#	45
59) m/p-Xylene	9.526	91	9433	0.201	ppbv		95
60) o-Xylene	9.960	91	3674	0.078	ppbv		100
74) 1,2,4-Trimethylbenzene	11.536	105	2355	0.039	ppbv	#	70

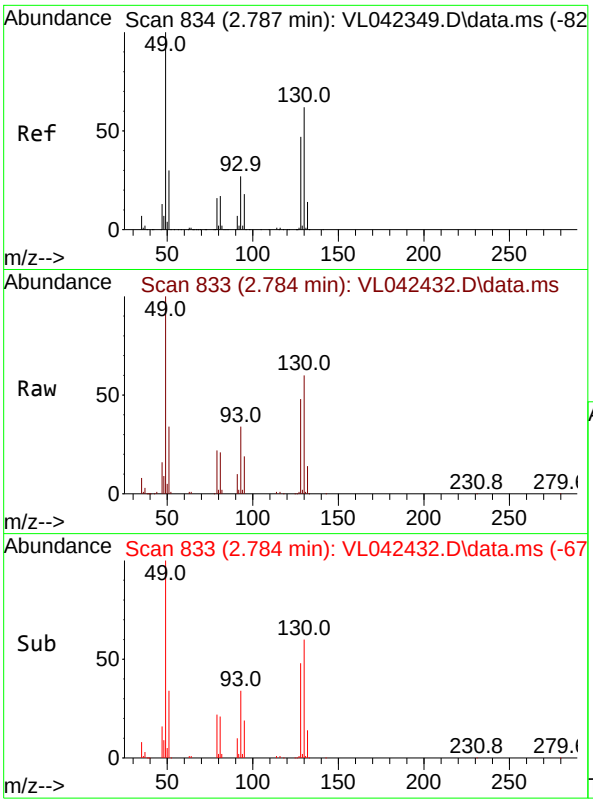
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042432.D
Acq On : 28 Apr 2025 18:35
Operator : SY/MD
Sample : Q1880-06
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Quant Time: Apr 29 01:41:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



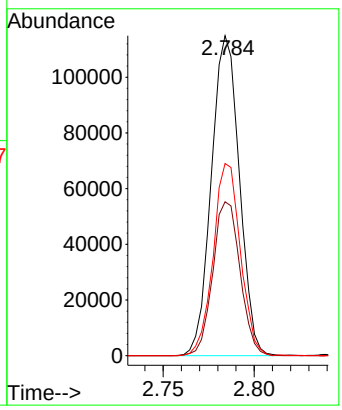


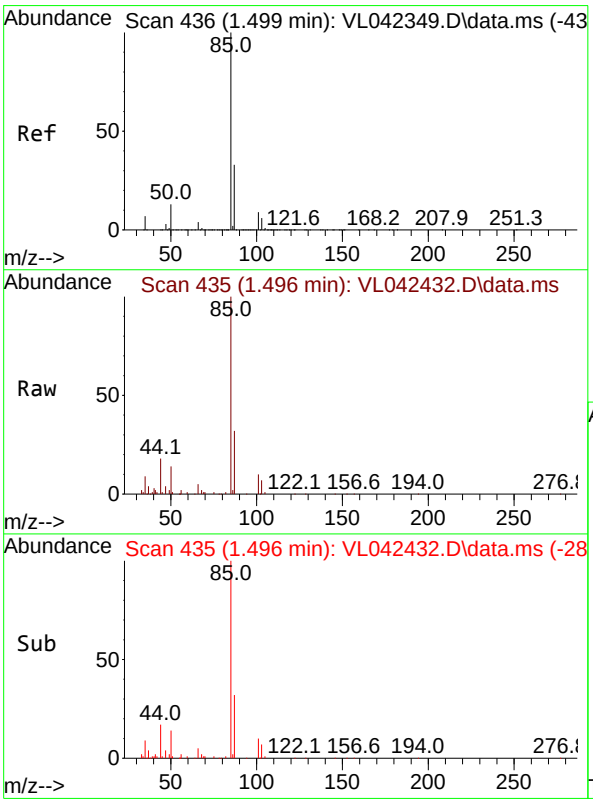
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 49 Resp: 122971

Ion	Ratio	Lower	Upper
49	100		
128	46.9	22.8	68.4
130	58.4	29.3	88.0

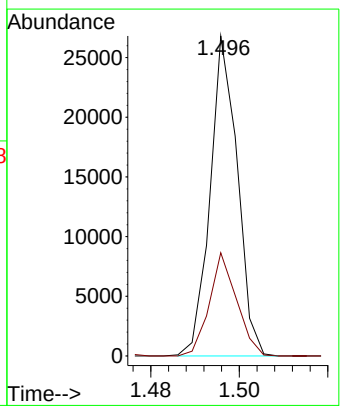


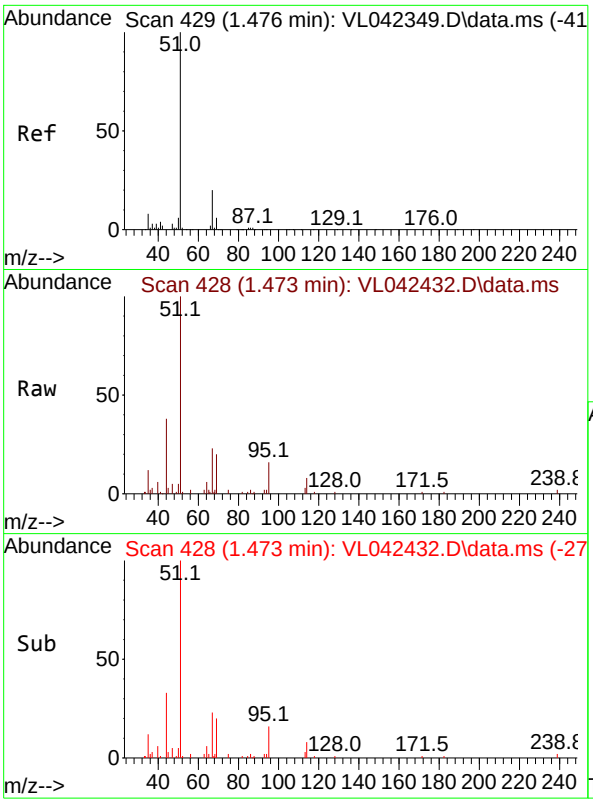


#2
Dichlorodifluoromethane
Concen: 0.527 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 85 Resp: 11450

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.6	39.8



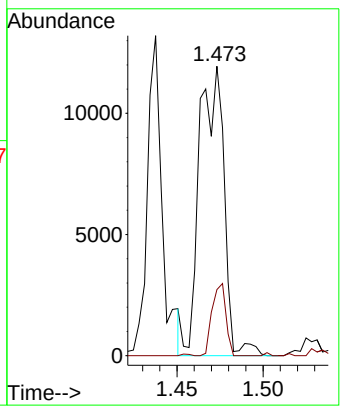


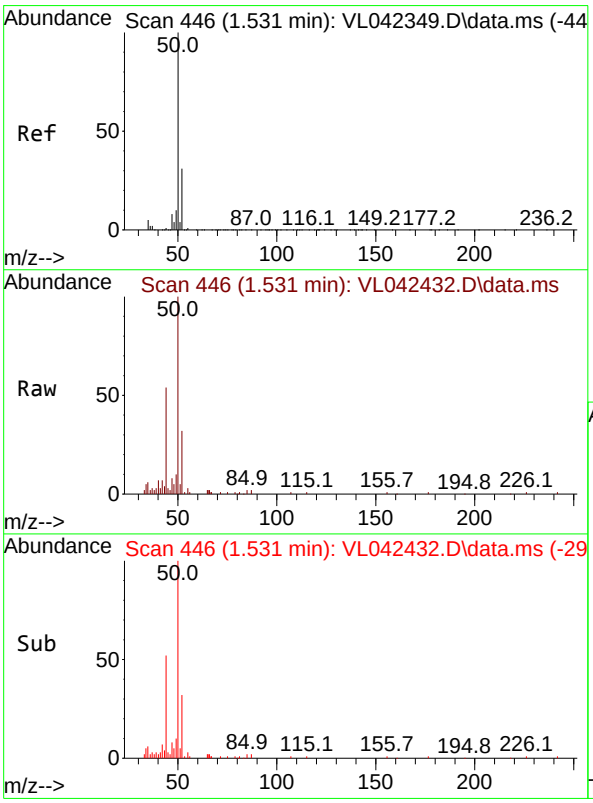
#3
Chlorodifluoromethane
Concen: 0.574 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 51 Resp: 11870

Ion	Ratio	Lower	Upper
51	100		
67	14.1	16.2	24.4#

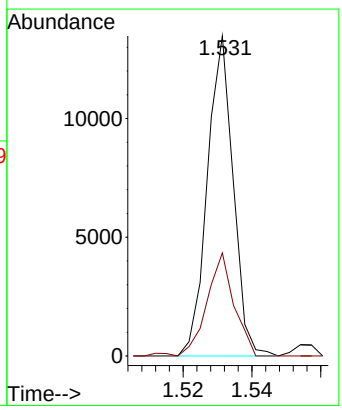


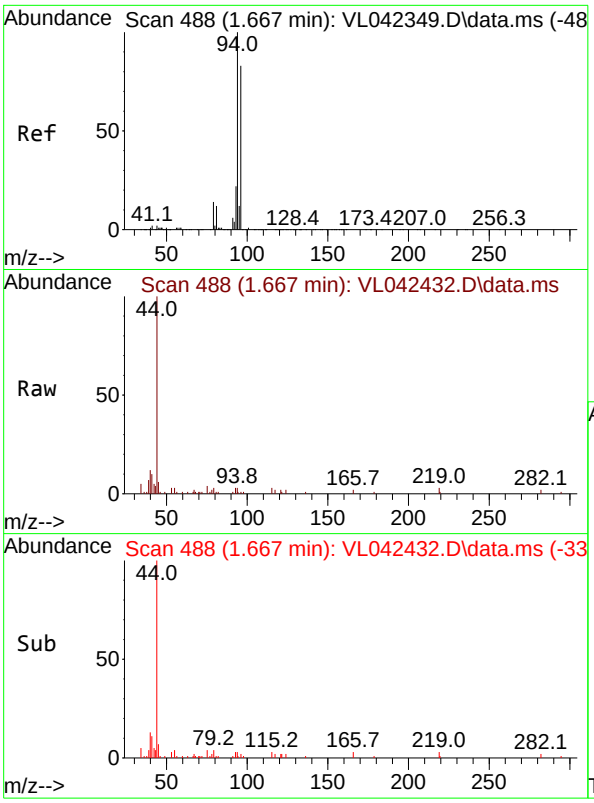


#4
Chloromethane
Concen: 0.819 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 50 Resp: 7038

Ion	Ratio	Lower	Upper
50	100		
52	32.2	24.7	37.1



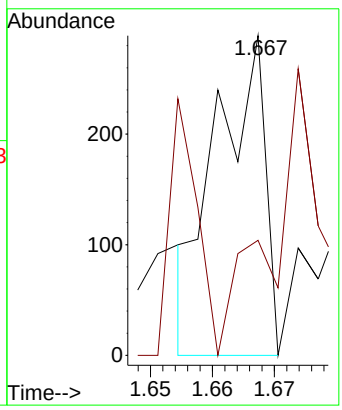


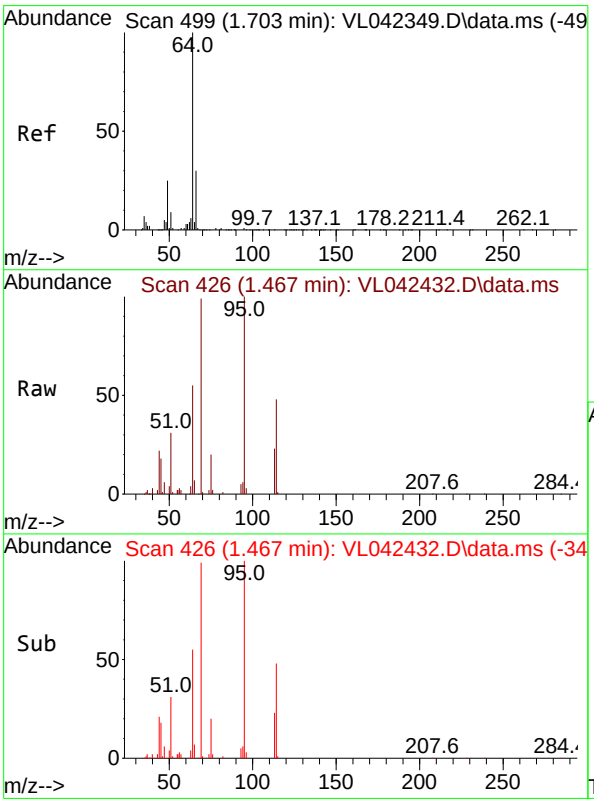
#6
Bromomethane
Concen: 0.039 ppbv
RT: 1.667 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 94 Resp: 157

Ion	Ratio	Lower	Upper
94	100		
96	14.9	66.2	99.2#

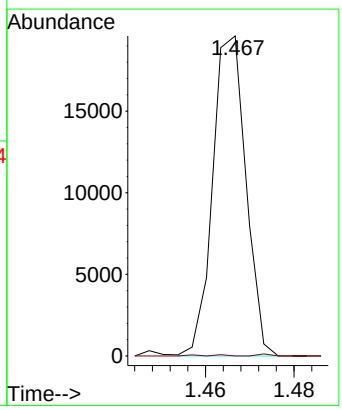


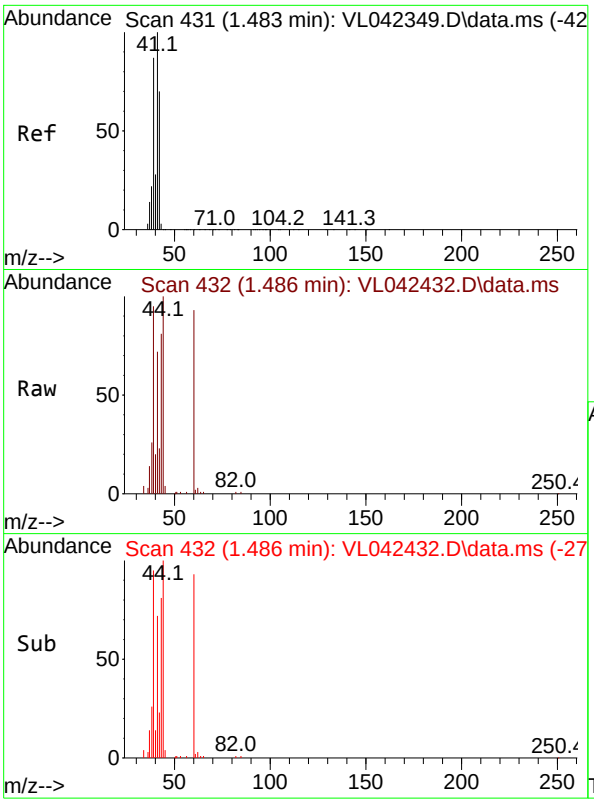


#7
Chloroethane
Concen: 3.016 ppbv
RT: 1.467 min Scan# 426
Delta R.T. -0.236 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 64 Resp: 10208

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.6	37.0#



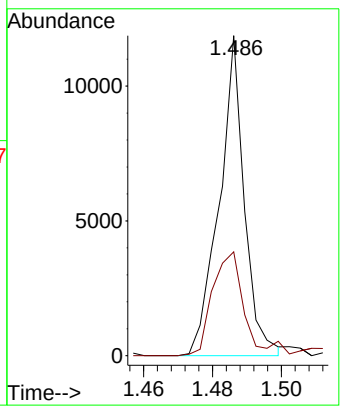


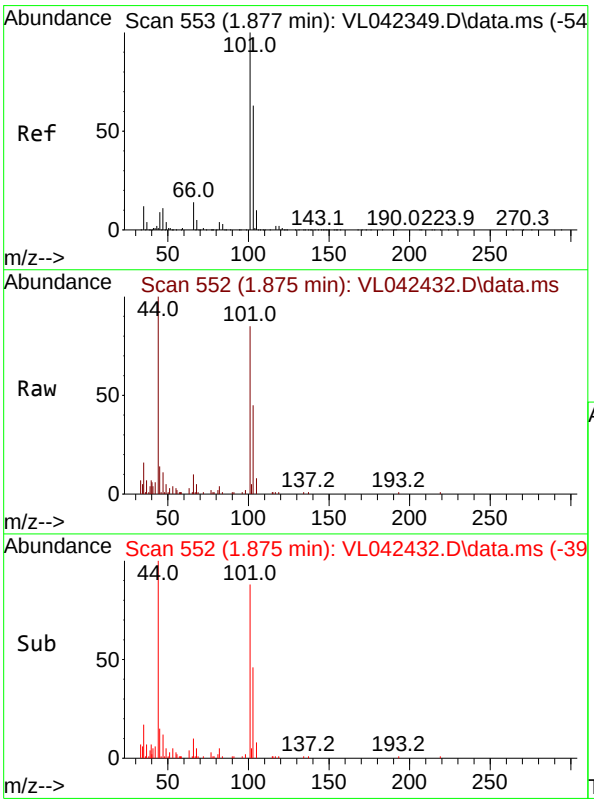
#9
Propene
Concen: 0.636 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.004 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 41 Resp: 5988

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#

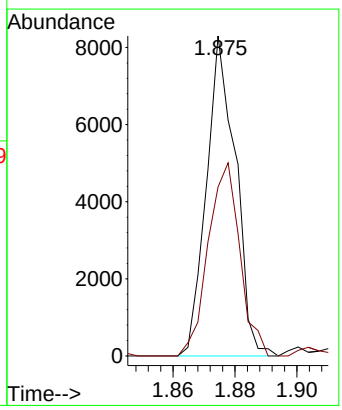


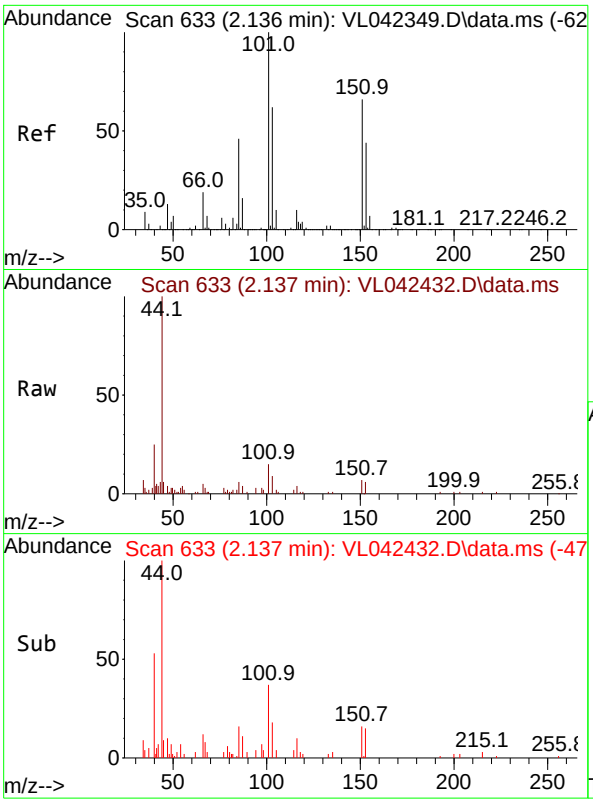


#11
Trichlorofluoromethane
Concen: 0.262 ppbv
RT: 1.875 min Scan# 552
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion:101 Resp: 5413

Ion	Ratio	Lower	Upper
101	100		
103	52.8	50.1	75.1



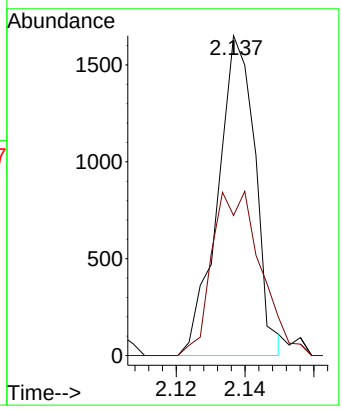


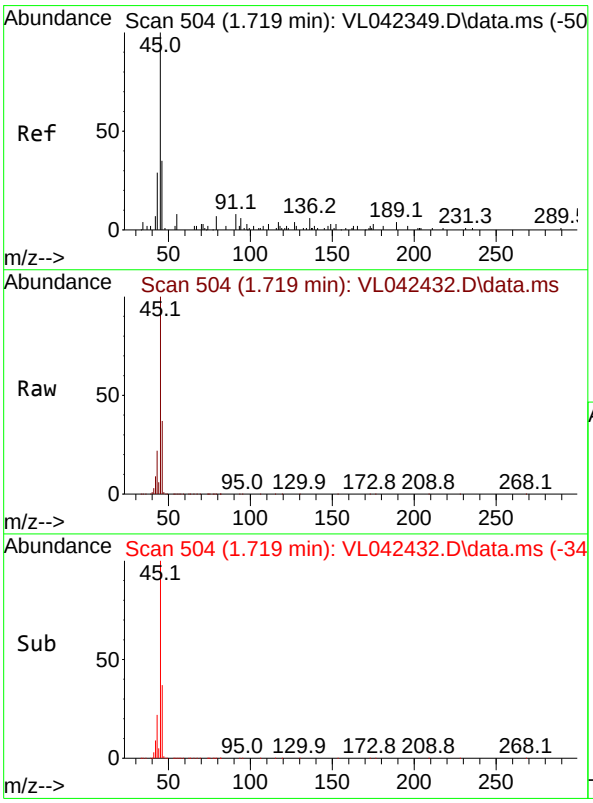
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.074 ppbv
RT: 2.137 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion:101 Resp: 1248

Ion	Ratio	Lower	Upper
101	100		
151	66.9	57.0	85.6

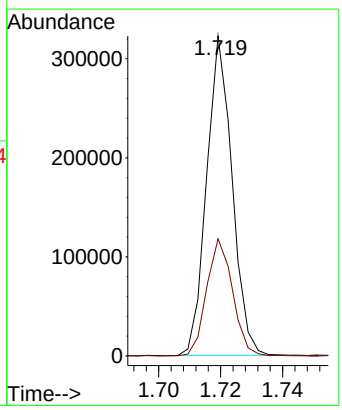


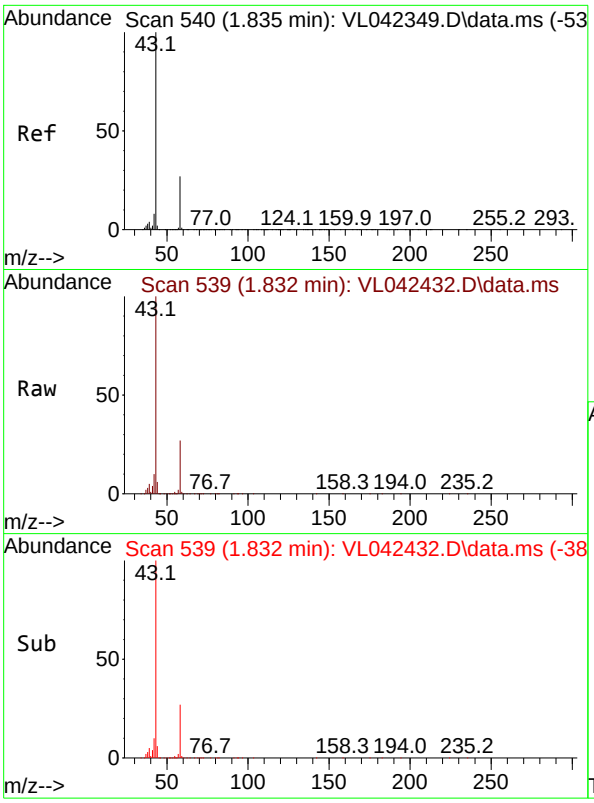


#13
Ethanol
Concen: 122.946 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 45 Resp: 184120

Ion	Ratio	Lower	Upper
45	100		
46	37.6	21.9	87.7



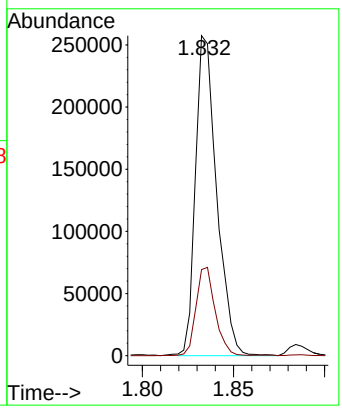


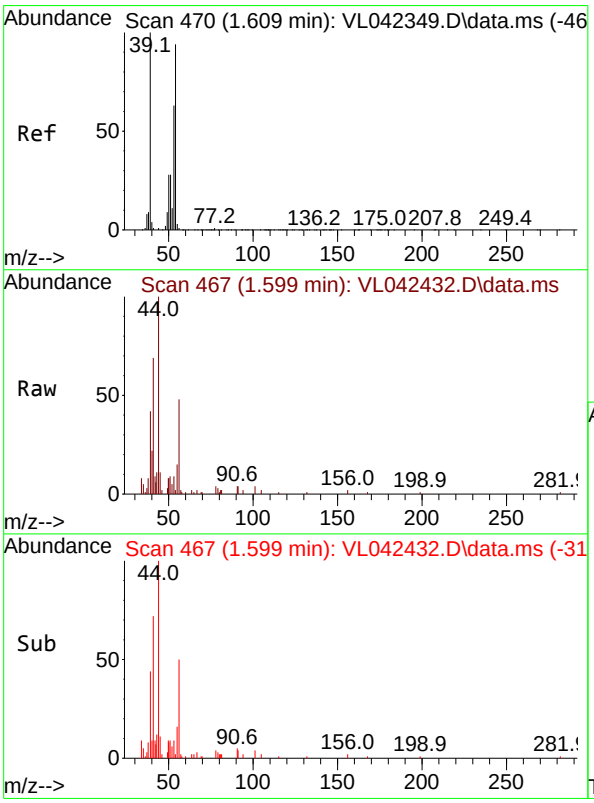
#15
Acetone
Concen: 10.380 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 43 Resp: 208956

Ion	Ratio	Lower	Upper
43	100		
58	25.1	22.4	33.6

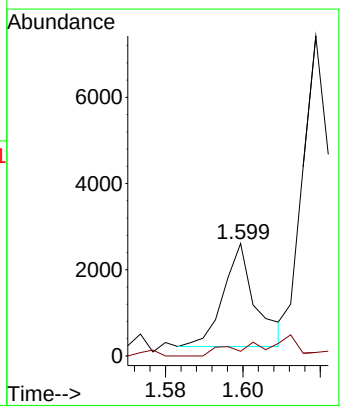


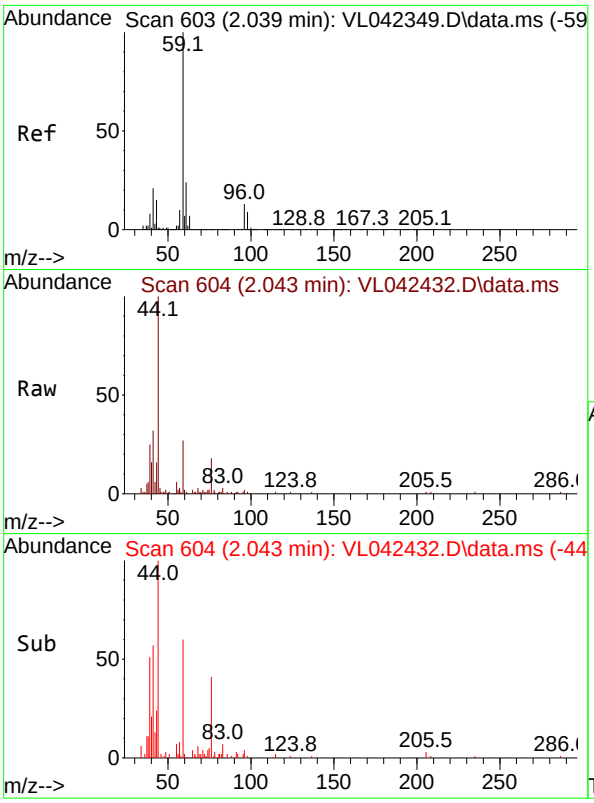


#16
1,3-Butadiene
Concen: 0.143 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.009 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 39 Resp: 1376

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.9	97.3#



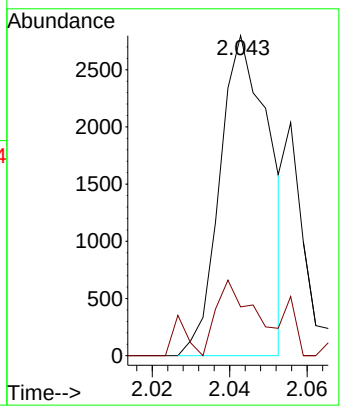


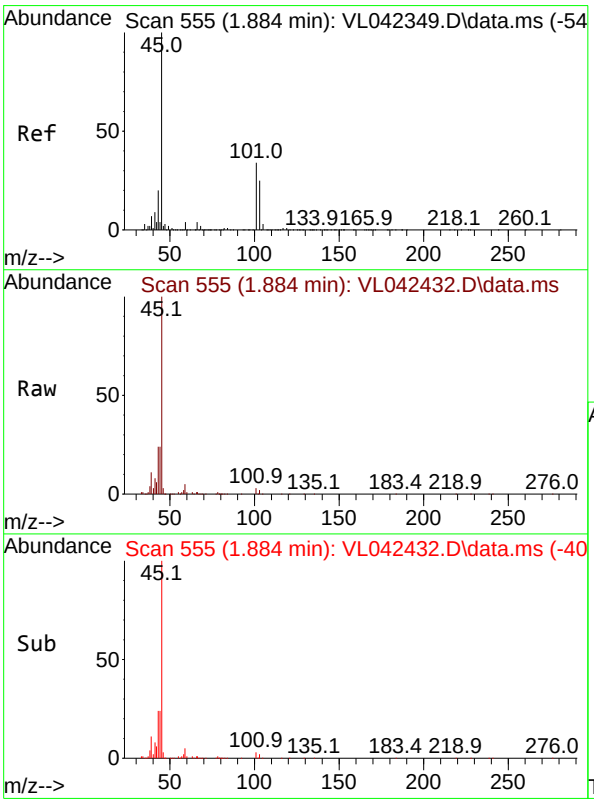
#17
tert-Butyl alcohol
Concen: 0.100 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.004 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 59 Resp: 2487

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

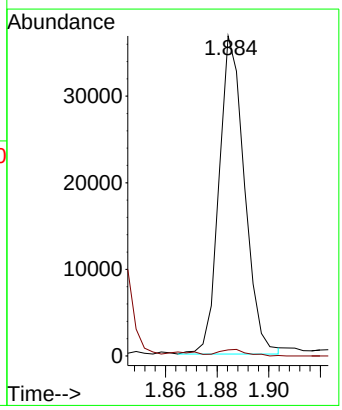


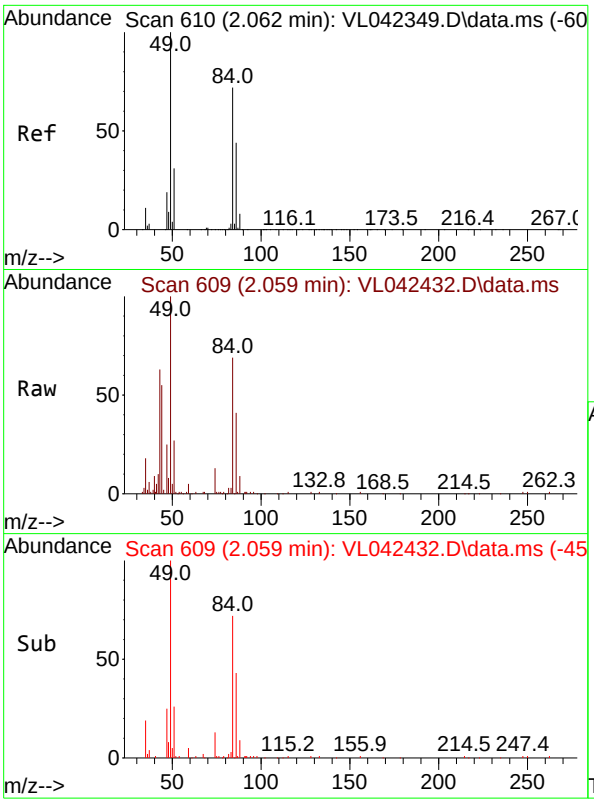


#19
Isopropyl Alcohol
Concen: 2.245 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 45 Resp: 25110

Ion	Ratio	Lower	Upper
45	100		
58	208.6	34.5	51.7#



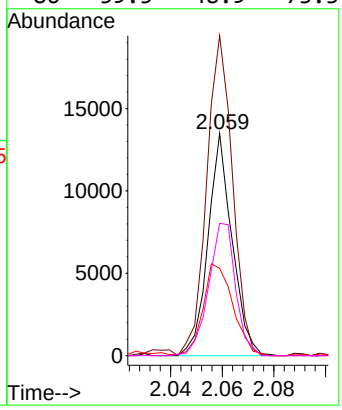


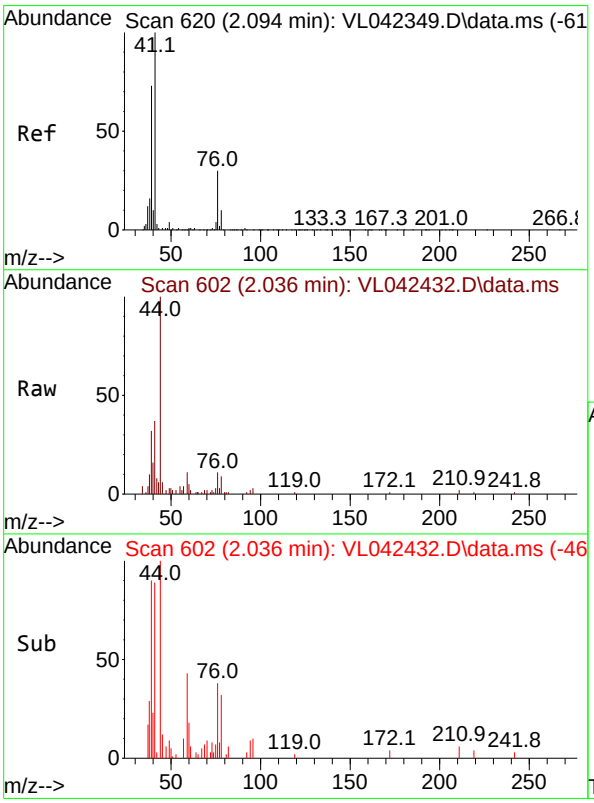
#20
Methylene Chloride
Concen: 1.110 ppbv
RT: 2.059 min Scan# 6(
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 84 Resp: 8748

Ion	Ratio	Lower	Upper
84	100		
49	144.0	111.6	167.4
51	39.3	35.1	52.7
86	59.5	48.9	73.3

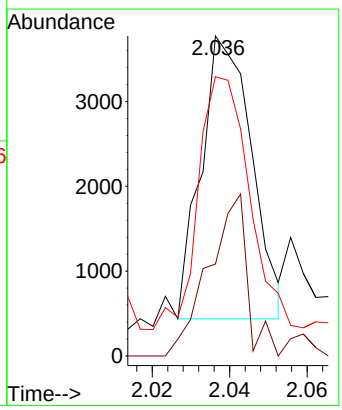


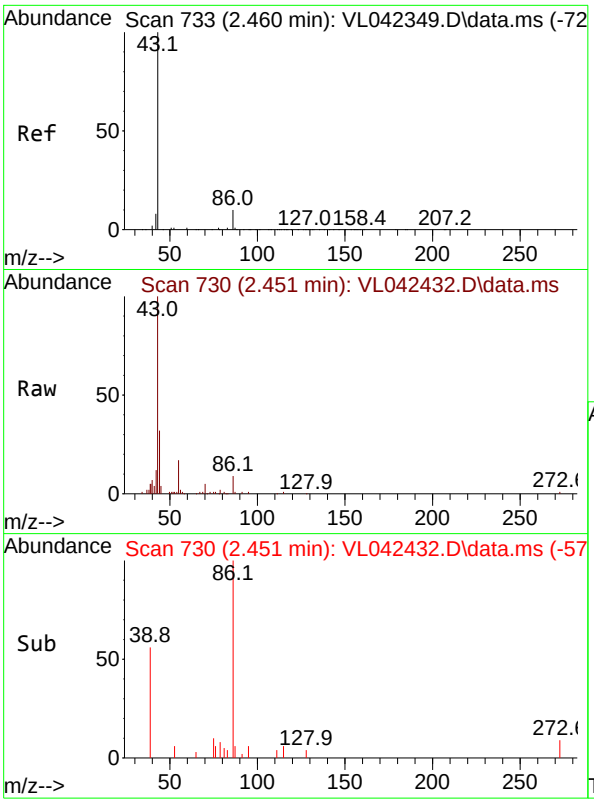


#21
Allyl Chloride
Concen: 0.217 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.058 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 41 Resp: 3019

Ion	Ratio	Lower	Upper
41	100		
76	47.4	24.8	37.2#
39	90.5	60.6	90.8



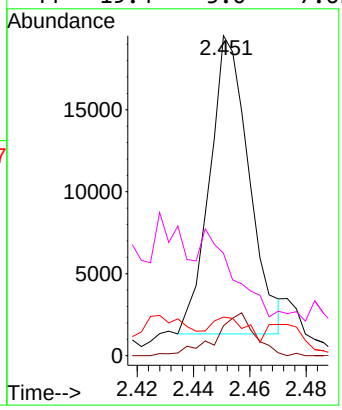


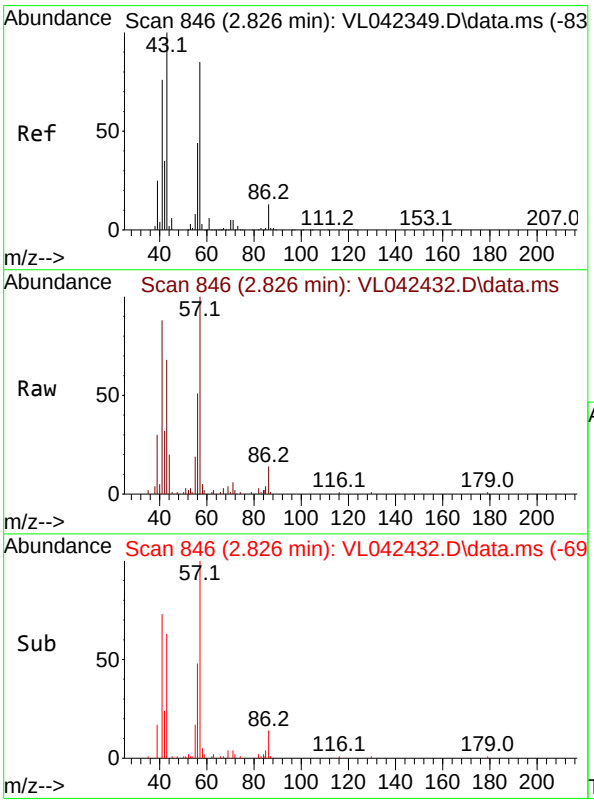
#23
Vinyl Acetate
Concen: 2.162 ppbv
RT: 2.451 min Scan# 7
Delta R.T. -0.009 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 43 Resp: 17620

Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.5	9.7
42	2.5	7.8	11.8#
44	19.4	5.0	7.6#

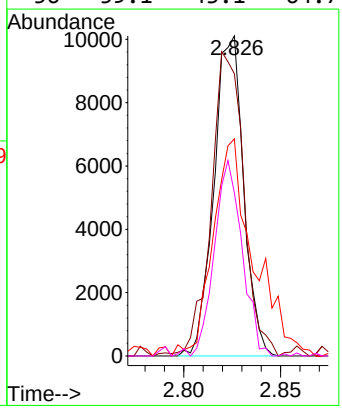


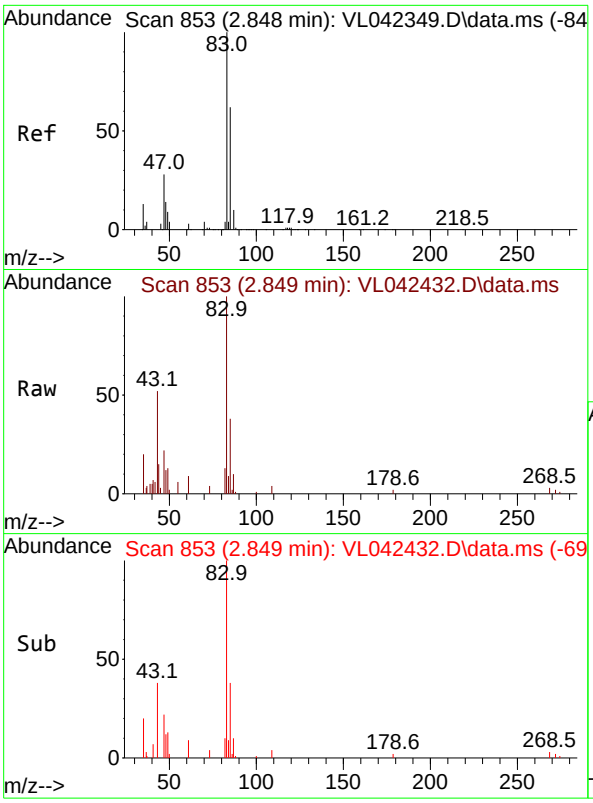


#26
Hexane
Concen: 0.536 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 57 Resp: 10774

Ion	Ratio	Lower	Upper
57	100		
41	107.7	77.9	116.9
43	89.7	208.4	312.6#
56	59.1	43.1	64.7



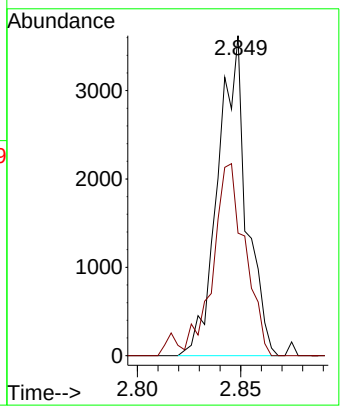


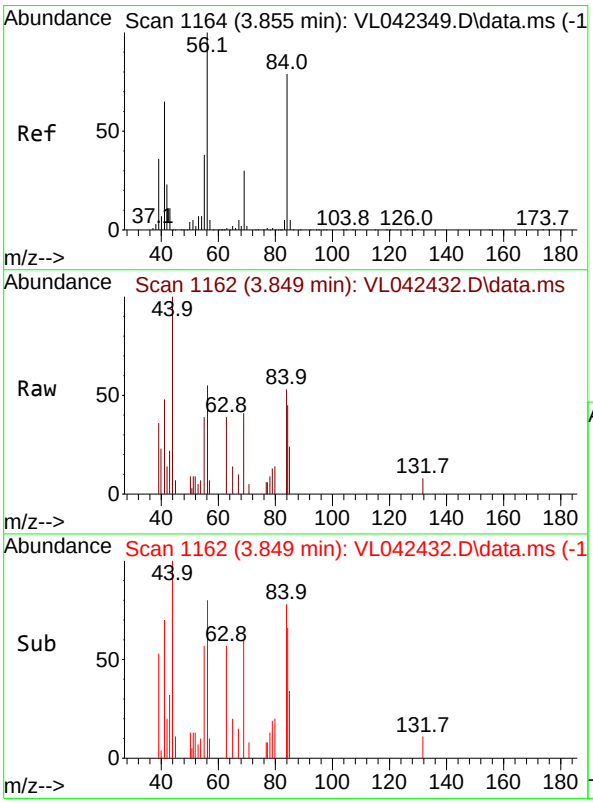
#29
Chloroform
Concen: 0.123 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 83 Resp: 3495

Ion	Ratio	Lower	Upper
83	100		
85	38.3	50.0	75.0#

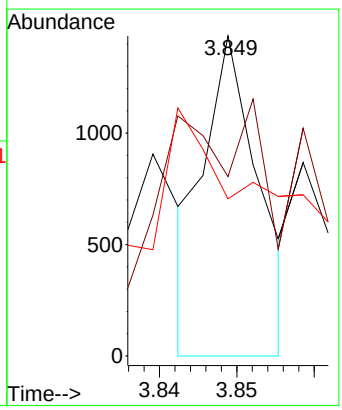


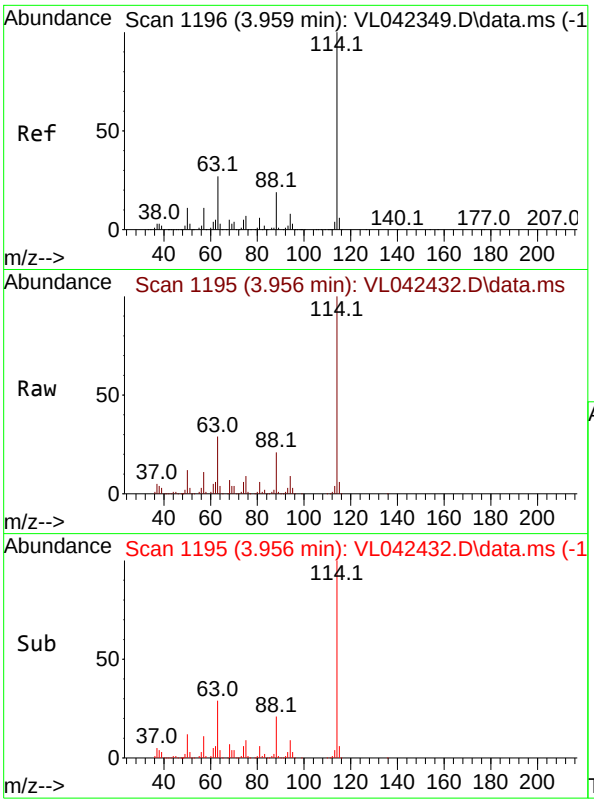


#30
Cyclohexane
Concen: 0.043 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.006 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 84 Resp: 705

Ion	Ratio	Lower	Upper
84	100		
56	239.3	101.0	151.4#
41	0.0	67.4	101.0#



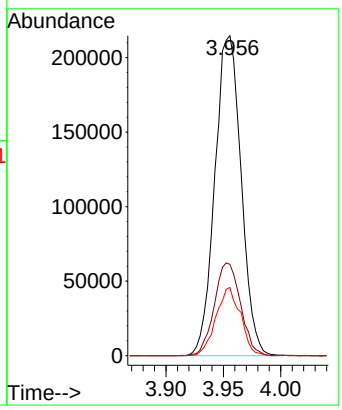


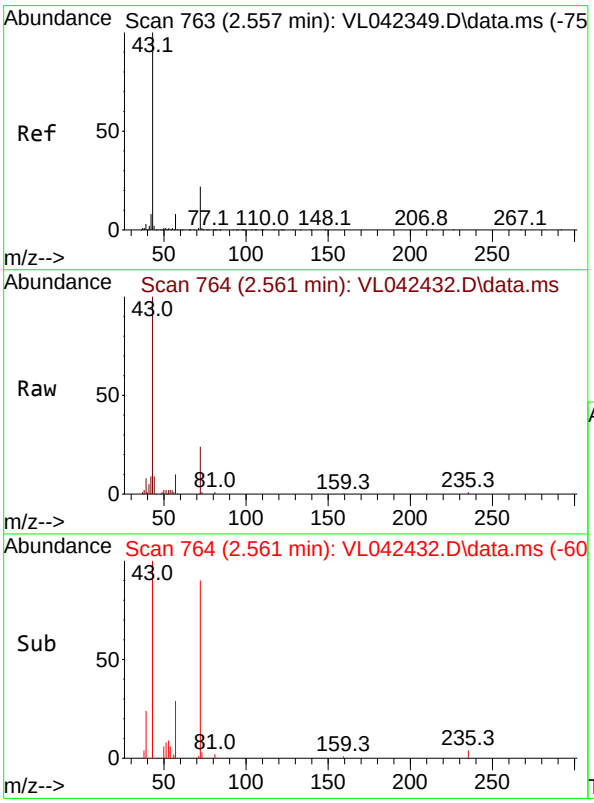
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion:114 Resp: 342098

Ion	Ratio	Lower	Upper
114	100		
63	29.0	21.8	32.6
88	19.9	15.5	23.3

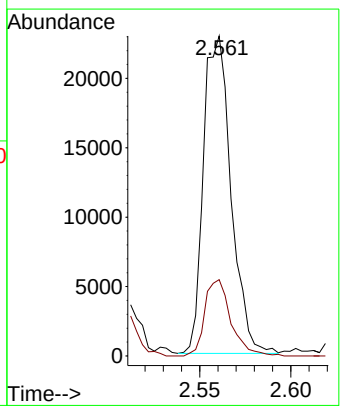


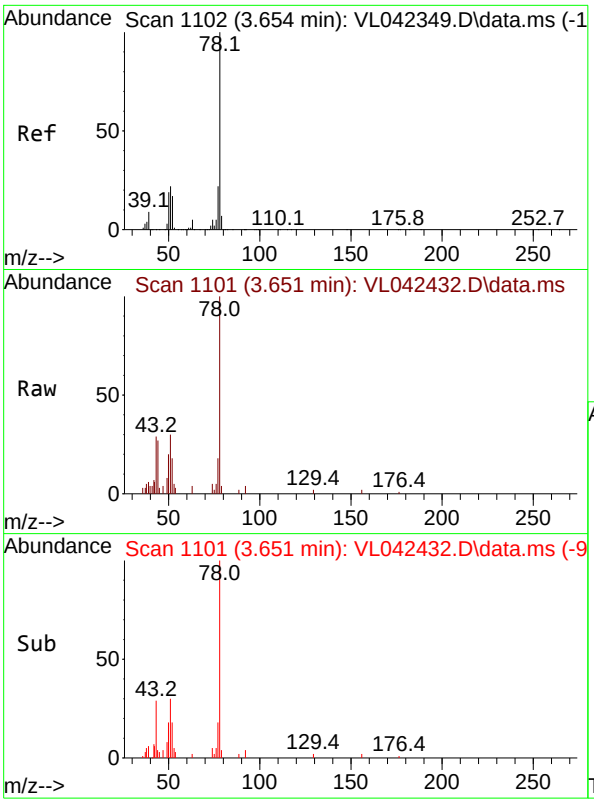


#34
2-Butanone
Concen: 0.892 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.004 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 43 Resp: 24147

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.2	27.2



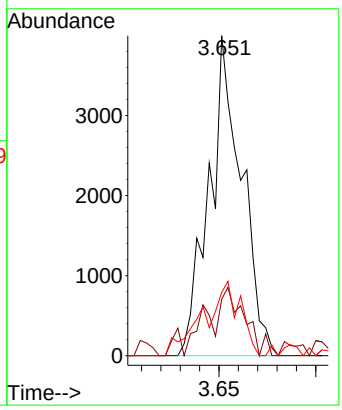


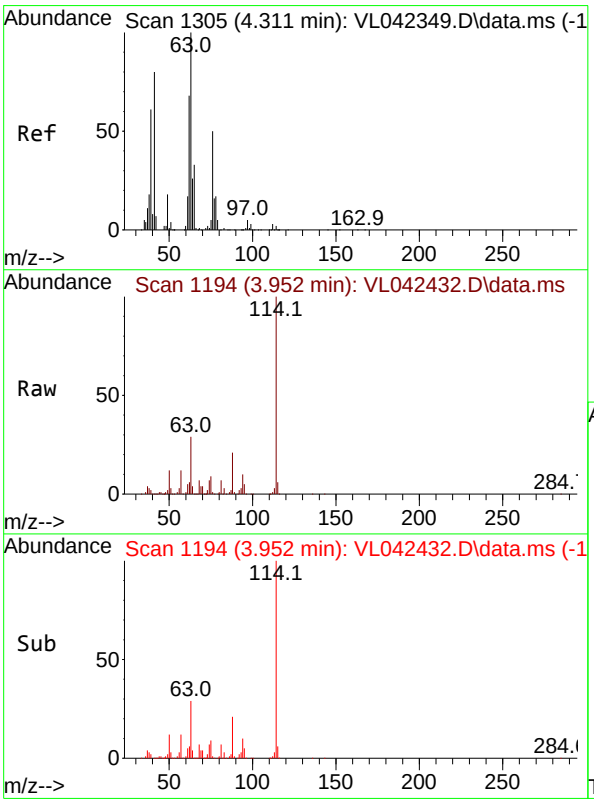
#36
Benzene
Concen: 0.126 ppbv
RT: 3.651 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 78 Resp: 4659

Ion	Ratio	Lower	Upper
78	100		
77	17.6	17.4	26.0
50	19.8	15.5	23.3

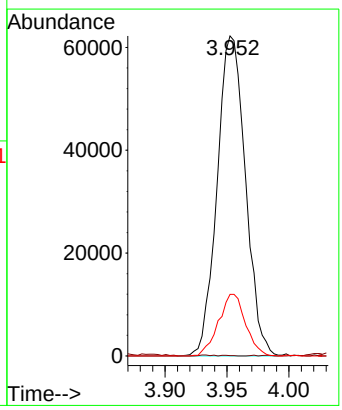


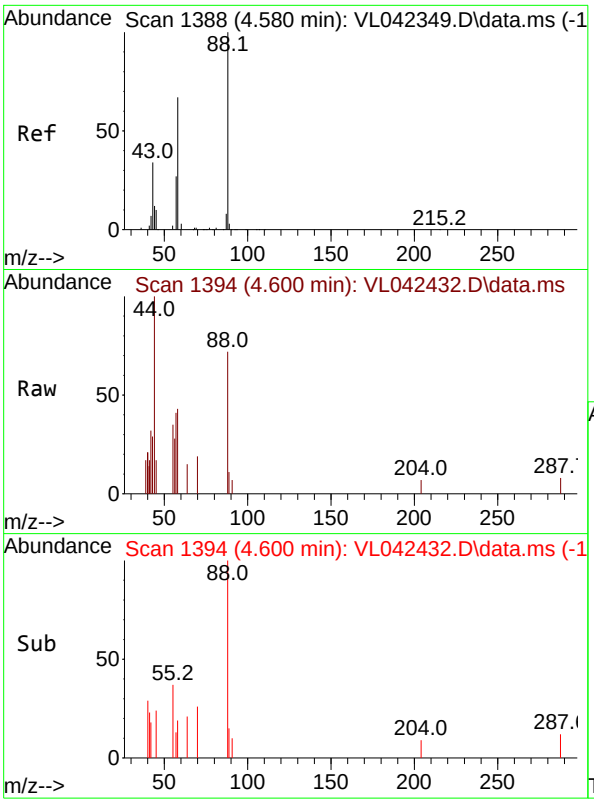


#39
1,2-Dichloropropane
Concen: 7.208 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.359 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 63 Resp: 99107

Ion	Ratio	Lower	Upper
63	100		
41	0.1	64.2	96.2#
62	19.3	54.3	81.5#



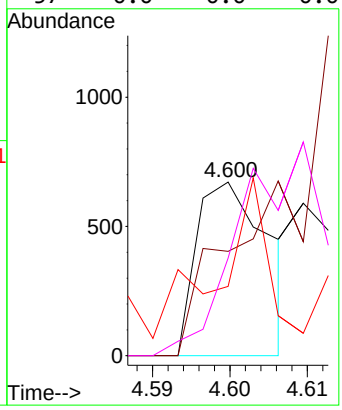


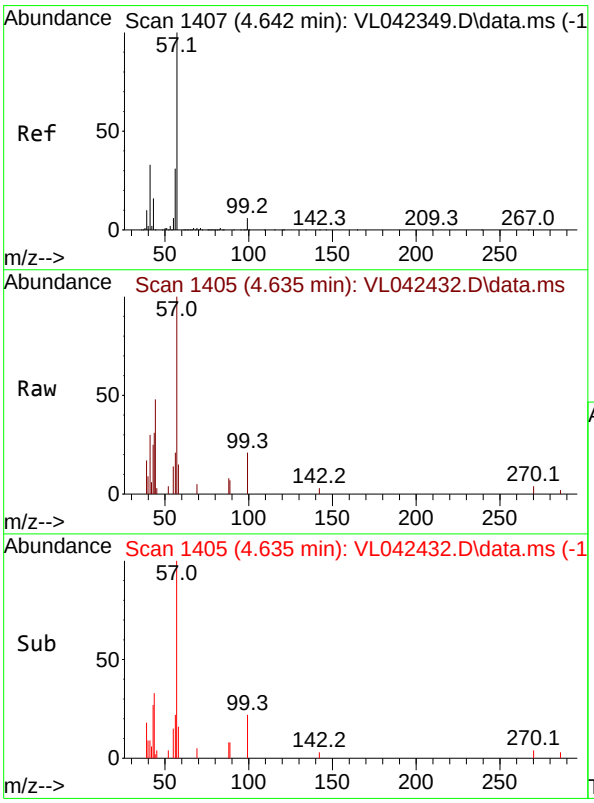
#40
1,4-Dioxane
Concen: 0.057 ppbv
RT: 4.600 min Scan# 1
Delta R.T. 0.020 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 88 Resp: 433

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.4	92.0#
43	69.7	23.2	34.8#
57	0.0	0.0	0.0

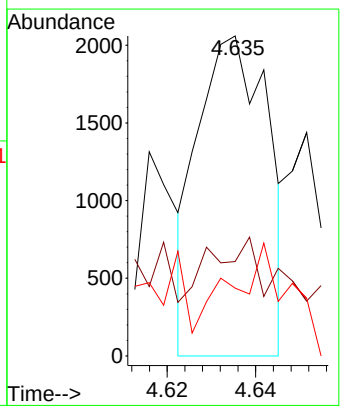


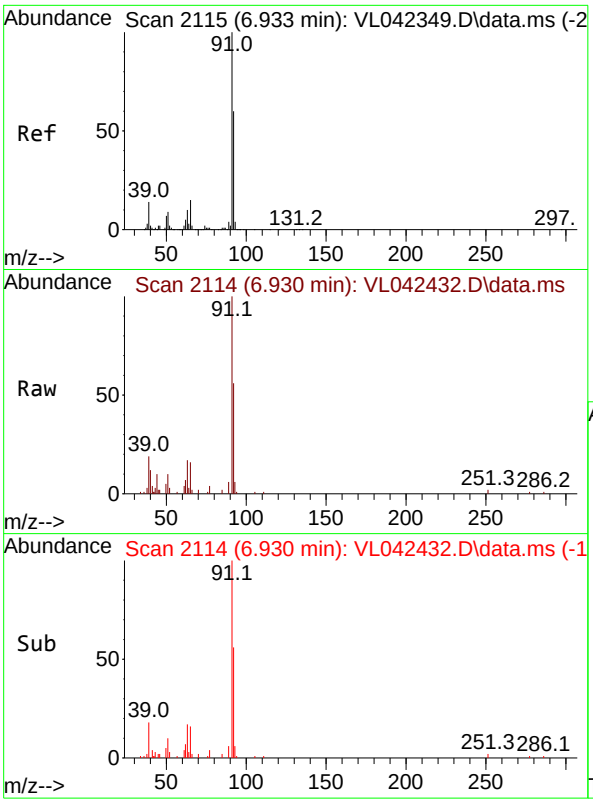


#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 57 Resp: 2253

Ion	Ratio	Lower	Upper
57	100		
41	105.4	27.2	40.8#
56	71.5	25.7	38.5#



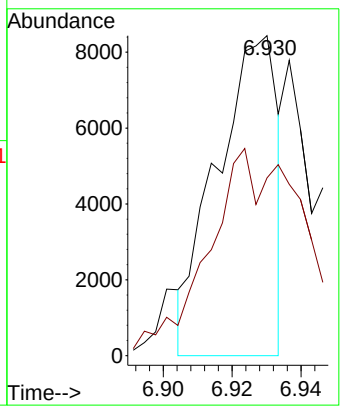


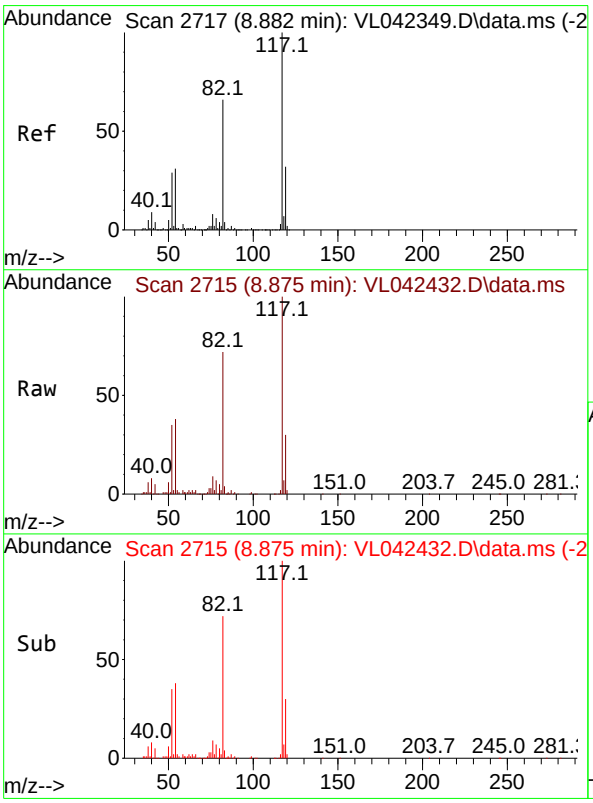
#53
Toluene
Concen: 0.233 ppbv
RT: 6.930 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 91 Resp: 10296

Ion	Ratio	Lower	Upper
91	100		
92	104.1	48.2	72.4#

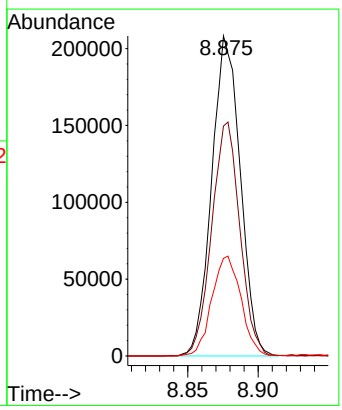


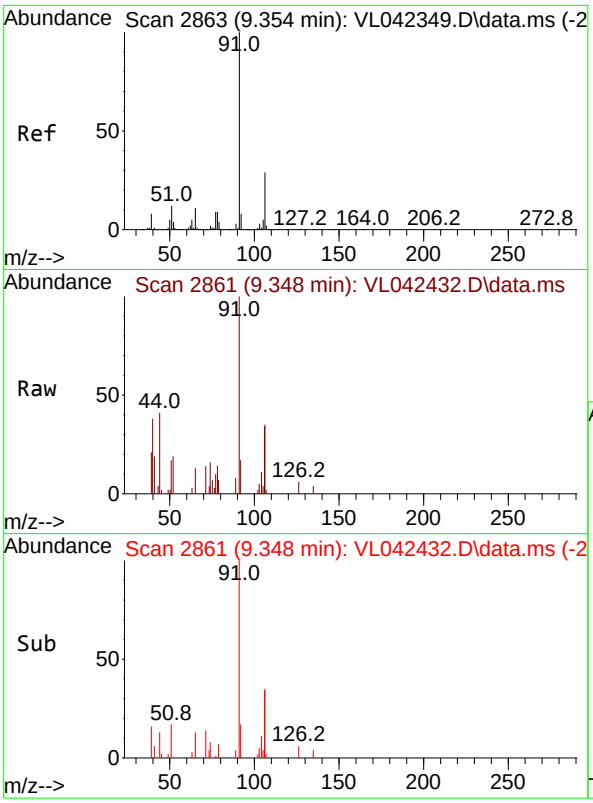


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion:117 Resp: 294438

Ion	Ratio	Lower	Upper
117	100		
82	72.1	57.8	86.6
119	31.8	25.2	37.8



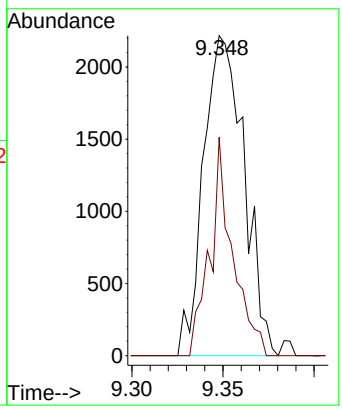


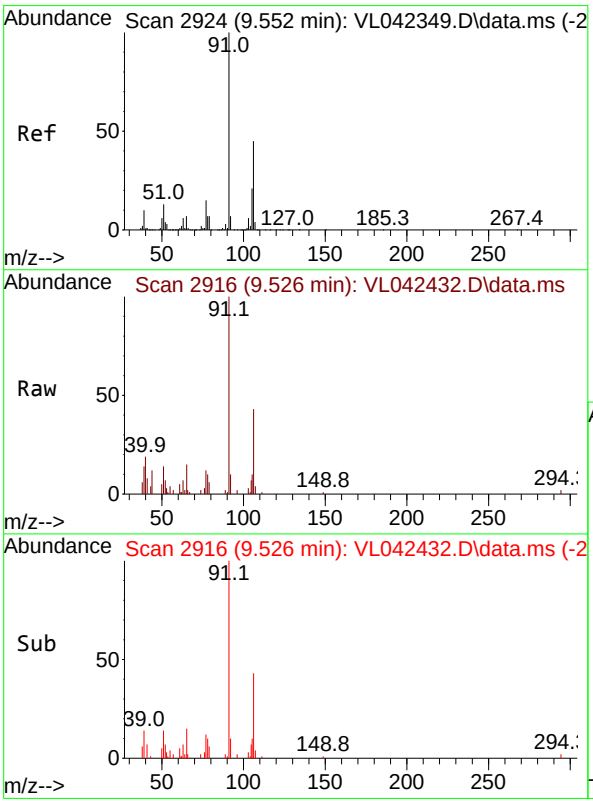
#58
Ethyl Benzene
Concen: 0.059 ppbv
RT: 9.348 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 91 Resp: 3441

Ion	Ratio	Lower	Upper
91	100		
106	58.2	23.0	34.4#

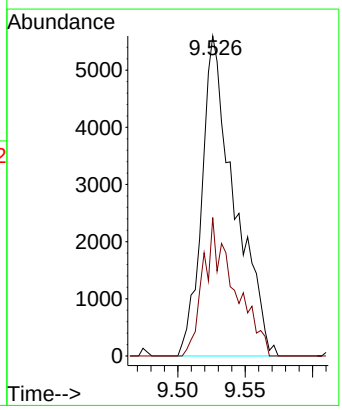


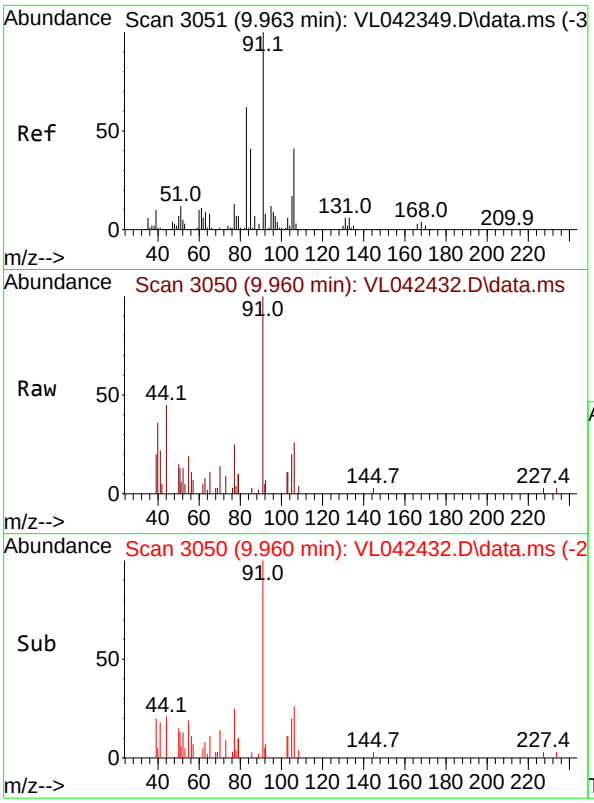


#59
m/p-Xylene
Concen: 0.201 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 91 Resp: 9433

Ion	Ratio	Lower	Upper
91	100		
106	41.1	35.4	53.2



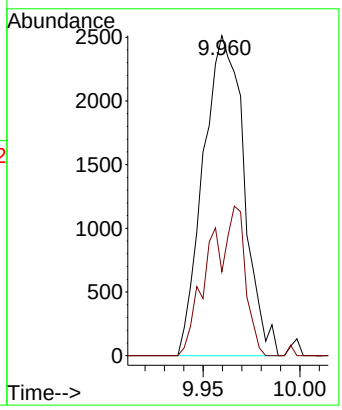


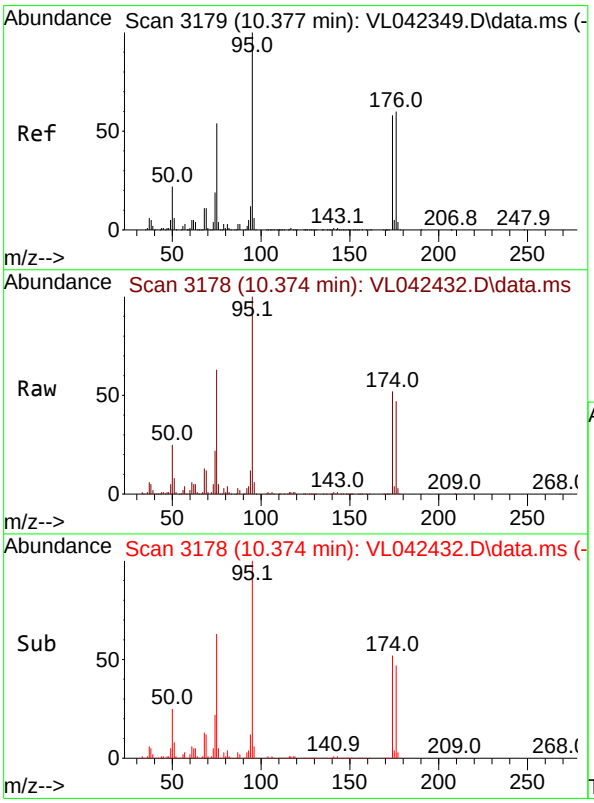
#60
o-Xylene
Concen: 0.078 ppbv
RT: 9.960 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion: 91 Resp: 3674

Ion	Ratio	Lower	Upper
91	100		
106	42.1	21.1	63.4

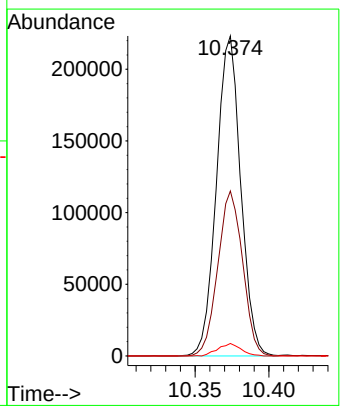


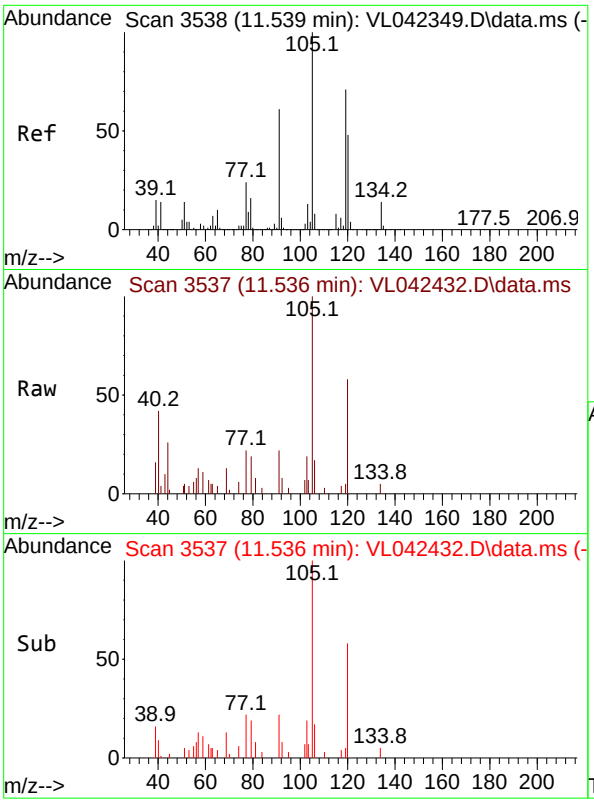


#68
1-Bromo-4-Fluorobenzene
Concen: 10.554 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Tgt Ion: 95 Resp: 255363

Ion	Ratio	Lower	Upper
95	100		
174	52.6	48.5	72.7
175	3.7	3.7	5.5



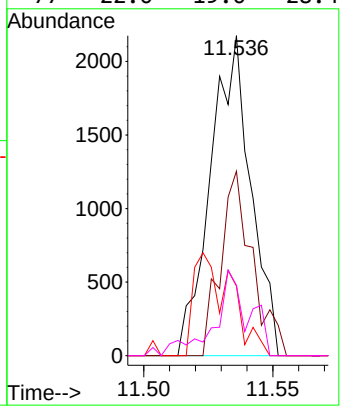


#74
1,2,4-Trimethylbenzene
Concen: 0.039 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042432.D
Acq: 28 Apr 2025 18:35

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-DUP01-20250423

Tgt Ion:105 Resp: 2355

Ion	Ratio	Lower	Upper
105	100		
120	57.7	38.1	57.1#
91	21.7	48.8	73.2#
77	22.0	19.0	28.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042433.D
Acq On : 28 Apr 2025 19:08
Operator : SY/MD
Sample : Q1880-09
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Quant Time: Apr 29 01:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

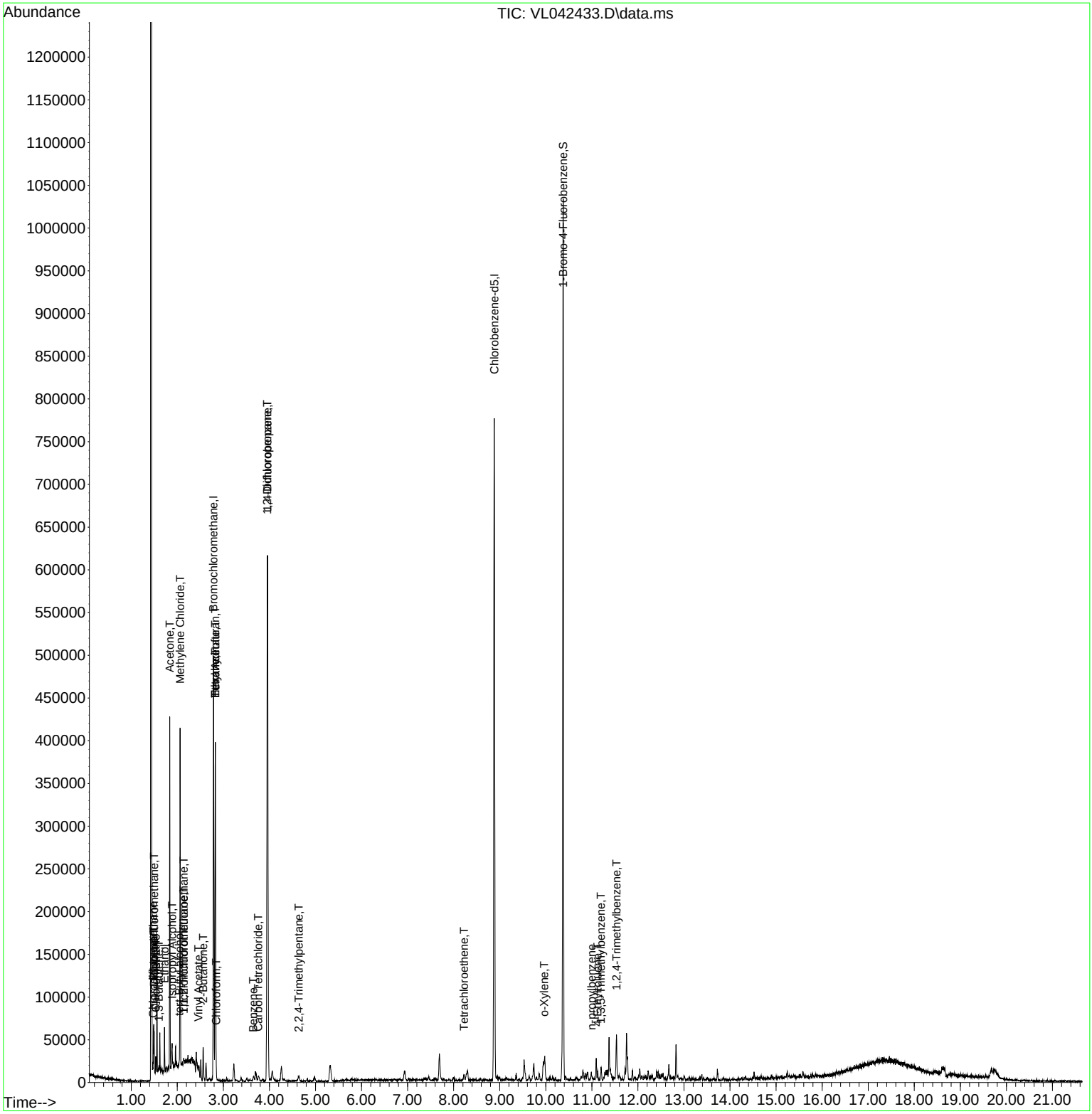
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	124369	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	336623	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	285626	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	259048	11.037	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11120	0.506	ppbv		94
3) Chlorodifluoromethane	1.476	51	7475	0.357	ppbv		92
4) Chloromethane	1.531	50	5271	0.606	ppbv	#	88
9) Propene	1.489	41	4141	0.435	ppbv	#	76
11) Trichlorofluoromethane	2.140	101	1253	0.060	ppbv		93
12) 1,1,2-Trichlorotrifluo...	2.140	101	1253	0.073	ppbv		89
13) Ethanol	1.722	45	16946	11.189	ppbv		77
15) Acetone	1.835	43	168143	8.259	ppbv		99
16) 1,3-Butadiene	1.599	39	1316	0.135	ppbv	#	9
17) tert-Butyl alcohol	2.043	59	2520	0.100	ppbv	#	52
19) Isopropyl Alcohol	1.887	45	10020	0.886	ppbv	#	1
20) Methylene Chloride	2.062	84	57715	7.238	ppbv		94
23) Vinyl Acetate	2.457	43	6424	0.780	ppbv	#	87
25) Ethyl Acetate	2.826	43	61940	1.234	ppbv	#	77
26) Hexane	2.826	57	90698	4.465	ppbv	#	31
29) Chloroform	2.849	83	927	0.032	ppbv	#	40
34) 2-Butanone	2.560	43	22290	0.837	ppbv		95
35) Carbon Tetrachloride	3.758	117	1020	0.033	ppbv	#	57
36) Benzene	3.651	78	2138	0.059	ppbv	#	76
39) 1,2-Dichloropropane	3.955	63	93535	6.913	ppbv	#	23
41) Tetrahydrofuran	2.826	42	34912	2.249	ppbv	#	50
44) 2,2,4-Trimethylpentane	4.638	57	2259	0.036	ppbv	#	42
52) Tetrachloroethene	8.225	164	443	0.032	ppbv	#	48
60) o-Xylene	9.966	91	5458	0.119	ppbv		96
64) n-propylbenzene	10.992	120	947	0.056	ppbv		65
72) 4-Ethyltoluene	11.125	105	4179	0.074	ppbv	#	56
73) 1,3,5-Trimethylbenzene	11.199	105	4138	0.084	ppbv	#	82
74) 1,2,4-Trimethylbenzene	11.536	105	15504	0.268	ppbv	#	71

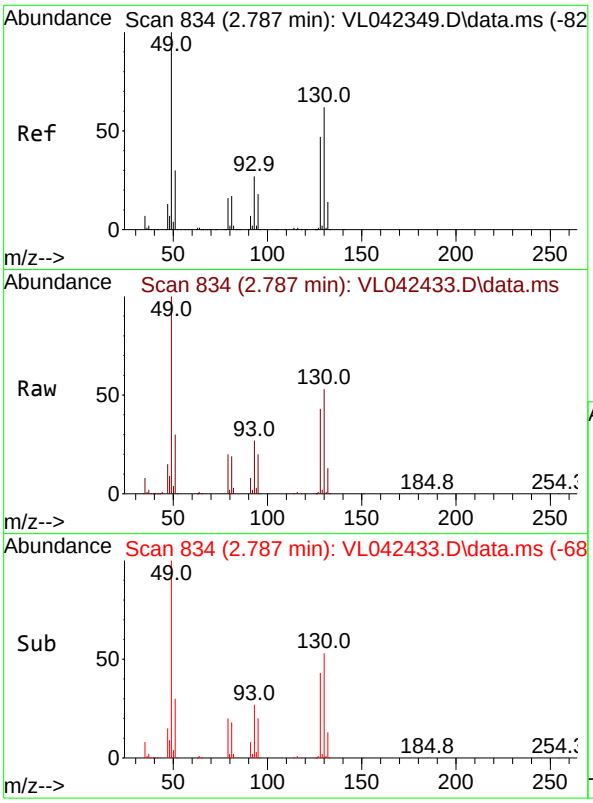
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042433.D
Acq On : 28 Apr 2025 19:08
Operator : SY/MD
Sample : Q1880-09
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Quant Time: Apr 29 01:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



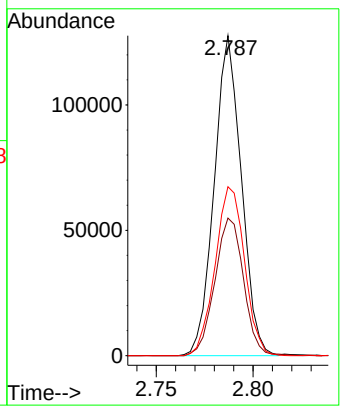


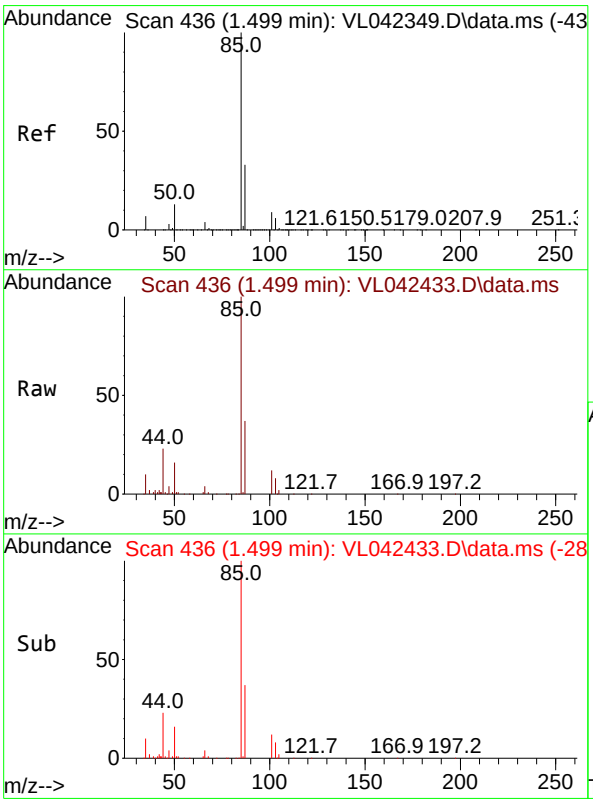
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 49 Resp: 124369

Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.8	68.4
130	57.4	29.3	88.0

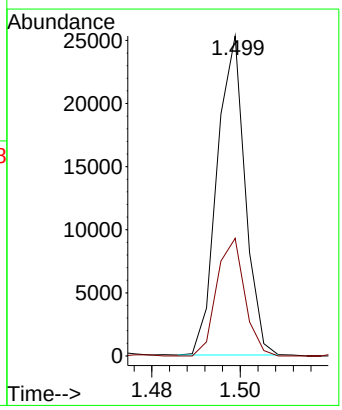


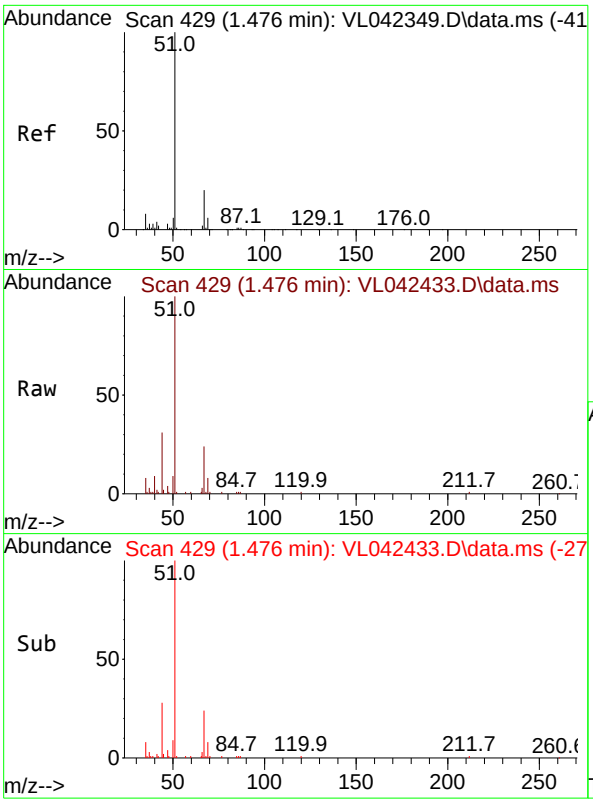


#2
Dichlorodifluoromethane
Concen: 0.506 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 85 Resp: 11120

Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.6	39.8



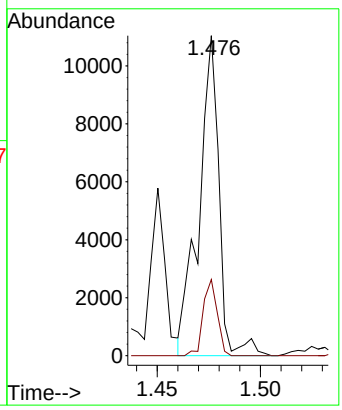


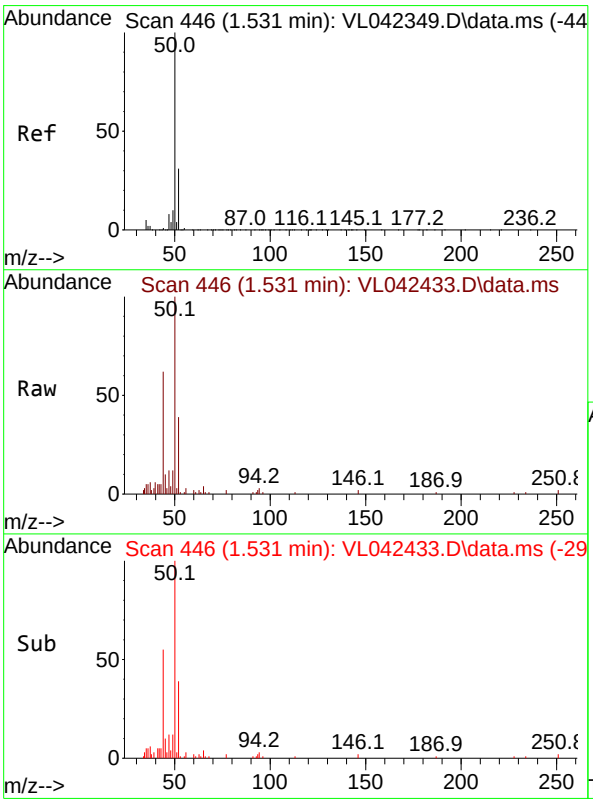
#3
Chlorodifluoromethane
Concen: 0.357 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 51 Resp: 7475

Ion	Ratio	Lower	Upper
51	100		
67	16.6	16.2	24.4

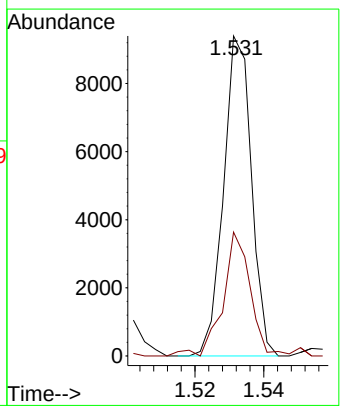


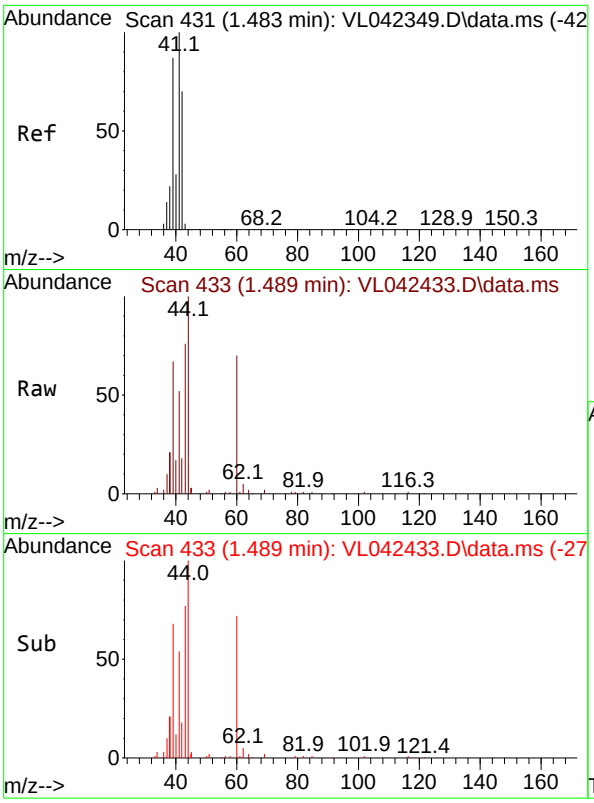


#4
Chloromethane
Concen: 0.606 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 50 Resp: 5271

Ion	Ratio	Lower	Upper
50	100		
52	37.4	24.7	37.1#



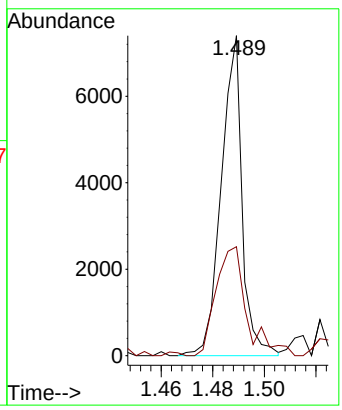


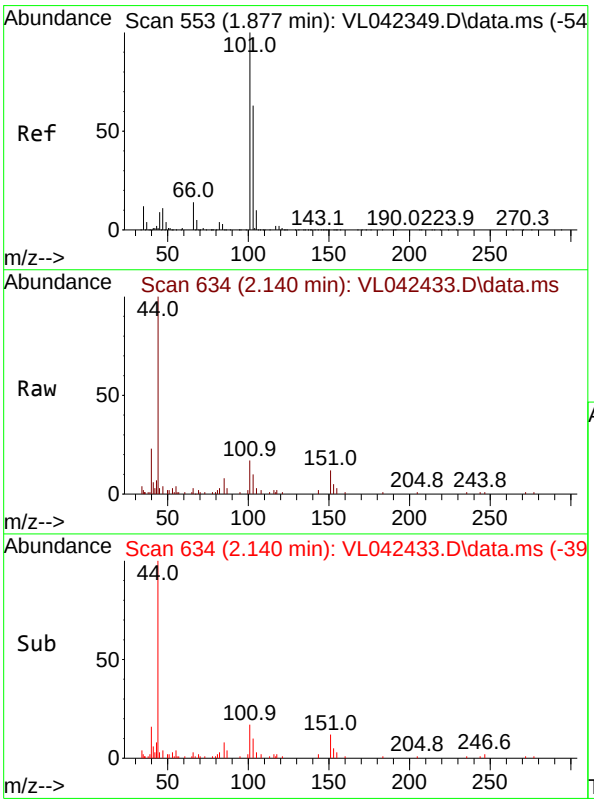
#9
Propene
Concen: 0.435 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 41 Resp: 4141

Ion	Ratio	Lower	Upper
41	100		
42	50.9	56.2	84.4#

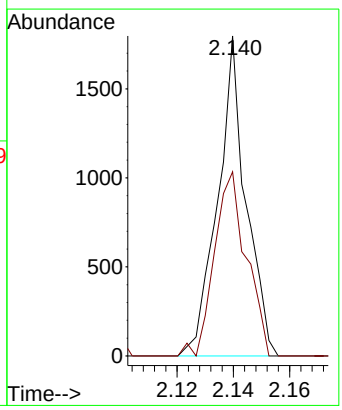


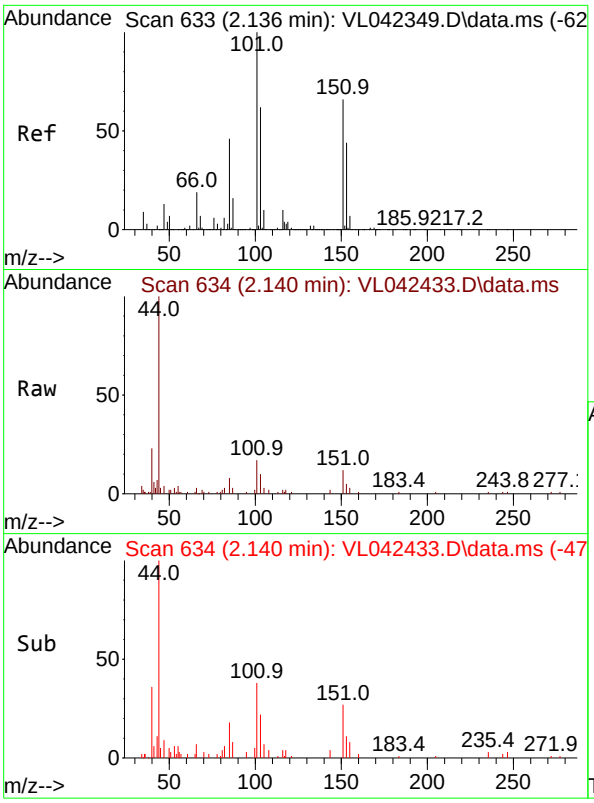


#11
Trichlorofluoromethane
Concen: 0.060 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.262 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:101 Resp: 1253

Ion	Ratio	Lower	Upper
101	100		
103	57.5	50.1	75.1



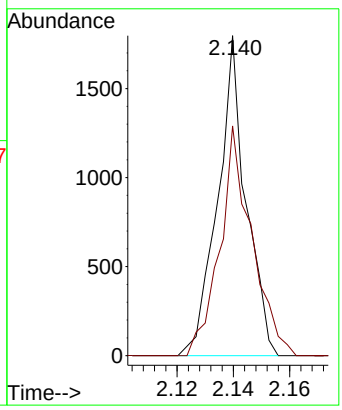


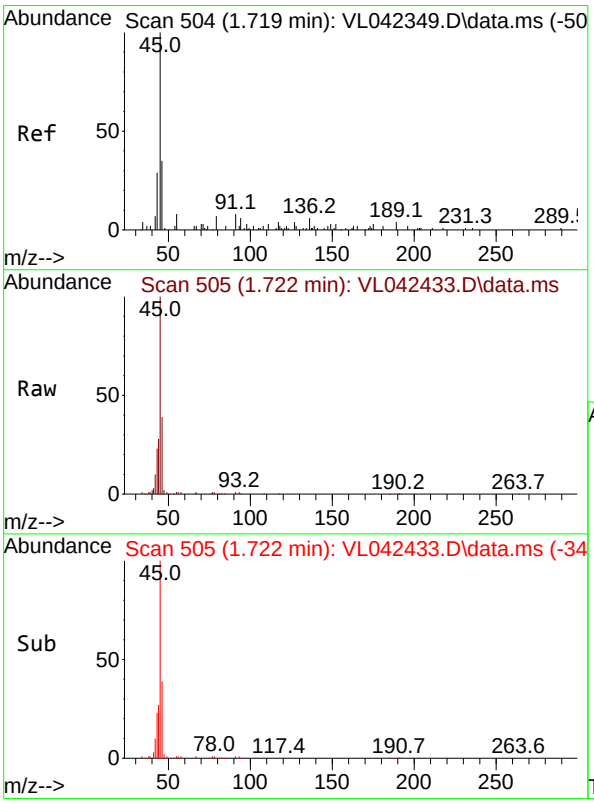
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.073 ppbv
RT: 2.140 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion:101 Resp: 1253

Ion	Ratio	Lower	Upper
101	100		
151	80.8	57.0	85.6

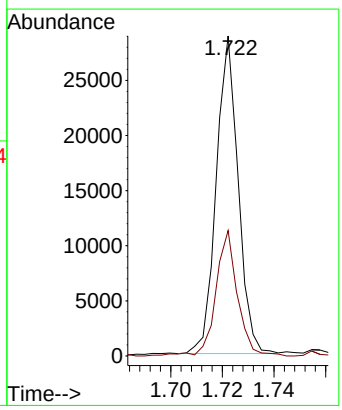


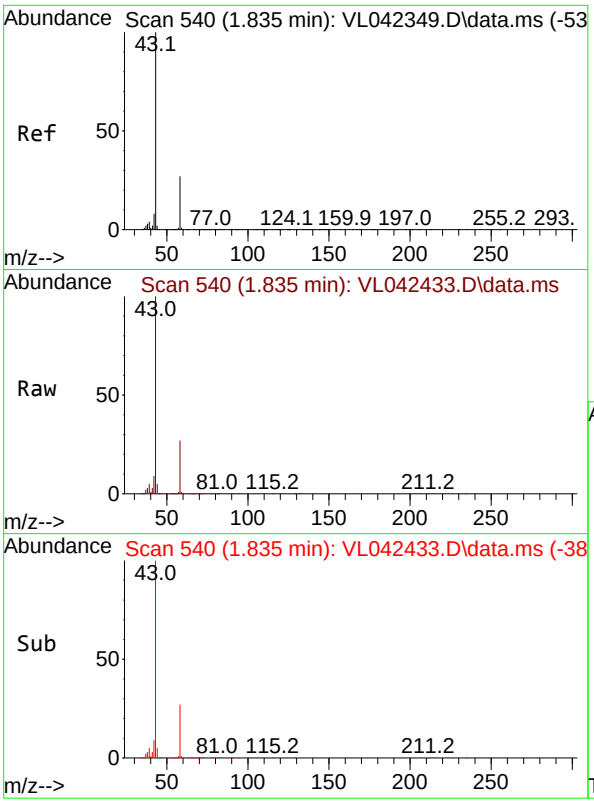


#13
Ethanol
Concen: 11.189 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 45 Resp: 16946

Ion	Ratio	Lower	Upper
45	100		
46	38.1	21.9	87.7



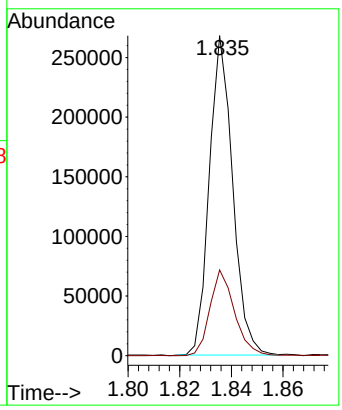


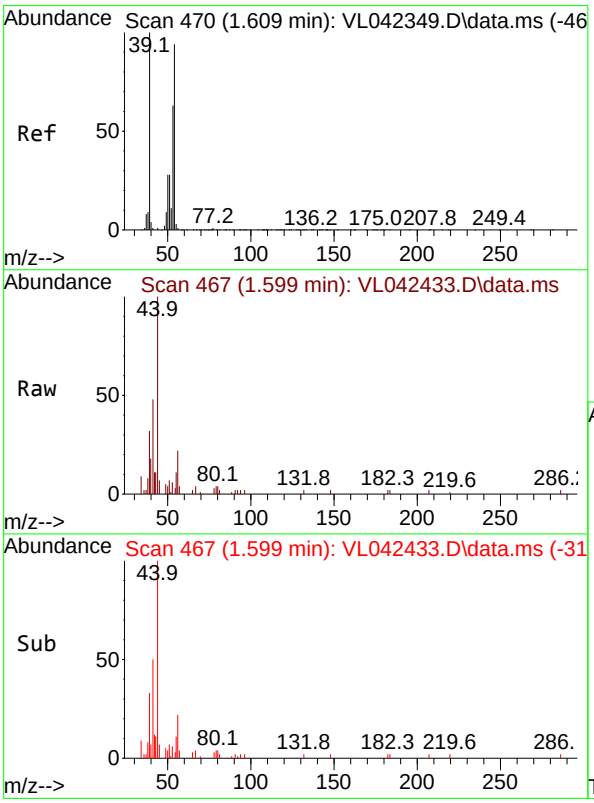
#15
Acetone
Concen: 8.259 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 43 Resp: 168143

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.4	33.6

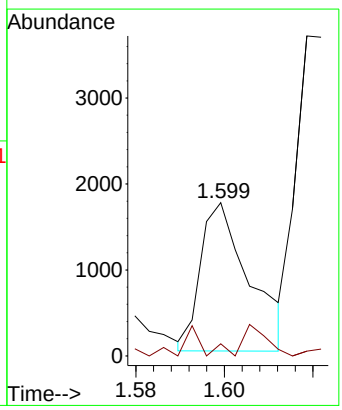


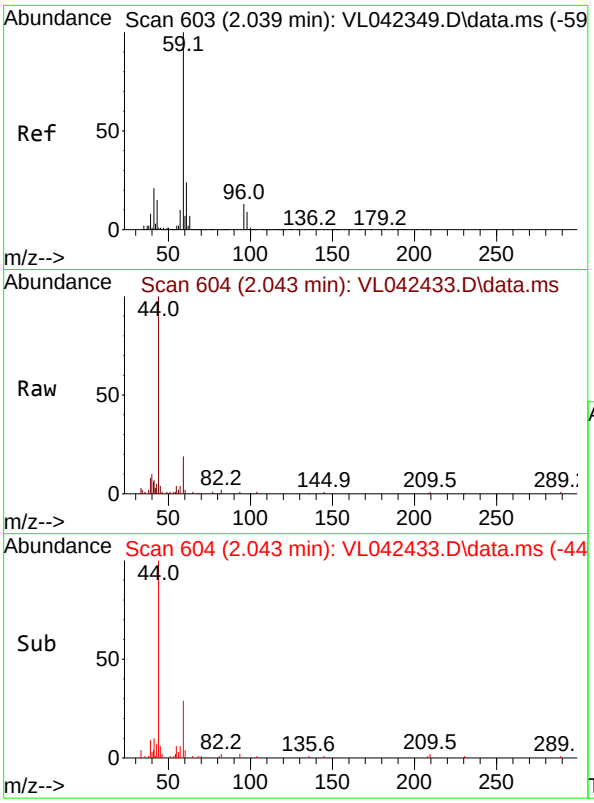


#16
1,3-Butadiene
Concen: 0.135 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.010 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 39 Resp: 1316

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.9	97.3#



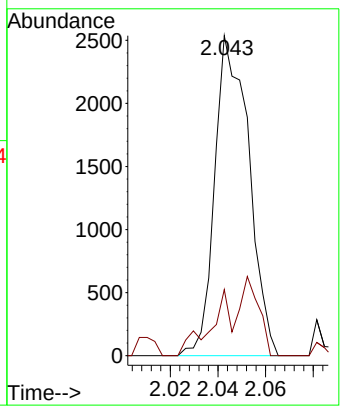


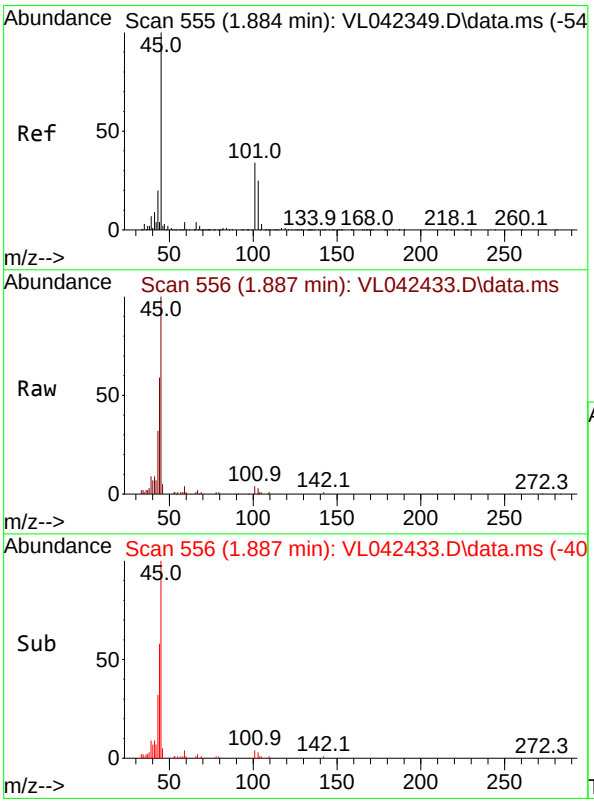
#17
tert-Butyl alcohol
Concen: 0.100 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 59 Resp: 2520

Ion	Ratio	Lower	Upper
59	100		
57	29.0	8.7	13.1#

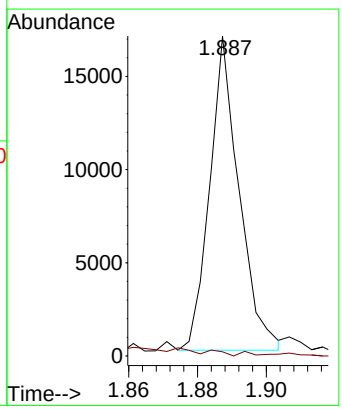


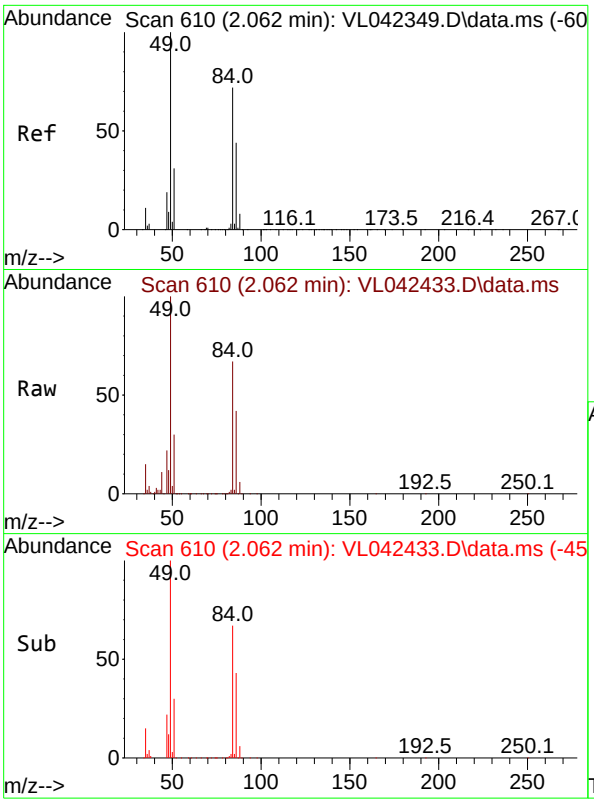


#19
Isopropyl Alcohol
Concen: 0.886 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 45 Resp: 10020

Ion	Ratio	Lower	Upper
45	100		
58	479.7	34.5	51.7#



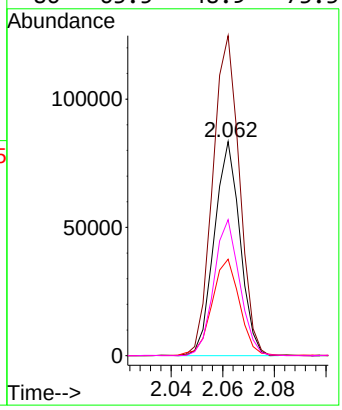


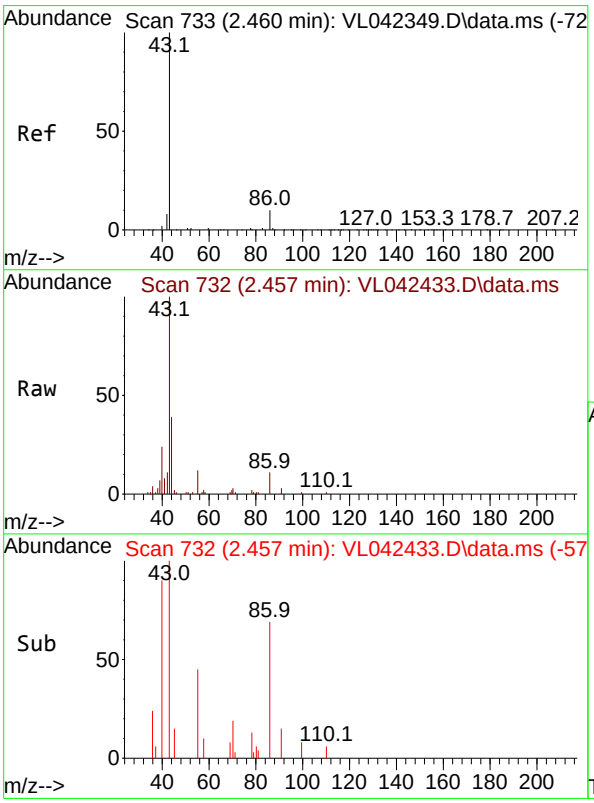
#20
Methylene Chloride
Concen: 7.238 ppbv
RT: 2.062 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 84 Resp: 57715

Ion	Ratio	Lower	Upper
84	100		
49	149.3	111.6	167.4
51	44.9	35.1	52.7
86	63.5	48.9	73.3

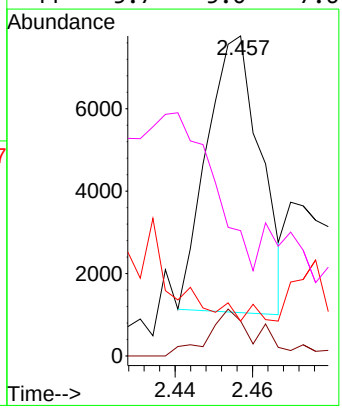


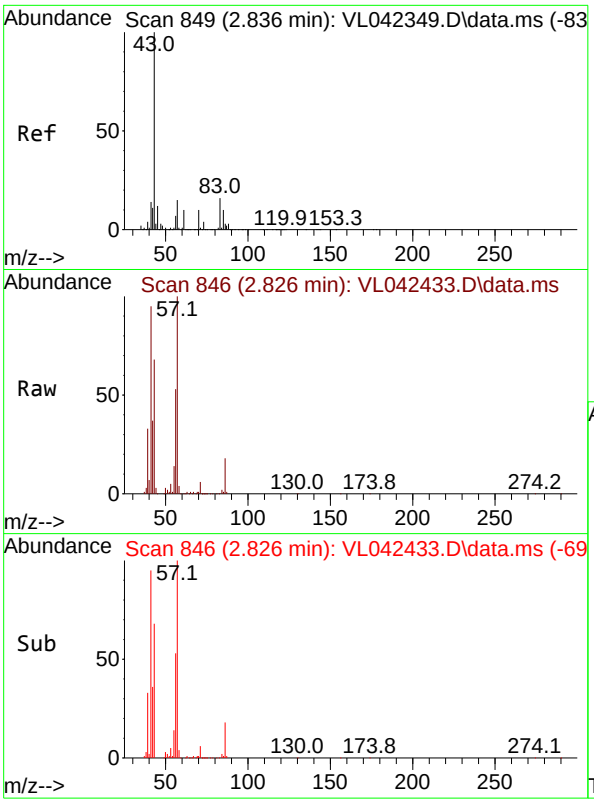


#23
Vinyl Acetate
Concen: 0.780 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.5	9.7
42	0.0	7.8	11.8#
44	5.7	5.0	7.6



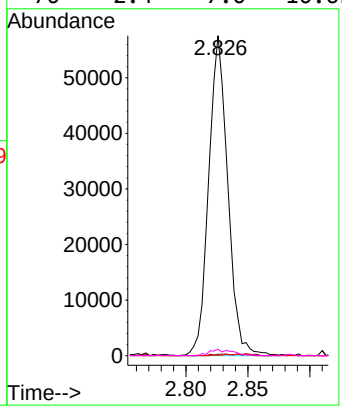


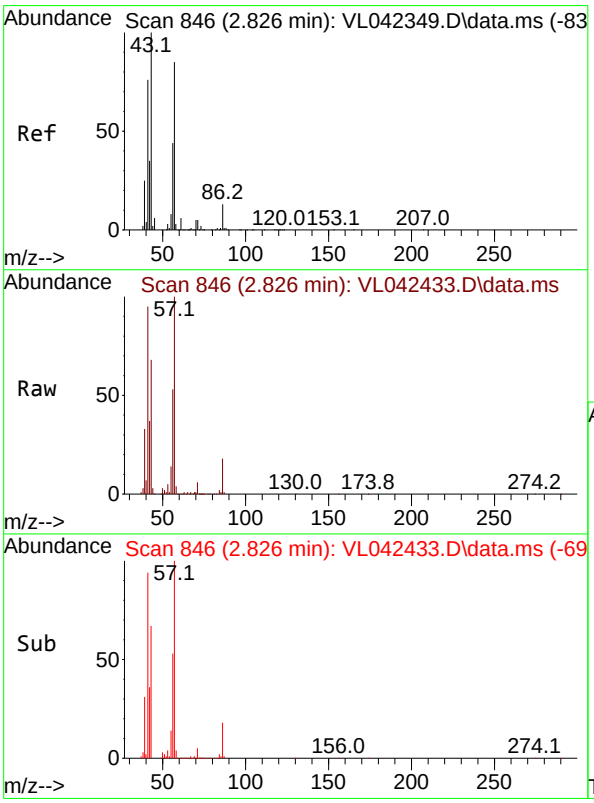
#25
Ethyl Acetate
Concen: 1.234 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 43 Resp: 61940

Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.3	12.5#
61	0.0	7.3	10.9#
70	2.4	7.0	10.6#

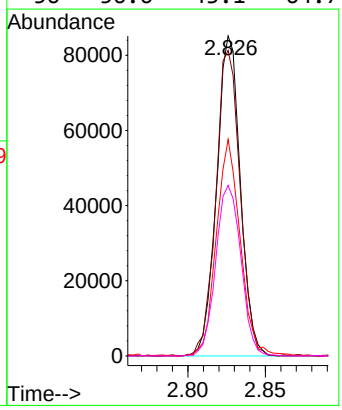


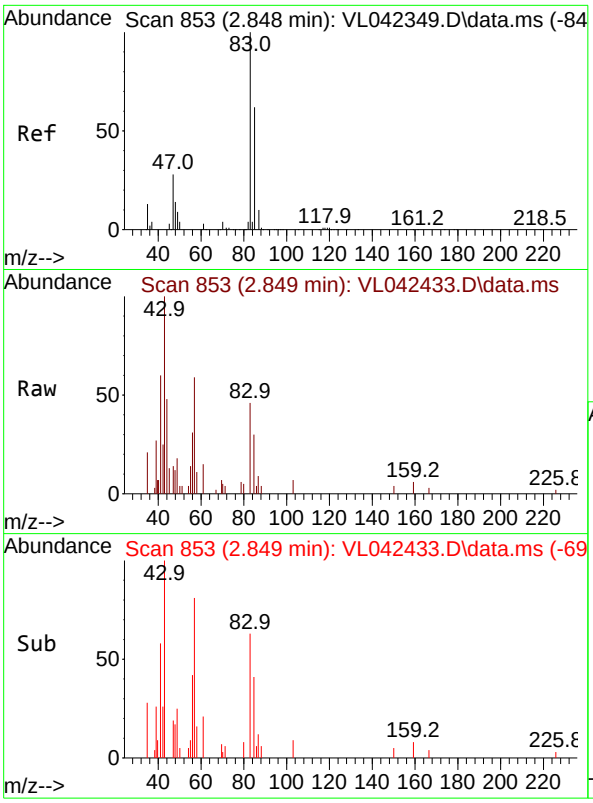


#26
Hexane
Concen: 4.465 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 57 Resp: 90698

Ion	Ratio	Lower	Upper
57	100		
41	98.1	77.9	116.9
43	67.6	208.4	312.6#
56	56.6	43.1	64.7



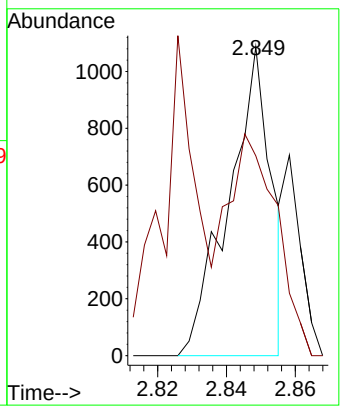


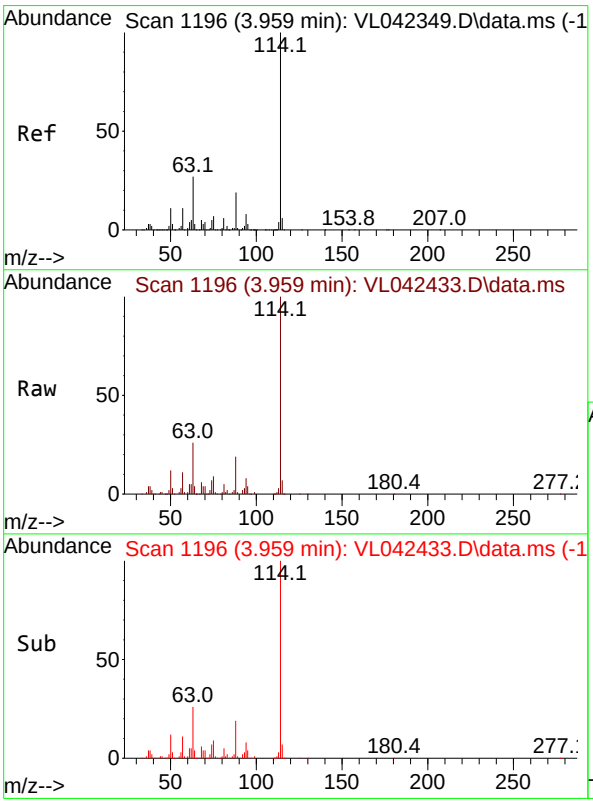
#29
Chloroform
Concen: 0.032 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 83 Resp: 927

Ion	Ratio	Lower	Upper
83	100		
85	16.0	50.0	75.0#

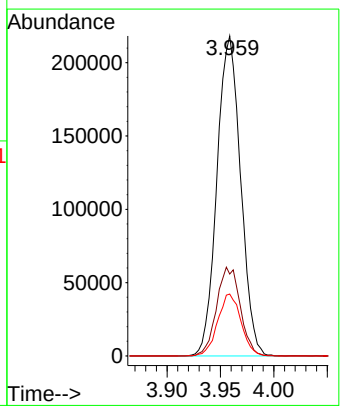


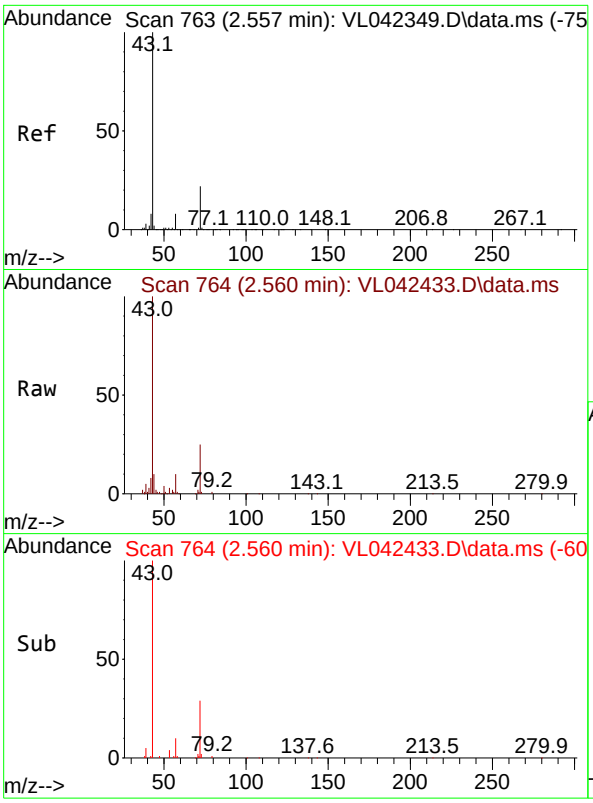


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:114 Resp: 336623

Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.8	32.6
88	19.1	15.5	23.3



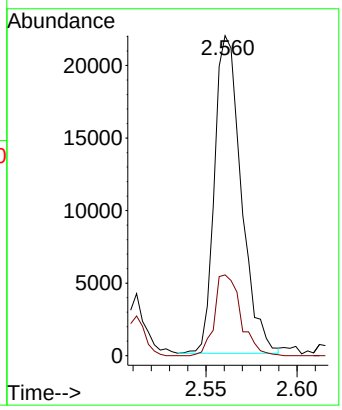


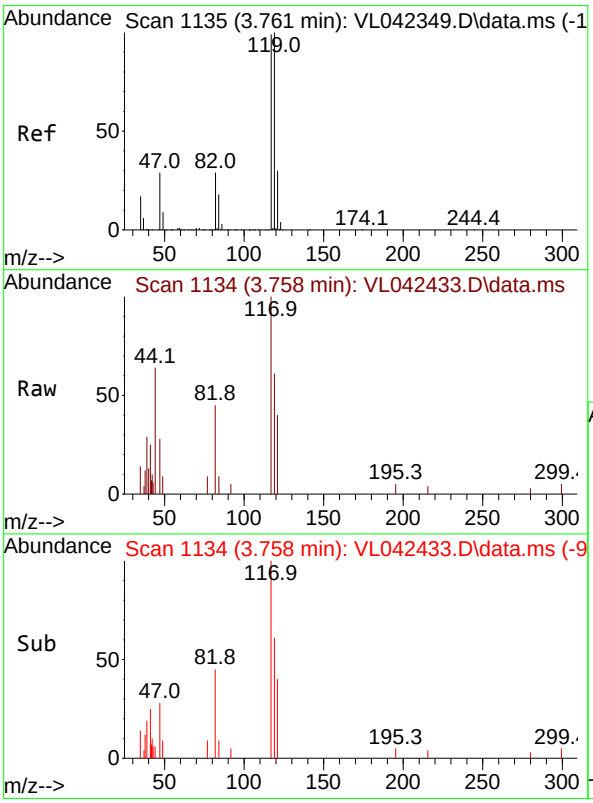
#34
2-Butanone
Concen: 0.837 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 43 Resp: 22290

Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.2	27.2

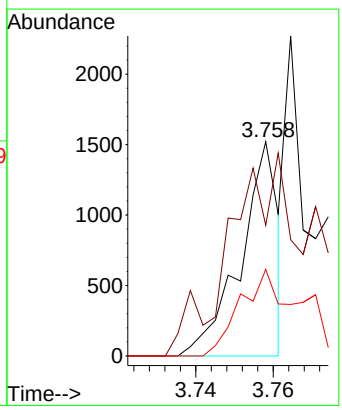


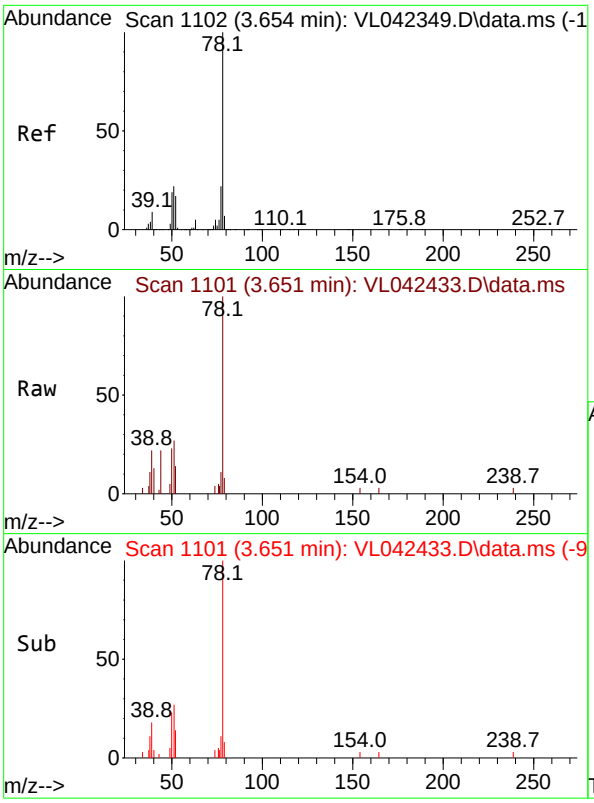


#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:117 Resp: 1020

Ion	Ratio	Lower	Upper
117	100		
119	50.6	80.5	120.7#
121	40.4	24.2	36.2#



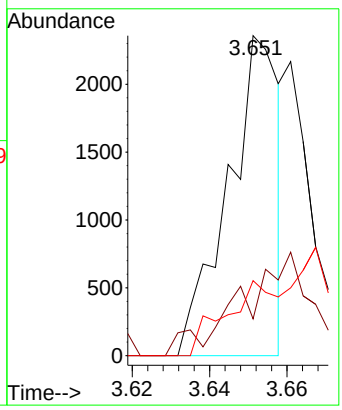


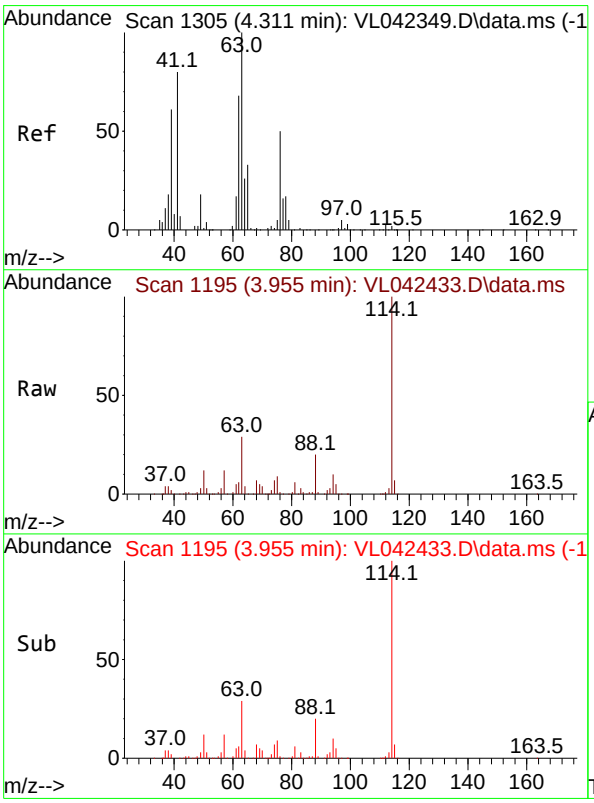
#36
Benzene
Concen: 0.059 ppbv
RT: 3.651 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 78 Resp: 2138

Ion	Ratio	Lower	Upper
78	100		
77	4.4	17.4	26.0#
50	23.5	15.5	23.3#

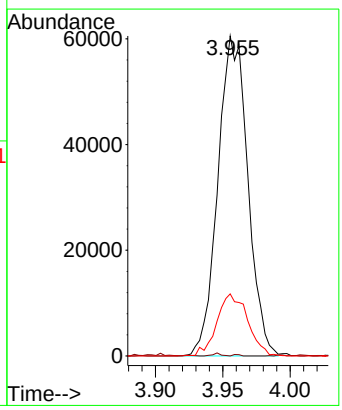


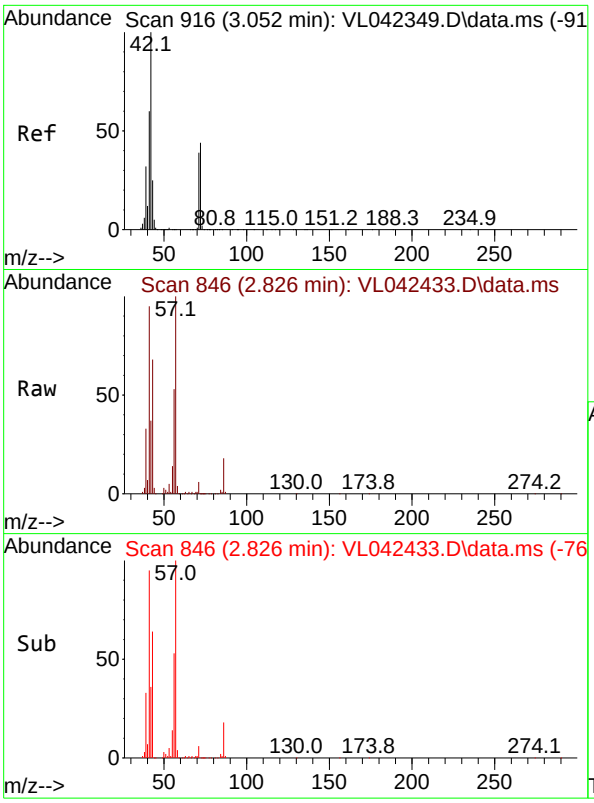


#39
1,2-Dichloropropane
Concen: 6.913 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.356 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 63 Resp: 93535

Ion	Ratio	Lower	Upper
63	100		
41	0.1	64.2	96.2#
62	19.4	54.3	81.5#



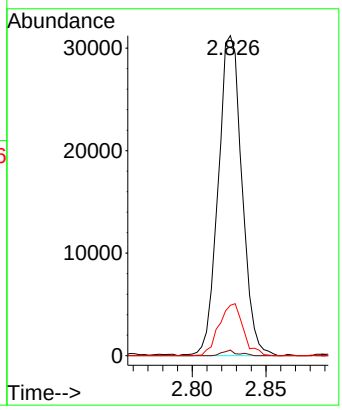


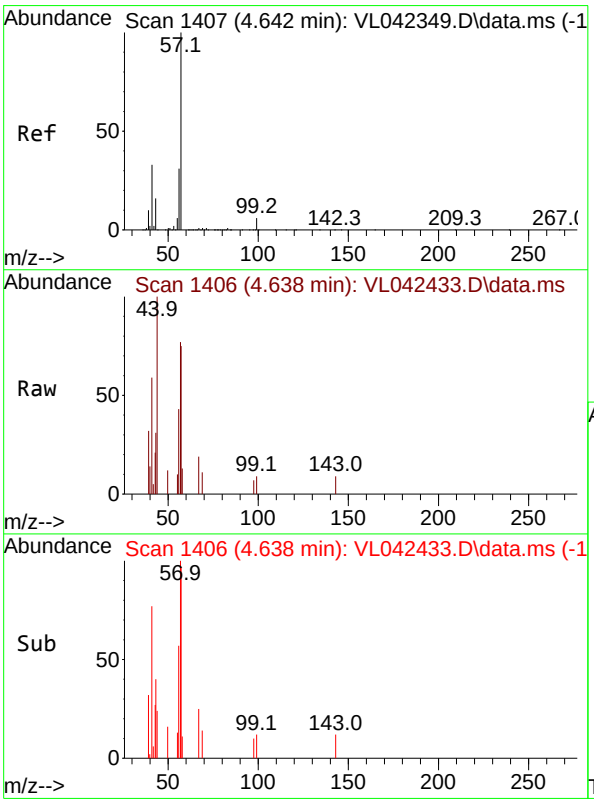
#41
Tetrahydrofuran
Concen: 2.249 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.226 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 42 Resp: 34912

Ion	Ratio	Lower	Upper
42	100		
72	1.1	32.3	48.5#
71	16.6	31.4	47.2#

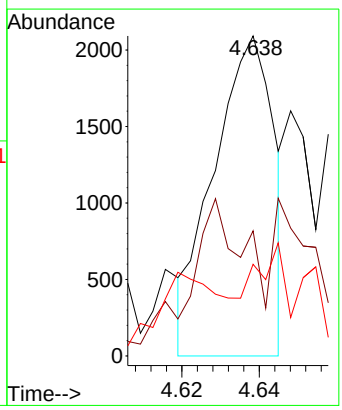


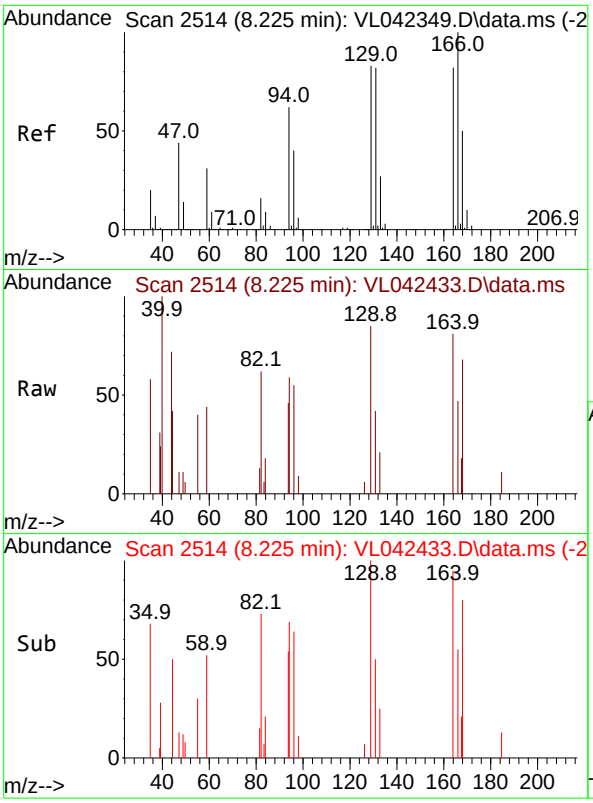


#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 57 Resp: 2259

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.2	40.8#
56	0.0	25.7	38.5#



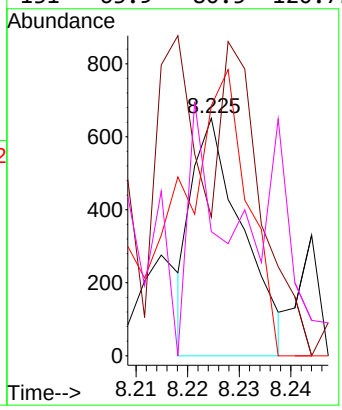


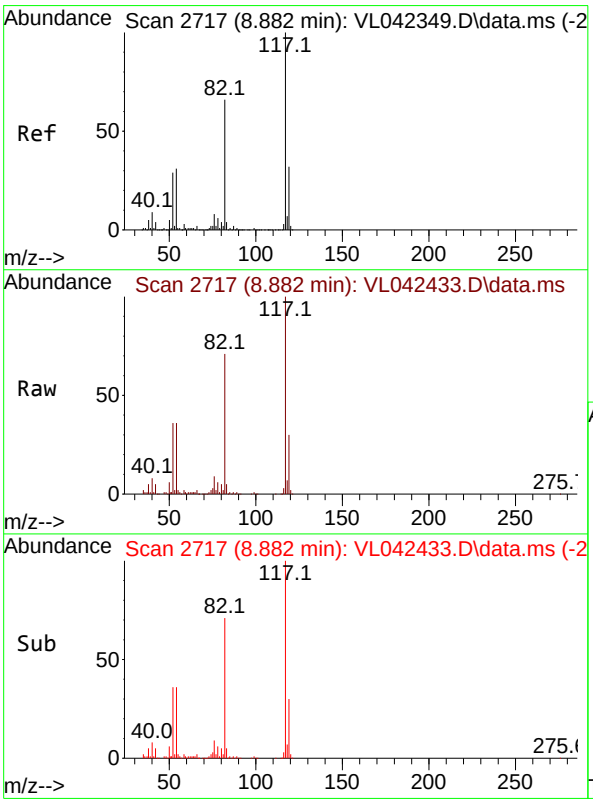
#52
Tetrachloroethene
Concen: 0.032 ppbv
RT: 8.225 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion:164 Resp: 443

Ion	Ratio	Lower	Upper
164	100		
166	25.6	98.2	147.2#
129	128.8	81.8	122.8#
131	63.9	80.5	120.7#

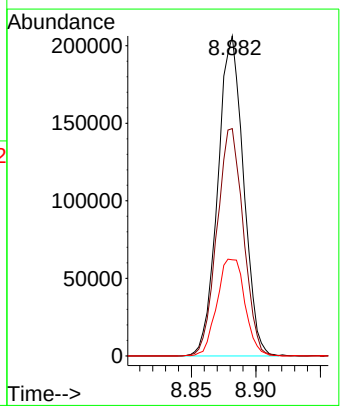


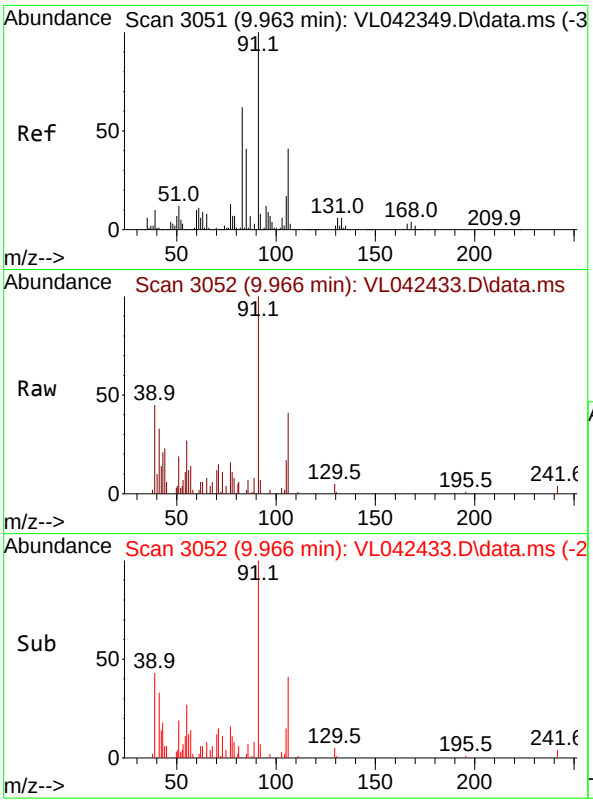


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:117 Resp: 285626

Ion	Ratio	Lower	Upper
117	100		
82	72.9	57.8	86.6
119	33.0	25.2	37.8



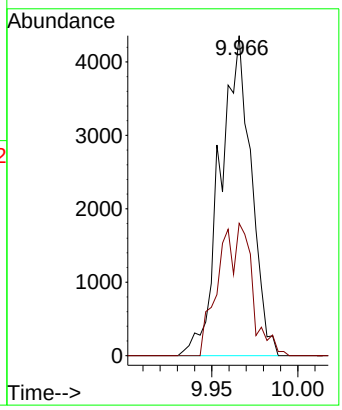


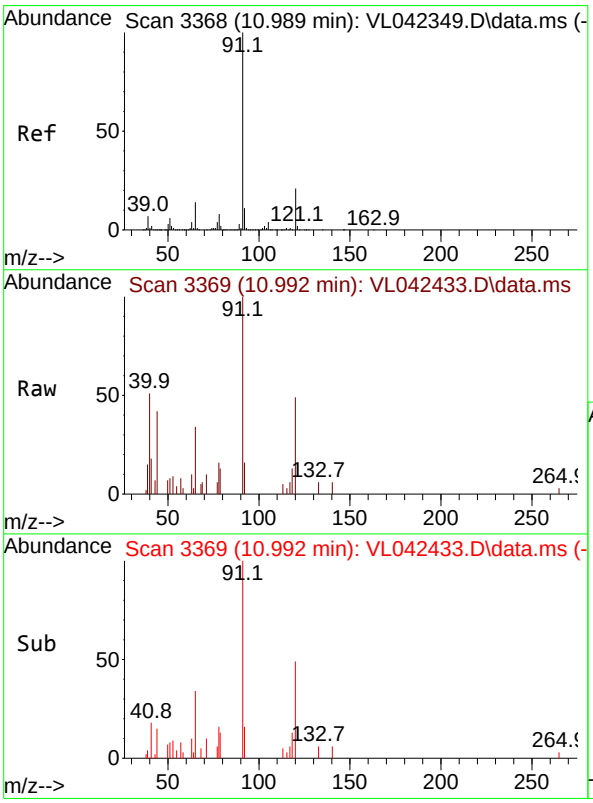
#60
o-Xylene
Concen: 0.119 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 91 Resp: 5458

Ion	Ratio	Lower	Upper
91	100		
106	44.7	21.1	63.4

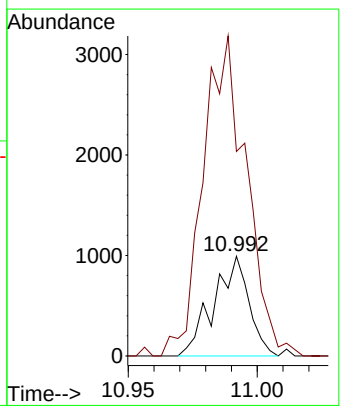


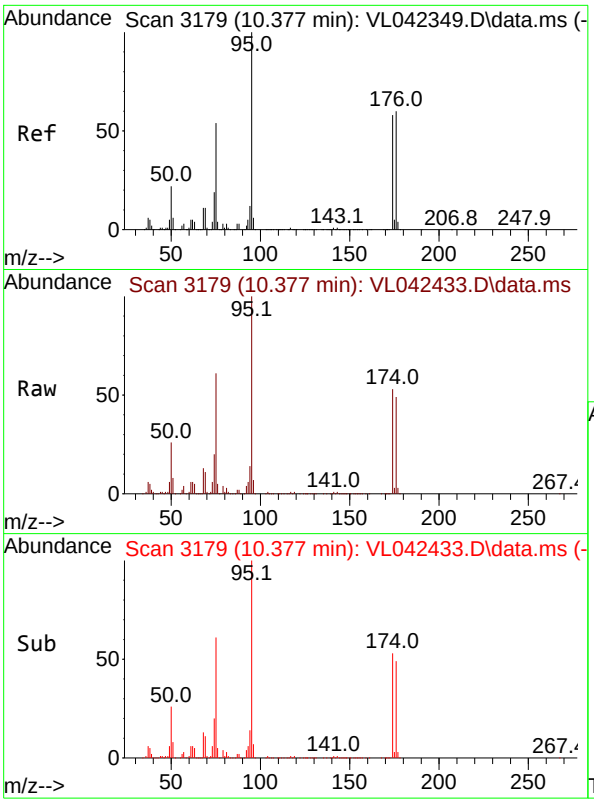


#64
n-propylbenzene
Concen: 0.056 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:120 Resp: 947

Ion	Ratio	Lower	Upper
120	100		
91	394.0	392.4	588.6



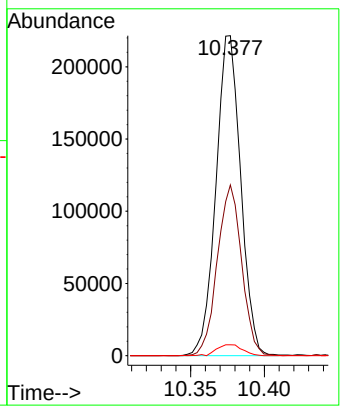


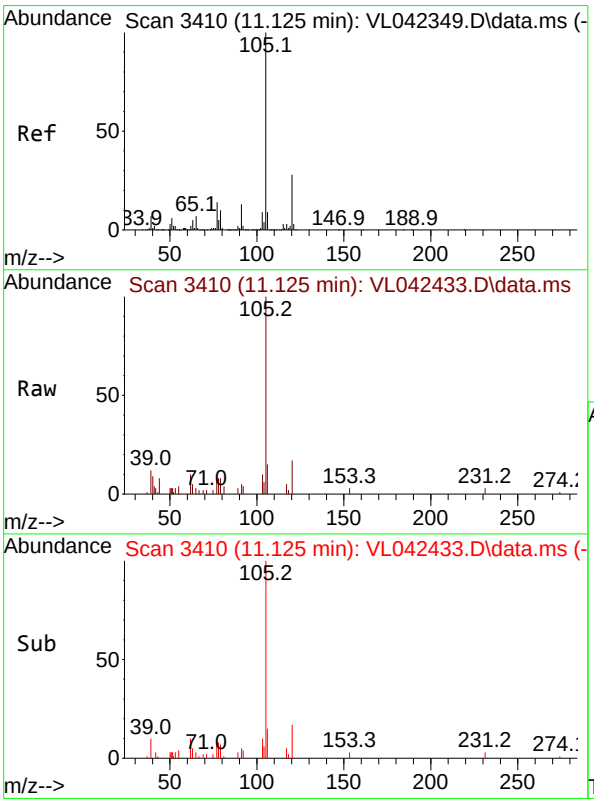
#68
1-Bromo-4-Fluorobenzene
Concen: 11.037 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 95 Resp: 259048

Ion	Ratio	Lower	Upper
95	100		
174	52.2	48.5	72.7
175	3.6	3.7	5.5#

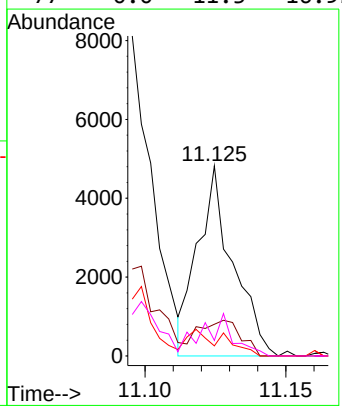


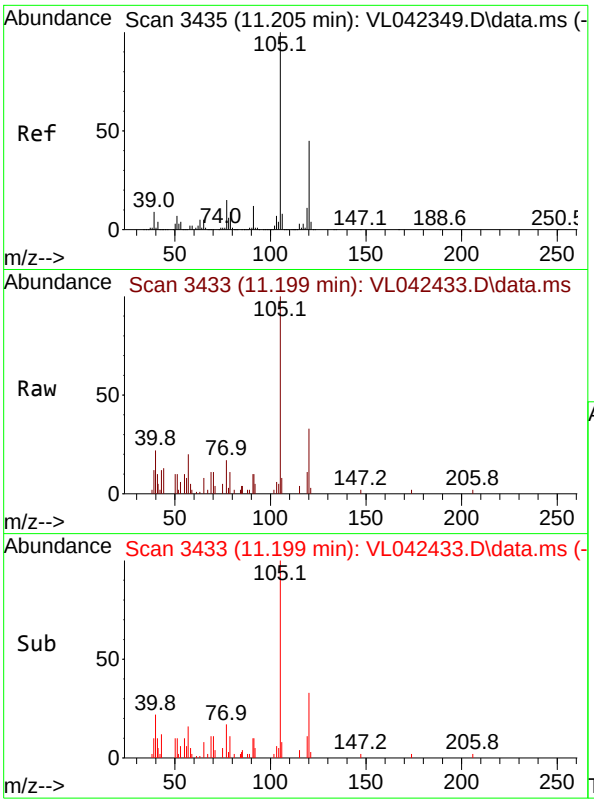


#72
4-Ethyltoluene
Concen: 0.074 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:105 Resp: 4179

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	0.0	10.4	15.6#
77	0.0	11.3	16.9#



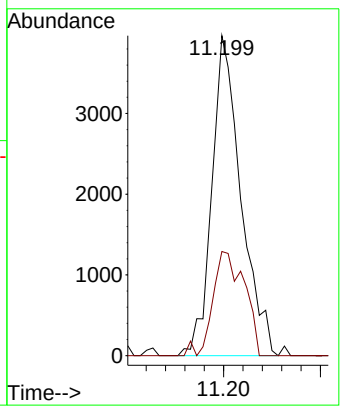


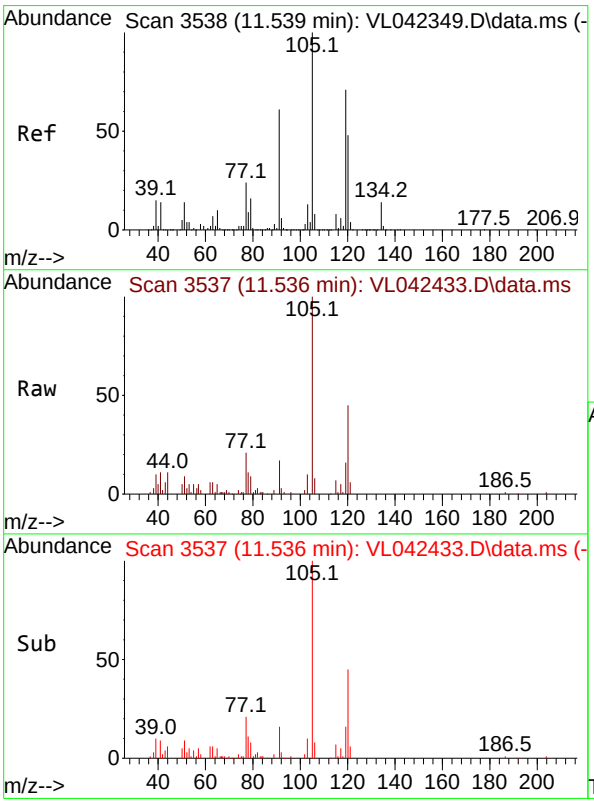
#73
1,3,5-Trimethylbenzene
Concen: 0.084 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.006 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion:105 Resp: 4138

Ion	Ratio	Lower	Upper
105	100		
120	32.6	35.6	53.4#

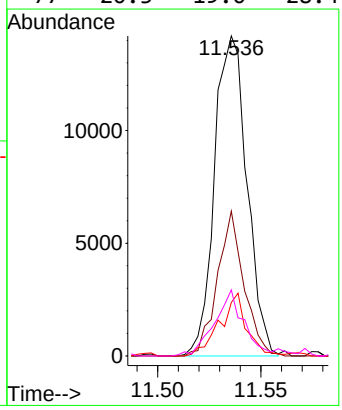




#74
1,2,4-Trimethylbenzene
Concen: 0.268 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion:105 Resp: 15504

Ion	Ratio	Lower	Upper
105	100		
120	45.3	38.1	57.1
91	16.7	48.8	73.2#
77	20.3	19.0	28.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.780	49	114553	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	311268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	269987	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.373	95	253216	11.413	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	234841	11.603	ppbv	97
3) Chlorodifluoromethane	1.473	51	188007	9.755	ppbv	95
4) Chloromethane	1.531	50	90298	11.274	ppbv	100
5) Vinyl Chloride	1.576	62	86603	9.933	ppbv	96
6) Bromomethane	1.664	94	41020	10.952	ppbv	85
7) Chloroethane	1.703	64	35167	11.153	ppbv	95
8) Dichlorotetrafluoroethane	1.550	85	199977	11.508	ppbv	94
9) Propene	1.482	41	69189	7.883	ppbv	98
10) Heptane	4.968	43	184737	7.492	ppbv	99
11) Trichlorofluoromethane	1.874	101	227979	11.845	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	172070	10.934	ppbv	99
13) Ethanol	1.719	45	4336	3.108	ppbv	81
14) Bromoethene	1.777	108	63597	10.721	ppbv	97
15) Acetone	1.832	43	184887	9.859	ppbv	98
16) 1,3-Butadiene	1.605	39	88889	9.910	ppbv	95
17) tert-Butyl alcohol	2.036	59	229627	9.881	ppbv	99
18) 1,1-Dichloroethene	2.029	96	75451	10.263	ppbv	94
19) Isopropyl Alcohol	1.884	45	101987	9.790	ppbv	91
20) Methylene Chloride	2.059	84	67278	9.161	ppbv	95
21) Allyl Chloride	2.091	41	131864	10.184	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	86577	10.343	ppbv	95
23) Vinyl Acetate	2.460	43	61601	8.115	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	172555	10.852	ppbv	98
25) Ethyl Acetate	2.832	43	408744	8.840	ppbv	100
26) Hexane	2.819	57	153801	8.220	ppbv	96
27) Carbon Disulfide	2.146	76	212793	10.622	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	114108	9.308	ppbv	93
29) Chloroform	2.845	83	290965	11.002	ppbv	100
30) Cyclohexane	3.848	84	130608	8.635	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	174659	9.818	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	312430	10.493	ppbv	99
34) 2-Butanone	2.554	43	232034	9.426	ppbv	98
35) Carbon Tetrachloride	3.755	117	316689	11.242	ppbv	94
36) Benzene	3.651	78	314493	9.367	ppbv	95
37) 1,2-Dichloroethane	3.214	62	244516	12.134	ppbv #	96
38) Trichloroethene	4.541	130	123997	8.450	ppbv #	88
39) 1,2-Dichloropropane	4.305	63	110315	8.817	ppbv #	84
40) 1,4-Dioxane	4.577	88	54364	7.907	ppbv #	90
41) Tetrahydrofuran	3.049	42	121700	8.479	ppbv	100
42) Bromodichloromethane	4.483	83	312029	11.127	ppbv	98
43) Methyl Methacrylate	4.874	69	126594	8.367	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	522427	9.010	ppbv	94
45) t-1,3-Dichloropropene	6.409	75	139508	9.026	ppbv	89

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	169355	8.953	ppbv		90
47) 1,1,2-Trichloroethane	6.570	97	86392	6.778	ppbv		97
48) Dibromochloromethane	7.380	129	232818	10.339	ppbv		100
49) Bromoform	9.477	173	188896	9.593	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	325855	7.965	ppbv		99
51) 2-Hexanone	7.428	43	269915	7.357	ppbv	#	93
52) Tetrachloroethene	8.218	164	101642	7.833	ppbv	#	84
53) Toluene	6.926	91	361317	8.968	ppbv		100
54) 1,2-Dibromoethane	7.645	107	179895	9.861	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.917	131	182759	11.184	ppbv		95
57) Chlorobenzene	8.920	112	283210	10.086	ppbv		97
58) Ethyl Benzene	9.351	91	536634	10.032	ppbv		96
59) m/p-Xylene	9.545	91	469573	10.897	ppbv	#	43
60) o-Xylene	9.959	91	463713	10.686	ppbv		96
61) Styrene	9.869	104	195813	9.454	ppbv		98
62) Isopropylbenzene	10.535	105	672630	10.558	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.959	83	272746	9.699	ppbv		99
64) n-propylbenzene	10.985	120	160736	10.037	ppbv		90
65) tert-Butylbenzene	11.529	119	616872	10.535	ppbv		98
66) Benzyl Chloride	11.613	91	49841	7.746	ppbv		98
67) sec-Butylbenzene	11.765	105	869595	10.677	ppbv		99
69) p-Isopropyltoluene	11.924	119	738863	10.442	ppbv		96
70) n-Butylbenzene	12.280	91	787717	10.688	ppbv		98
71) 2-Chlorotoluene	10.898	91	528205	10.571	ppbv		96
72) 4-Ethyltoluene	11.121	105	559285	10.542	ppbv		96
73) 1,3,5-Trimethylbenzene	11.199	105	493949	10.546	ppbv		93
74) 1,2,4-Trimethylbenzene	11.535	105	554136	10.130	ppbv		96
75) 1,3-Dichlorobenzene	11.603	146	285025	10.024	ppbv		97
76) 1,4-Dichlorobenzene	11.668	146	291795	10.210	ppbv		98
77) 1,2-Dichlorobenzene	11.943	146	283700	10.261	ppbv		97
78) Hexachloro-1,3-Butadiene	13.879	225	263477	9.437	ppbv		99
79) Naphthalene	13.510	128	615408	9.408	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	316788	8.497	ppbv		96
81) 1,2,4-Trichlorobenzene	13.439	180	263006	9.363	ppbv		98

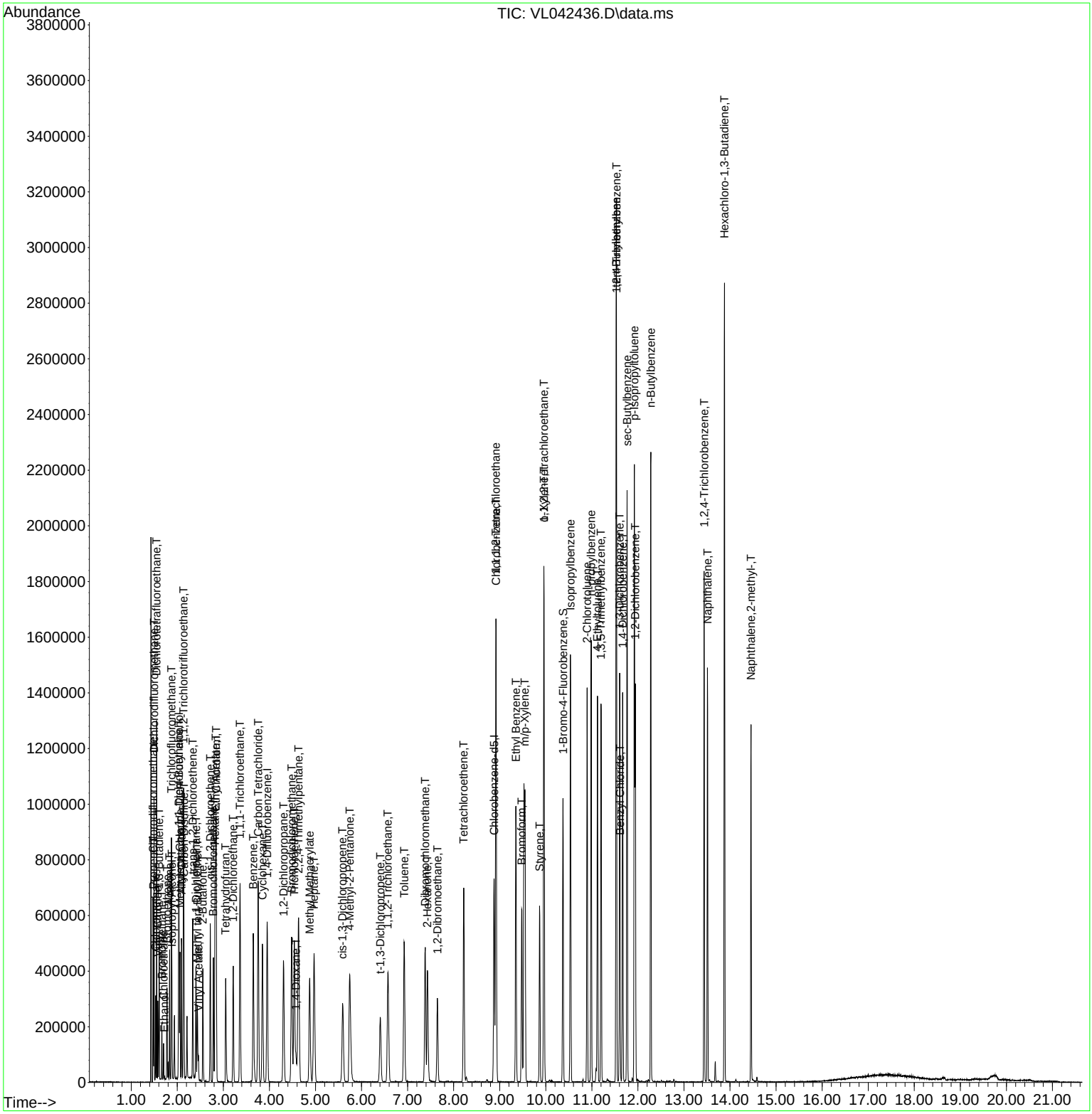
(#) = qualifier out of range (m) = manual integration (+) = signals summed

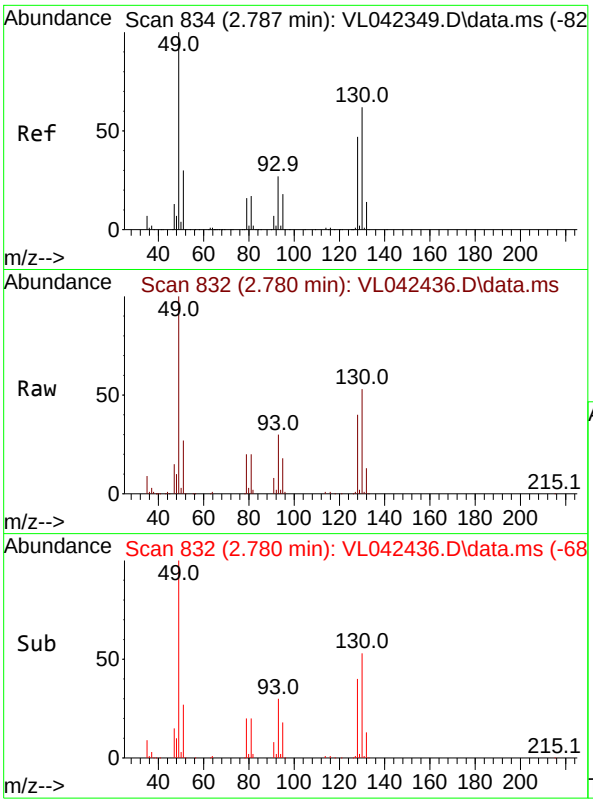
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042436.D
Acq On : 29 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 30 01:15:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



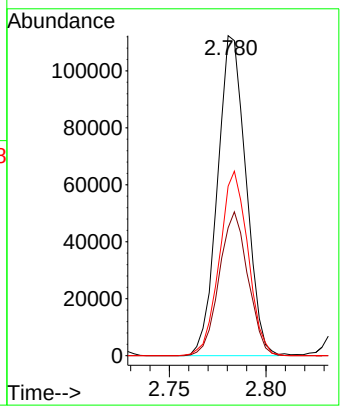


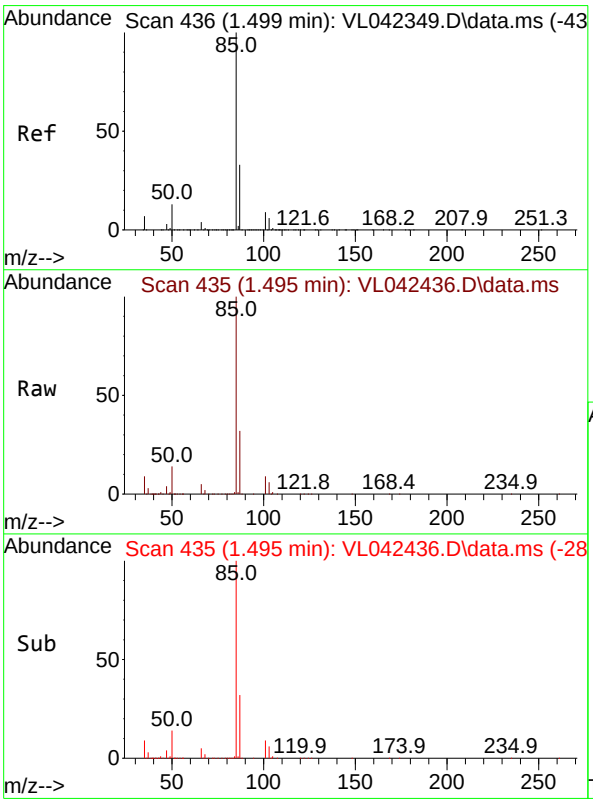
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 114553

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.8	68.4
130	57.8	29.3	88.0

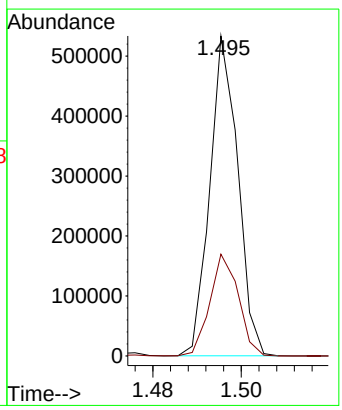


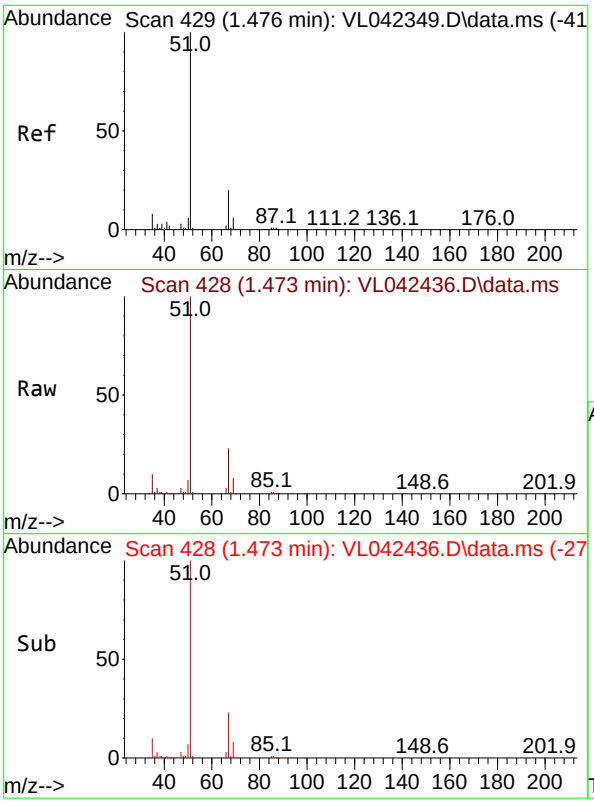


#2
Dichlorodifluoromethane
Concen: 11.603 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 85 Resp: 234841

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.6	39.8



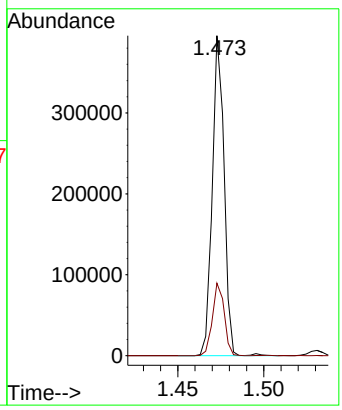


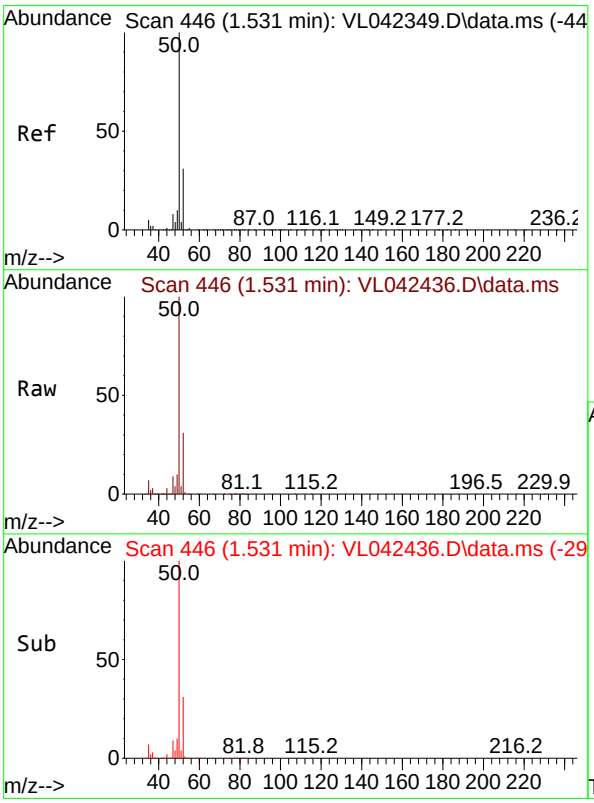
#3
Chlorodifluoromethane
Concen: 9.755 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 188007

Ion	Ratio	Lower	Upper
51	100		
67	22.8	16.2	24.4

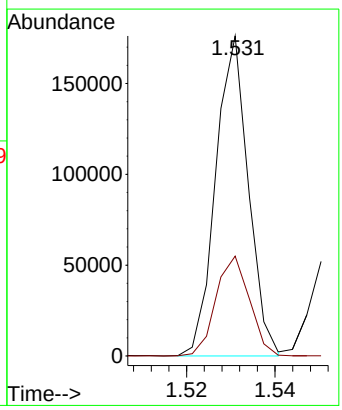


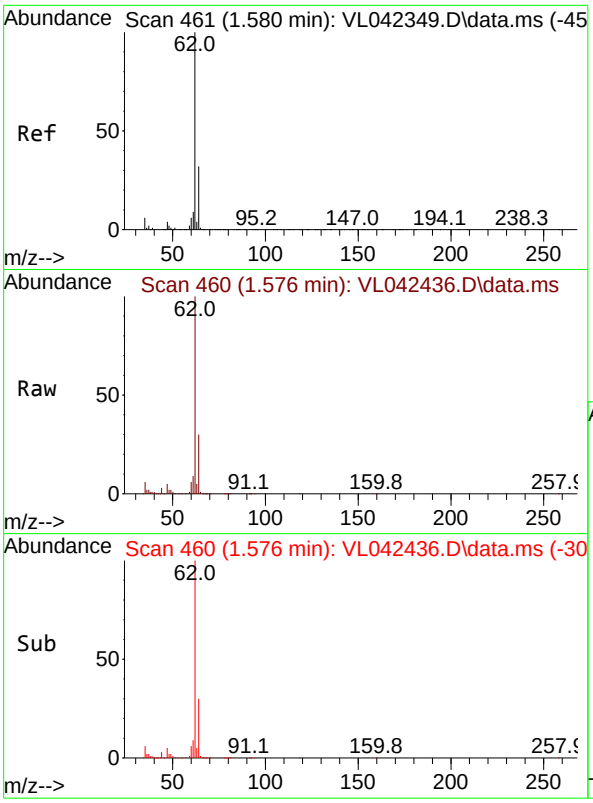


#4
Chloromethane
Concen: 11.274 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 50 Resp: 90298

Ion	Ratio	Lower	Upper
50	100		
52	31.2	24.7	37.1



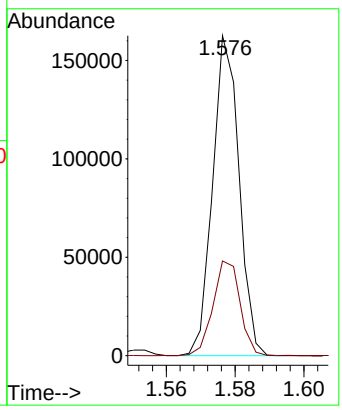


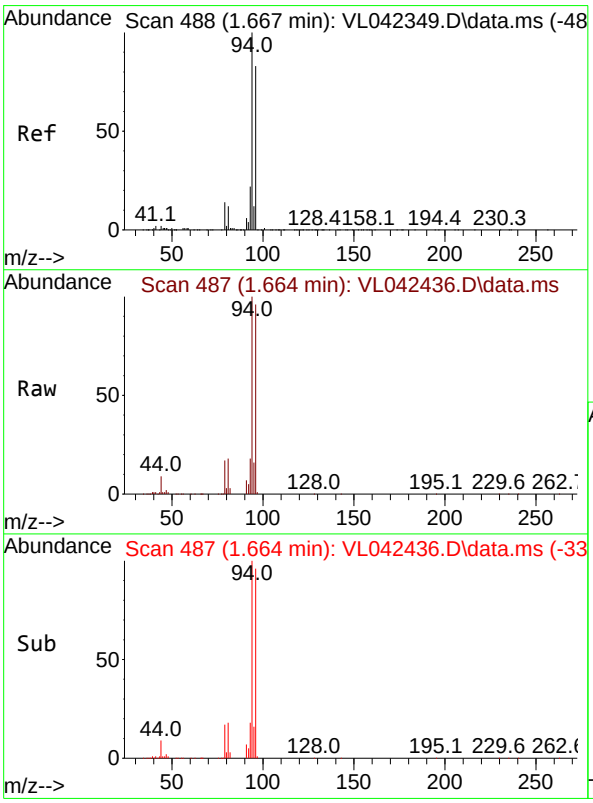
#5
Vinyl Chloride
Concen: 9.933 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 86603

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.4	38.0

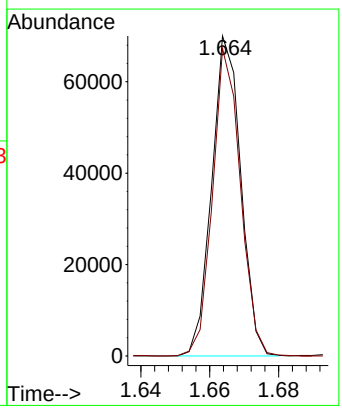


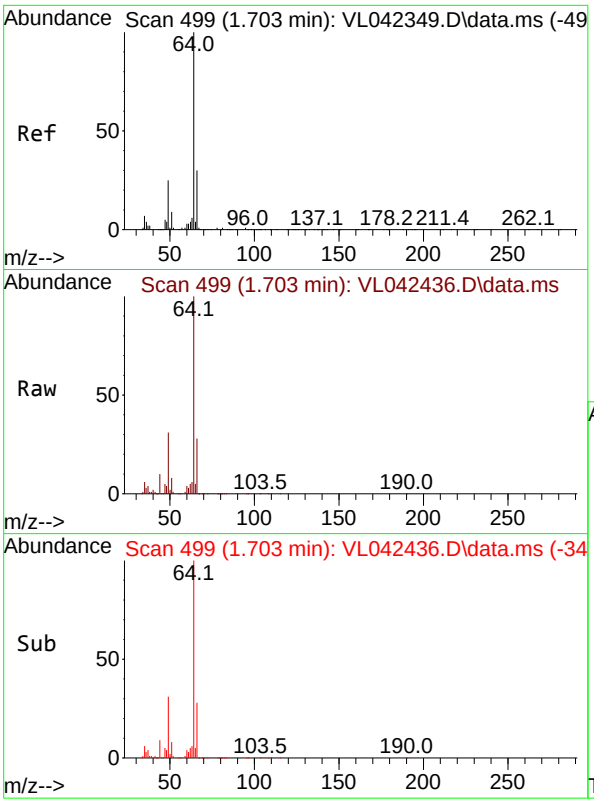


#6
Bromomethane
Concen: 10.952 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 94 Resp: 41020

Ion	Ratio	Lower	Upper
94	100		
96	95.9	66.2	99.2



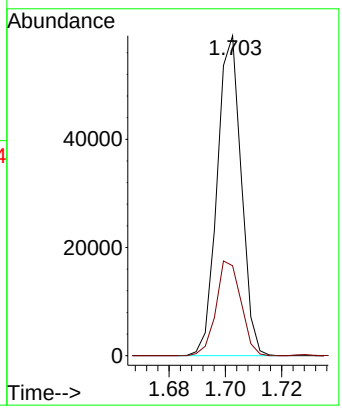


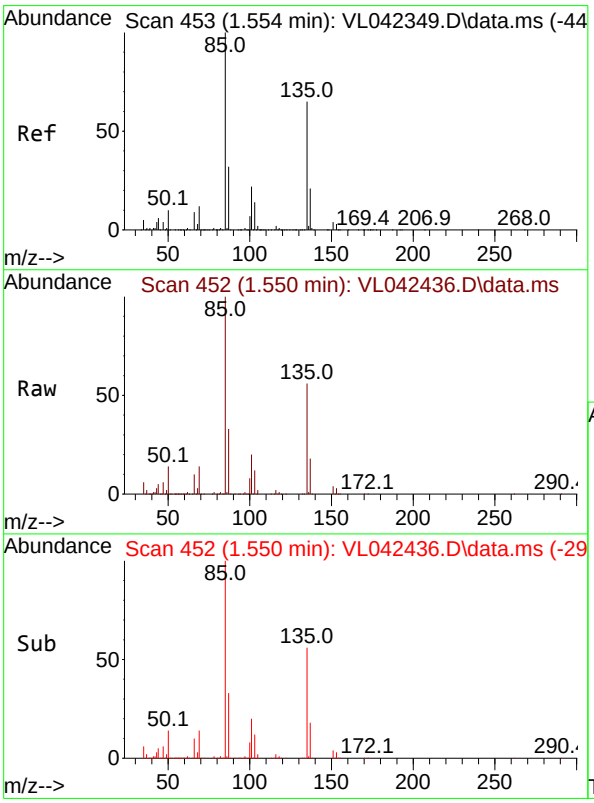
#7
Chloroethane
Concen: 11.153 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 35167

Ion	Ratio	Lower	Upper
64	100		
66	28.1	24.6	37.0

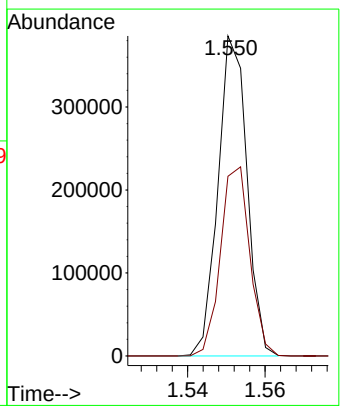


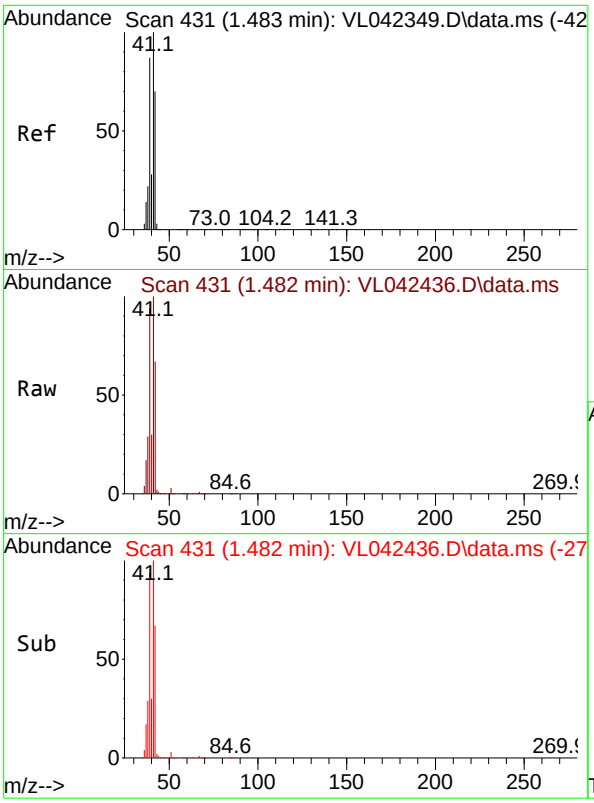


#8
Dichlorotetrafluoroethane
Concen: 11.508 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 85 Resp: 199977

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.2	78.2



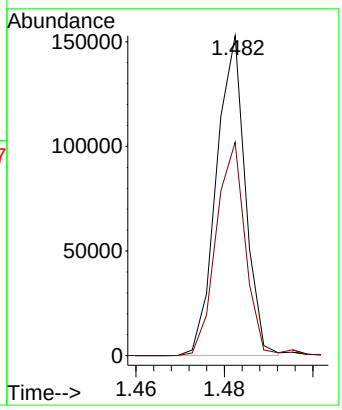


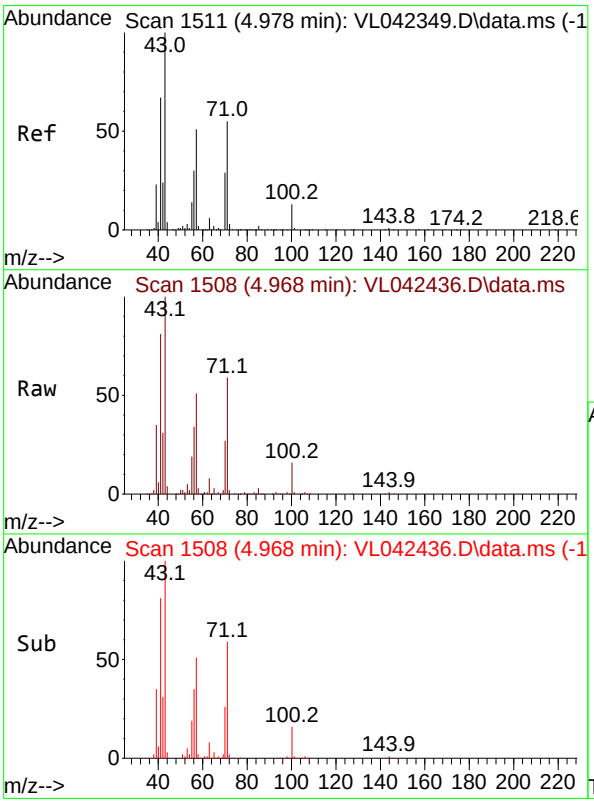
#9
Propene
Concen: 7.883 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 69189

Ion	Ratio	Lower	Upper
41	100		
42	68.7	56.2	84.4

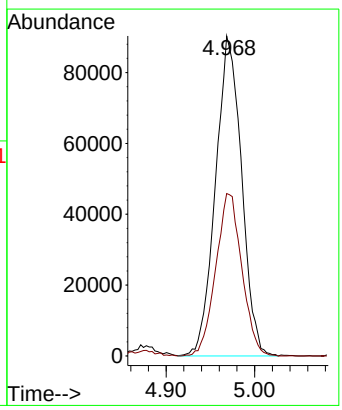


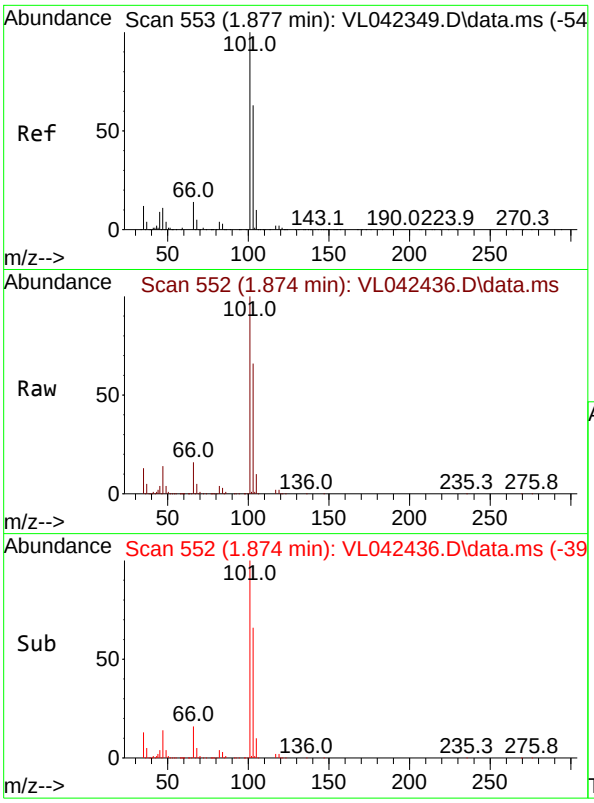


#10
Heptane
Concen: 7.492 ppbv
RT: 4.968 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 184737

Ion	Ratio	Lower	Upper
43	100		
57	50.9	39.9	59.9



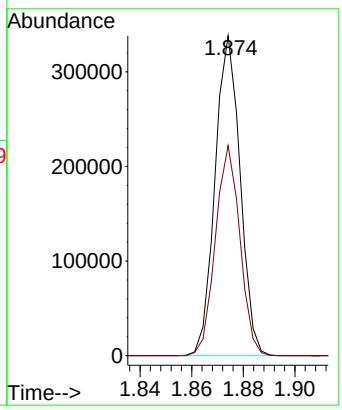


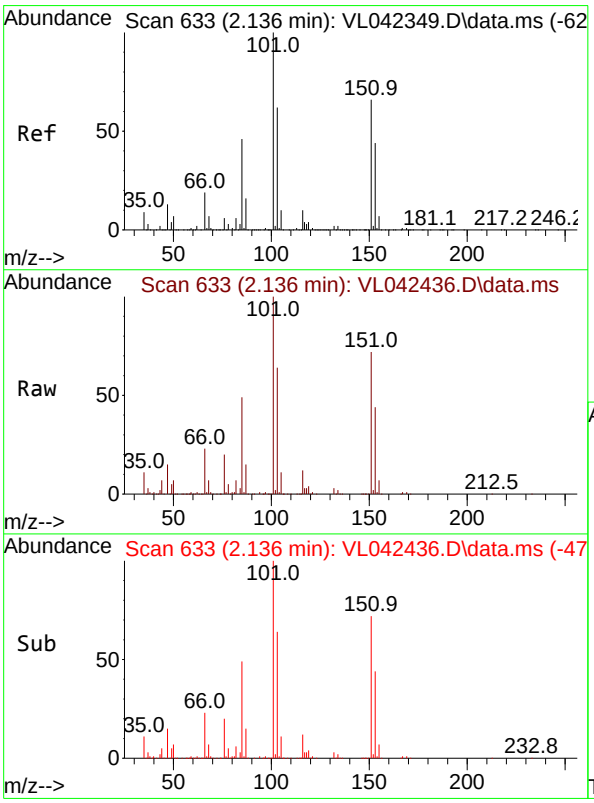
#11
Trichlorofluoromethane
Concen: 11.845 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 227979

Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.1	75.1

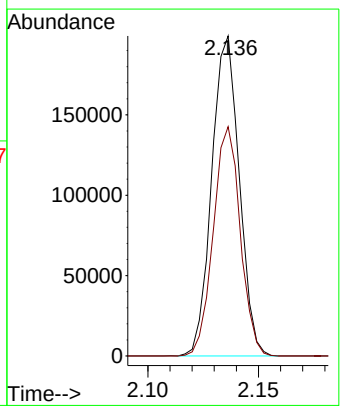


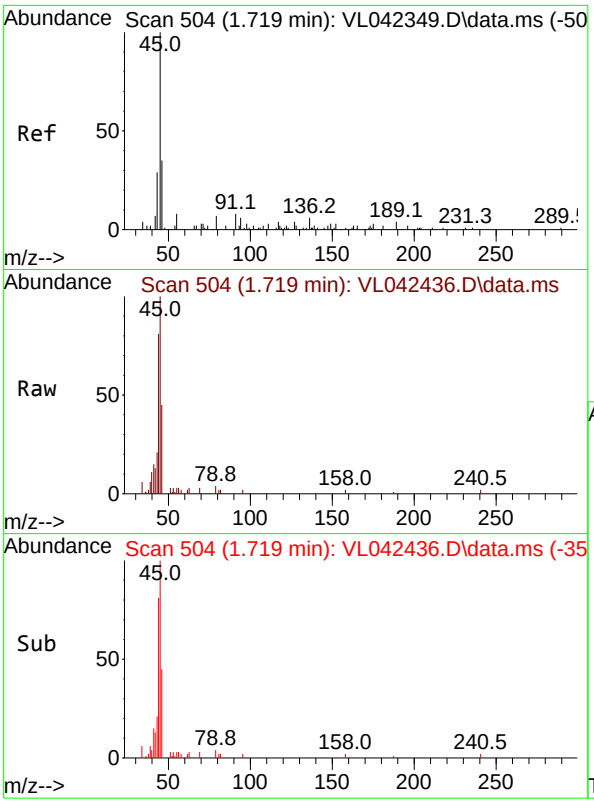


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.934 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:101 Resp: 172070

Ion	Ratio	Lower	Upper
101	100		
151	70.1	57.0	85.6



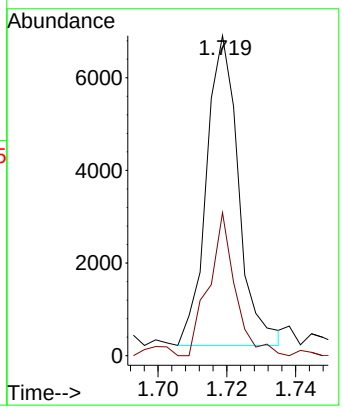


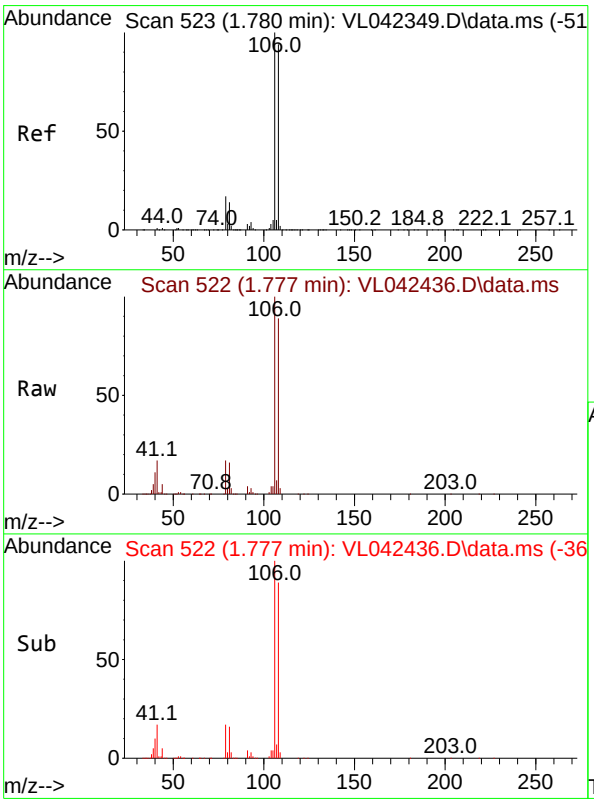
#13
Ethanol
Concen: 3.108 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 4336

Ion	Ratio	Lower	Upper
45	100		
46	41.1	21.9	87.7

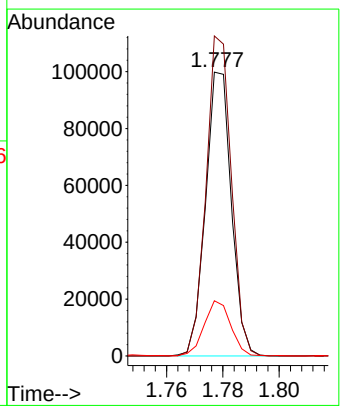


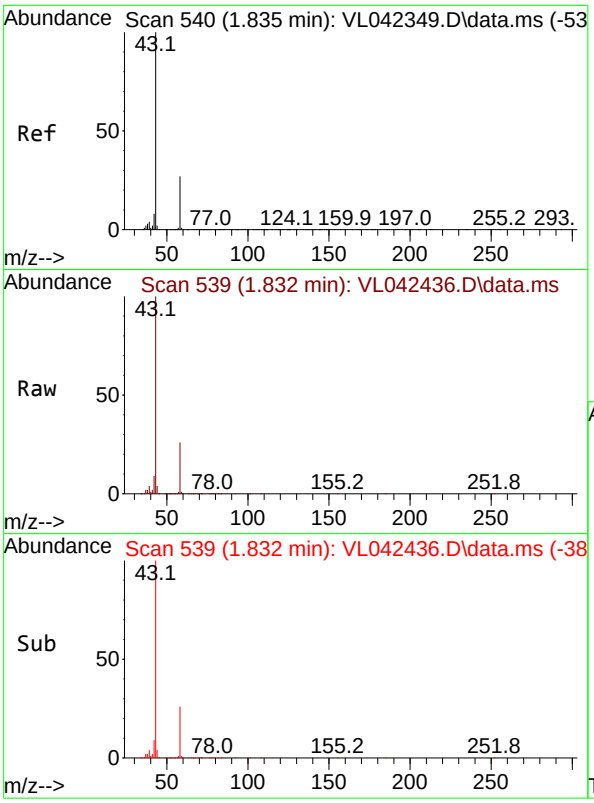


#14
Bromoethene
Concen: 10.721 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:108 Resp: 63597

Ion	Ratio	Lower	Upper
108	100		
106	110.4	85.9	128.9
79	20.1	13.9	20.9



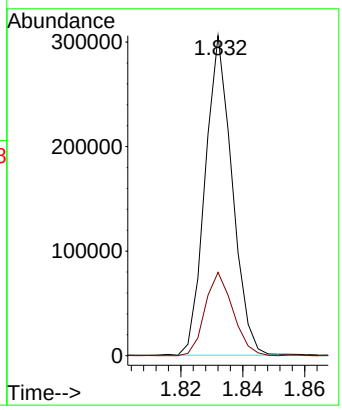


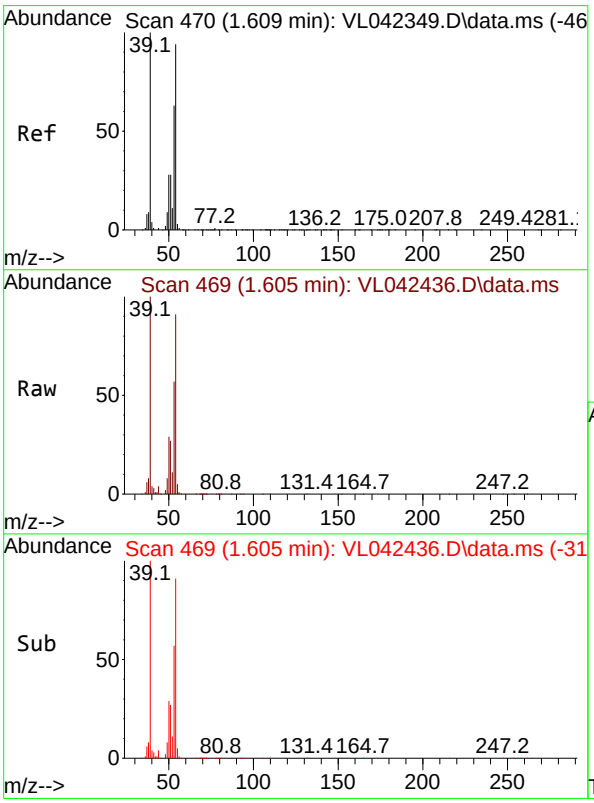
#15
Acetone
Concen: 9.859 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 184887

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6

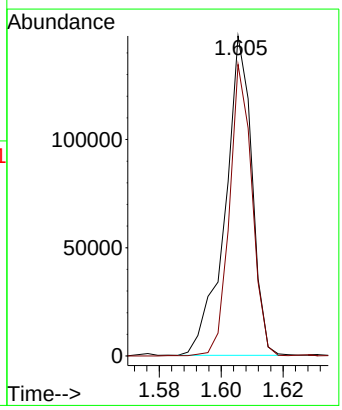


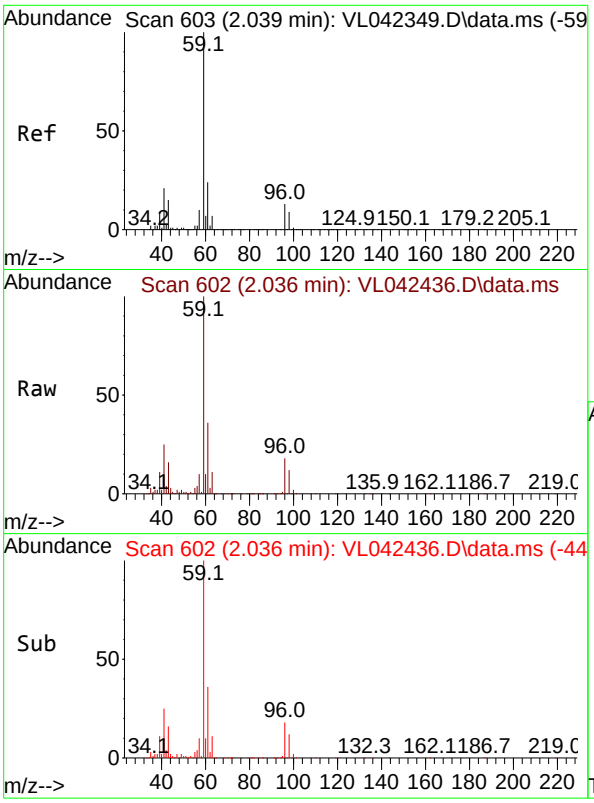


#16
1,3-Butadiene
Concen: 9.910 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 39 Resp: 88889

Ion	Ratio	Lower	Upper
39	100		
54	76.7	64.9	97.3



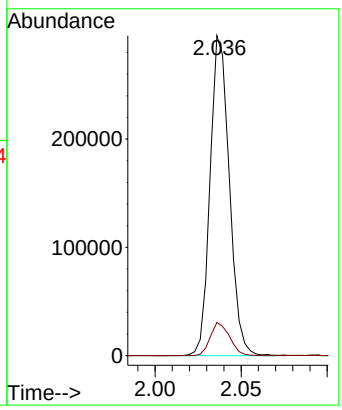


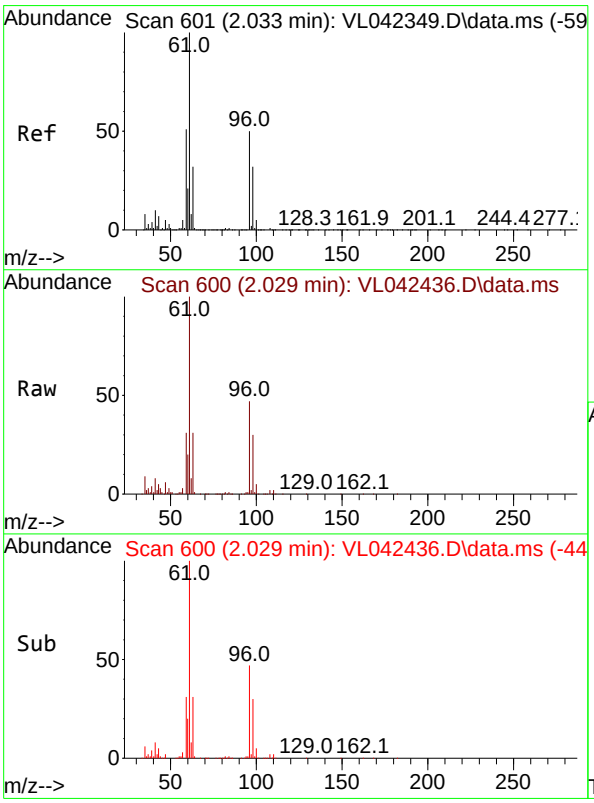
#17
tert-Butyl alcohol
Concen: 9.881 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 229627

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.7	13.1

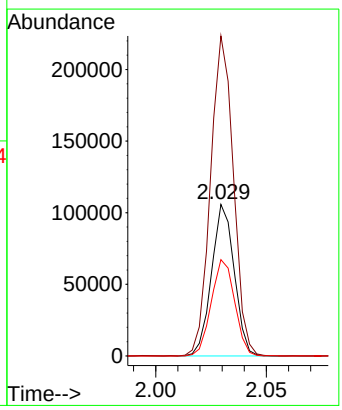


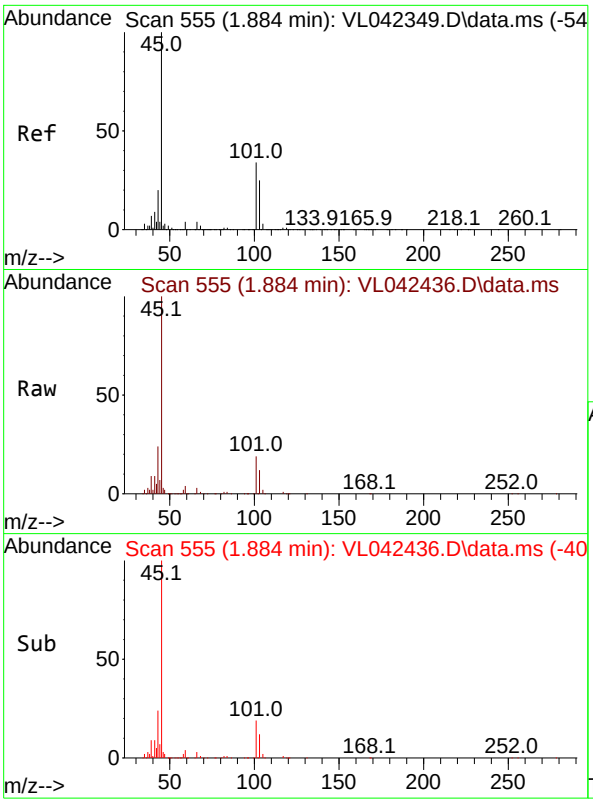


#18
1,1-Dichloroethene
Concen: 10.263 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 96 Resp: 75451

Ion	Ratio	Lower	Upper
96	100		
61	211.2	160.2	240.2
98	63.6	51.0	76.4



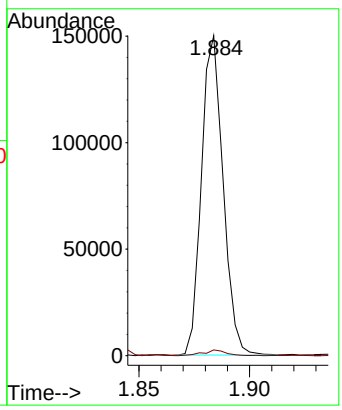


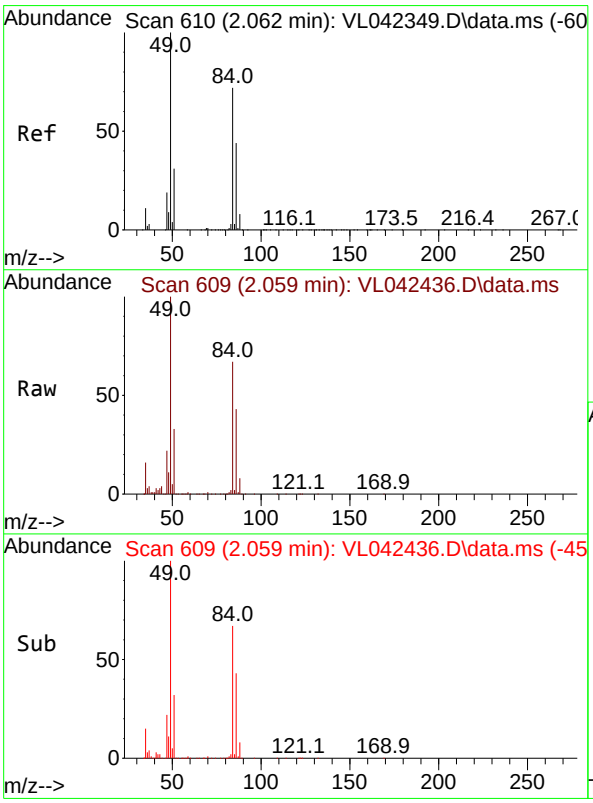
#19
Isopropyl Alcohol
Concen: 9.790 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 101987

Ion	Ratio	Lower	Upper
45	100		
58	49.0	34.5	51.7

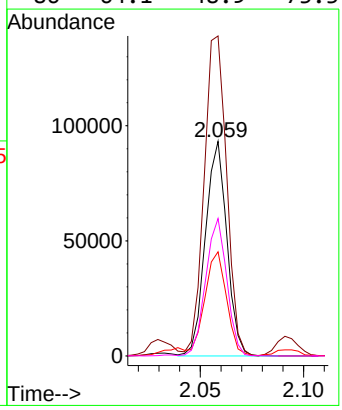


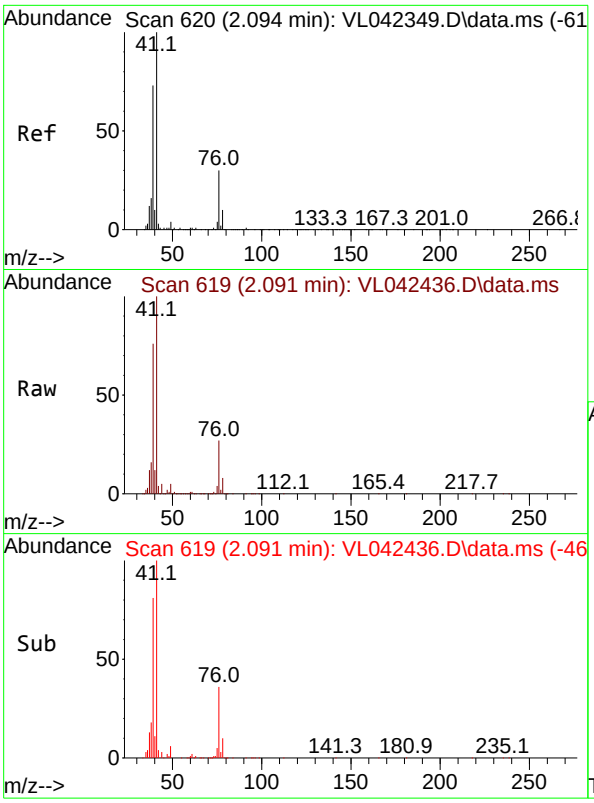


#20
Methylene Chloride
Concen: 9.161 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 84 Resp: 67278

Ion	Ratio	Lower	Upper
84	100		
49	146.9	111.6	167.4
51	45.9	35.1	52.7
86	64.1	48.9	73.3



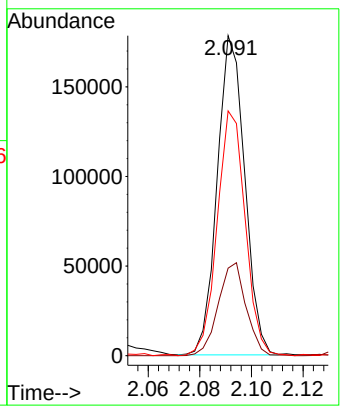


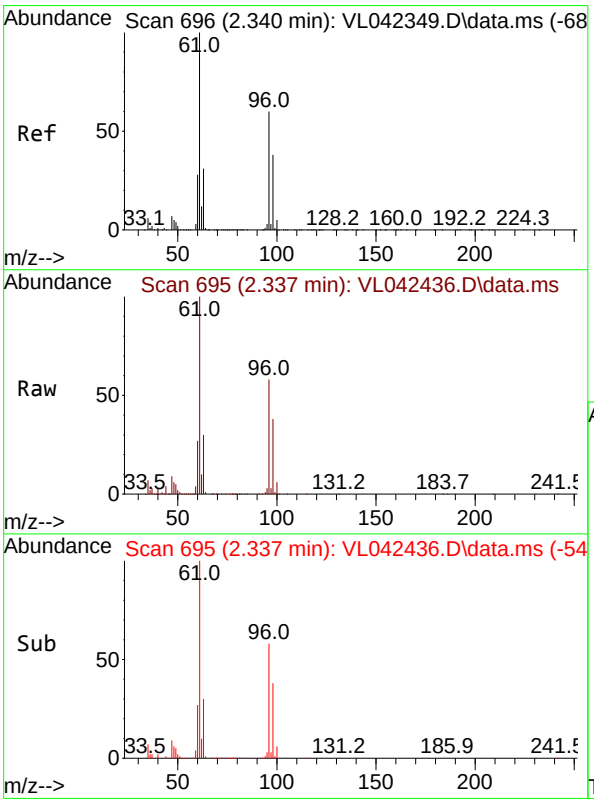
#21
Allyl Chloride
Concen: 10.184 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 131864

Ion	Ratio	Lower	Upper
41	100		
76	29.4	24.8	37.2
39	77.4	60.6	90.8

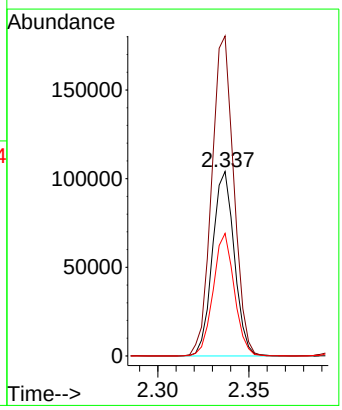


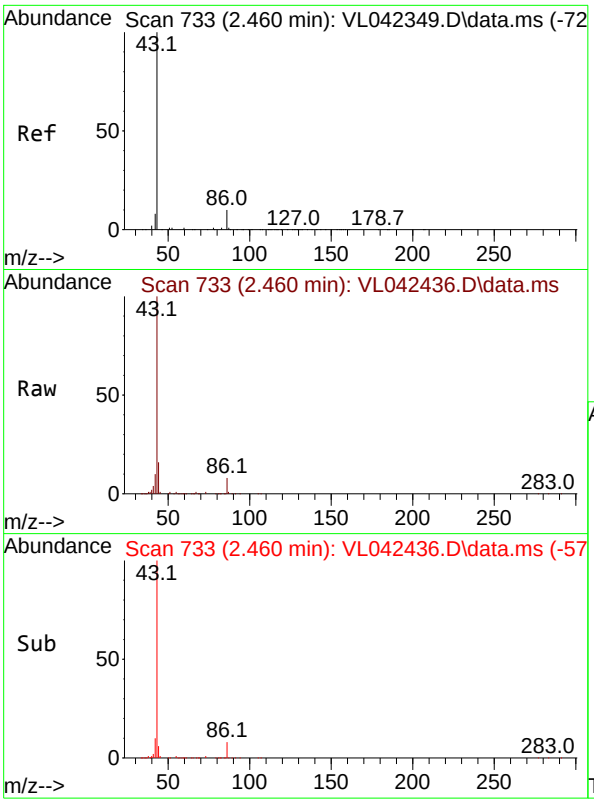


#22
trans-1,2-Dichloroethene
Concen: 10.343 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 96 Resp: 86577

Ion	Ratio	Lower	Upper
96	100		
61	173.4	133.7	200.5
98	66.4	50.3	75.5



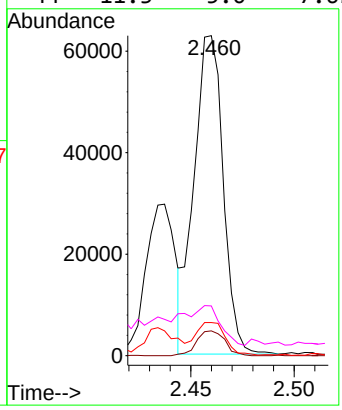


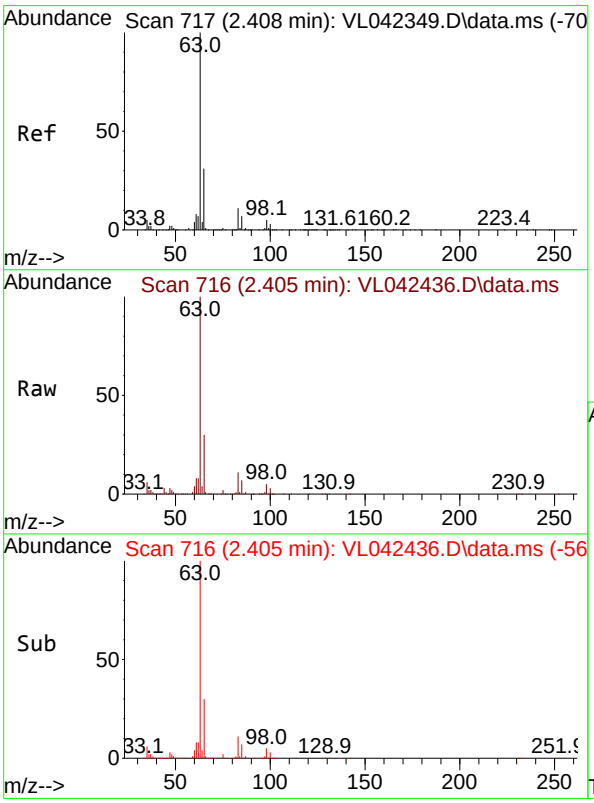
#23
Vinyl Acetate
Concen: 8.115 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 61601

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.5	9.7
42	10.2	7.8	11.8
44	11.3	5.0	7.6#

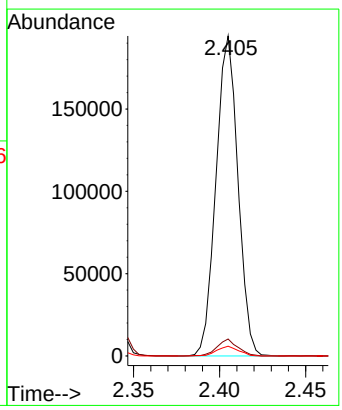


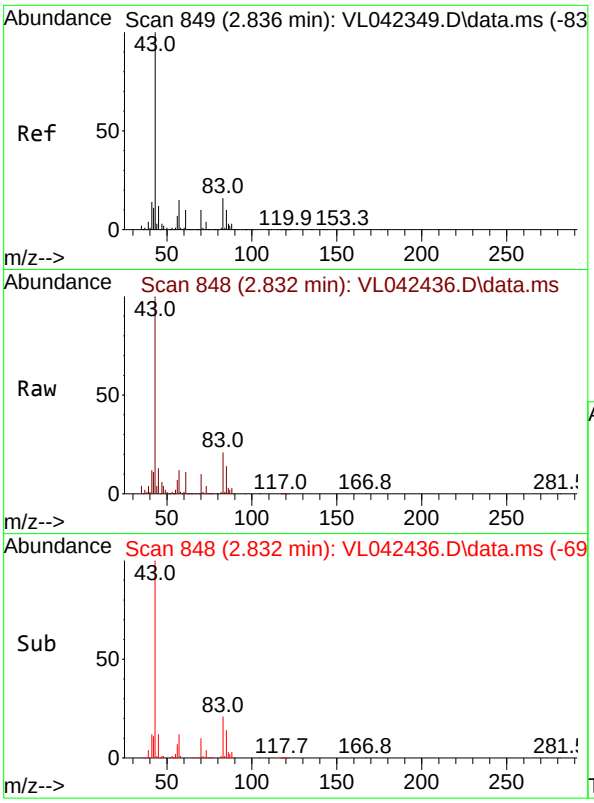


#24
1,1-Dichloroethane
Concen: 10.852 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 63 Resp: 172555

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.3	6.8
100	3.0	1.6	4.8



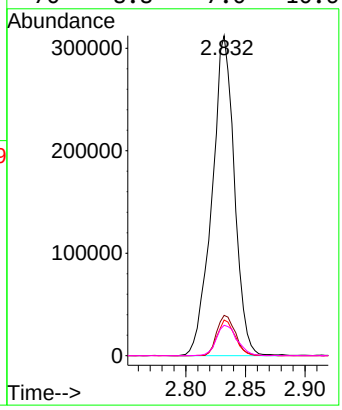


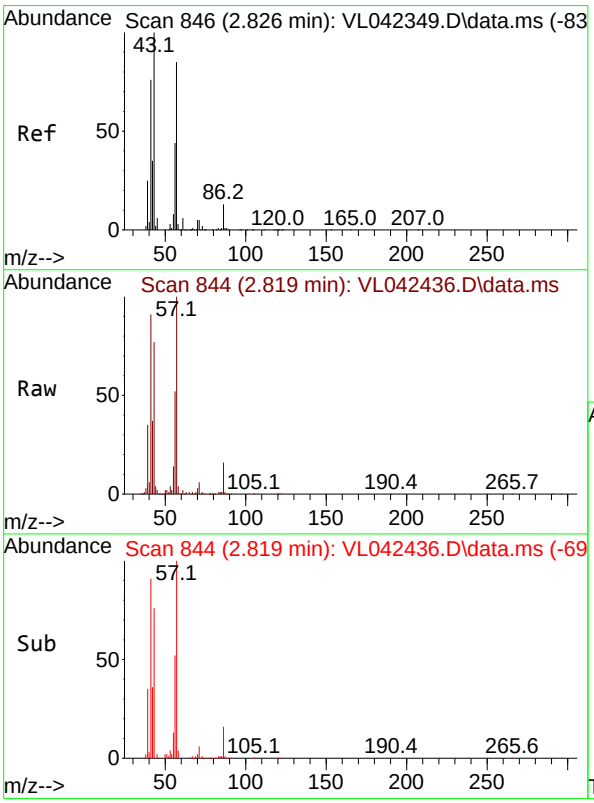
#25
Ethyl Acetate
Concen: 8.840 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 408744

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	8.9	7.3	10.9
70	8.8	7.0	10.6

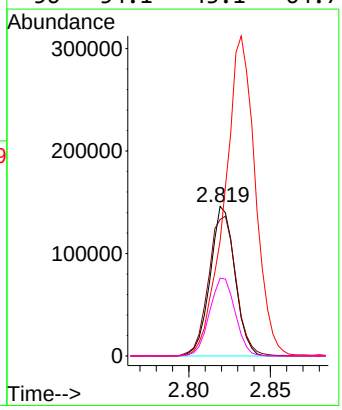


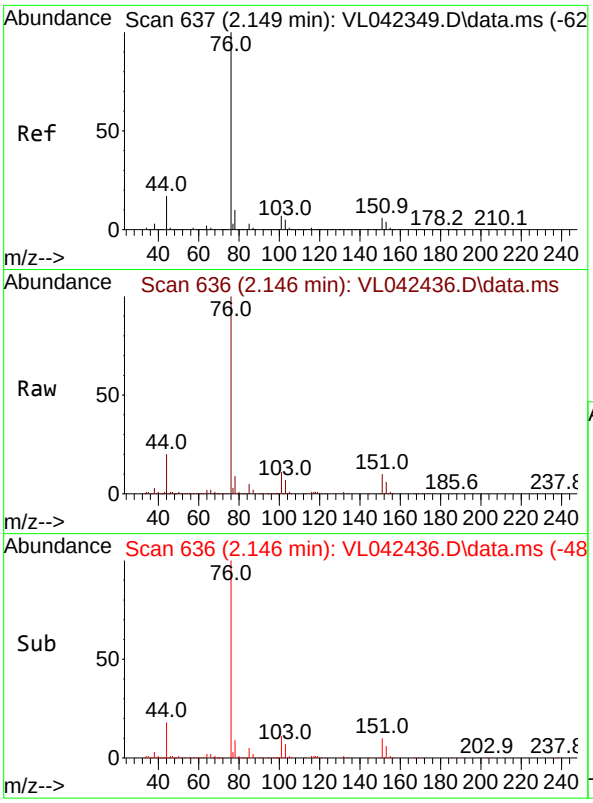


#26
Hexane
Concen: 8.220 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 57 Resp: 153801

Ion	Ratio	Lower	Upper
57	100		
41	104.3	77.9	116.9
43	266.3	208.4	312.6
56	54.1	43.1	64.7



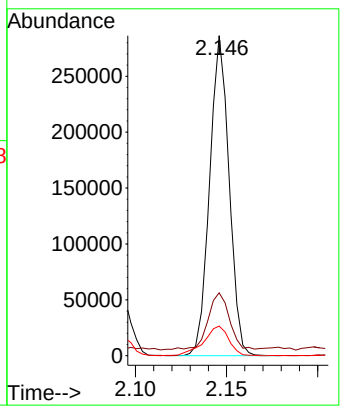


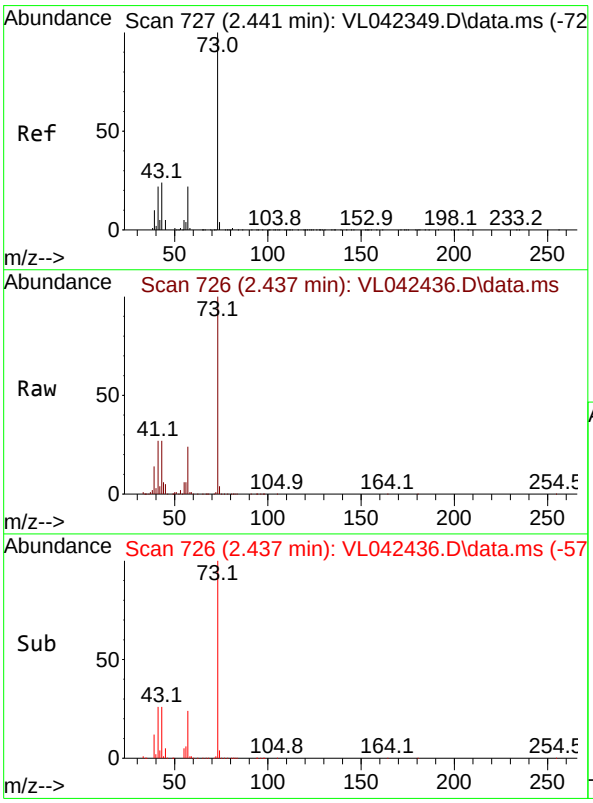
#27
Carbon Disulfide
Concen: 10.622 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 212793

Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.5	23.3
78	11.9	9.3	13.9

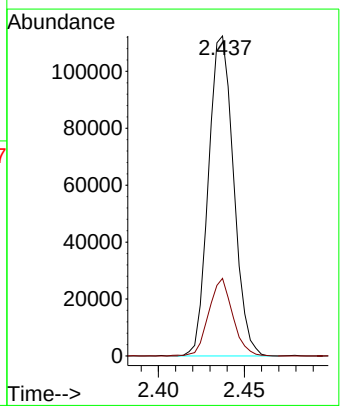


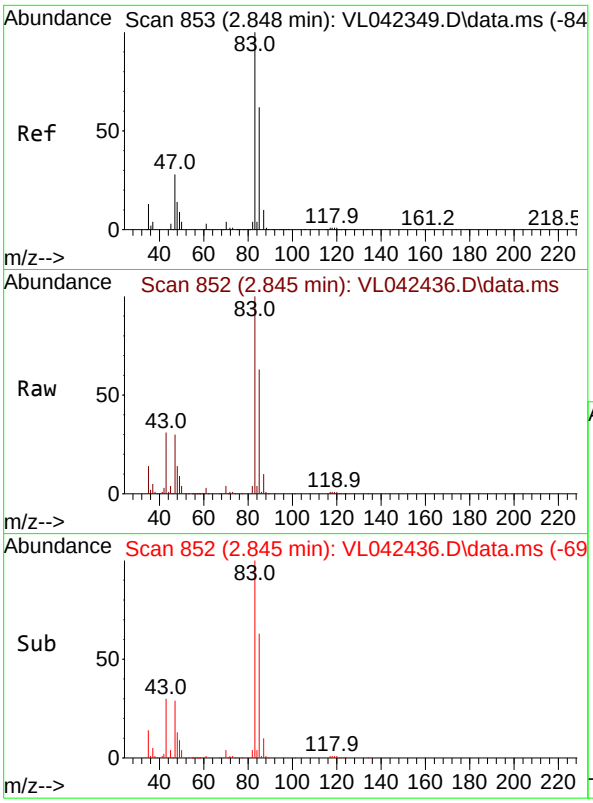


#28
Methyl tert-Butyl Ether
Concen: 9.308 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 73 Resp: 114108

Ion	Ratio	Lower	Upper
73	100		
57	23.1	21.3	31.9



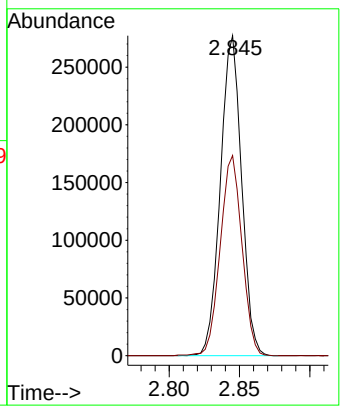


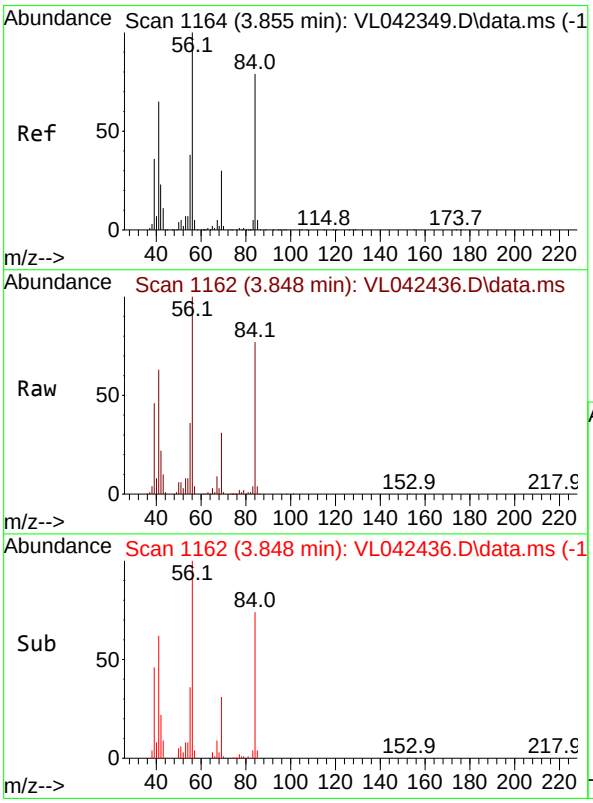
#29
Chloroform
Concen: 11.002 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 290965

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.0	75.0

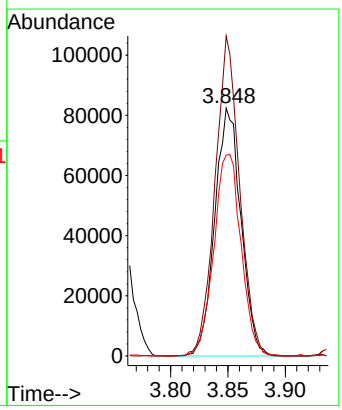


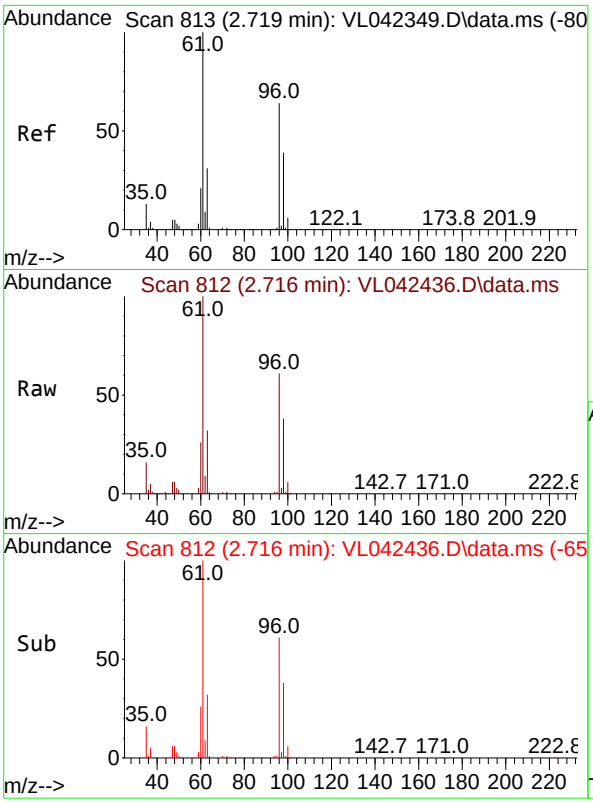


#30
Cyclohexane
Concen: 8.635 ppbv
RT: 3.848 min Scan# 1162
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 84 Resp: 130608

Ion	Ratio	Lower	Upper
84	100		
56	121.2	101.0	151.4
41	84.8	67.4	101.0



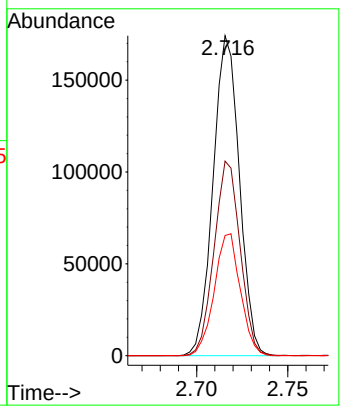


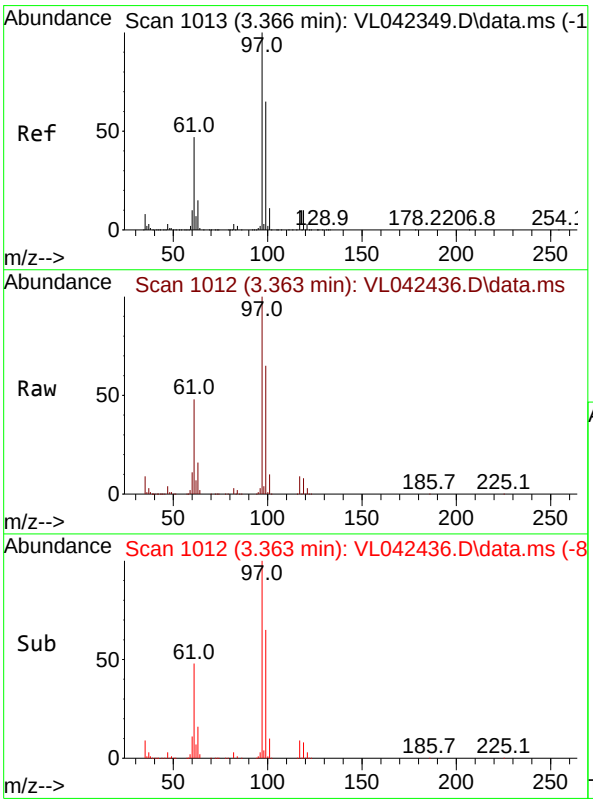
#31
cis-1,2-Dichloroethene
Concen: 9.818 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 174659

Ion	Ratio	Lower	Upper
61	100		
96	60.8	50.8	76.2
98	37.6	30.9	46.3

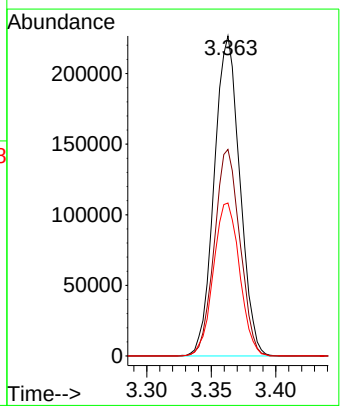


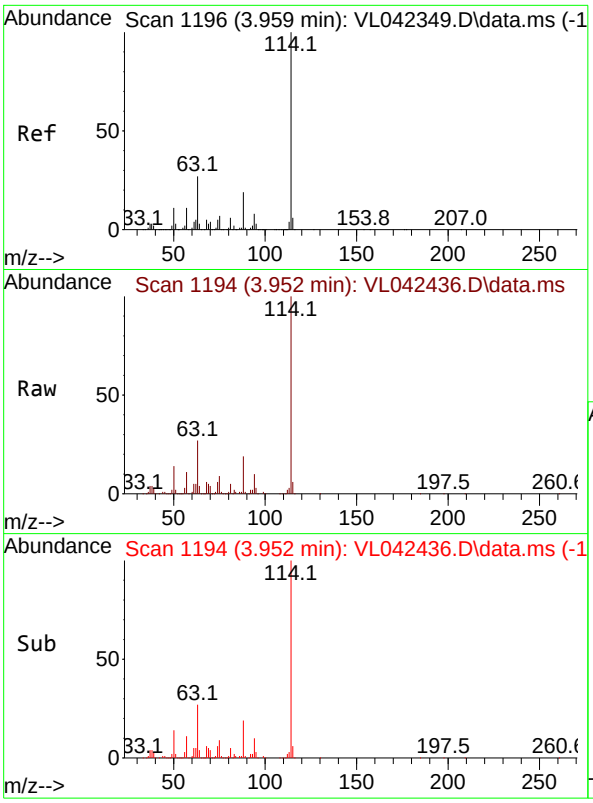


#32
1,1,1-Trichloroethane
Concen: 10.493 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 97 Resp: 312430

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	49.1	38.8	58.2



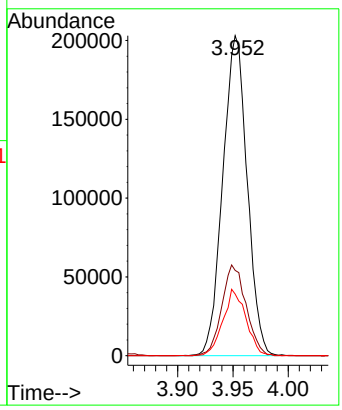


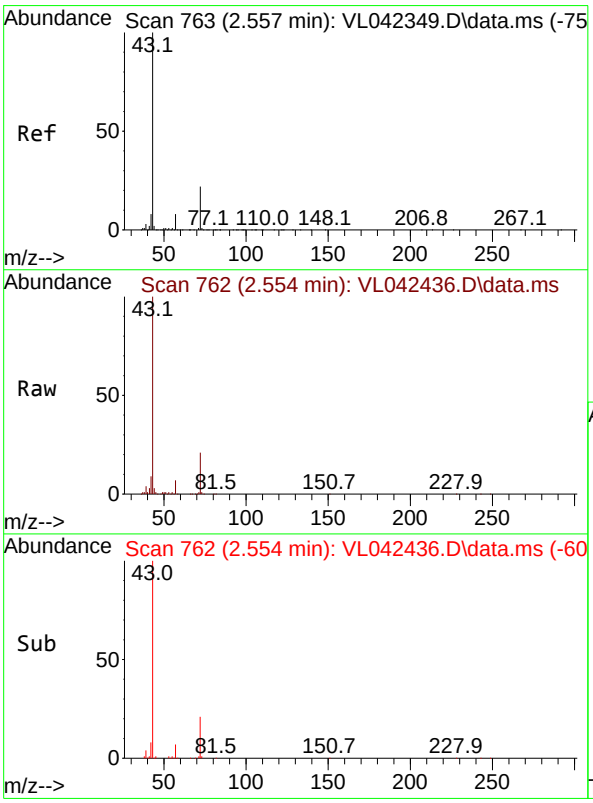
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 311268

Ion	Ratio	Lower	Upper
114	100		
63	28.3	21.8	32.6
88	19.5	15.5	23.3

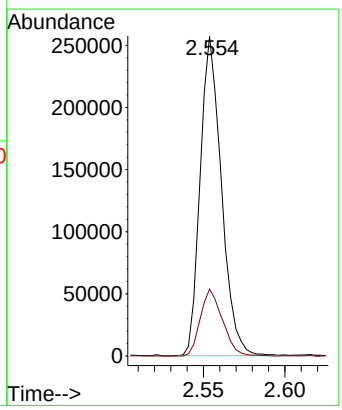


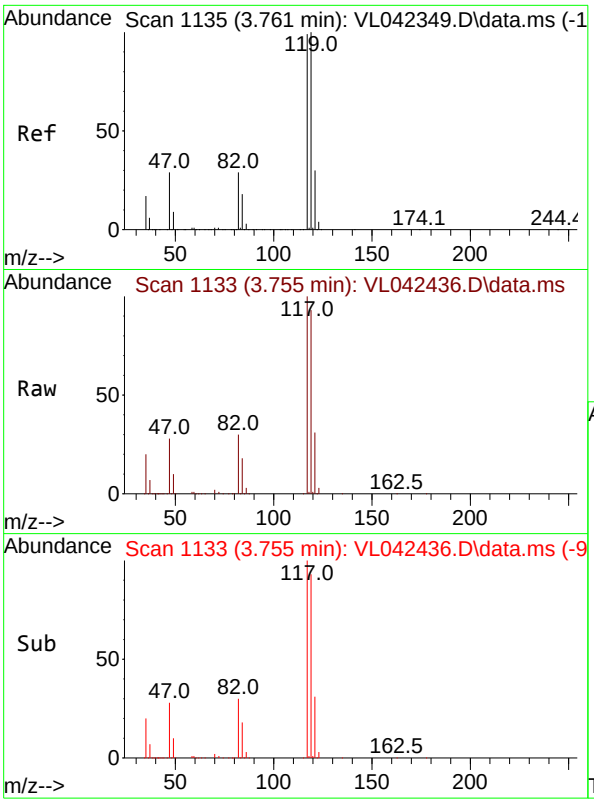


#34
2-Butanone
Concen: 9.426 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 232034

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.2	27.2



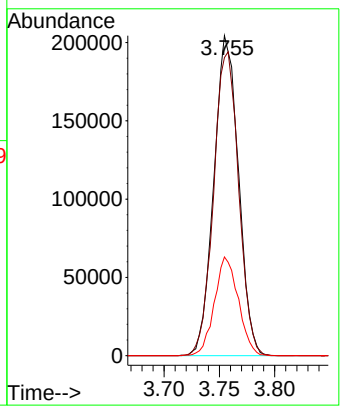


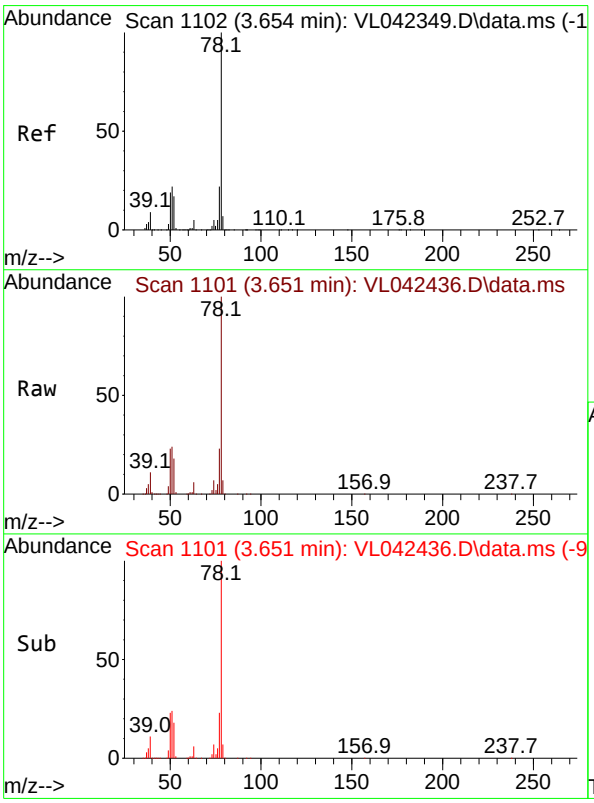
#35
Carbon Tetrachloride
Concen: 11.242 ppbv
RT: 3.755 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 316689

Ion	Ratio	Lower	Upper
117	100		
119	93.1	80.5	120.7
121	30.9	24.2	36.2

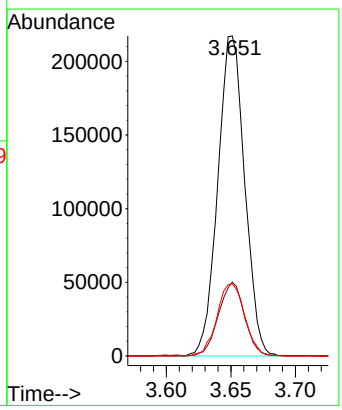


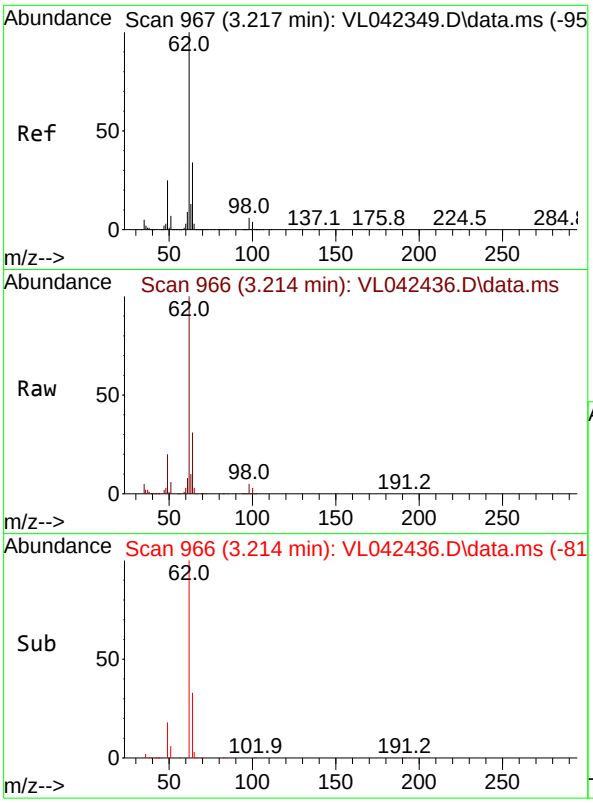


#36
Benzene
Concen: 9.367 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 78 Resp: 314493

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.4	26.0
50	22.6	15.5	23.3



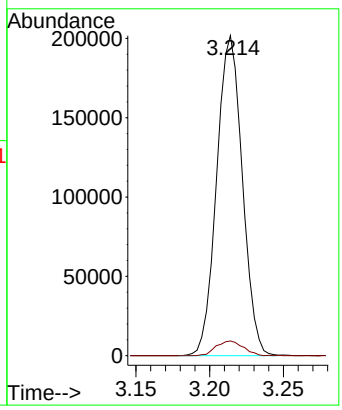


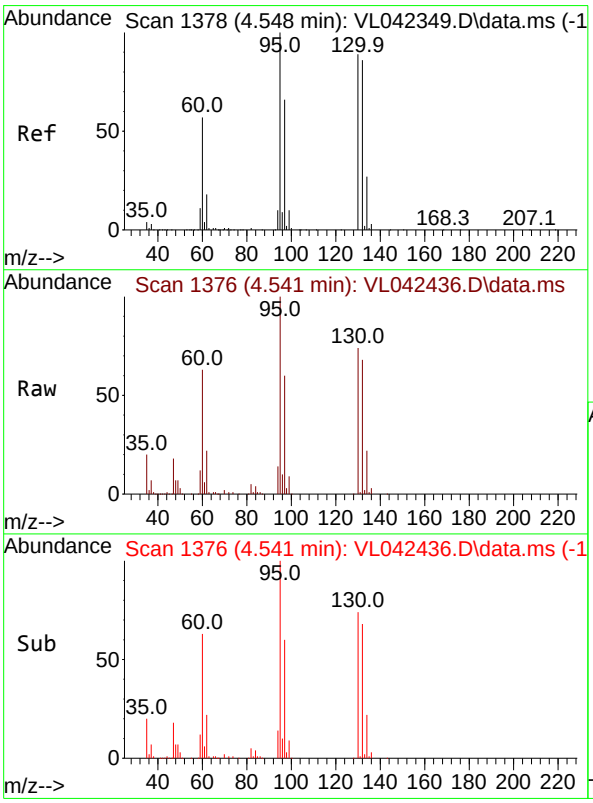
#37
1,2-Dichloroethane
Concen: 12.134 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 244516

Ion	Ratio	Lower	Upper
62	100		
98	4.9	5.1	7.7#

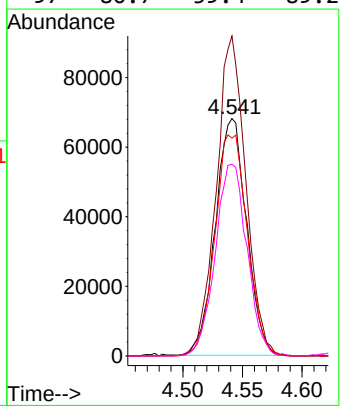


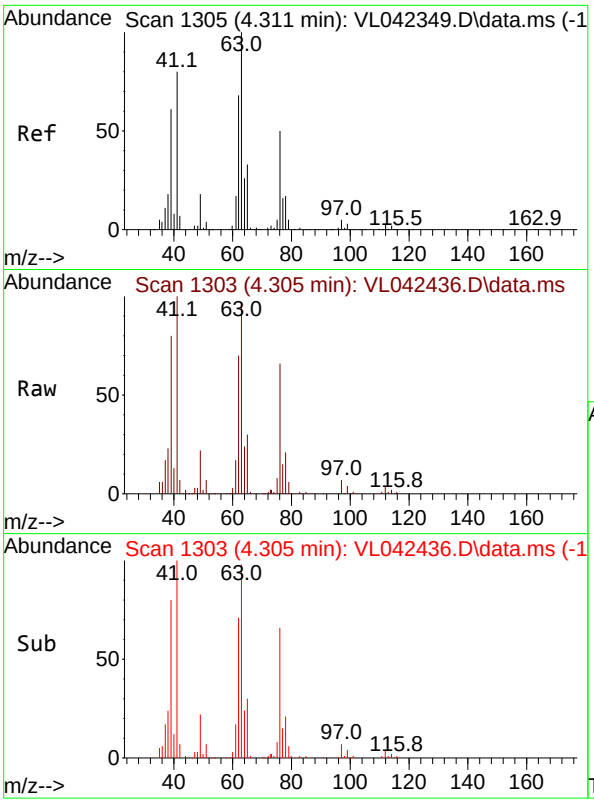


#38
Trichloroethene
Concen: 8.450 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:130 Resp: 123997

Ion	Ratio	Lower	Upper
130	100		
95	134.8	89.8	134.6#
132	92.0	77.7	116.5
97	80.7	59.4	89.2



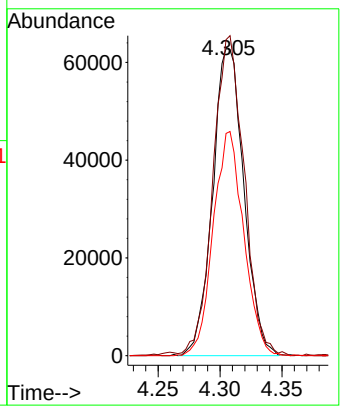


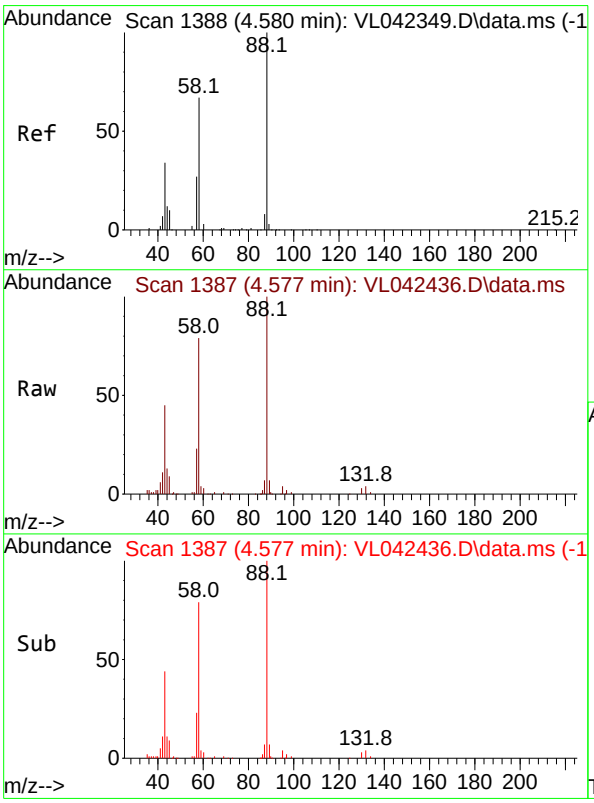
#39
1,2-Dichloropropane
Concen: 8.817 ppbv
RT: 4.305 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 110315

Ion	Ratio	Lower	Upper
63	100		
41	102.2	64.2	96.2#
62	72.1	54.3	81.5

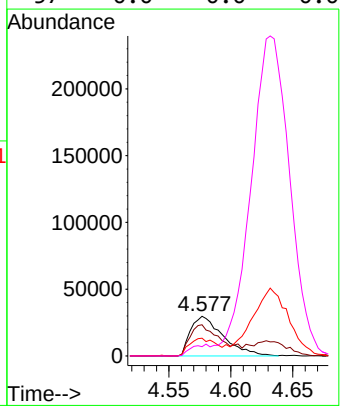


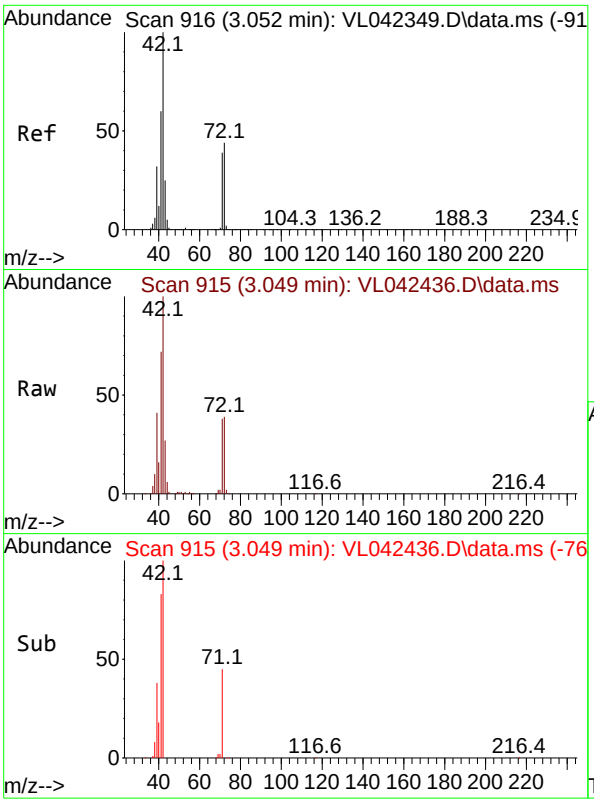


#40
1,4-Dioxane
Concen: 7.907 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 88 Resp: 54364

Ion	Ratio	Lower	Upper
88	100		
58	81.3	61.4	92.0
43	40.1	23.2	34.8#
57	0.0	0.0	0.0



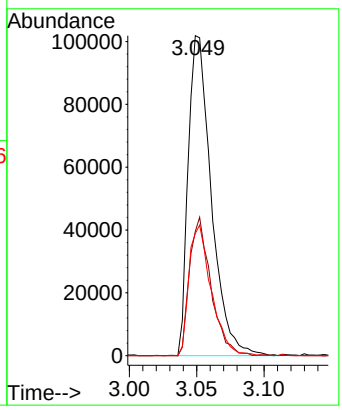


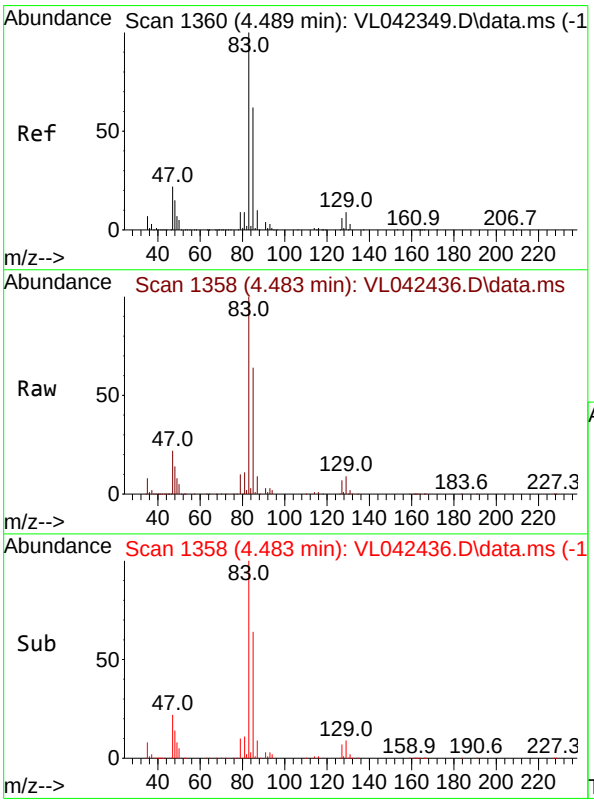
#41
Tetrahydrofuran
Concen: 8.479 ppbv
RT: 3.049 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 121700

Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.3	48.5
71	39.5	31.4	47.2

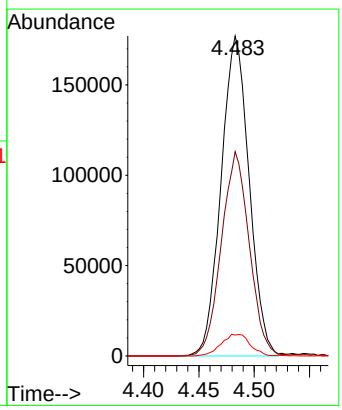


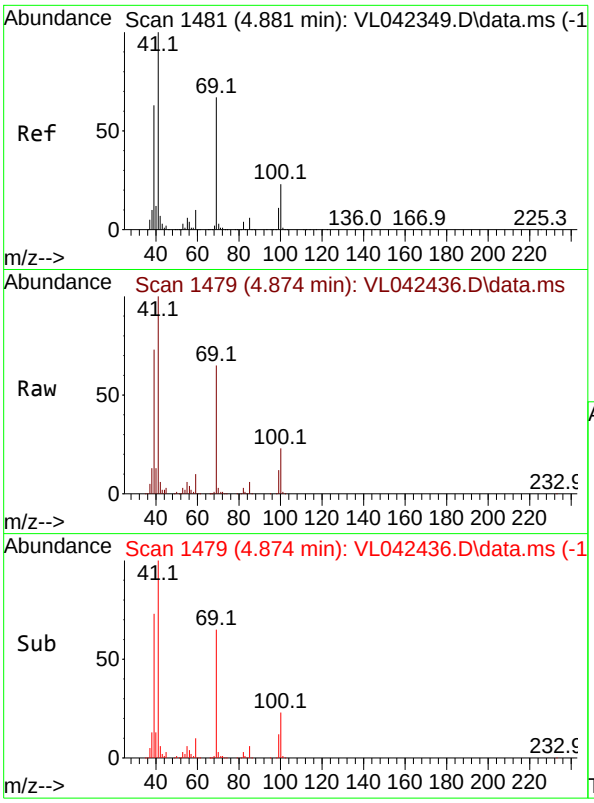


#42
Bromodichloromethane
Concen: 11.127 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 83 Resp: 312029

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.7	74.5
127	6.6	5.1	7.7



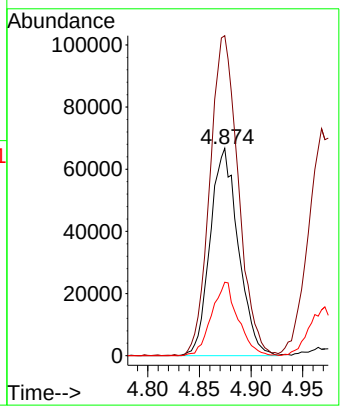


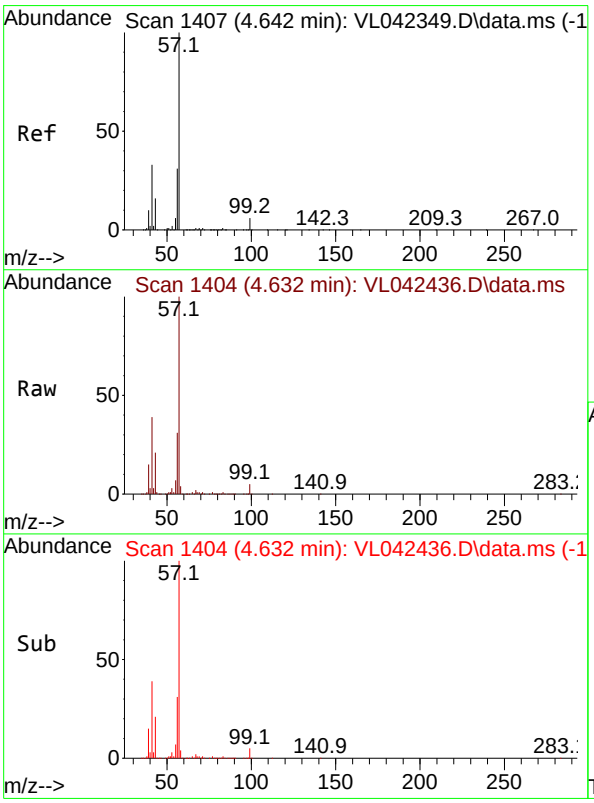
#43
Methyl Methacrylate
Concen: 8.367 ppbv
RT: 4.874 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 126594

Ion	Ratio	Lower	Upper
69	100		
41	156.3	118.6	177.8
100	33.3	28.2	42.2

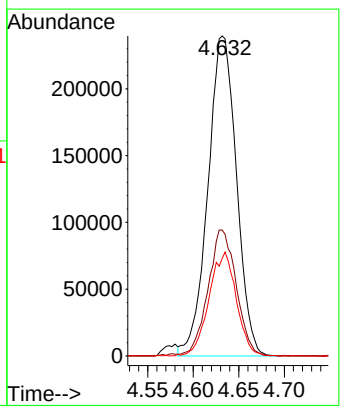


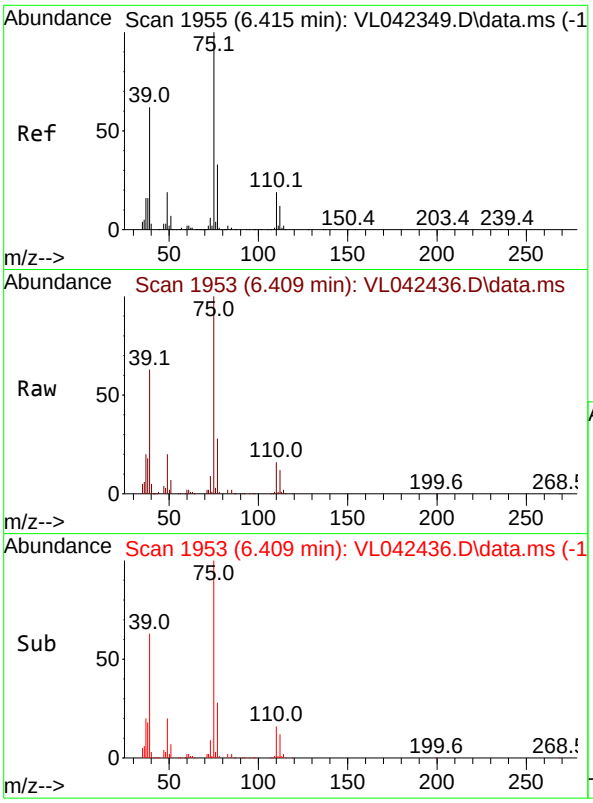


#44
2,2,4-Trimethylpentane
Concen: 9.010 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 57 Resp: 522427

Ion	Ratio	Lower	Upper
57	100		
41	39.2	27.2	40.8
56	31.1	25.7	38.5



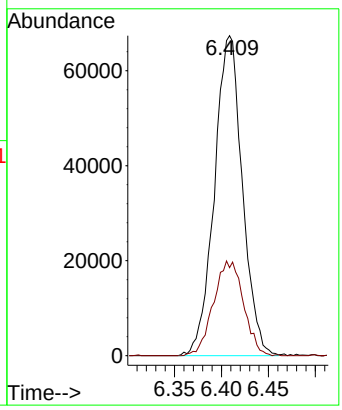


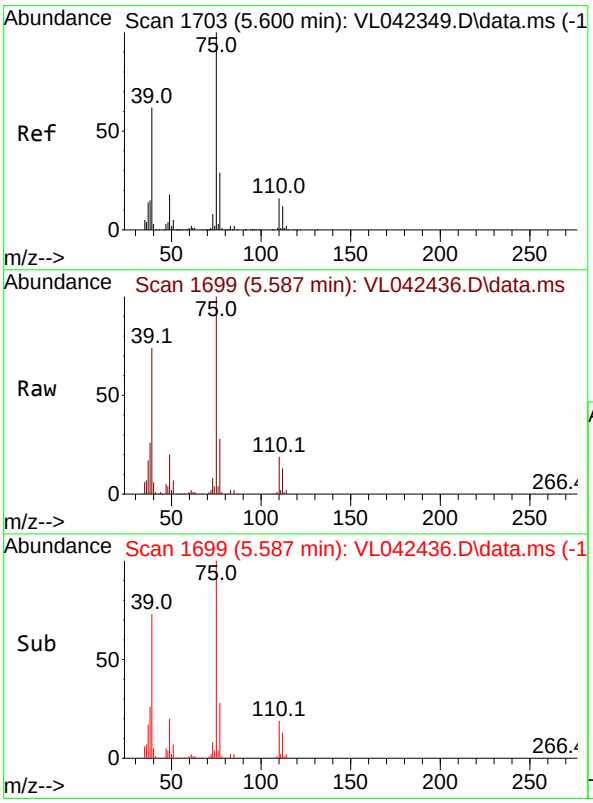
#45
t-1,3-Dichloropropene
Concen: 9.026 ppbv
RT: 6.409 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 139508

Ion	Ratio	Lower	Upper
75	100		
77	27.5	27.0	40.6

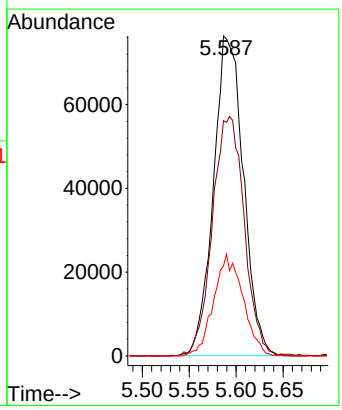


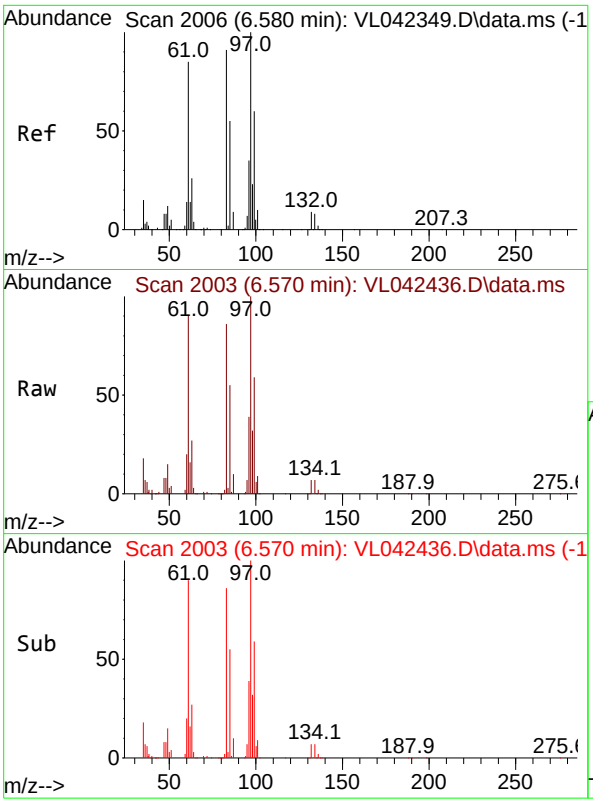


#46
cis-1,3-Dichloropropene
Concen: 8.953 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.013 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 75 Resp: 169355

Ion	Ratio	Lower	Upper
75	100		
39	73.4	50.0	75.0
77	28.2	23.0	34.6



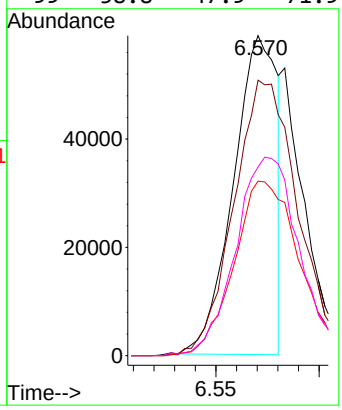


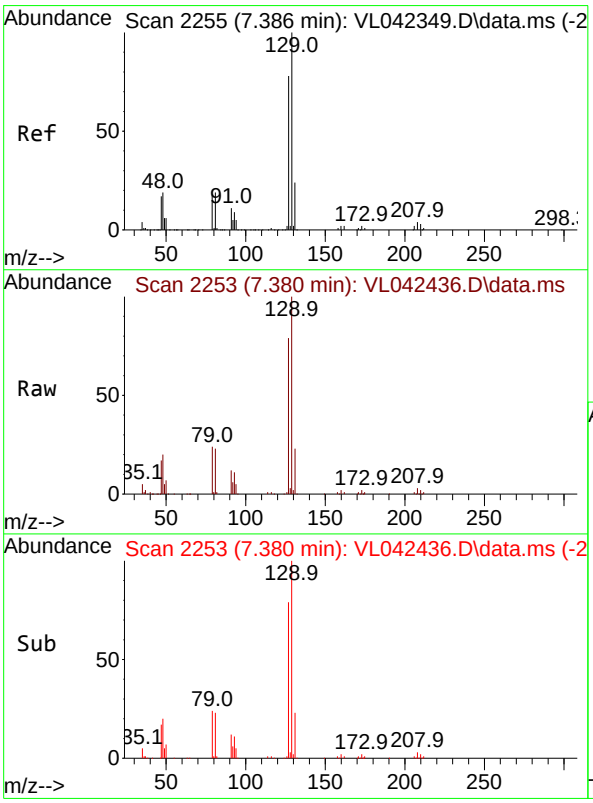
#47
1,1,2-Trichloroethane
Concen: 6.778 ppbv
RT: 6.570 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 86392

Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.8	109.2
85	54.1	44.2	66.4
99	58.8	47.9	71.9

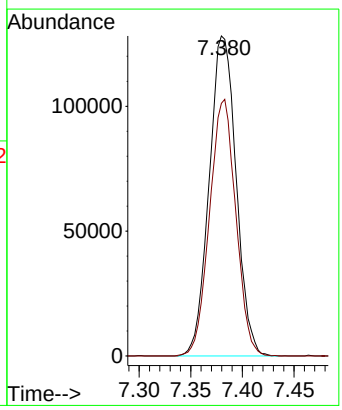


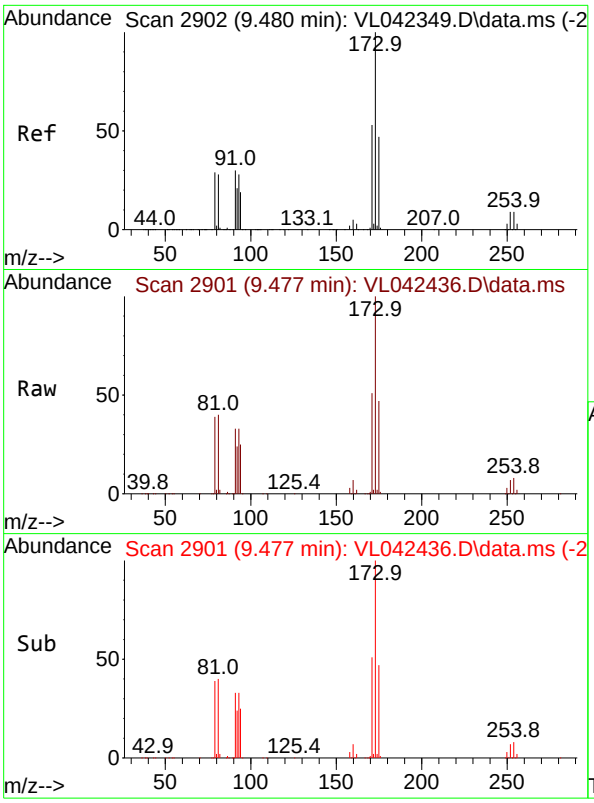


#48
Dibromochloromethane
Concen: 10.339 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:129 Resp: 232818

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3



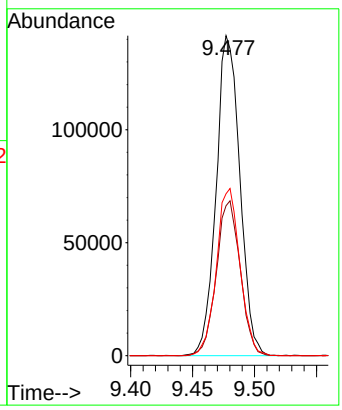


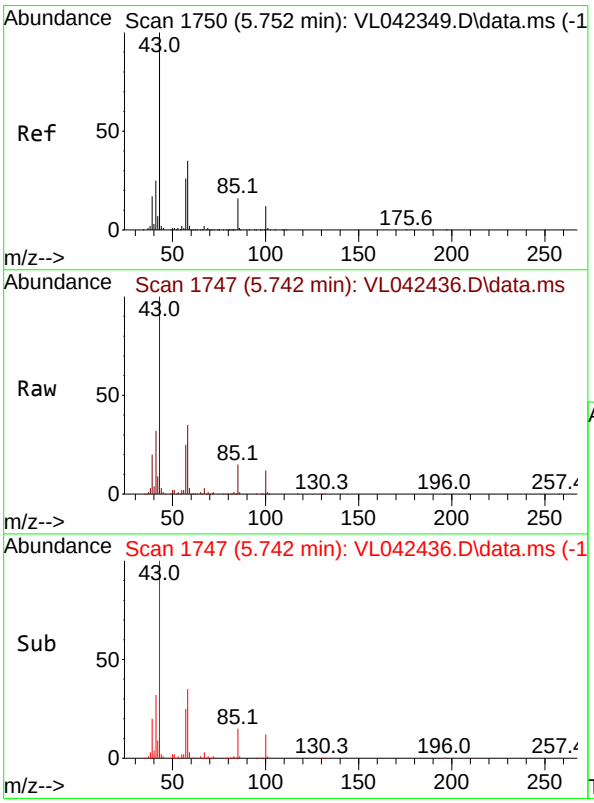
#49
Bromoform
Concen: 9.593 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 188896

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.2	57.2
171	52.0	40.9	61.3

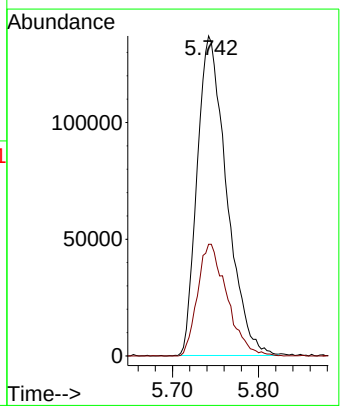


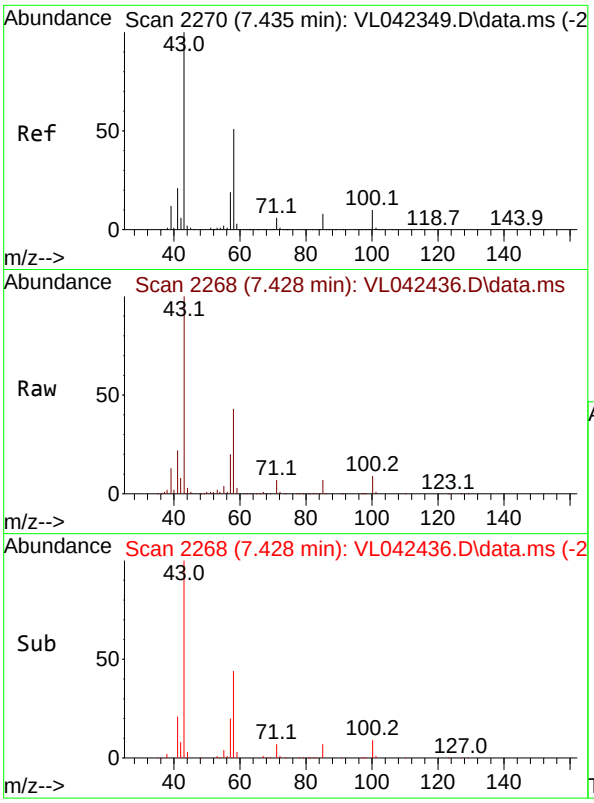


#50
4-Methyl-2-Pentanone
Concen: 7.965 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 43 Resp: 325855

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	43.0



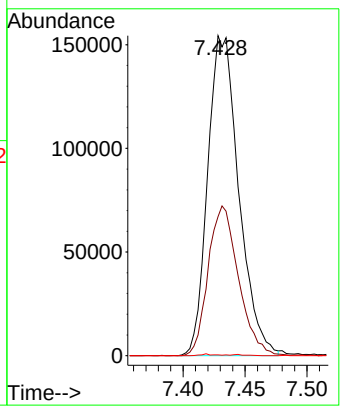


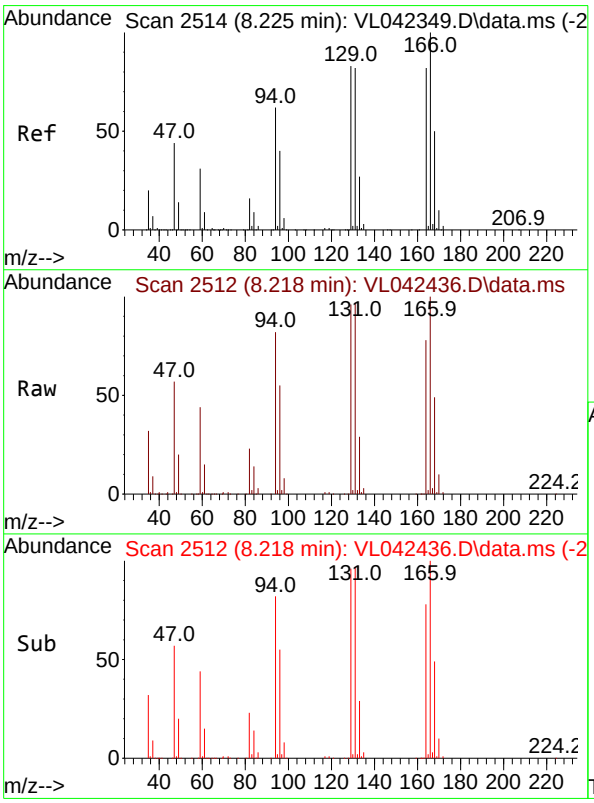
#51
2-Hexanone
Concen: 7.357 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 269915

Ion	Ratio	Lower	Upper
43	100		
58	45.8	40.2	60.4
98	0.4	0.1	0.1#

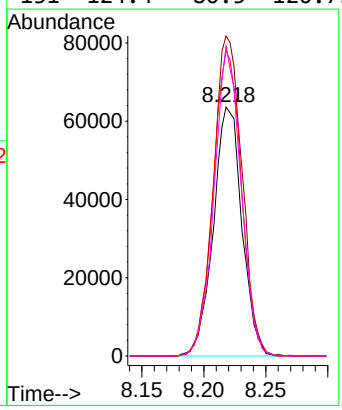


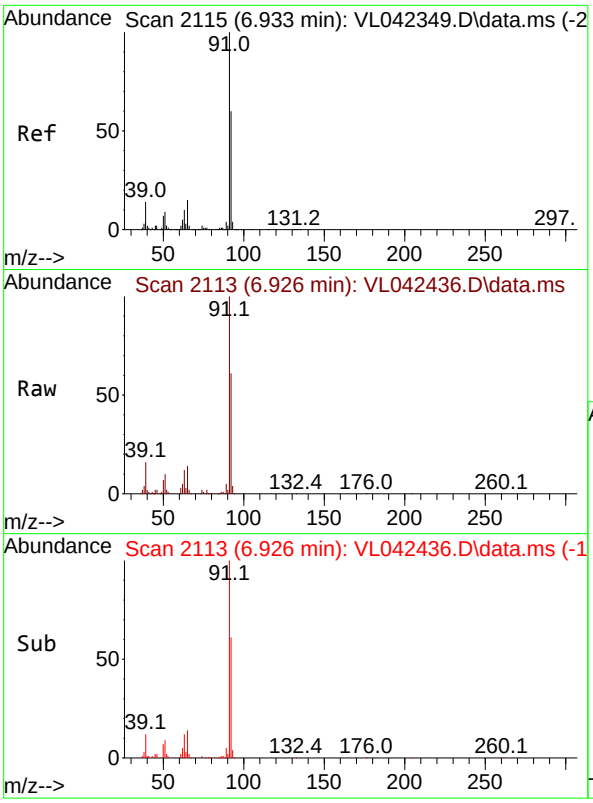


#52
Tetrachloroethene
Concen: 7.833 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:164 Resp: 101642

Ion	Ratio	Lower	Upper
164	100		
166	128.6	98.2	147.2
129	122.8	81.8	122.8#
131	124.4	80.5	120.7#



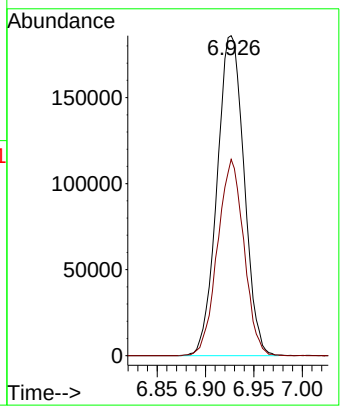


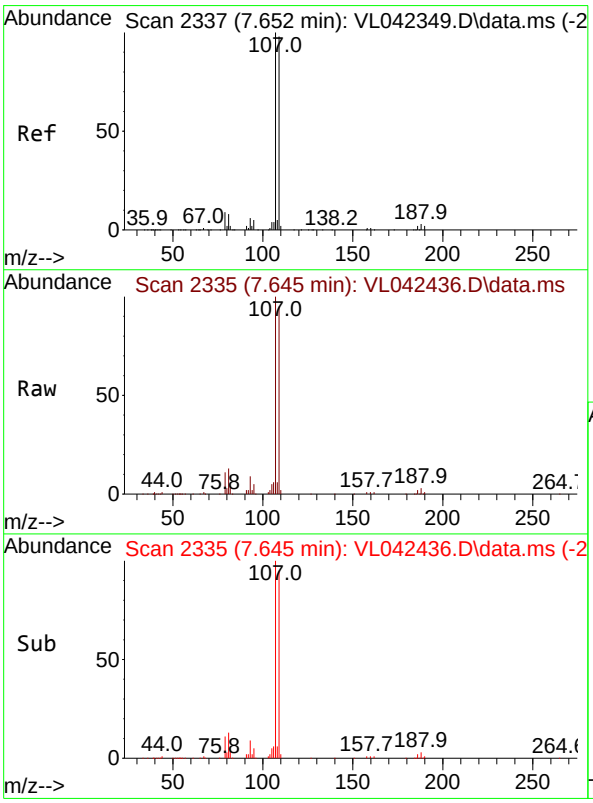
#53
Toluene
Concen: 8.968 ppbv
RT: 6.926 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 361317

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.4

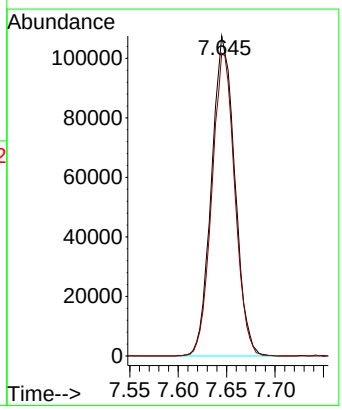


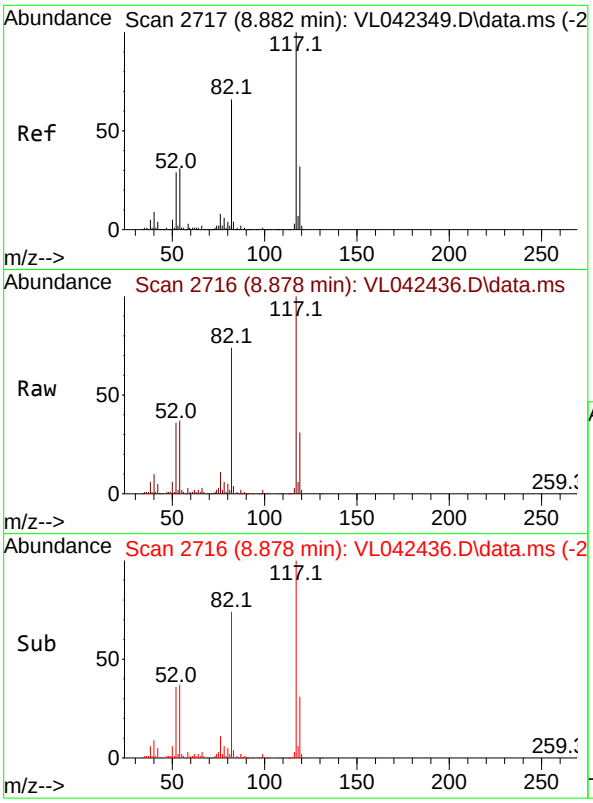


#54
1,2-Dibromoethane
Concen: 9.861 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:107 Resp: 179895

Ion	Ratio	Lower	Upper
107	100		
109	94.7	78.2	117.4



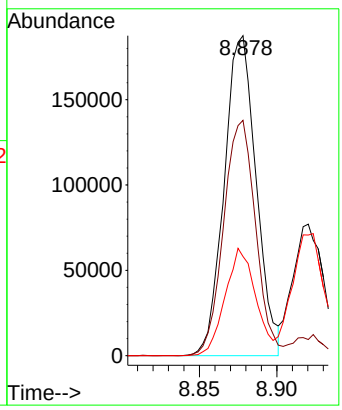


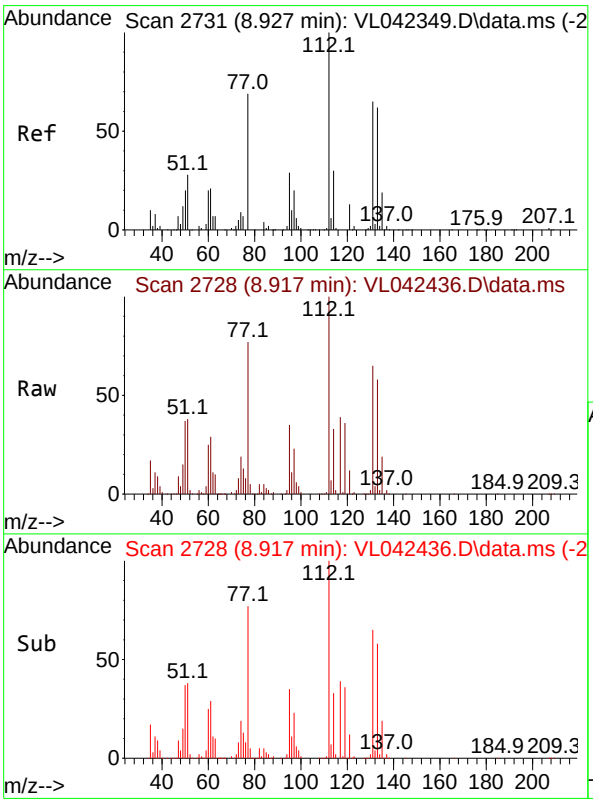
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 269987

Ion	Ratio	Lower	Upper
117	100		
82	79.6	57.8	86.6
119	32.9	25.2	37.8

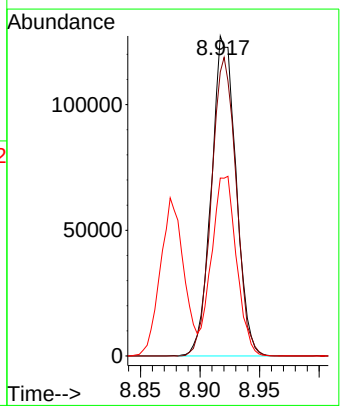


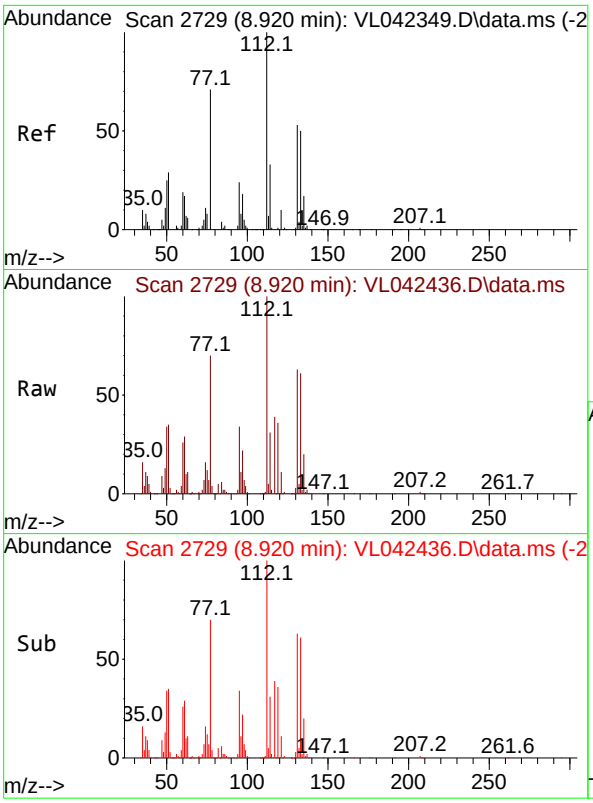


#56
1,1,1,2-Tetrachloroethane
Concen: 11.184 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:131 Resp: 182759

Ion	Ratio	Lower	Upper
131	100		
133	93.9	78.3	117.5
119	55.8	48.7	73.1



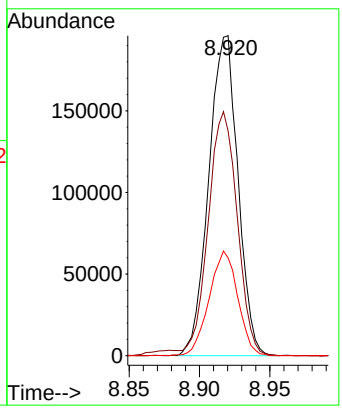


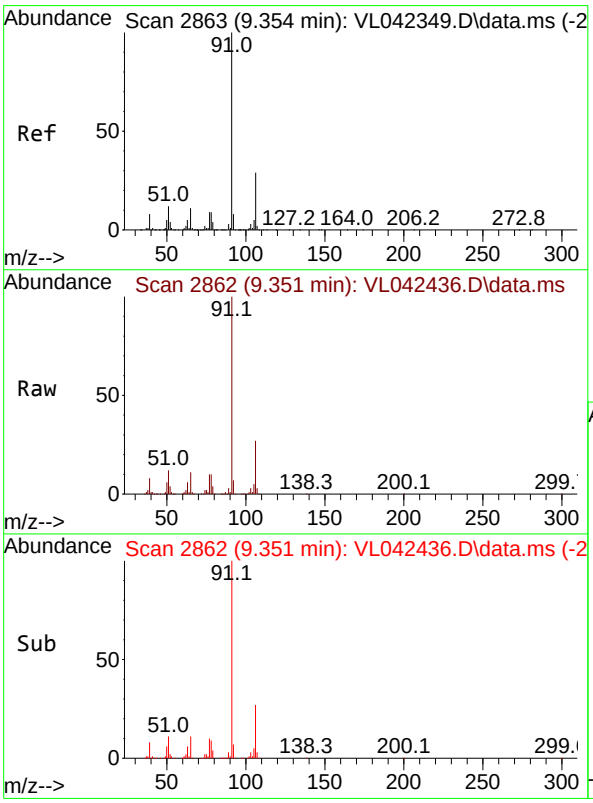
#57
Chlorobenzene
Concen: 10.086 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 283210

Ion	Ratio	Lower	Upper
112	100		
77	70.2	57.8	86.6
114	30.6	29.3	35.9

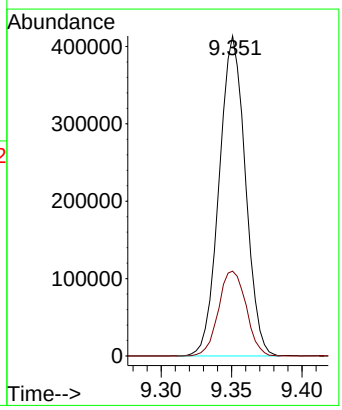


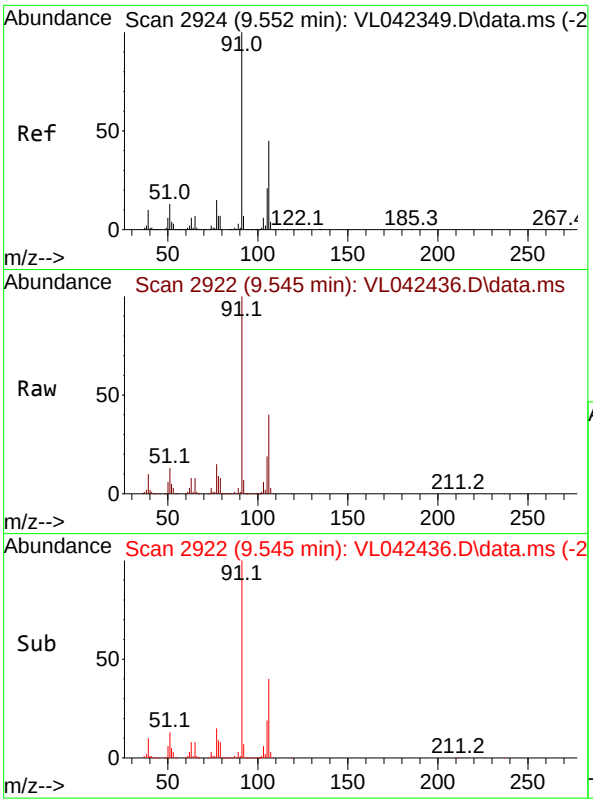


#58
Ethyl Benzene
Concen: 10.032 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 536634

Ion	Ratio	Lower	Upper
91	100		
106	26.5	23.0	34.4



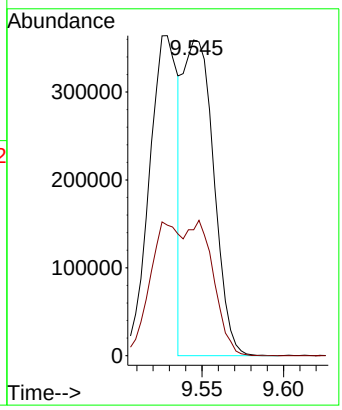


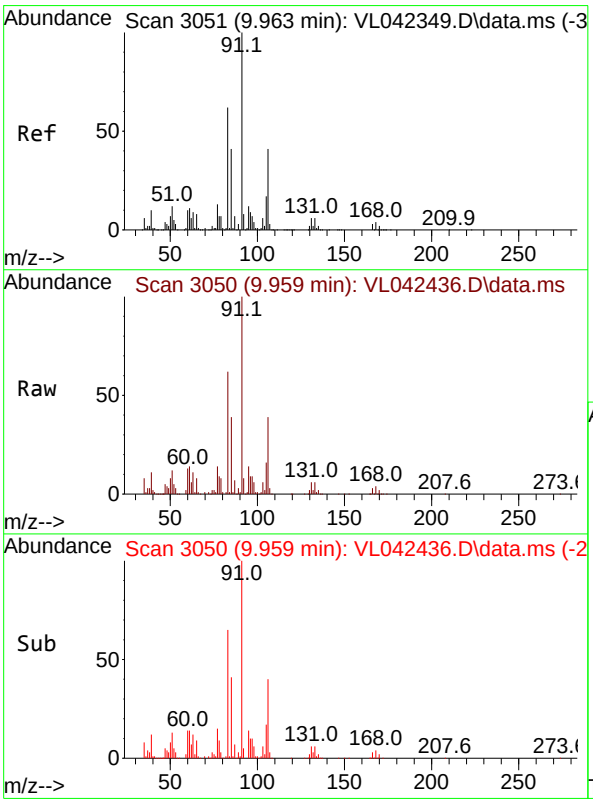
#59
m/p-Xylene
Concen: 10.897 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 469573

Ion	Ratio	Lower	Upper
91	100		
106	81.2	35.4	53.2#

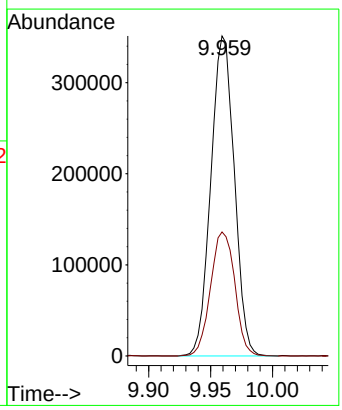


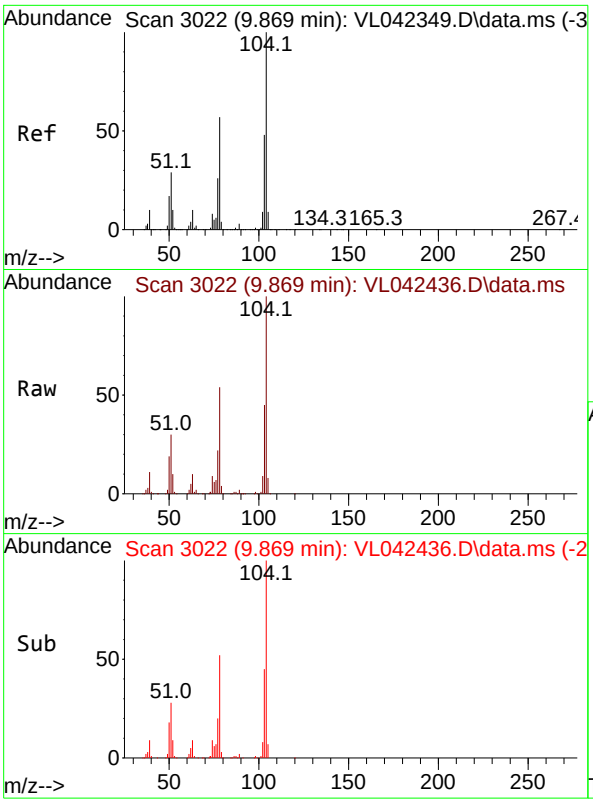


#60
o-Xylene
Concen: 10.686 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 463713

Ion	Ratio	Lower	Upper
91	100		
106	40.0	21.1	63.4



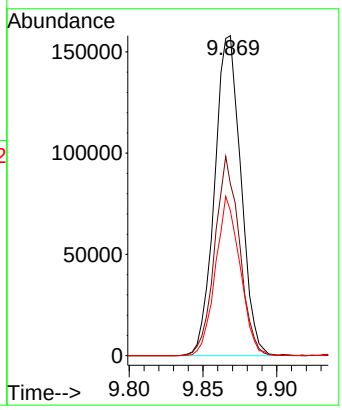


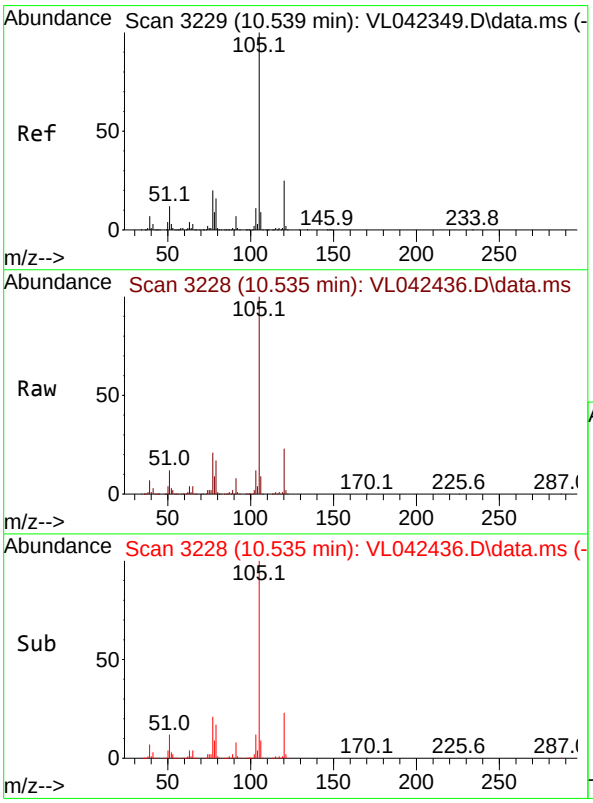
#61
Styrene
Concen: 9.454 ppbv
RT: 9.869 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 195813

Ion	Ratio	Lower	Upper
104	100		
78	58.5	44.6	66.8
103	46.7	37.4	56.0

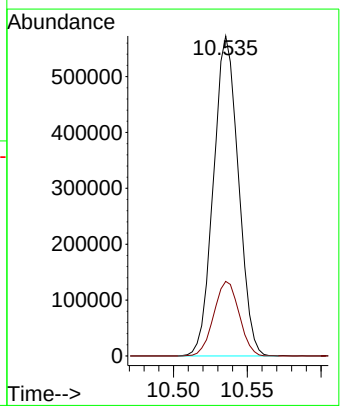


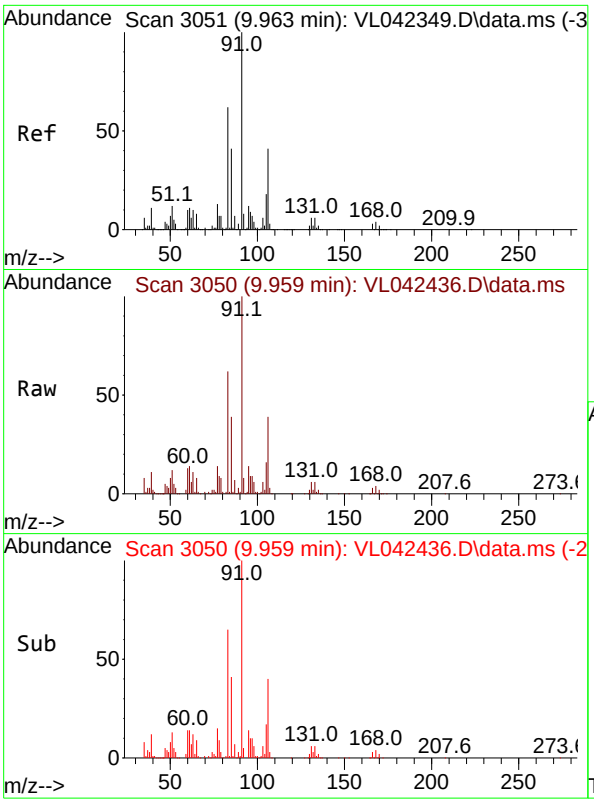


#62
Isopropylbenzene
Concen: 10.558 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 672630

Ion	Ratio	Lower	Upper
105	100		
120	23.7	19.8	29.8



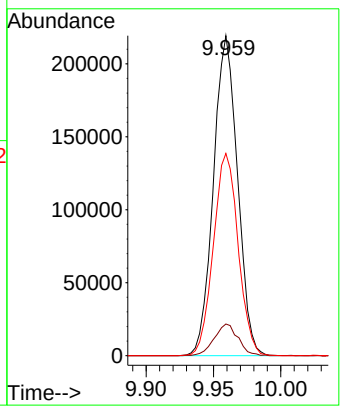


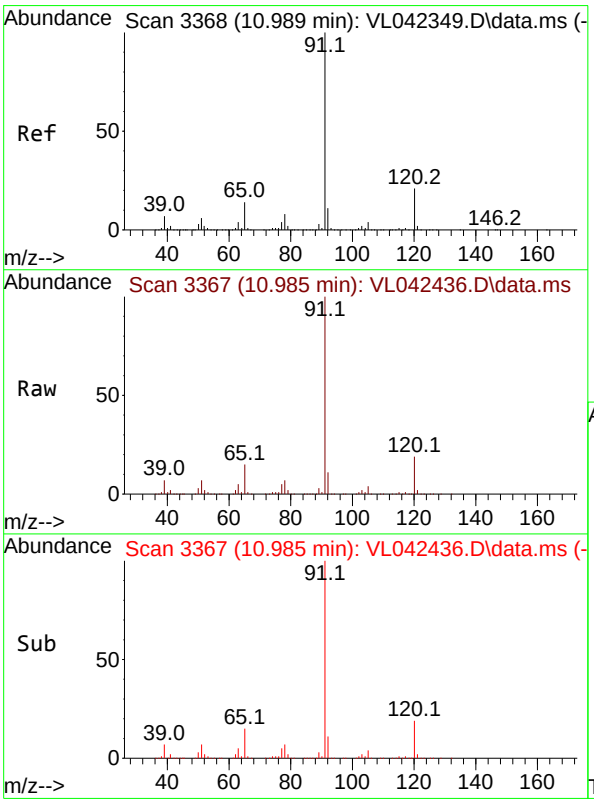
#63
1,1,2,2-Tetrachloroethane
Concen: 9.699 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 272746

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	65.0	32.4	97.0

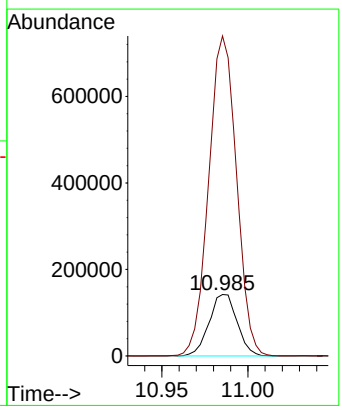


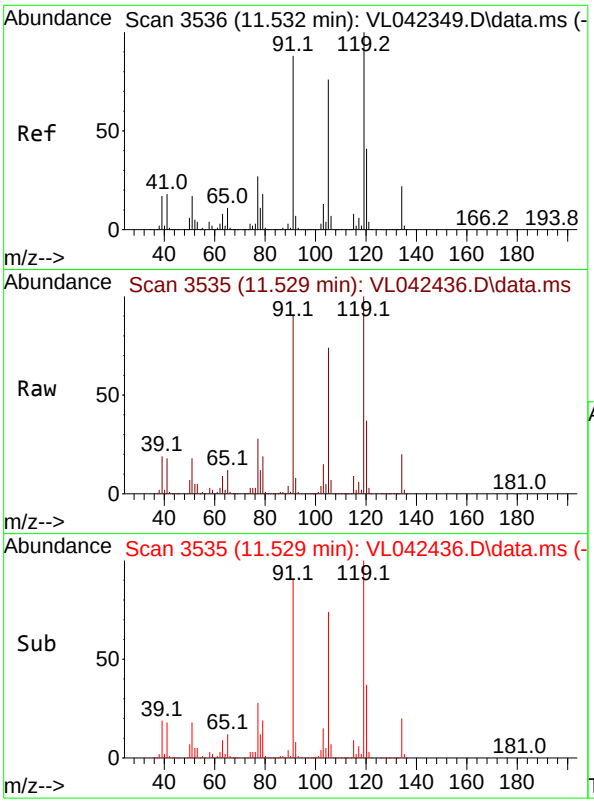


#64
n-propylbenzene
Concen: 10.037 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:120 Resp: 160736

Ion	Ratio	Lower	Upper
120	100		
91	518.7	392.4	588.6



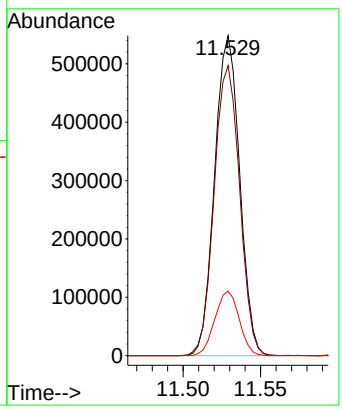


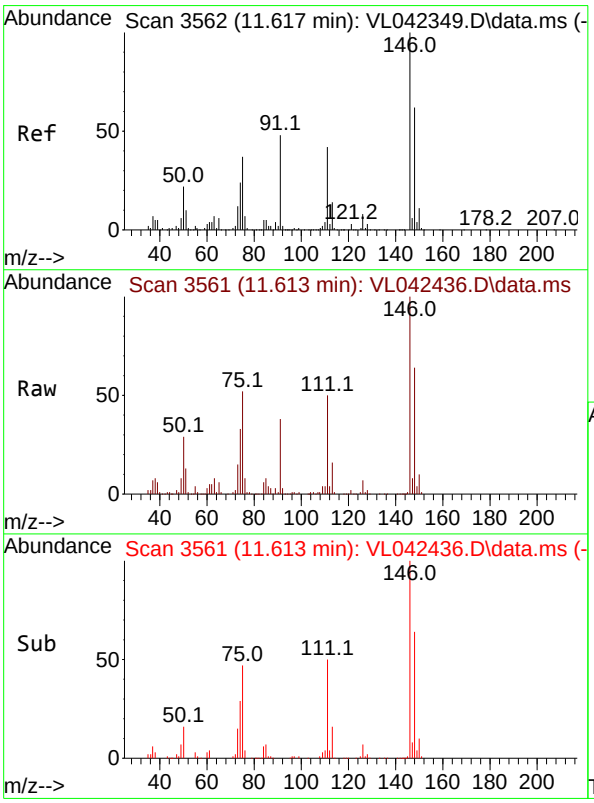
#65
tert-Butylbenzene
Concen: 10.535 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 616872

Ion	Ratio	Lower	Upper
119	100		
91	92.2	74.6	111.8
134	19.6	18.8	28.2

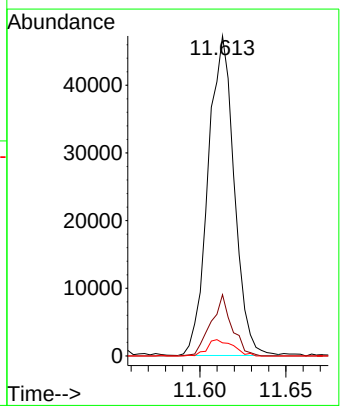


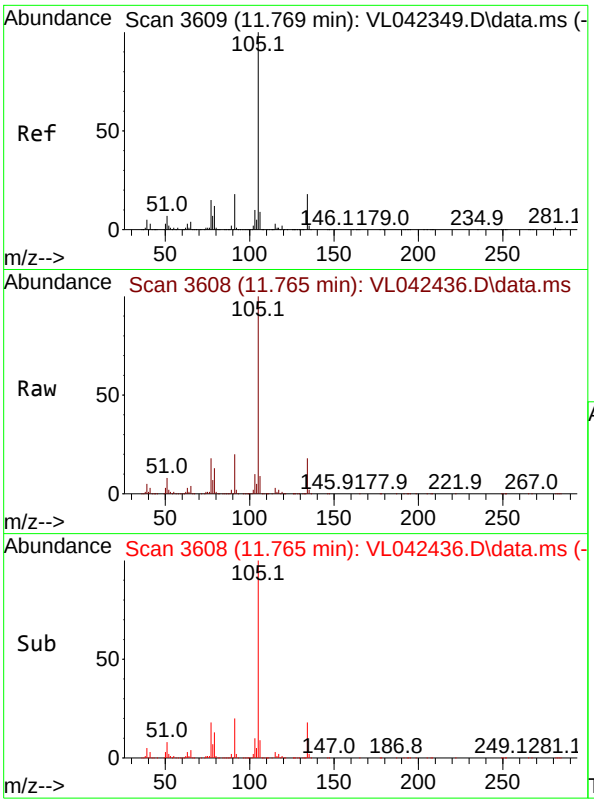


#66
Benzyl Chloride
Concen: 7.746 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 49841

Ion	Ratio	Lower	Upper
91	100		
126	15.4	11.8	17.6
128	5.1	4.5	6.7



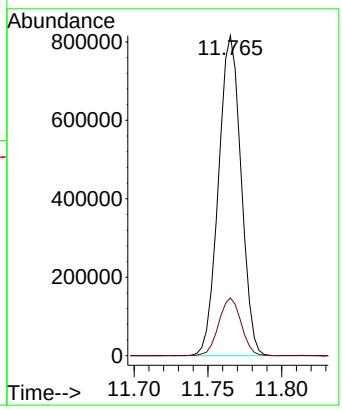


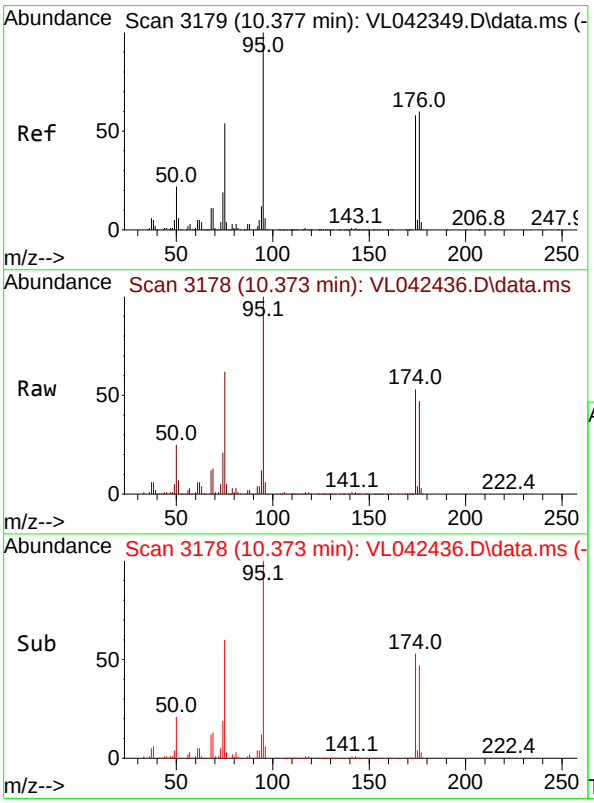
#67
sec-Butylbenzene
Concen: 10.677 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 869595

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	21.8

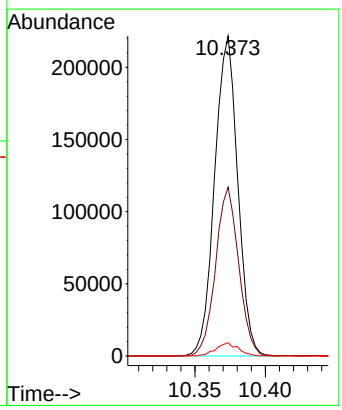


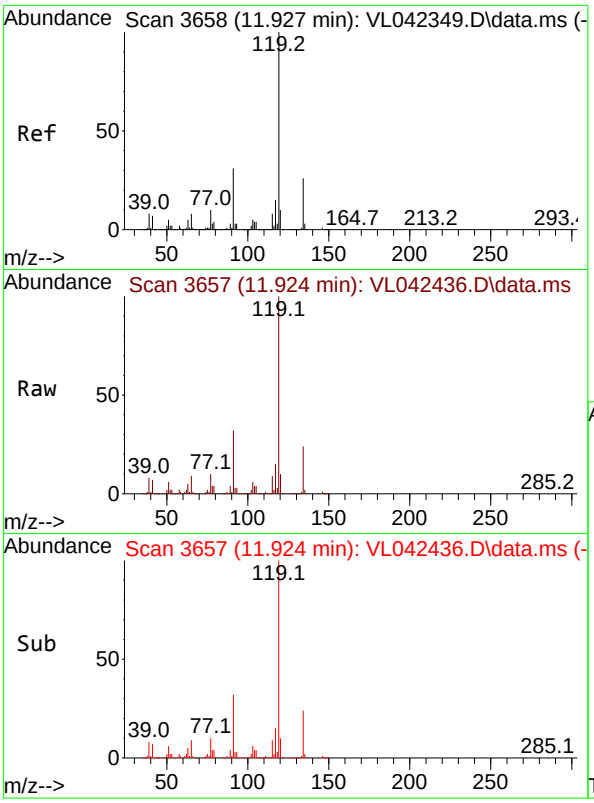


#68
1-Bromo-4-Fluorobenzene
Concen: 11.413 ppbv
RT: 10.373 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 95 Resp: 253216

Ion	Ratio	Lower	Upper
95	100		
174	52.8	48.5	72.7
175	4.0	3.7	5.5



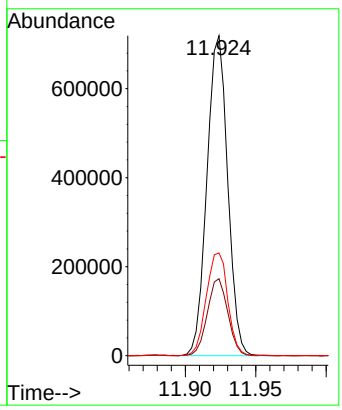


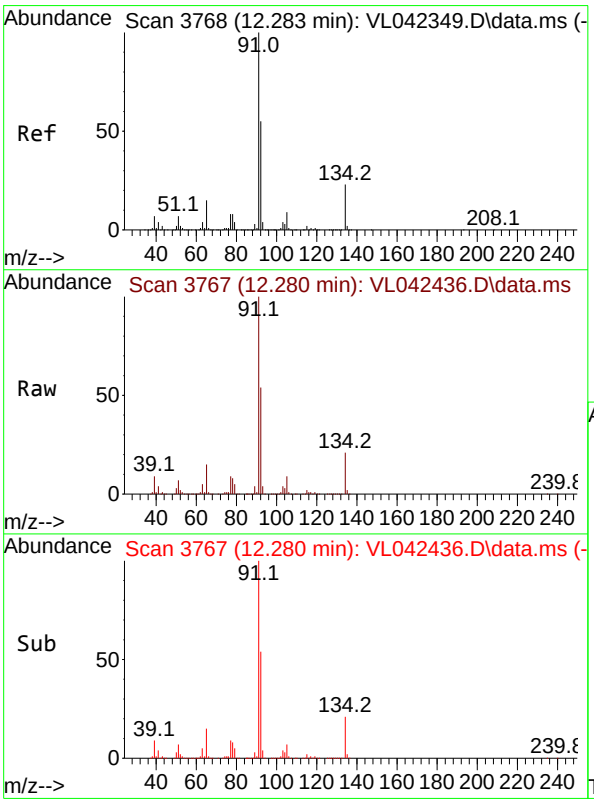
#69
p-Isopropyltoluene
Concen: 10.442 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 738863

Ion	Ratio	Lower	Upper
119	100		
134	23.9	20.0	30.0
91	33.5	24.4	36.6

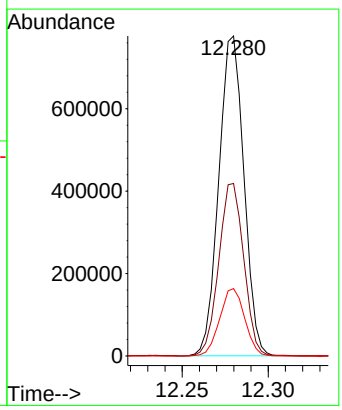


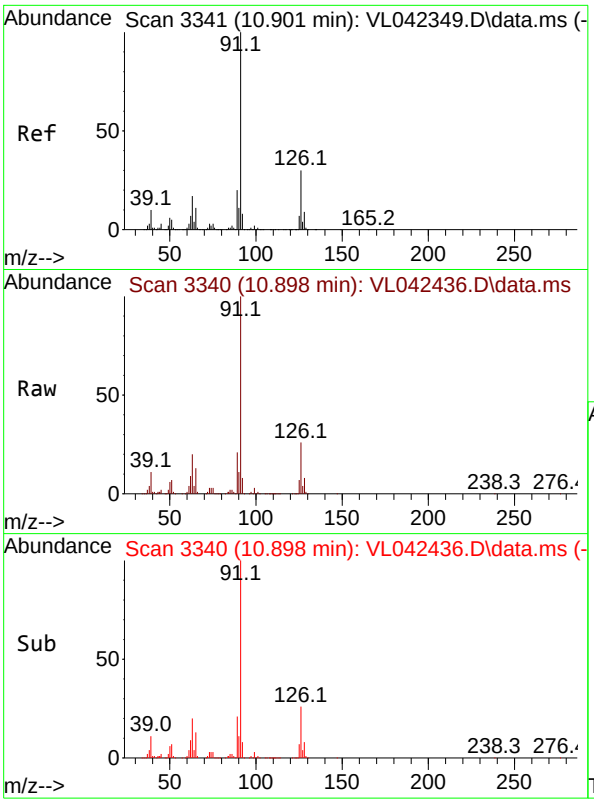


#70
n-Butylbenzene
Concen: 10.688 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion: 91 Resp: 787717

Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.2	66.4
134	21.0	18.2	27.4



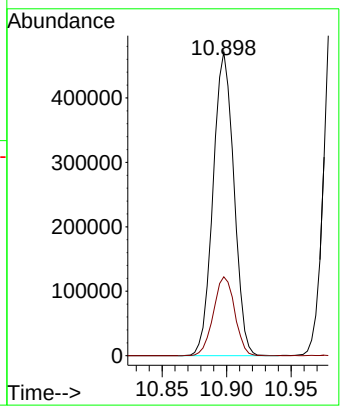


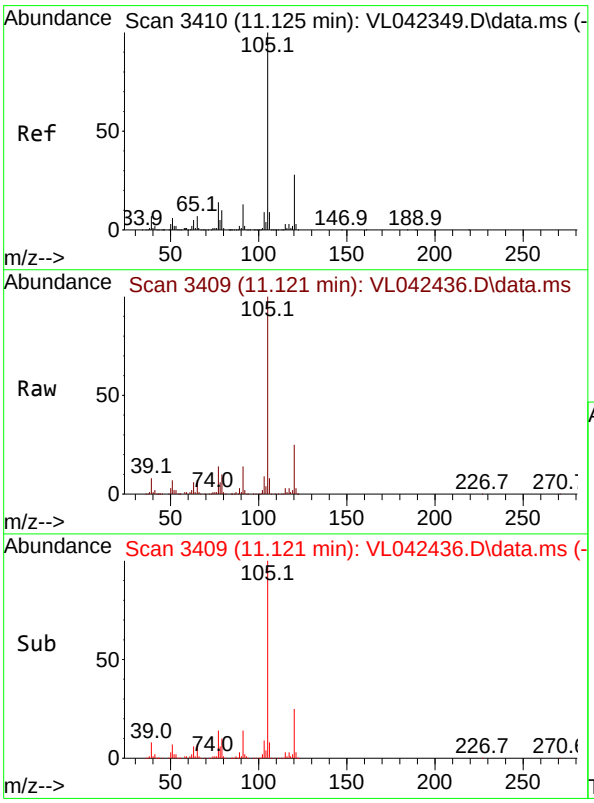
#71
2-Chlorotoluene
Concen: 10.571 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 528205

Ion	Ratio	Lower	Upper
91	100		
126	26.5	11.4	45.4

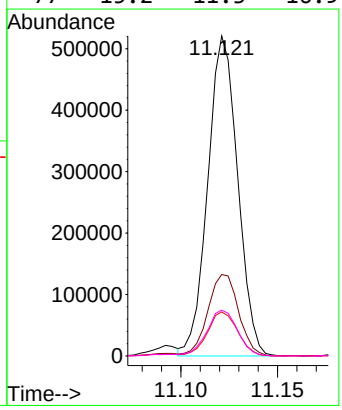


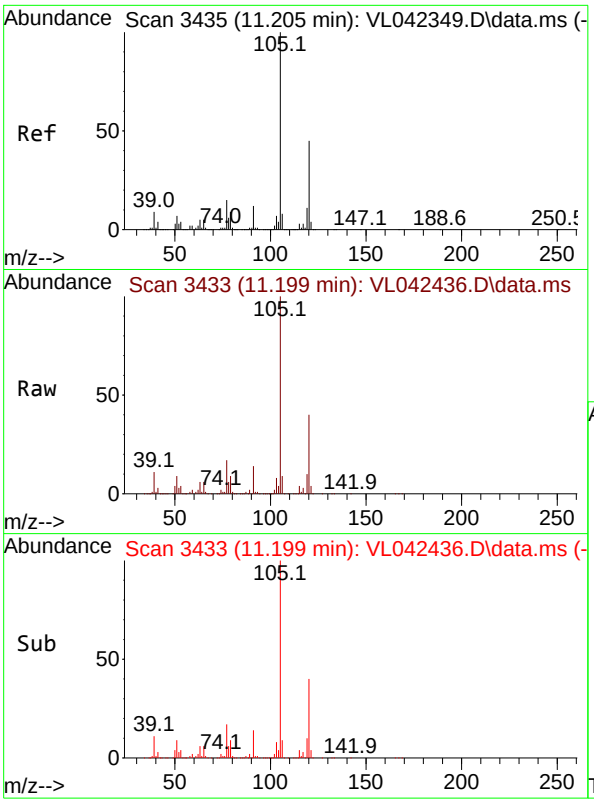


#72
4-Ethyltoluene
Concen: 10.542 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 559285

Ion	Ratio	Lower	Upper
105	100		
120	27.0	23.2	34.8
91	14.5	10.4	15.6
77	15.2	11.3	16.9



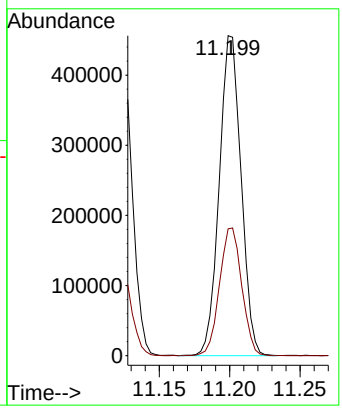


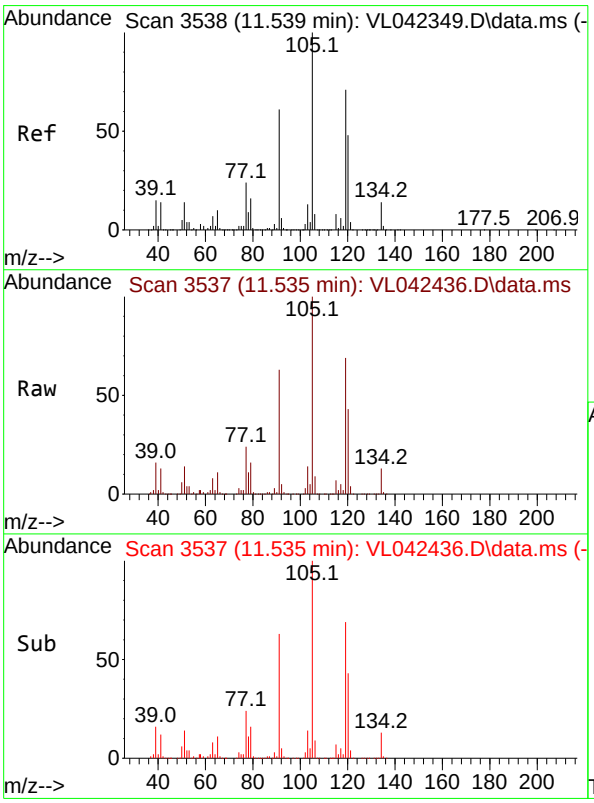
#73
1,3,5-Trimethylbenzene
Concen: 10.546 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.007 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 493949

Ion	Ratio	Lower	Upper
105	100		
120	39.6	35.6	53.4

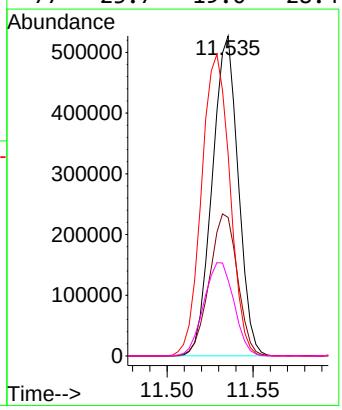


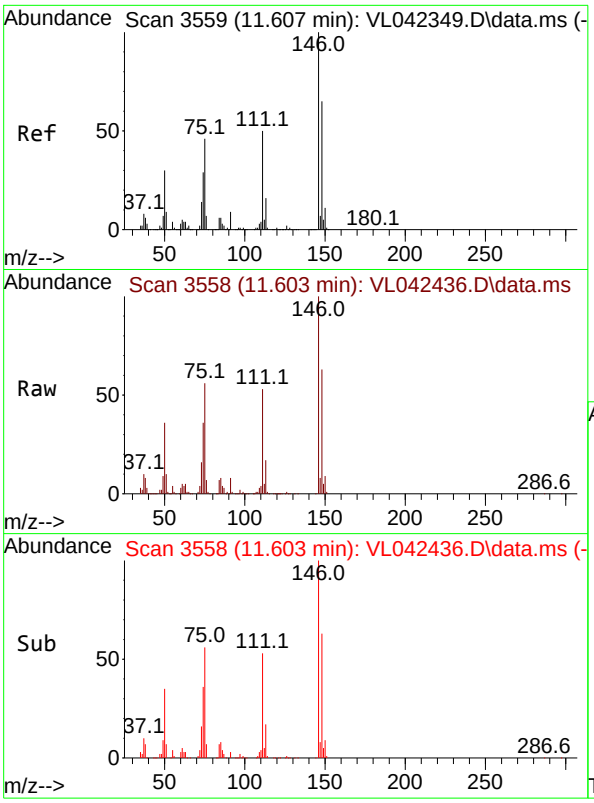


#74
1,2,4-Trimethylbenzene
Concen: 10.130 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:105 Resp: 554136

Ion	Ratio	Lower	Upper
105	100		
120	43.3	38.1	57.1
91	63.1	48.8	73.2
77	23.7	19.0	28.4



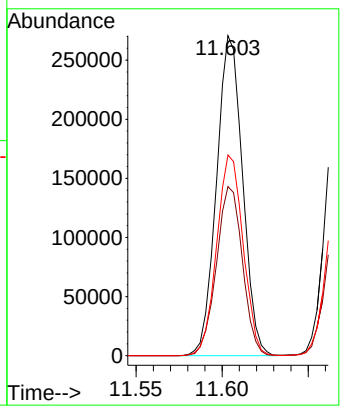


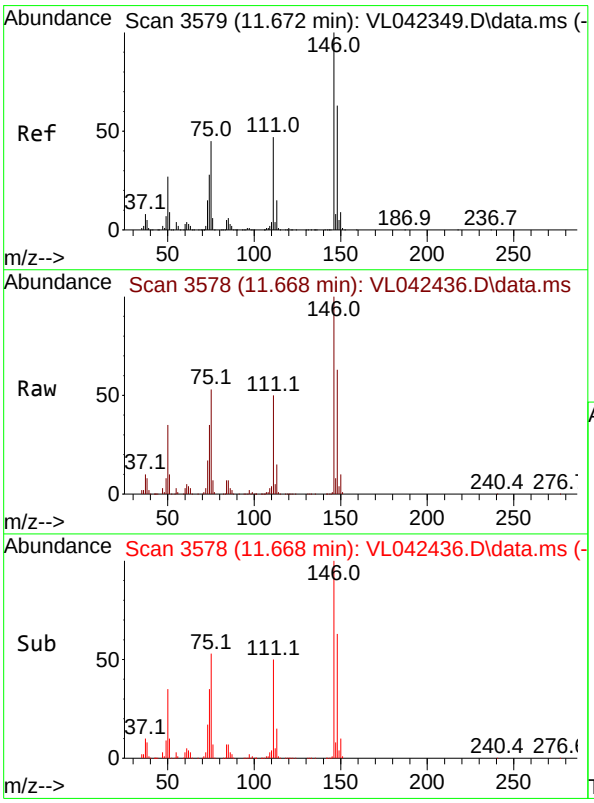
#75
1,3-Dichlorobenzene
Concen: 10.024 ppbv
RT: 11.603 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 285025

Ion	Ratio	Lower	Upper
146	100		
111	52.9	24.3	72.8
148	63.6	31.6	94.8

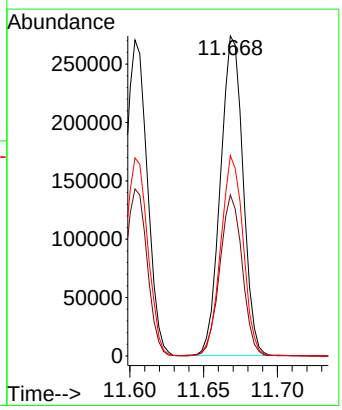


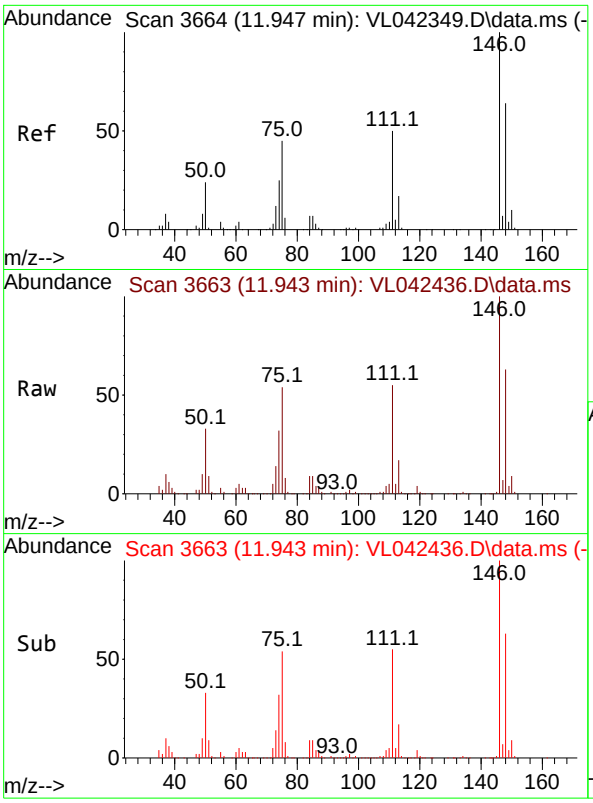


#76
1,4-Dichlorobenzene
Concen: 10.210 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:146 Resp: 291795

Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.2	72.6
148	62.4	32.1	96.5



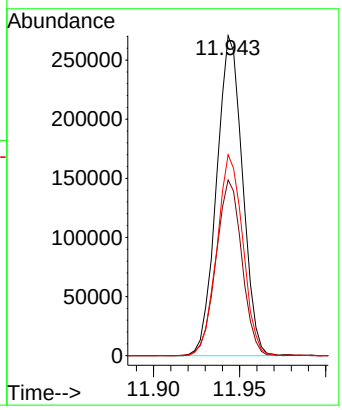


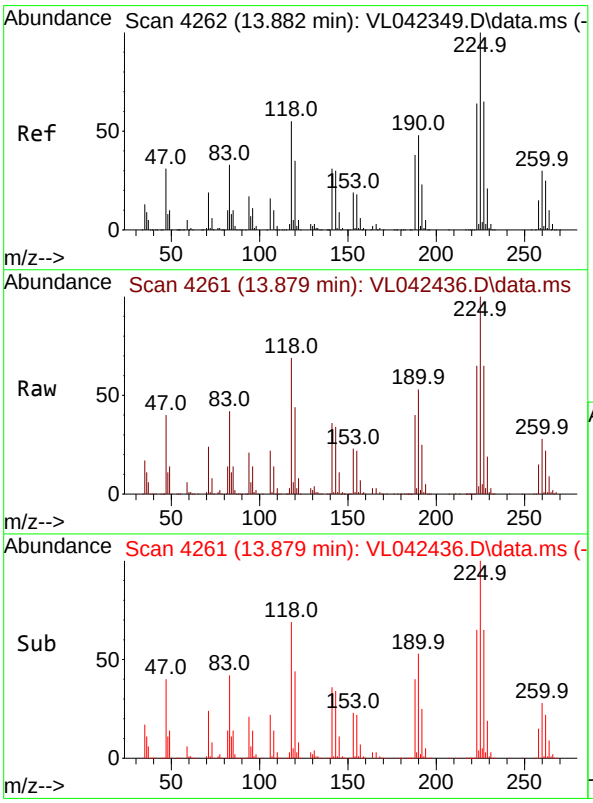
#77
1,2-Dichlorobenzene
Concen: 10.261 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 283700

Ion	Ratio	Lower	Upper
146	100		
111	54.8	25.3	75.9
148	63.1	31.5	94.5

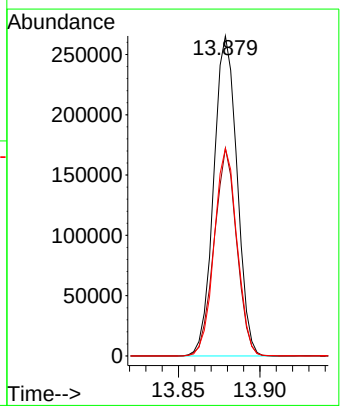


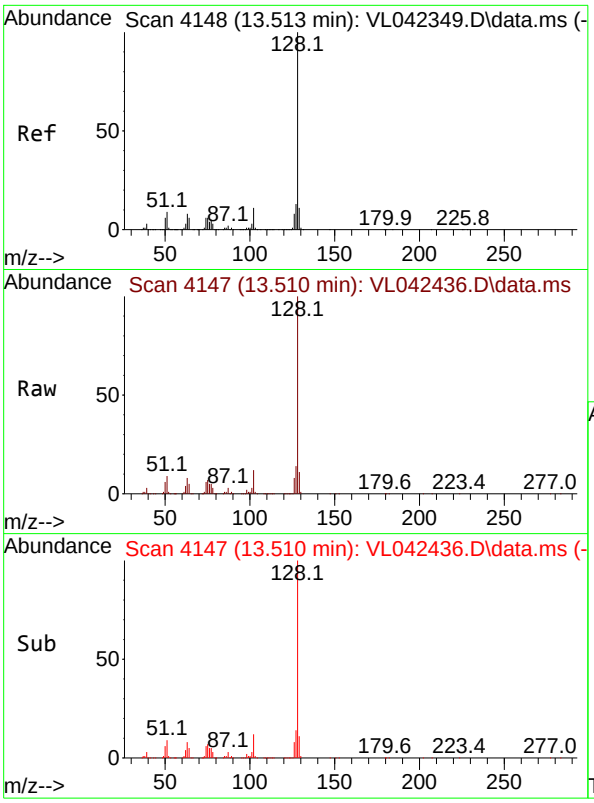


#78
Hexachloro-1,3-Butadiene
Concen: 9.437 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:225 Resp: 263477

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	63.6	51.5	77.3



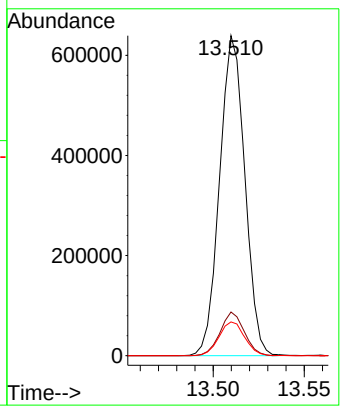


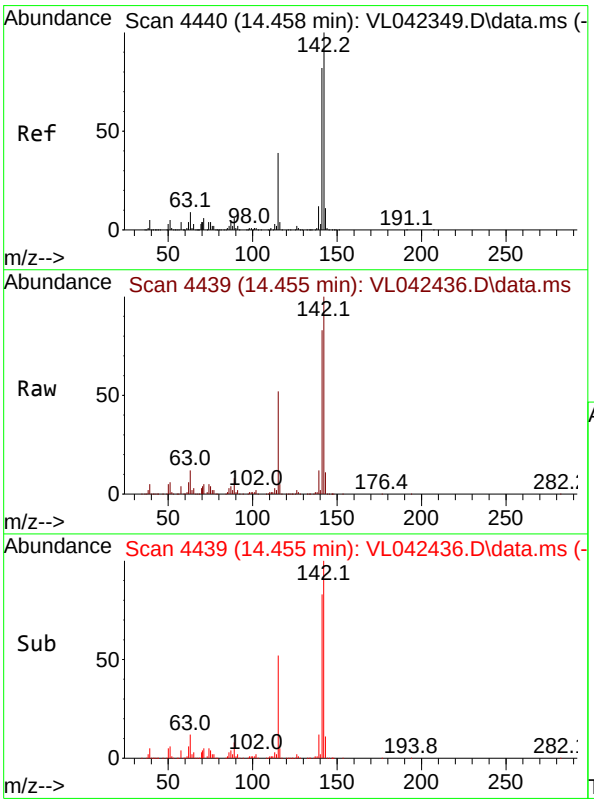
#79
Naphthalene
Concen: 9.408 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 615408

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	10.5	8.6	12.8

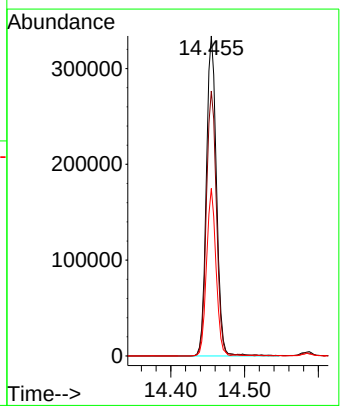


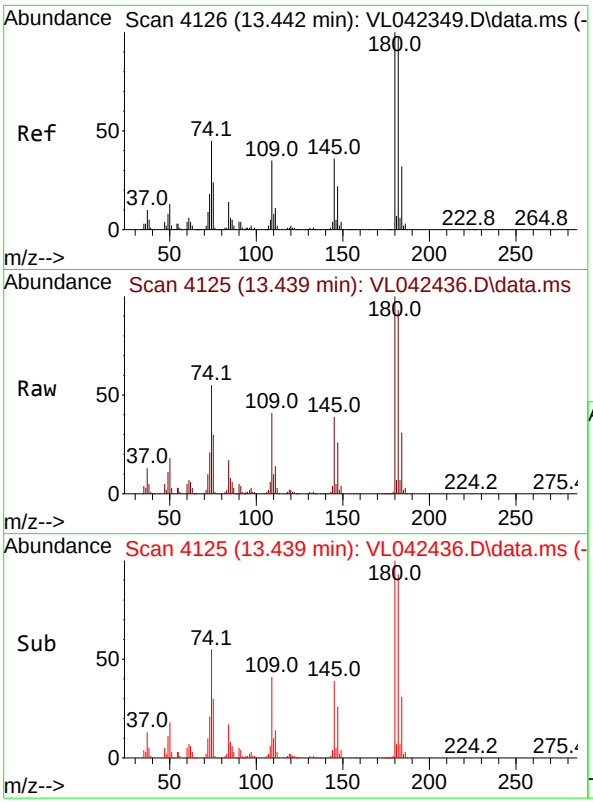


#80
Naphthalene,2-methyl-
Concen: 8.497 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Tgt Ion:142 Resp: 316788

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.8	100.2
115	49.6	33.4	50.2



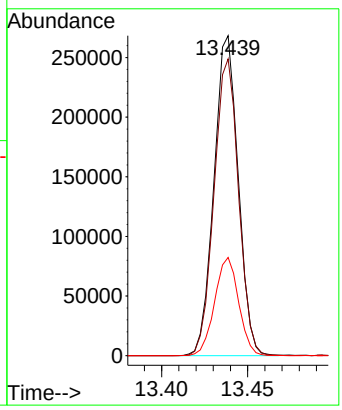


#81
1,2,4-Trichlorobenzene
Concen: 9.363 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042436.D
Acq: 29 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 263006

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
184	30.4	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042438.D
Acq On : 29 Apr 2025 10:08
Operator : SY/MD
Sample : VL0429ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	116772	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	317590	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	272312	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	253021	11.307	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 113.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	238539	11.562	ppbv		96
3) Chlorodifluoromethane	1.476	51	192670	9.807	ppbv		92
4) Chloromethane	1.534	50	89832	11.003	ppbv		94
5) Vinyl Chloride	1.580	62	85334	9.601	ppbv		99
6) Bromomethane	1.667	94	40758	10.676	ppbv		94
7) Chloroethane	1.706	64	33756	10.502	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	198106	11.184	ppbv		95
9) Propene	1.486	41	70111	7.836	ppbv		97
10) Heptane	4.981	43	190583	7.582	ppbv		99
11) Trichlorofluoromethane	1.877	101	225308	11.484	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.140	101	174111	10.854	ppbv		97
13) Ethanol	1.722	45	4137	2.909	ppbv		90
14) Bromoethene	1.783	108	64544	10.674	ppbv	#	98
15) Acetone	1.835	43	189432	9.910	ppbv		98
16) 1,3-Butadiene	1.609	39	90473	9.895	ppbv		93
17) tert-Butyl alcohol	2.042	59	230217	9.718	ppbv		99
18) 1,1-Dichloroethene	2.036	96	76749	10.241	ppbv		96
19) Isopropyl Alcohol	1.887	45	103692	9.765	ppbv	#	36
20) Methylene Chloride	2.062	84	67298	8.989	ppbv		91
21) Allyl Chloride	2.097	41	130014	9.851	ppbv		95
22) trans-1,2-Dichloroethene	2.340	96	84797	9.938	ppbv		90
23) Vinyl Acetate	2.463	43	61036	7.888	ppbv	#	95
24) 1,1-Dichloroethane	2.408	63	177233	10.934	ppbv		98
25) Ethyl Acetate	2.839	43	416465	8.836	ppbv		99
26) Hexane	2.826	57	157544	8.260	ppbv		97
27) Carbon Disulfide	2.149	76	211824	10.372	ppbv		99
28) Methyl tert-Butyl Ether	2.441	73	116769	9.344	ppbv		94
29) Chloroform	2.852	83	286397	10.623	ppbv		96
30) Cyclohexane	3.858	84	132615	8.601	ppbv		95
31) cis-1,2-Dichloroethene	2.722	61	174328	9.613	ppbv		99
32) 1,1,1-Trichloroethane	3.369	97	312429	10.294	ppbv		99
34) 2-Butanone	2.560	43	233037	9.278	ppbv		98
35) Carbon Tetrachloride	3.764	117	317207	11.036	ppbv		93
36) Benzene	3.658	78	317350	9.264	ppbv		96
37) 1,2-Dichloroethane	3.221	62	247446	12.035	ppbv	#	96
38) Trichloroethene	4.551	130	127601	8.523	ppbv		91
39) 1,2-Dichloropropane	4.318	63	115449	9.044	ppbv		92
40) 1,4-Dioxane	4.586	88	52820	7.529	ppbv	#	92
41) Tetrahydrofuran	3.055	42	124059	8.471	ppbv		98
42) Bromodichloromethane	4.493	83	317253	11.088	ppbv		99
43) Methyl Methacrylate	4.887	69	61150	3.961	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.641	57	531439	8.983	ppbv		95
45) t-1,3-Dichloropropene	6.418	75	140981	8.940	ppbv		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042438.D
Acq On : 29 Apr 2025 10:08
Operator : SY/MD
Sample : VL0429ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	170063	8.811	ppbv	#	84
47) 1,1,2-Trichloroethane	6.583	97	128662	9.893	ppbv		95
48) Dibromochloromethane	7.389	129	233350	10.156	ppbv		100
49) Bromoform	9.487	173	189484	9.431	ppbv		99
50) 4-Methyl-2-Pentanone	5.755	43	327508	7.846	ppbv		98
51) 2-Hexanone	7.438	43	262697	7.018	ppbv	#	95
52) Tetrachloroethene	8.228	164	106031	8.008	ppbv		90
53) Toluene	6.936	91	363707	8.848	ppbv		99
54) 1,2-Dibromoethane	7.658	107	178709	9.601	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.930	131	180979	10.981	ppbv		96
57) Chlorobenzene	8.924	112	290861	10.270	ppbv		99
58) Ethyl Benzene	9.357	91	545497	10.111	ppbv		98
59) m/p-Xylene	9.555	91	424567	9.768	ppbv	#	31
60) o-Xylene	9.966	91	465645	10.639	ppbv		94
61) Styrene	9.872	104	191741	9.178	ppbv		97
62) Isopropylbenzene	10.542	105	667839	10.393	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.966	83	278491	9.819	ppbv		99
64) n-propylbenzene	10.992	120	161309	9.987	ppbv		91
65) tert-Butylbenzene	11.535	119	605972	10.260	ppbv		98
66) Benzyl Chloride	11.620	91	46913	7.229	ppbv		99
67) sec-Butylbenzene	11.772	105	868275	10.569	ppbv		98
69) p-Isopropyltoluene	11.927	119	733796	10.282	ppbv		96
70) n-Butylbenzene	12.283	91	796622	10.717	ppbv		98
71) 2-Chlorotoluene	10.904	91	534951	10.614	ppbv		96
72) 4-Ethyltoluene	11.128	105	553879	10.351	ppbv		97
73) 1,3,5-Trimethylbenzene	11.205	105	491459	10.403	ppbv		95
74) 1,2,4-Trimethylbenzene	11.539	105	548408	9.939	ppbv	#	86
75) 1,3-Dichlorobenzene	11.610	146	284809	9.931	ppbv		97
76) 1,4-Dichlorobenzene	11.675	146	285571	9.907	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	282424	10.128	ppbv		96
78) Hexachloro-1,3-Butadiene	13.885	225	280954	9.977	ppbv		98
79) Naphthalene	13.516	128	621879	9.425	ppbv		100
80) Naphthalene,2-methyl-	14.458	142	312733	8.317	ppbv		95
81) 1,2,4-Trichlorobenzene	13.442	180	269082	9.498	ppbv		99

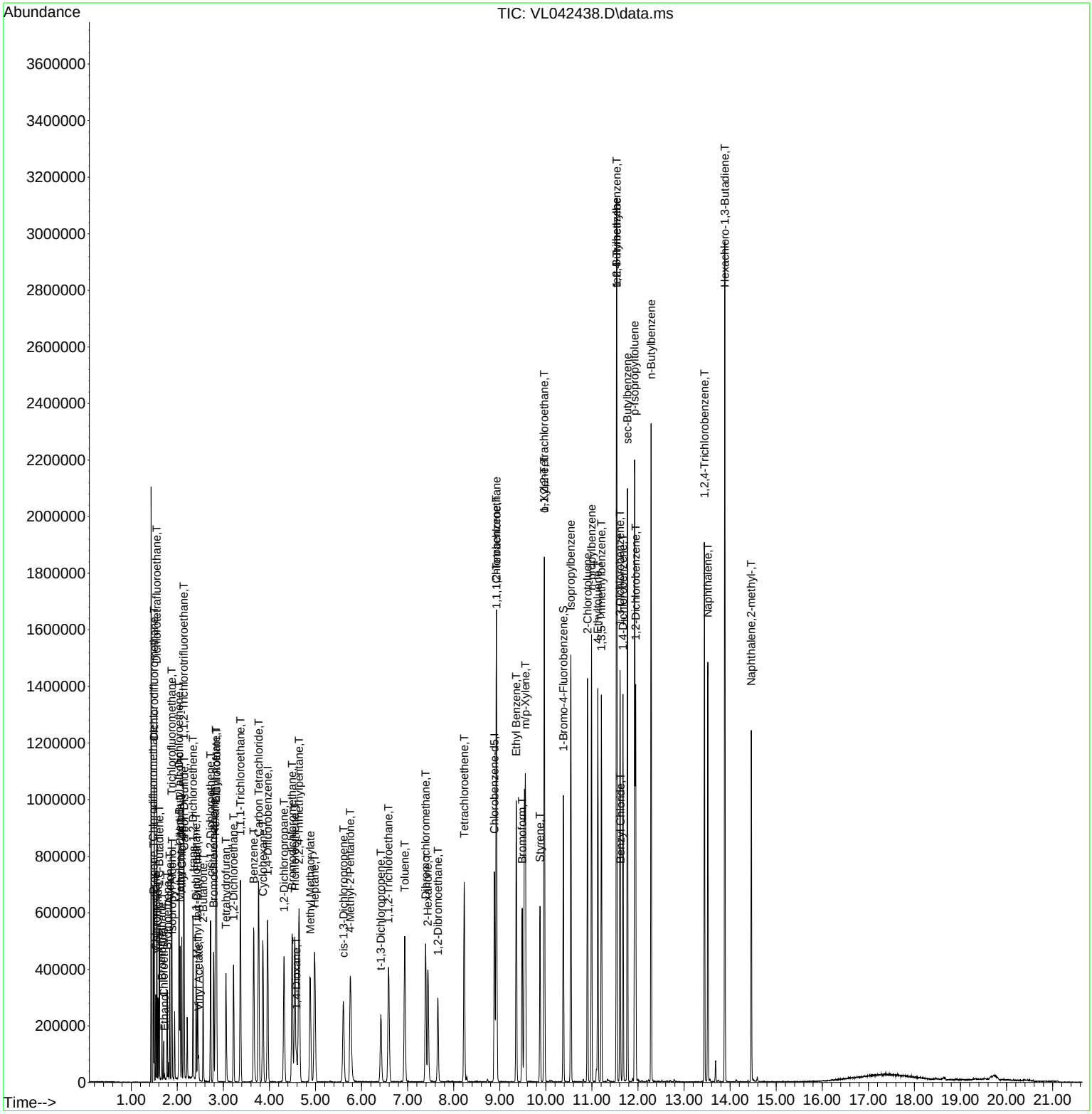
(#) = qualifier out of range (m) = manual integration (+) = signals summed

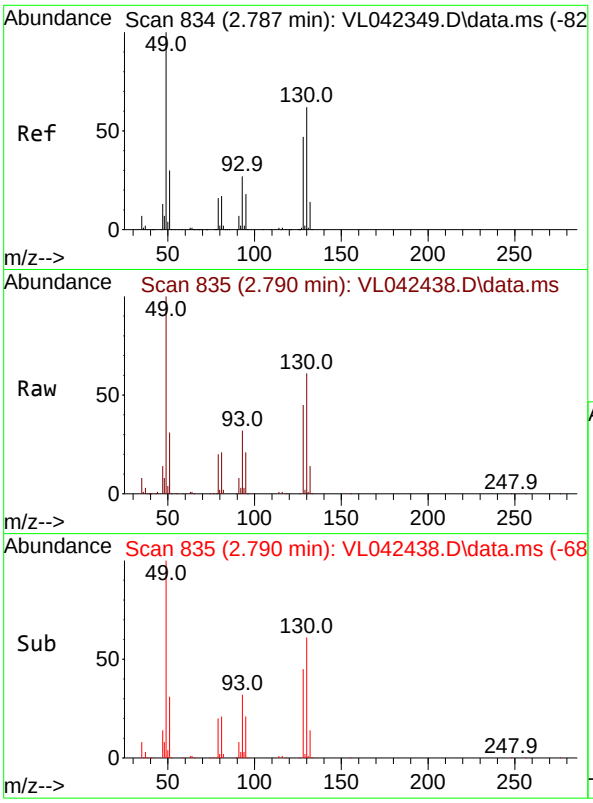
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042438.D
Acq On : 29 Apr 2025 10:08
Operator : SY/MD
Sample : VL0429ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



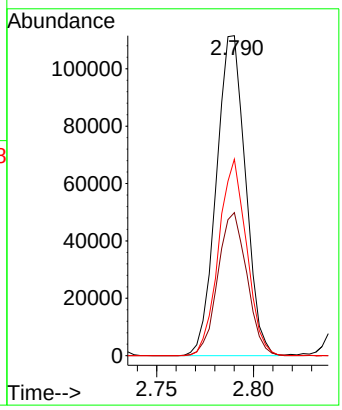


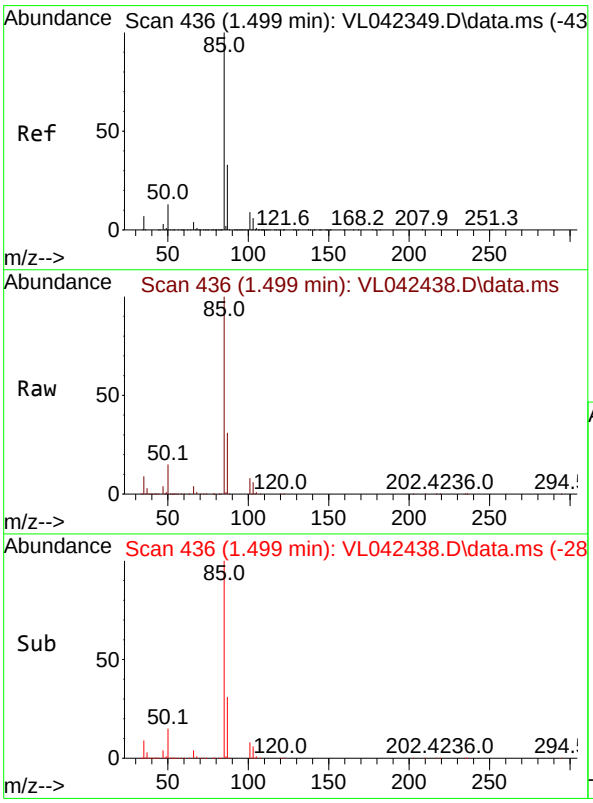
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 49 Resp: 116772

Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.8	68.4
130	58.8	29.3	88.0

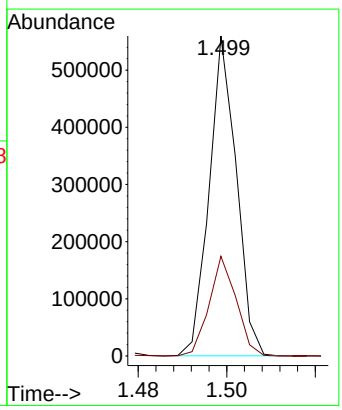


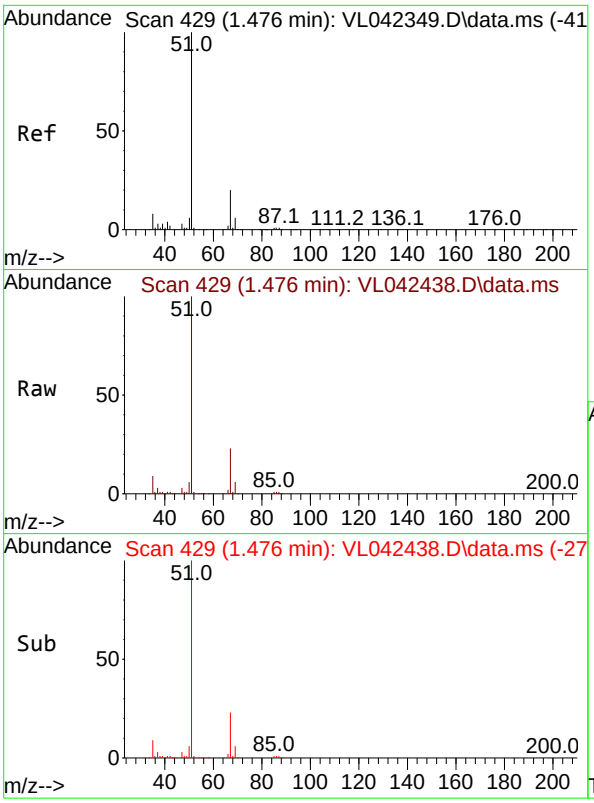


#2
Dichlorodifluoromethane
Concen: 11.562 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 85 Resp: 238539

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.6	39.8



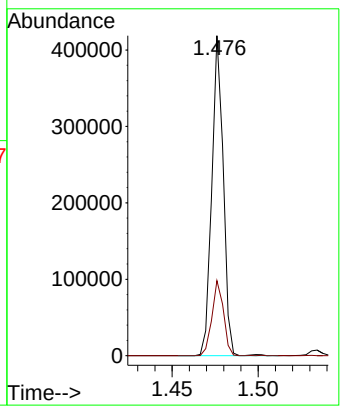


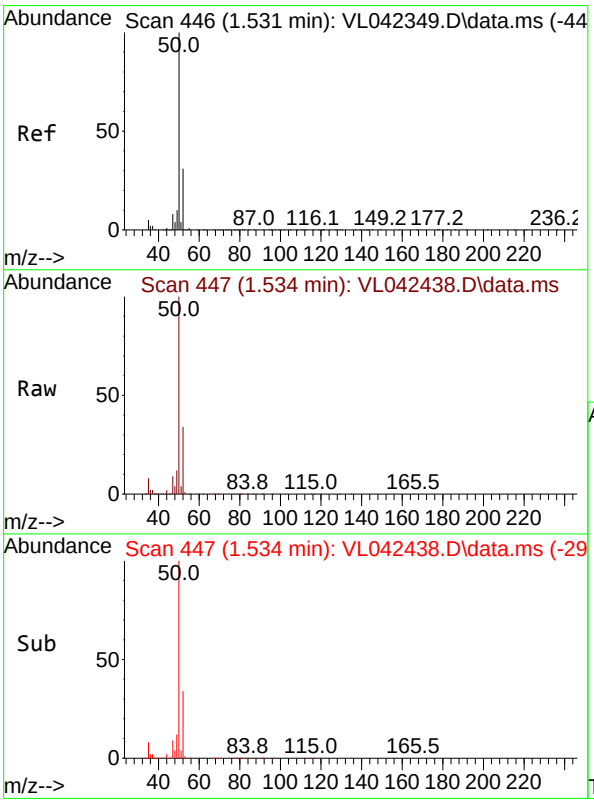
#3
Chlorodifluoromethane
Concen: 9.807 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 51 Resp: 192670

Ion	Ratio	Lower	Upper
51	100		
67	23.8	16.2	24.4

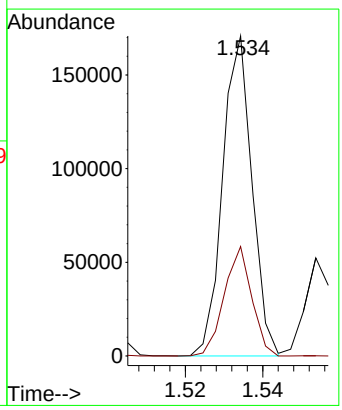


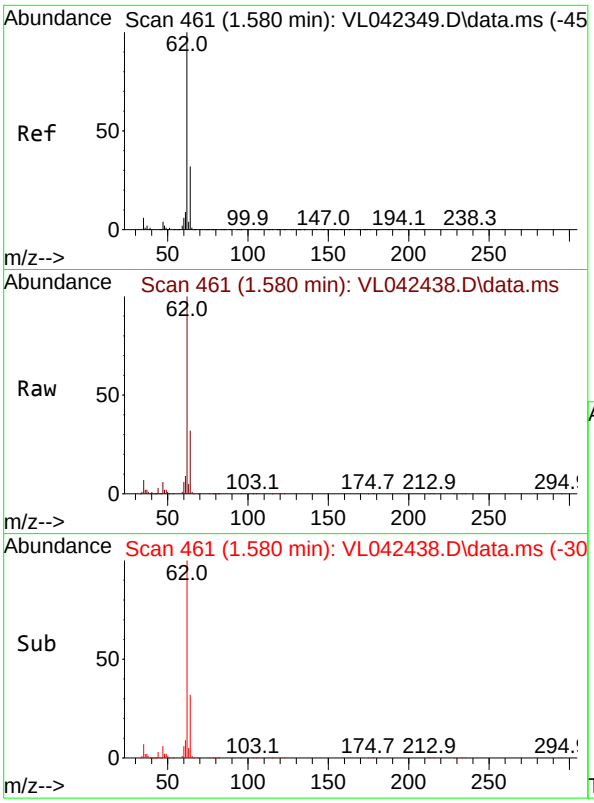


#4
Chloromethane
Concen: 11.003 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 50 Resp: 89832

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.7	37.1



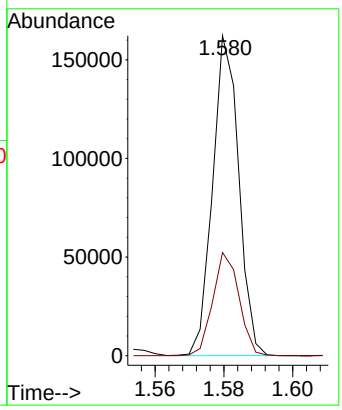


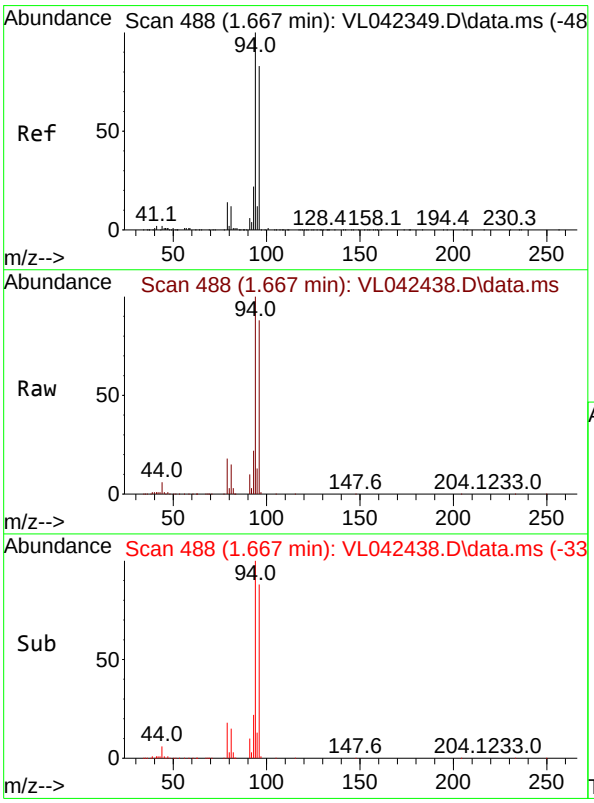
#5
Vinyl Chloride
Concen: 9.601 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 62 Resp: 85334

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.4	38.0

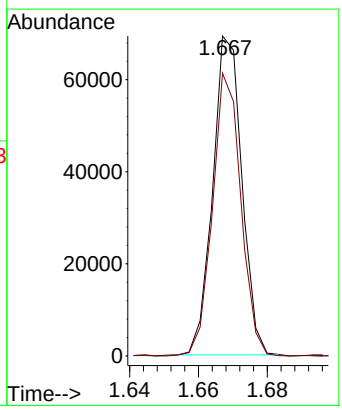


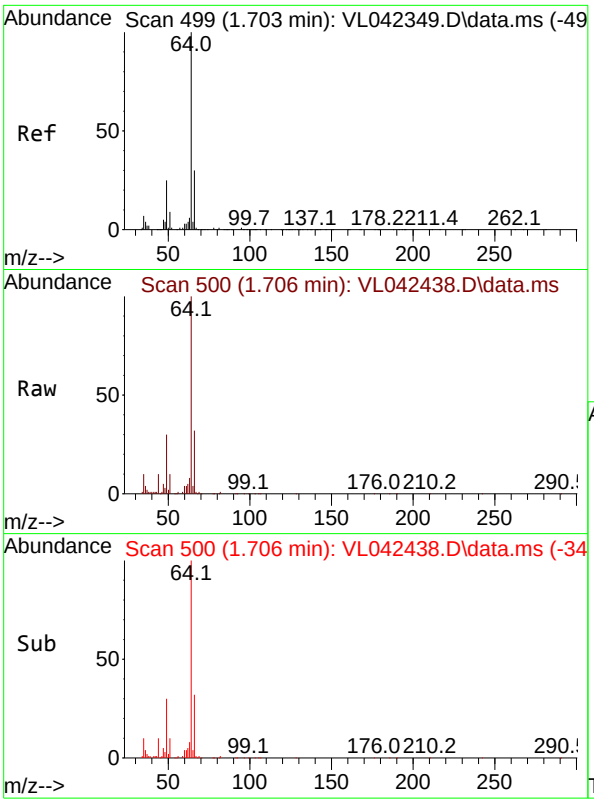


#6
Bromomethane
Concen: 10.676 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 94 Resp: 40758

Ion	Ratio	Lower	Upper
94	100		
96	88.5	66.2	99.2



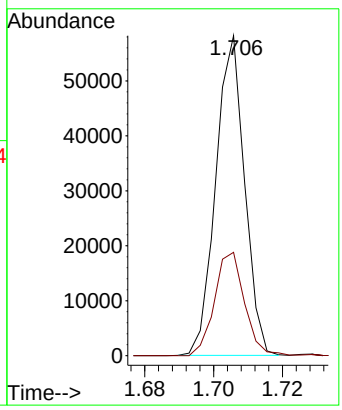


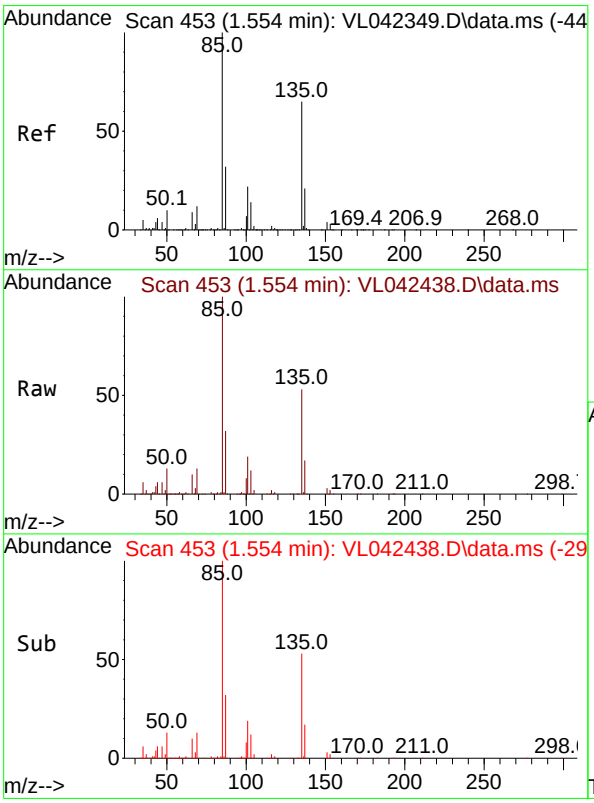
#7
Chloroethane
Concen: 10.502 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 64 Resp: 33756

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.6	37.0

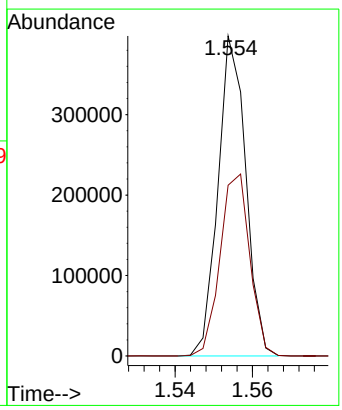


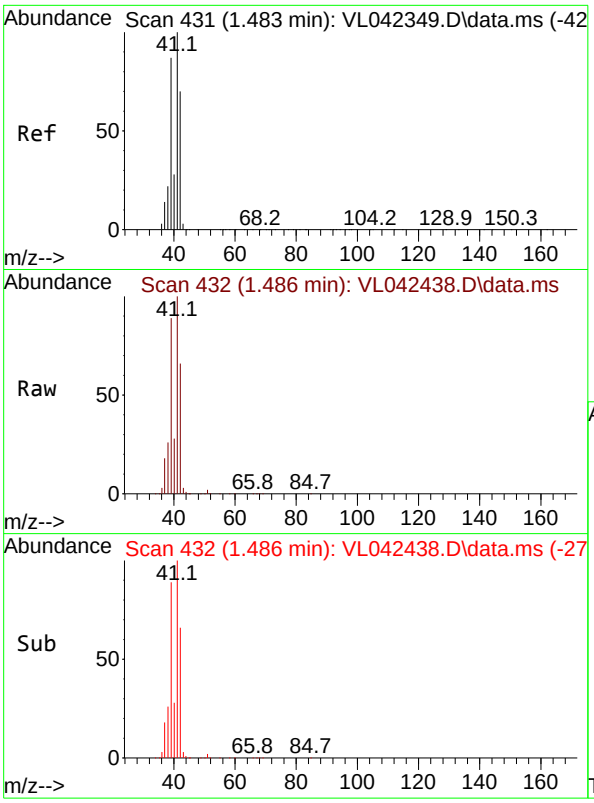


#8
Dichlorotetrafluoroethane
Concen: 11.184 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 85 Resp: 198106

Ion	Ratio	Lower	Upper
85	100		
135	61.2	52.2	78.2



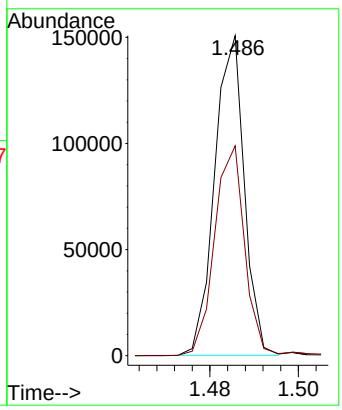


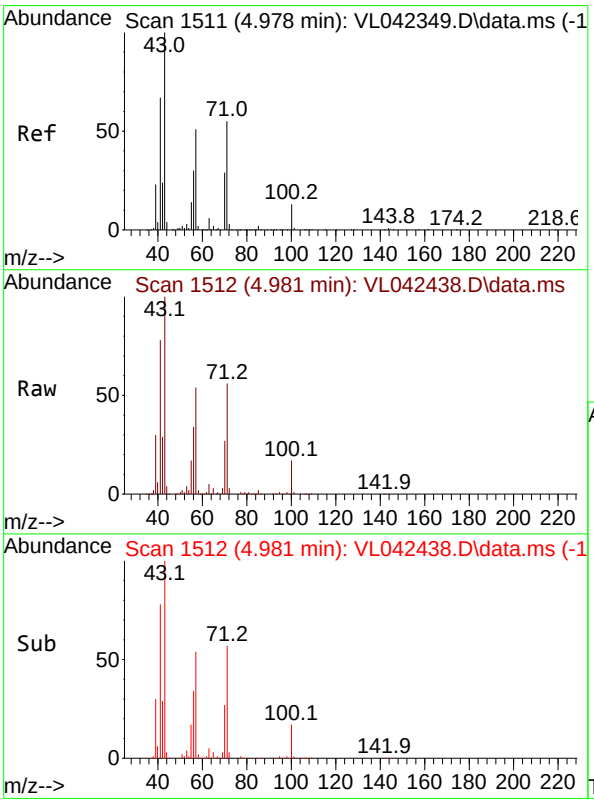
#9
Propene
Concen: 7.836 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 41 Resp: 70111

Ion	Ratio	Lower	Upper
41	100		
42	67.7	56.2	84.4

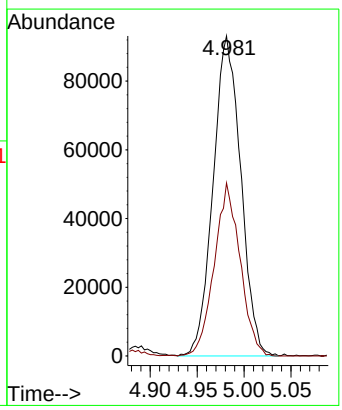


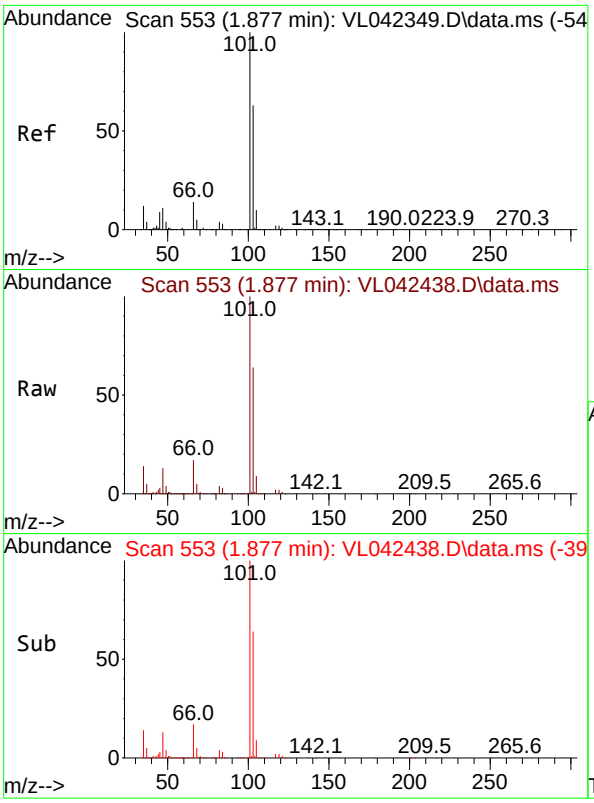


#10
Heptane
Concen: 7.582 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 190583

Ion	Ratio	Lower	Upper
43	100		
57	50.6	39.9	59.9



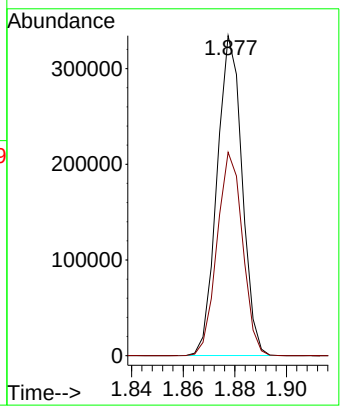


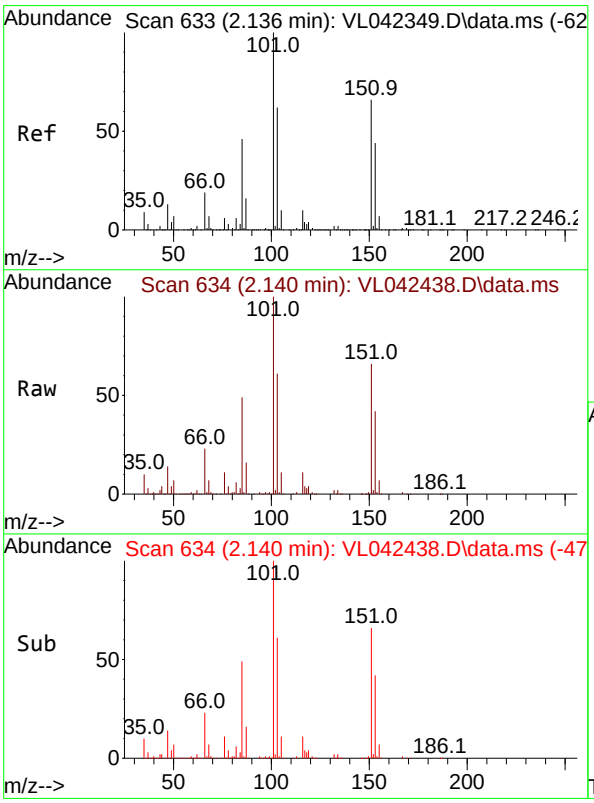
#11
Trichlorofluoromethane
Concen: 11.484 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:101 Resp: 225308

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.1	75.1

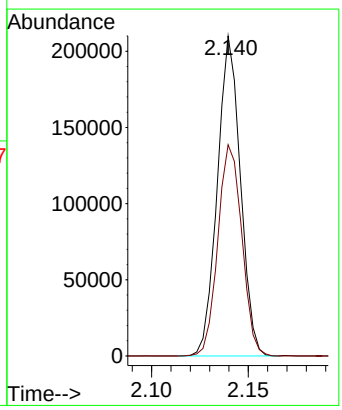


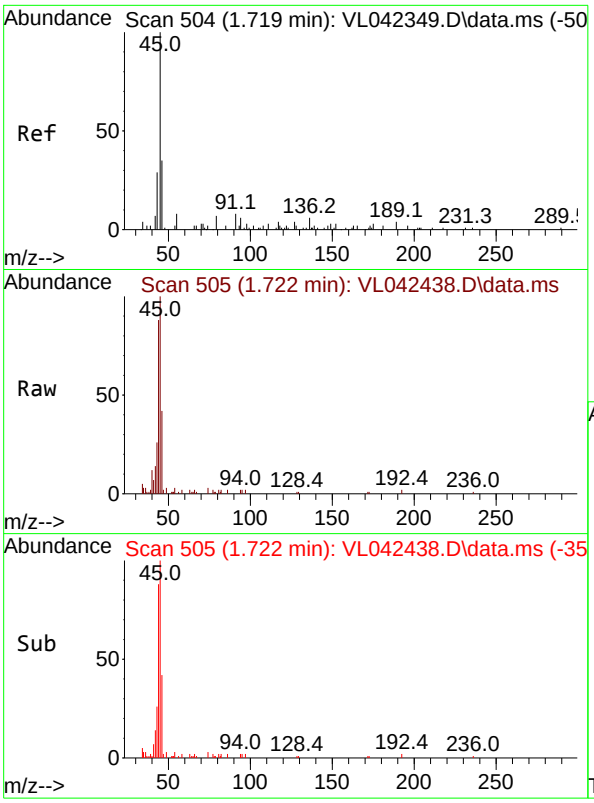


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.854 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:101 Resp: 174111

Ion	Ratio	Lower	Upper
101	100		
151	68.5	57.0	85.6



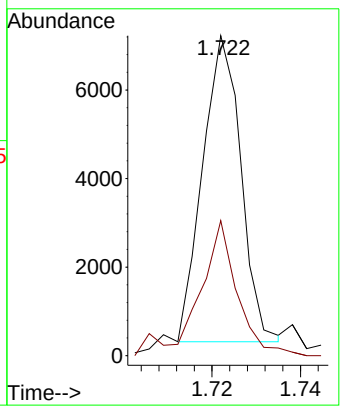


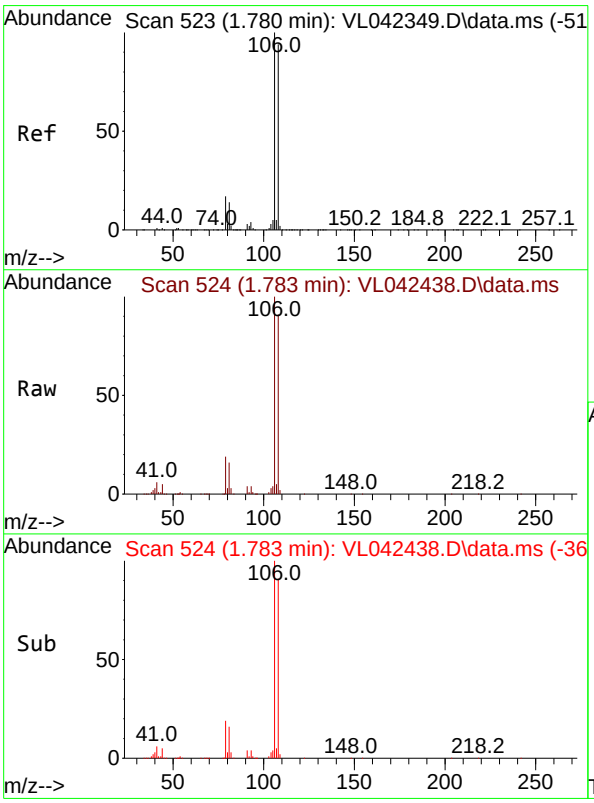
#13
Ethanol
Concen: 2.909 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 45 Resp: 4137

Ion	Ratio	Lower	Upper
45	100		
46	47.5	21.9	87.7

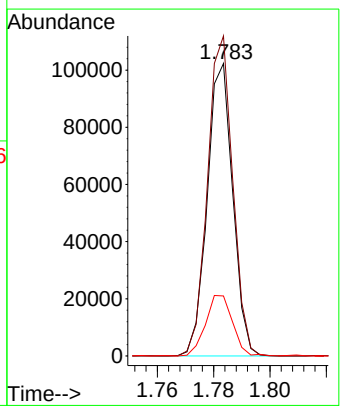


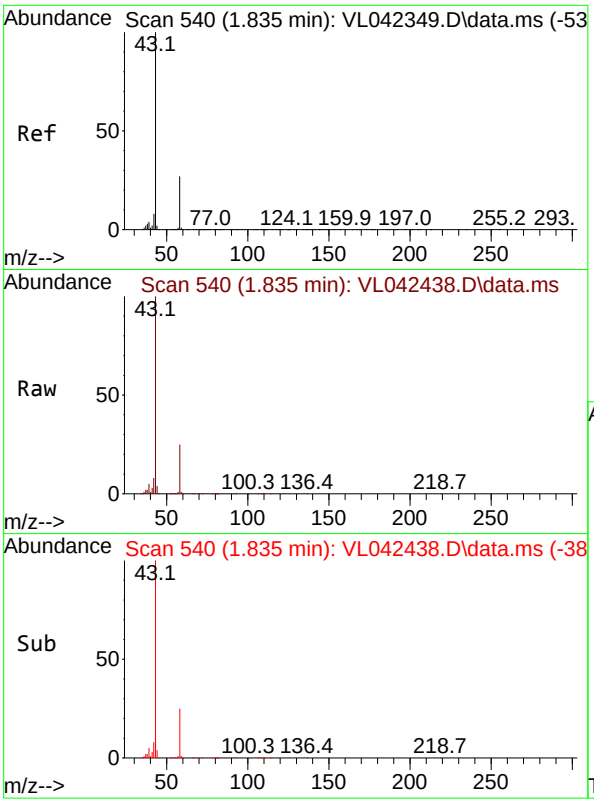


#14
Bromoethene
Concen: 10.674 ppbv
RT: 1.783 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:108 Resp: 64544

Ion	Ratio	Lower	Upper
108	100		
106	108.0	85.9	128.9
79	22.1	13.9	20.9#



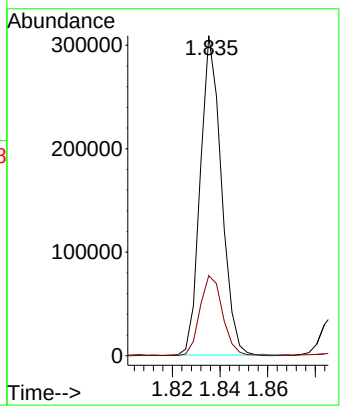


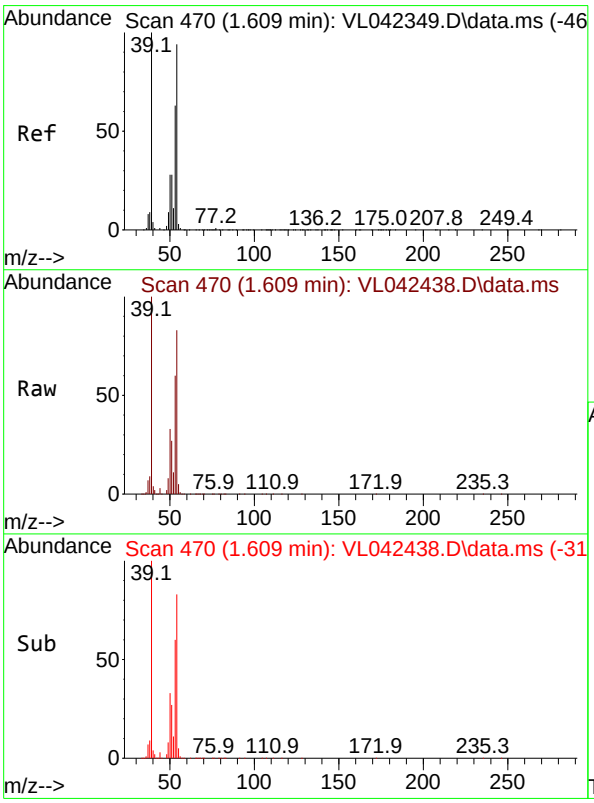
#15
Acetone
Concen: 9.910 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 43 Resp: 189432

Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.4	33.6

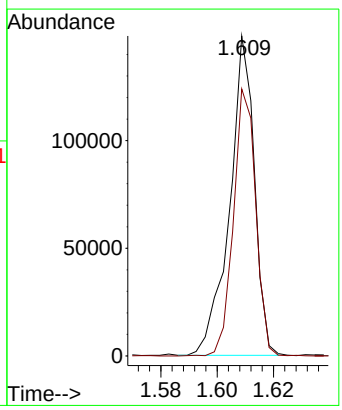


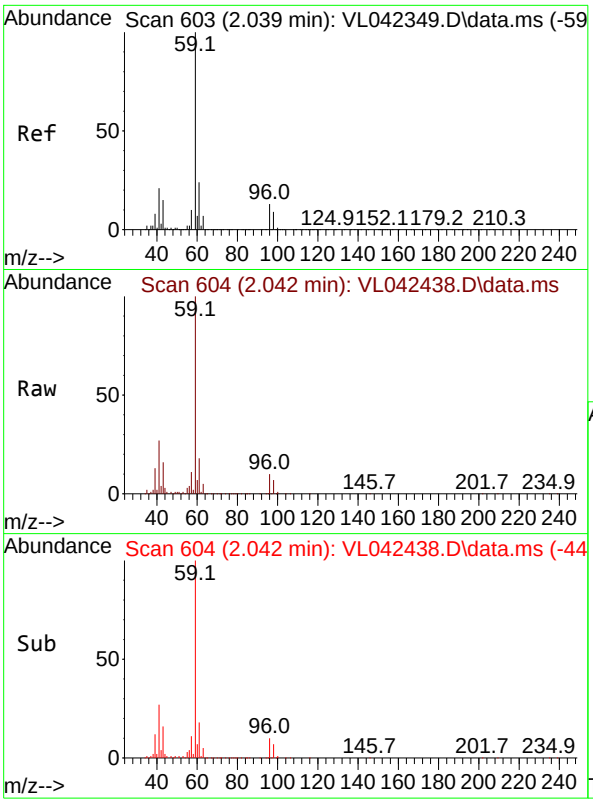


#16
1,3-Butadiene
Concen: 9.895 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 39 Resp: 90473

Ion	Ratio	Lower	Upper
39	100		
54	75.1	64.9	97.3



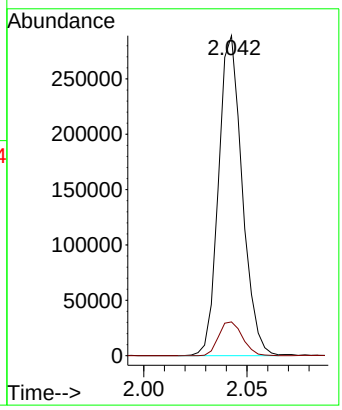


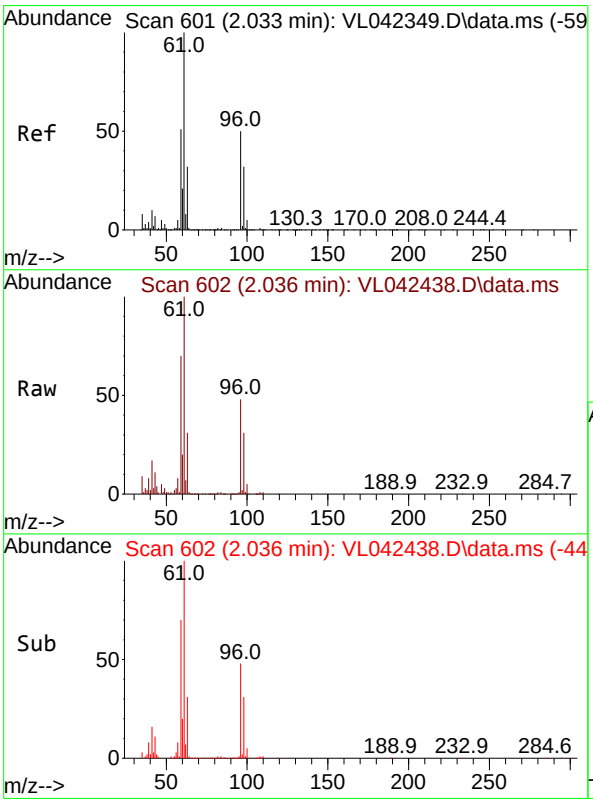
#17
tert-Butyl alcohol
Concen: 9.718 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 59 Resp: 230217

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.7	13.1

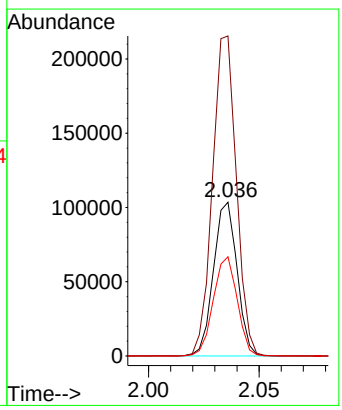


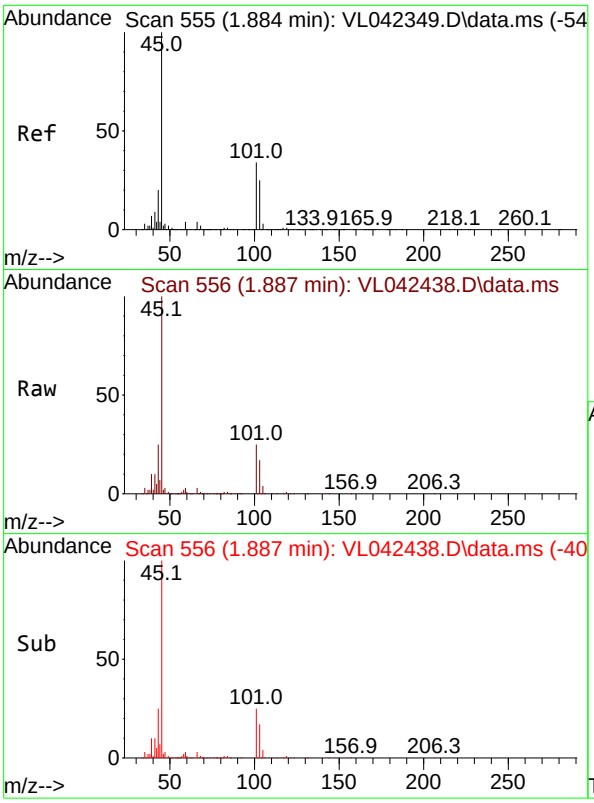


#18
1,1-Dichloroethene
Concen: 10.241 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 96 Resp: 76749

Ion	Ratio	Lower	Upper
96	100		
61	208.1	160.2	240.2
98	64.5	51.0	76.4



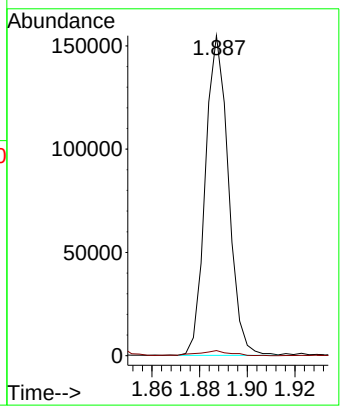


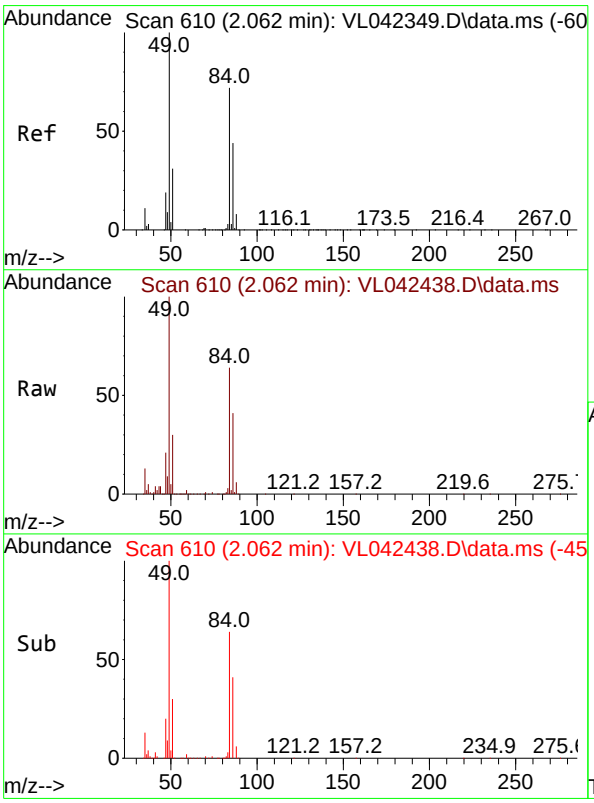
#19
Isopropyl Alcohol
Concen: 9.765 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 45 Resp: 103692

Ion	Ratio	Lower	Upper
45	100		
58	2.2	34.5	51.7#

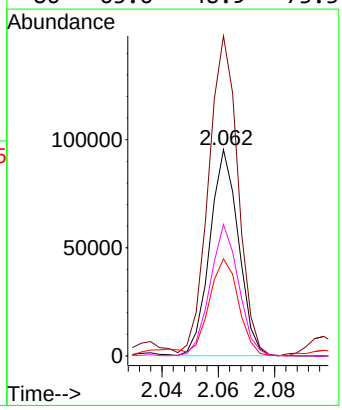


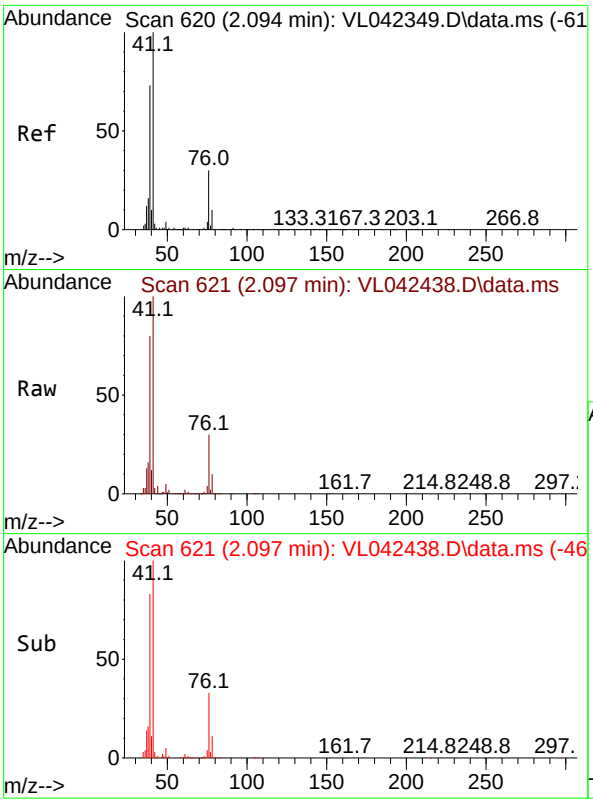


#20
Methylene Chloride
Concen: 8.989 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 84 Resp: 67298

Ion	Ratio	Lower	Upper
84	100		
49	155.2	111.6	167.4
51	47.0	35.1	52.7
86	63.6	48.9	73.3



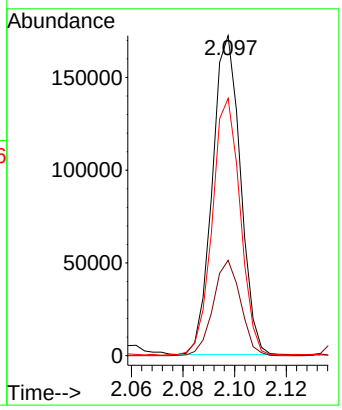


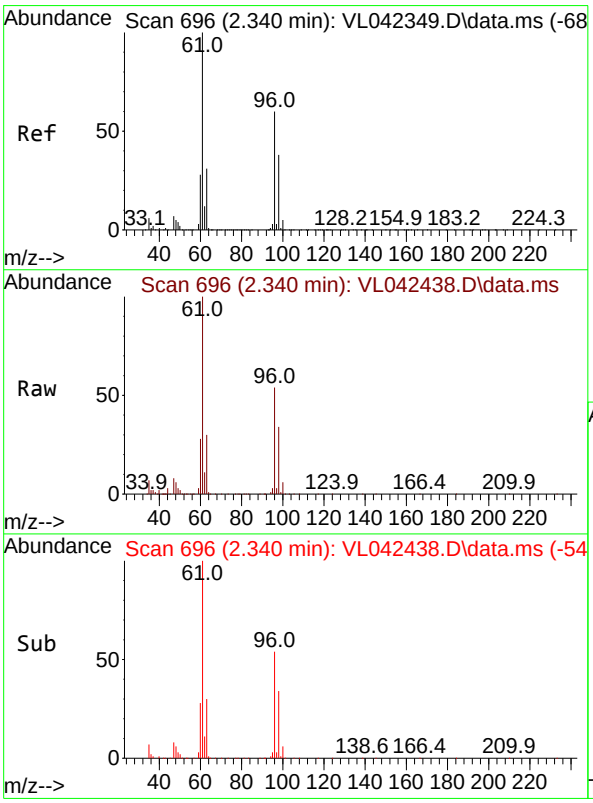
#21
Allyl Chloride
Concen: 9.851 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 41 Resp: 130014

Ion	Ratio	Lower	Upper
41	100		
76	29.2	24.8	37.2
39	80.1	60.6	90.8

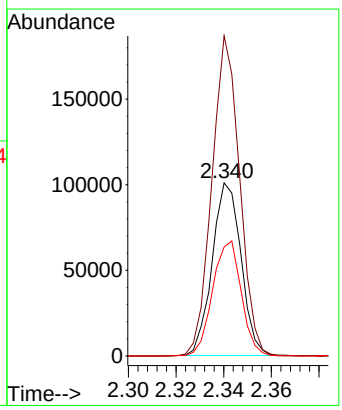


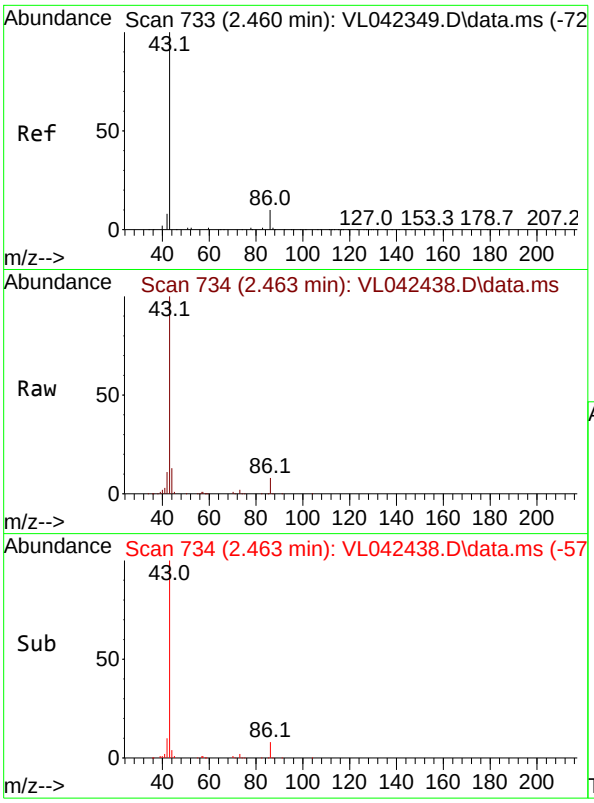


#22
trans-1,2-Dichloroethene
Concen: 9.938 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 96 Resp: 84797

Ion	Ratio	Lower	Upper
96	100		
61	185.1	133.7	200.5
98	63.1	50.3	75.5



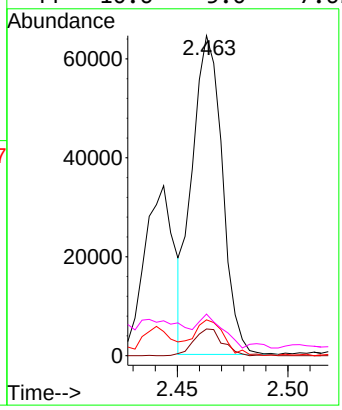


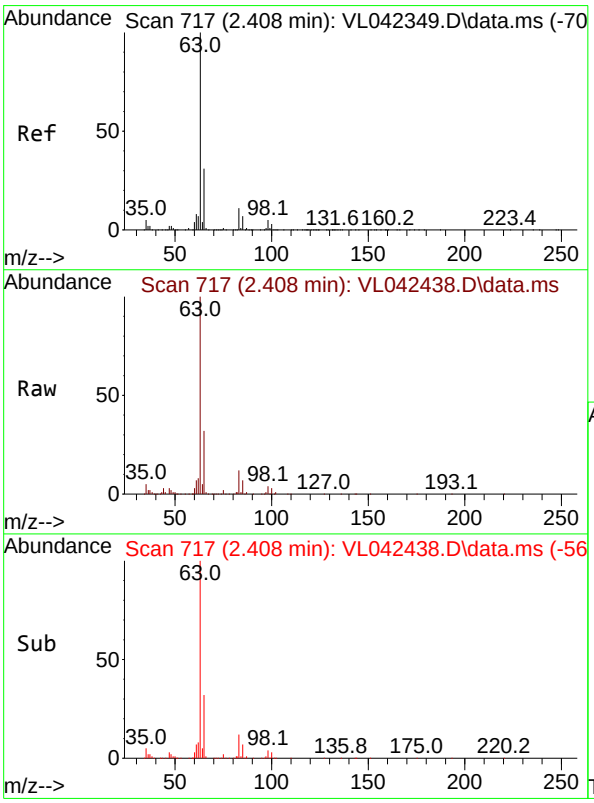
#23
Vinyl Acetate
Concen: 7.888 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 43 Resp: 61036

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.5	9.7
42	11.0	7.8	11.8
44	10.6	5.0	7.6#

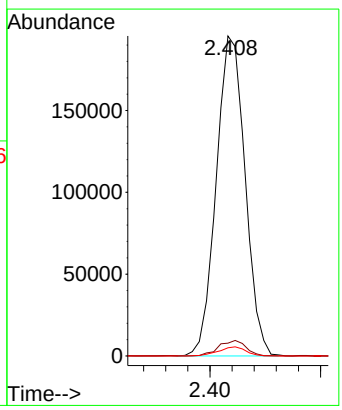


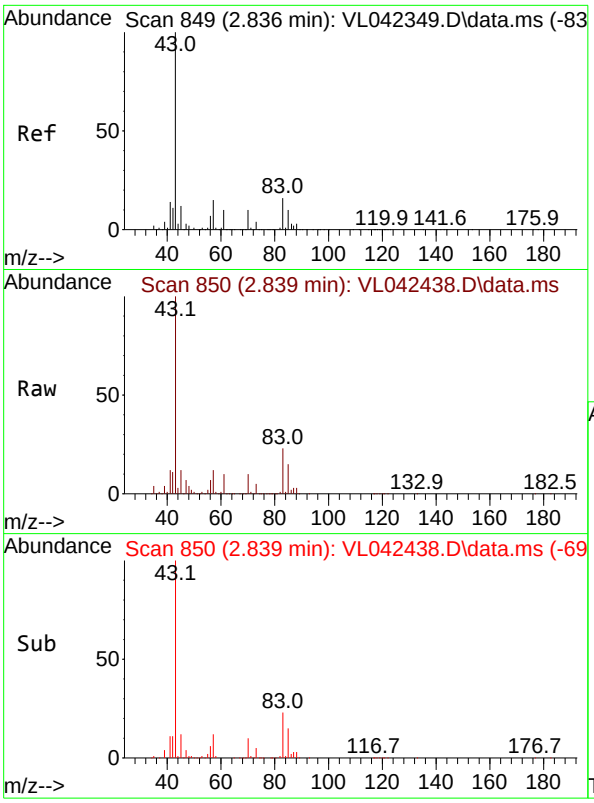


#24
1,1-Dichloroethane
Concen: 10.934 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 63 Resp: 177233

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.8
100	2.6	1.6	4.8



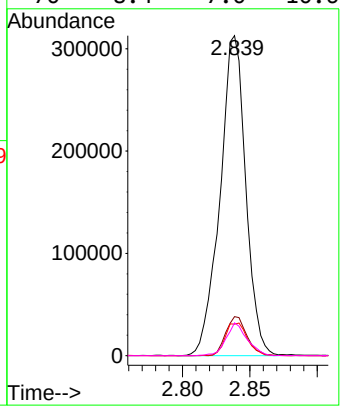


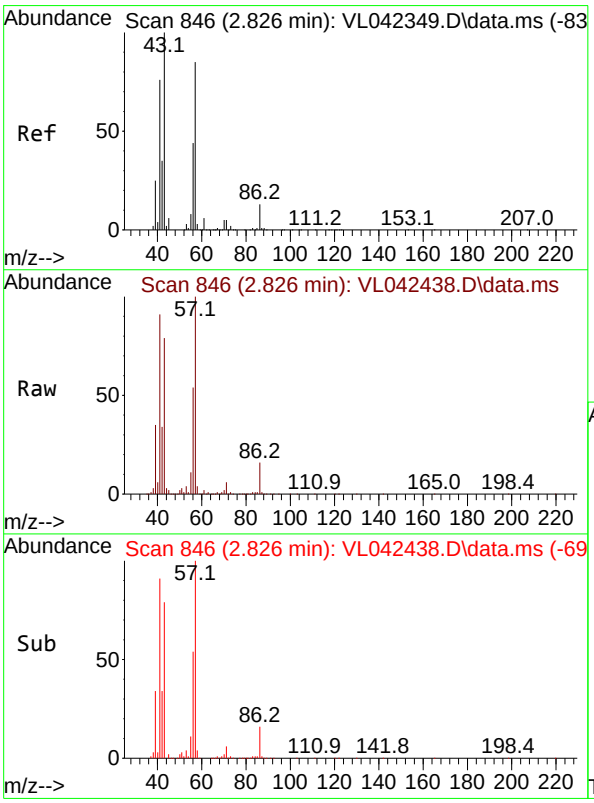
#25
Ethyl Acetate
Concen: 8.836 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 43 Resp: 416465

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.3	12.5
61	8.8	7.3	10.9
70	8.4	7.0	10.6

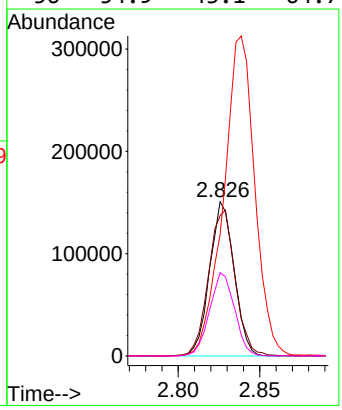


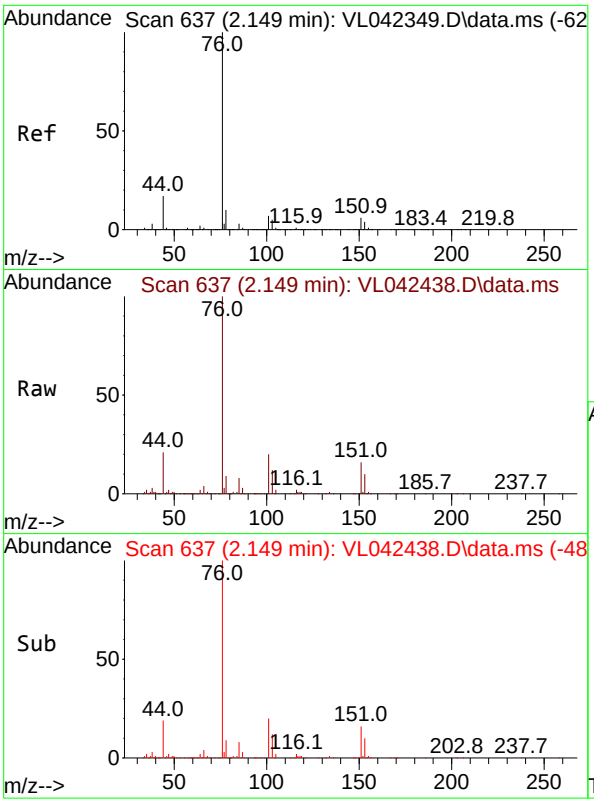


#26
Hexane
Concen: 8.260 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 57 Resp: 157544

Ion	Ratio	Lower	Upper
57	100		
41	103.2	77.9	116.9
43	265.6	208.4	312.6
56	54.9	43.1	64.7



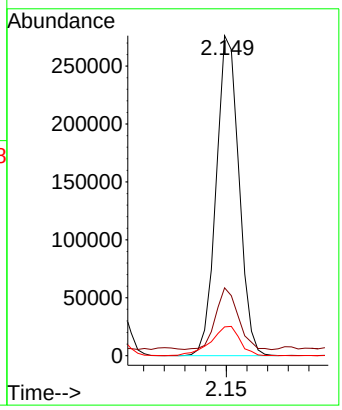


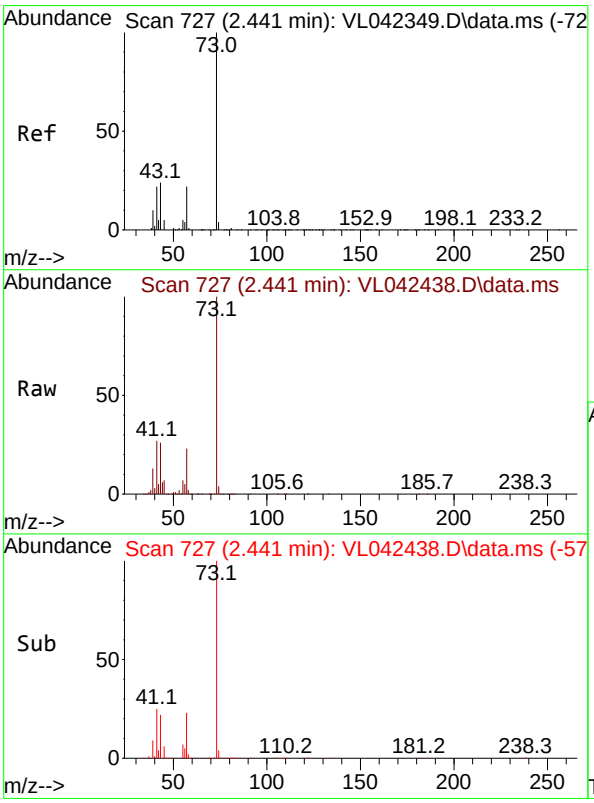
#27
Carbon Disulfide
Concen: 10.372 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 76 Resp: 211824

Ion	Ratio	Lower	Upper
76	100		
44	19.8	15.5	23.3
78	11.7	9.3	13.9

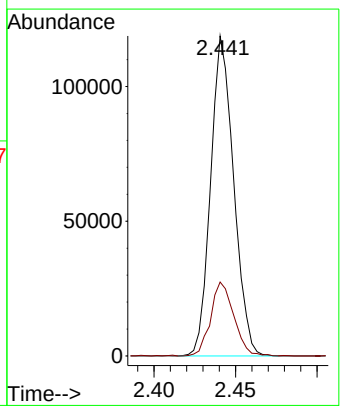


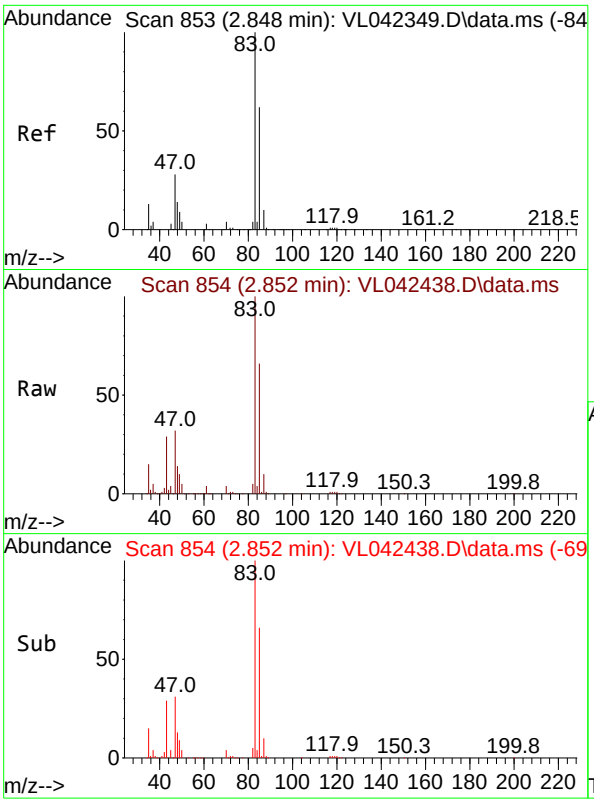


#28
Methyl tert-Butyl Ether
Concen: 9.344 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 73 Resp: 116769

Ion	Ratio	Lower	Upper
73	100		
57	23.4	21.3	31.9



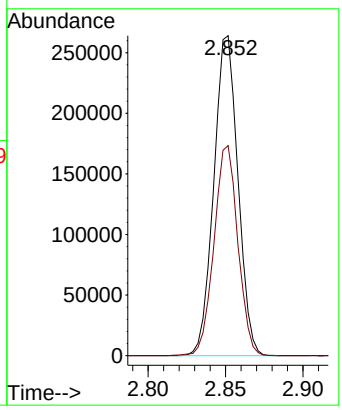


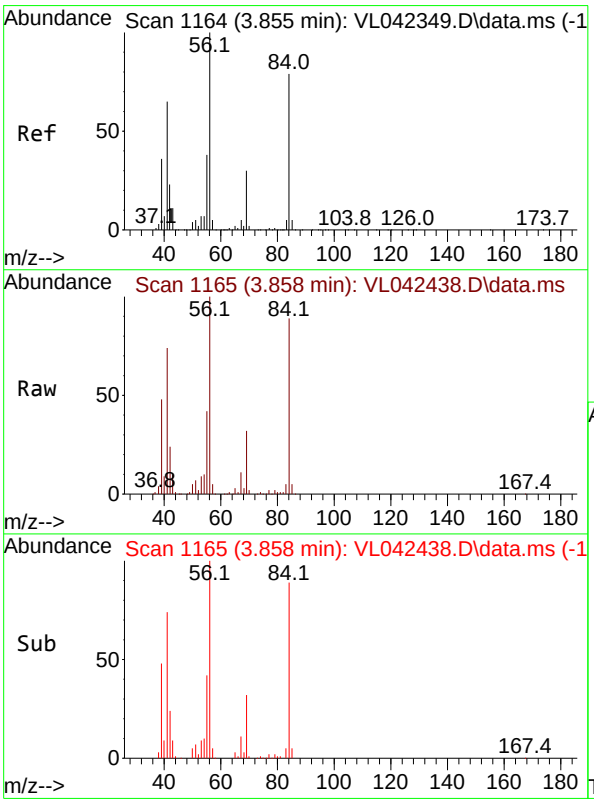
#29
Chloroform
Concen: 10.623 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 83 Resp: 286397

Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.0	75.0

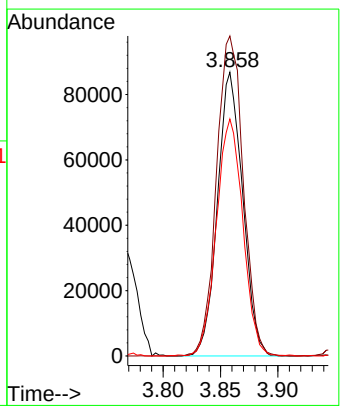


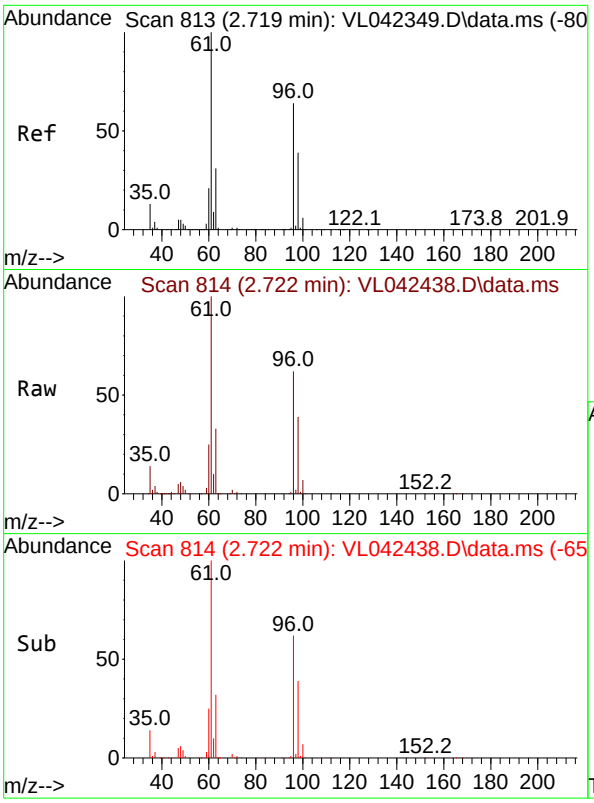


#30
Cyclohexane
Concen: 8.601 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 84 Resp: 132615

Ion	Ratio	Lower	Upper
84	100		
56	119.9	101.0	151.4
41	88.0	67.4	101.0



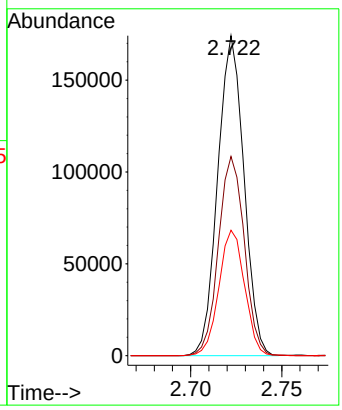


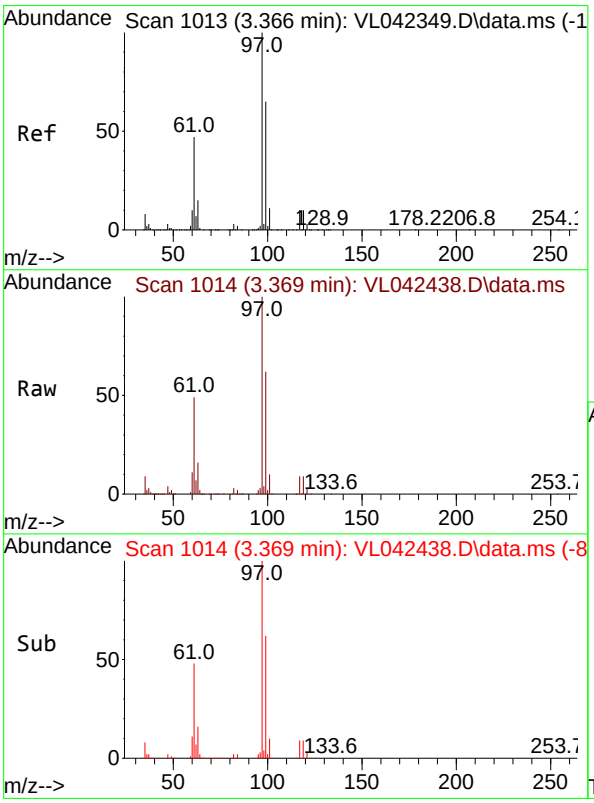
#31
cis-1,2-Dichloroethene
Concen: 9.613 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 61 Resp: 174328

Ion	Ratio	Lower	Upper
61	100		
96	62.3	50.8	76.2
98	39.2	30.9	46.3

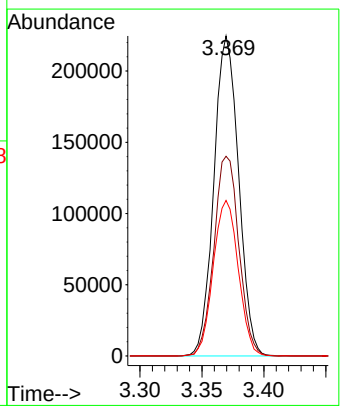


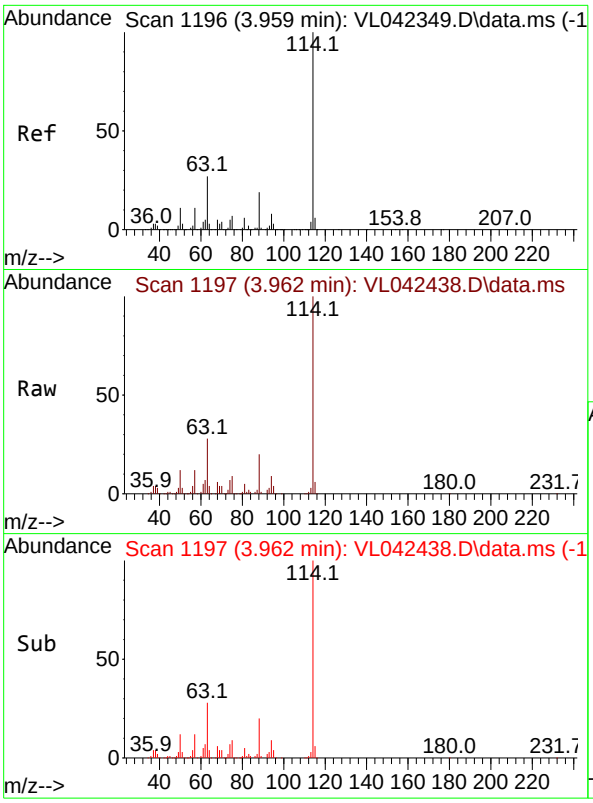


#32
1,1,1-Trichloroethane
Concen: 10.294 ppbv
RT: 3.369 min Scan# 1014
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 97 Resp: 312429

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	49.4	38.8	58.2



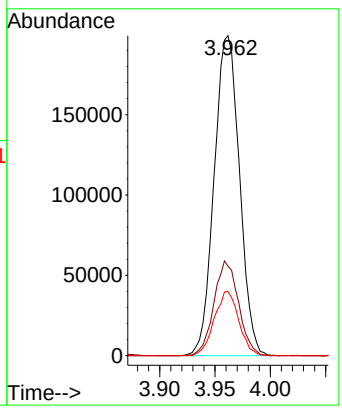


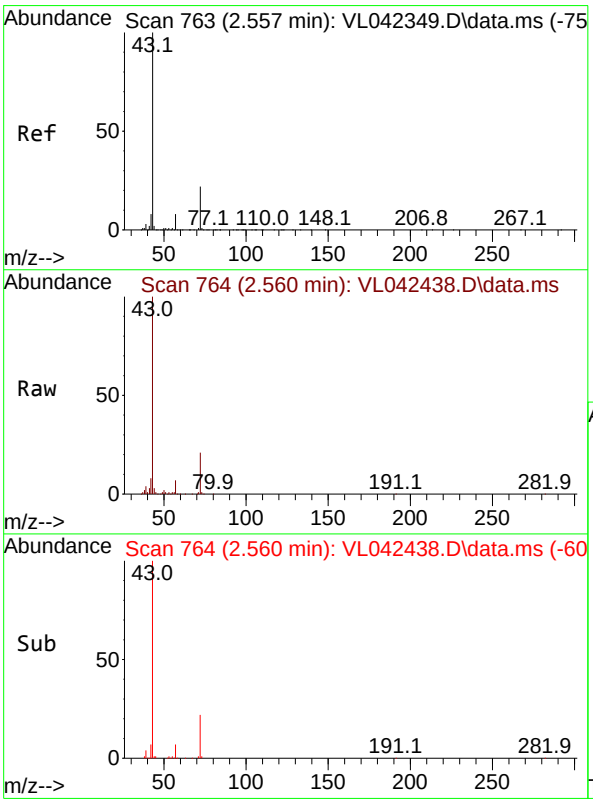
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:114 Resp: 317590

Ion	Ratio	Lower	Upper
114	100		
63	28.7	21.8	32.6
88	19.4	15.5	23.3

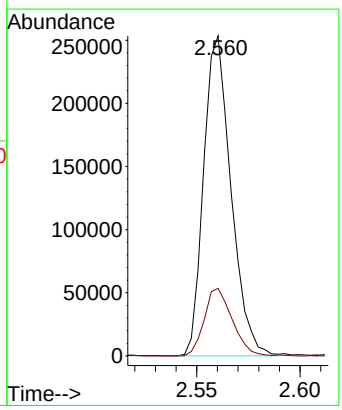


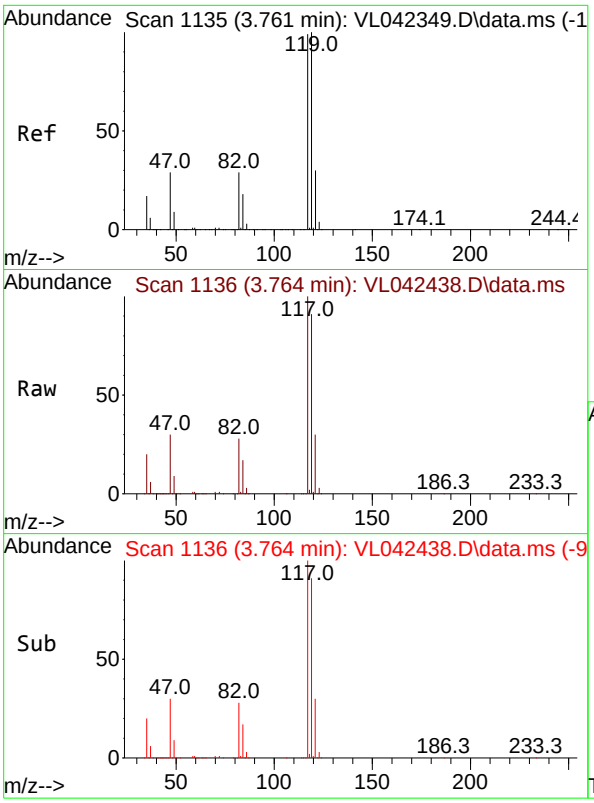


#34
2-Butanone
Concen: 9.278 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 233037

Ion	Ratio	Lower	Upper
43	100		
72	21.7	18.2	27.2



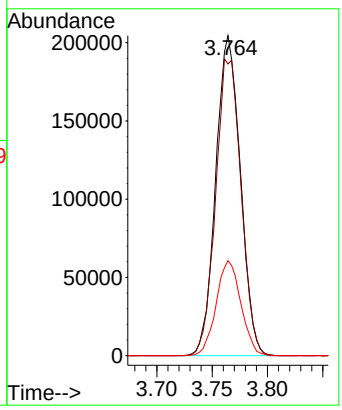


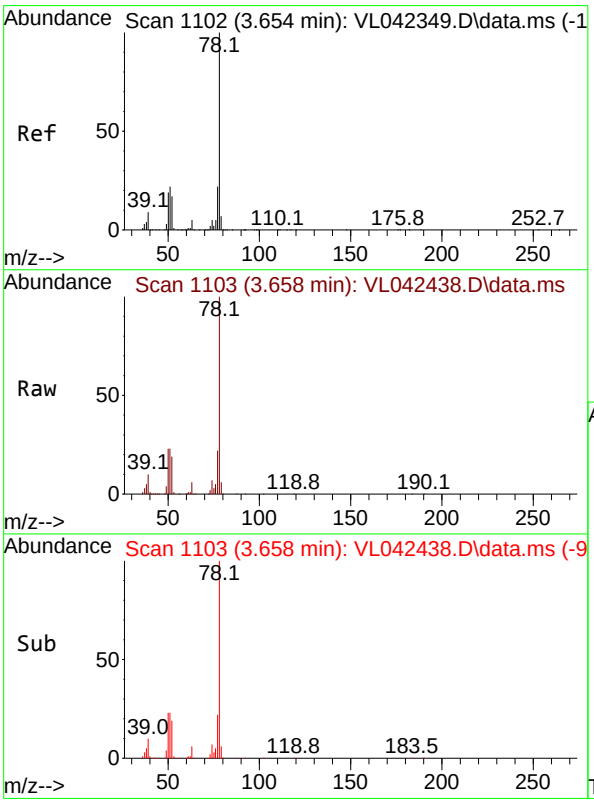
#35
Carbon Tetrachloride
Concen: 11.036 ppbv
RT: 3.764 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:117 Resp: 317207

Ion	Ratio	Lower	Upper
117	100		
119	91.1	80.5	120.7
121	29.7	24.2	36.2

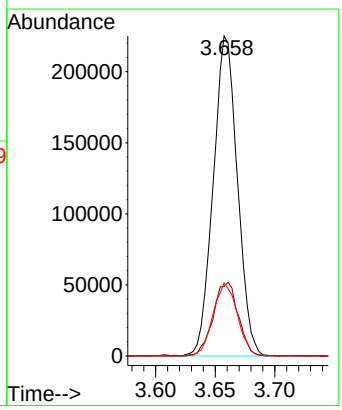


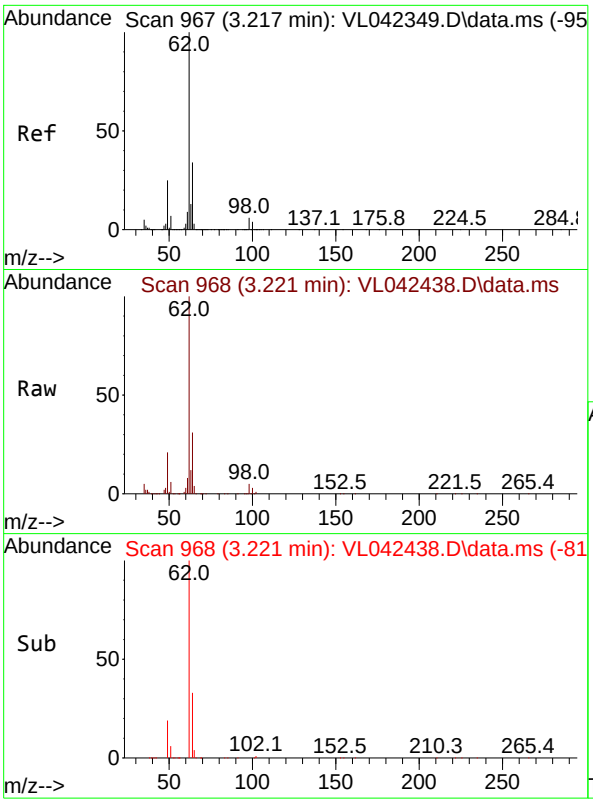


#36
Benzene
Concen: 9.264 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 78 Resp: 317350

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.4	26.0
50	22.8	15.5	23.3



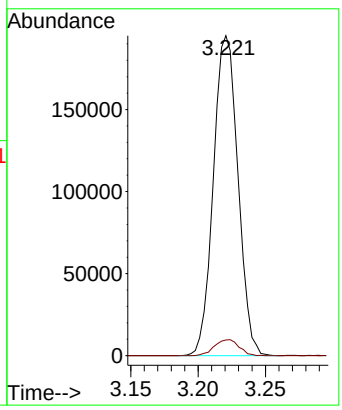


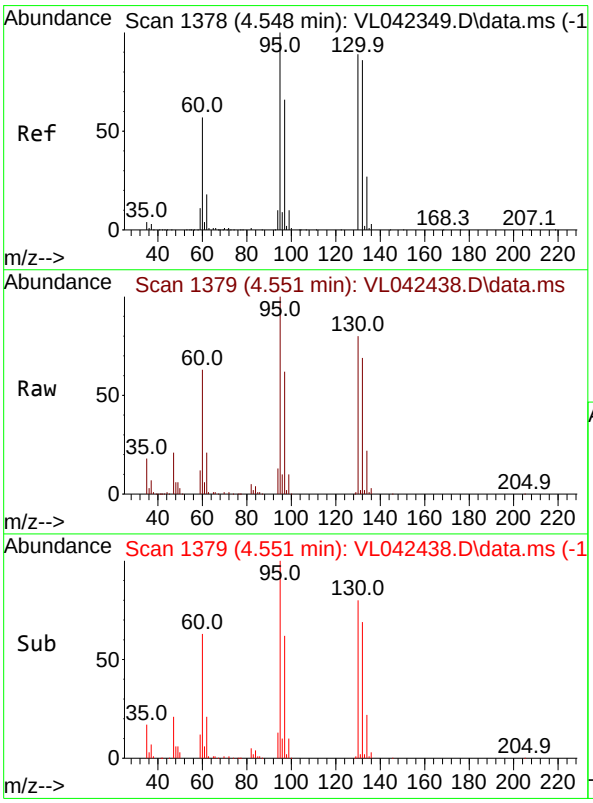
#37
1,2-Dichloroethane
Concen: 12.035 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 62 Resp: 247446

Ion	Ratio	Lower	Upper
62	100		
98	5.0	5.1	7.7#

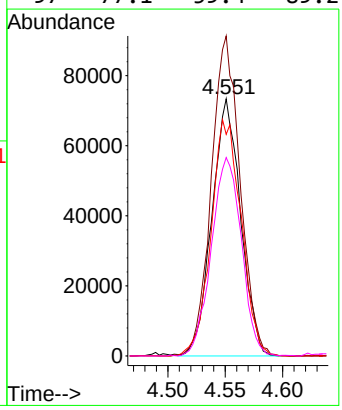


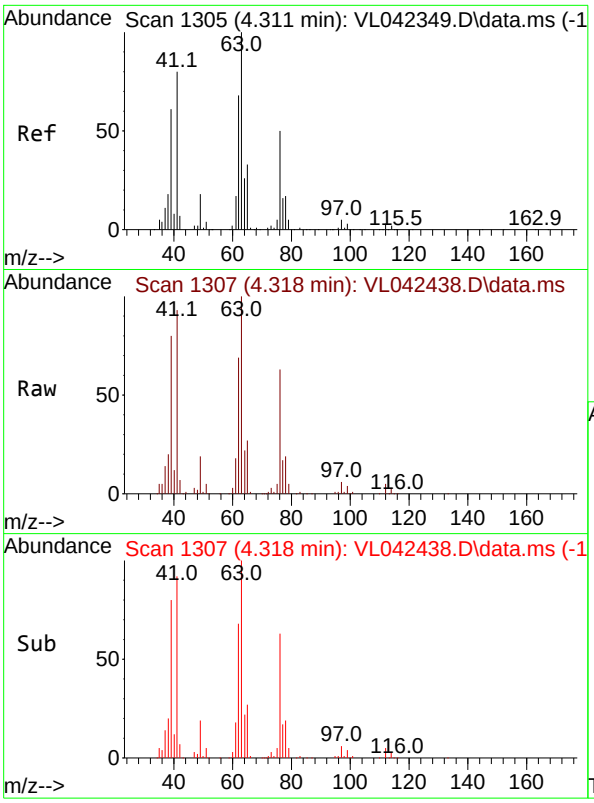


#38
Trichloroethene
Concen: 8.523 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:130 Resp: 127601

Ion	Ratio	Lower	Upper
130	100		
95	124.2	89.8	134.6
132	86.0	77.7	116.5
97	77.1	59.4	89.2



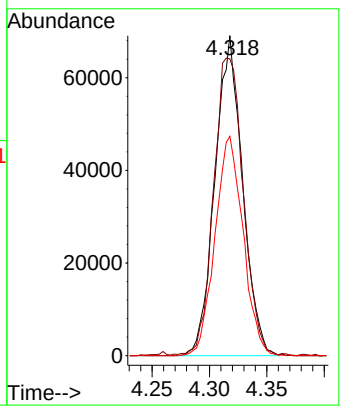


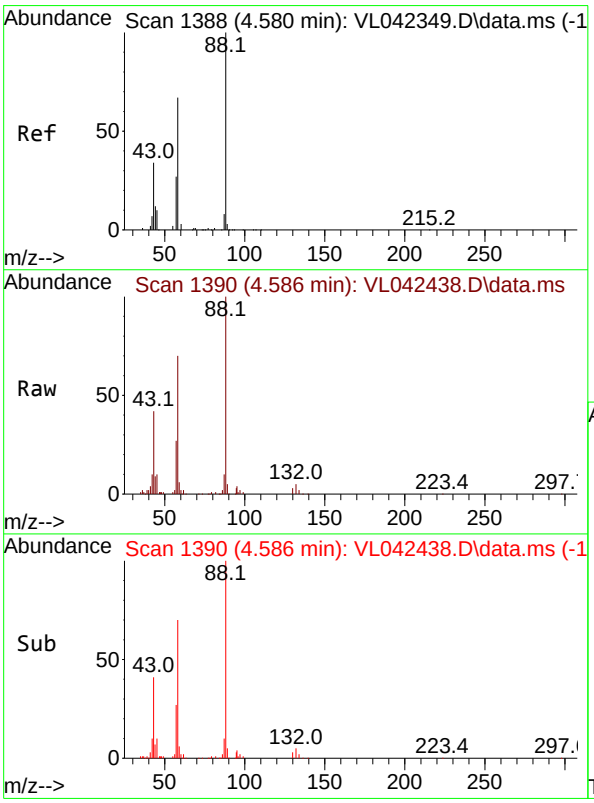
#39
1,2-Dichloropropane
Concen: 9.044 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 63 Resp: 115449

Ion	Ratio	Lower	Upper
63	100		
41	92.4	64.2	96.2
62	68.4	54.3	81.5

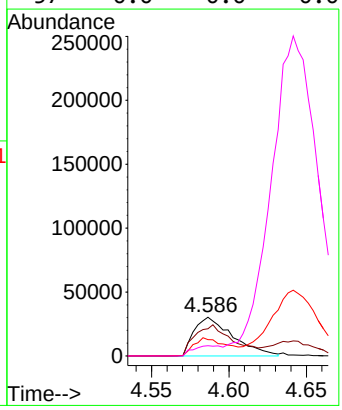


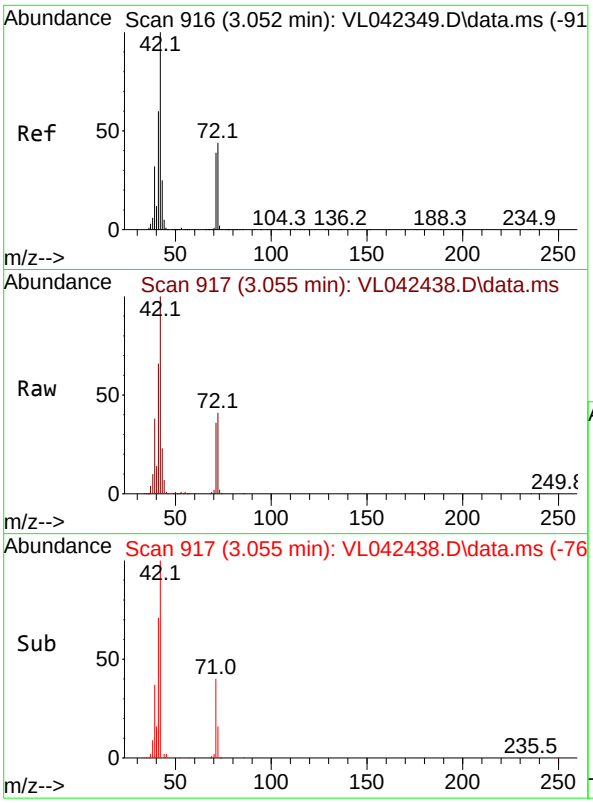


#40
1,4-Dioxane
Concen: 7.529 ppbv
RT: 4.586 min Scan# 1390
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 88 Resp: 52820

Ion	Ratio	Lower	Upper
88	100		
58	78.5	61.4	92.0
43	41.9	23.2	34.8#
57	0.0	0.0	0.0



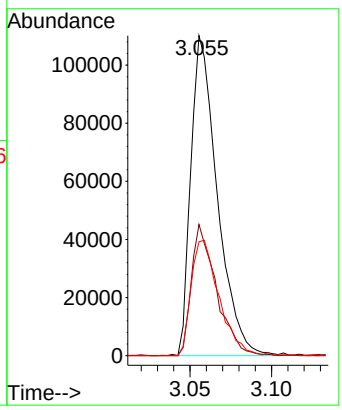


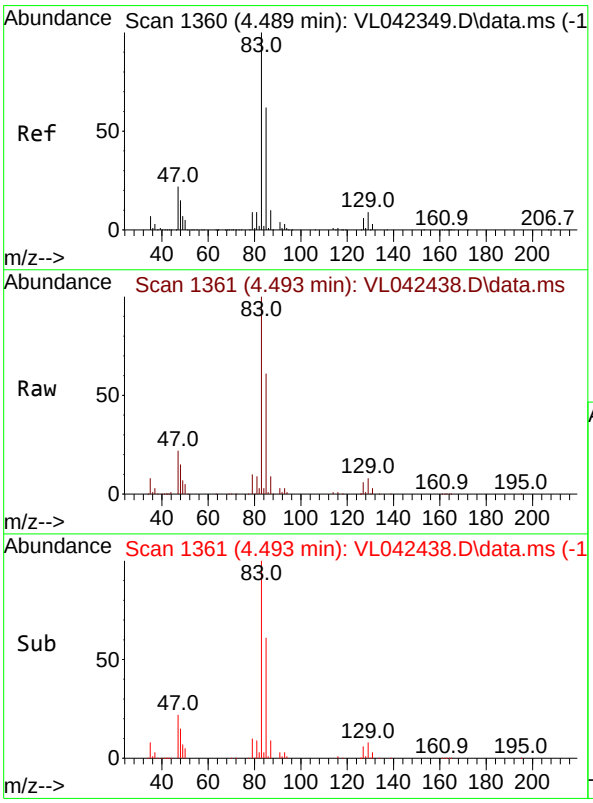
#41
Tetrahydrofuran
Concen: 8.471 ppbv
RT: 3.055 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 42 Resp: 124059

Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.3	48.5
71	38.4	31.4	47.2

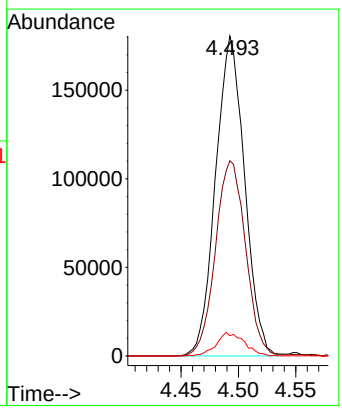


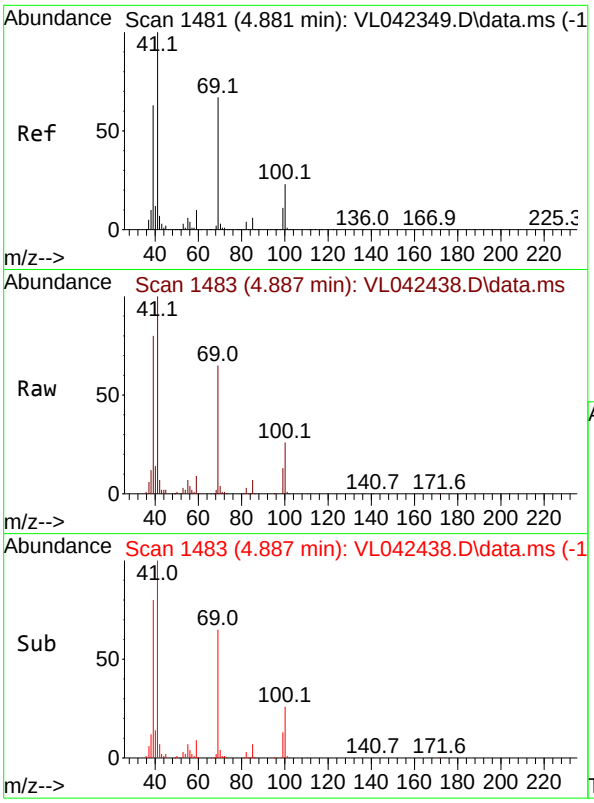


#42
Bromodichloromethane
Concen: 11.088 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 83 Resp: 317253

Ion	Ratio	Lower	Upper
83	100		
85	61.0	49.7	74.5
127	6.4	5.1	7.7



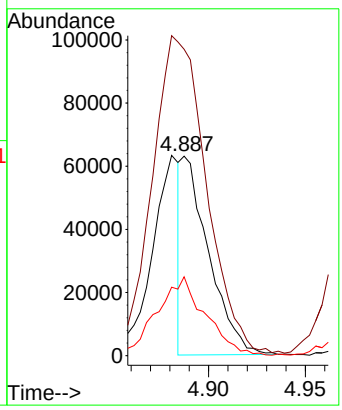


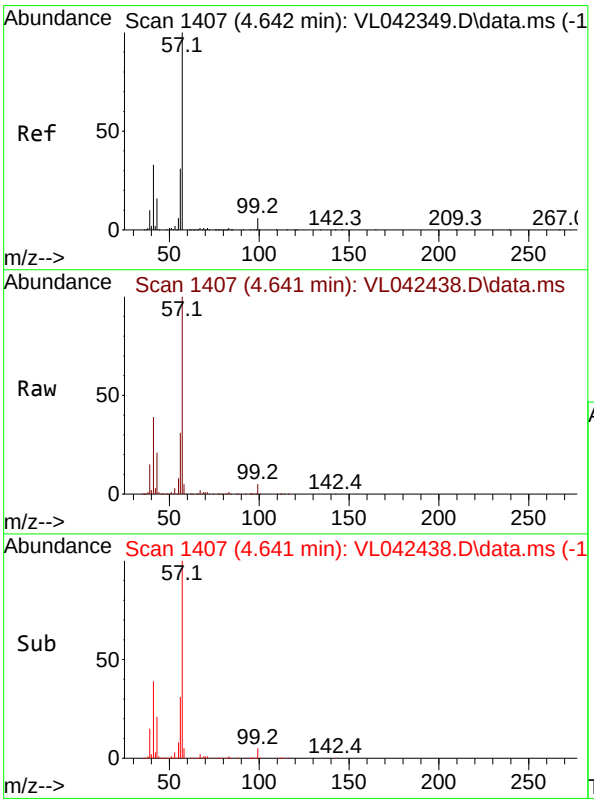
#43
Methyl Methacrylate
Concen: 3.961 ppbv
RT: 4.887 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 69 Resp: 61150

Ion	Ratio	Lower	Upper
69	100		
41	0.0	118.6	177.8#
100	71.6	28.2	42.2#

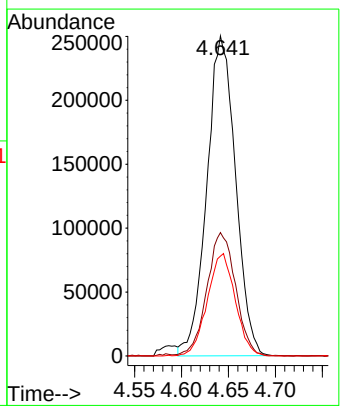


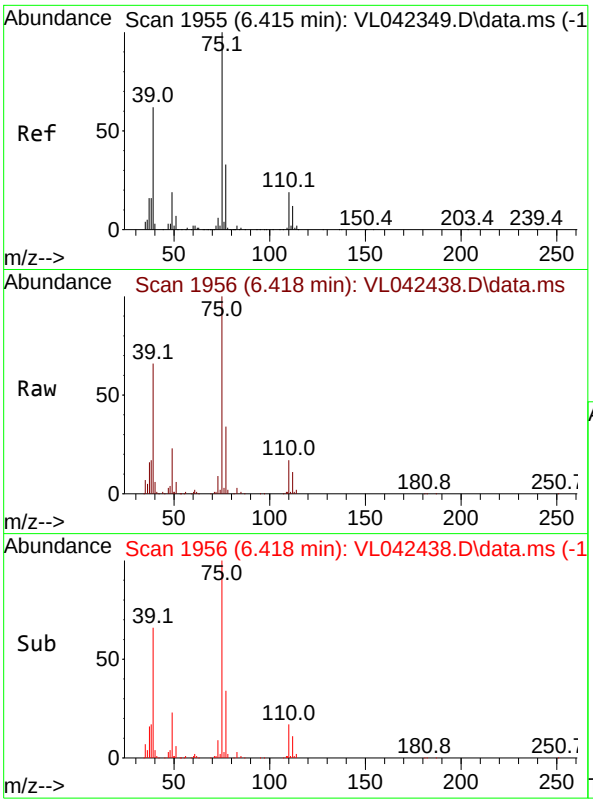


#44
2,2,4-Trimethylpentane
Concen: 8.983 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 57 Resp: 531439

Ion	Ratio	Lower	Upper
57	100		
41	39.1	27.2	40.8
56	31.1	25.7	38.5



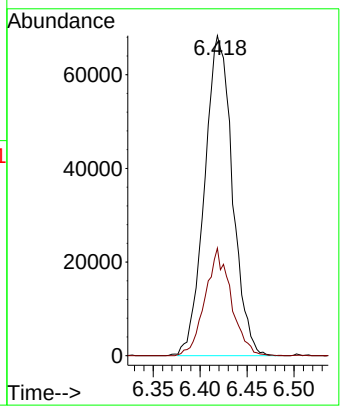


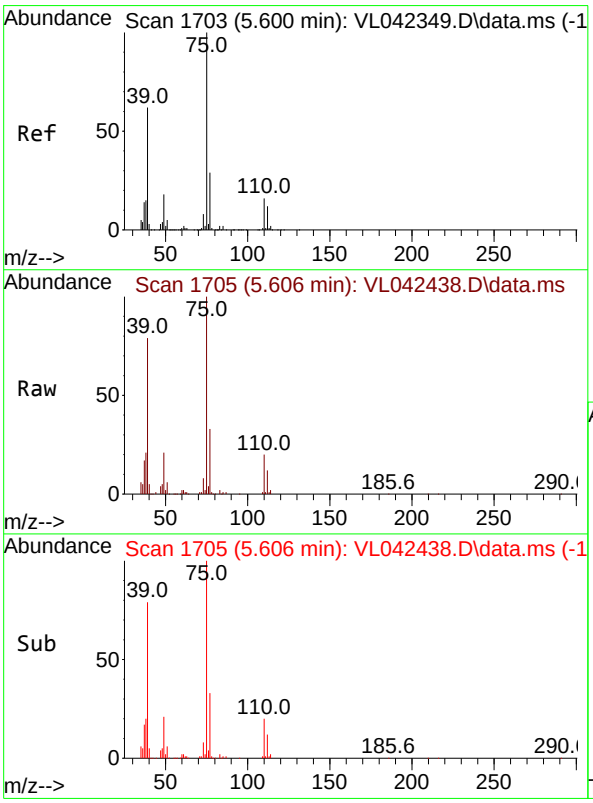
#45
t-1,3-Dichloropropene
Concen: 8.940 ppbv
RT: 6.418 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 75 Resp: 140981

Ion	Ratio	Lower	Upper
75	100		
77	33.6	27.0	40.6

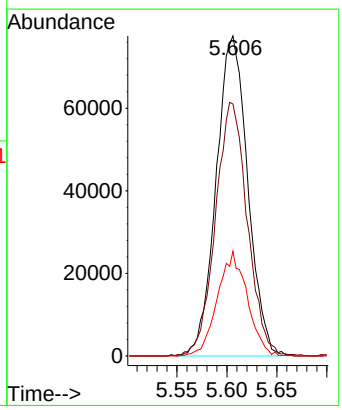


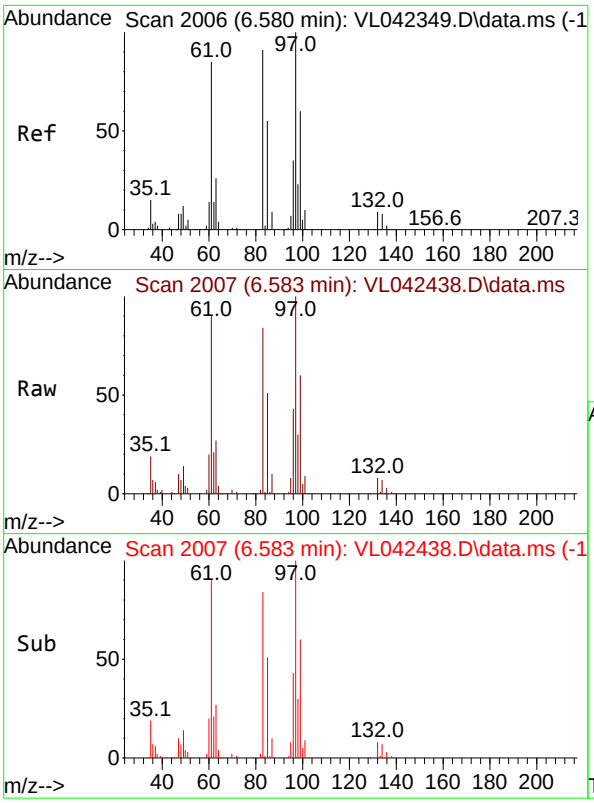


#46
cis-1,3-Dichloropropene
Concen: 8.811 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 75 Resp: 170063

Ion	Ratio	Lower	Upper
75	100		
39	78.3	50.0	75.0#
77	32.7	23.0	34.6



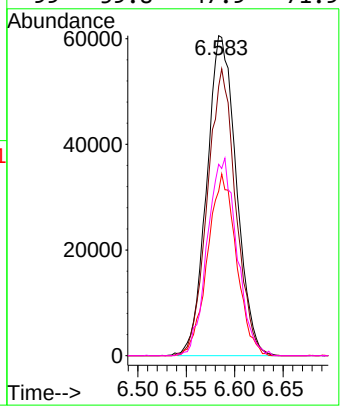


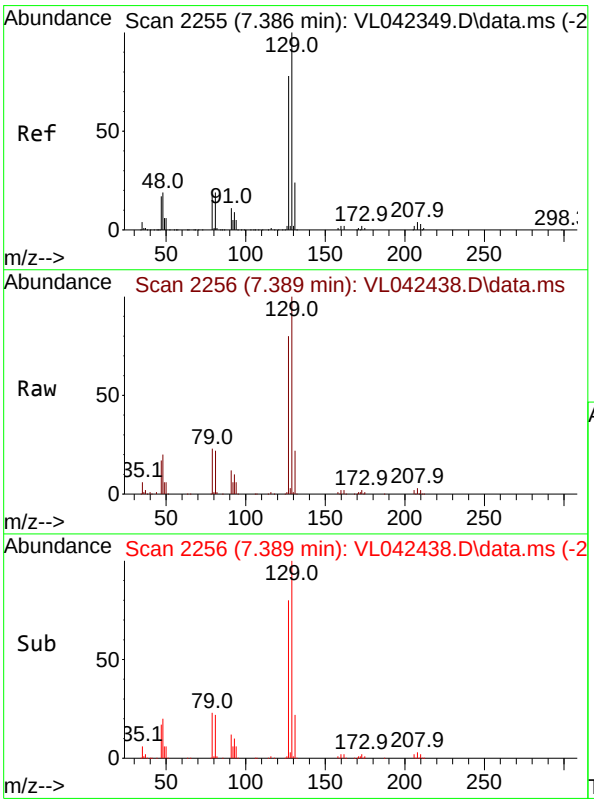
#47
1,1,2-Trichloroethane
Concen: 9.893 ppbv
RT: 6.583 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 97 Resp: 128662

Ion	Ratio	Lower	Upper
97	100		
83	84.0	72.8	109.2
85	51.4	44.2	66.4
99	59.8	47.9	71.9

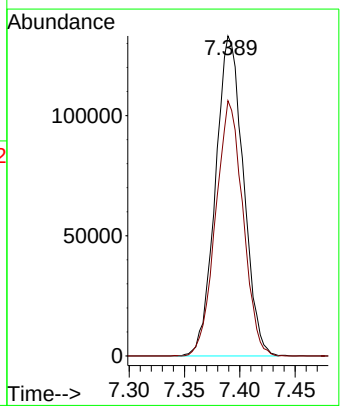


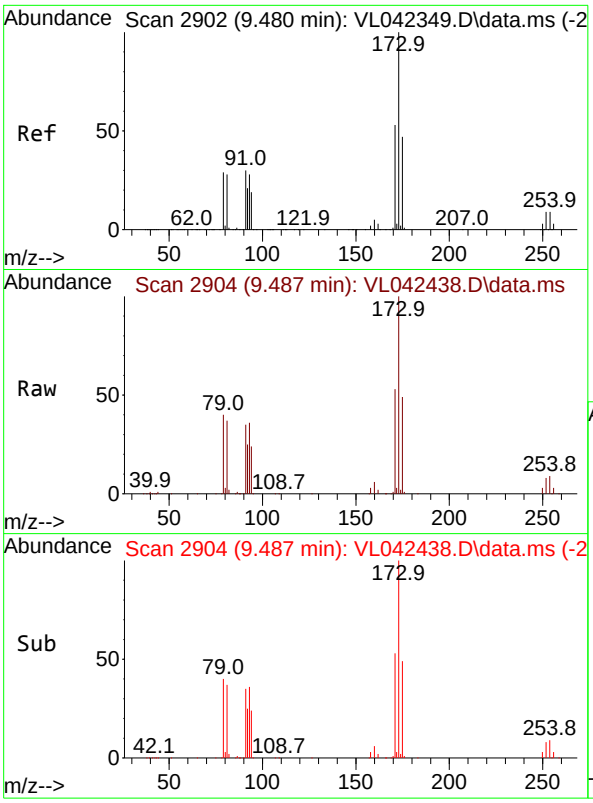


#48
Dibromochloromethane
Concen: 10.156 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:129 Resp: 233350

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3



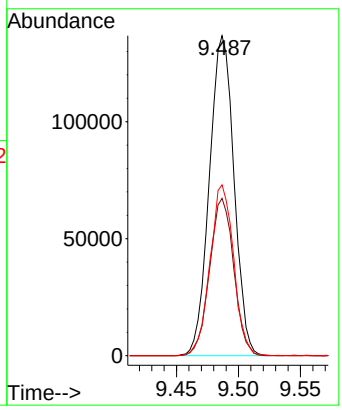


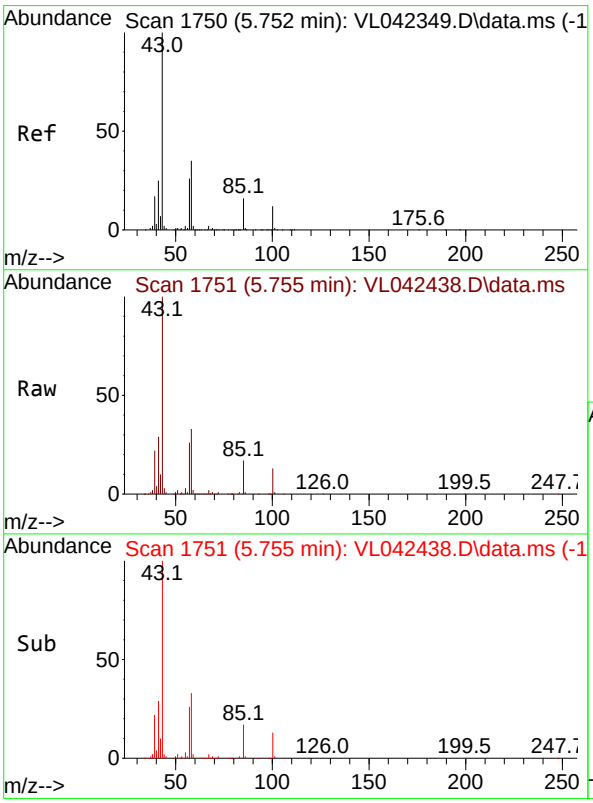
#49
Bromoform
Concen: 9.431 ppbv
RT: 9.487 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:173 Resp: 189484

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.2	57.2
171	51.4	40.9	61.3

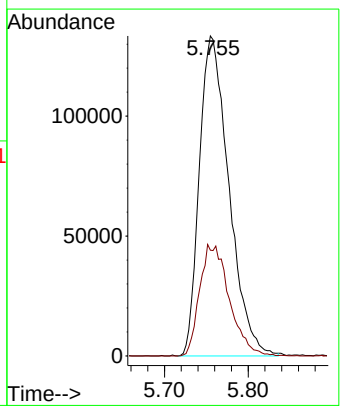


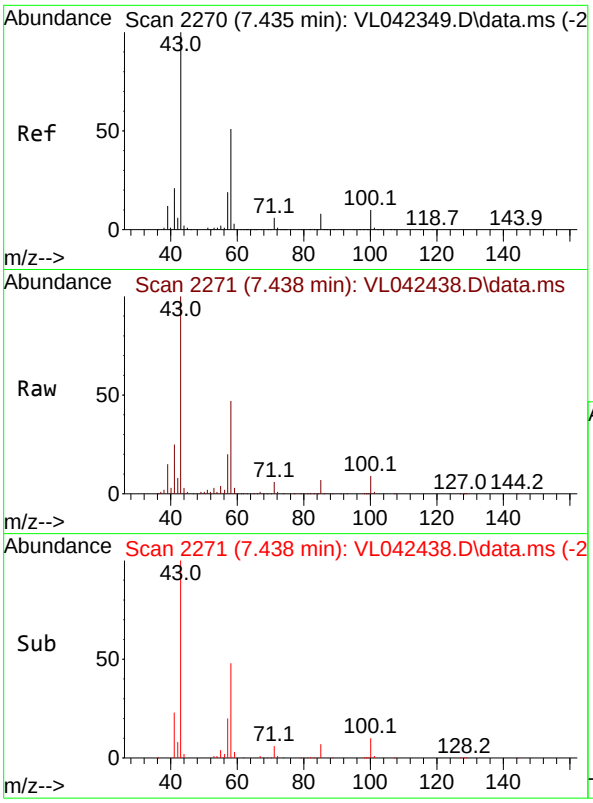


#50
4-Methyl-2-Pentanone
Concen: 7.846 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 327508

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	43.0



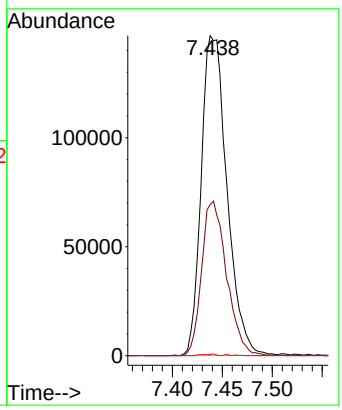


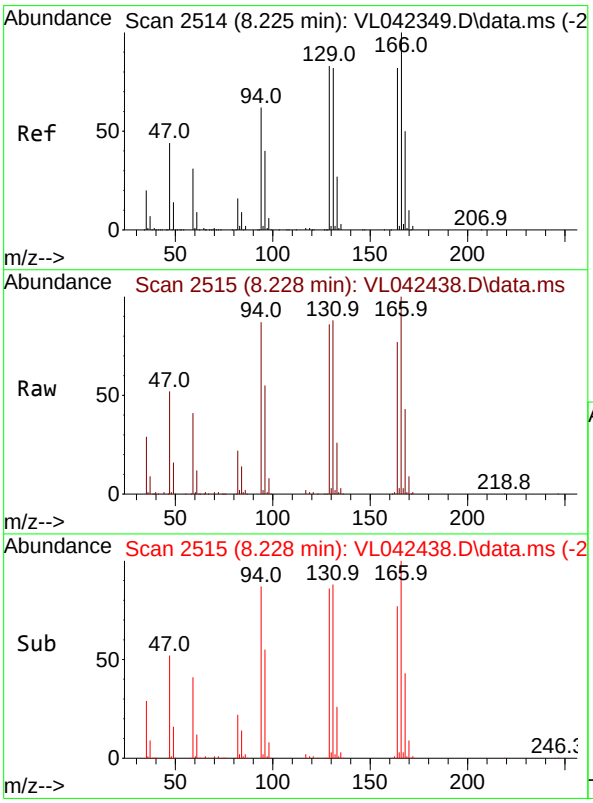
#51
2-Hexanone
Concen: 7.018 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 43 Resp: 262697

Ion	Ratio	Lower	Upper
43	100		
58	47.0	40.2	60.4
98	0.4	0.1	0.1#

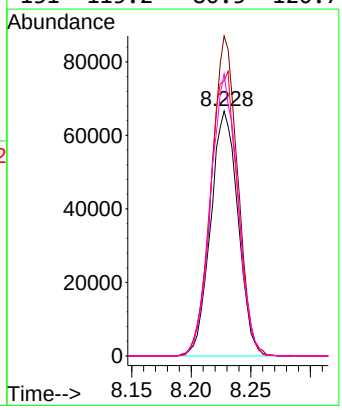


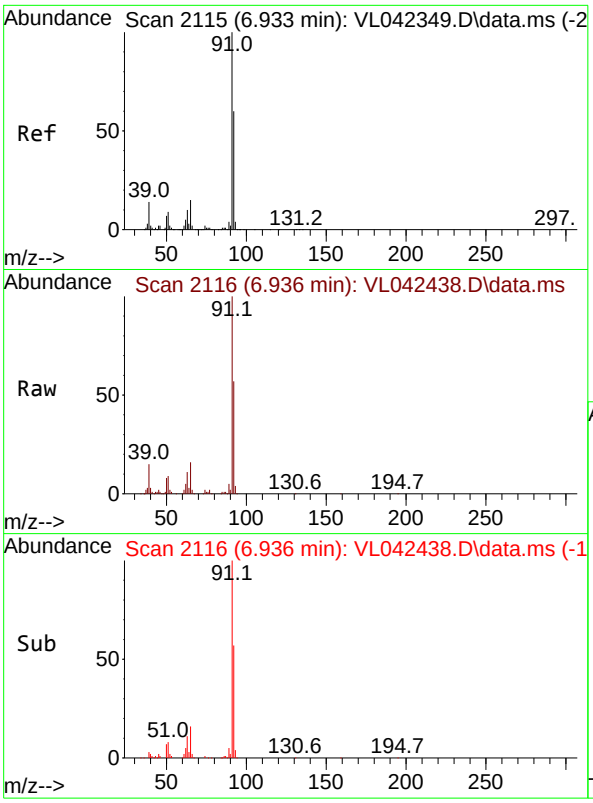


#52
Tetrachloroethene
Concen: 8.008 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:164 Resp: 106031

Ion	Ratio	Lower	Upper
164	100		
166	130.7	98.2	147.2
129	112.3	81.8	122.8
131	115.2	80.5	120.7



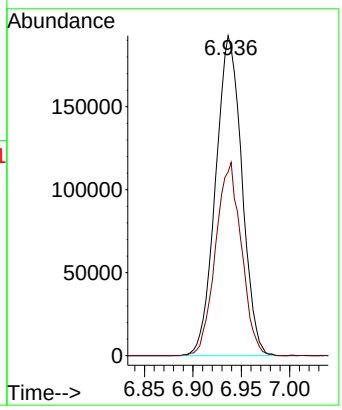


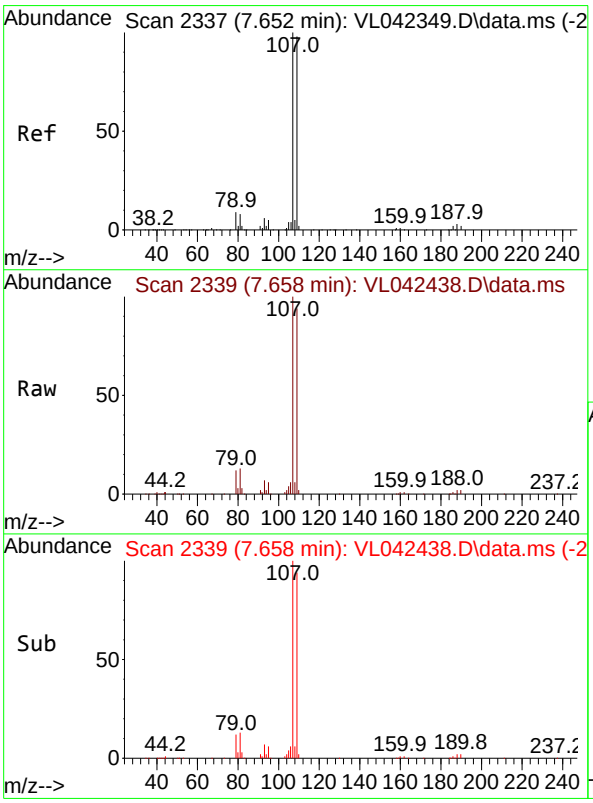
#53
Toluene
Concen: 8.848 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 91 Resp: 363707

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.2	72.4

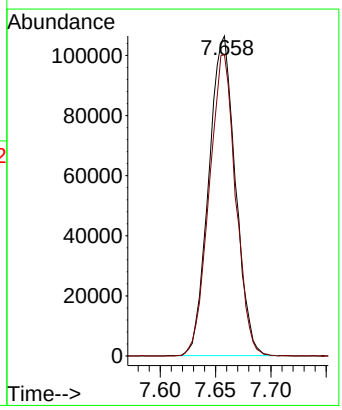


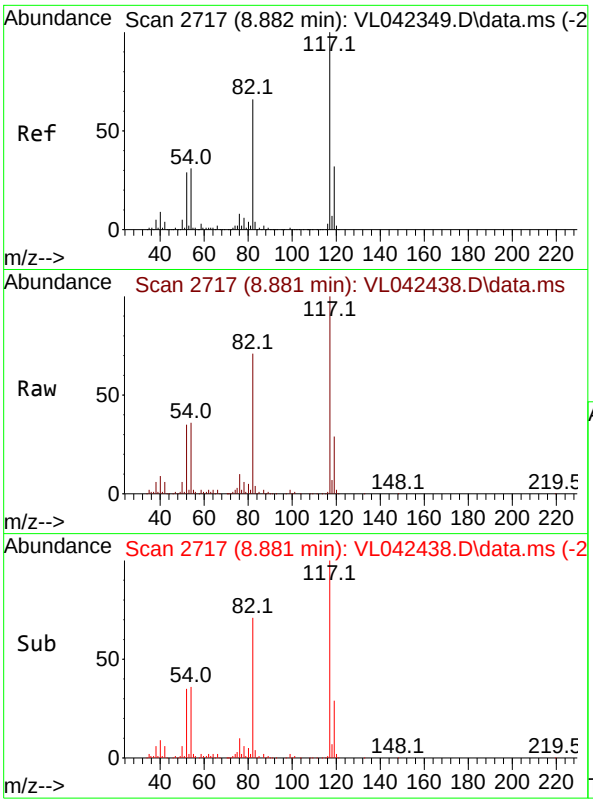


#54
1,2-Dibromoethane
Concen: 9.601 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:107 Resp: 178709

Ion	Ratio	Lower	Upper
107	100		
109	94.3	78.2	117.4



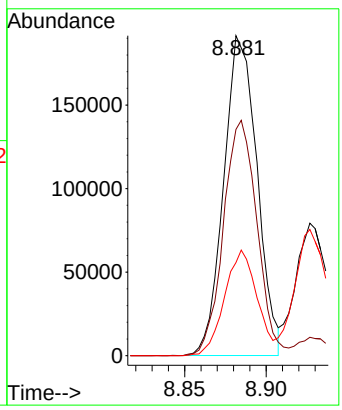


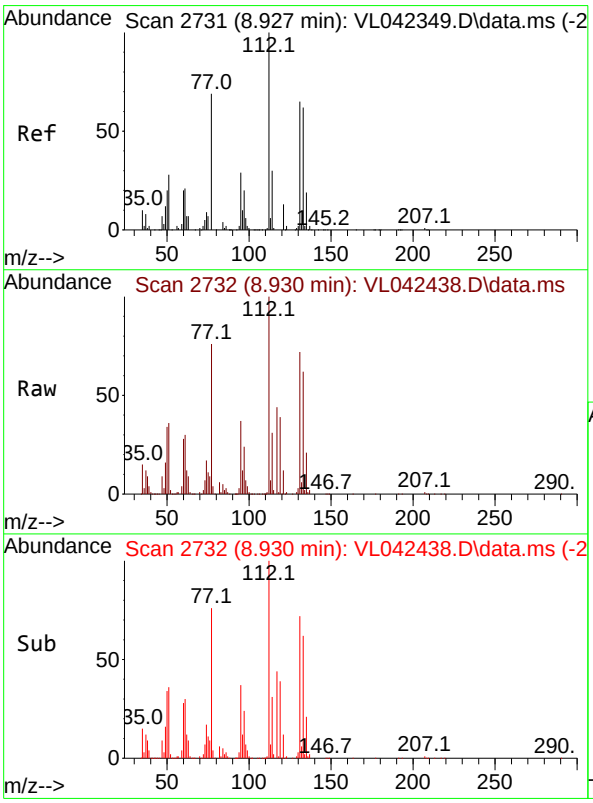
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:117 Resp: 272312

Ion	Ratio	Lower	Upper
117	100		
82	79.2	57.8	86.6
119	32.0	25.2	37.8

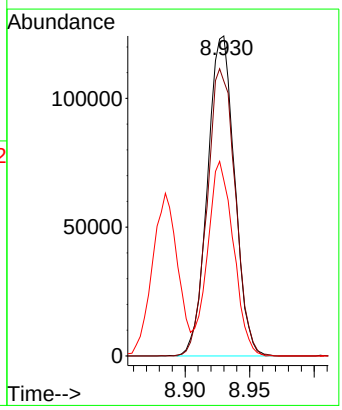


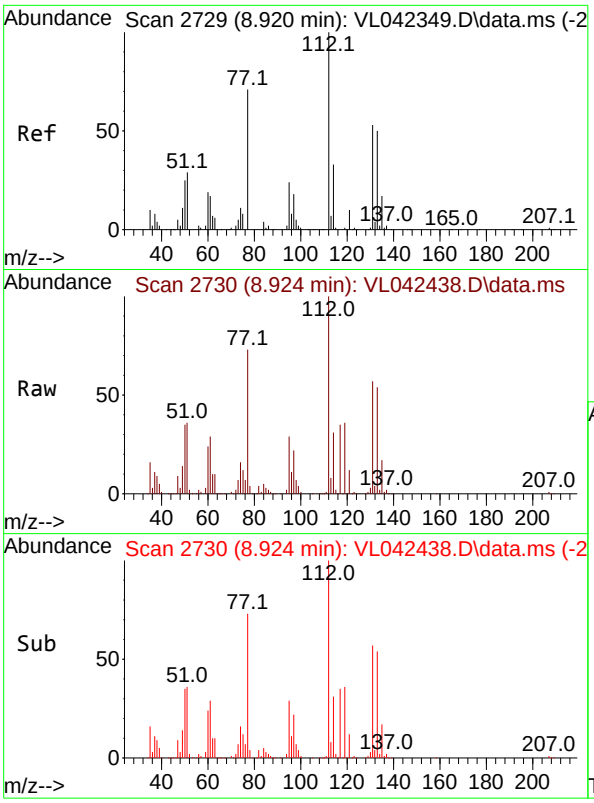


#56
1,1,1,2-Tetrachloroethane
Concen: 10.981 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:131 Resp: 180979

Ion	Ratio	Lower	Upper
131	100		
133	93.2	78.3	117.5
119	58.6	48.7	73.1



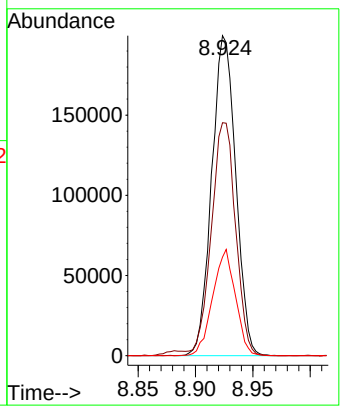


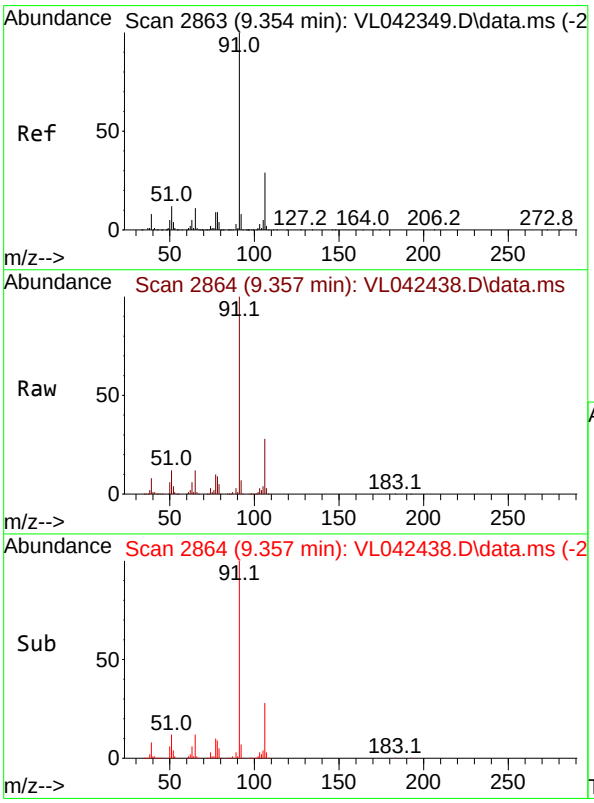
#57
Chlorobenzene
Concen: 10.270 ppbv
RT: 8.924 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:112 Resp: 290861

Ion	Ratio	Lower	Upper
112	100		
77	72.8	57.8	86.6
114	30.8	29.3	35.9

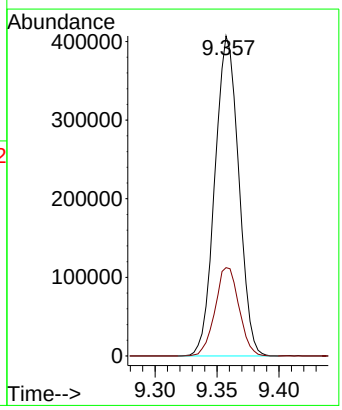


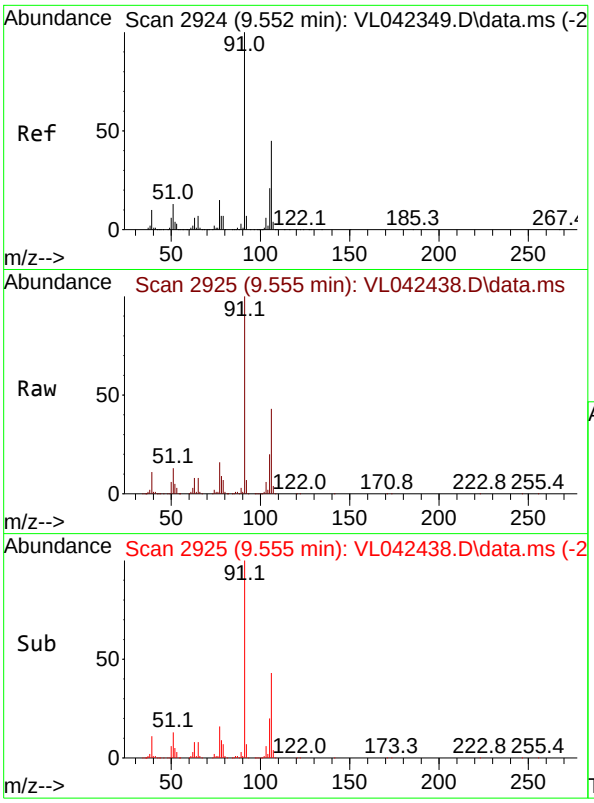


#58
Ethyl Benzene
Concen: 10.111 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 545497

Ion	Ratio	Lower	Upper
91	100		
106	27.6	23.0	34.4



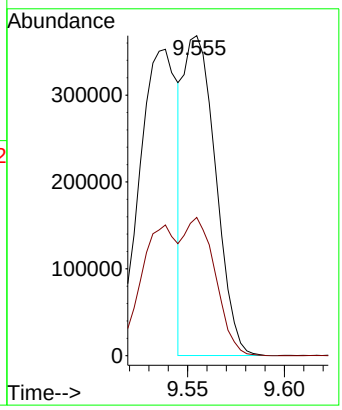


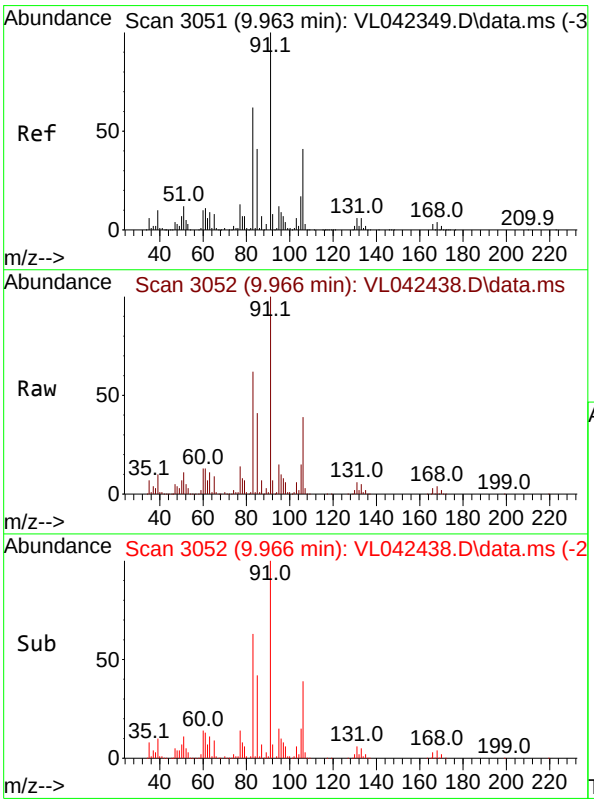
#59
m/p-Xylene
Concen: 9.768 ppbv
RT: 9.555 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 91 Resp: 424567

Ion	Ratio	Lower	Upper
91	100		
106	89.3	35.4	53.2#

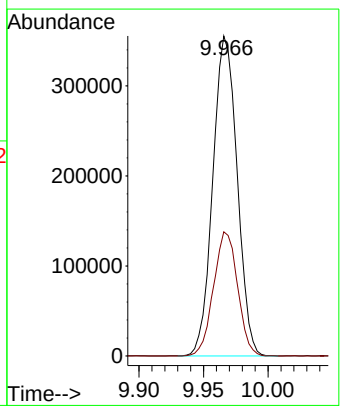


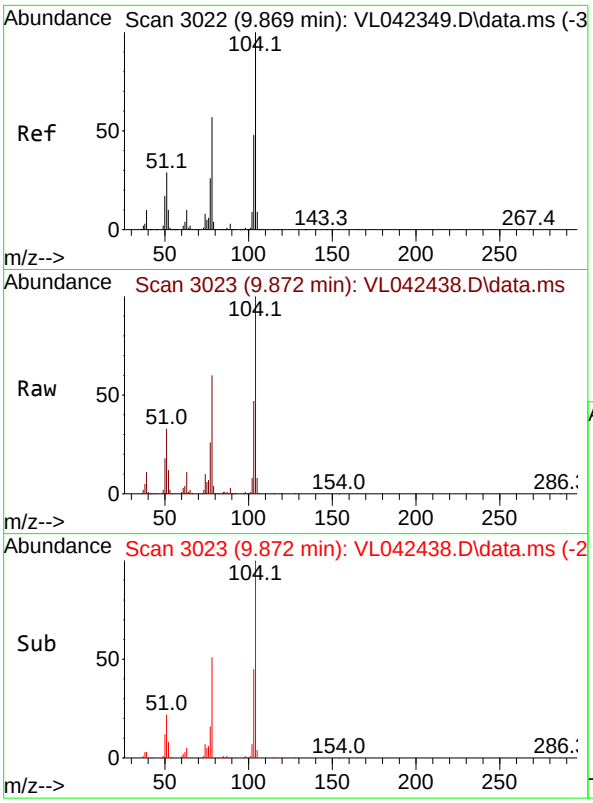


#60
o-Xylene
Concen: 10.639 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 465645

Ion	Ratio	Lower	Upper
91	100		
106	38.4	21.1	63.4



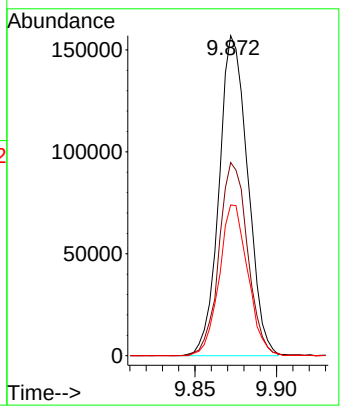


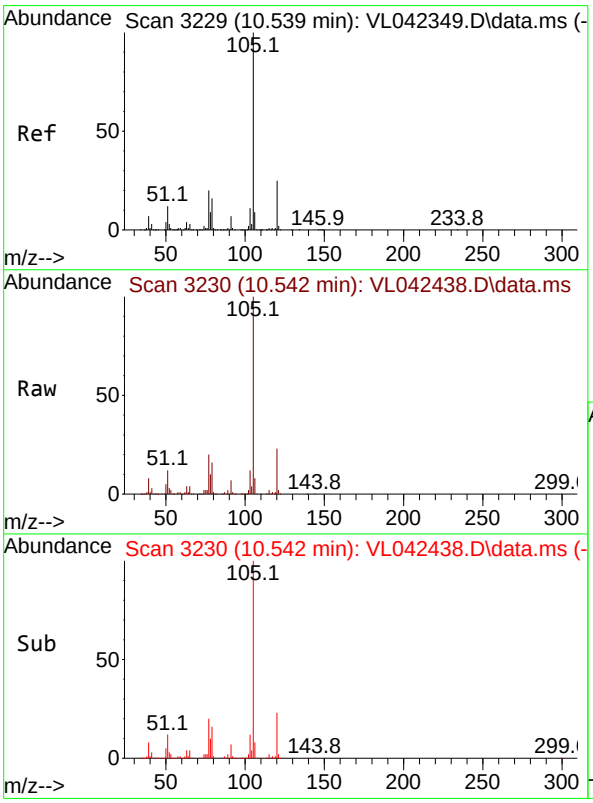
#61
Styrene
Concen: 9.178 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:104 Resp: 191741

Ion	Ratio	Lower	Upper
104	100		
78	60.1	44.6	66.8
103	47.0	37.4	56.0

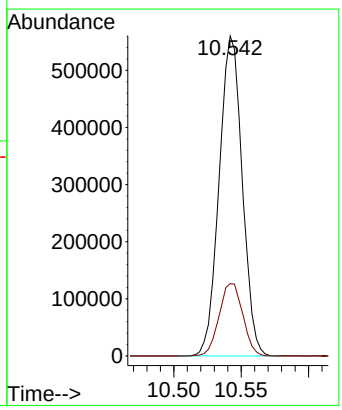


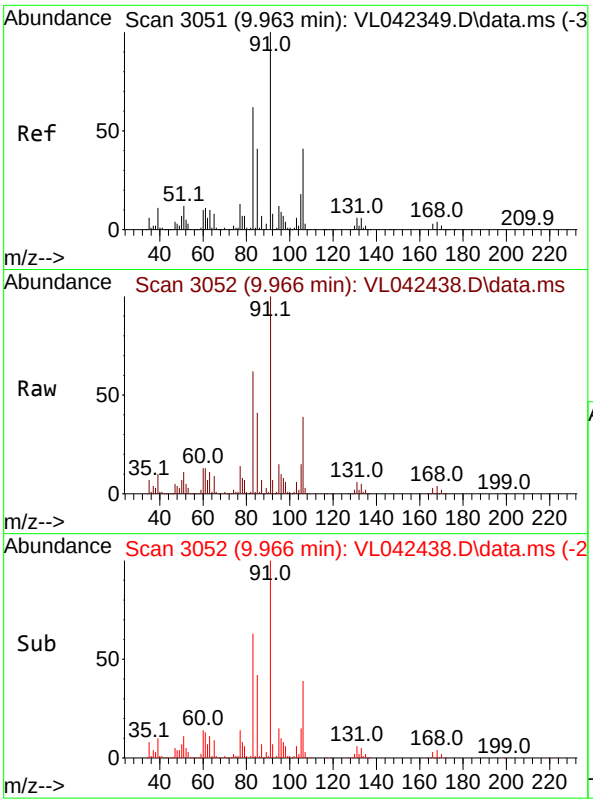


#62
Isopropylbenzene
Concen: 10.393 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 667839

Ion	Ratio	Lower	Upper
105	100		
120	23.2	19.8	29.8



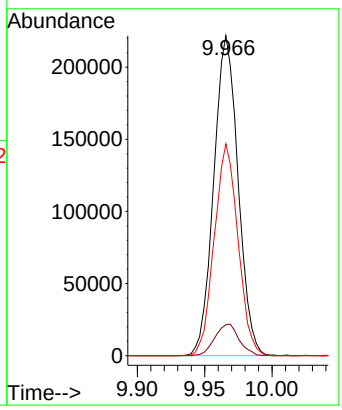


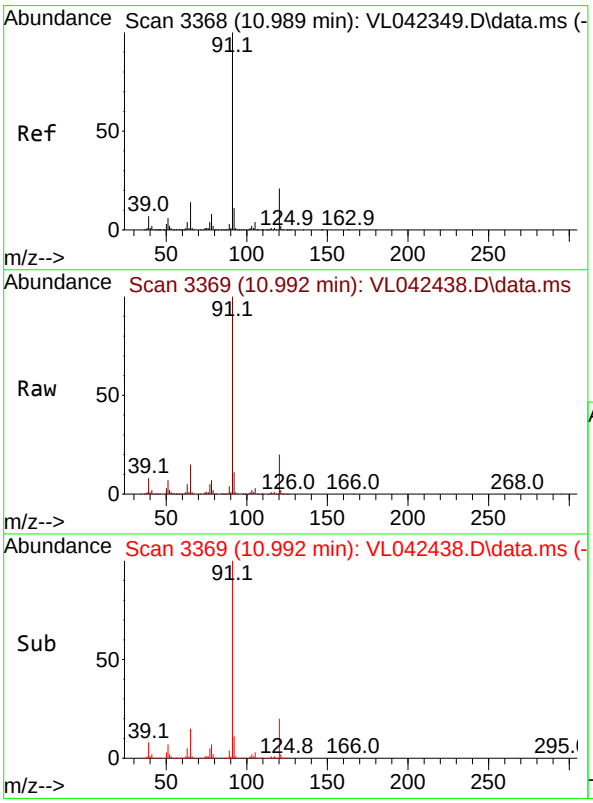
#63
1,1,2,2-Tetrachloroethane
Concen: 9.819 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 83 Resp: 278491

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	64.4	32.4	97.0

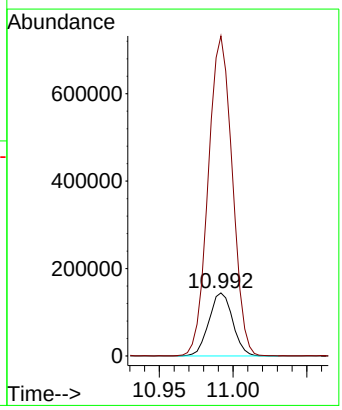


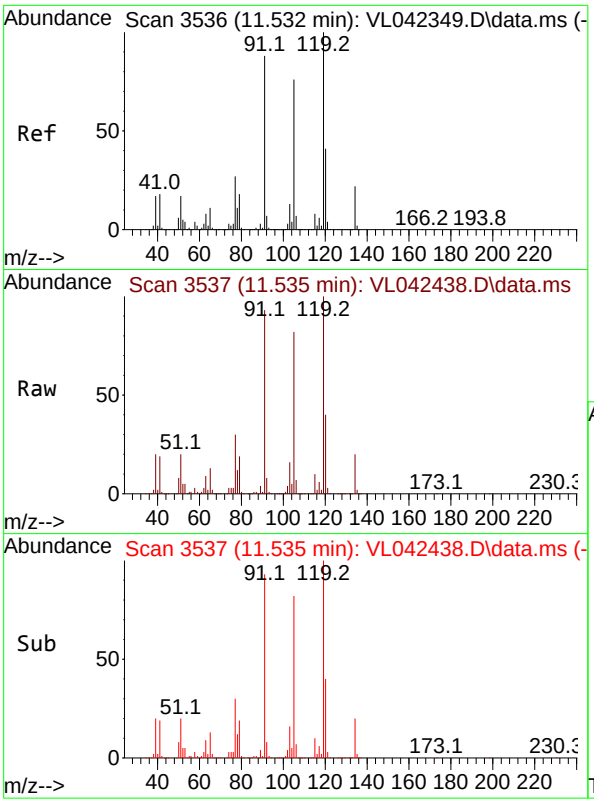


#64
n-propylbenzene
Concen: 9.987 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:120 Resp: 161309

Ion	Ratio	Lower	Upper
120	100		
91	515.8	392.4	588.6



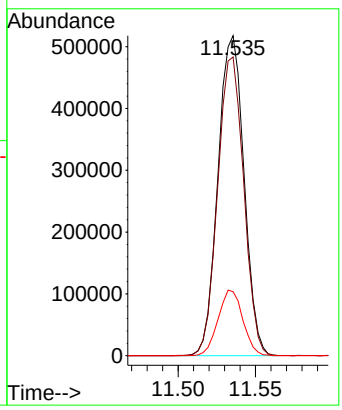


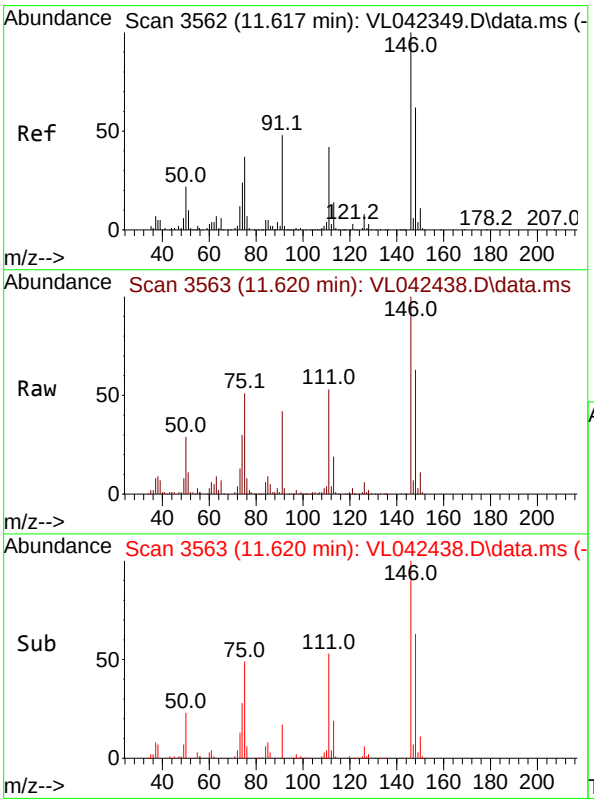
#65
tert-Butylbenzene
Concen: 10.260 ppbv
RT: 11.535 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:119 Resp: 605972

Ion	Ratio	Lower	Upper
119	100		
91	93.3	74.6	111.8
134	19.5	18.8	28.2

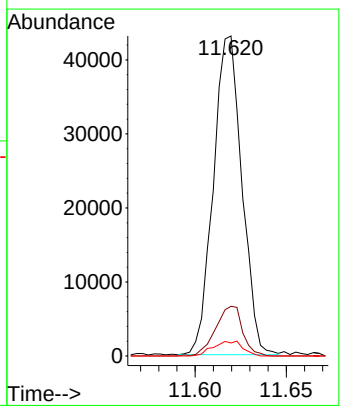


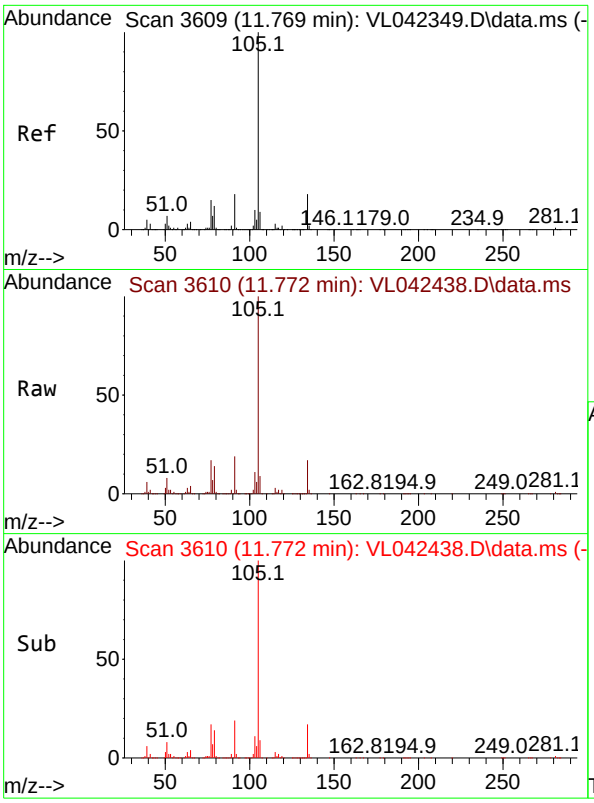


#66
Benzyl Chloride
Concen: 7.229 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 46913

Ion	Ratio	Lower	Upper
91	100		
126	14.8	11.8	17.6
128	4.8	4.5	6.7



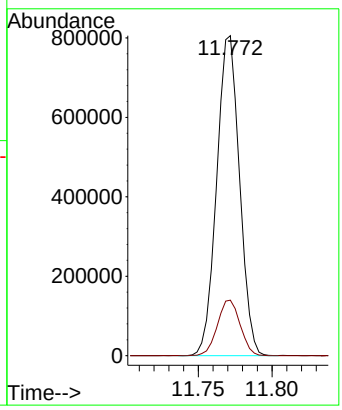


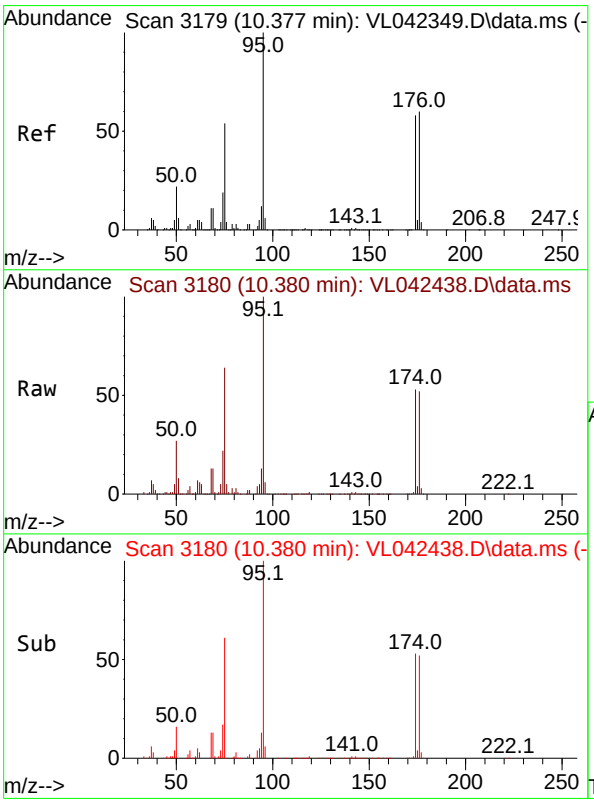
#67
sec-Butylbenzene
Concen: 10.569 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:105 Resp: 868275

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.6	21.8

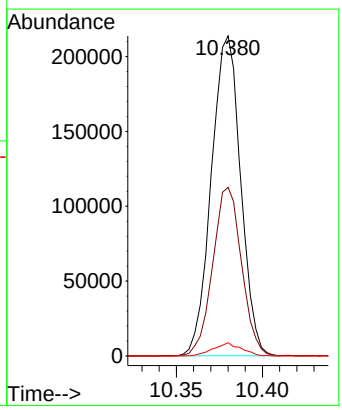


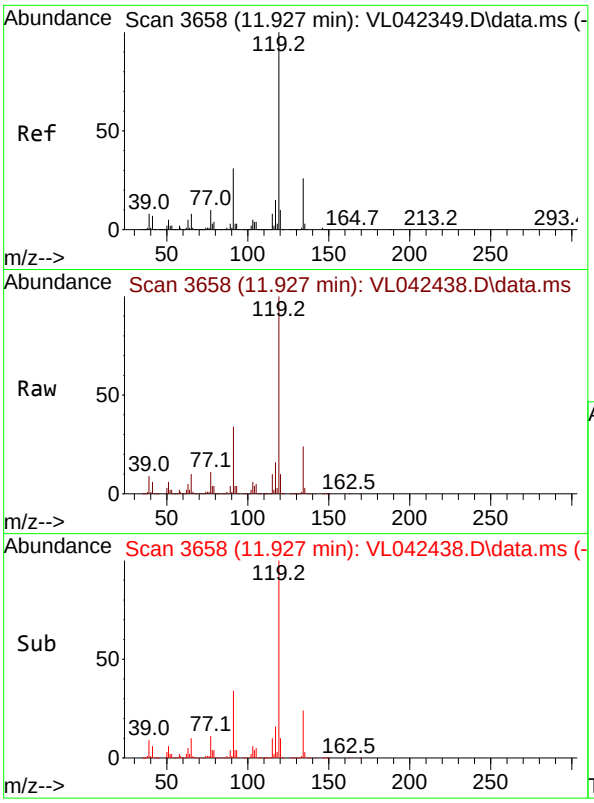


#68
1-Bromo-4-Fluorobenzene
Concen: 11.307 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 95 Resp: 253021

Ion	Ratio	Lower	Upper
95	100		
174	52.0	48.5	72.7
175	3.9	3.7	5.5



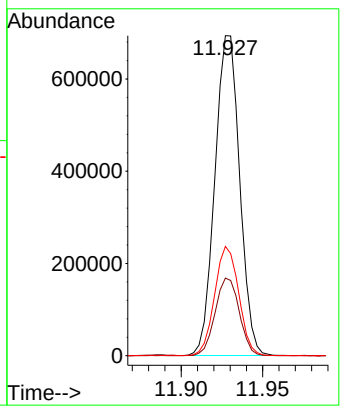


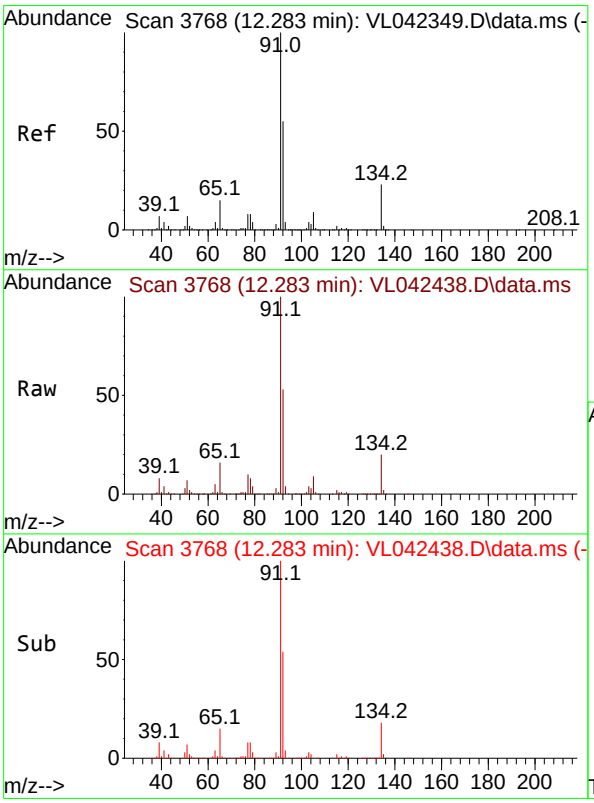
#69
p-Isopropyltoluene
Concen: 10.282 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:119 Resp: 733796

Ion	Ratio	Lower	Upper
119	100		
134	23.7	20.0	30.0
91	33.4	24.4	36.6

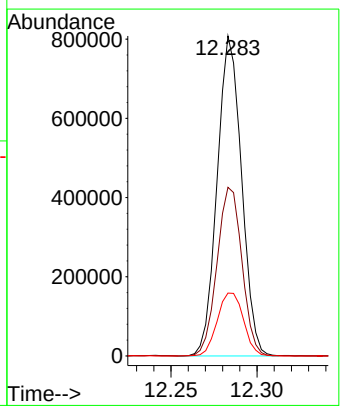


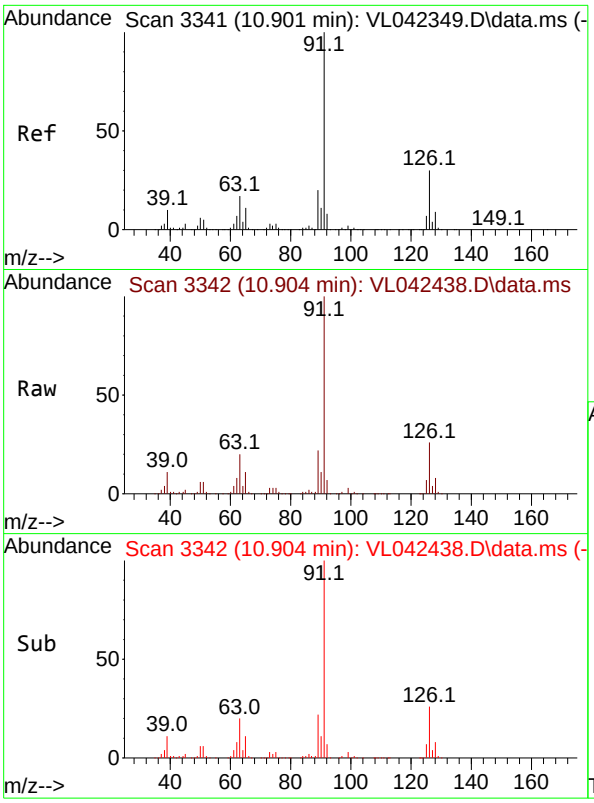


#70
n-Butylbenzene
Concen: 10.717 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 796622

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.2	66.4
134	21.1	18.2	27.4



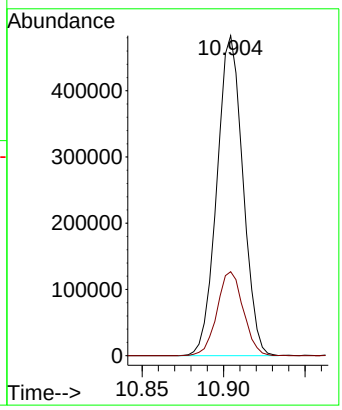


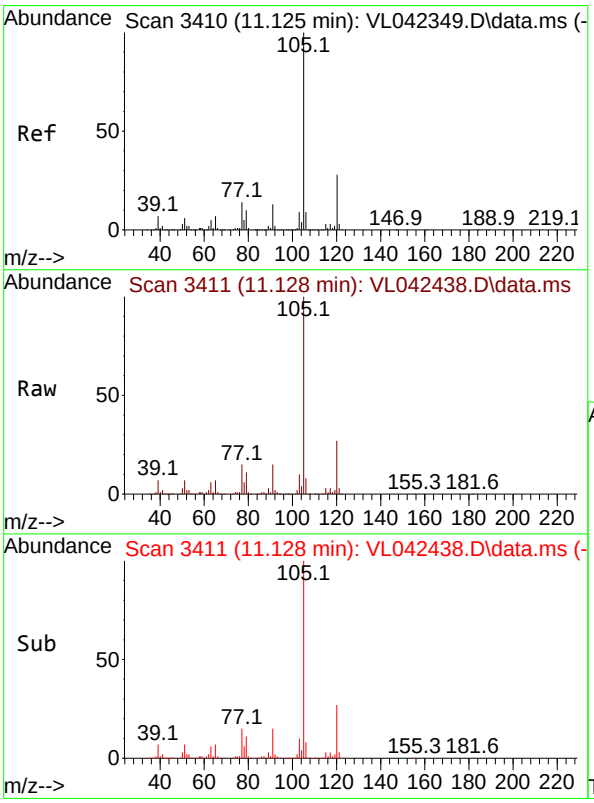
#71
2-Chlorotoluene
Concen: 10.614 ppbv
RT: 10.904 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 91 Resp: 534951

Ion	Ratio	Lower	Upper
91	100		
126	26.4	11.4	45.4

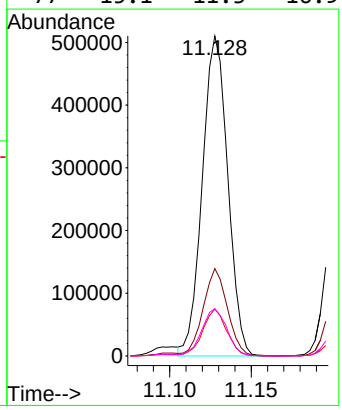


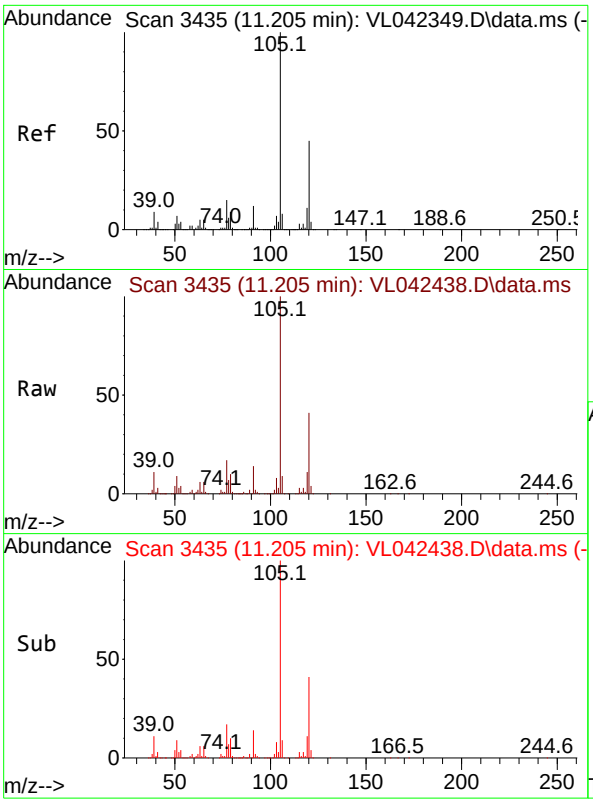


#72
4-Ethyltoluene
Concen: 10.351 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 553879

Ion	Ratio	Lower	Upper
105	100		
120	26.9	23.2	34.8
91	14.3	10.4	15.6
77	15.1	11.3	16.9



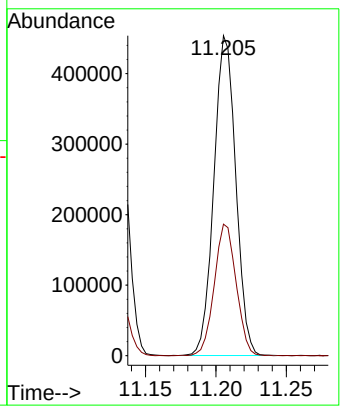


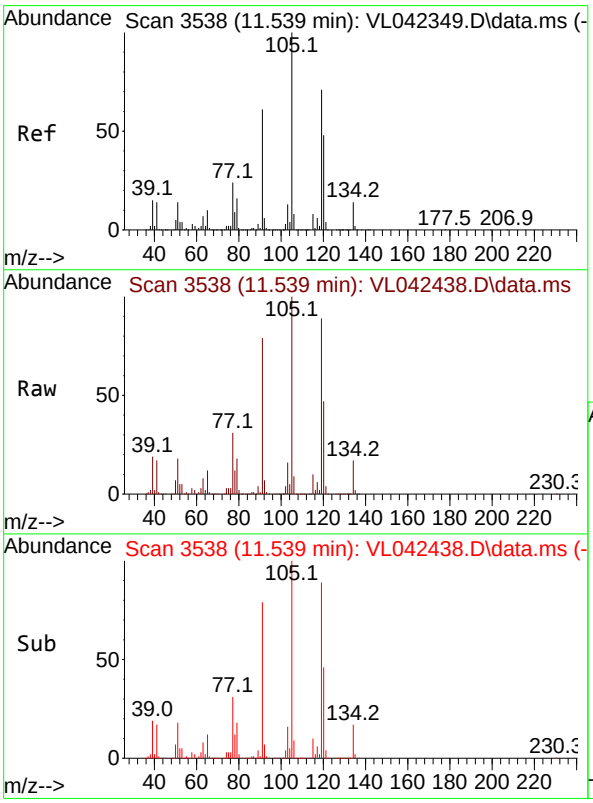
#73
1,3,5-Trimethylbenzene
Concen: 10.403 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:105 Resp: 491459

Ion	Ratio	Lower	Upper
105	100		
120	41.1	35.6	53.4

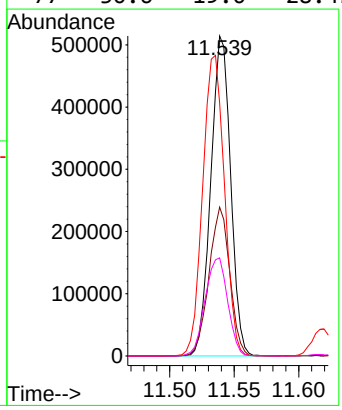


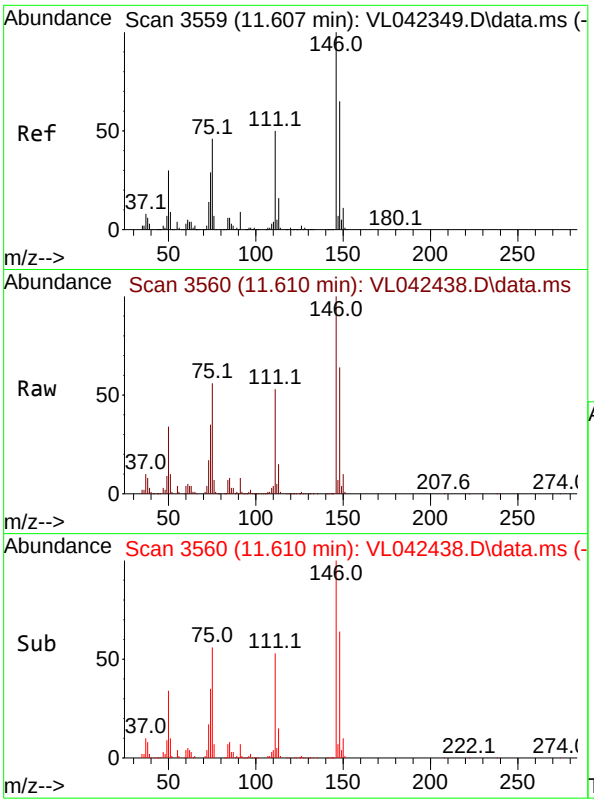


#74
1,2,4-Trimethylbenzene
Concen: 9.939 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 548408

Ion	Ratio	Lower	Upper
105	100		
120	46.5	38.1	57.1
91	79.0	48.8	73.2#
77	30.6	19.0	28.4#



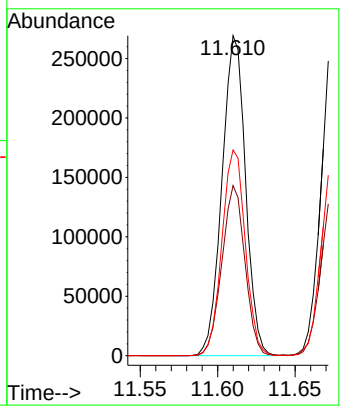


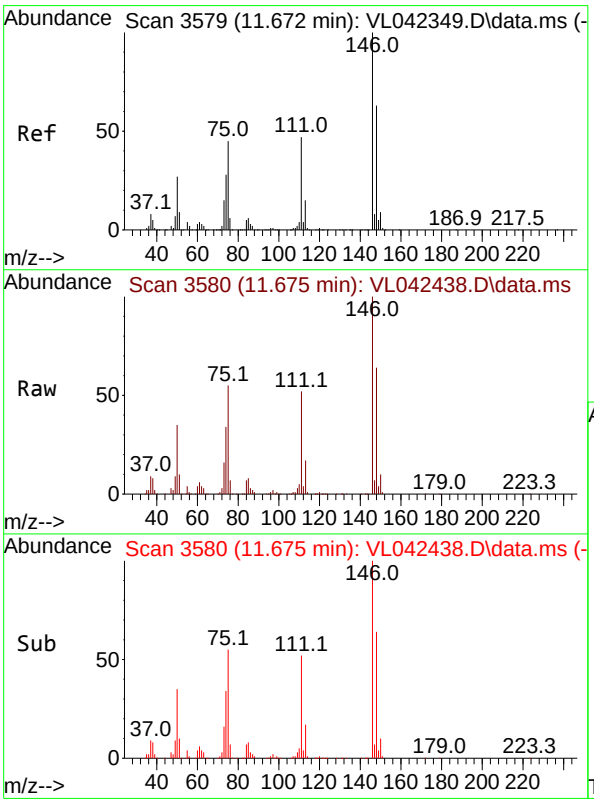
#75
1,3-Dichlorobenzene
Concen: 9.931 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:146 Resp: 284809

Ion	Ratio	Lower	Upper
146	100		
111	52.1	24.3	72.8
148	63.8	31.6	94.8

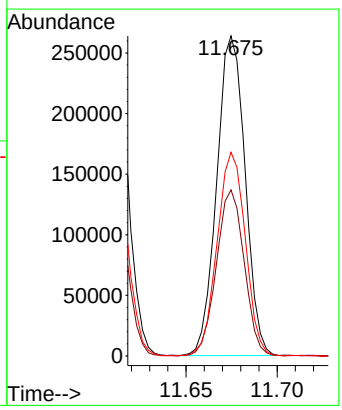


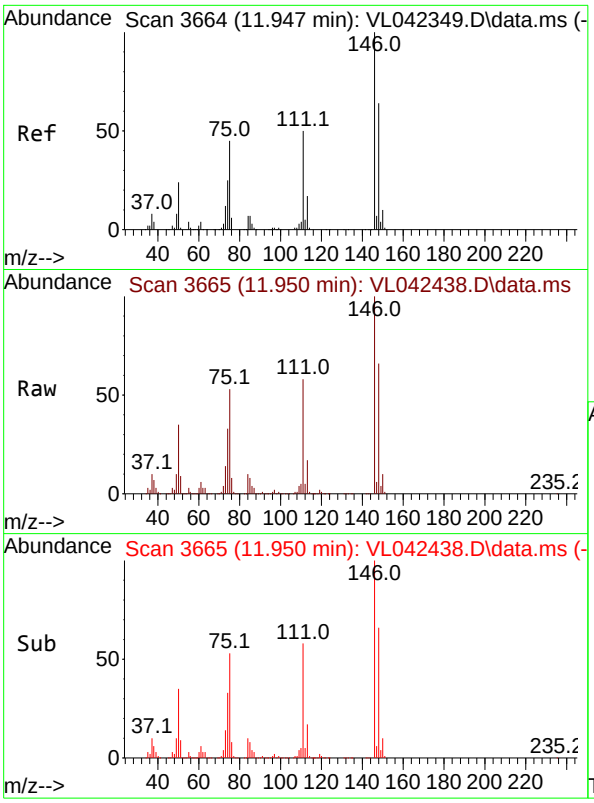


#76
1,4-Dichlorobenzene
Concen: 9.907 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:146 Resp: 285571

Ion	Ratio	Lower	Upper
146	100		
111	51.1	24.2	72.6
148	63.6	32.1	96.5



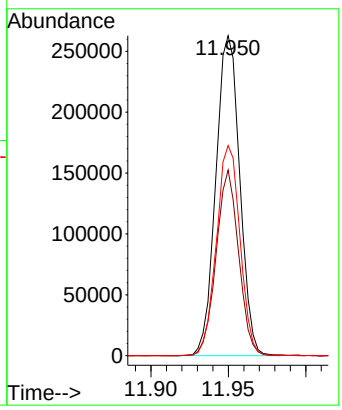


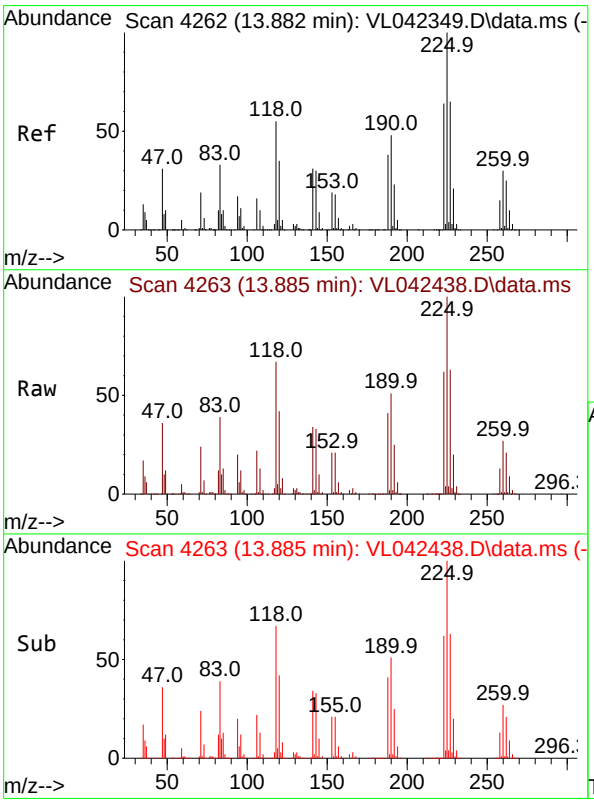
#77
1,2-Dichlorobenzene
Concen: 10.128 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:146 Resp: 282424

Ion	Ratio	Lower	Upper
146	100		
111	54.6	25.3	75.9
148	64.8	31.5	94.5

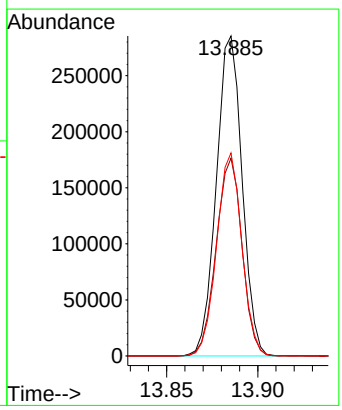


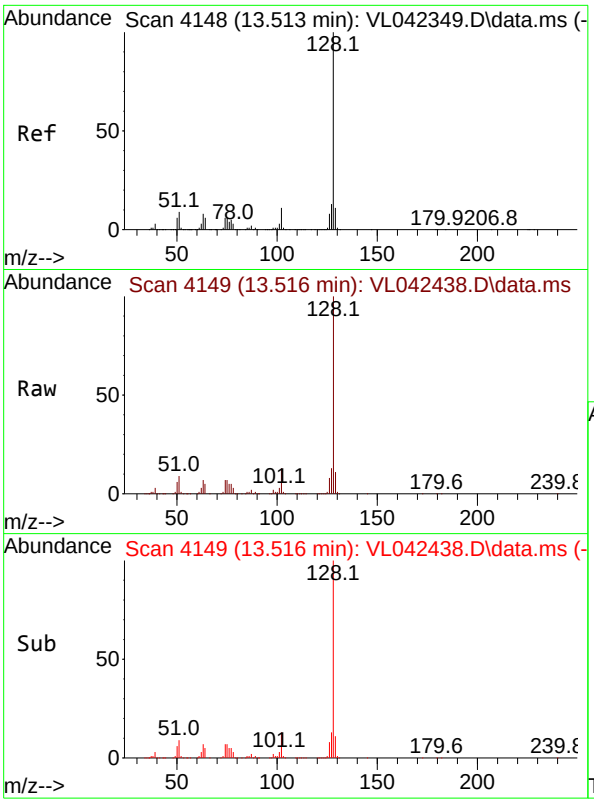


#78
Hexachloro-1,3-Butadiene
Concen: 9.977 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:225 Resp: 280954

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.3	75.5
227	61.9	51.5	77.3



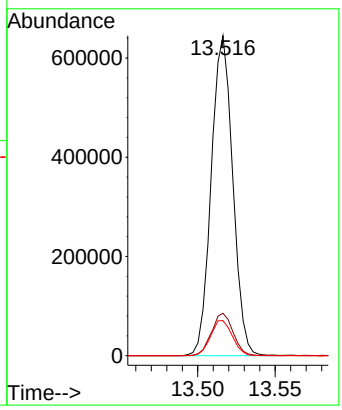


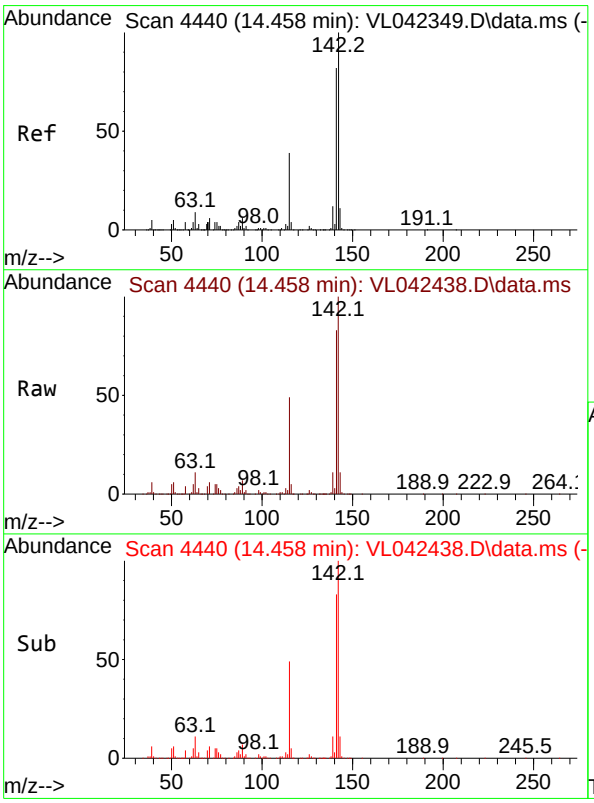
#79
Naphthalene
Concen: 9.425 ppbv
RT: 13.516 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:128 Resp: 621879

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.6	12.8

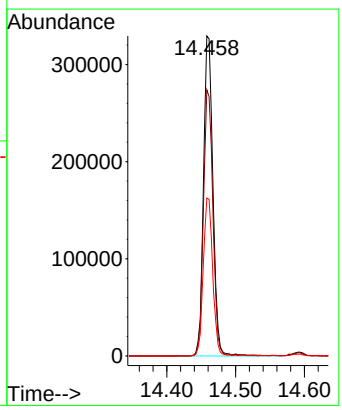


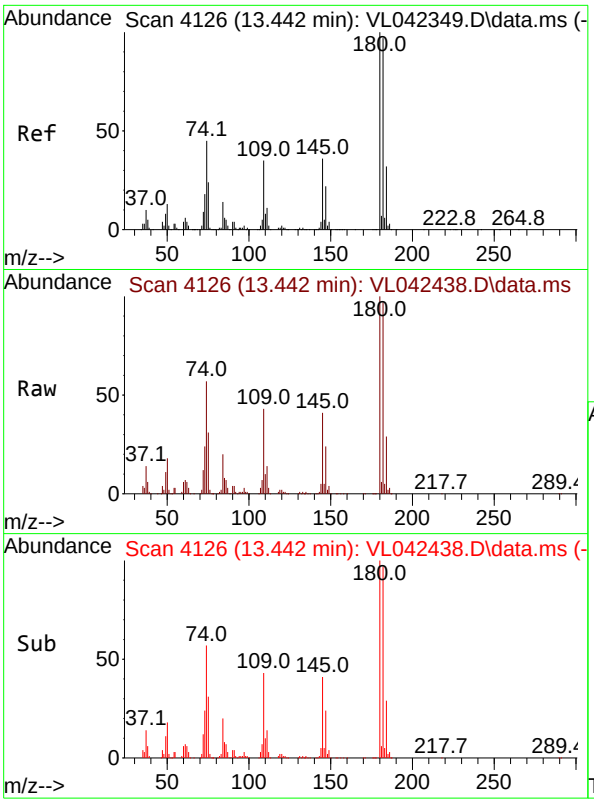


#80
Naphthalene,2-methyl-
Concen: 8.317 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:142 Resp: 312733

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.8	100.2
115	49.9	33.4	50.2



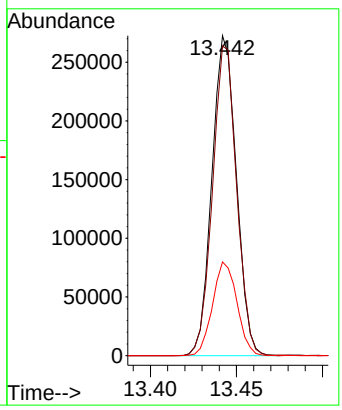


#81
1,2,4-Trichlorobenzene
Concen: 9.498 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion:180 Resp: 269082

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	29.3	24.6	36.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042439.D
Acq On : 29 Apr 2025 10:59
Operator : SY/MD
Sample : Q1880-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Quant Time: Apr 30 01:18:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

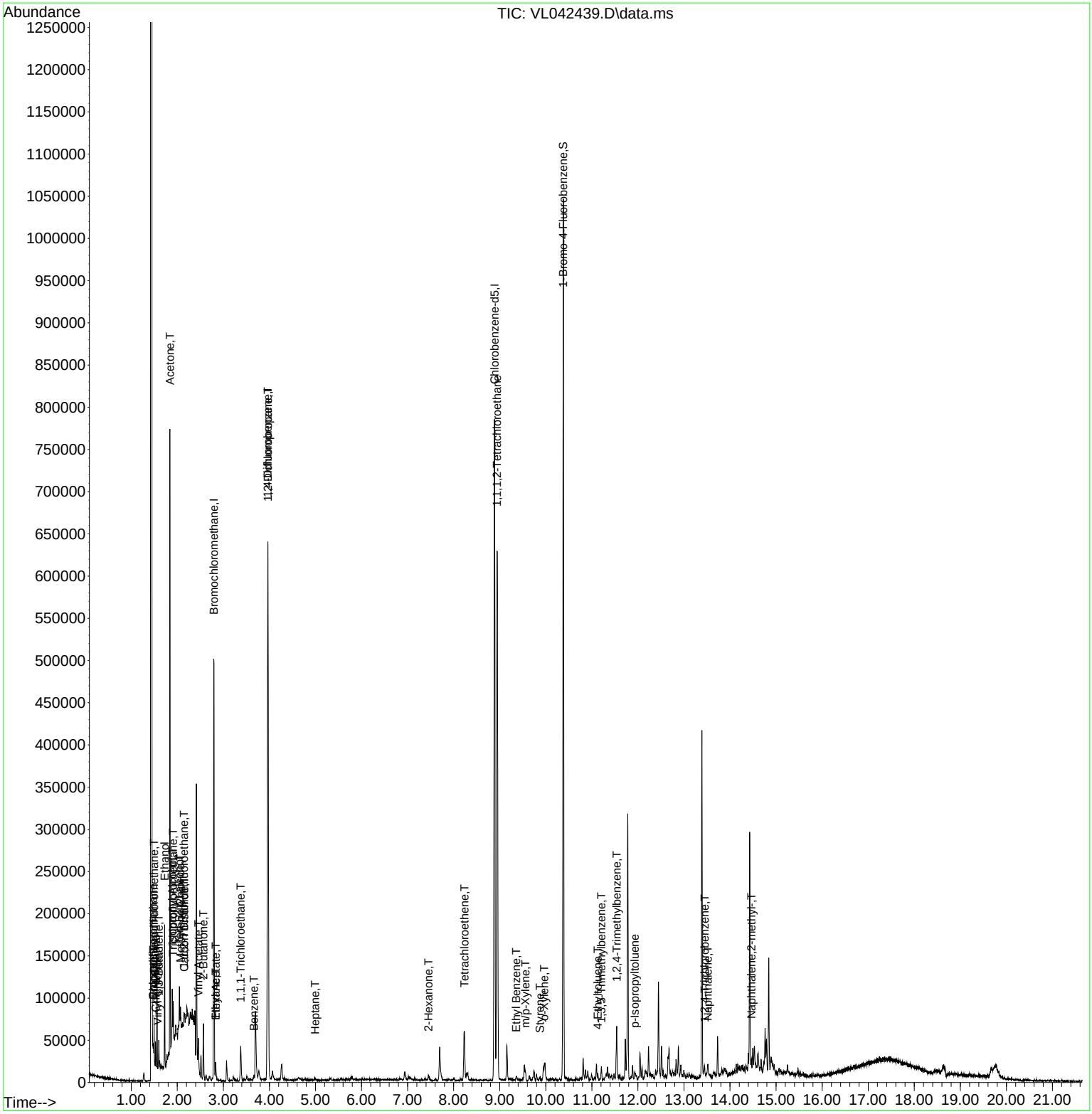
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.793	49	129626	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	347550	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	293308	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	256098	10.625	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.495	85	11170	0.488	ppbv		95
3) Chlorodifluoromethane	1.473	51	5284	0.242	ppbv	#	91
4) Chloromethane	1.531	50	354	0.039	ppbv	#	23
5) Vinyl Chloride	1.576	62	317	0.032	ppbv		98
9) Propene	1.482	41	2853	0.287	ppbv	#	81
10) Heptane	4.991	43	885	0.032	ppbv	#	74
11) Trichlorofluoromethane	1.910	101	1263	0.058	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.146	101	2300	0.129	ppbv	#	81
13) Ethanol	1.725	45	58438	37.019	ppbv		76
15) Acetone	1.838	43	290876	13.708	ppbv		99
16) 1,3-Butadiene	1.599	39	3758	0.370	ppbv	#	31
17) tert-Butyl alcohol	2.046	59	19996	0.760	ppbv		97
19) Isopropyl Alcohol	1.890	45	26482	2.247	ppbv	#	1
20) Methylene Chloride	2.068	84	3227	0.388	ppbv		85
23) Vinyl Acetate	2.460	43	20250	2.358	ppbv	#	86
25) Ethyl Acetate	2.835	43	4939	0.094	ppbv	#	80
26) Hexane	2.832	57	2836	0.134	ppbv	#	1
27) Carbon Disulfide	2.149	76	1305	0.058	ppbv	#	30
32) 1,1,1-Trichloroethane	3.376	97	15446	0.458	ppbv		91
34) 2-Butanone	2.567	43	35126	1.278	ppbv		97
36) Benzene	3.667	78	2454	0.065	ppbv	#	82
39) 1,2-Dichloropropane	3.968	63	100054	7.162	ppbv	#	22
51) 2-Hexanone	7.454	43	1924	0.047	ppbv	#	50
52) Tetrachloroethene	8.234	164	3914	0.270	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.943	131	2191	0.123	ppbv	#	1
58) Ethyl Benzene	9.357	91	3157	0.054	ppbv	#	83
59) m/p-Xylene	9.558	91	2118	0.045	ppbv	#	32
60) o-Xylene	9.966	91	4784	0.101	ppbv		97
61) Styrene	9.872	104	837	0.037	ppbv	#	88
69) p-Isopropyltoluene	11.930	119	2822	0.037	ppbv		96
72) 4-Ethyltoluene	11.131	105	1735	0.030	ppbv	#	52
73) 1,3,5-Trimethylbenzene	11.209	105	4719	0.093	ppbv		93
74) 1,2,4-Trimethylbenzene	11.539	105	19318	0.325	ppbv	#	63
79) Naphthalene	13.516	128	4212	0.059	ppbv	#	90
80) Naphthalene,2-methyl-	14.468	142	2990	0.074	ppbv	#	76
81) 1,2,4-Trichlorobenzene	13.448	180	1191	0.039	ppbv	#	72

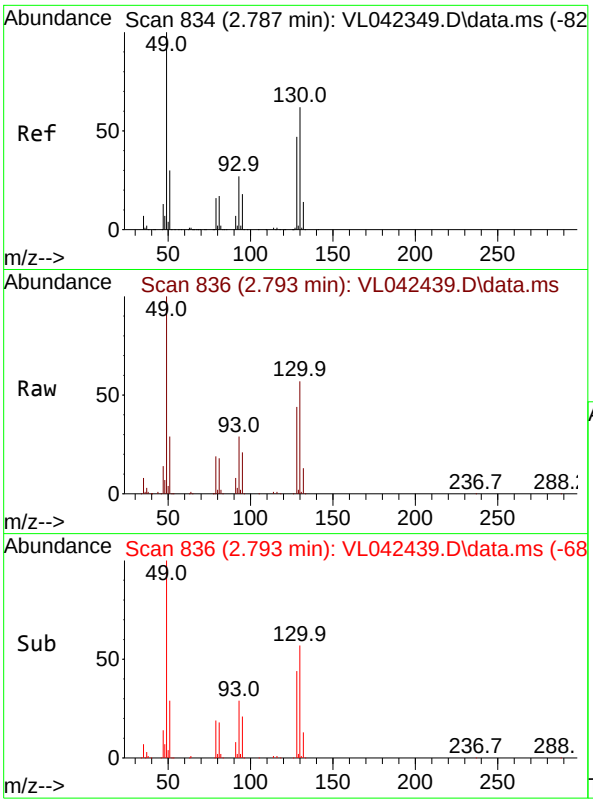
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042439.D
Acq On : 29 Apr 2025 10:59
Operator : SY/MD
Sample : Q1880-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Quant Time: Apr 30 01:18:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



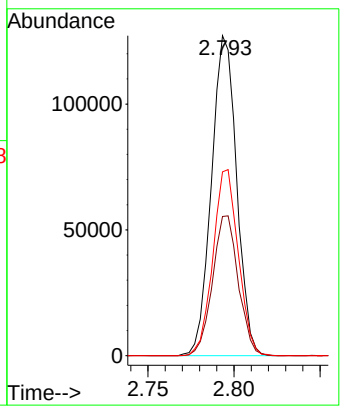


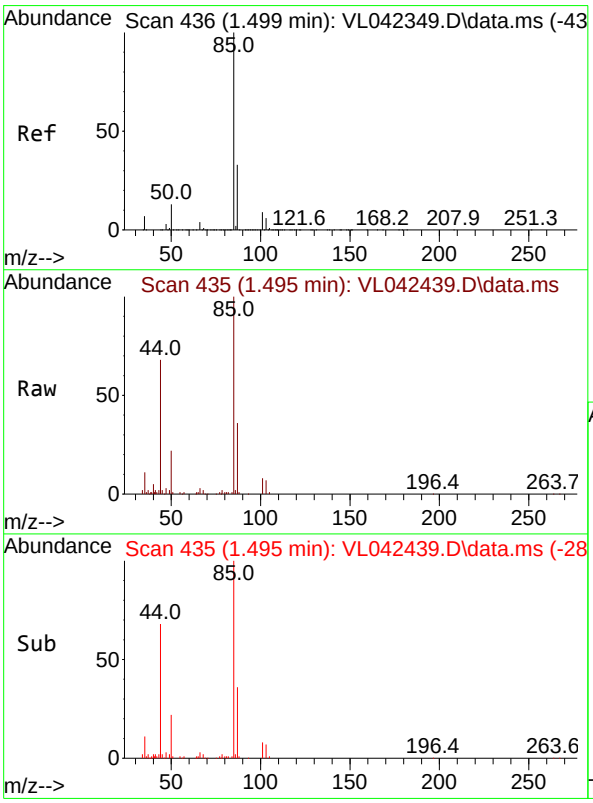
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 49 Resp: 129626

Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.8	68.4
130	58.4	29.3	88.0

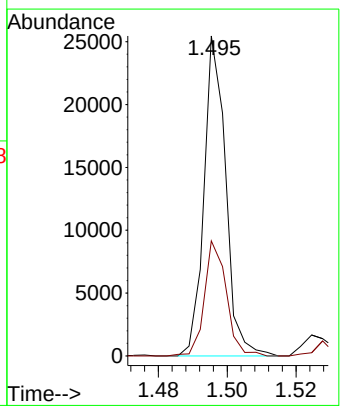


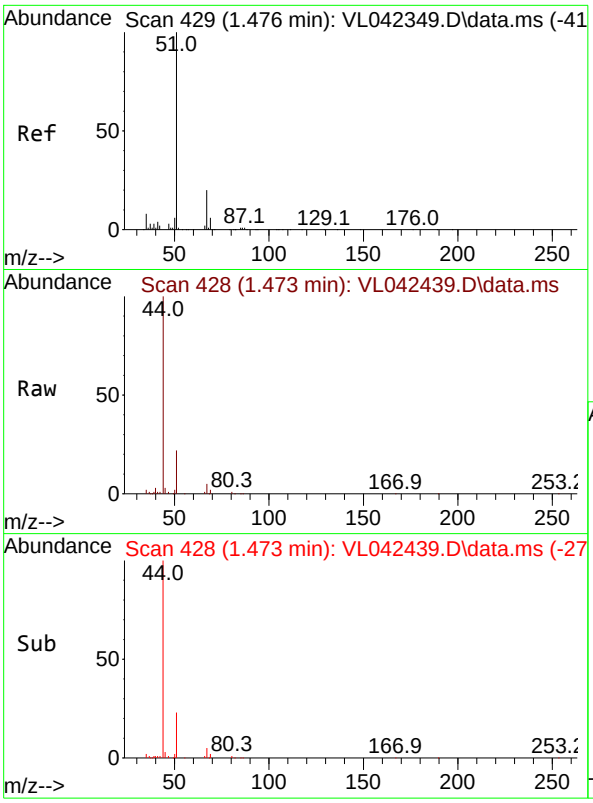


#2
Dichlorodifluoromethane
Concen: 0.488 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 85 Resp: 11170

Ion	Ratio	Lower	Upper
85	100		
87	36.0	26.6	39.8



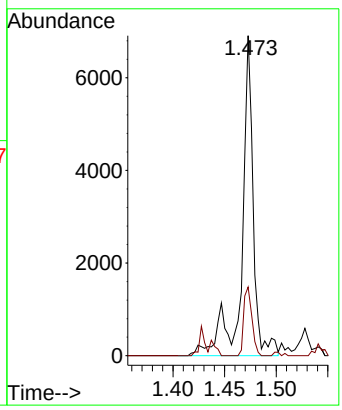


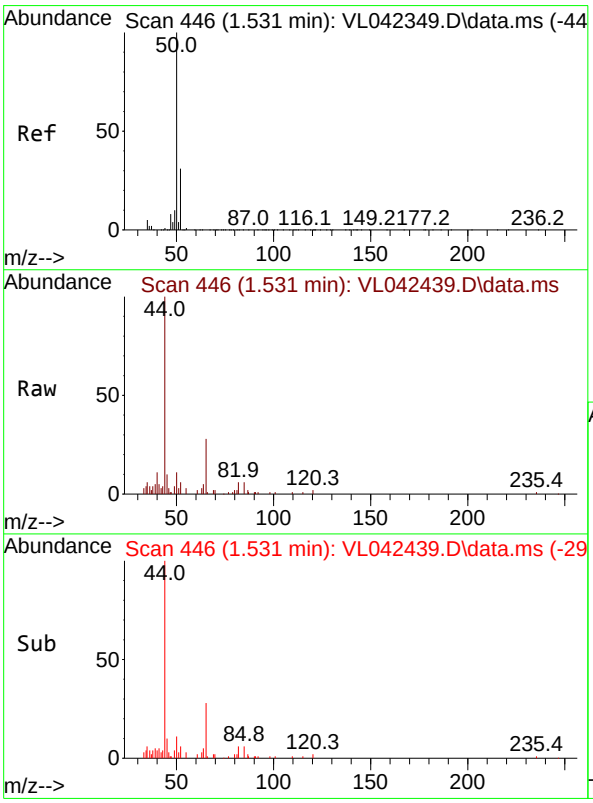
#3
Chlorodifluoromethane
Concen: 0.242 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 51 Resp: 5284

Ion	Ratio	Lower	Upper
51	100		
67	16.1	16.2	24.4#

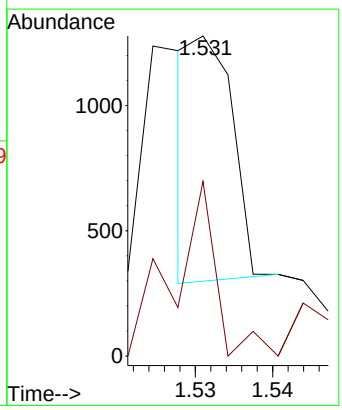


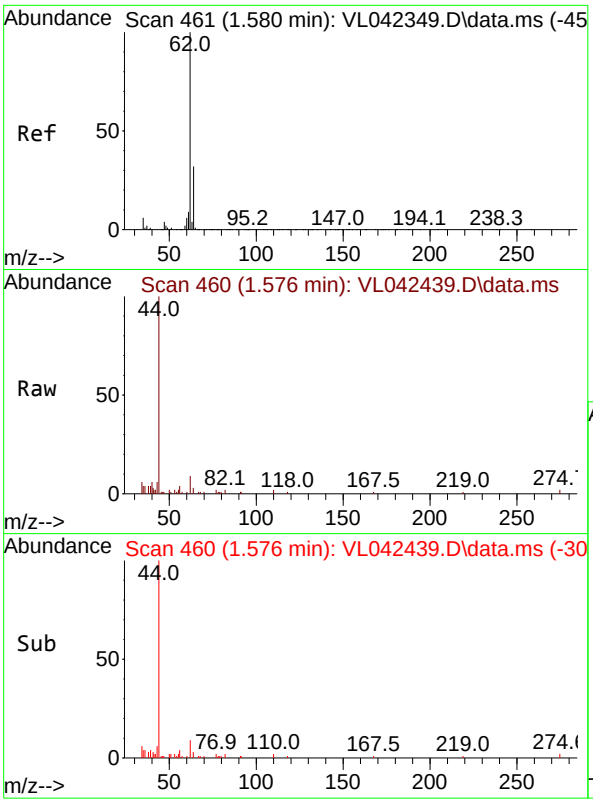


#4
Chloromethane
Concen: 0.039 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 50 Resp: 354

Ion	Ratio	Lower	Upper
50	100		
52	73.2	24.7	37.1#



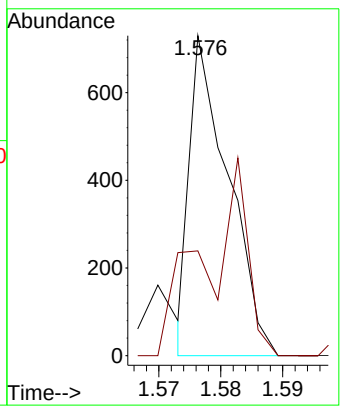


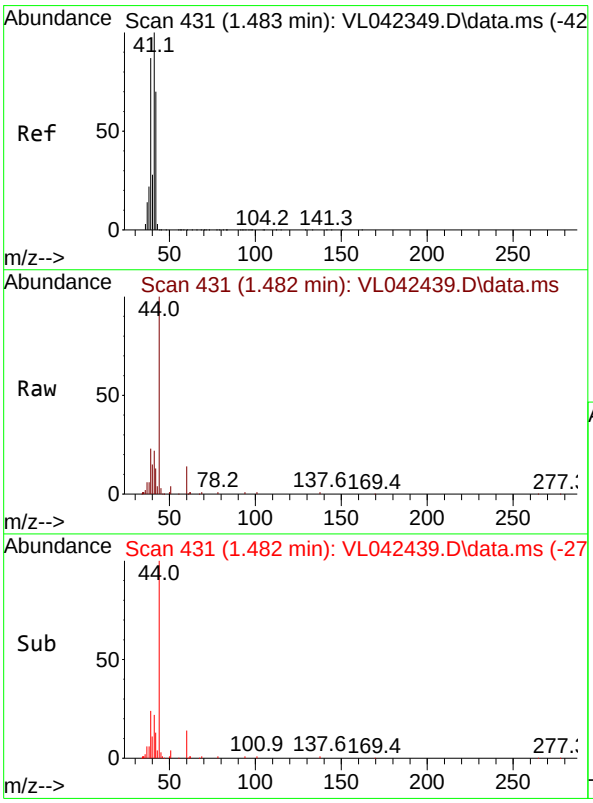
#5
Vinyl Chloride
Concen: 0.032 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 62 Resp: 317

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.4	38.0

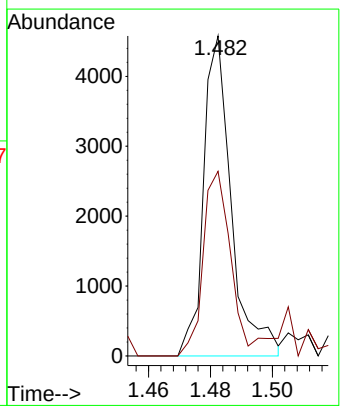


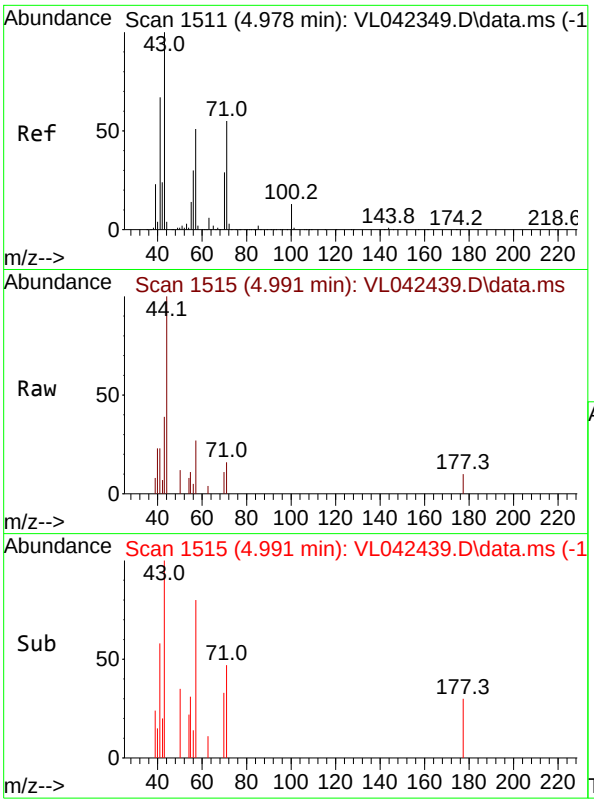


#9
Propene
Concen: 0.287 ppbv
RT: 1.482 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 41 Resp: 2853

Ion	Ratio	Lower	Upper
41	100		
42	86.0	56.2	84.4#



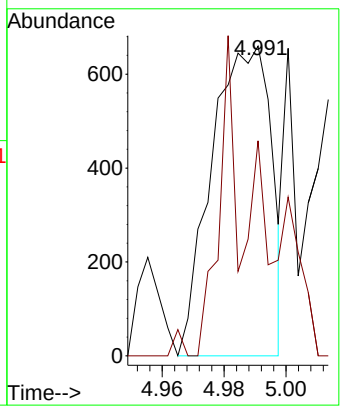


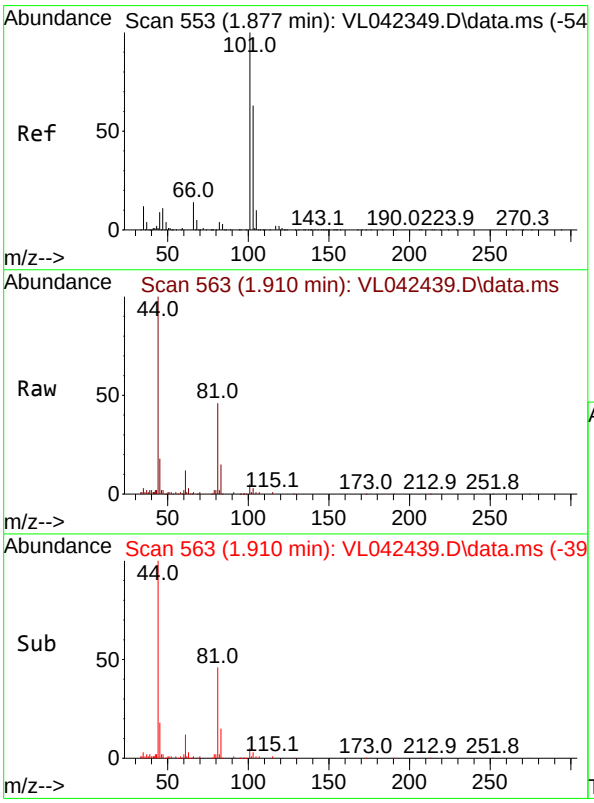
#10
Heptane
Concen: 0.032 ppbv
RT: 4.991 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 43 Resp: 885

Ion	Ratio	Lower	Upper
43	100		
57	68.0	39.9	59.9#

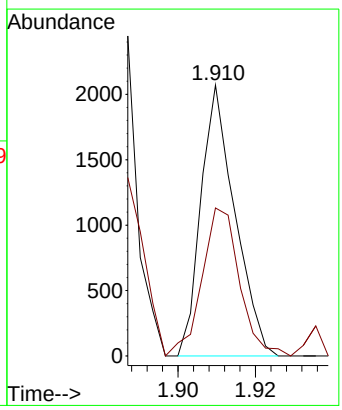


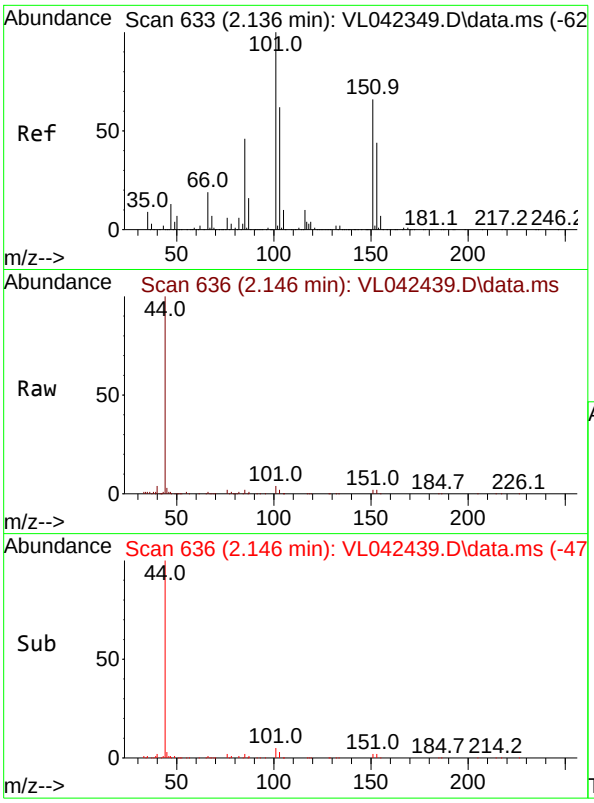


#11
Trichlorofluoromethane
Concen: 0.058 ppbv
RT: 1.910 min Scan# 563
Delta R.T. 0.032 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:101 Resp: 1263

Ion	Ratio	Lower	Upper
101	100		
103	52.0	50.1	75.1



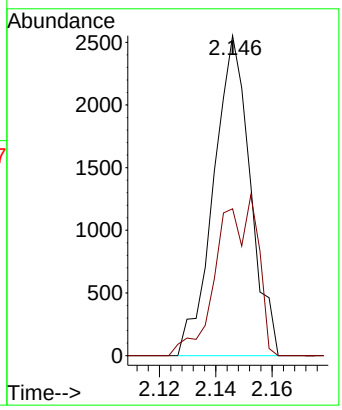


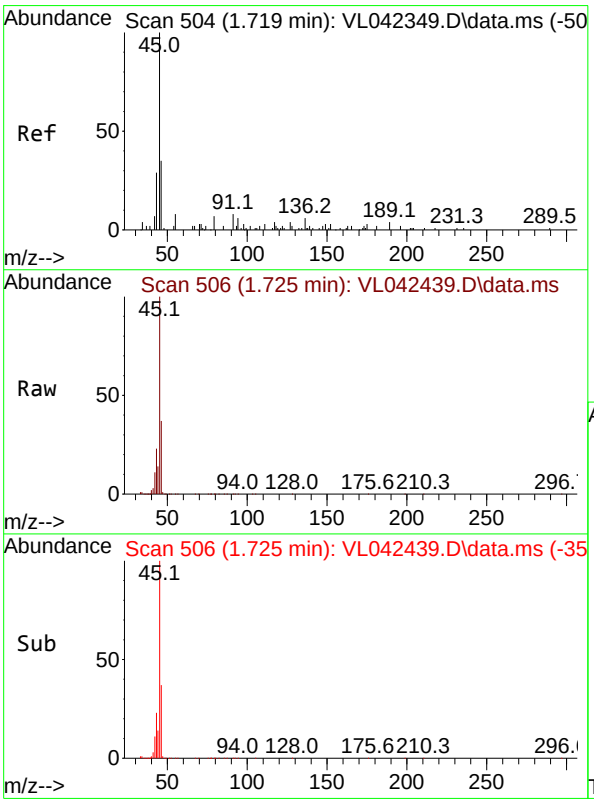
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.129 ppbv
RT: 2.146 min Scan# 6
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion:101 Resp: 2300

Ion	Ratio	Lower	Upper
101	100		
151	55.5	57.0	85.6#

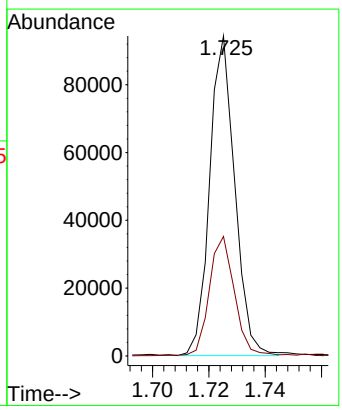


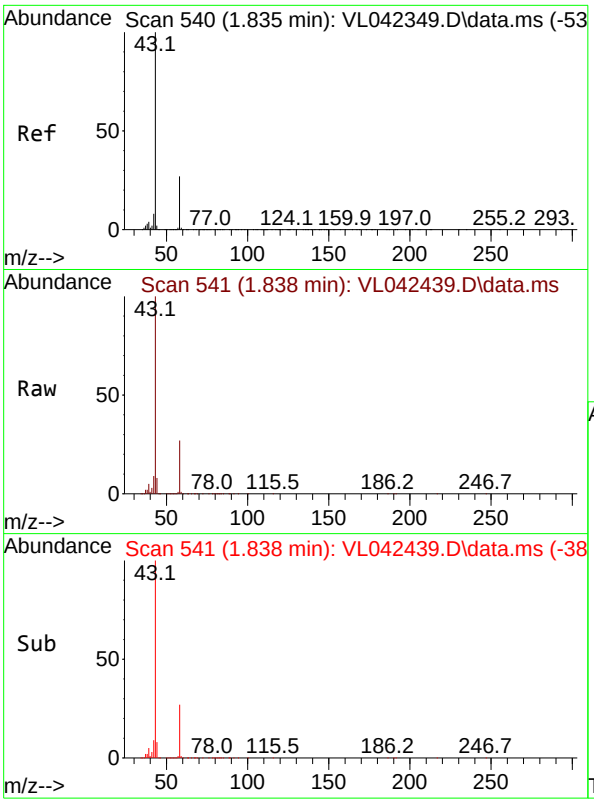


#13
Ethanol
Concen: 37.019 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 45 Resp: 58438

Ion	Ratio	Lower	Upper
45	100		
46	37.5	21.9	87.7



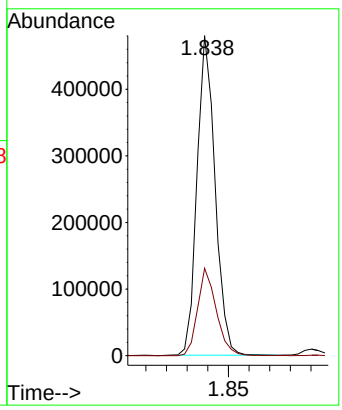


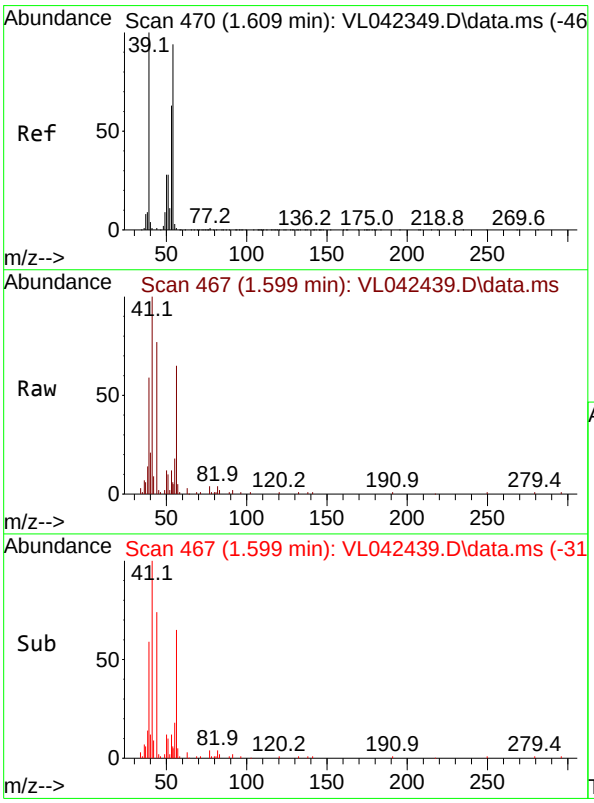
#15
Acetone
Concen: 13.708 ppbv
RT: 1.838 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 43 Resp: 290876

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6

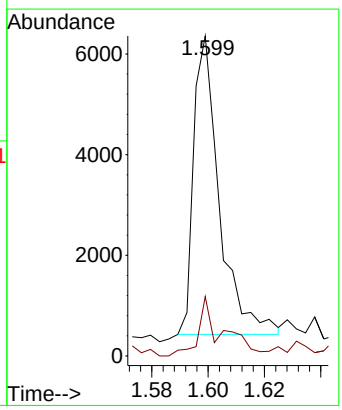


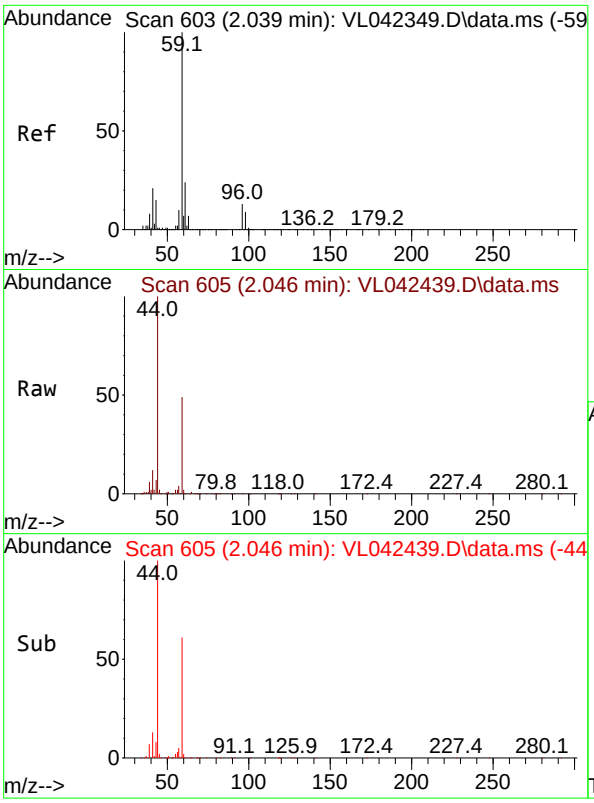


#16
1,3-Butadiene
Concen: 0.370 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 39 Resp: 3758

Ion	Ratio	Lower	Upper
39	100		
54	19.5	64.9	97.3#



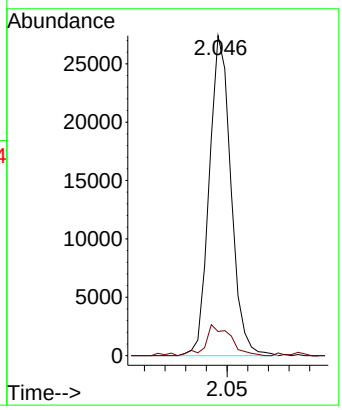


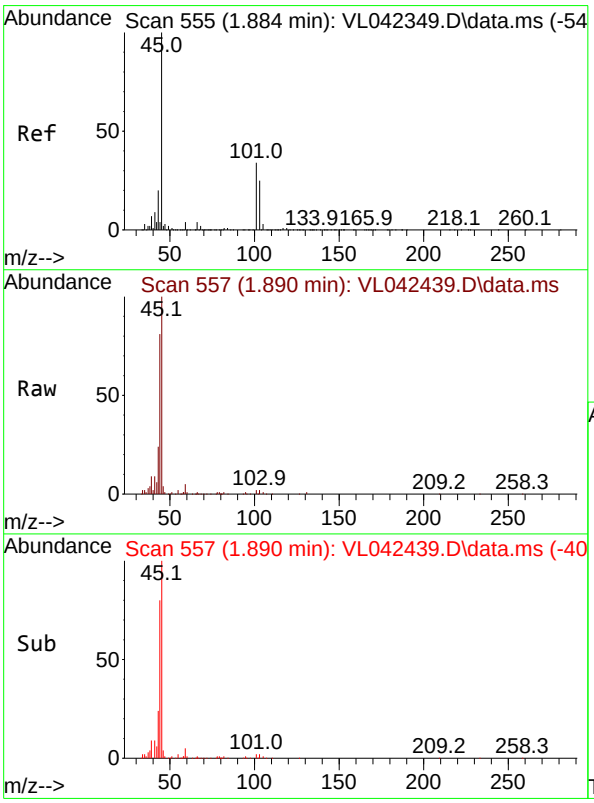
#17
tert-Butyl alcohol
Concen: 0.760 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 59 Resp: 19996

Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.7	13.1

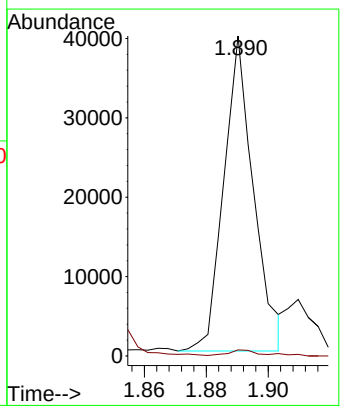


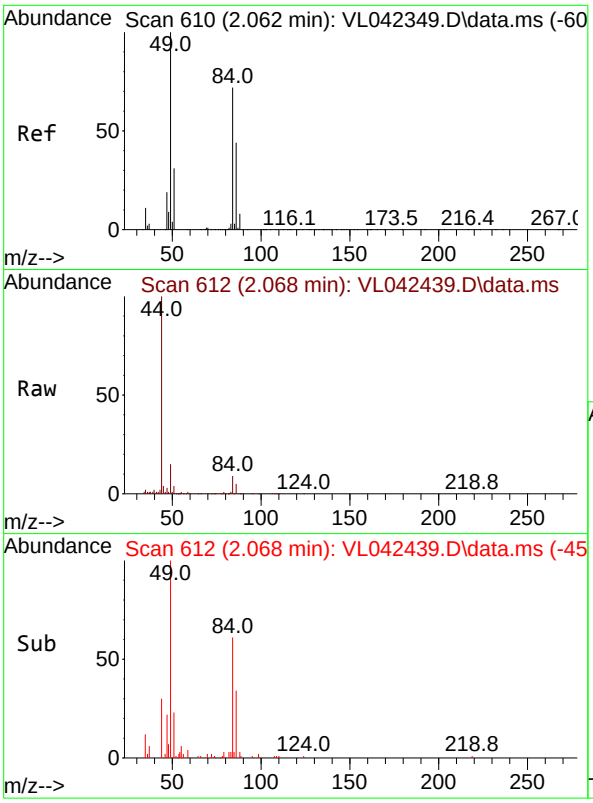


#19
Isopropyl Alcohol
Concen: 2.247 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 45 Resp: 26482

Ion	Ratio	Lower	Upper
45	100		
58	312.1	34.5	51.7#



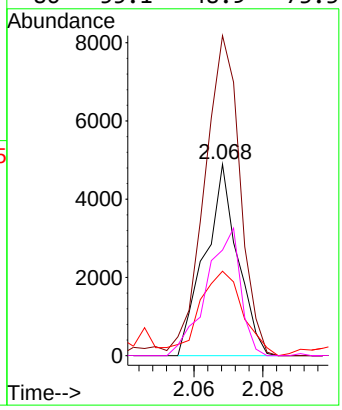


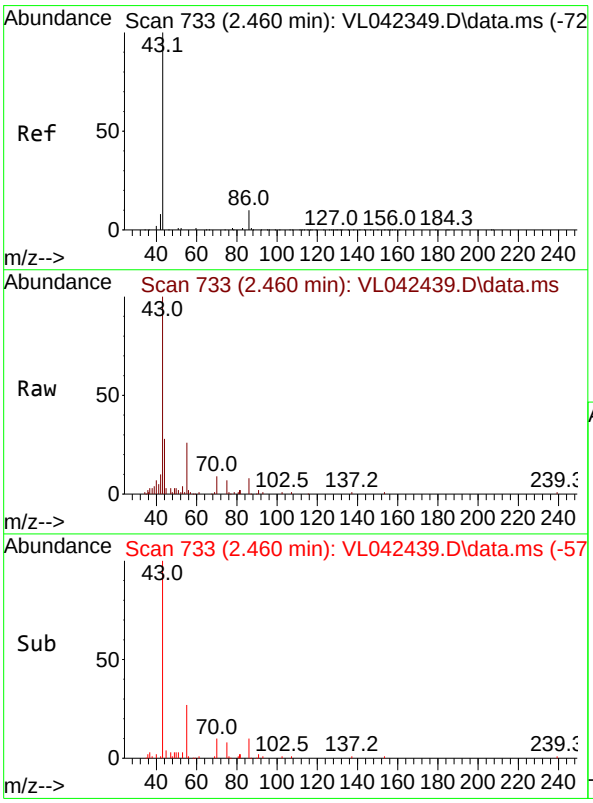
#20
Methylene Chloride
Concen: 0.388 ppbv
RT: 2.068 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 84 Resp: 3227

Ion	Ratio	Lower	Upper
84	100		
49	167.2	111.6	167.4
51	44.1	35.1	52.7
86	55.1	48.9	73.3

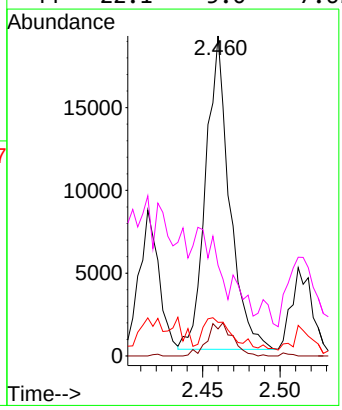


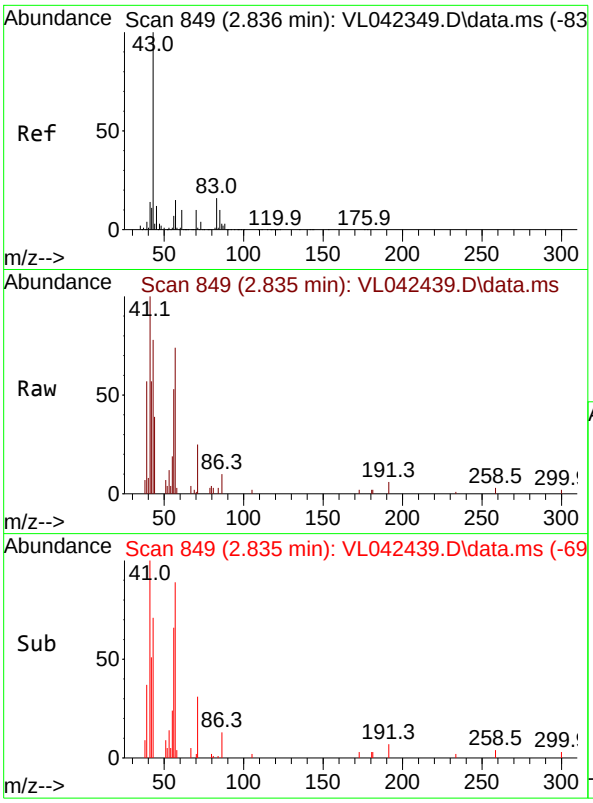


#23
Vinyl Acetate
Concen: 2.358 ppbv
RT: 2.460 min Scan# 733
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 43 Resp: 20250

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.5	9.7
42	8.8	7.8	11.8
44	22.1	5.0	7.6#



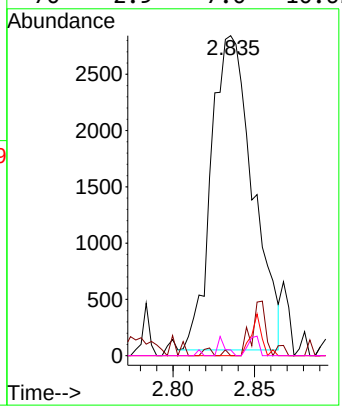


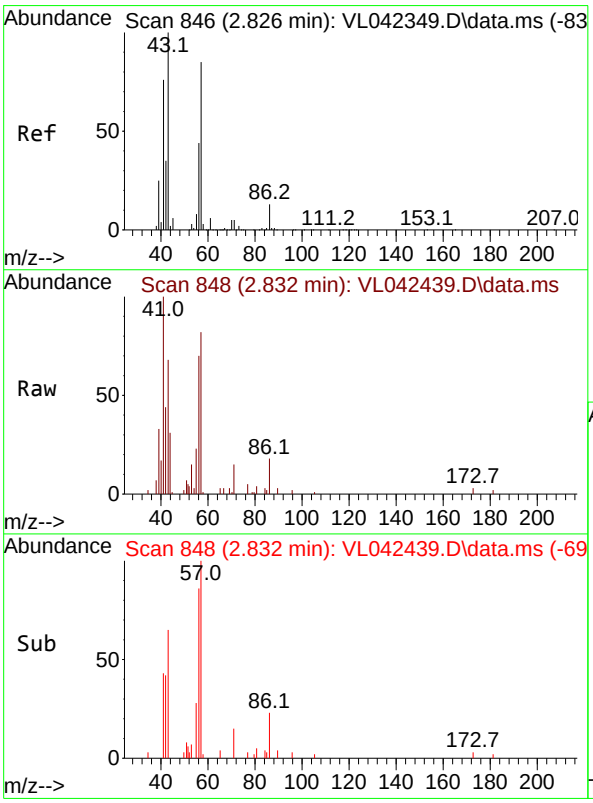
#25
Ethyl Acetate
Concen: 0.094 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 43 Resp: 4939

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	3.4	7.3	10.9#
70	2.9	7.0	10.6#

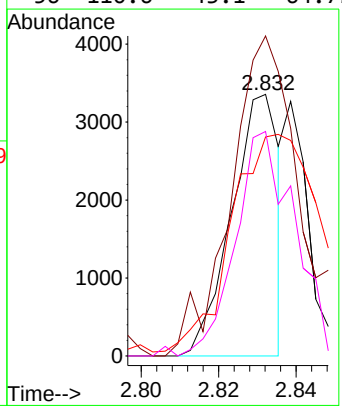


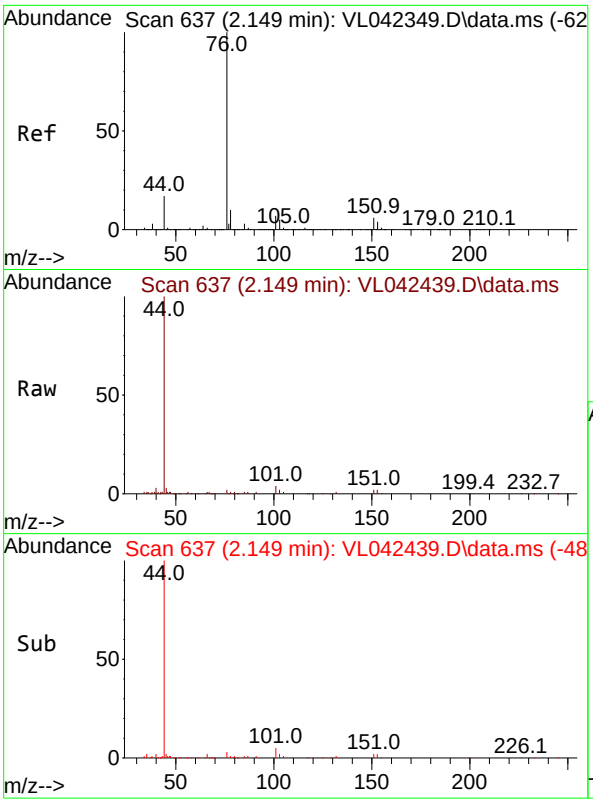


#26
Hexane
Concen: 0.134 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 57 Resp: 2836

Ion	Ratio	Lower	Upper
57	100		
41	190.4	77.9	116.9#
43	0.0	208.4	312.6#
56	110.6	43.1	64.7#



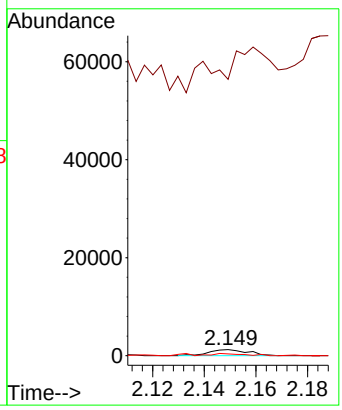


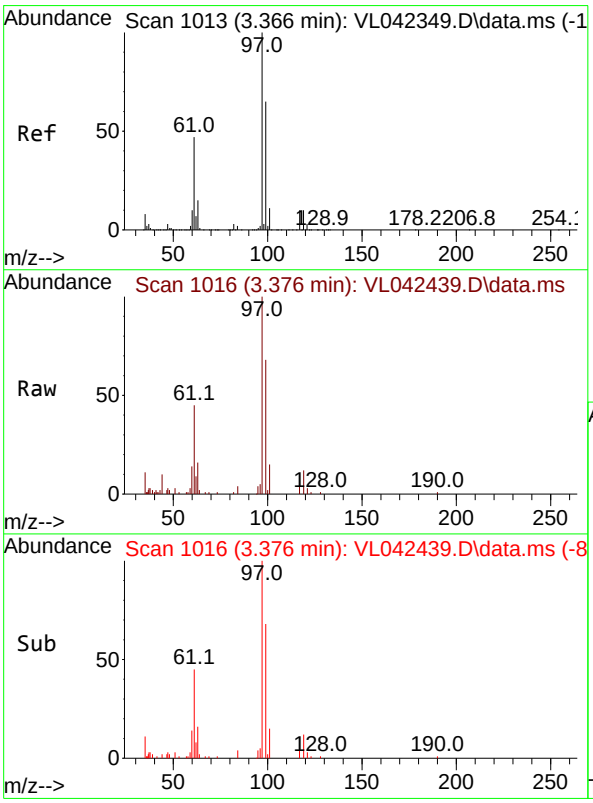
#27
Carbon Disulfide
Concen: 0.058 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 76 Resp: 1305

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.5	23.3#
78	56.0	9.3	13.9#

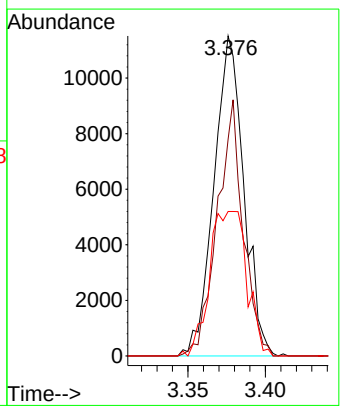


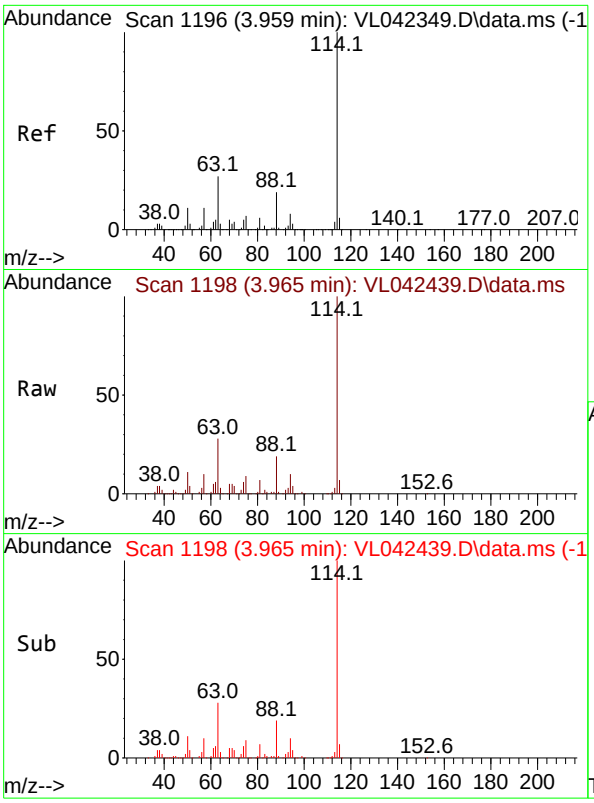


#32
1,1,1-Trichloroethane
Concen: 0.458 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 97 Resp: 15446

Ion	Ratio	Lower	Upper
97	100		
99	69.7	51.0	76.4
61	56.4	38.8	58.2



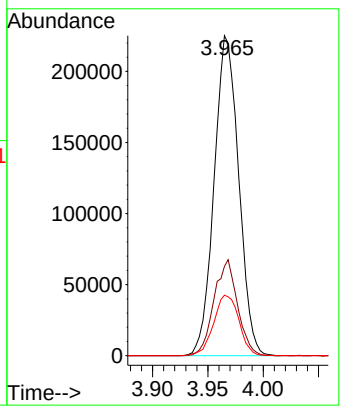


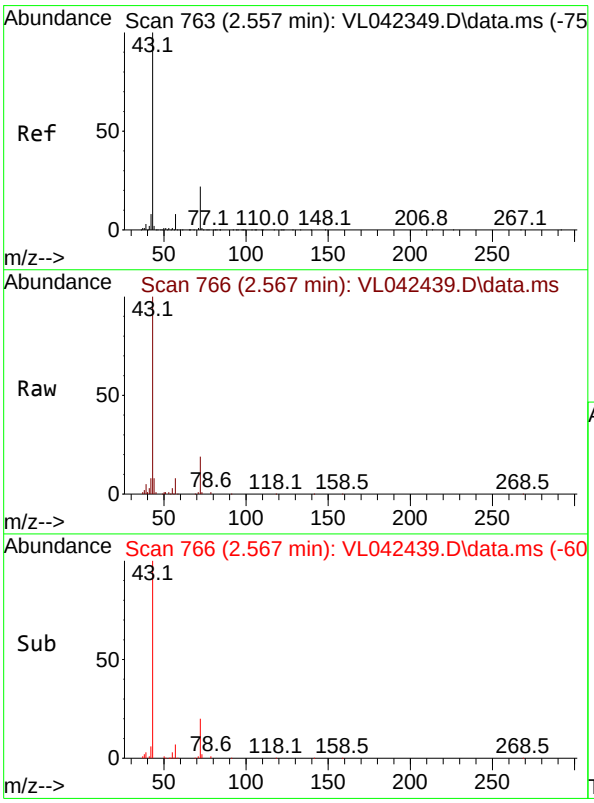
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion:114 Resp: 347550

Ion	Ratio	Lower	Upper
114	100		
63	28.8	21.8	32.6
88	19.5	15.5	23.3

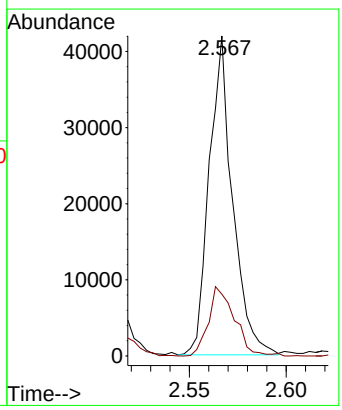


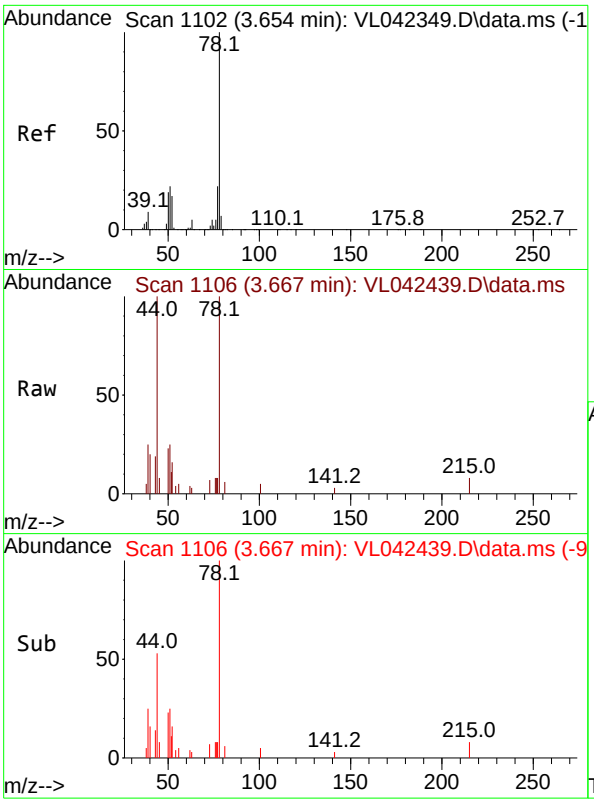


#34
2-Butanone
Concen: 1.278 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 43 Resp: 35126

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.2	27.2



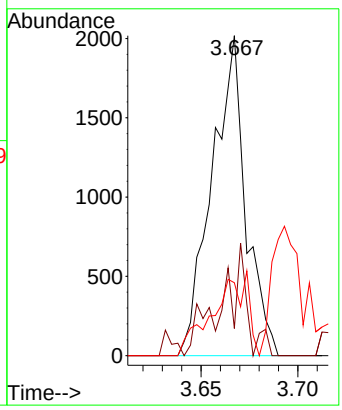


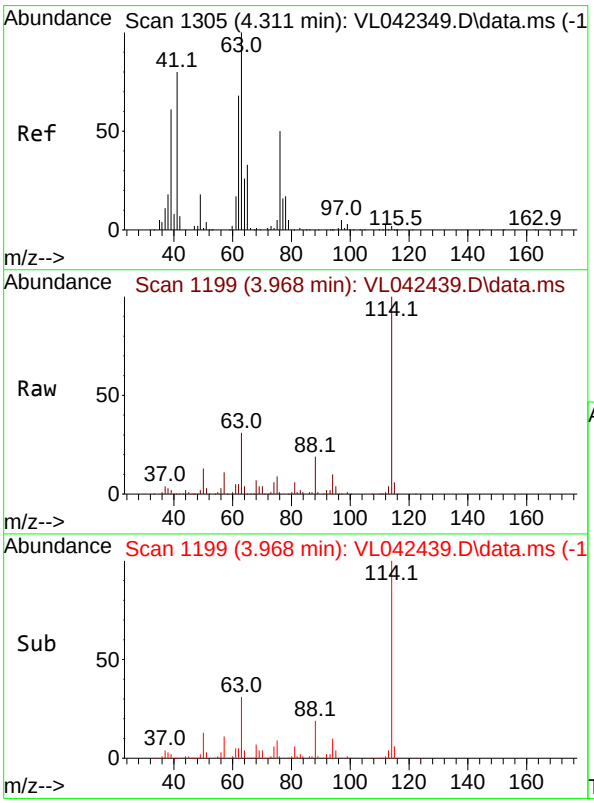
#36
Benzene
Concen: 0.065 ppbv
RT: 3.667 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 78 Resp: 2454

Ion	Ratio	Lower	Upper
78	100		
77	8.5	17.4	26.0#
50	22.8	15.5	23.3

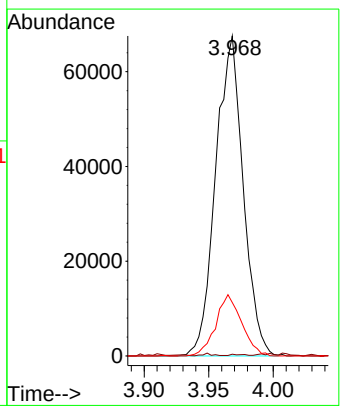


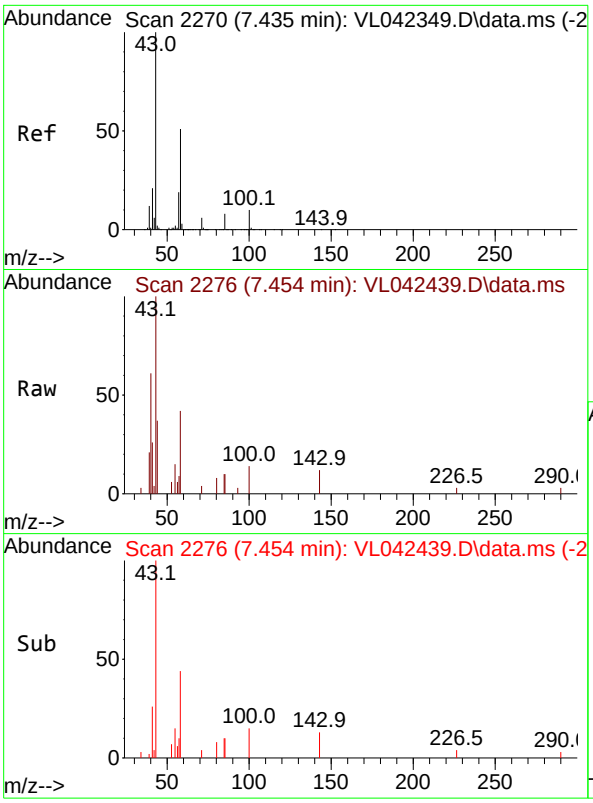


#39
1,2-Dichloropropane
Concen: 7.162 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.343 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 63 Resp: 100054

Ion	Ratio	Lower	Upper
63	100		
41	0.3	64.2	96.2#
62	16.7	54.3	81.5#



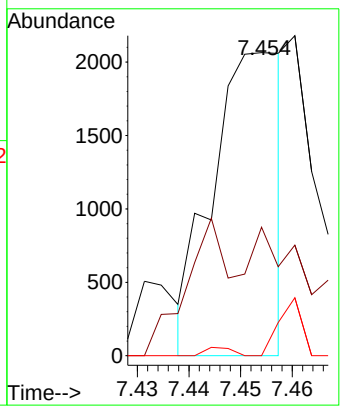


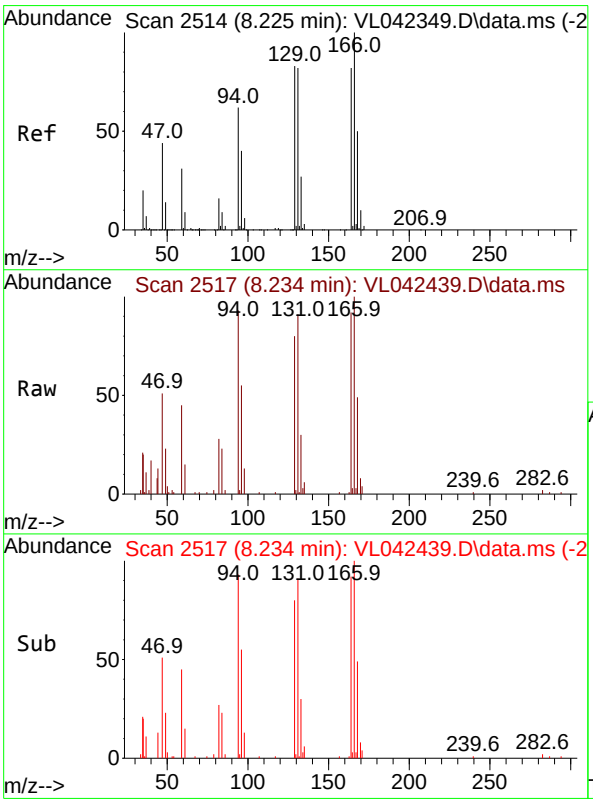
#51
2-Hexanone
Concen: 0.047 ppbv
RT: 7.454 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 43 Resp: 1924

Ion	Ratio	Lower	Upper
43	100		
58	84.7	40.2	60.4#
98	0.0	0.1	0.1#

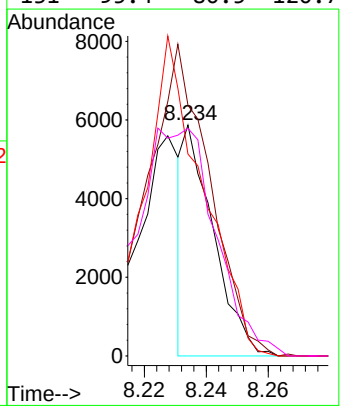


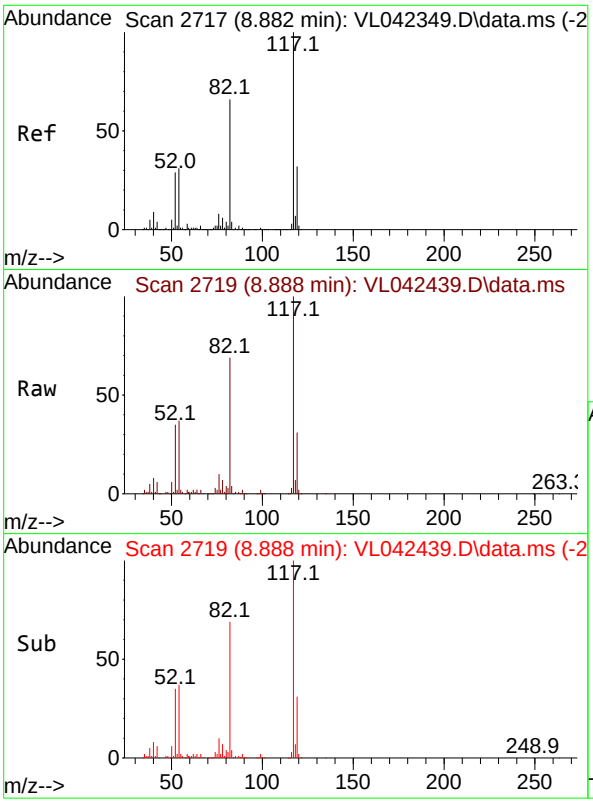


#52
Tetrachloroethene
Concen: 0.270 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:164 Resp: 3914

Ion	Ratio	Lower	Upper
164	100		
166	108.6	98.2	147.2
129	89.9	81.8	122.8
131	95.4	80.5	120.7



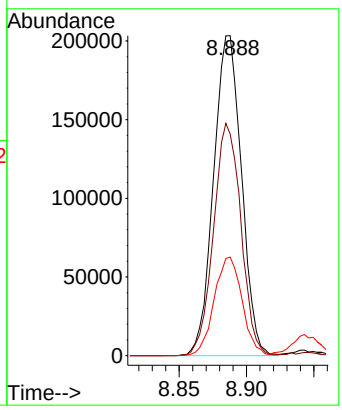


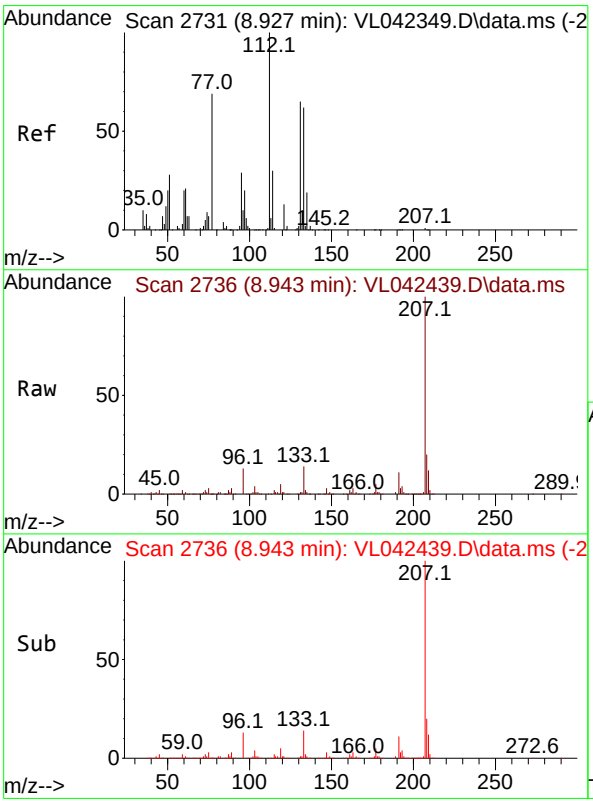
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion:117 Resp: 293308

Ion	Ratio	Lower	Upper
117	100		
82	71.3	57.8	86.6
119	30.9	25.2	37.8

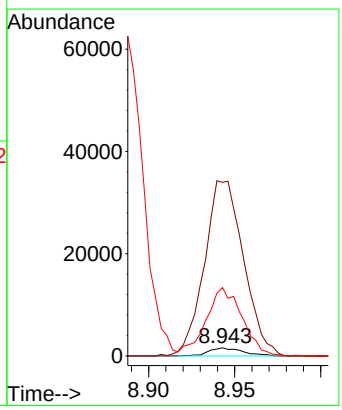


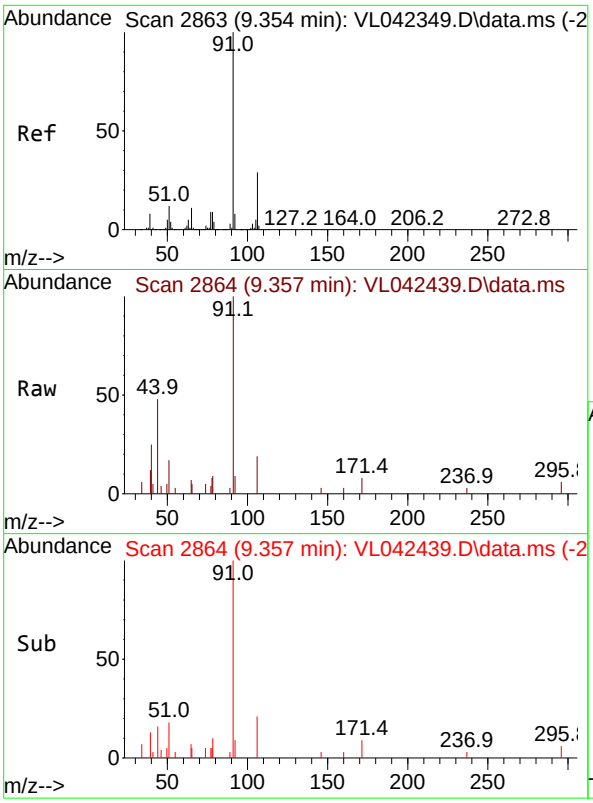


#56
1,1,1,2-Tetrachloroethane
Concen: 0.123 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.016 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:131 Resp: 2191

Ion	Ratio	Lower	Upper
131	100		
133	2486.0	78.3	117.5#
119	896.9	48.7	73.1#



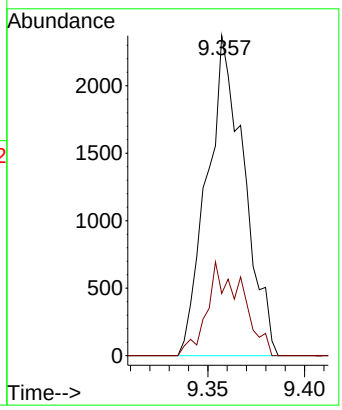


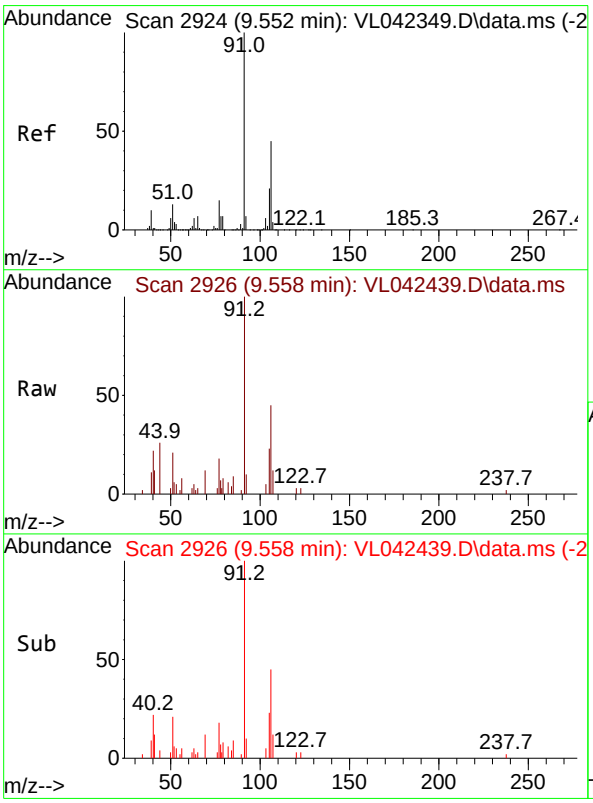
#58
Ethyl Benzene
Concen: 0.054 ppbv
RT: 9.357 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 91 Resp: 3157

Ion	Ratio	Lower	Upper
91	100		
106	19.4	23.0	34.4#

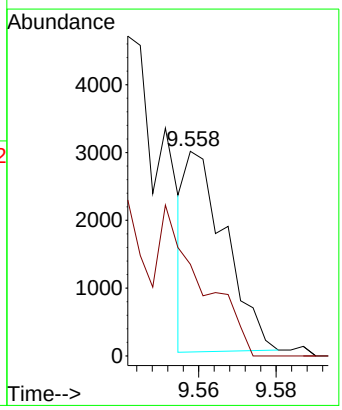


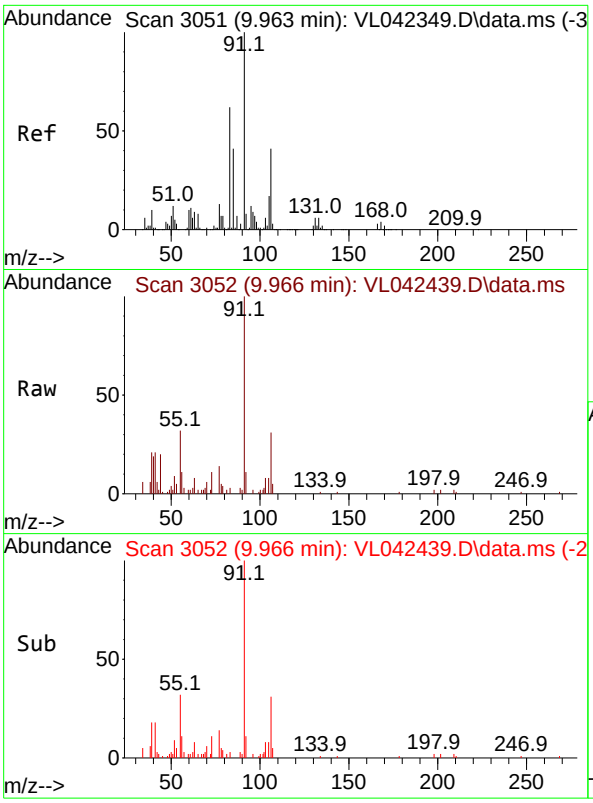


#59
m/p-Xylene
Concen: 0.045 ppbv
RT: 9.558 min Scan# 2926
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion: 91 Resp: 2118

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



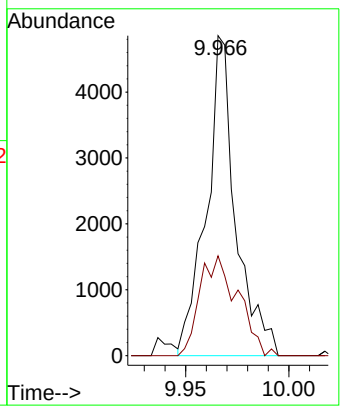


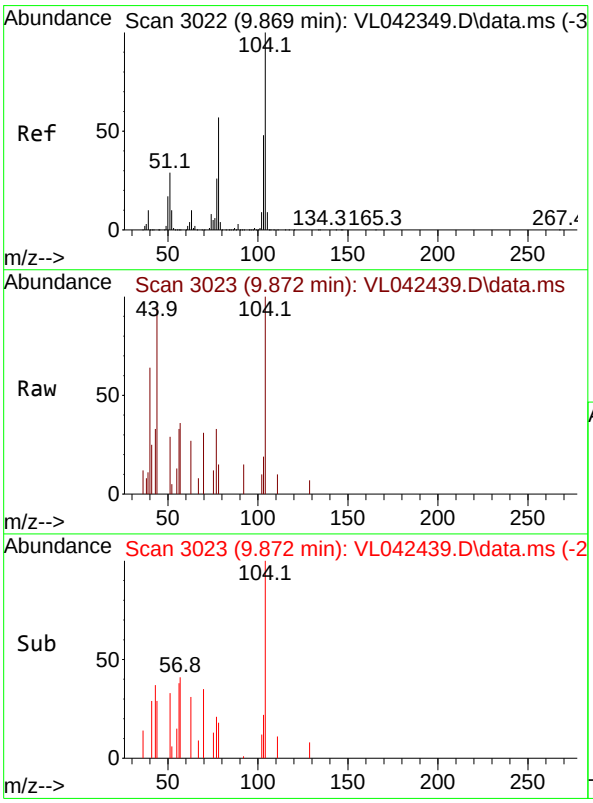
#60
o-Xylene
Concen: 0.101 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 91 Resp: 4784

Ion	Ratio	Lower	Upper
91	100		
106	40.7	21.1	63.4

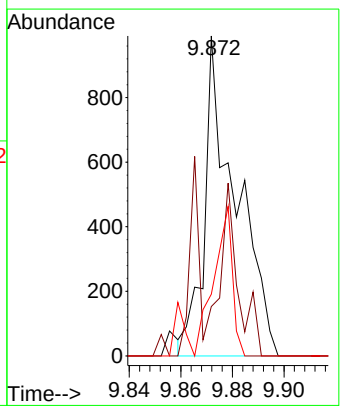


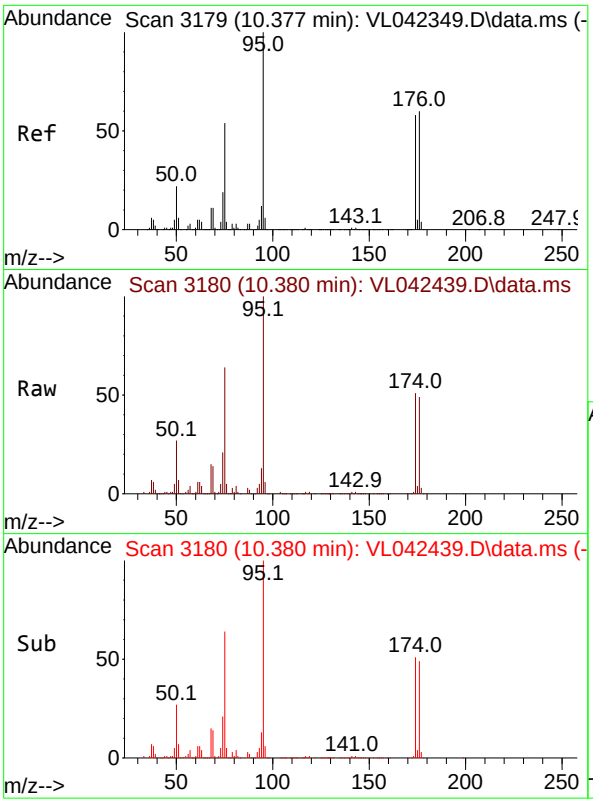


#61
Styrene
Concen: 0.037 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:104 Resp: 837

Ion	Ratio	Lower	Upper
104	100		
78	52.6	44.6	66.8
103	33.2	37.4	56.0#



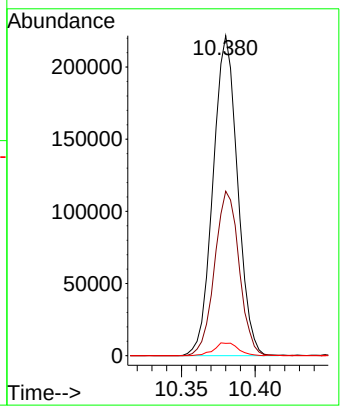


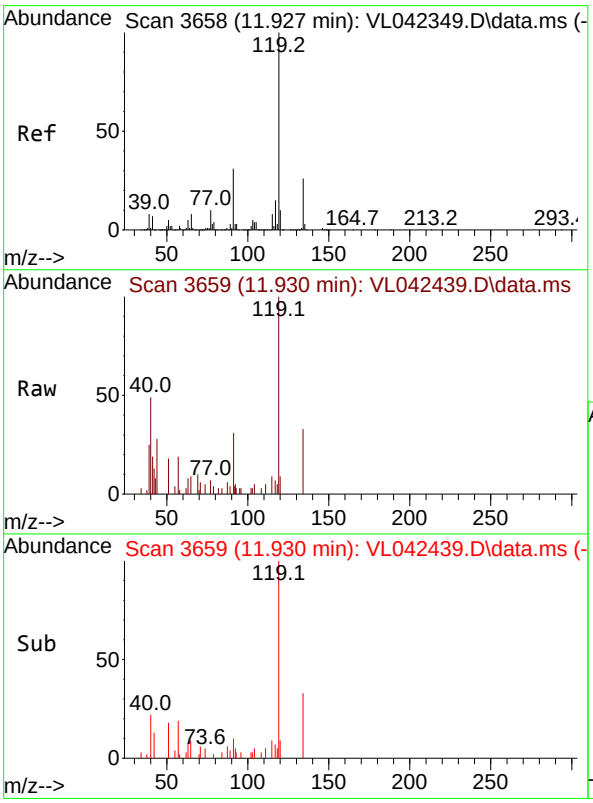
#68
1-Bromo-4-Fluorobenzene
Concen: 10.625 ppbv
RT: 10.380 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion: 95 Resp: 256098

Ion	Ratio	Lower	Upper
95	100		
174	51.6	48.5	72.7
175	4.0	3.7	5.5

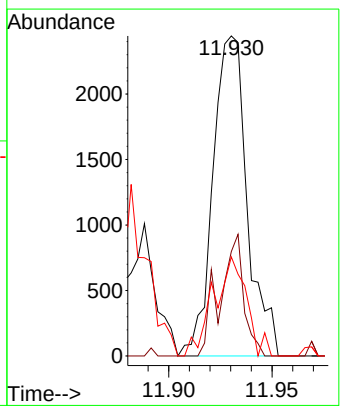


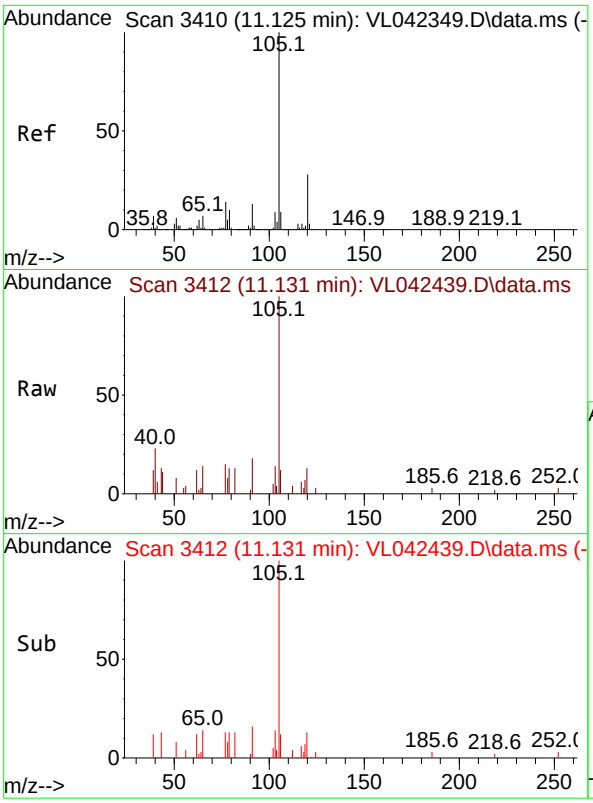


#69
p-Isopropyltoluene
Concen: 0.037 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:119 Resp: 2822

Ion	Ratio	Lower	Upper
119	100		
134	28.0	20.0	30.0
91	28.9	24.4	36.6



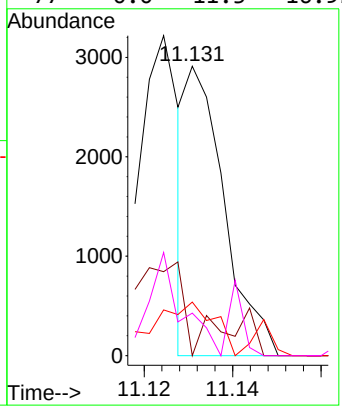


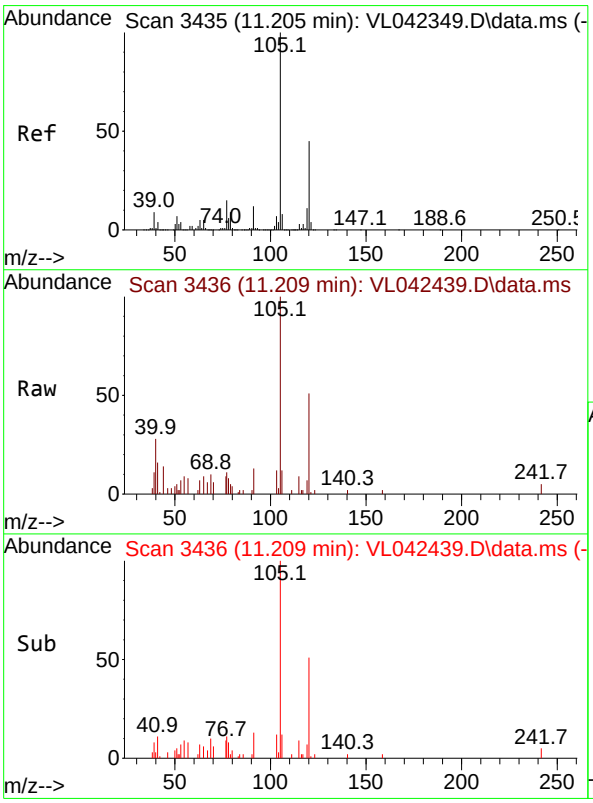
#72
4-Ethyltoluene
Concen: 0.030 ppbv
RT: 11.131 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion:105 Resp: 1735

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	32.7	10.4	15.6#
77	0.0	11.3	16.9#

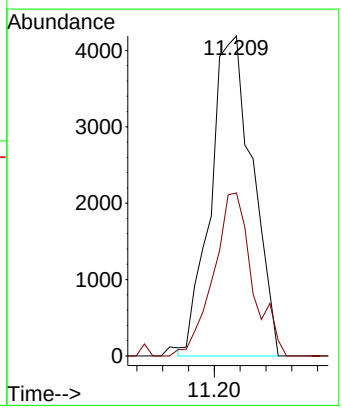


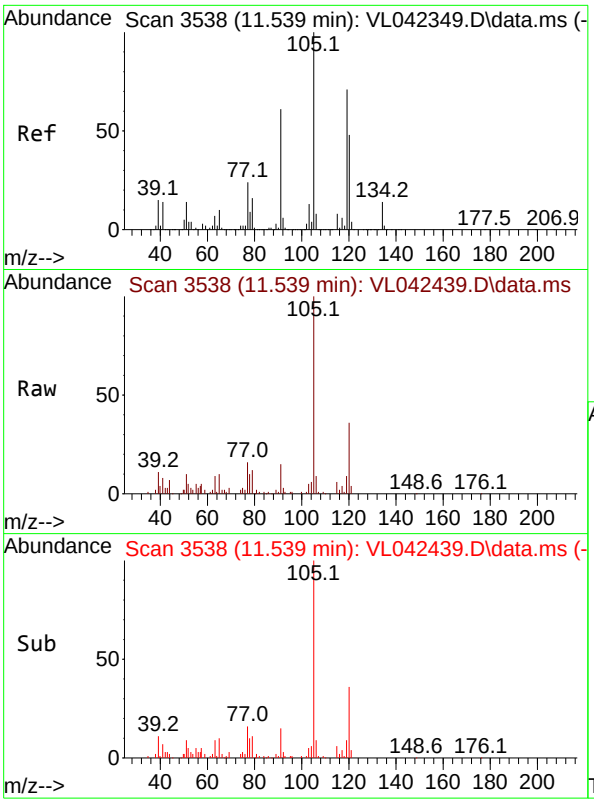


#73
1,3,5-Trimethylbenzene
Concen: 0.093 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:105 Resp: 4719

Ion	Ratio	Lower	Upper
105	100		
120	49.0	35.6	53.4



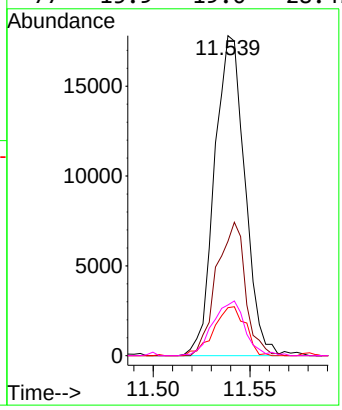


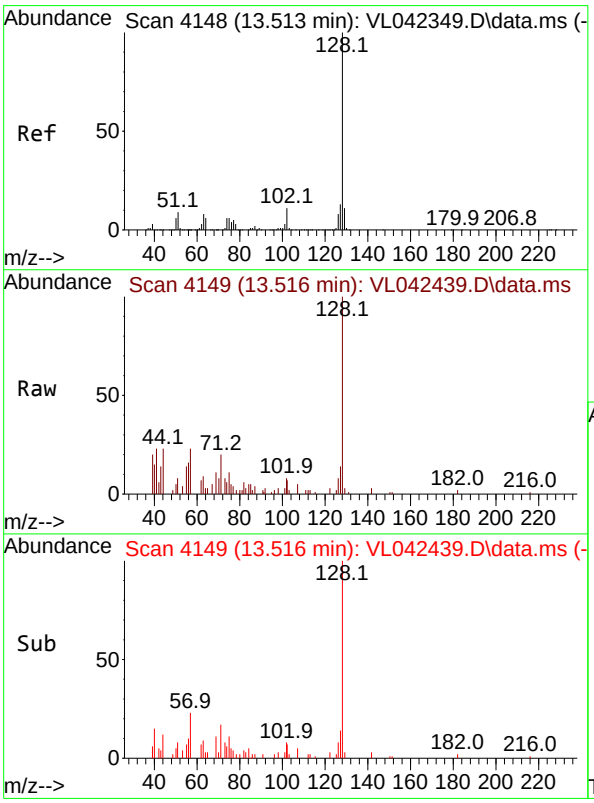
#74
1,2,4-Trimethylbenzene
Concen: 0.325 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion:105 Resp: 19318

Ion	Ratio	Lower	Upper
105	100		
120	35.8	38.1	57.1#
91	15.0	48.8	73.2#
77	15.9	19.0	28.4#

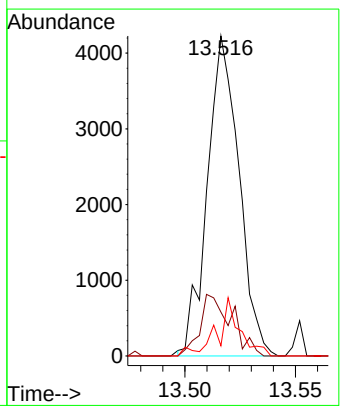


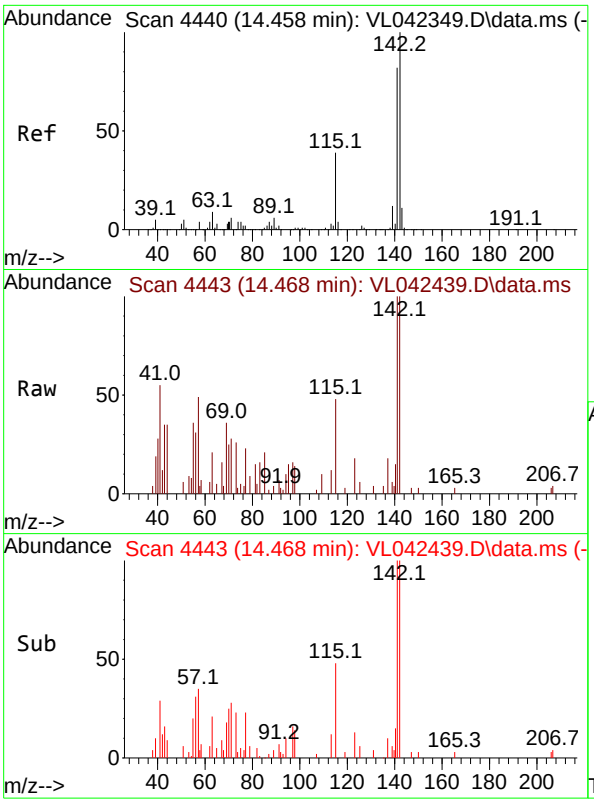


#79
Naphthalene
Concen: 0.059 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:128 Resp: 4212

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	3.2	8.6	12.8#



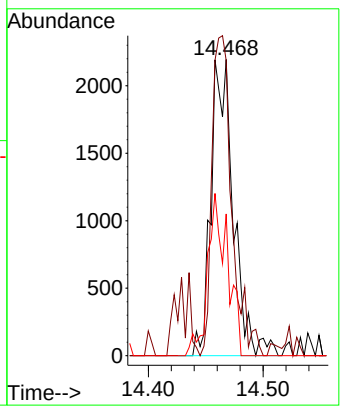


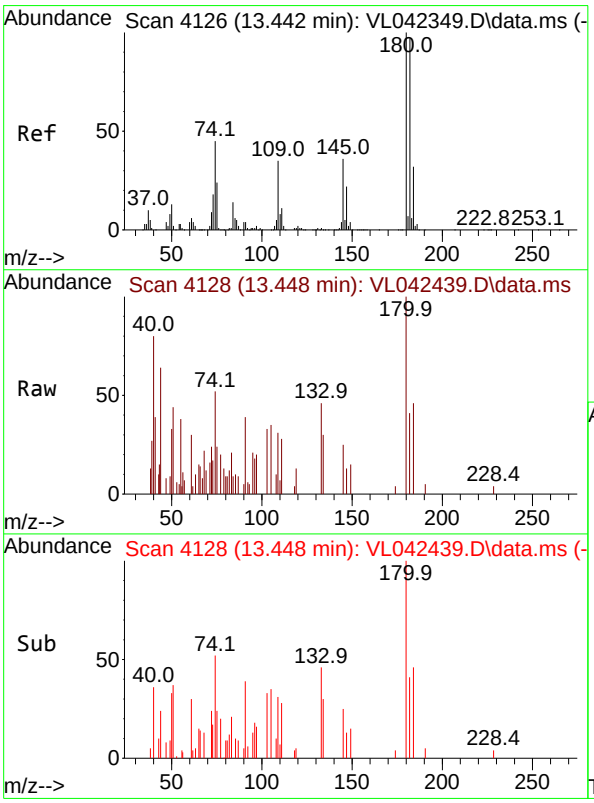
#80
Naphthalene,2-methyl-
Concen: 0.074 ppbv
RT: 14.468 min Scan# 44
Delta R.T. 0.010 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-SS01-20250421

Tgt Ion:142 Resp: 2990

Ion	Ratio	Lower	Upper
142	100		
141	111.2	66.8	100.2#
115	48.5	33.4	50.2

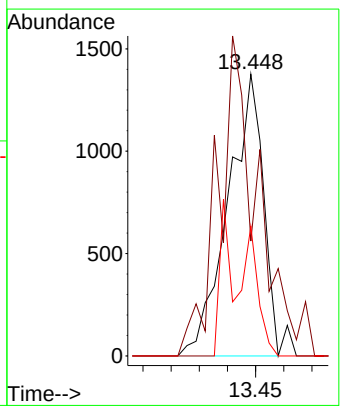




#81
1,2,4-Trichlorobenzene
Concen: 0.039 ppbv
RT: 13.448 min Scan# 4128
Delta R.T. 0.006 min
Lab File: VL042439.D
Acq: 29 Apr 2025 10:59

Tgt Ion:180 Resp: 1191

Ion	Ratio	Lower	Upper
180	100		
182	128.1	76.8	115.2#
184	37.4	24.6	36.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042441.D
Acq On : 29 Apr 2025 12:02
Operator : SY/MD
Sample : Q1880-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Quant Time: Apr 30 01:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

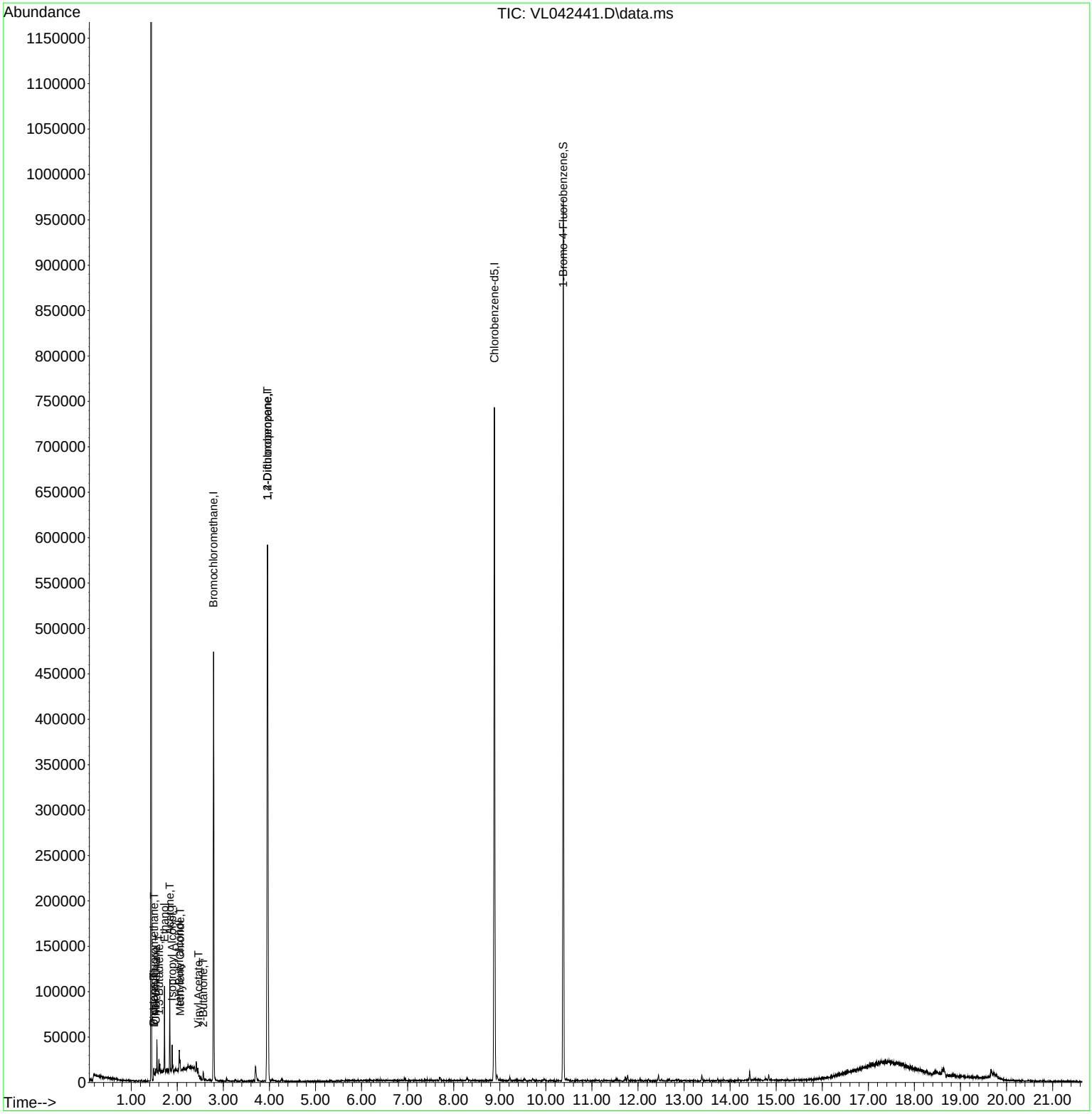
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	120274	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	315854	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	264275	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	230129	10.597	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1065	0.050	ppbv #	85
4) Chloromethane	1.531	50	715	0.085	ppbv #	61
9) Propene	1.486	41	1476	0.160	ppbv #	74
13) Ethanol	1.722	45	29902	20.415	ppbv	77
15) Acetone	1.836	43	43049	2.186	ppbv	97
16) 1,3-Butadiene	1.603	39	2006	0.213	ppbv #	9
17) tert-Butyl alcohol	2.043	59	8565	0.351	ppbv #	82
19) Isopropyl Alcohol	1.887	45	12664	1.158	ppbv #	27
20) Methylene Chloride	2.062	84	1511	0.196	ppbv #	86
23) Vinyl Acetate	2.457	43	1687	0.212	ppbv #	34
34) 2-Butanone	2.561	43	6230	0.249	ppbv	96
39) 1,2-Dichloropropane	3.959	63	90258	7.110	ppbv #	23

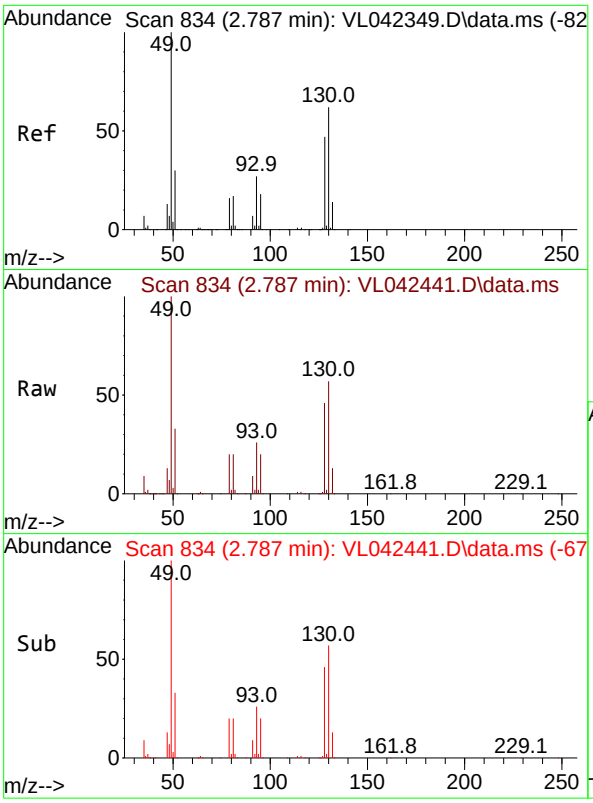
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042441.D
Acq On : 29 Apr 2025 12:02
Operator : SY/MD
Sample : Q1880-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Quant Time: Apr 30 01:19:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



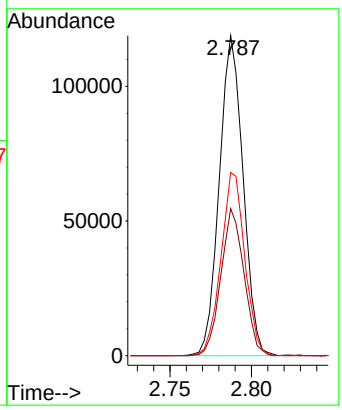


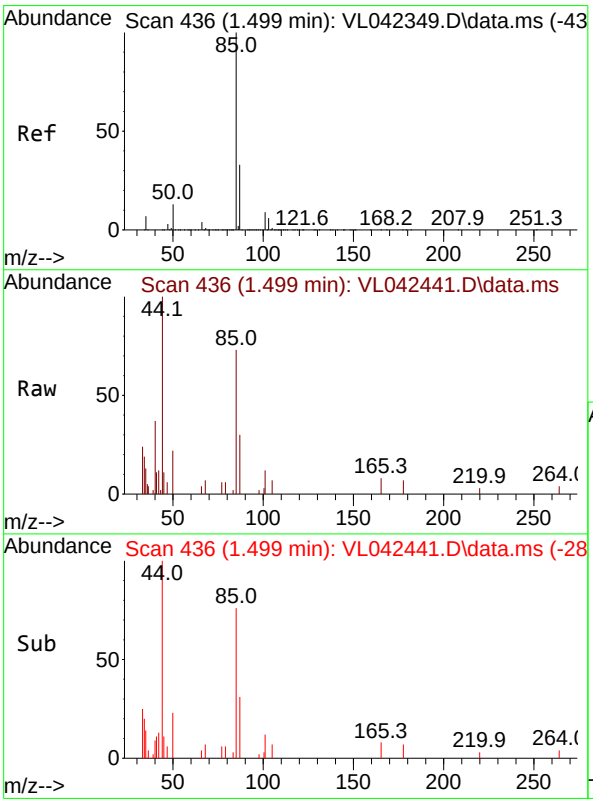
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 49 Resp: 120274

Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.8	68.4
130	57.5	29.3	88.0

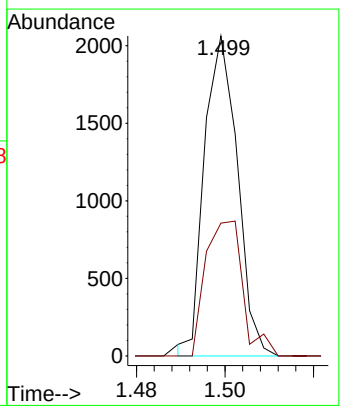


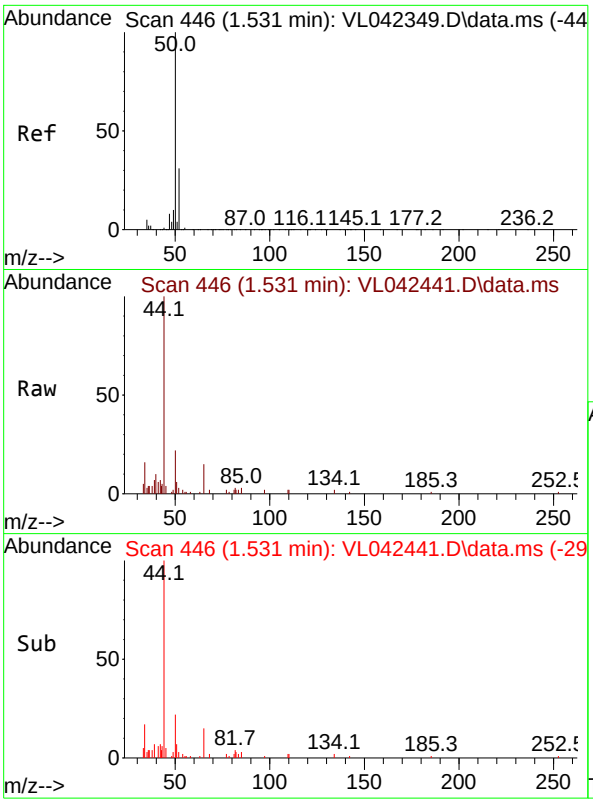


#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 85 Resp: 1065

Ion	Ratio	Lower	Upper
85	100		
87	41.5	26.6	39.8#



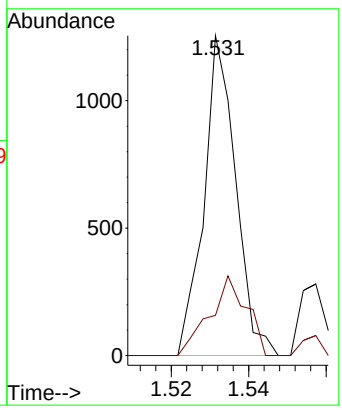


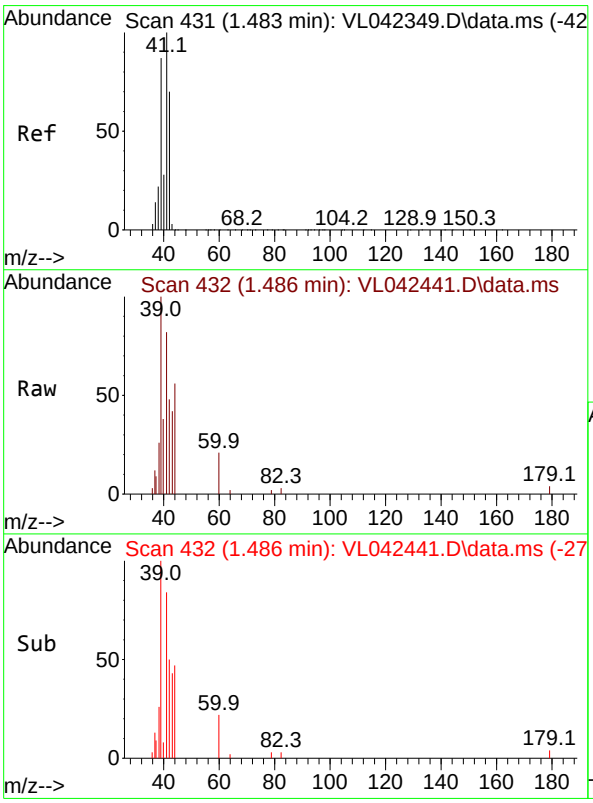
#4
Chloromethane
Concen: 0.085 ppbv
RT: 1.531 min Scan# 44
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 50 Resp: 715

Ion	Ratio	Lower	Upper
50	100		
52	9.7	24.7	37.1#

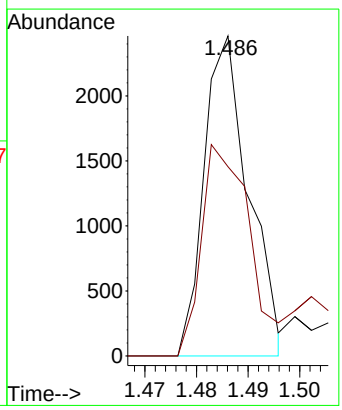


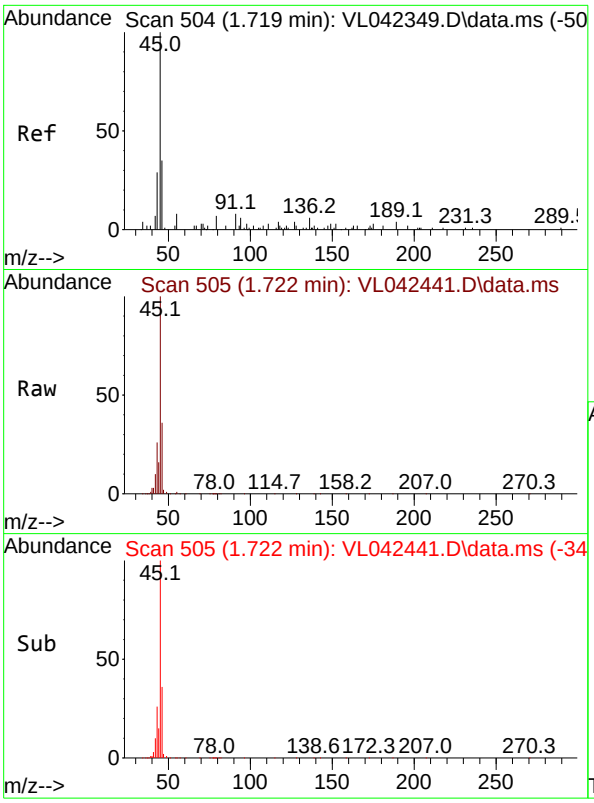


#9
Propene
Concen: 0.160 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 41 Resp: 1476

Ion	Ratio	Lower	Upper
41	100		
42	92.0	56.2	84.4#



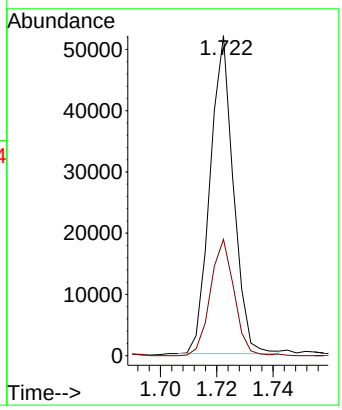


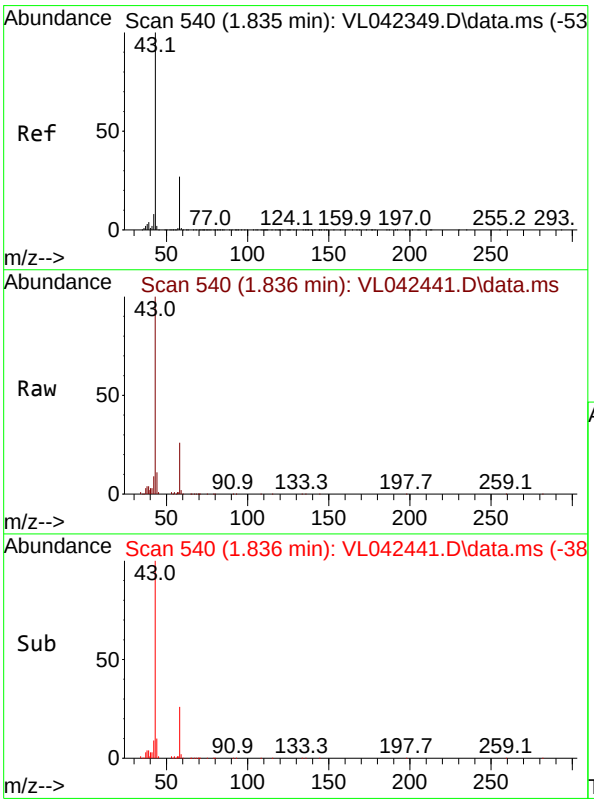
#13
Ethanol
Concen: 20.415 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 45 Resp: 29902

Ion	Ratio	Lower	Upper
45	100		
46	37.9	21.9	87.7

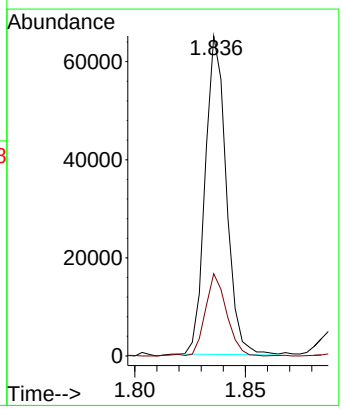


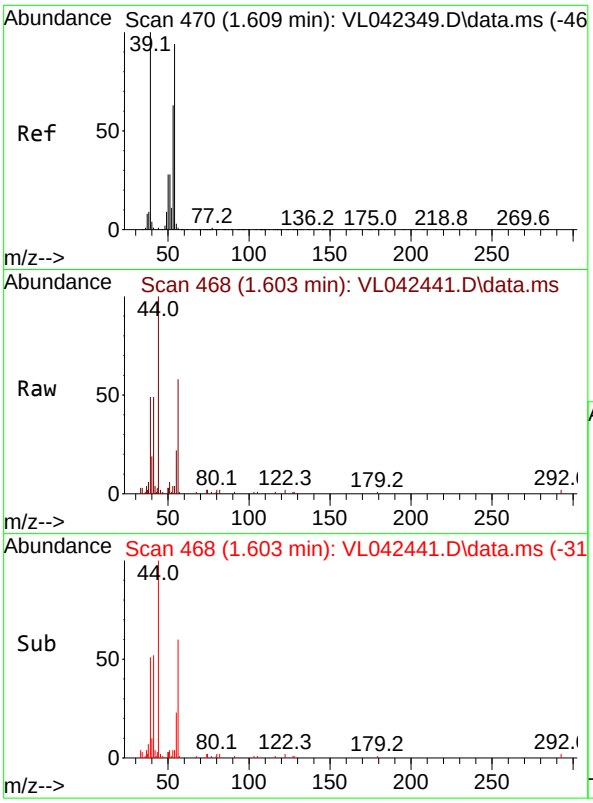


#15
Acetone
Concen: 2.186 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 43 Resp: 43049

Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.4	33.6



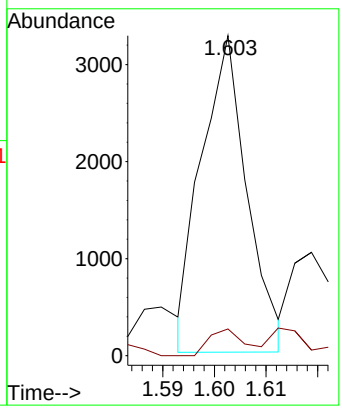


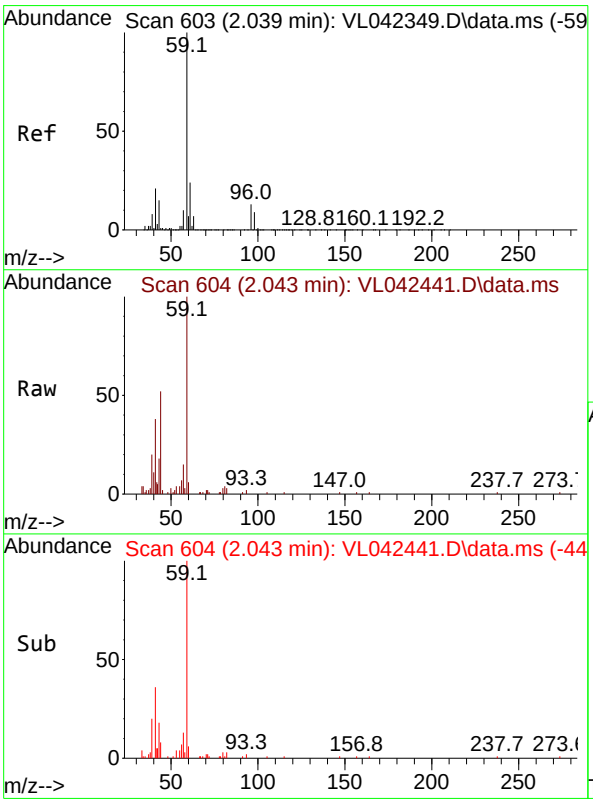
#16
1,3-Butadiene
Concen: 0.213 ppbv
RT: 1.603 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 39 Resp: 2006

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.9	97.3#

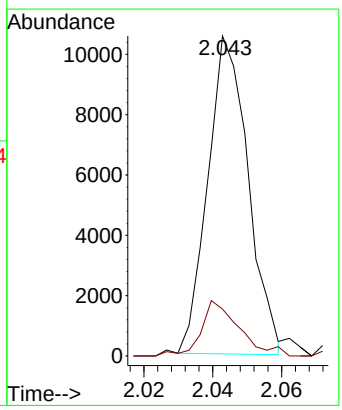


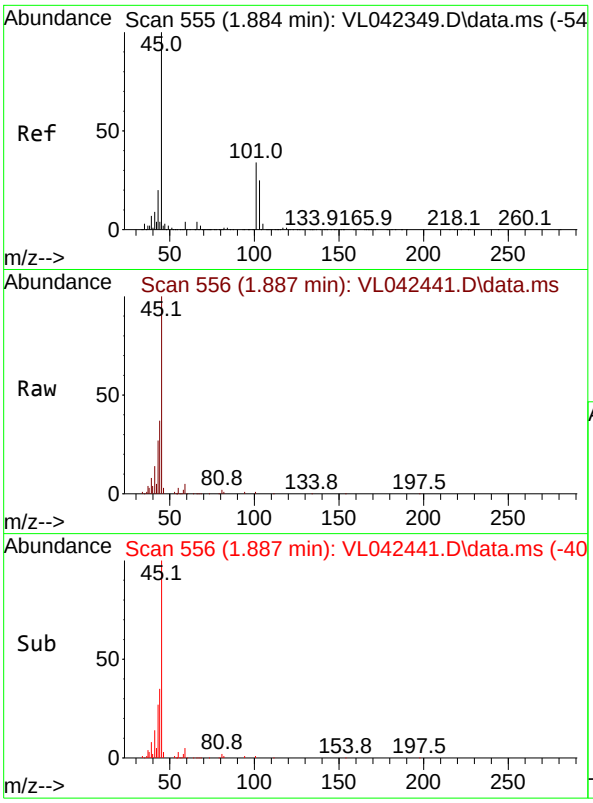


#17
tert-Butyl alcohol
Concen: 0.351 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 59 Resp: 8565

Ion	Ratio	Lower	Upper
59	100		
57	17.6	8.7	13.1#



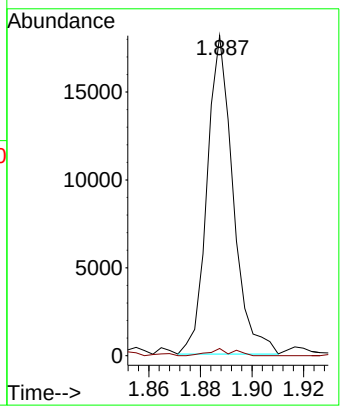


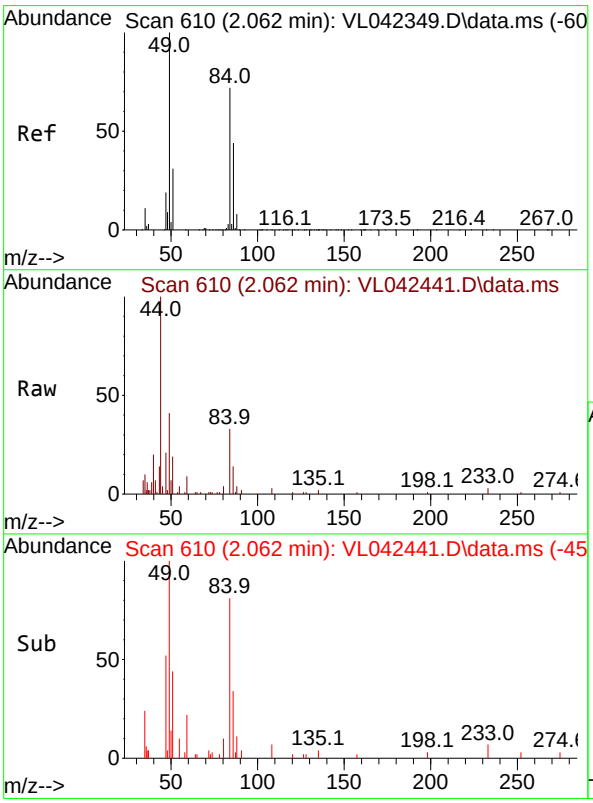
#19
Isopropyl Alcohol
Concen: 1.158 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 45 Resp: 12664

Ion	Ratio	Lower	Upper
45	100		
58	90.0	34.5	51.7#

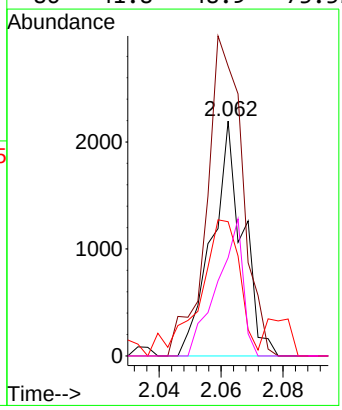


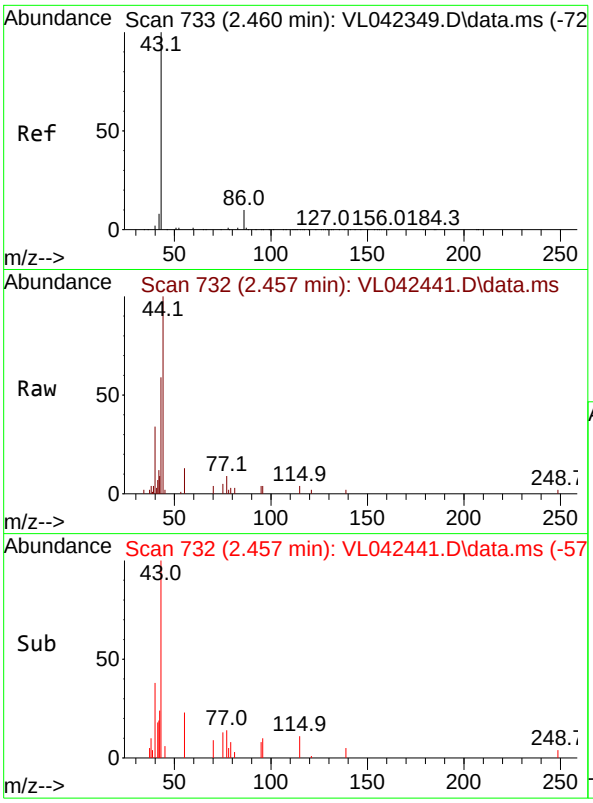


#20
Methylene Chloride
Concen: 0.196 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 84 Resp: 1511

Ion	Ratio	Lower	Upper
84	100		
49	123.4	111.6	167.4
51	44.2	35.1	52.7
86	41.8	48.9	73.3#



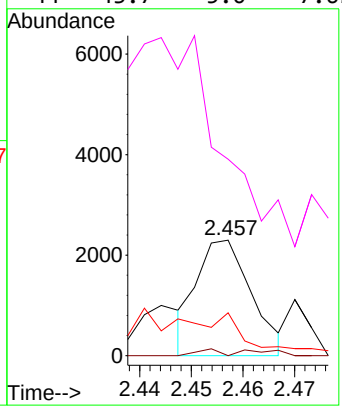


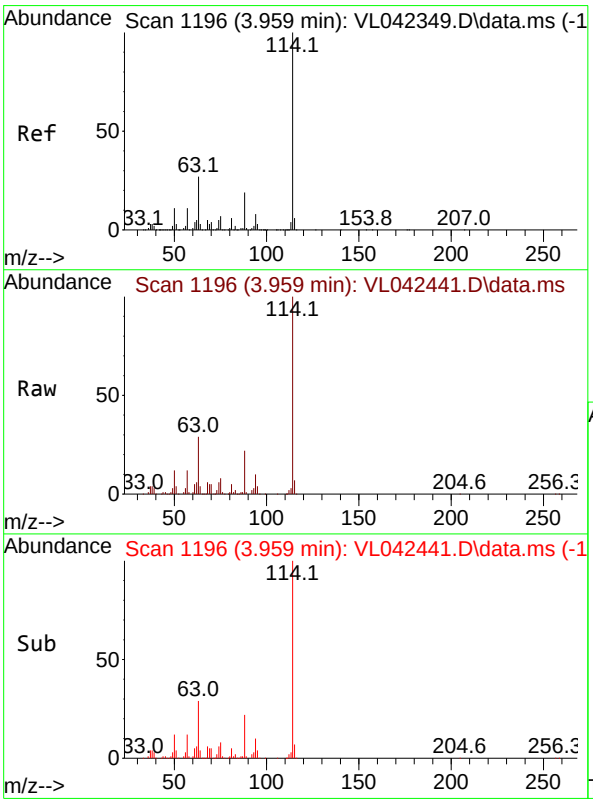
#23
Vinyl Acetate
Concen: 0.212 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 43 Resp: 1687

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#
42	36.6	7.8	11.8#
44	43.7	5.0	7.6#

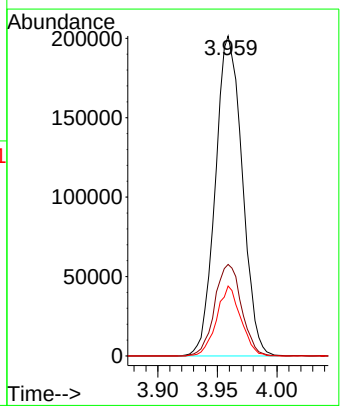


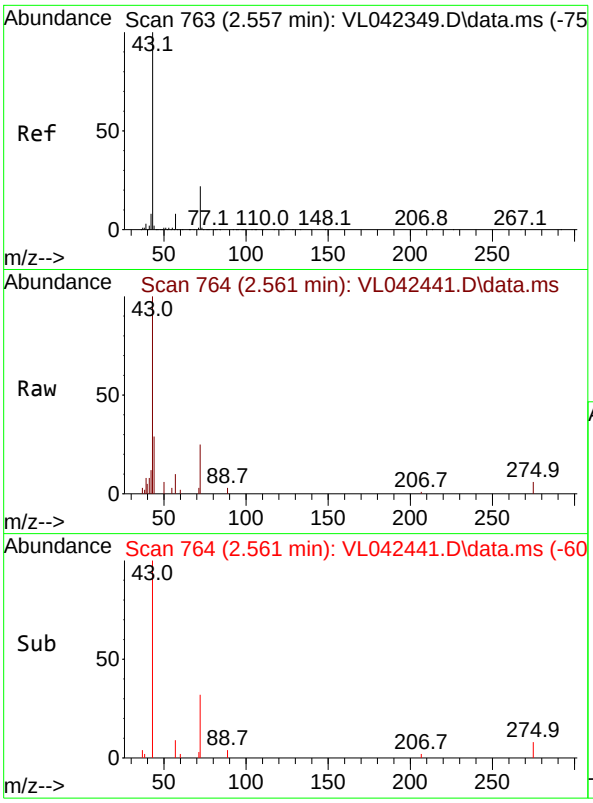


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion:114 Resp: 315854

Ion	Ratio	Lower	Upper
114	100		
63	28.6	21.8	32.6
88	19.6	15.5	23.3



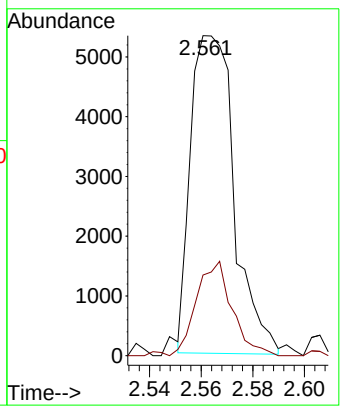


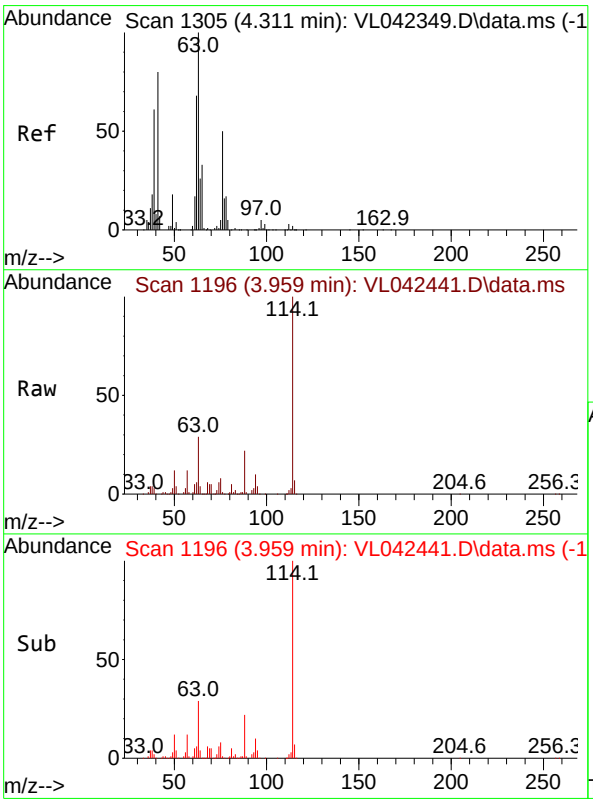
#34
2-Butanone
Concen: 0.249 ppbv
RT: 2.561 min Scan# 7
Delta R.T. 0.004 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion: 43 Resp: 6230

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.2	27.2

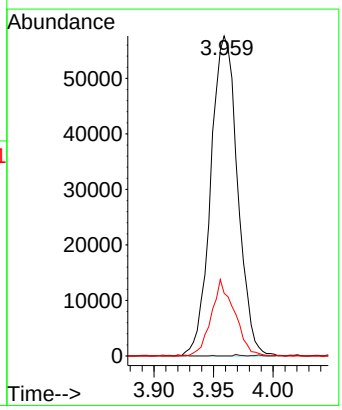


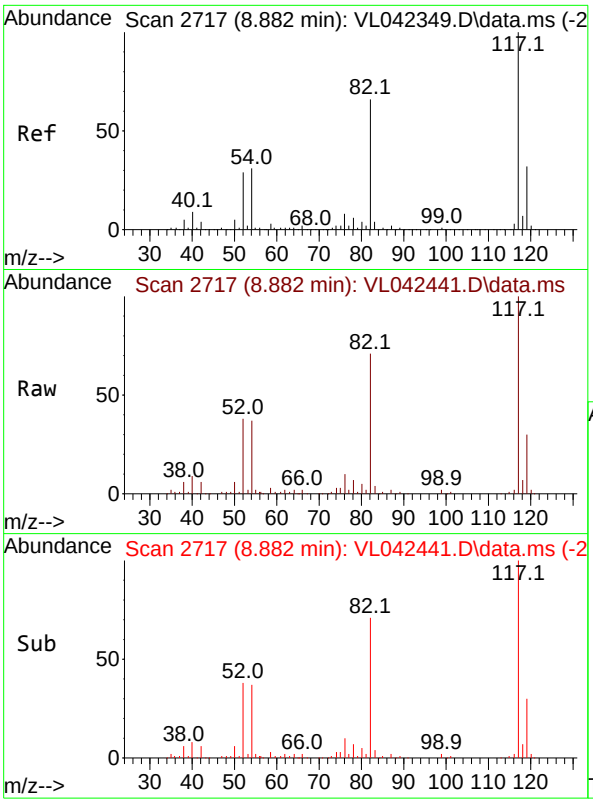


#39
1,2-Dichloropropane
Concen: 7.110 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 63 Resp: 90258

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	19.6	54.3	81.5#



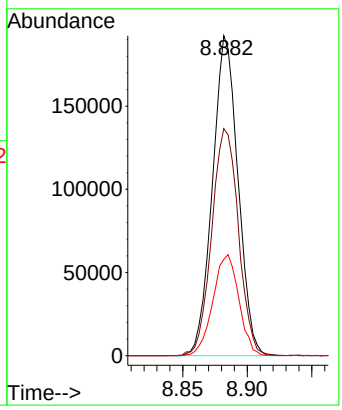


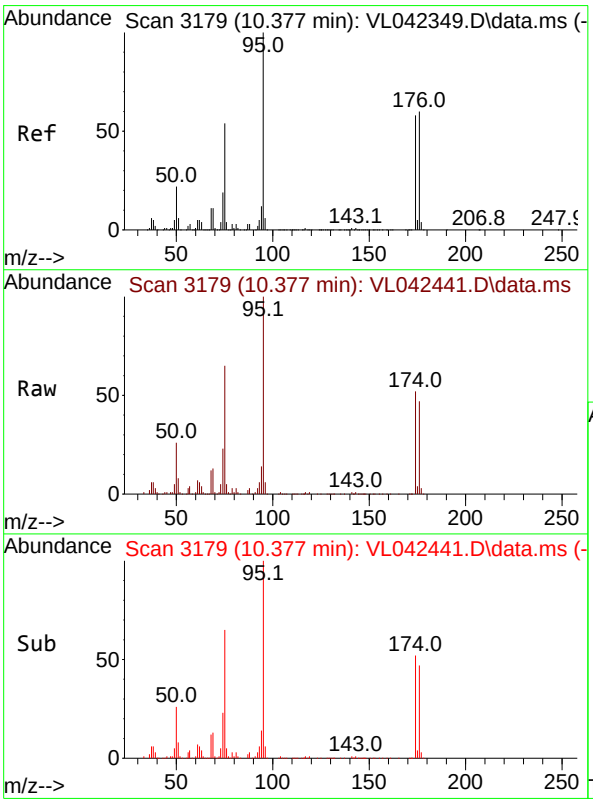
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422DL

Tgt Ion:117 Resp: 264275

Ion	Ratio	Lower	Upper
117	100		
82	74.2	57.8	86.6
119	32.2	25.2	37.8

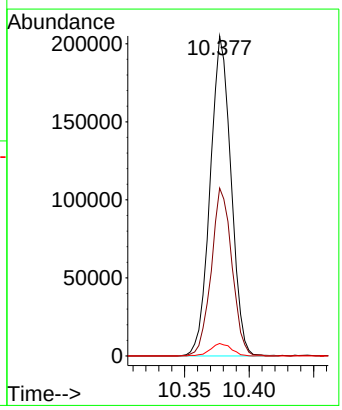




#68
1-Bromo-4-Fluorobenzene
Concen: 10.597 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042441.D
Acq: 29 Apr 2025 12:02

Tgt Ion: 95 Resp: 230129

Ion	Ratio	Lower	Upper
95	100		
174	52.0	48.5	72.7
175	4.0	3.7	5.5



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042447.D
Acq On : 29 Apr 2025 15:24
Operator : SY/MD
Sample : Q1880-05
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Quant Time: Apr 30 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

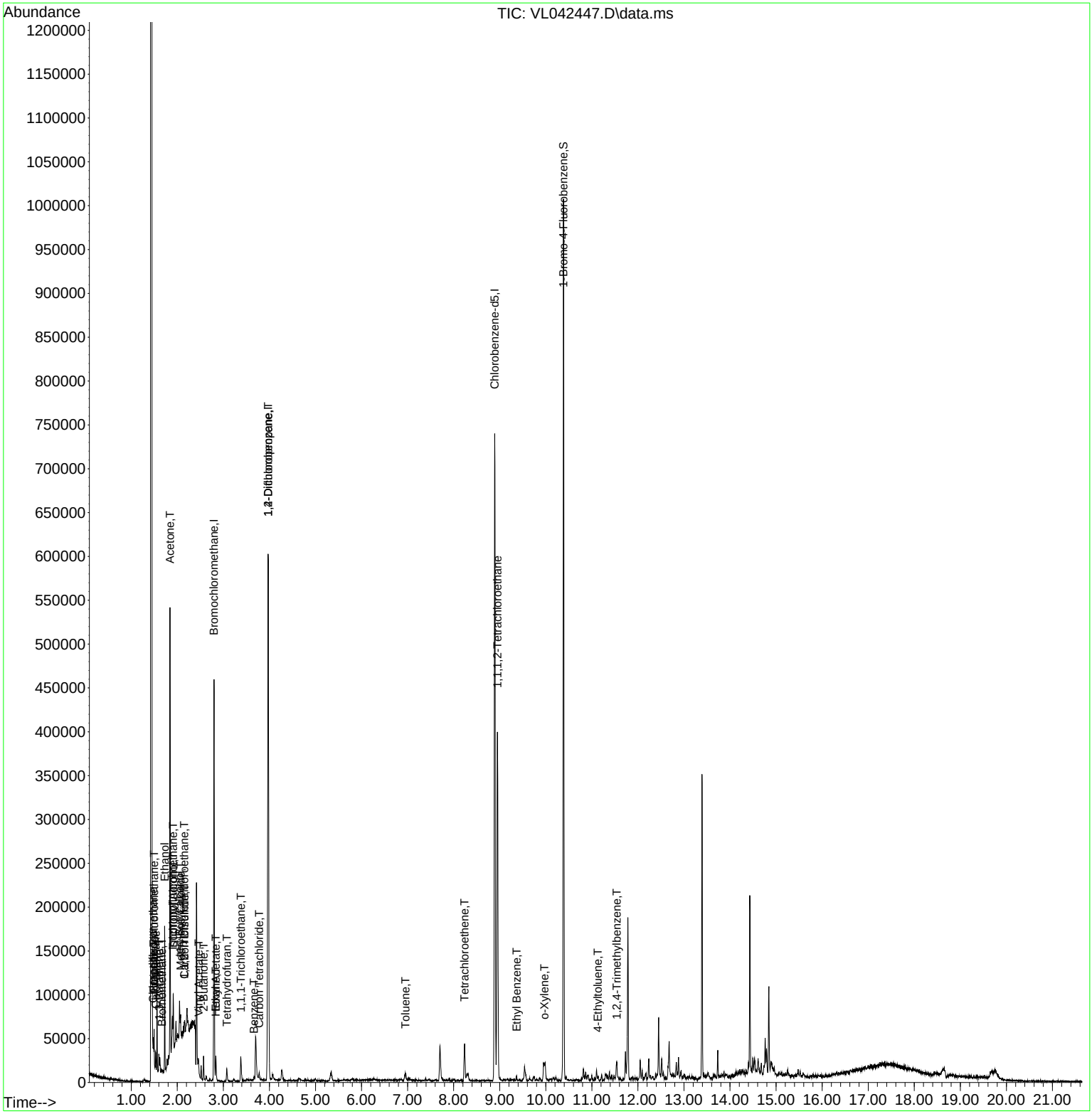
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	115955	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	311045	10.000	ppbv		0.02
55) Chlorobenzene-d5	8.891	117	264660	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	244219	11.229	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	10985	0.536	ppbv		89
3) Chlorodifluoromethane	1.476	51	6328	0.324	ppbv		95
4) Chloromethane	1.531	50	2251	0.278	ppbv	#	84
6) Bromomethane	1.670	94	115	0.030	ppbv	#	8
9) Propene	1.486	41	3214	0.362	ppbv		88
11) Trichlorofluoromethane	1.910	101	1557	0.080	ppbv		87
12) 1,1,2-Trichlorotrifluo...	2.149	101	1743	0.109	ppbv		91
13) Ethanol	1.725	45	55964	39.631	ppbv		76
15) Acetone	1.842	43	213041	11.223	ppbv		100
16) 1,3-Butadiene	1.612	39	575	0.063	ppbv	#	72
17) tert-Butyl alcohol	2.049	59	12602	0.536	ppbv	#	87
19) Isopropyl Alcohol	1.910	45	5886	0.558	ppbv	#	33
20) Methylene Chloride	2.072	84	3817	0.513	ppbv		90
23) Vinyl Acetate	2.463	43	10774	1.402	ppbv	#	77
25) Ethyl Acetate	2.835	43	5145	0.110	ppbv	#	80
26) Hexane	2.832	57	4823	0.255	ppbv	#	37
27) Carbon Disulfide	2.156	76	801	0.039	ppbv	#	1
32) 1,1,1-Trichloroethane	3.379	97	11120	0.369	ppbv		96
34) 2-Butanone	2.570	43	14964	0.608	ppbv		100
35) Carbon Tetrachloride	3.777	117	1680	0.060	ppbv		84
36) Benzene	3.667	78	1799	0.054	ppbv		97
39) 1,2-Dichloropropane	3.975	63	92184	7.373	ppbv	#	23
41) Tetrahydrofuran	3.078	42	2988	0.208	ppbv	#	82
52) Tetrachloroethene	8.234	164	5308	0.409	ppbv		87
53) Toluene	6.952	91	3018	0.075	ppbv	#	50
56) 1,1,1,2-Tetrachloroethane	8.949	131	942	0.059	ppbv	#	1
58) Ethyl Benzene	9.367	91	1587	0.030	ppbv		93
60) o-Xylene	9.972	91	4440	0.104	ppbv		90
72) 4-Ethyltoluene	11.131	105	1668	0.032	ppbv	#	55
74) 1,2,4-Trimethylbenzene	11.542	105	4998	0.093	ppbv	#	67

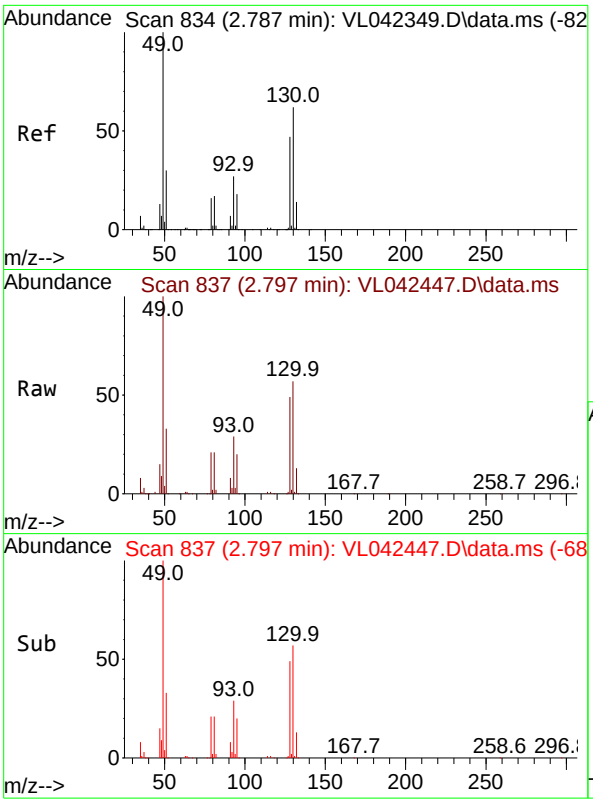
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042447.D
Acq On : 29 Apr 2025 15:24
Operator : SY/MD
Sample : Q1880-05
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Quant Time: Apr 30 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



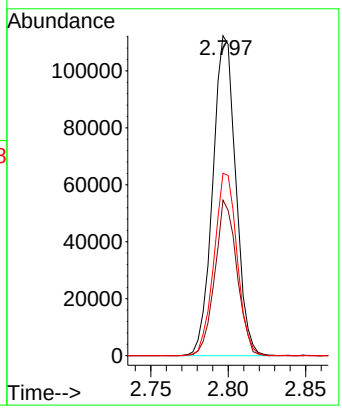


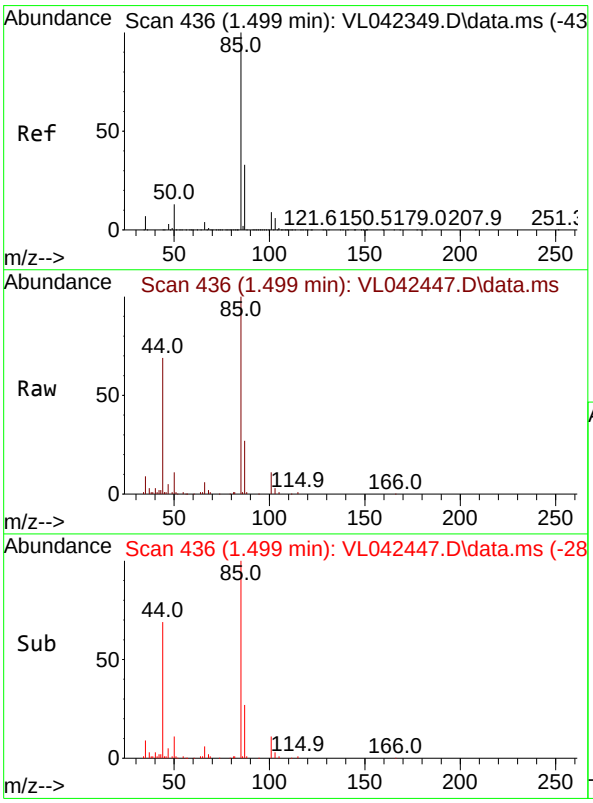
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 49 Resp: 115955

Ion	Ratio	Lower	Upper
49	100		
128	46.7	22.8	68.4
130	57.1	29.3	88.0

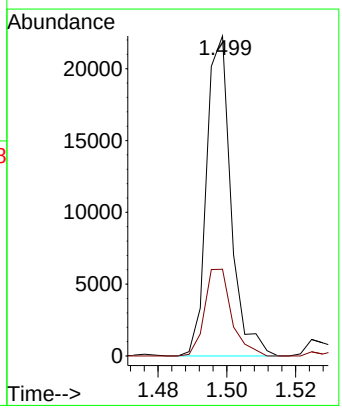


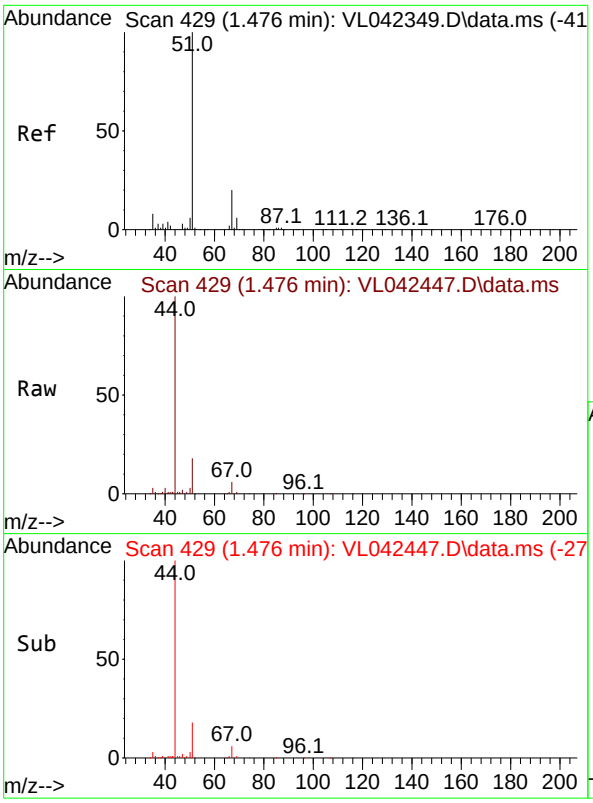


#2
Dichlorodifluoromethane
Concen: 0.536 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 85 Resp: 10985

Ion	Ratio	Lower	Upper
85	100		
87	27.1	26.6	39.8



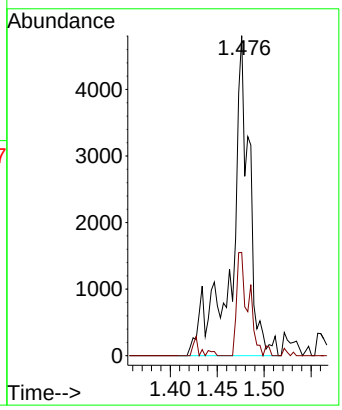


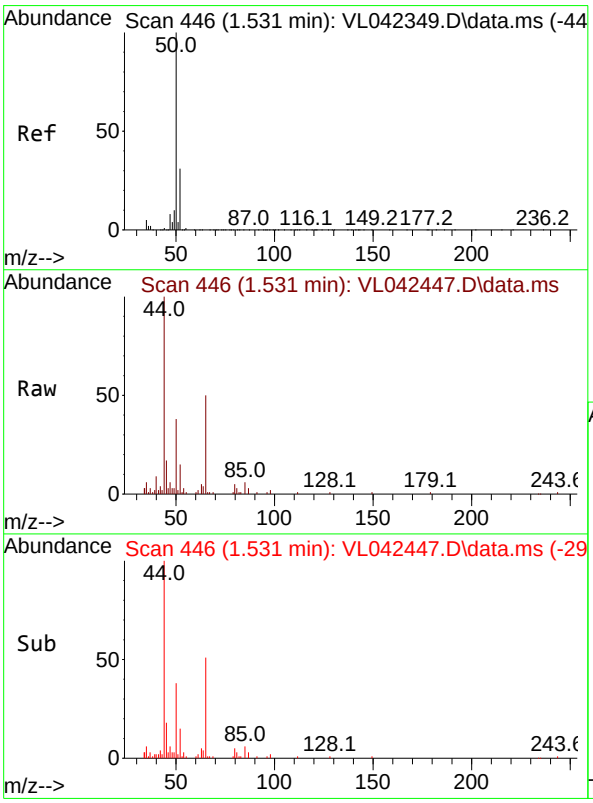
#3
Chlorodifluoromethane
Concen: 0.324 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 51 Resp: 6328

Ion	Ratio	Lower	Upper
51	100		
67	22.4	16.2	24.4

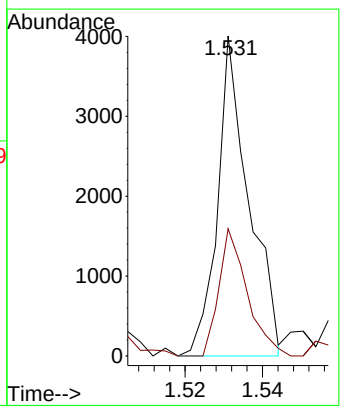


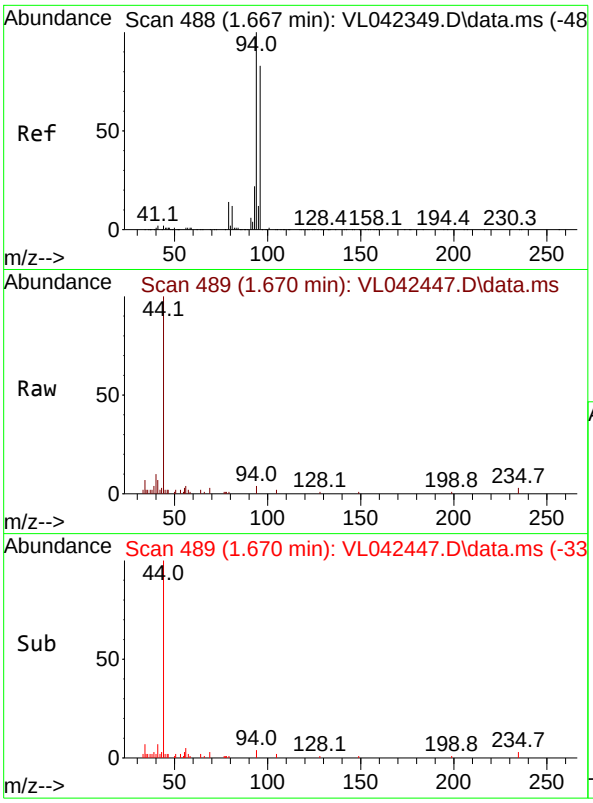


#4
Chloromethane
Concen: 0.278 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 50 Resp: 2251

Ion	Ratio	Lower	Upper
50	100		
52	39.8	24.7	37.1#



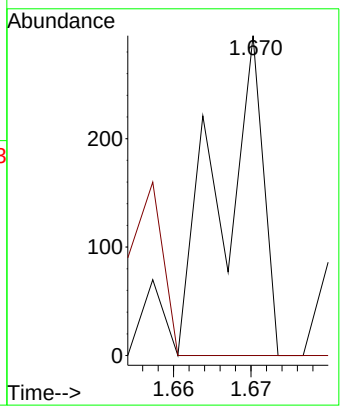


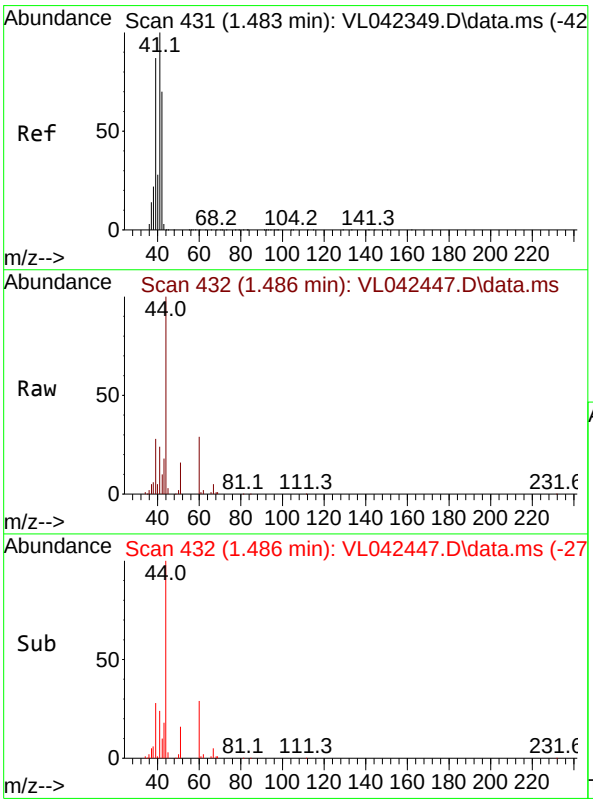
#6
Bromomethane
Concen: 0.030 ppbv
RT: 1.670 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 94 Resp: 115

Ion	Ratio	Lower	Upper
94	100		
96	0.0	66.2	99.2#

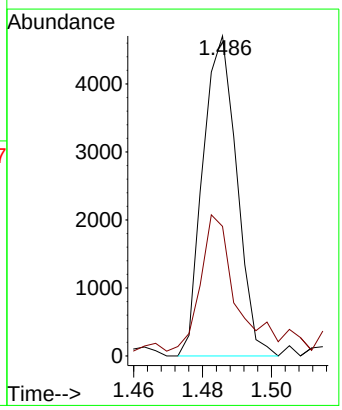


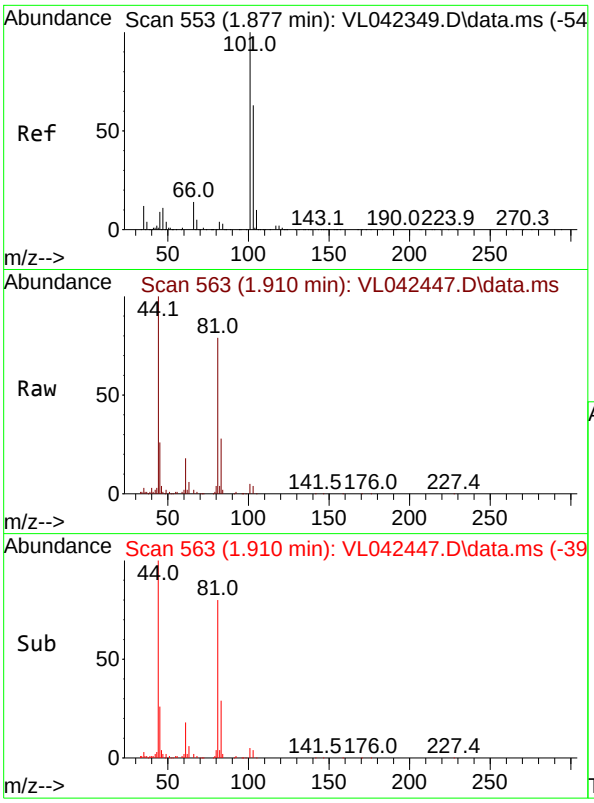


#9
Propene
Concen: 0.362 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 41 Resp: 3214

Ion	Ratio	Lower	Upper
41	100		
42	60.1	56.2	84.4



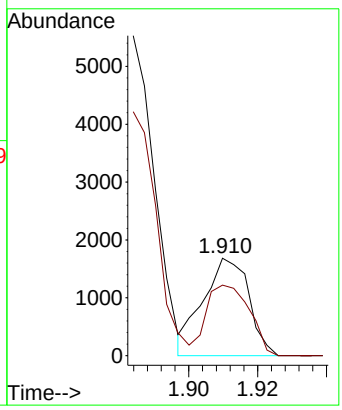


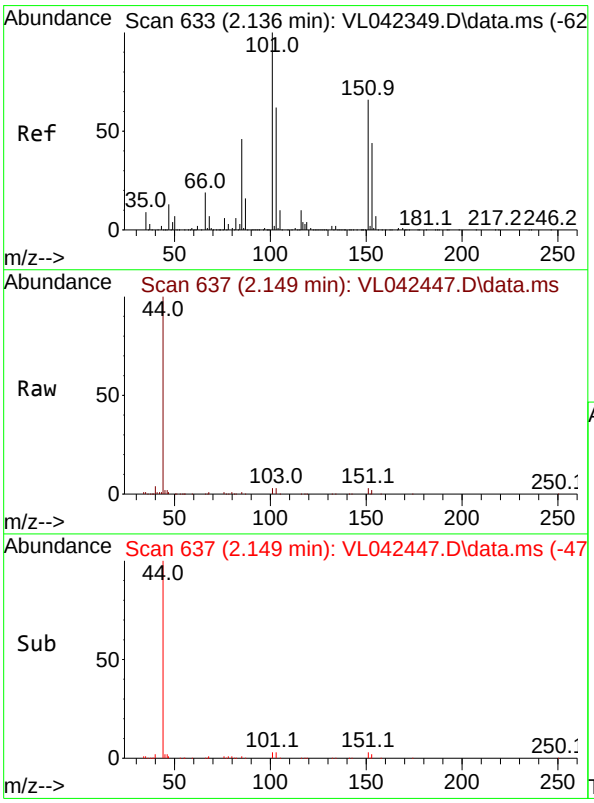
#11
Trichlorofluoromethane
Concen: 0.080 ppbv
RT: 1.910 min Scan# 5
Delta R.T. 0.032 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion:101 Resp: 1557

Ion	Ratio	Lower	Upper
101	100		
103	72.5	50.1	75.1

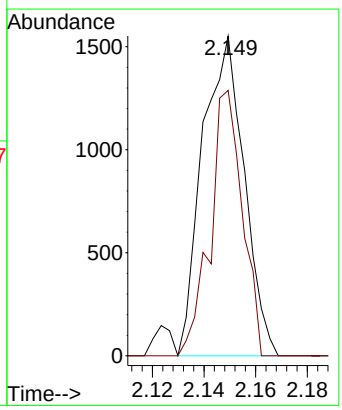


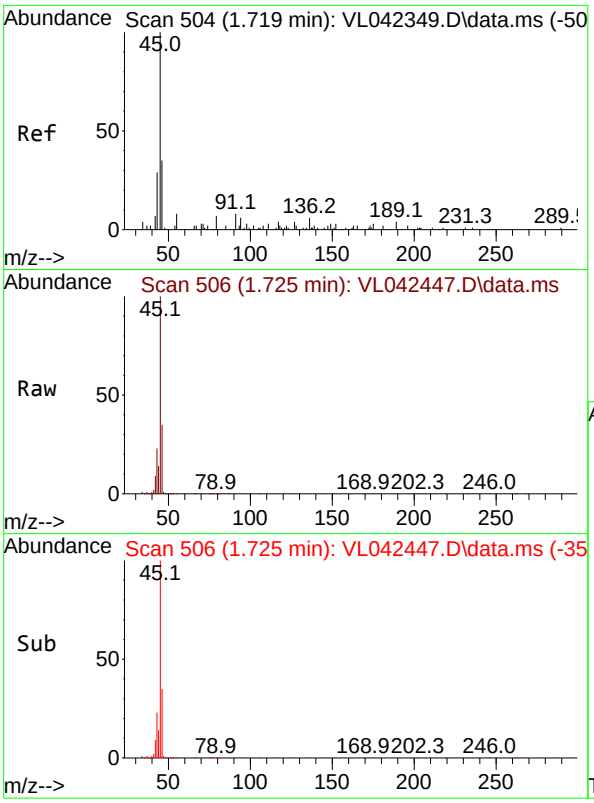


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.109 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:101 Resp: 1743

Ion	Ratio	Lower	Upper
101	100		
151	63.6	57.0	85.6



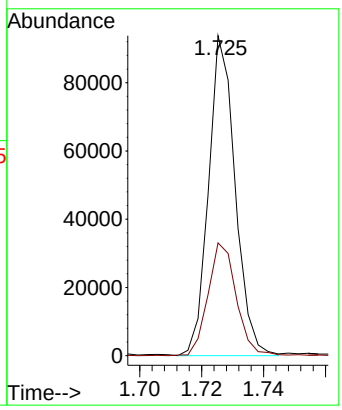


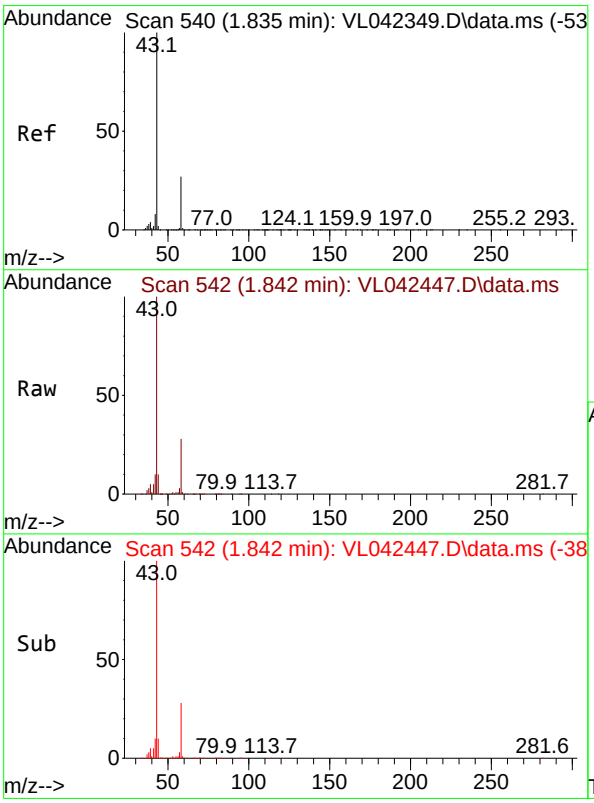
#13
Ethanol
Concen: 39.631 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 45 Resp: 55964

Ion	Ratio	Lower	Upper
45	100		
46	37.7	21.9	87.7

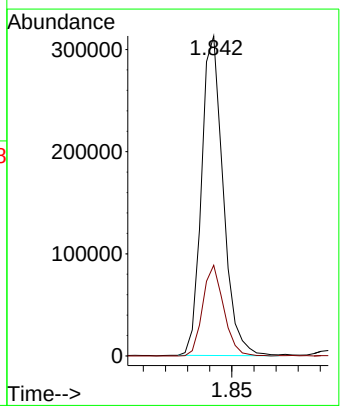


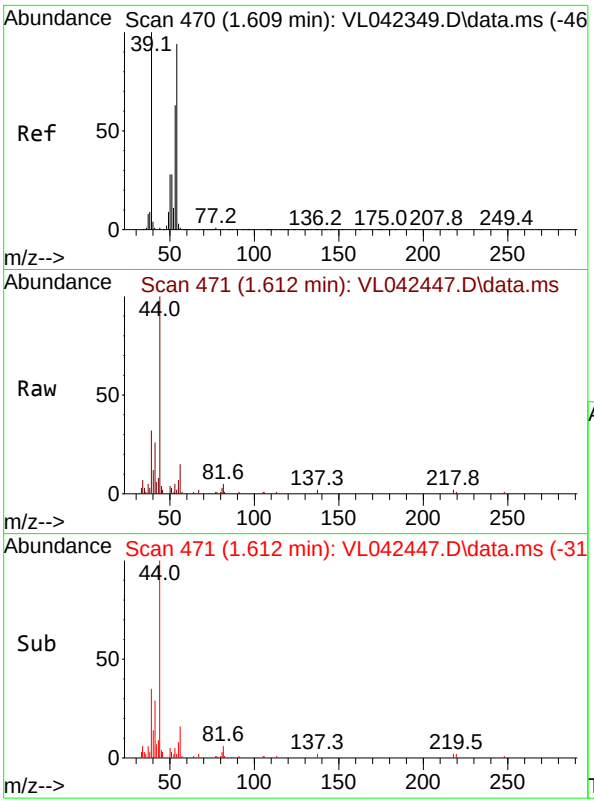


#15
Acetone
Concen: 11.223 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 43 Resp: 213041

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.4	33.6



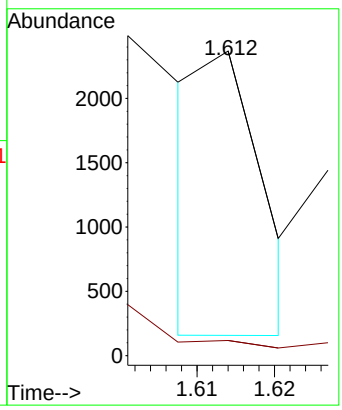


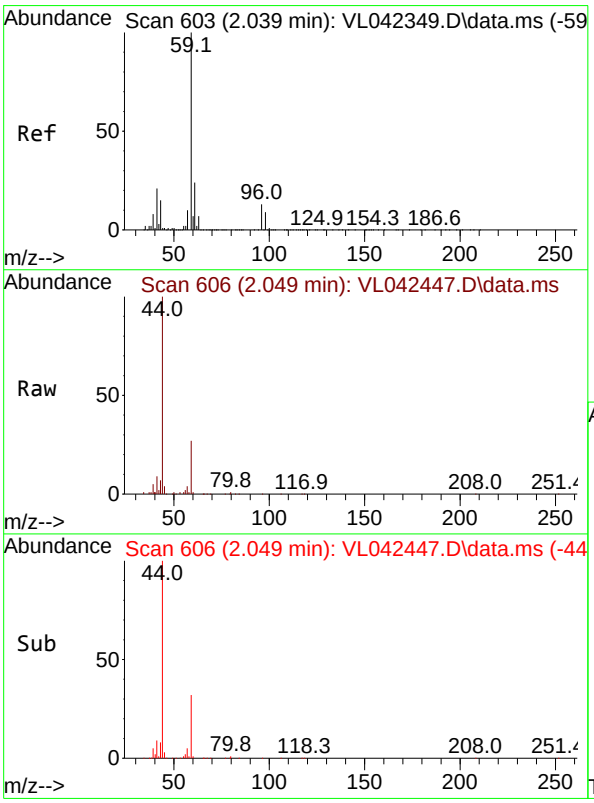
#16
1,3-Butadiene
Concen: 0.063 ppbv
RT: 1.612 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 39 Resp: 575

Ion	Ratio	Lower	Upper
39	100		
54	56.0	64.9	97.3#

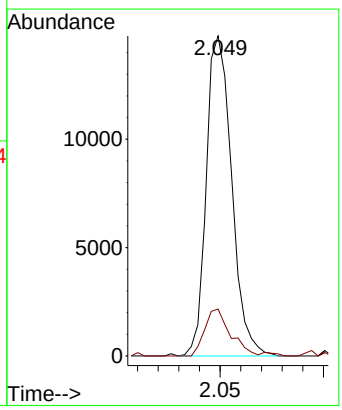


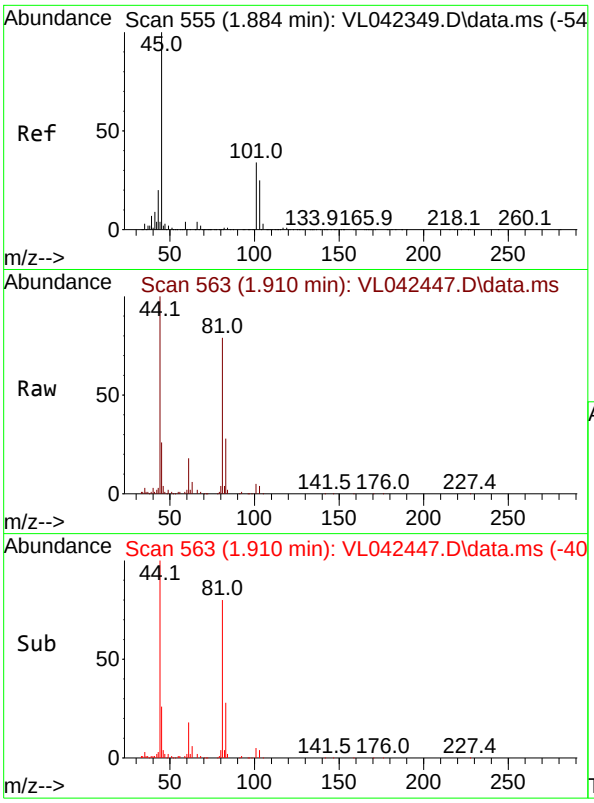


#17
tert-Butyl alcohol
Concen: 0.536 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 59 Resp: 12602

Ion	Ratio	Lower	Upper
59	100		
57	16.0	8.7	13.1#



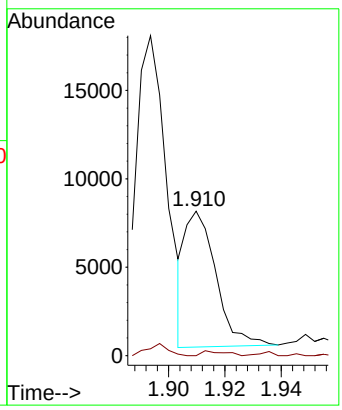


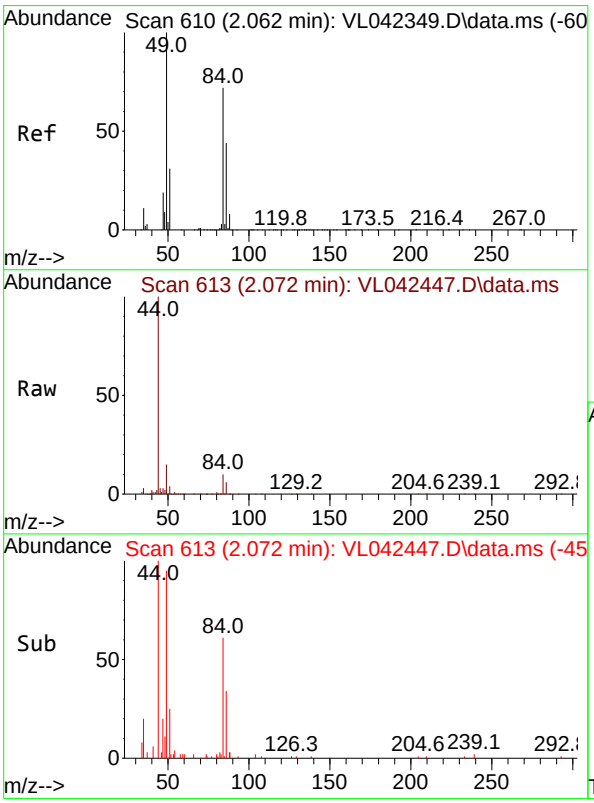
#19
Isopropyl Alcohol
Concen: 0.558 ppbv
RT: 1.910 min Scan# 5
Delta R.T. 0.026 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 45 Resp: 5886

Ion	Ratio	Lower	Upper
45	100		
58	0.0	34.5	51.7#

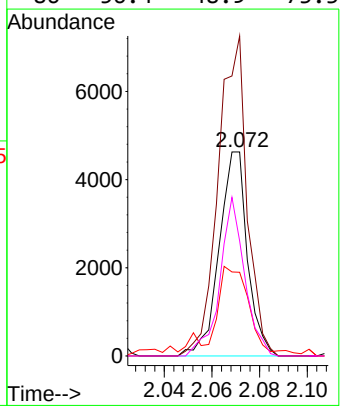


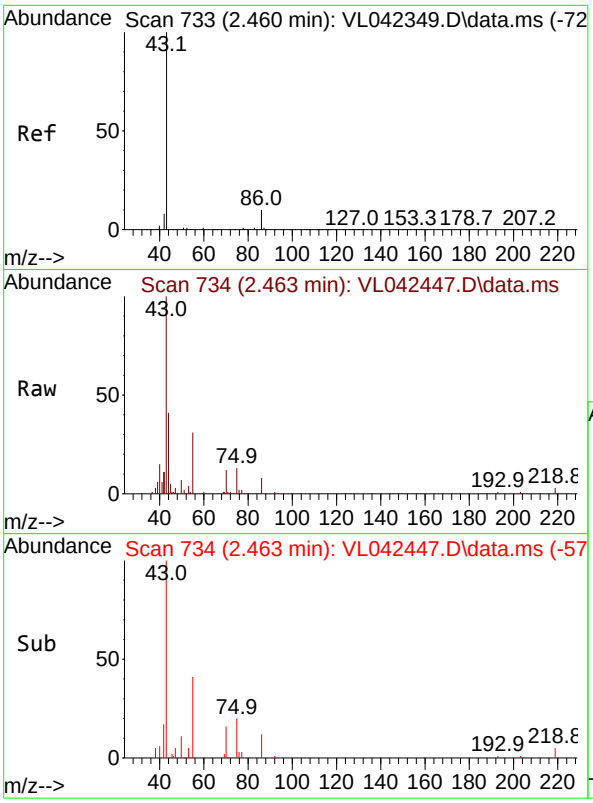


#20
Methylene Chloride
Concen: 0.513 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 84 Resp: 3817

Ion	Ratio	Lower	Upper
84	100		
49	156.8	111.6	167.4
51	41.7	35.1	52.7
86	56.4	48.9	73.3



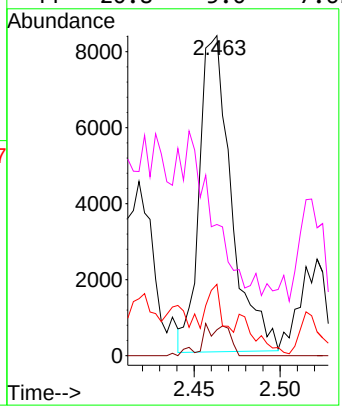


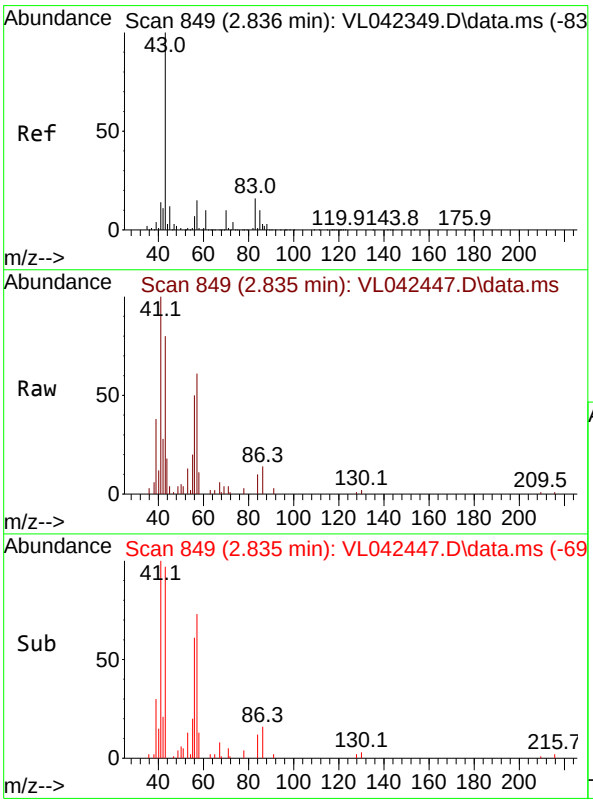
#23
Vinyl Acetate
Concen: 1.402 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 43 Resp: 10774

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.5	9.7
42	20.1	7.8	11.8#
44	20.8	5.0	7.6#

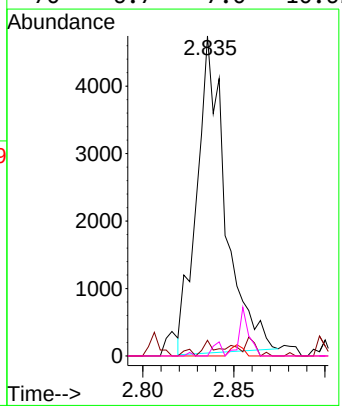


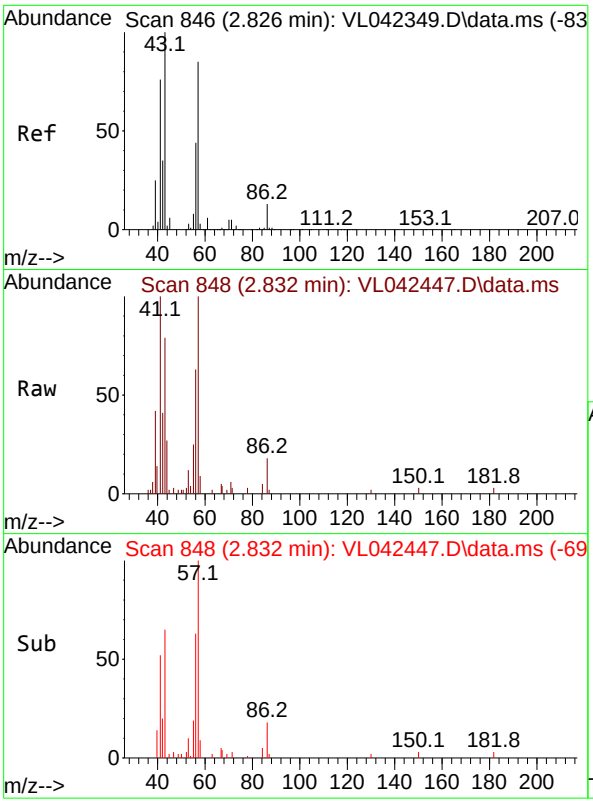


#25
Ethyl Acetate
Concen: 0.110 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 43 Resp: 5145

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.3	10.9#
70	6.7	7.0	10.6#



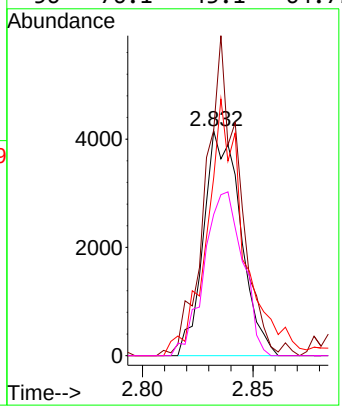


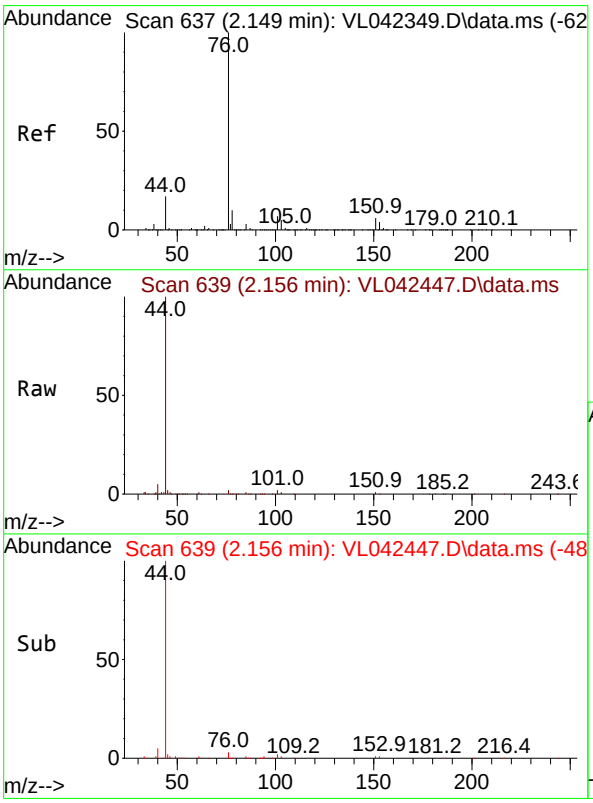
#26
Hexane
Concen: 0.255 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 57 Resp: 4823

Ion	Ratio	Lower	Upper
57	100		
41	129.6	77.9	116.9#
43	116.2	208.4	312.6#
56	76.1	43.1	64.7#

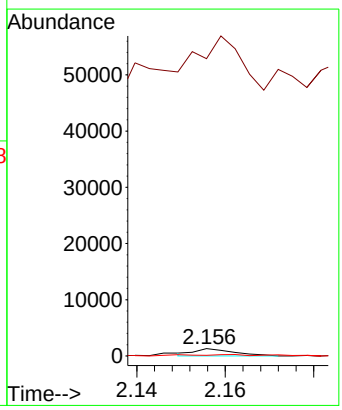


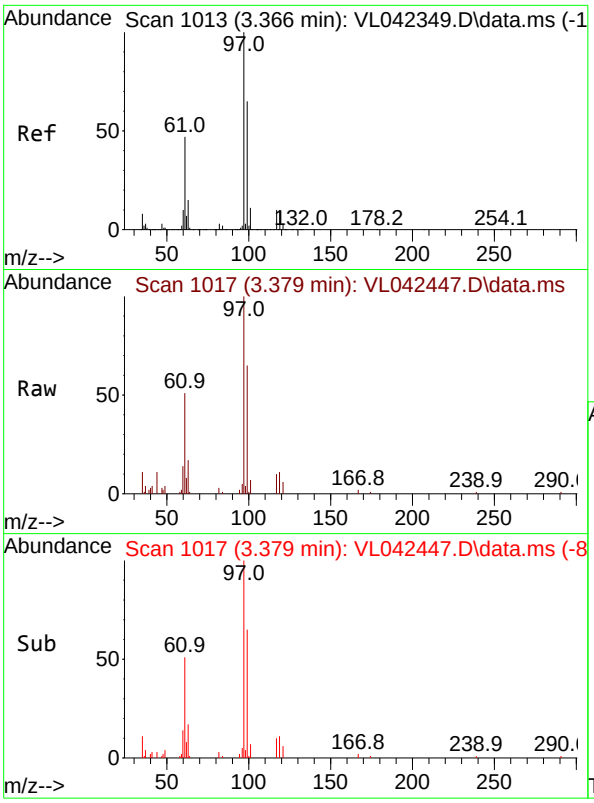


#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 76 Resp: 801

Ion	Ratio	Lower	Upper
76	100		
44	17463.3	15.5	23.3#
78	48.1	9.3	13.9#



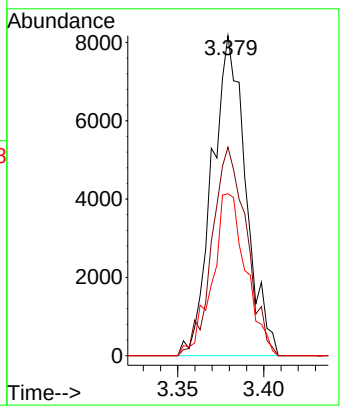


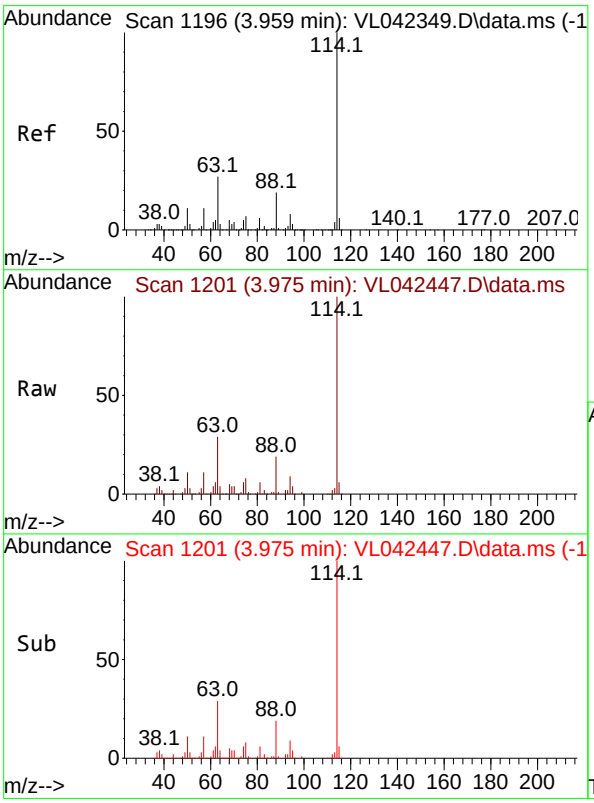
#32
1,1,1-Trichloroethane
Concen: 0.369 ppbv
RT: 3.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 97 Resp: 11120

Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.0	76.4
61	50.8	38.8	58.2

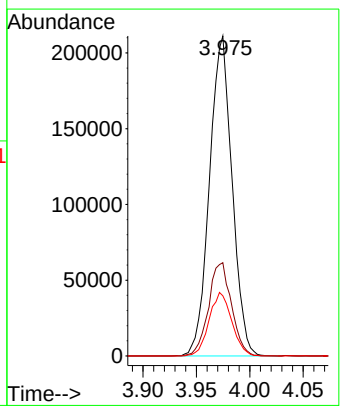


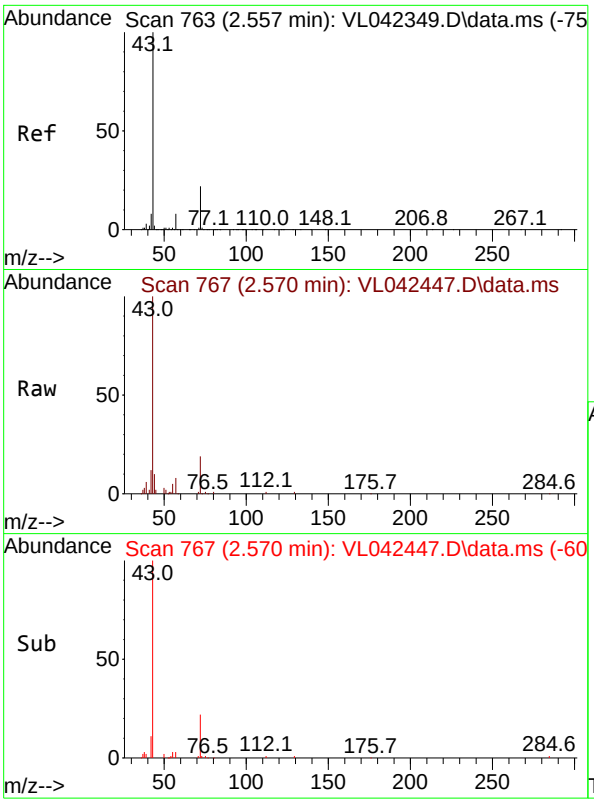


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.016 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:114 Resp: 311045

Ion	Ratio	Lower	Upper
114	100		
63	29.7	21.8	32.6
88	19.9	15.5	23.3



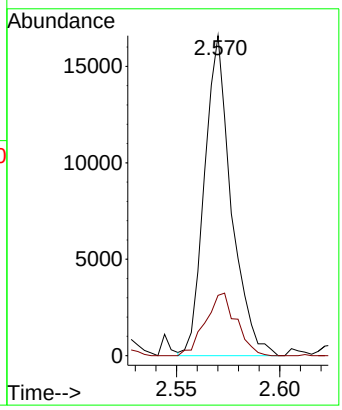


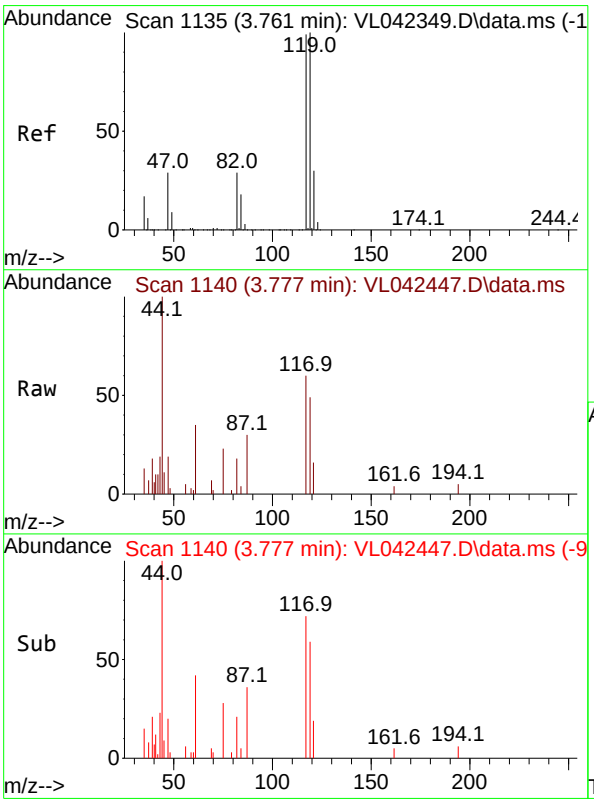
#34
2-Butanone
Concen: 0.608 ppbv
RT: 2.570 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 43 Resp: 14964

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2

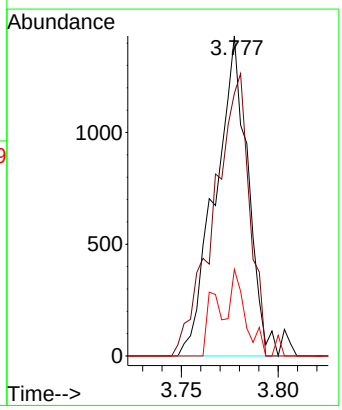


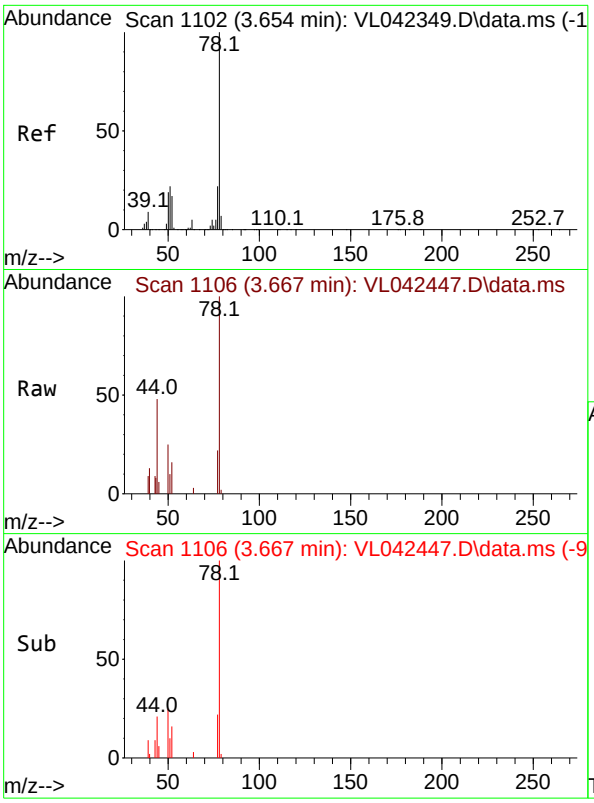


#35
Carbon Tetrachloride
Concen: 0.060 ppbv
RT: 3.777 min Scan# 1140
Delta R.T. 0.016 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:117 Resp: 1680

Ion	Ratio	Lower	Upper
117	100		
119	82.1	80.5	120.7
121	27.0	24.2	36.2



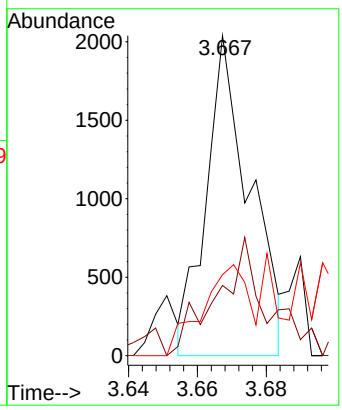


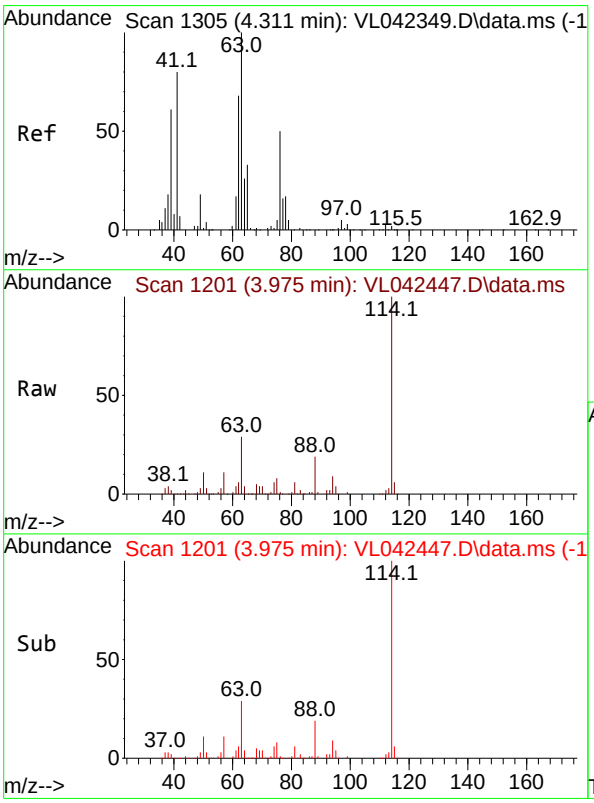
#36
Benzene
Concen: 0.054 ppbv
RT: 3.667 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 78 Resp: 1799

Ion	Ratio	Lower	Upper
78	100		
77	21.2	17.4	26.0
50	16.8	15.5	23.3

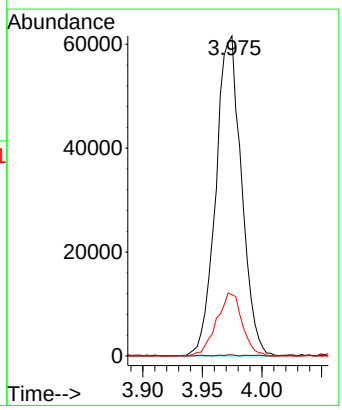


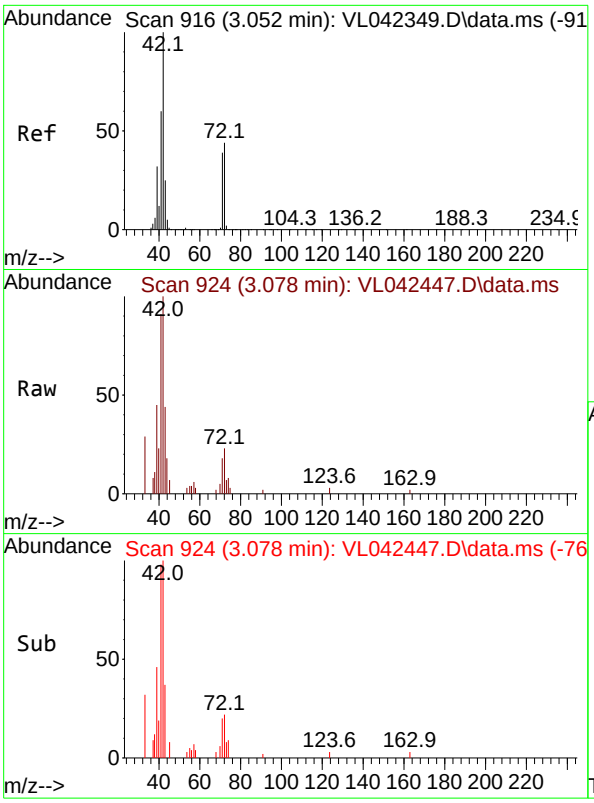


#39
1,2-Dichloropropane
Concen: 7.373 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.337 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 63 Resp: 92184

Ion	Ratio	Lower	Upper
63	100		
41	0.3	64.2	96.2#
62	19.2	54.3	81.5#



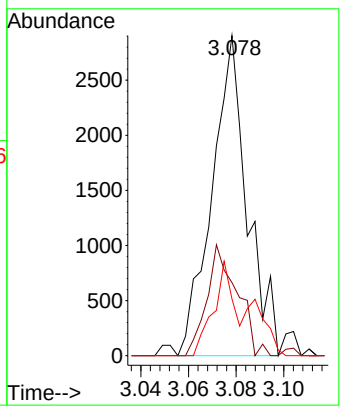


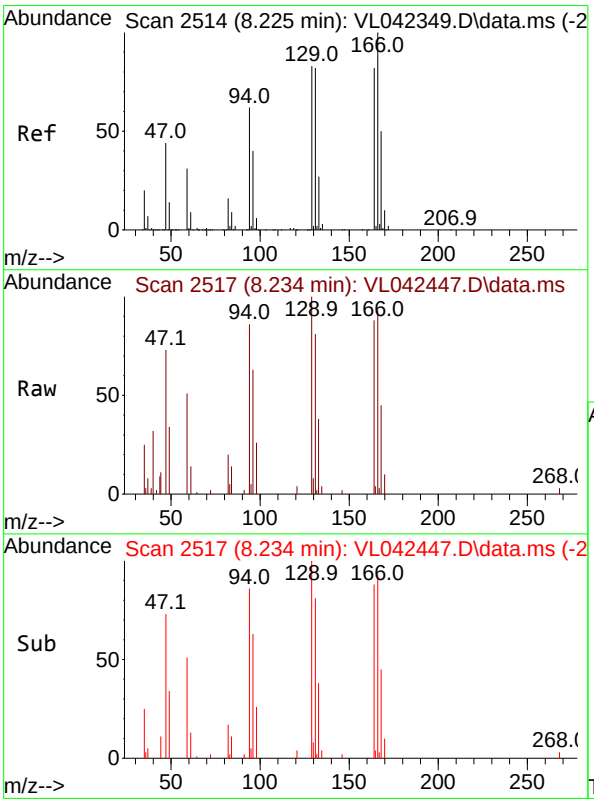
#41
Tetrahydrofuran
Concen: 0.208 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.026 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 42 Resp: 2988

Ion	Ratio	Lower	Upper
42	100		
72	29.9	32.3	48.5#
71	27.1	31.4	47.2#

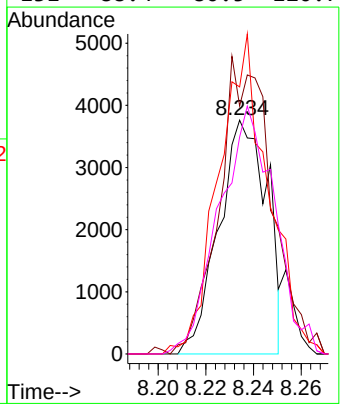


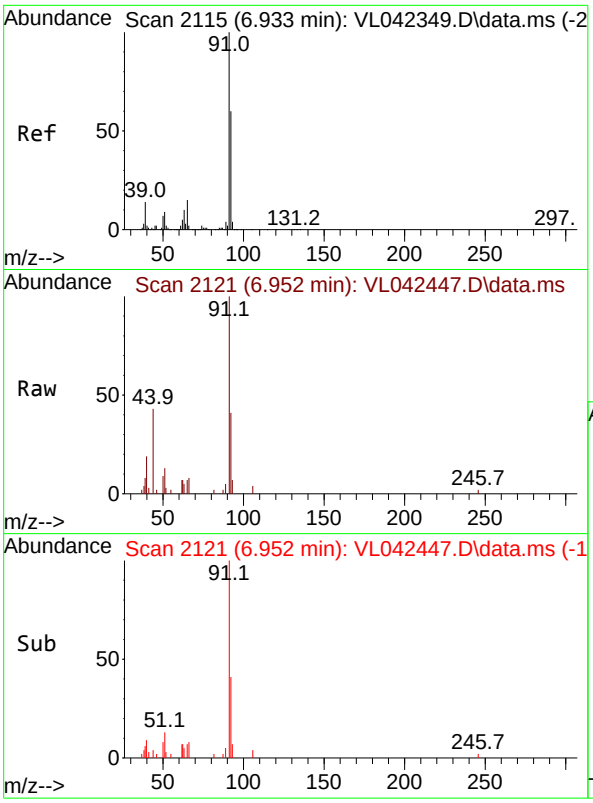


#52
Tetrachloroethene
Concen: 0.409 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:164 Resp: 5308

Ion	Ratio	Lower	Upper
164	100		
166	102.2	98.2	147.2
129	111.1	81.8	122.8
131	88.4	80.5	120.7



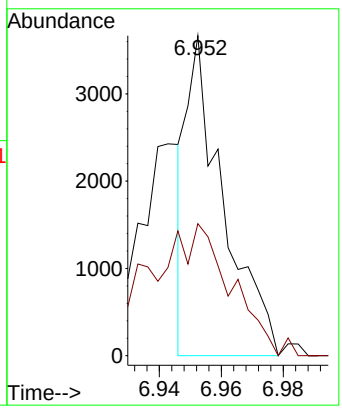


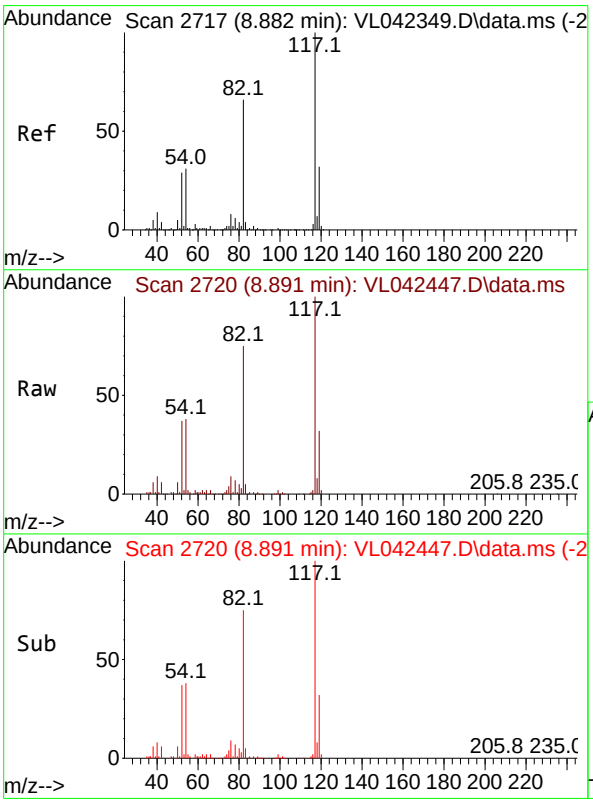
#53
Toluene
Concen: 0.075 ppbv
RT: 6.952 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 91 Resp: 3018

Ion	Ratio	Lower	Upper
91	100		
92	98.1	48.2	72.4#

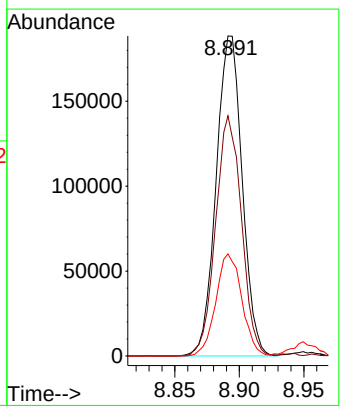


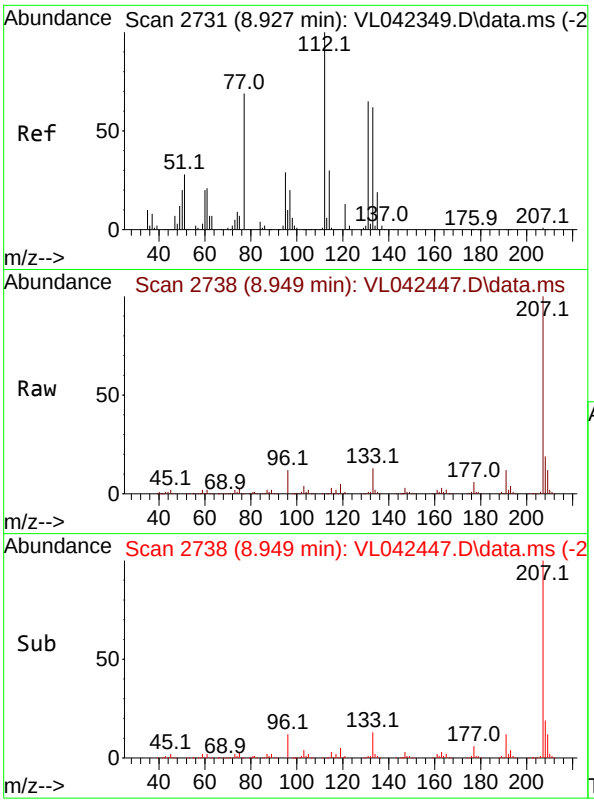


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:117 Resp: 264660

Ion	Ratio	Lower	Upper
117	100		
82	75.0	57.8	86.6
119	31.8	25.2	37.8



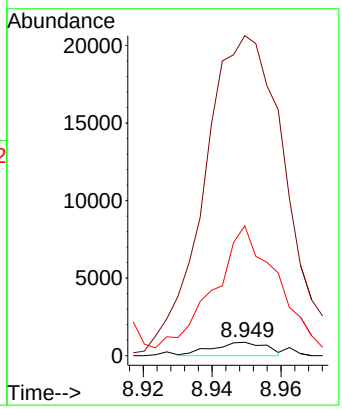


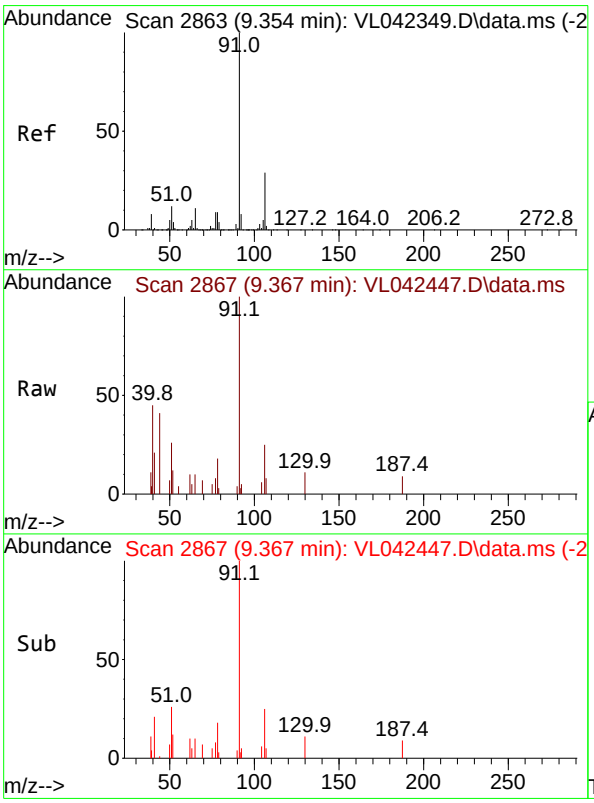
#56
1,1,1,2-Tetrachloroethane
Concen: 0.059 ppbv
RT: 8.949 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion:131 Resp: 942

Ion	Ratio	Lower	Upper
131	100		
133	3594.7	78.3	117.5#
119	1212.7	48.7	73.1#

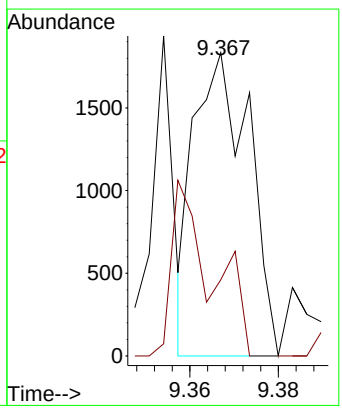


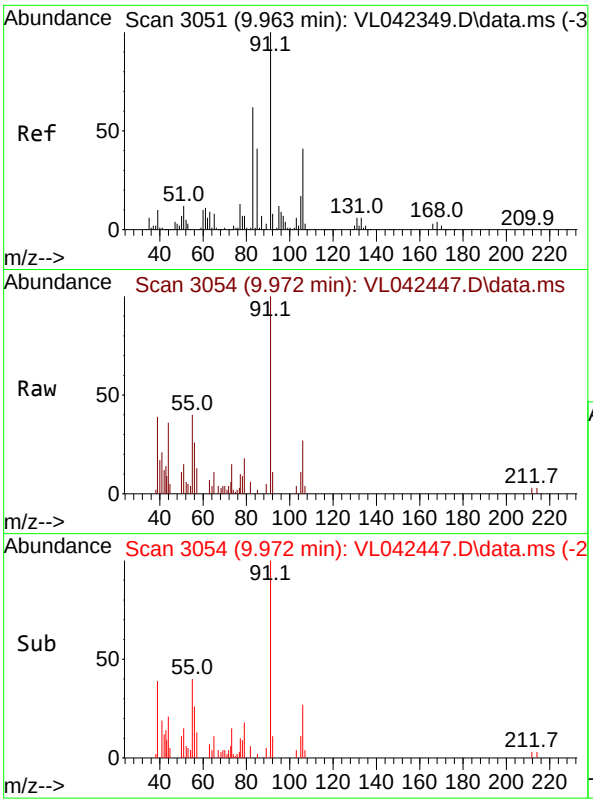


#58
Ethyl Benzene
Concen: 0.030 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.013 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 91 Resp: 1587

Ion	Ratio	Lower	Upper
91	100		
106	25.2	23.0	34.4



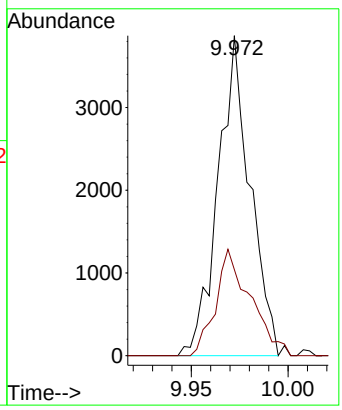


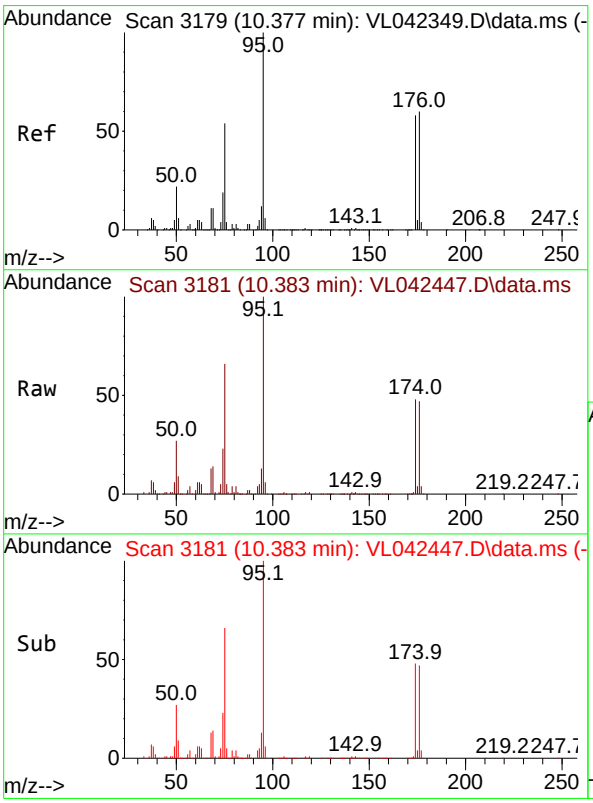
#60
o-Xylene
Concen: 0.104 ppbv
RT: 9.972 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion: 91 Resp: 4440

Ion	Ratio	Lower	Upper
91	100		
106	36.2	21.1	63.4

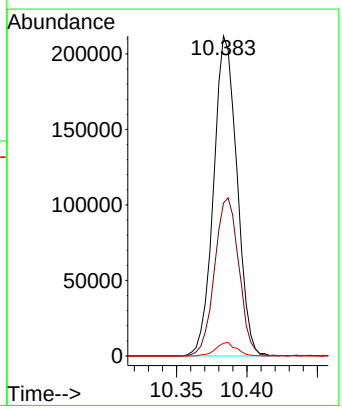


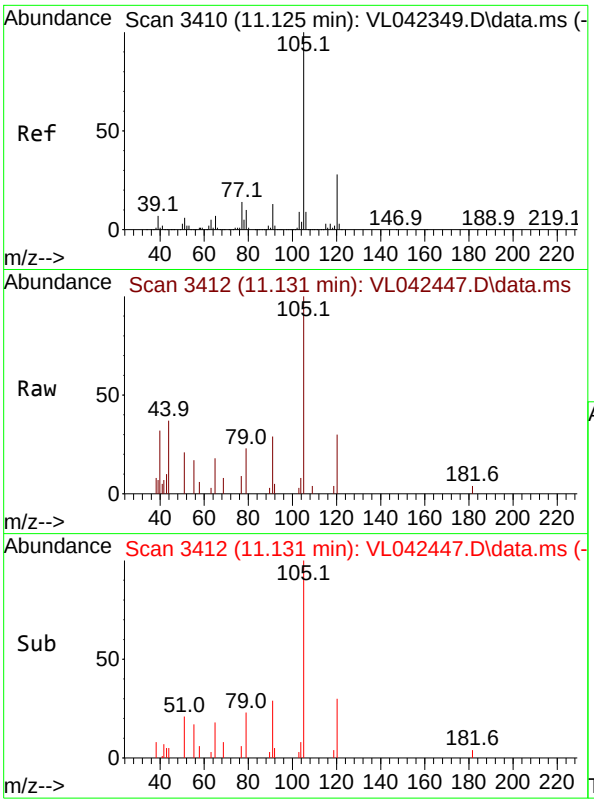


#68
1-Bromo-4-Fluorobenzene
Concen: 11.229 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion: 95 Resp: 244219

Ion	Ratio	Lower	Upper
95	100		
174	51.7	48.5	72.7
175	3.7	3.7	5.5



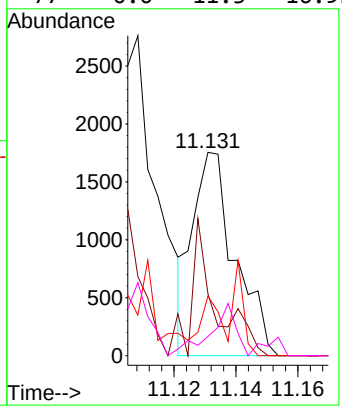


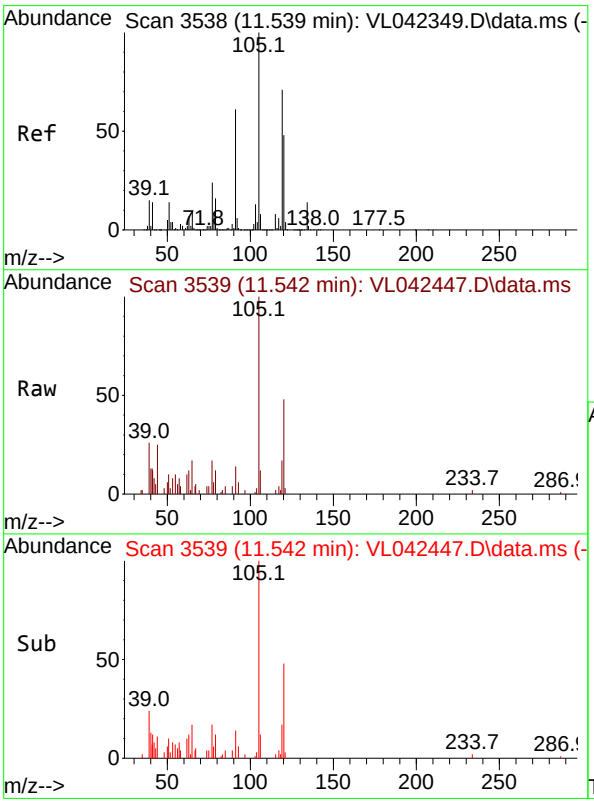
#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 11.131 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Instrument :
MSVOA_L
ClientSampleId :
EBR-SC-SS-DUP01-20250421

Tgt Ion:105 Resp: 1668

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	26.5	10.4	15.6#
77	0.0	11.3	16.9#

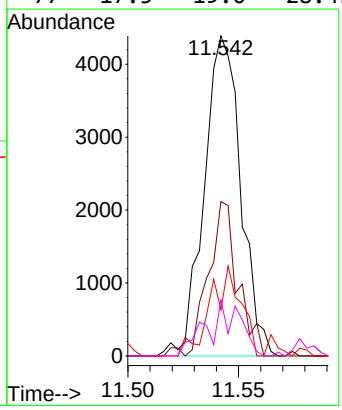




#74
1,2,4-Trimethylbenzene
Concen: 0.093 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042447.D
Acq: 29 Apr 2025 15:24

Tgt Ion:105 Resp: 4998

Ion	Ratio	Lower	Upper
105	100		
120	51.7	38.1	57.1
91	14.4	48.8	73.2#
77	17.5	19.0	28.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042448.D
Acq On : 29 Apr 2025 15:58
Operator : SY/MD
Sample : Q1880-07
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Quant Time: Apr 30 01:22:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

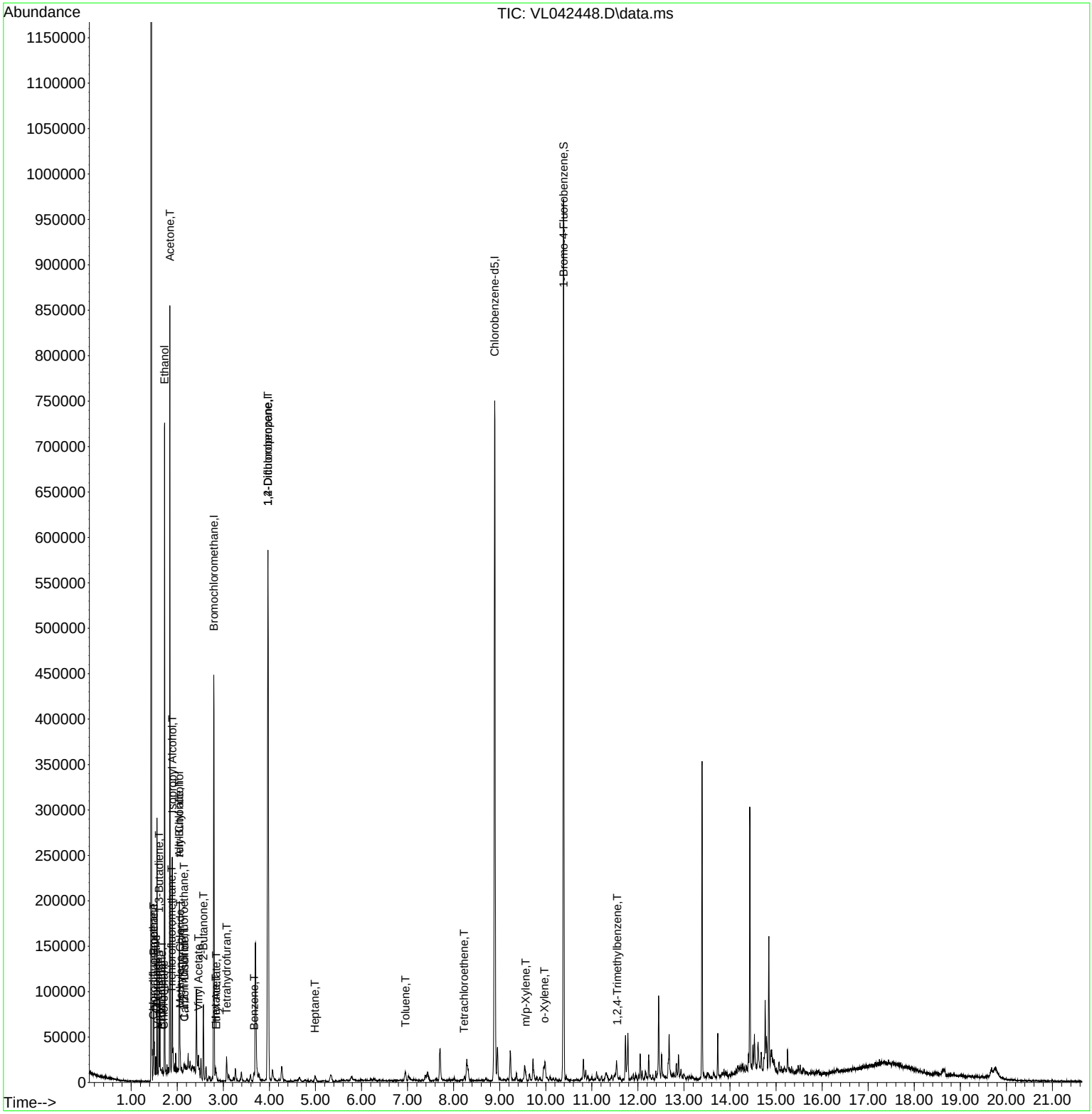
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	114087	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	307114	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.892	117	268915	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	239688	10.847	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.500%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.480	51	6565	0.342	ppbv #	89
4) Chloromethane	1.535	50	3074	0.385	ppbv #	84
5) Vinyl Chloride	1.583	62	718	0.083	ppbv	98
6) Bromomethane	1.667	94	143	0.038	ppbv #	45
7) Chloroethane	1.710	64	186	0.059	ppbv #	44
9) Propene	1.489	41	11421	1.307	ppbv	84
10) Heptane	4.988	43	1453	0.059	ppbv #	27
11) Trichlorofluoromethane	1.881	101	4348	0.227	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	1134	0.072	ppbv	97
13) Ethanol	1.722	45	257788	185.543	ppbv	76
15) Acetone	1.839	43	352540	18.876	ppbv	99
16) 1,3-Butadiene	1.603	39	13117	1.468	ppbv #	24
17) tert-Butyl alcohol	2.046	59	68971	2.980	ppbv	98
19) Isopropyl Alcohol	1.891	45	94932	9.150	ppbv #	7
20) Methylene Chloride	2.066	84	2278	0.311	ppbv #	50
21) Allyl Chloride	2.046	41	21187	1.643	ppbv #	63
23) Vinyl Acetate	2.460	43	15595	2.063	ppbv #	78
25) Ethyl Acetate	2.849	43	5734	0.125	ppbv #	93
26) Hexane	2.833	57	2509	0.135	ppbv #	88
27) Carbon Disulfide	2.156	76	1970	0.099	ppbv #	1
34) 2-Butanone	2.567	43	50884	2.095	ppbv	99
36) Benzene	3.671	78	4385	0.132	ppbv	96
39) 1,2-Dichloropropane	3.969	63	91029	7.374	ppbv #	22
41) Tetrahydrofuran	3.072	42	5749	0.406	ppbv #	67
52) Tetrachloroethene	8.228	164	438	0.034	ppbv #	48
53) Toluene	6.953	91	2284	0.057	ppbv #	1
59) m/p-Xylene	9.562	91	2975	0.069	ppbv #	32
60) o-Xylene	9.973	91	4213	0.097	ppbv	100
74) 1,2,4-Trimethylbenzene	11.549	105	1942	0.036	ppbv #	61

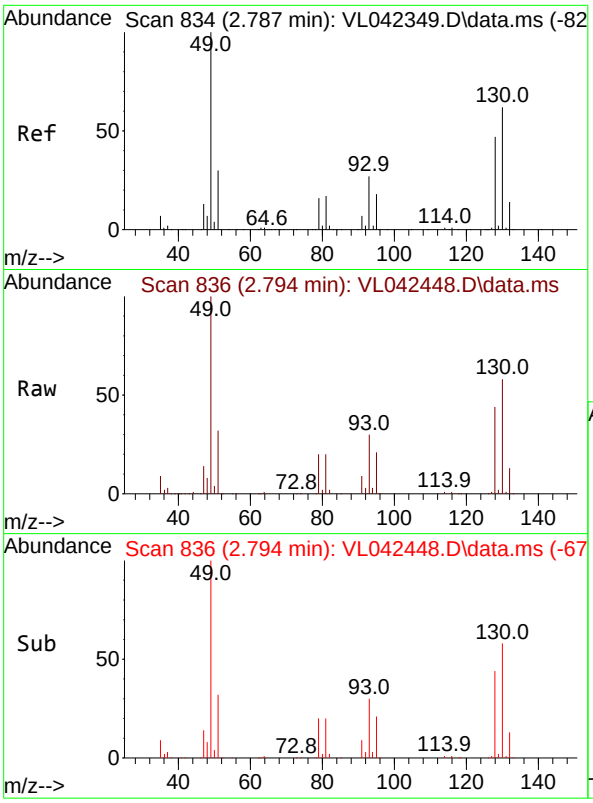
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042448.D
Acq On : 29 Apr 2025 15:58
Operator : SY/MD
Sample : Q1880-07
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Quant Time: Apr 30 01:22:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



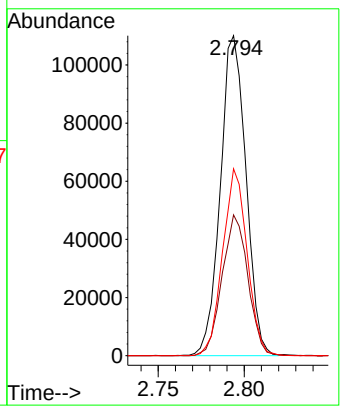


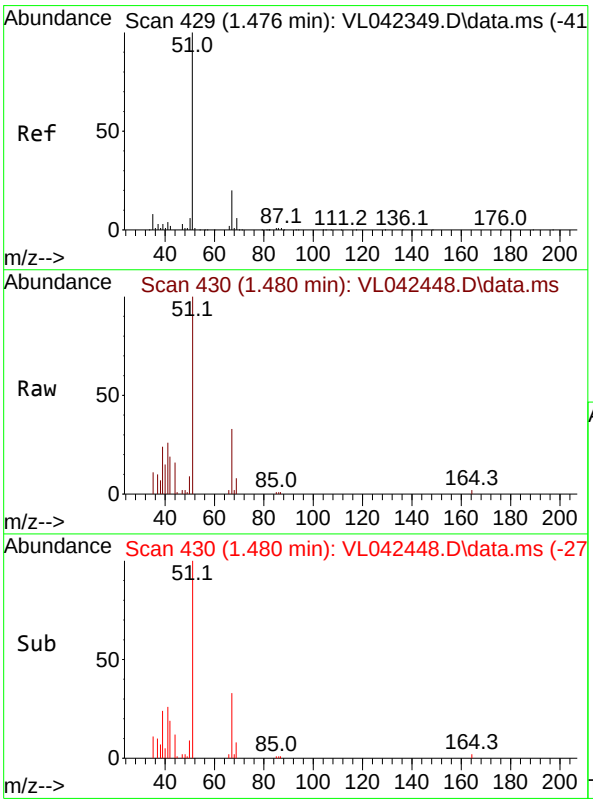
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 49 Resp: 114087

Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.8	68.4
130	55.7	29.3	88.0

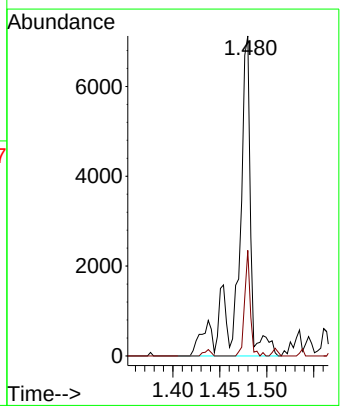


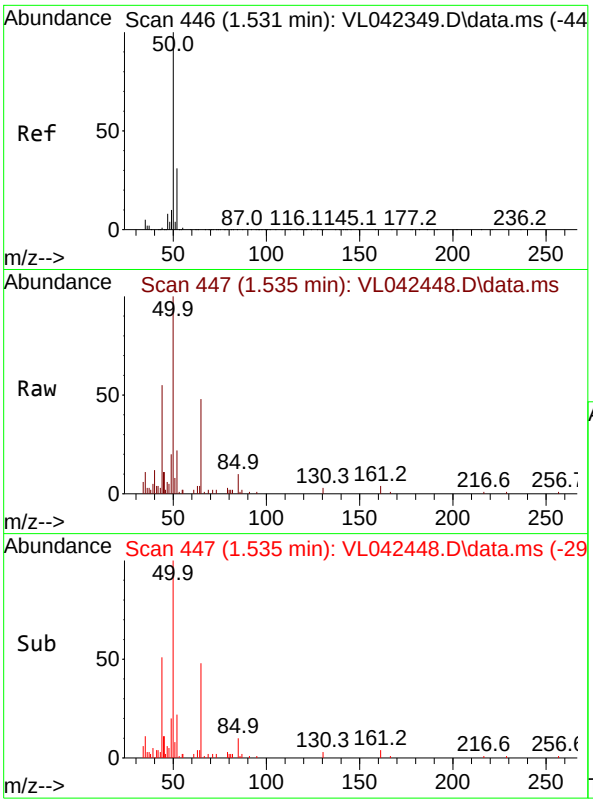


#3
Chlorodifluoromethane
Concen: 0.342 ppbv
RT: 1.480 min Scan# 430
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 51 Resp: 6565

Ion	Ratio	Lower	Upper
51	100		
67	15.0	16.2	24.4#



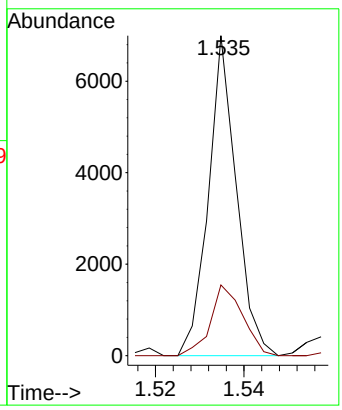


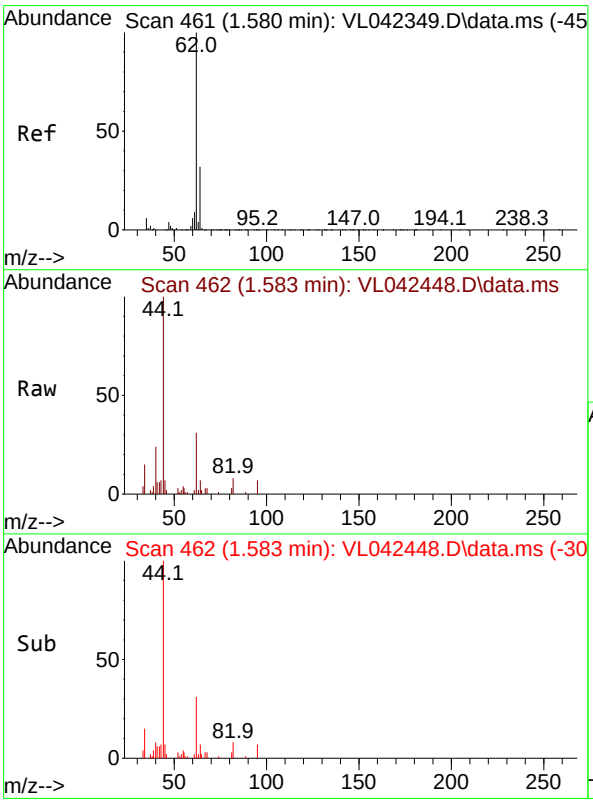
#4
Chloromethane
Concen: 0.385 ppbv
RT: 1.535 min Scan# 44
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 50 Resp: 3074

Ion	Ratio	Lower	Upper
50	100		
52	22.1	24.7	37.1#

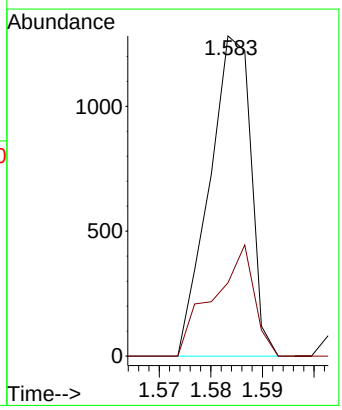


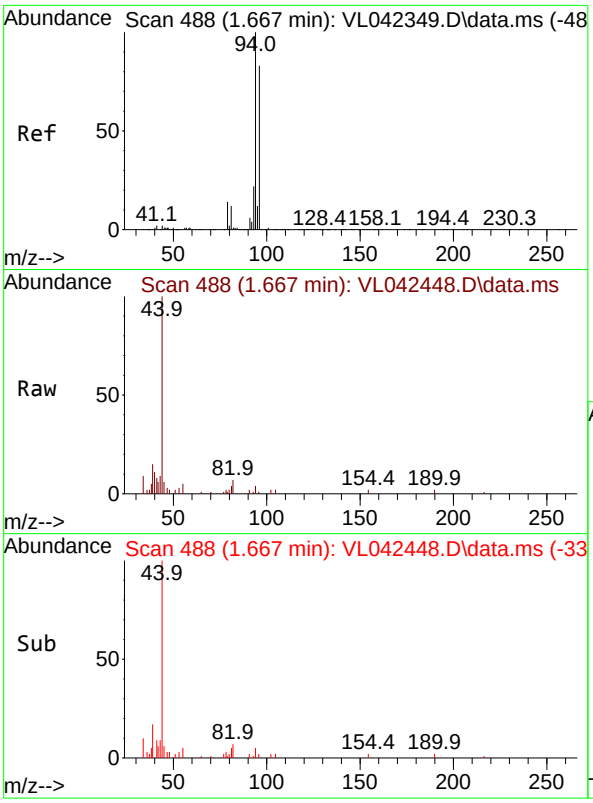


#5
Vinyl Chloride
Concen: 0.083 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 62 Resp: 718

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.4	38.0



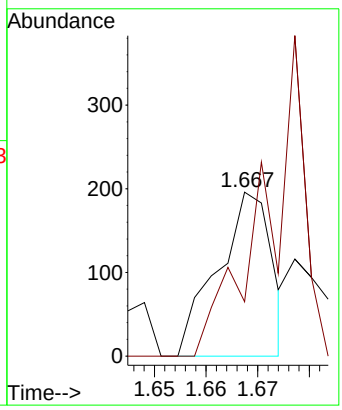


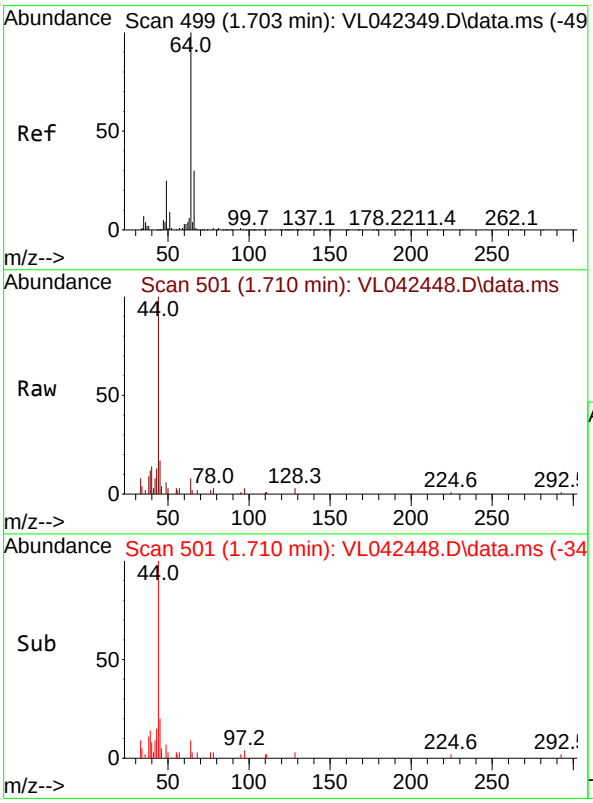
#6
Bromomethane
Concen: 0.038 ppbv
RT: 1.667 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 94 Resp: 143

Ion	Ratio	Lower	Upper
94	100		
96	33.2	66.2	99.2#

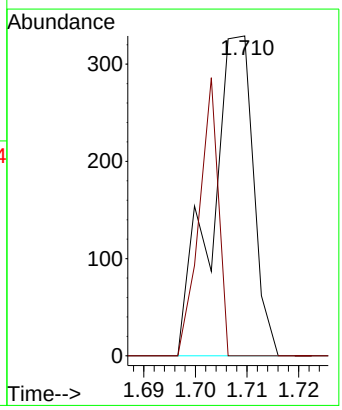


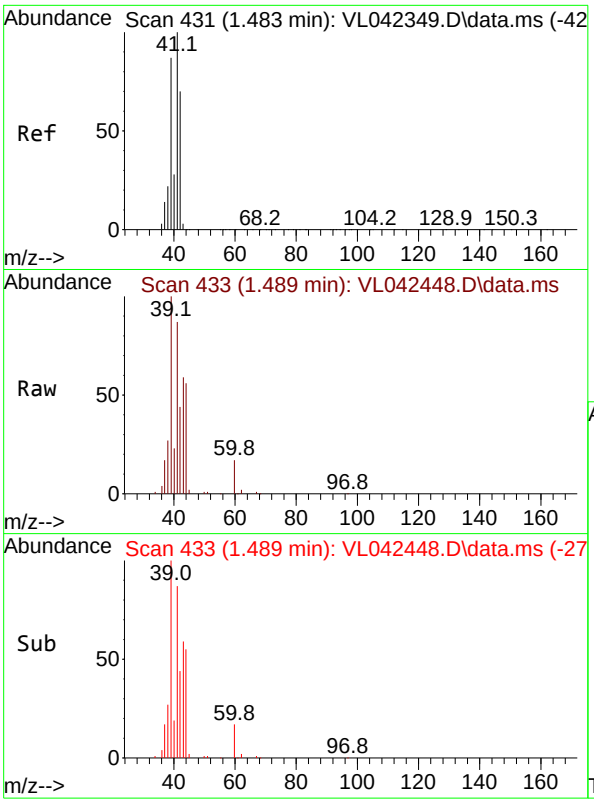


#7
Chloroethane
Concen: 0.059 ppbv
RT: 1.710 min Scan# 501
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 64 Resp: 186

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.6	37.0#



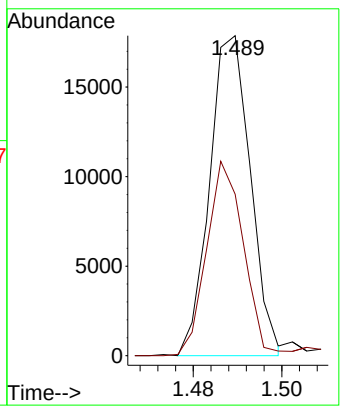


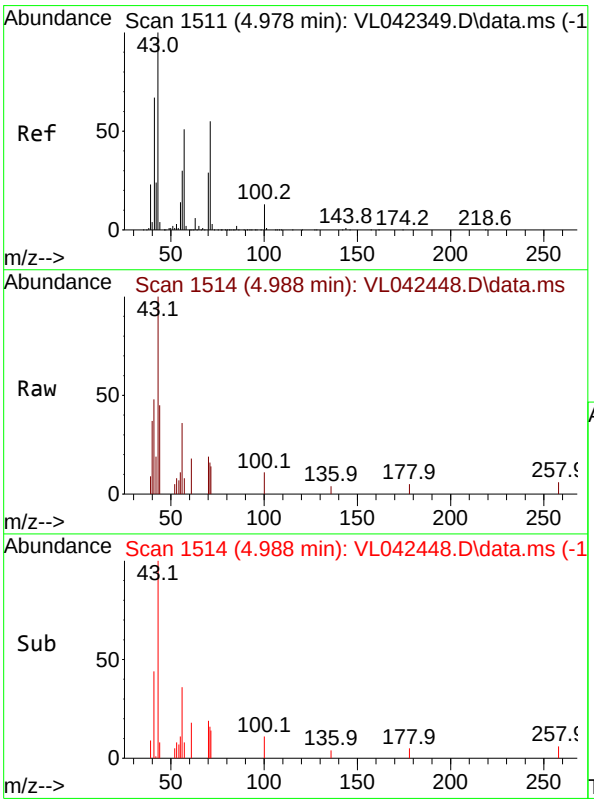
#9
Propene
Concen: 1.307 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 41 Resp: 11421

Ion	Ratio	Lower	Upper
41	100		
42	57.0	56.2	84.4

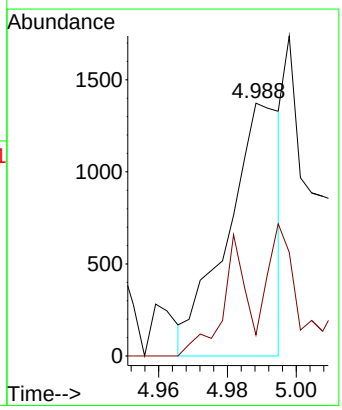


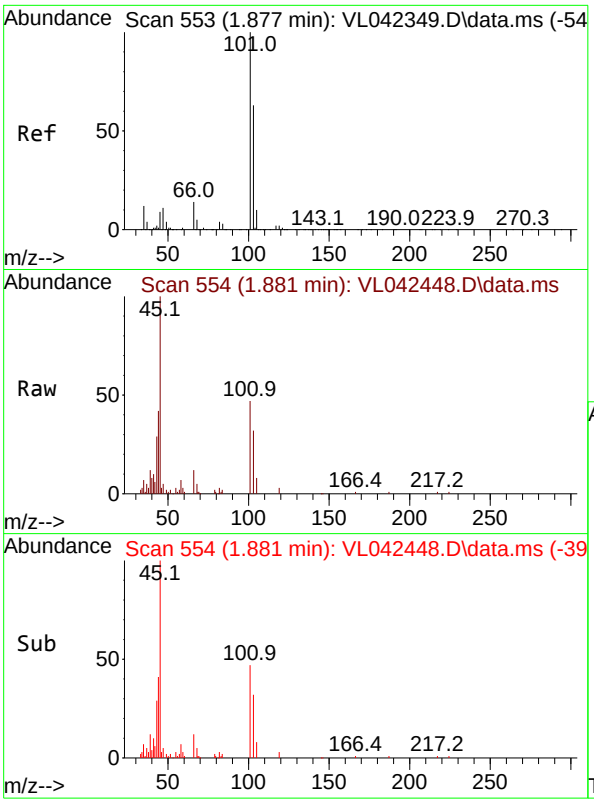


#10
Heptane
Concen: 0.059 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 43 Resp: 1453

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.9	59.9#



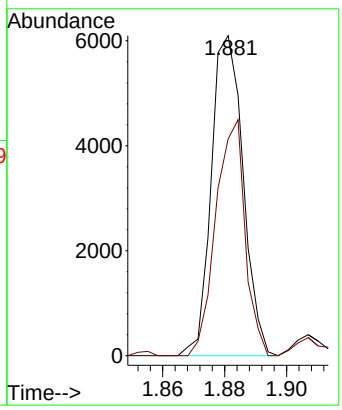


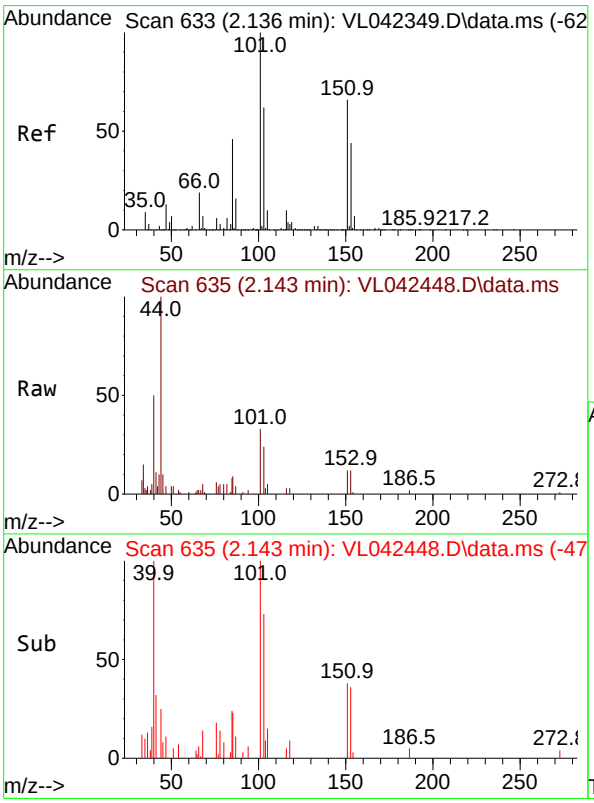
#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion:101 Resp: 4348

Ion	Ratio	Lower	Upper
101	100		
103	67.7	50.1	75.1

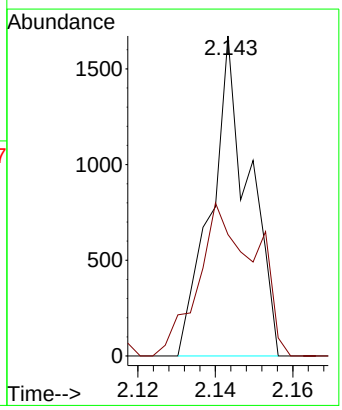


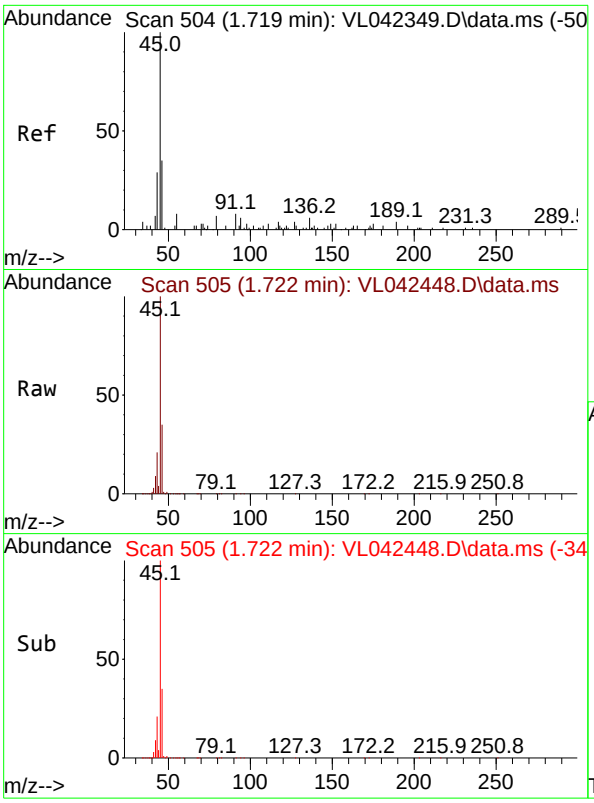


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.072 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:101 Resp: 1134

Ion	Ratio	Lower	Upper
101	100		
151	73.5	57.0	85.6



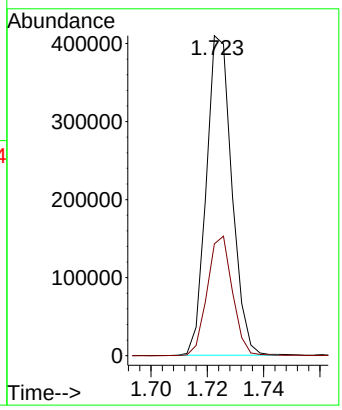


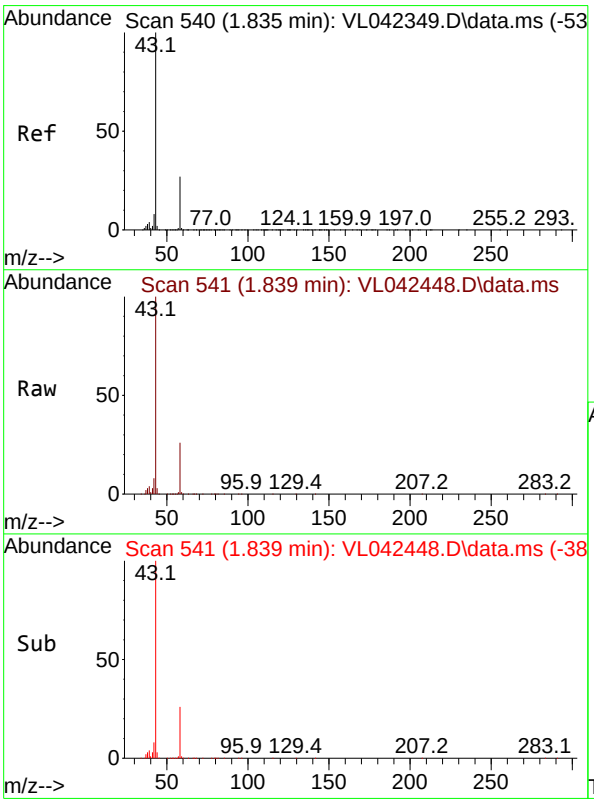
#13
Ethanol
Concen: 185.543 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 45 Resp: 257788

Ion	Ratio	Lower	Upper
45	100		
46	37.3	21.9	87.7

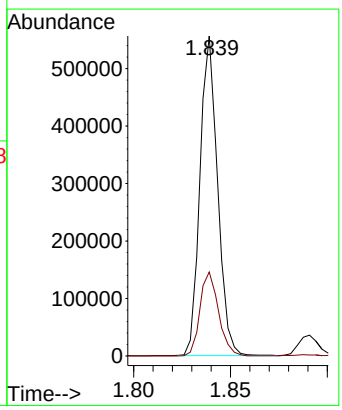


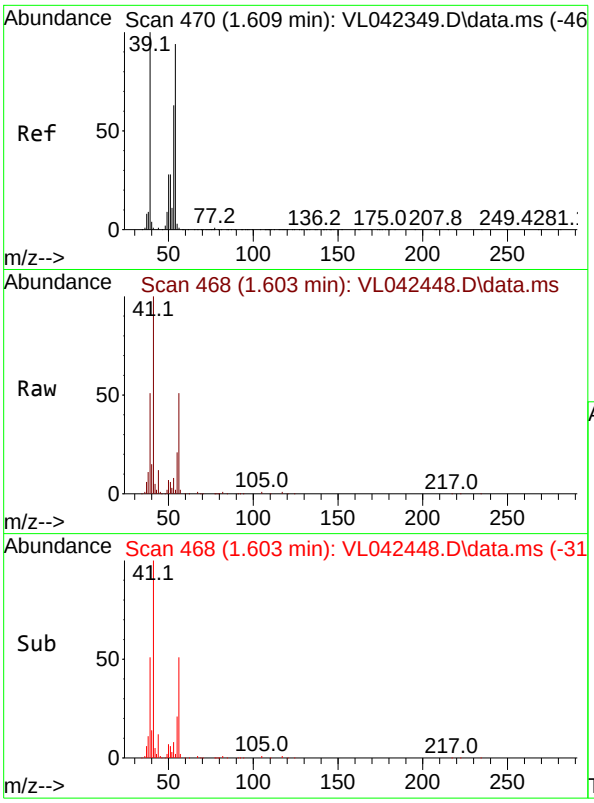


#15
Acetone
Concen: 18.876 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 43 Resp: 352540

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6



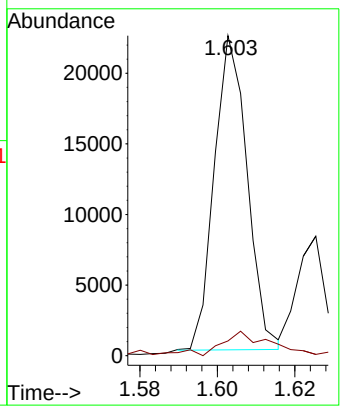


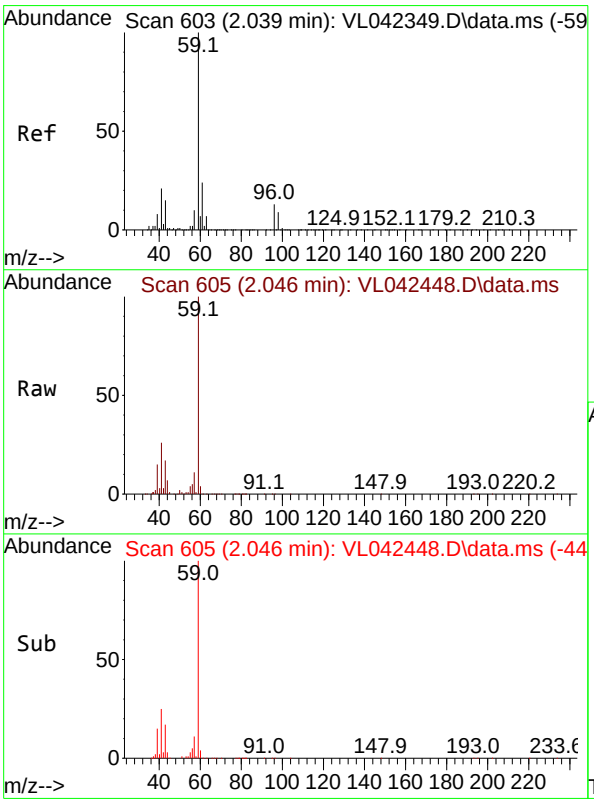
#16
1,3-Butadiene
Concen: 1.468 ppbv
RT: 1.603 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 39 Resp: 13117

Ion	Ratio	Lower	Upper
39	100		
54	13.2	64.9	97.3#

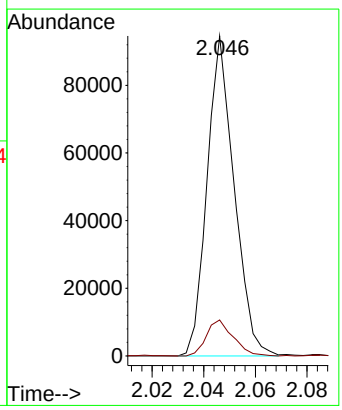


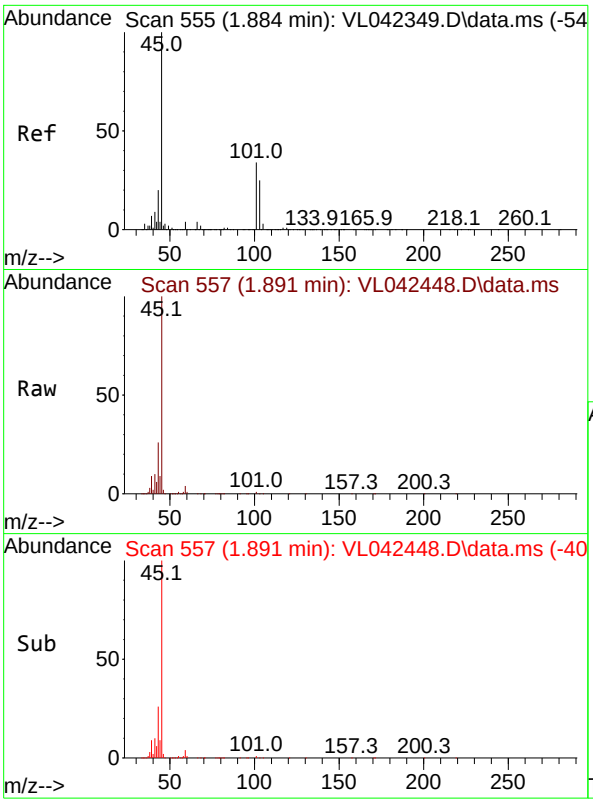


#17
tert-Butyl alcohol
Concen: 2.980 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 59 Resp: 68971

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.7	13.1



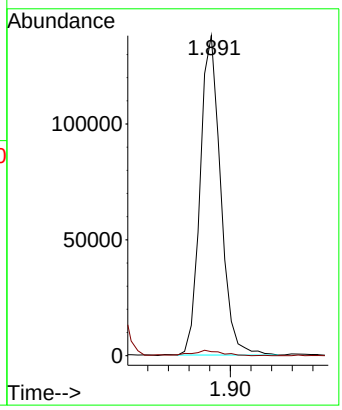


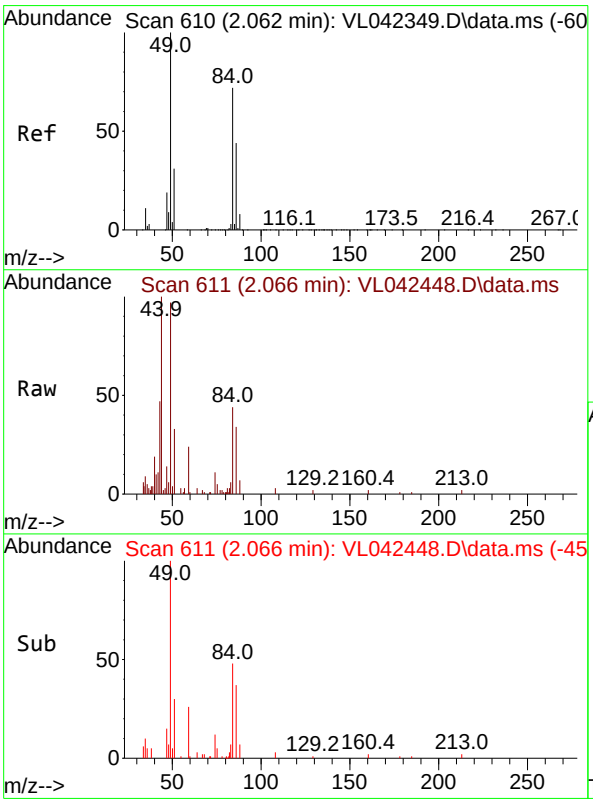
#19
Isopropyl Alcohol
Concen: 9.150 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 45 Resp: 94932

Ion	Ratio	Lower	Upper
45	100		
58	102.7	34.5	51.7#

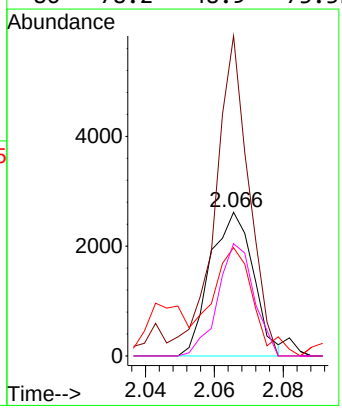


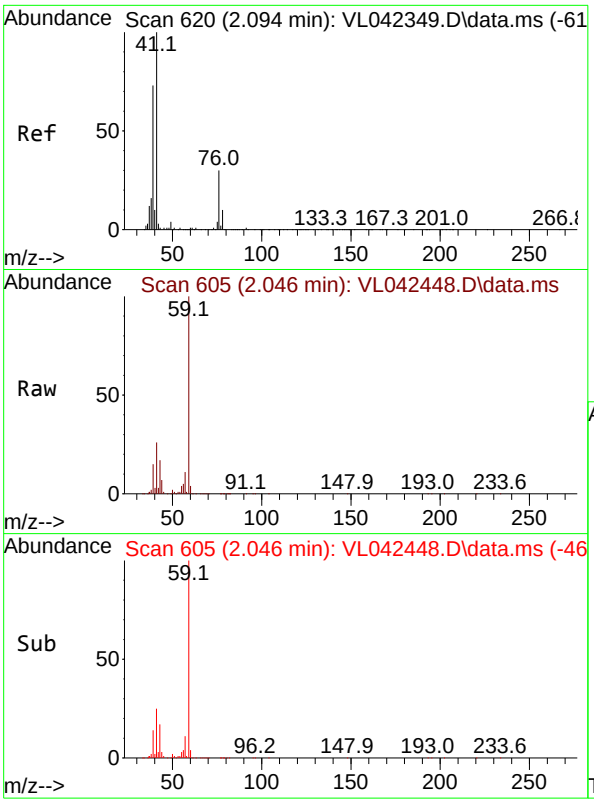


#20
Methylene Chloride
Concen: 0.311 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 84 Resp: 2278

Ion	Ratio	Lower	Upper
84	100		
49	222.7	111.6	167.4#
51	61.9	35.1	52.7#
86	78.2	48.9	73.3#



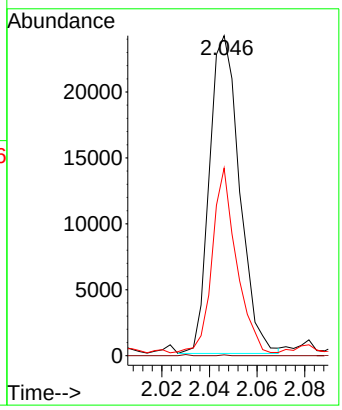


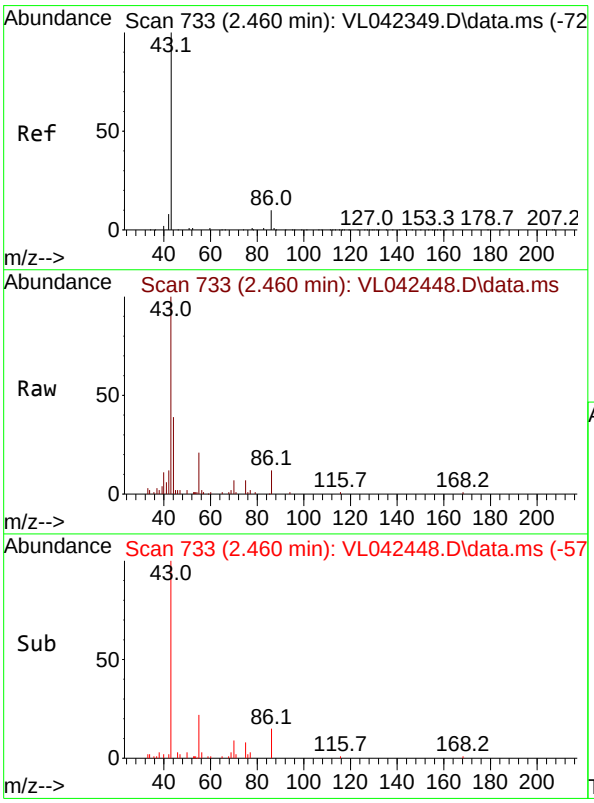
#21
Allyl Chloride
Concen: 1.643 ppbv
RT: 2.046 min Scan# 6
Delta R.T. -0.048 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 41 Resp: 21187

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.8	37.2#
39	51.3	60.6	90.8#

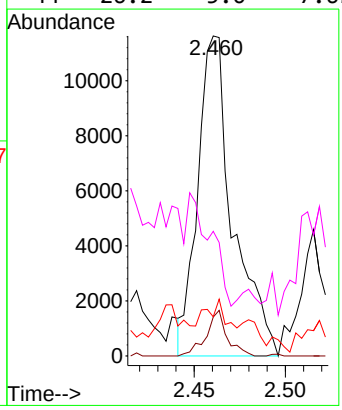


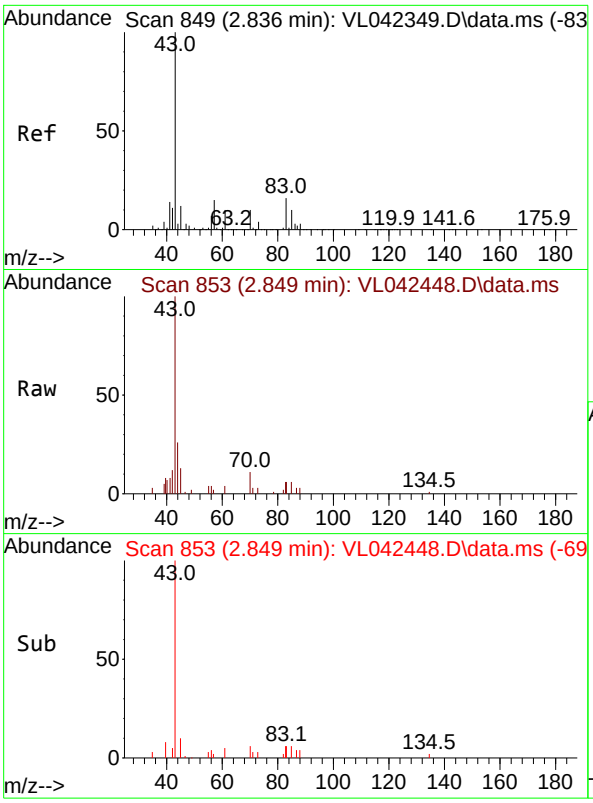


#23
Vinyl Acetate
Concen: 2.063 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.000 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 43 Resp: 15595

Ion	Ratio	Lower	Upper
43	100		
86	12.2	6.5	9.7#
42	7.2	7.8	11.8#
44	26.2	5.0	7.6#



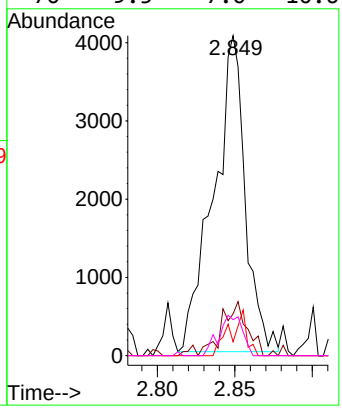


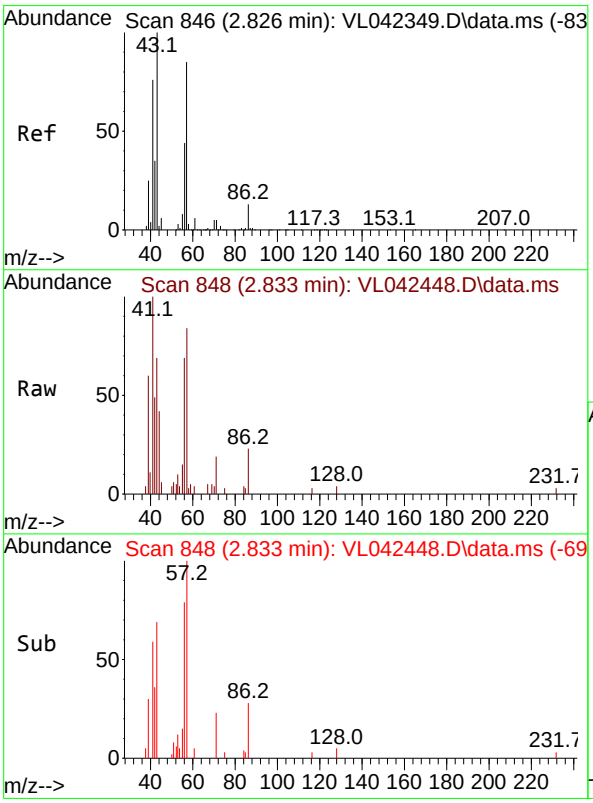
#25
Ethyl Acetate
Concen: 0.125 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.013 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 43 Resp: 5734

Ion	Ratio	Lower	Upper
43	100		
45	15.0	8.3	12.5#
61	7.5	7.3	10.9
70	9.5	7.0	10.6

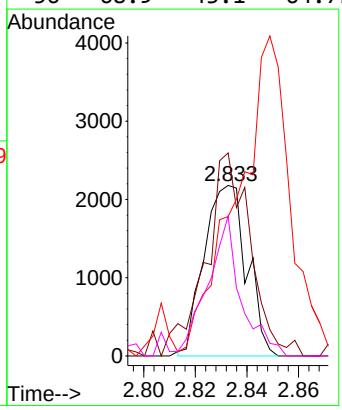


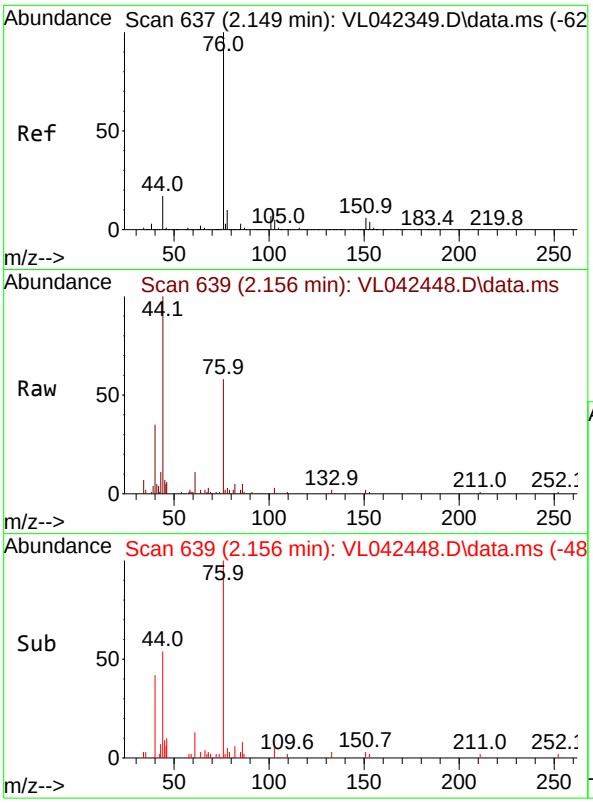


#26
Hexane
Concen: 0.135 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 57 Resp: 2509

Ion	Ratio	Lower	Upper
57	100		
41	127.1	77.9	116.9#
43	265.2	208.4	312.6
56	68.9	43.1	64.7#



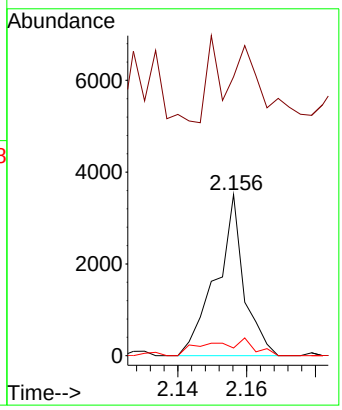


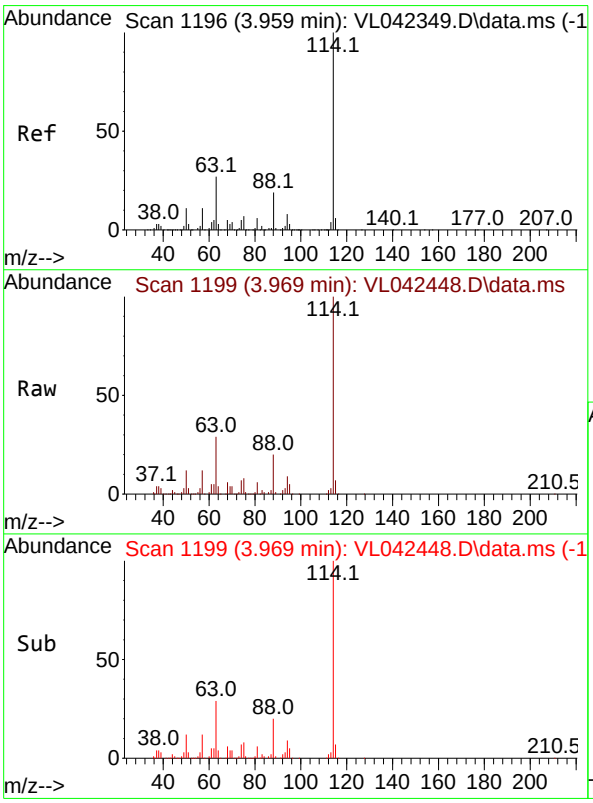
#27
Carbon Disulfide
Concen: 0.099 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 76 Resp: 1970

Ion	Ratio	Lower	Upper
76	100		
44	773.0	15.5	23.3#
78	18.6	9.3	13.9#

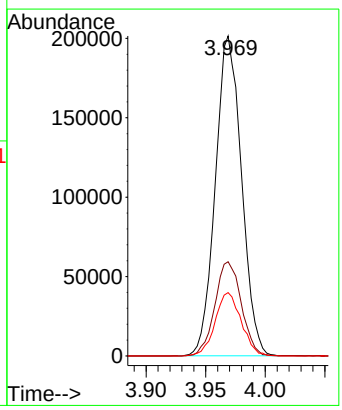


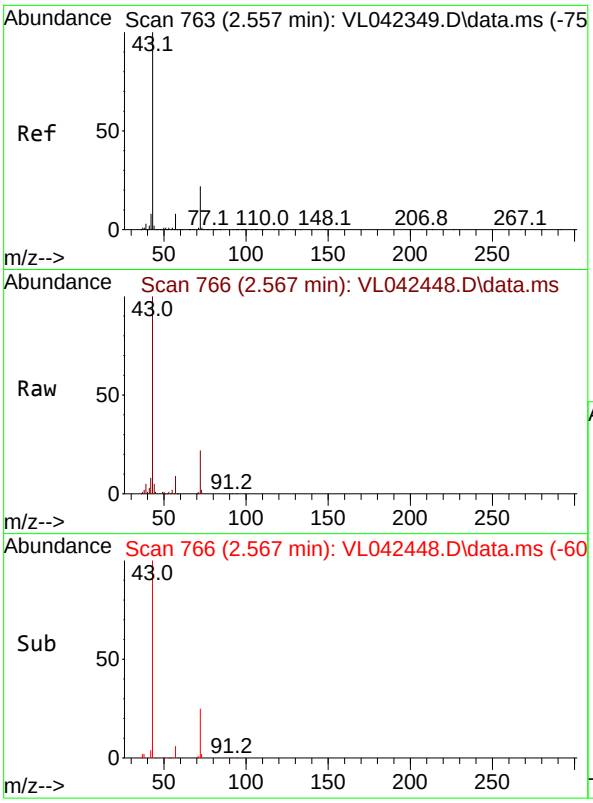


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion:114 Resp: 307114

Ion	Ratio	Lower	Upper
114	100		
63	29.9	21.8	32.6
88	19.8	15.5	23.3



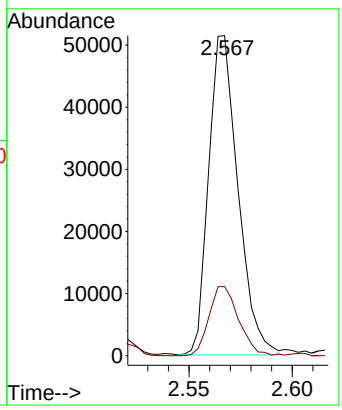


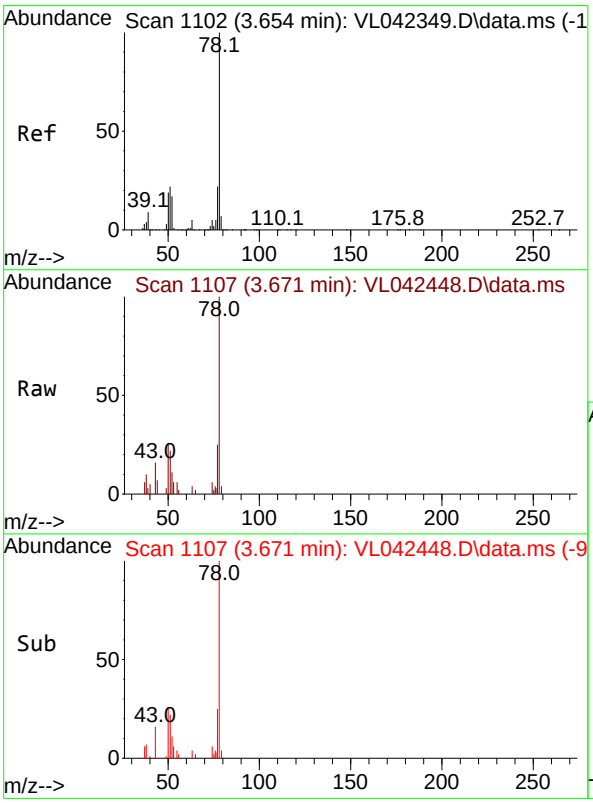
#34
2-Butanone
Concen: 2.095 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 43 Resp: 50884

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2

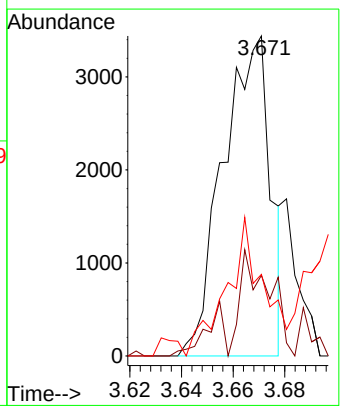


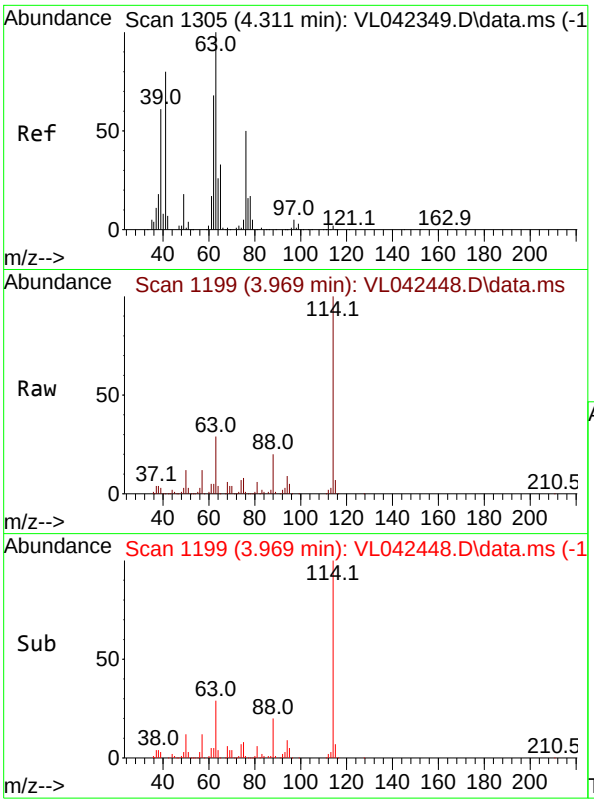


#36
Benzene
Concen: 0.132 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.017 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 78 Resp: 4385

Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.4	26.0
50	20.9	15.5	23.3



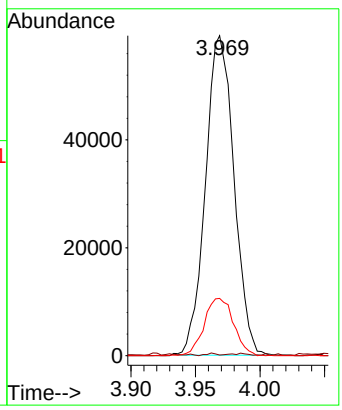


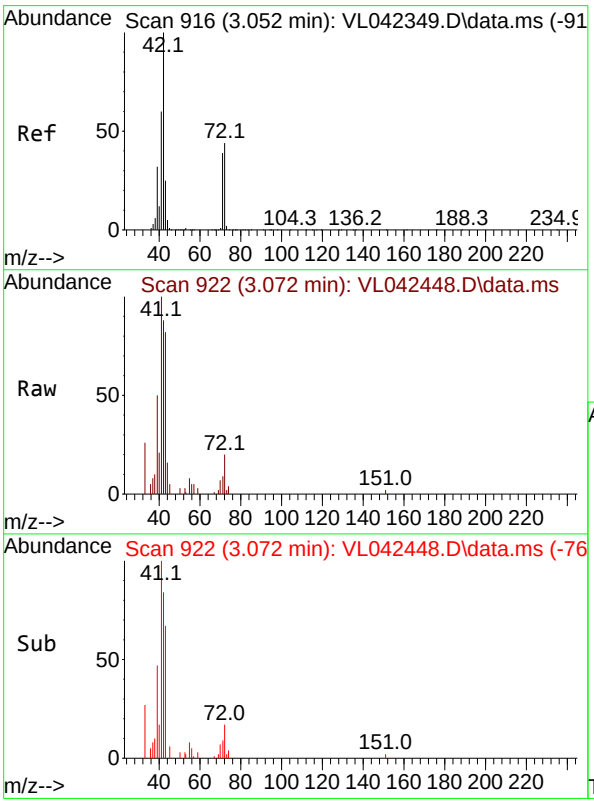
#39
1,2-Dichloropropane
Concen: 7.374 ppbv
RT: 3.969 min Scan# 11
Delta R.T. -0.343 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 63 Resp: 91029

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	17.9	54.3	81.5#

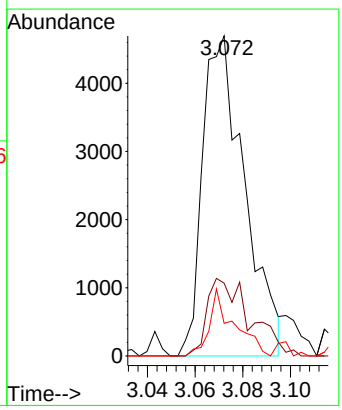


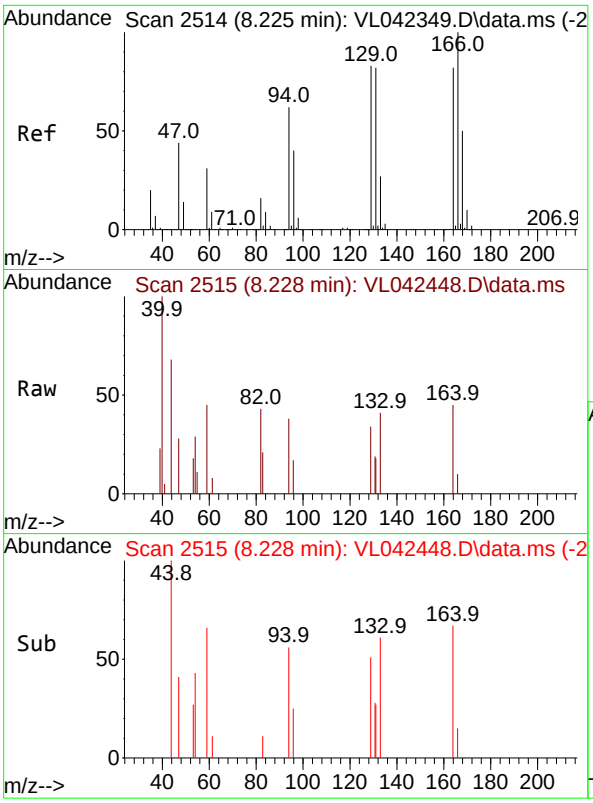


#41
Tetrahydrofuran
Concen: 0.406 ppbv
RT: 3.072 min Scan# 922
Delta R.T. 0.020 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 42 Resp: 5749

Ion	Ratio	Lower	Upper
42	100		
72	24.8	32.3	48.5#
71	13.6	31.4	47.2#



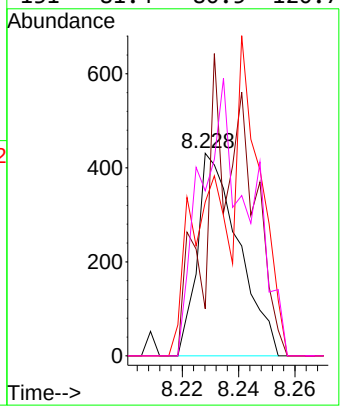


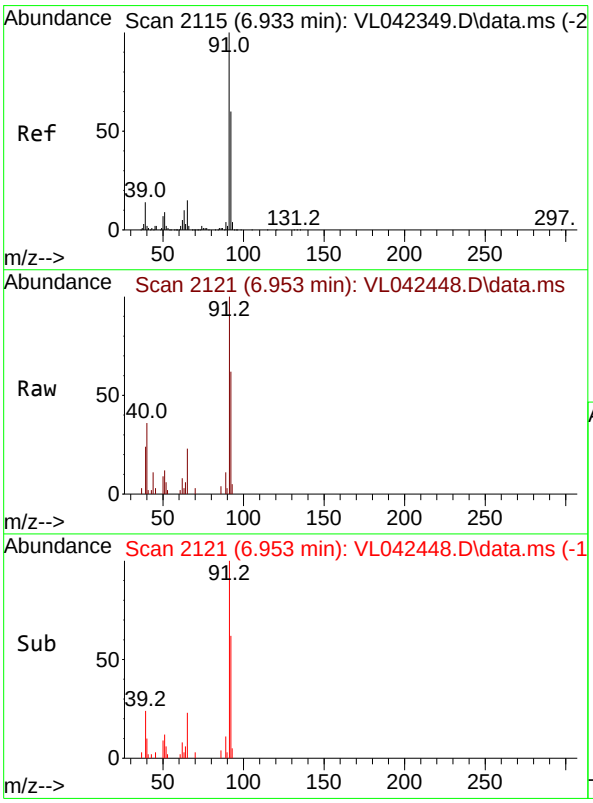
#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 8.228 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion:164 Resp: 438

Ion	Ratio	Lower	Upper
164	100		
166	23.2	98.2	147.2#
129	60.6	81.8	122.8#
131	81.4	80.5	120.7

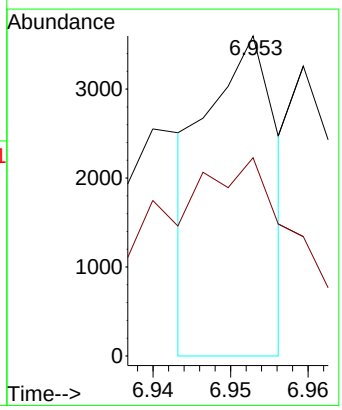


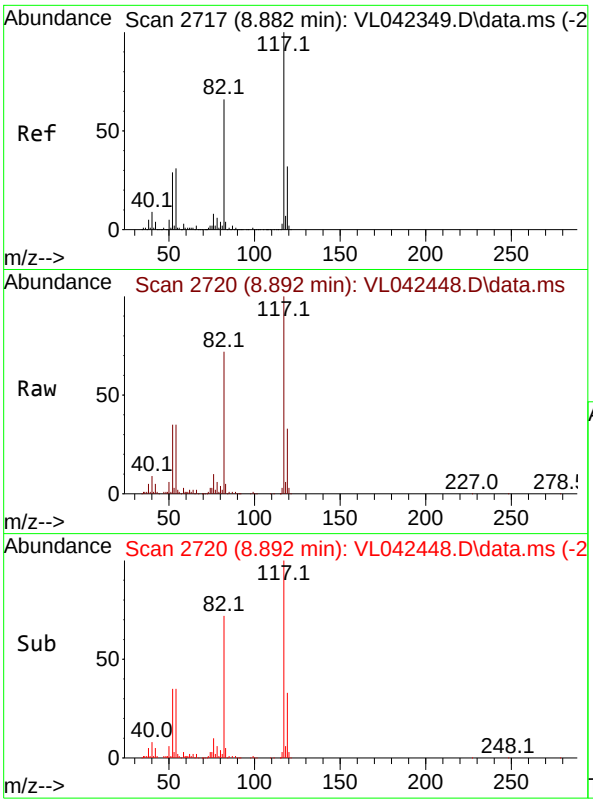


#53
Toluene
Concen: 0.057 ppbv
RT: 6.953 min Scan# 2121
Delta R.T. 0.020 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 91 Resp: 2284

Ion	Ratio	Lower	Upper
91	100		
92	180.3	48.2	72.4#



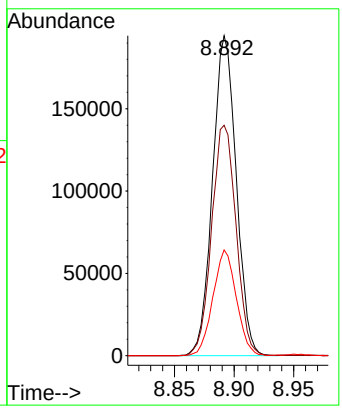


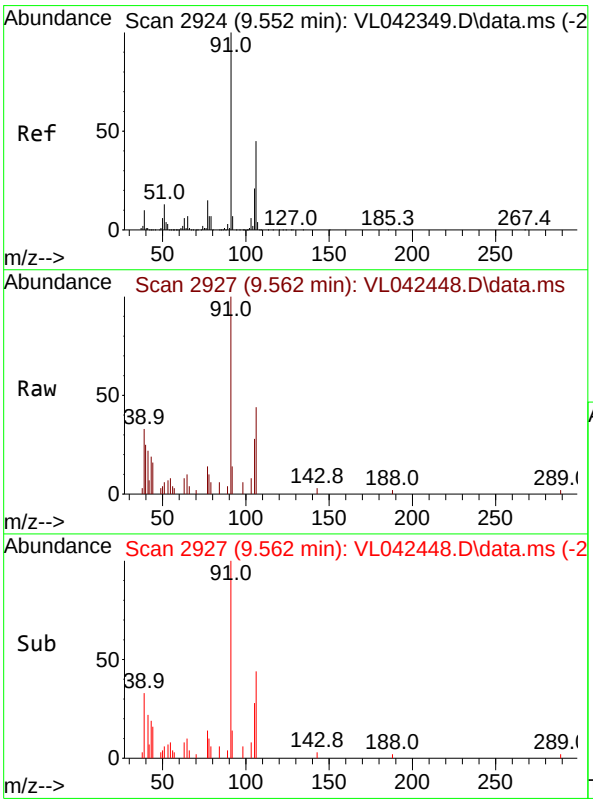
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion:117 Resp: 268915

Ion	Ratio	Lower	Upper
117	100		
82	74.1	57.8	86.6
119	32.7	25.2	37.8

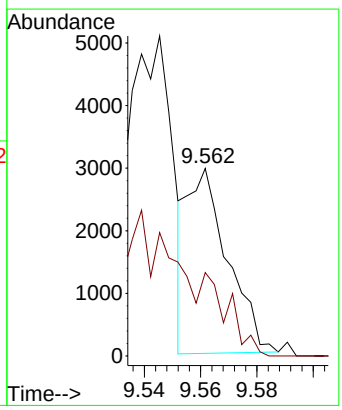


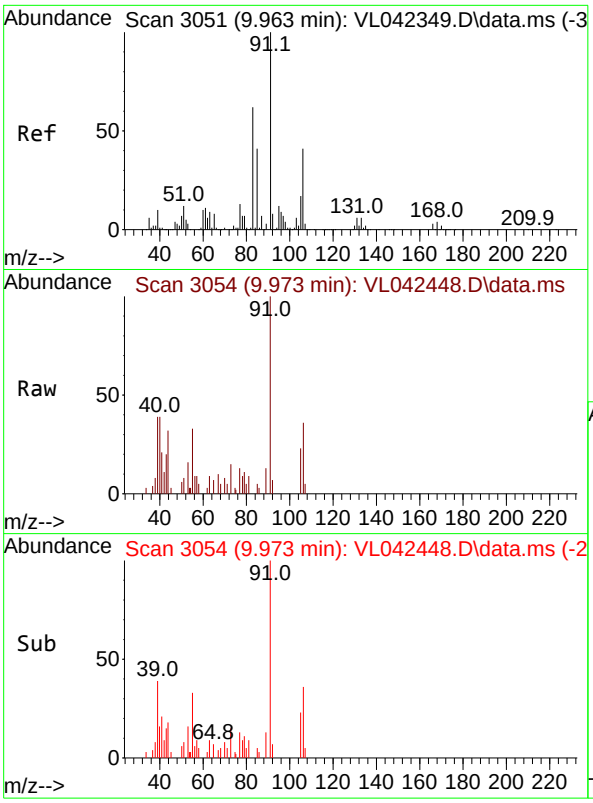


#59
m/p-Xylene
Concen: 0.069 ppbv
RT: 9.562 min Scan# 2927
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 91 Resp: 2975

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



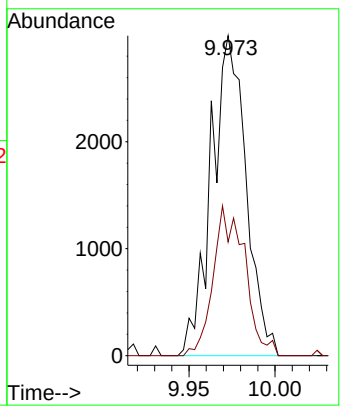


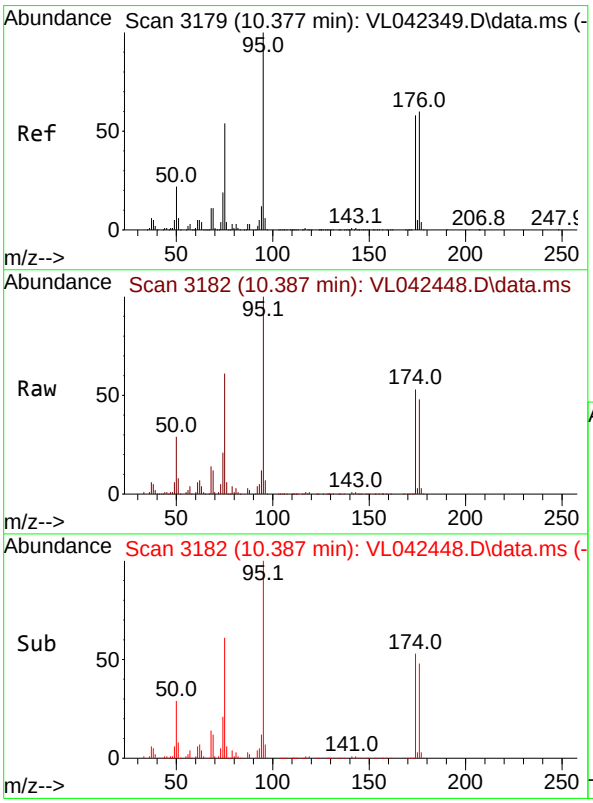
#60
o-Xylene
Concen: 0.097 ppbv
RT: 9.973 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion: 91 Resp: 4213

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.1	63.4

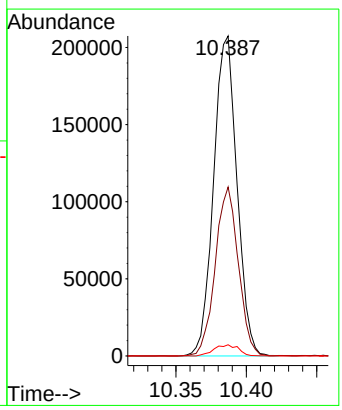


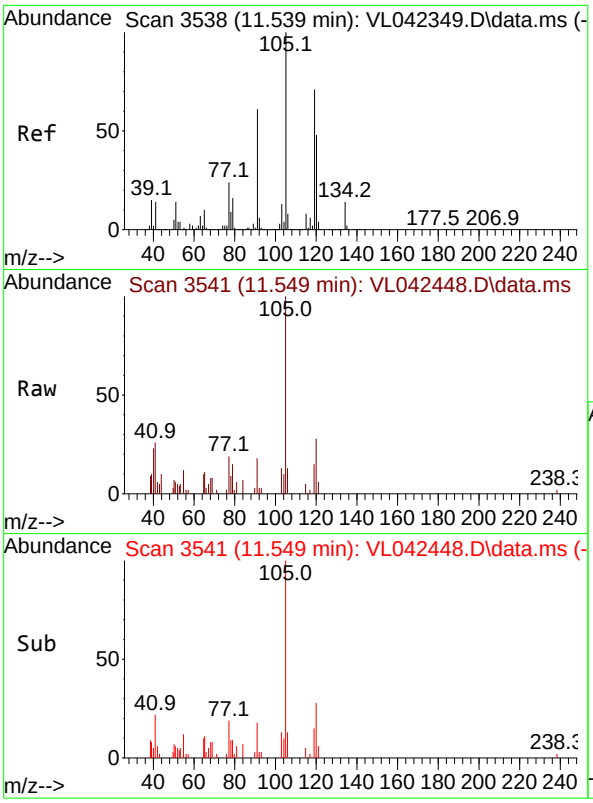


#68
1-Bromo-4-Fluorobenzene
Concen: 10.847 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Tgt Ion: 95 Resp: 239688

Ion	Ratio	Lower	Upper
95	100		
174	52.2	48.5	72.7
175	3.7	3.7	5.5#



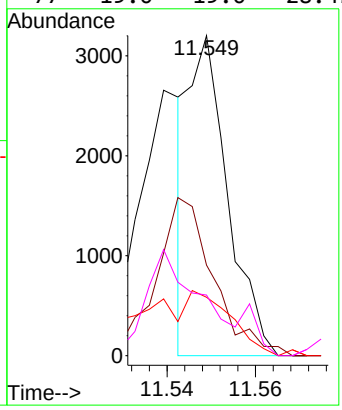


#74
1,2,4-Trimethylbenzene
Concen: 0.036 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL042448.D
Acq: 29 Apr 2025 15:58

Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-SS01-20250422

Tgt Ion:105 Resp: 1942

Ion	Ratio	Lower	Upper
105	100		
120	25.4	38.1	57.1#
91	18.3	48.8	73.2#
77	19.0	19.0	28.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042449.D
Acq On : 29 Apr 2025 16:32
Operator : SY/MD
Sample : Q1880-11
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Quant Time: Apr 30 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

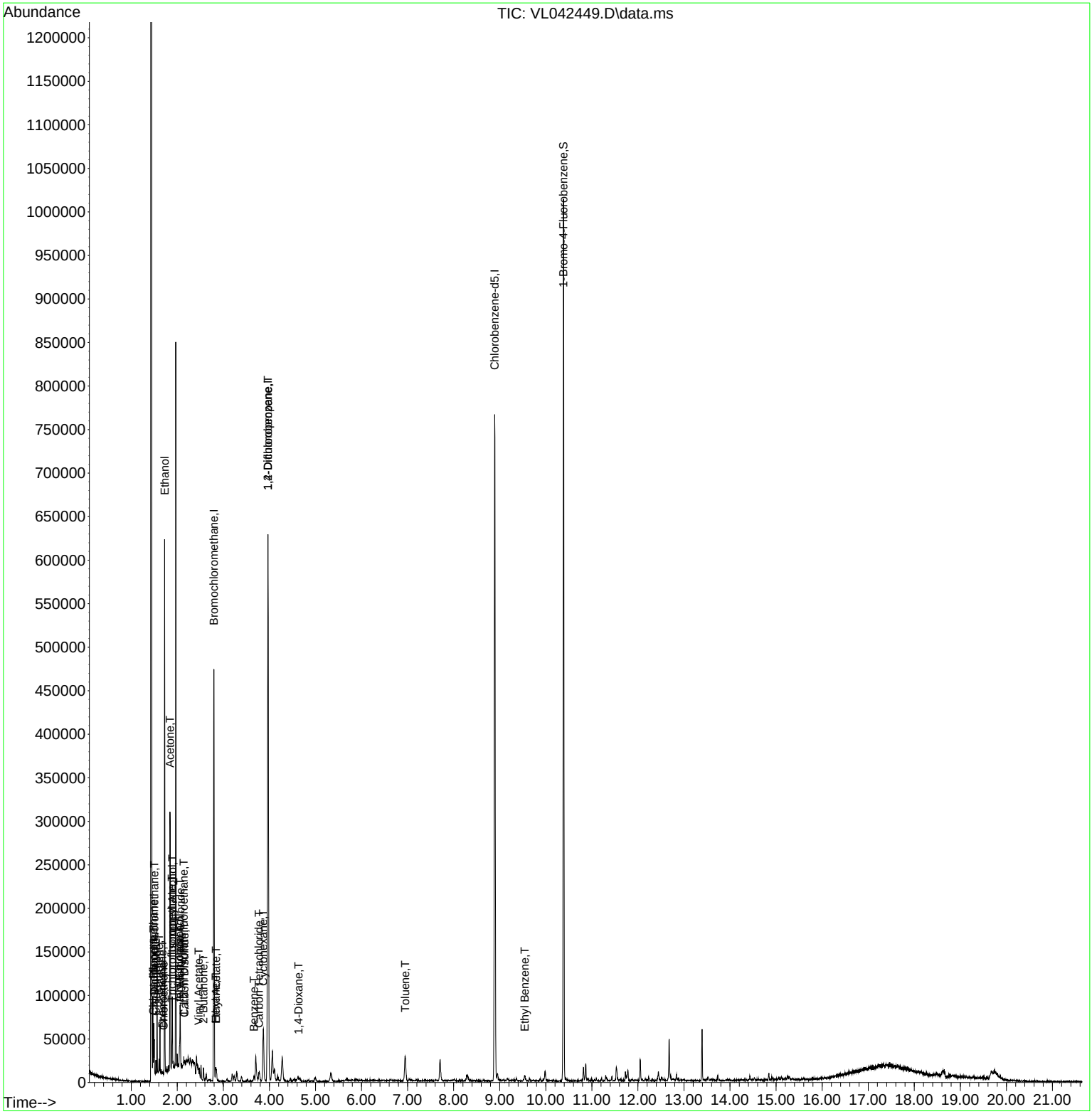
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.793	49	124520	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	329514	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.891	117	273576	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	247059	10.990	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	10375	0.472	ppbv		99
3) Chlorodifluoromethane	1.479	51	8011	0.382	ppbv	#	89
4) Chloromethane	1.534	50	4212	0.484	ppbv		93
6) Bromomethane	1.677	94	191	0.047	ppbv	#	46
7) Chloroethane	1.703	64	146	0.043	ppbv	#	44
9) Propene	1.489	41	4143	0.434	ppbv	#	15
11) Trichlorofluoromethane	1.881	101	6624	0.317	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.140	101	1053	0.062	ppbv		97
13) Ethanol	1.725	45	203780	134.382	ppbv		74
15) Acetone	1.842	43	137336	6.737	ppbv		90
16) 1,3-Butadiene	1.602	39	2502	0.257	ppbv	#	33
17) tert-Butyl alcohol	2.049	59	8121	0.321	ppbv	#	71
19) Isopropyl Alcohol	1.890	45	29711	2.624	ppbv	#	4
20) Methylene Chloride	2.068	84	3425	0.429	ppbv	#	83
21) Allyl Chloride	2.046	41	4149	0.295	ppbv	#	93
23) Vinyl Acetate	2.463	43	3294	0.399	ppbv	#	77
25) Ethyl Acetate	2.842	43	4666	0.093	ppbv	#	74
26) Hexane	2.832	57	1906	0.094	ppbv	#	1
27) Carbon Disulfide	2.156	76	707	0.032	ppbv	#	1
30) Cyclohexane	3.865	84	15002	0.912	ppbv		98
34) 2-Butanone	2.567	43	9322	0.358	ppbv		96
35) Carbon Tetrachloride	3.774	117	1526	0.051	ppbv	#	53
36) Benzene	3.664	78	3324	0.094	ppbv	#	92
39) 1,2-Dichloropropane	3.968	63	95240	7.191	ppbv	#	24
40) 1,4-Dioxane	4.629	88	255	0.035	ppbv	#	1
53) Toluene	6.949	91	10506	0.246	ppbv	#	32
58) Ethyl Benzene	9.542	91	1751	0.032	ppbv		96

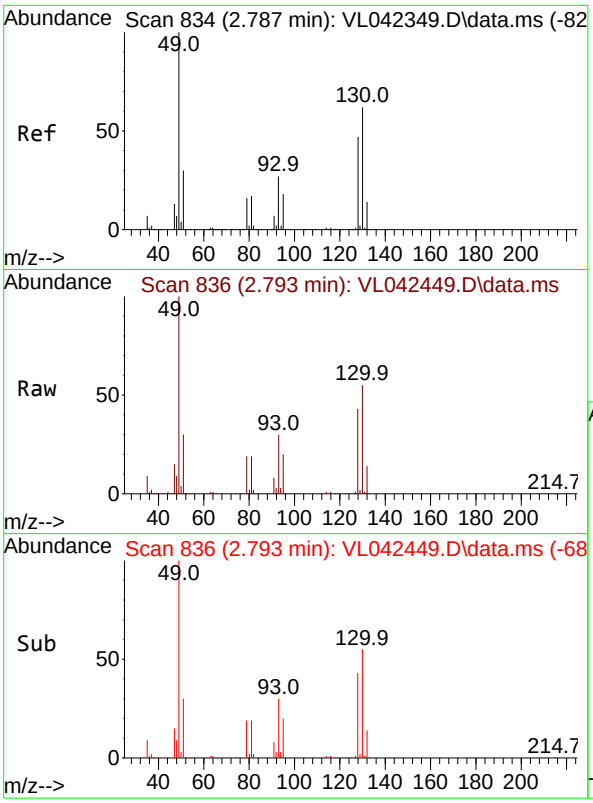
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042449.D
Acq On : 29 Apr 2025 16:32
Operator : SY/MD
Sample : Q1880-11
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Quant Time: Apr 30 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



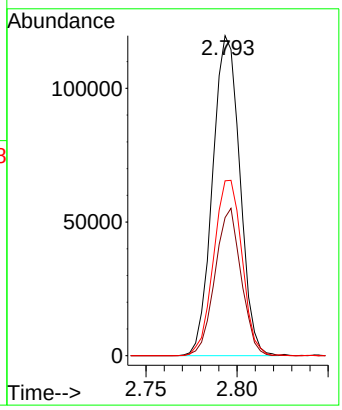


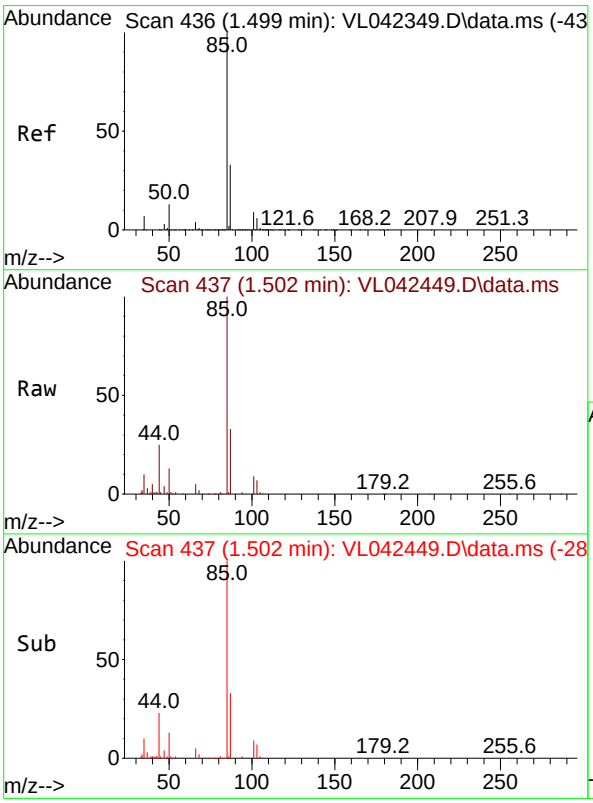
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 49 Resp: 124520

Ion	Ratio	Lower	Upper
49	100		
128	44.2	22.8	68.4
130	57.1	29.3	88.0

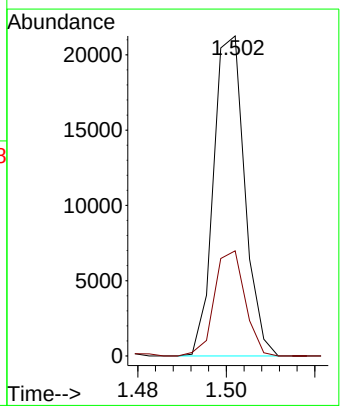


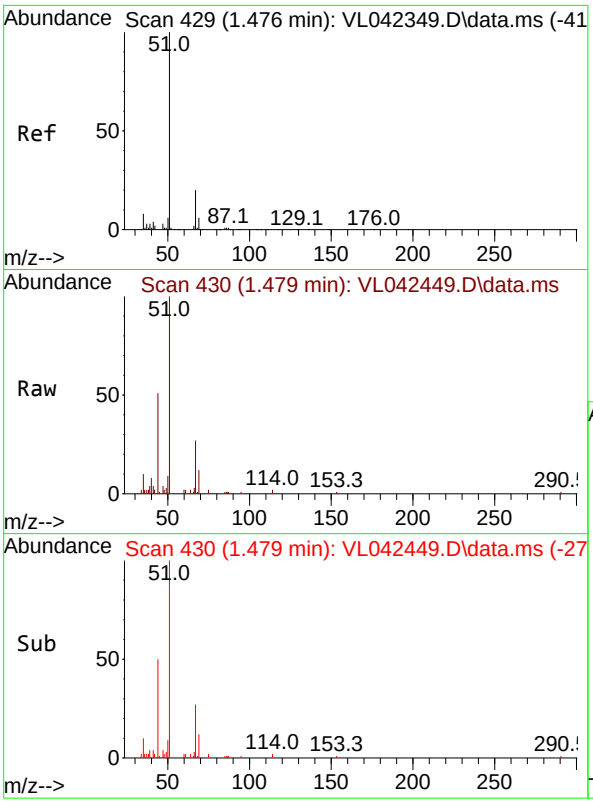


#2
Dichlorodifluoromethane
Concen: 0.472 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 85 Resp: 10375

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	39.8



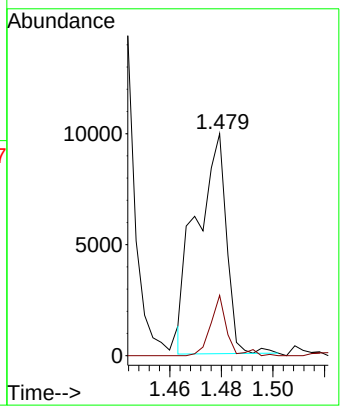


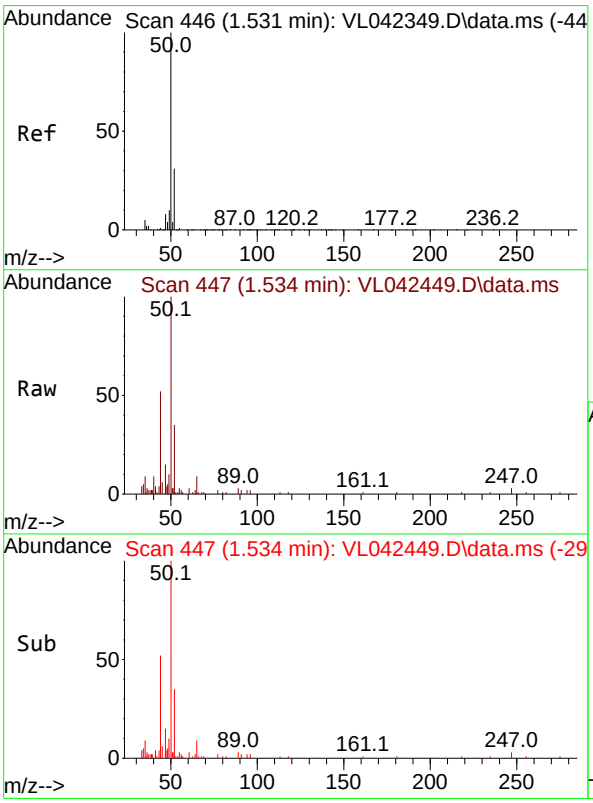
#3
Chlorodifluoromethane
Concen: 0.382 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 51 Resp: 8011

Ion	Ratio	Lower	Upper
51	100		
67	15.0	16.2	24.4#

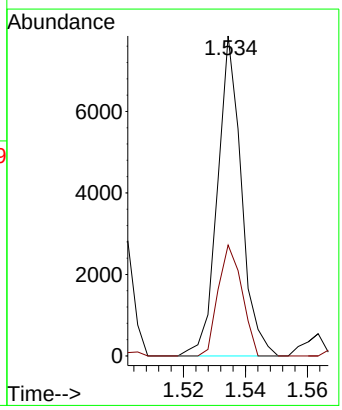


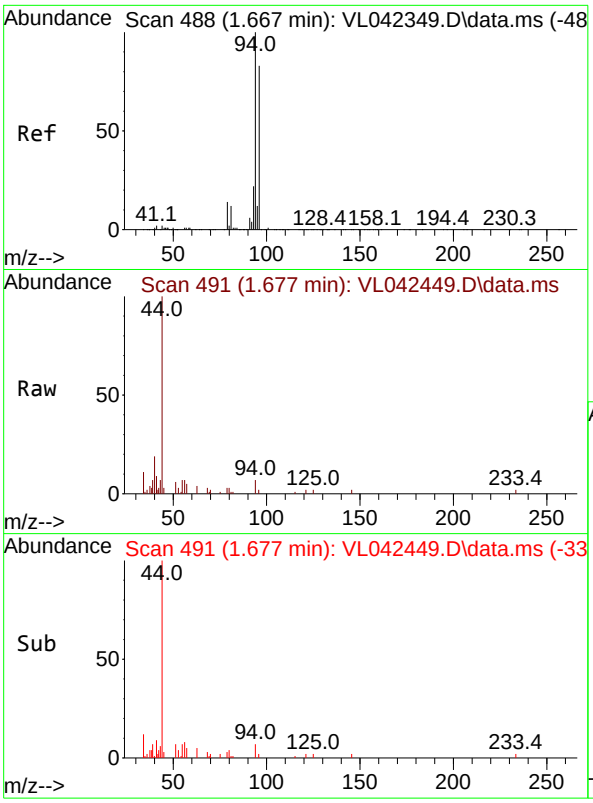


#4
Chloromethane
Concen: 0.484 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 50 Resp: 4212

Ion	Ratio	Lower	Upper
50	100		
52	34.6	24.7	37.1



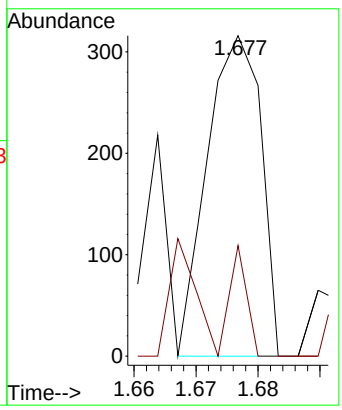


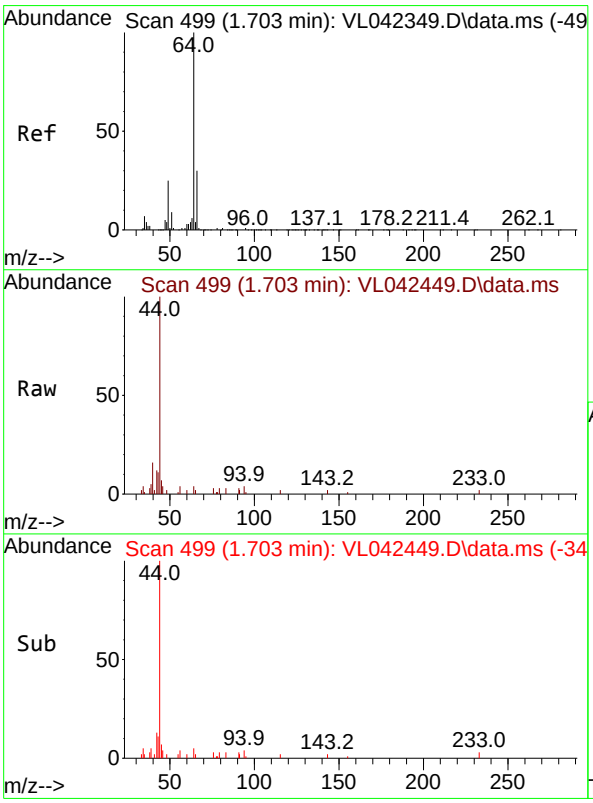
#6
Bromomethane
Concen: 0.047 ppbv
RT: 1.677 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 94 Resp: 191

Ion	Ratio	Lower	Upper
94	100		
96	34.5	66.2	99.2#

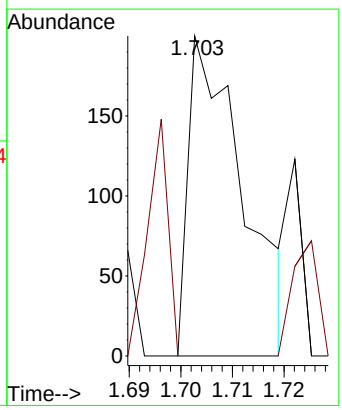


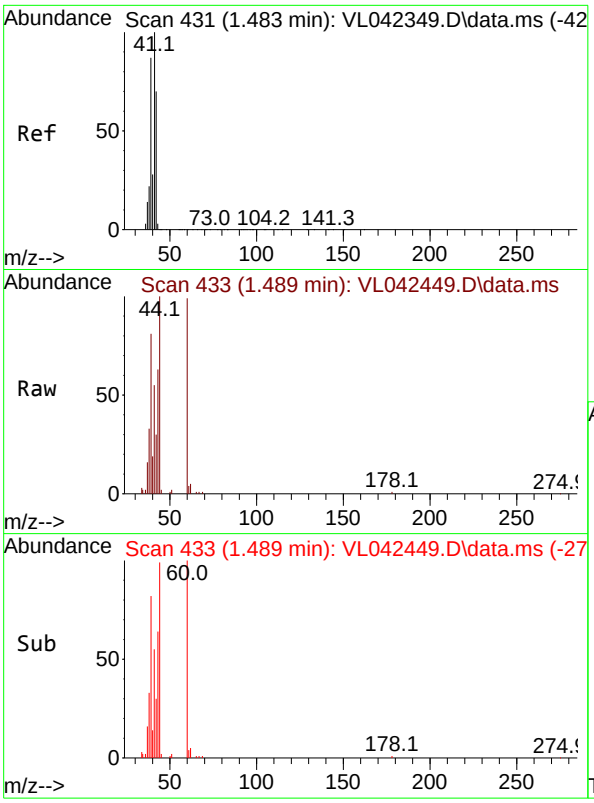


#7
Chloroethane
Concen: 0.043 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 64 Resp: 146

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.6	37.0#



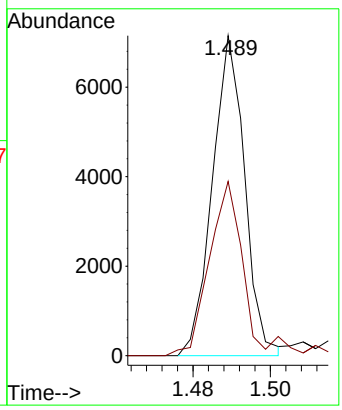


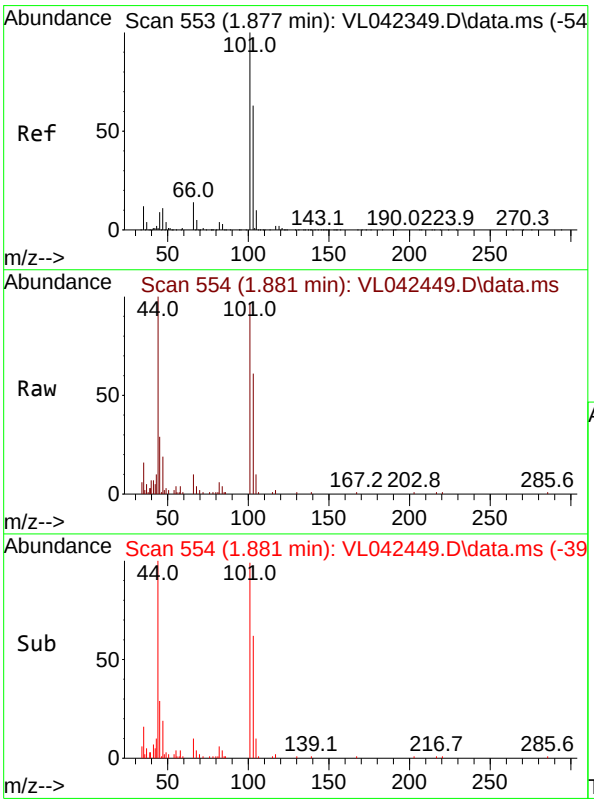
#9
Propene
Concen: 0.434 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 41 Resp: 4143

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#

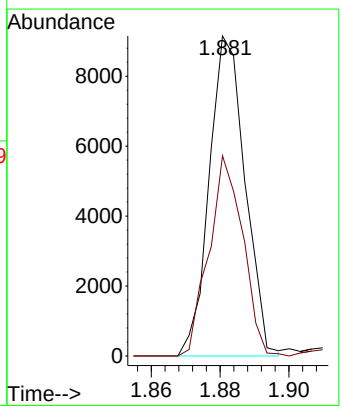


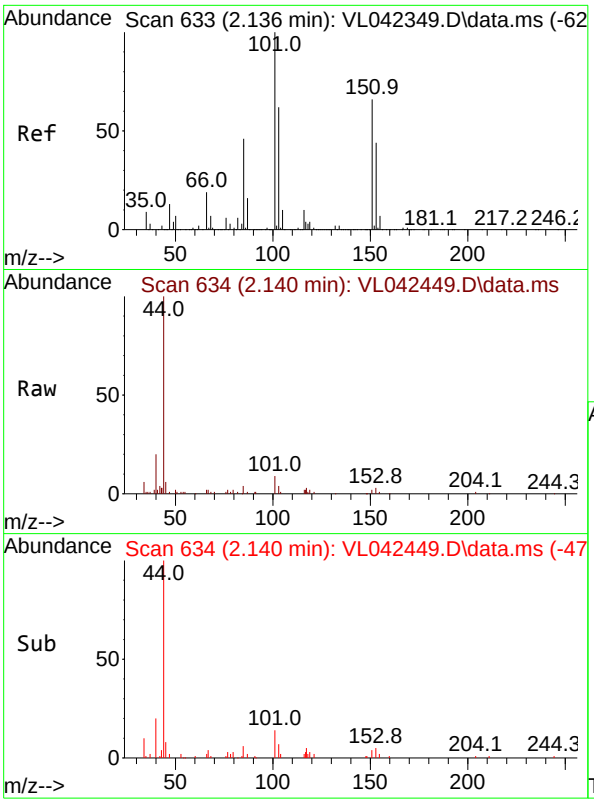


#11
Trichlorofluoromethane
Concen: 0.317 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:101 Resp: 6624

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.1	75.1



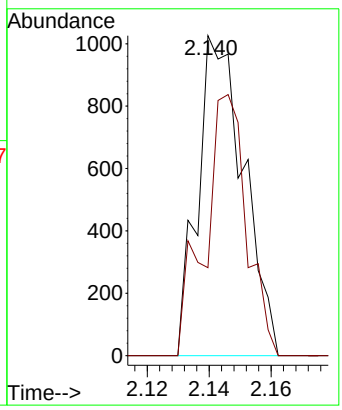


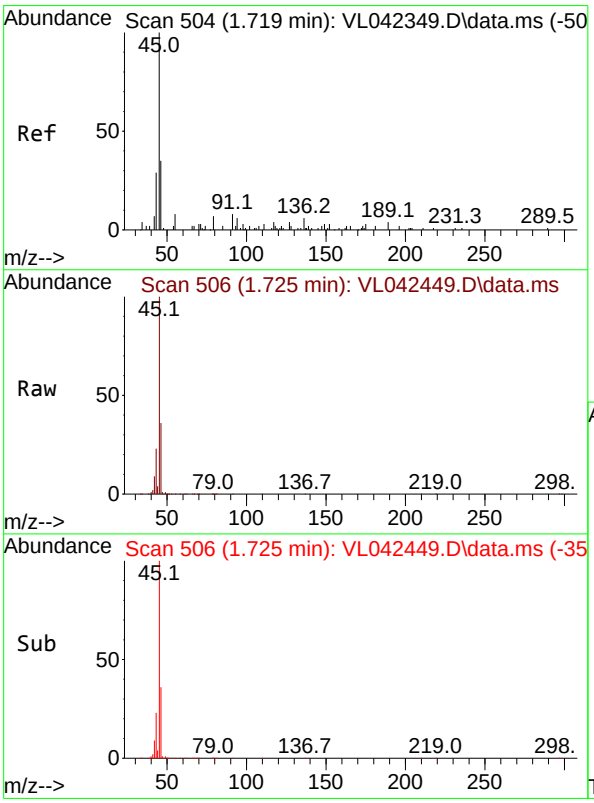
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.062 ppbv
RT: 2.140 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion:101 Resp: 1053

Ion	Ratio	Lower	Upper
101	100		
151	74.0	57.0	85.6

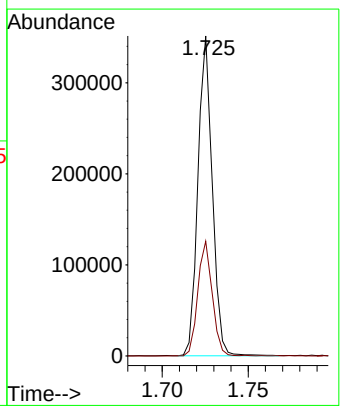


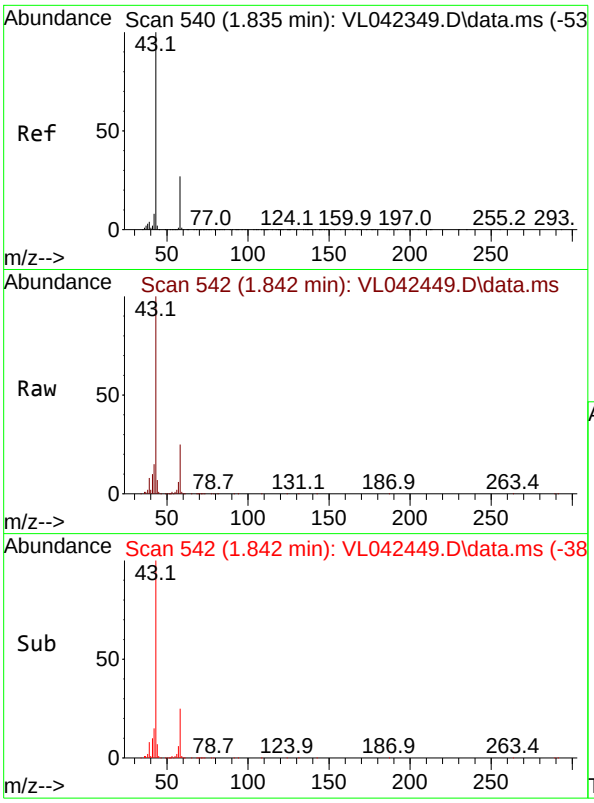


#13
Ethanol
Concen: 134.382 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 45 Resp: 203780

Ion	Ratio	Lower	Upper
45	100		
46	36.3	21.9	87.7



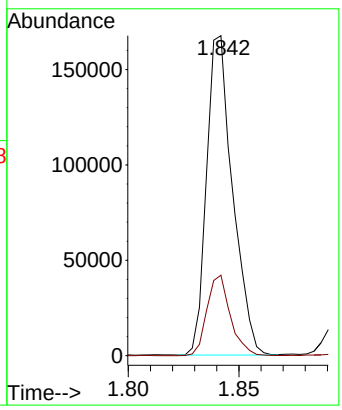


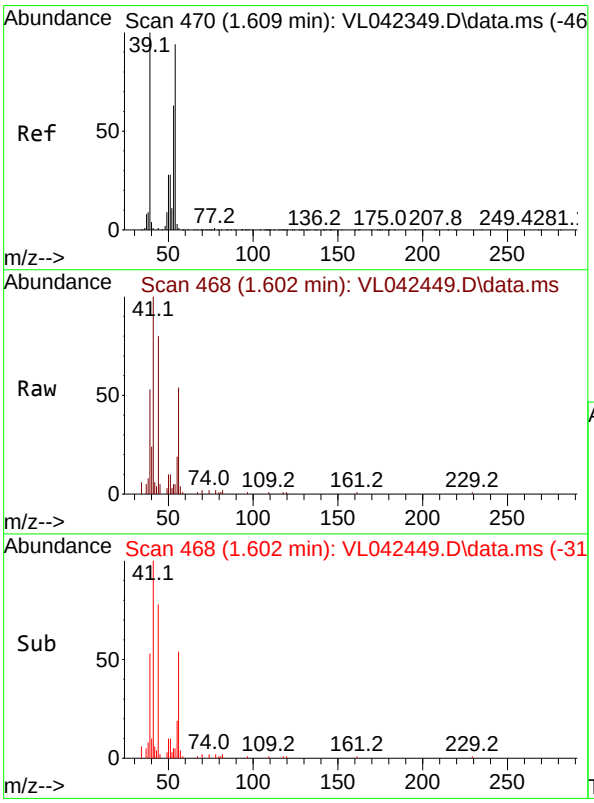
#15
Acetone
Concen: 6.737 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 43 Resp: 137336

Ion	Ratio	Lower	Upper
43	100		
58	22.6	22.4	33.6

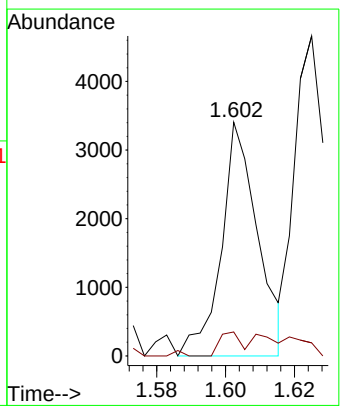


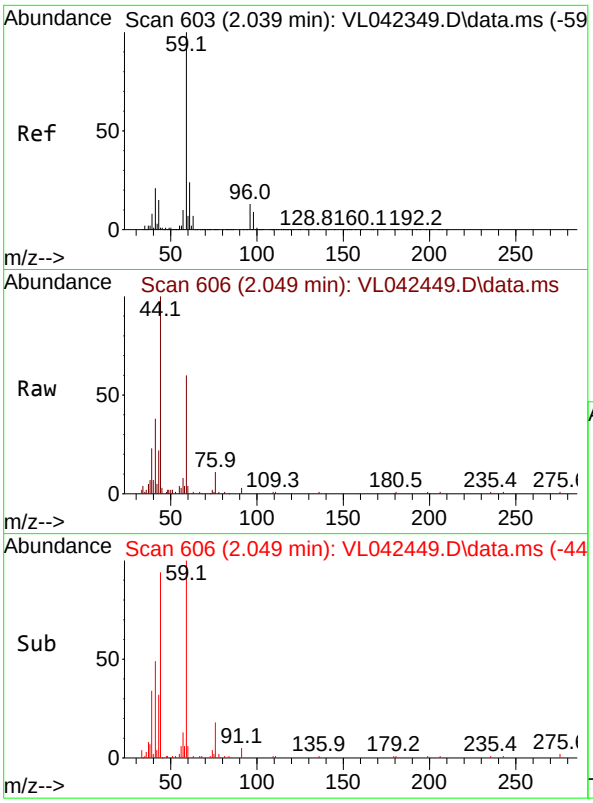


#16
1,3-Butadiene
Concen: 0.257 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 39 Resp: 2502

Ion	Ratio	Lower	Upper
39	100		
54	21.7	64.9	97.3#



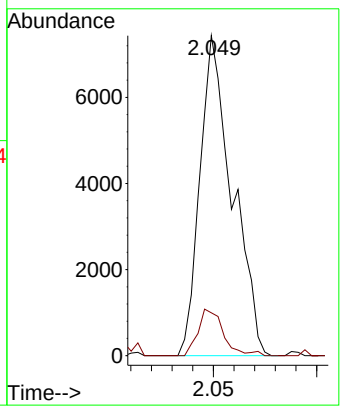


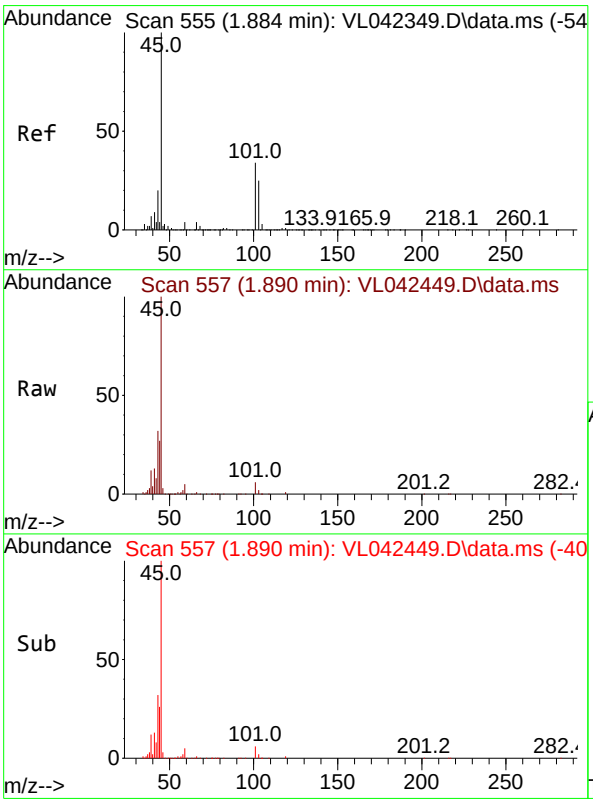
#17
tert-Butyl alcohol
Concen: 0.321 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 59 Resp: 8121

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

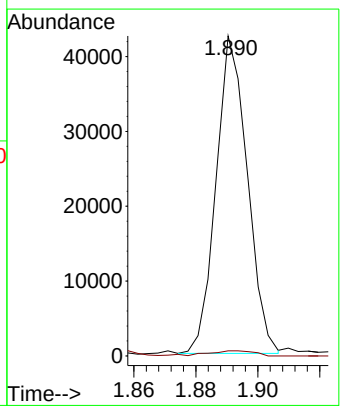


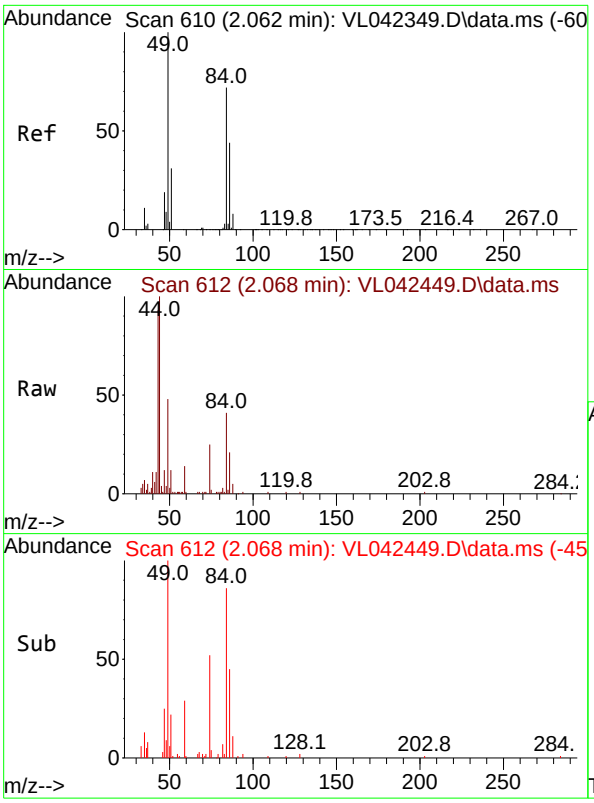


#19
Isopropyl Alcohol
Concen: 2.624 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 45 Resp: 29711

Ion	Ratio	Lower	Upper
45	100		
58	104.8	34.5	51.7#



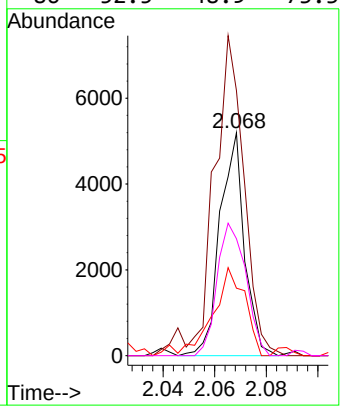


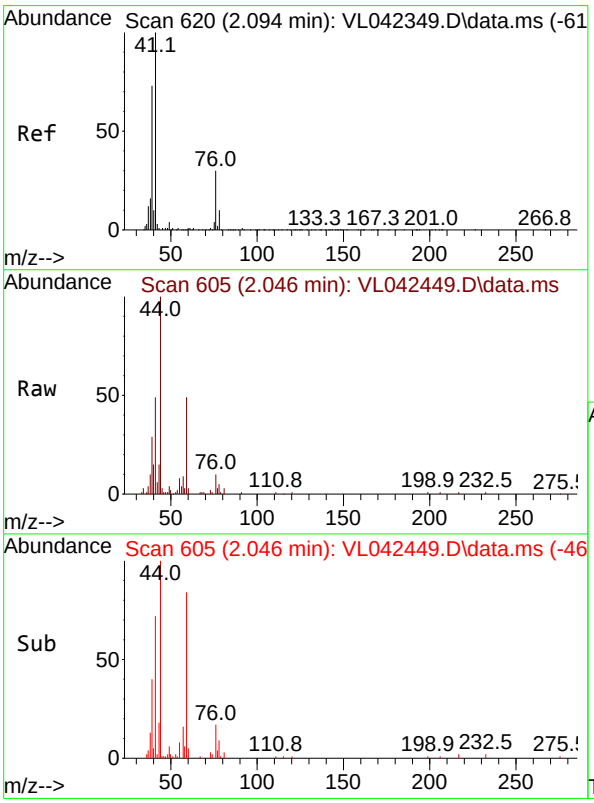
#20
Methylene Chloride
Concen: 0.429 ppbv
RT: 2.068 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 84 Resp: 3425

Ion	Ratio	Lower	Upper
84	100		
49	117.1	111.6	167.4
51	29.2	35.1	52.7#
86	52.5	48.9	73.3

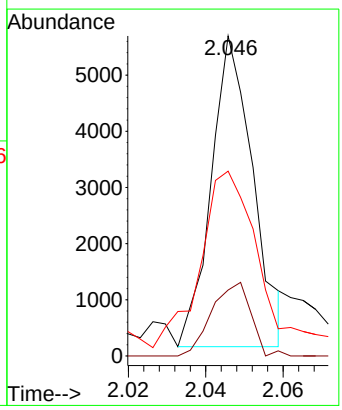


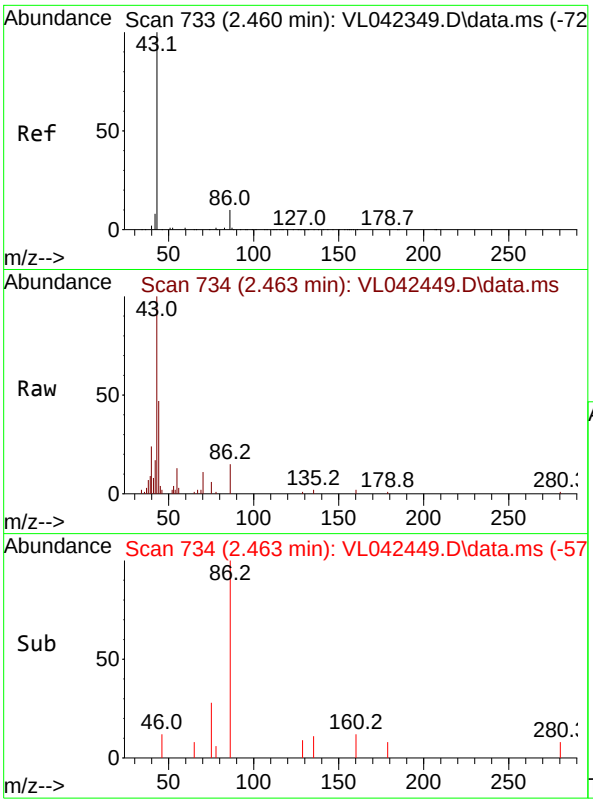


#21
Allyl Chloride
Concen: 0.295 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.049 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 41 Resp: 4149

Ion	Ratio	Lower	Upper
41	100		
76	22.2	24.8	37.2#
39	78.5	60.6	90.8



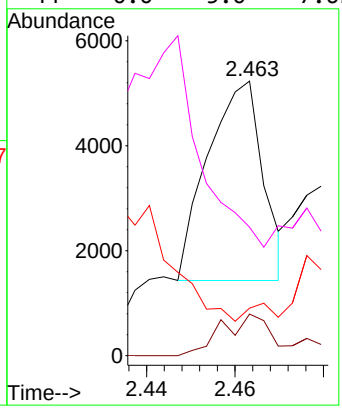


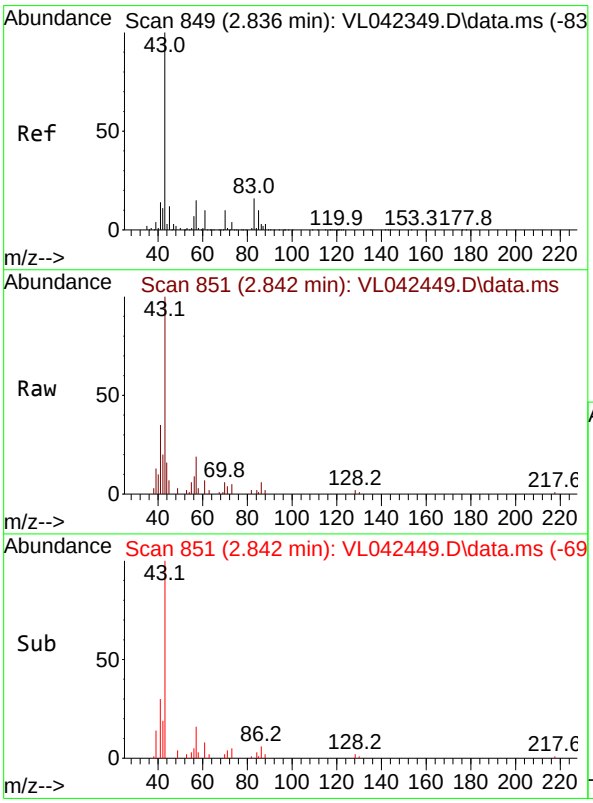
#23
Vinyl Acetate
Concen: 0.399 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 43 Resp: 3294

Ion	Ratio	Lower	Upper
43	100		
86	20.9	6.5	9.7#
42	4.5	7.8	11.8#
44	0.0	5.0	7.6#

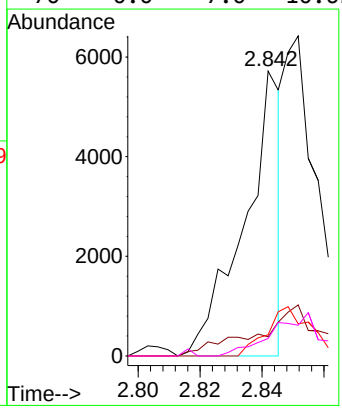


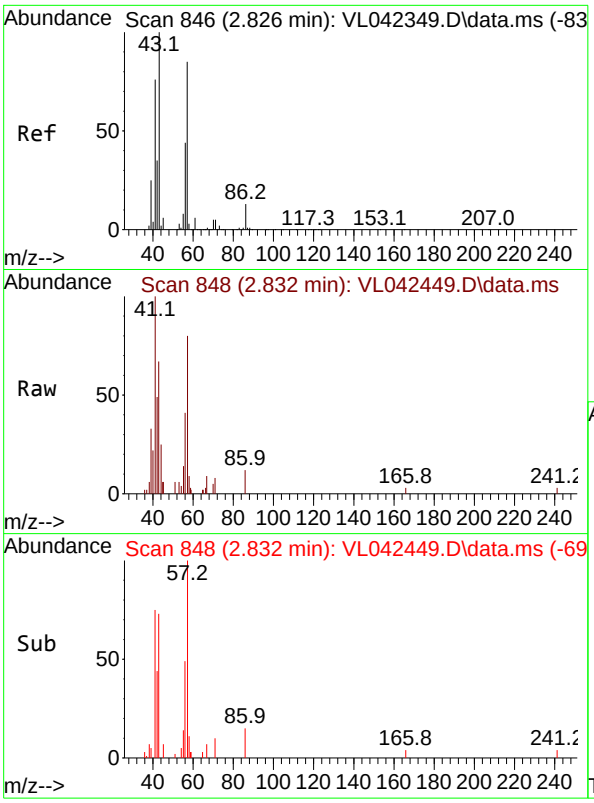


#25
Ethyl Acetate
Concen: 0.093 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 43 Resp: 4666

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.3	10.9#
70	0.0	7.0	10.6#



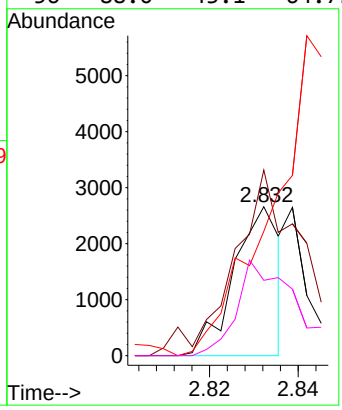


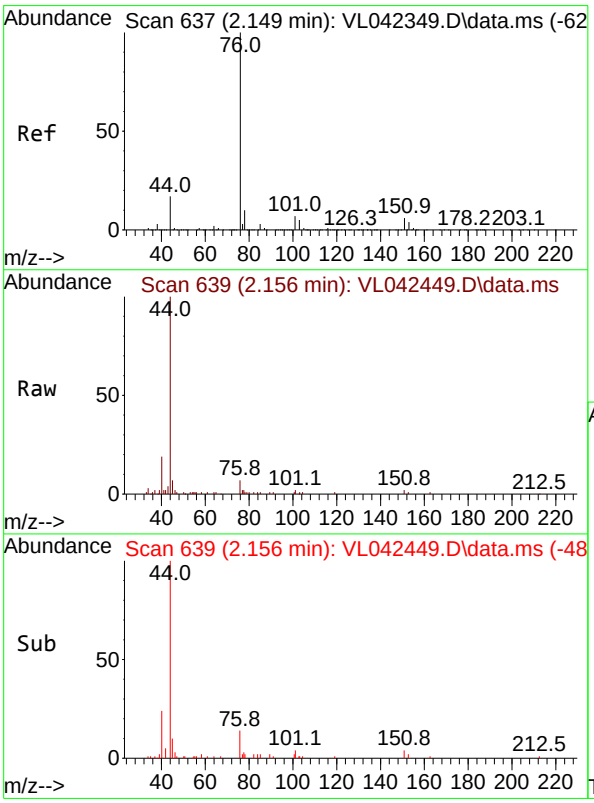
#26
Hexane
Concen: 0.094 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 57 Resp: 1906

Ion	Ratio	Lower	Upper
57	100		
41	182.3	77.9	116.9#
43	0.0	208.4	312.6#
56	88.0	43.1	64.7#

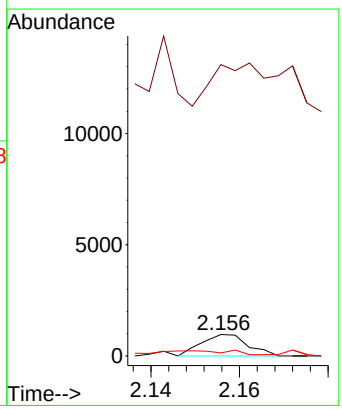


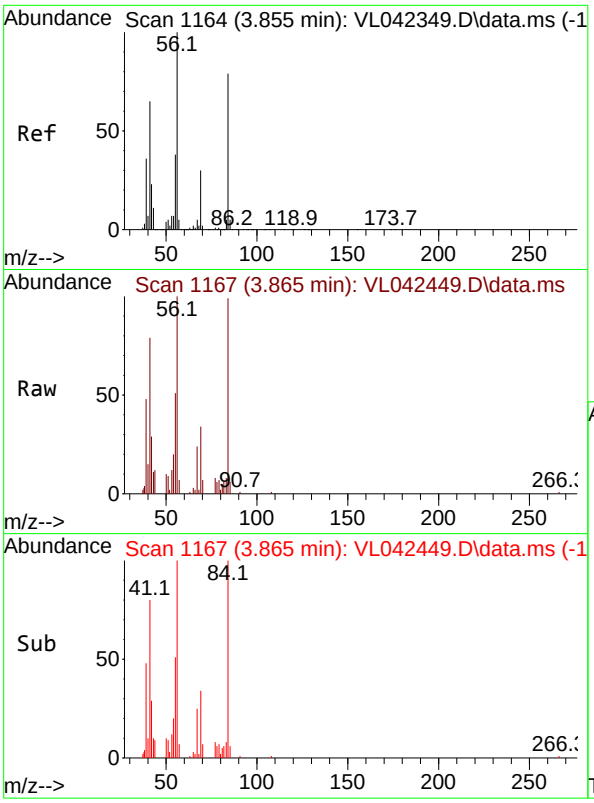


#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 76 Resp: 707

Ion	Ratio	Lower	Upper
76	100		
44	2440.2	15.5	23.3#
78	78.4	9.3	13.9#



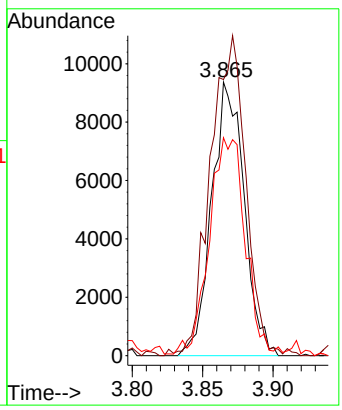


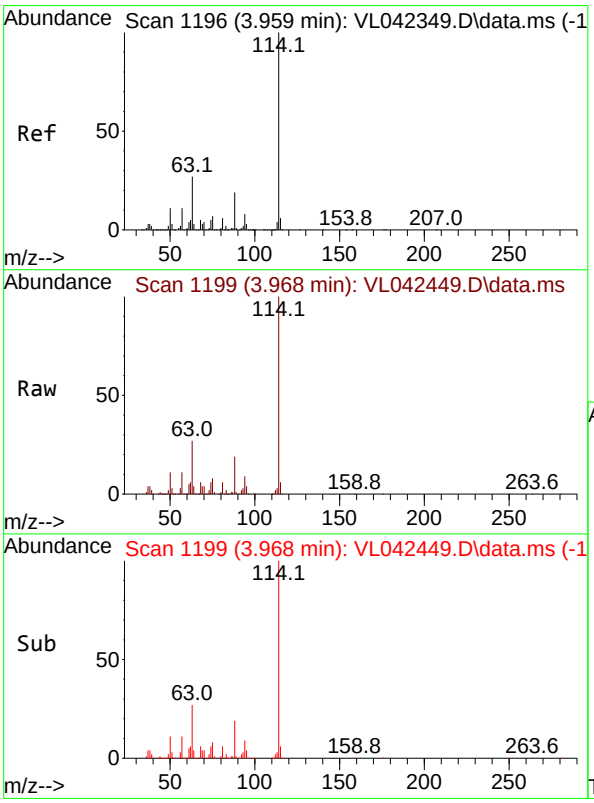
#30
Cyclohexane
Concen: 0.912 ppbv
RT: 3.865 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 84 Resp: 15002

Ion	Ratio	Lower	Upper
84	100		
56	127.8	101.0	151.4
41	86.9	67.4	101.0

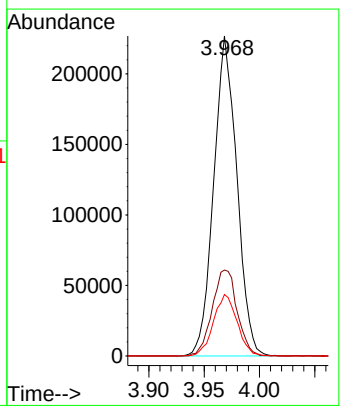


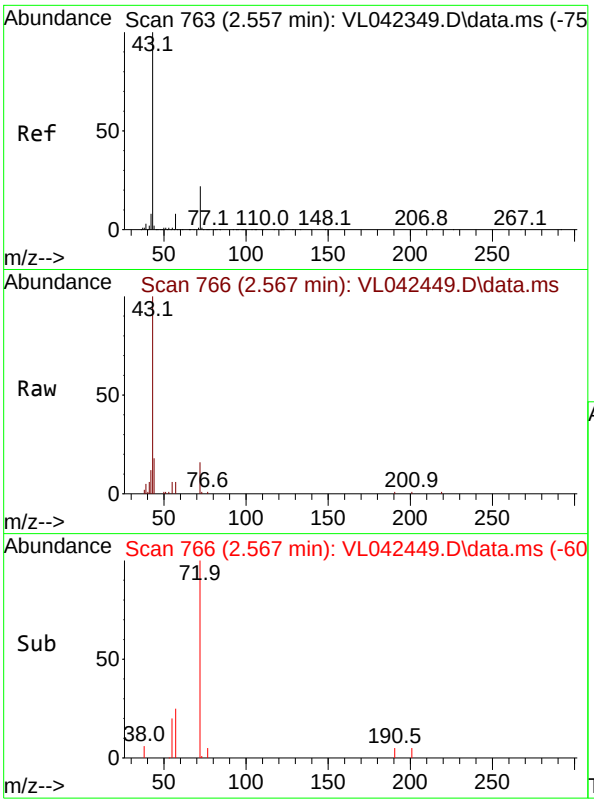


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:114 Resp: 329514

Ion	Ratio	Lower	Upper
114	100		
63	29.0	21.8	32.6
88	19.7	15.5	23.3



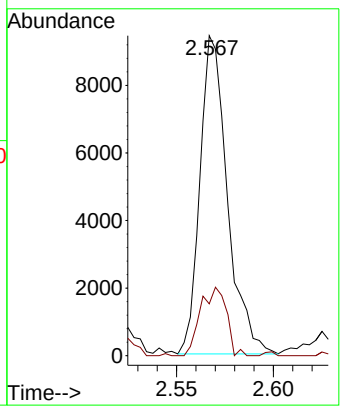


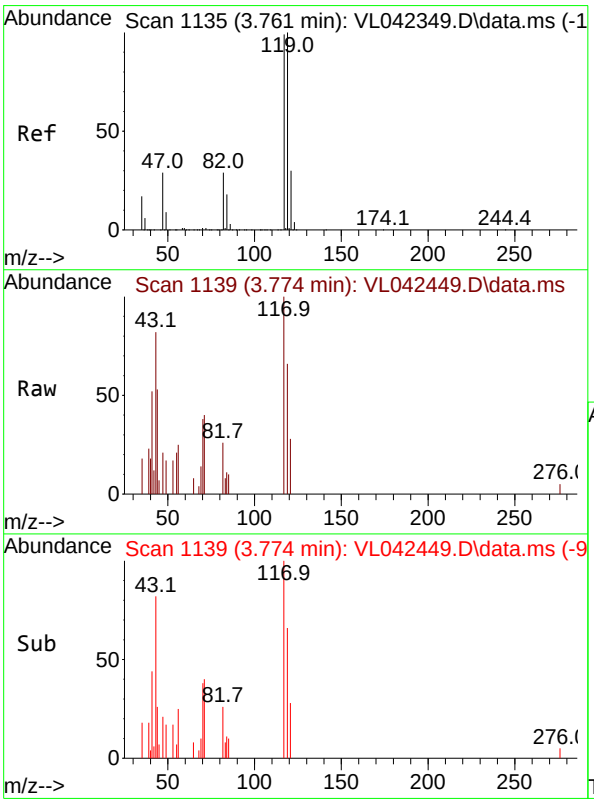
#34
2-Butanone
Concen: 0.358 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 43 Resp: 9322

Ion	Ratio	Lower	Upper
43	100		
72	20.6	18.2	27.2

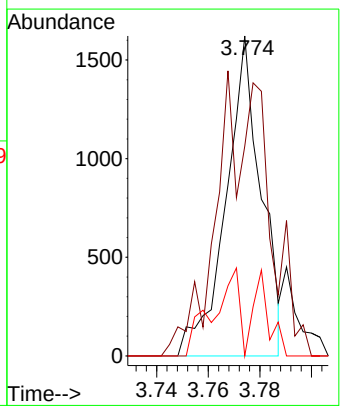


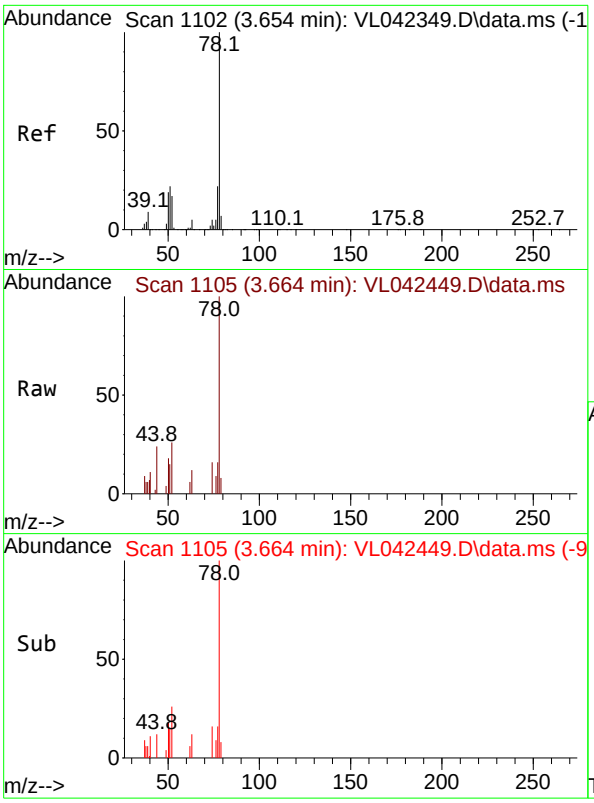


#35
Carbon Tetrachloride
Concen: 0.051 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.013 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion:117 Resp: 1526

Ion	Ratio	Lower	Upper
117	100		
119	56.5	80.5	120.7#
121	0.0	24.2	36.2#



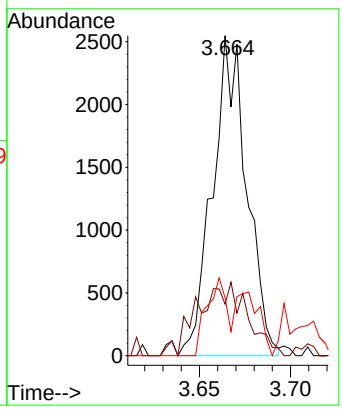


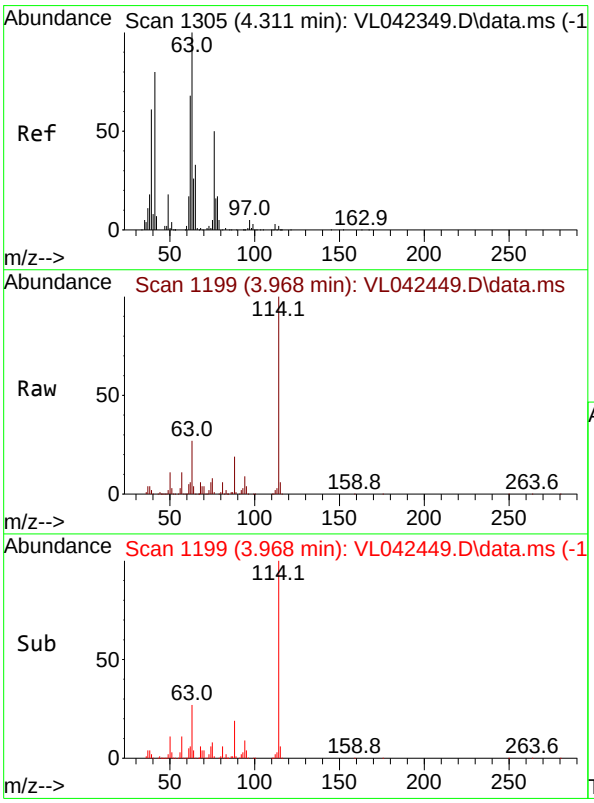
#36
Benzene
Concen: 0.094 ppbv
RT: 3.664 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 78 Resp: 3324

Ion	Ratio	Lower	Upper
78	100		
77	16.1	17.4	26.0#
50	18.1	15.5	23.3

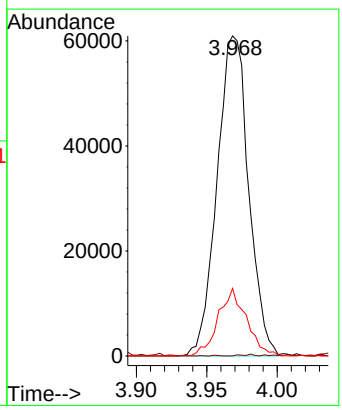


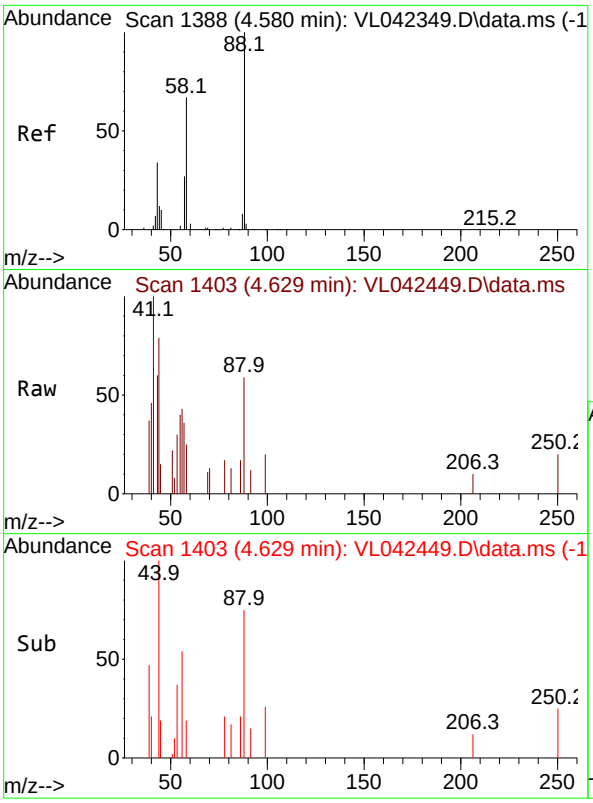


#39
1,2-Dichloropropane
Concen: 7.191 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.343 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 63 Resp: 95240

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	21.1	54.3	81.5#



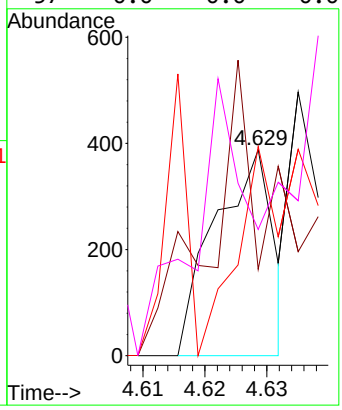


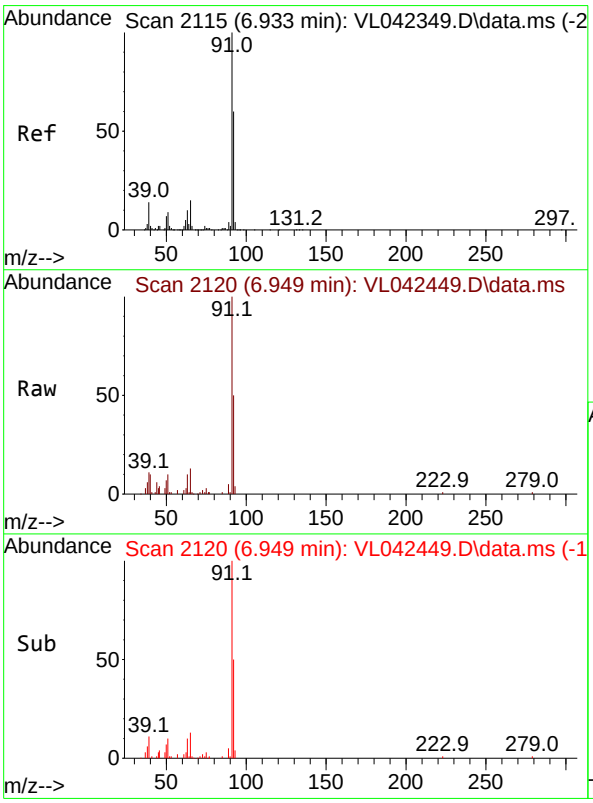
#40
1,4-Dioxane
Concen: 0.035 ppbv
RT: 4.629 min Scan# 14
Delta R.T. 0.049 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 88 Resp: 255

Ion	Ratio	Lower	Upper
88	100		
58	245.9	61.4	92.0#
43	169.4	23.2	34.8#
57	0.0	0.0	0.0

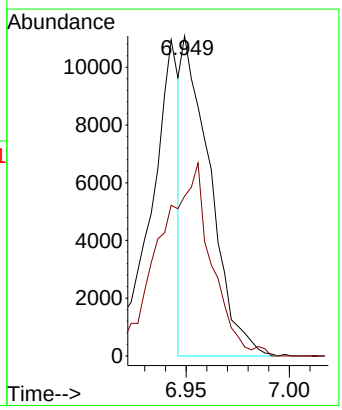


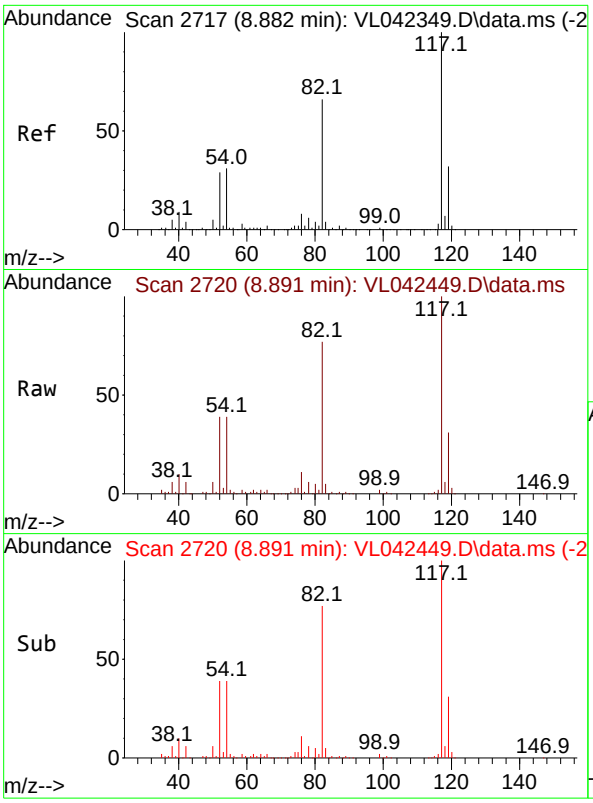


#53
Toluene
Concen: 0.246 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. 0.016 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 91 Resp: 10506

Ion	Ratio	Lower	Upper
91	100		
92	111.8	48.2	72.4#



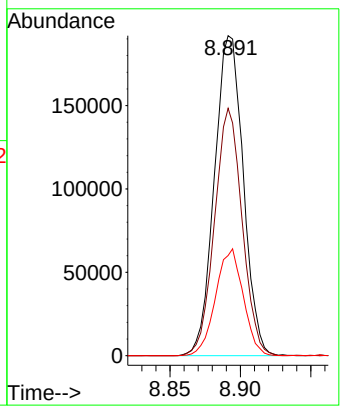


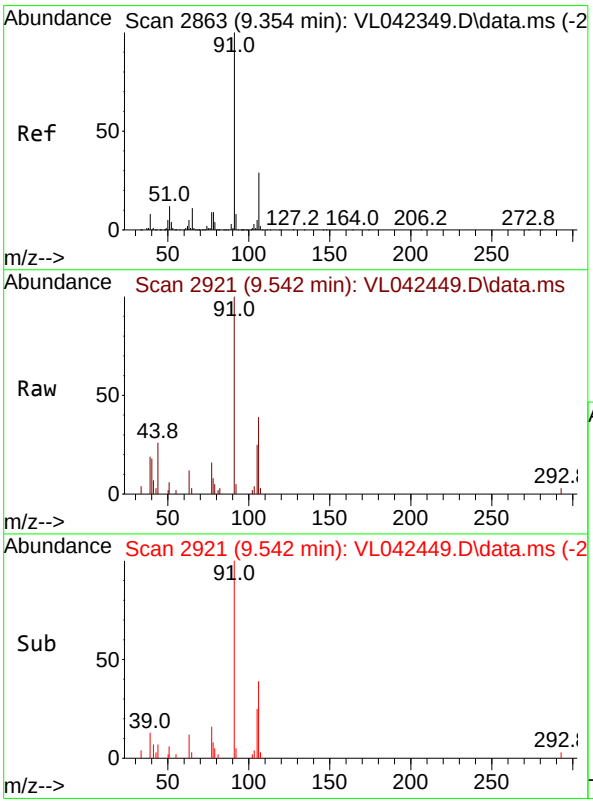
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion:117 Resp: 273576

Ion	Ratio	Lower	Upper
117	100		
82	74.0	57.8	86.6
119	32.0	25.2	37.8

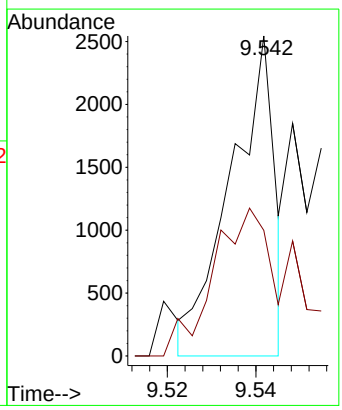


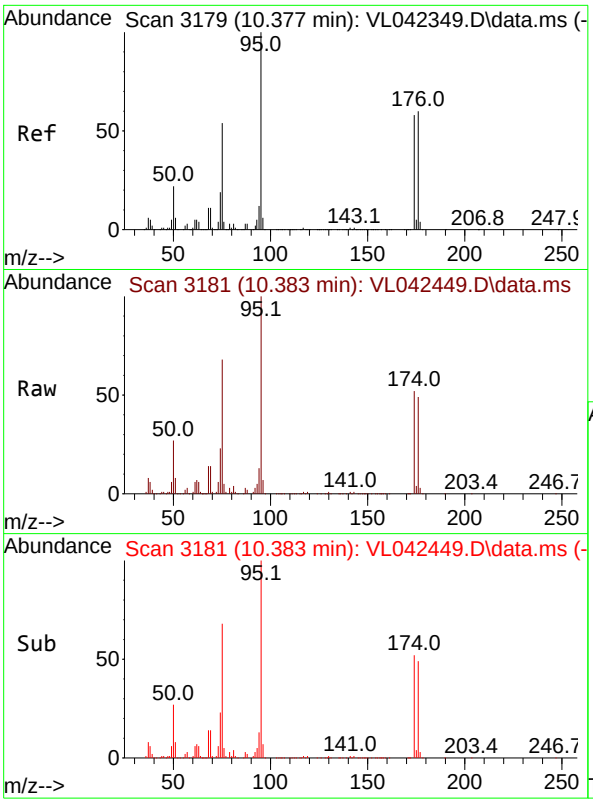


#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.188 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Tgt Ion: 91 Resp: 1751

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.0	34.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.990 ppbv
RT: 10.383 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042449.D
Acq: 29 Apr 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423

Tgt Ion: 95 Resp: 247059

Ion	Ratio	Lower	Upper
95	100		
174	51.4	48.5	72.7
175	3.9	3.7	5.5